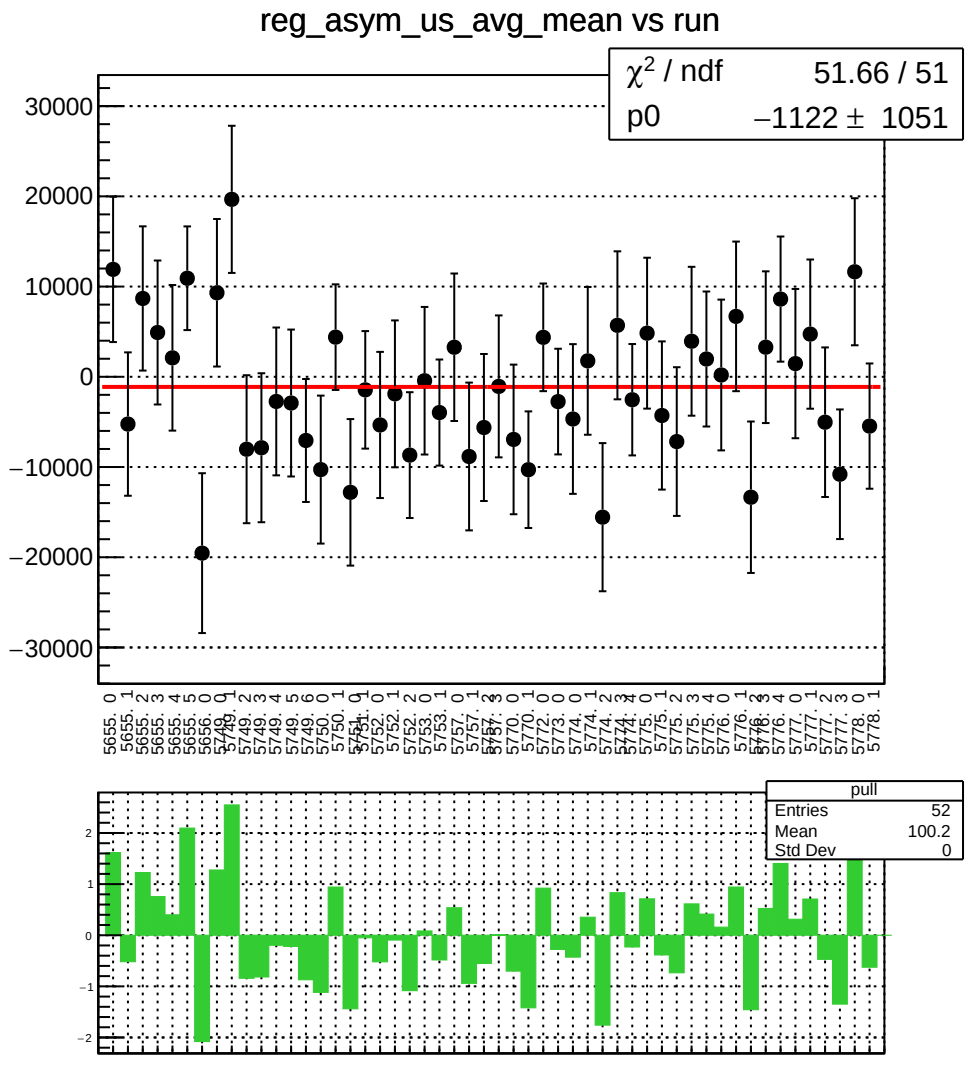
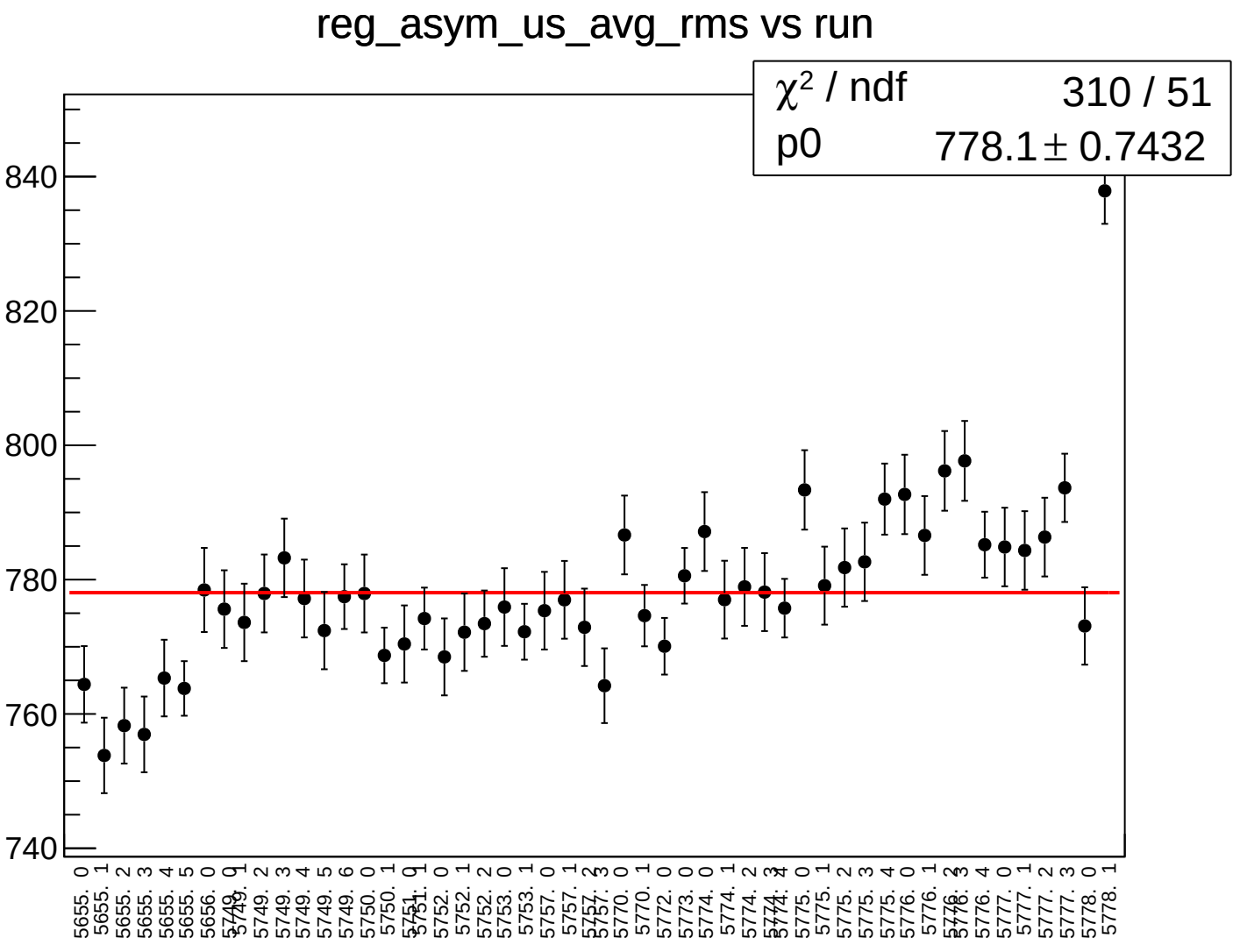
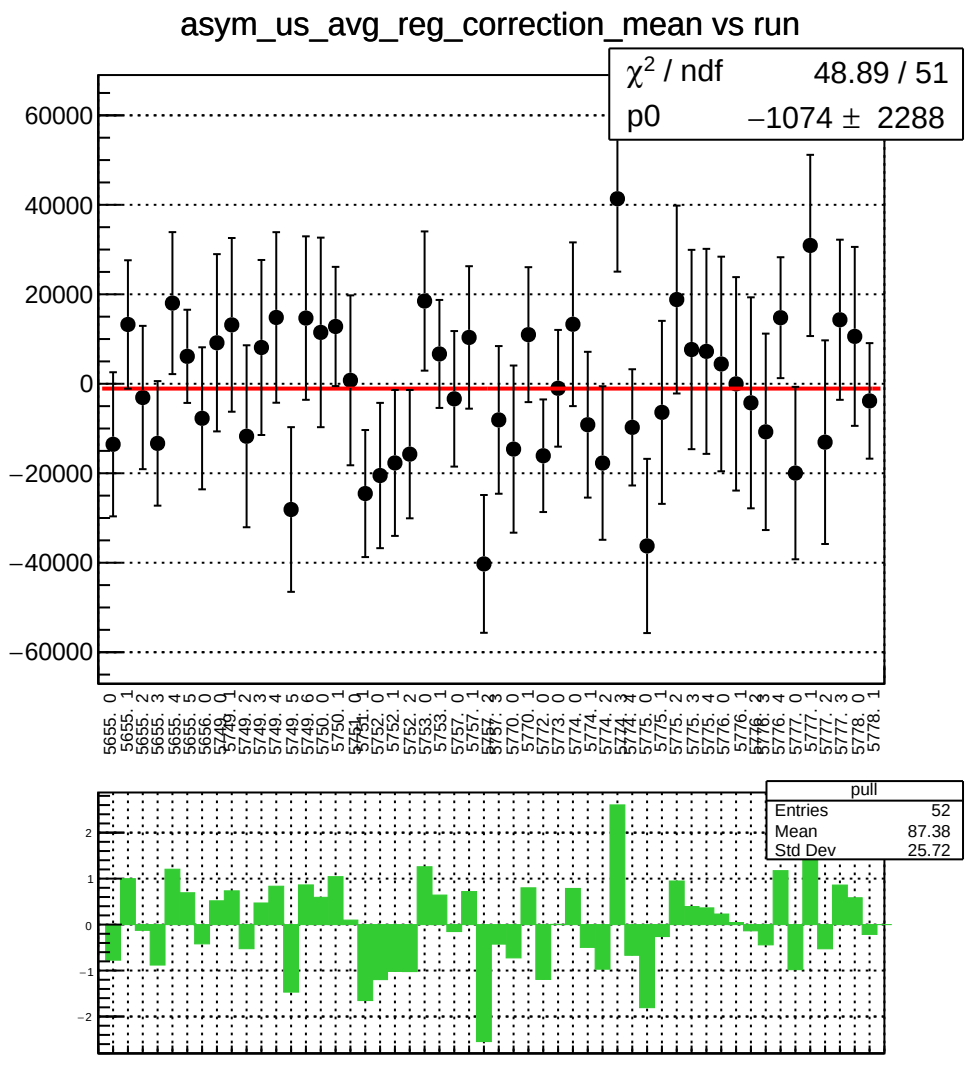
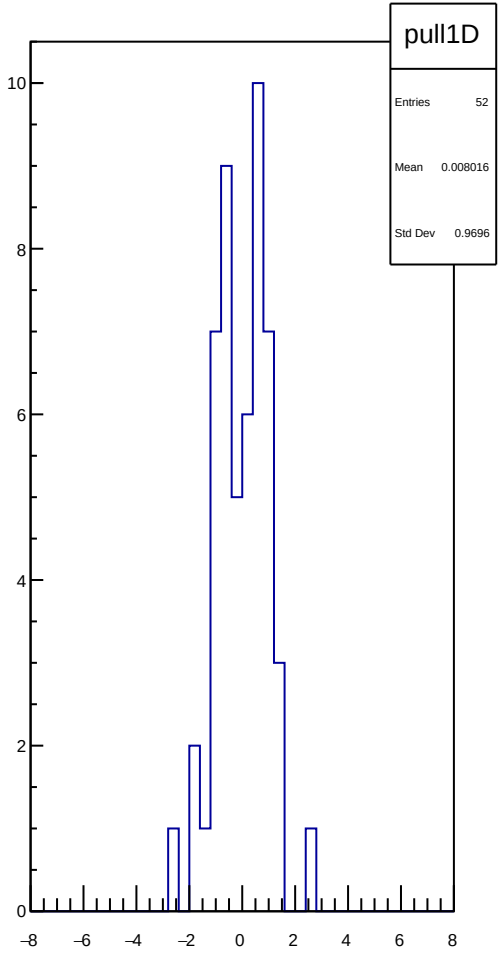
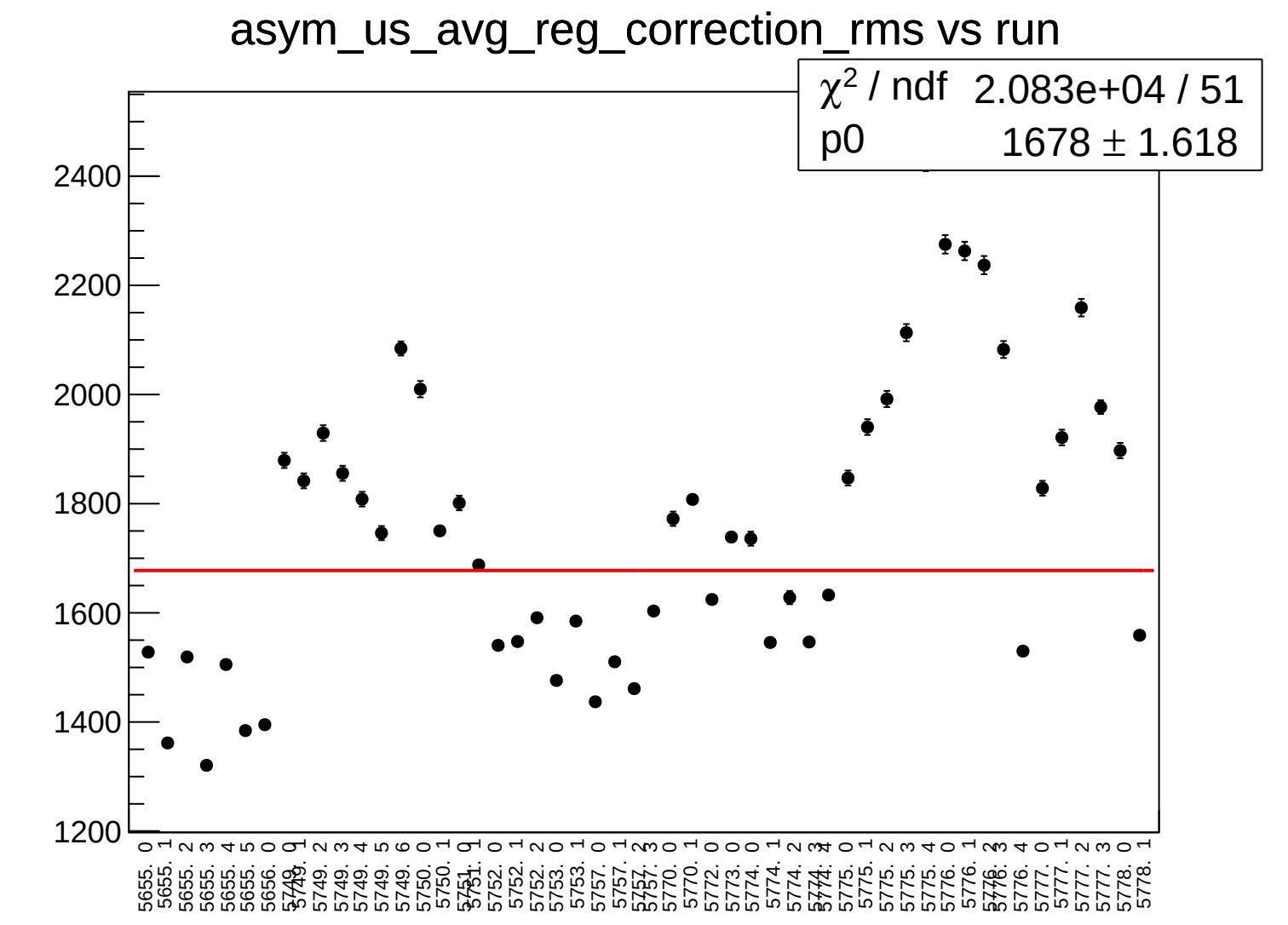

reg_asym_us_avg_mean vs run
χ² / ndf 51.66 / 51
p0 −1122 ± 1051
30000
20000
10000
0
−10000
−20000
−30000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
pull
Entries 52
Mean 100.2
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 52
Mean −0.01365
Std Dev 0.9966
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_us_avg_rms vs run
χ² / ndf 310 / 51
p0 778.1 ± 0.7432
840
820
800
780
760
740
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_avg_reg_correction_mean vs run
χ² / ndf 48.89 / 51
p0 −1074 ± 2288
pull
Entries 52
Mean 87.38
Std Dev 25.72


pull1D
Entries 52
Mean 0.008016
Std Dev 0.9696


asym_us_avg_reg_correction_rms vs run
χ² / ndf 2.083e+04 / 51
p0 1678 ± 1.618
2400
2200
2000
1800
1600
1400
1200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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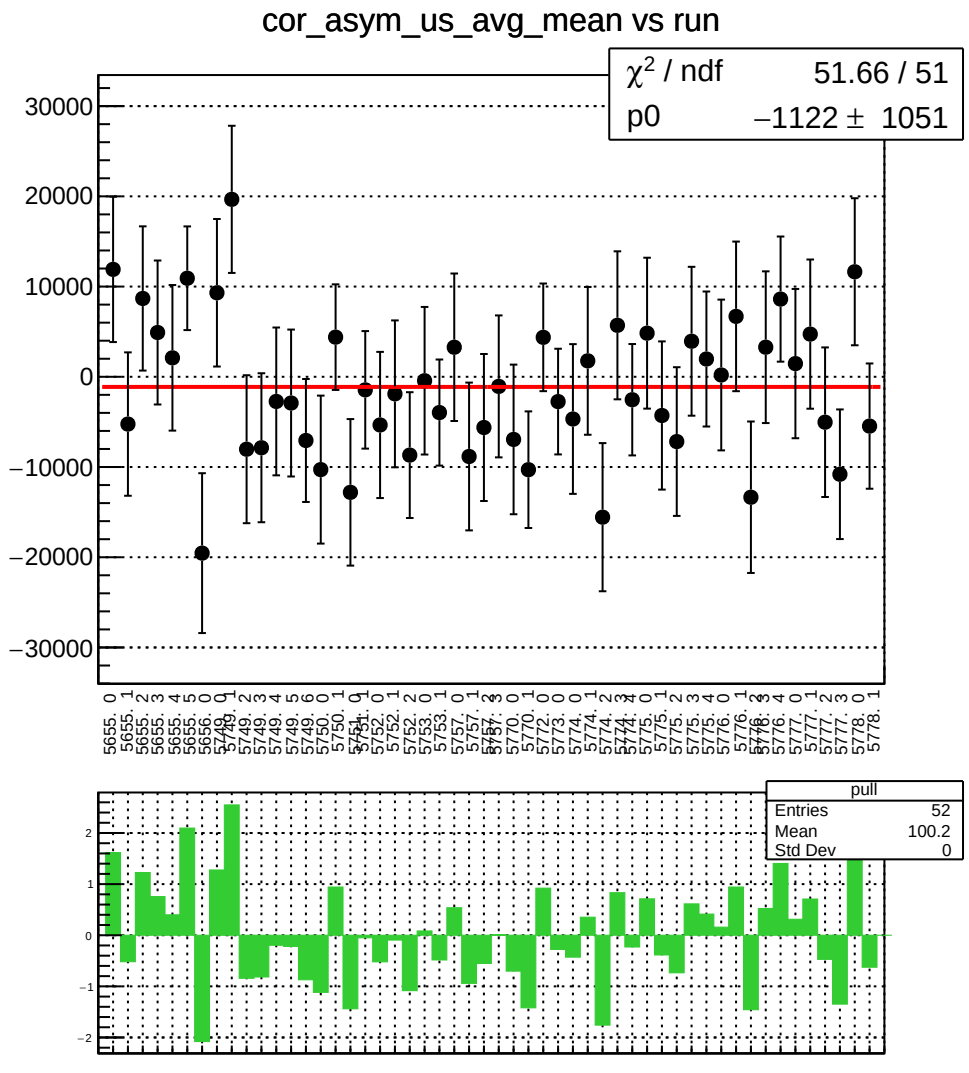
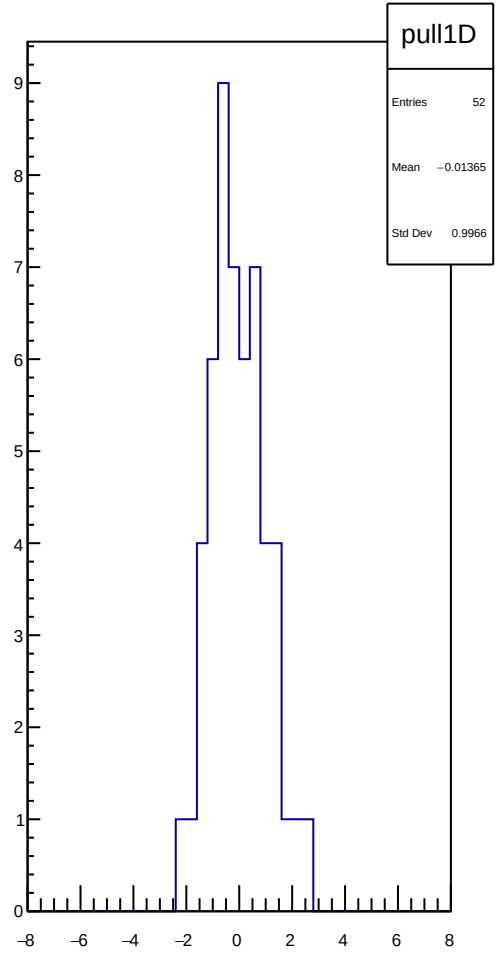
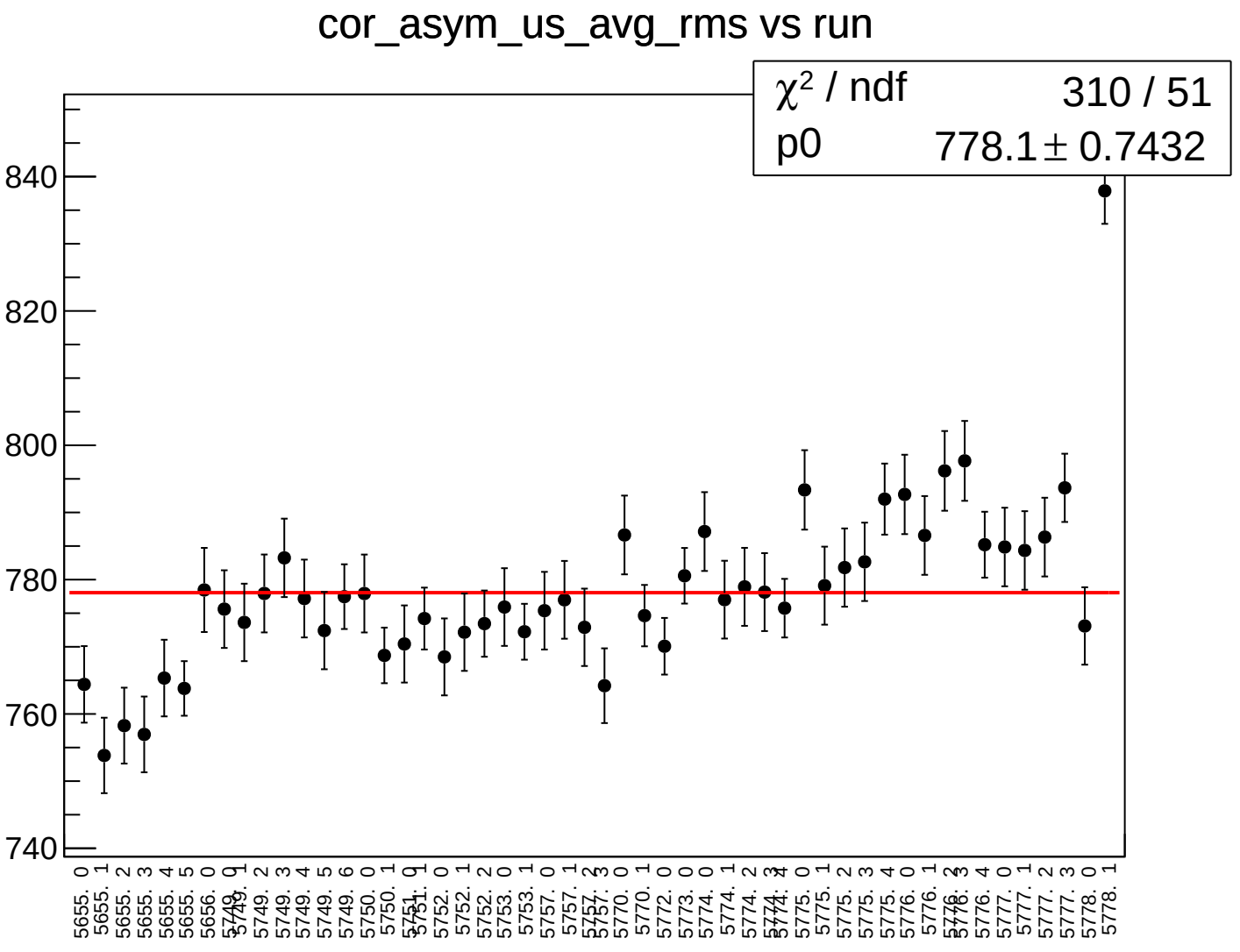
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_us_avg_mean vs run
χ² / ndf 51.66 / 51
p0 −1122 ± 1051
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean 100.2
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.01365
Std Dev 0.9966
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_us_avg_rms vs run
χ² / ndf 310 / 51
p0 778.1 ± 0.7432
840
820
800
780
760
740
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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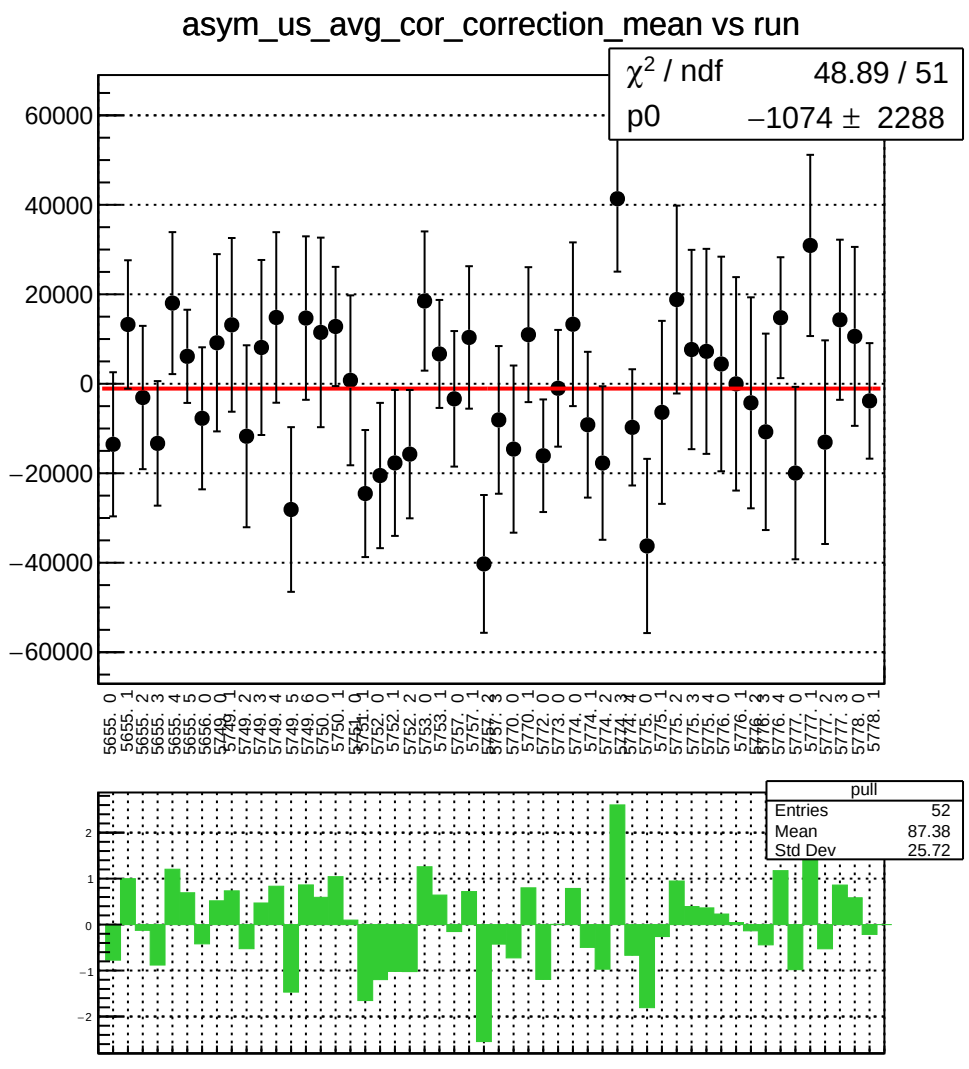
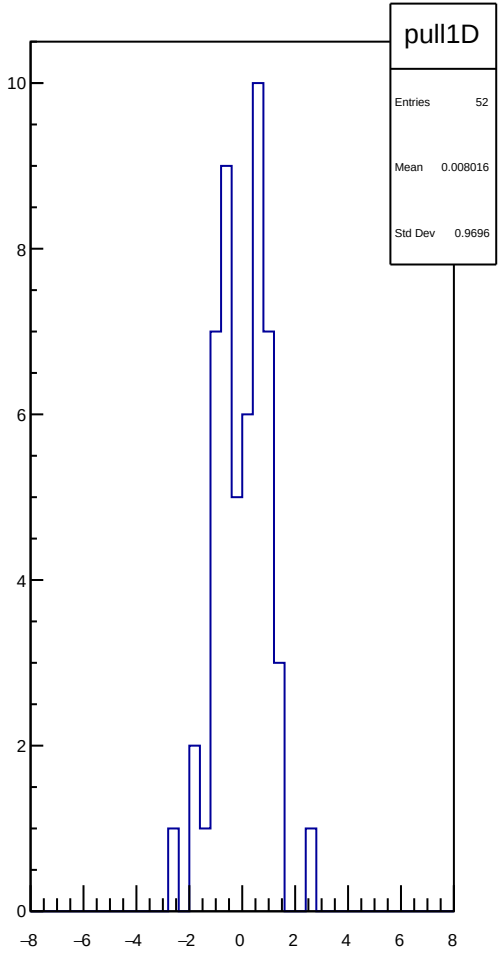
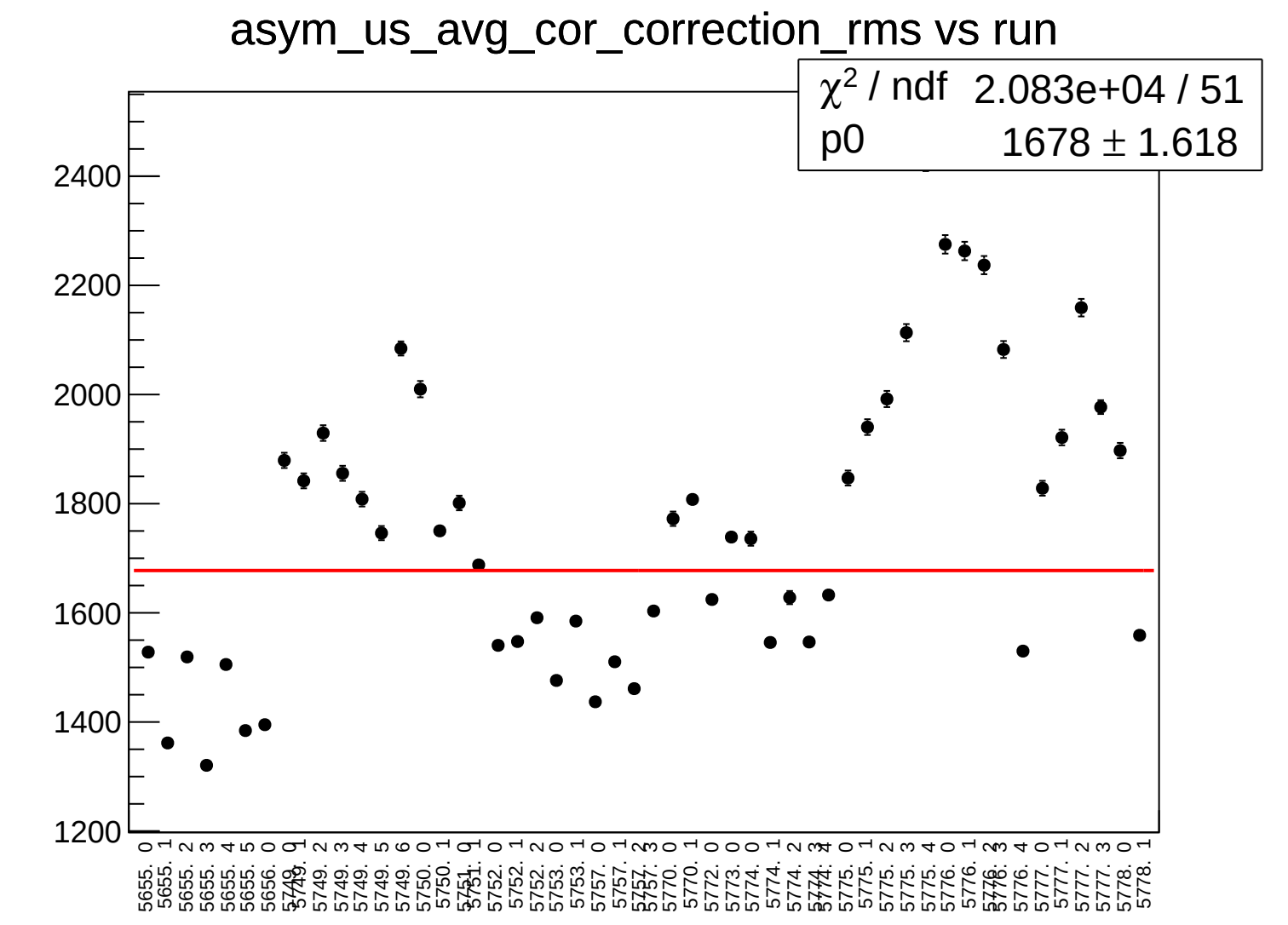
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_avg_cor_correction_mean vs run
χ² / ndf 48.89 / 51
p0 −1074 ± 2288
pull
Entries 52
Mean 87.38
Std Dev 25.72


pull1D
Entries 52
Mean 0.008016
Std Dev 0.9696


asym_us_avg_cor_correction_rms vs run
χ^2 / ndf 2.083e+04 / 51
p0 1678 ± 1.618
2400
2200
2000
1800
1600
1400
1200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 2
5776. 3
5776. 4
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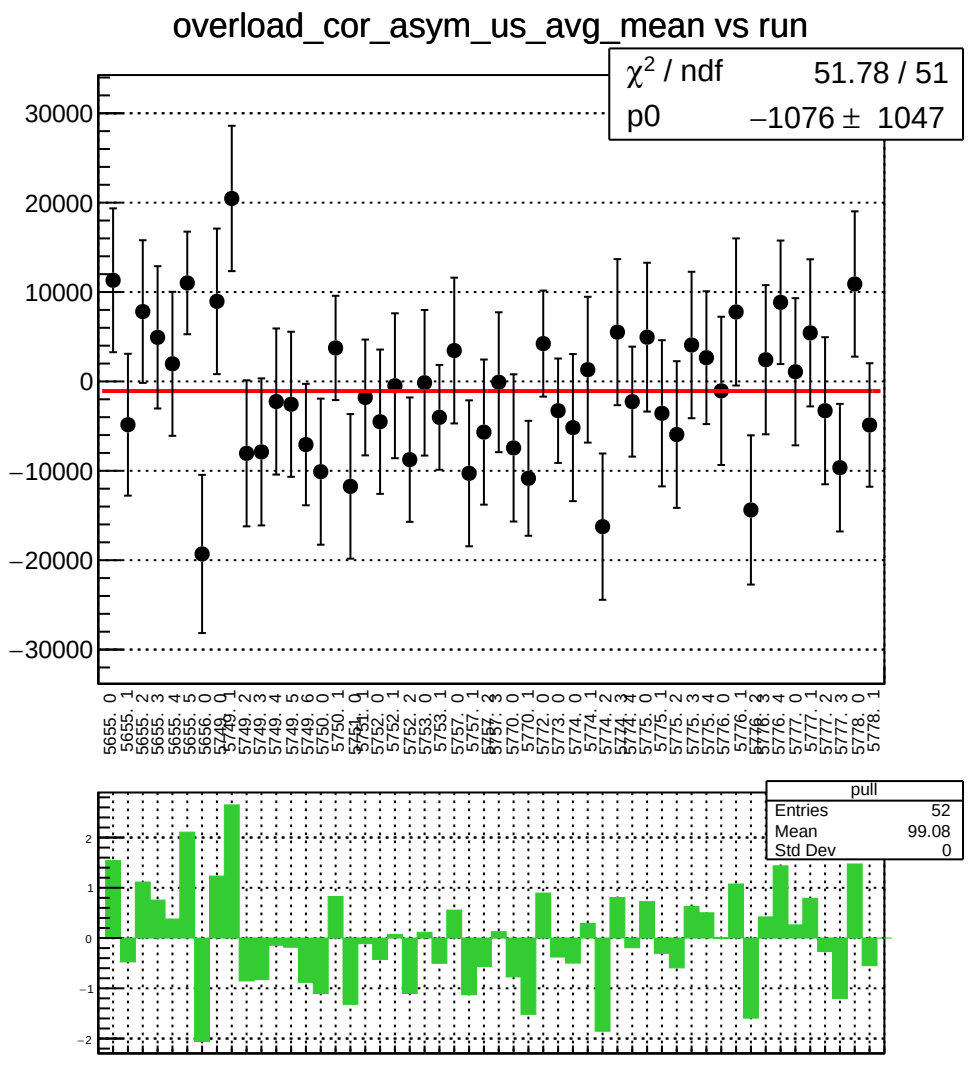
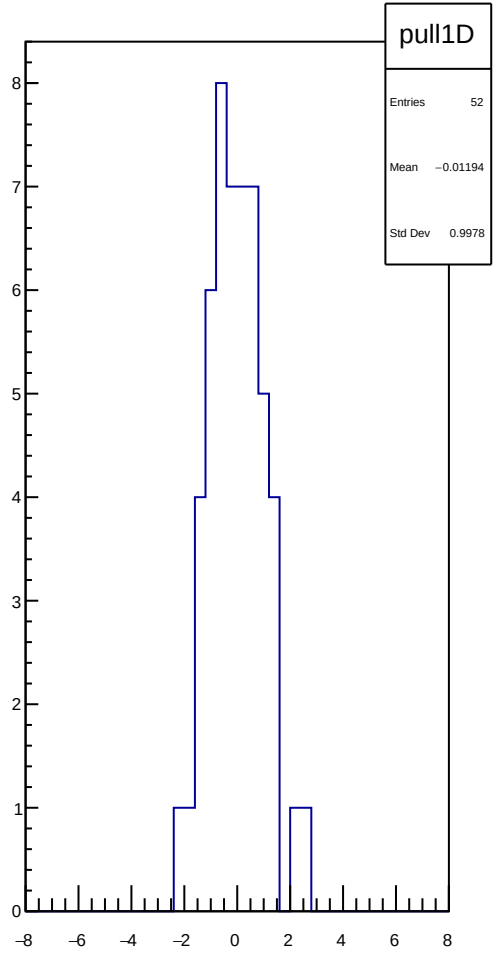
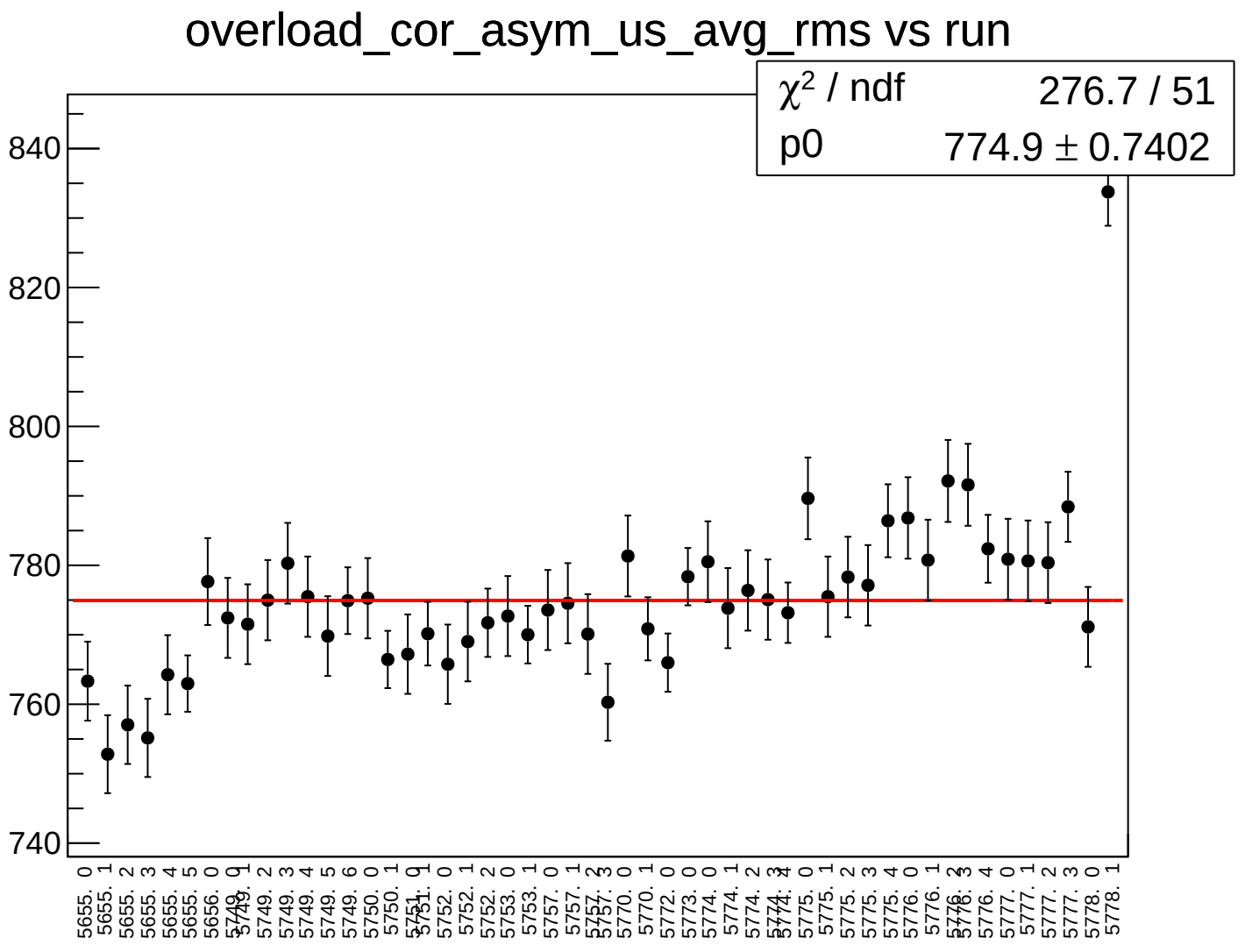
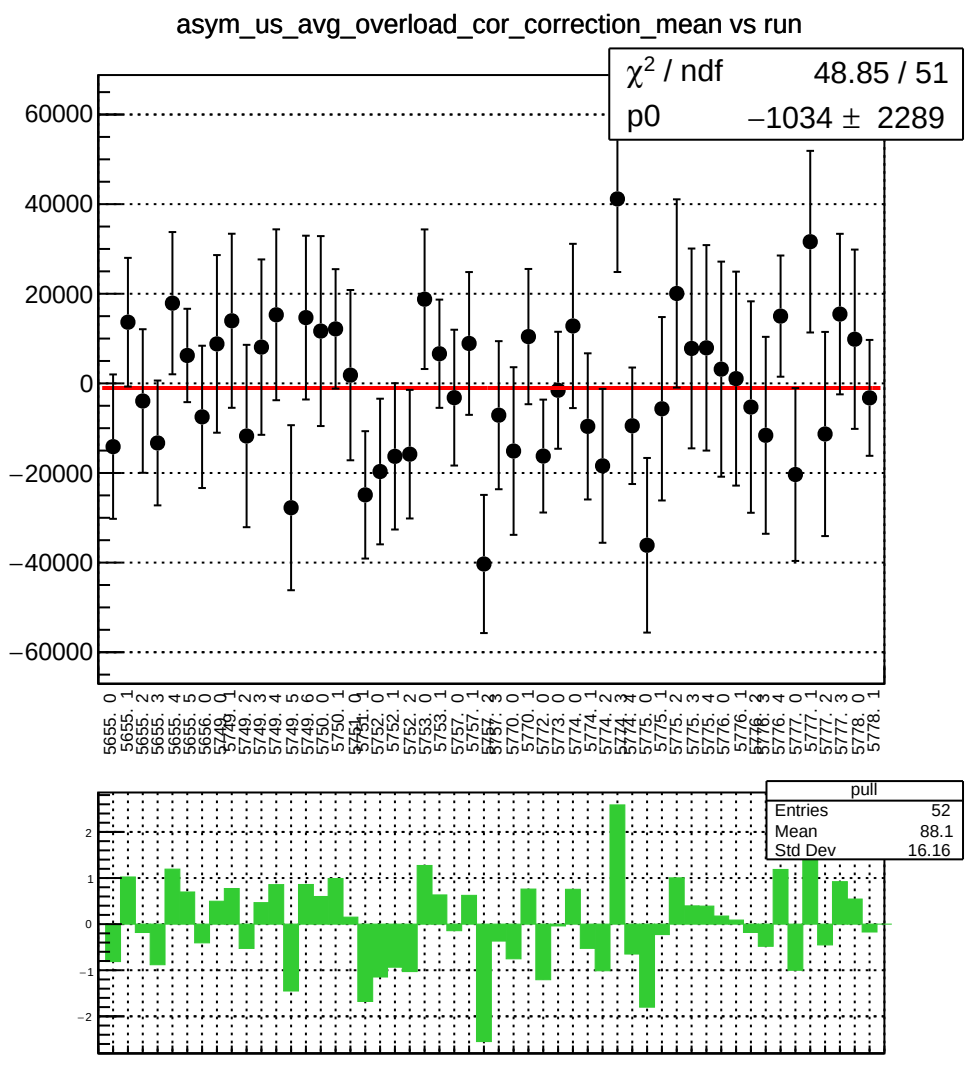
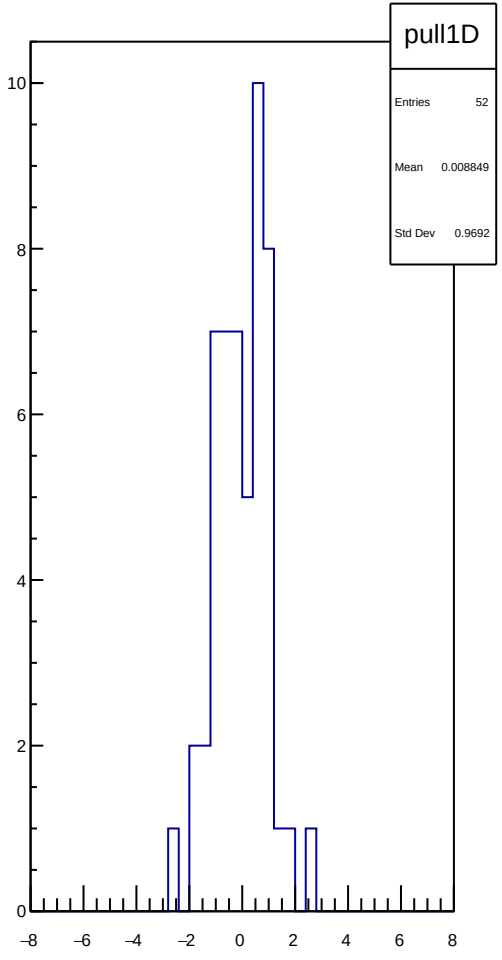
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

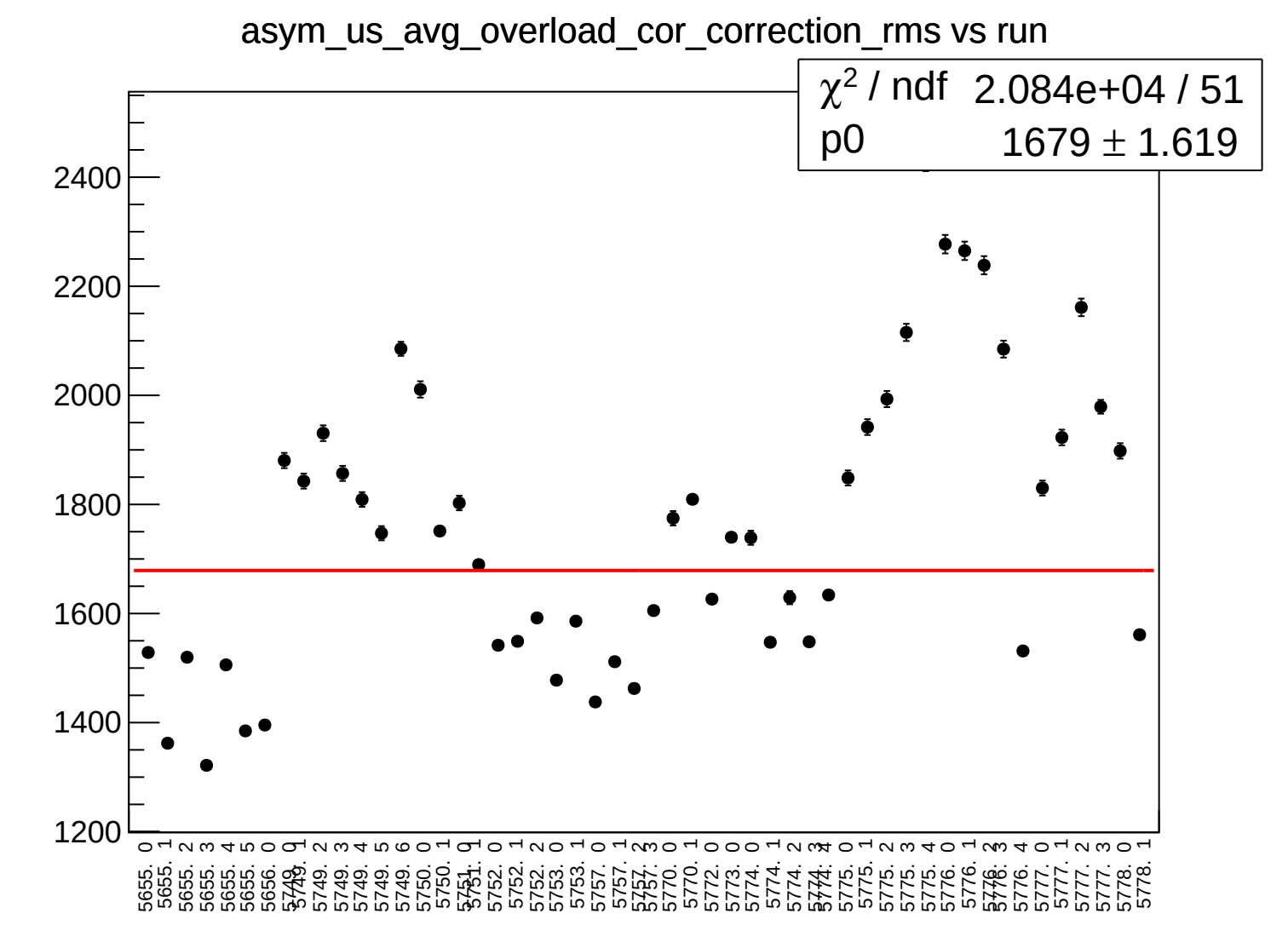

overload_cor_asym_us_avg_mean vs run
χ² / ndf 51.78 / 51
p0 −1076 ± 1047
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean 99.08
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.01194
Std Dev 0.9978
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


overload_cor_asym_us_avg_rms vs run
χ² / ndf 276.7 / 51
p0 774.9 ± 0.7402
840
820
800
780
760
740
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_avg_overload_cor_correction_mean vs run
χ² / ndf 48.85 / 51
p0 −1034 ± 2289
pull
Entries 52
Mean 88.1
Std Dev 16.16


pull1D
Entries 52
Mean 0.008849
Std Dev 0.9692


asym_us_avg_overload_cor_correction_rms vs run
χ² / ndf 2.084e+04 / 51
p0 1679 ± 1.619
2400
2200
2000
1800
1600
1400
1200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5750. 1
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5752. 1
5752. 2
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5753. 1
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5757. 1
5757. 2
5757. 3
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5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
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5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
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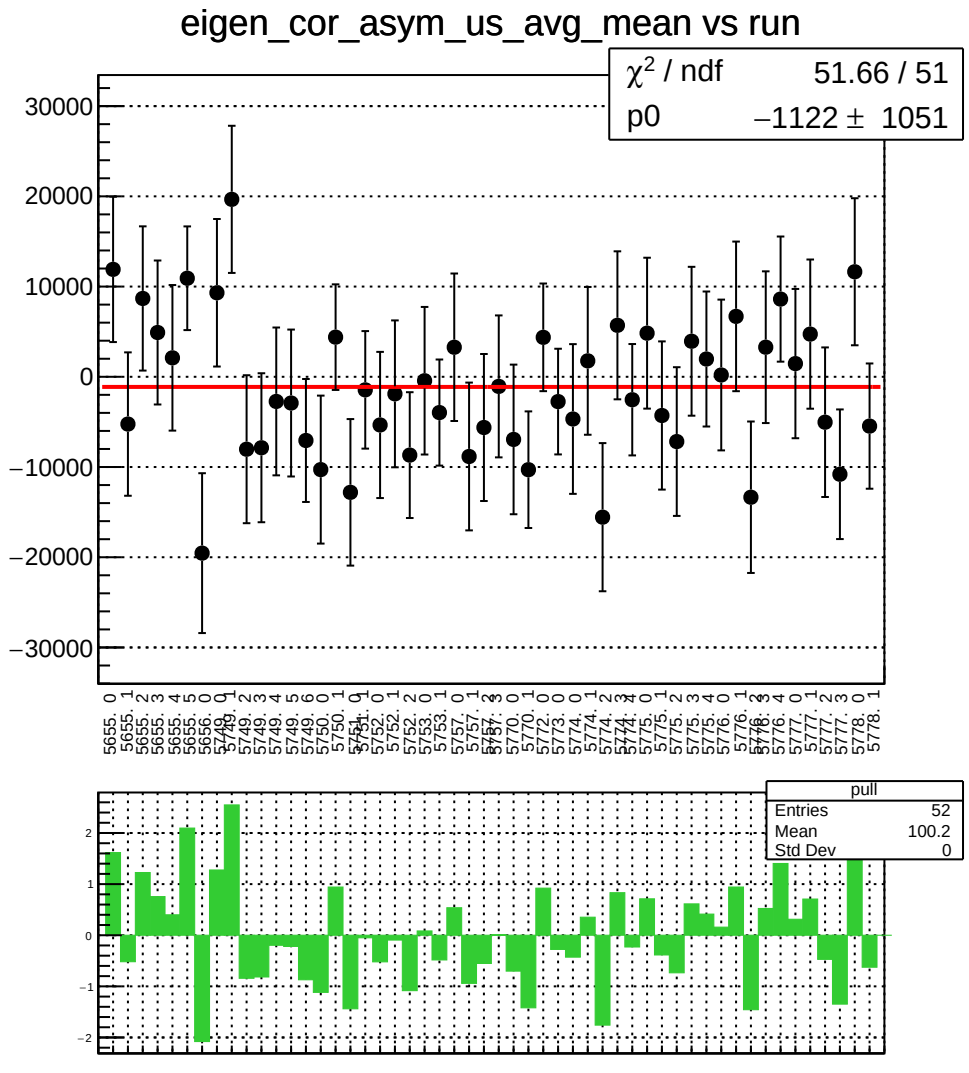
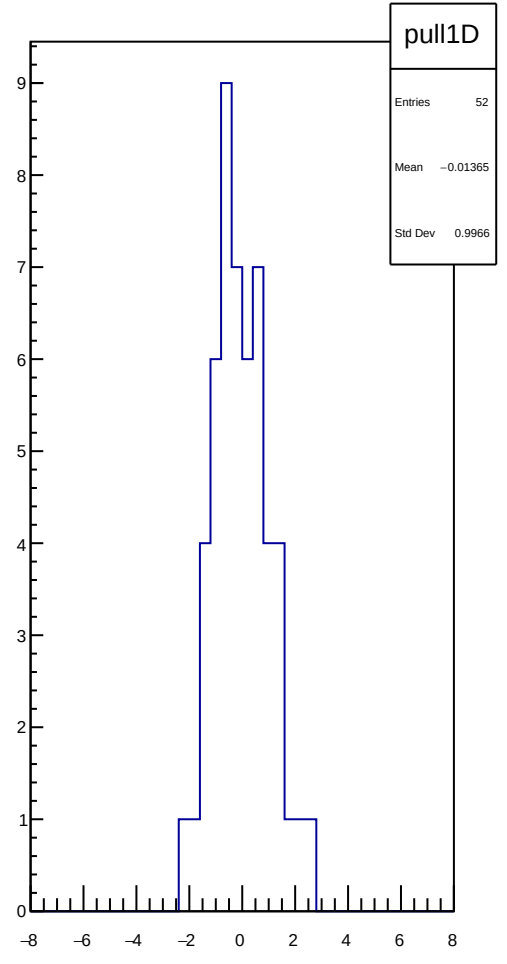
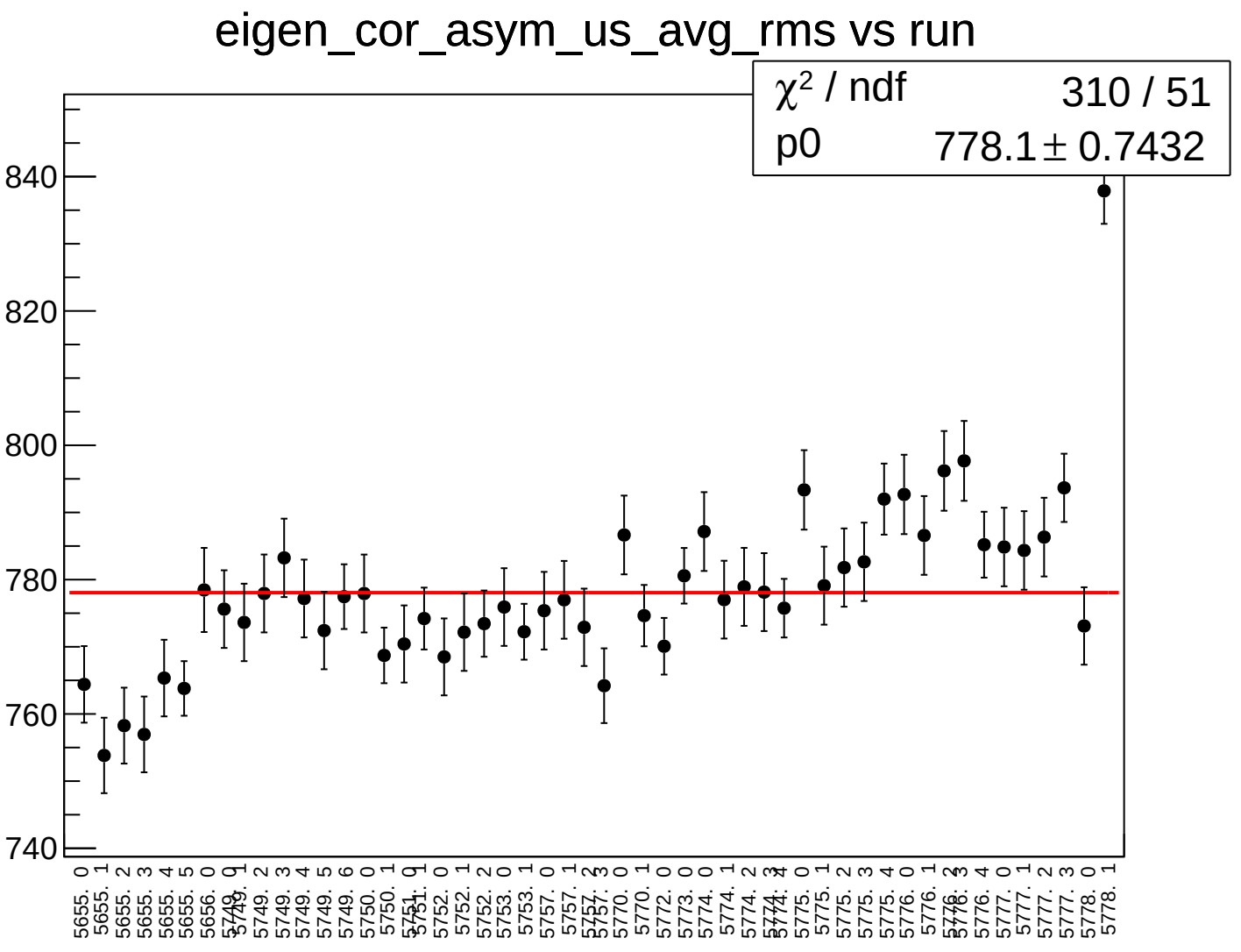
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_us_avg_mean vs run
χ² / ndf 51.66 / 51
p0 −1122 ± 1051
pull
Entries 52
Mean 100.2
Std Dev 0


pull1D
Entries 52
Mean −0.01365
Std Dev 0.9966


eigen_cor_asym_us_avg_rms vs run
χ² / ndf 310 / 51
p0 778.1 ± 0.7432
840
820
800
780
760
740
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
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5757. 3
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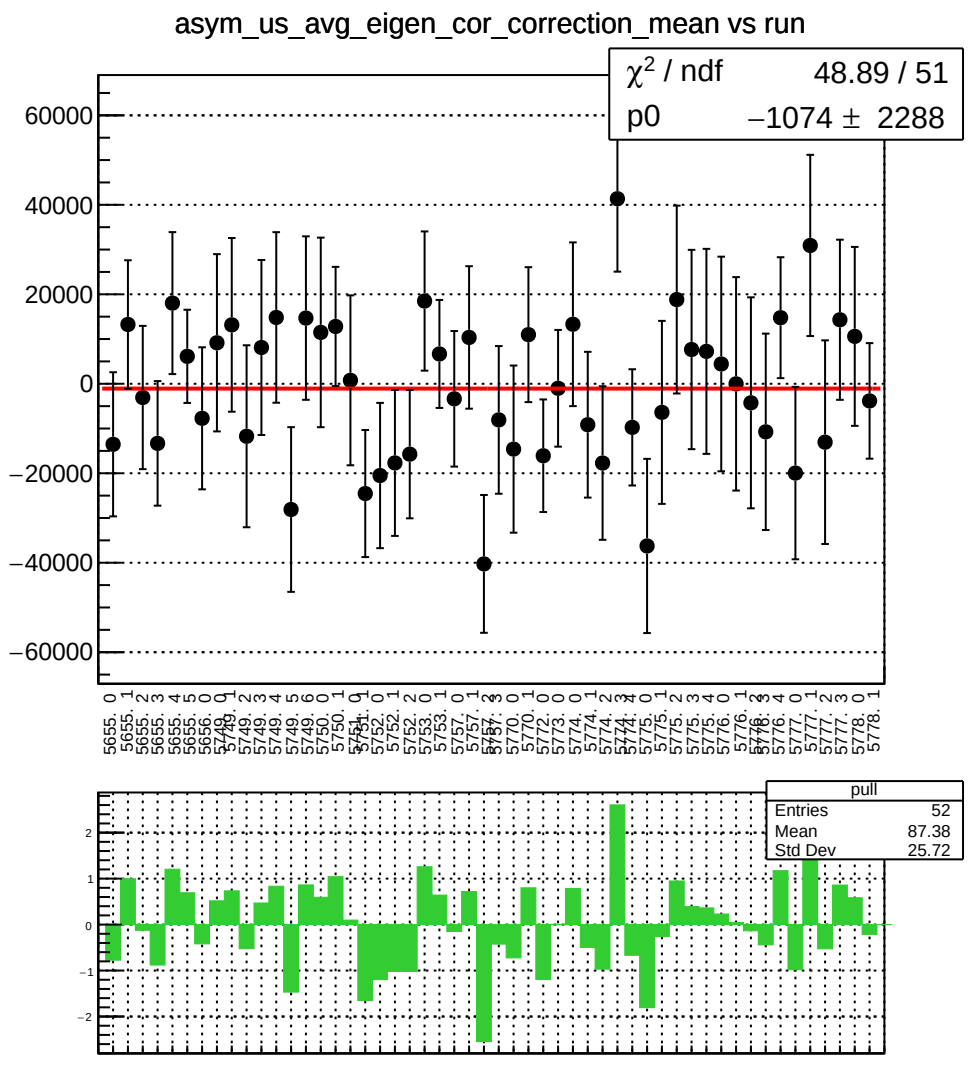
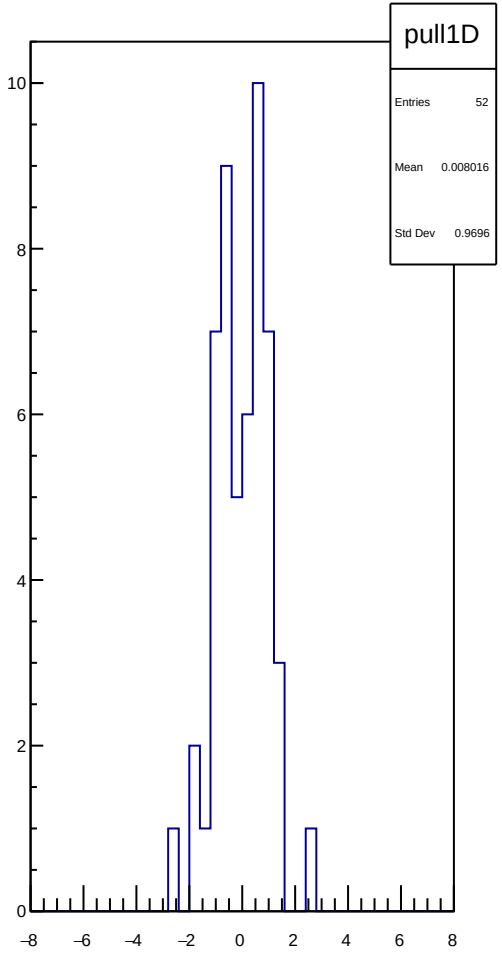
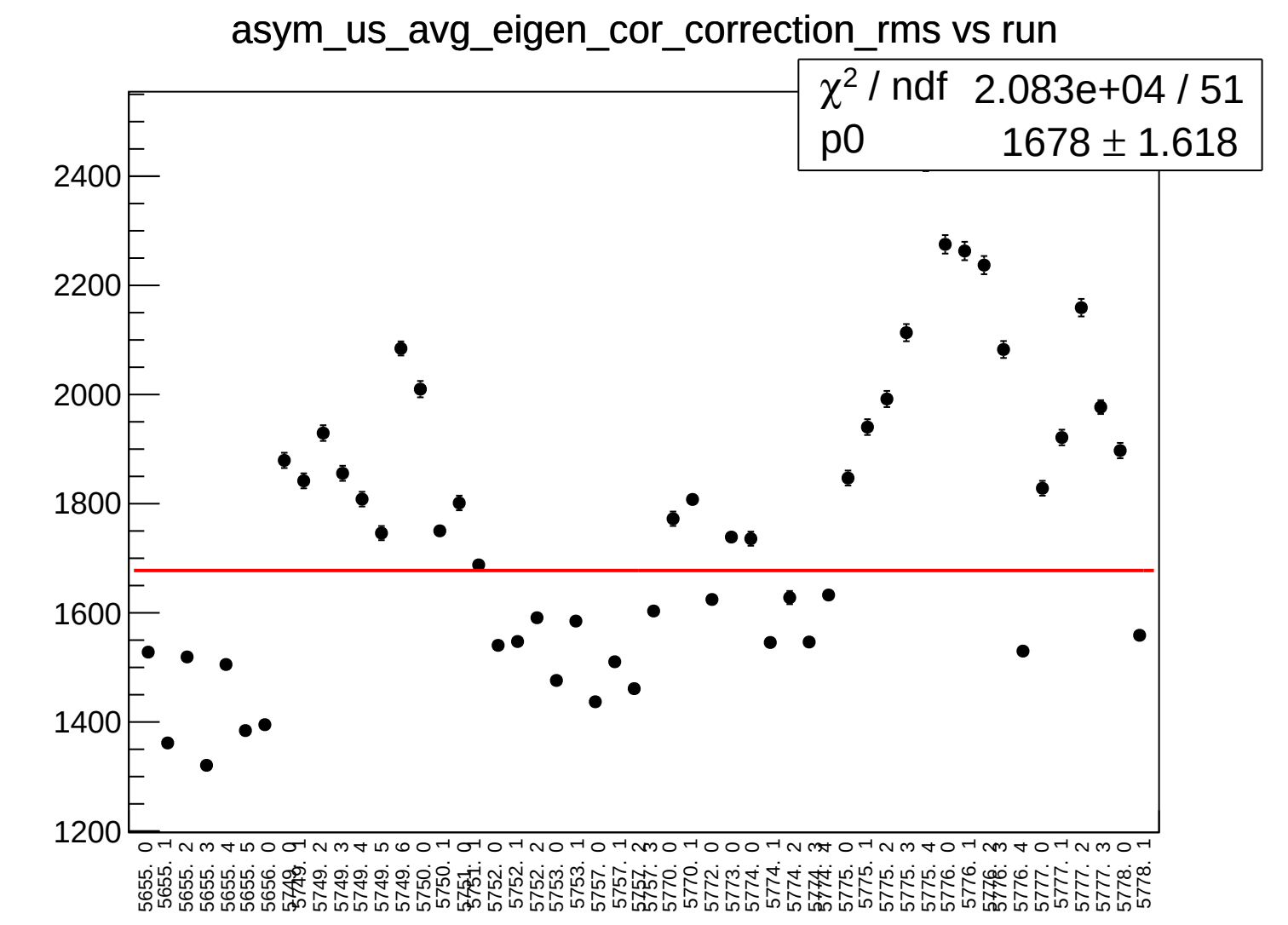

asym_us_avg_eigen_cor_correction_mean vs run
χ² / ndf 48.89 / 51
p0 −1074 ± 2288
pull
Entries 52
Mean 87.38
Std Dev 25.72


pull1D
Entries 52
Mean 0.008016
Std Dev 0.9696


asym_us_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.083e+04 / 51
p0 1678 ± 1.618
2400
2200
2000
1800
1600
1400
1200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
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5751. 1
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5752. 1
5752. 2
5753. 0
5753. 1
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5757. 1
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
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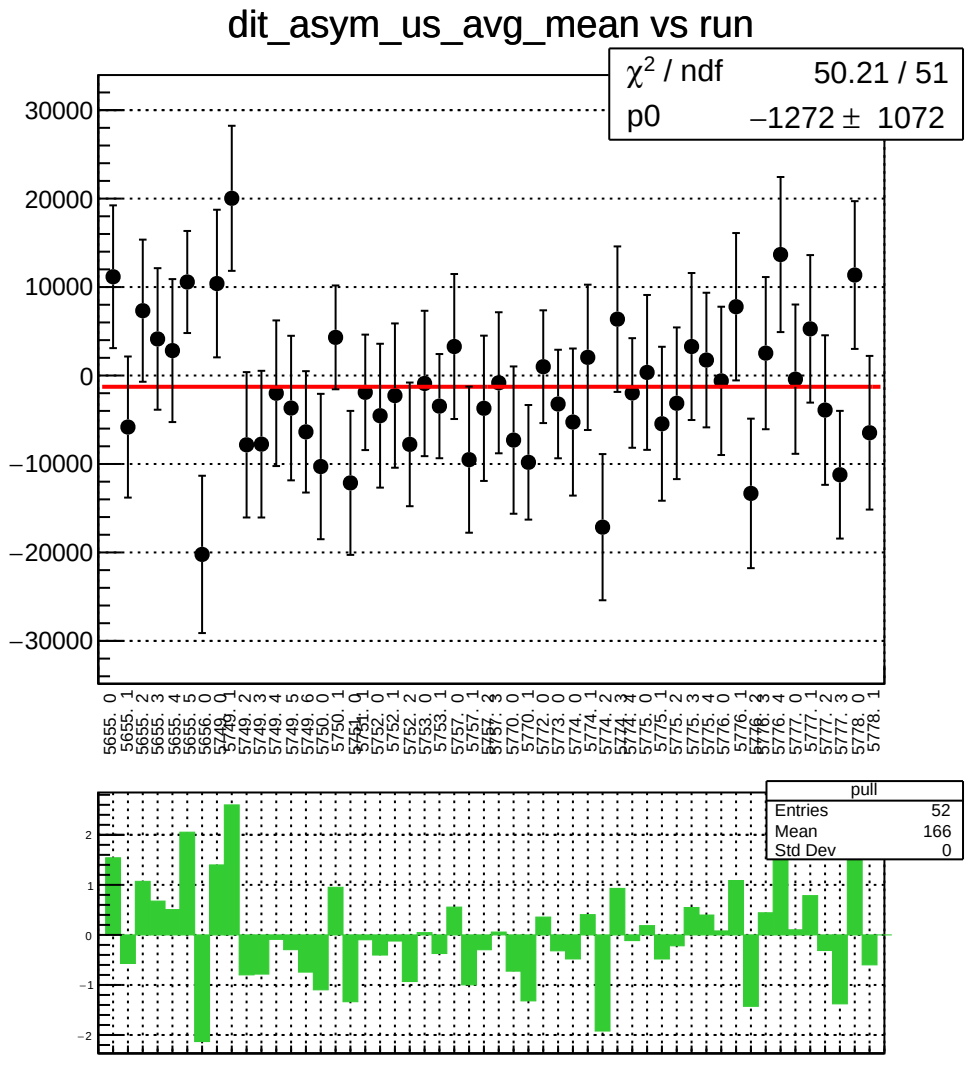
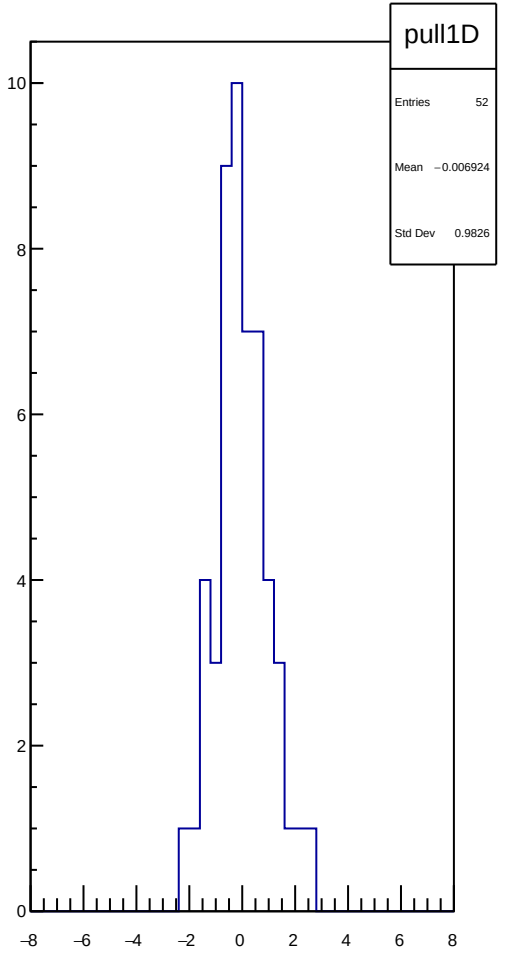
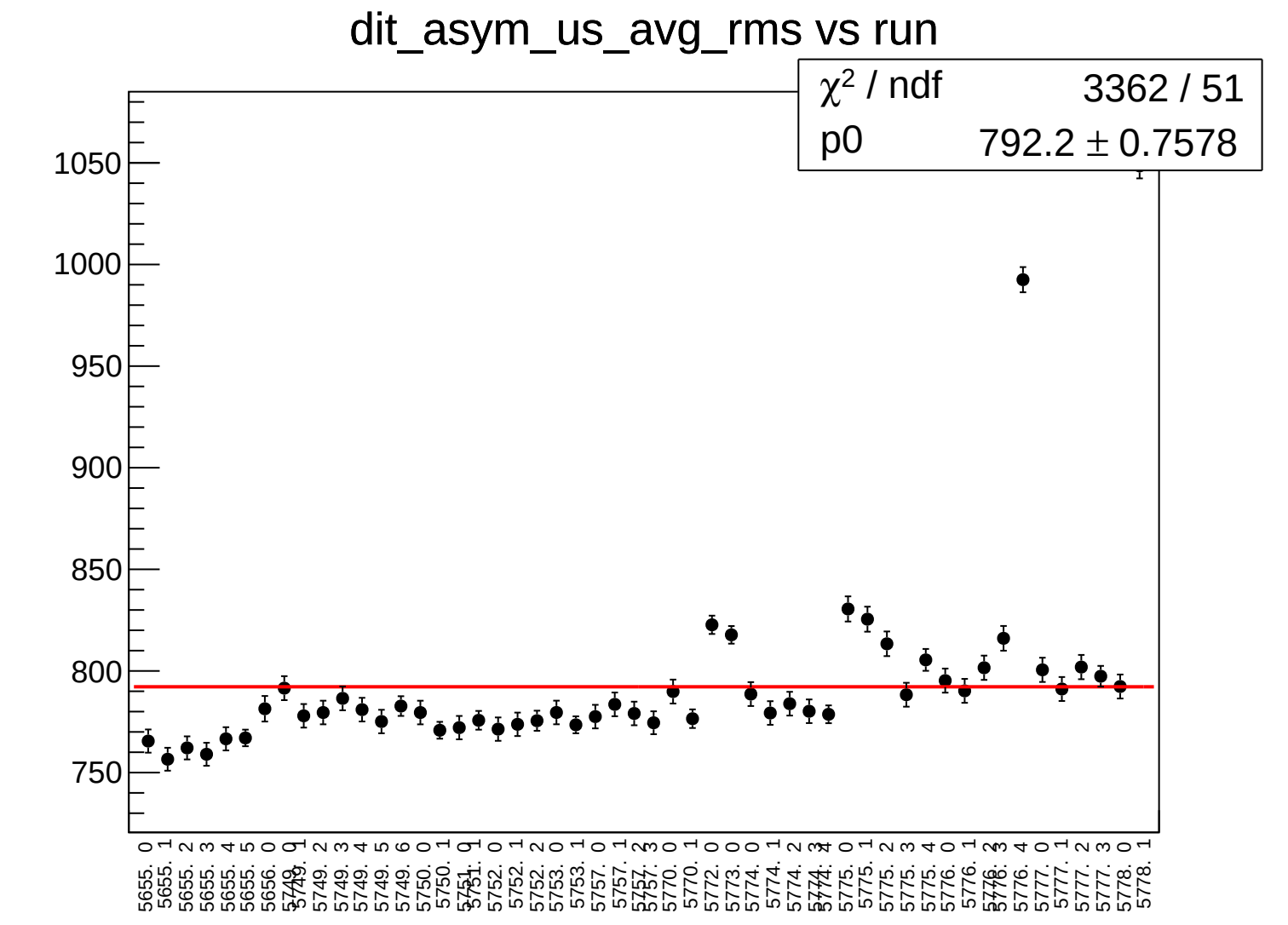
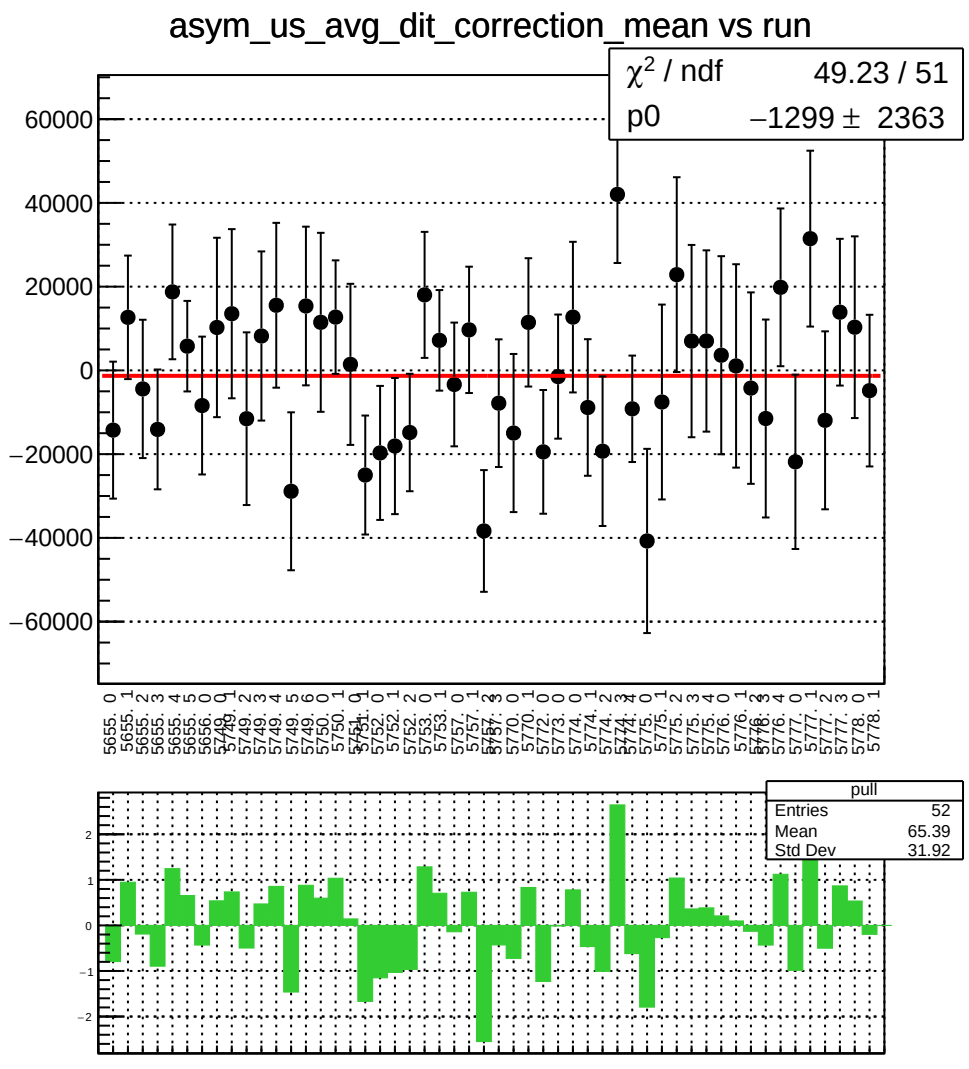
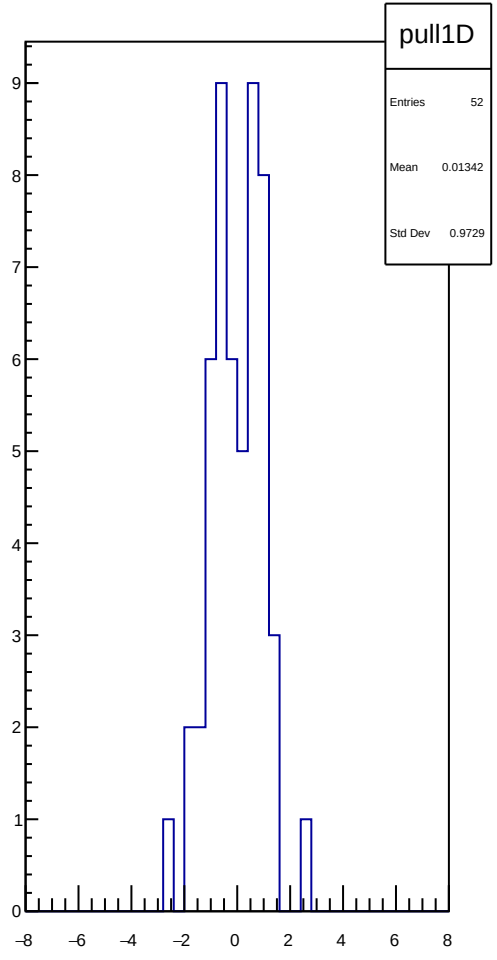
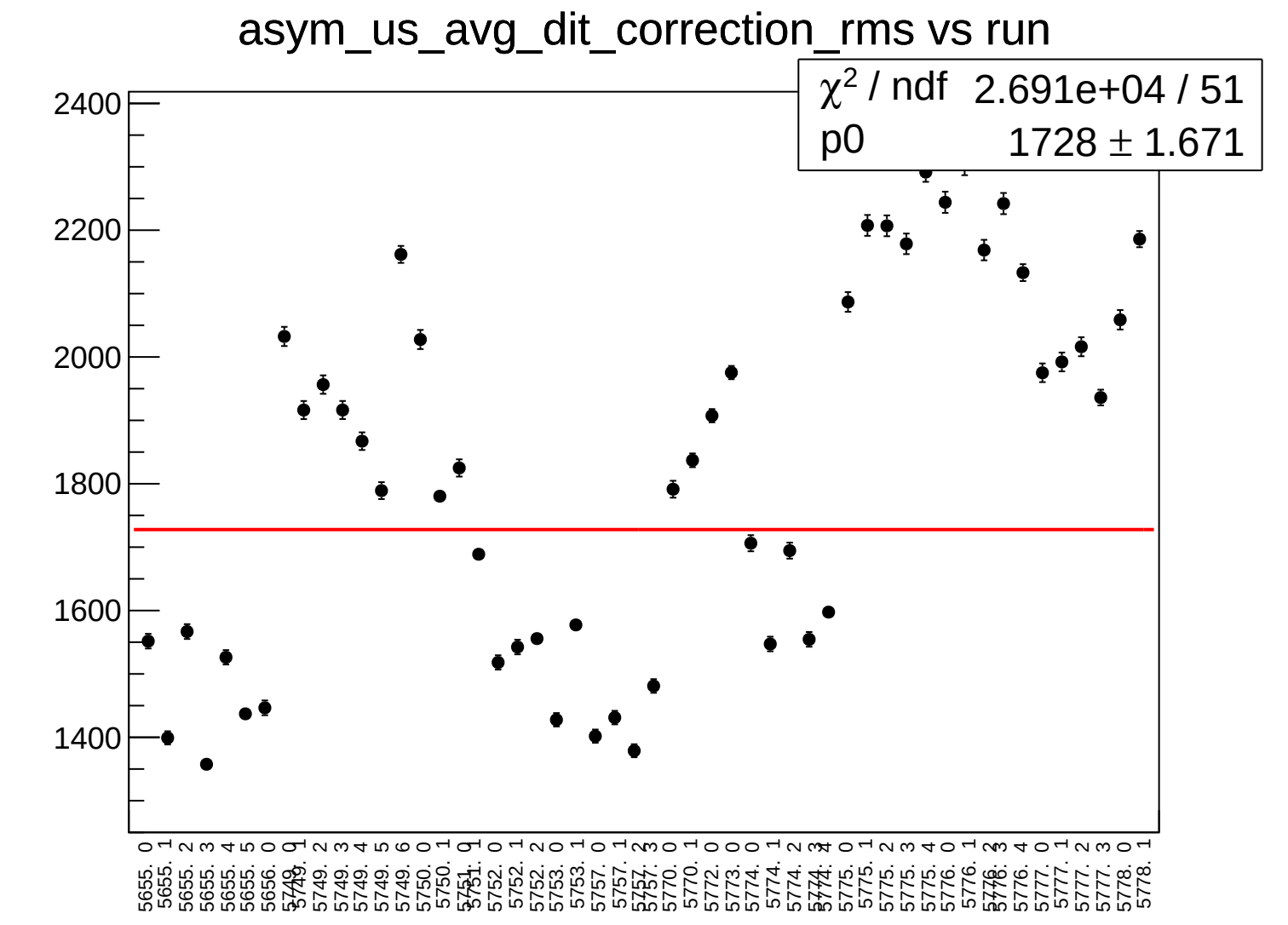

dit_asym_us_avg_mean vs run
χ² / ndf 50.21 / 51
p0 −1272 ± 1072
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean 166
Std Dev 0
2
1
0
−1
−2

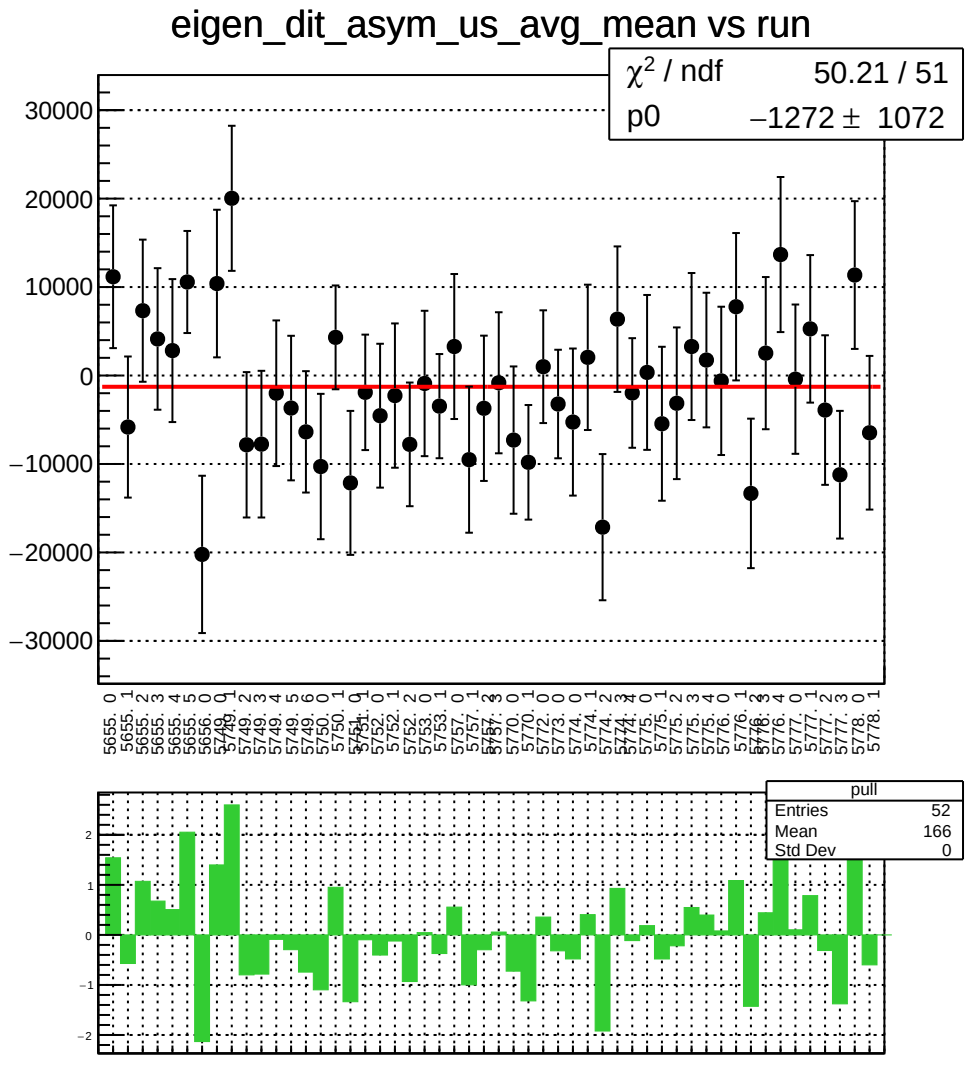

pull1D
Entries 52
Mean −0.006924
Std Dev 0.9826
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

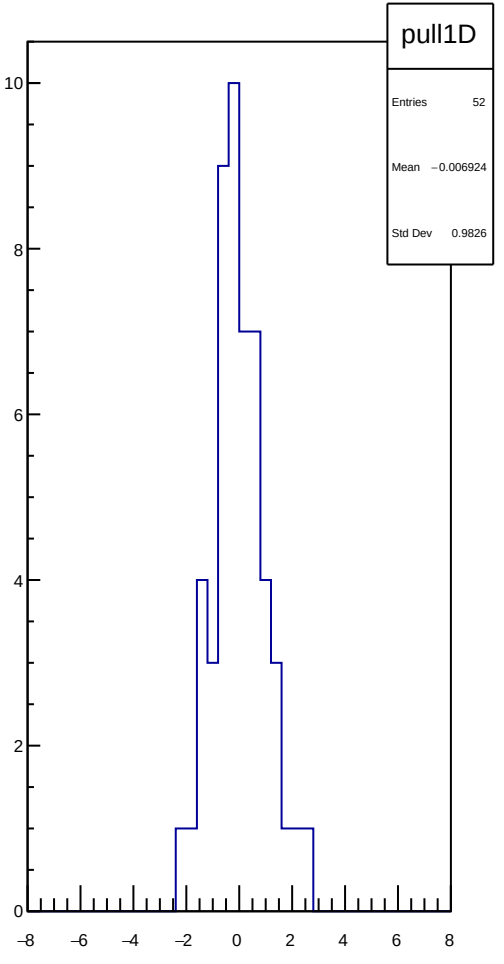

dit_asym_us_avg_rms vs run
χ² / ndf 3362 / 51
p0 792.2 ± 0.7578
1050
1000
950
900
850
800
750
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

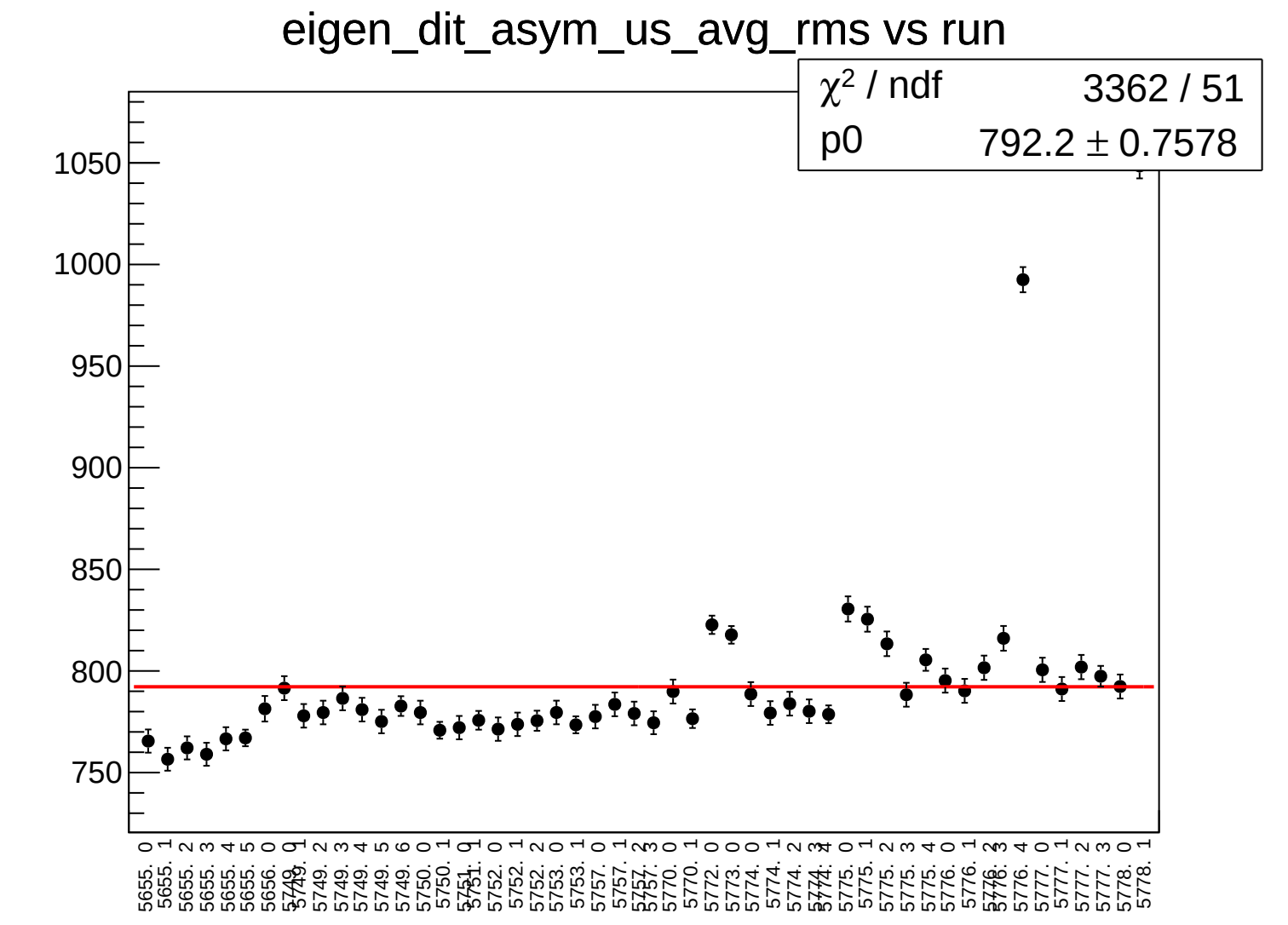

asym_us_avg_dit_correction_mean vs run
χ² / ndf 49.23 / 51
p0 −1299 ± 2363
pull
Entries 52
Mean 65.39
Std Dev 31.92

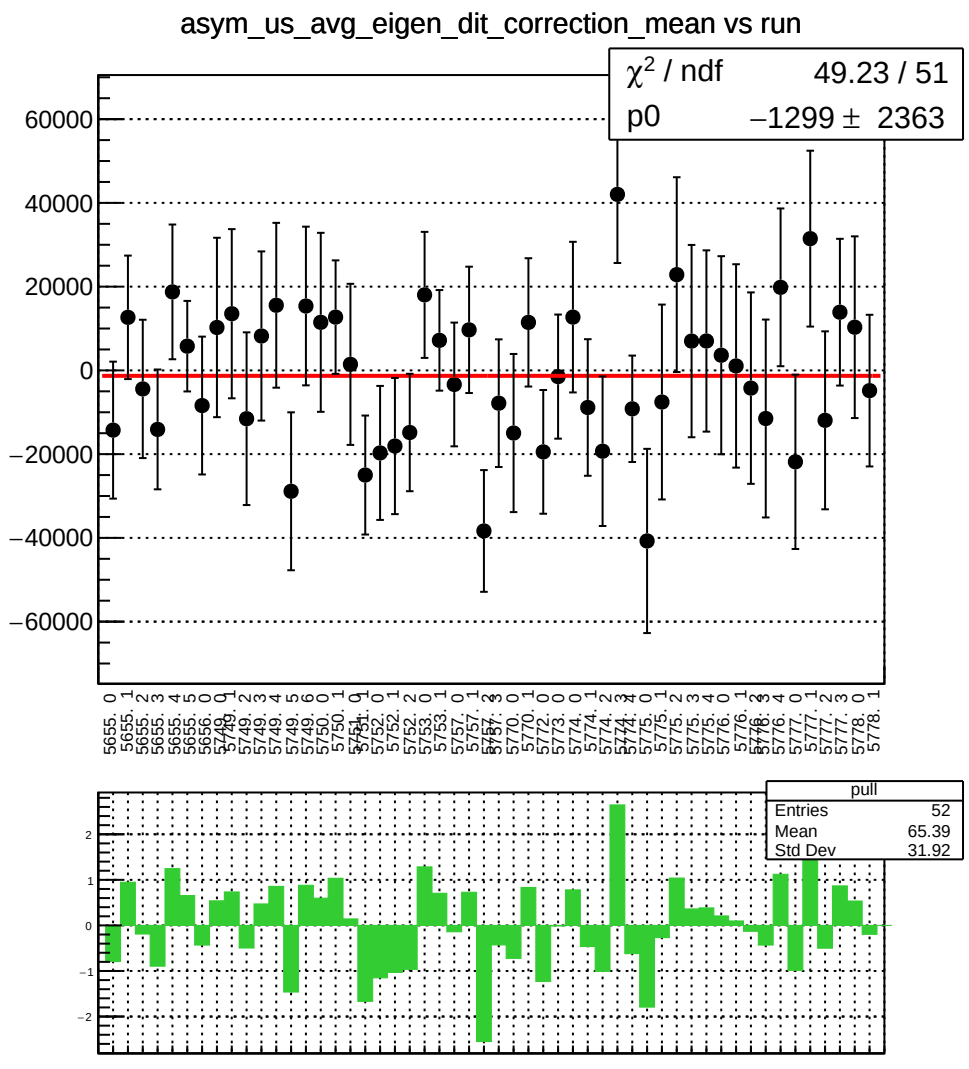

pull1D
Entries 52
Mean 0.01342
Std Dev 0.9729

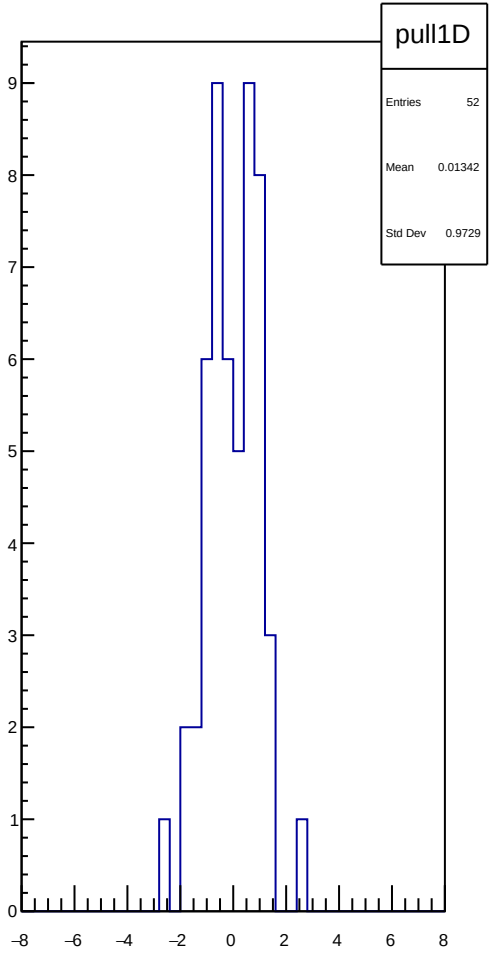

asym_us_avg_dit_correction_rms vs run
χ² / ndf 2.691e+04 / 51
p0 1728 ± 1.671
2400
2200
2000
1800
1600
1400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

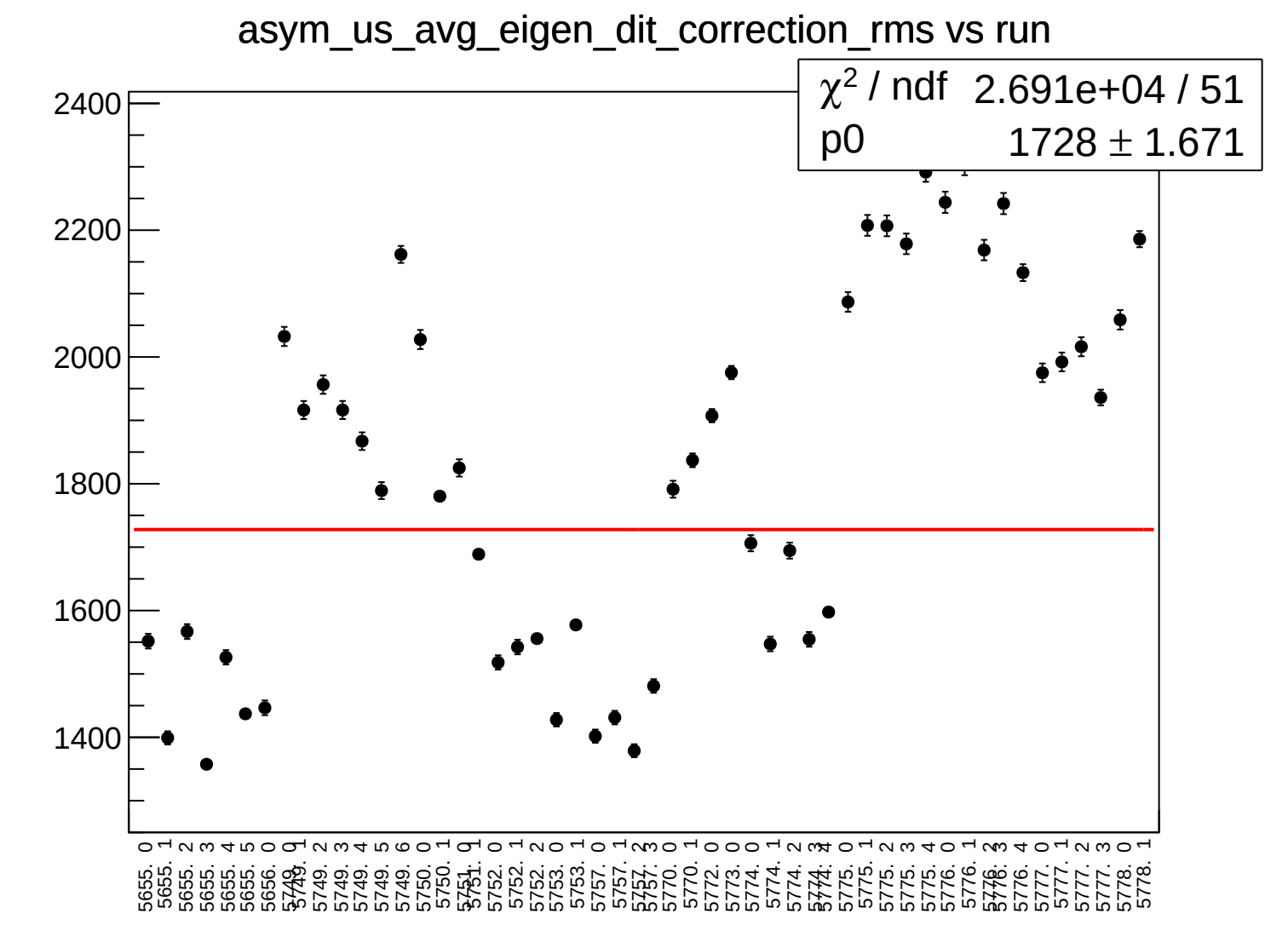

eigen_dit_asym_us_avg_mean vs run
χ² / ndf 50.21 / 51
p0 −1272 ± 1072
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean 166
Std Dev 0
2
1
0
−1
−2

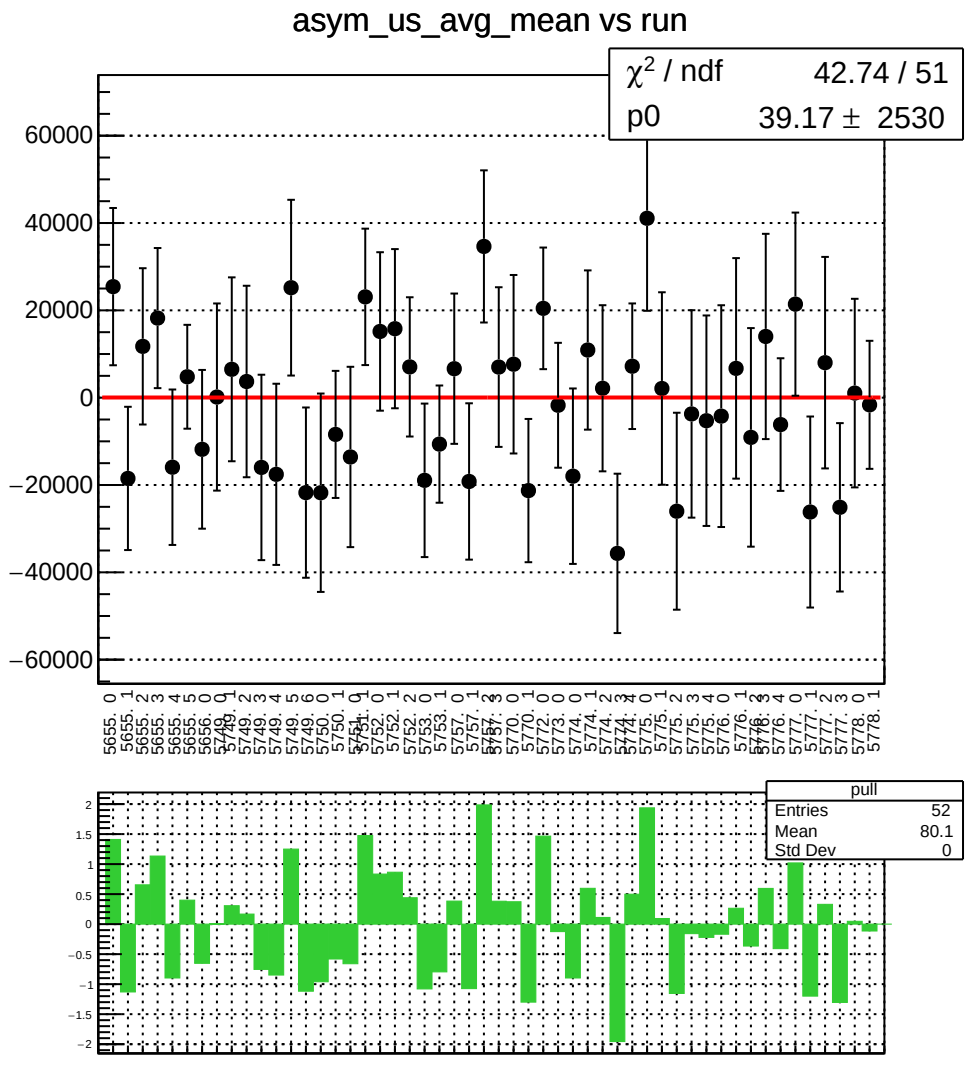

pull1D
Entries 52
Mean −0.006924
Std Dev 0.9826
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

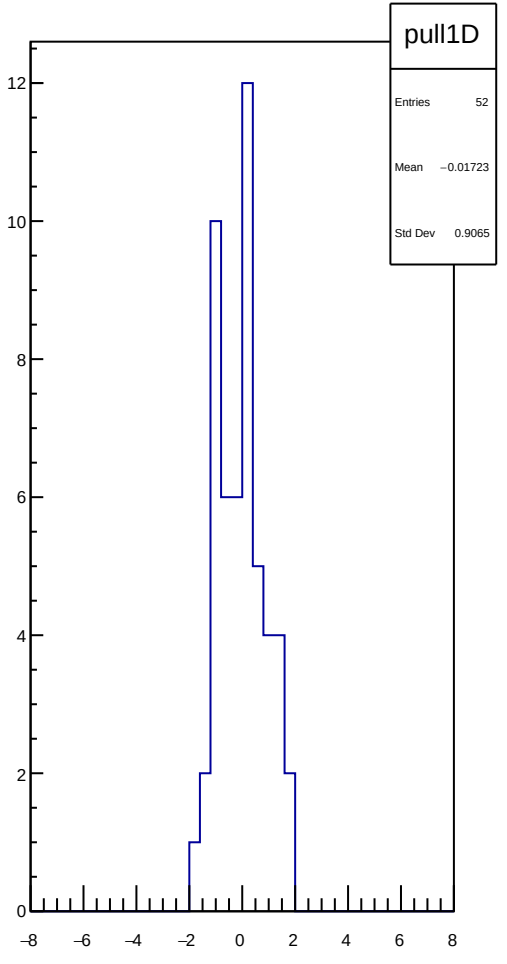

eigen_dit_asym_us_avg_rms vs run
χ² / ndf 3362 / 51
p0 792.2 ± 0.7578
1050
1000
950
900
850
800
750
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

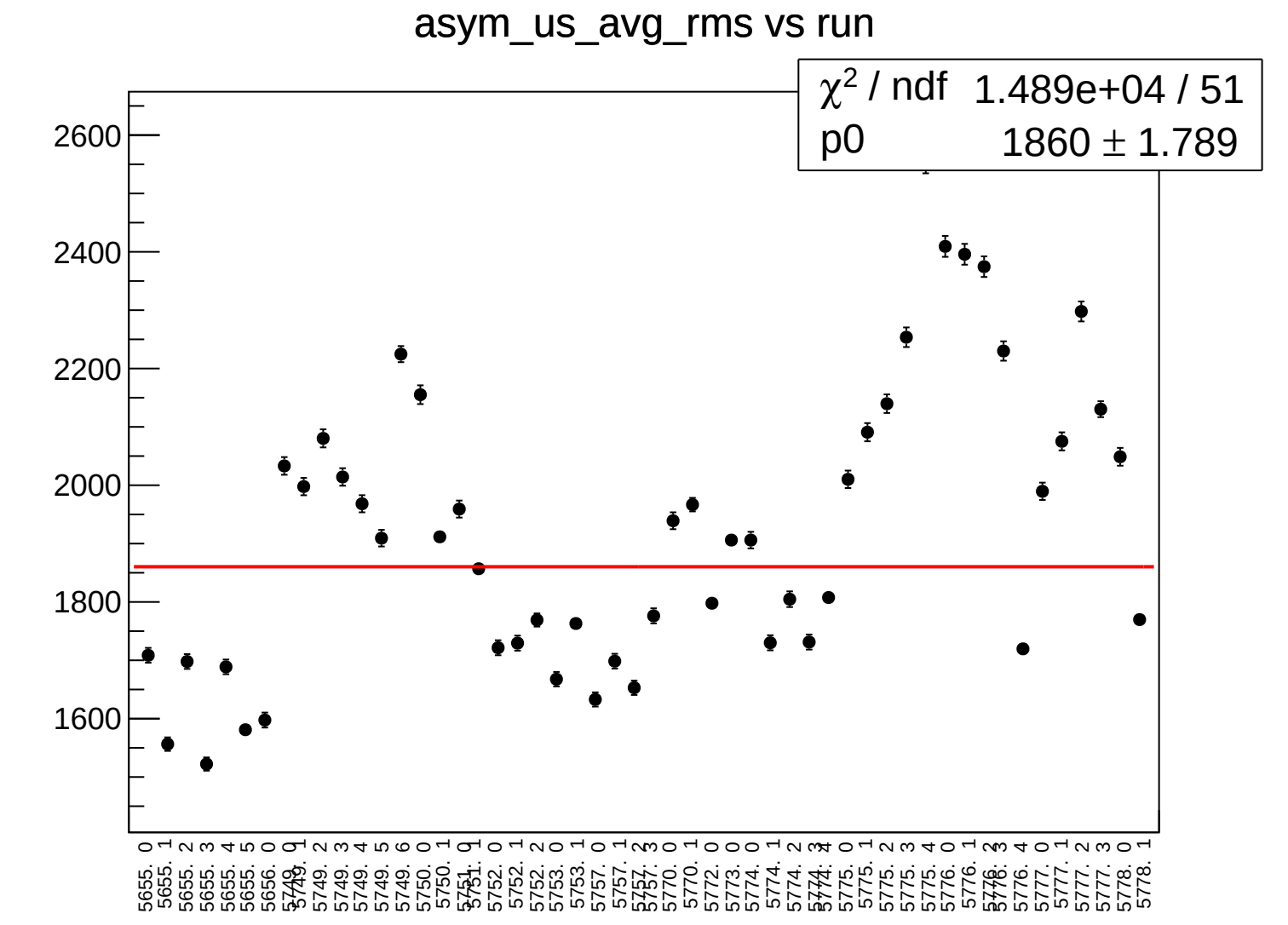

asym_us_avg_eigen_dit_correction_mean vs run
χ² / ndf 49.23 / 51
p0 −1299 ± 2363
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 65.39
Std Dev 31.92
2
1
0
−1
−2

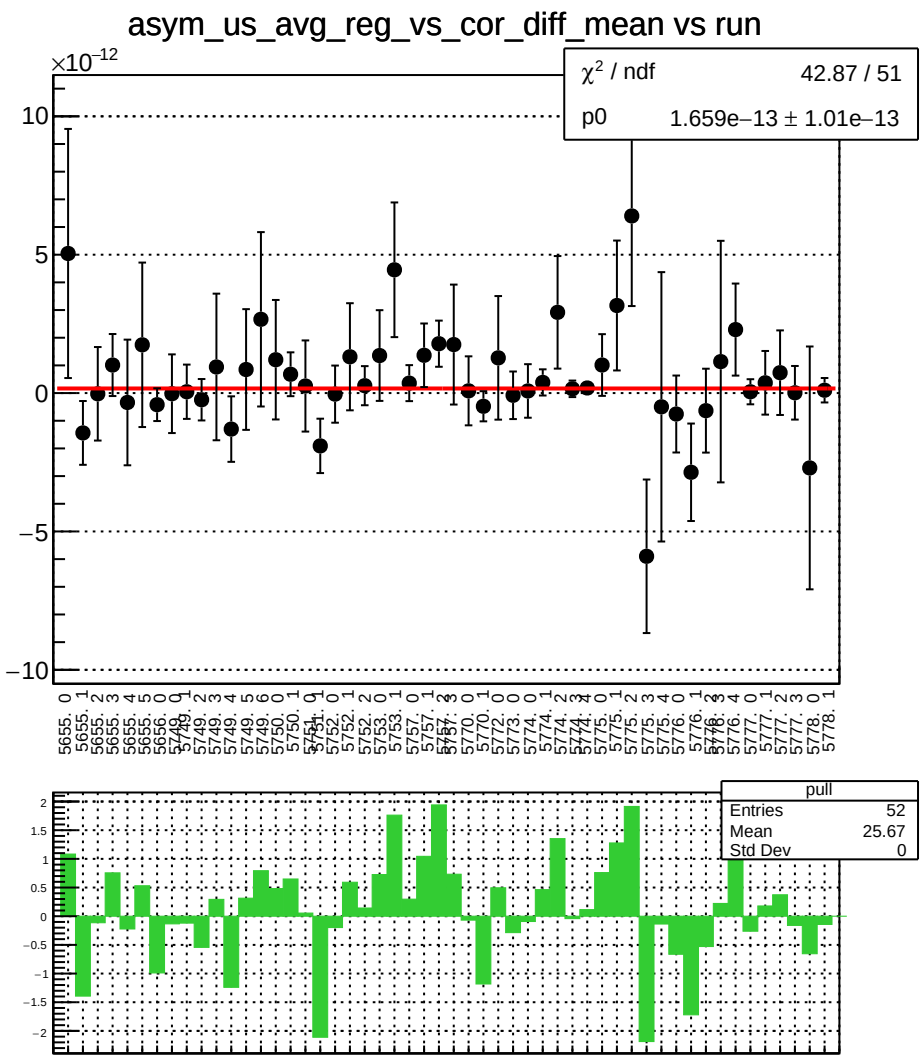

pull1D
Entries 52
Mean 0.01342
Std Dev 0.9729
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

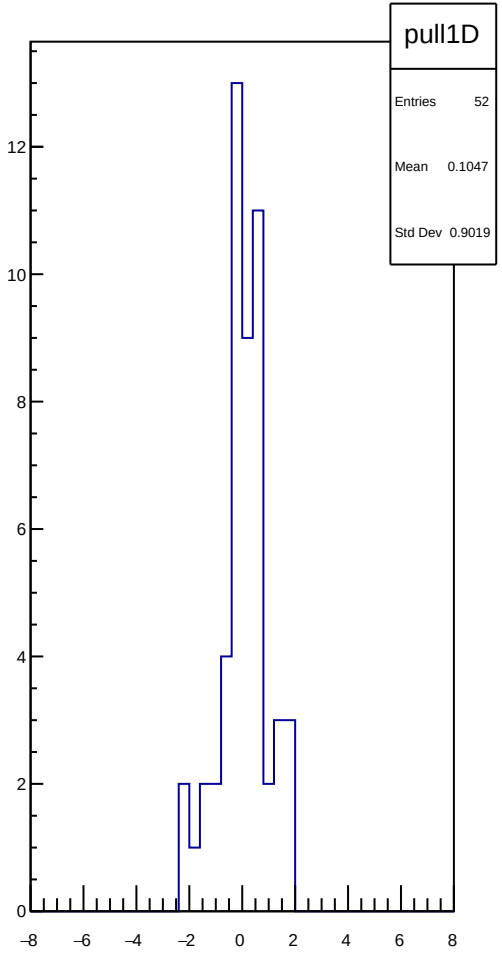

asym_us_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.691e+04 / 51
p0 1728 ± 1.671
2400
2200
2000
1800
1600
1400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

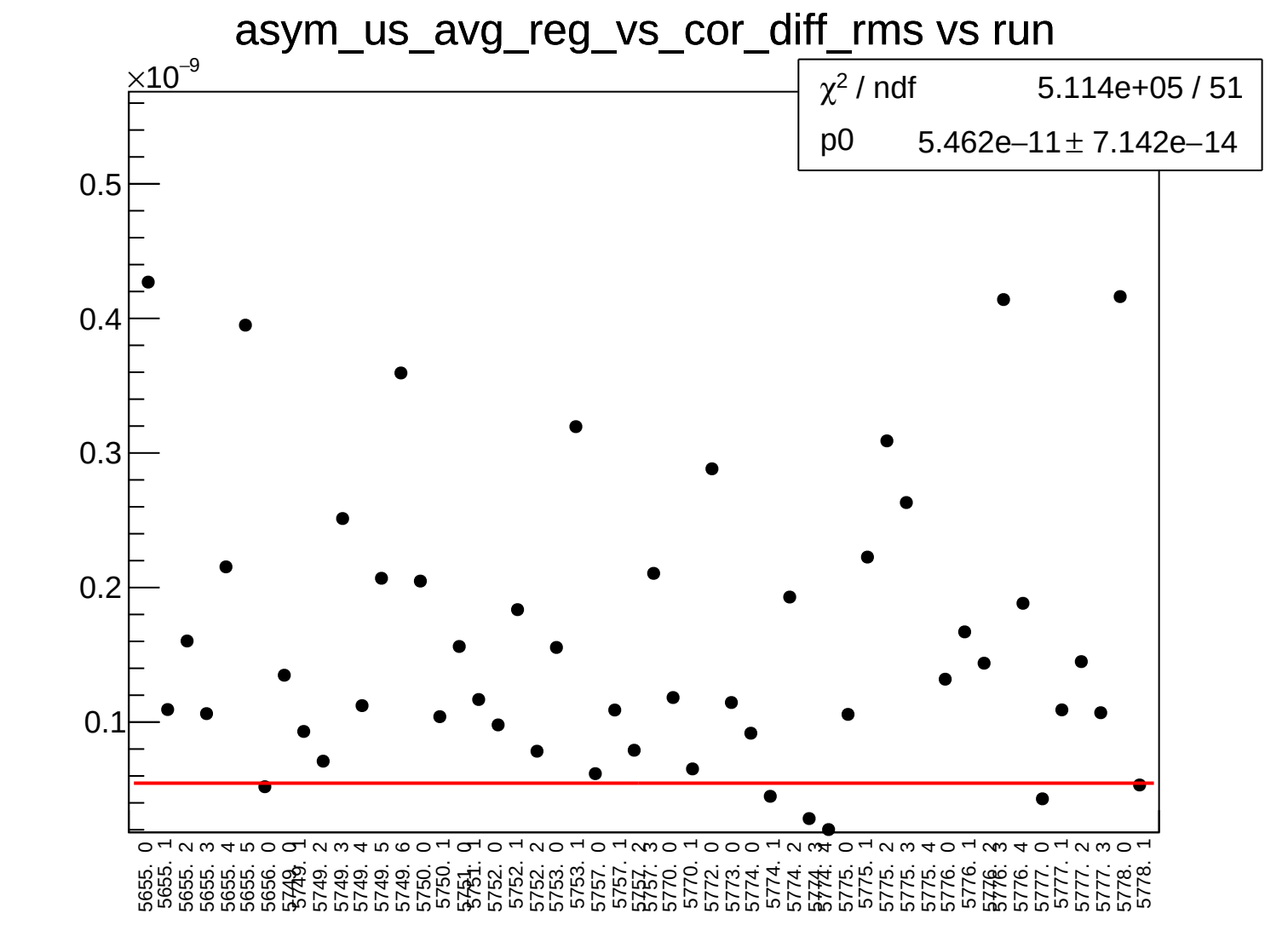

asym_us_avg_mean vs run
χ² / ndf 42.74 / 51
p0 39.17 ± 2530
pull
Entries 52
Mean 80.1
Std Dev 0


pull1D
Entries 52
Mean −0.01723
Std Dev 0.9065


asym_us_avg_rms vs run
χ² / ndf 1.489e+04 / 51
p0 1860 ± 1.789
2600
2400
2200
2000
1800
1600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_avg_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 42.87 / 51
p0 1.659e−13 ± 1.01e−13
pull
Entries 52
Mean 25.67
Std Dev 0


pull1D
Entries 52
Mean 0.1047
Std Dev 0.9019


asym_us_avg_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.114e+05 / 51
p0 5.462e−11 ± 7.142e−14
0.5
0.4
0.3
0.2
0.1
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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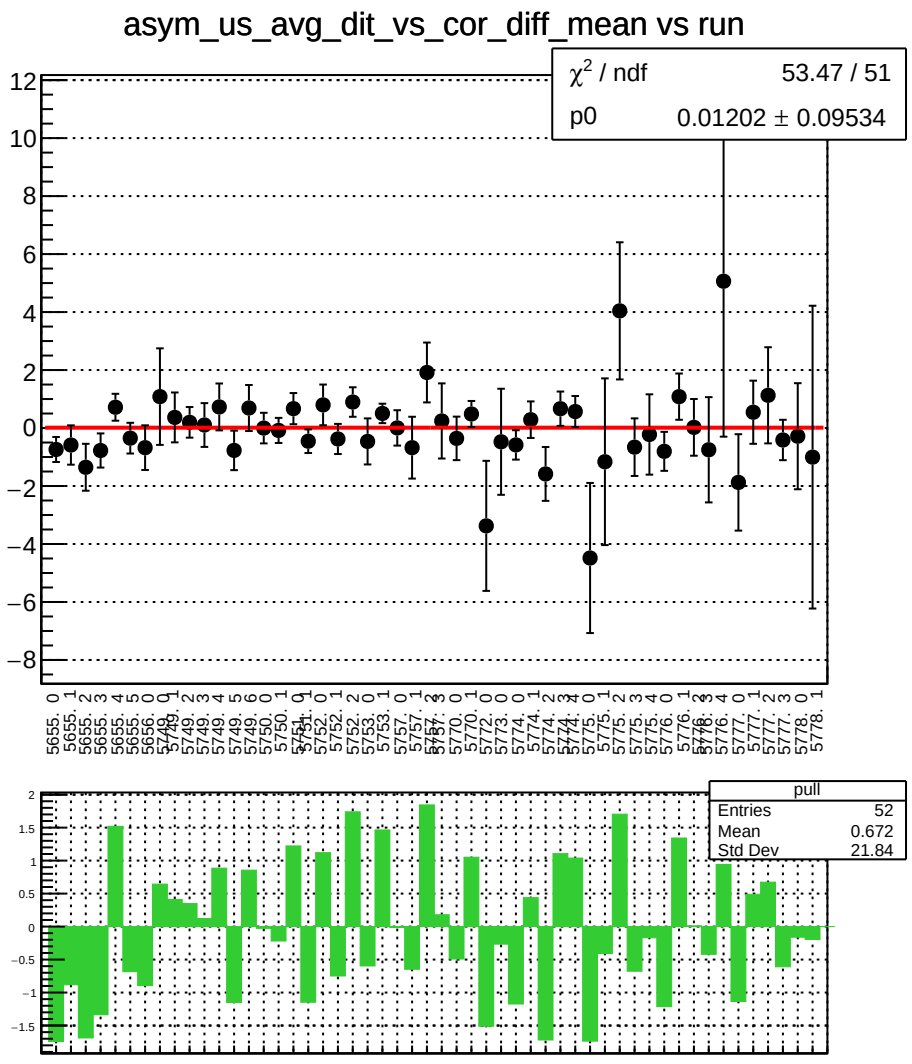
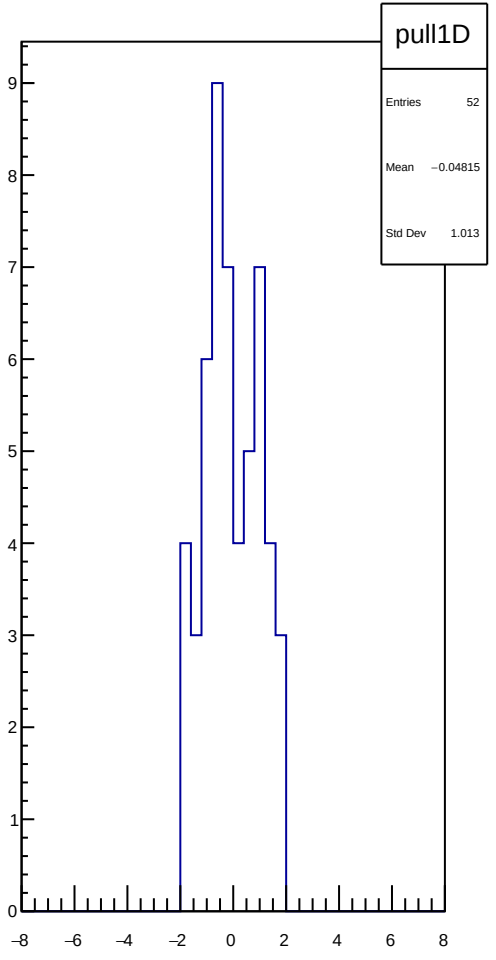
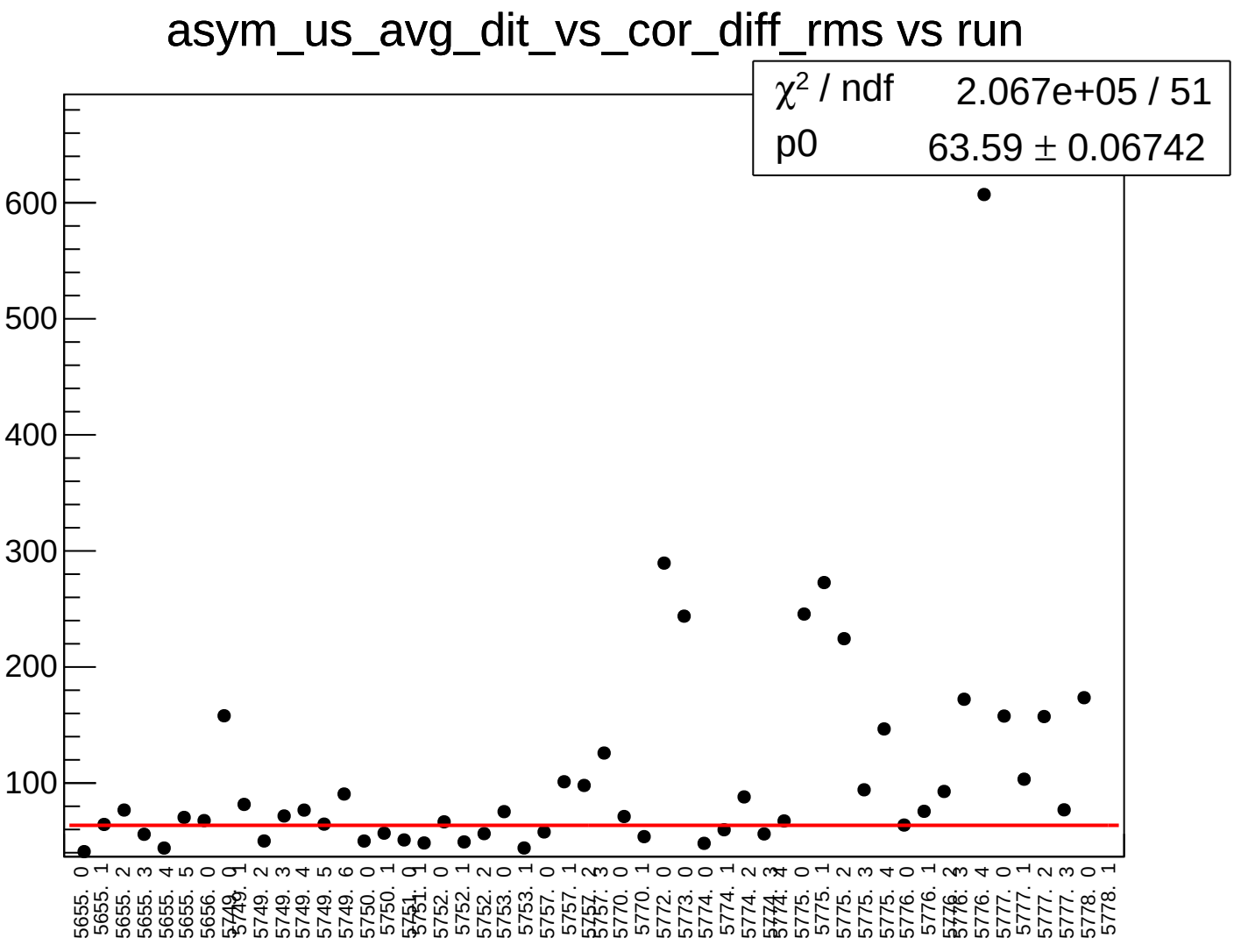
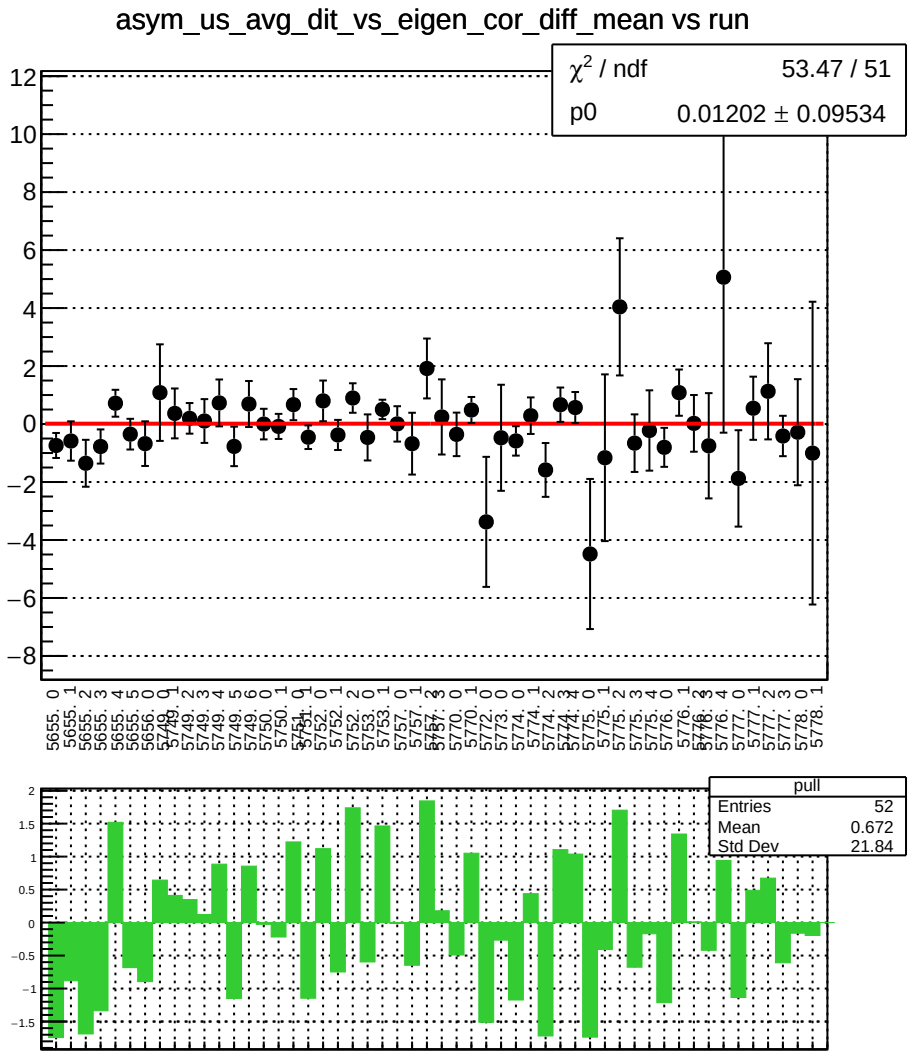
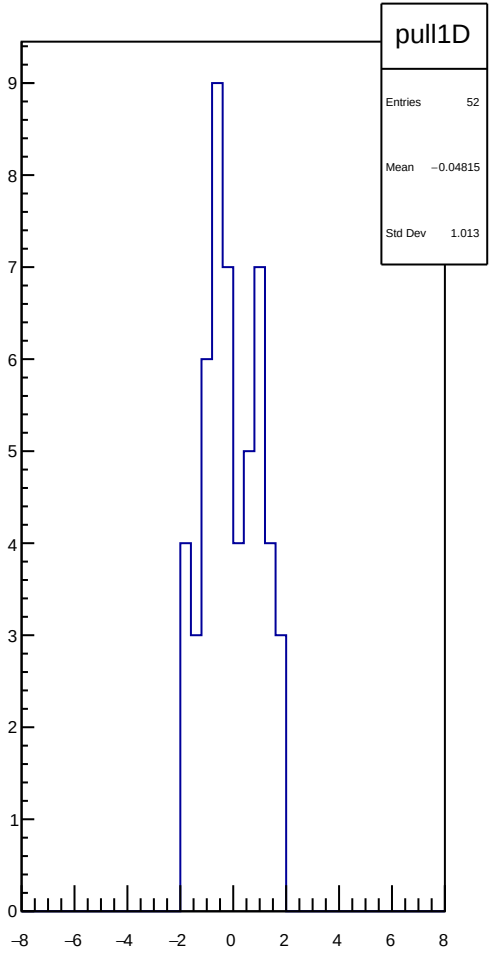
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

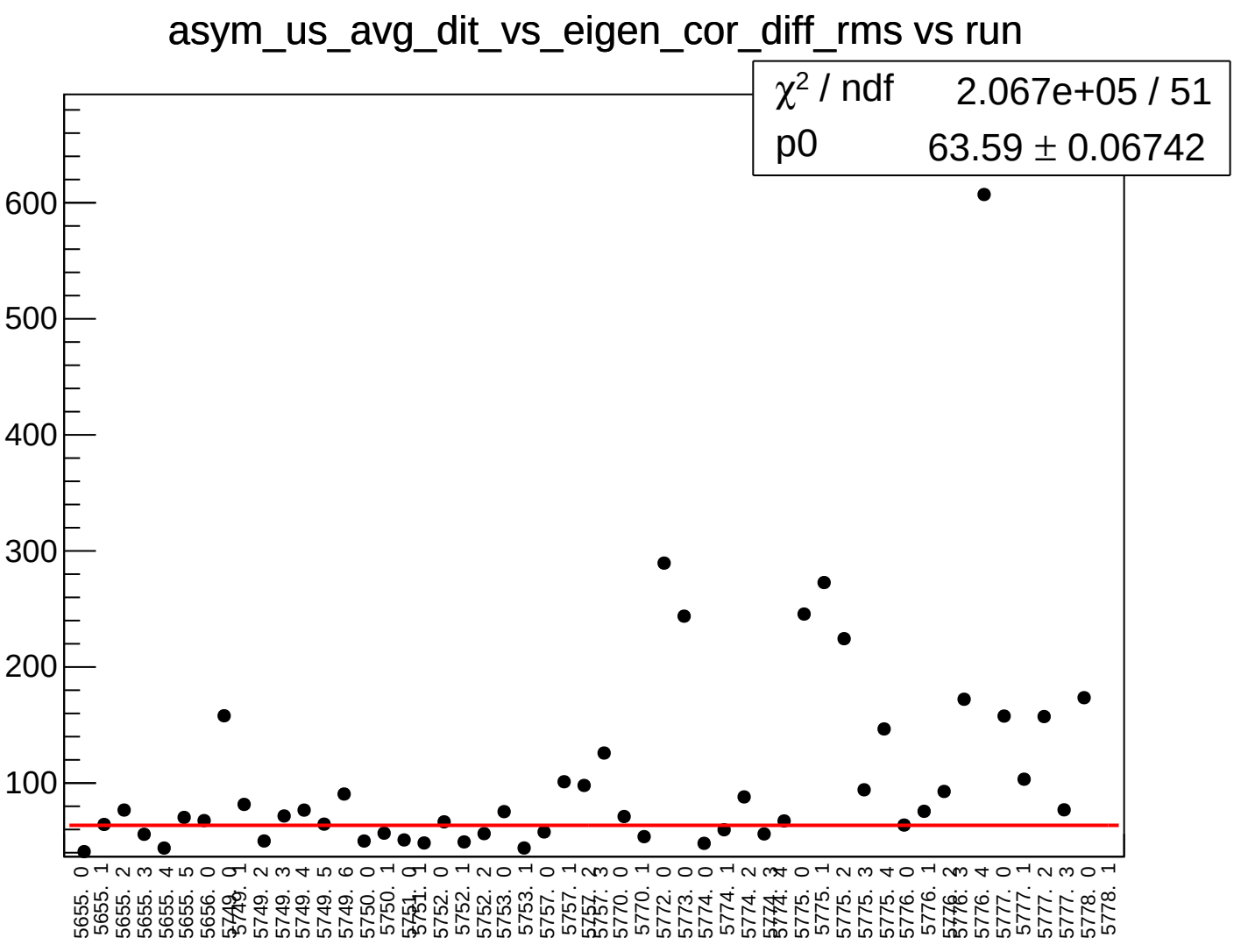

asym_us_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 53.47 / 51
p0 0.01202 ± 0.09534
pull
Entries 52
Mean 0.672
Std Dev 21.84

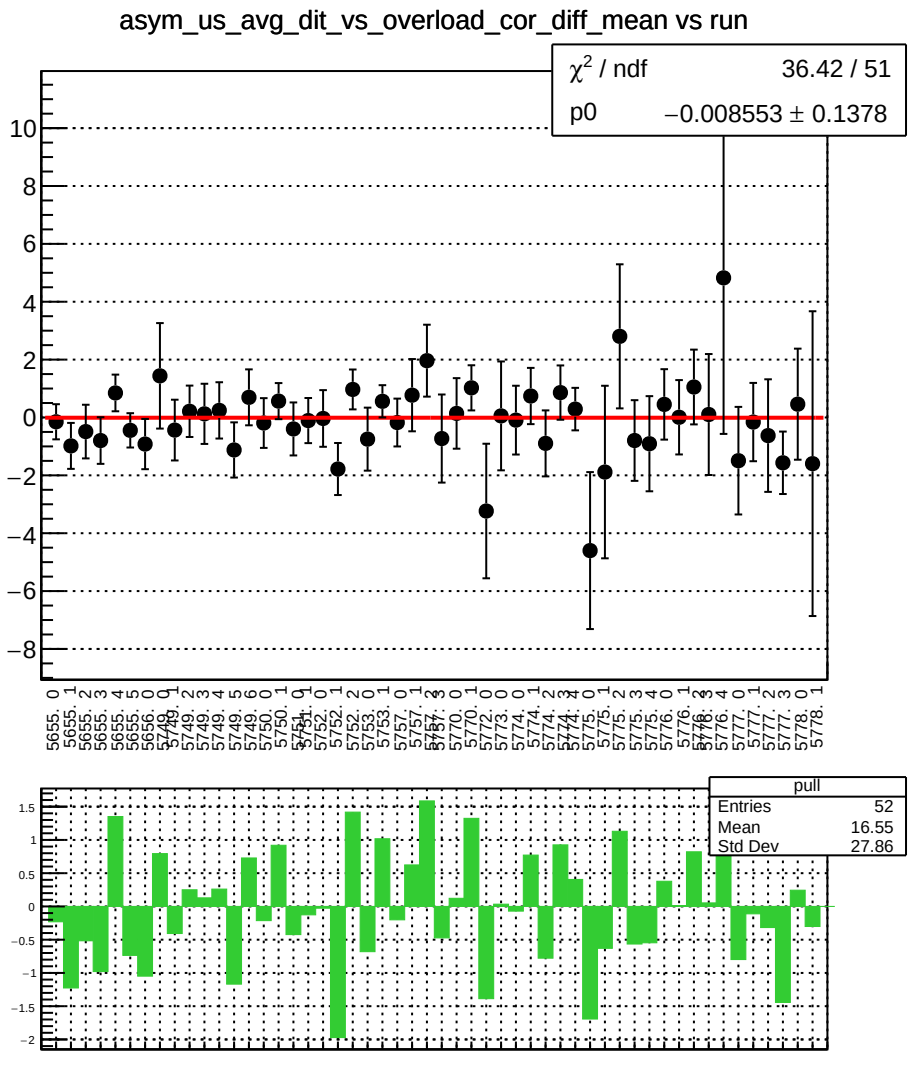

pull1D
Entries 52
Mean −0.04815
Std Dev 1.013

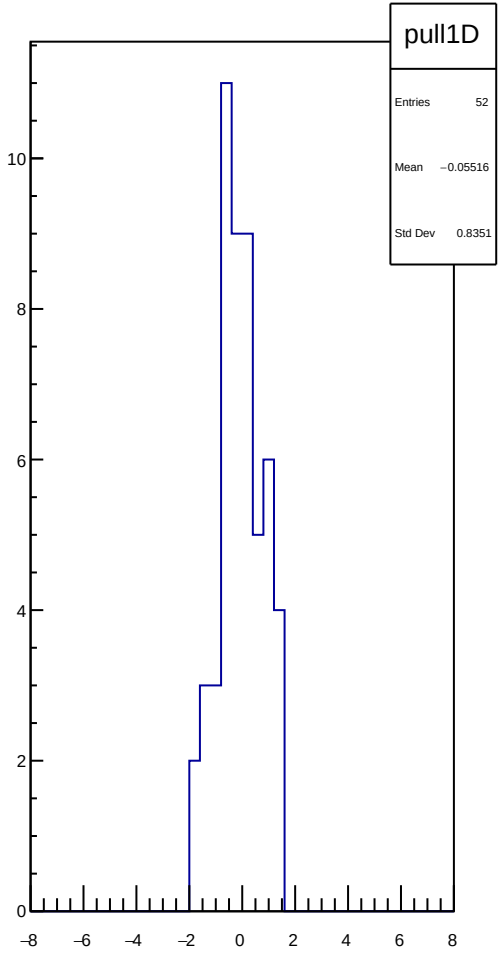

asym_us_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.067e+05 / 51
p0 63.59 ± 0.06742
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

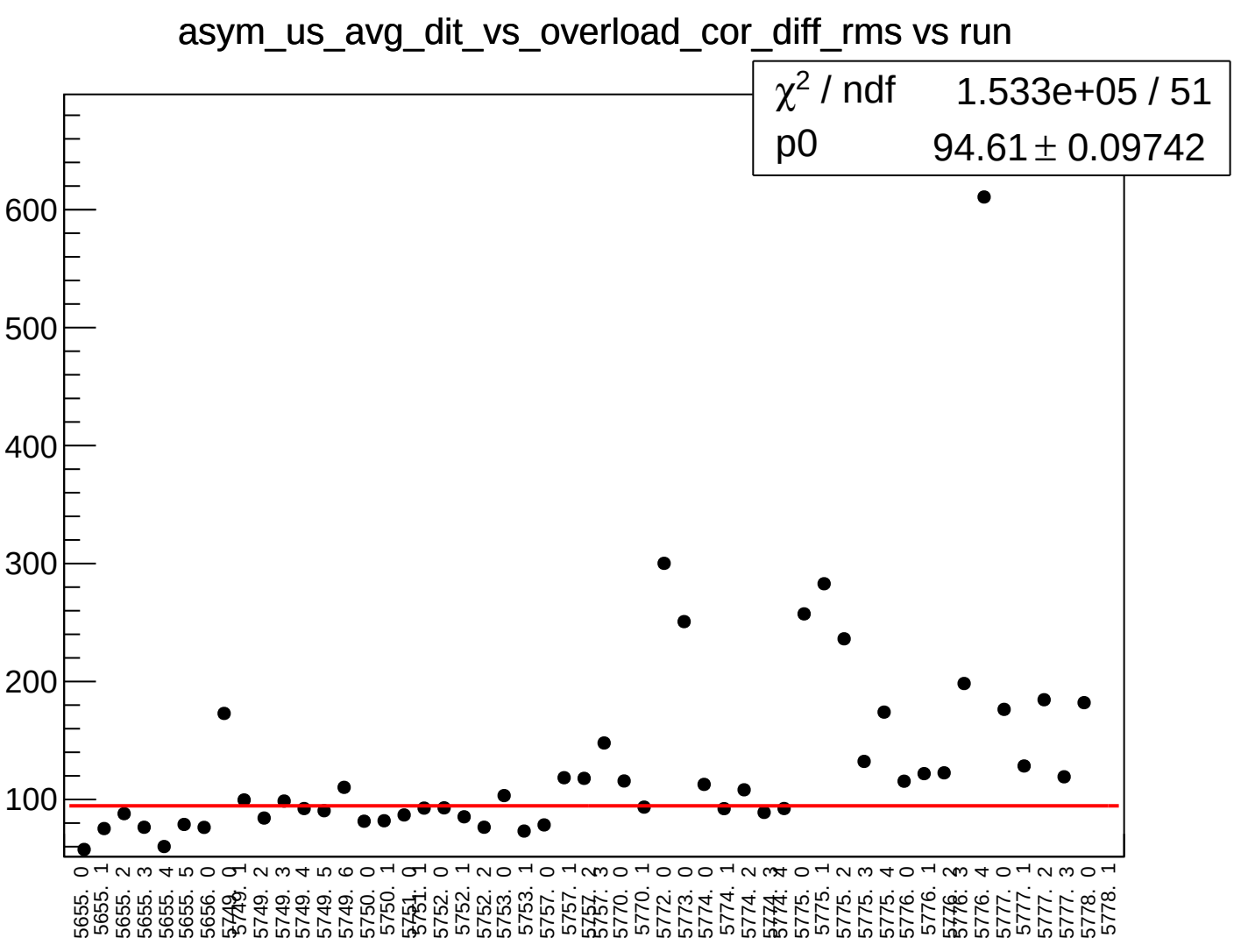

asym_us_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.47 / 51
p0 0.01202 ± 0.09534
pull
Entries 52
Mean 0.672
Std Dev 21.84

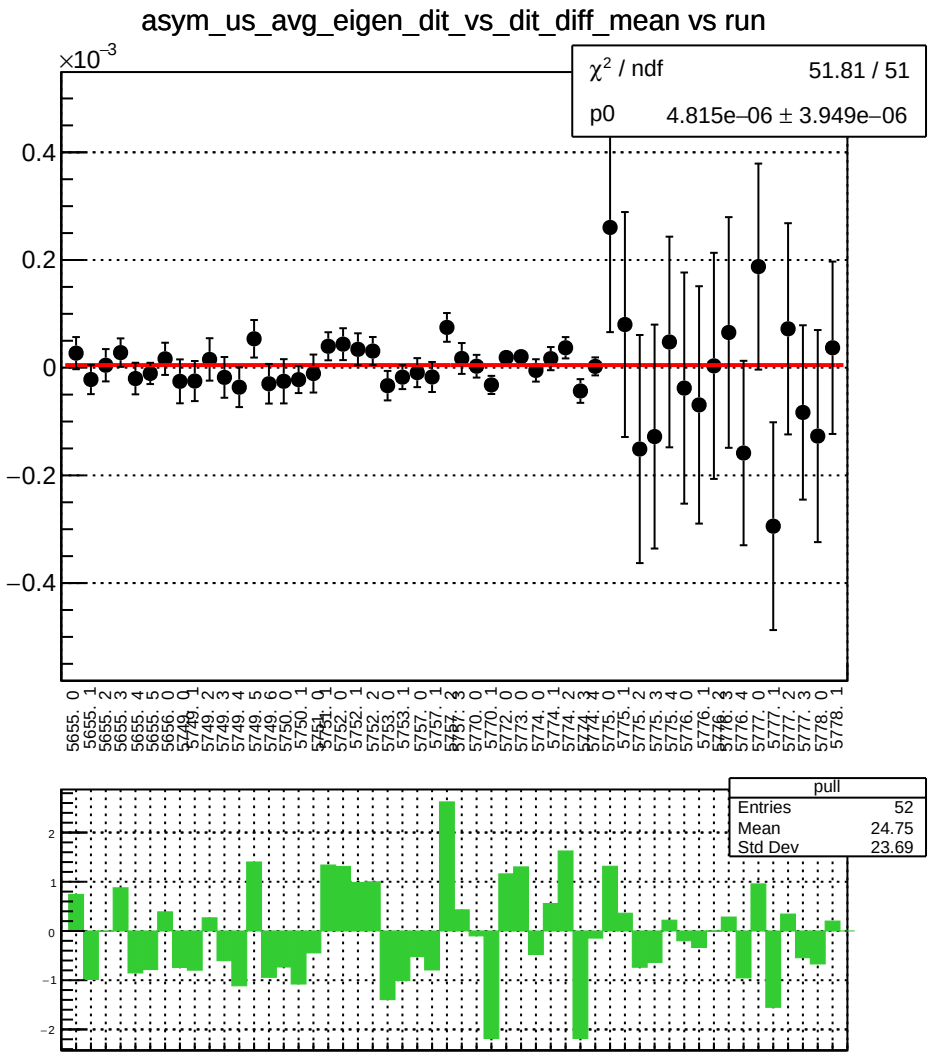

pull1D
Entries 52
Mean −0.04815
Std Dev 1.013

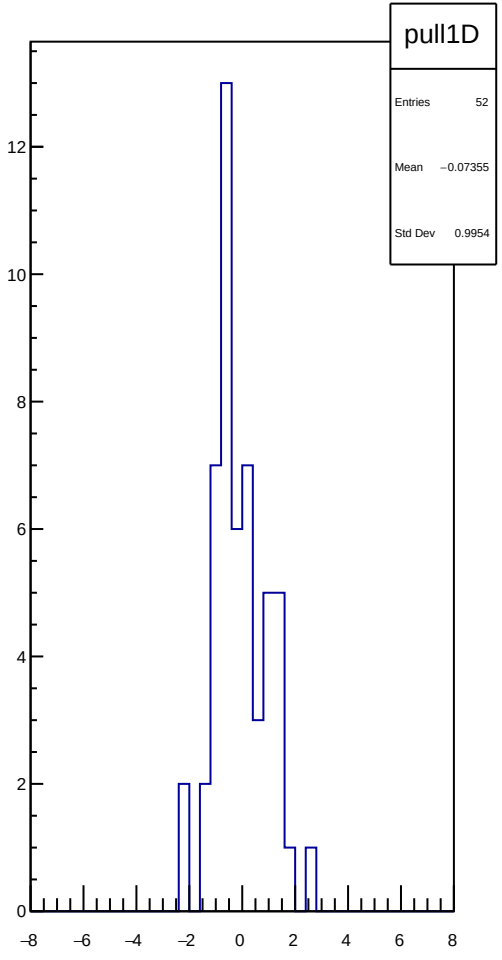

asym_us_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.067e+05 / 51
p0 63.59 ± 0.06742
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

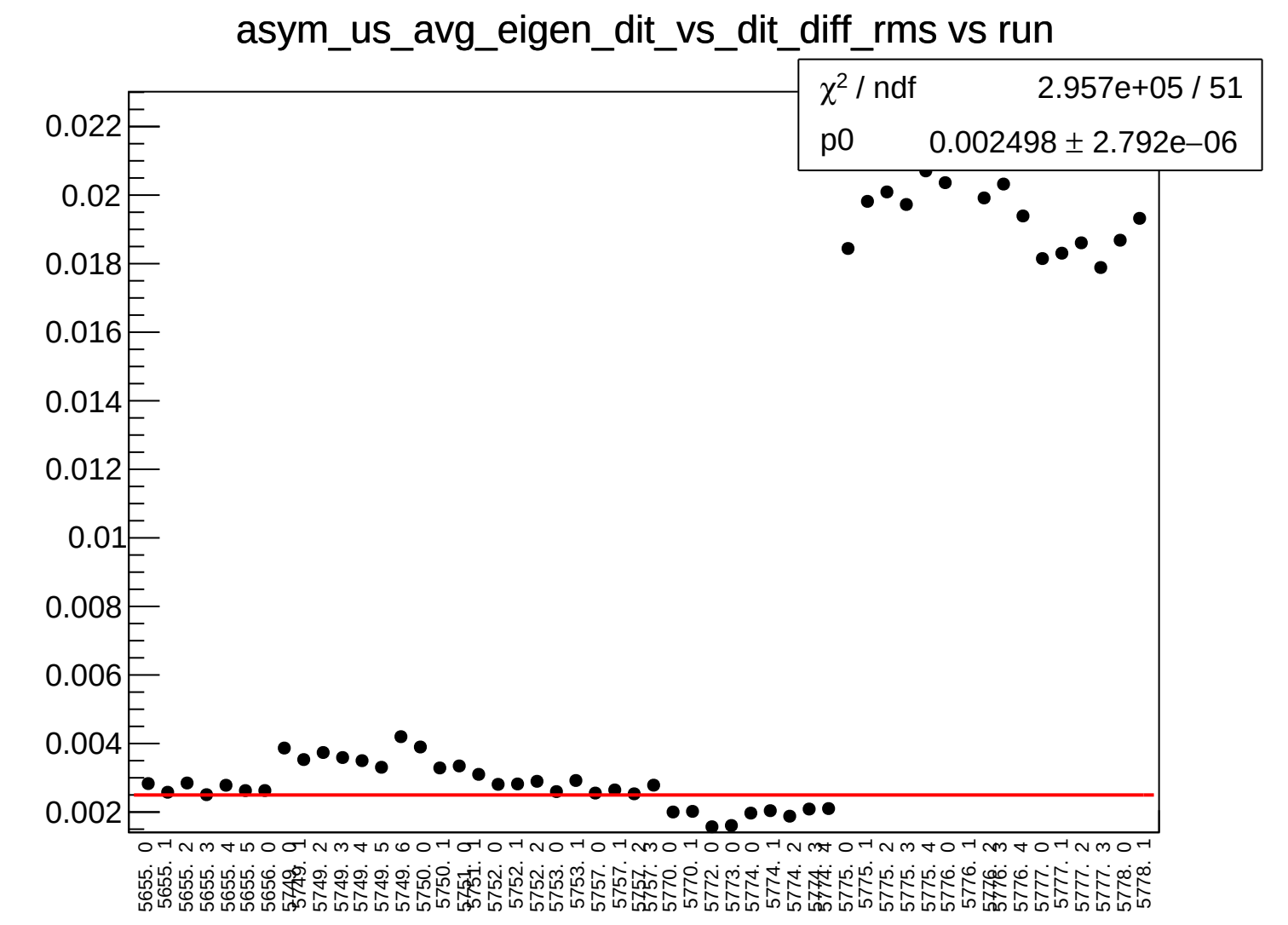

asym_us_avg_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 36.42 / 51
p0 −0.008553 ± 0.1378
pull
Entries 52
Mean 16.55
Std Dev 27.86

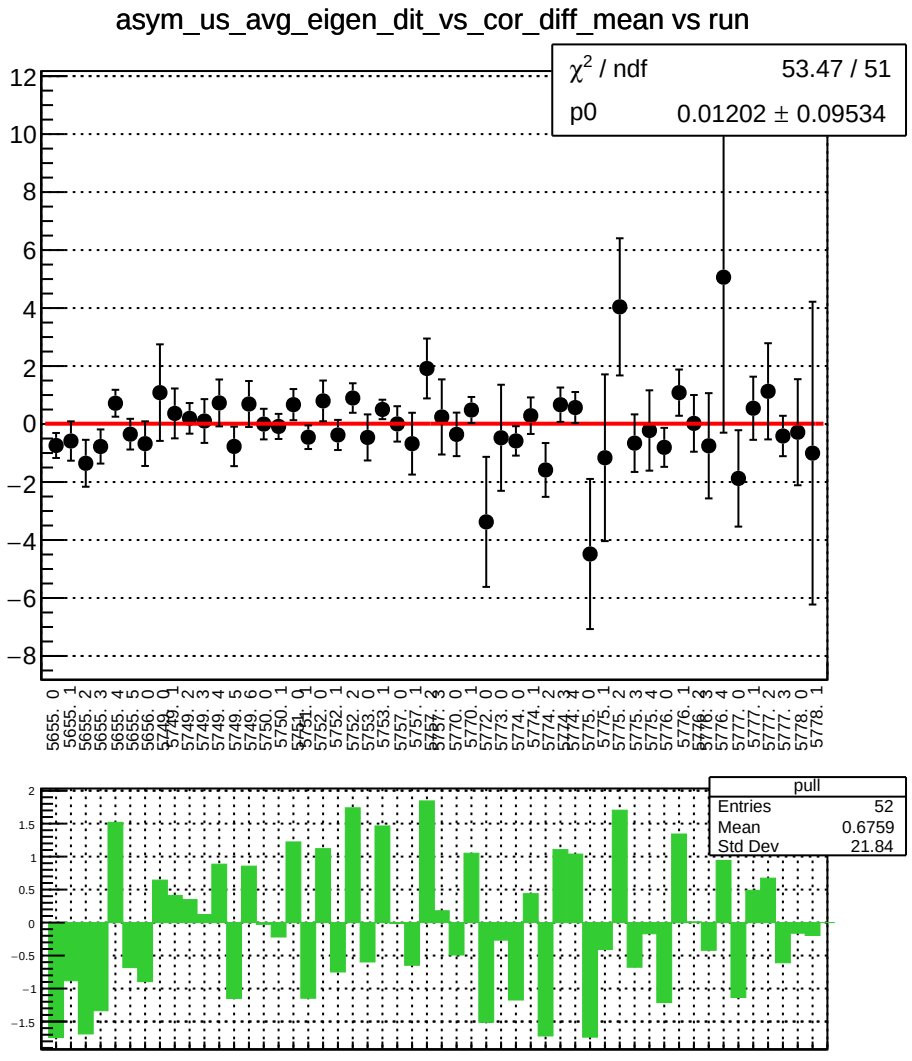

pull1D
Entries 52
Mean −0.05516
Std Dev 0.8351

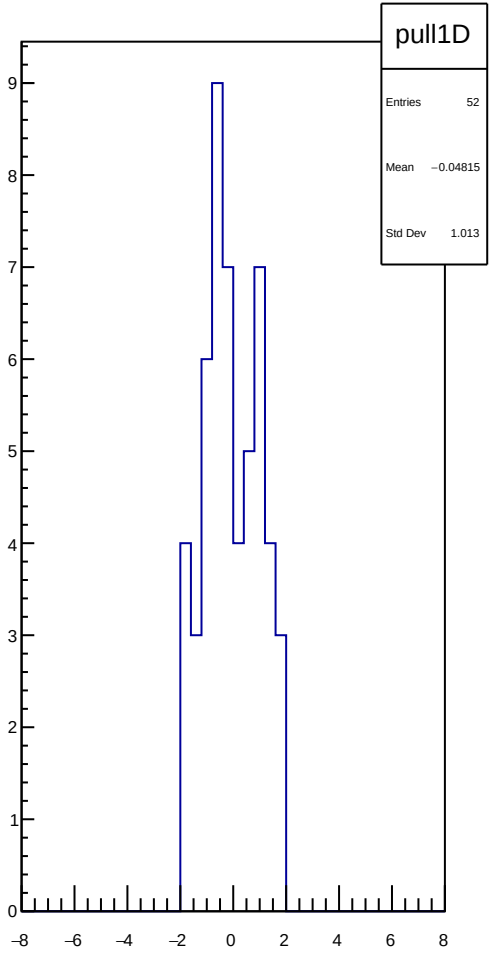

asym_us_avg_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.533e+05 / 51
p0 94.61 ± 0.09742
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

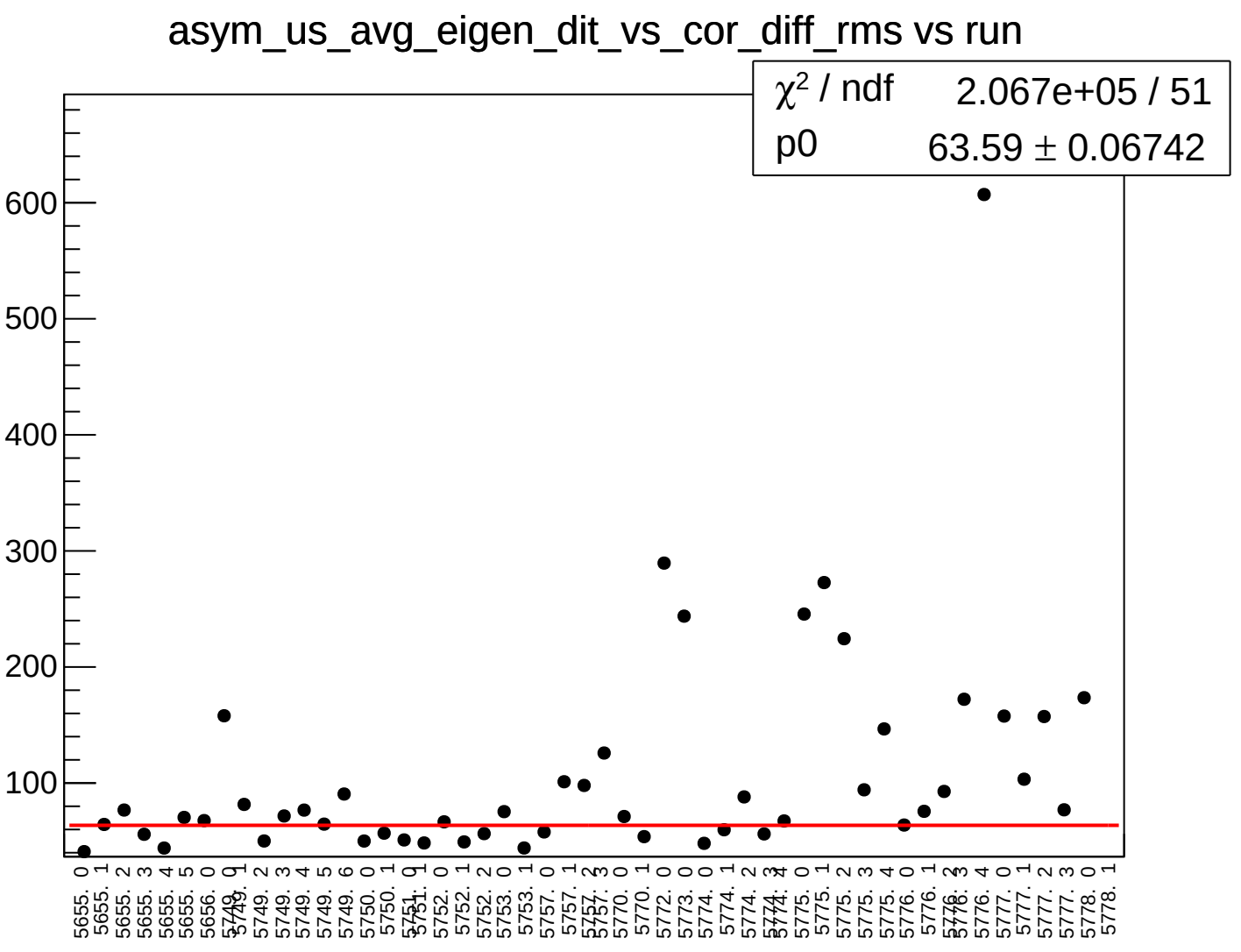

asym_us_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 51.81 / 51
p0 4.815e−06 ± 3.949e−06
pull
Entries 52
Mean 24.75
Std Dev 23.69

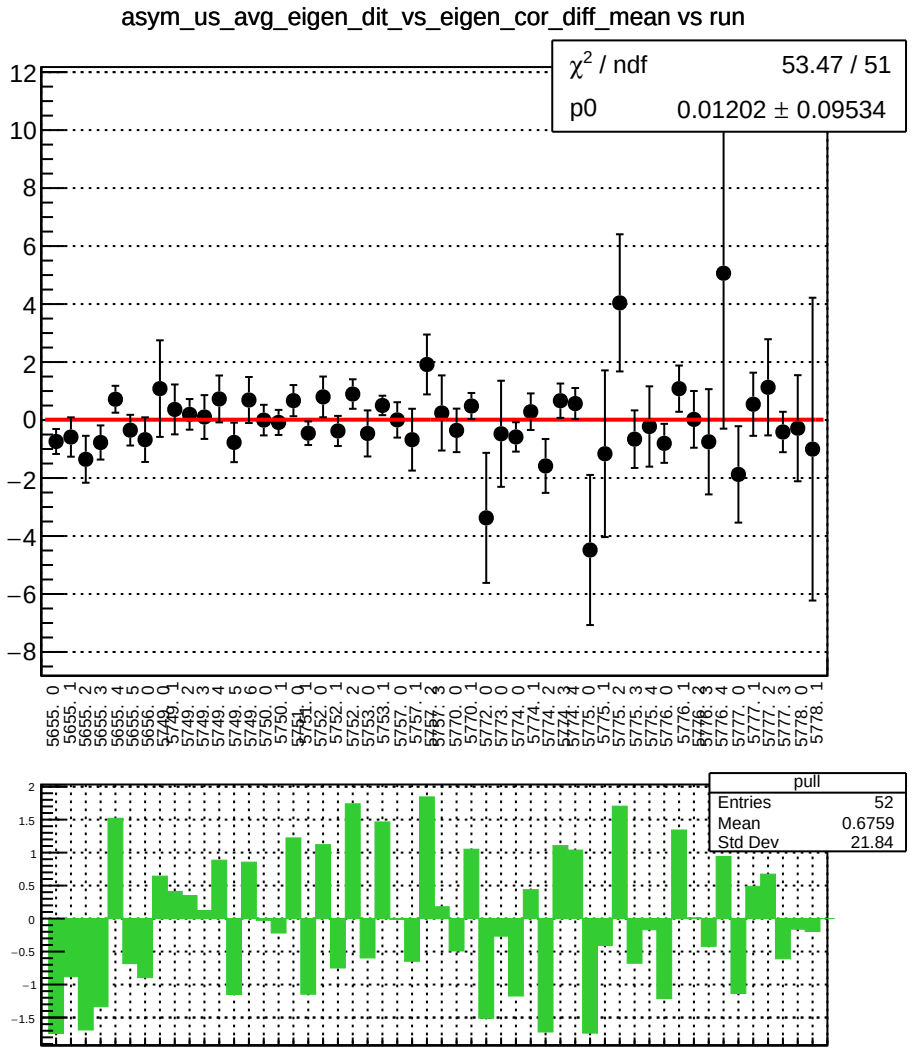

pull1D
Entries 52
Mean −0.07355
Std Dev 0.9954

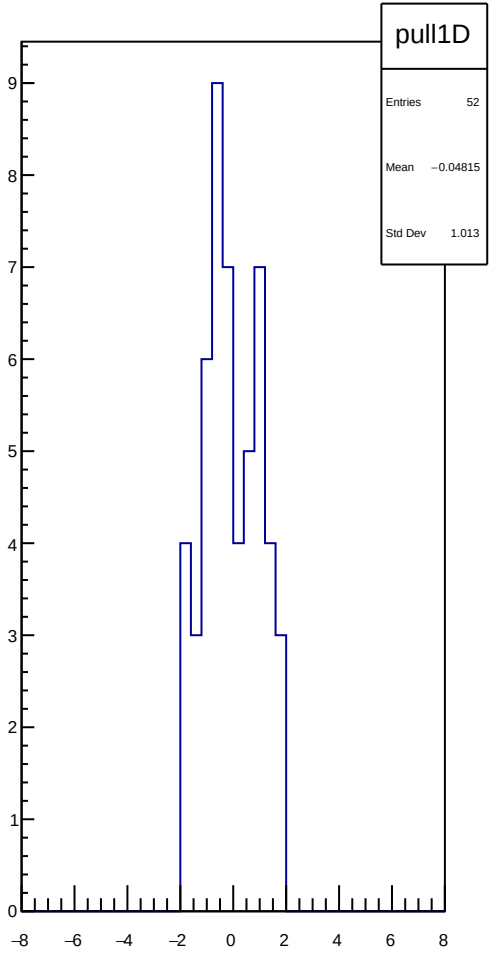

asym_us_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.957e+05 / 51
p0 0.002498 ± 2.792e−06
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

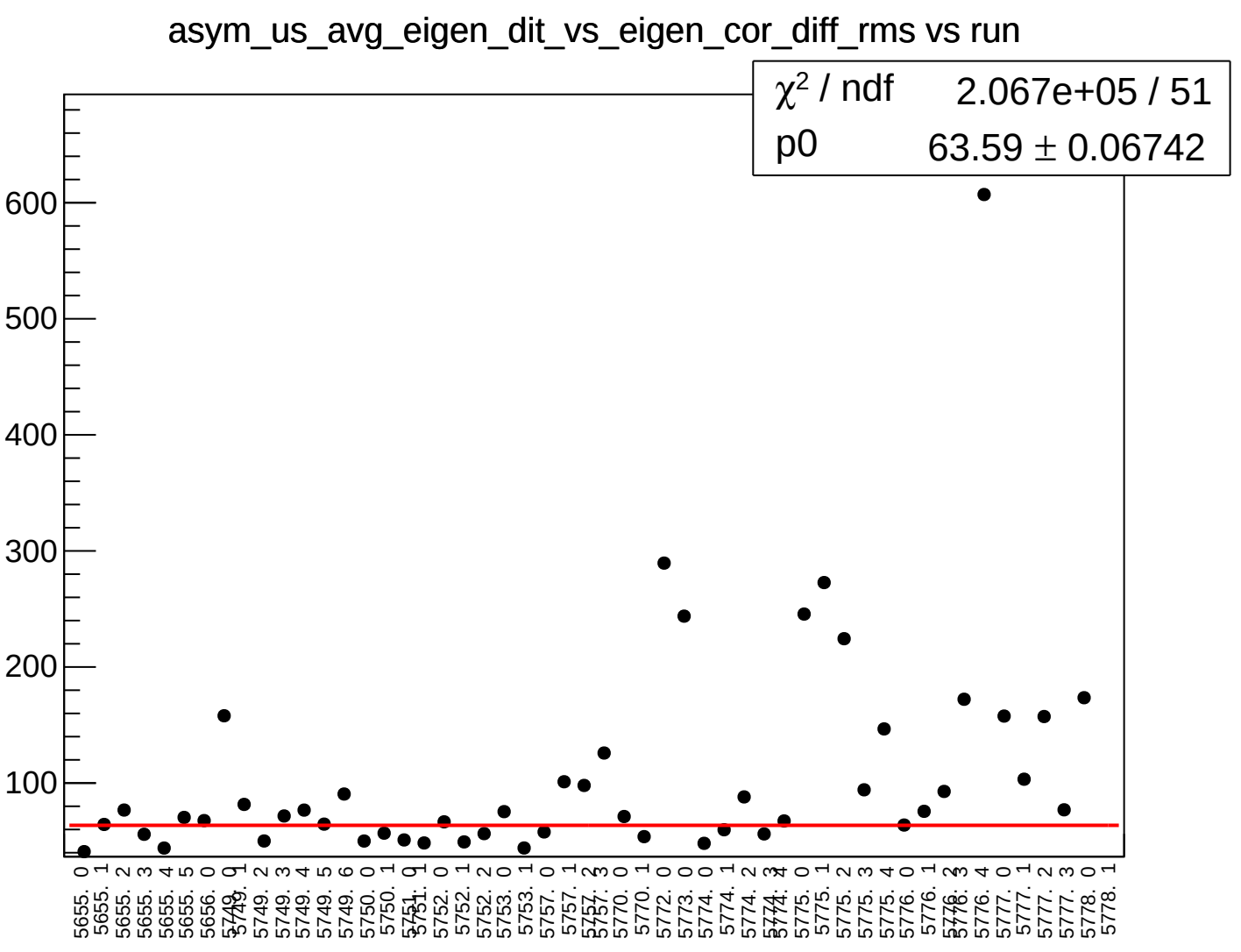

asym_us_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.47 / 51
p0 0.01202 ± 0.09534
pull
Entries 52
Mean 0.6759
Std Dev 21.84

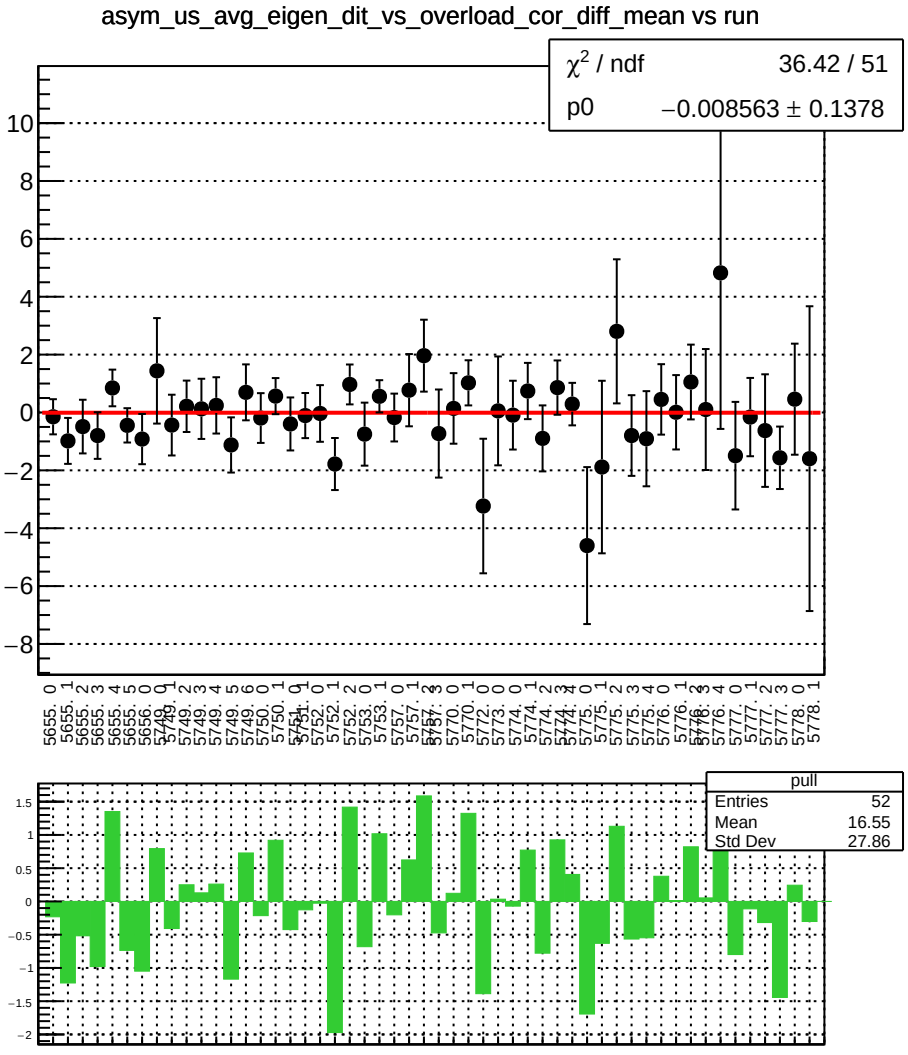

pull1D
Entries 52
Mean −0.04815
Std Dev 1.013

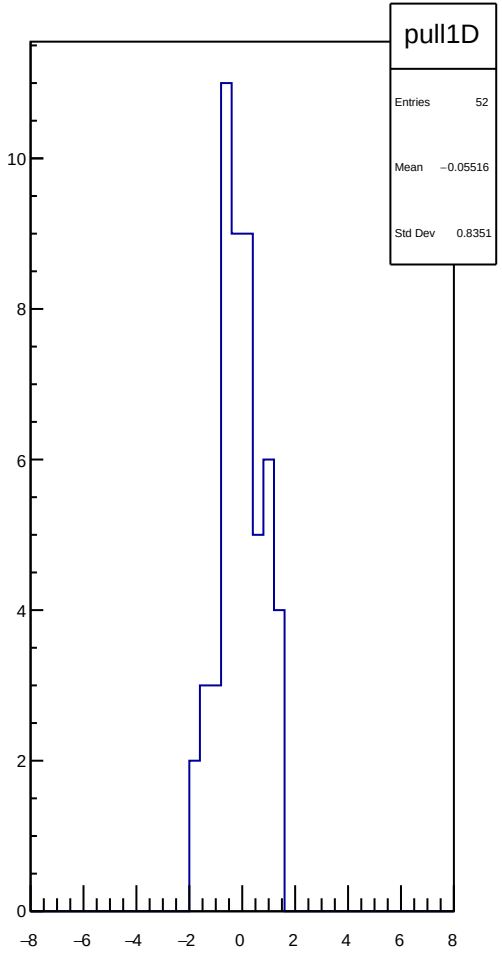

asym_us_avg_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.067e+05 / 51
p0 63.59 ± 0.06742
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

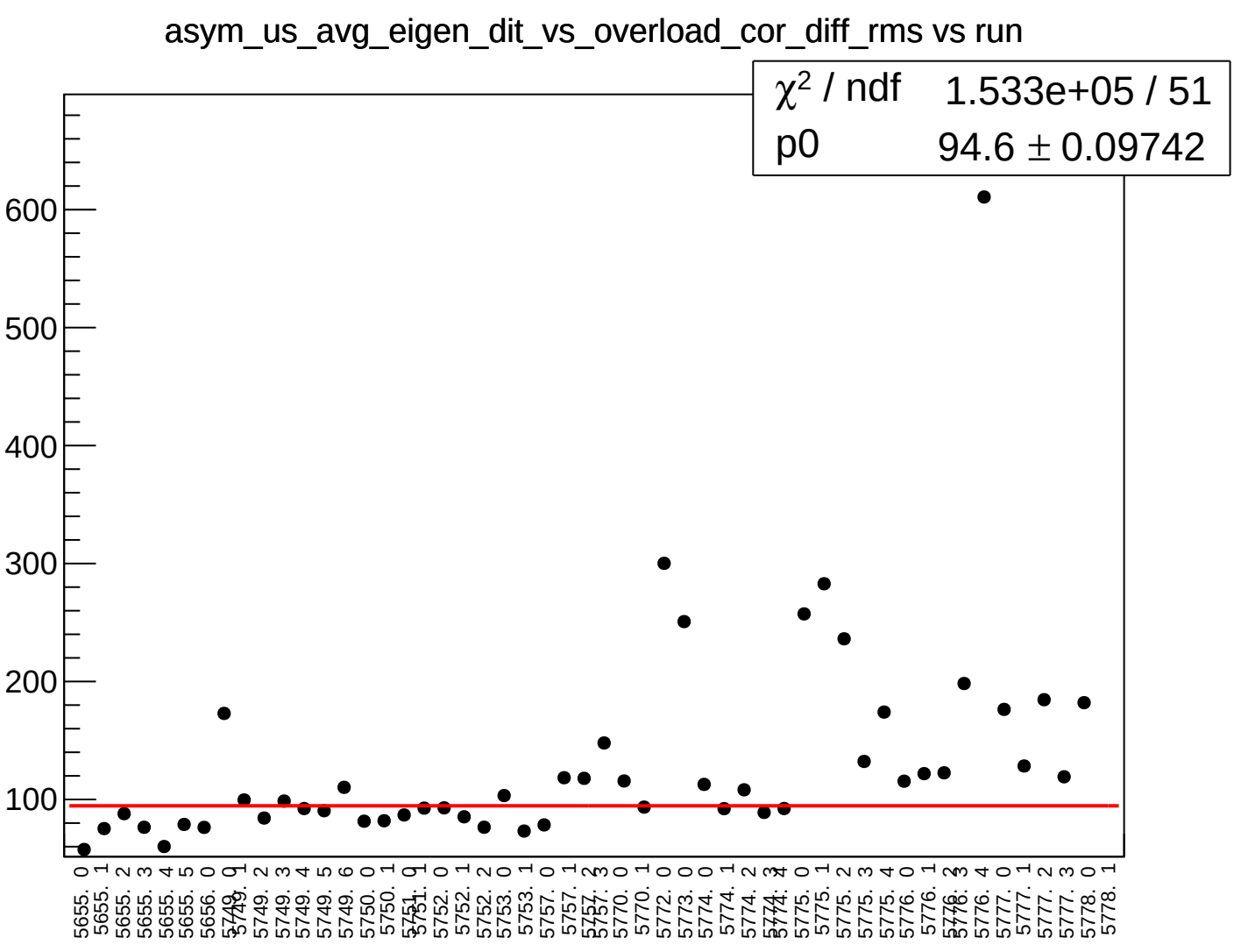

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.47 / 51
p0 0.01202 ± 0.09534
pull
Entries 52
Mean 0.6759
Std Dev 21.84

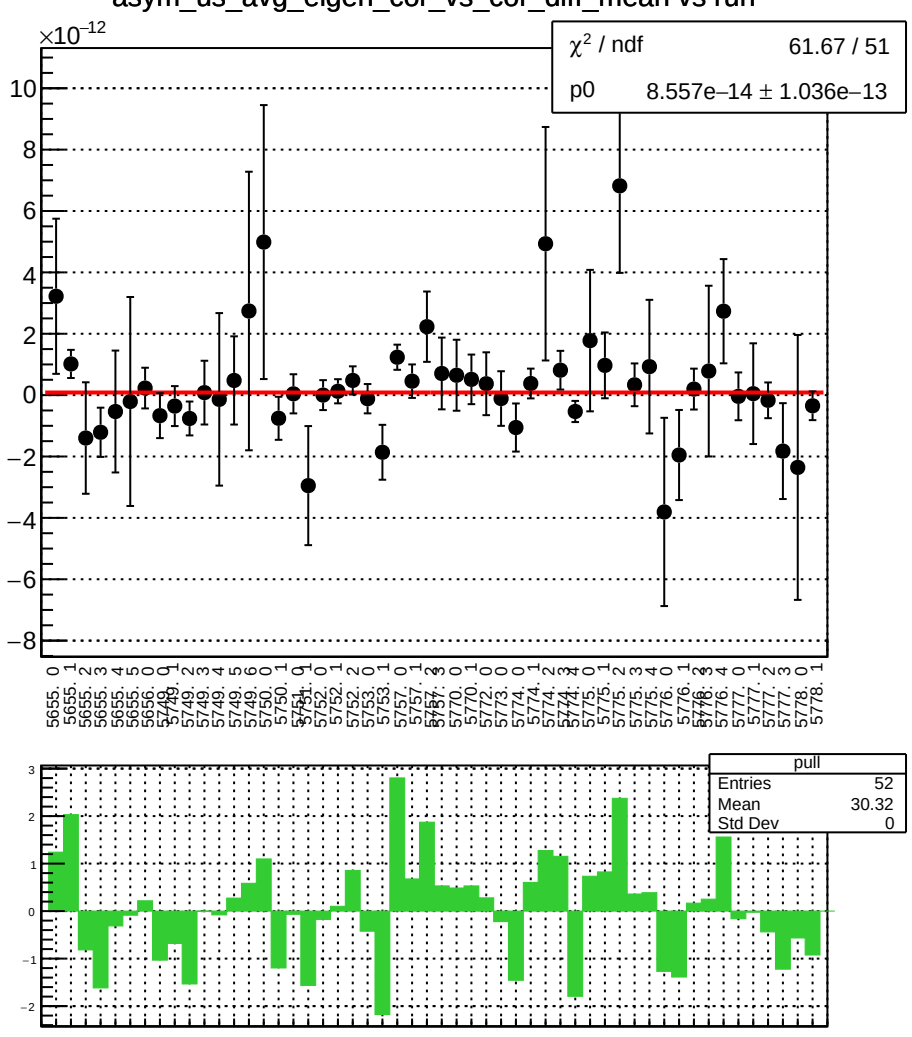

pull1D
Entries 52
Mean −0.04815
Std Dev 1.013

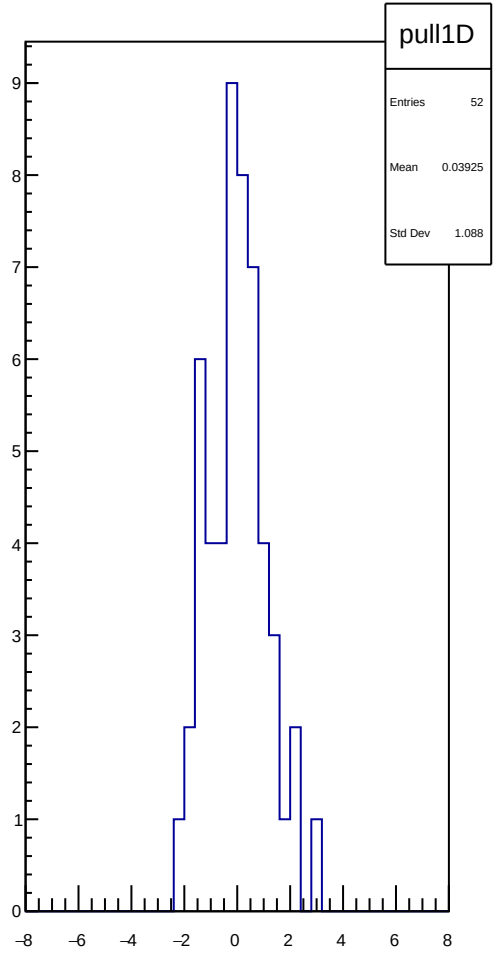

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.067e+05 / 51
p0 63.59 ± 0.06742
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

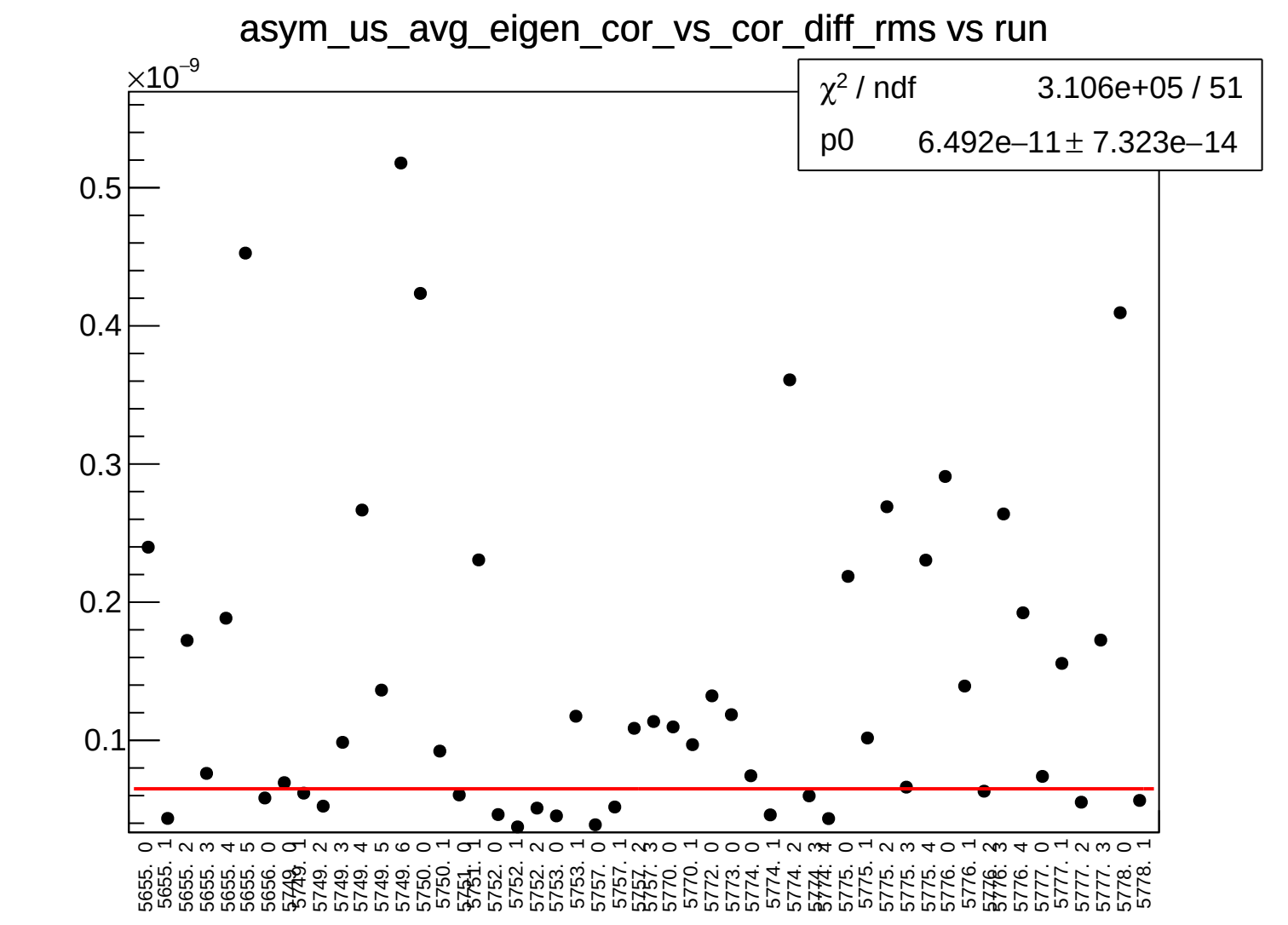

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 36.42 / 51
p0 −0.008563 ± 0.1378
pull
Entries 52
Mean 16.55
Std Dev 27.86

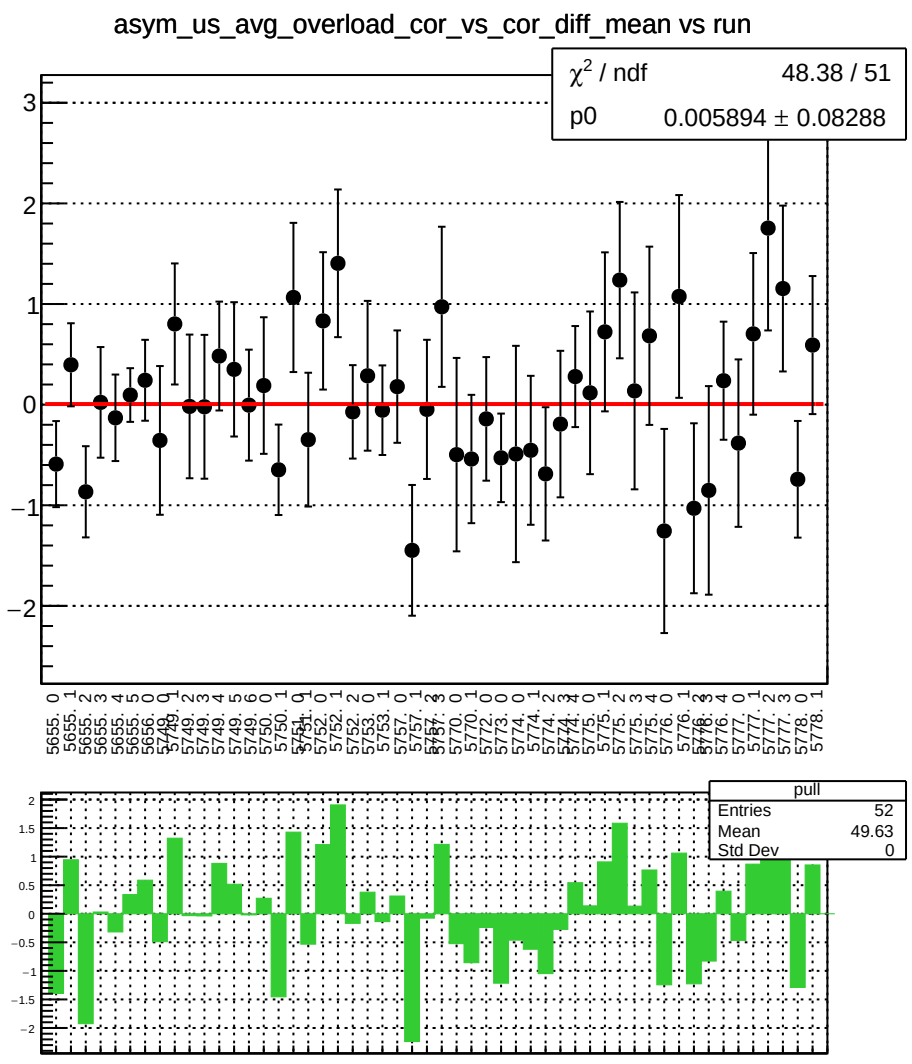

pull1D
Entries 52
Mean −0.05516
Std Dev 0.8351

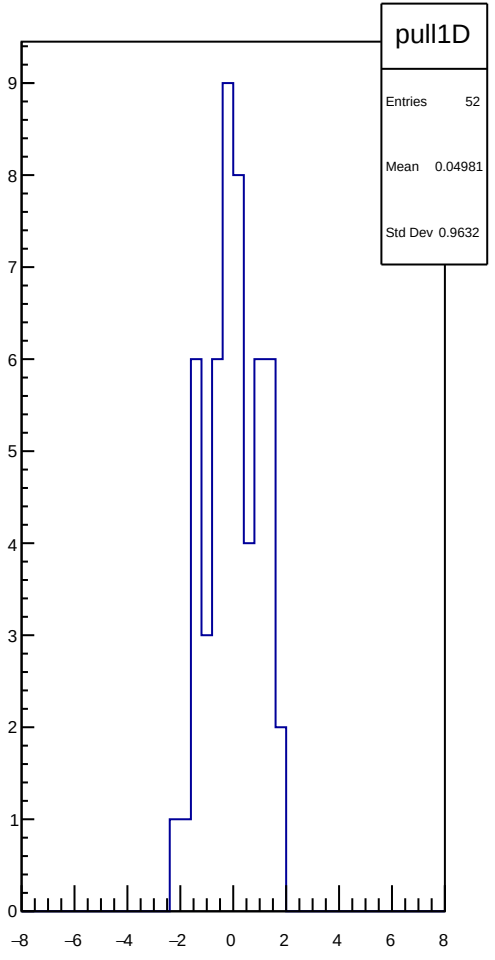

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.533e+05 / 51
p0 94.6 ± 0.09742
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

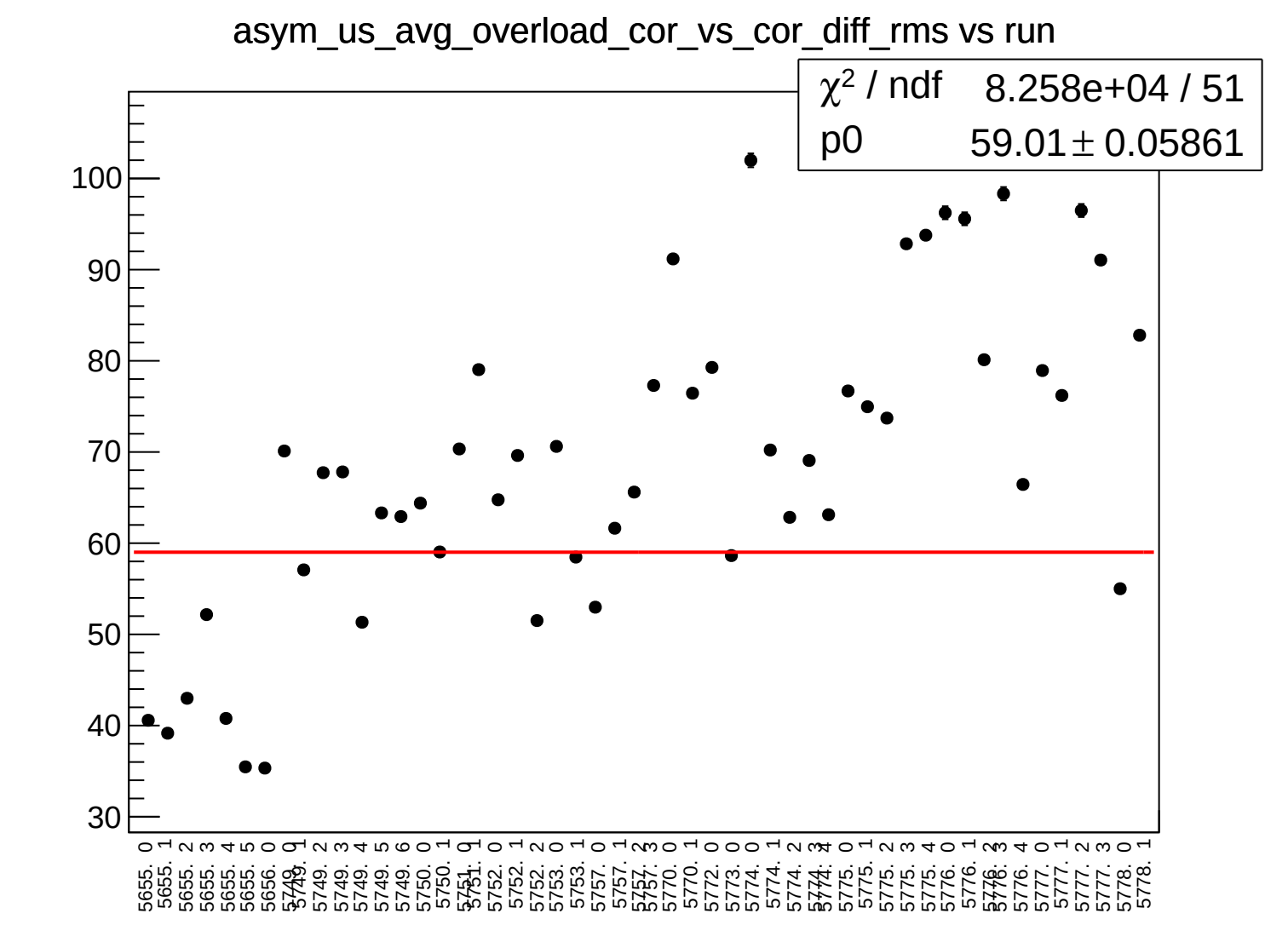

asym_us_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 61.67 / 51
p0 8.557e−14 ± 1.036e−13
pull
Entries 52
Mean 30.32
Std Dev 0

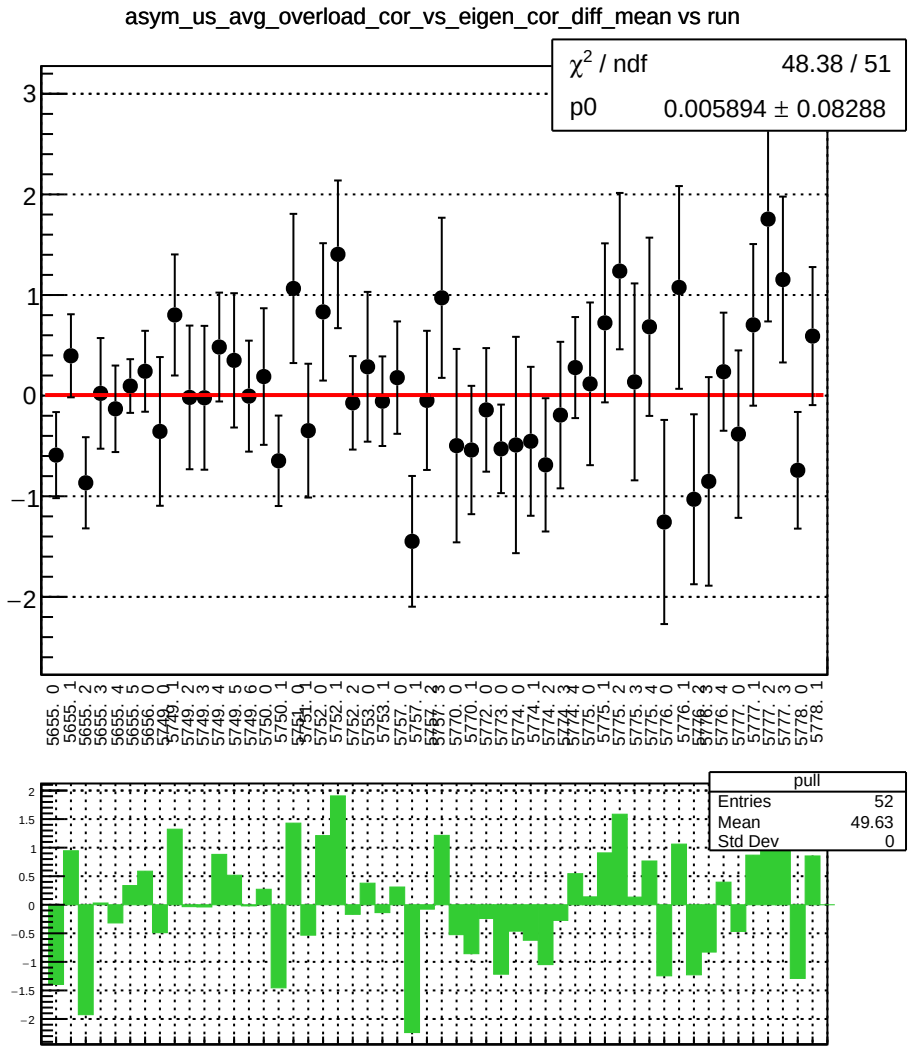

pull1D
Entries 52
Mean 0.03925
Std Dev 1.088

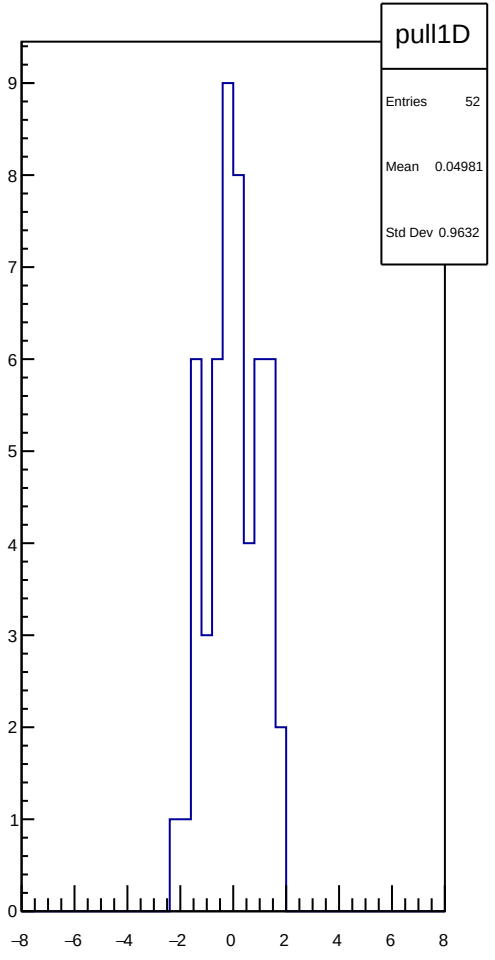

asym_us_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.106e+05 / 51
p0 6.492e−11 ± 7.323e−14
0.5
0.4
0.3
0.2
0.1
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

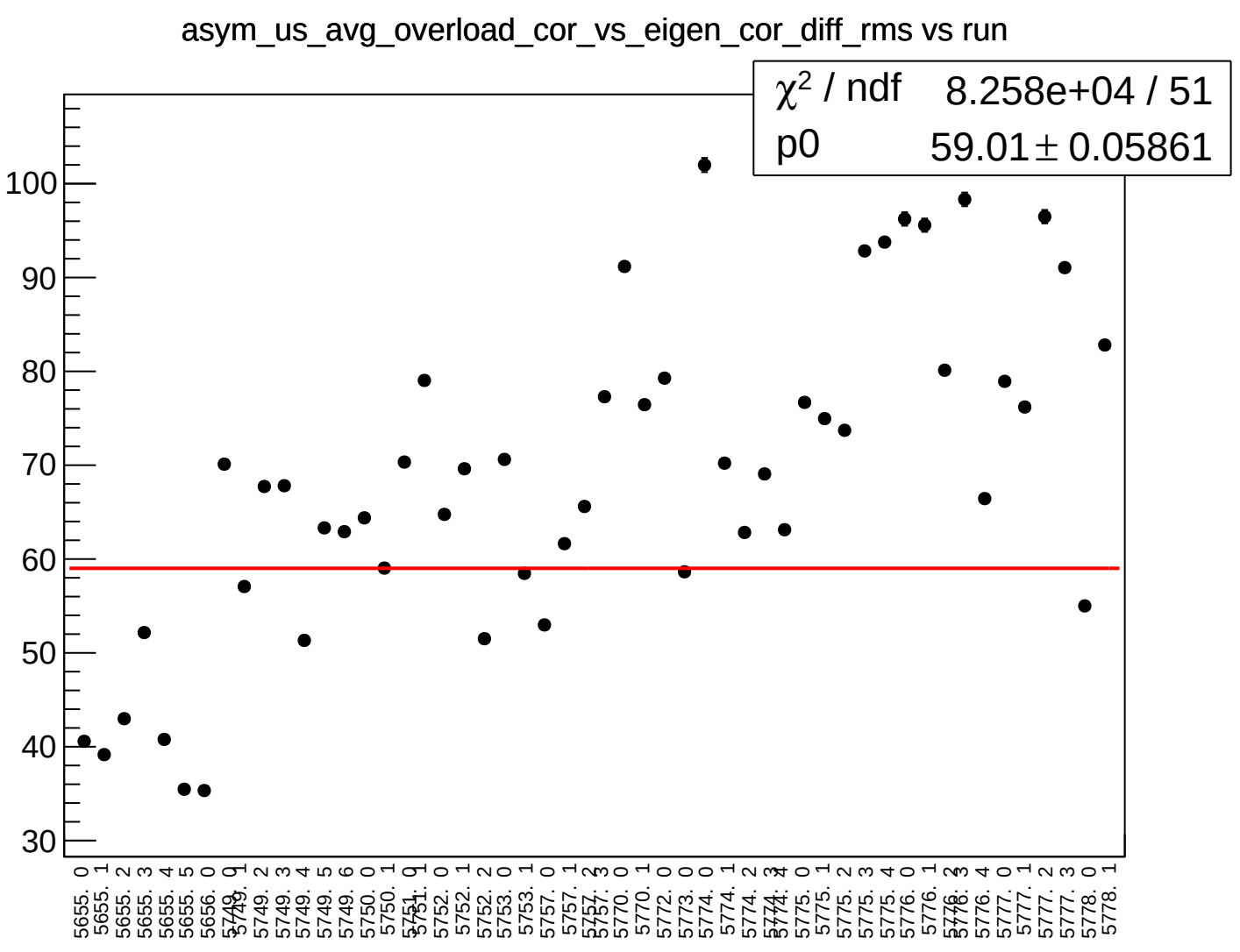

asym_us_avg_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 48.38 / 51
p0 0.005894 ± 0.08288
pull
Entries 52
Mean 49.63
Std Dev 0

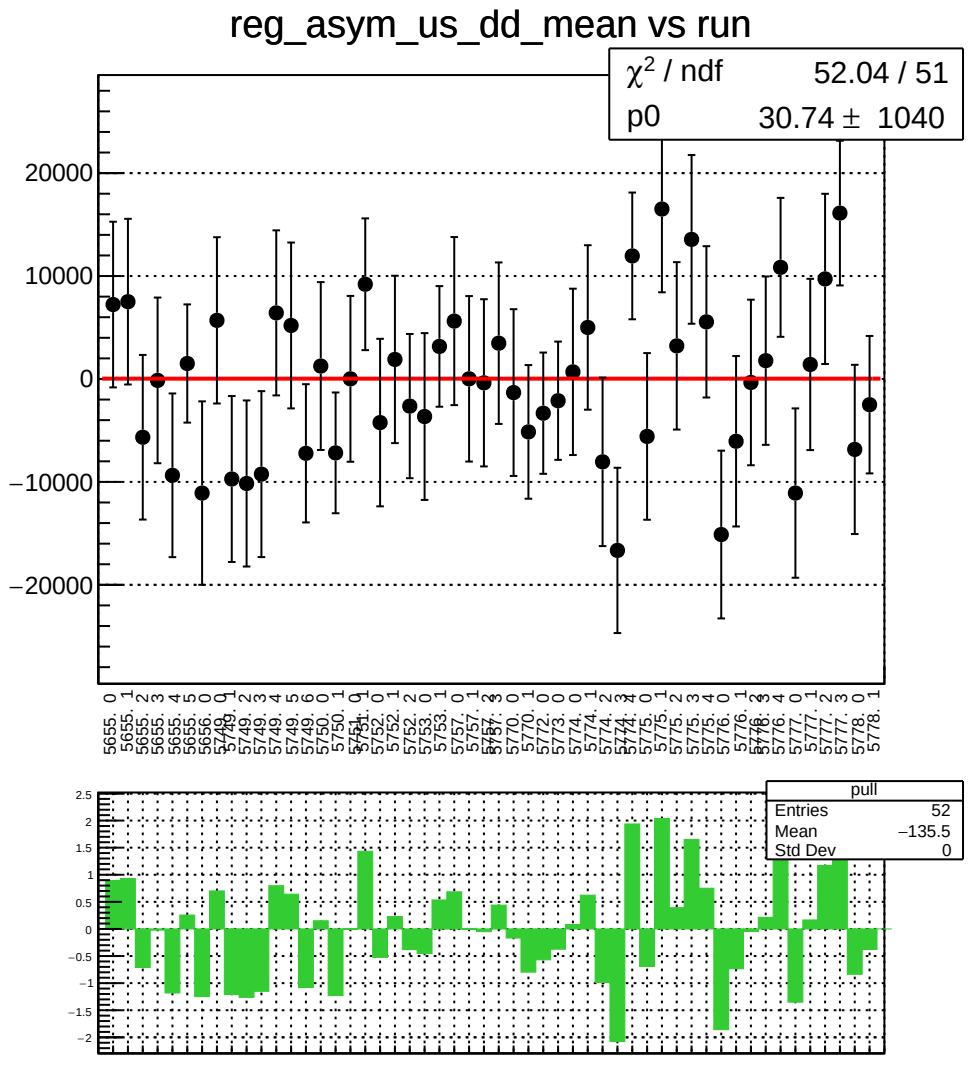

pull1D
Entries 52
Mean 0.04981
Std Dev 0.9632

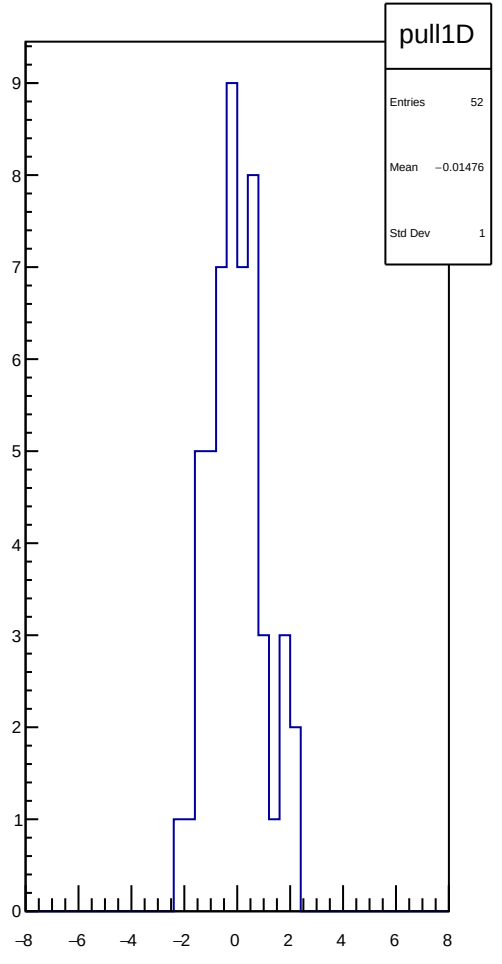

asym_us_avg_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 8.258e+04 / 51
p0 59.01 ± 0.05861
100
90
80
70
60
50
40
30
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

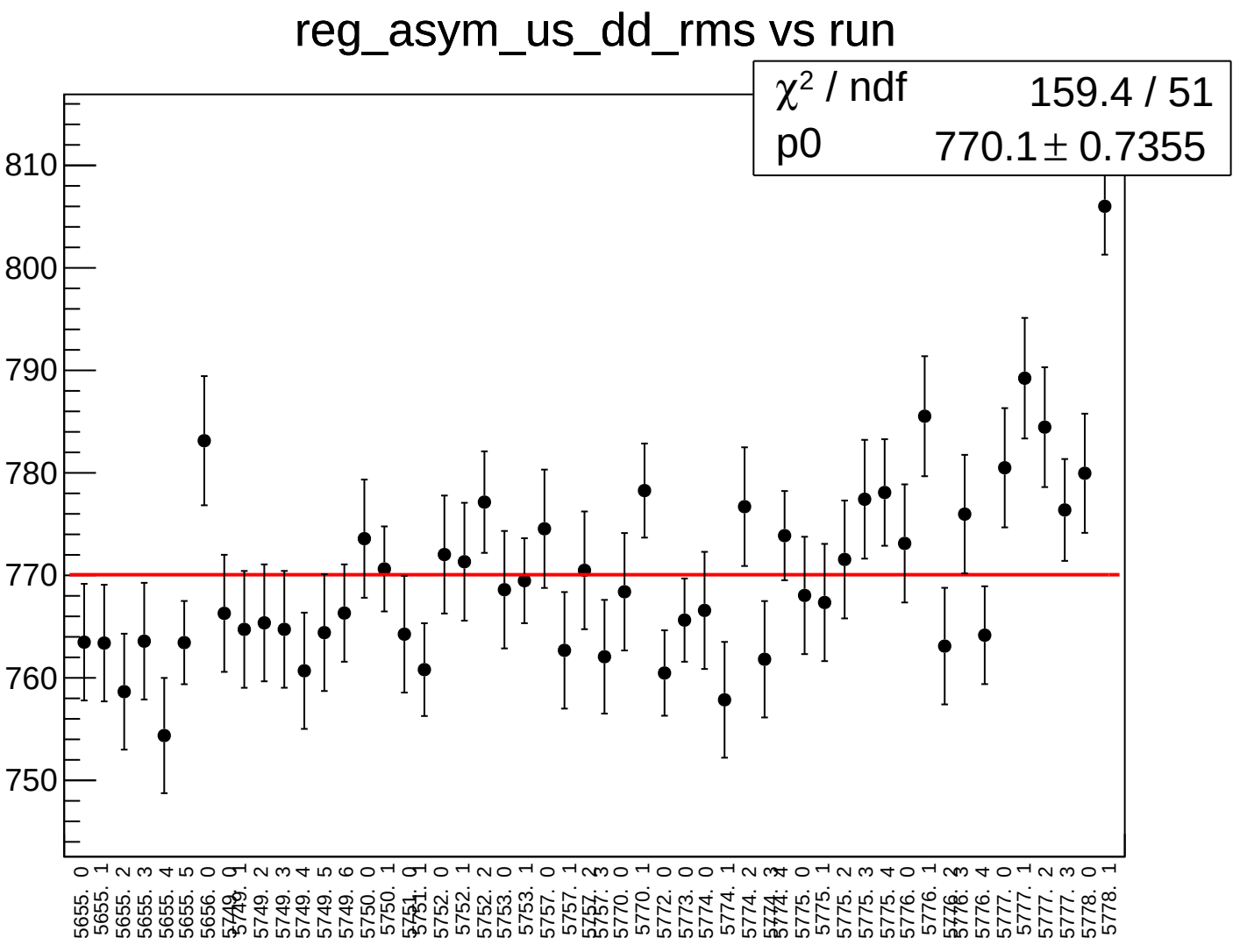

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.38 / 51
p0 0.005894 ± 0.08288
pull
Entries 52
Mean 49.63
Std Dev 0

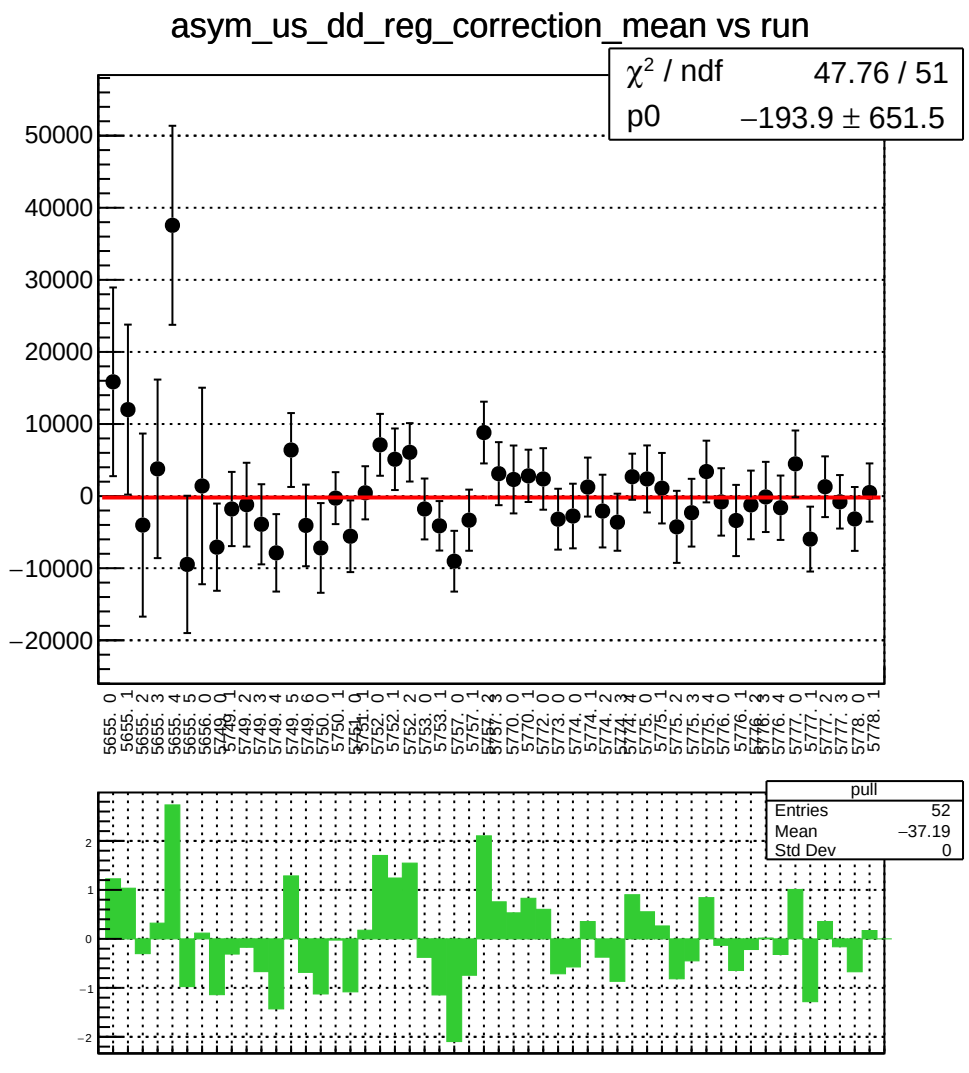

pull1D
Entries 52
Mean 0.04981
Std Dev 0.9632

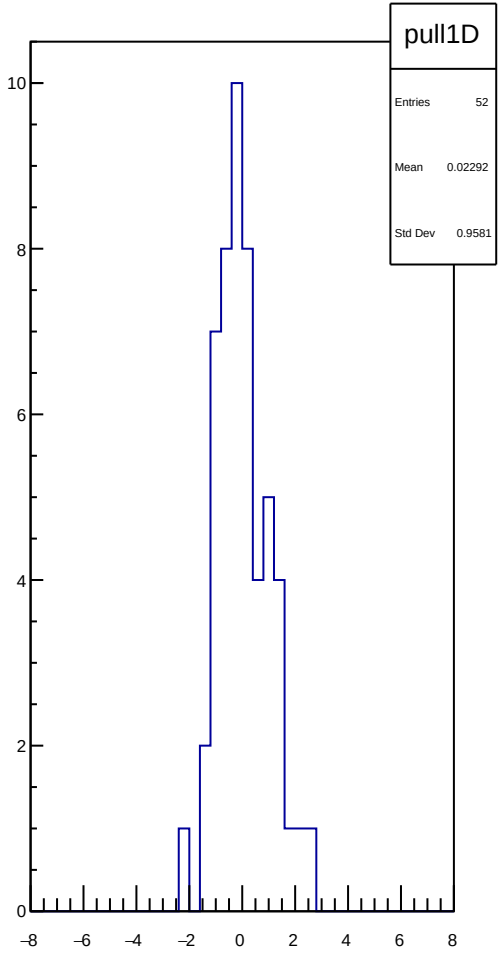

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.258e+04 / 51
p0 59.01 ± 0.05861
100
90
80
70
60
50
40
30
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

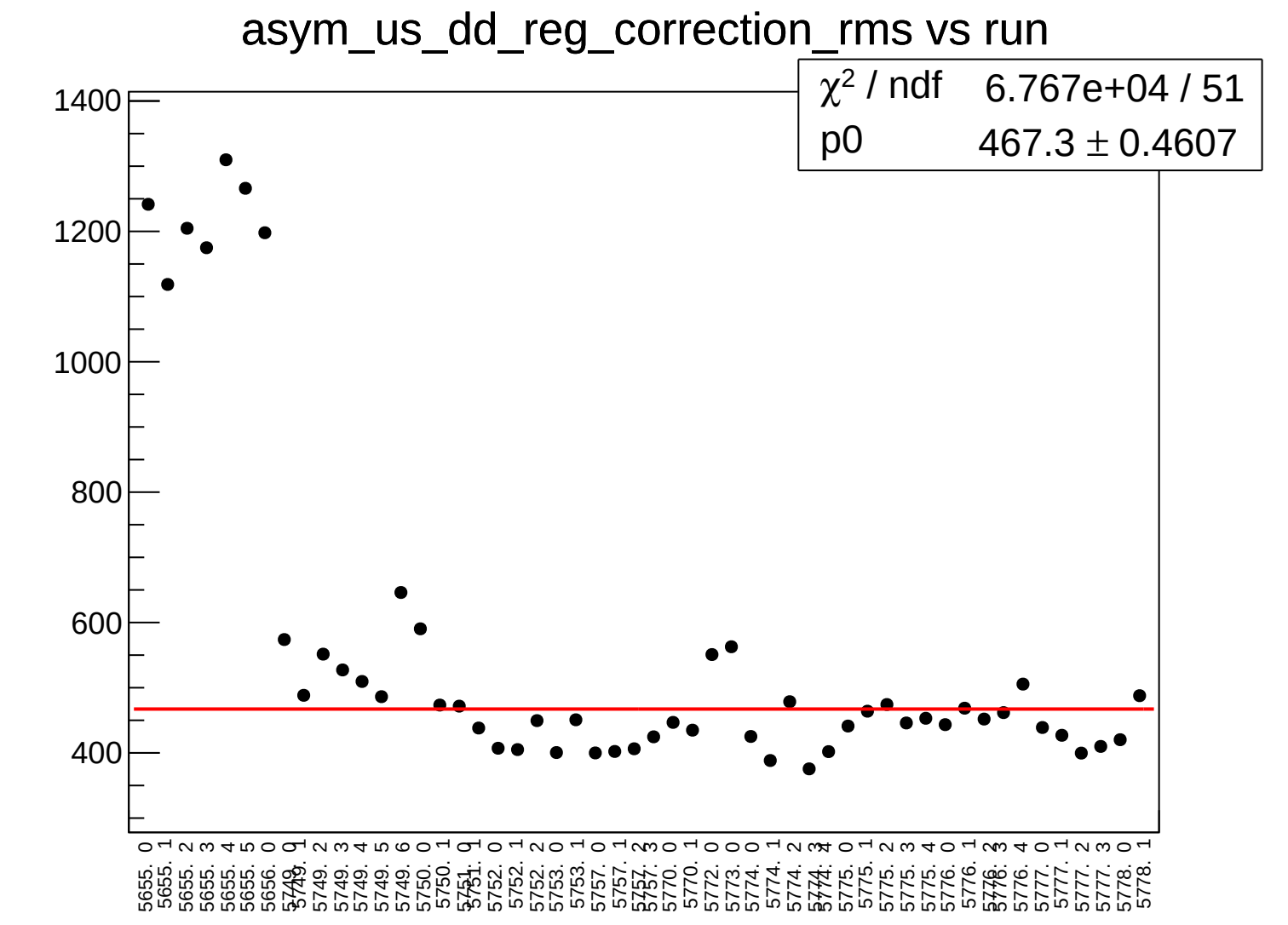

reg_asym_us_dd_mean vs run
χ² / ndf 52.04 / 51
p0 30.74 ± 1040
20000
10000
0
−10000
−20000
pull
Entries 52
Mean −135.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean −0.01476
Std Dev 1
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_us_dd_rms vs run
χ² / ndf 159.4 / 51
p0 770.1 ± 0.7355
810
800
790
780
770
760
750
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_dd_reg_correction_mean vs run
χ² / ndf 47.76 / 51
p0 −193.9 ± 651.5
pull
Entries 52
Mean −37.19
Std Dev 0


pull1D
Entries 52
Mean 0.02292
Std Dev 0.9581


asym_us_dd_reg_correction_rms vs run
χ² / ndf 6.767e+04 / 51
p0 467.3 ± 0.4607
1400
1200
1000
800
600
400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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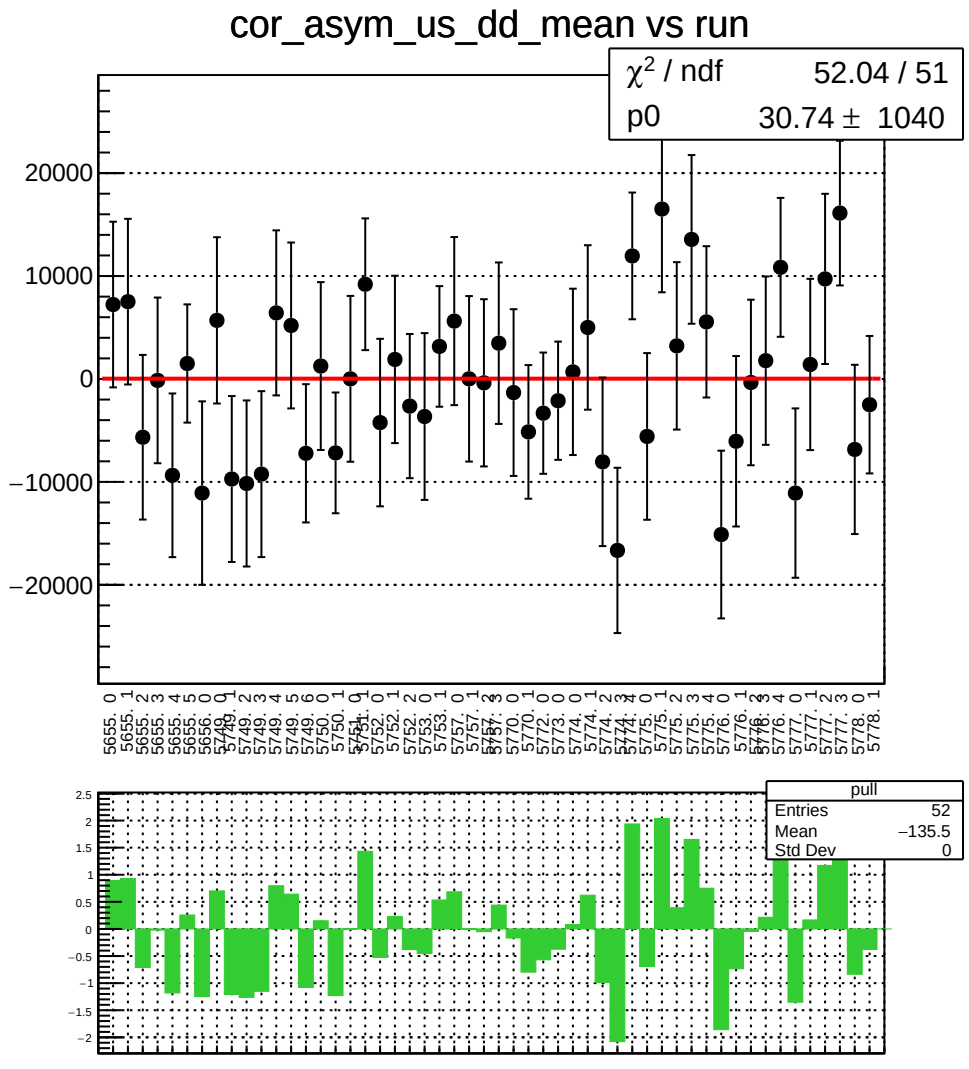
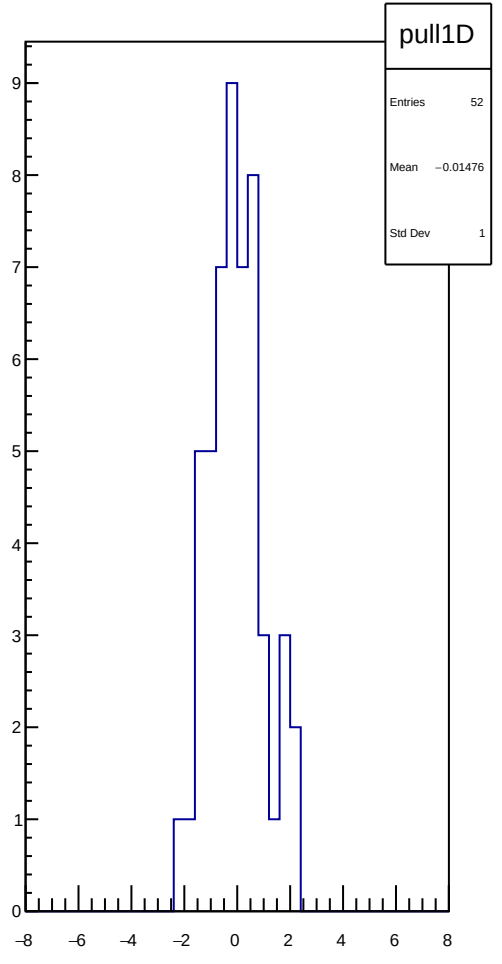
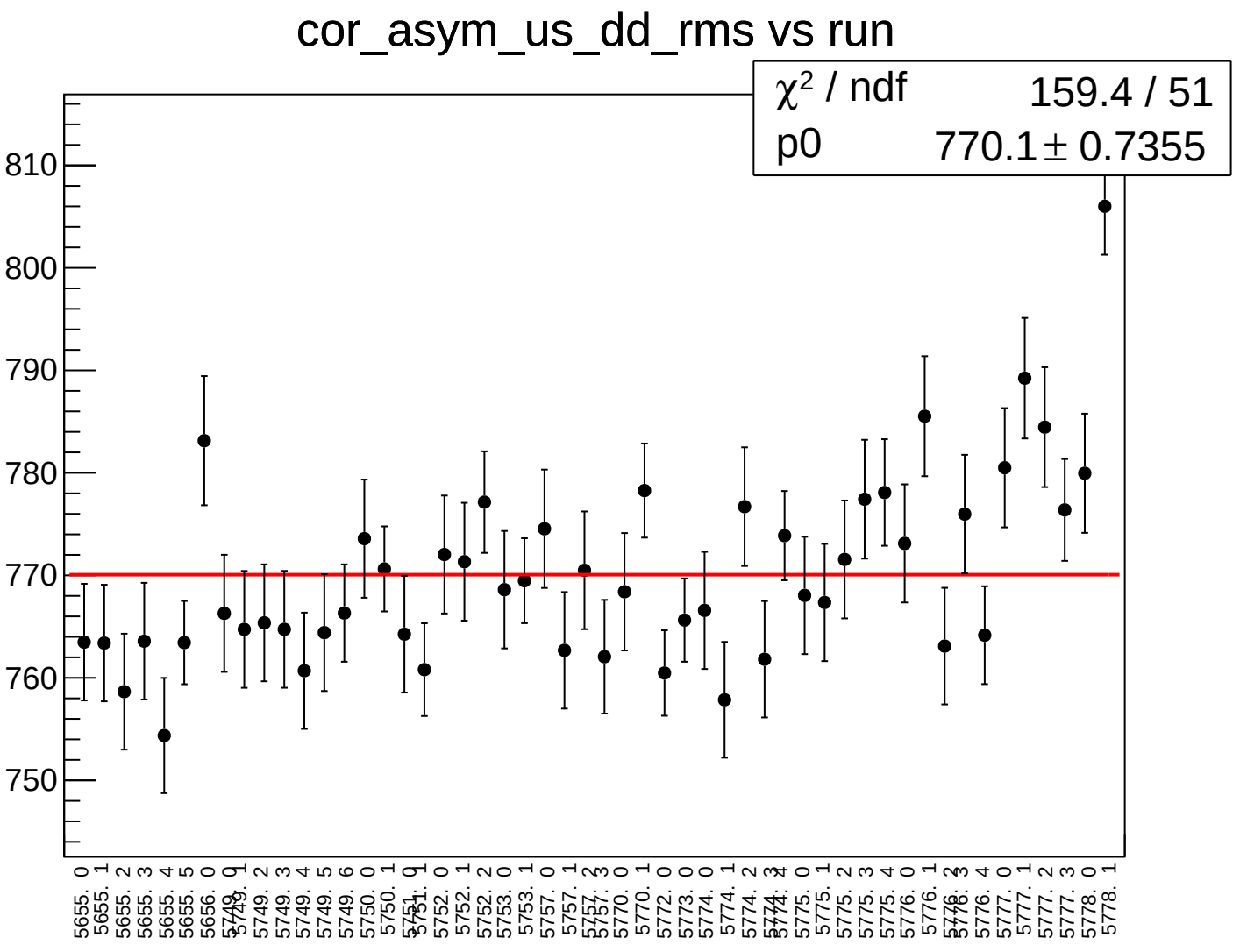
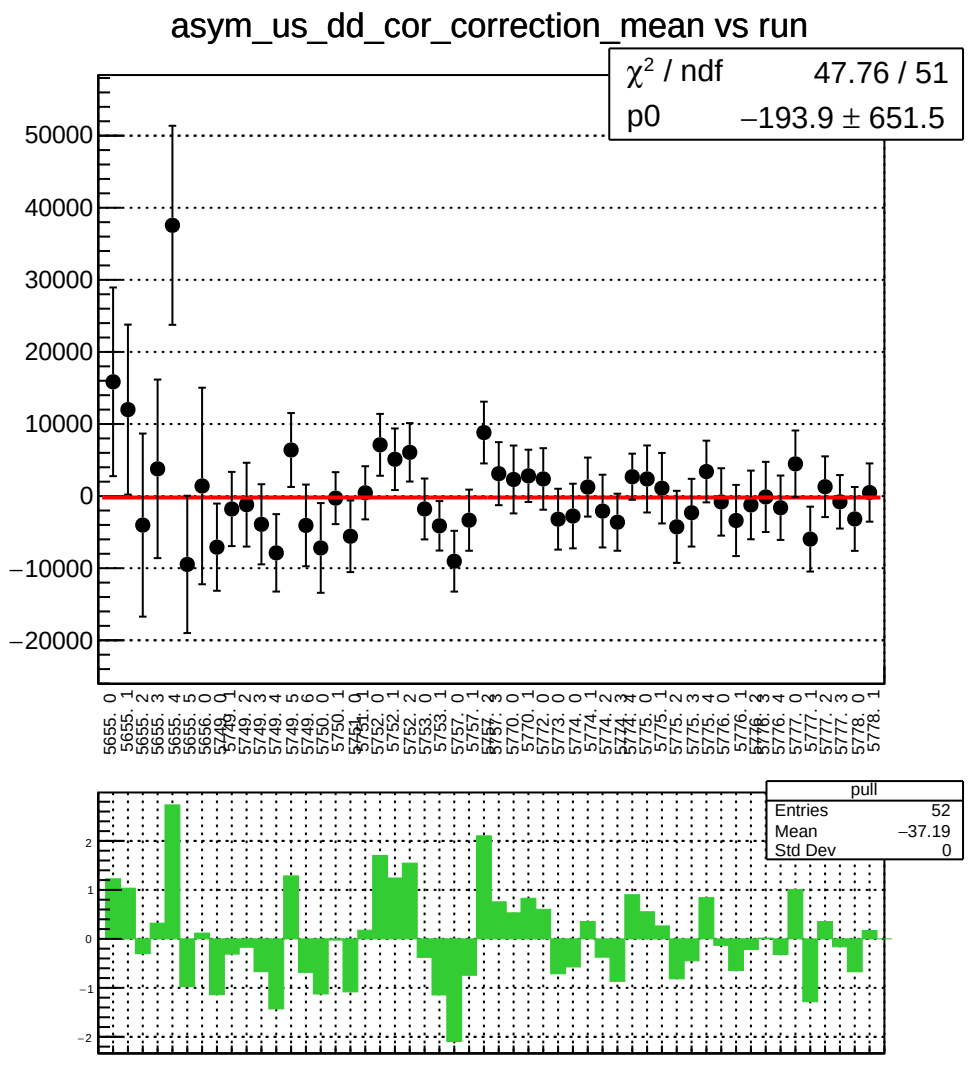
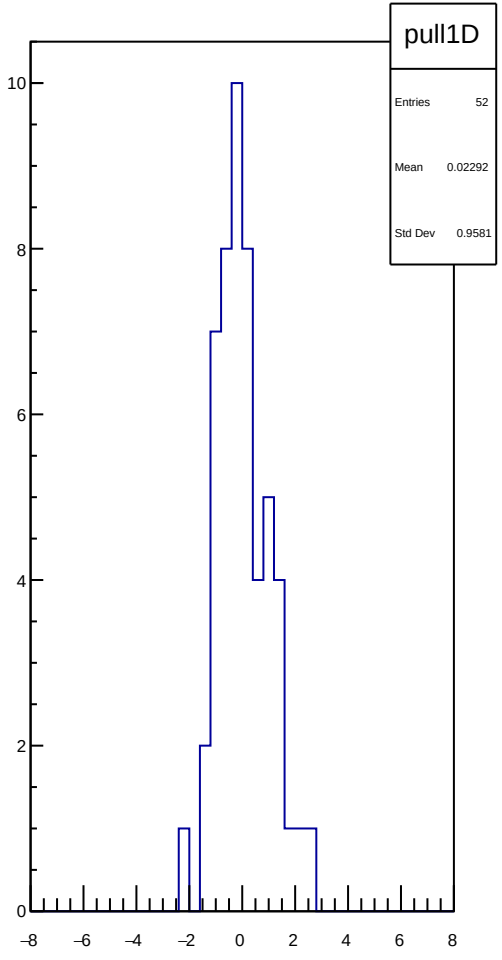
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

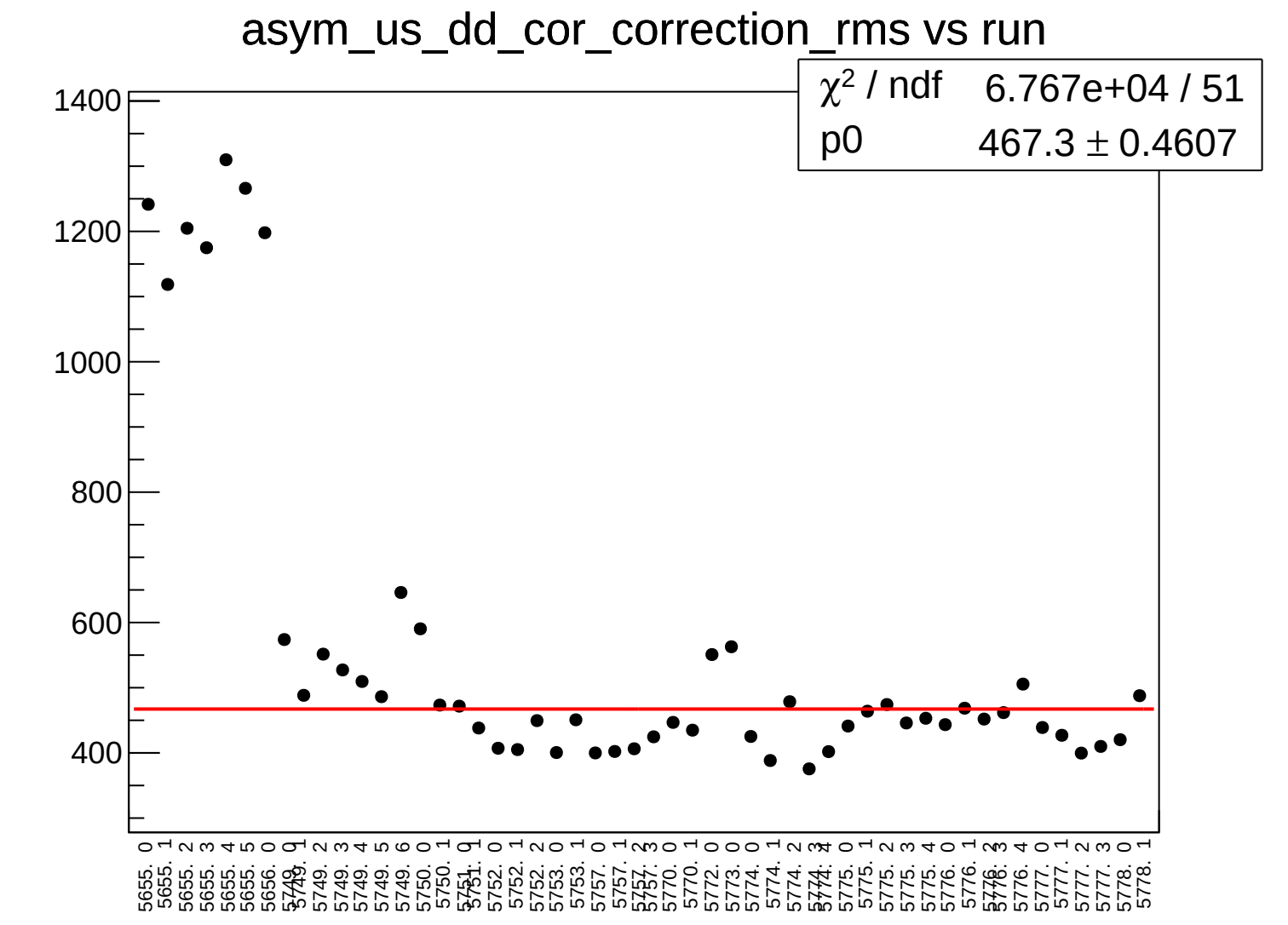

cor_asym_us_dd_mean vs run
χ² / ndf 52.04 / 51
p0 30.74 ± 1040
20000
10000
0
−10000
−20000
pull
Entries 52
Mean −135.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

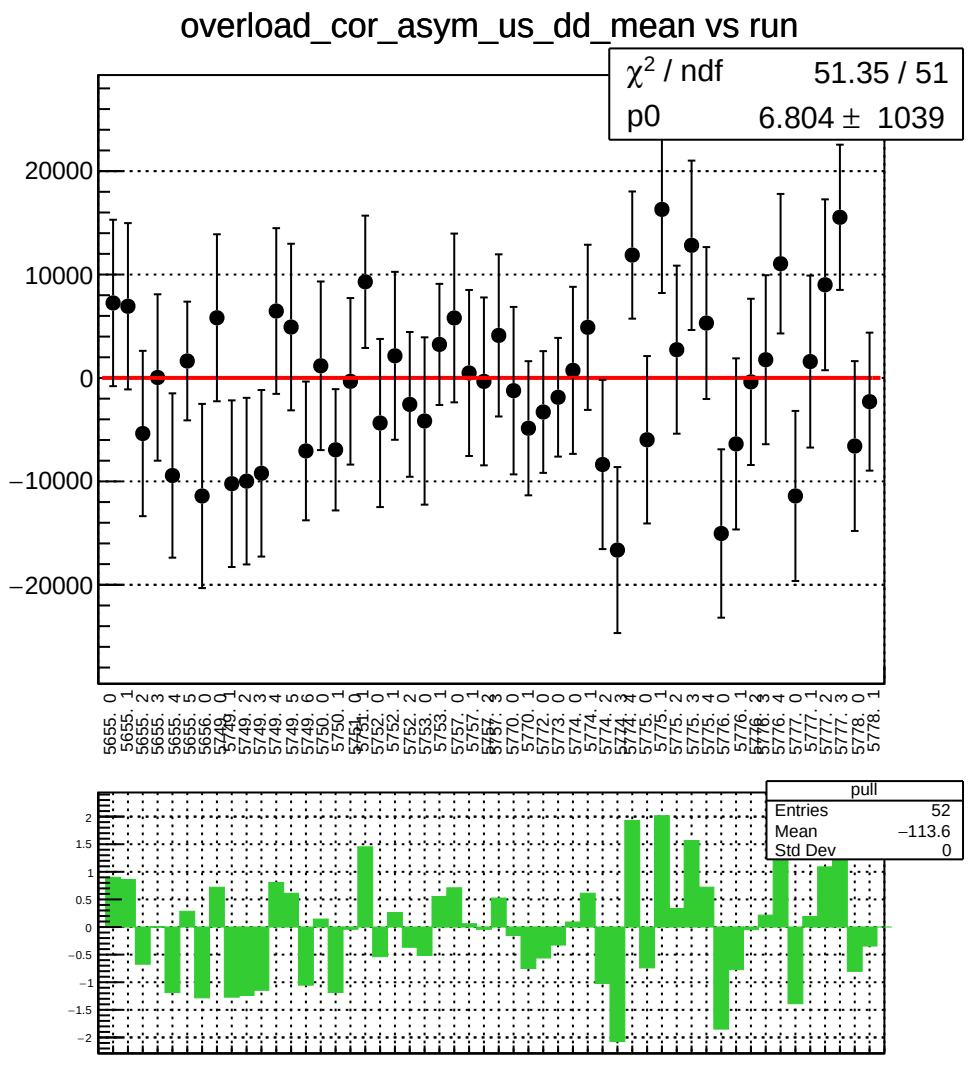

pull1D
Entries 52
Mean −0.01476
Std Dev 1
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

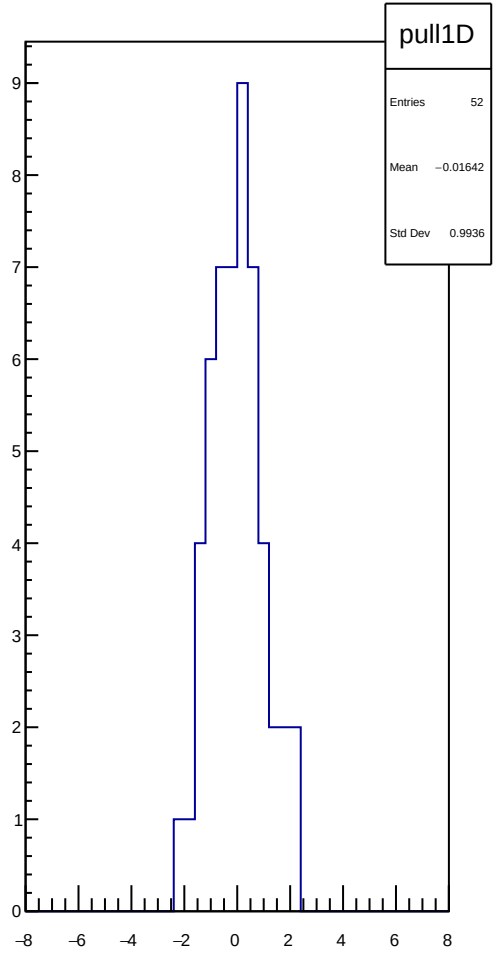

cor_asym_us_dd_rms vs run
χ² / ndf 159.4 / 51
p0 770.1 ± 0.7355
810
800
790
780
770
760
750
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

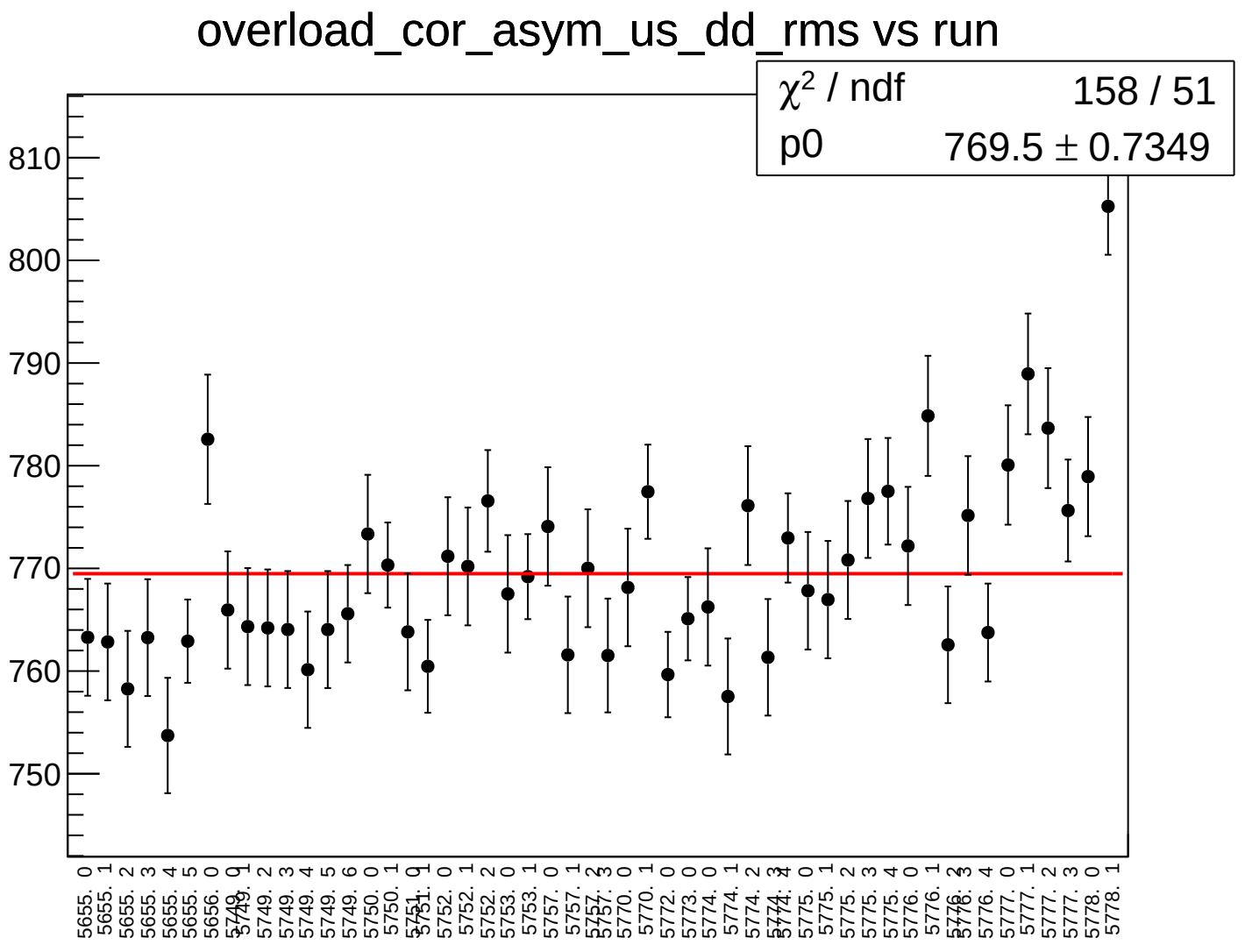

asym_us_dd_cor_correction_mean vs run
χ² / ndf 47.76 / 51
p0 −193.9 ± 651.5
pull
Entries 52
Mean −37.19
Std Dev 0


pull1D
Entries 52
Mean 0.02292
Std Dev 0.9581


asym_us_dd_cor_correction_rms vs run
χ² / ndf 6.767e+04 / 51
p0 467.3 ± 0.4607
1400
1200
1000
800
600
400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


overload_cor_asym_us_dd_mean vs run
χ² / ndf 51.35 / 51
p0 6.804 ± 1039
20000
10000
0
−10000
−20000
pull
Entries 52
Mean −113.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean −0.01642
Std Dev 0.9936
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


overload_cor_asym_us_dd_rms vs run
χ² / ndf 158 / 51
p0 769.5 ± 0.7349
810
800
790
780
770
760
750
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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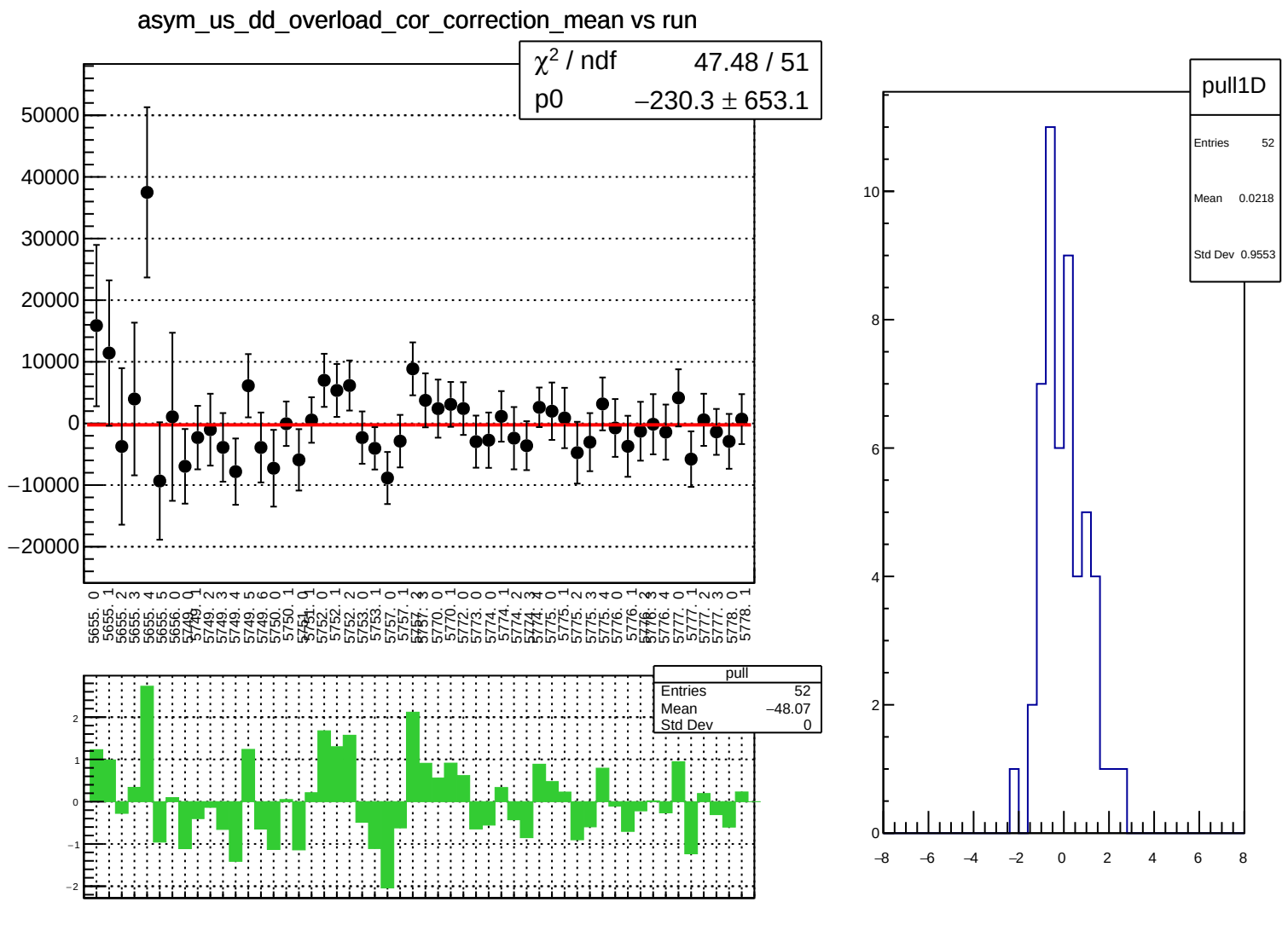
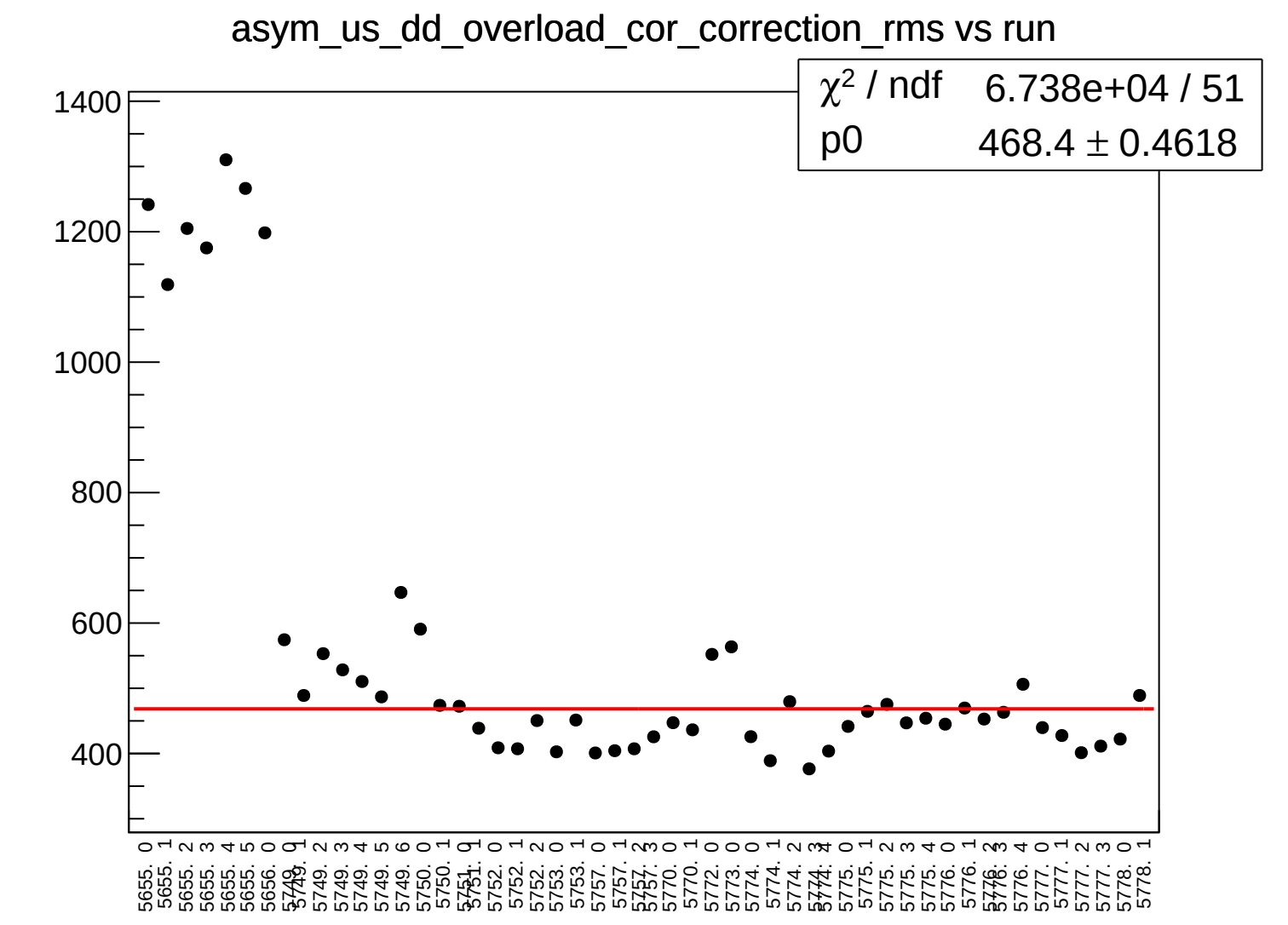
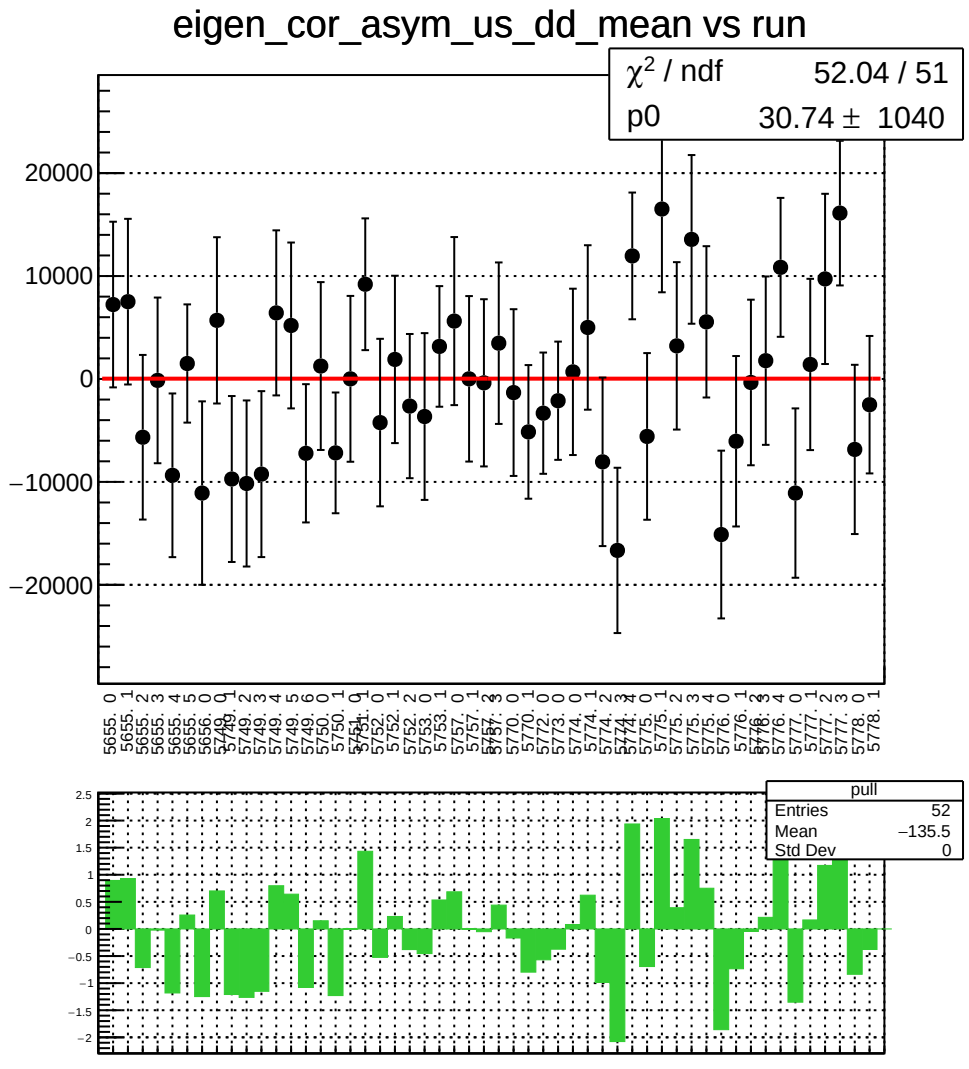
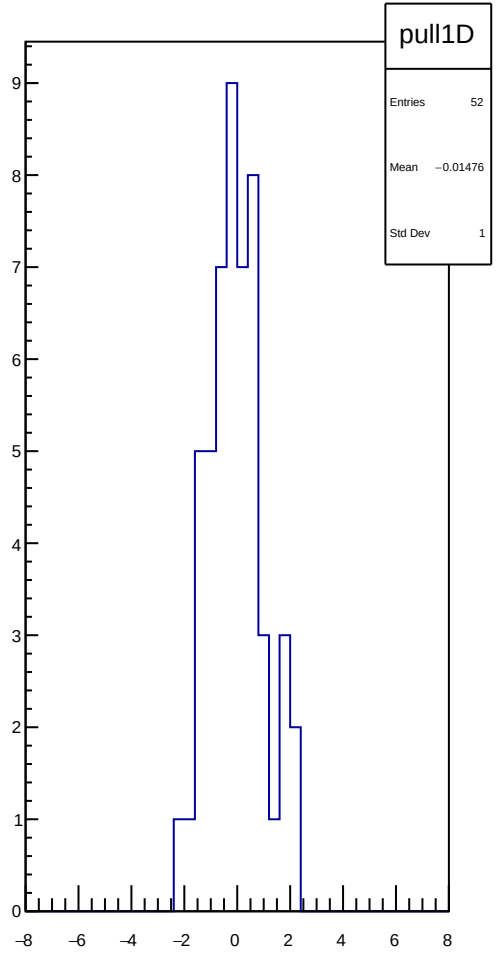
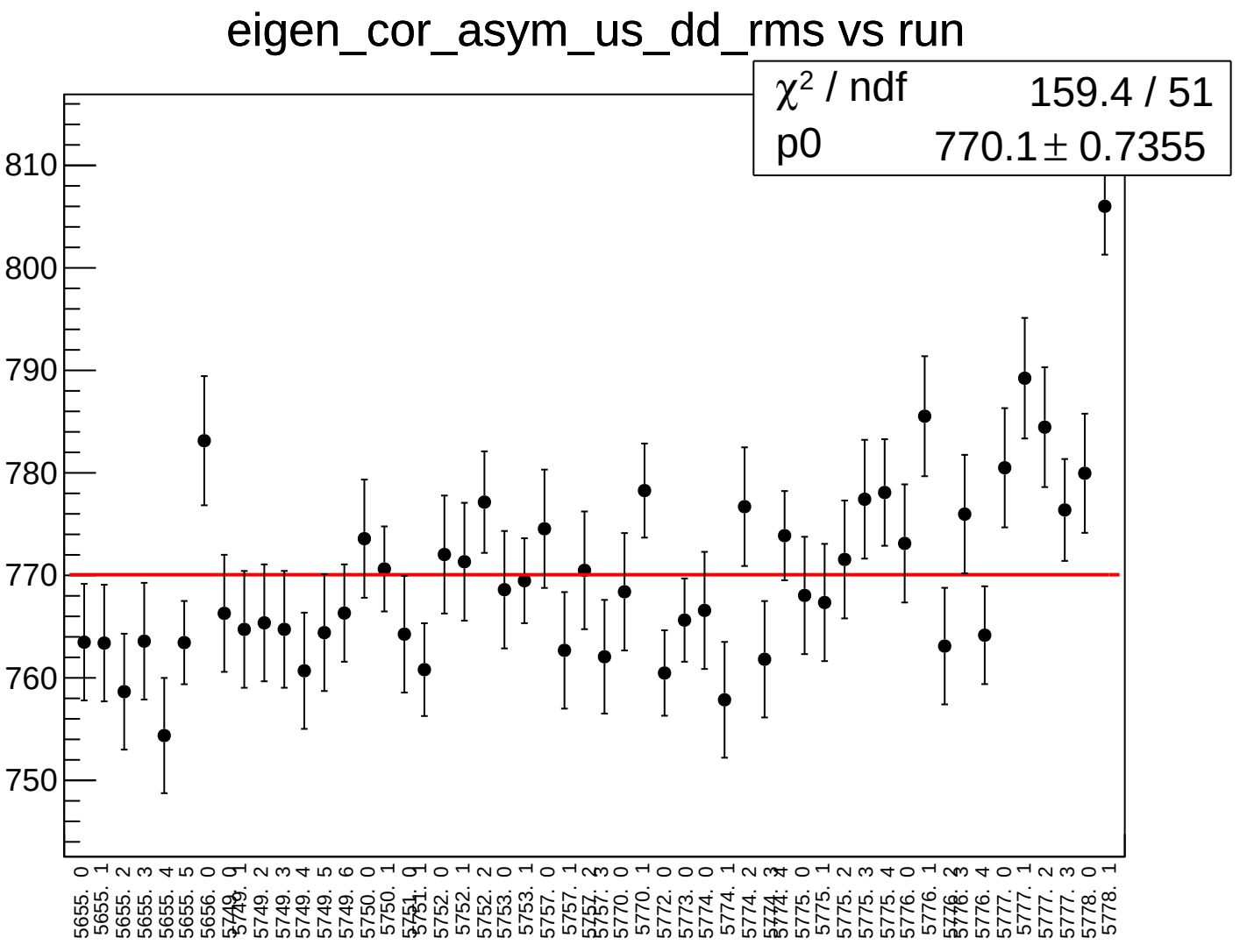
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

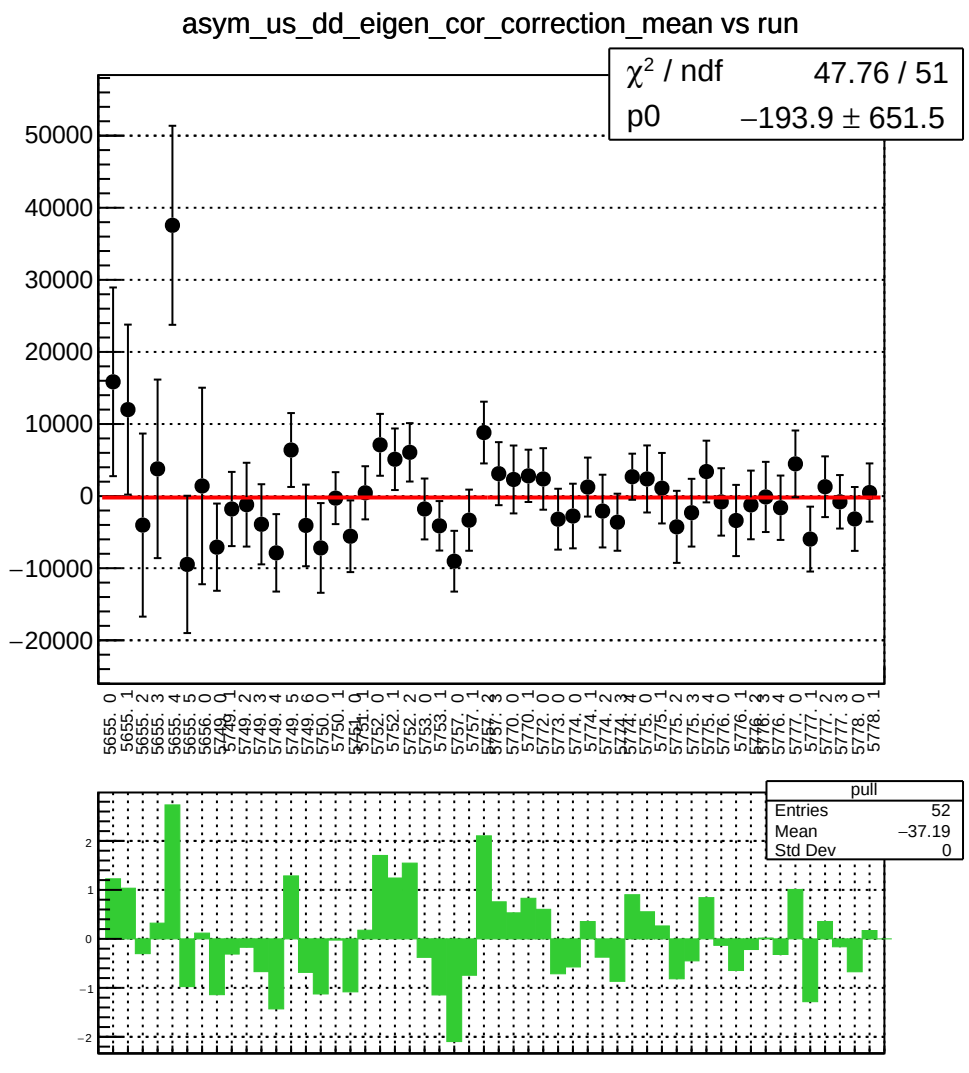

asym_us_dd_overload_cor_correction_mean vs run
χ² / ndf 47.48 / 51
p0 −230.3 ± 653.1
50000
40000
30000
20000
10000
0
−10000
−20000
pull
Entries 52
Mean −48.07
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 52
Mean 0.0218
Std Dev 0.9553
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

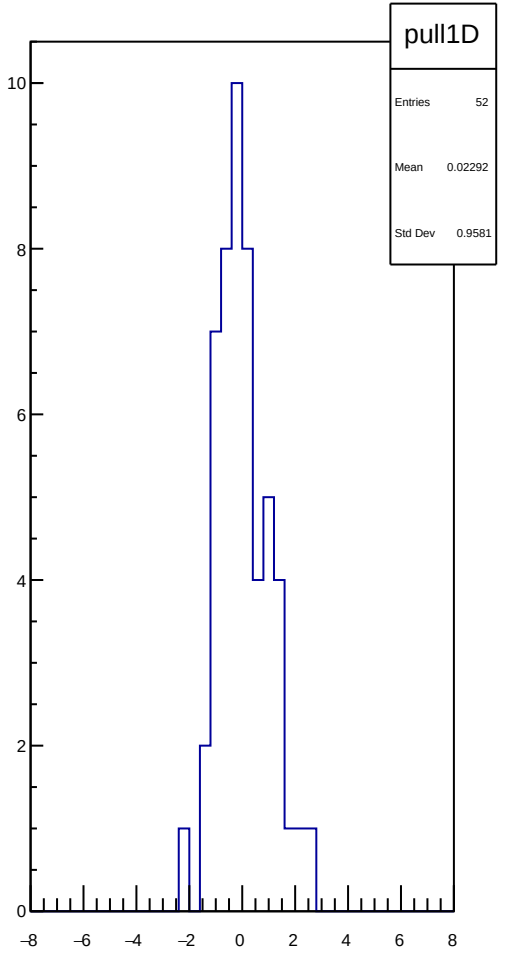

asym_us_dd_overload_cor_correction_rms vs run
χ² / ndf 6.738e+04 / 51
p0 468.4 ± 0.4618
1400
1200
1000
800
600
400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

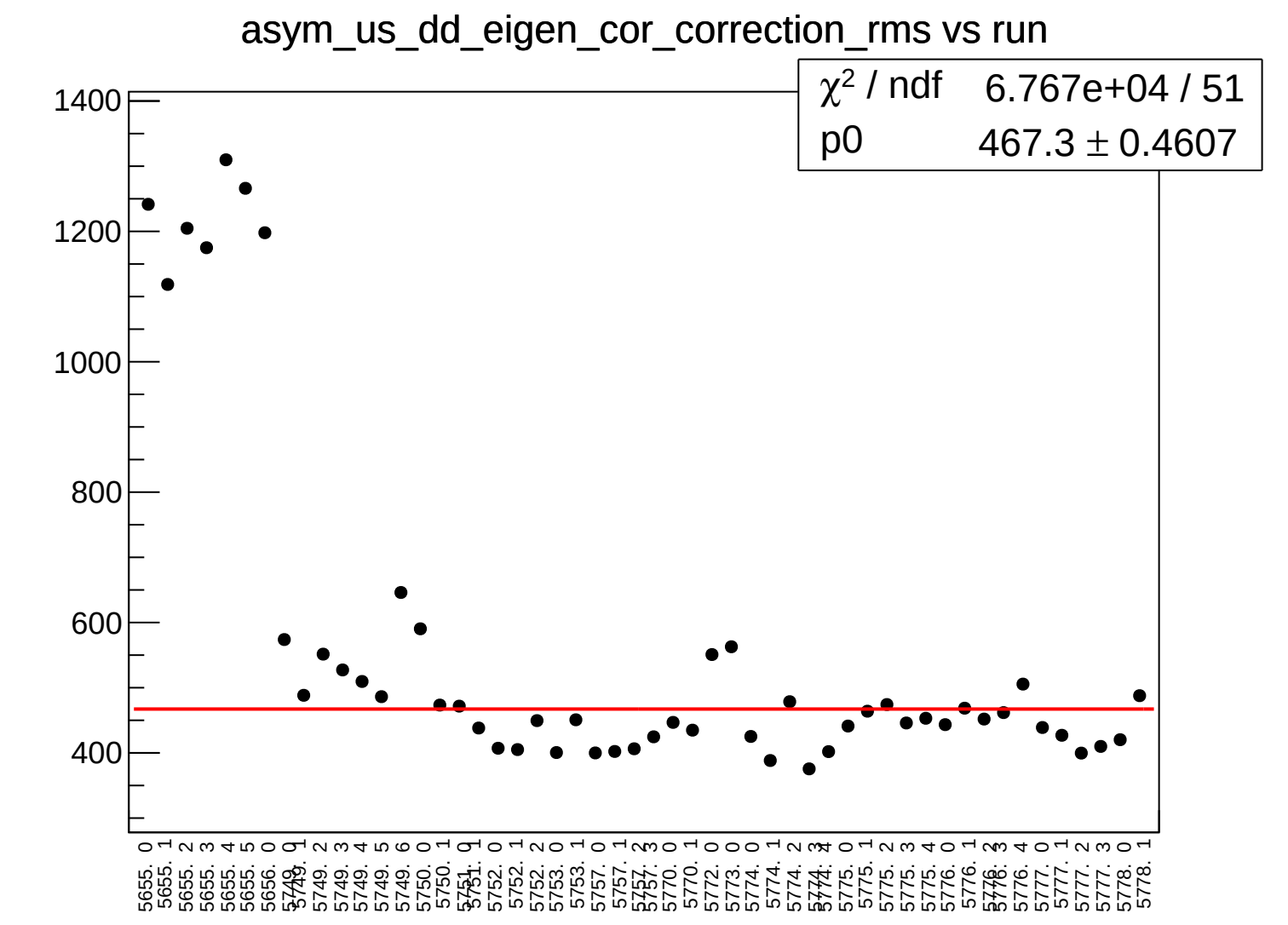

eigen_cor_asym_us_dd_mean vs run
χ² / ndf 52.04 / 51
p0 30.74 ± 1040
20000
10000
0
−10000
−20000
pull
Entries 52
Mean −135.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean −0.01476
Std Dev 1
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_us_dd_rms vs run
χ² / ndf 159.4 / 51
p0 770.1 ± 0.7355
810
800
790
780
770
760
750
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_dd_eigen_cor_correction_mean vs run
χ² / ndf 47.76 / 51
p0 −193.9 ± 651.5
50000
40000
30000
20000
10000
0
−10000
−20000
pull
Entries 52
Mean −37.19
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.02292
Std Dev 0.9581
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 6.767e+04 / 51
p0 467.3 ± 0.4607
1400
1200
1000
800
600
400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5750. 1
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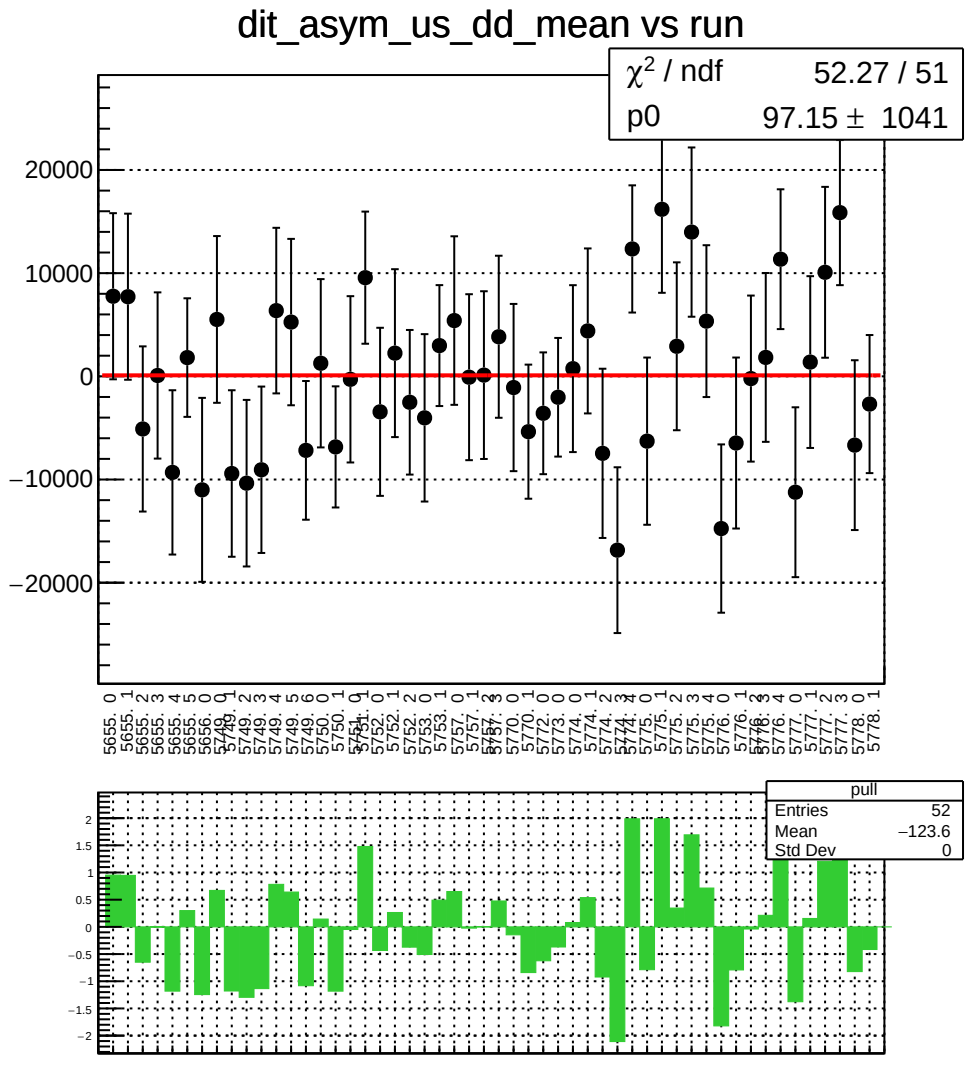
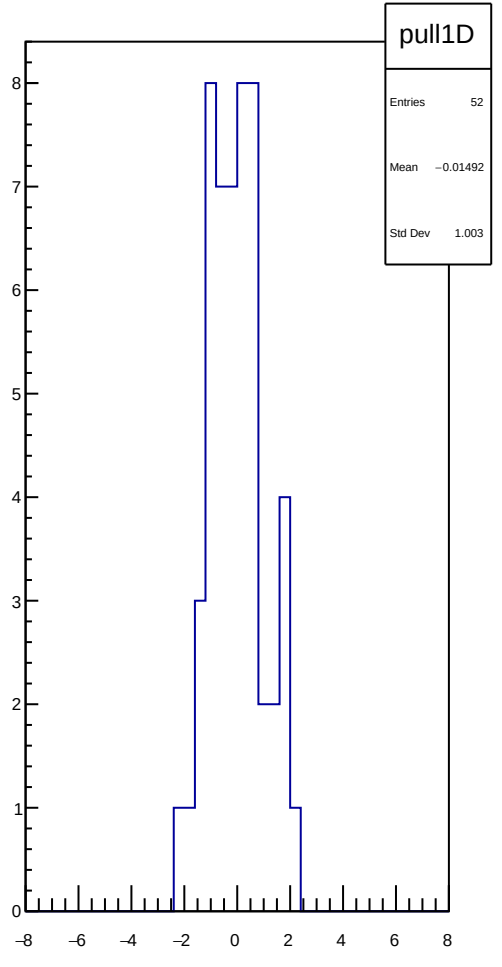
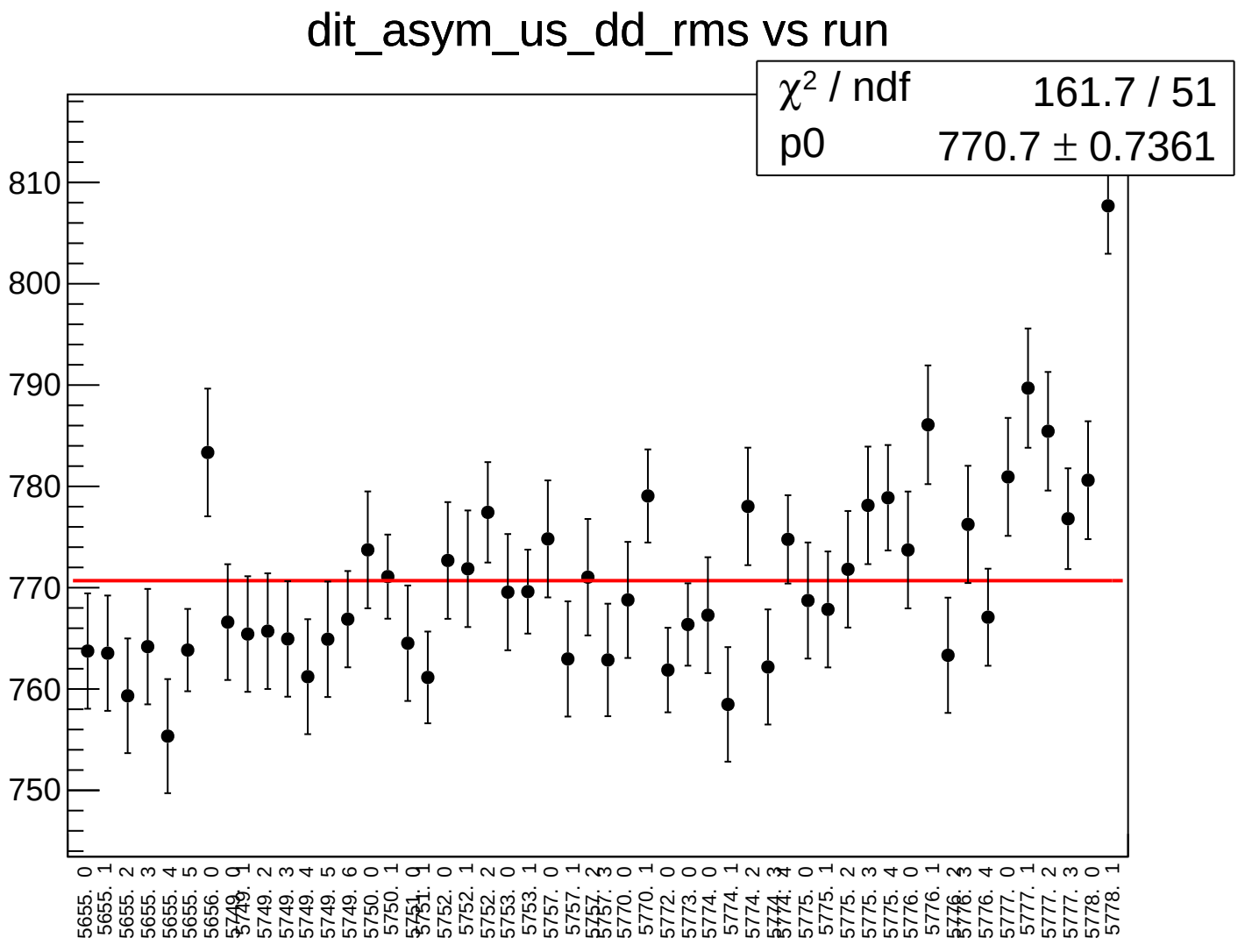
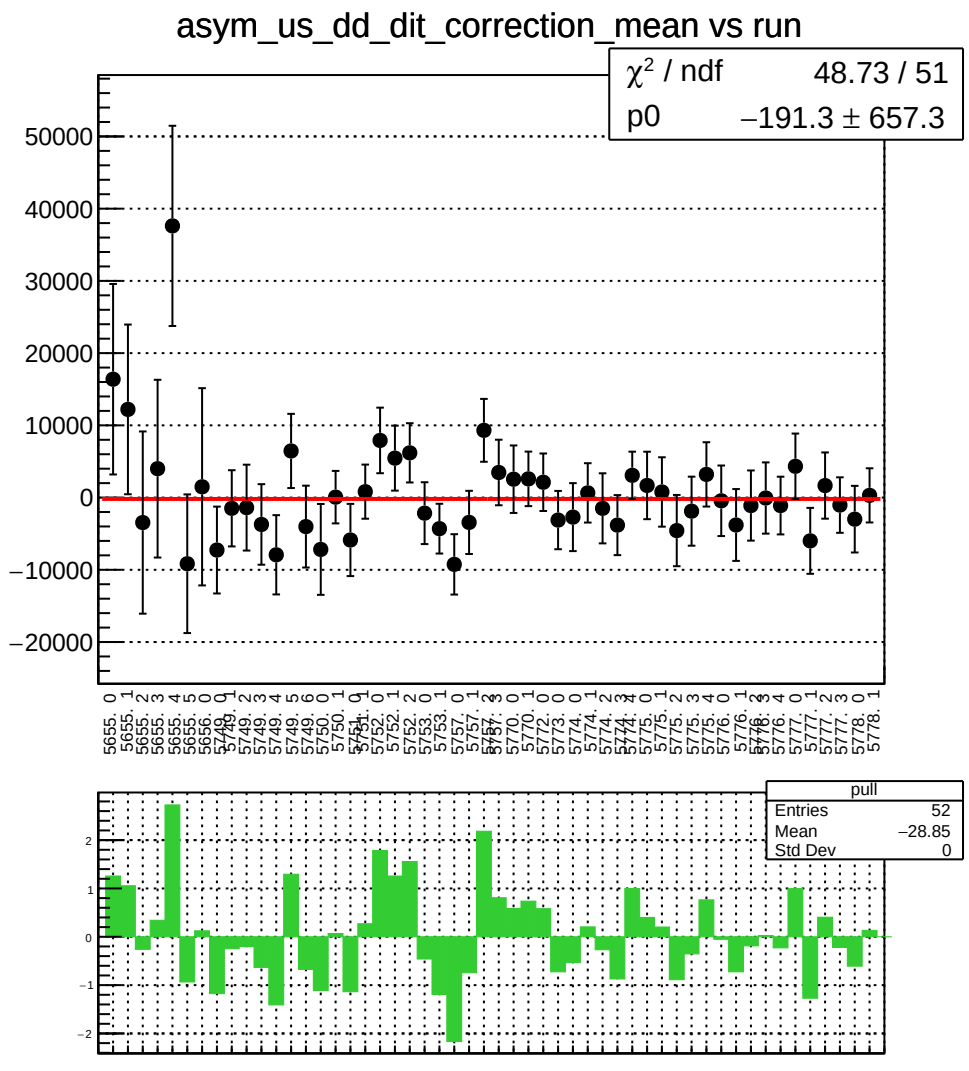
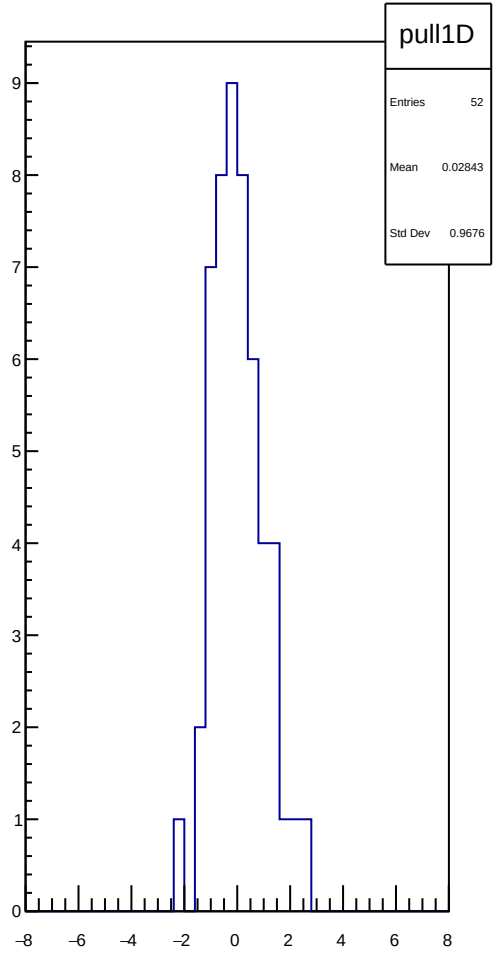
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

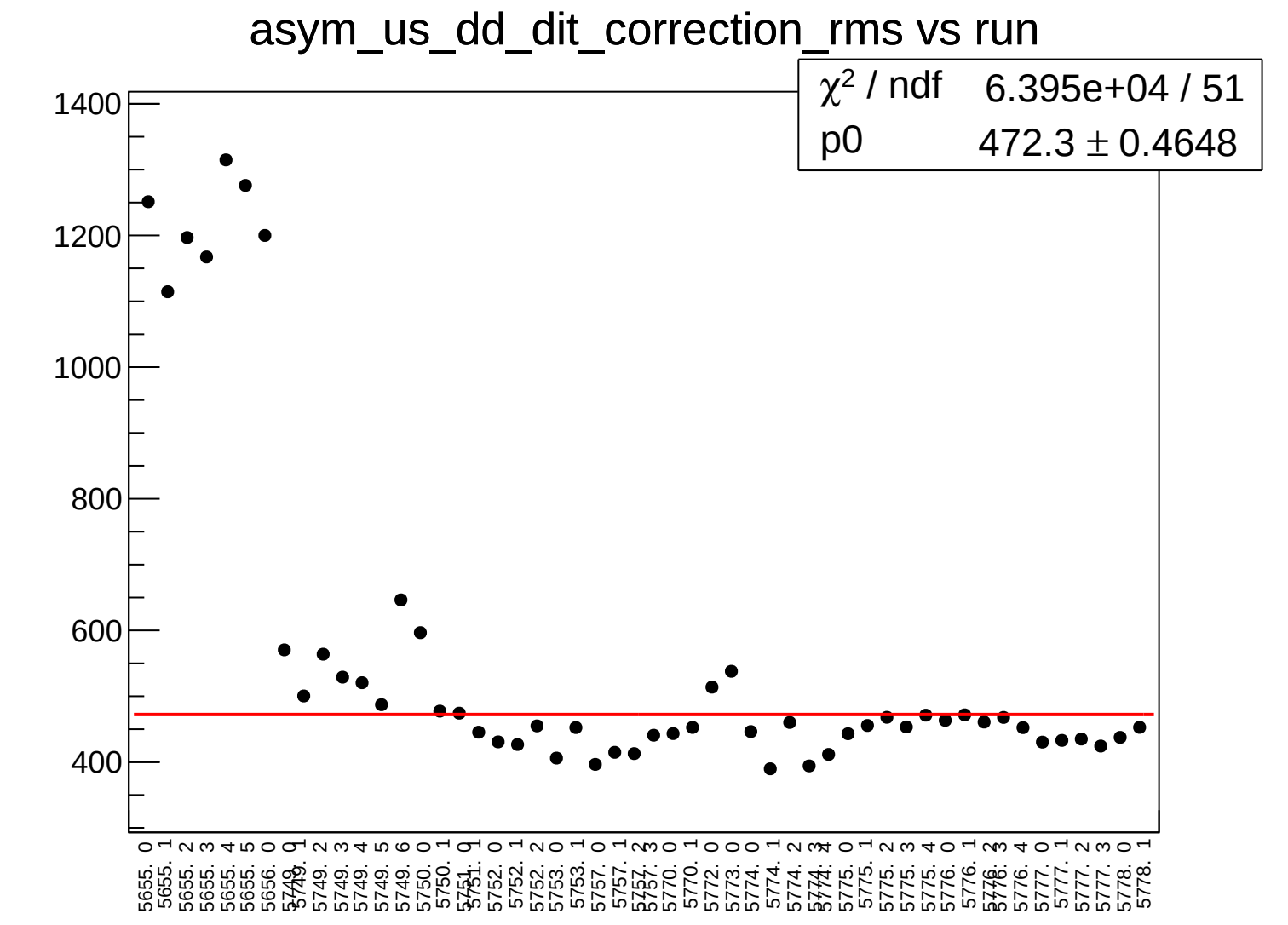

dit_asym_us_dd_mean vs run
χ² / ndf 52.27 / 51
p0 97.15 ± 1041
20000
10000
0
−10000
−20000
pull
Entries 52
Mean −123.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean −0.01492
Std Dev 1.003
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_us_dd_rms vs run
χ² / ndf 161.7 / 51
p0 770.7 ± 0.7361
810
800
790
780
770
760
750
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_dd_dit_correction_mean vs run
χ² / ndf 48.73 / 51
p0 −191.3 ± 657.3
50000
40000
30000
20000
10000
0
−10000
−20000
pull
Entries 52
Mean −28.85
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.02843
Std Dev 0.9676
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_dit_correction_rms vs run
χ² / ndf 6.395e+04 / 51
p0 472.3 ± 0.4648
1400
1200
1000
800
600
400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
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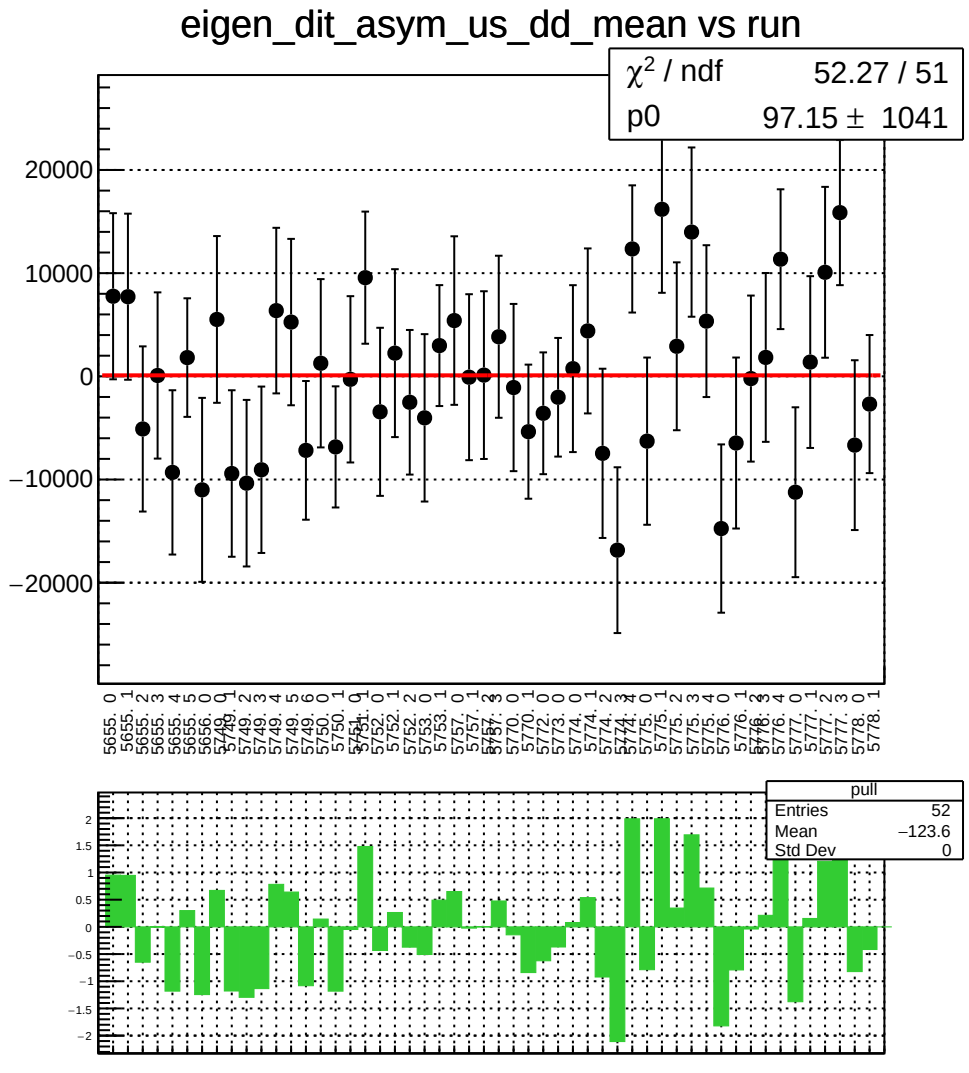
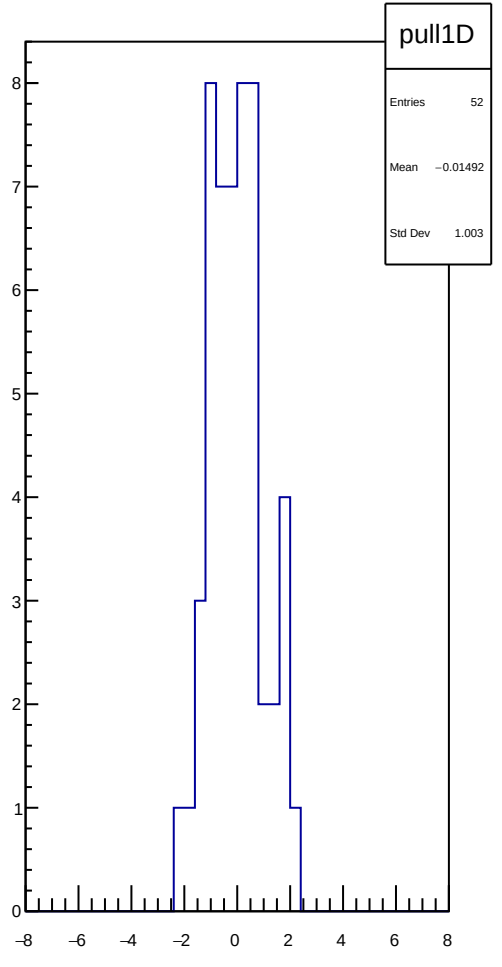
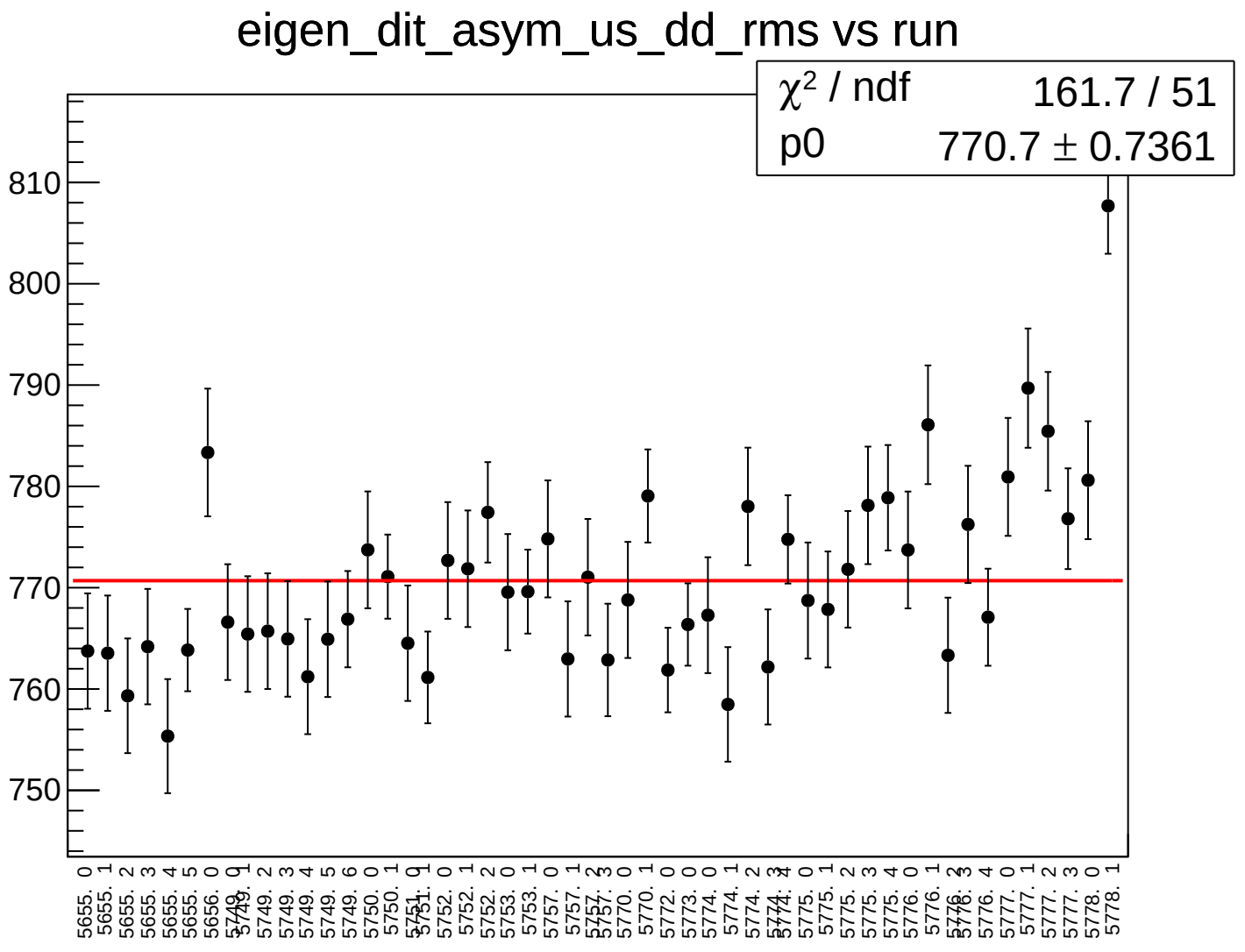
5777. 2
5777. 3
5778. 0
5778. 1


eigen_dit_asym_us_dd_mean vs run
χ² / ndf 52.27 / 51
p0 97.15 ± 1041
20000
10000
0
−10000
−20000
pull
Entries 52
Mean −123.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean −0.01492
Std Dev 1.003
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_us_dd_rms vs run
χ² / ndf 161.7 / 51
p0 770.7 ± 0.7361
810
800
790
780
770
760
750
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5749. 6
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5752. 1
5752. 2
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5757. 3
5770. 0
5770. 1
5772. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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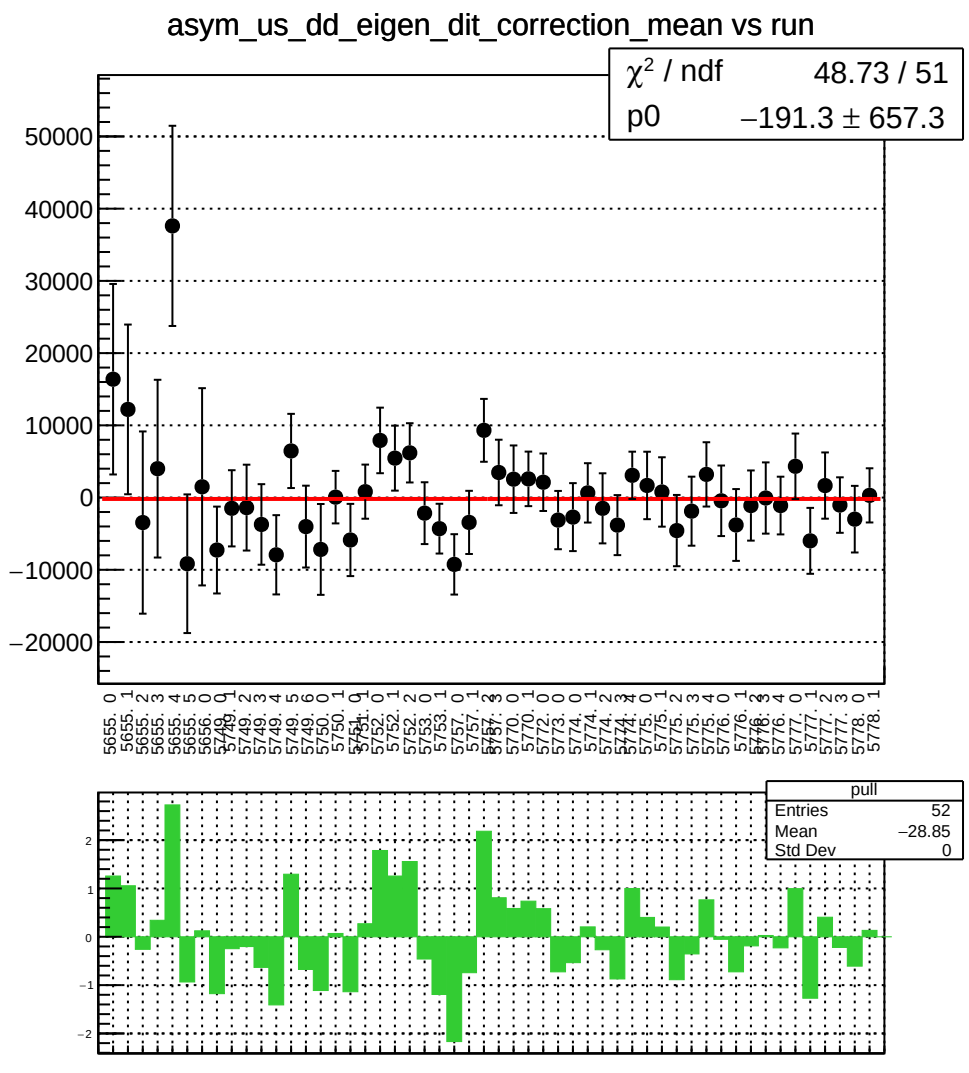
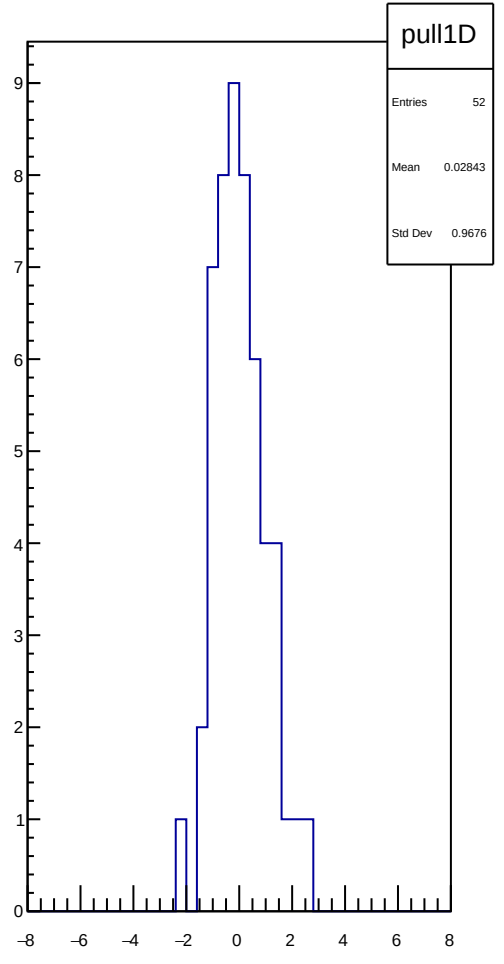
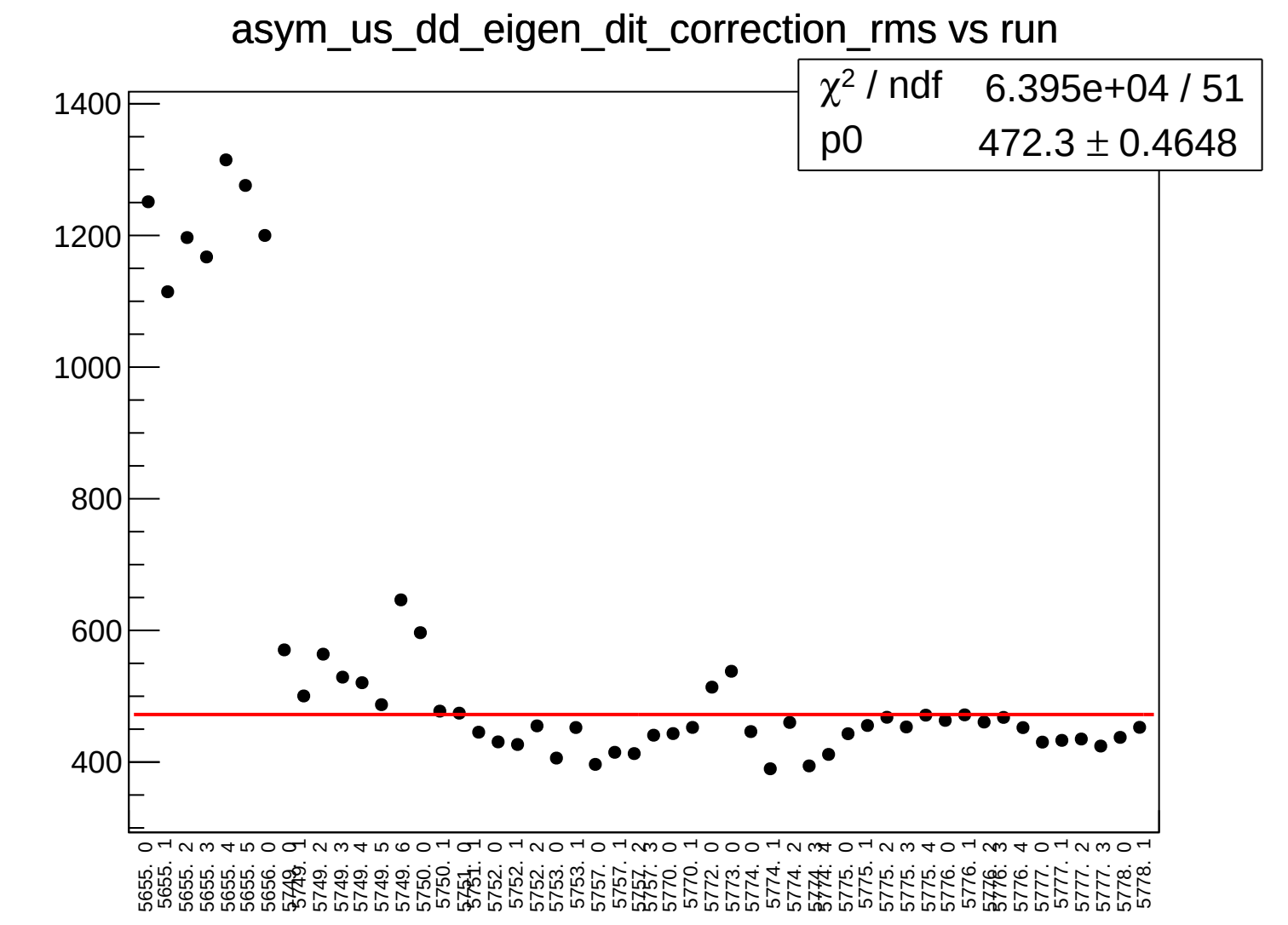
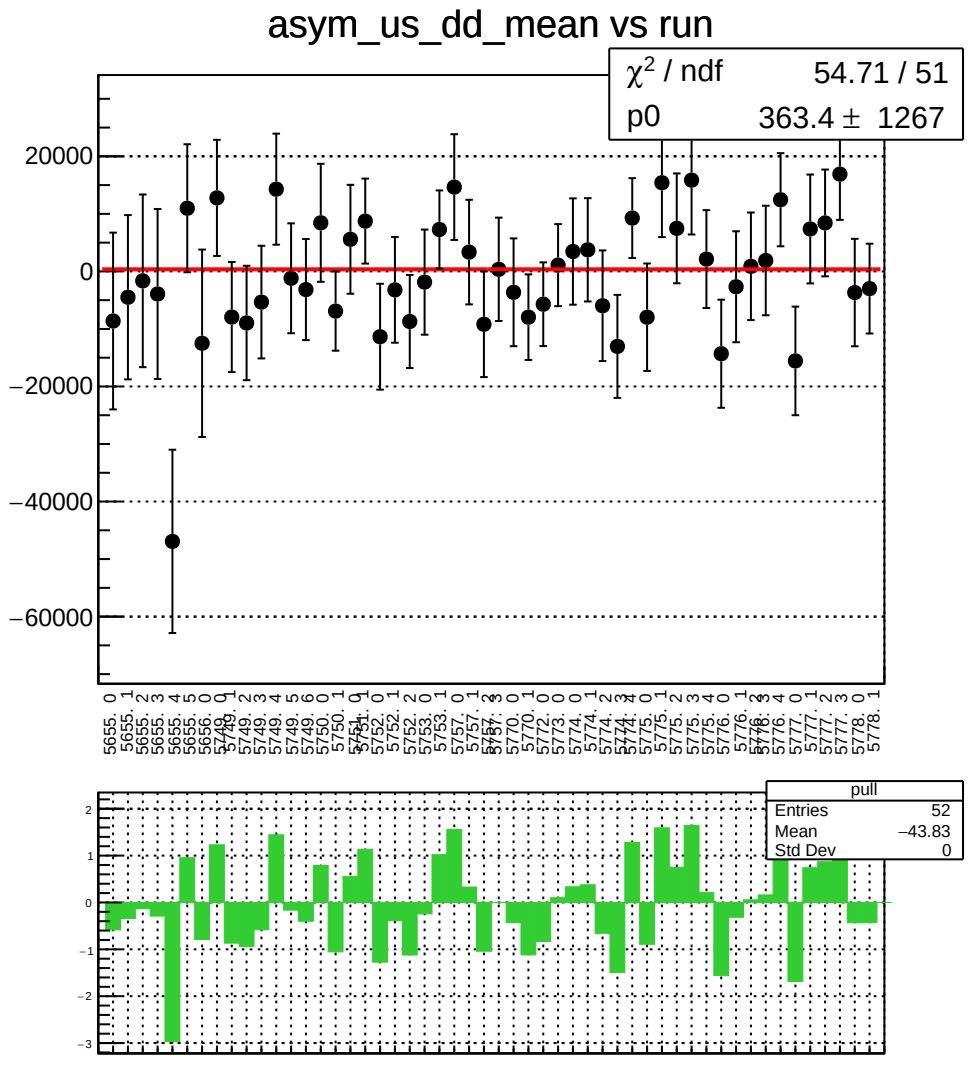
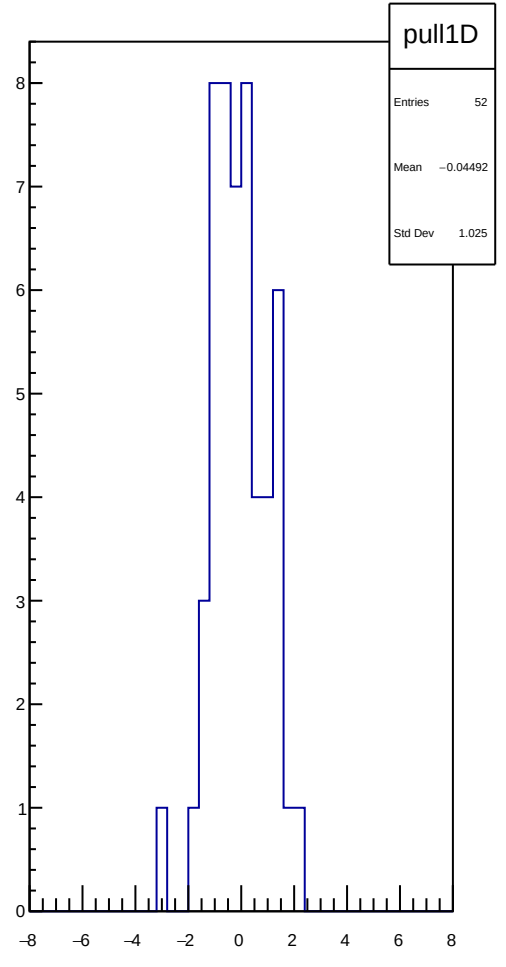
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

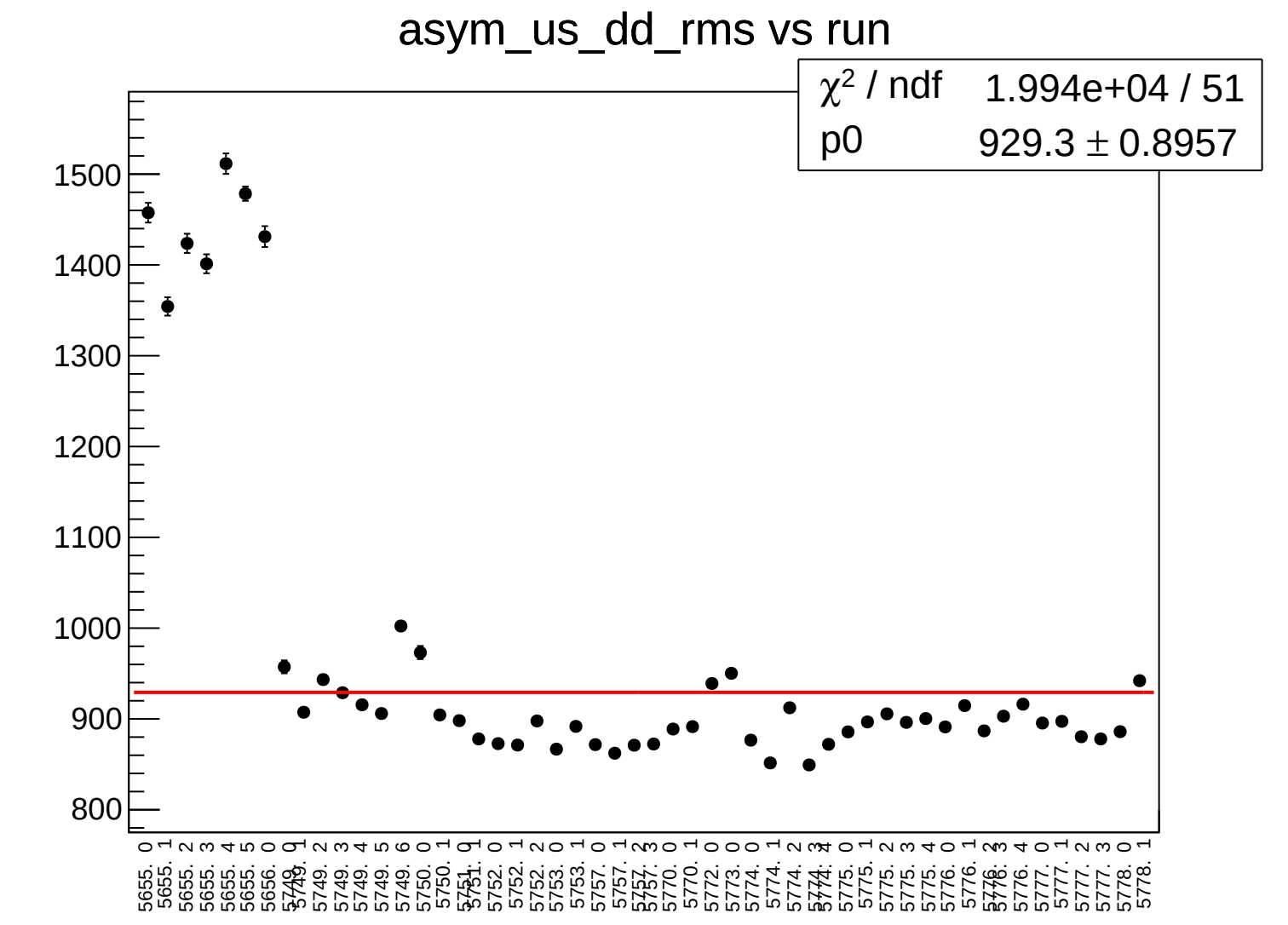

asym_us_dd_eigen_dit_correction_mean vs run
χ² / ndf 48.73 / 51
p0 −191.3 ± 657.3
50000
40000
30000
20000
10000
0
−10000
−20000
pull
Entries 52
Mean −28.85
Std Dev 0
2
1
0
−1
−2

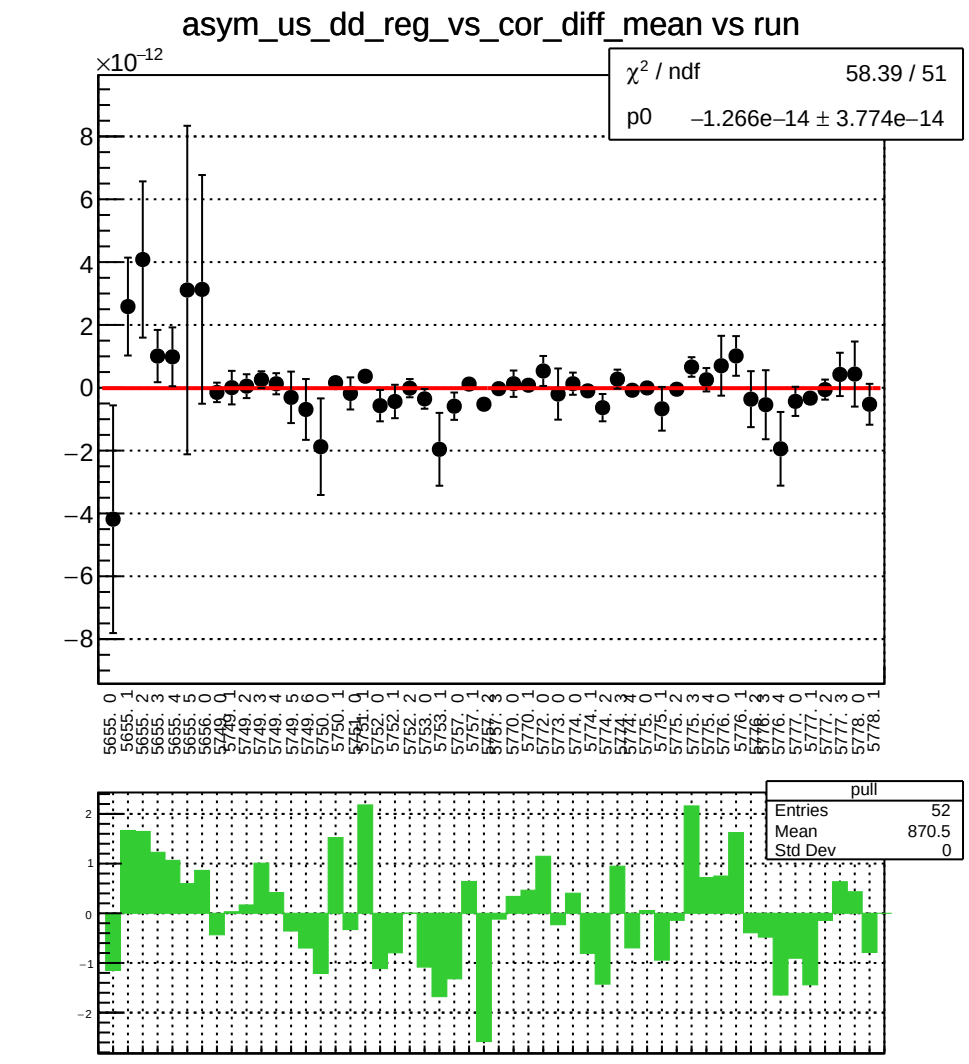

pull1D
Entries 52
Mean 0.02843
Std Dev 0.9676
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

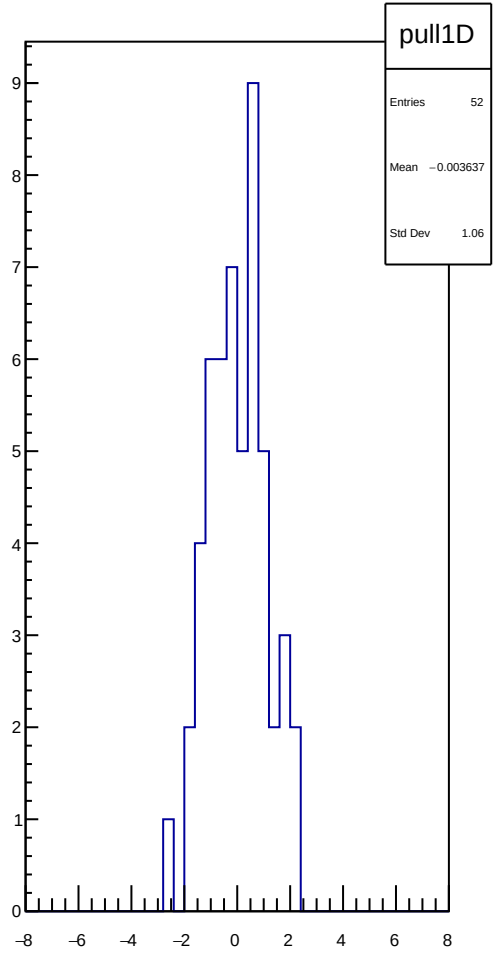

asym_us_dd_eigen_dit_correction_rms vs run
χ² / ndf 6.395e+04 / 51
p0 472.3 ± 0.4648
1400
1200
1000
800
600
400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

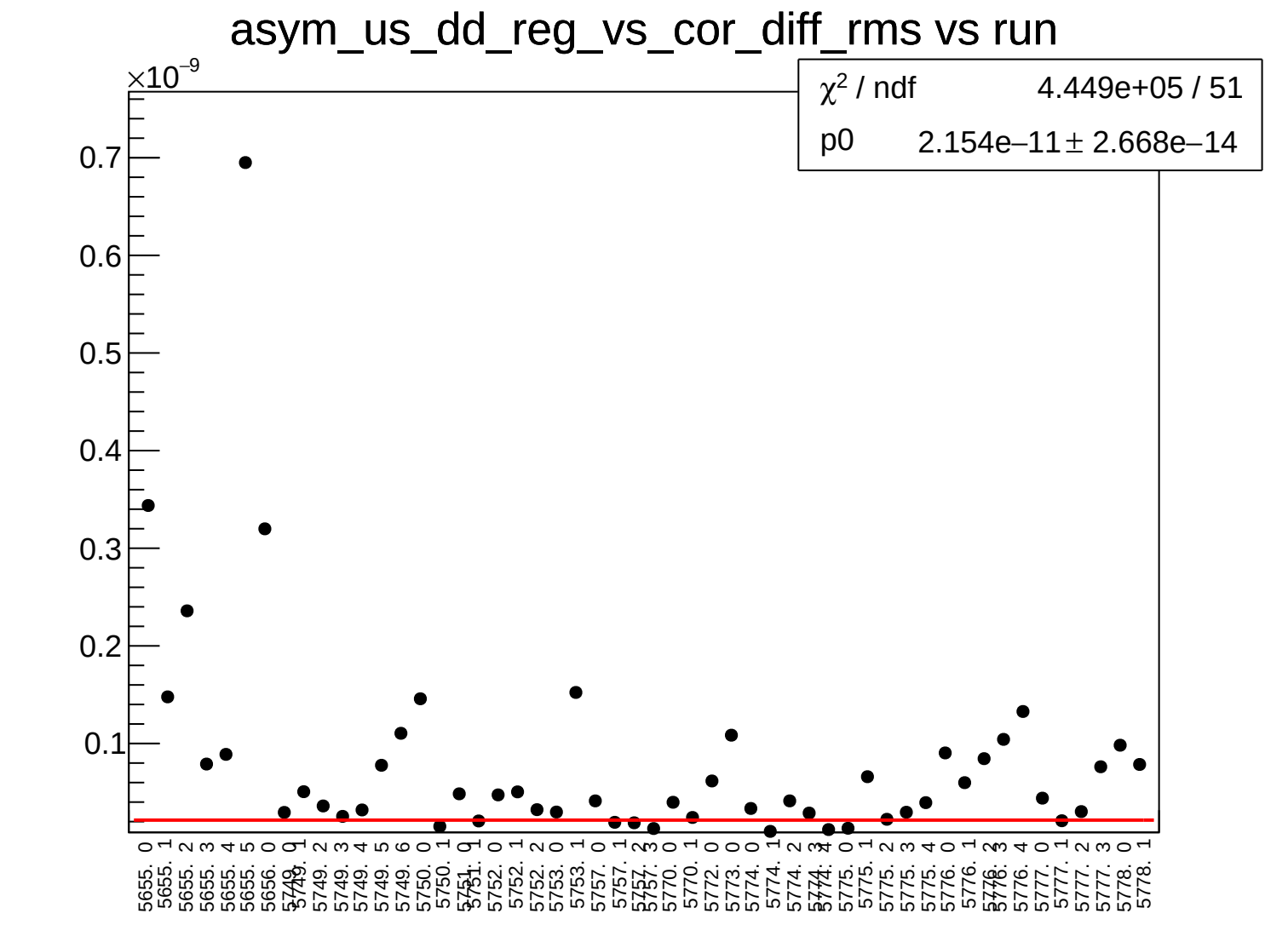

asym_us_dd_mean vs run
χ² / ndf 54.71 / 51
p0 363.4 ± 1267
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −43.83
Std Dev 0
2
1
0
−1
−2
−3

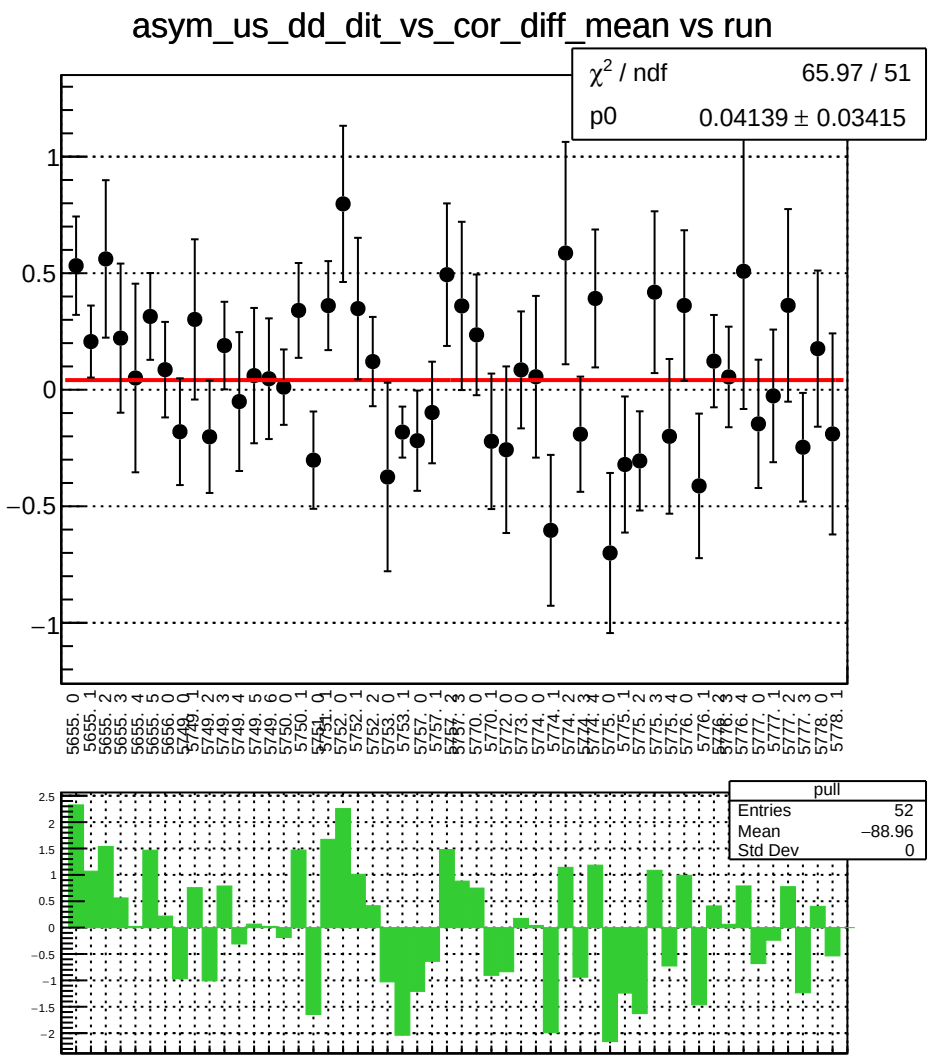

pull1D
Entries 52
Mean −0.04492
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

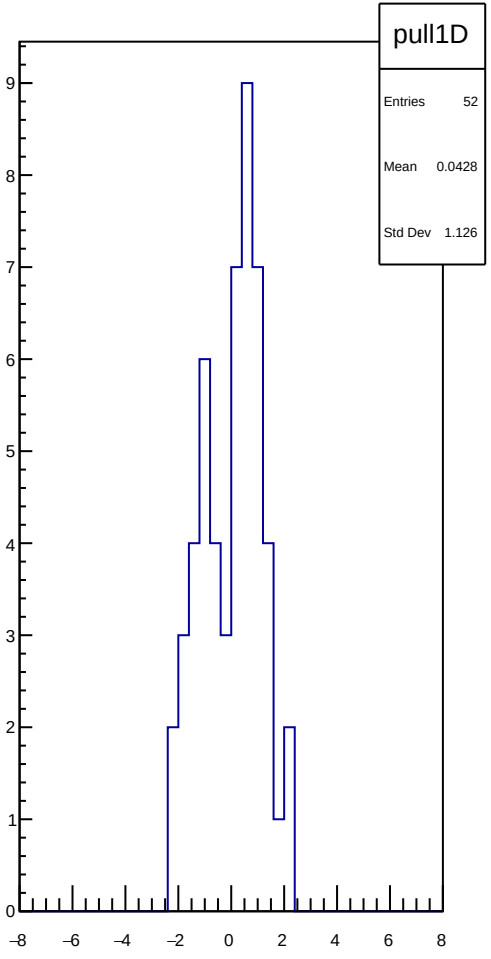

asym_us_dd_rms vs run
χ² / ndf 1.994e+04 / 51
p0 929.3 ± 0.8957
1500
1400
1300
1200
1100
1000
900
800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

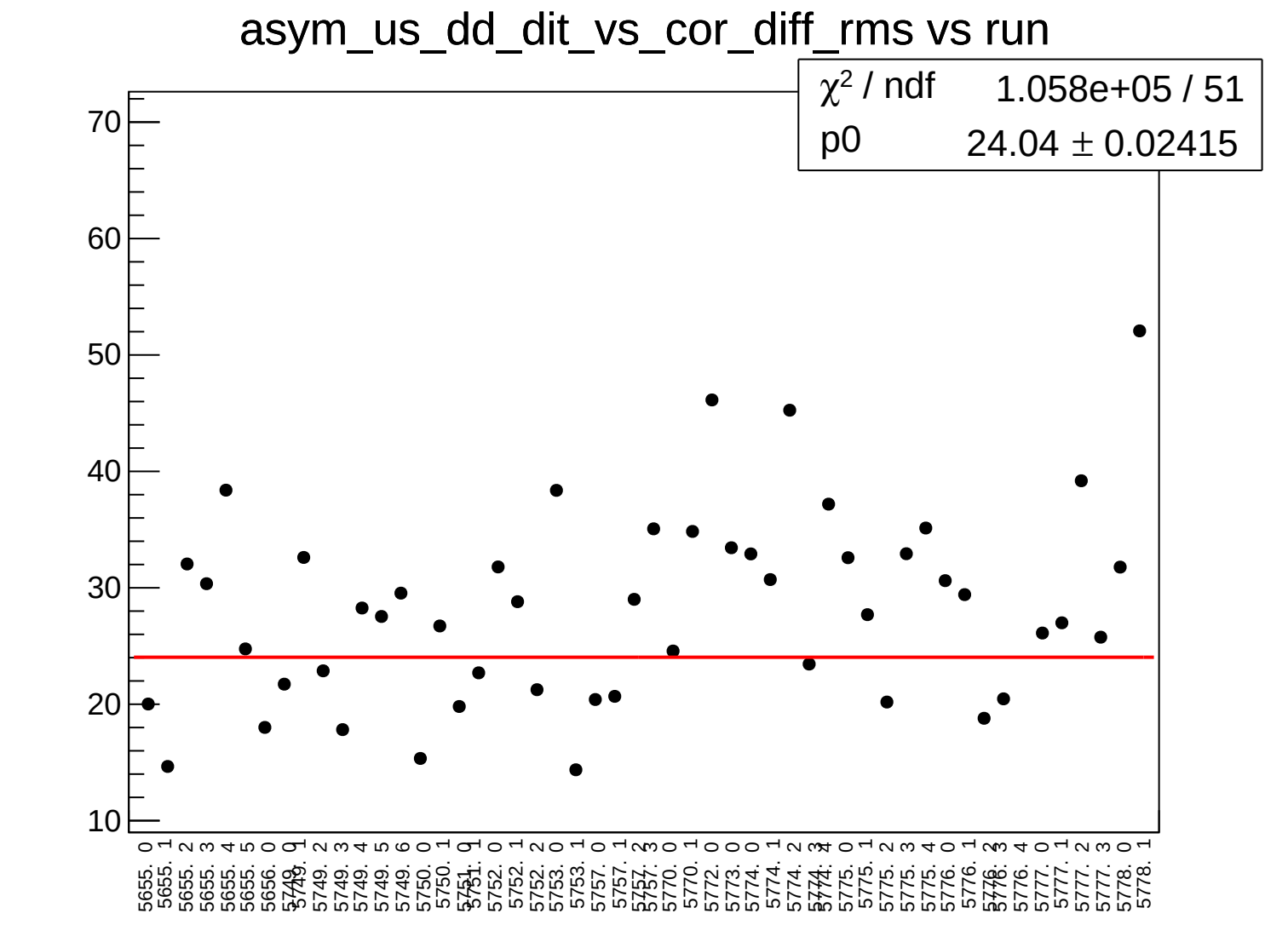

asym_us_dd_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.39 / 51
p0 −1.266e−14 ± 3.774e−14
pull
Entries 52
Mean 870.5
Std Dev 0

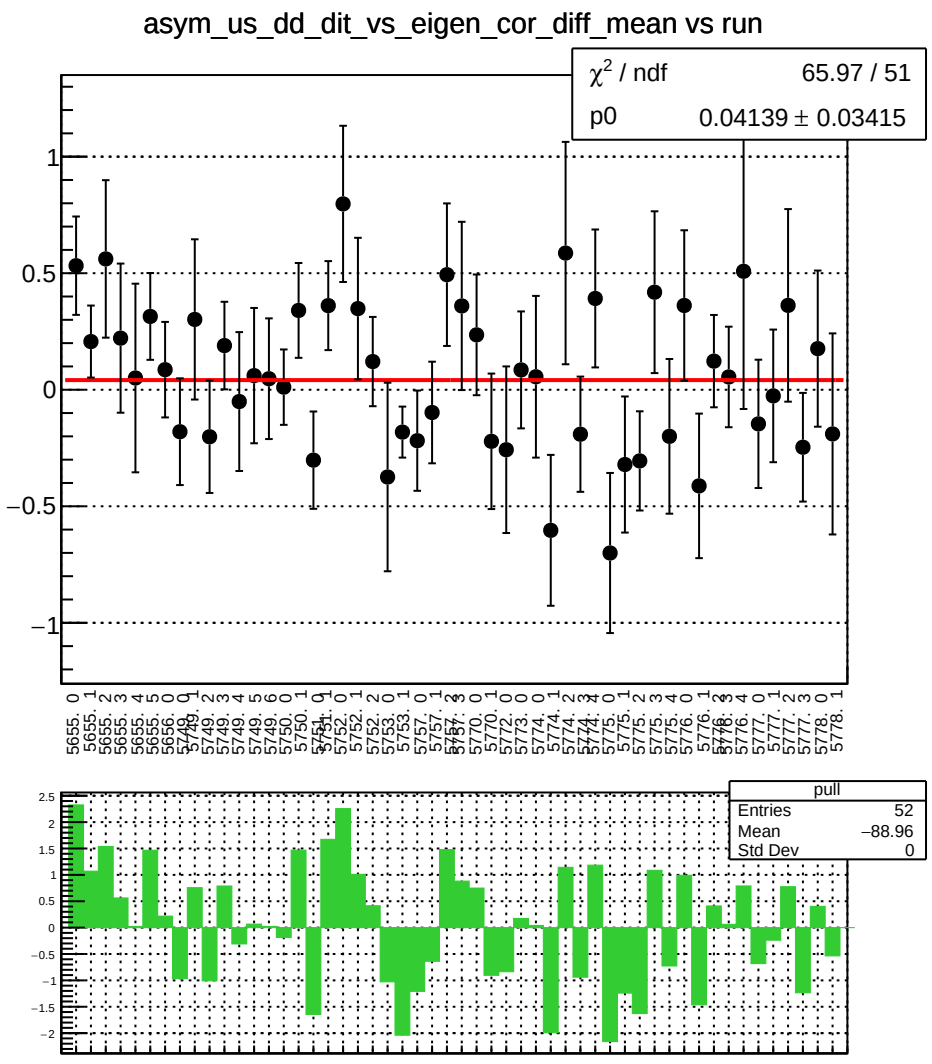

pull1D
Entries 52
Mean −0.003637
Std Dev 1.06

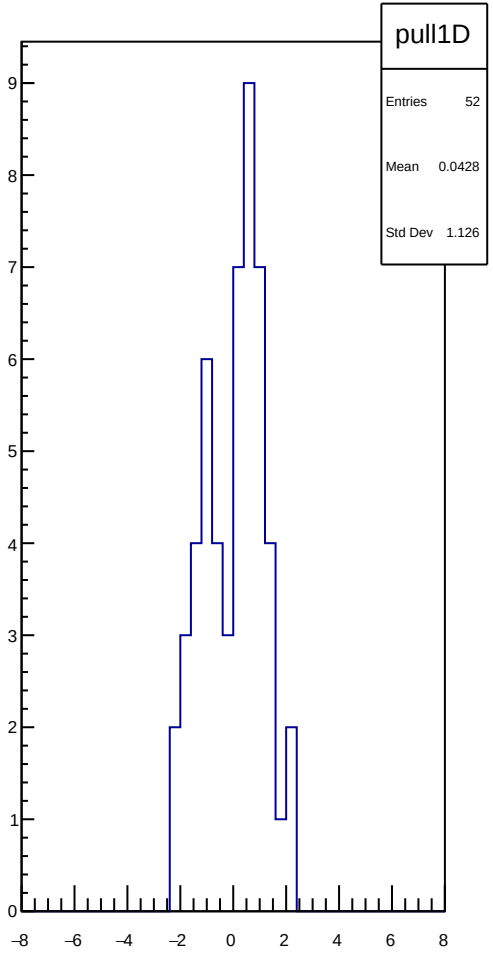

asym_us_dd_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.449e+05 / 51
p0 2.154e−11 ± 2.668e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

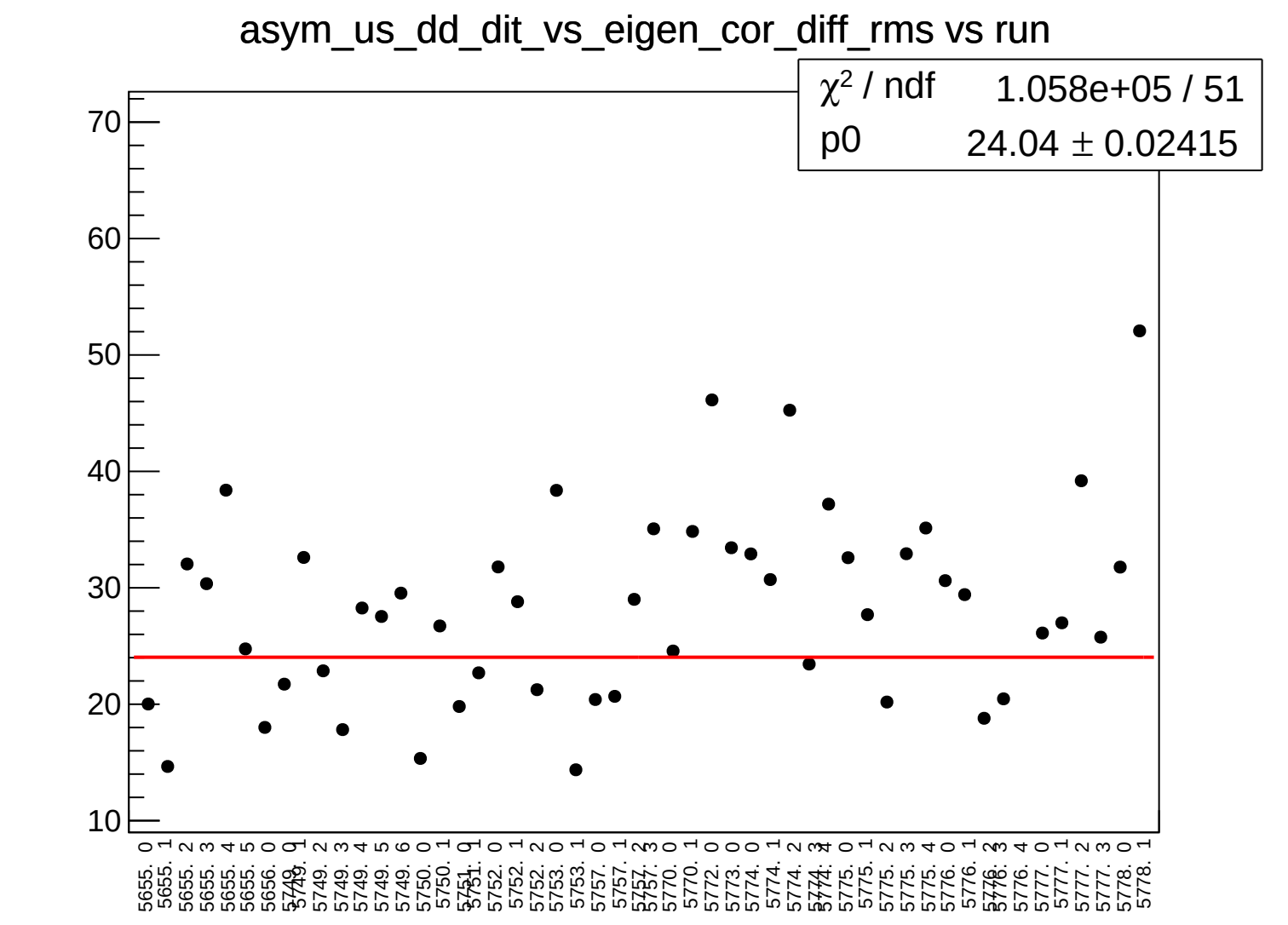

asym_us_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 65.97 / 51
p0 0.04139 ± 0.03415
pull
Entries 52
Mean −88.96
Std Dev 0

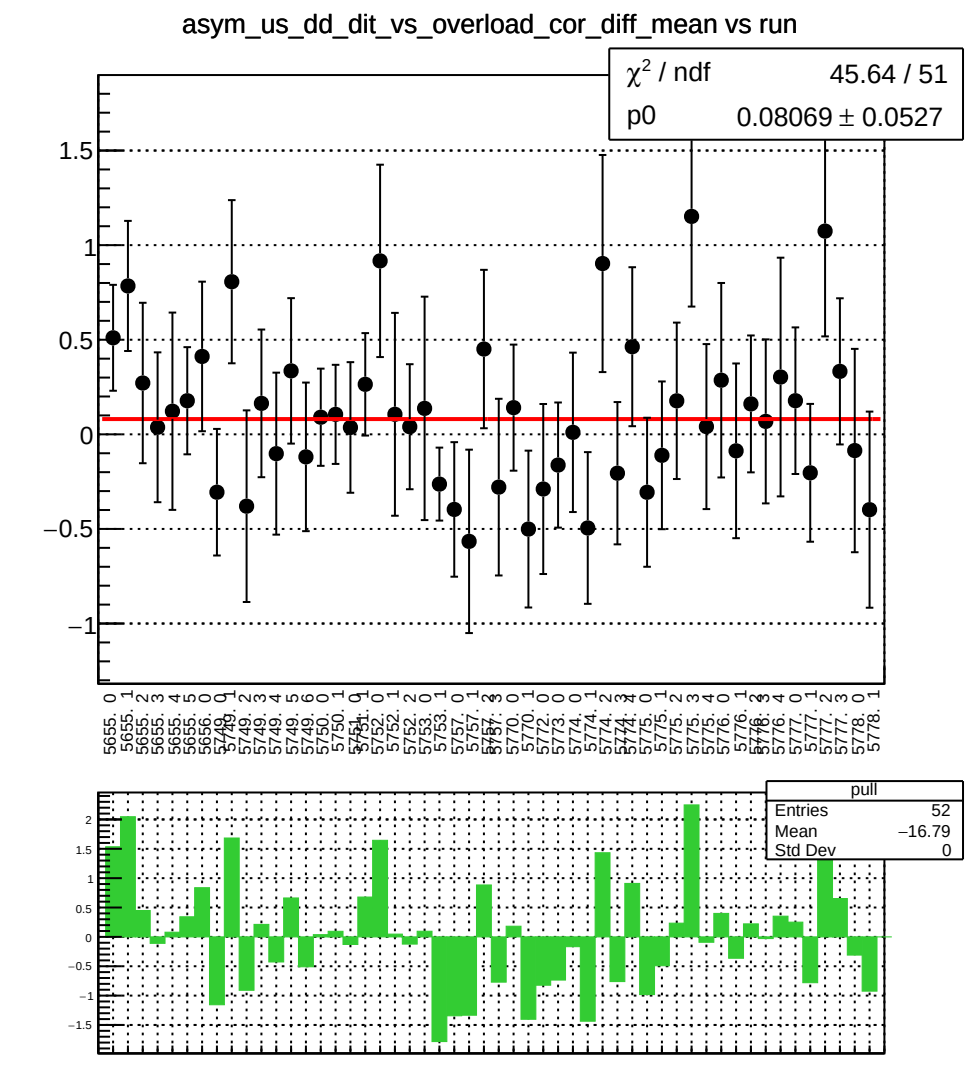

pull1D
Entries 52
Mean 0.0428
Std Dev 1.126

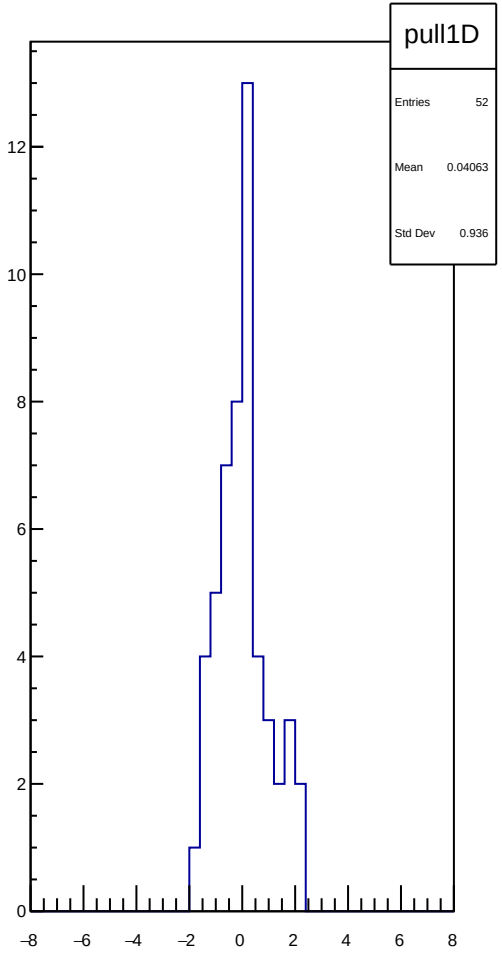

asym_us_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.058e+05 / 51
p0 24.04 ± 0.02415
70
60
50
40
30
20
10
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

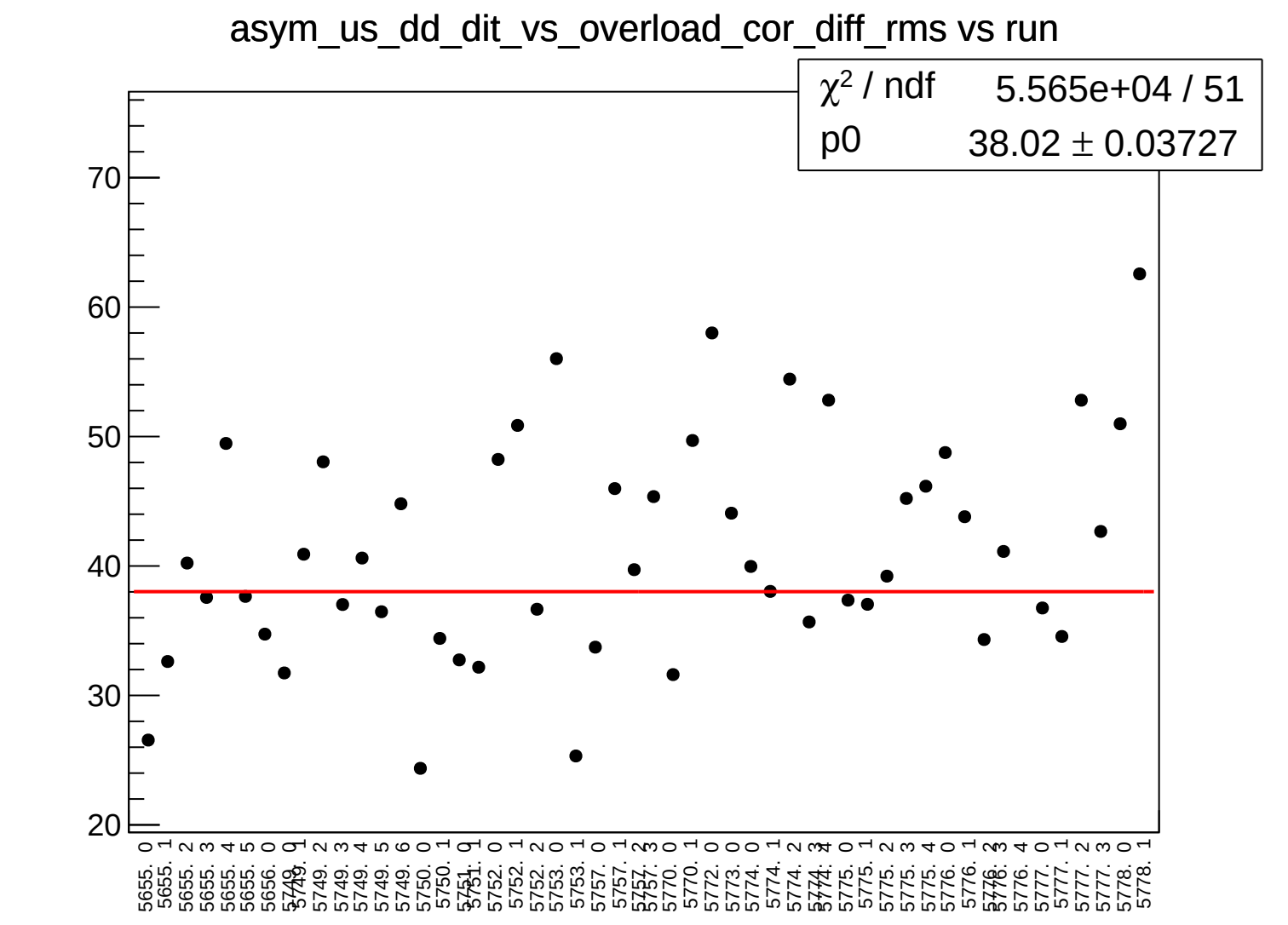

asym_us_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.97 / 51
p0 0.04139 ± 0.03415
pull
Entries 52
Mean −88.96
Std Dev 0

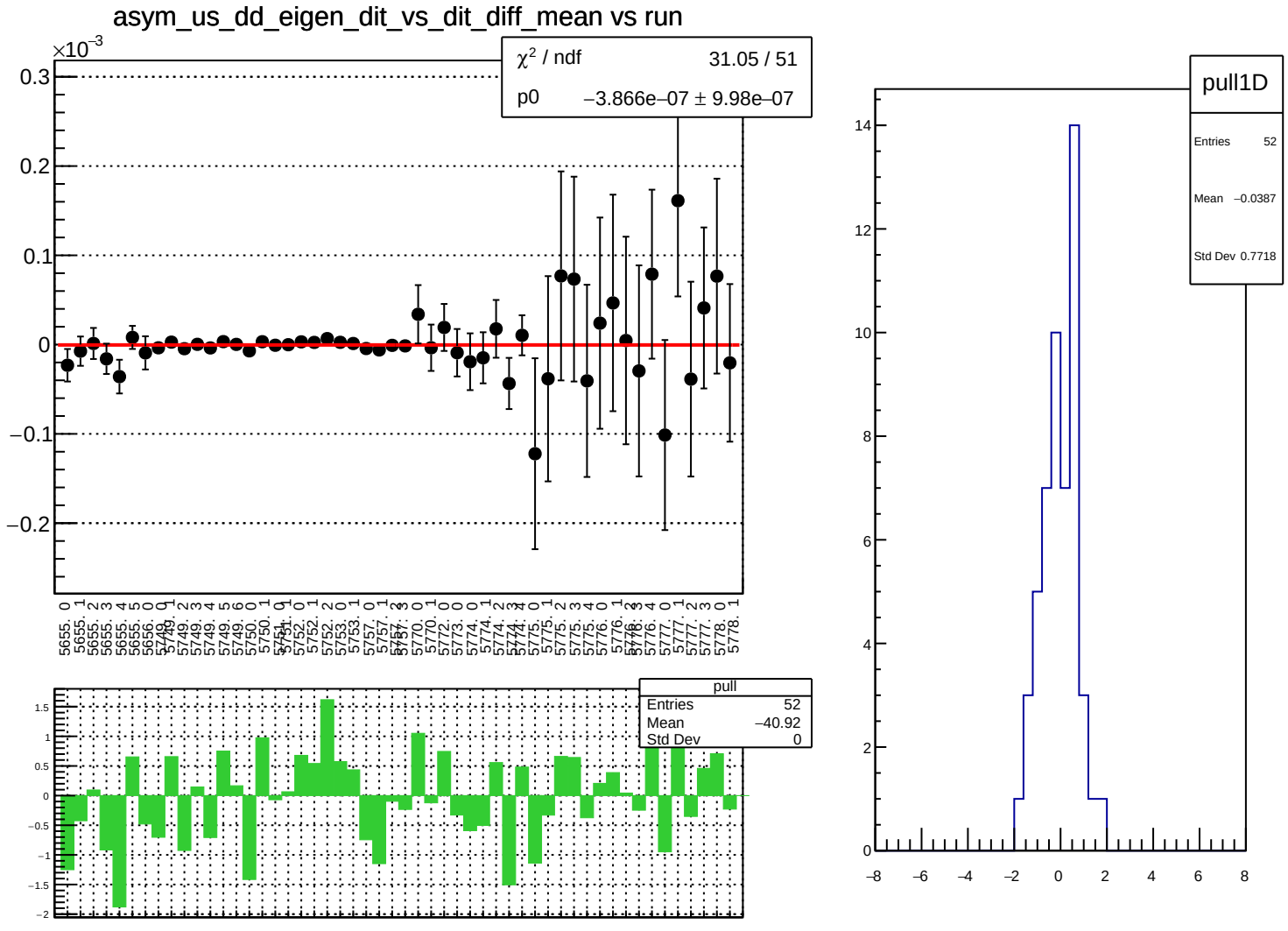

pull1D
Entries 52
Mean 0.0428
Std Dev 1.126

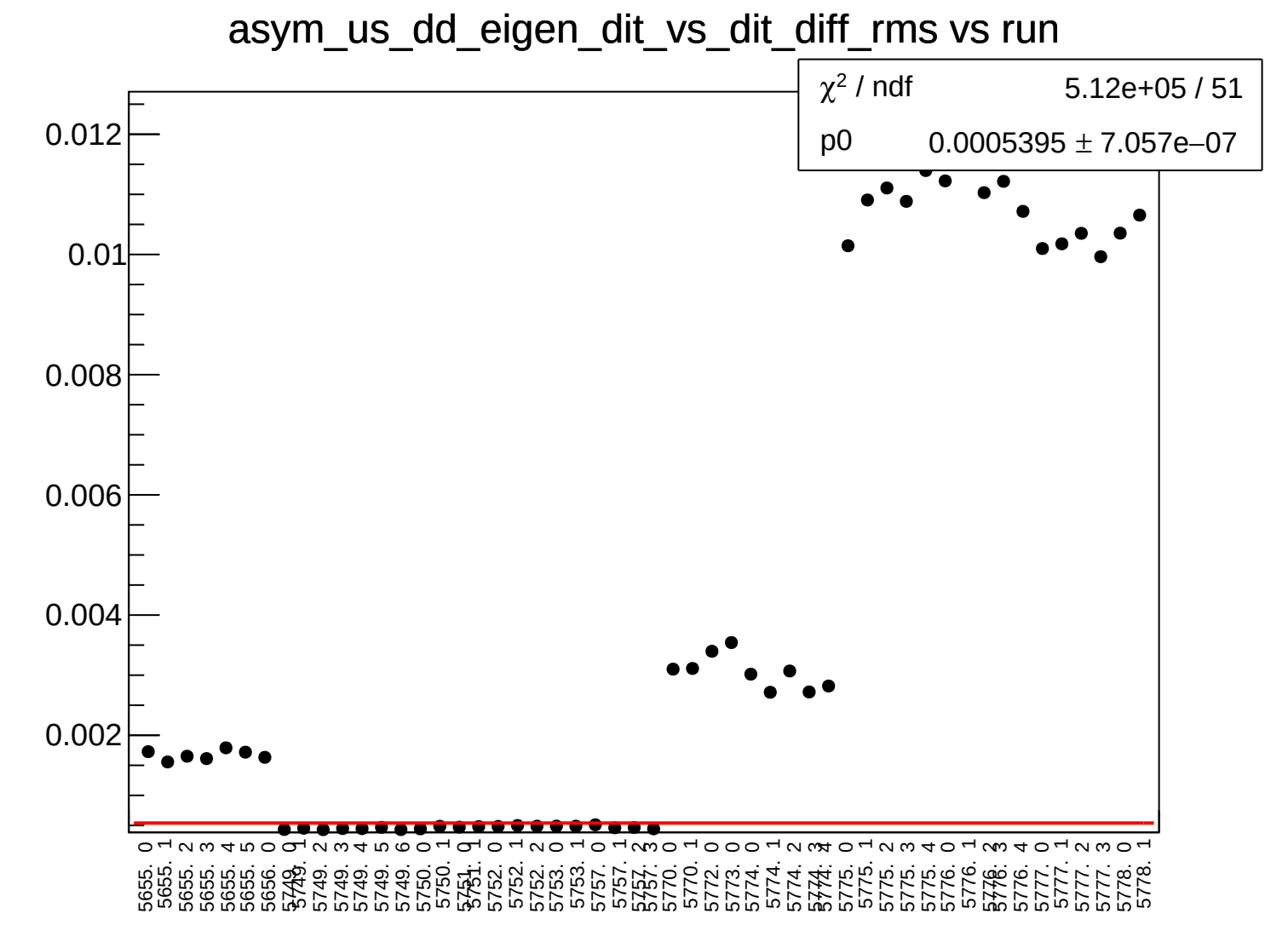

asym_us_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.058e+05 / 51
p0 24.04 ± 0.02415
70
60
50
40
30
20
10
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_dd_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 45.64 / 51
p0 0.08069 ± 0.0527
pull
Entries 52
Mean −16.79
Std Dev 0


pull1D
Entries 52
Mean 0.04063
Std Dev 0.936


asym_us_dd_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 5.565e+04 / 51
p0 38.02 ± 0.03727
70
60
50
40
30
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 31.05 / 51
p0 −3.866e−07 ± 9.98e−07
pull
Entries 52
Mean −40.92
Std Dev 0
pull1D
Entries 52
Mean −0.0387
Std Dev 0.7718


asym_us_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.12e+05 / 51
p0 0.0005395 ± 7.057e−07
0.012
0.01
0.008
0.006
0.004
0.002
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
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5777. 1
5777. 2
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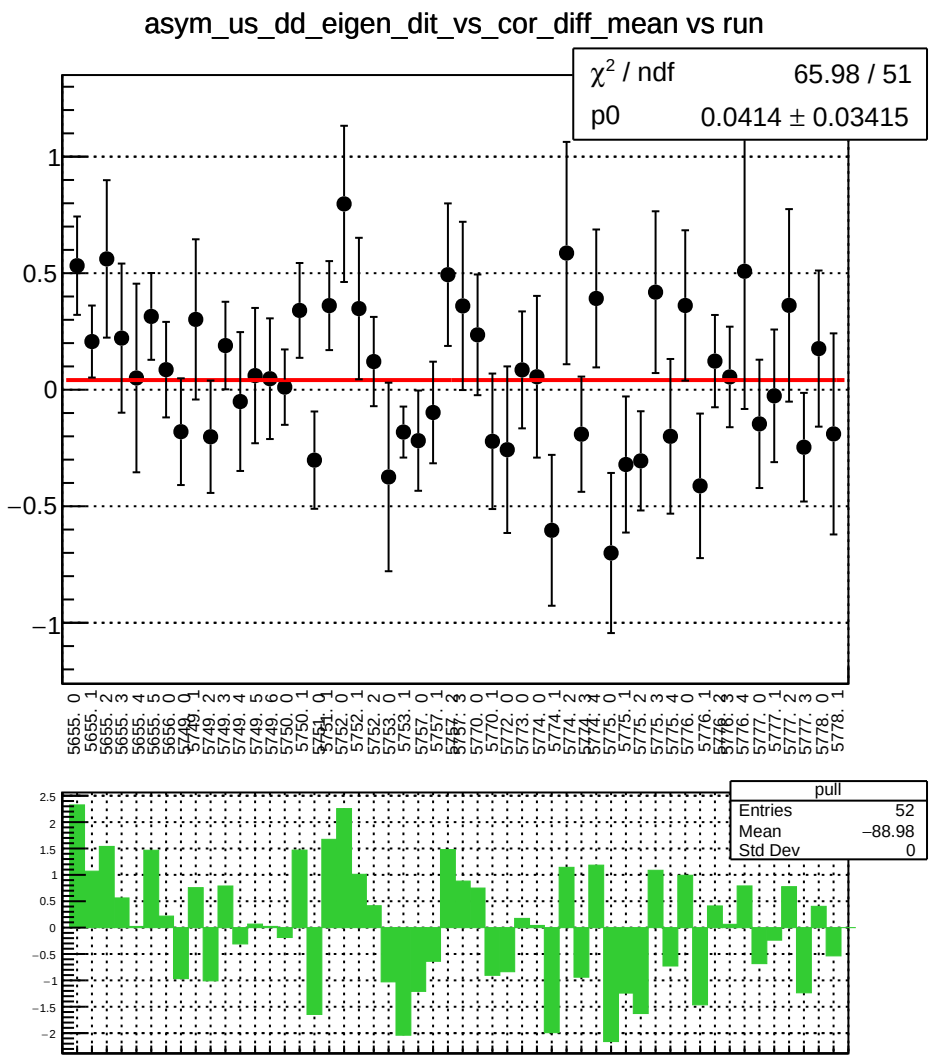
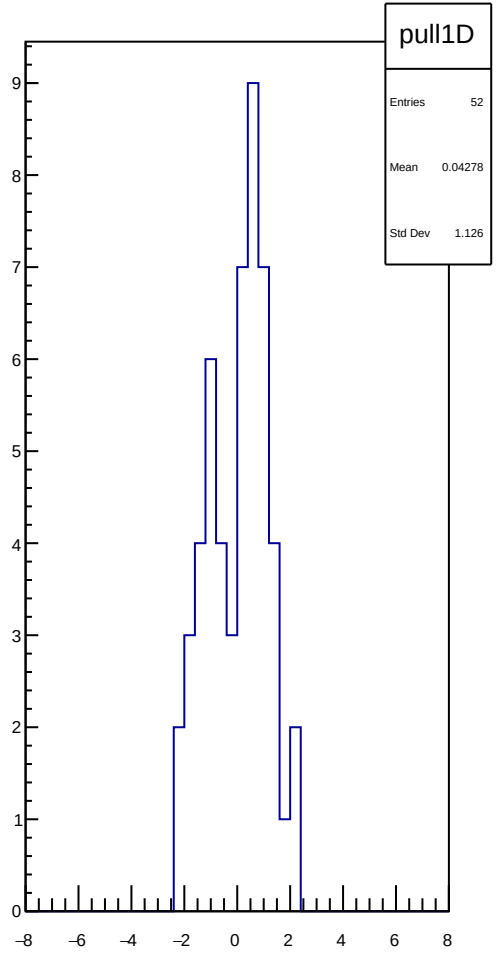
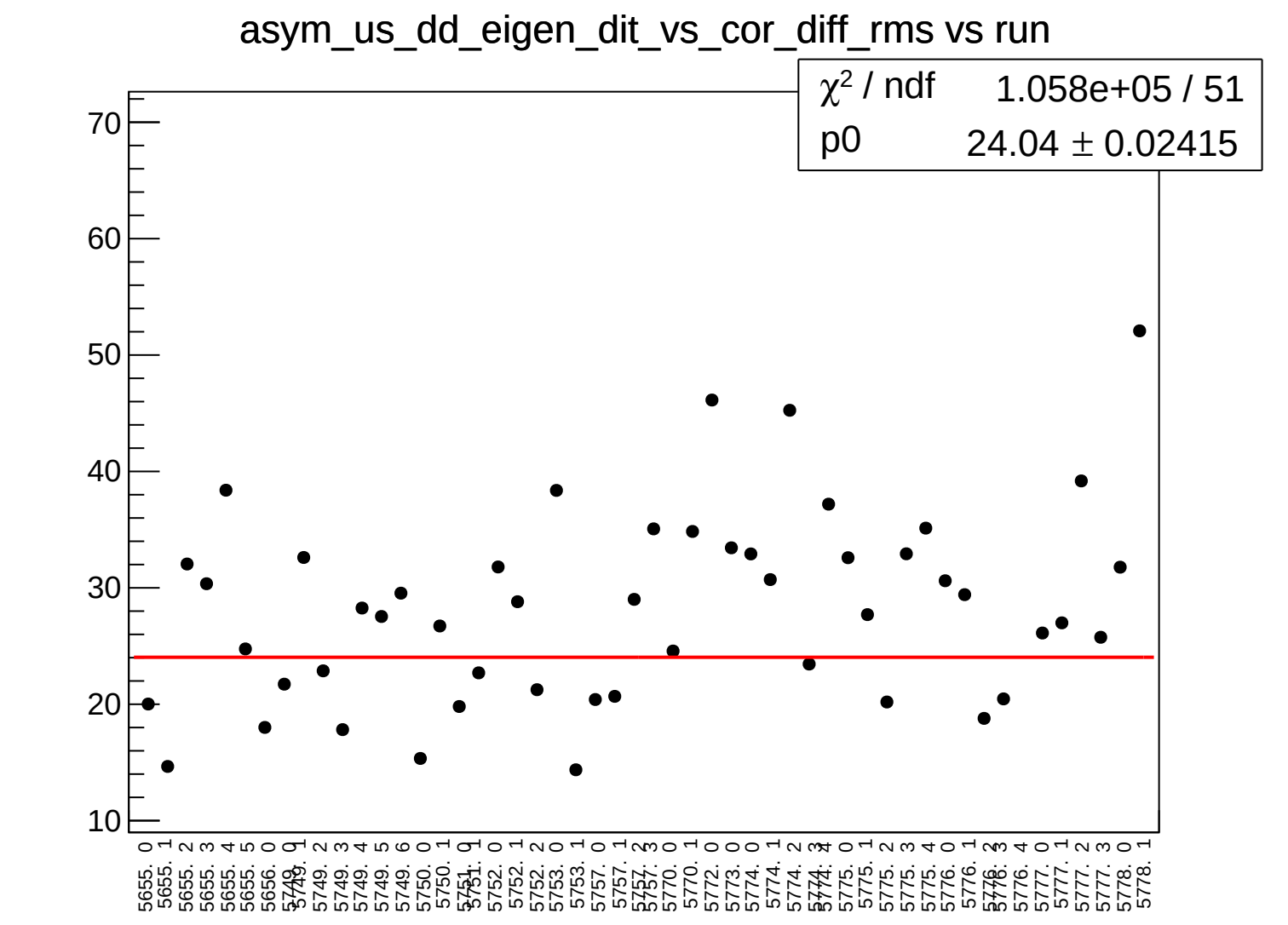
5778. 0
5778. 1


asym_us_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 65.98 / 51
p0 0.0414 ± 0.03415
pull
Entries 52
Mean −88.98
Std Dev 0


pull1D
Entries 52
Mean 0.04278
Std Dev 1.126


asym_us_dd_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.058e+05 / 51
p0 24.04 ± 0.02415
70
60
50
40
30
20
10
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
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5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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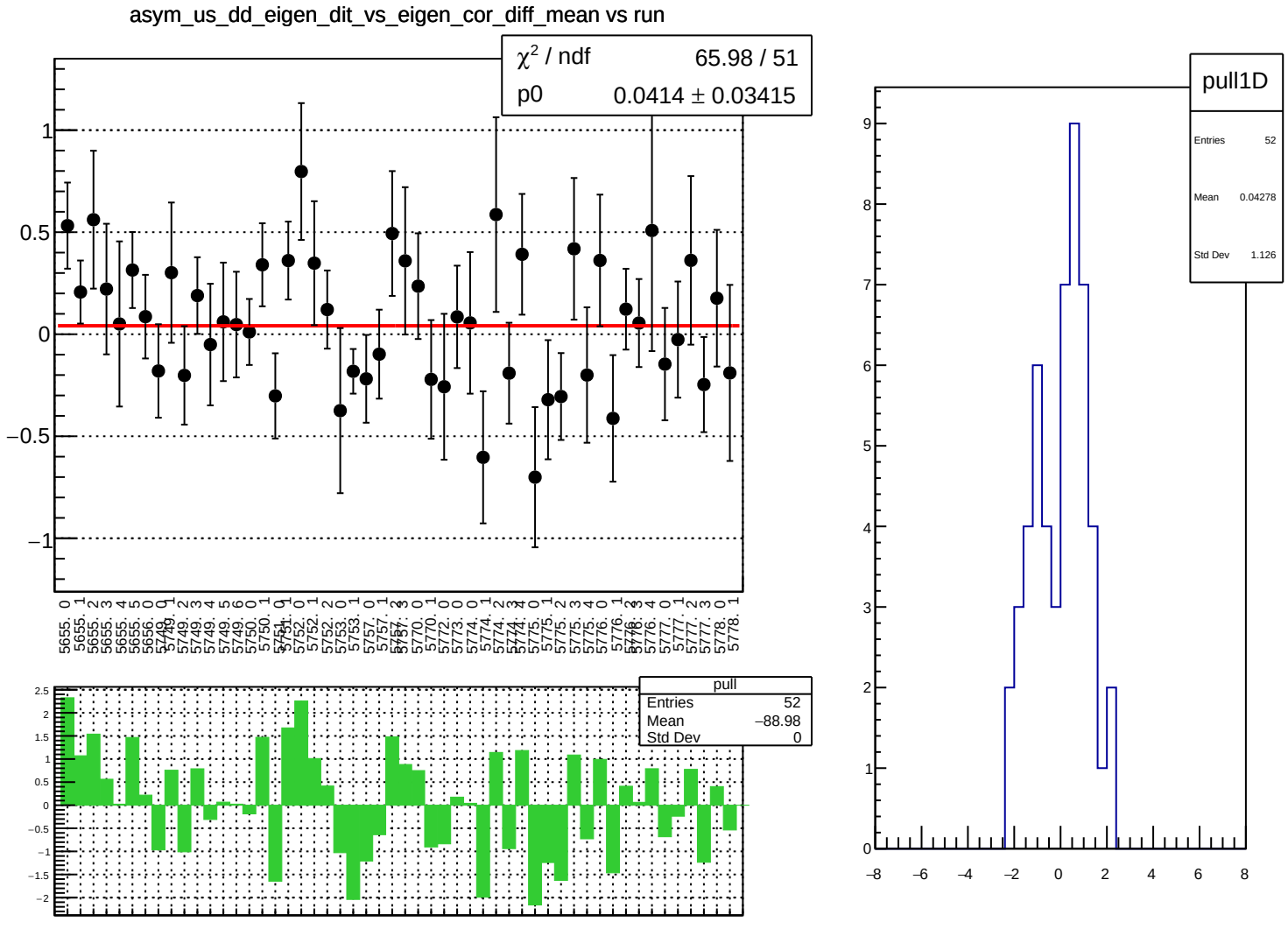
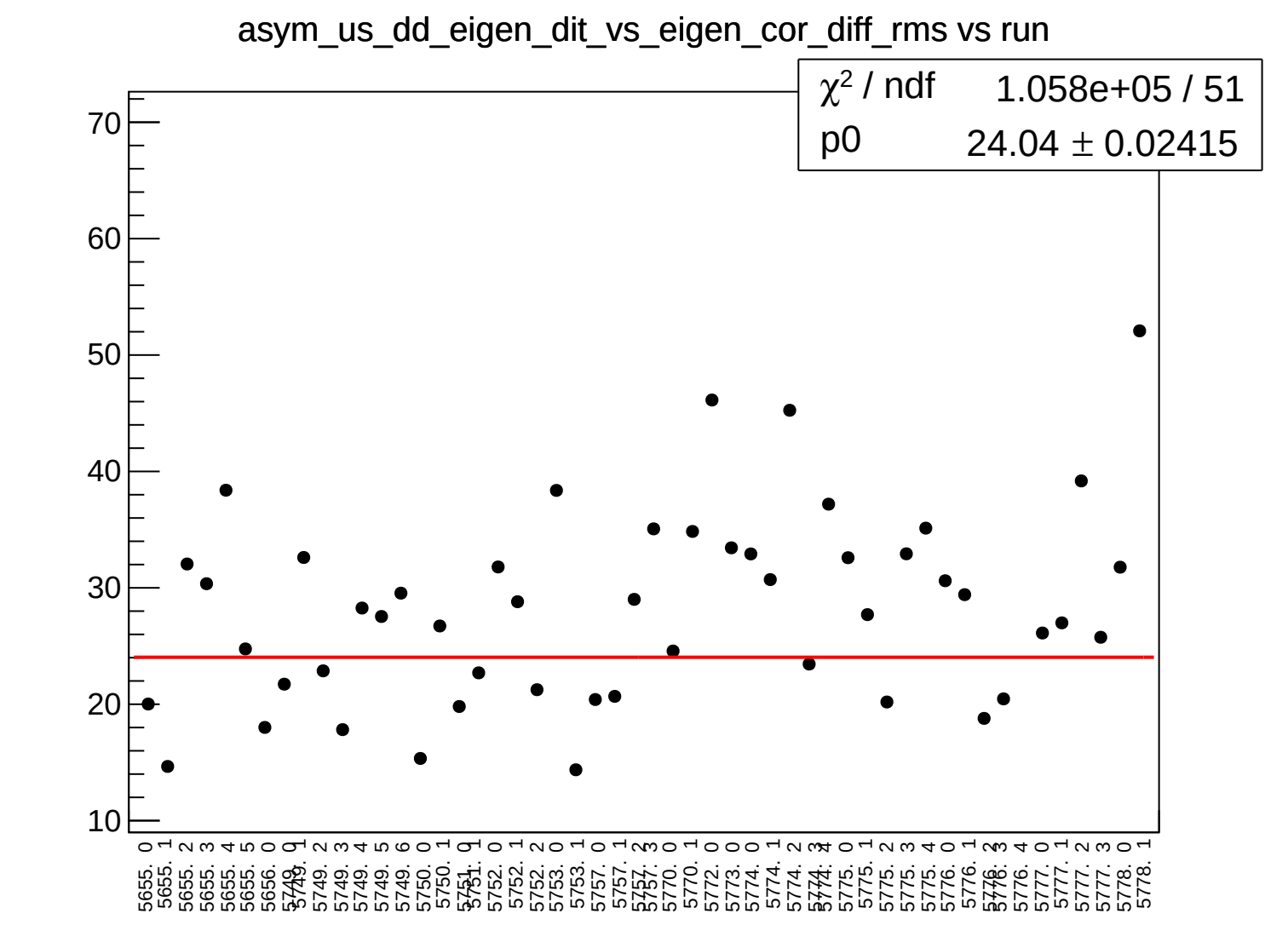
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.98 / 51
p0 0.0414 ± 0.03415
pull
Entries 52
Mean −88.98
Std Dev 0
pull1D
Entries 52
Mean 0.04278
Std Dev 1.126


asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.058e+05 / 51
p0 24.04 ± 0.02415
70
60
50
40
30
20
10
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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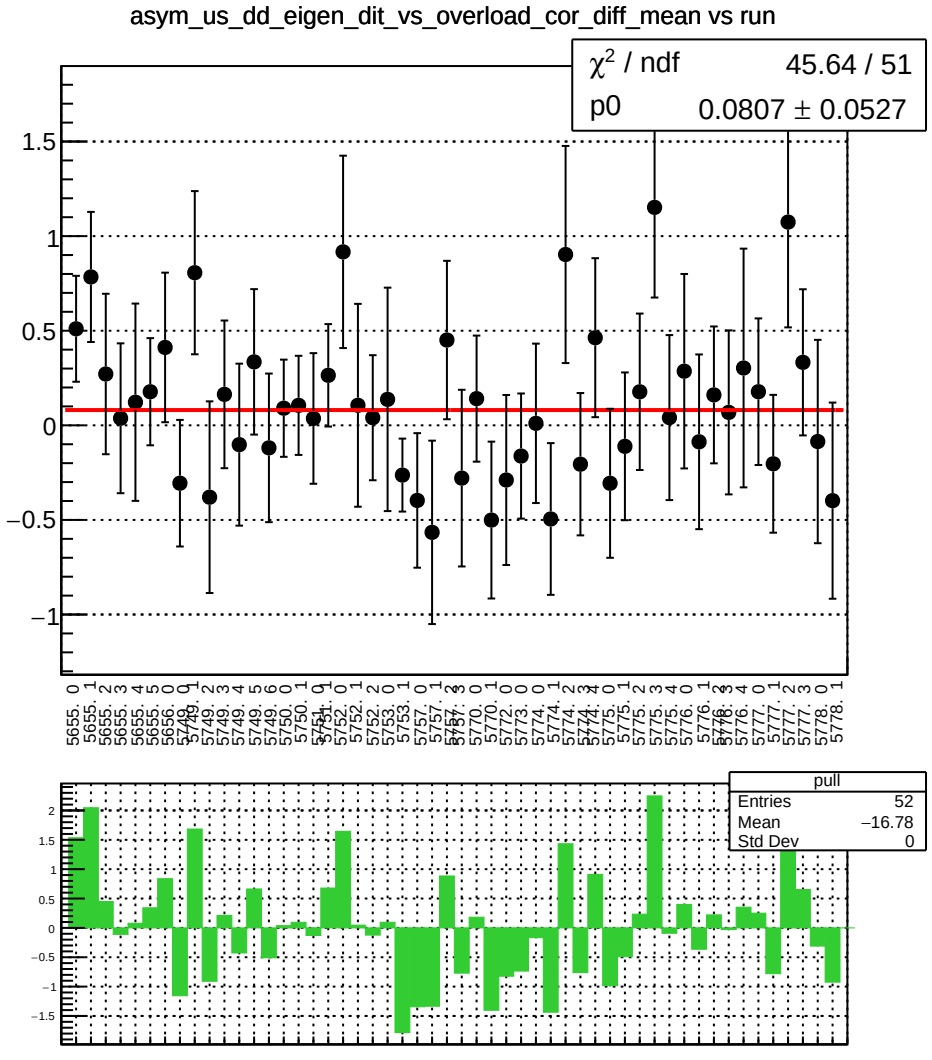
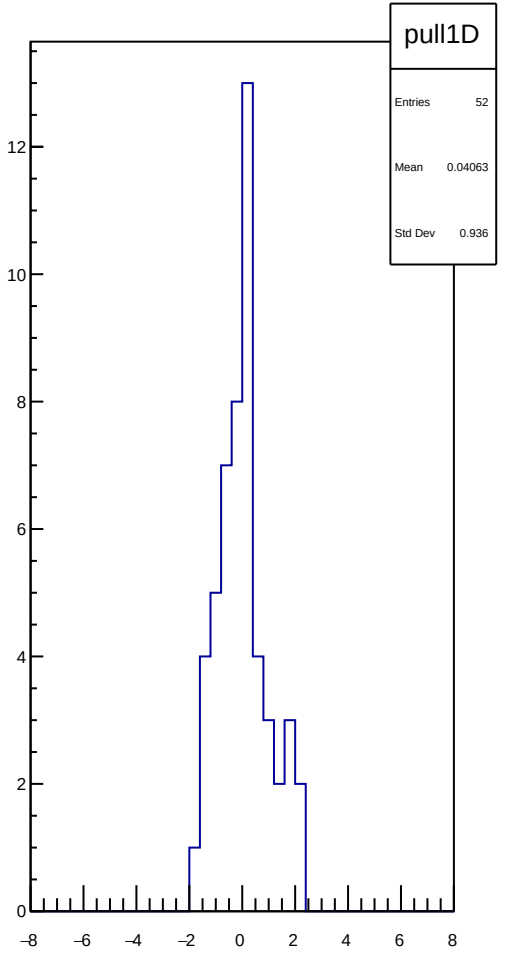
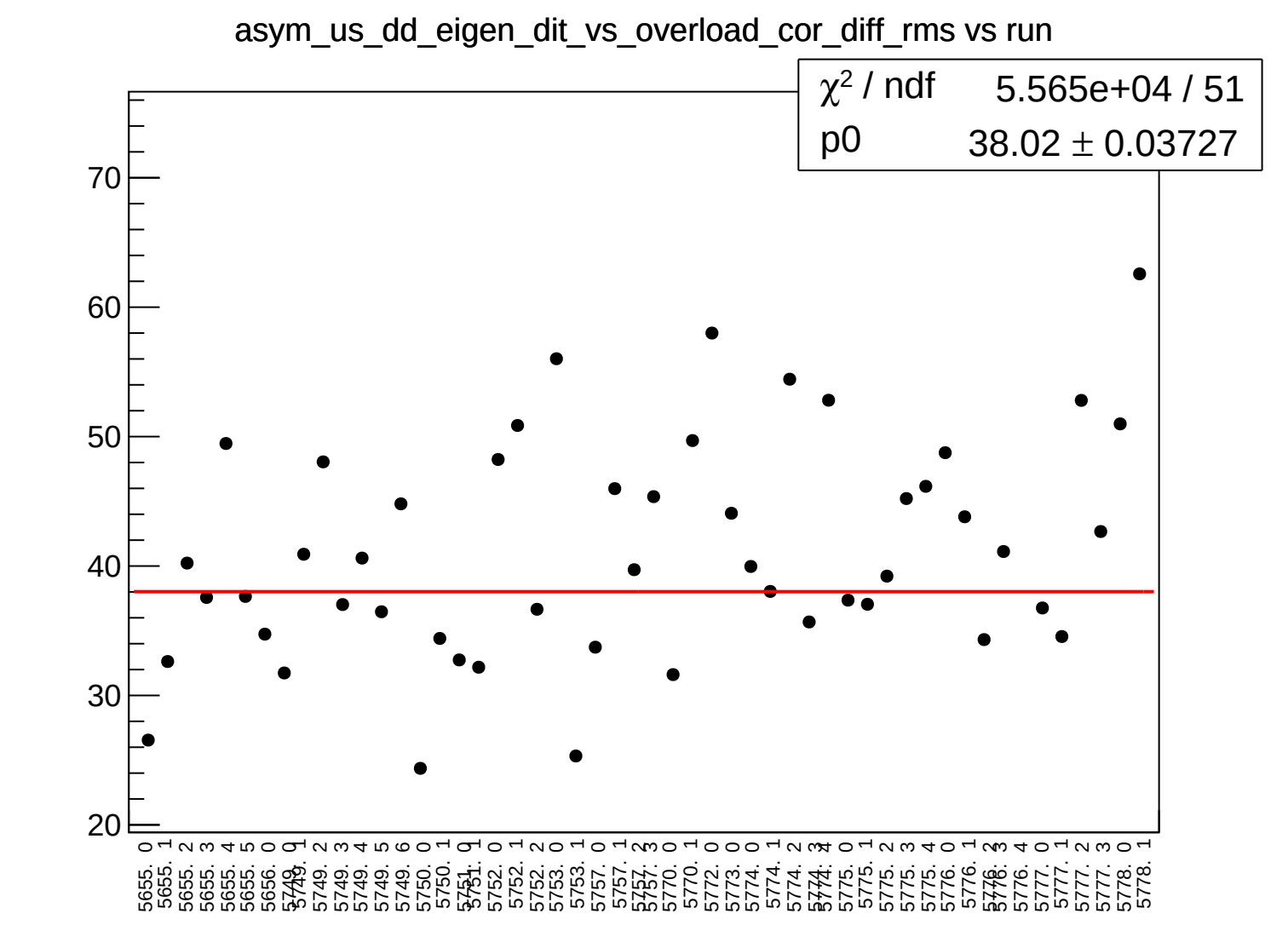
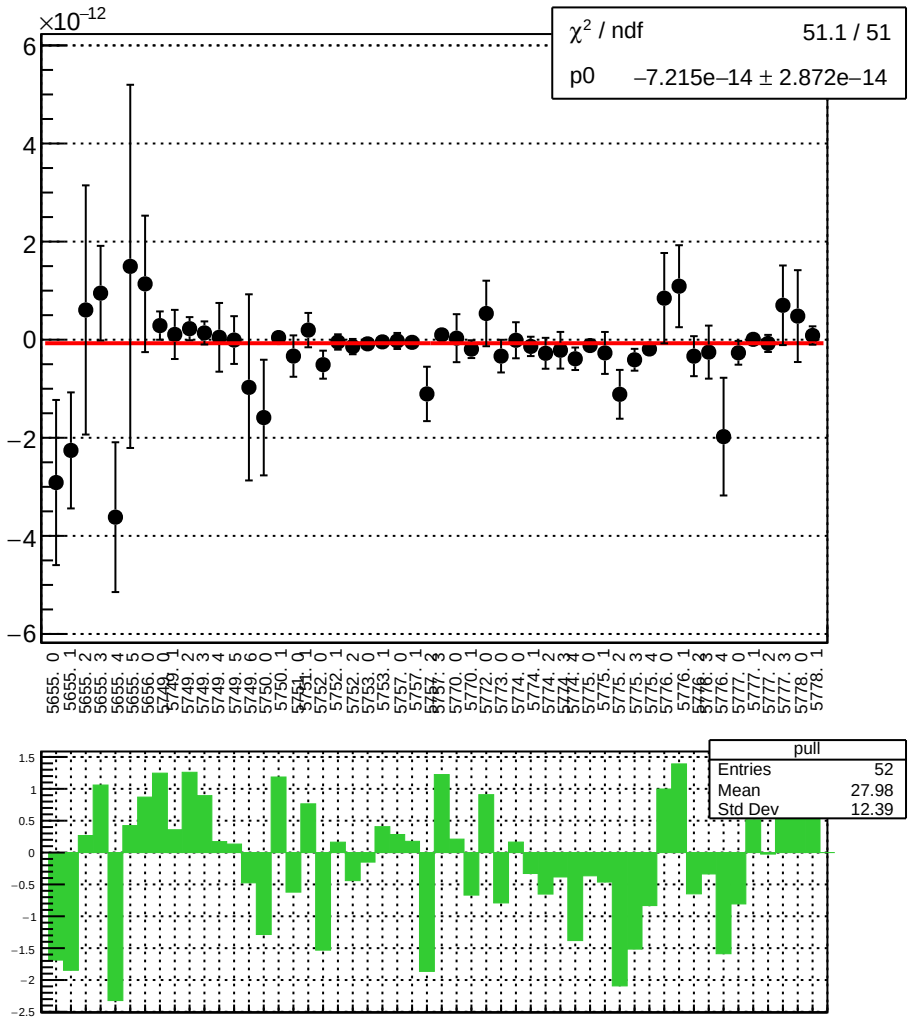
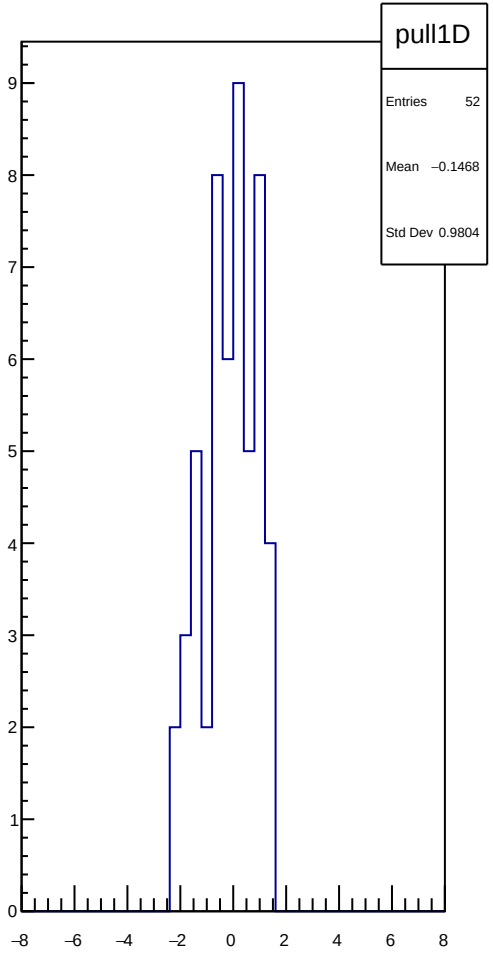
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

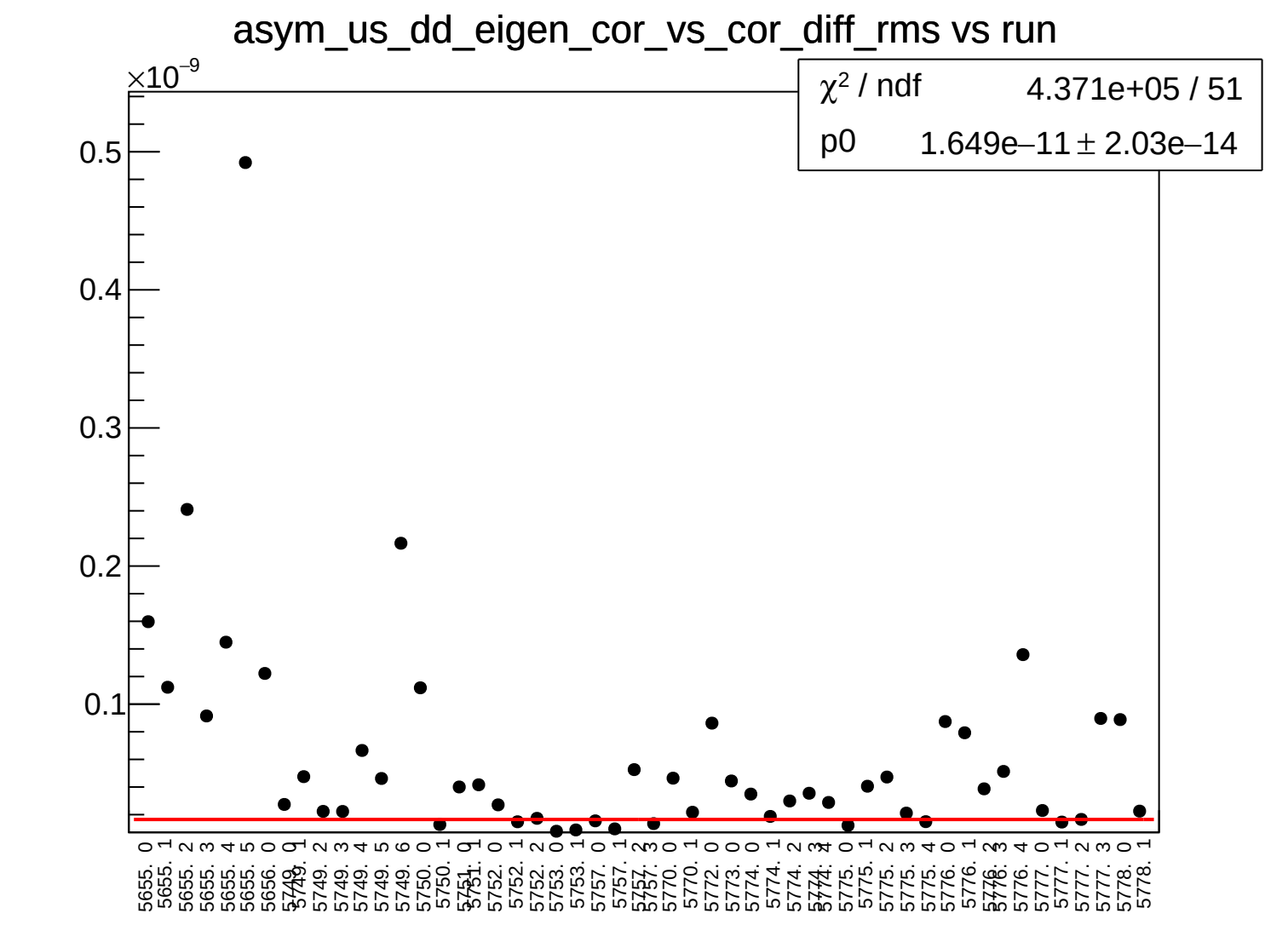

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 45.64 / 51
p0 0.0807 ± 0.0527
pull
Entries 52
Mean −16.78
Std Dev 0


pull1D
Entries 52
Mean 0.04063
Std Dev 0.936


asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 5.565e+04 / 51
p0 38.02 ± 0.03727
70
60
50
40
30
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.1 / 51
p0 −7.215e−14 ± 2.872e−14
pull
Entries 52
Mean 27.98
Std Dev 12.39


pull1D
Entries 52
Mean −0.1468
Std Dev 0.9804


asym_us_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.371e+05 / 51
p0 1.649e−11 ± 2.03e−14
0.5
0.4
0.3
0.2
0.1
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
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5753. 1
5757. 0
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5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
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5775. 1
5775. 2
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5775. 4
5776. 0
5776. 1
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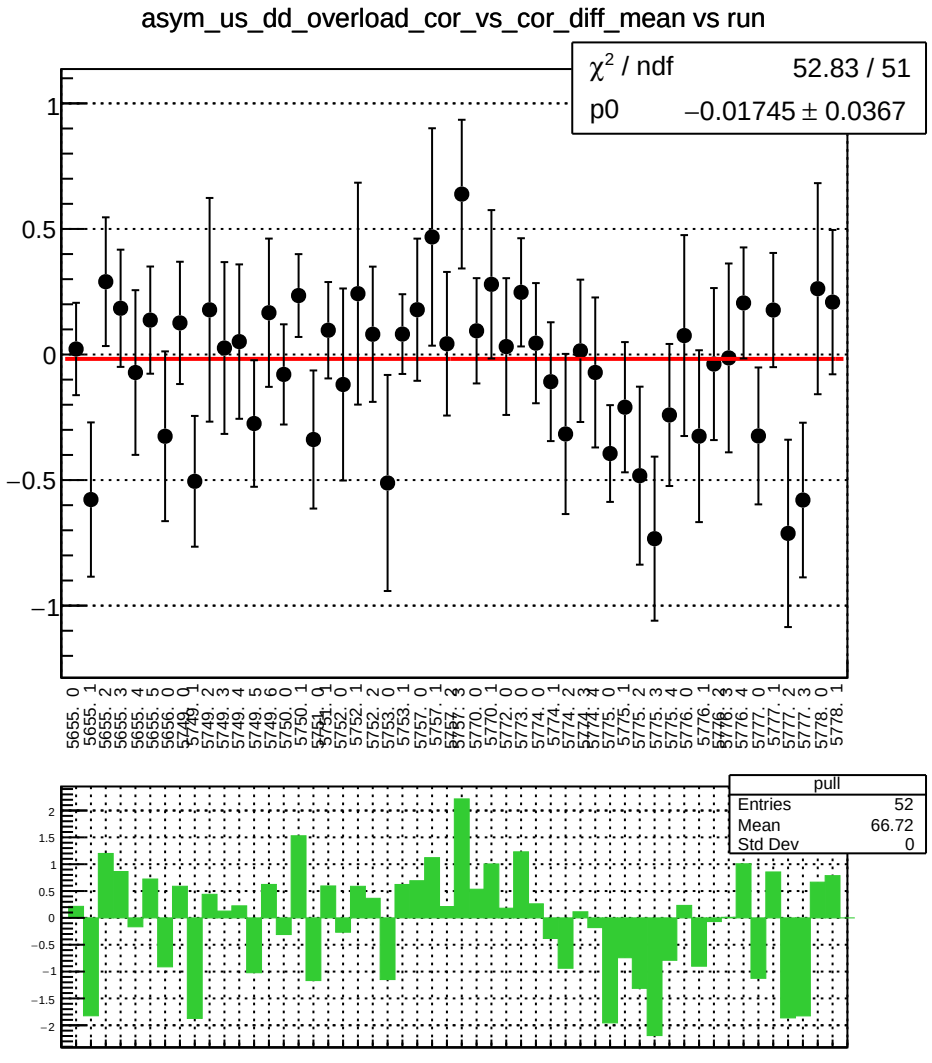
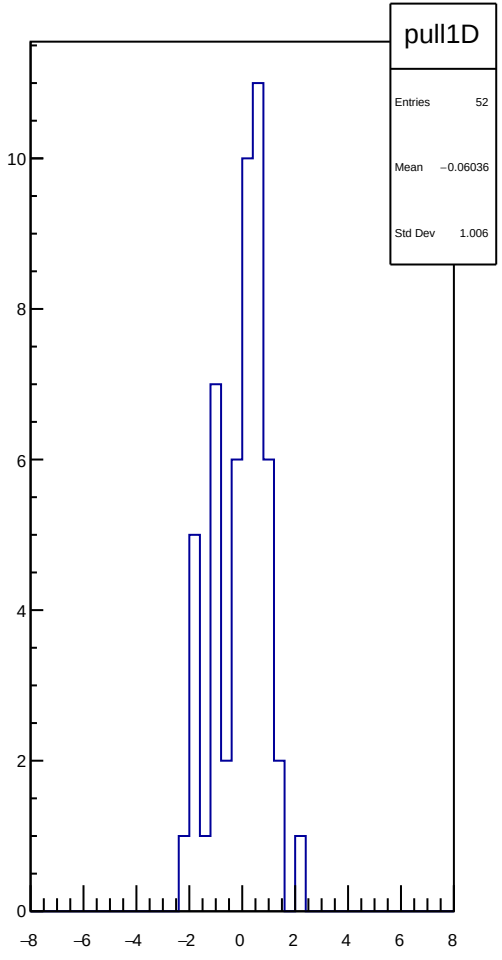
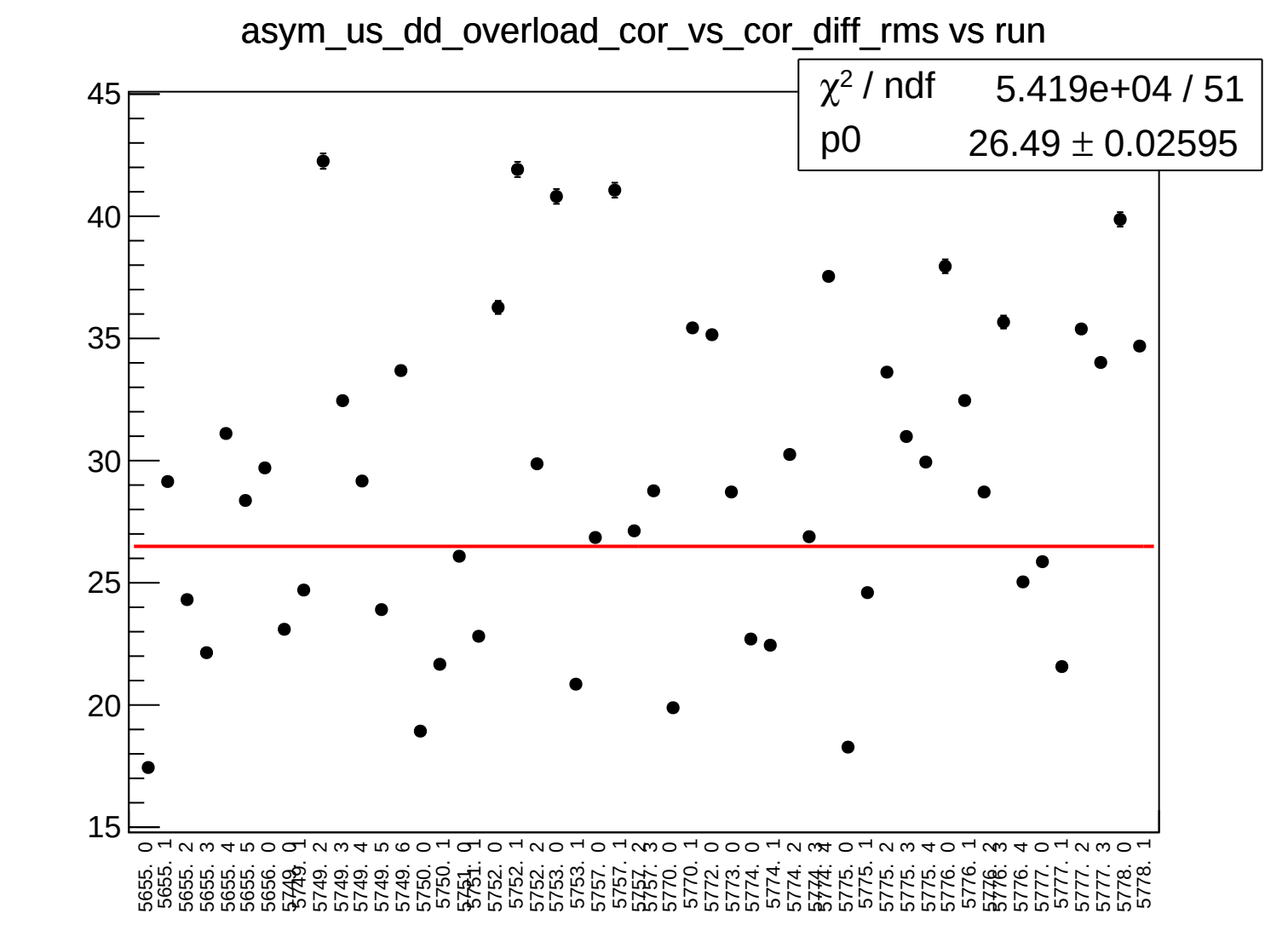
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_dd_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 52.83 / 51
p0 −0.01745 ± 0.0367
pull
Entries 52
Mean 66.72
Std Dev 0


pull1D
Entries 52
Mean −0.06036
Std Dev 1.006


asym_us_dd_overload_cor_vs_cor_diff_rms vs run
χ^2 / ndf 5.419e+04 / 51
p0 26.49 ± 0.02595
45
40
35
30
25
20
15
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
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5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
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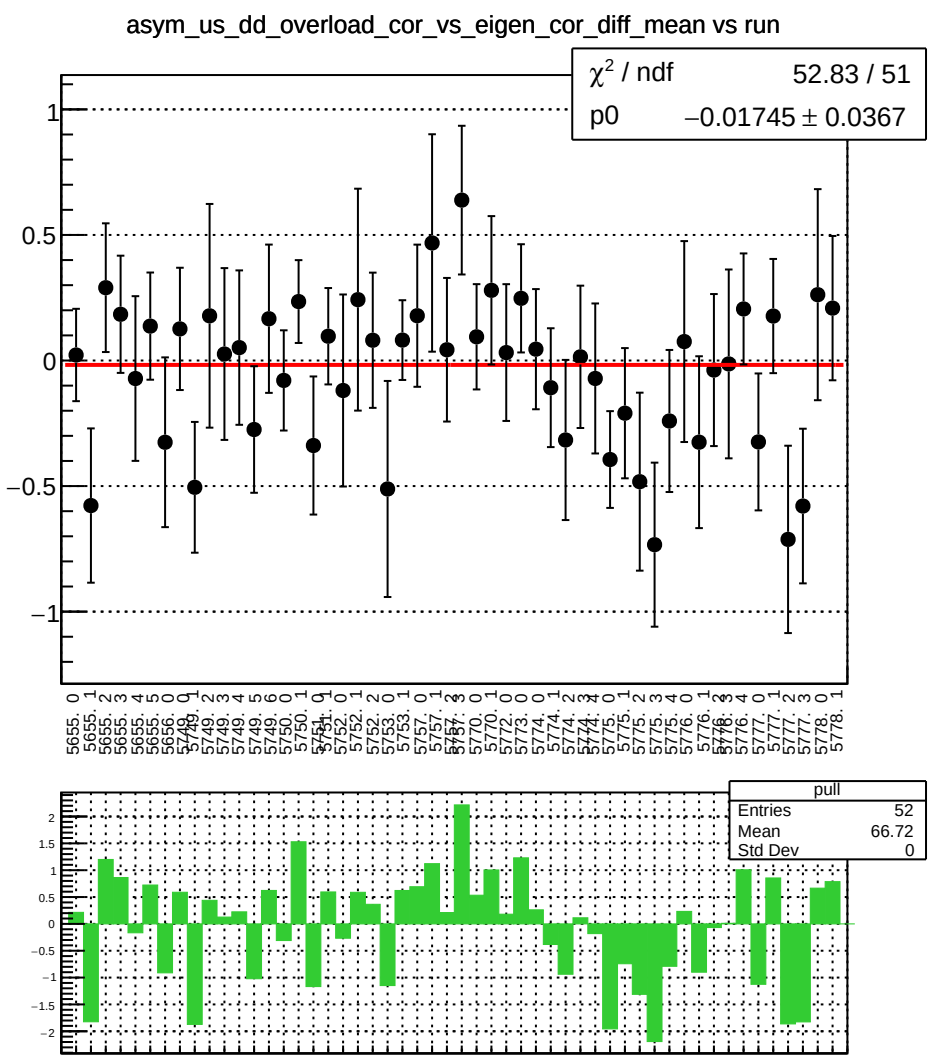
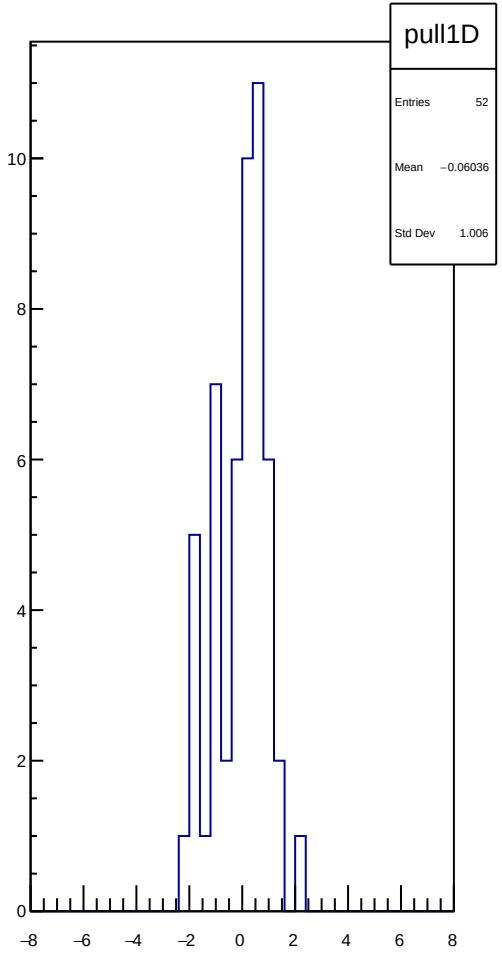
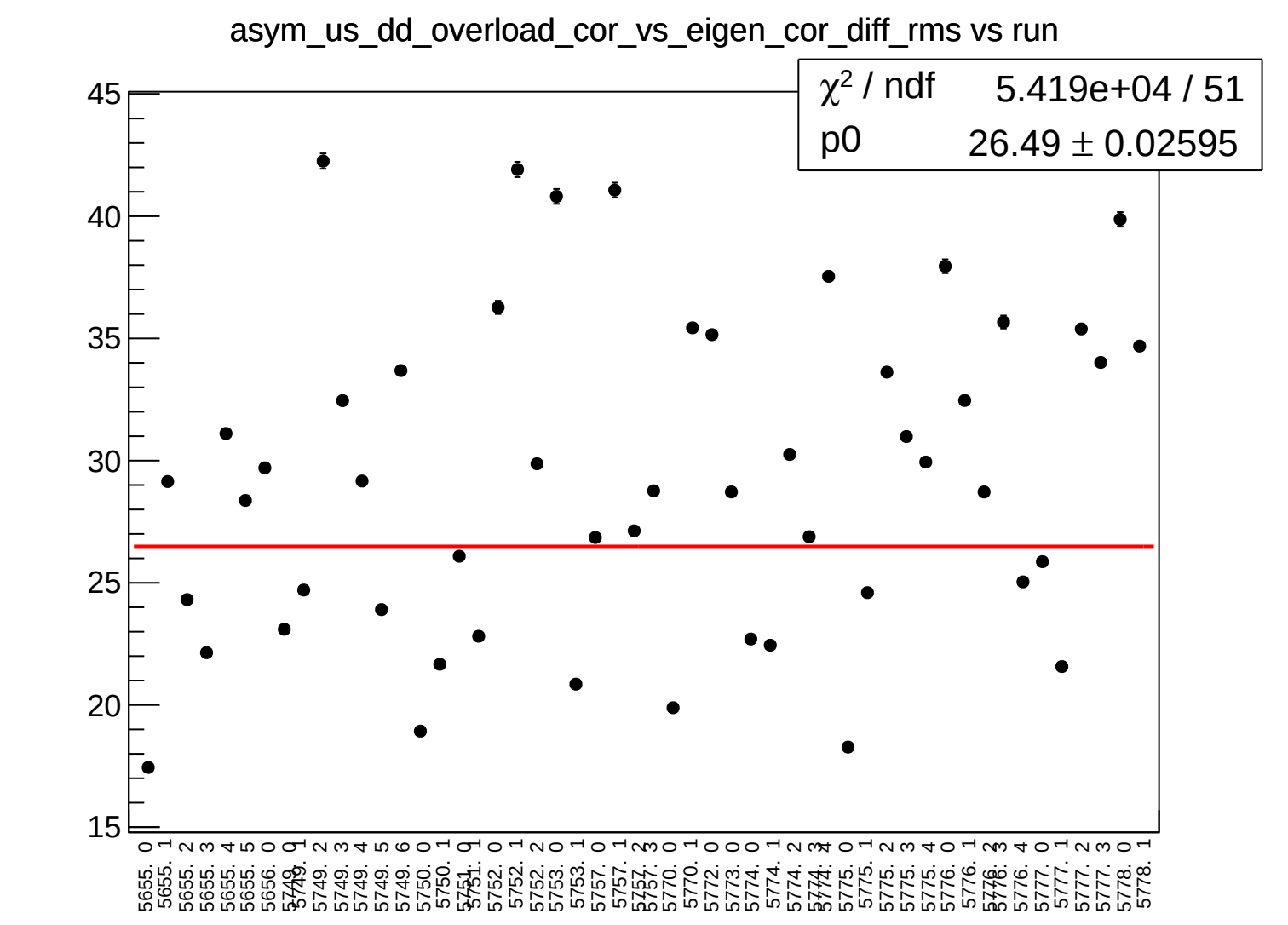
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.83 / 51
p0 −0.01745 ± 0.0367
pull
Entries 52
Mean 66.72
Std Dev 0


pull1D
Entries 52
Mean −0.06036
Std Dev 1.006


asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.419e+04 / 51
p0 26.49 ± 0.02595
45
40
35
30
25
20
15
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
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5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
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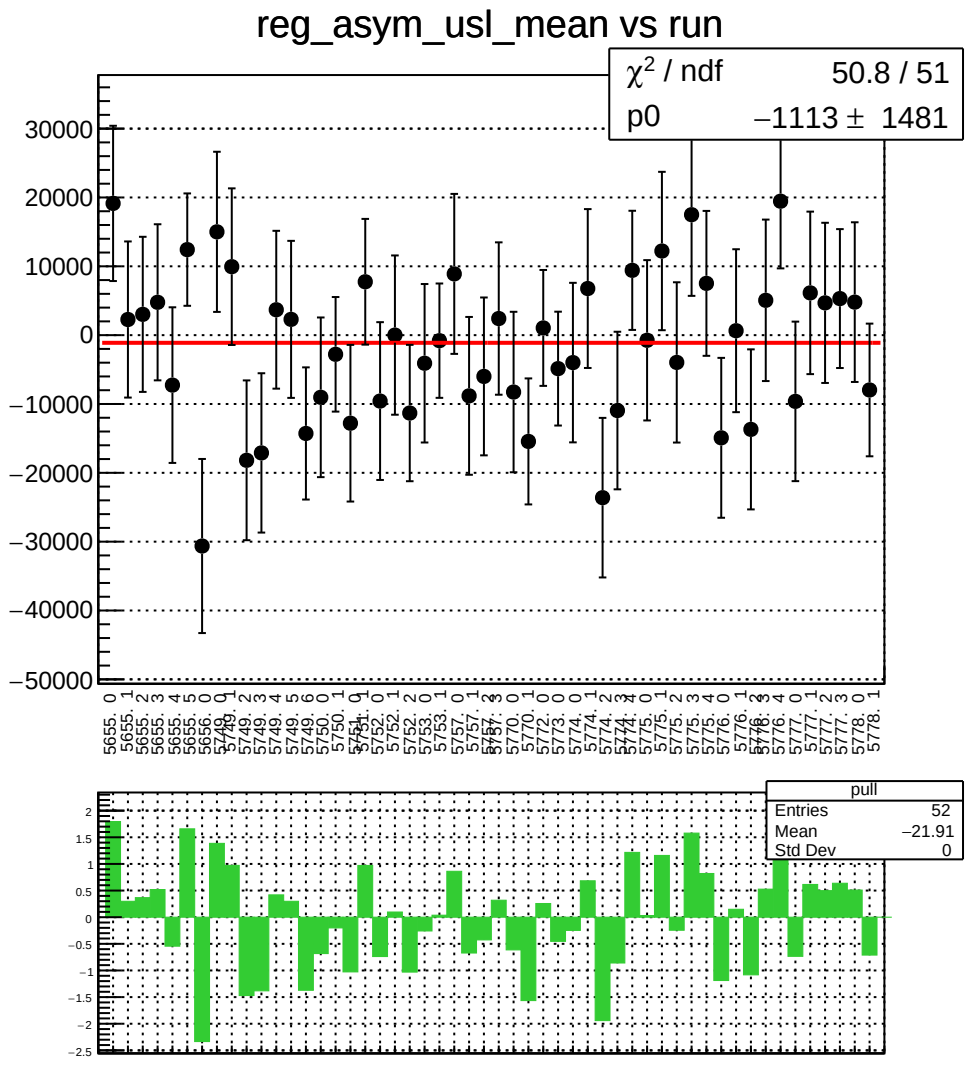
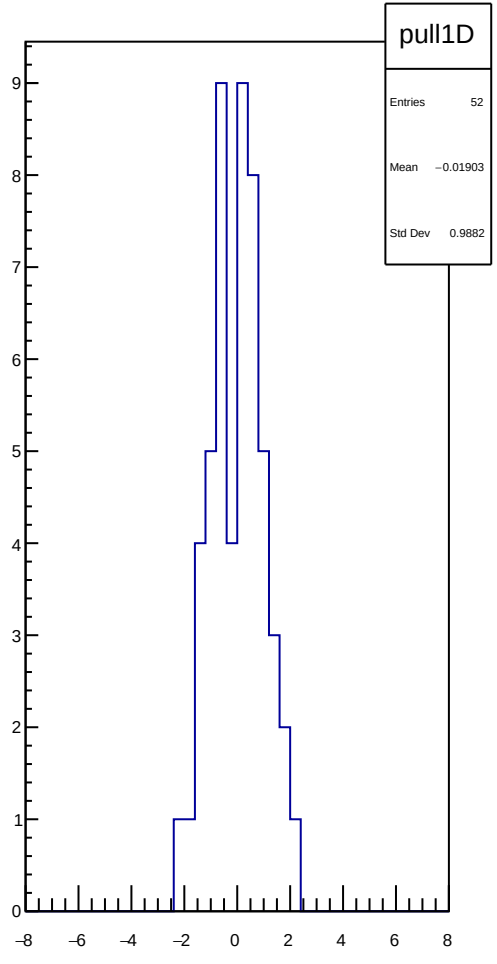
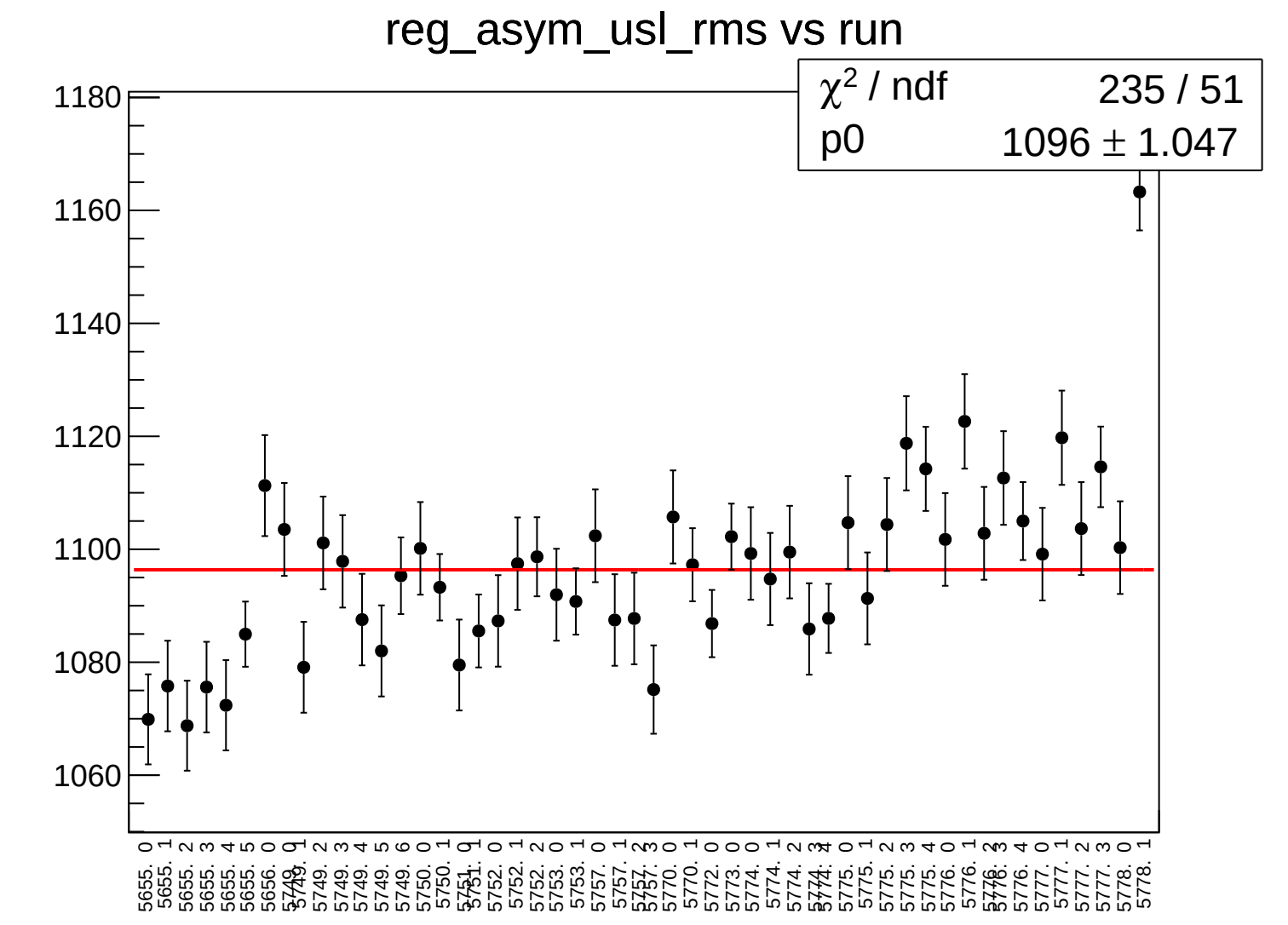
5778. 0
5778. 1


reg_asym_usl_mean vs run
χ^2 / ndf 50.8 / 51
p0 −1113 ± 1481
pull
Entries 52
Mean −21.91
Std Dev 0


pull1D
Entries 52
Mean −0.01903
Std Dev 0.9882


reg_asym_usl_rms vs run
χ² / ndf 235 / 51
p0 1096 ± 1.047
1180
1160
1140
1120
1100
1080
1060
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
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5776. 0
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5776. 4
5777. 0
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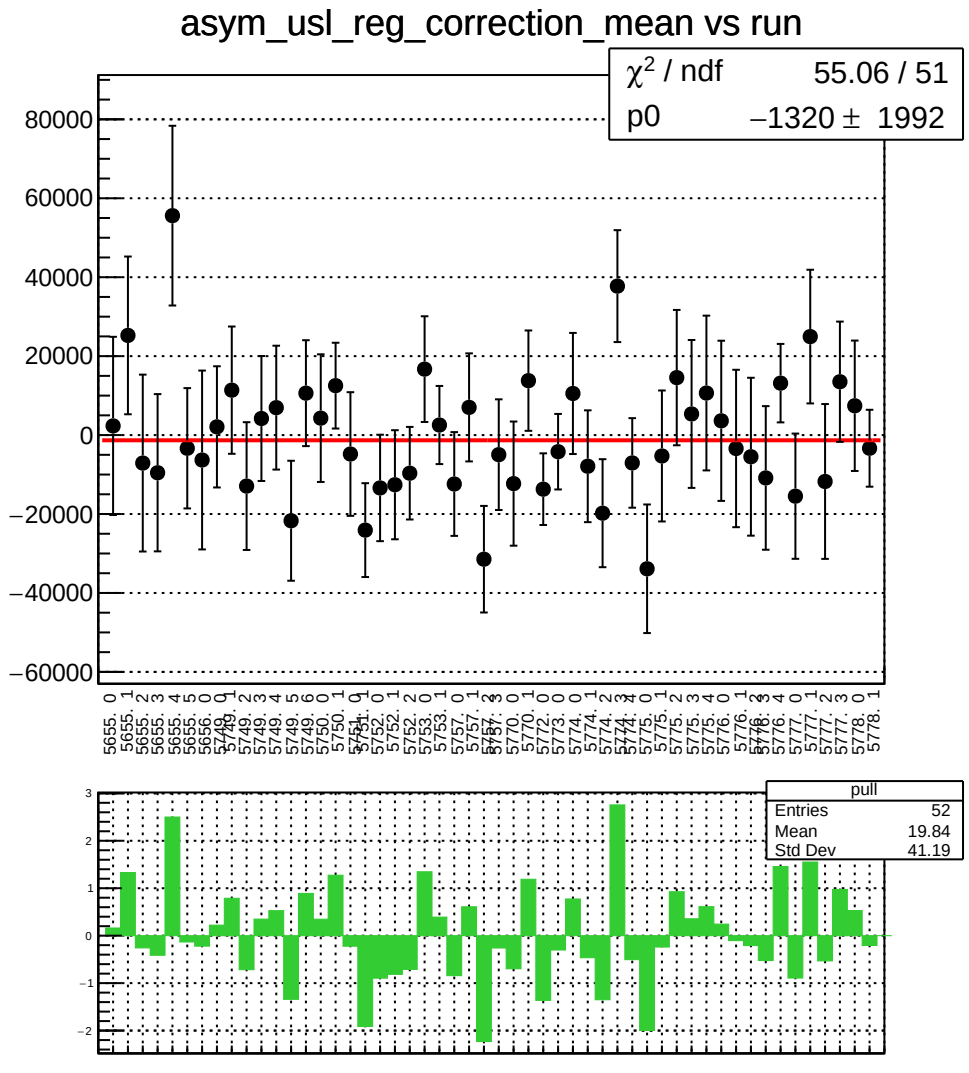
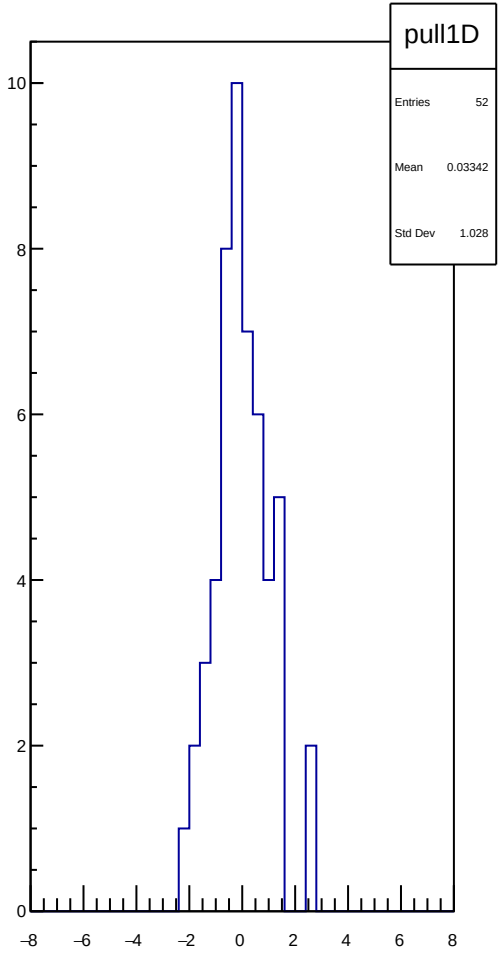
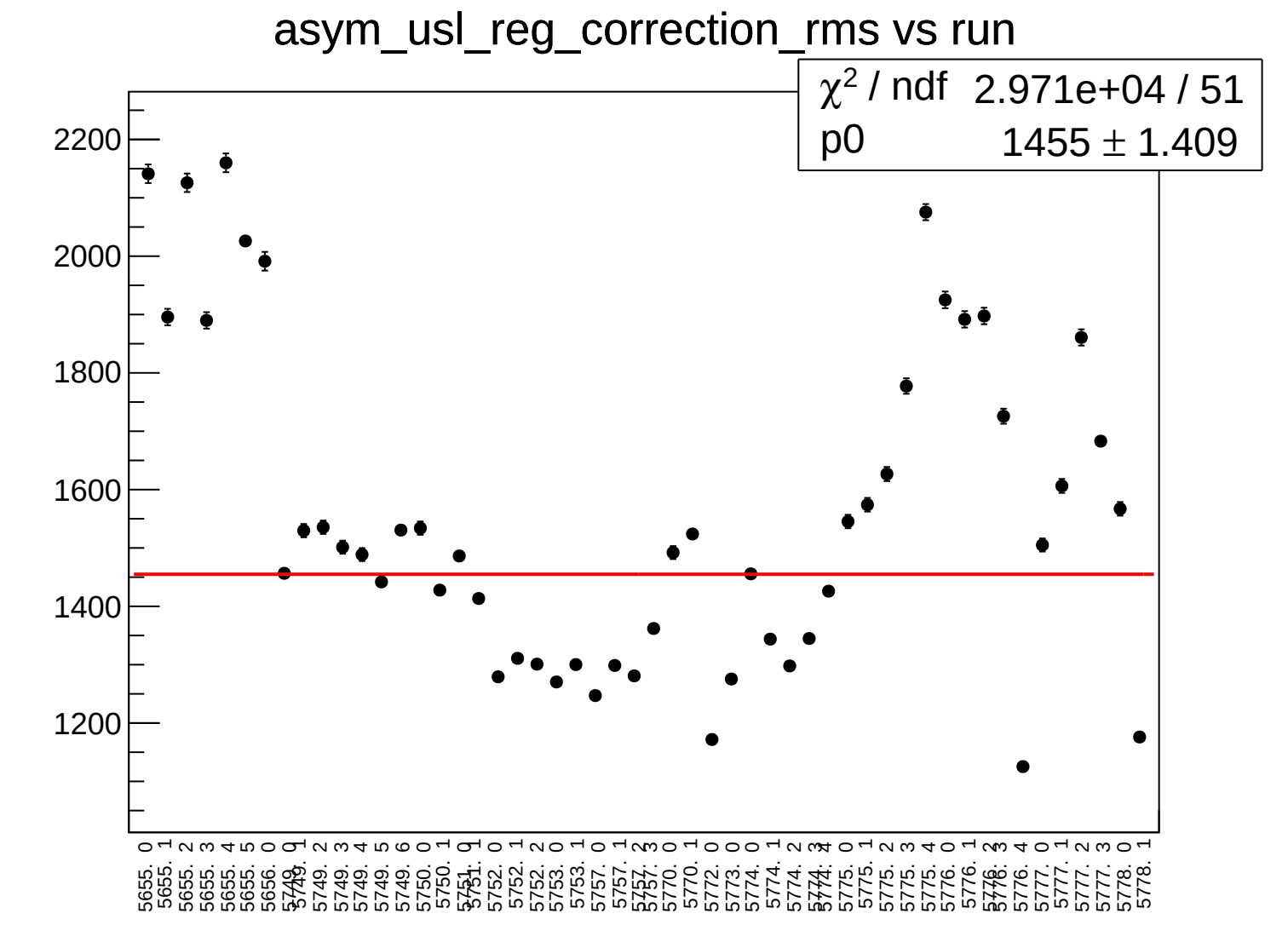
5777. 2
5777. 3
5778. 0
5778. 1


asym_usl_reg_correction_mean vs run
χ² / ndf 55.06 / 51
p0 −1320 ± 1992
pull
Entries 52
Mean 19.84
Std Dev 41.19


pull1D
Entries 52
Mean 0.03342
Std Dev 1.028


asym_usl_reg_correction_rms vs run
χ² / ndf 2.971e+04 / 51
p0 1455 ± 1.409
2200
2000
1800
1600
1400
1200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
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5752. 1
5752. 2
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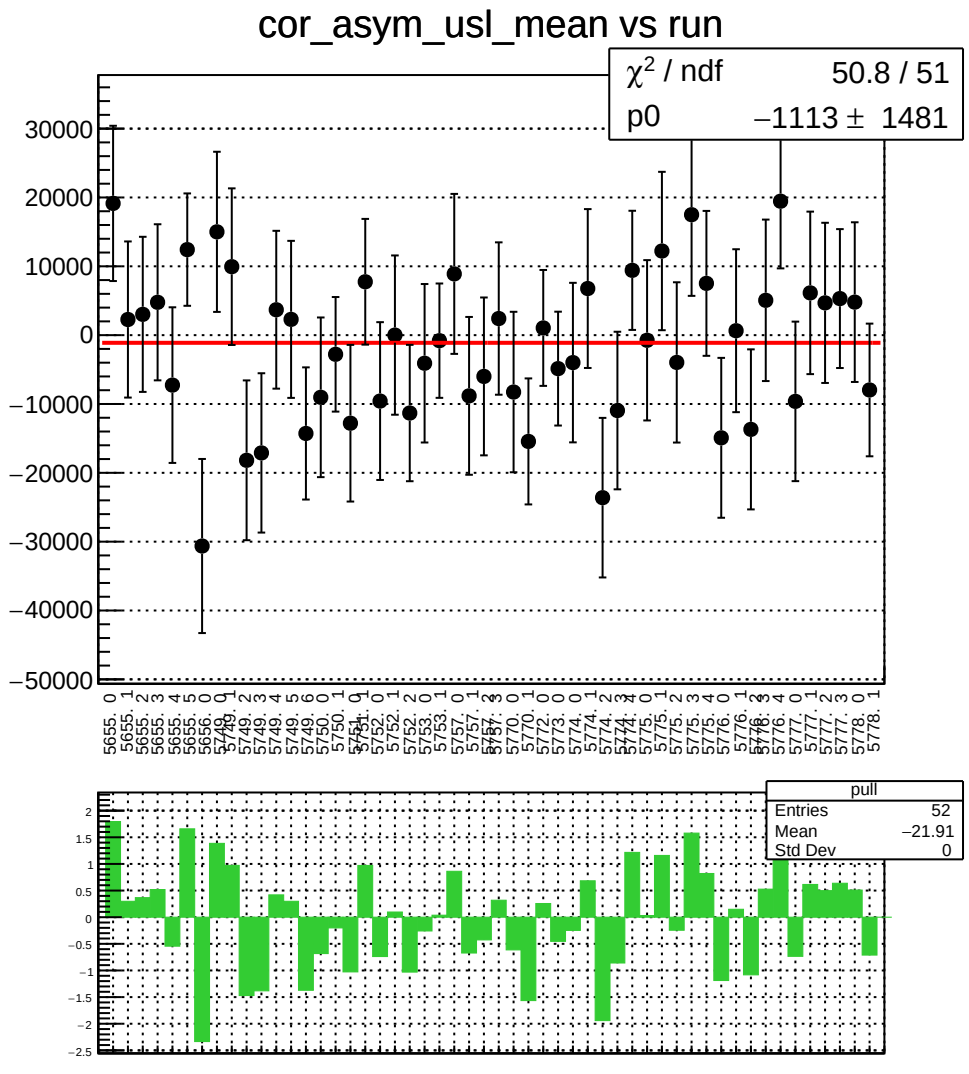
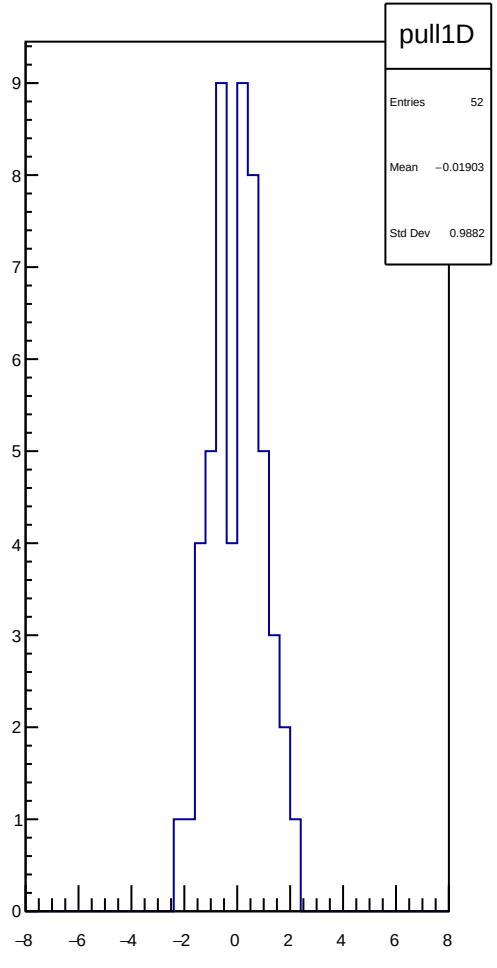
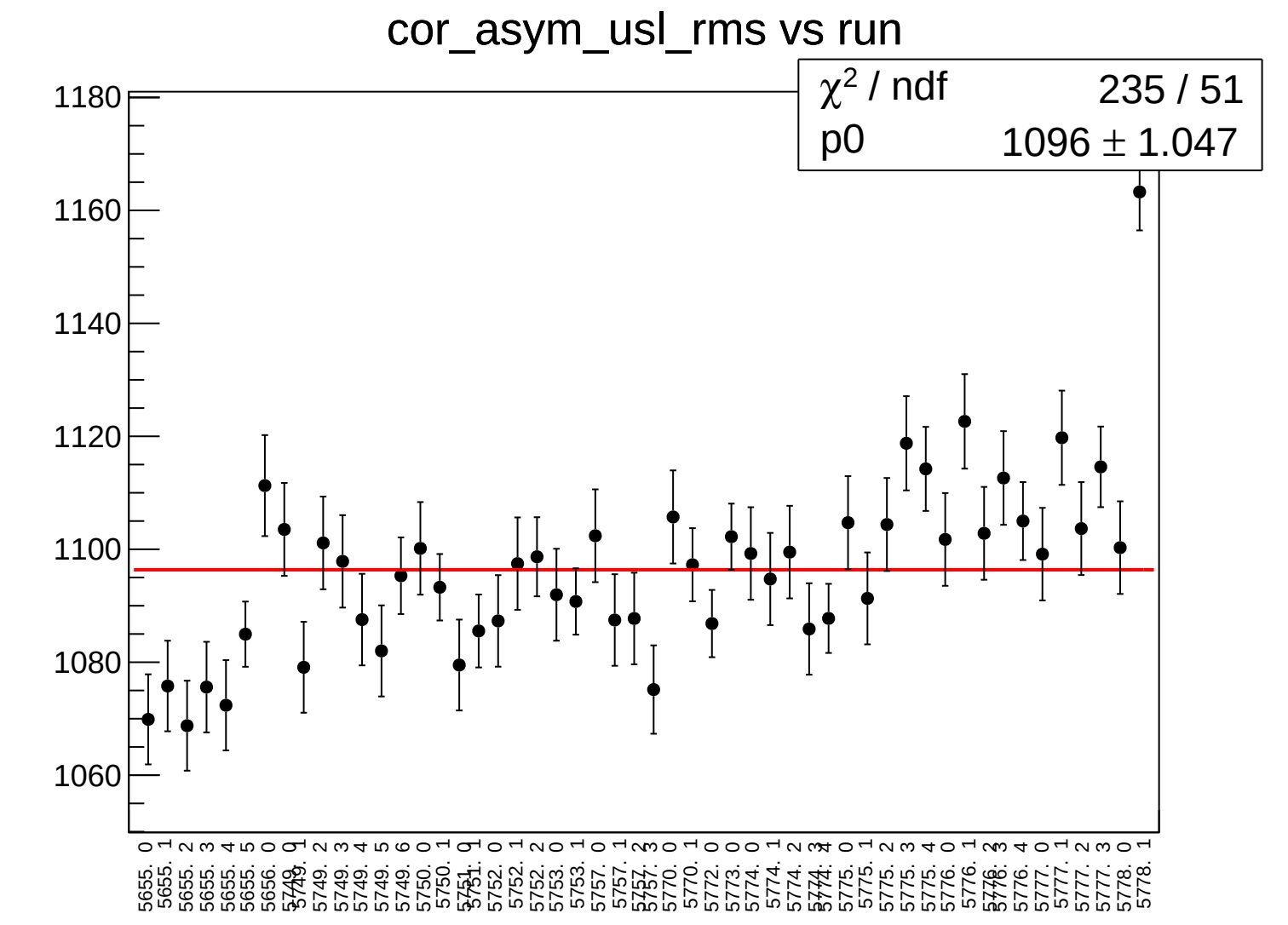
5778. 1


cor_asym_usl_mean vs run
χ^2 / ndf 50.8 / 51
p0 −1113 ± 1481
pull
Entries 52
Mean −21.91
Std Dev 0


pull1D
Entries 52
Mean −0.01903
Std Dev 0.9882


cor_asym_usl_rms vs run
χ² / ndf 235 / 51
p0 1096 ± 1.047
1180
1160
1140
1120
1100
1080
1060
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5749. 6
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5752. 1
5752. 2
5753. 0
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5757. 1
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5773. 0
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5774. 1
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5775. 2
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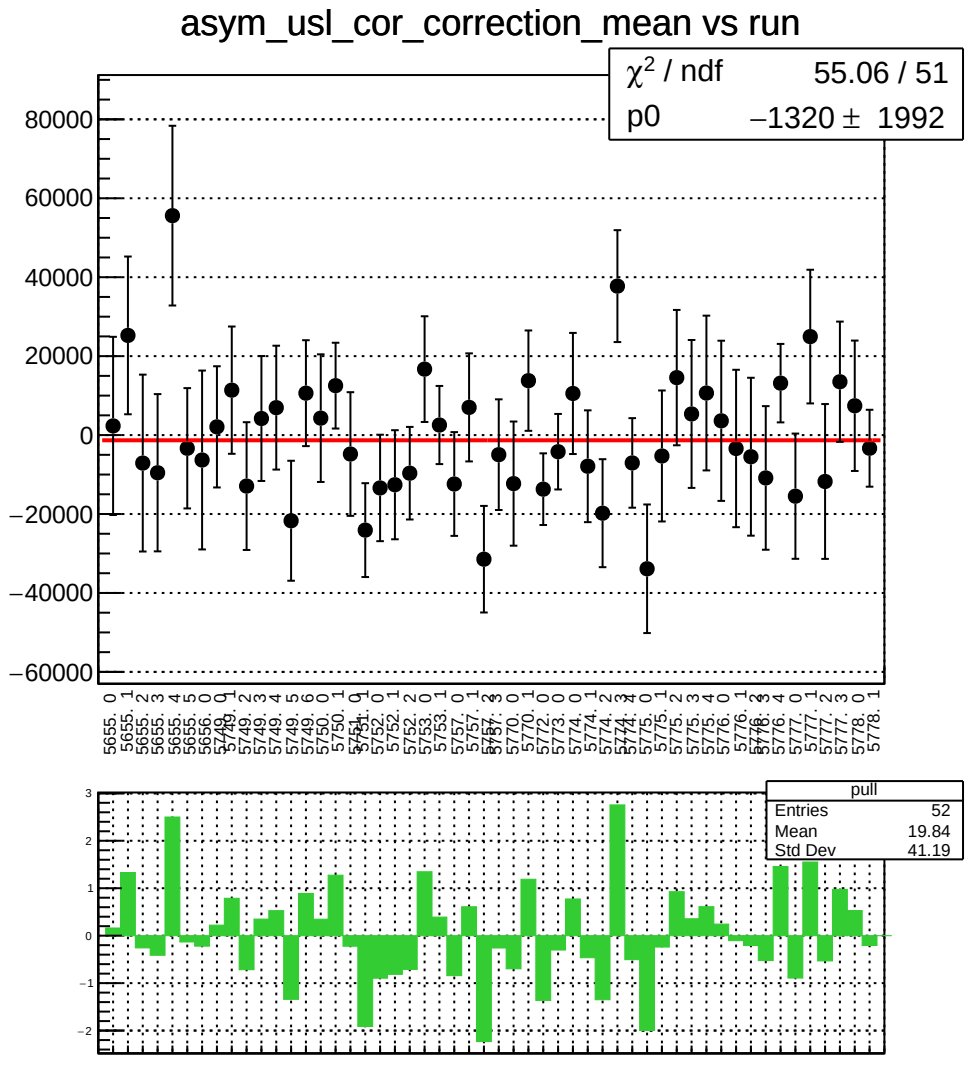
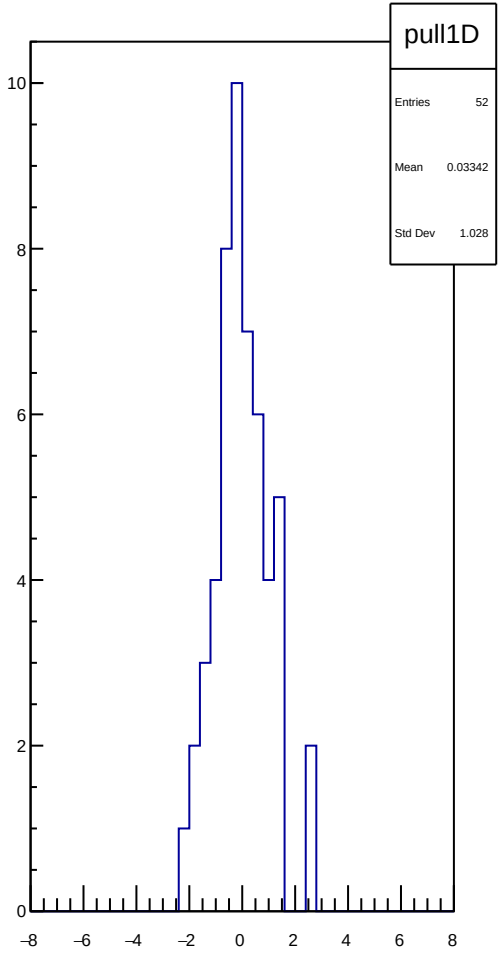
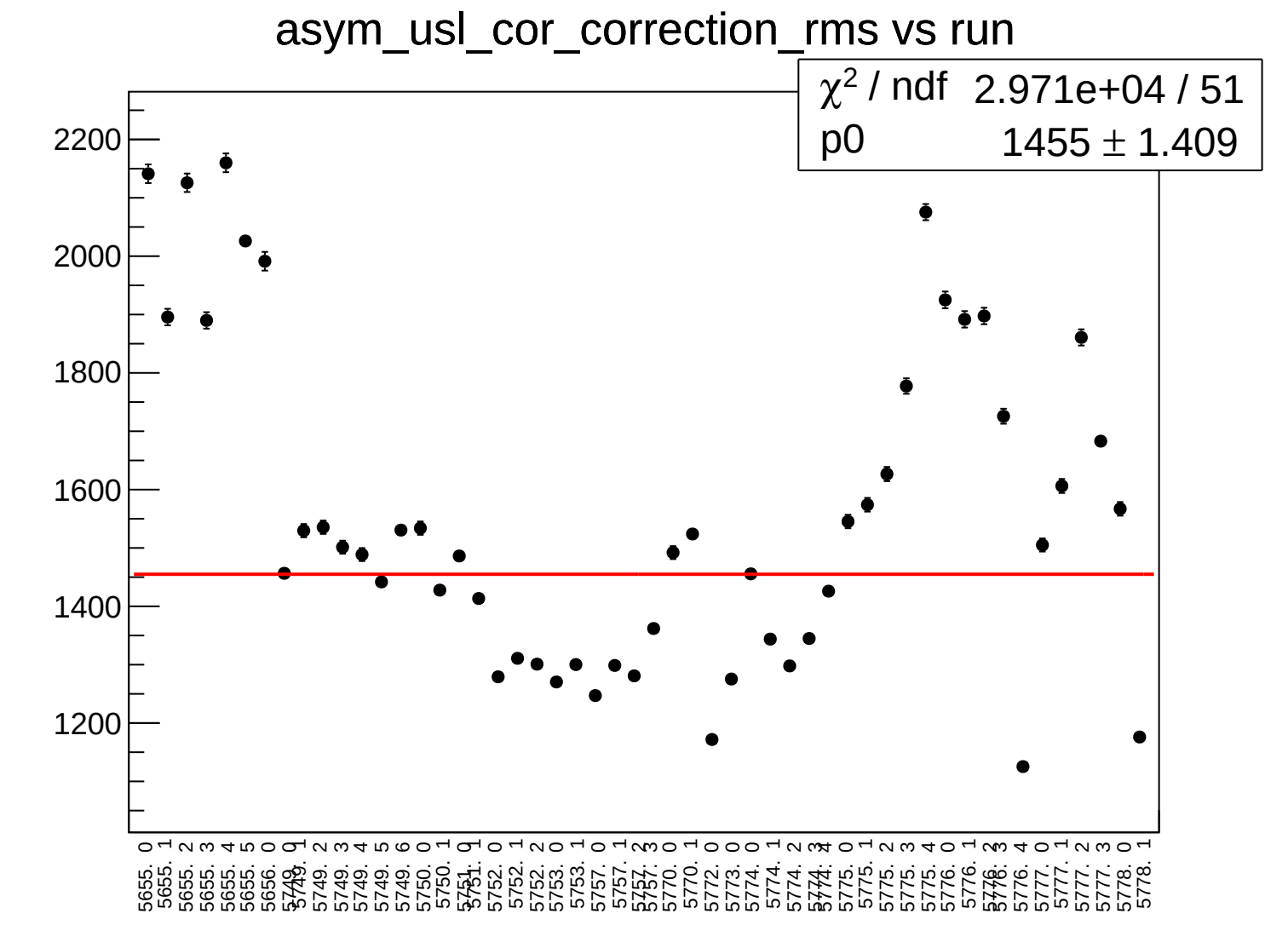
5777. 2
5777. 3
5778. 0
5778. 1


asym_usl_cor_correction_mean vs run
χ² / ndf 55.06 / 51
p0 −1320 ± 1992
pull
Entries 52
Mean 19.84
Std Dev 41.19


pull1D
Entries 52
Mean 0.03342
Std Dev 1.028


asym_usl_cor_correction_rms vs run
χ² / ndf 2.971e+04 / 51
p0 1455 ± 1.409
2200
2000
1800
1600
1400
1200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
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5749. 6
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5753. 1
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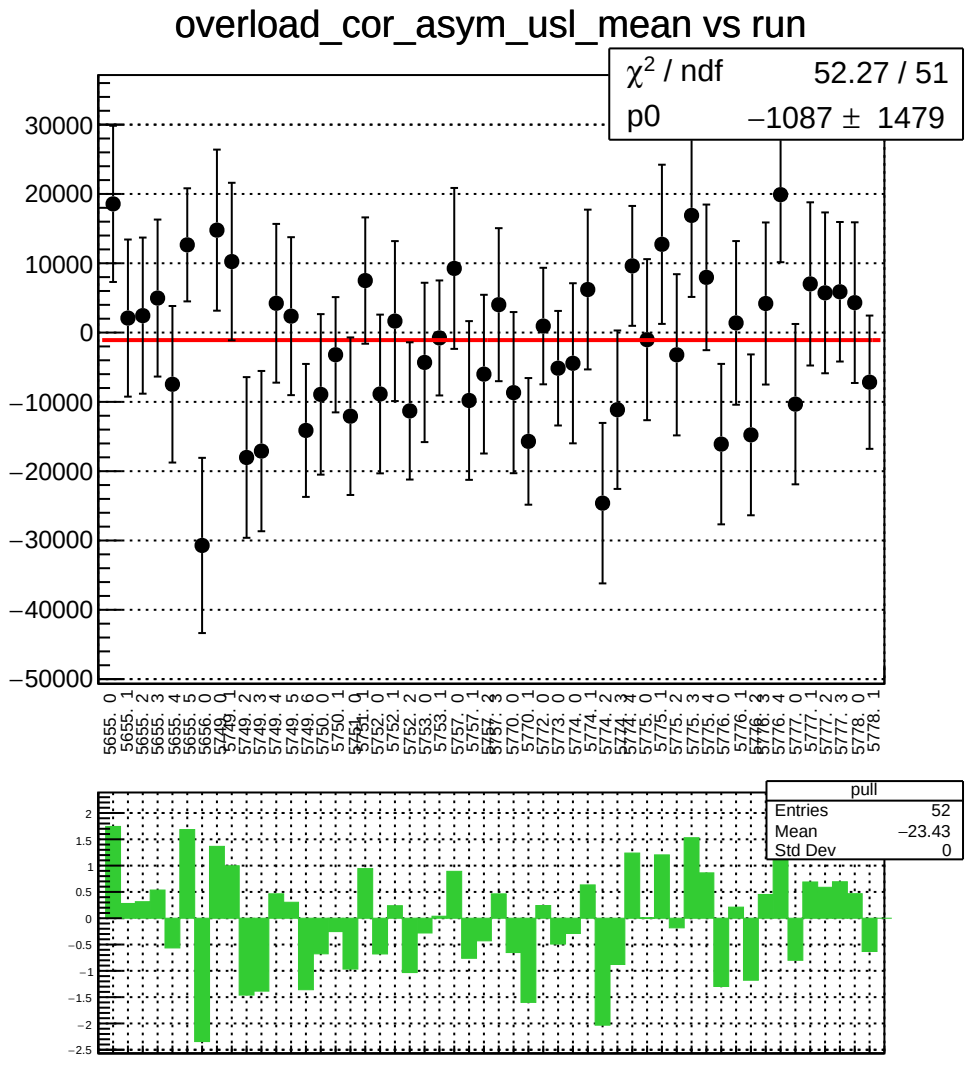
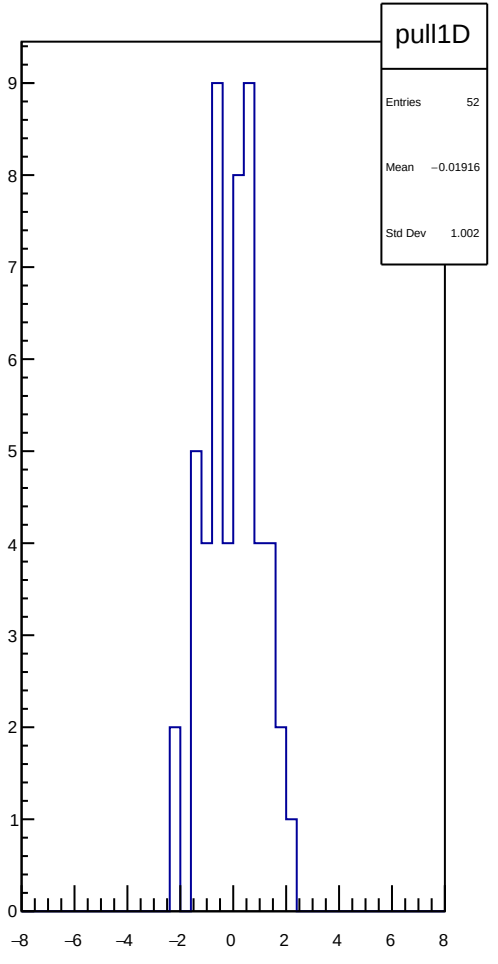
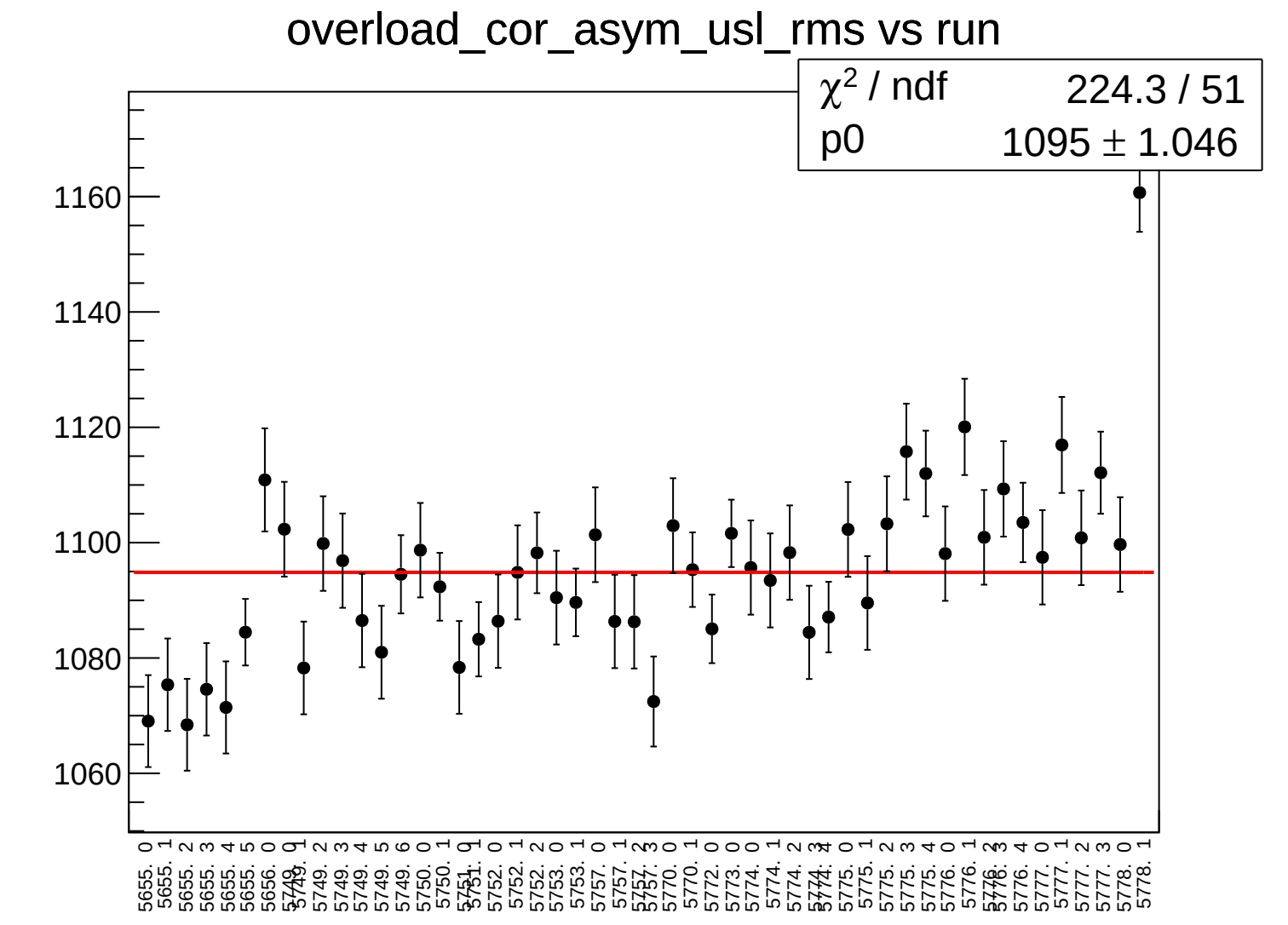

overload_cor_asym_usl_mean vs run
χ² / ndf 52.27 / 51
p0 −1087 ± 1479
pull
Entries 52
Mean −23.43
Std Dev 0


pull1D
Entries 52
Mean −0.01916
Std Dev 1.002


overload_cor_asym_usl_rms vs run
χ² / ndf 224.3 / 51
p0 1095 ± 1.046
1160
1140
1120
1100
1080
1060
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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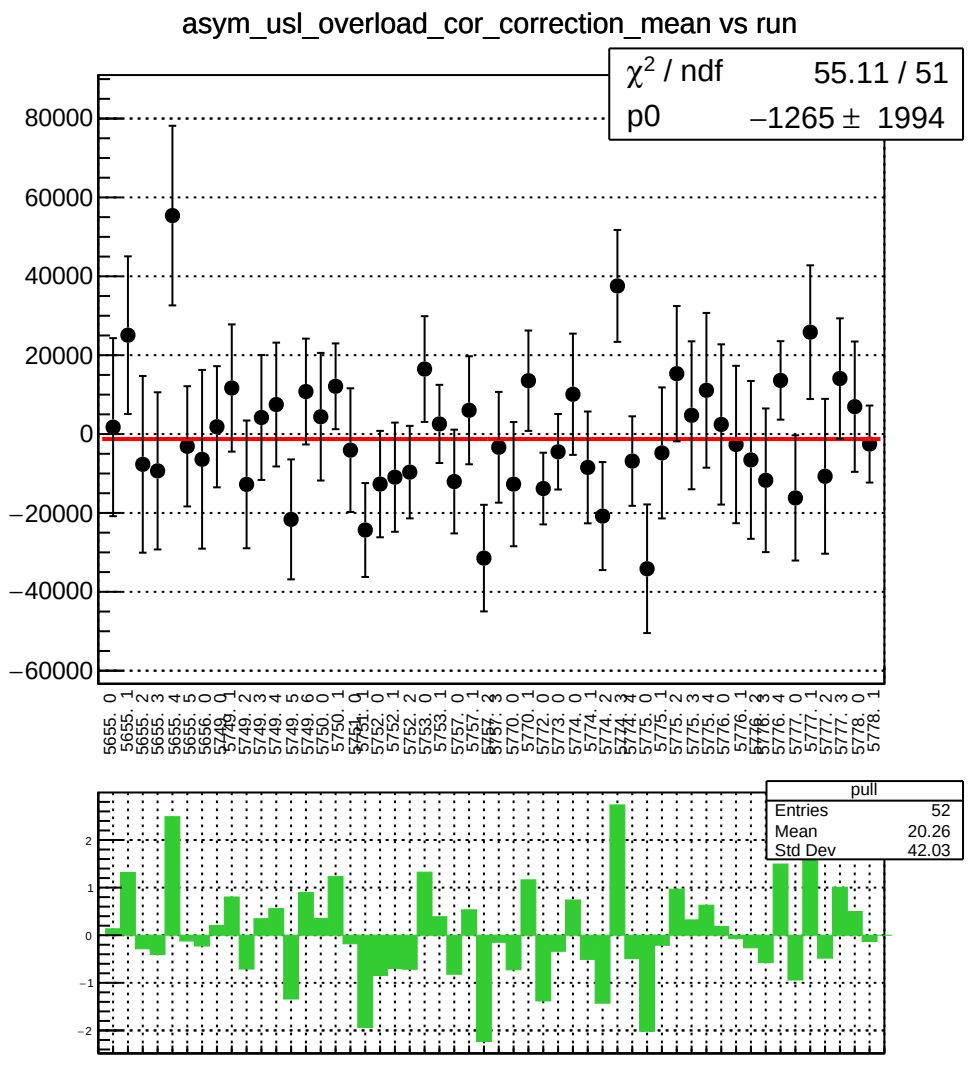
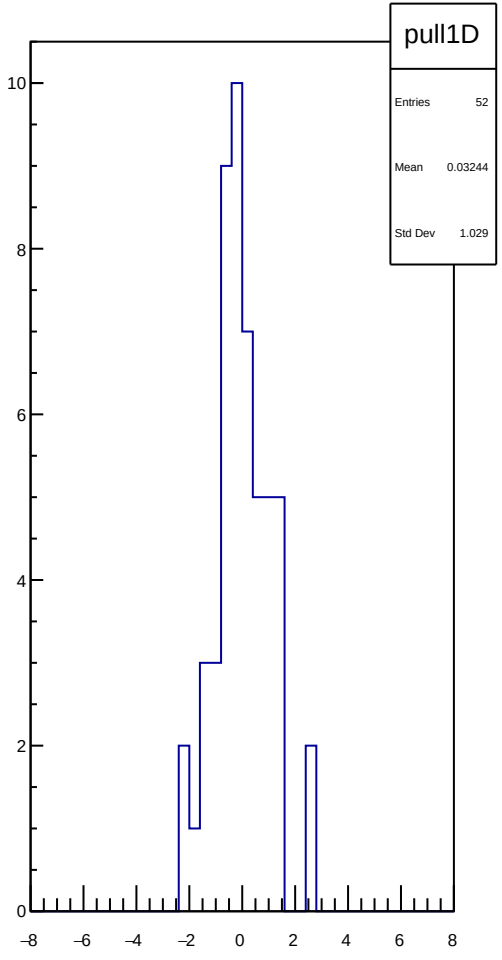
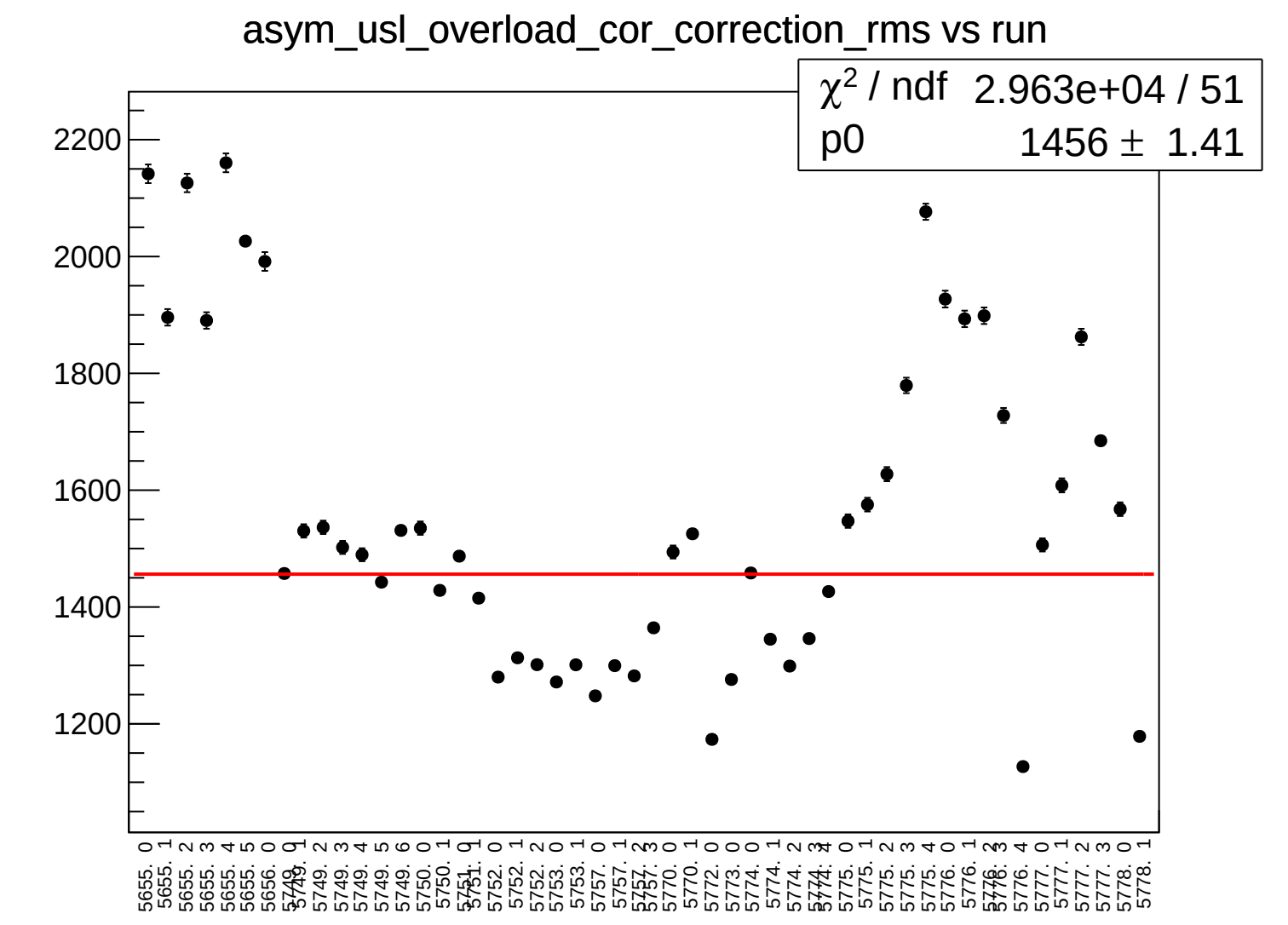

asym_usl_overload_cor_correction_mean vs run
χ² / ndf 55.11 / 51
p0 −1265 ± 1994
pull
Entries 52
Mean 20.26
Std Dev 42.03


pull1D
Entries 52
Mean 0.03244
Std Dev 1.029


asym_usl_overload_cor_correction_rms vs run
χ² / ndf 2.963e+04 / 51
p0 1456 ± 1.41
2200
2000
1800
1600
1400
1200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
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5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
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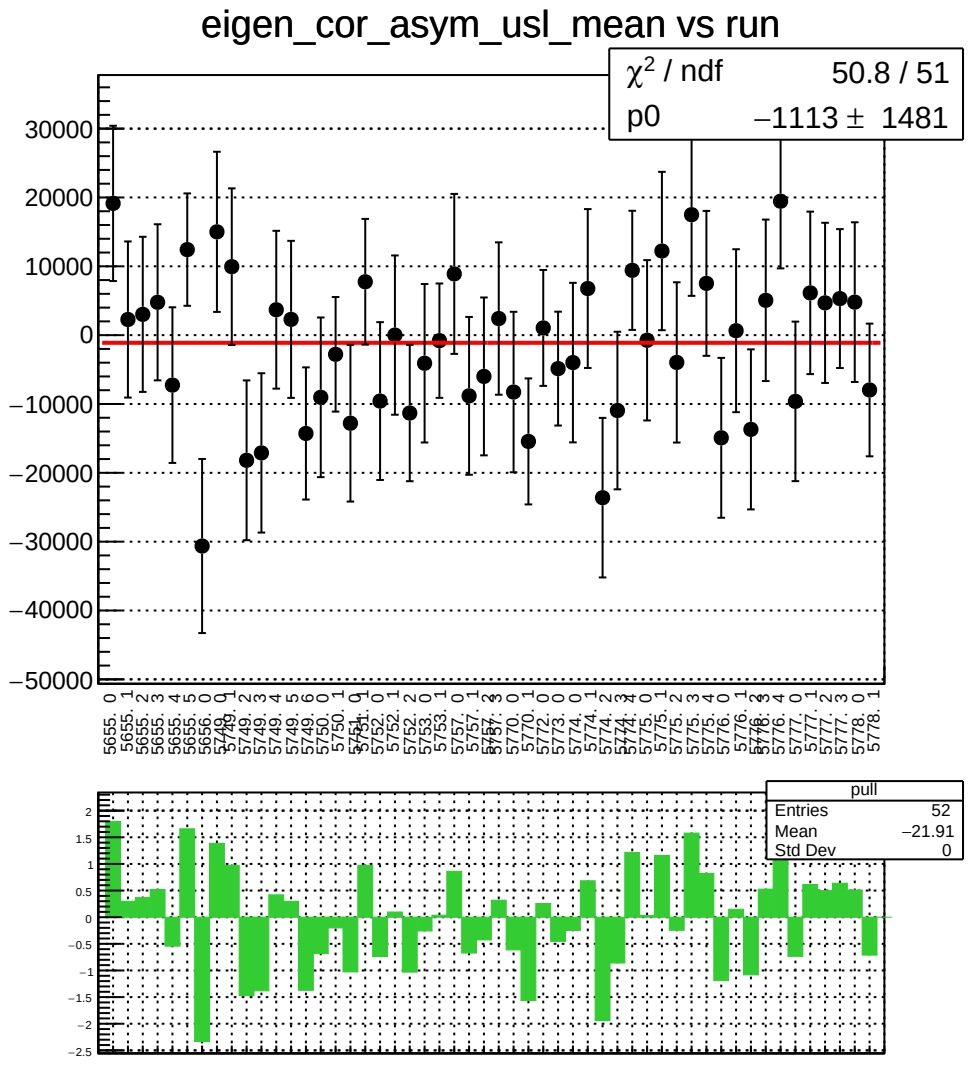
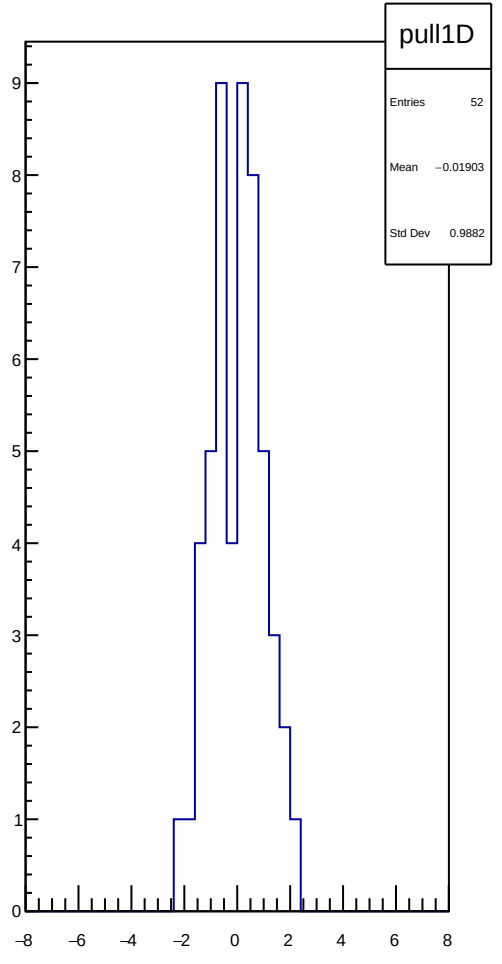
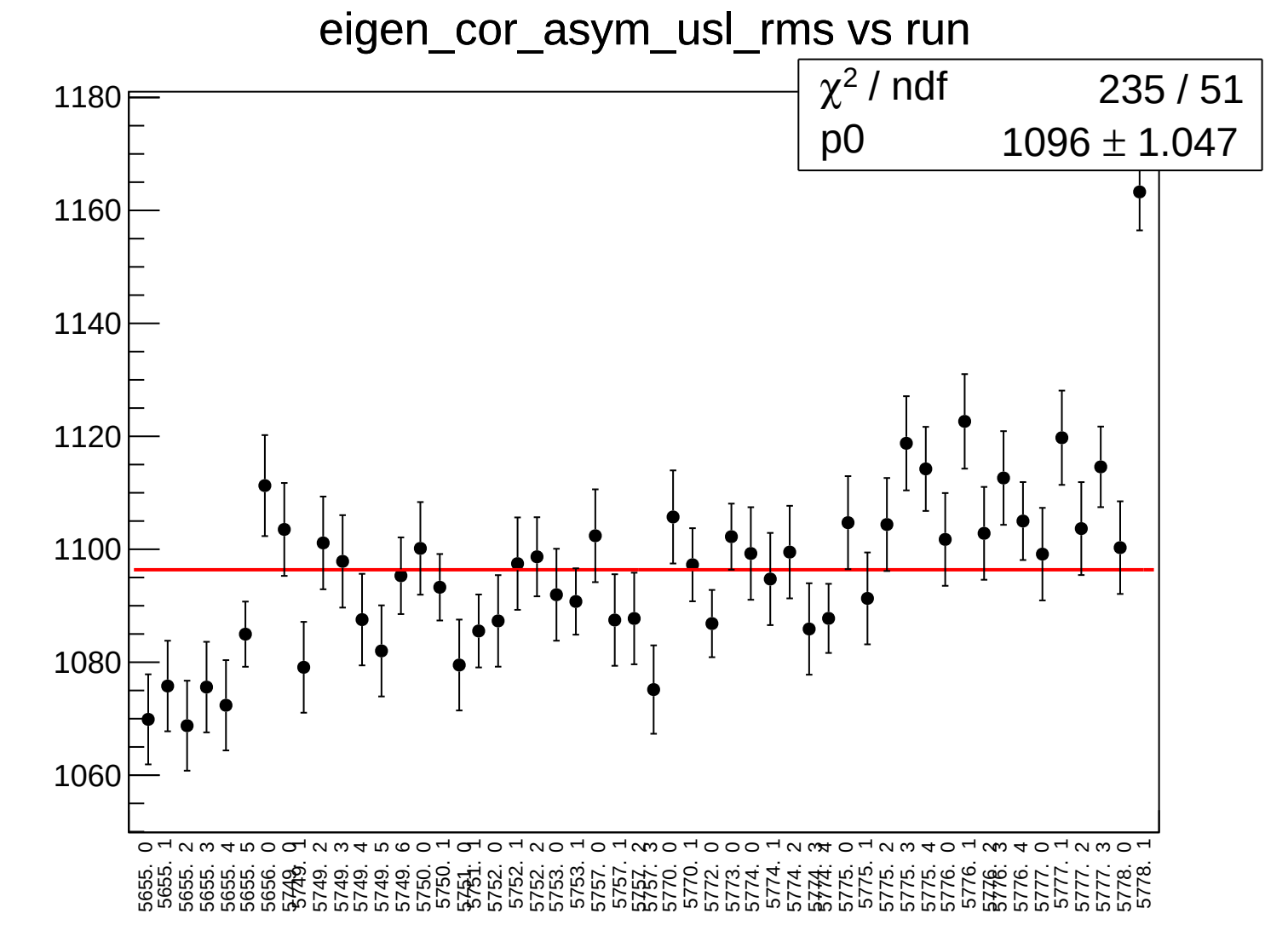
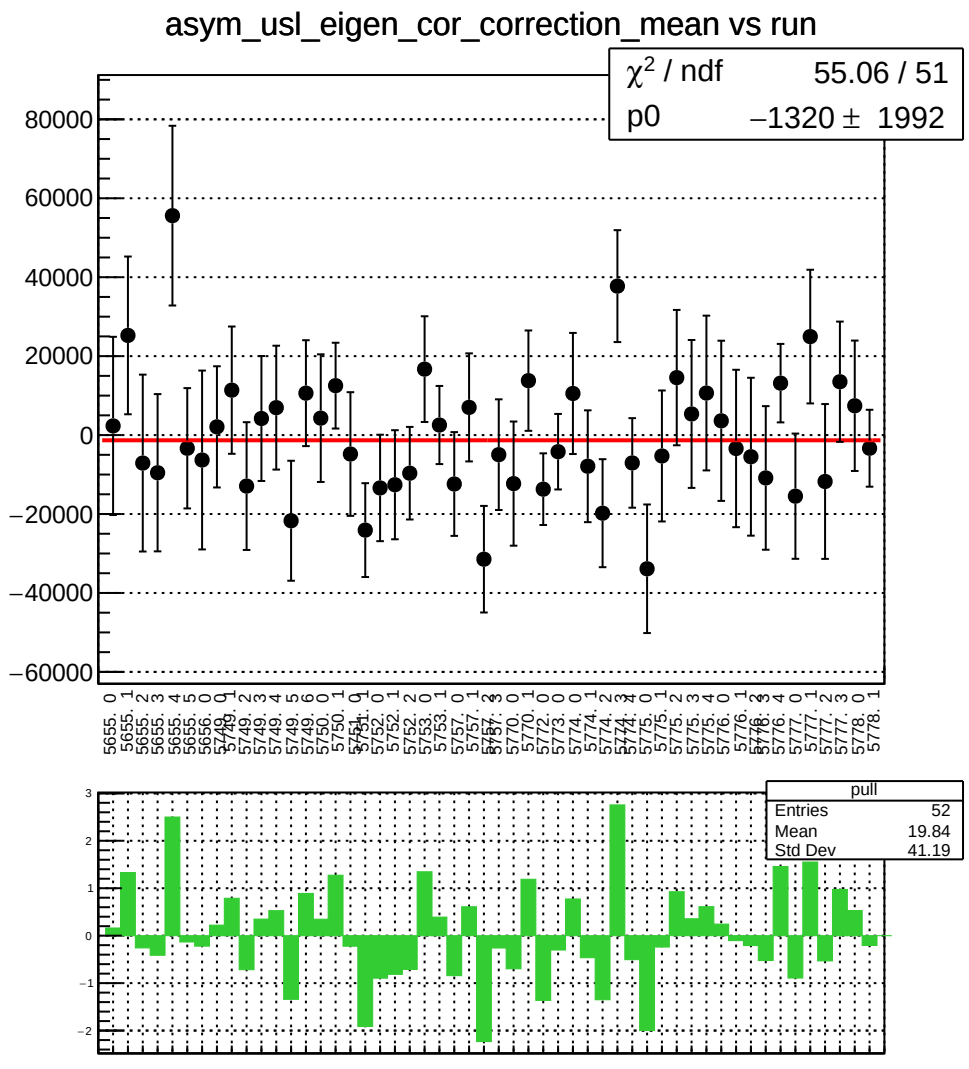
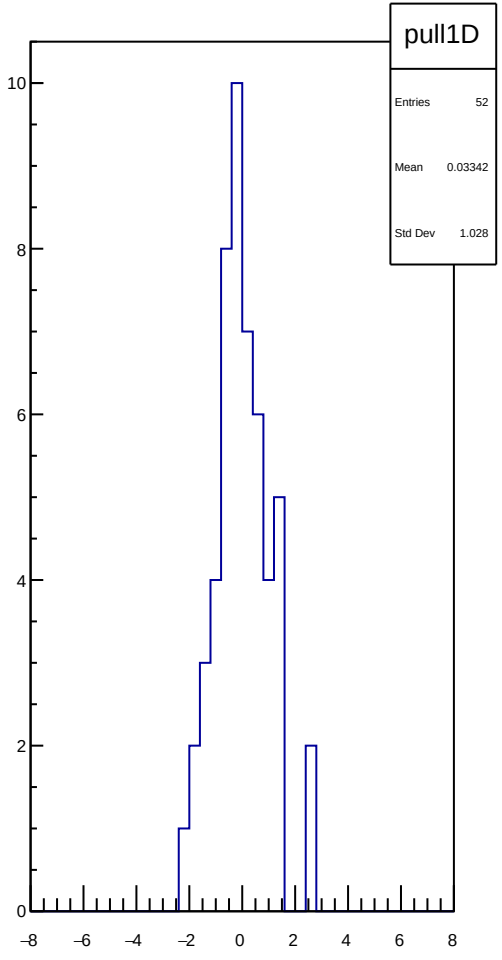
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

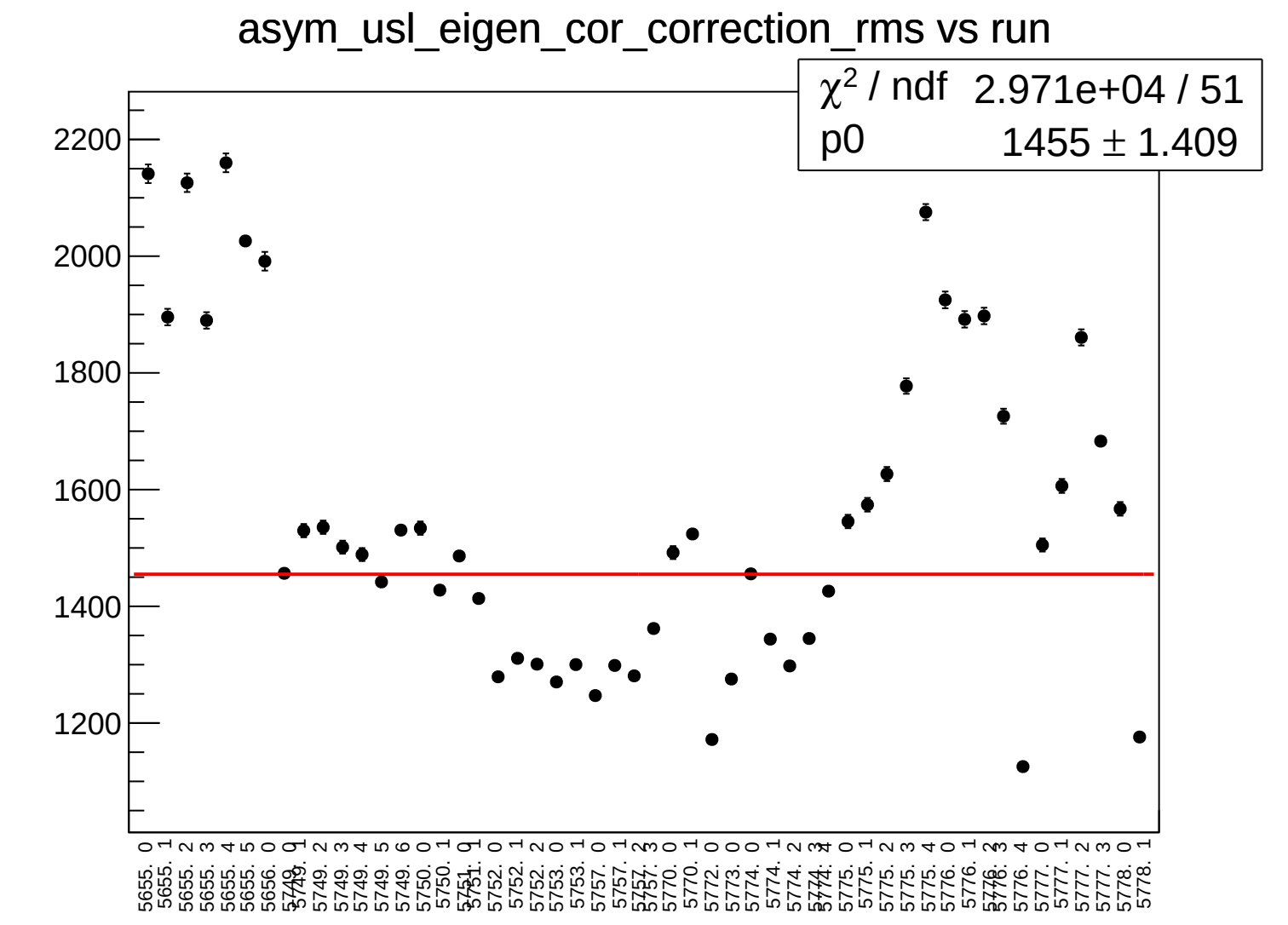

eigen_cor_asym_usl_mean vs run
χ² / ndf 50.8 / 51
p0 −1113 ± 1481
pull
Entries 52
Mean −21.91
Std Dev 0

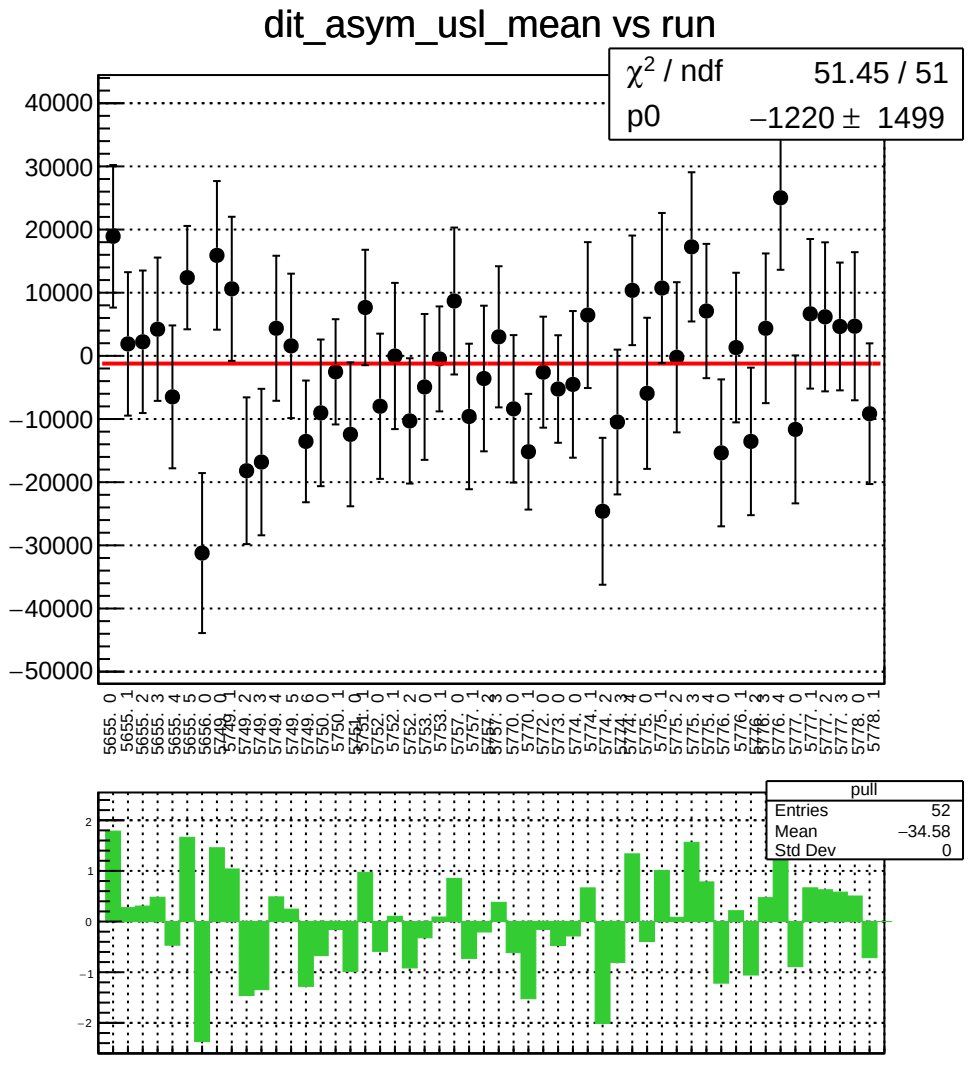

pull1D
Entries 52
Mean −0.01903
Std Dev 0.9882

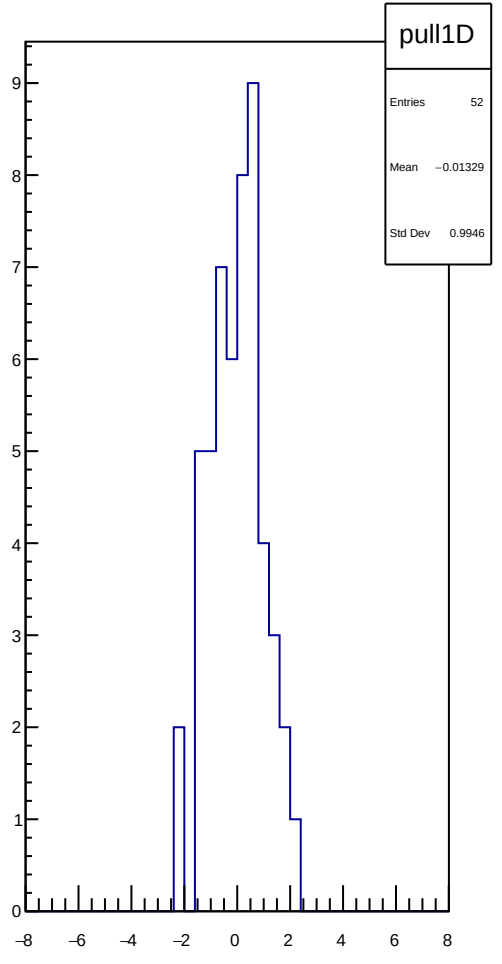

eigen_cor_asym_usl_rms vs run
χ² / ndf 235 / 51
p0 1096 ± 1.047
1180
1160
1140
1120
1100
1080
1060
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

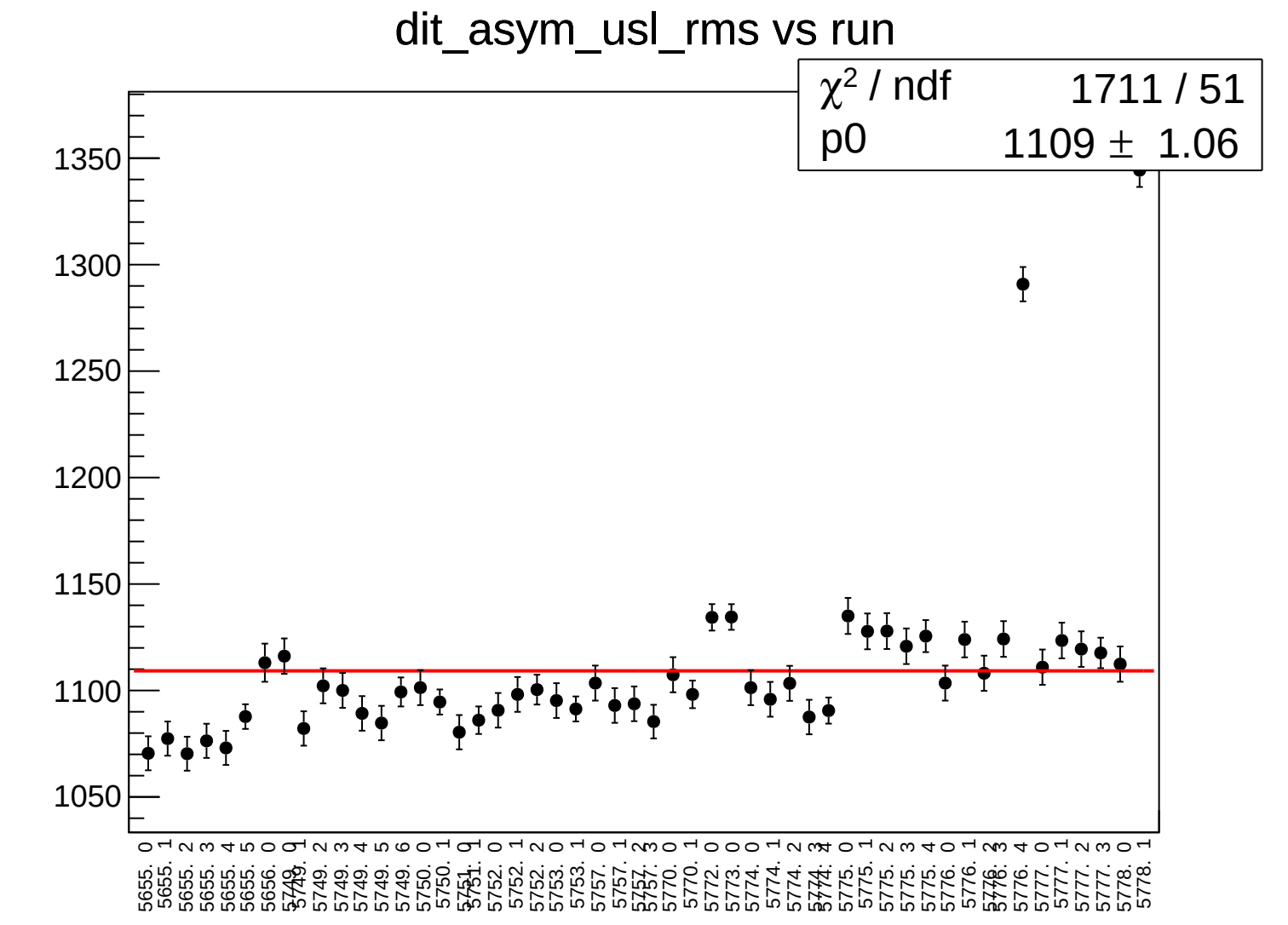

asym_usl_eigen_cor_correction_mean vs run
χ² / ndf 55.06 / 51
p0 −1320 ± 1992
pull
Entries 52
Mean 19.84
Std Dev 41.19

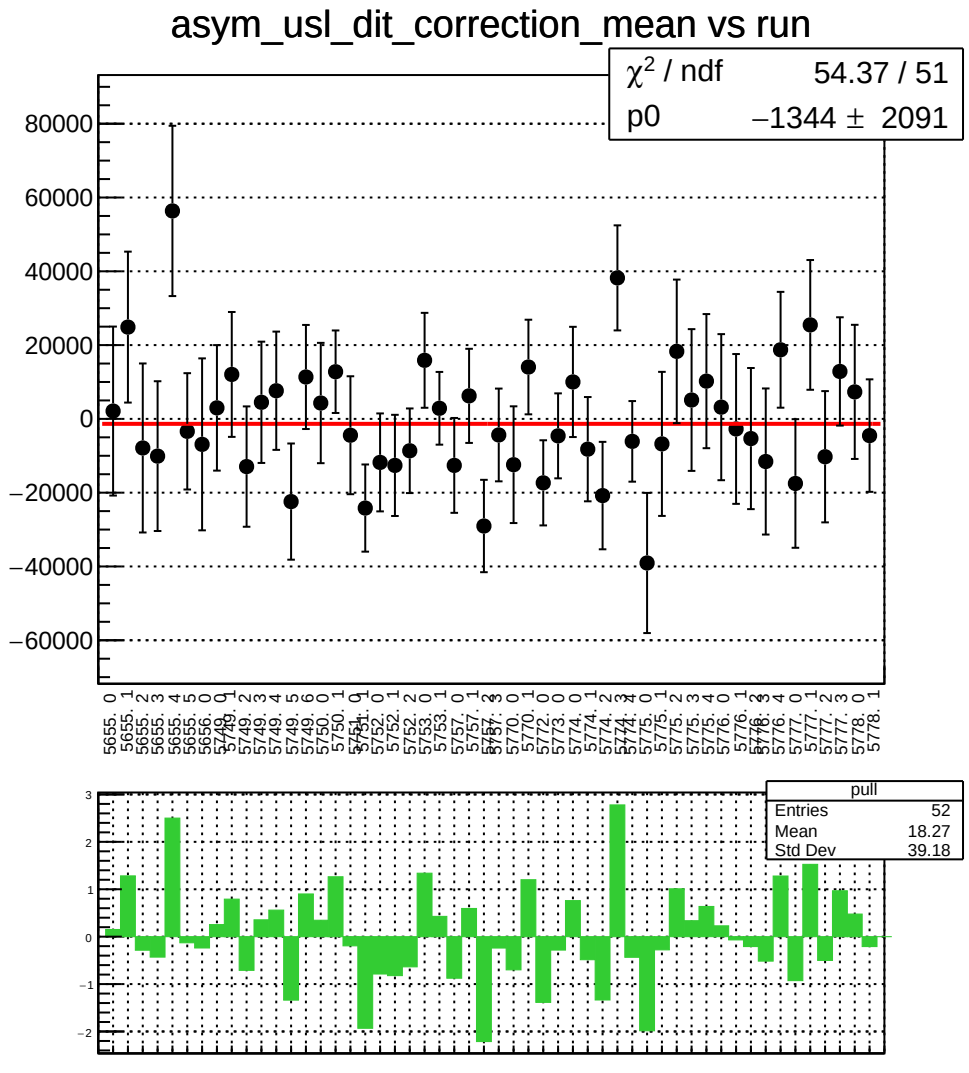

pull1D
Entries 52
Mean 0.03342
Std Dev 1.028

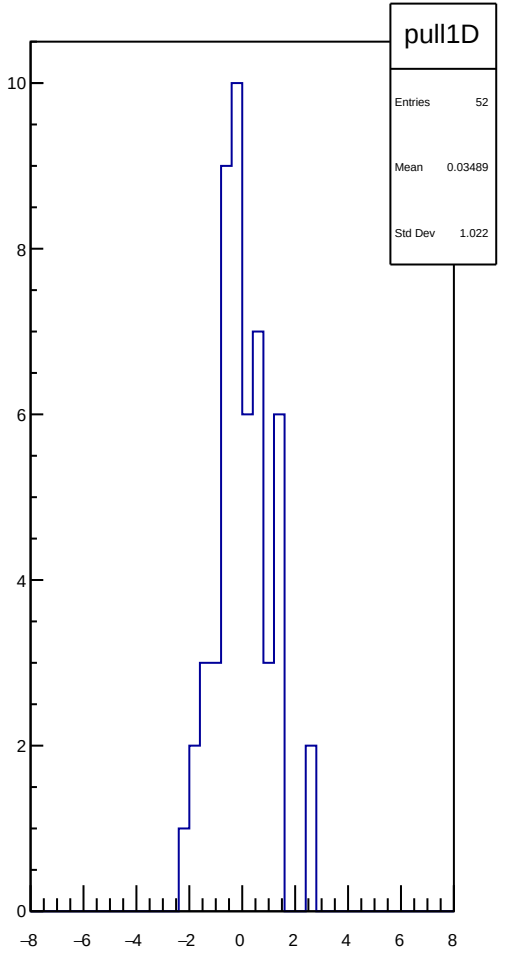

asym_usl_eigen_cor_correction_rms vs run
χ² / ndf 2.971e+04 / 51
p0 1455 ± 1.409
2200
2000
1800
1600
1400
1200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

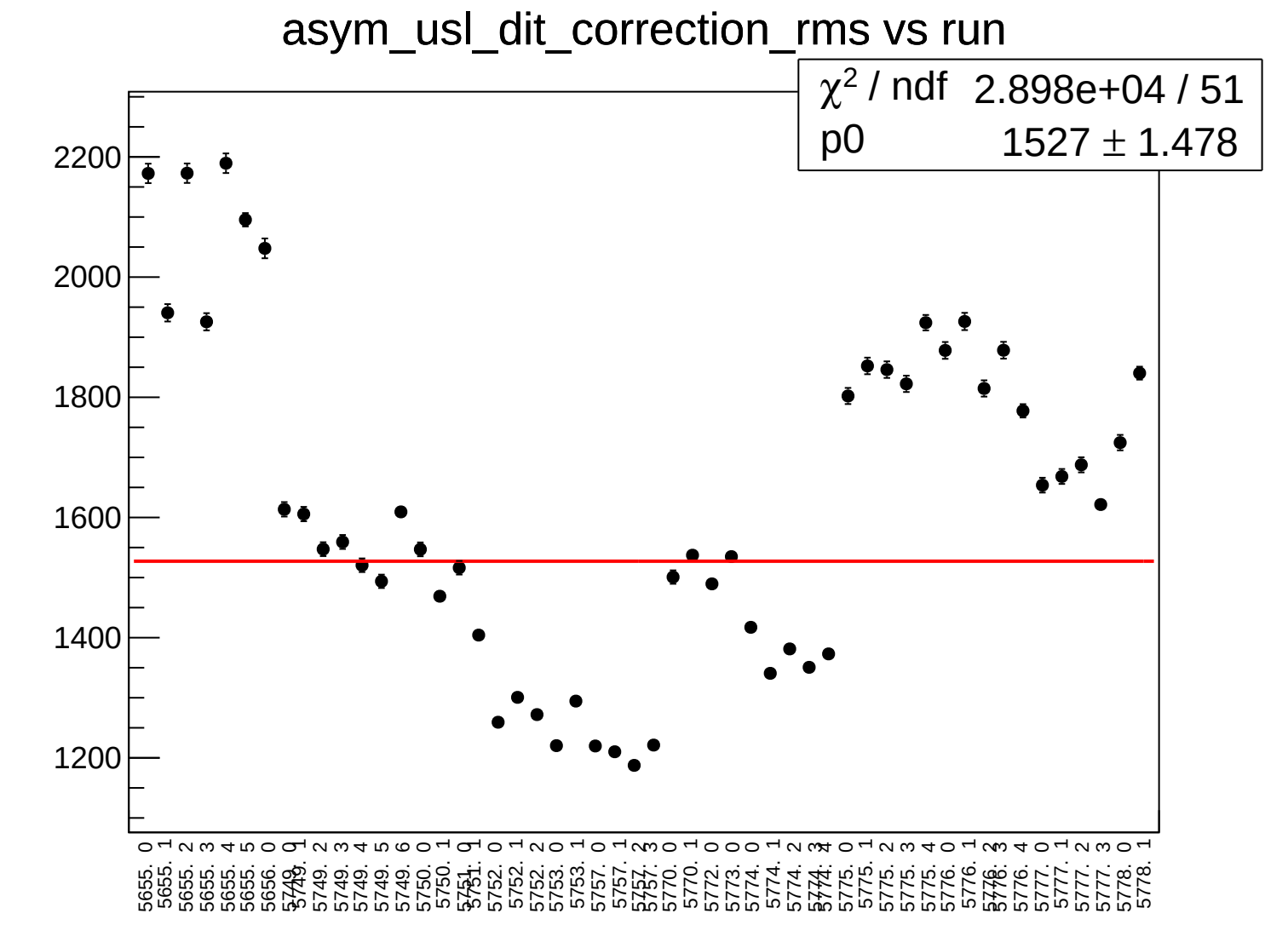

dit_asym_usl_mean vs run
χ² / ndf 51.45 / 51
p0 −1220 ± 1499
pull
Entries 52
Mean −34.58
Std Dev 0

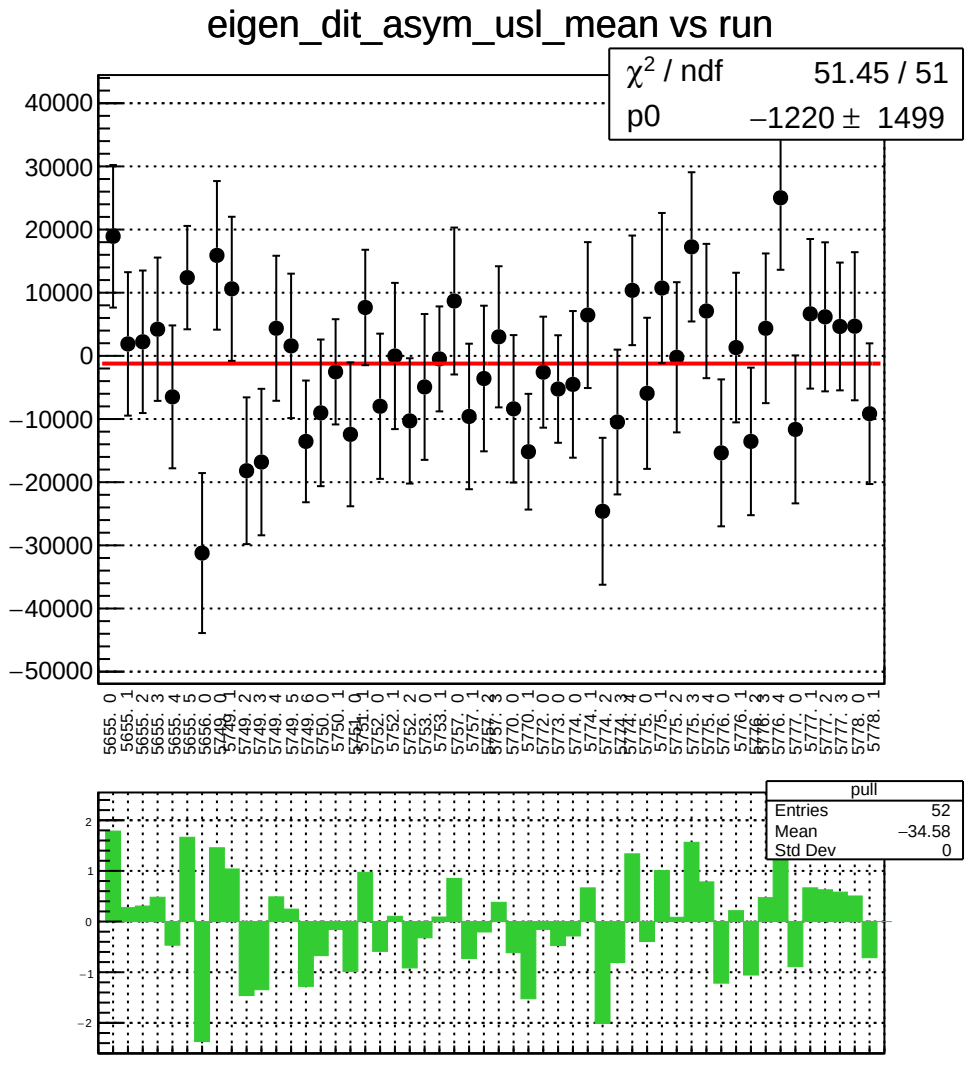

pull1D
Entries 52
Mean −0.01329
Std Dev 0.9946

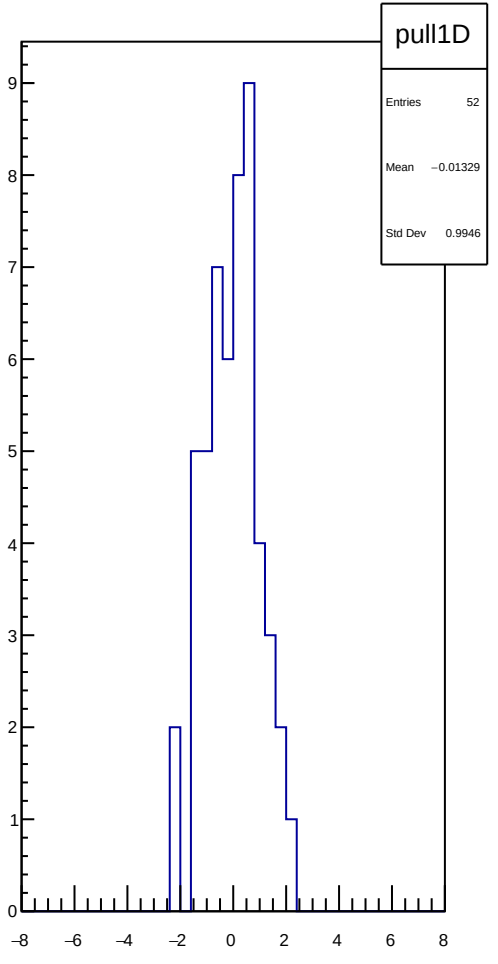

dit_asym_usl_rms vs run
χ² / ndf 1711 / 51
p0 1109 ± 1.06
1350
1300
1250
1200
1150
1100
1050
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

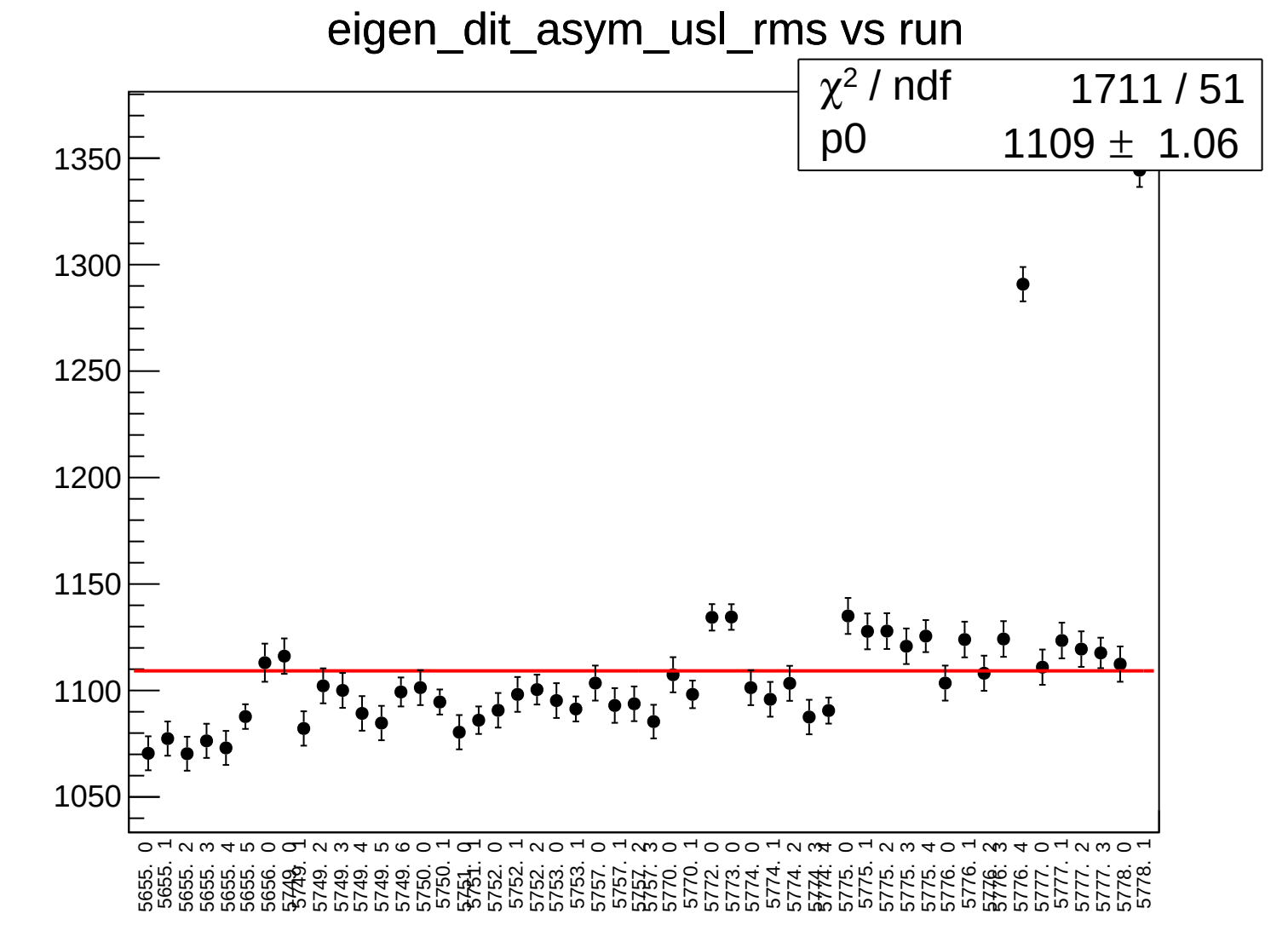

asym_usl_dit_correction_mean vs run
χ² / ndf 54.37 / 51
p0 −1344 ± 2091
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 18.27
Std Dev 39.18
3
2
1
0
−1
−2

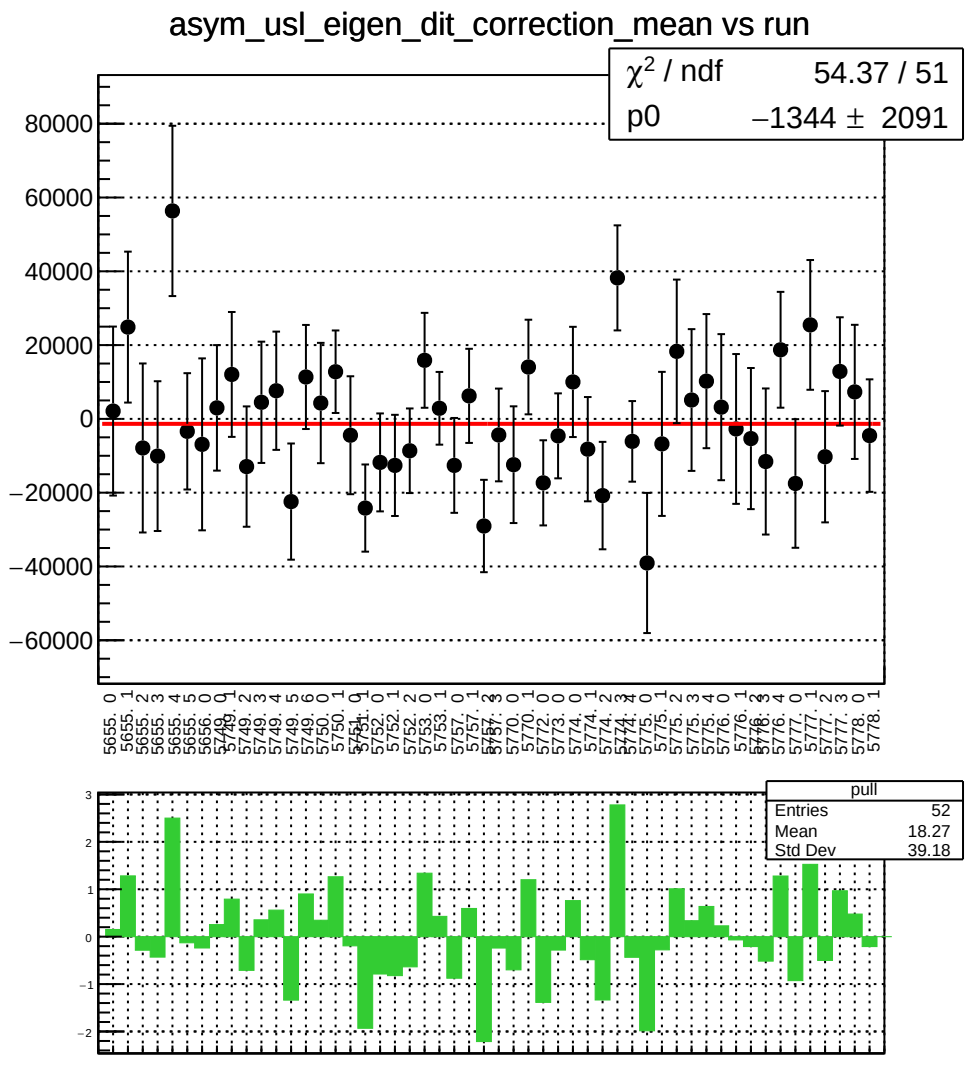

pull1D
Entries 52
Mean 0.03489
Std Dev 1.022
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

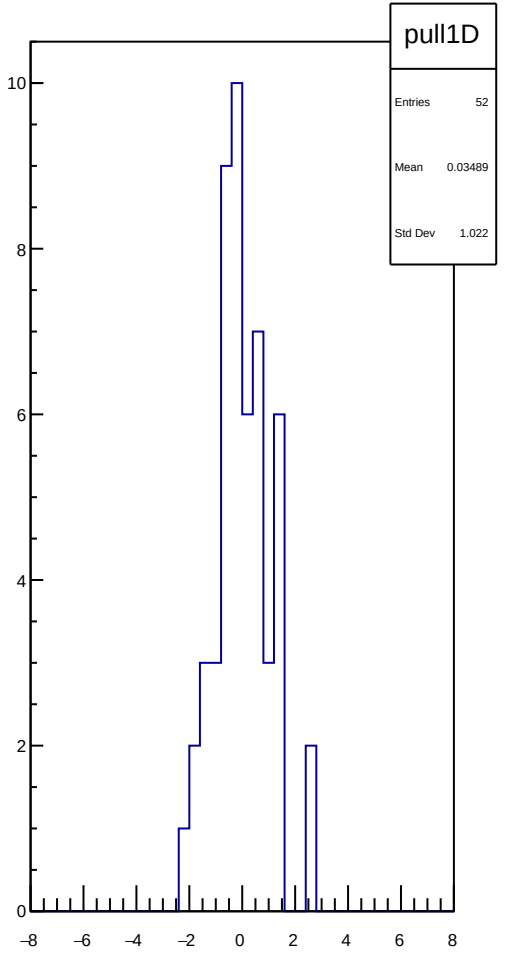

asym_usl_dit_correction_rms vs run
χ² / ndf 2.898e+04 / 51
p0 1527 ± 1.478
2200
2000
1800
1600
1400
1200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_dit_asym_usl_mean vs run
χ² / ndf 51.45 / 51
p0 −1220 ± 1499
pull
Entries 52
Mean −34.58
Std Dev 0

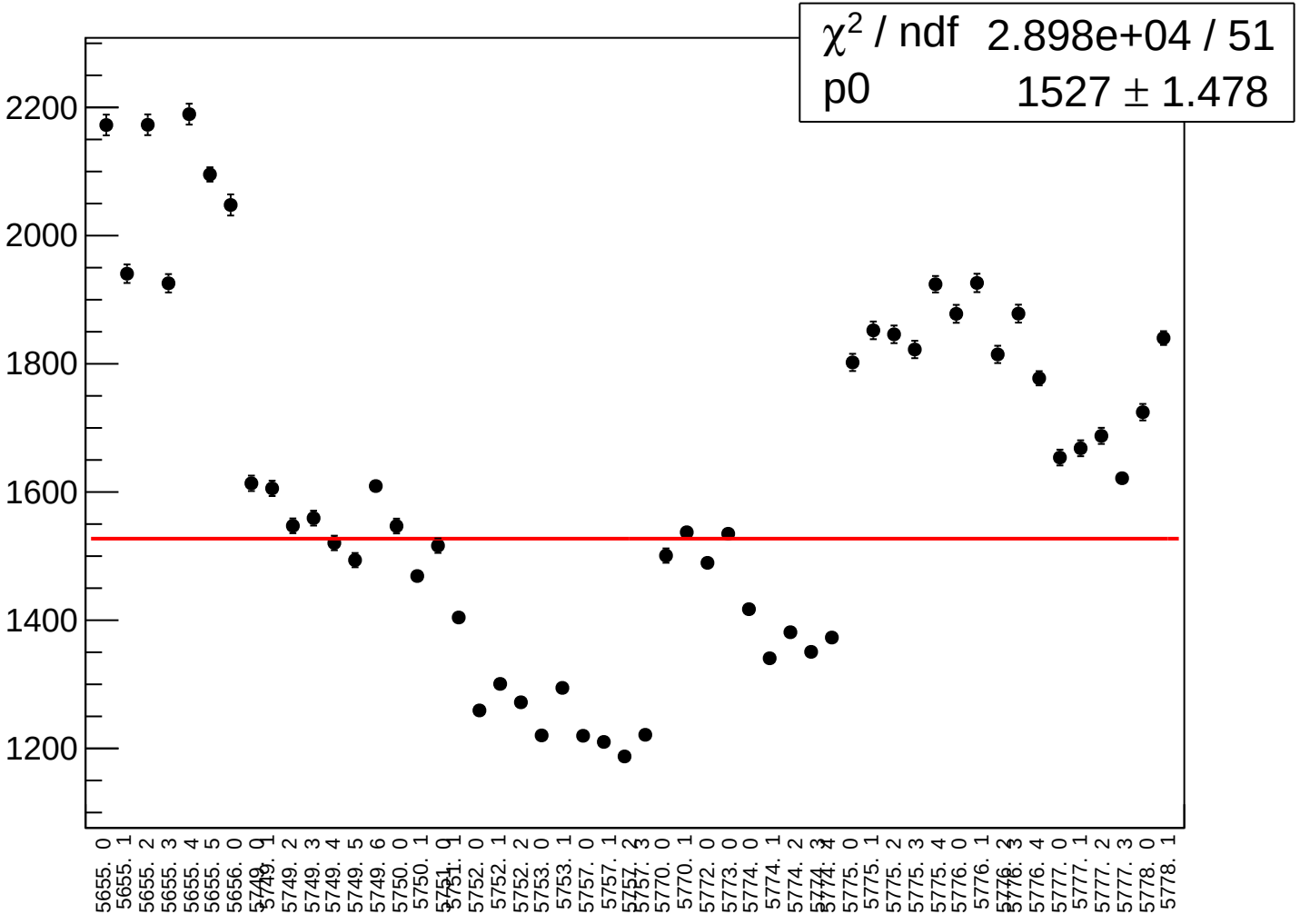

pull1D
Entries 52
Mean −0.01329
Std Dev 0.9946

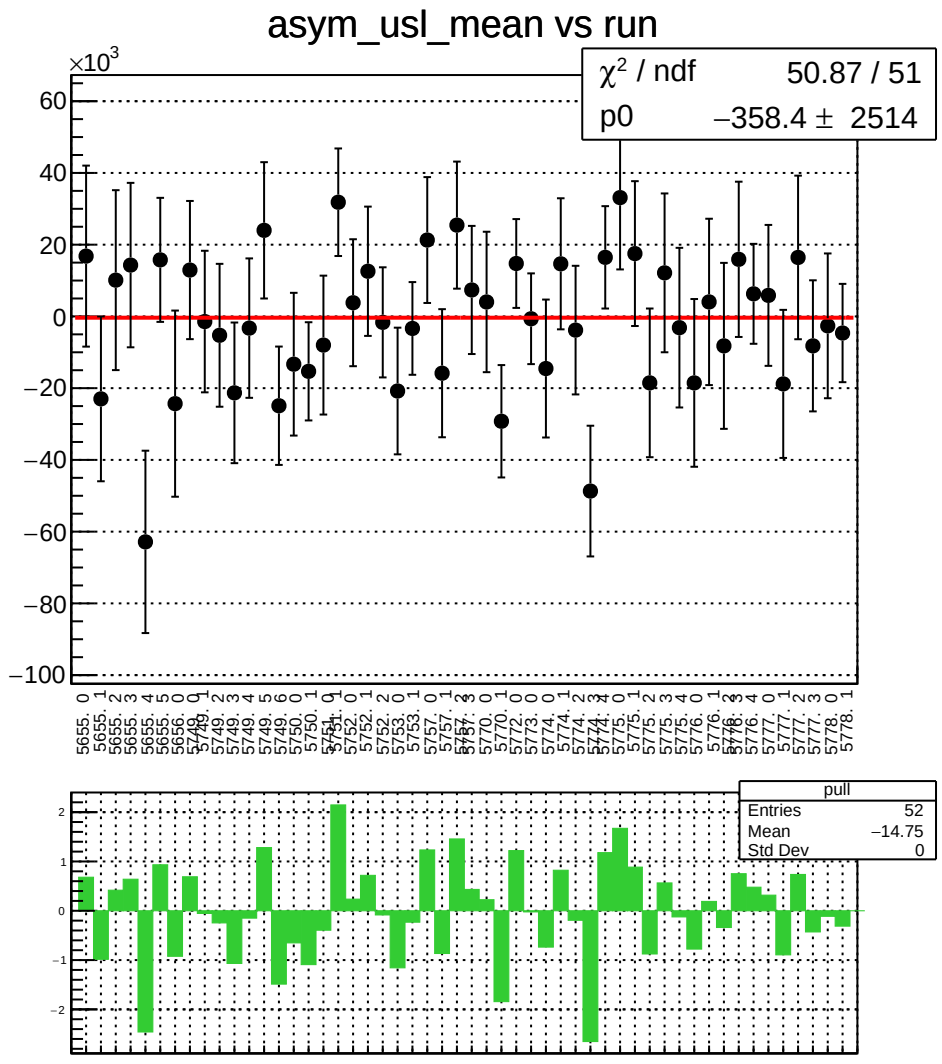

eigen_dit_asym_usl_rms vs run
χ² / ndf 1711 / 51
p0 1109 ± 1.06
1350
1300
1250
1200
1150
1100
1050
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

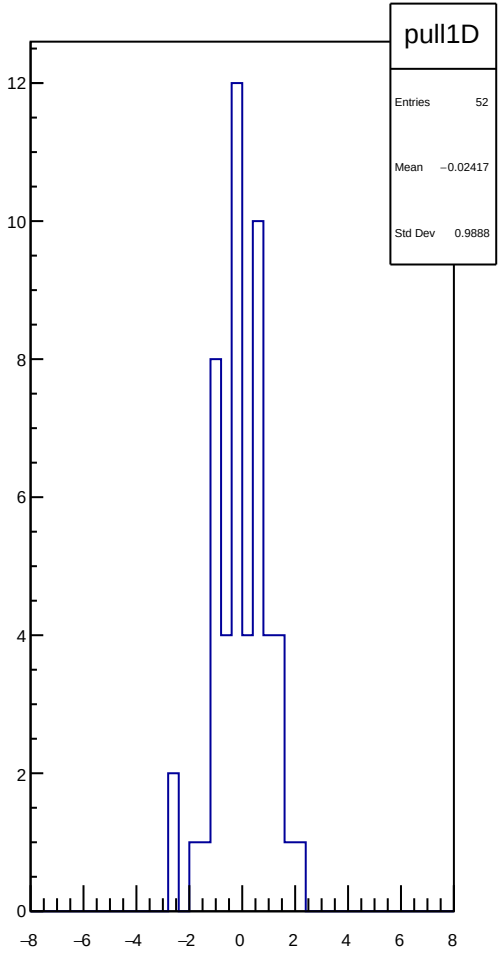

asym_usl_eigen_dit_correction_mean vs run
χ² / ndf 54.37 / 51
p0 −1344 ± 2091
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 18.27
Std Dev 39.18
3
2
1
0
−1
−2

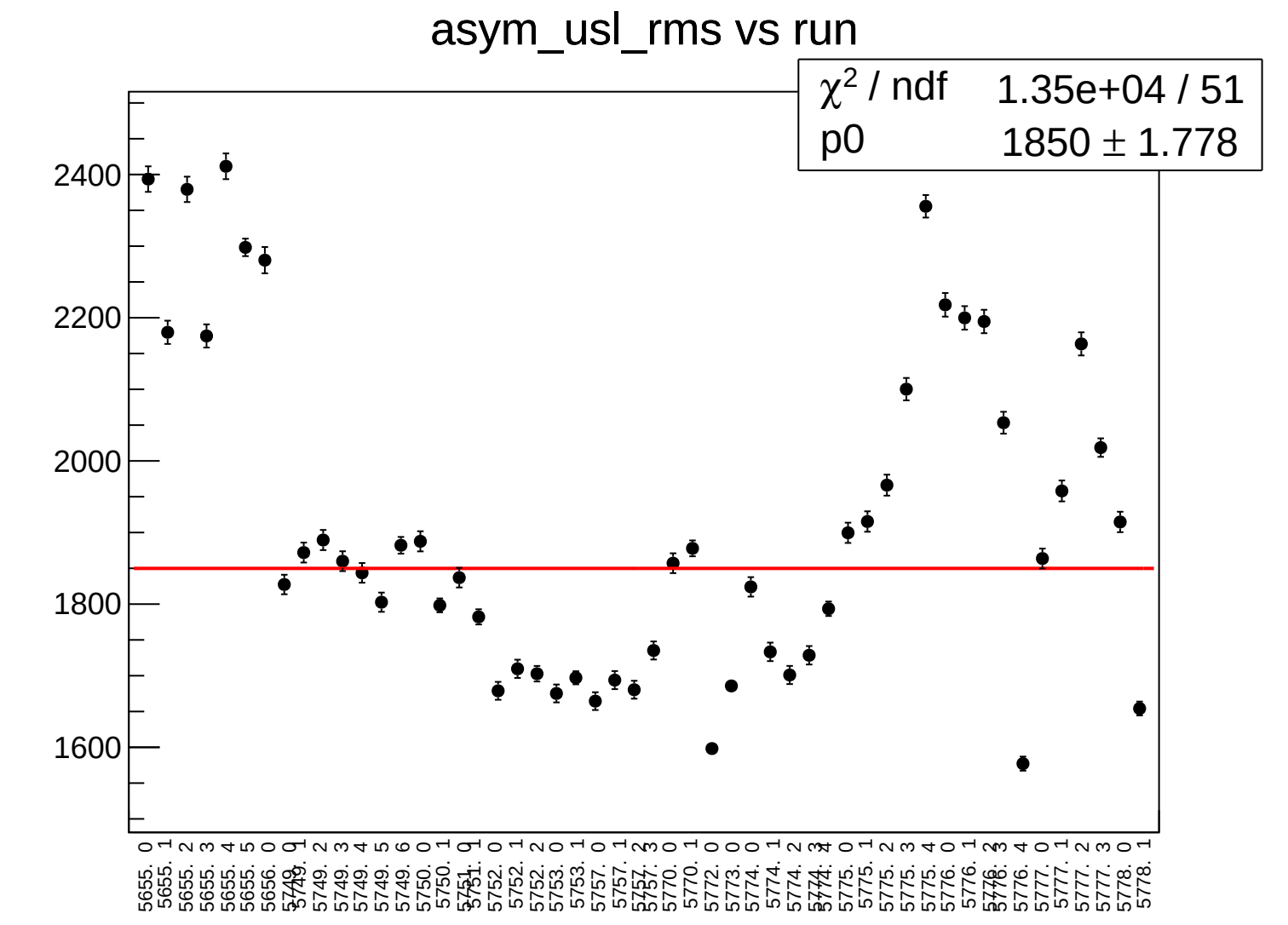

pull1D
Entries 52
Mean 0.03489
Std Dev 1.022
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

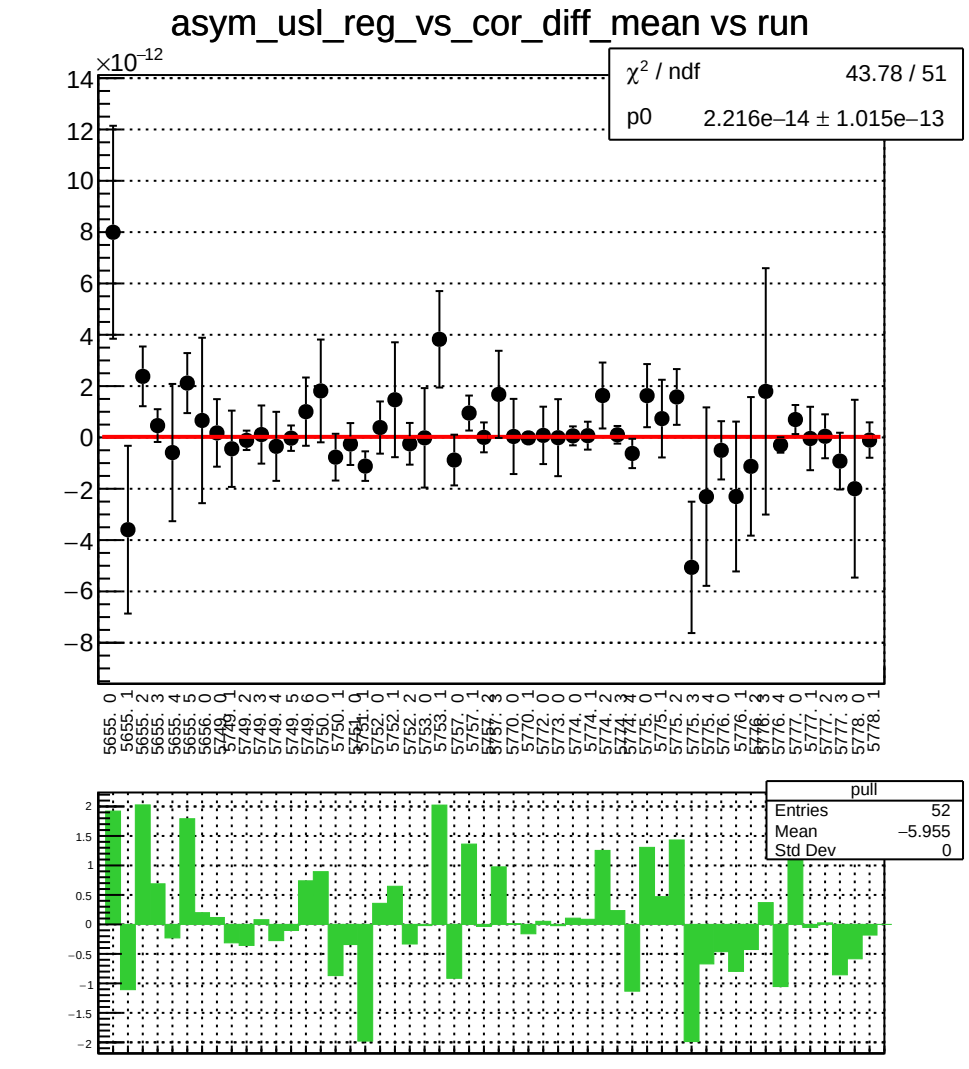
asym_usl_eigen_dit_correction_rms vs run

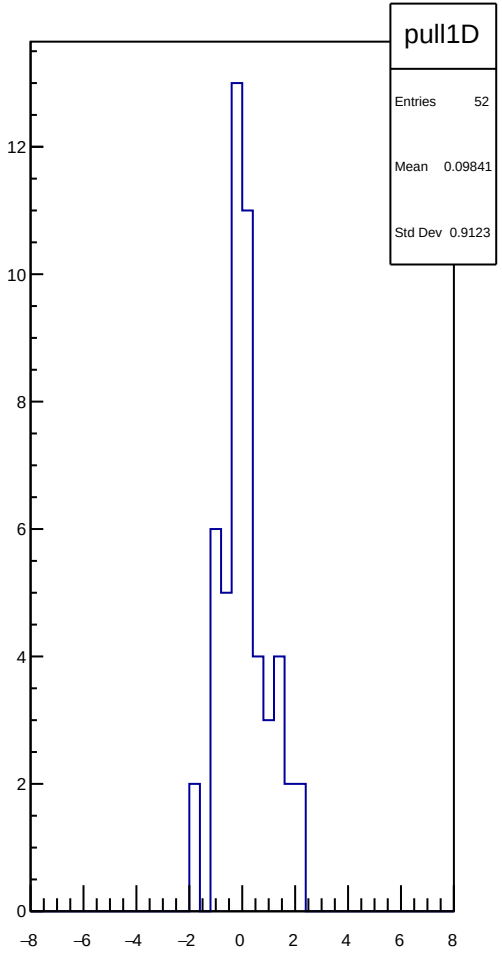


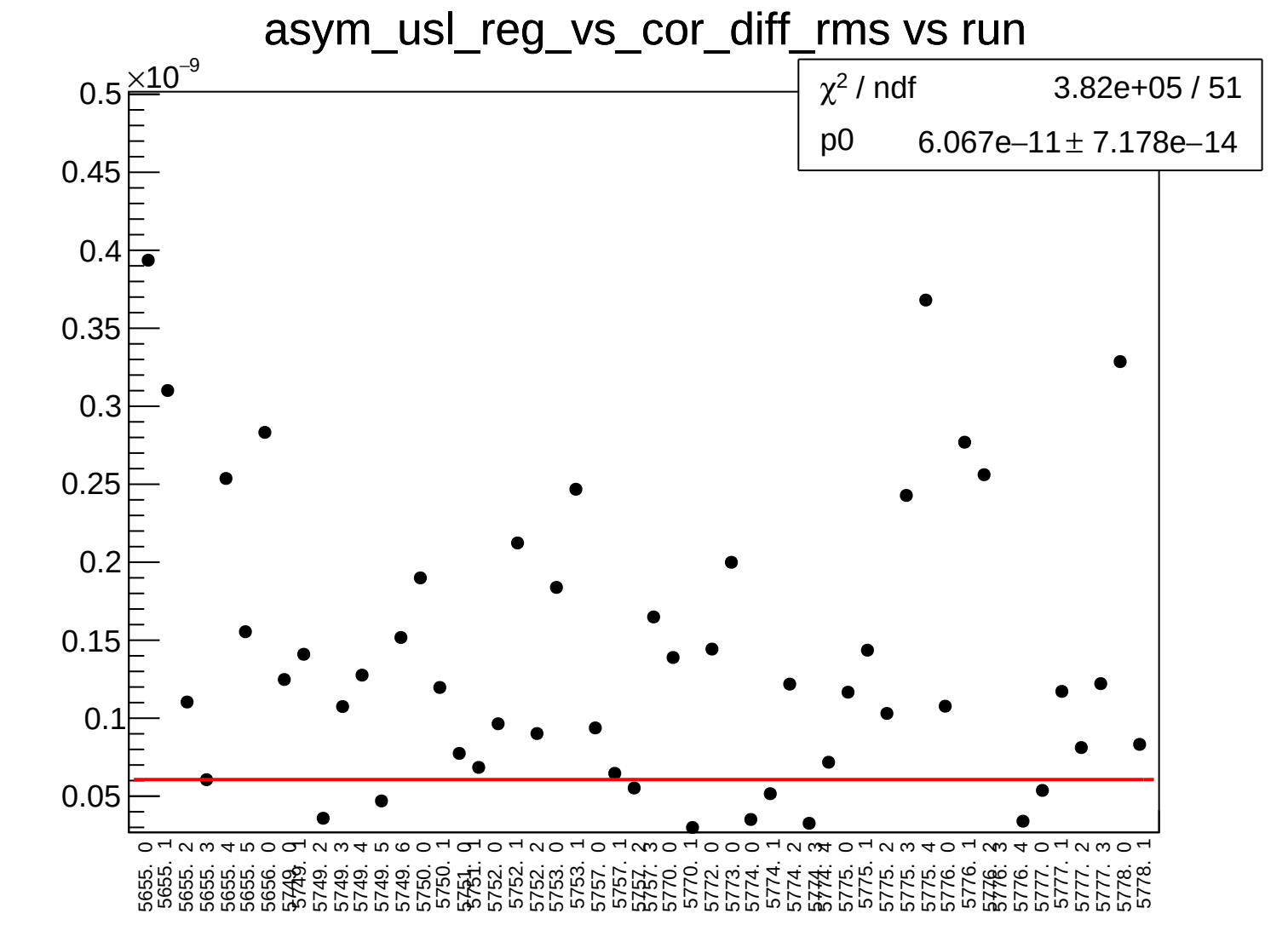

asym_usl_mean vs run
×10^3
χ² / ndf 50.87 / 51
p0 −358.4 ± 2514
pull
Entries 52
Mean −14.75
Std Dev 0

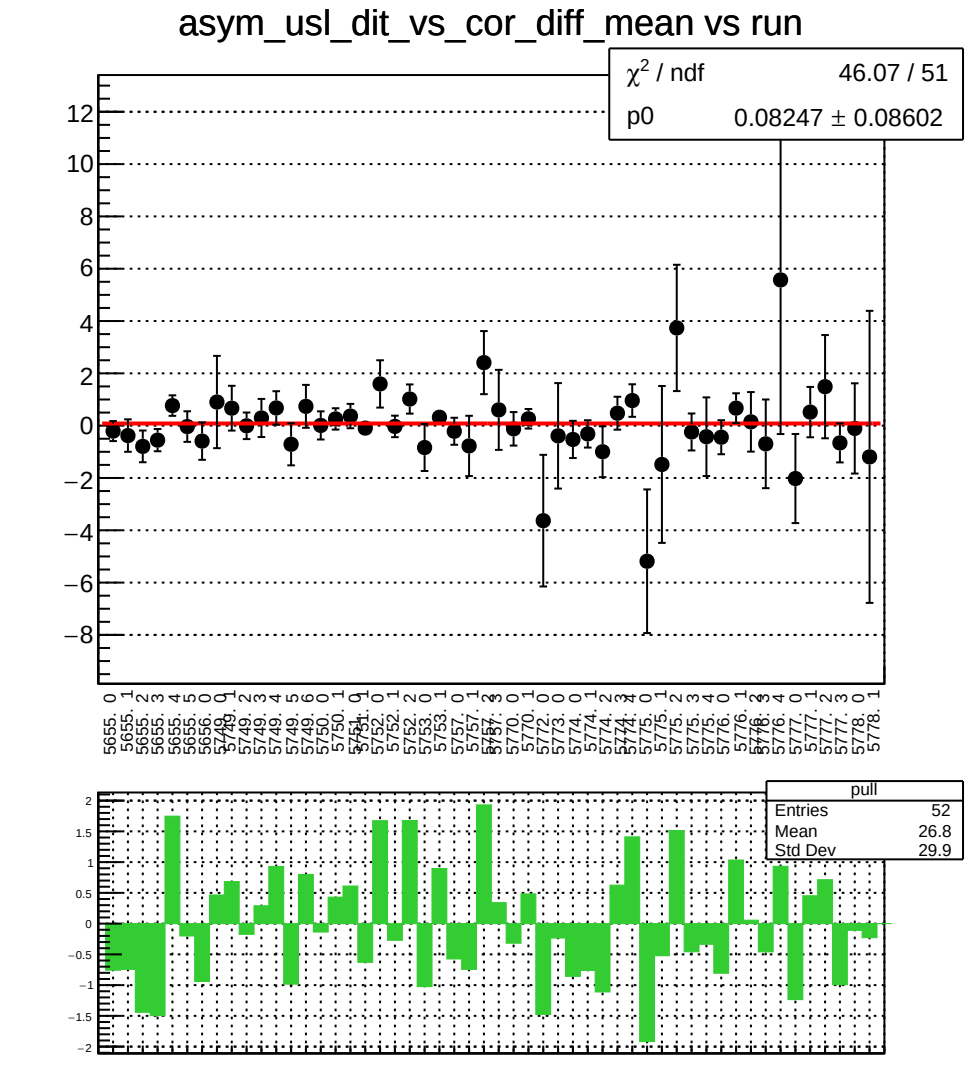

pull1D
Entries 52
Mean −0.02417
Std Dev 0.9888

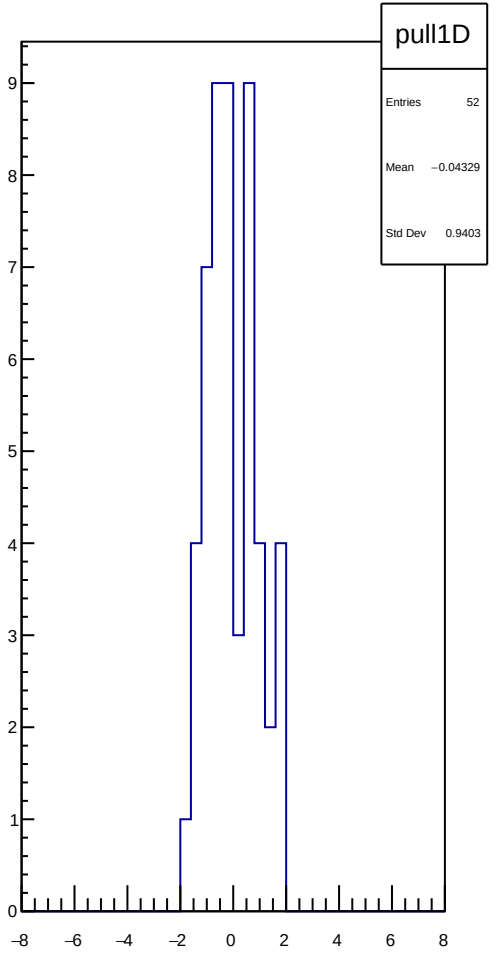

asym_usl_rms vs run
χ² / ndf 1.35e+04 / 51
p0 1850 ± 1.778
2400
2200
2000
1800
1600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

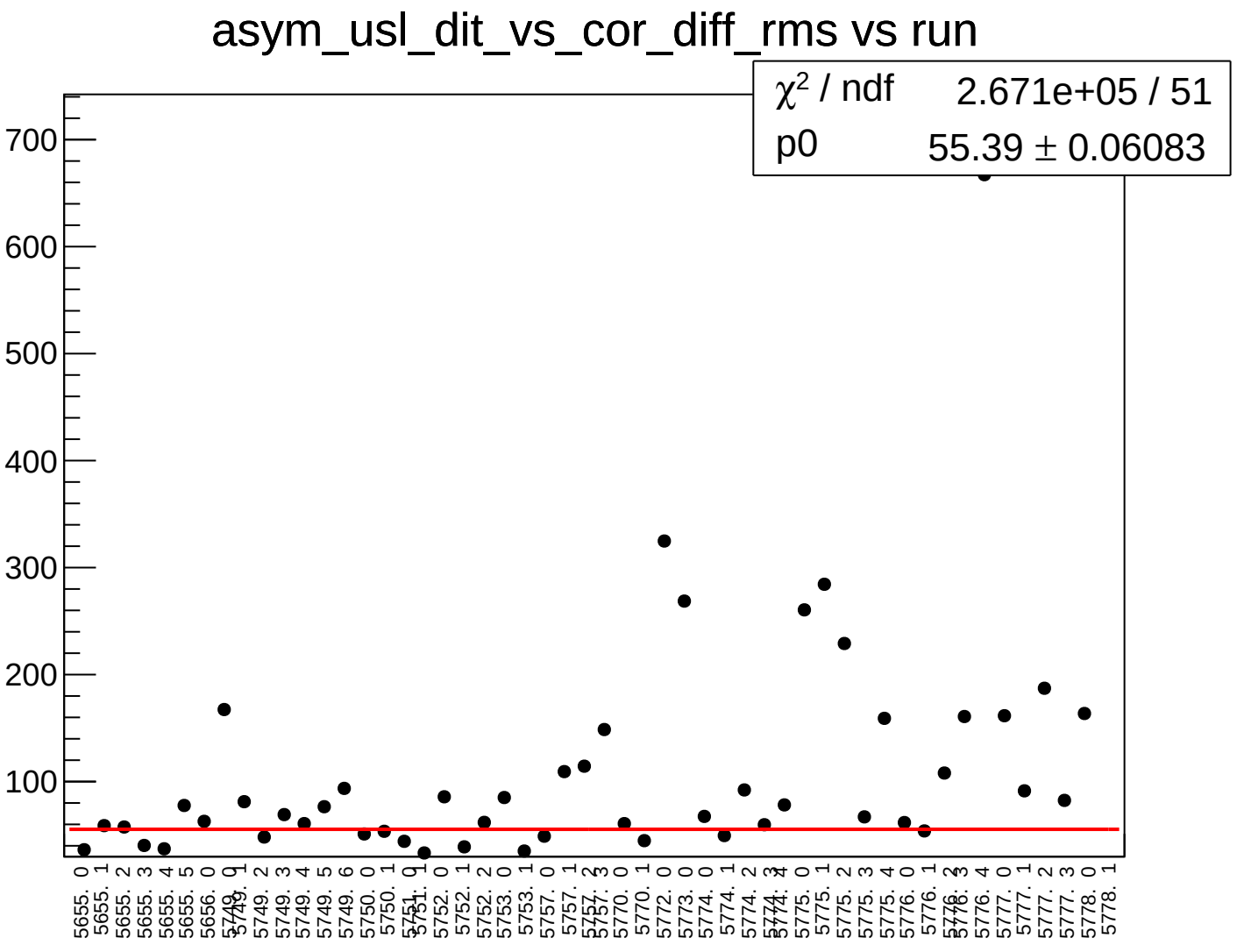

asym_usl_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 43.78 / 51
p0 2.216e−14 ± 1.015e−13
pull
Entries 52
Mean −5.955
Std Dev 0

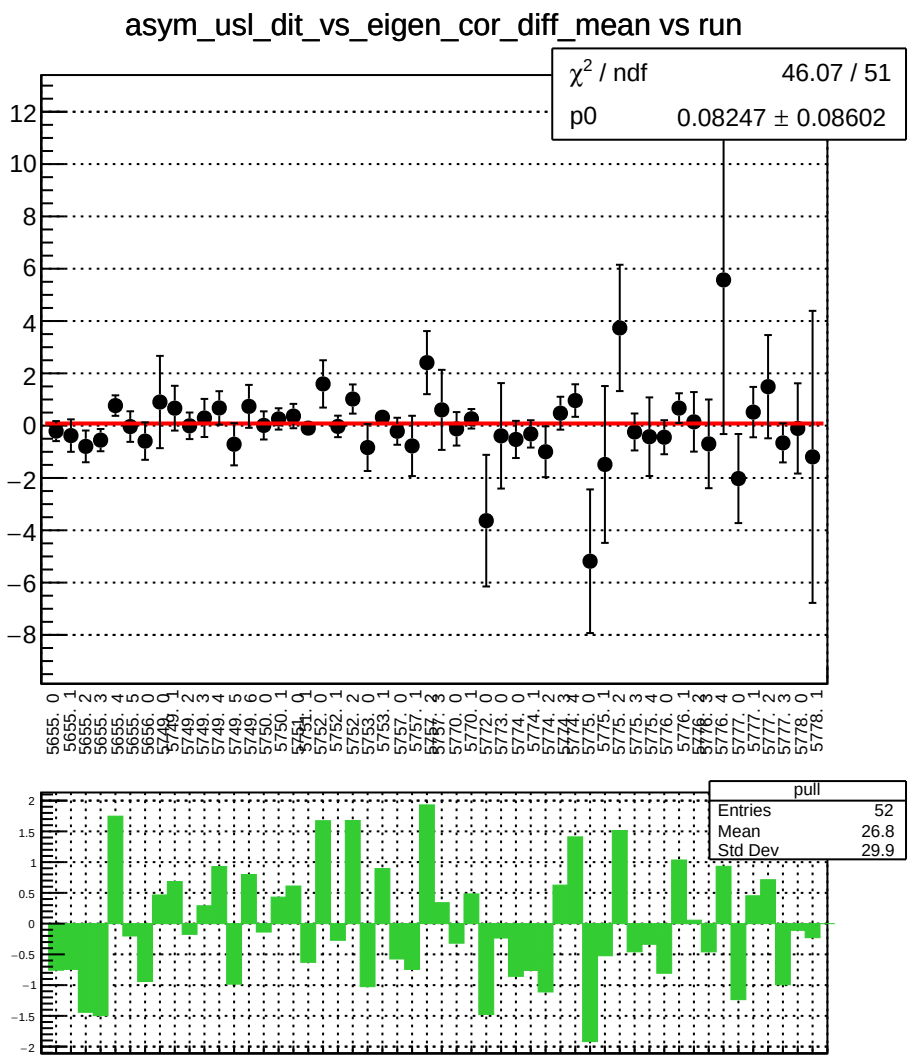

pull1D
Entries 52
Mean 0.09841
Std Dev 0.9123

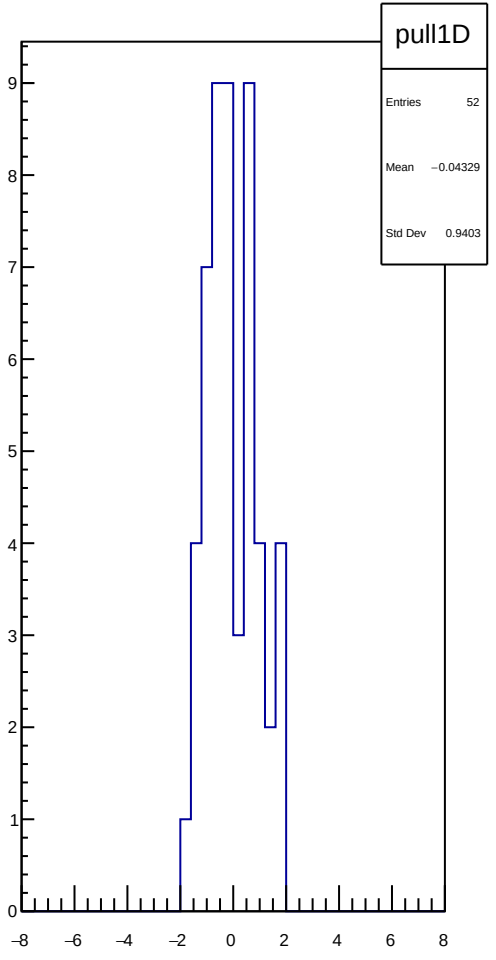

asym_usl_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.82e+05 / 51
p0 6.067e−11 ± 7.178e−14
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

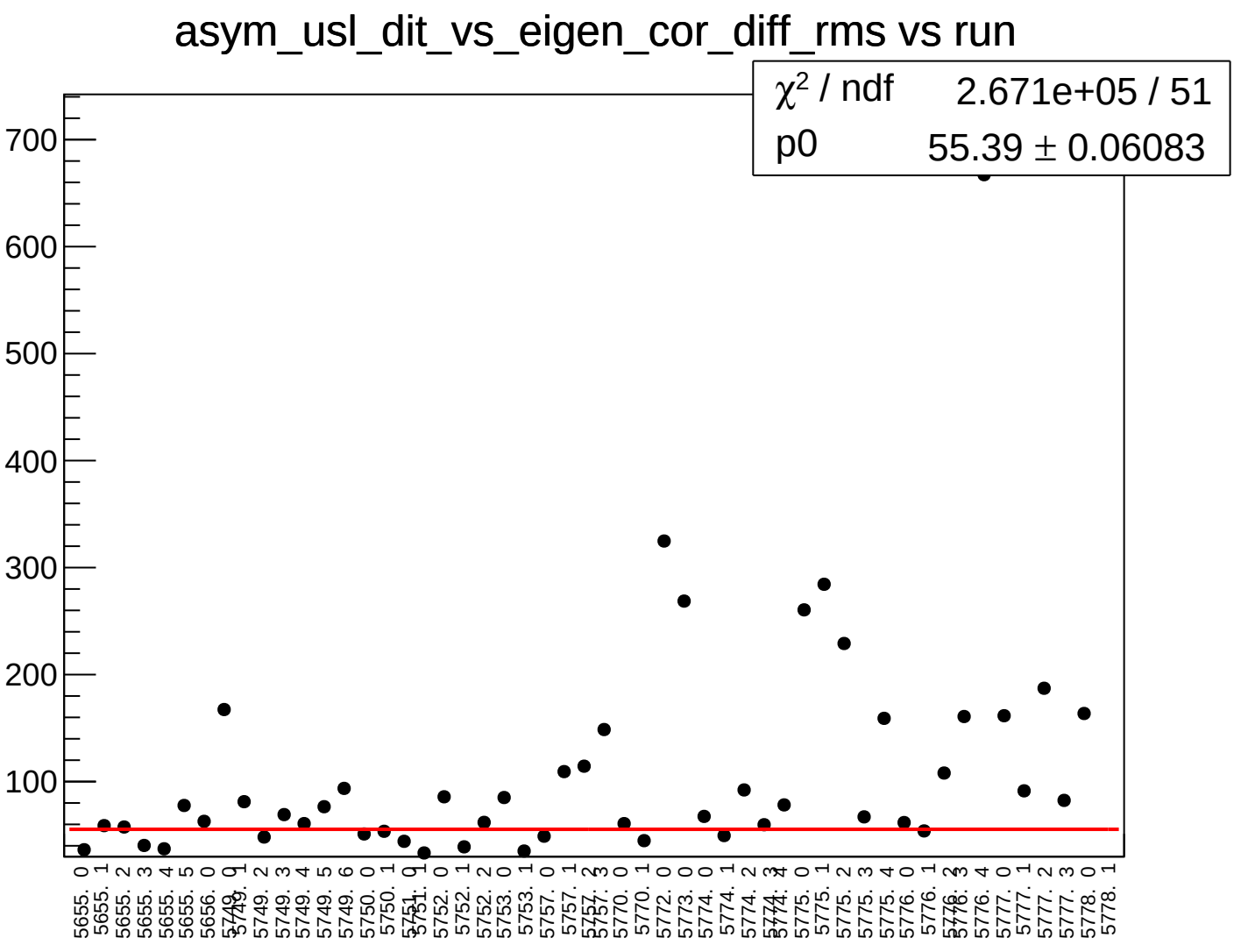

asym_usl_dit_vs_cor_diff_mean vs run
χ² / ndf 46.07 / 51
p0 0.08247 ± 0.08602
pull
Entries 52
Mean 26.8
Std Dev 29.9


pull1D
Entries 52
Mean −0.04329
Std Dev 0.9403


asym_usl_dit_vs_cor_diff_rms vs run
χ² / ndf 2.671e+05 / 51
p0 55.39 ± 0.06083
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usl_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.07 / 51
p0 0.08247 ± 0.08602
pull
Entries 52
Mean 26.8
Std Dev 29.9


pull1D
Entries 52
Mean −0.04329
Std Dev 0.9403


asym_usl_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.671e+05 / 51
p0 55.39 ± 0.06083
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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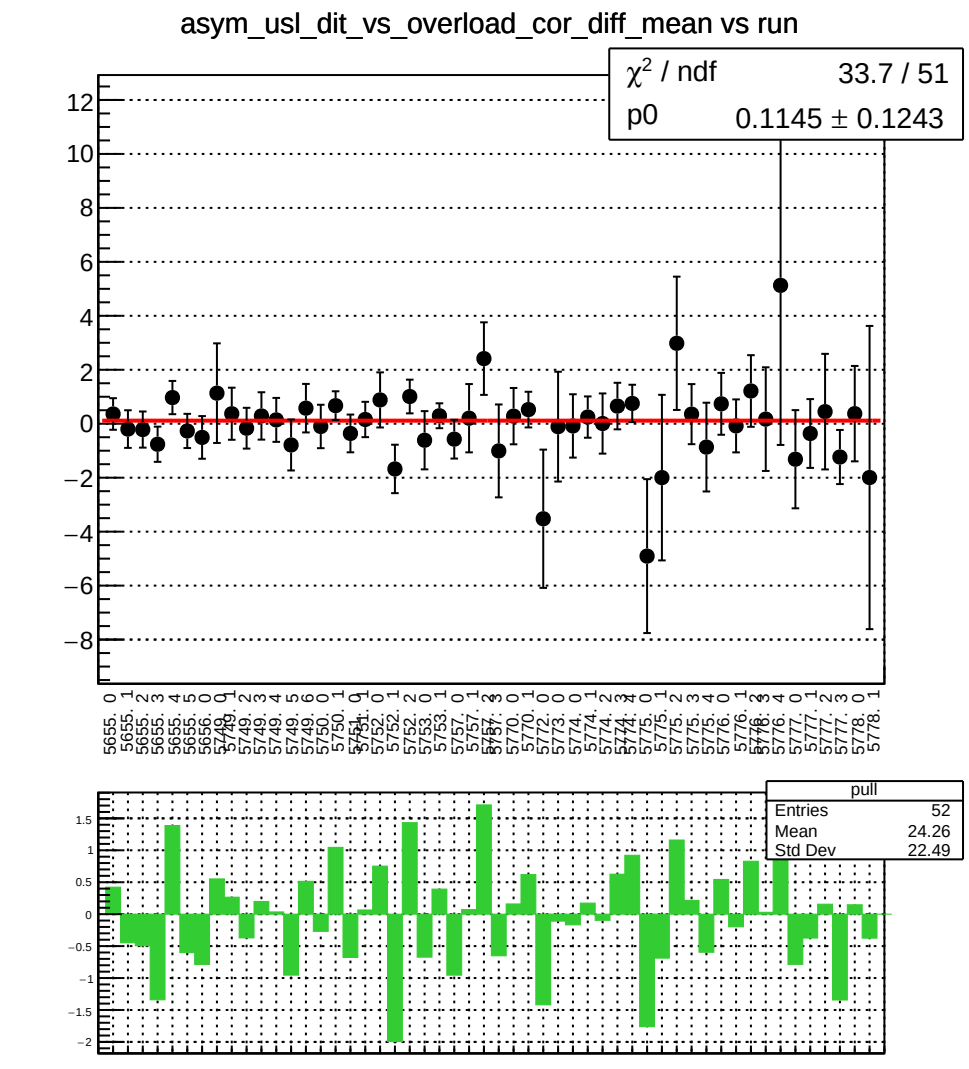
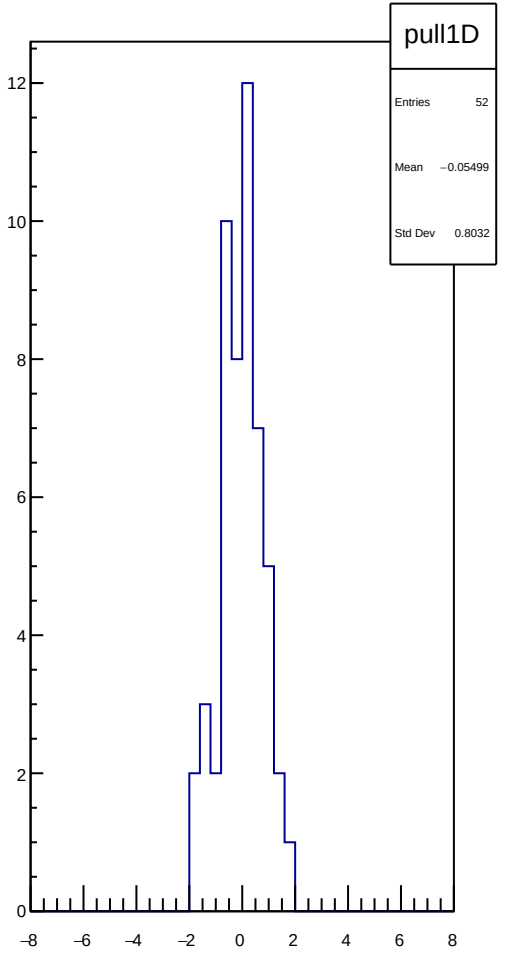
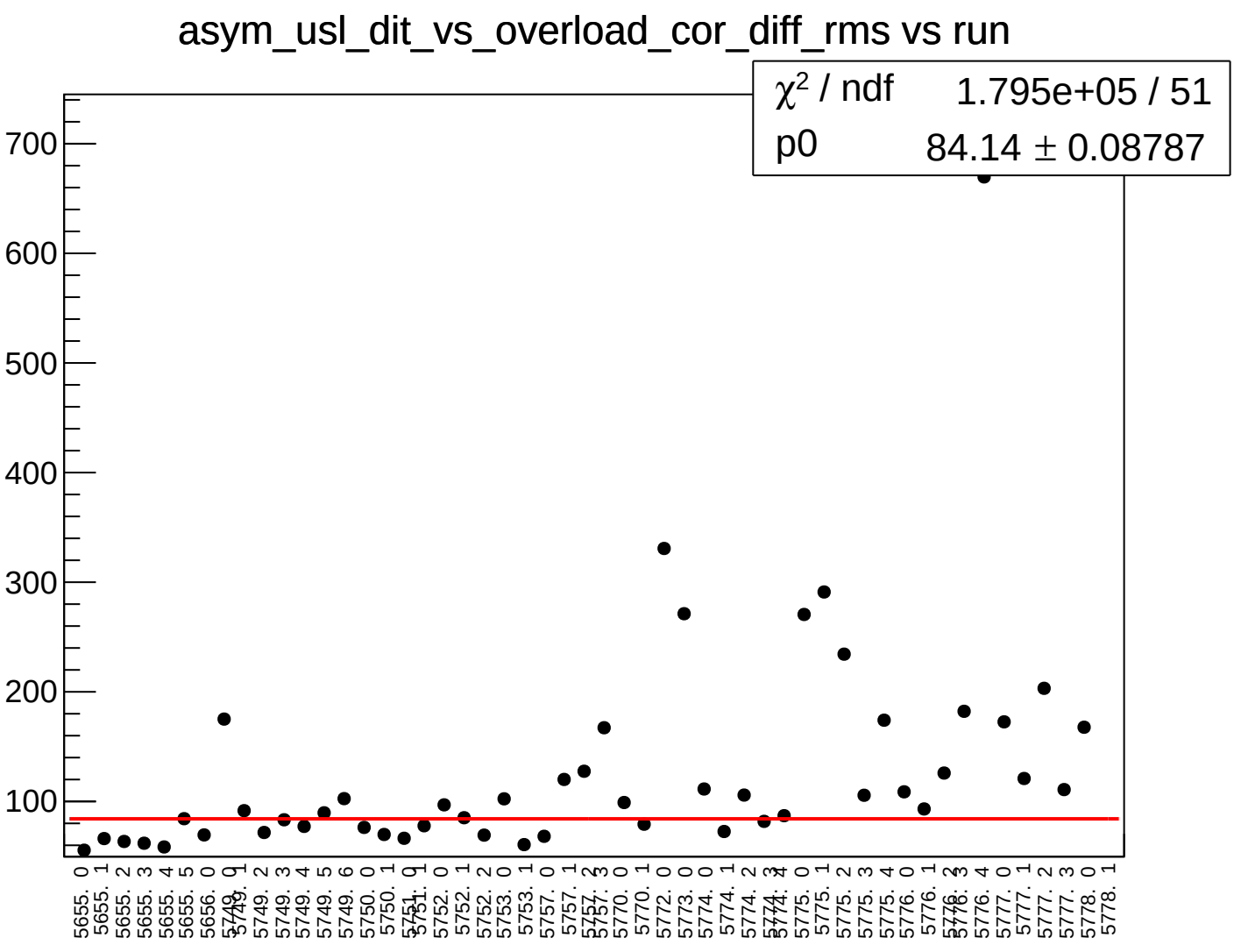
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usl_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 33.7 / 51
p0 0.1145 ± 0.1243
pull
Entries 52
Mean 24.26
Std Dev 22.49


pull1D
Entries 52
Mean −0.05499
Std Dev 0.8032


asym_usl_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.795e+05 / 51
p0 84.14 ± 0.08787
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
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5772. 0
5773. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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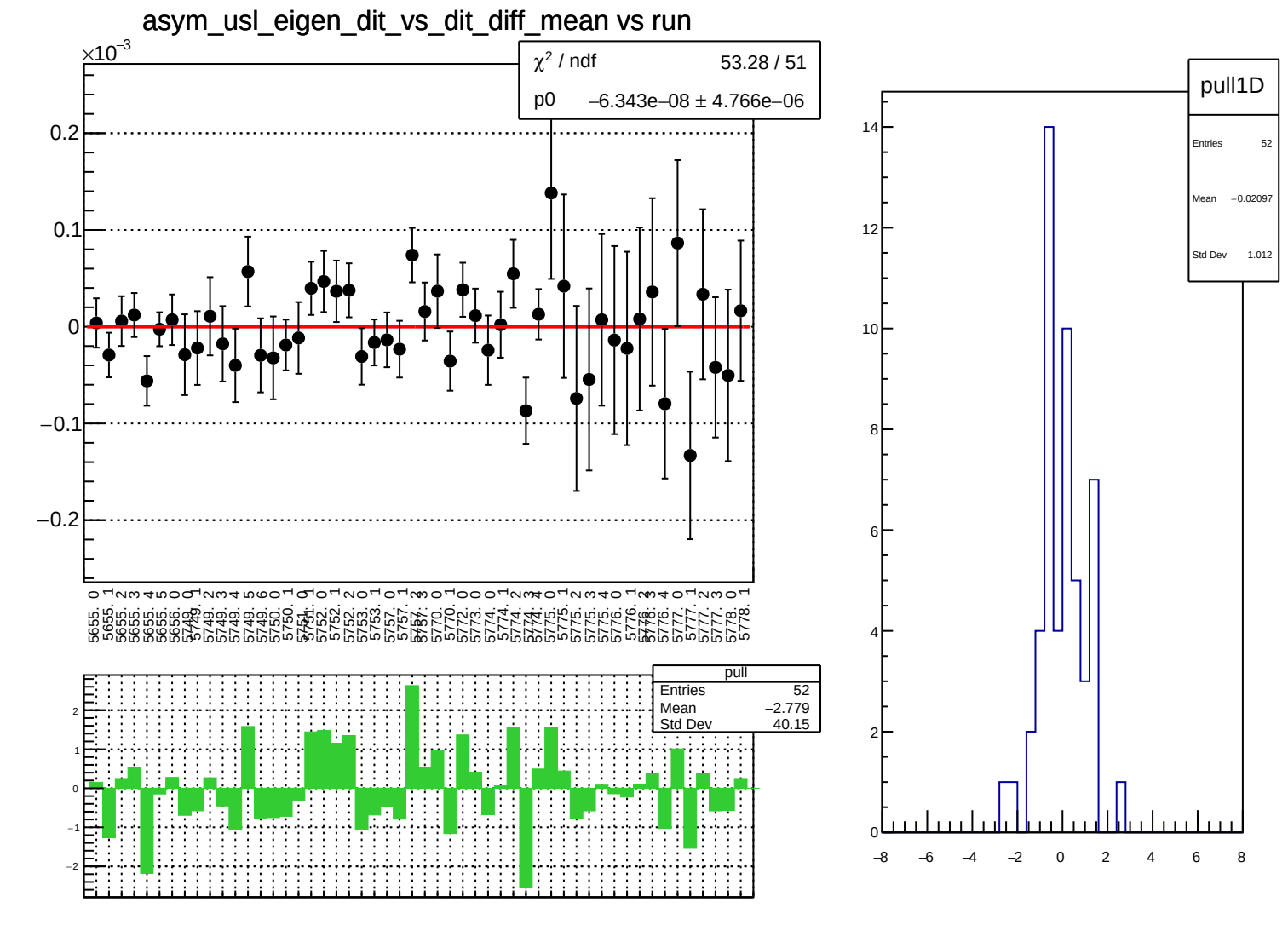
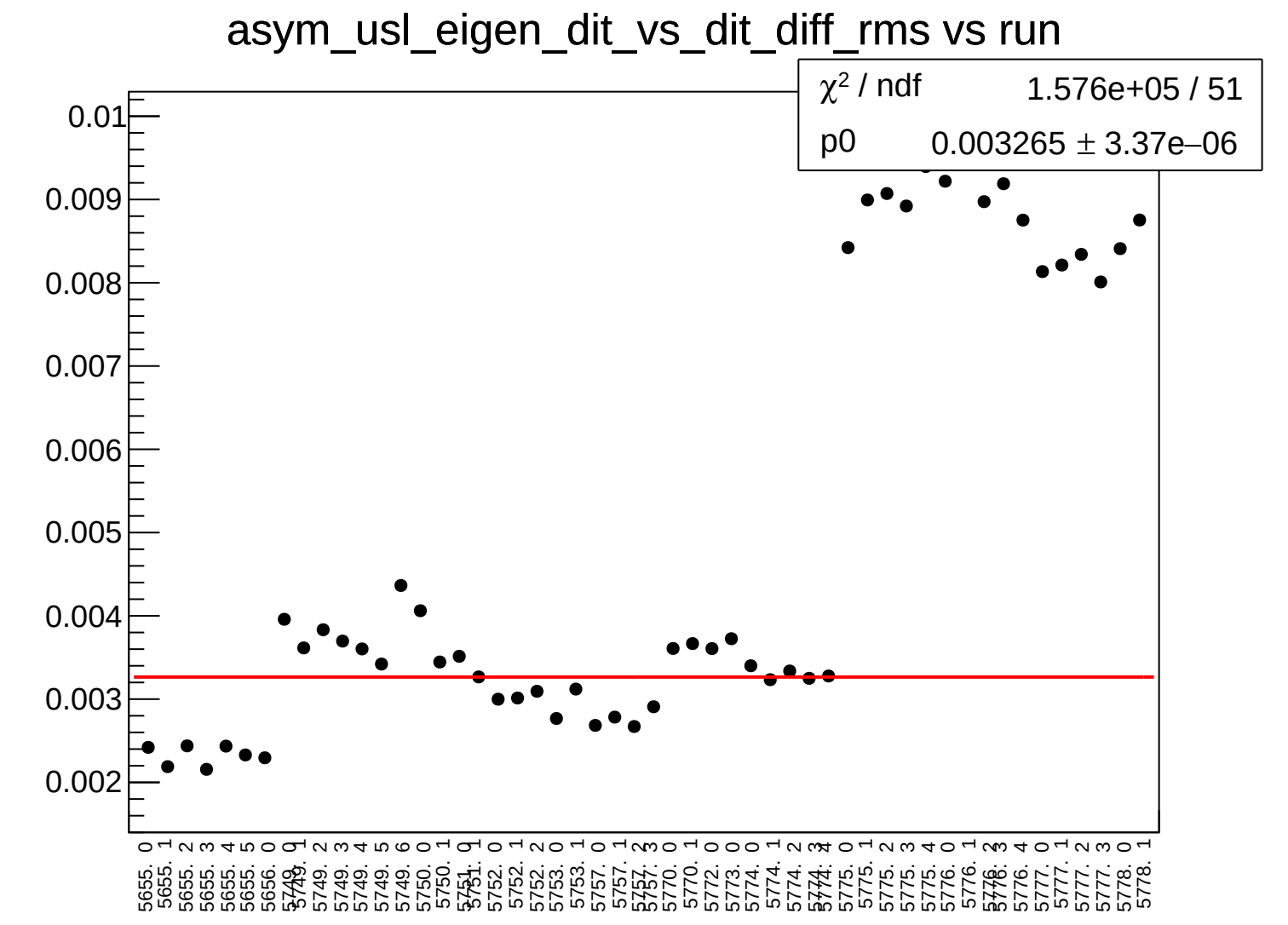
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usl_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.28 / 51
p0 −6.343e−08 ± 4.766e−06
pull
Entries 52
Mean −2.779
Std Dev 40.15
pull1D
Entries 52
Mean −0.02097
Std Dev 1.012


asym_usl_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.576e+05 / 51
p0 0.003265 ± 3.37e–06
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
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5776. 0
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5777. 1
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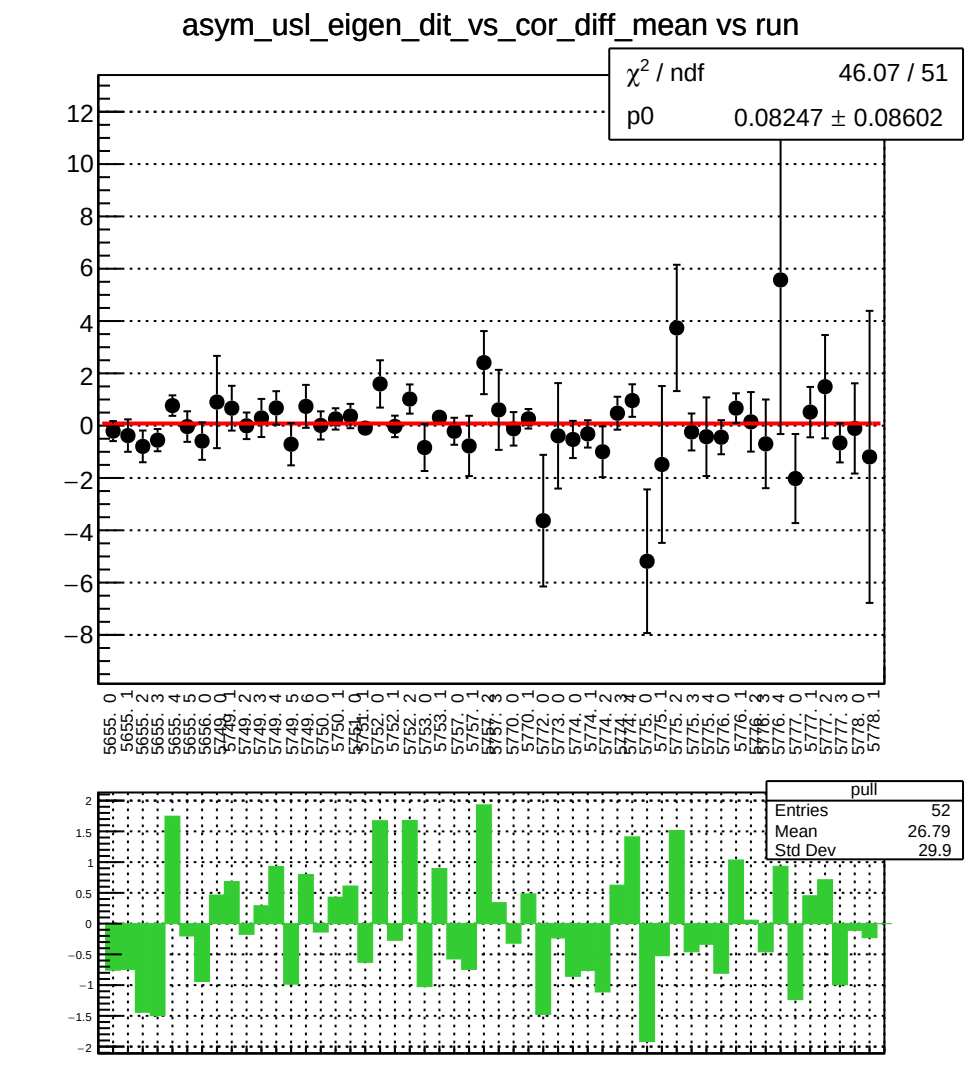
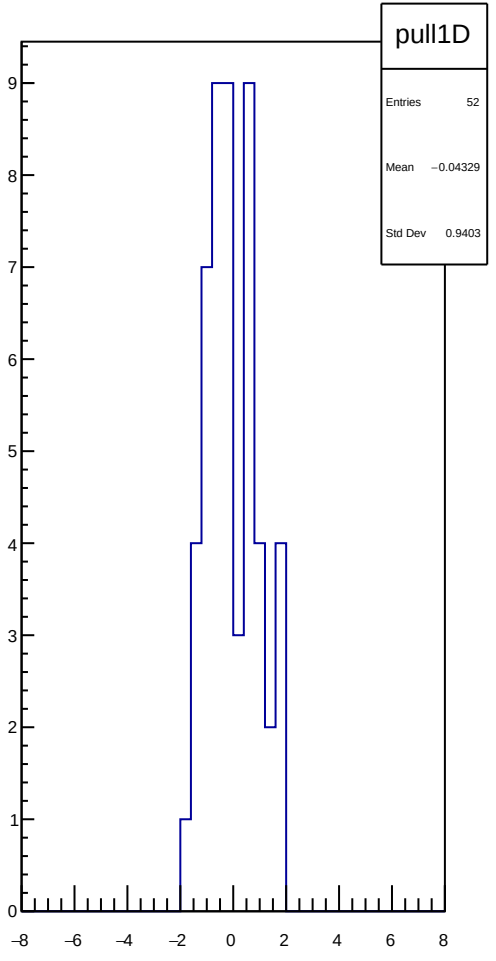
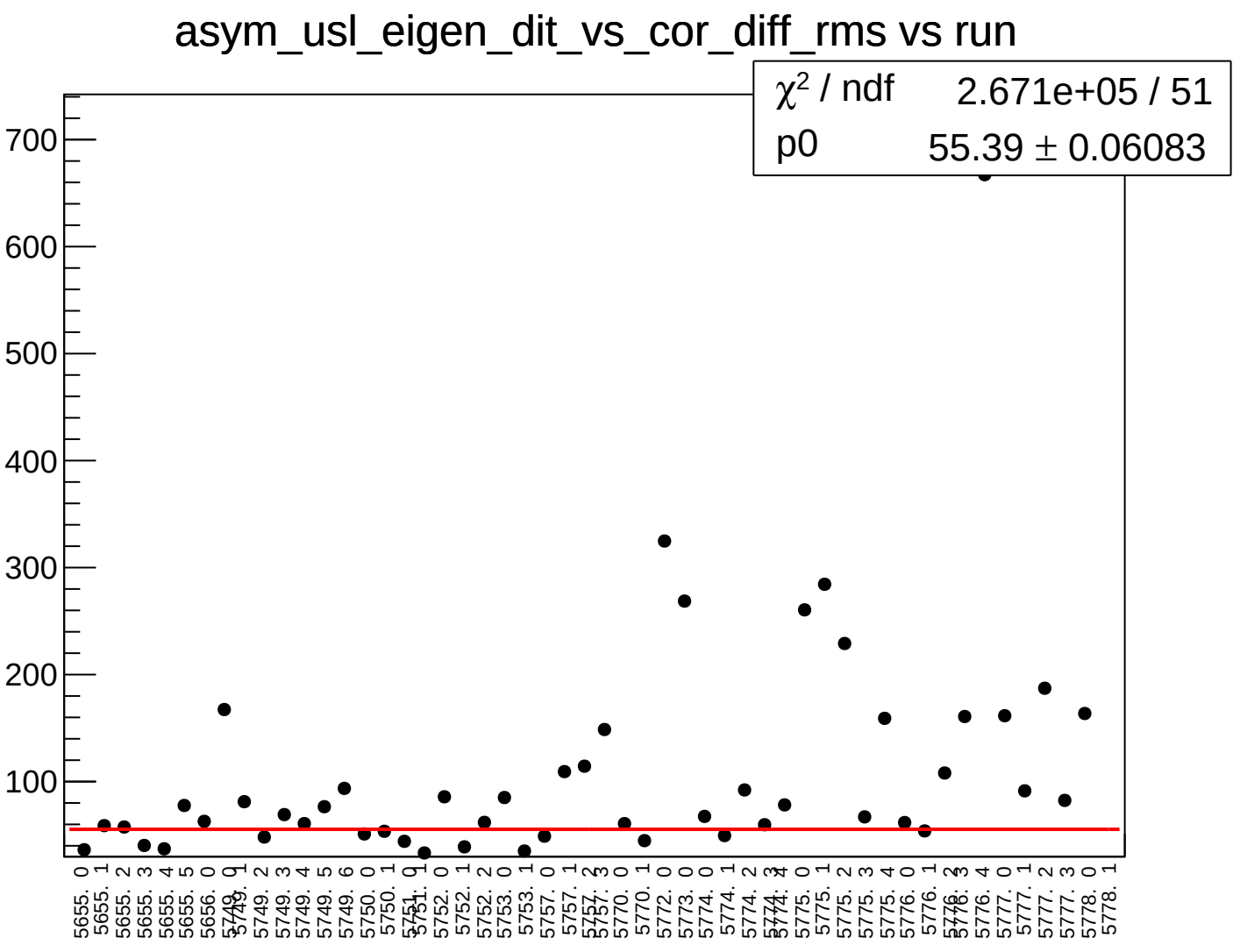
5778. 1


asym_usl_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.07 / 51
p0 0.08247 ± 0.08602
pull
Entries 52
Mean 26.79
Std Dev 29.9


pull1D
Entries 52
Mean −0.04329
Std Dev 0.9403


asym_usl_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.671e+05 / 51
p0 55.39 ± 0.06083
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
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5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
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5775. 1
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5775. 3
5775. 4
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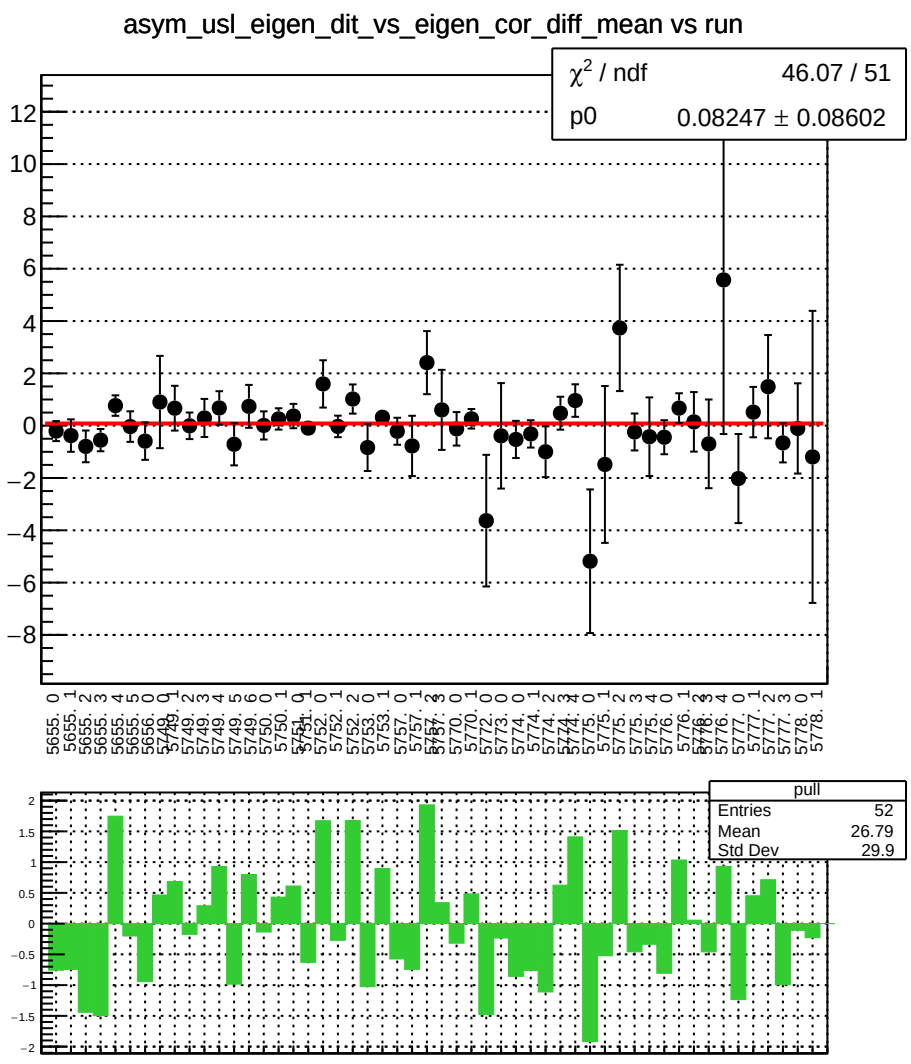
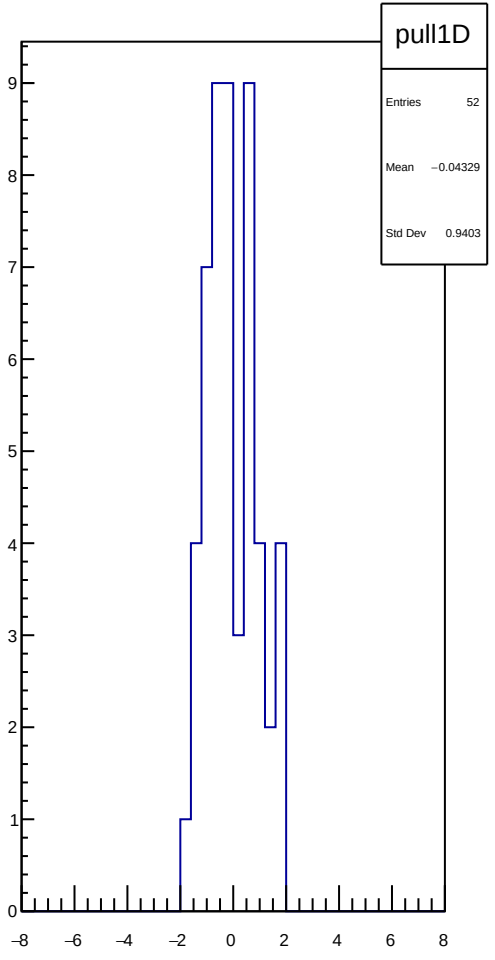
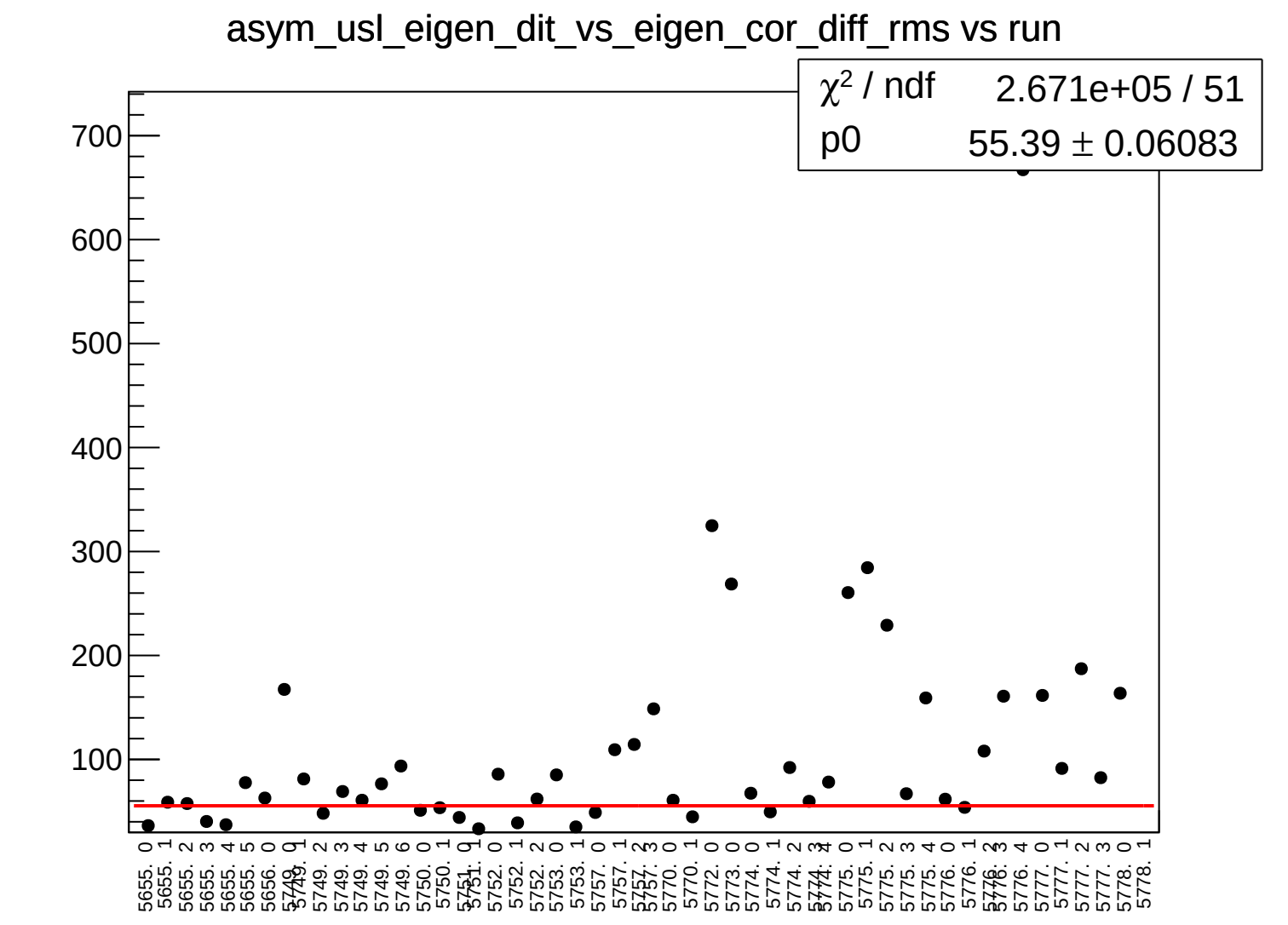
5778. 1


asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.07 / 51
p0 0.08247 ± 0.08602
pull
Entries 52
Mean 26.79
Std Dev 29.9


pull1D
Entries 52
Mean −0.04329
Std Dev 0.9403


asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.671e+05 / 51
p0 55.39 ± 0.06083
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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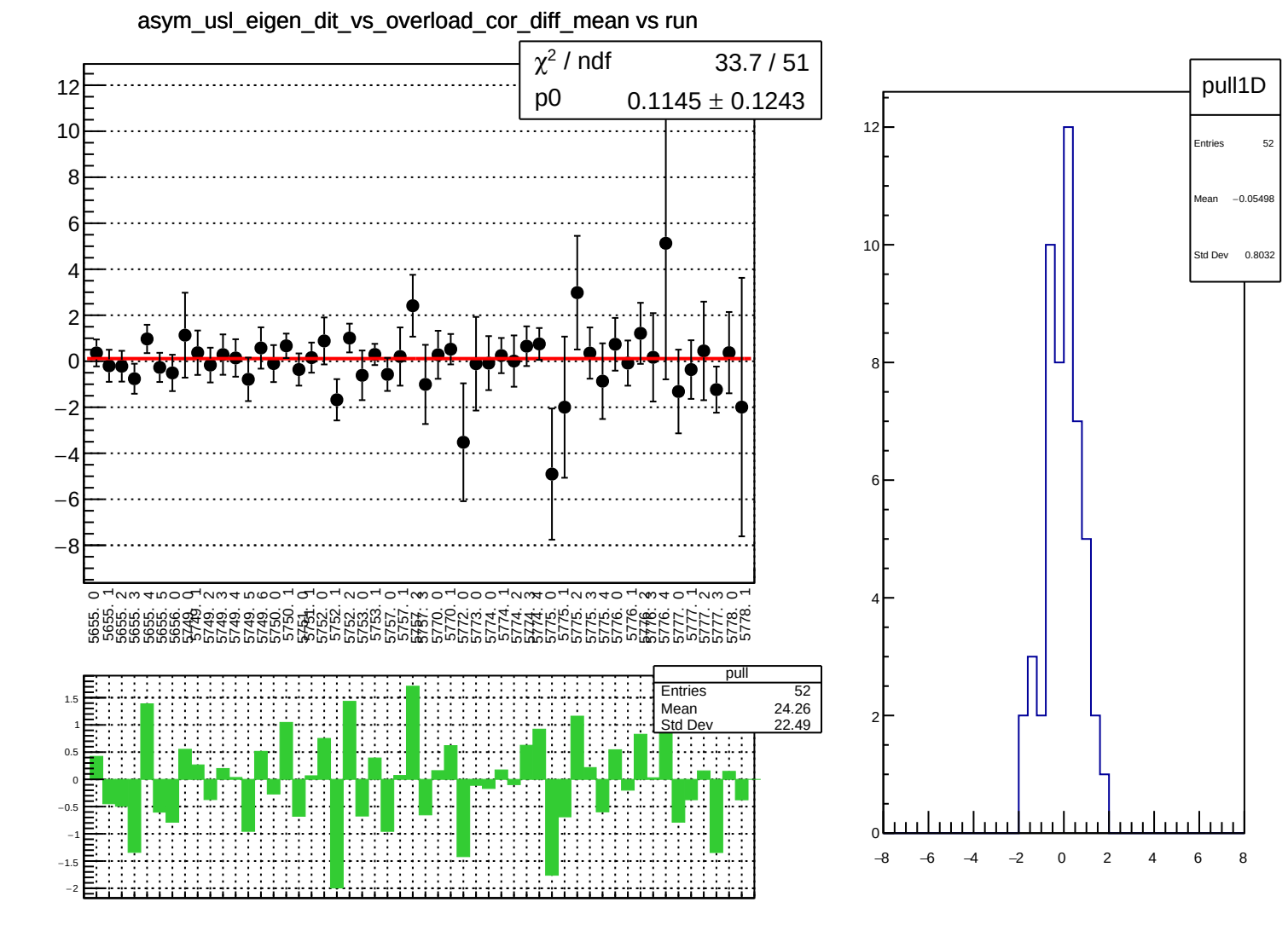
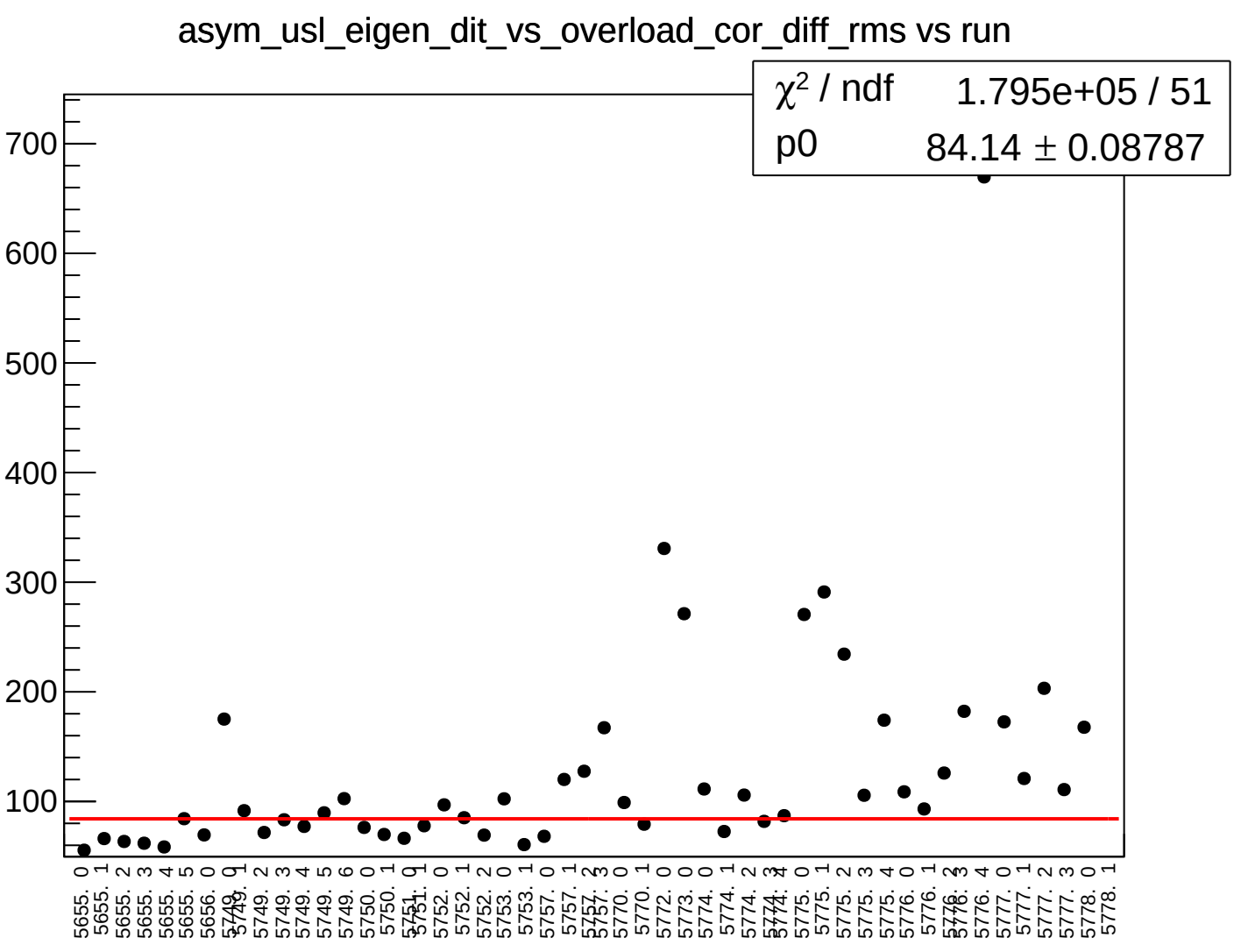
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usl_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 33.7 / 51
p0 0.1145 ± 0.1243
pull
Entries 52
Mean 24.26
Std Dev 22.49
pull1D
Entries 52
Mean −0.05498
Std Dev 0.8032


asym_usl_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.795e+05 / 51
p0 84.14 ± 0.08787
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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5776. 3
5776. 4
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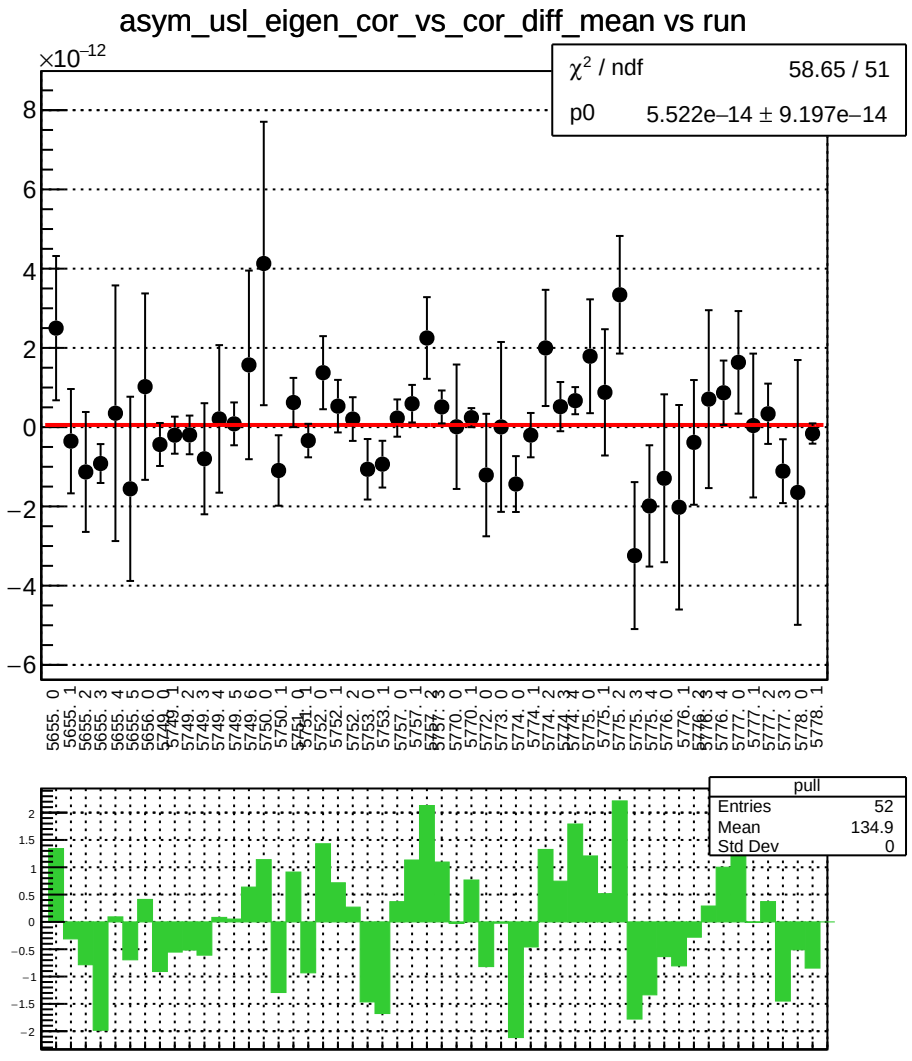
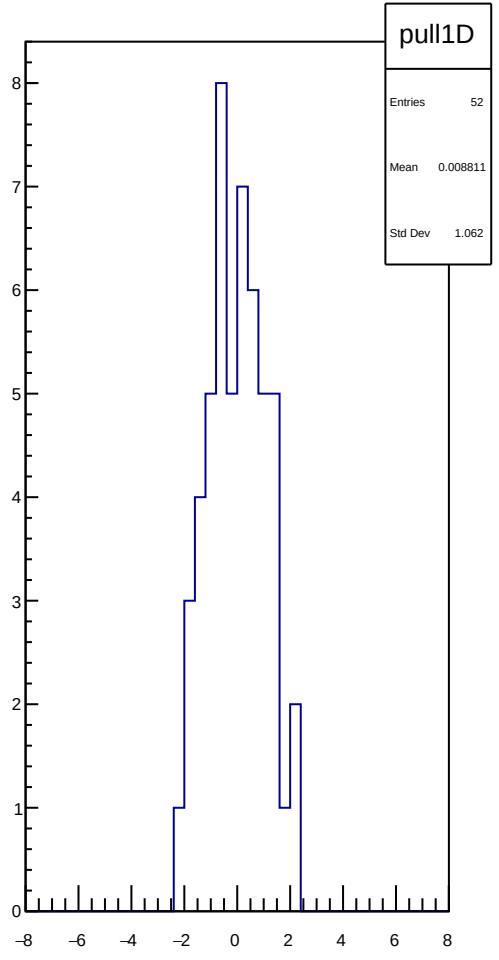
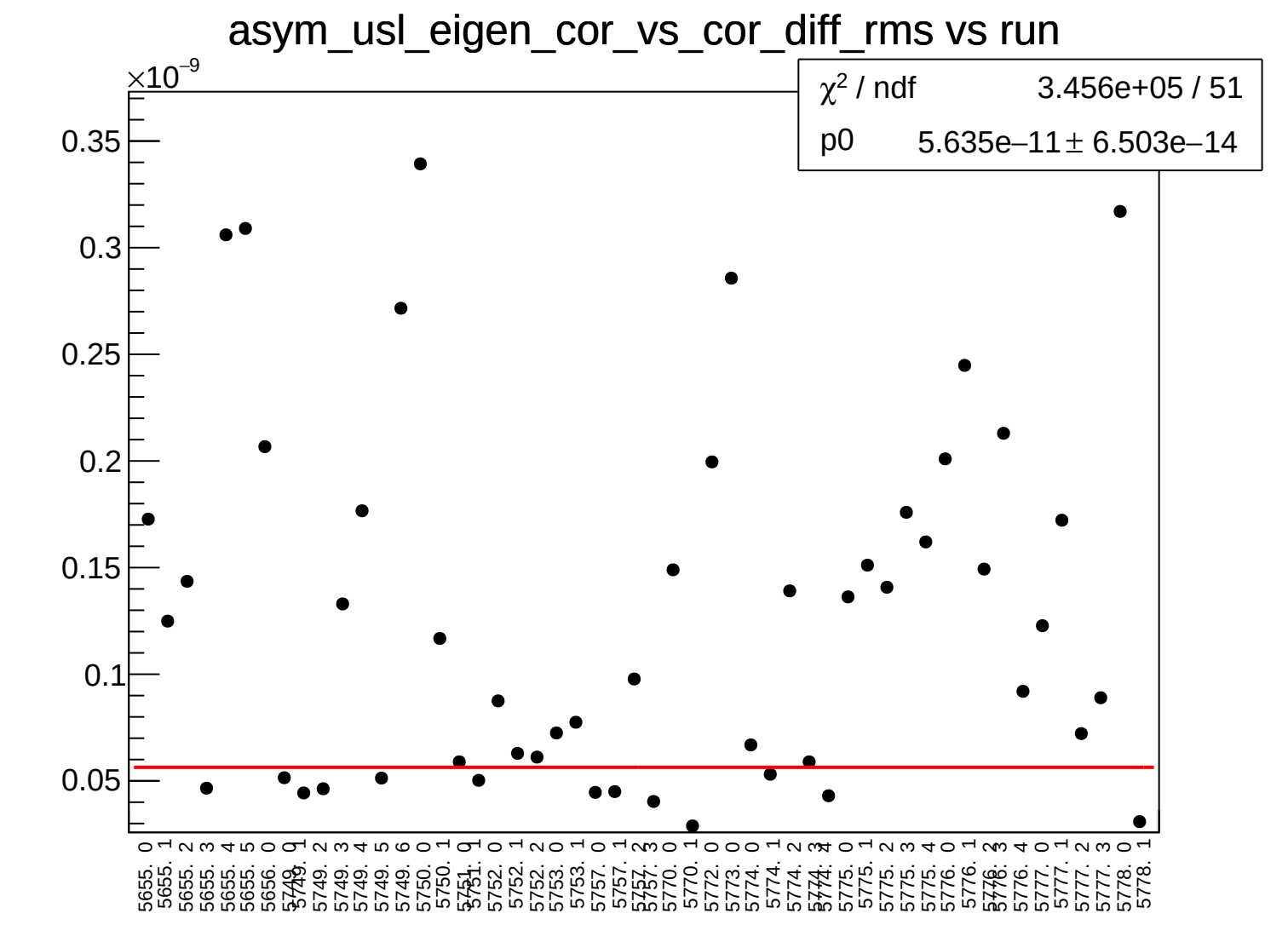
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usl_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.65 / 51
p0 5.522e−14 ± 9.197e−14
pull
Entries 52
Mean 134.9
Std Dev 0


pull1D
Entries 52
Mean 0.008811
Std Dev 1.062


asym_usl_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.456e+05 / 51
p0 5.635e−11 ± 6.503e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
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5775. 3
5775. 4
5776. 0
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5776. 4
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5777. 2
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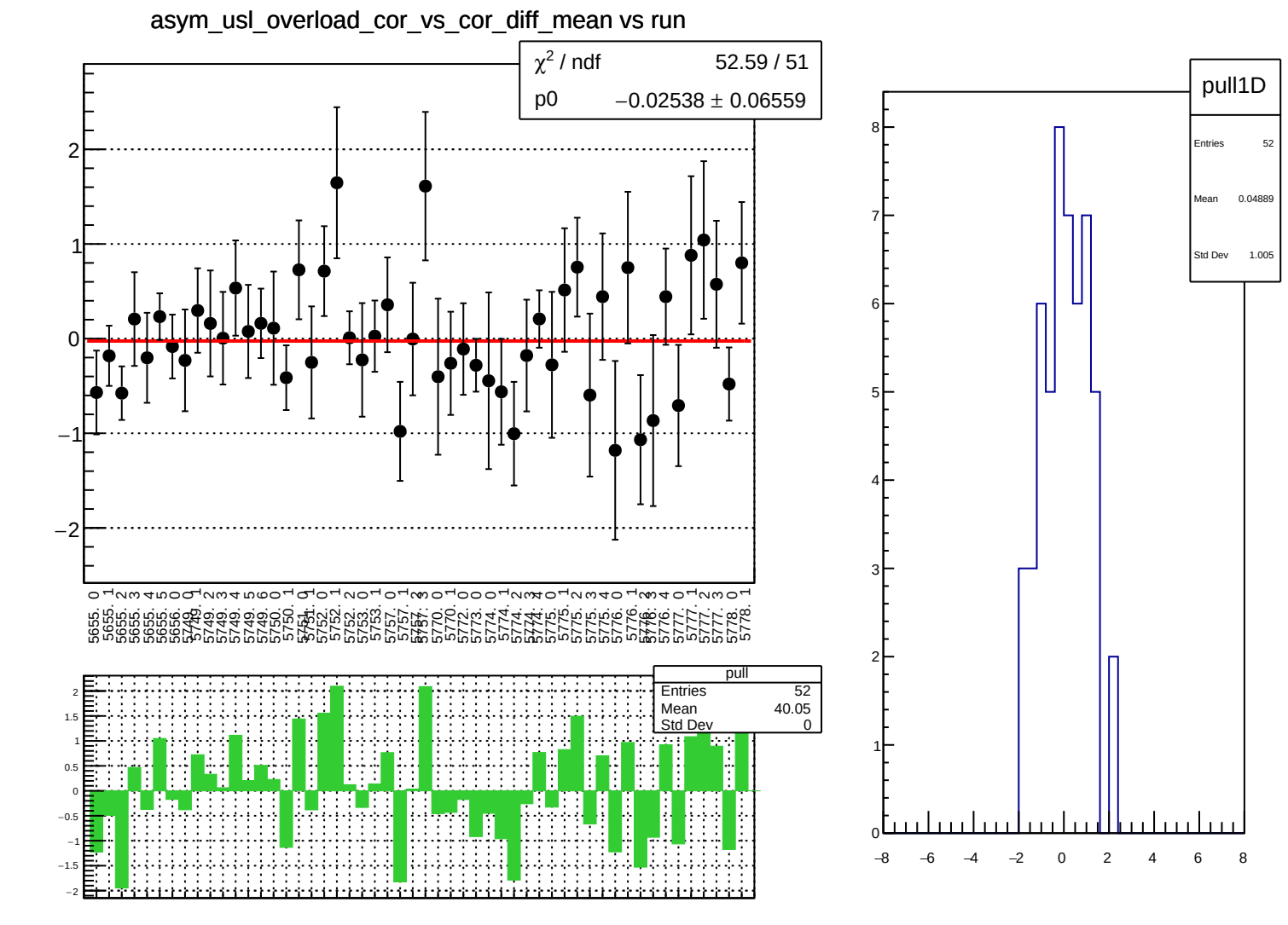
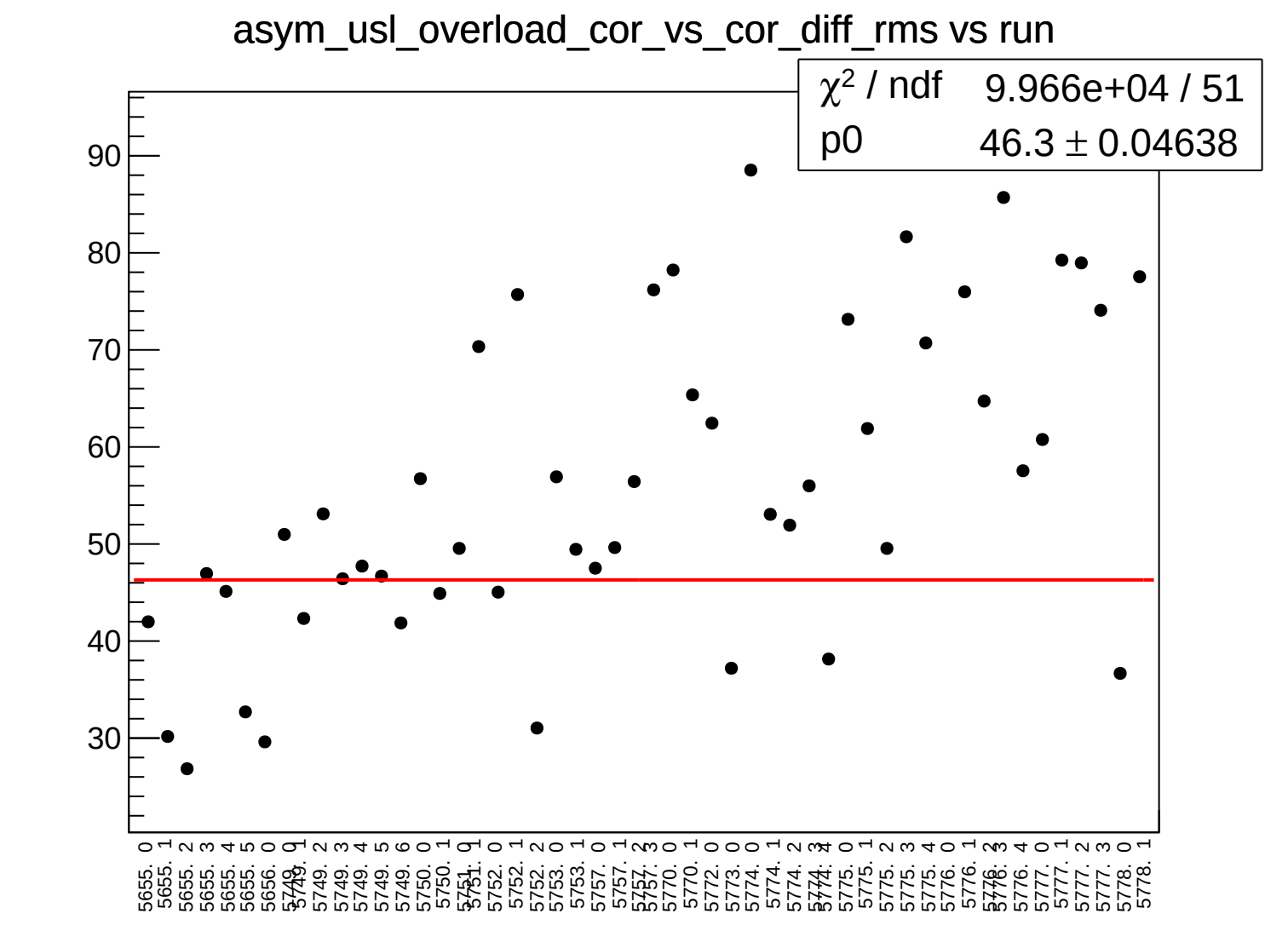
5778. 0
5778. 1


asym_usl_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 52.59 / 51
p0 −0.02538 ± 0.06559
pull
Entries 52
Mean 40.05
Std Dev 0
pull1D
Entries 52
Mean 0.04889
Std Dev 1.005


asym_usl_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 9.966e+04 / 51
p0 46.3 ± 0.04638
90
80
70
60
50
40
30
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
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5774. 2
5775. 0
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5775. 3
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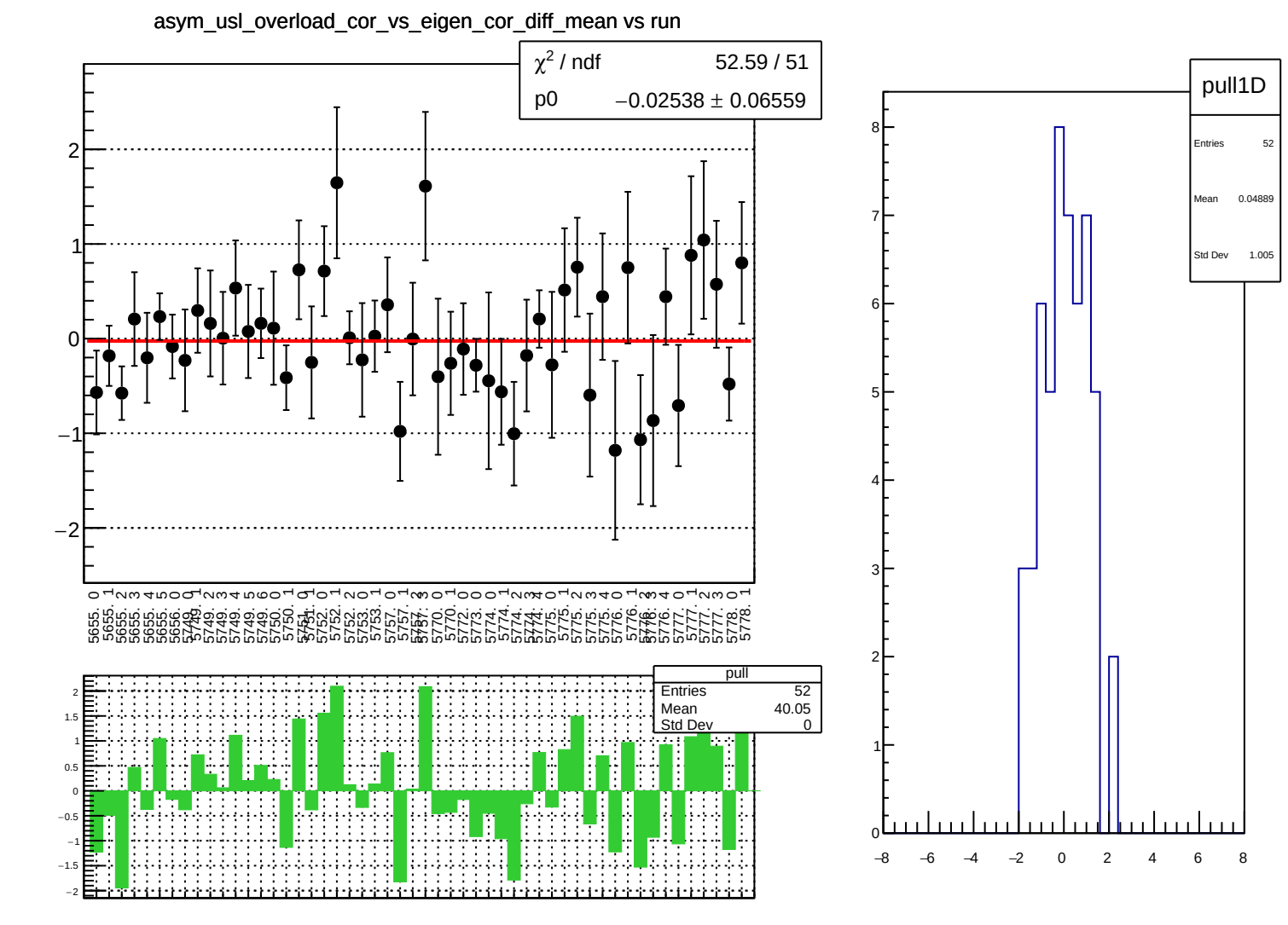
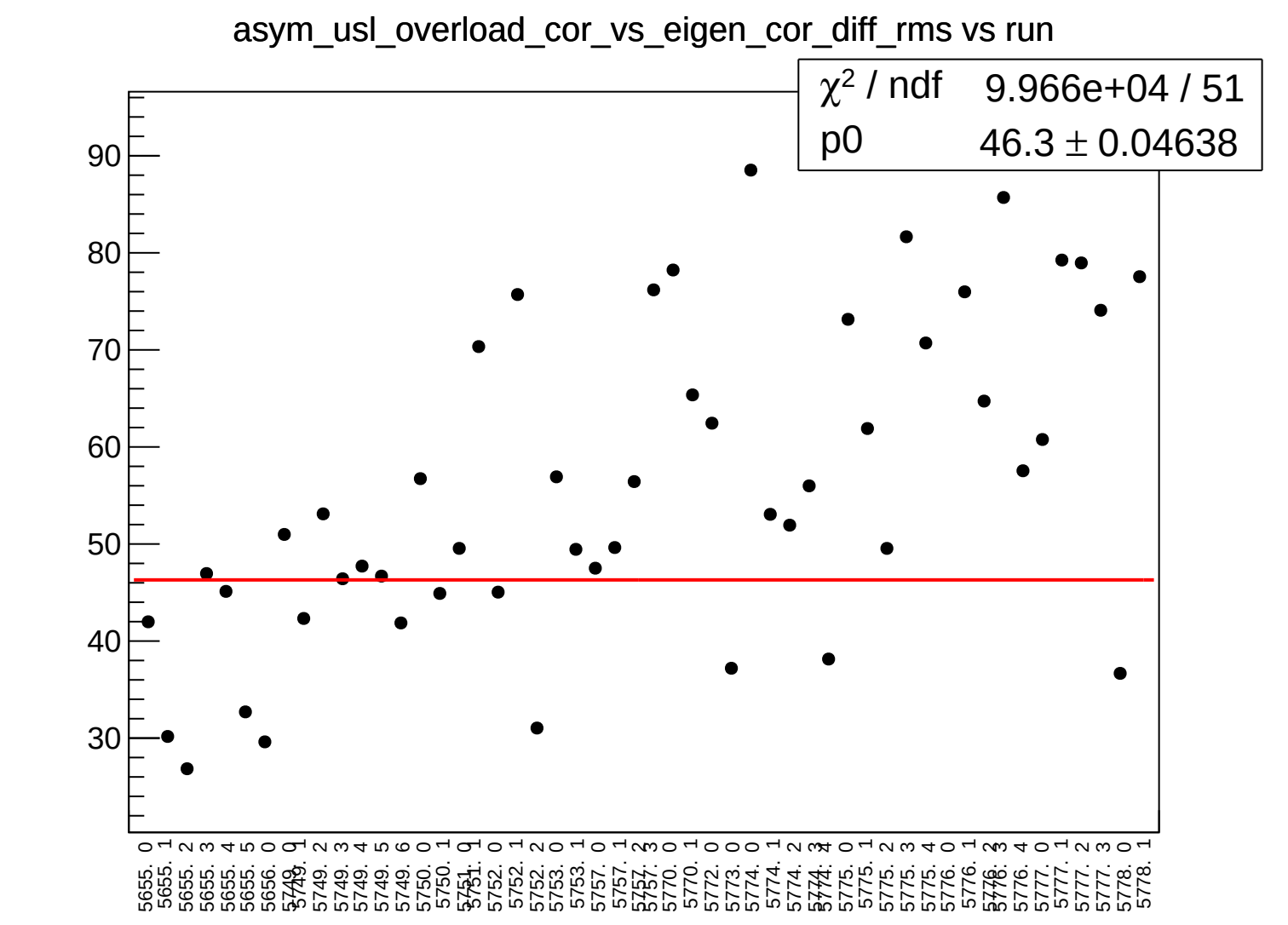

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.59 / 51
p0 −0.02538 ± 0.06559
pull
Entries 52
Mean 40.05
Std Dev 0
pull1D
Entries 52
Mean 0.04889
Std Dev 1.005


asym_usl_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.966e+04 / 51
p0 46.3 ± 0.04638
90
80
70
60
50
40
30
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
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5750. 1
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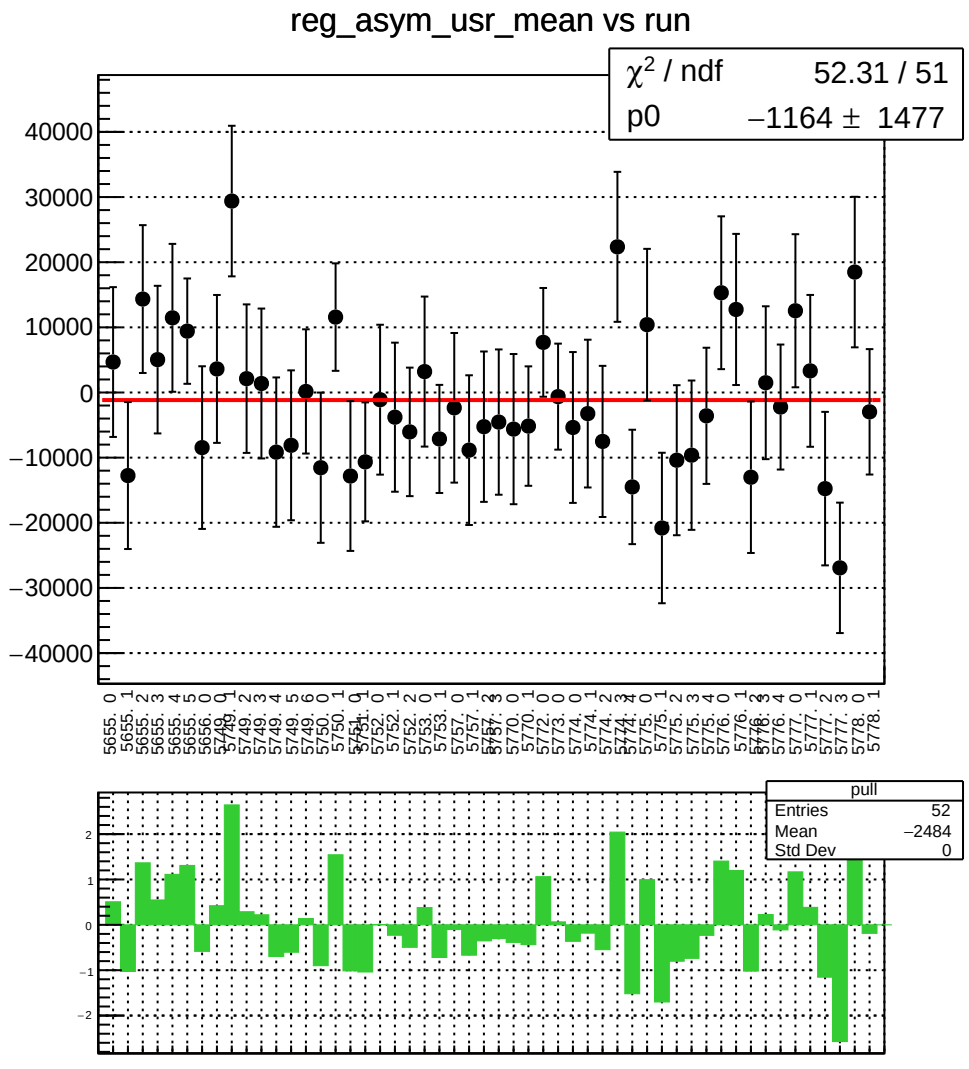
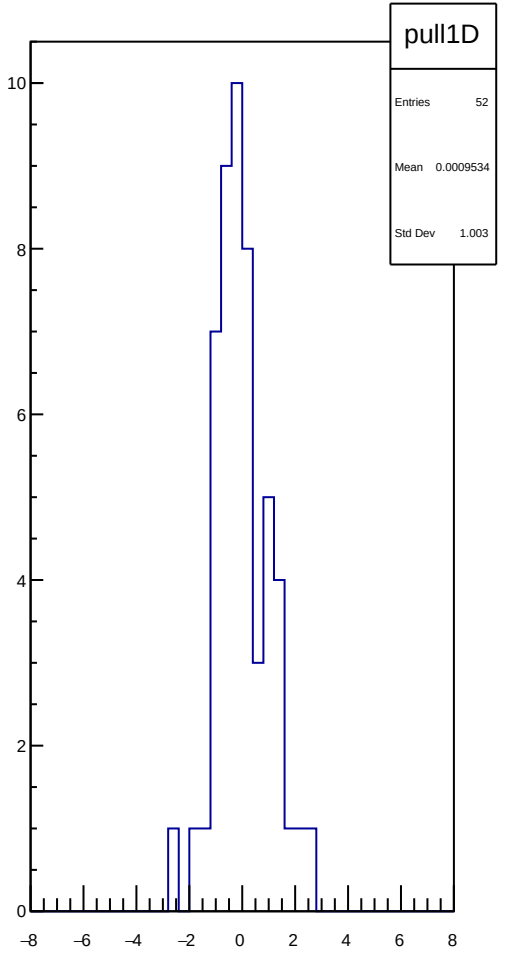
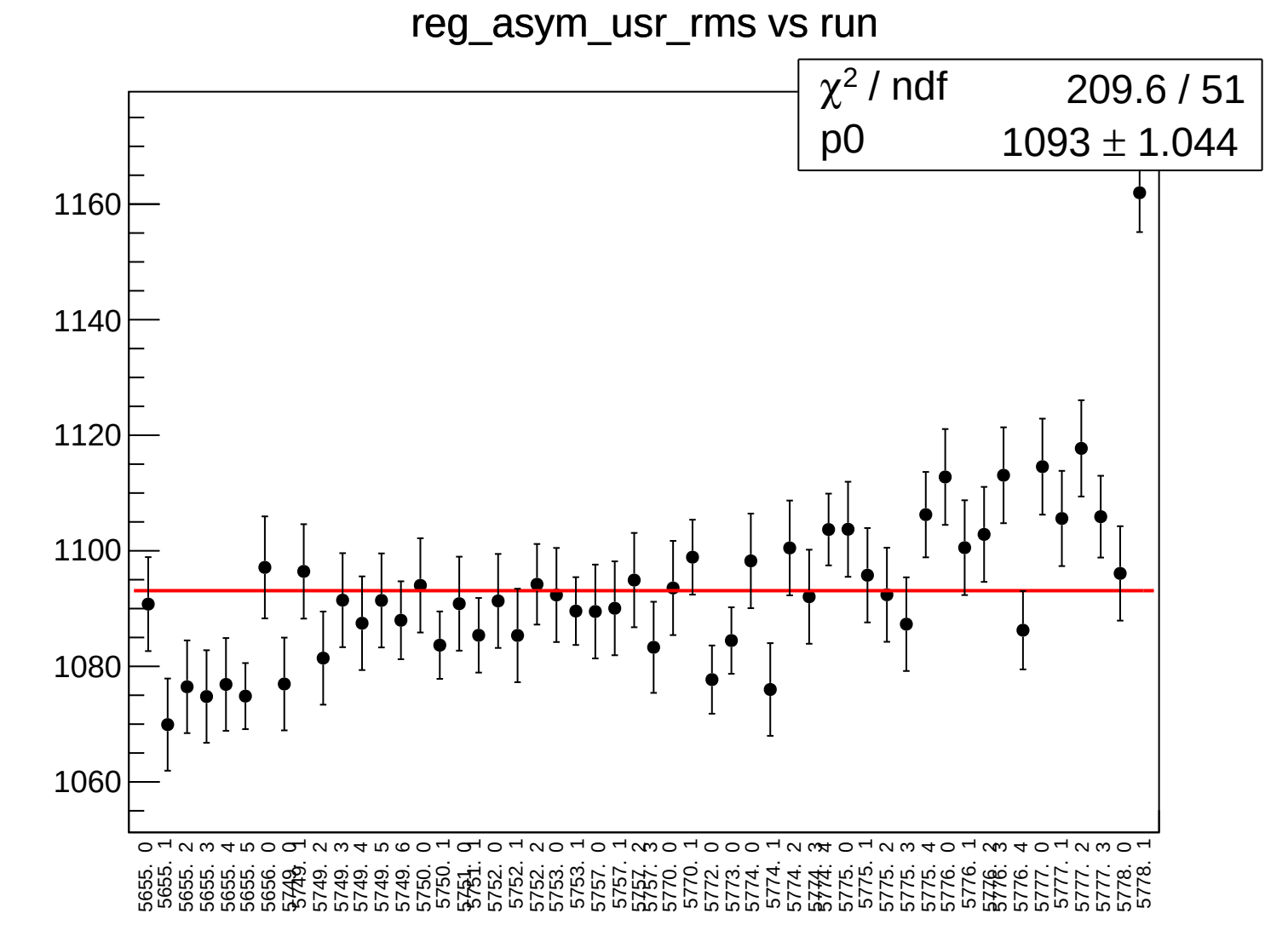

reg_asym_usr_mean vs run
χ² / ndf 52.31 / 51
p0 −1164 ± 1477
pull
Entries 52
Mean −2484
Std Dev 0


pull1D
Entries 52
Mean 0.0009534
Std Dev 1.003


reg_asym_usr_rms vs run
χ² / ndf 209.6 / 51
p0 1093 ± 1.044
1160
1140
1120
1100
1080
1060
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5750. 1
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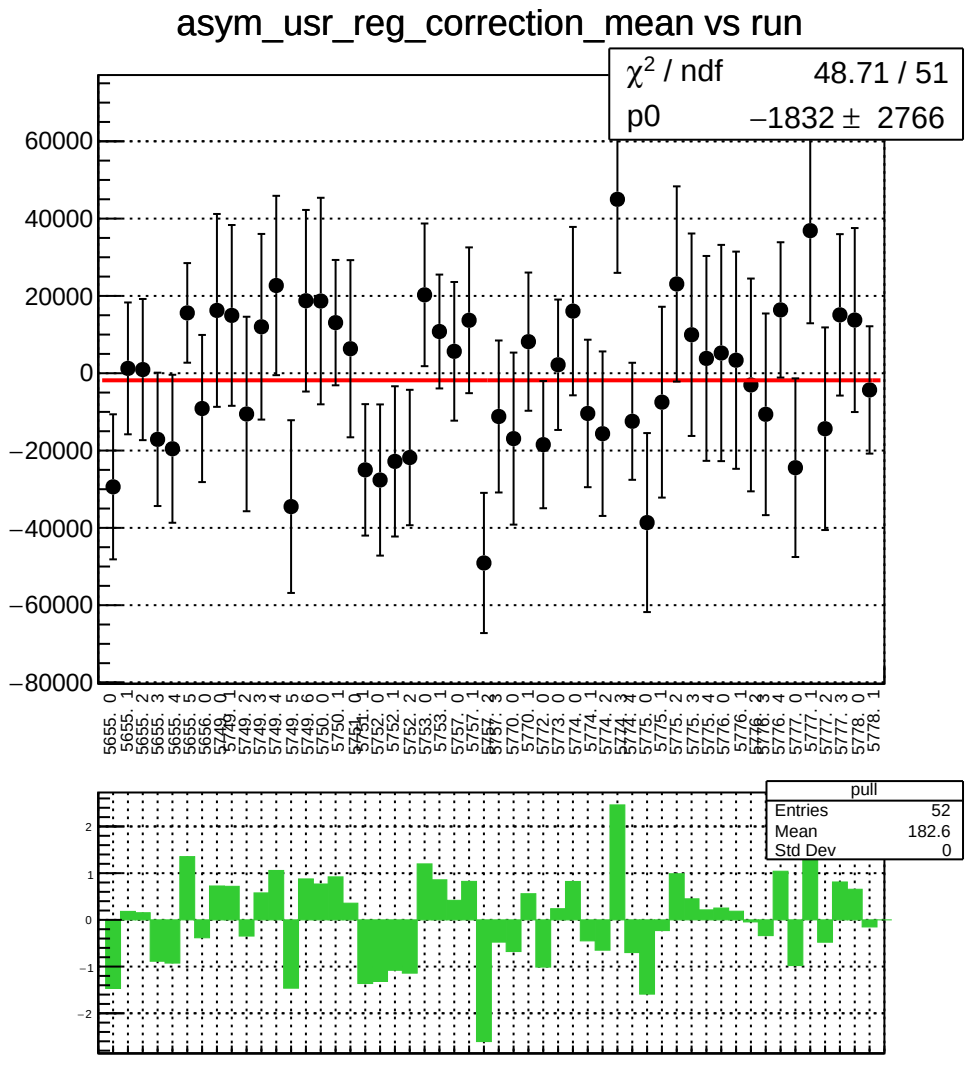
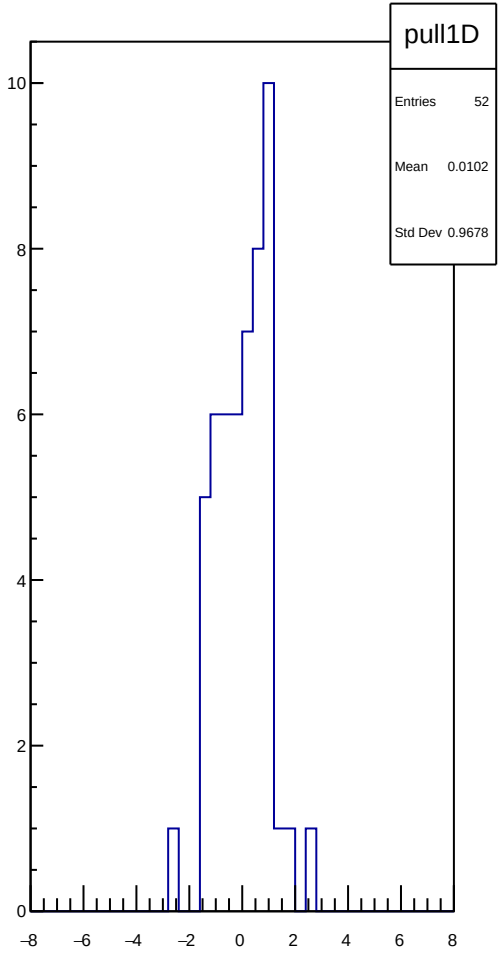
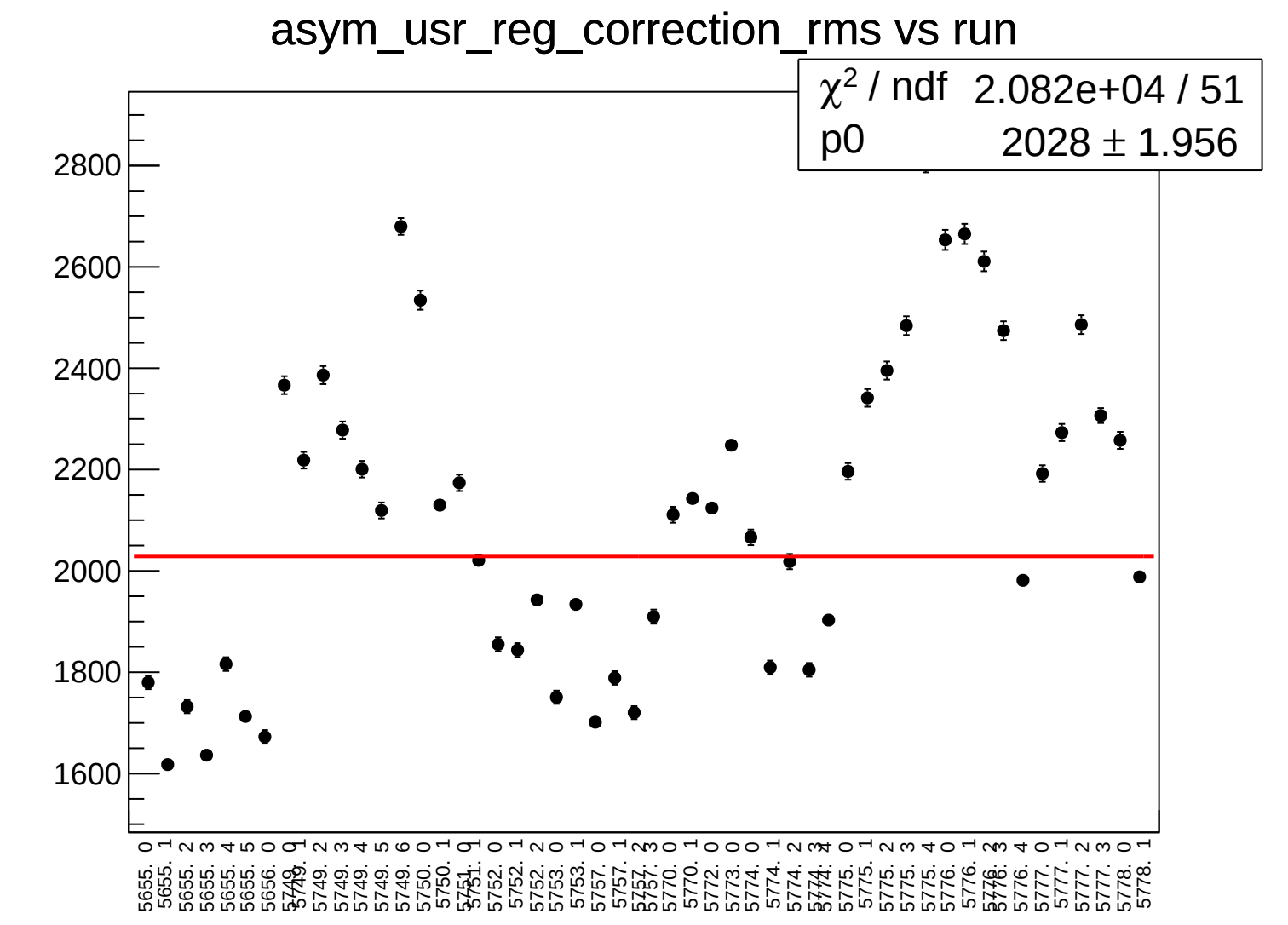
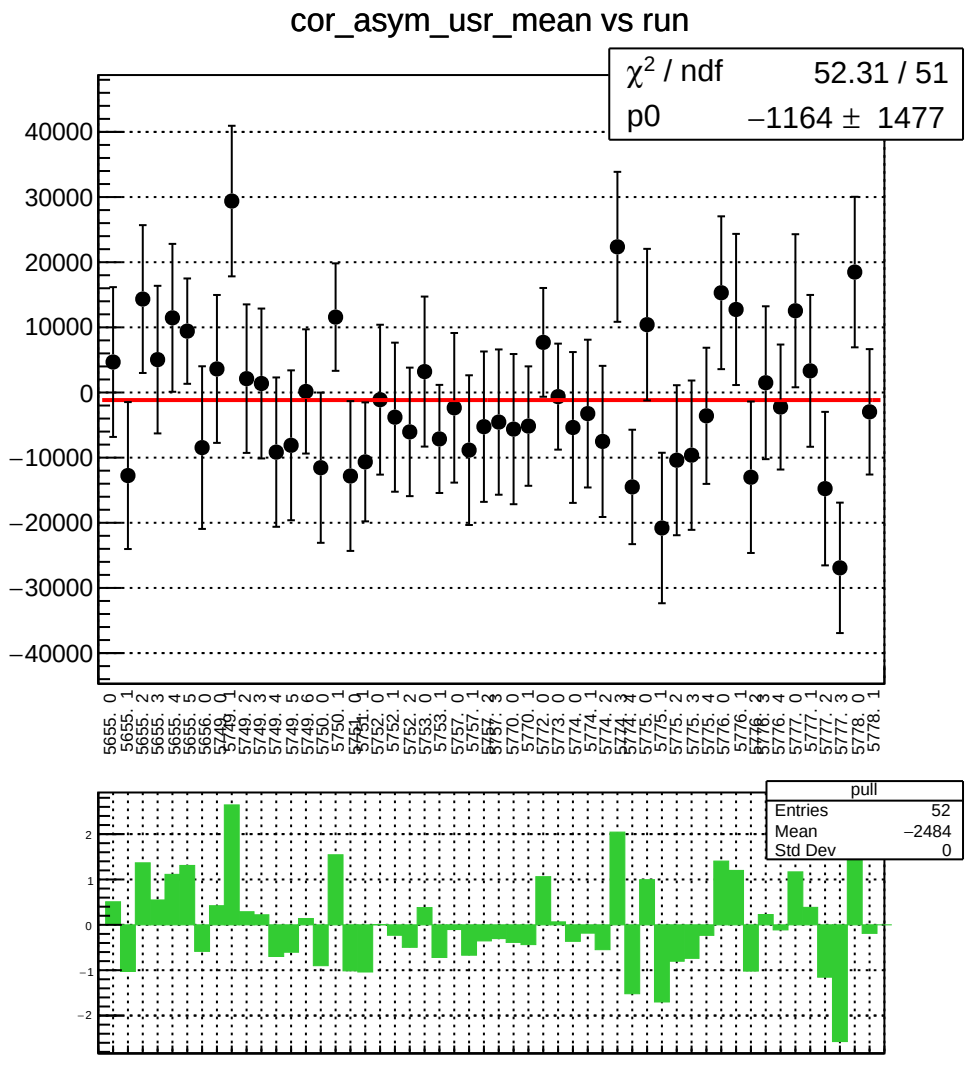
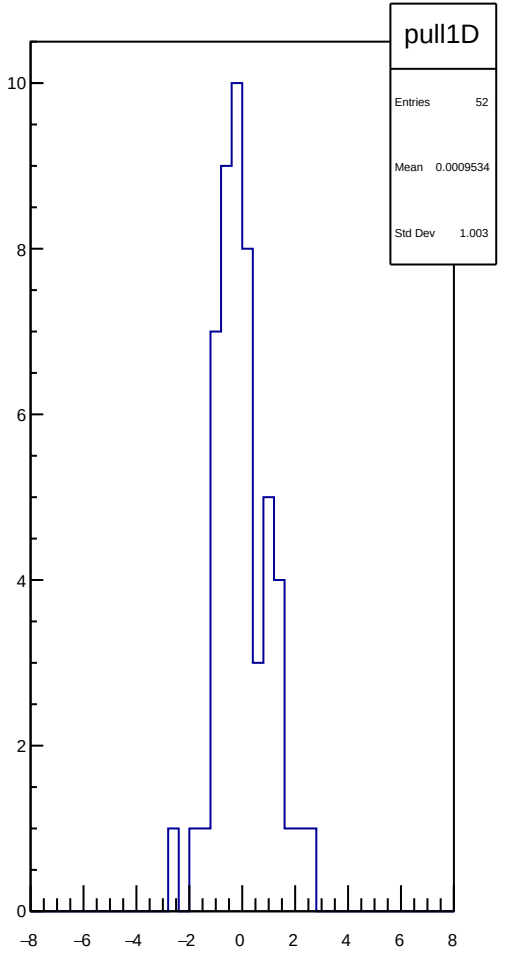
5778. 1

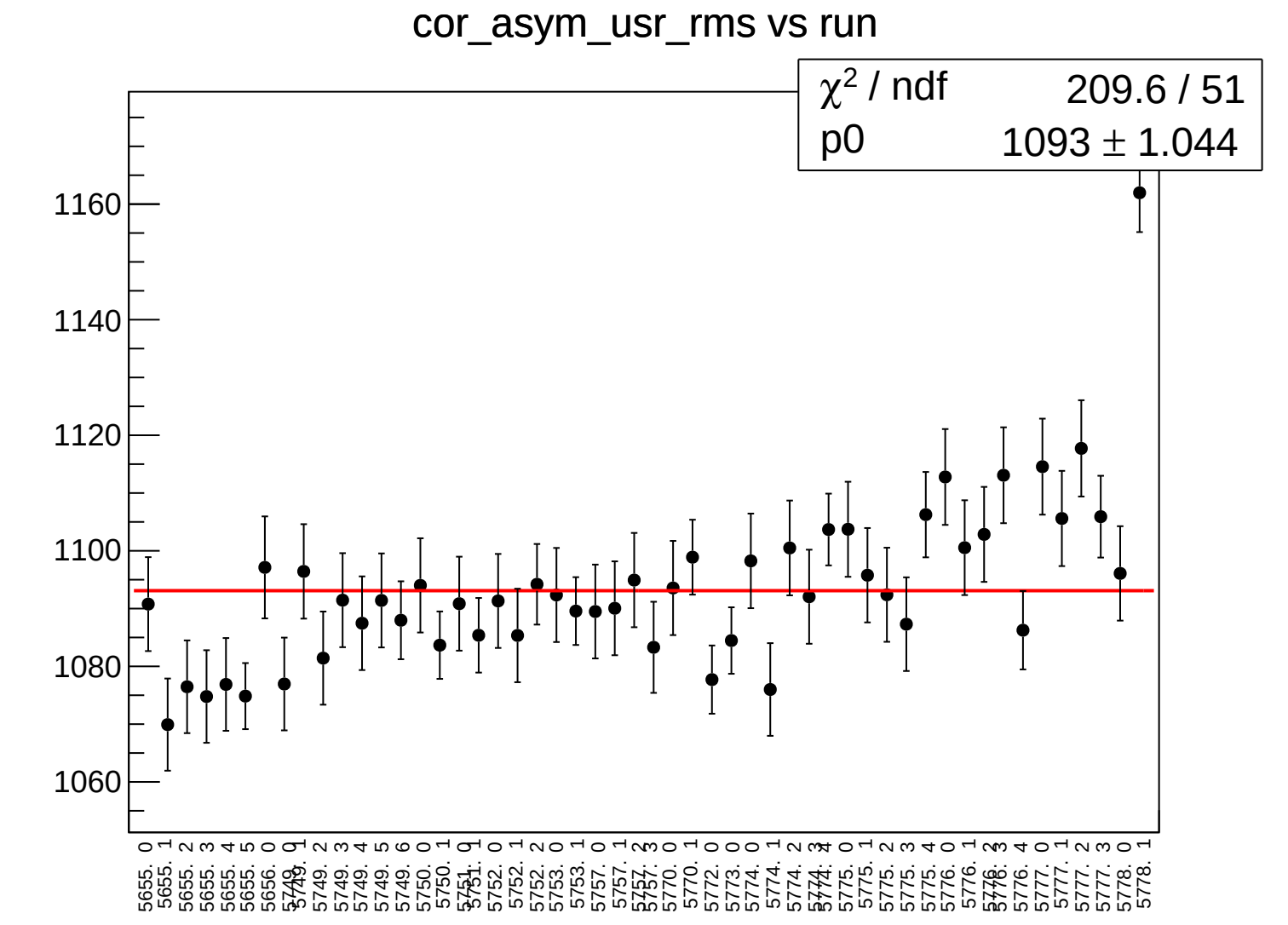

asym_usr_reg_correction_mean vs run
χ² / ndf 48.71 / 51
p0 −1832 ± 2766
pull
Entries 52
Mean 182.6
Std Dev 0


pull1D
Entries 52
Mean 0.0102
Std Dev 0.9678


asym_usr_reg_correction_rms vs run
χ^2 / ndf 2.082e+04 / 51
p0 2028 ± 1.956
2800
2600
2400
2200
2000
1800
1600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_usr_mean vs run
χ² / ndf 52.31 / 51
p0 −1164 ± 1477
pull
Entries 52
Mean −2484
Std Dev 0


pull1D
Entries 52
Mean 0.0009534
Std Dev 1.003


cor_asym_usr_rms vs run
χ² / ndf 209.6 / 51
p0 1093 ± 1.044
1160
1140
1120
1100
1080
1060
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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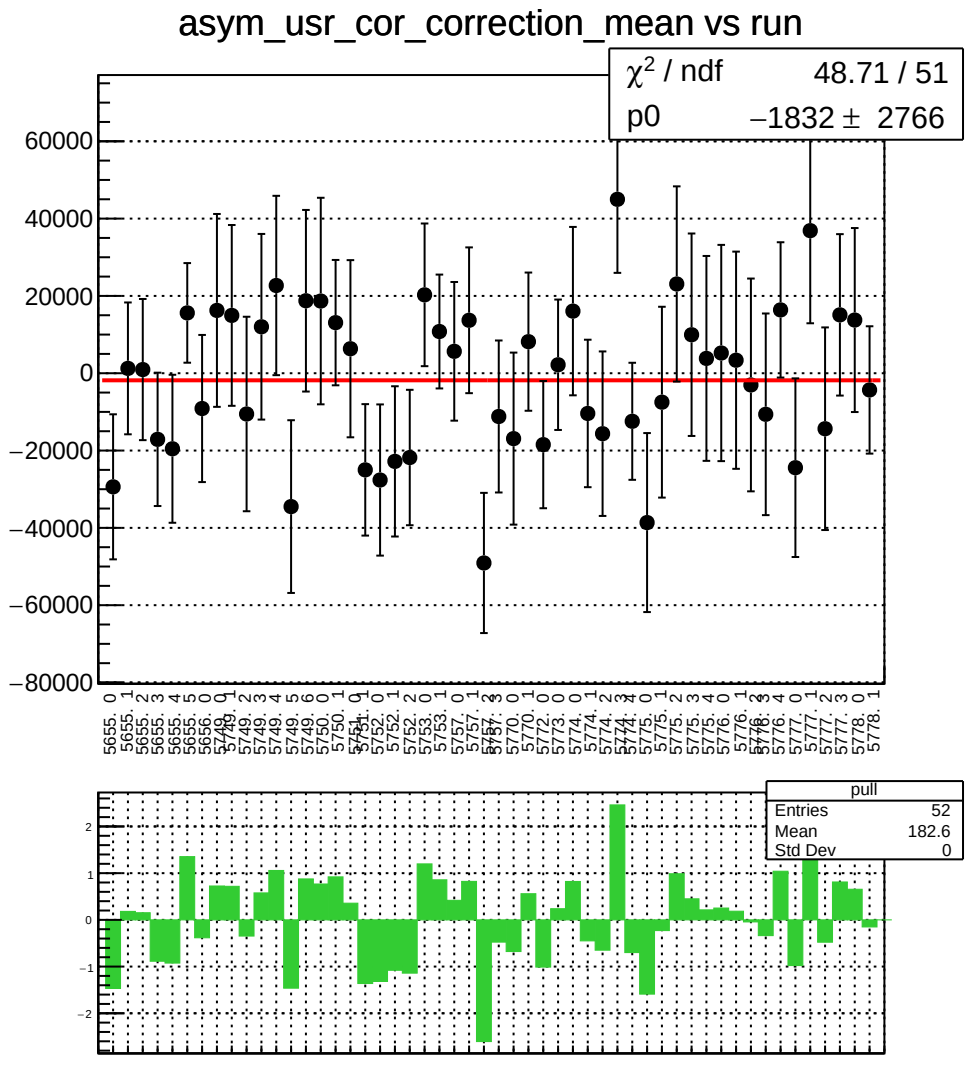
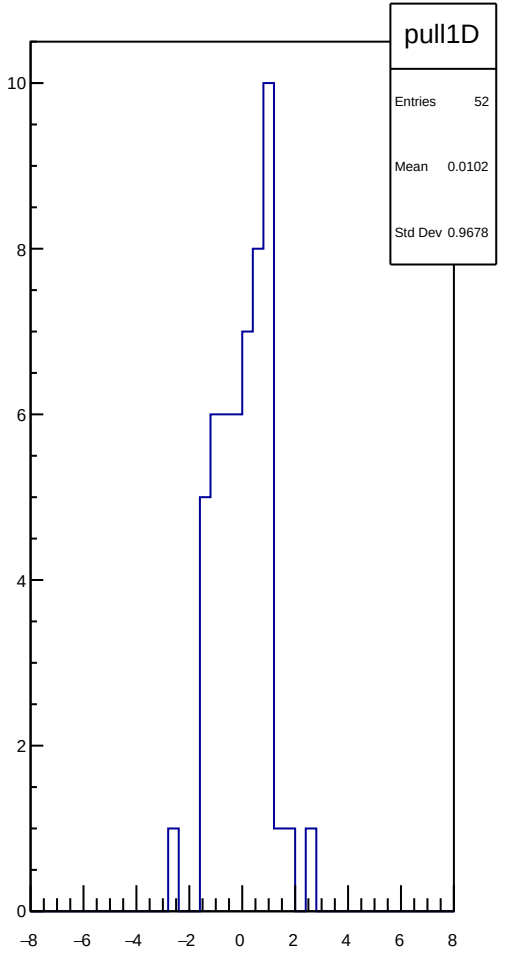
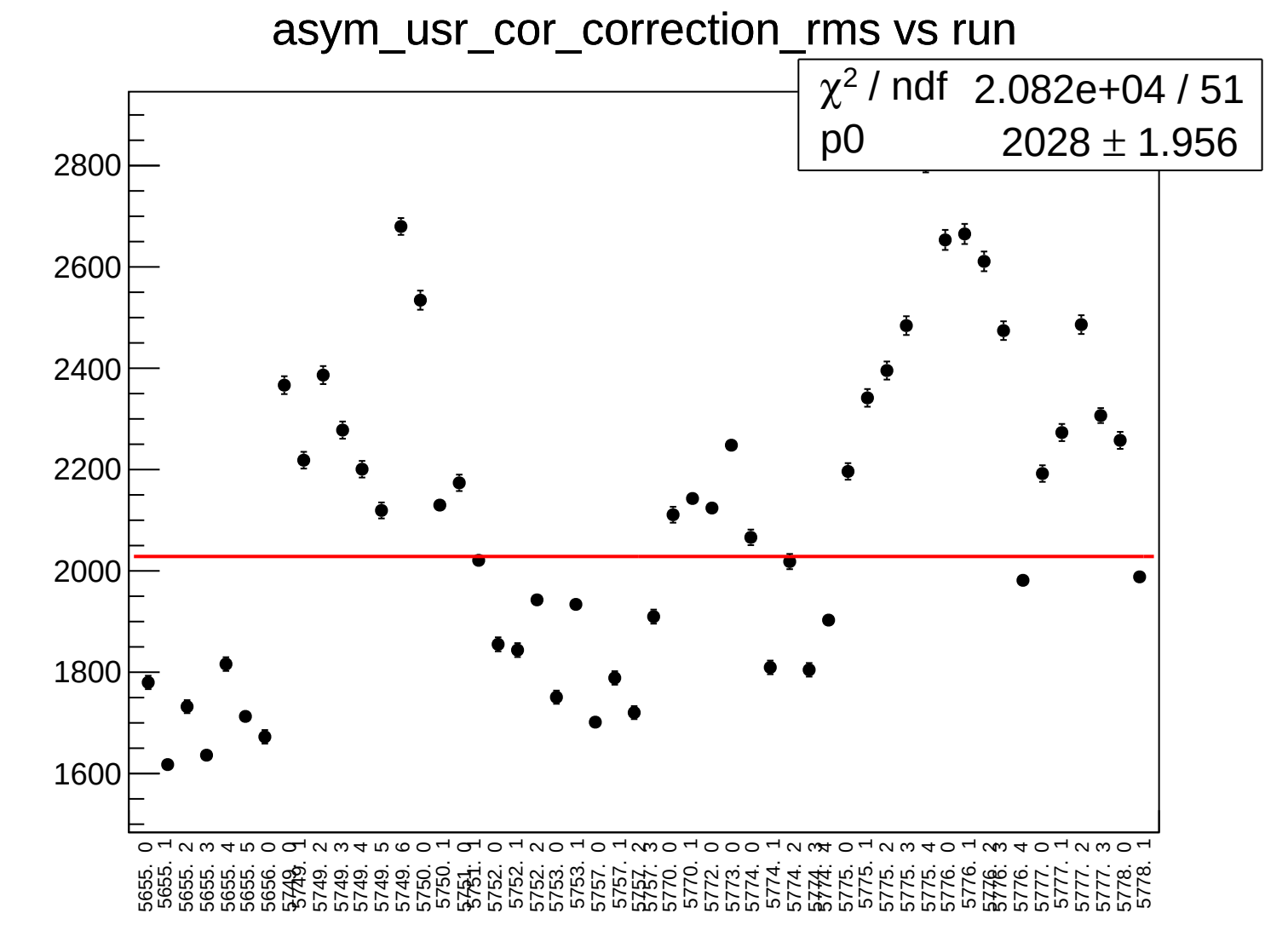
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usr_cor_correction_mean vs run
χ² / ndf 48.71 / 51
p0 −1832 ± 2766
pull
Entries 52
Mean 182.6
Std Dev 0


pull1D
Entries 52
Mean 0.0102
Std Dev 0.9678


asym_usr_cor_correction_rms vs run
χ² / ndf 2.082e+04 / 51
p0 2028 ± 1.956
2800
2600
2400
2200
2000
1800
1600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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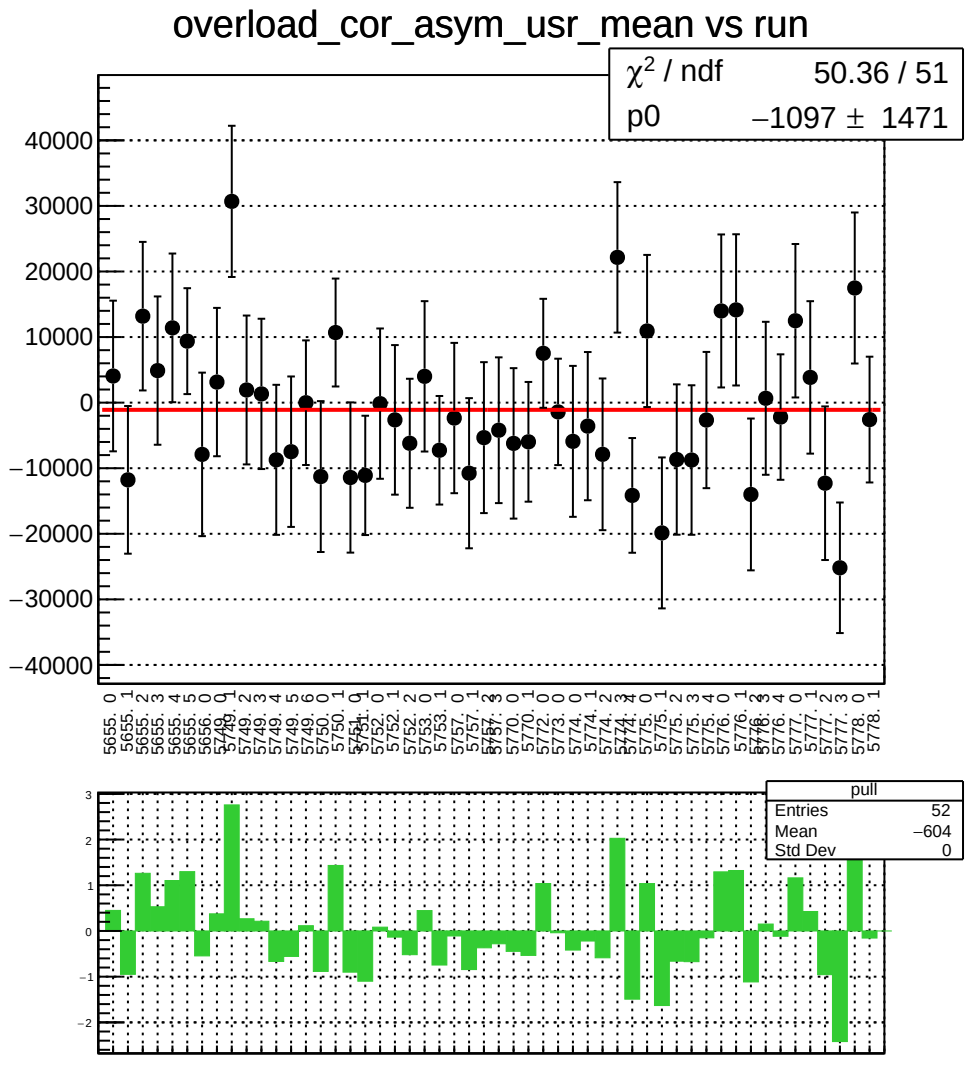
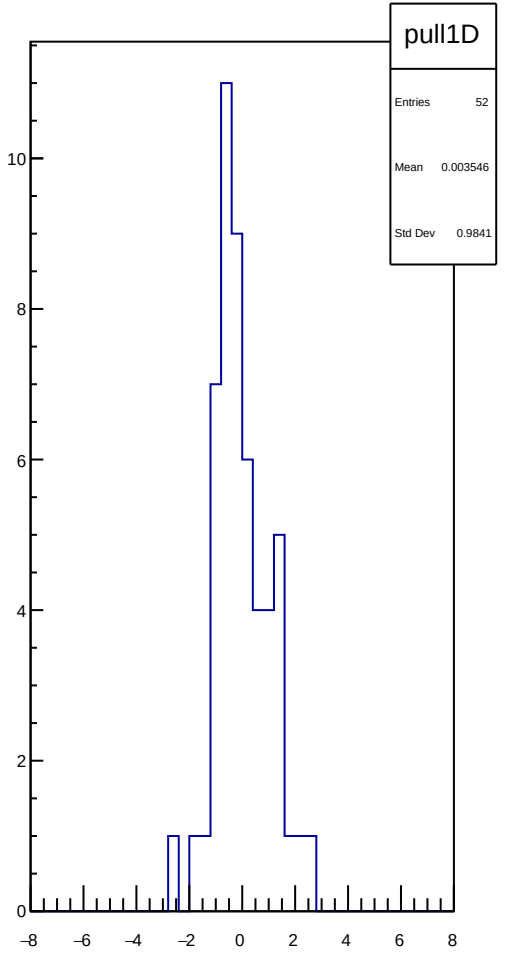
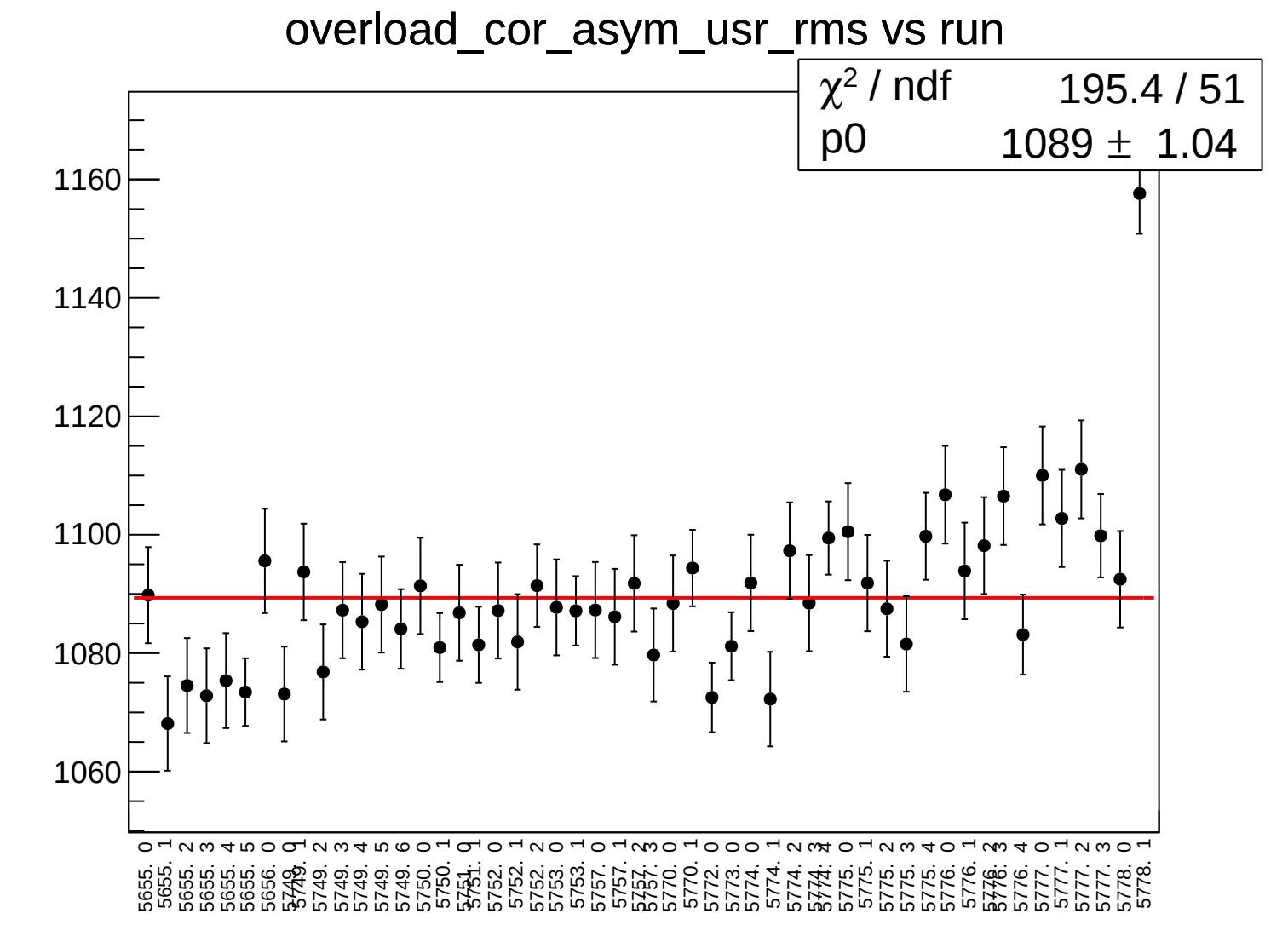
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


overload_cor_asym_usr_mean vs run
χ² / ndf 50.36 / 51
p0 −1097 ± 1471
pull
Entries 52
Mean −604
Std Dev 0


pull1D
Entries 52
Mean 0.003546
Std Dev 0.9841


overload_cor_asym_usr_rms vs run
χ² / ndf 195.4 / 51
p0 1089 ± 1.04
1160
1140
1120
1100
1080
1060
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5749. 6
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5750. 1
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5752. 0
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5753. 0
5753. 1
5757. 0
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5774. 1
5774. 2
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5774. 4
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5775. 4
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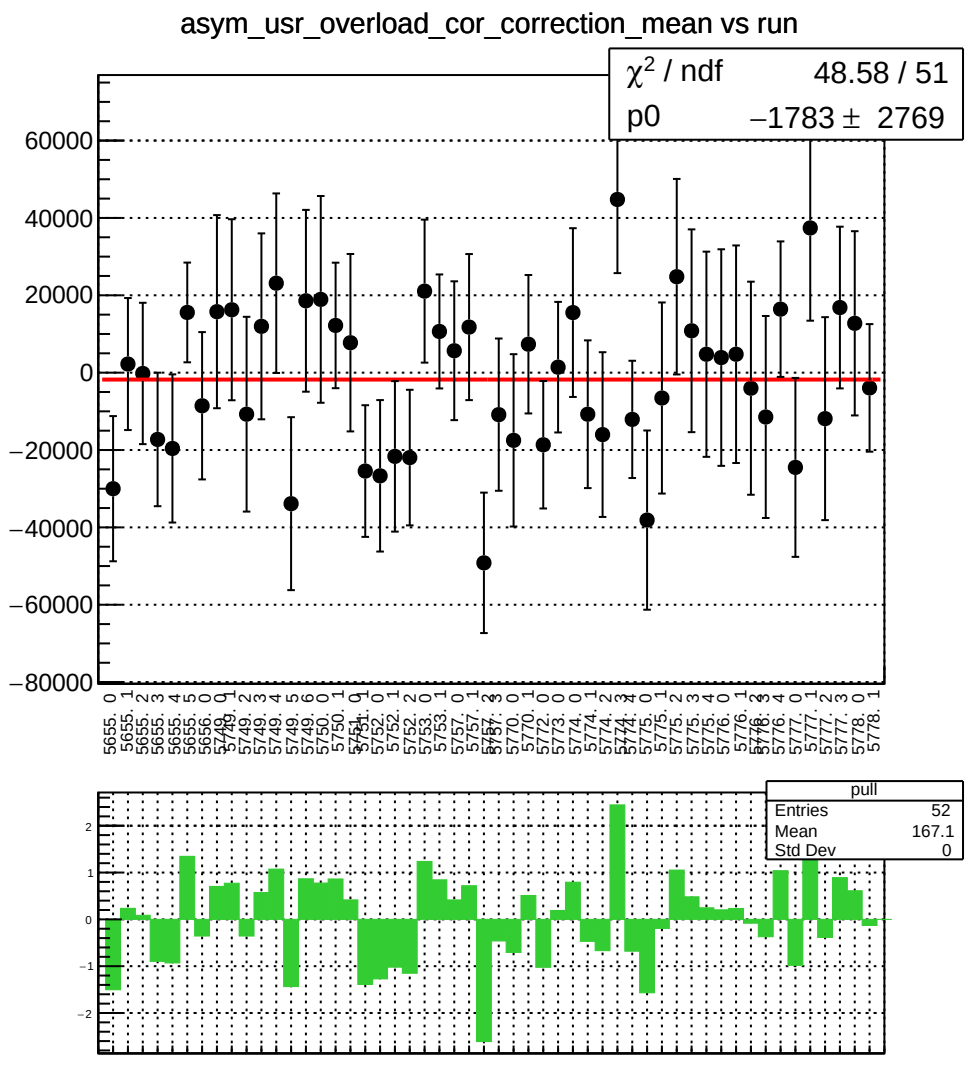
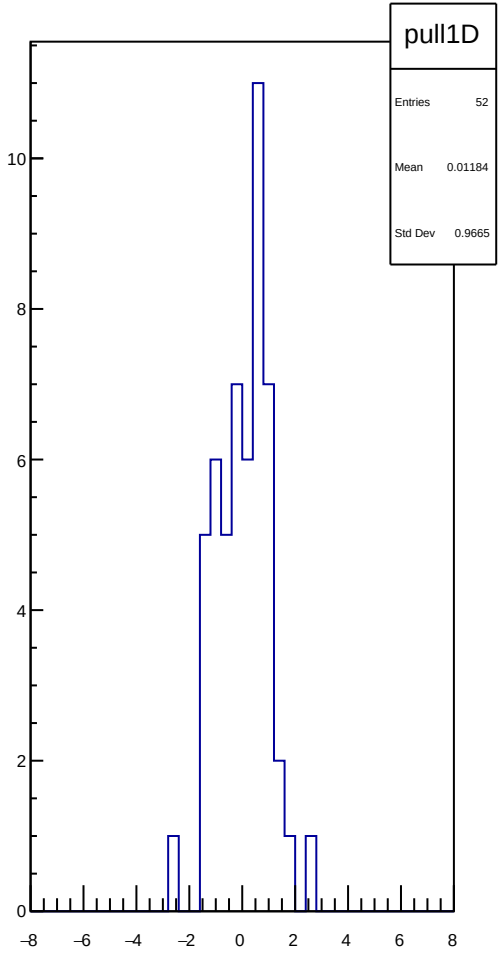
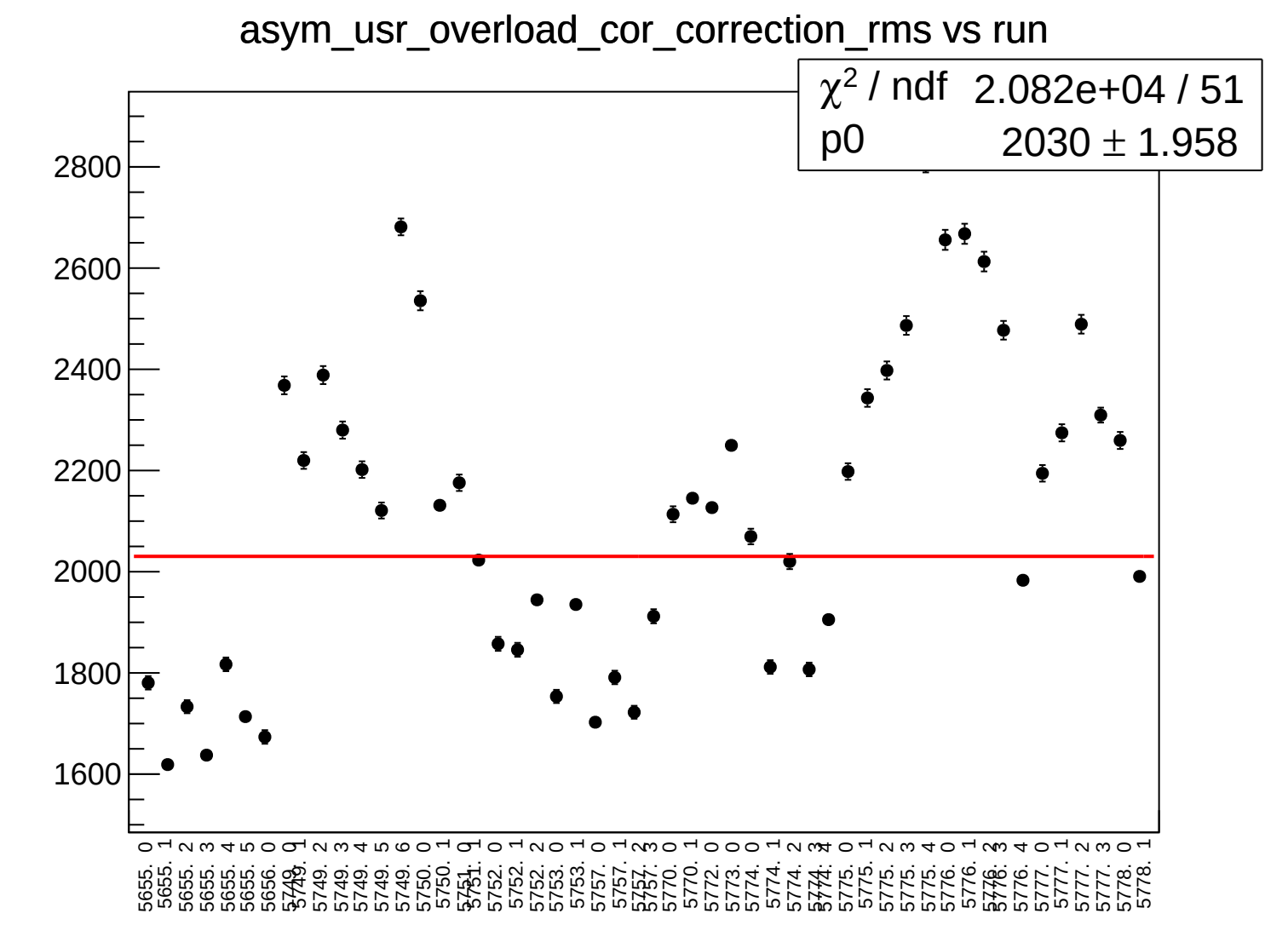
5778. 0
5778. 1


asym_usr_overload_cor_correction_mean vs run
χ² / ndf 48.58 / 51
p0 −1783 ± 2769
pull
Entries 52
Mean 167.1
Std Dev 0


pull1D
Entries 52
Mean 0.01184
Std Dev 0.9665


asym_usr_overload_cor_correction_rms vs run
χ² / ndf 2.082e+04 / 51
p0 2030 ± 1.958
2800
2600
2400
2200
2000
1800
1600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5753. 1
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5757. 3
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5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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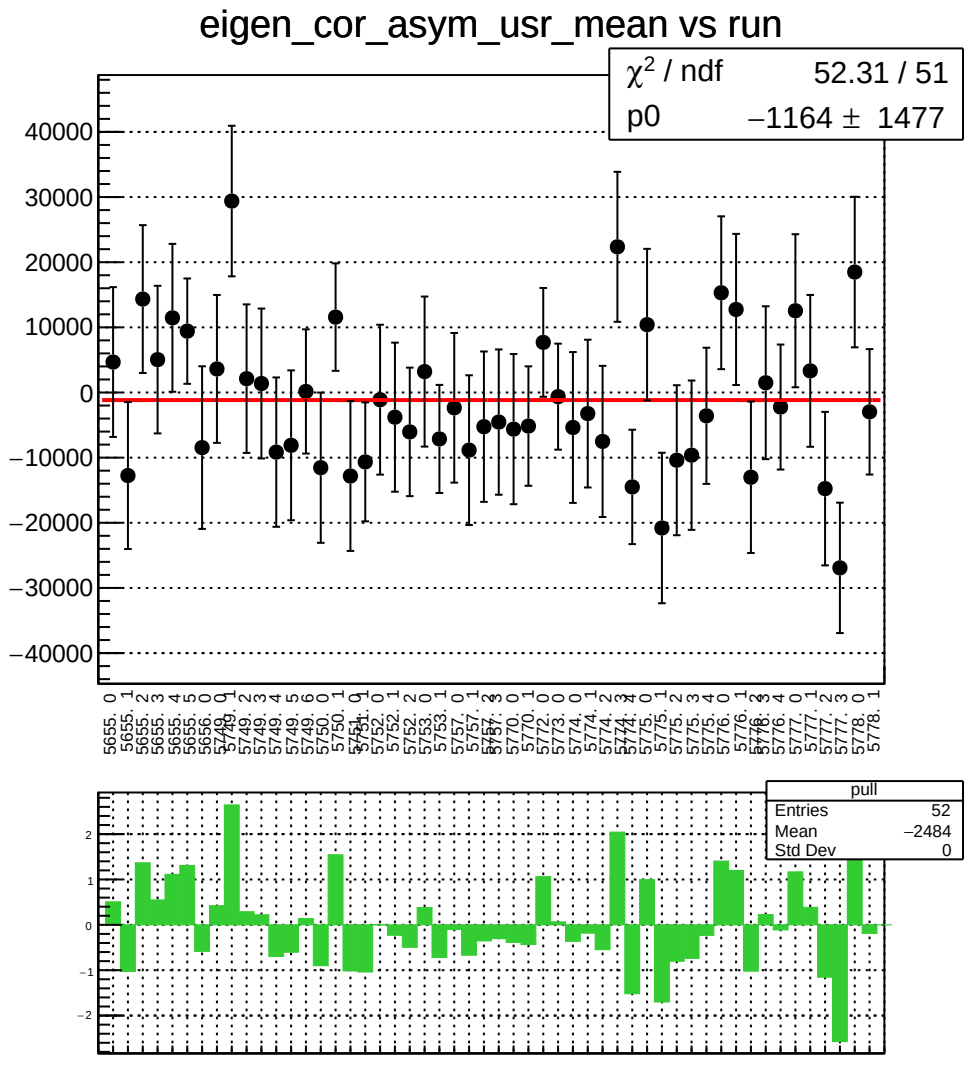
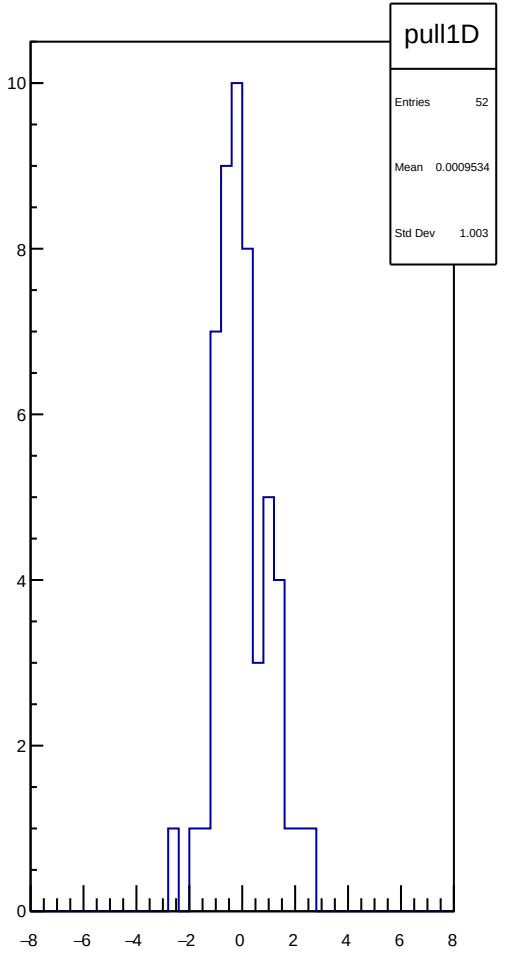
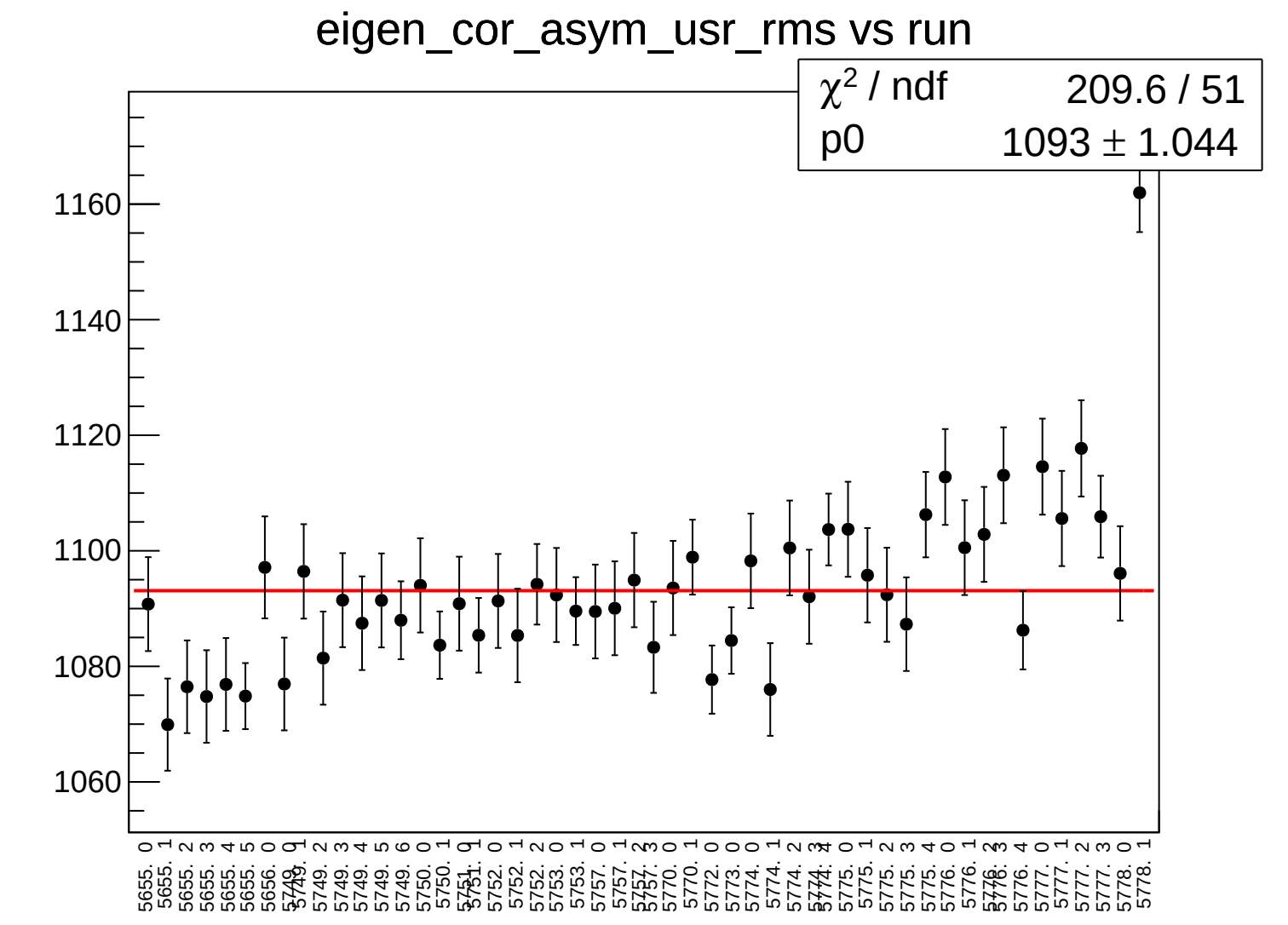
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_usr_mean vs run
χ² / ndf 52.31 / 51
p0 −1164 ± 1477
pull
Entries 52
Mean −2484
Std Dev 0


pull1D
Entries 52
Mean 0.0009534
Std Dev 1.003


eigen_cor_asym_usr_rms vs run
χ² / ndf 209.6 / 51
p0 1093 ± 1.044
1160
1140
1120
1100
1080
1060
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5753. 1
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5757. 1
5757. 2
5757. 3
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5770. 1
5772. 0
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5774. 2
5774. 3
5774. 4
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5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
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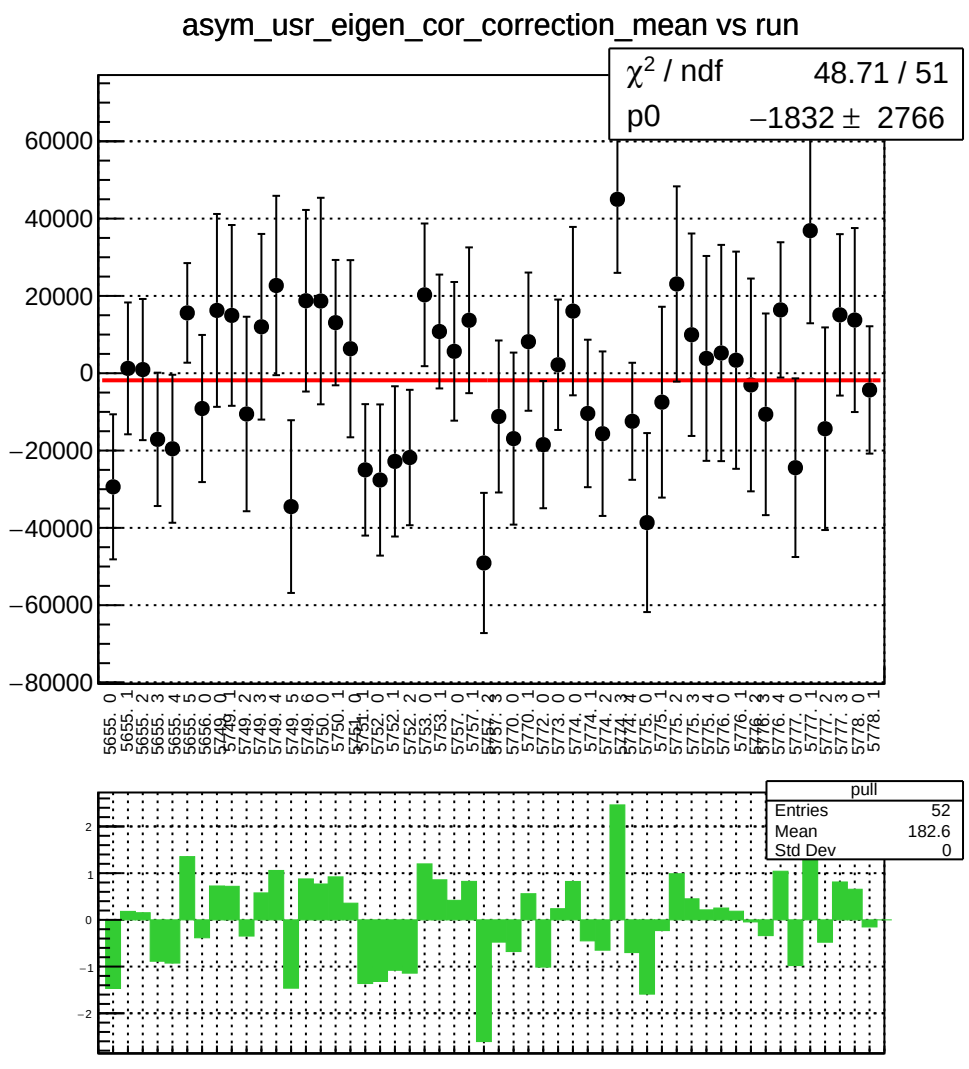
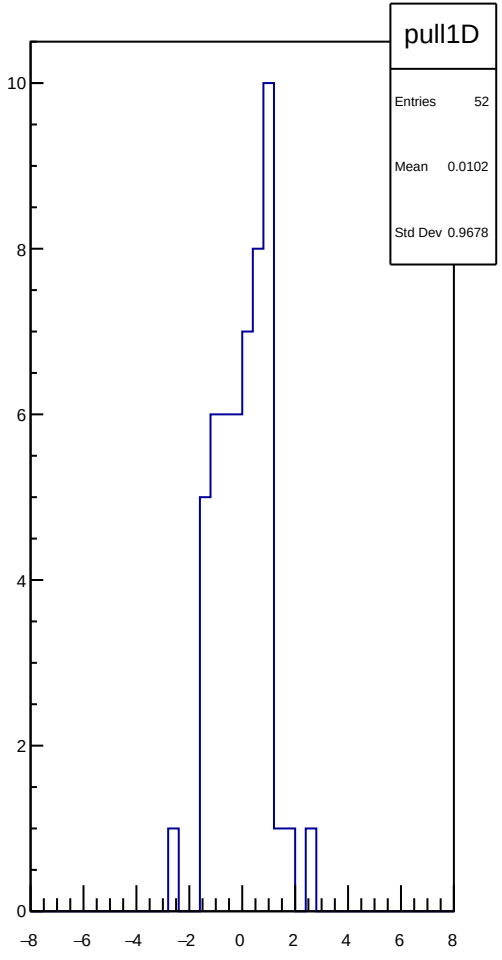
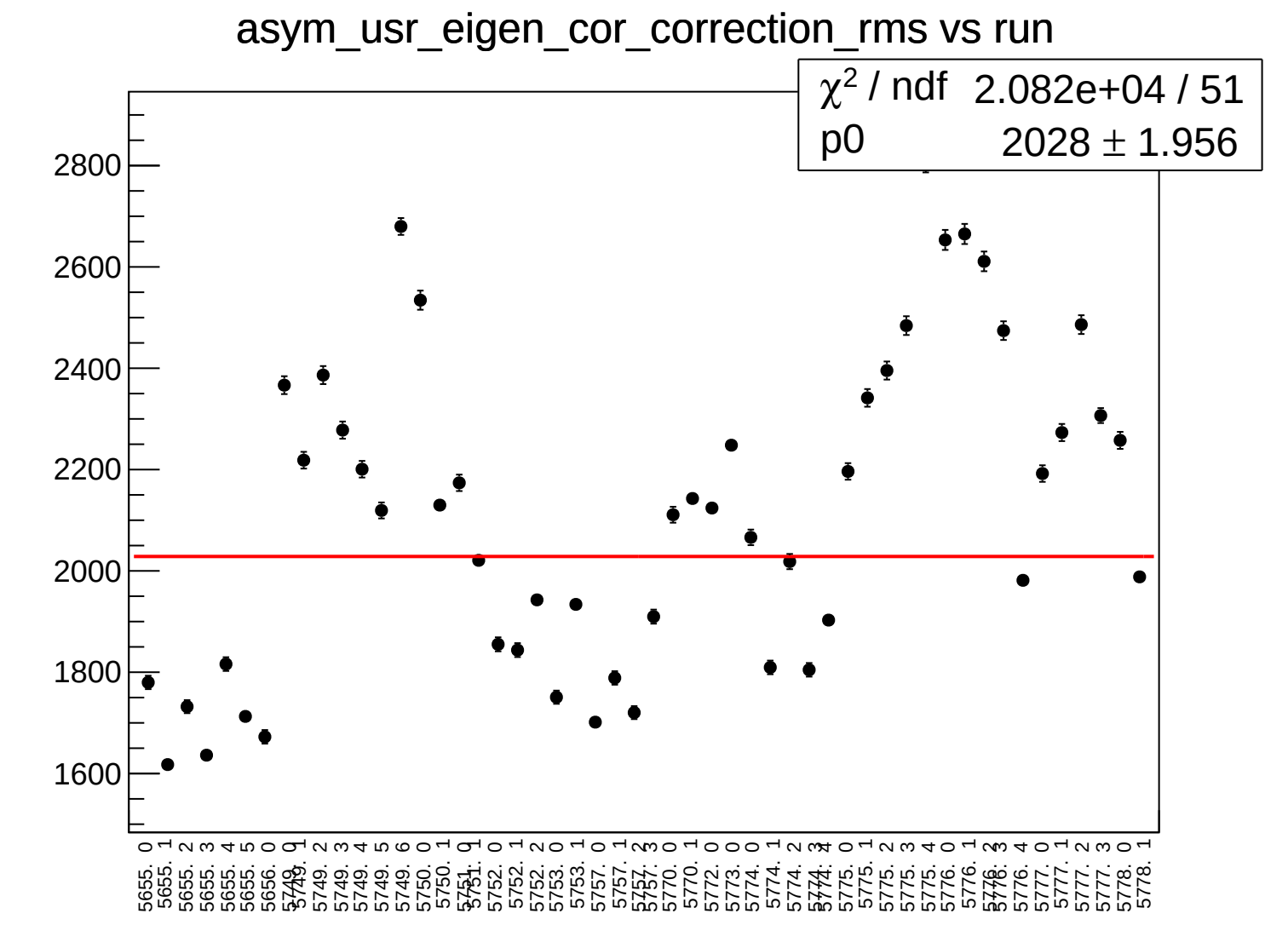
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usr_eigen_cor_correction_mean vs run
χ² / ndf 48.71 / 51
p0 −1832 ± 2766
pull
Entries 52
Mean 182.6
Std Dev 0


pull1D
Entries 52
Mean 0.0102
Std Dev 0.9678


asym_usr_eigen_cor_correction_rms vs run
χ² / ndf 2.082e+04 / 51
p0 2028 ± 1.956
2800
2600
2400
2200
2000
1800
1600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
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5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
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5773. 0
5774. 0
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5774. 2
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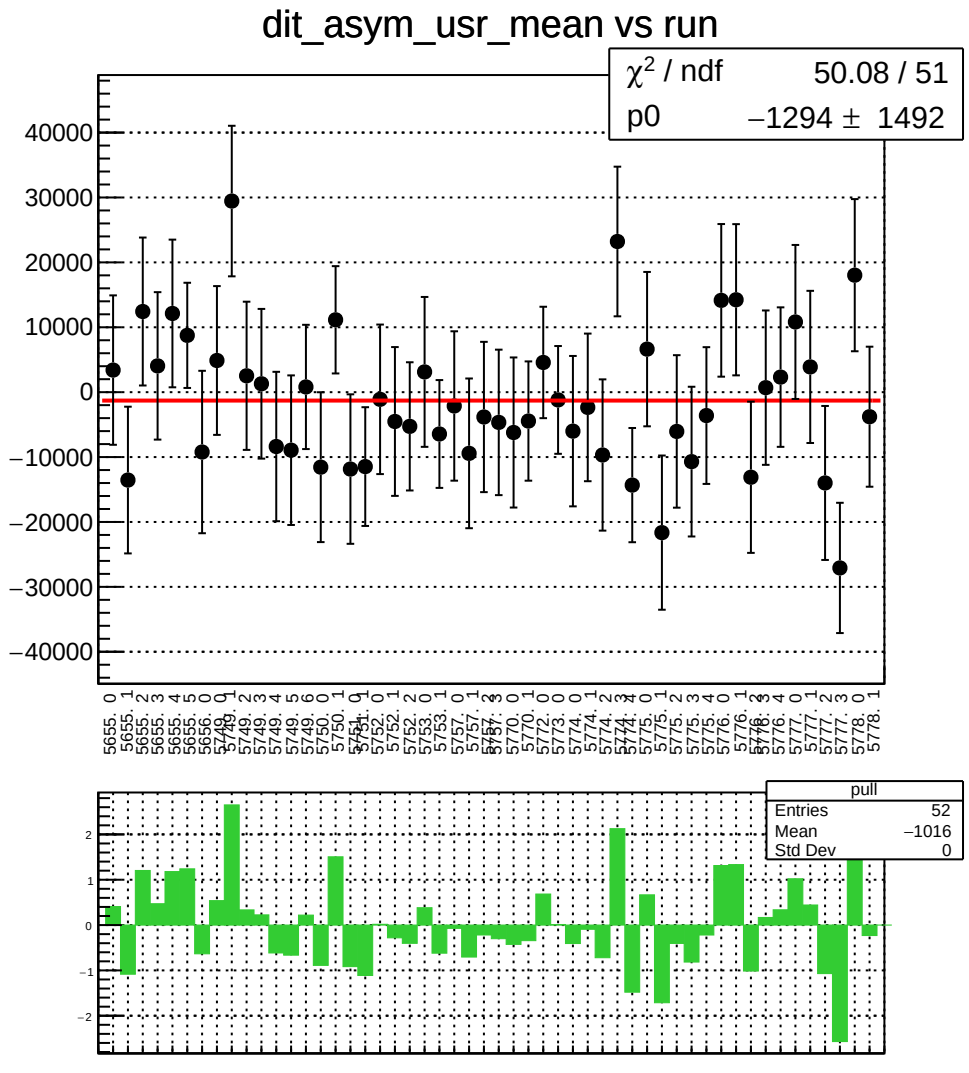
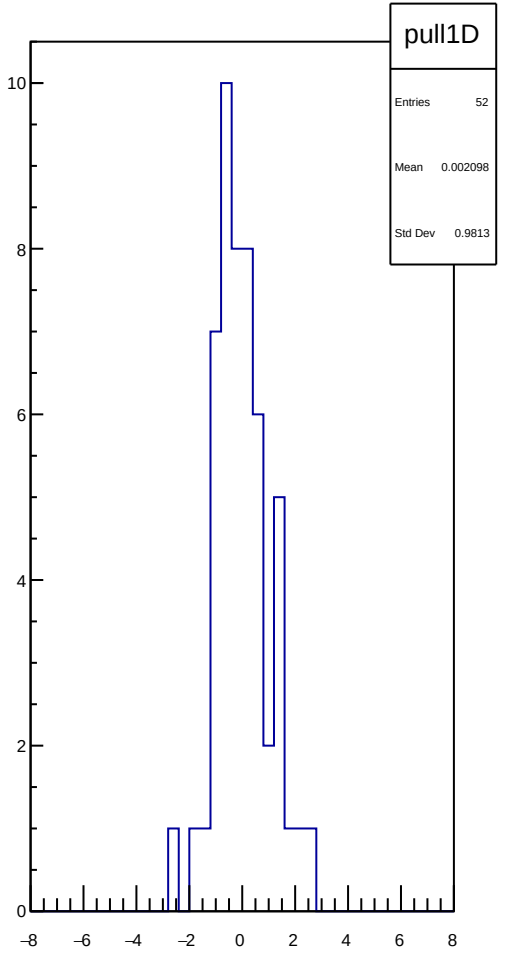
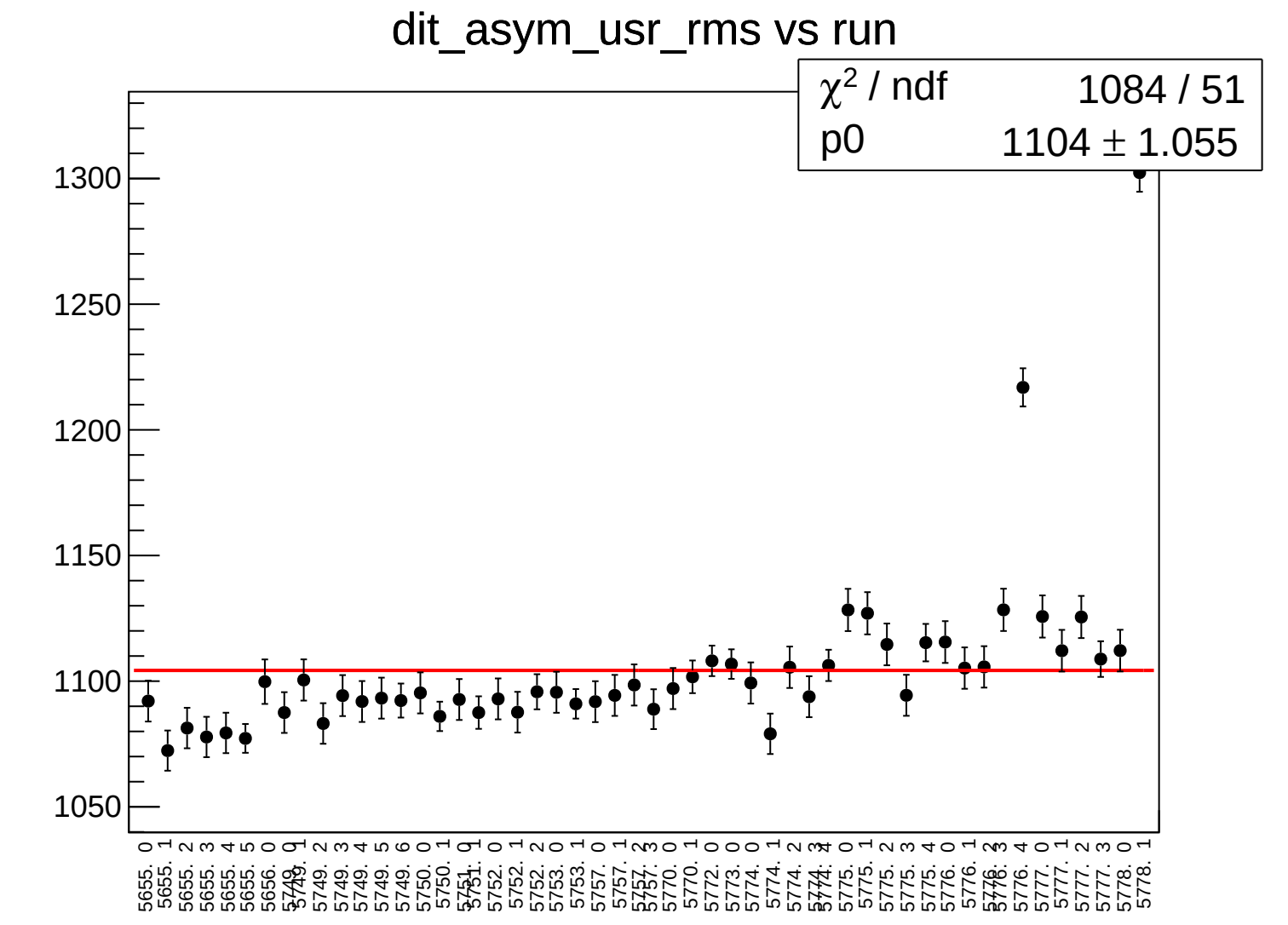
5778. 1


dit_asym_usr_mean vs run
χ² / ndf 50.08 / 51
p0 −1294 ± 1492
pull
Entries 52
Mean −1016
Std Dev 0


pull1D
Entries 52
Mean 0.002098
Std Dev 0.9813


dit_asym_usr_rms vs run
χ² / ndf 1084 / 51
p0 1104 ± 1.055
1300
1250
1200
1150
1100
1050
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
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5772. 0
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5775. 3
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5777. 2
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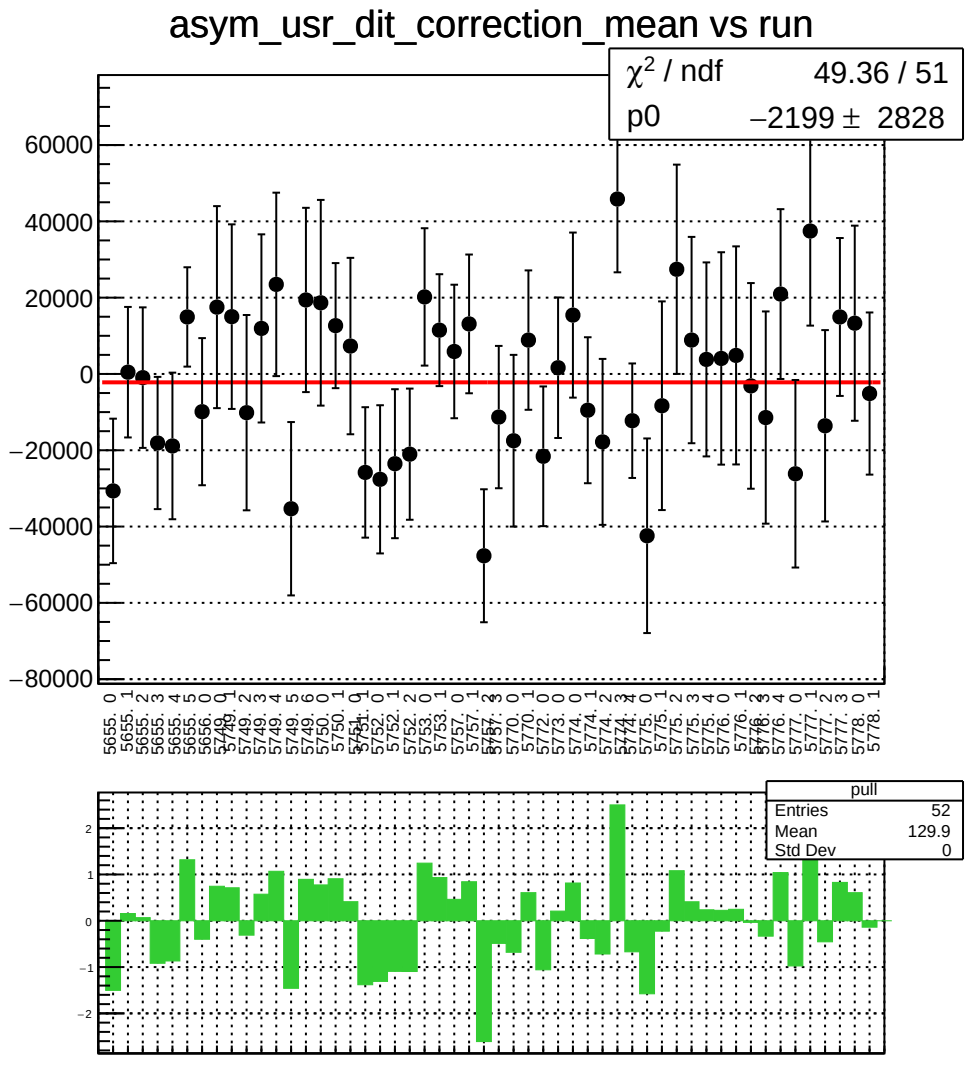
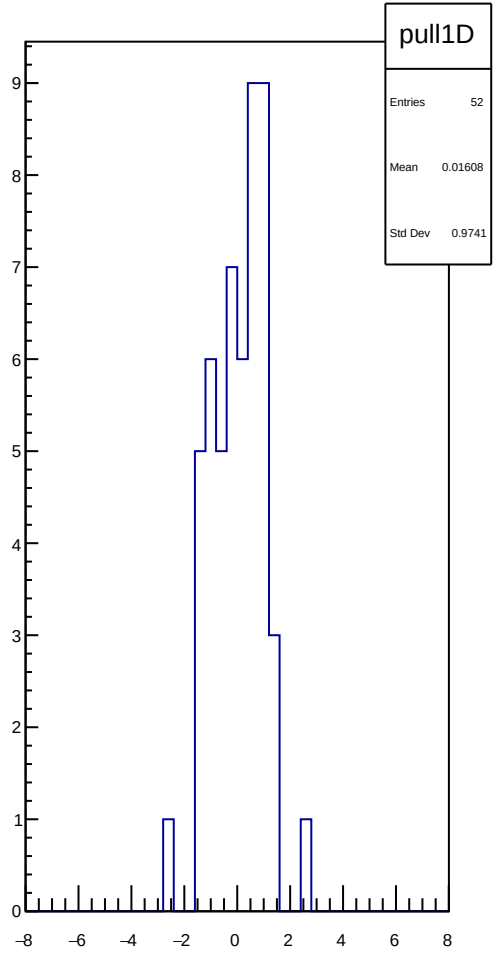
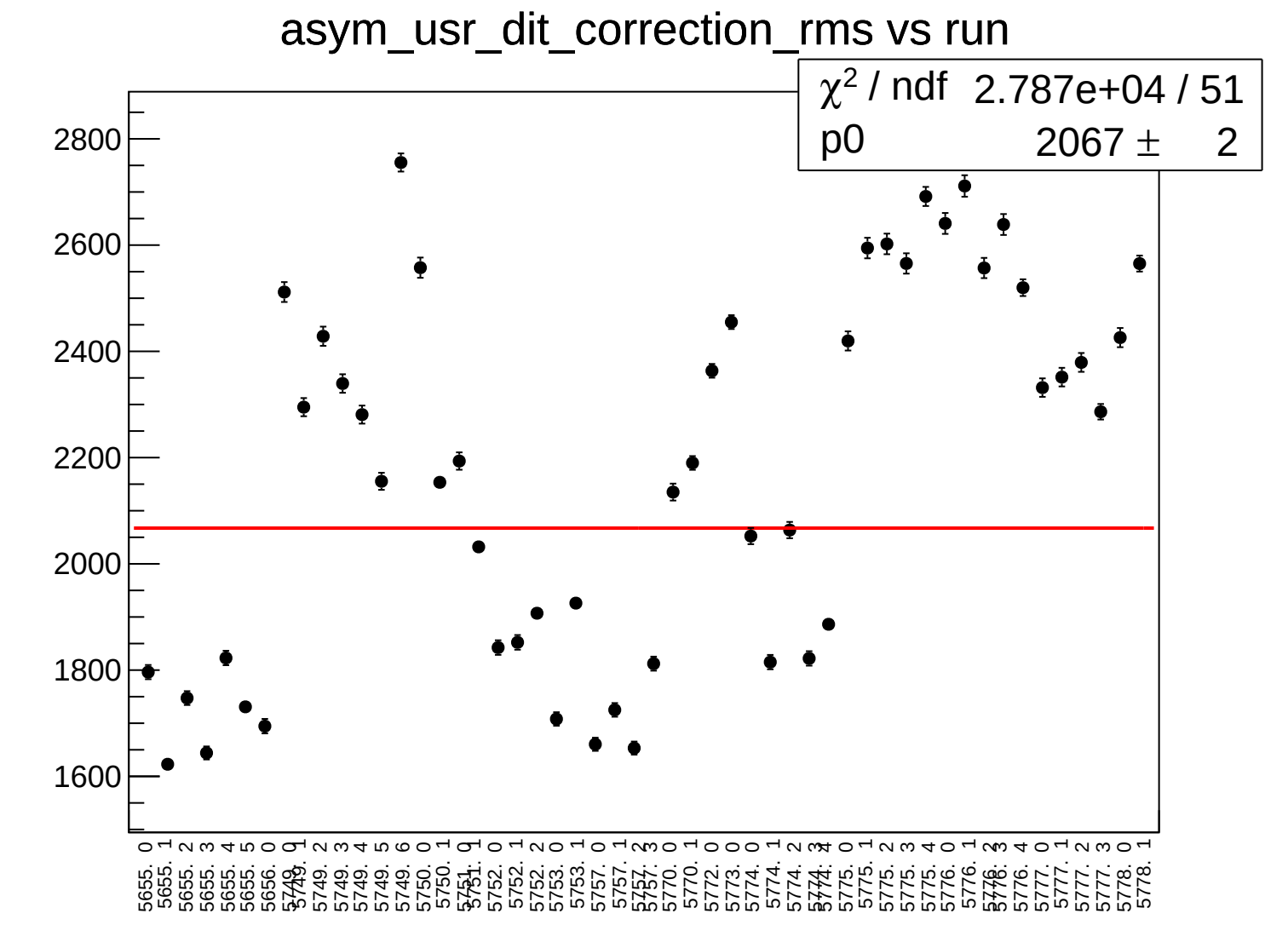

asym_usr_dit_correction_mean vs run
χ² / ndf 49.36 / 51
p0 −2199 ± 2828
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean 129.9
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01608
Std Dev 0.9741
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_dit_correction_rms vs run
χ² / ndf 2.787e+04 / 51
p0 2067 ± 2
2800
2600
2400
2200
2000
1800
1600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
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5752. 0
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5776. 0
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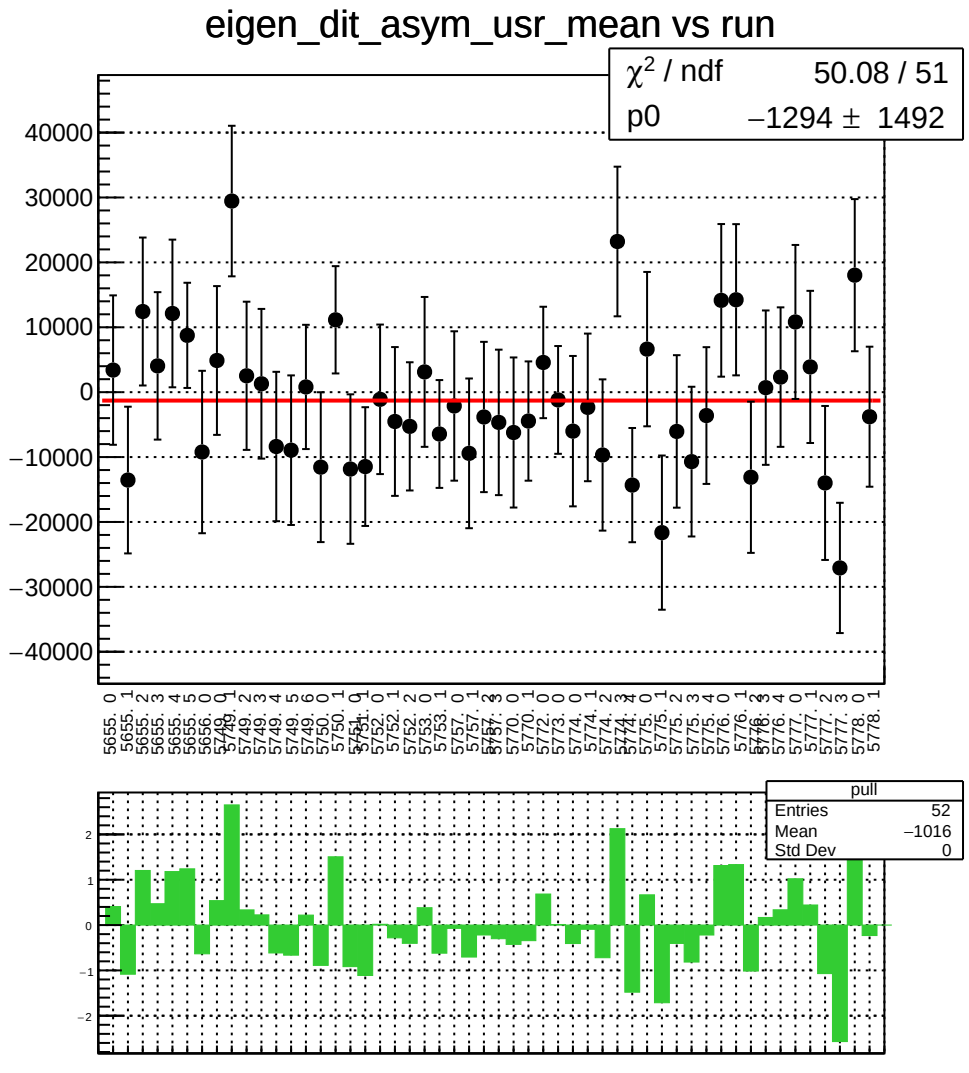
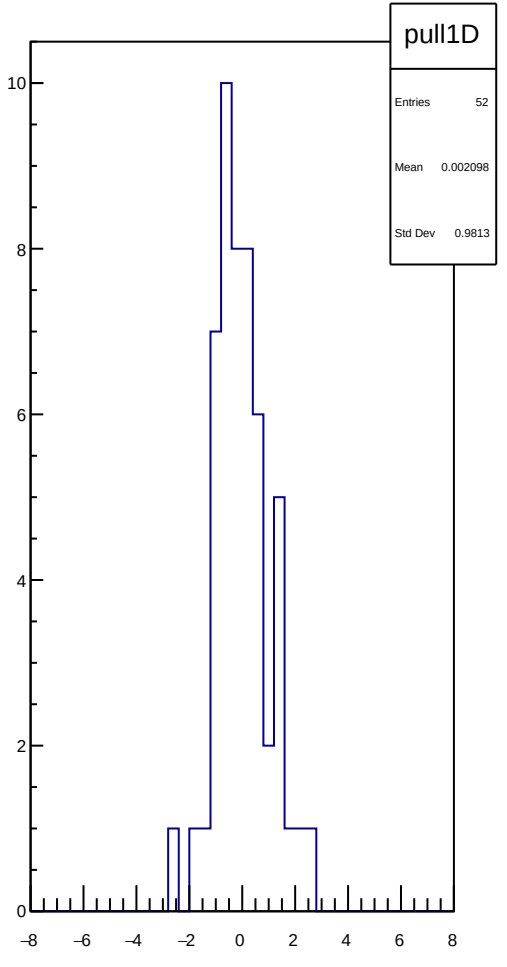
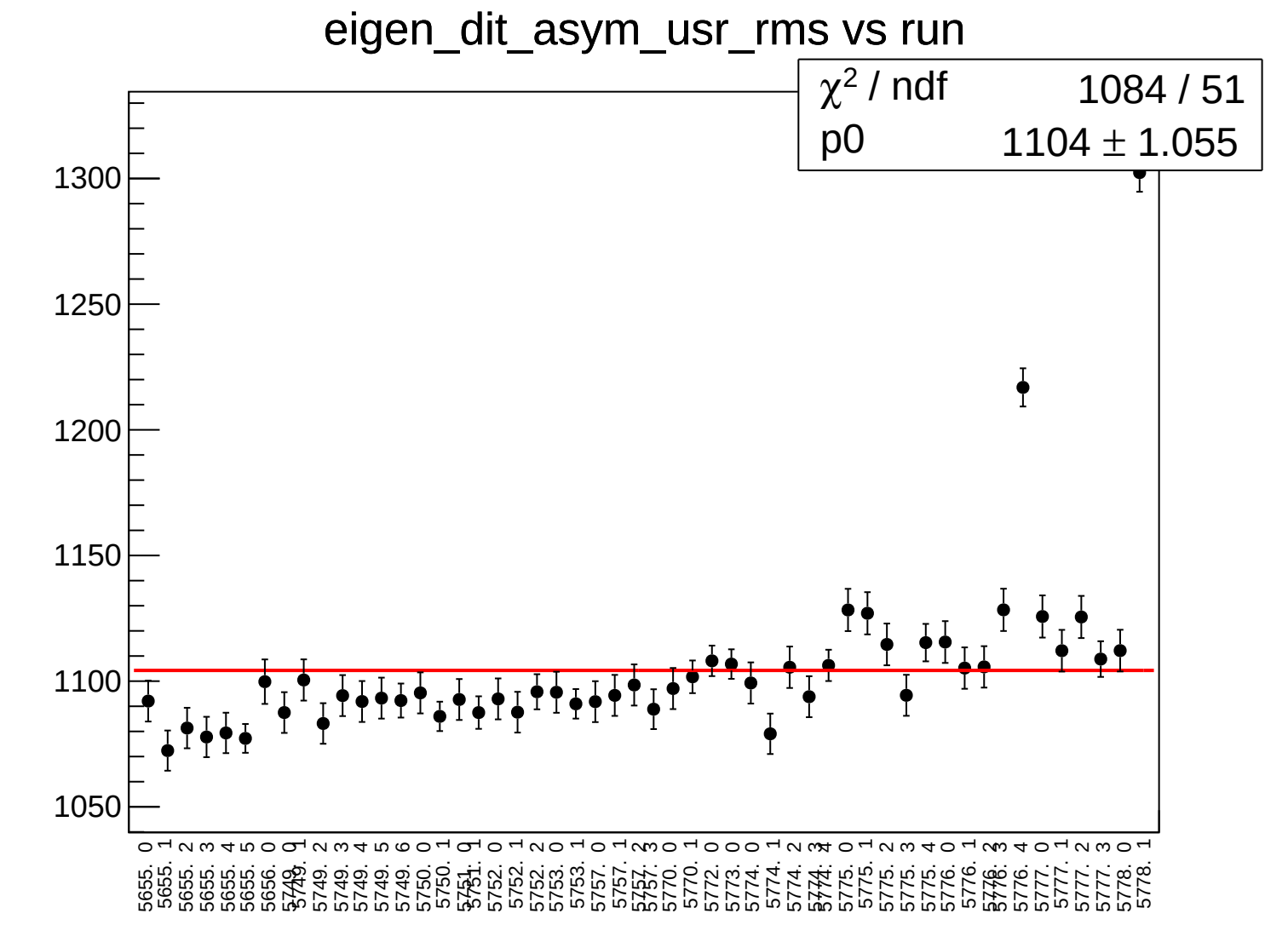
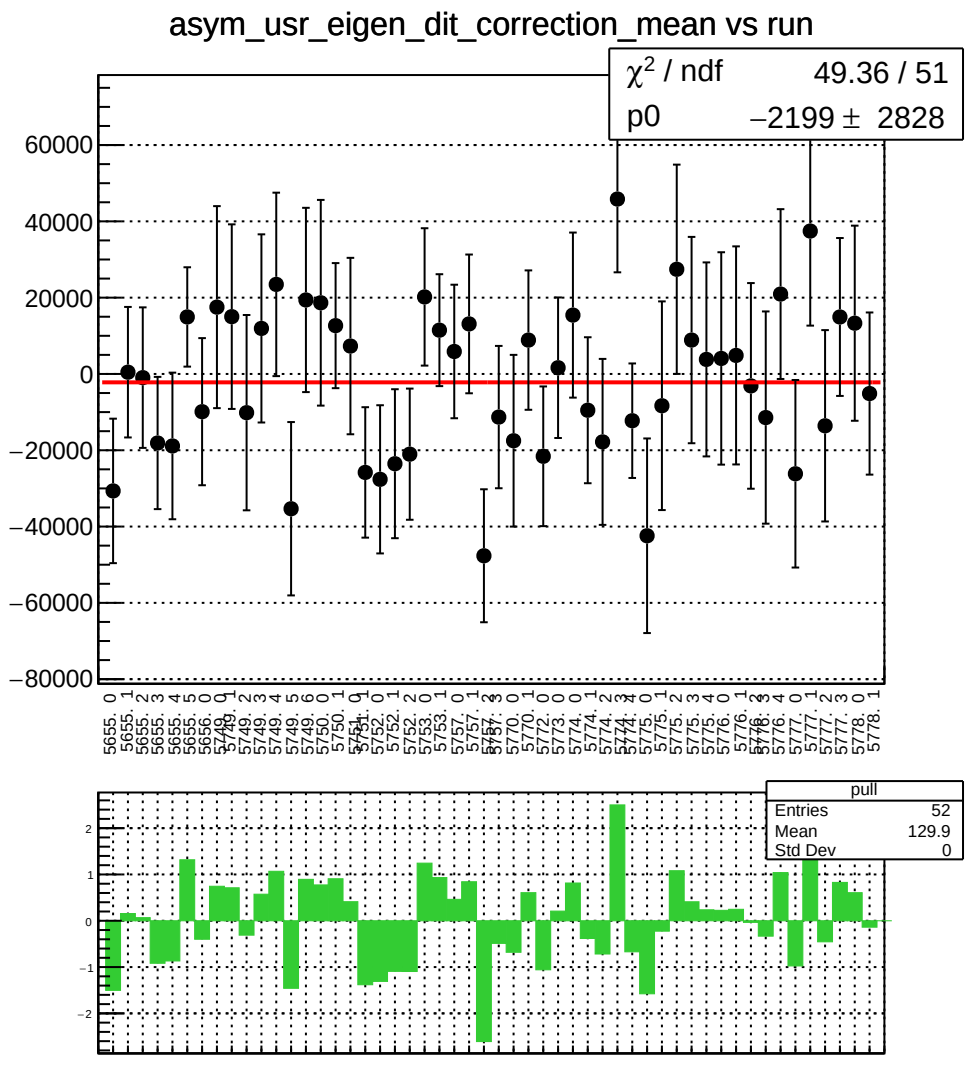
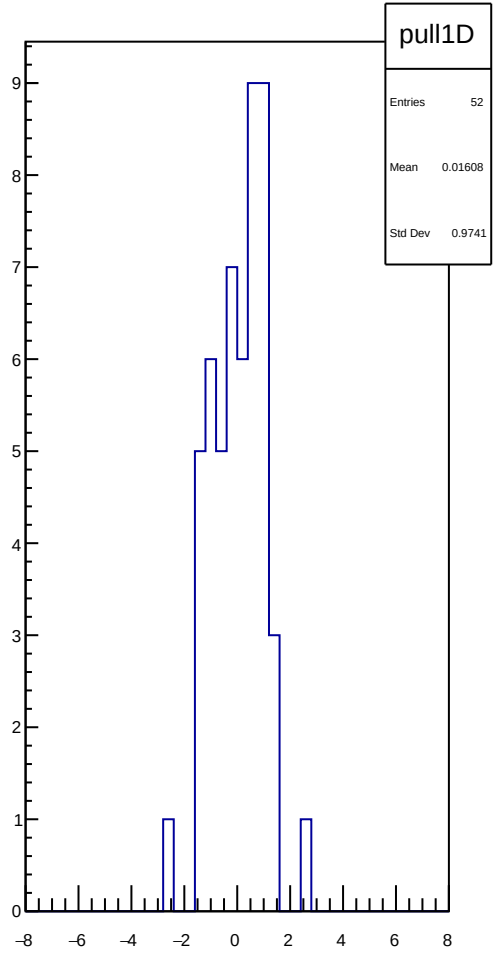
5778. 1

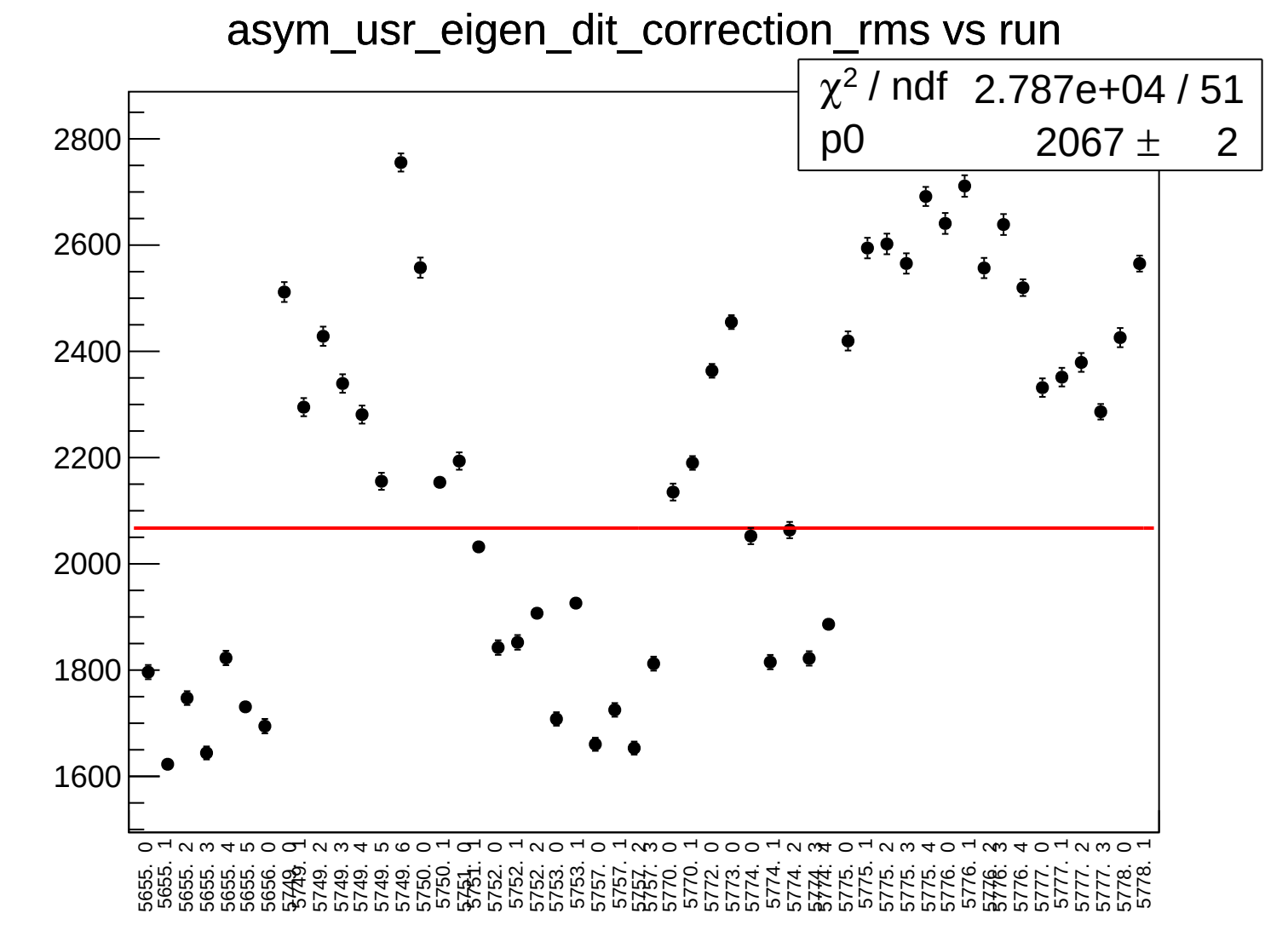

eigen_dit_asym_usr_mean vs run
χ² / ndf 50.08 / 51
p0 −1294 ± 1492
pull
Entries 52
Mean −1016
Std Dev 0

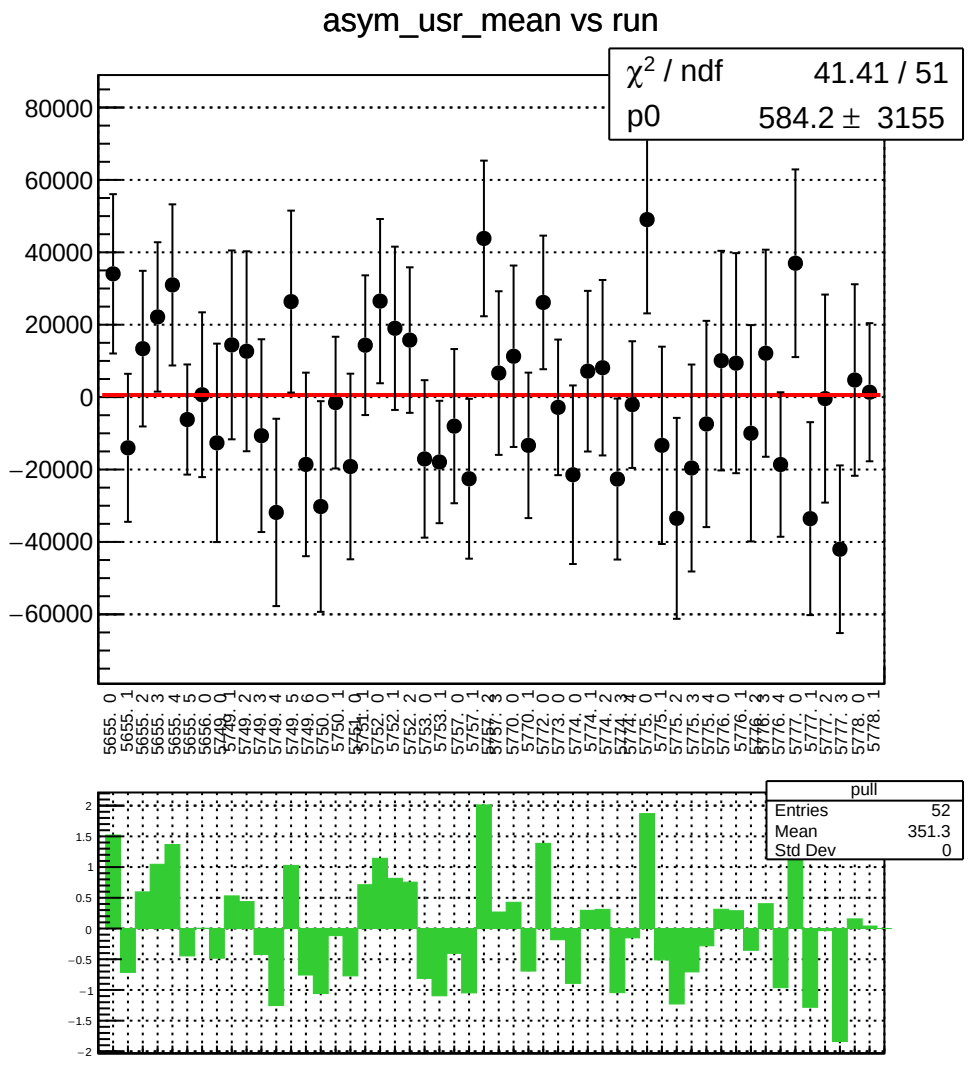

pull1D
Entries 52
Mean 0.002098
Std Dev 0.9813

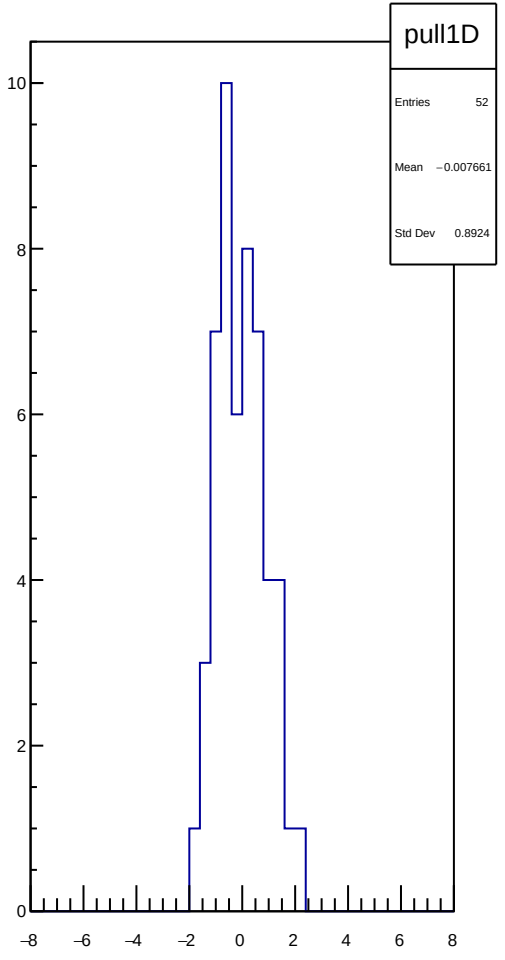

eigen_dit_asym_usr_rms vs run
χ² / ndf 1084 / 51
p0 1104 ± 1.055
1300
1250
1200
1150
1100
1050
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

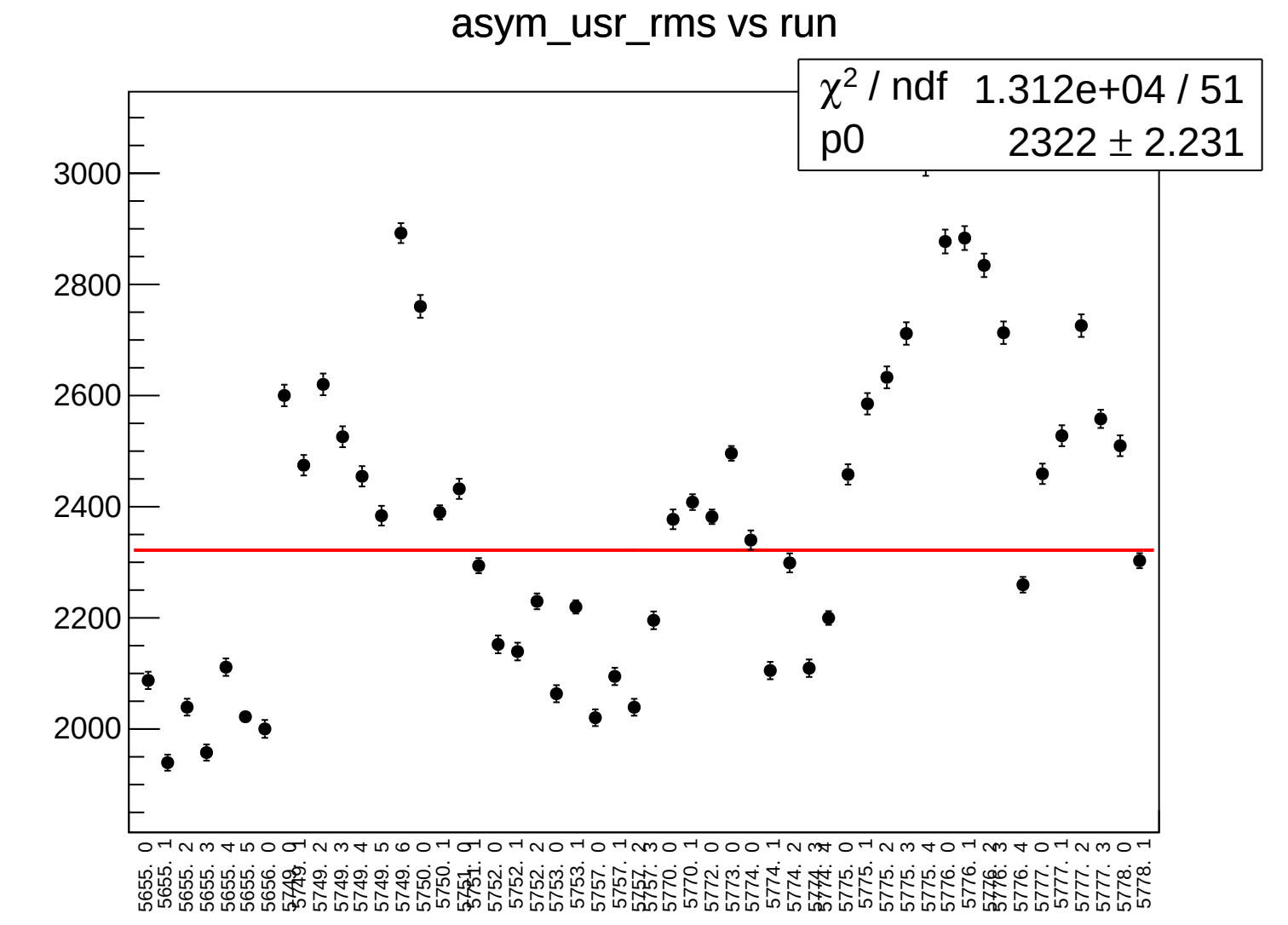

asym_usr_eigen_dit_correction_mean vs run
χ² / ndf 49.36 / 51
p0 −2199 ± 2828
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean 129.9
Std Dev 0
2
1
0
−1
−2

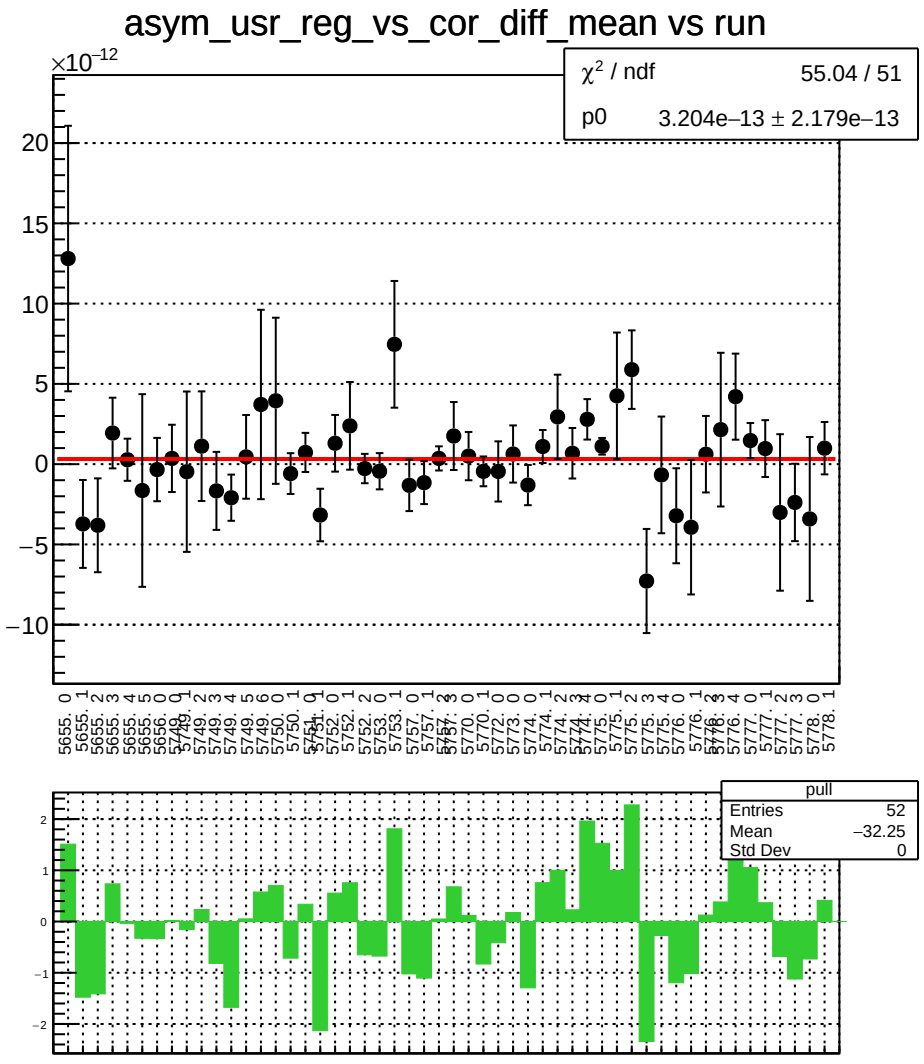

pull1D
Entries 52
Mean 0.01608
Std Dev 0.9741
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

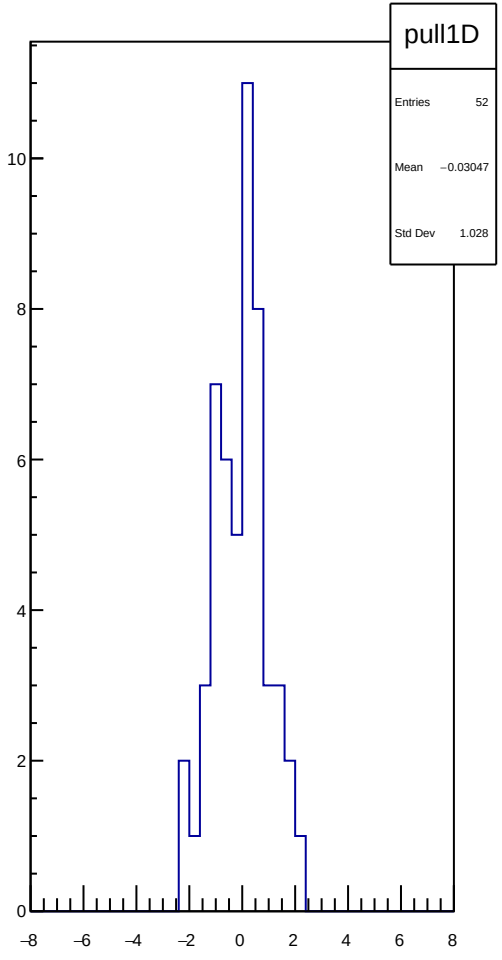

asym_usr_eigen_dit_correction_rms vs run
χ² / ndf 2.787e+04 / 51
p0 2067 ± 2
2800
2600
2400
2200
2000
1800
1600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

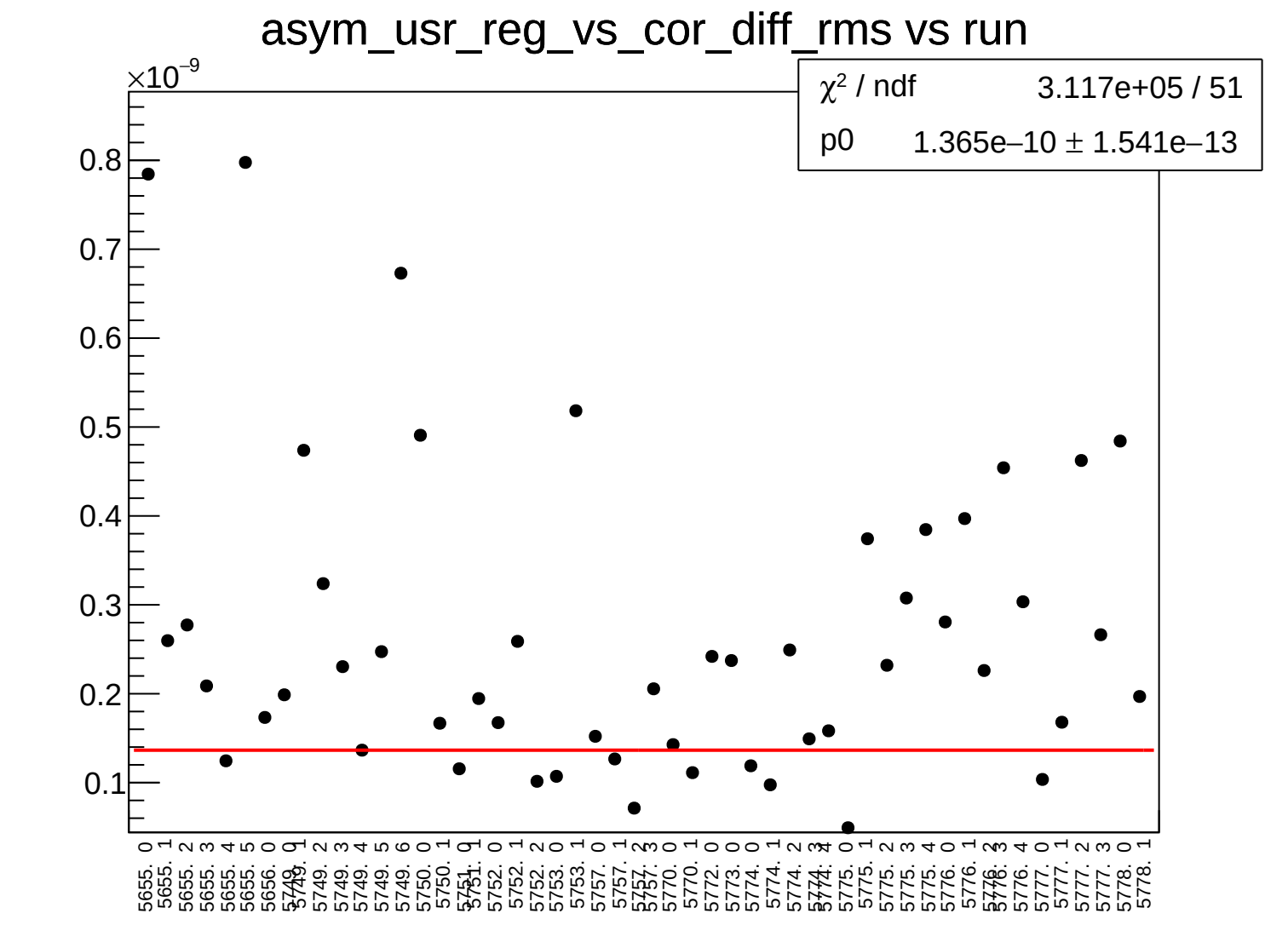

asym_usr_mean vs run
χ² / ndf 41.41 / 51
p0 584.2 ± 3155
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 351.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

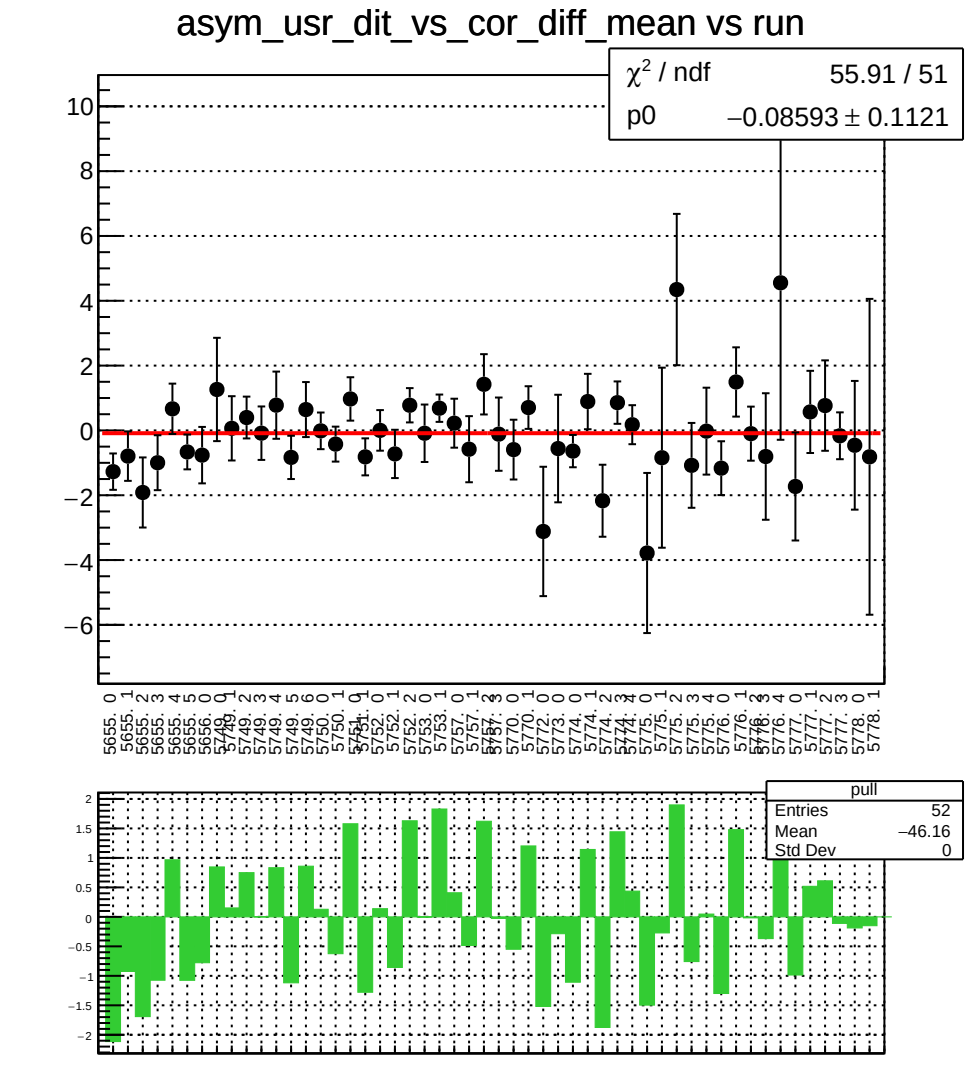

pull1D
Entries 52
Mean −0.007661
Std Dev 0.8924
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

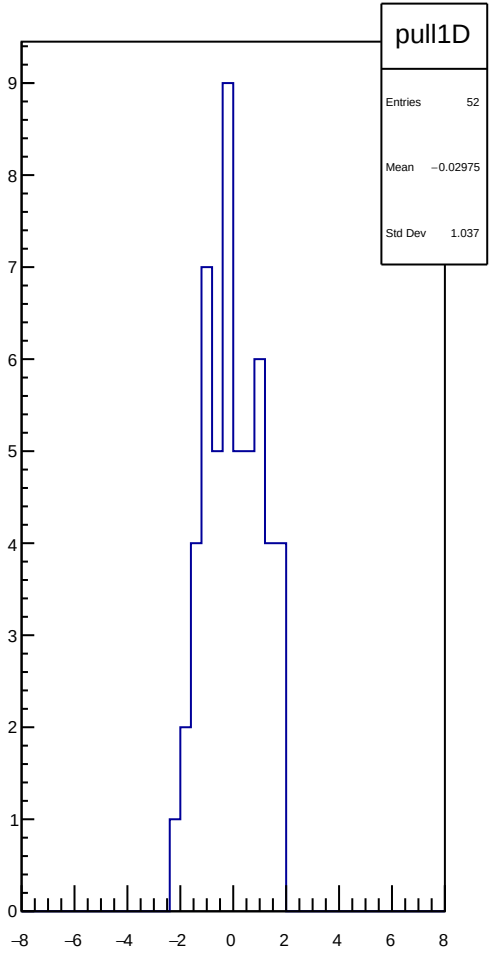

asym_usr_rms vs run
χ² / ndf 1.312e+04 / 51
p0 2322 ± 2.231
3000
2800
2600
2400
2200
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

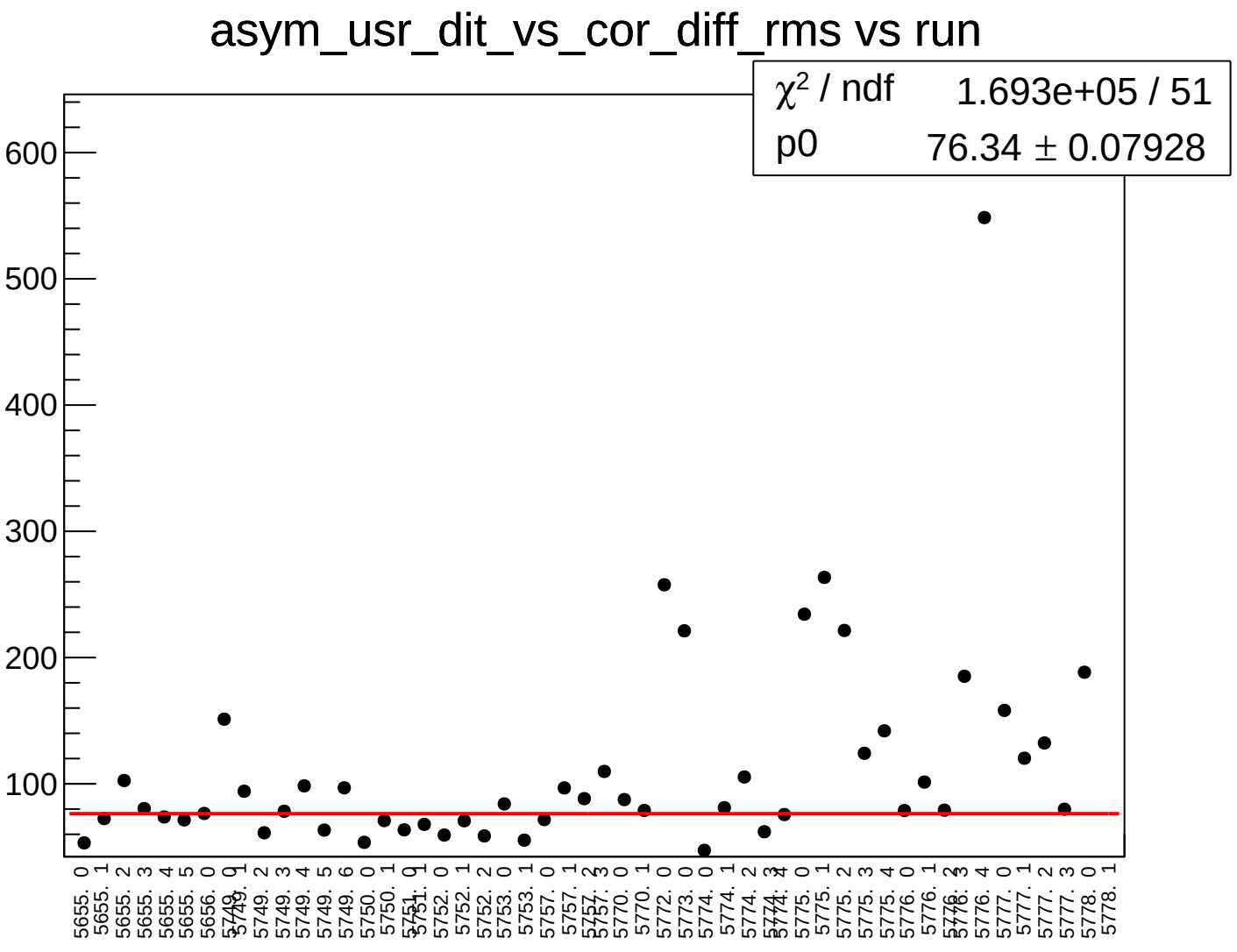

asym_usr_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.04 / 51
p0 3.204e−13 ± 2.179e−13
pull
Entries 52
Mean −32.25
Std Dev 0

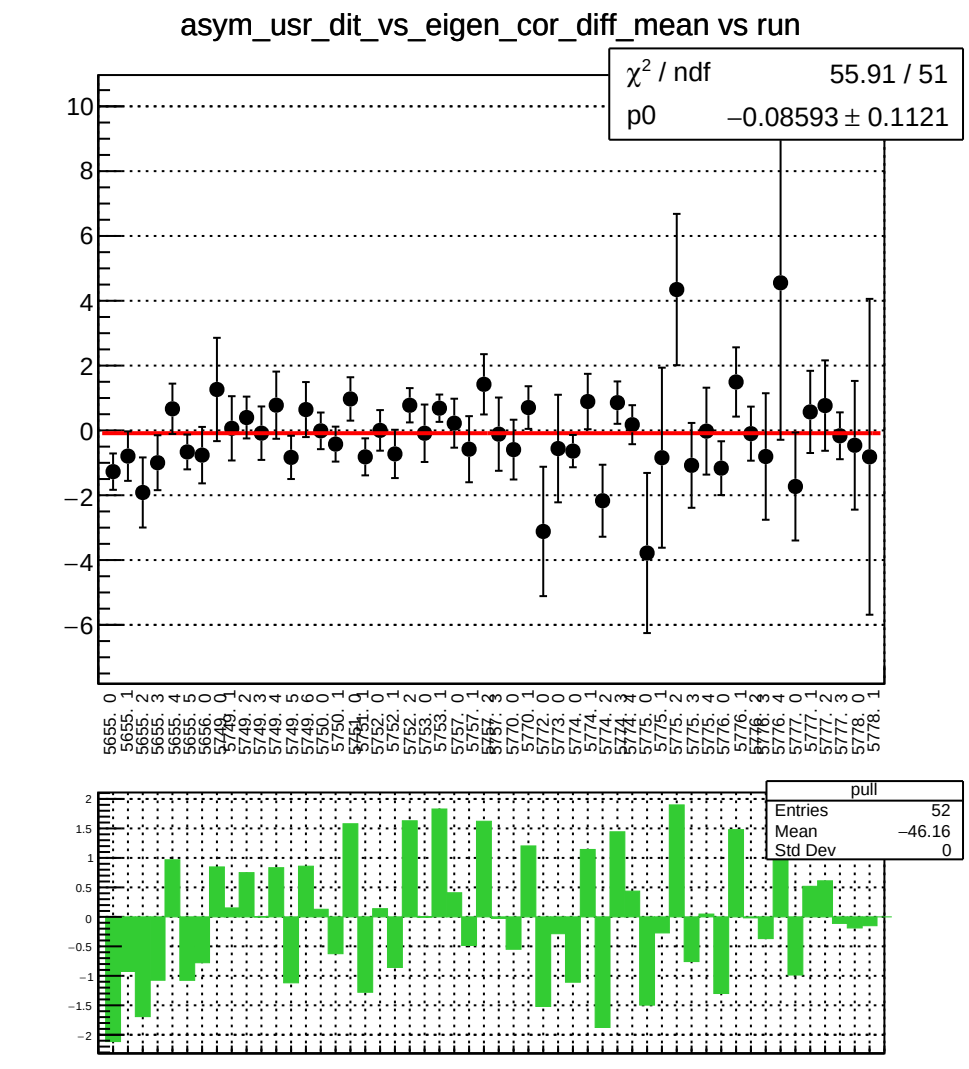

pull1D
Entries 52
Mean −0.03047
Std Dev 1.028

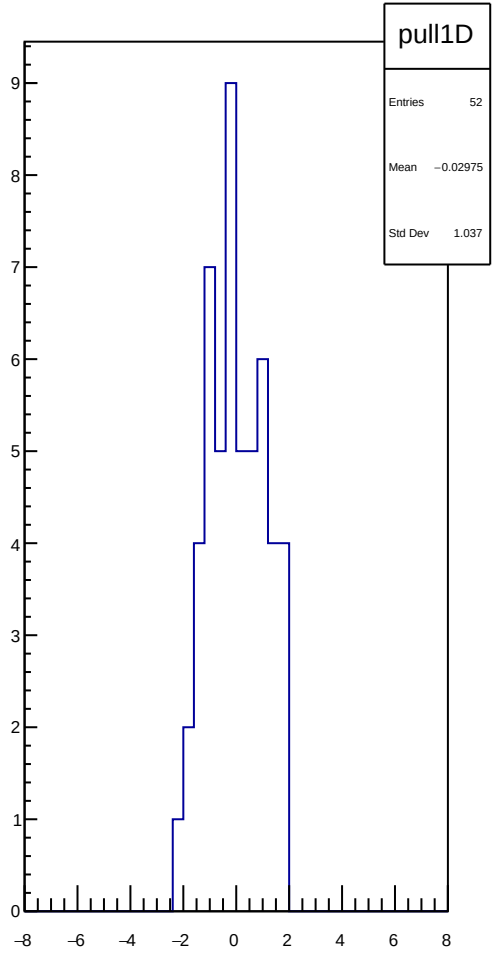

asym_usr_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.117e+05 / 51
p0 1.365e−10 ± 1.541e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

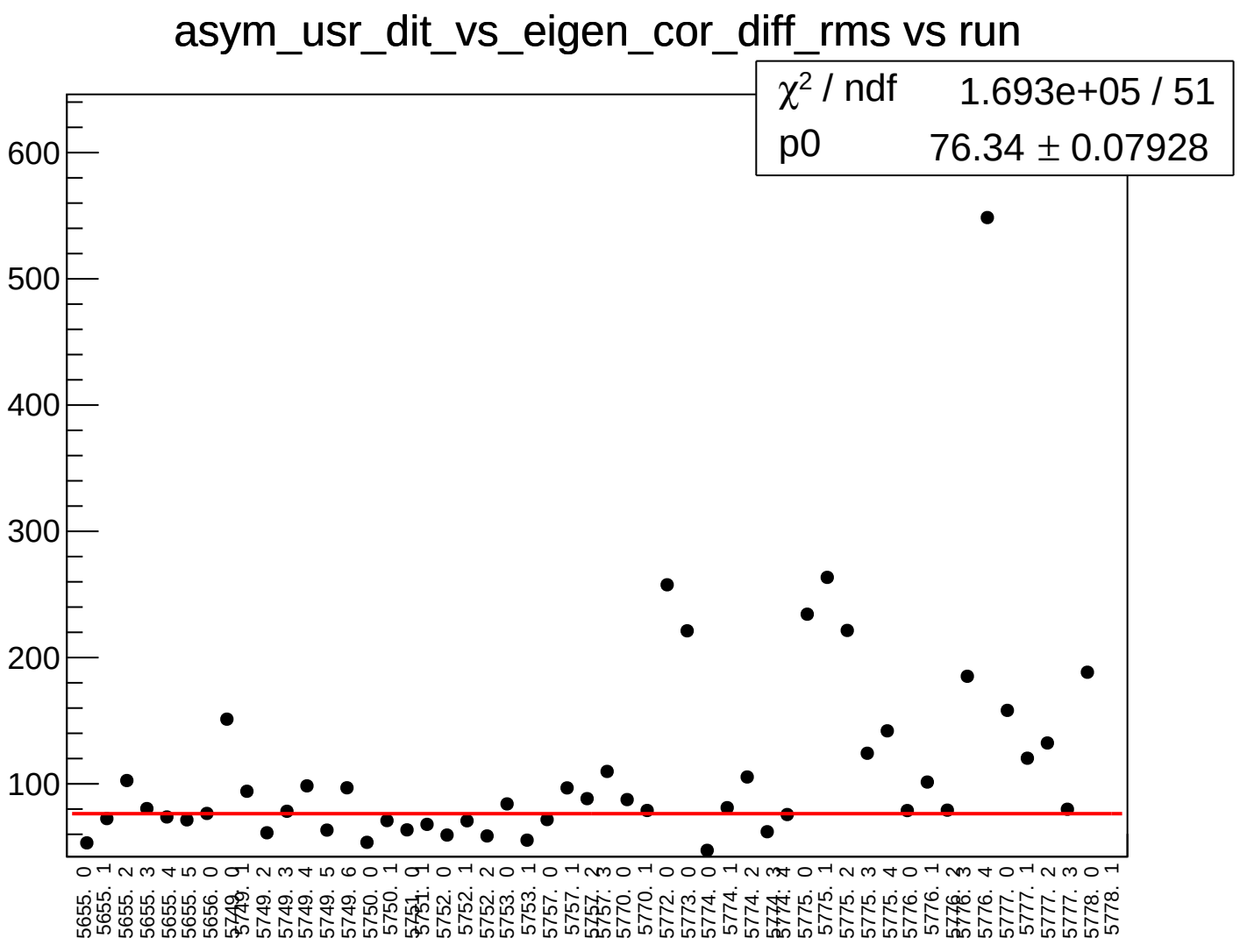

asym_usr_dit_vs_cor_diff_mean vs run
χ² / ndf 55.91 / 51
p0 −0.08593 ± 0.1121
pull
Entries 52
Mean −46.16
Std Dev 0

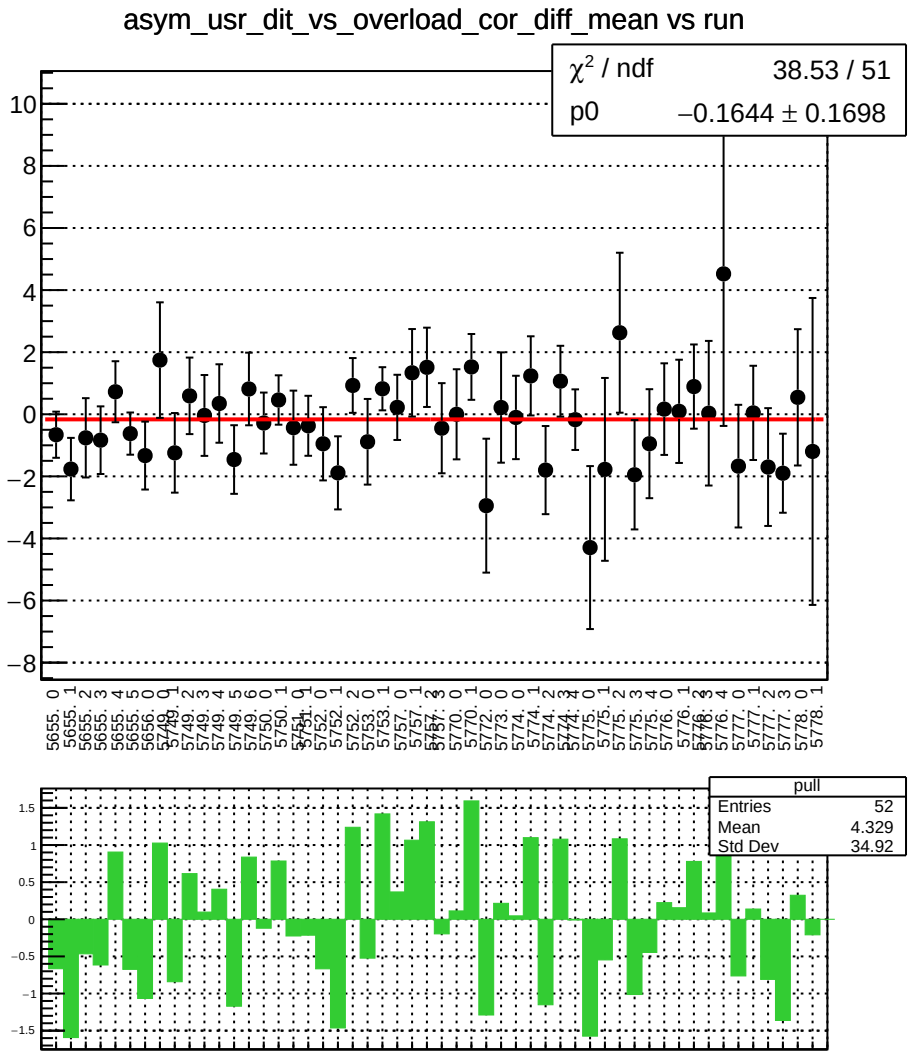

pull1D
Entries 52
Mean −0.02975
Std Dev 1.037

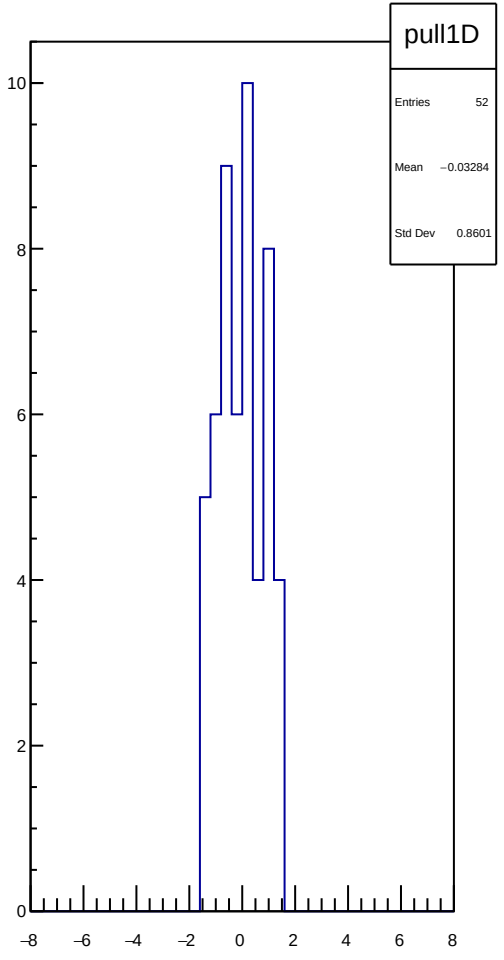

asym_usr_dit_vs_cor_diff_rms vs run
χ² / ndf 1.693e+05 / 51
p0 76.34 ± 0.07928
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

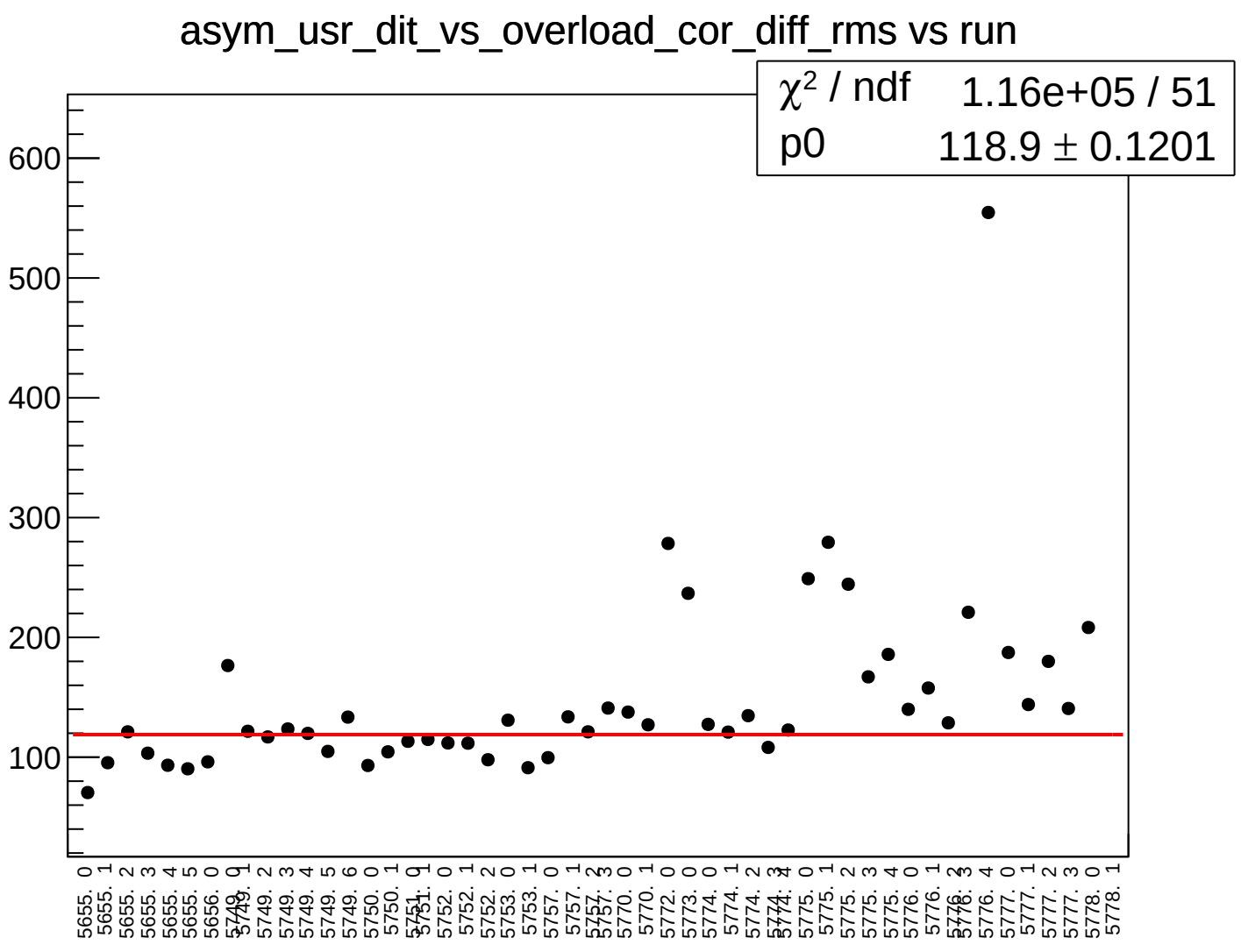

asym_usr_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.91 / 51
p0 −0.08593 ± 0.1121
pull
Entries 52
Mean −46.16
Std Dev 0

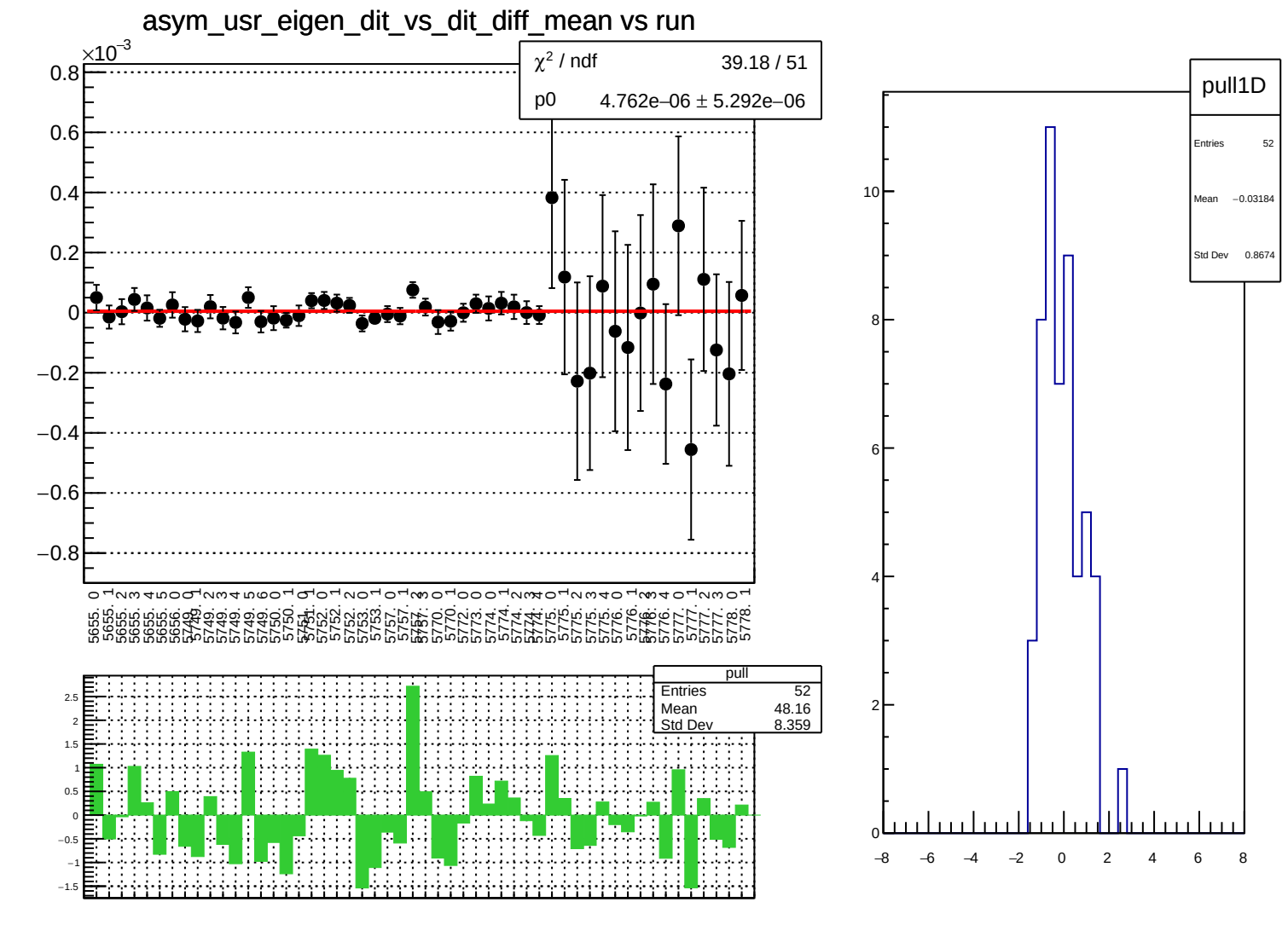

pull1D
Entries 52
Mean −0.02975
Std Dev 1.037

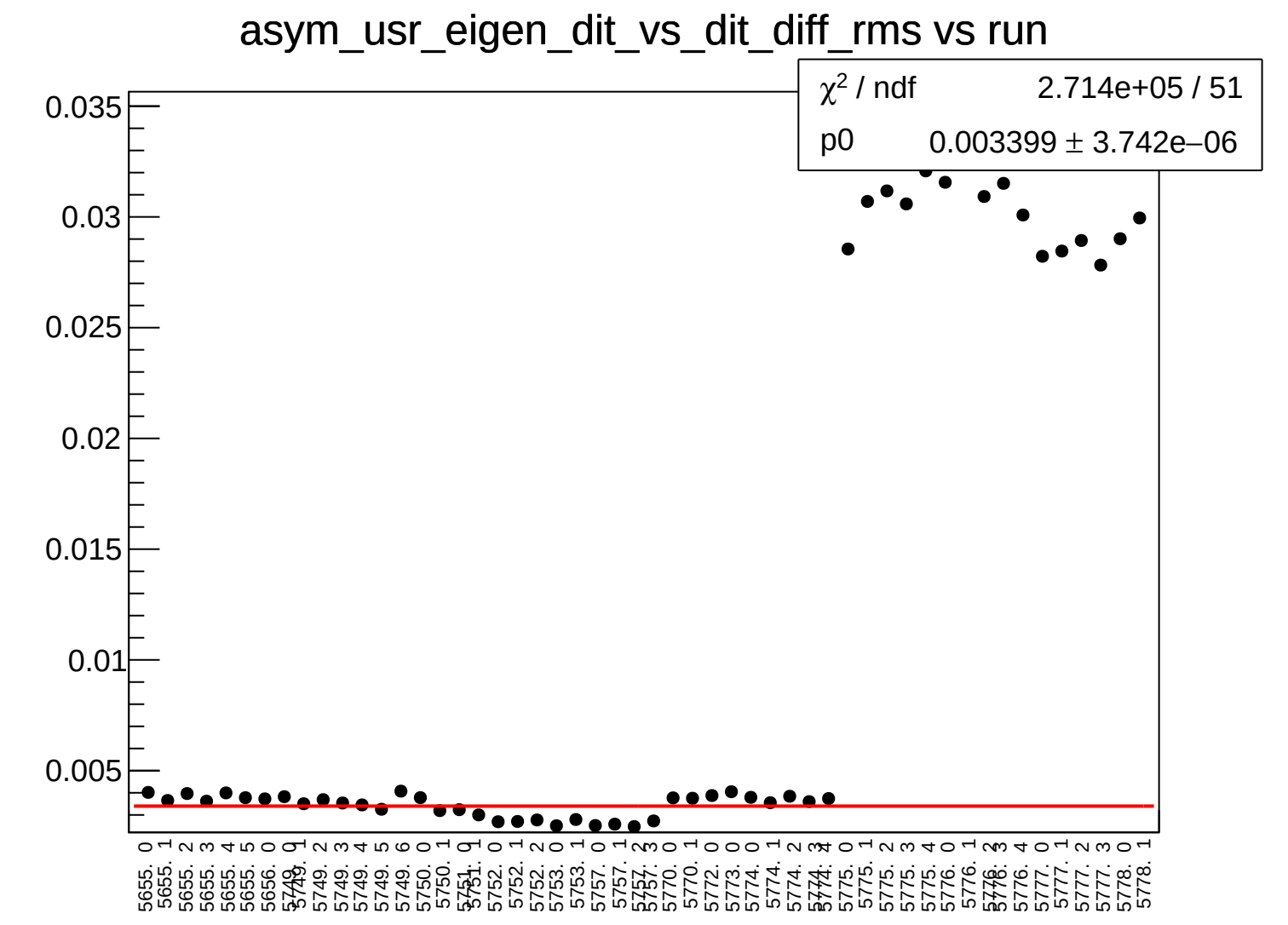

asym_usr_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.693e+05 / 51
p0 76.34 ± 0.07928
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usr_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 38.53 / 51
p0 −0.1644 ± 0.1698
pull
Entries 52
Mean 4.329
Std Dev 34.92


pull1D
Entries 52
Mean −0.03284
Std Dev 0.8601


asym_usr_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.16e+05 / 51
p0 118.9 ± 0.1201
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usr_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 39.18 / 51
p0 4.762e−06 ± 5.292e−06
pull
Entries 52
Mean 48.16
Std Dev 8.359
pull1D
Entries 52
Mean −0.03184
Std Dev 0.8674


asym_usr_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.714e+05 / 51
p0 0.003399 ± 3.742e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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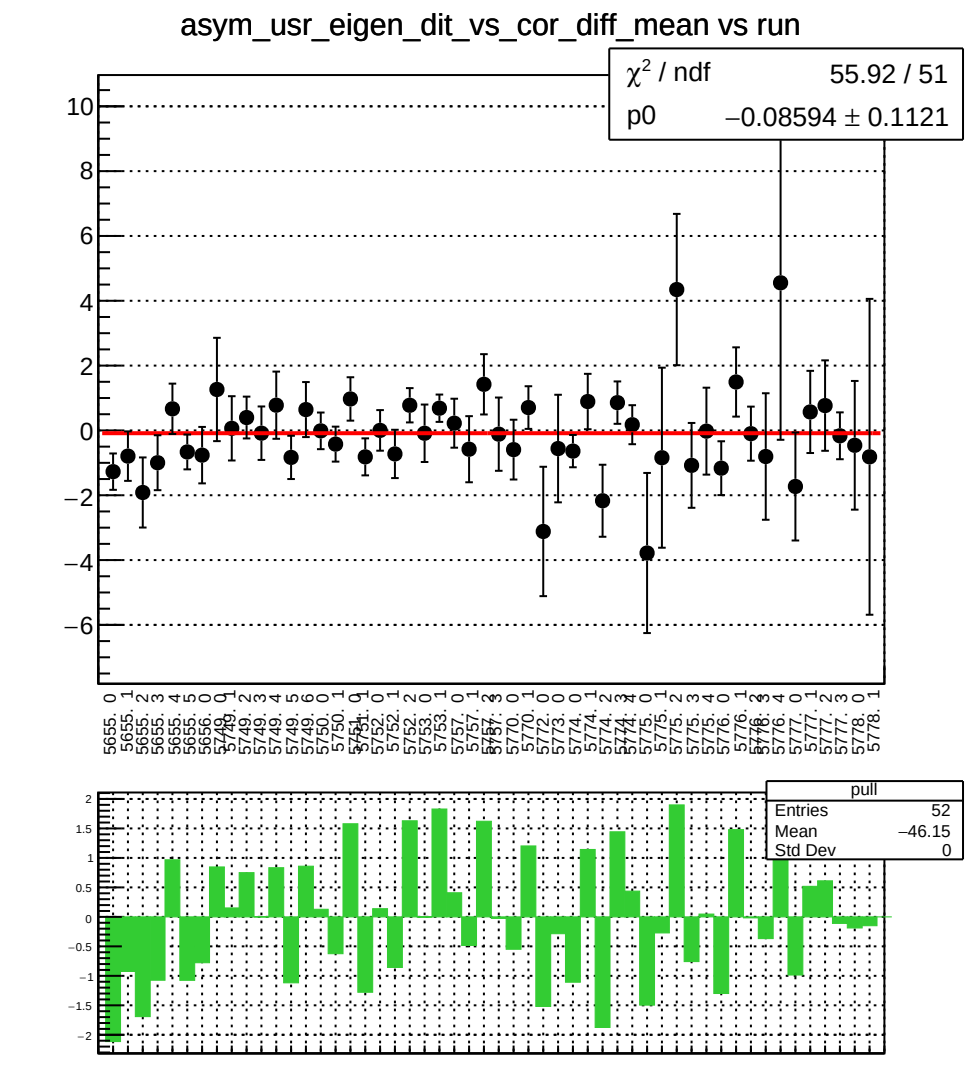
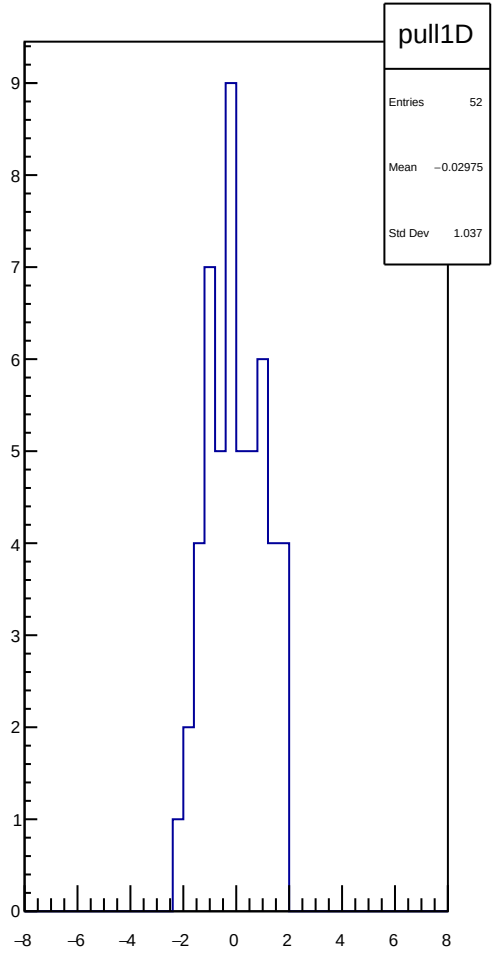
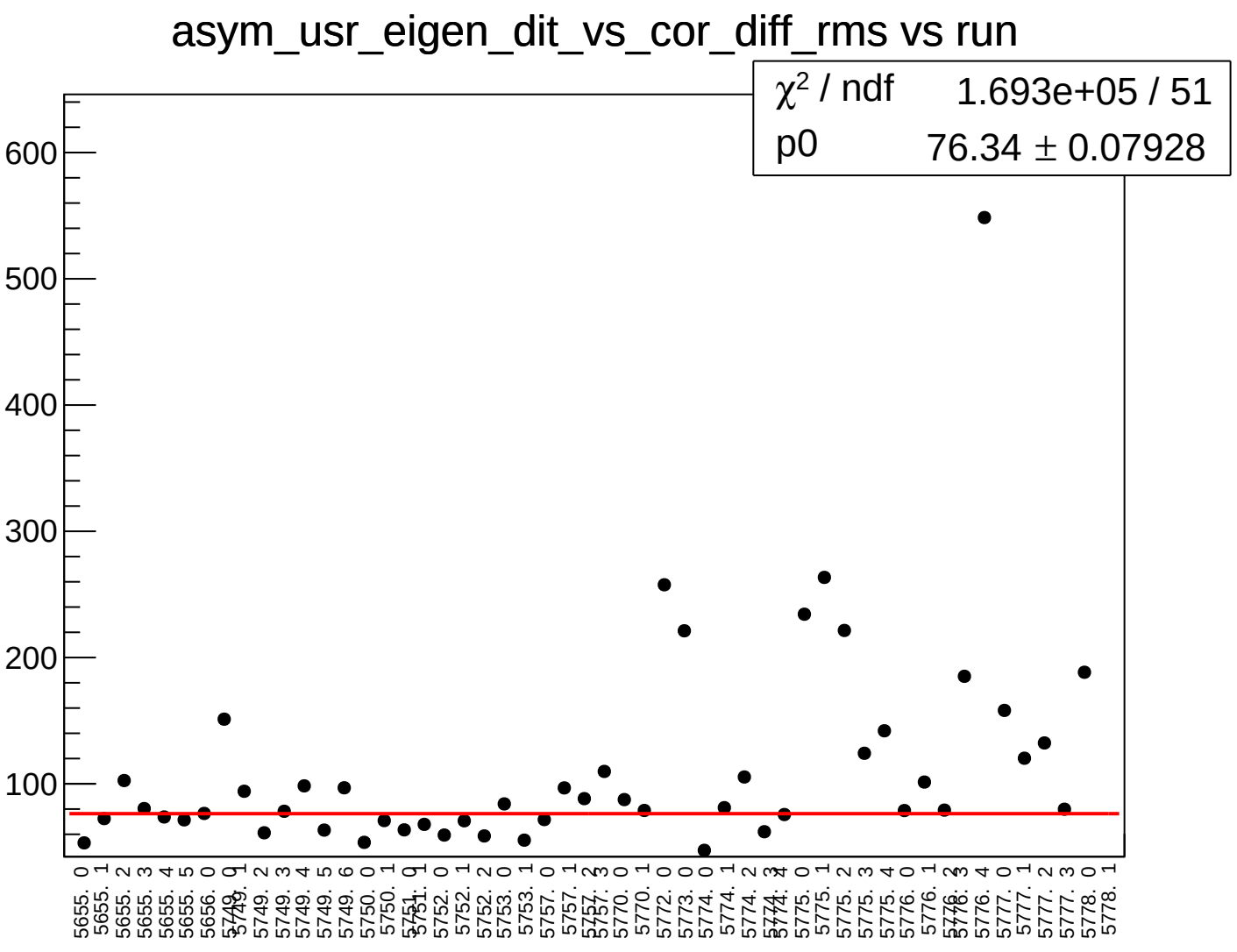
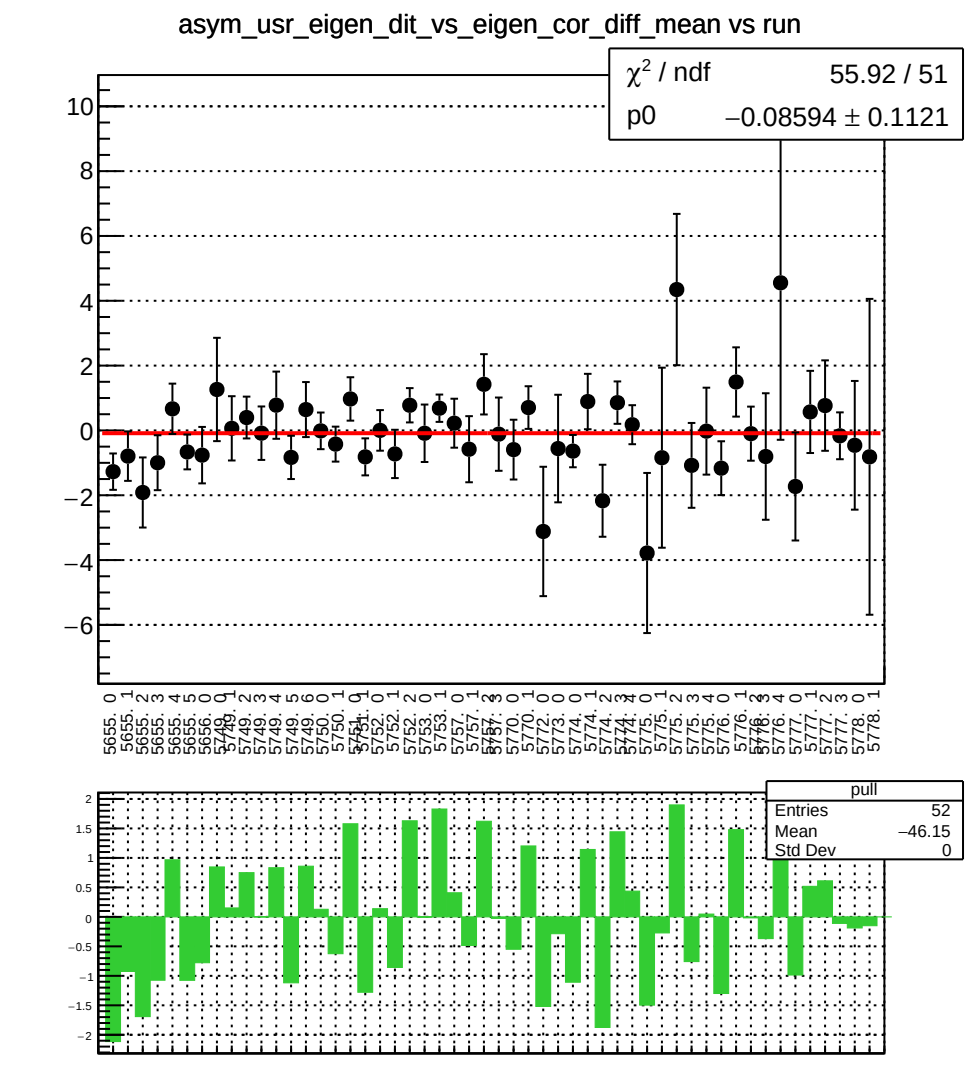
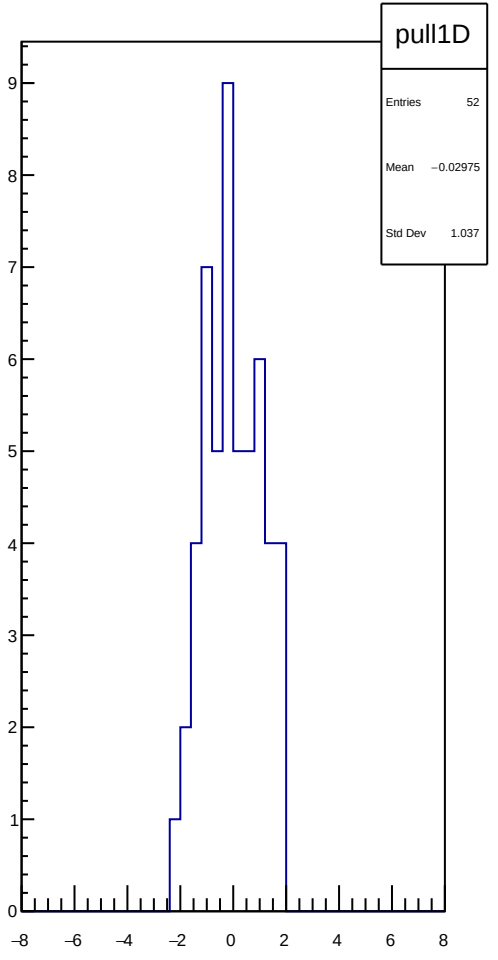
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

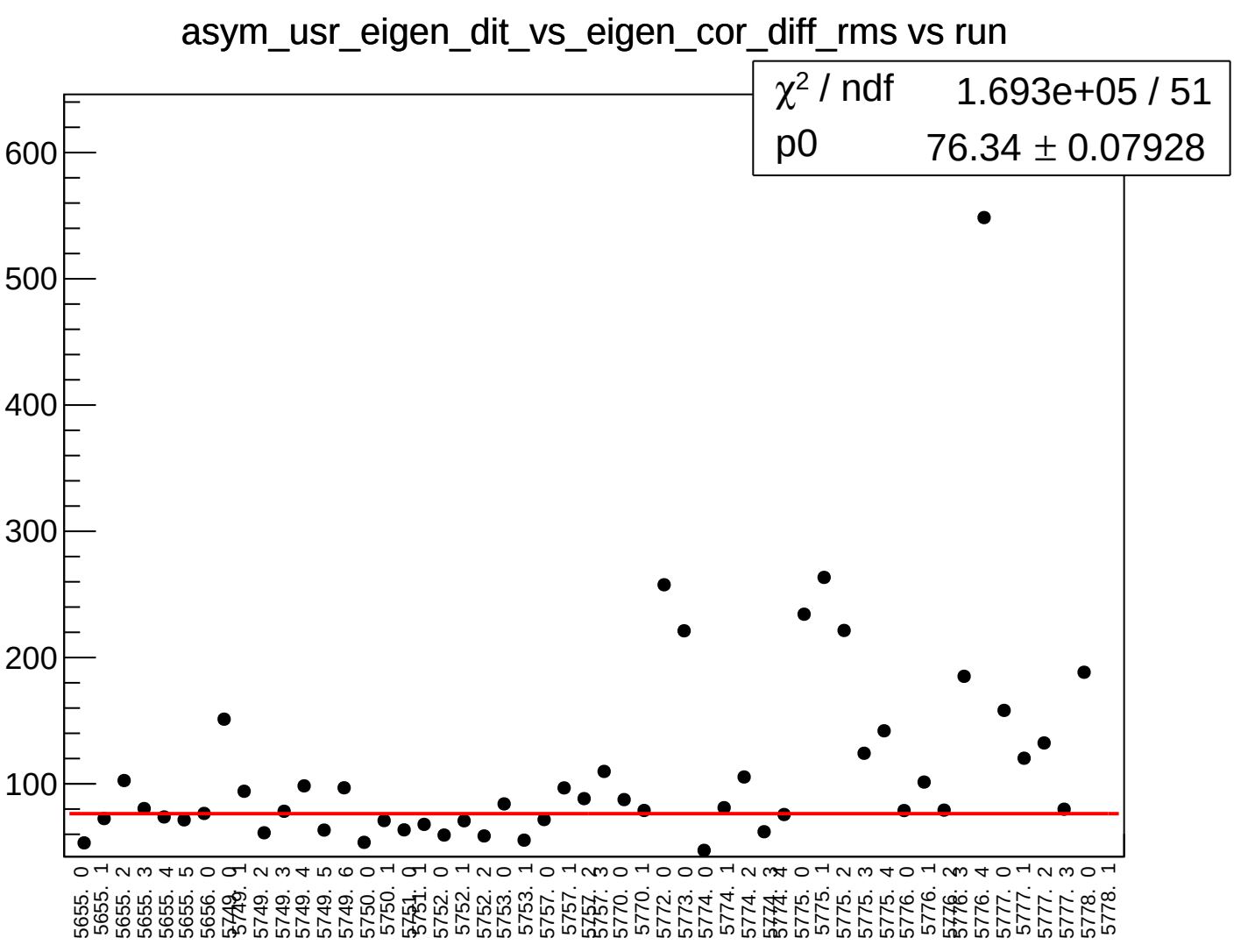

asym_usr_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.92 / 51
p0 −0.08594 ± 0.1121
pull
Entries 52
Mean −46.15
Std Dev 0

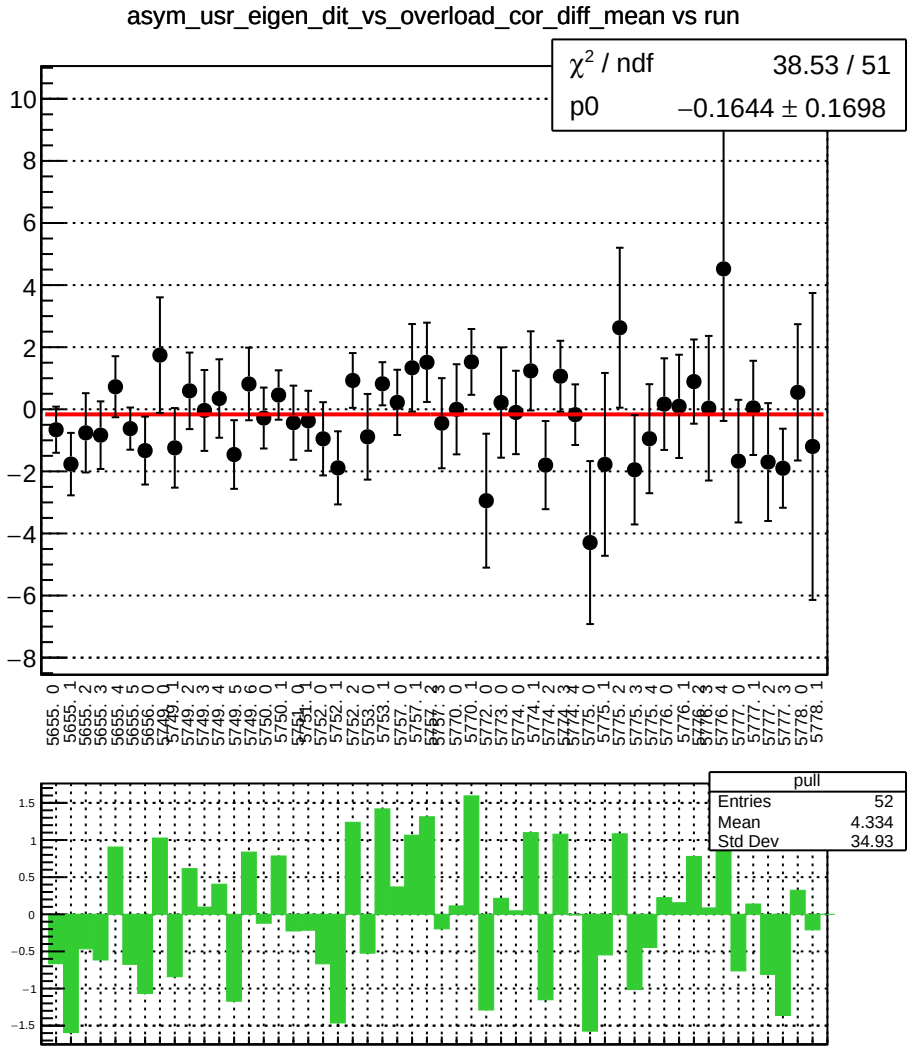

pull1D
Entries 52
Mean −0.02975
Std Dev 1.037

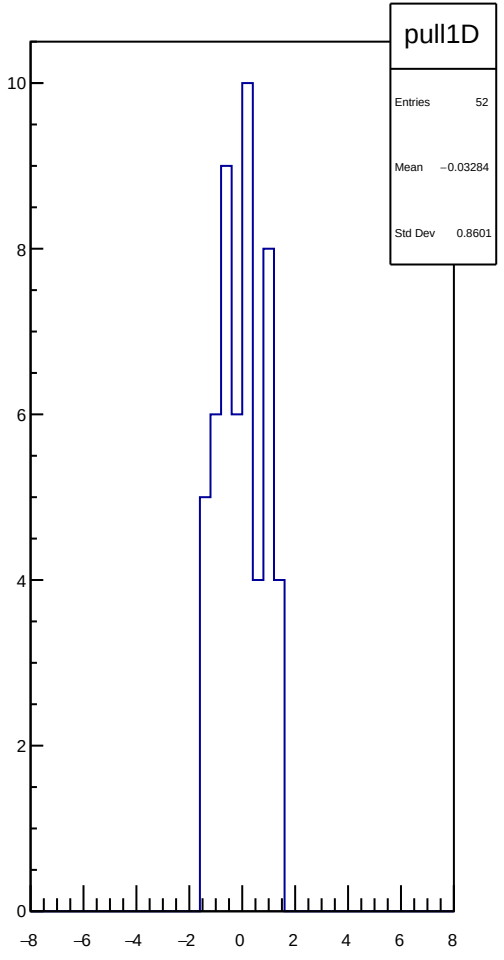

asym_usr_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.693e+05 / 51
p0 76.34 ± 0.07928
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

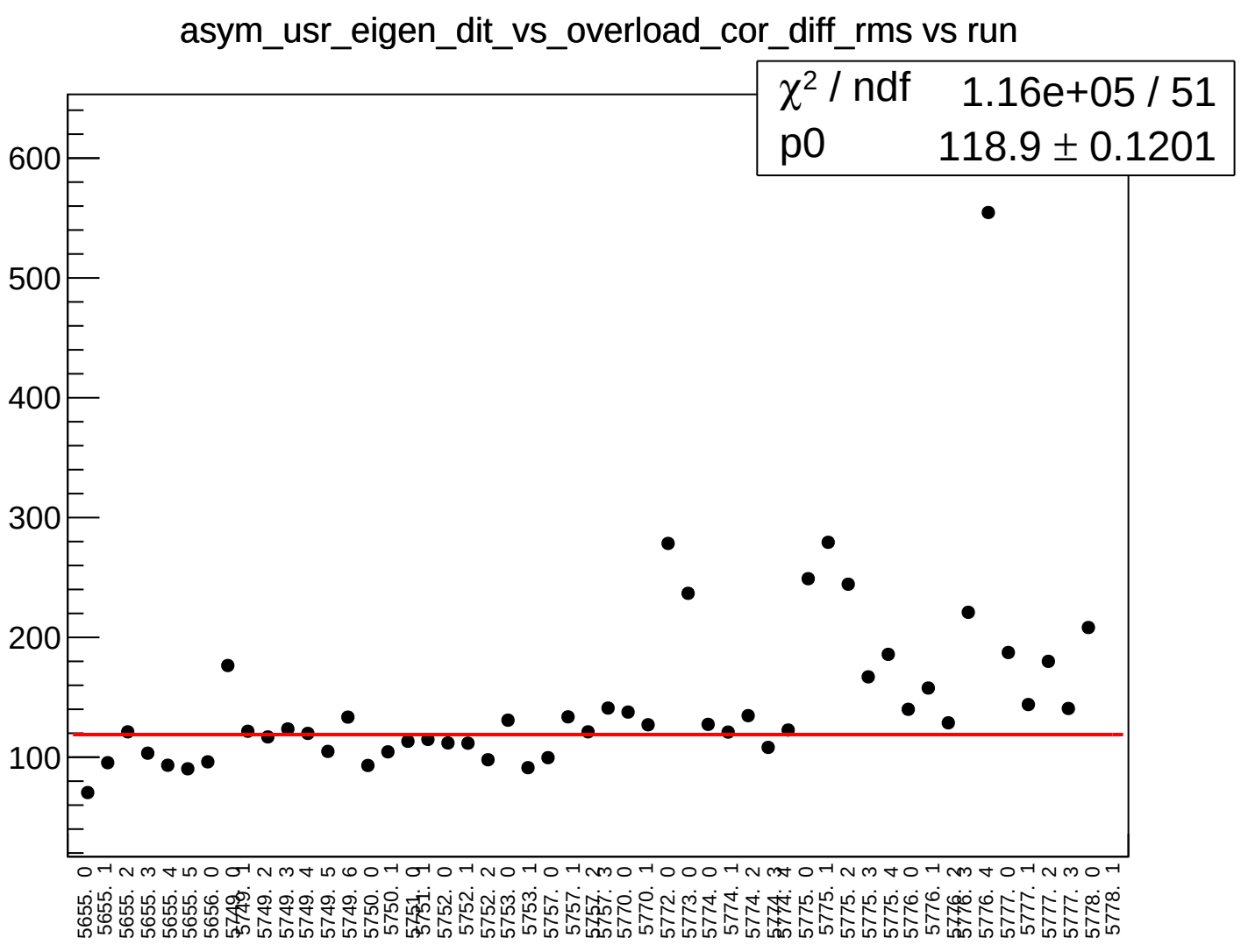

asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.92 / 51
p0 −0.08594 ± 0.1121
pull
Entries 52
Mean −46.15
Std Dev 0

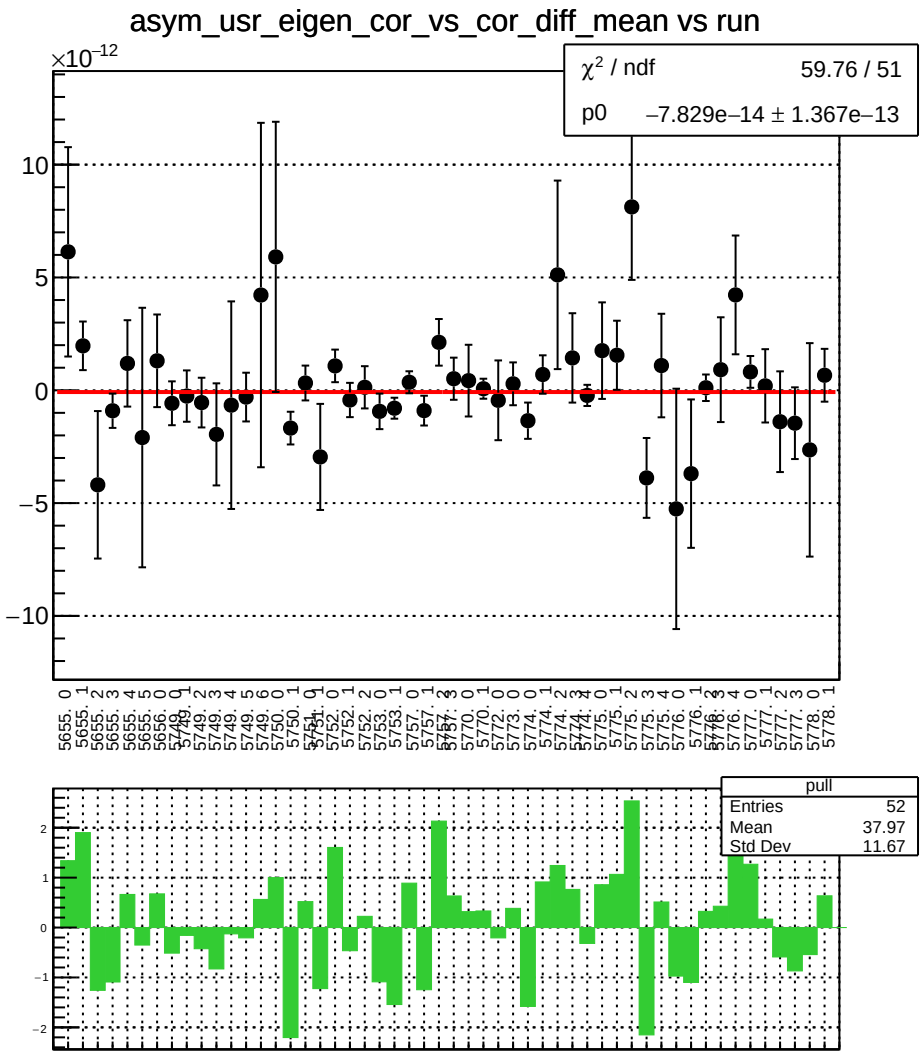

pull1D
Entries 52
Mean −0.02975
Std Dev 1.037

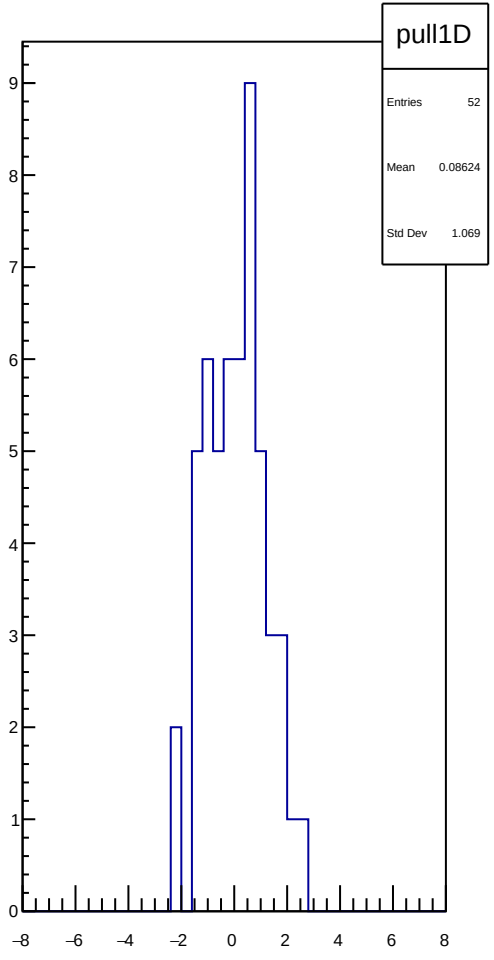

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.693e+05 / 51
p0 76.34 ± 0.07928
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

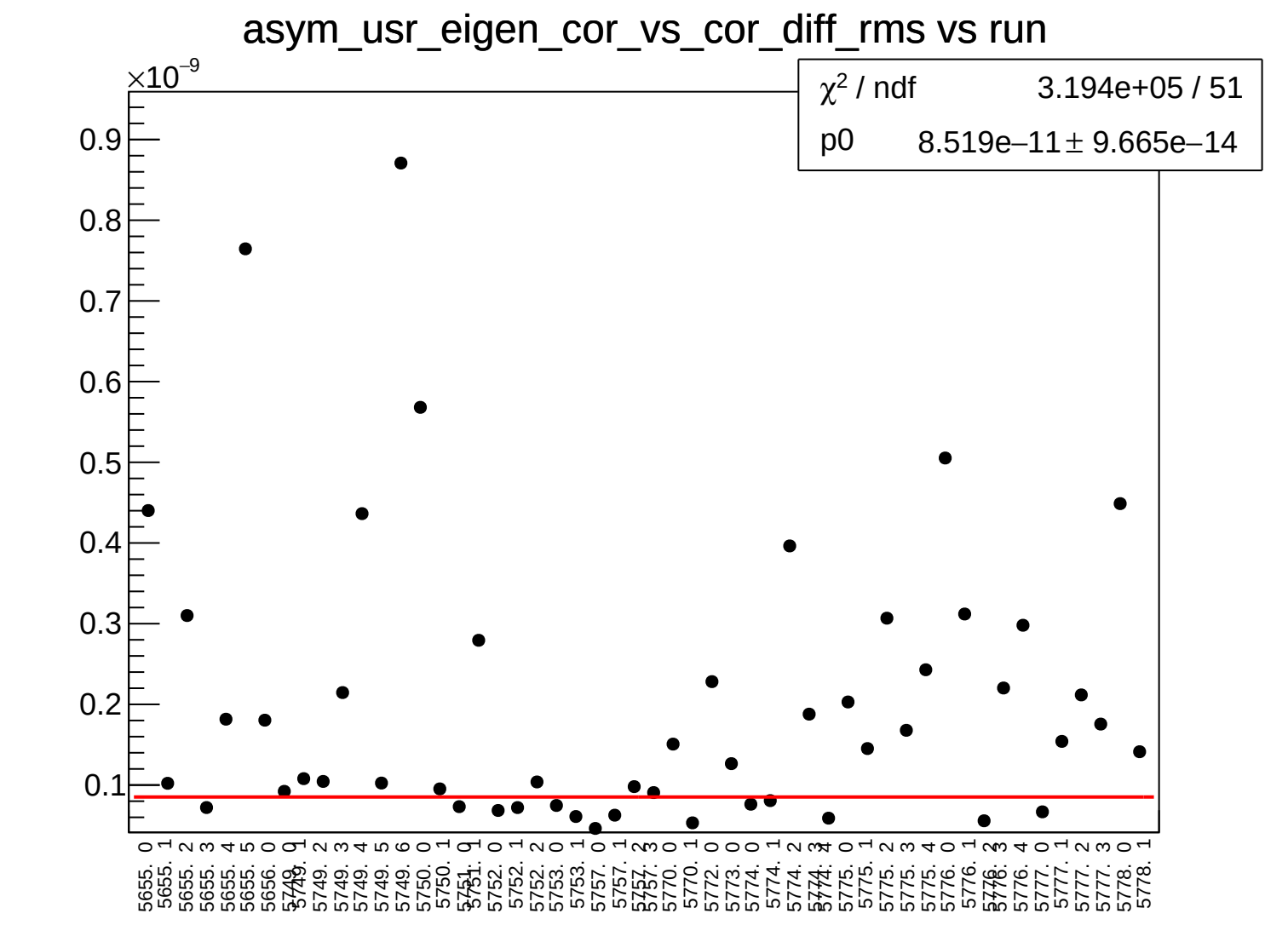

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 38.53 / 51
p0 −0.1644 ± 0.1698
pull
Entries 52
Mean 4.334
Std Dev 34.93


pull1D
Entries 52
Mean −0.03284
Std Dev 0.8601

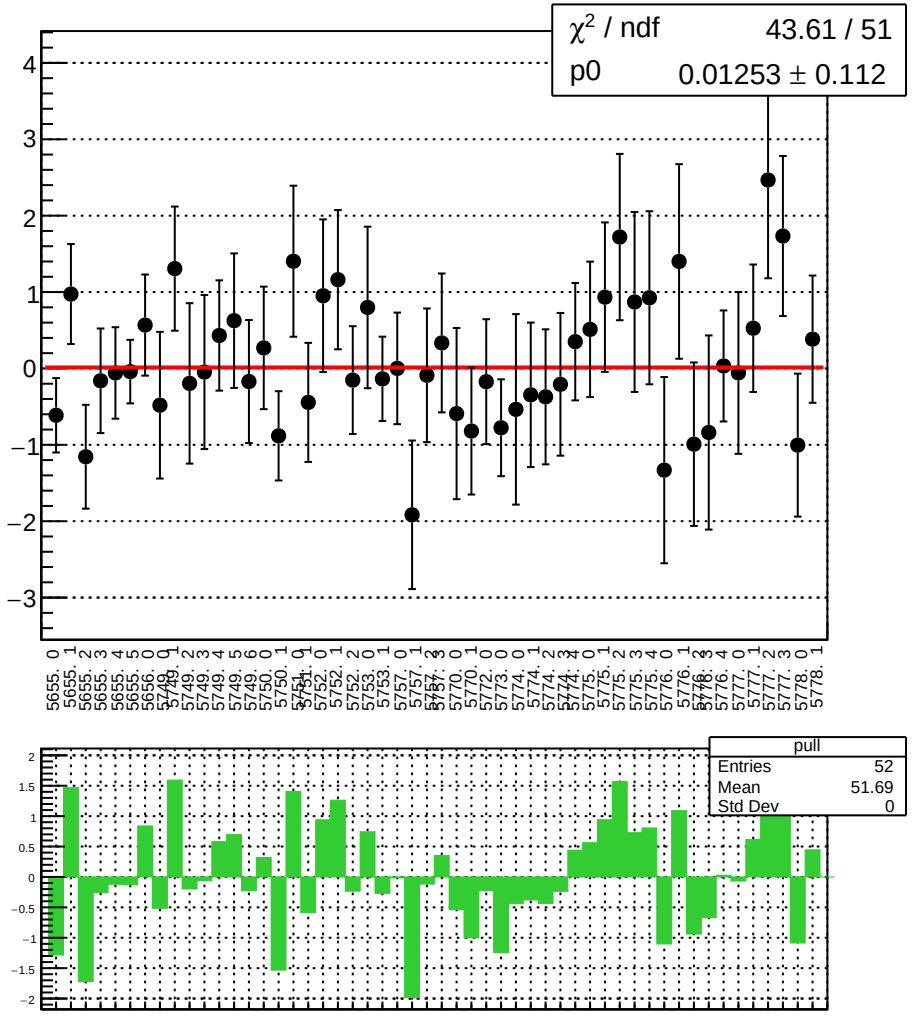

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.16e+05 / 51
p0 118.9 ± 0.1201
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

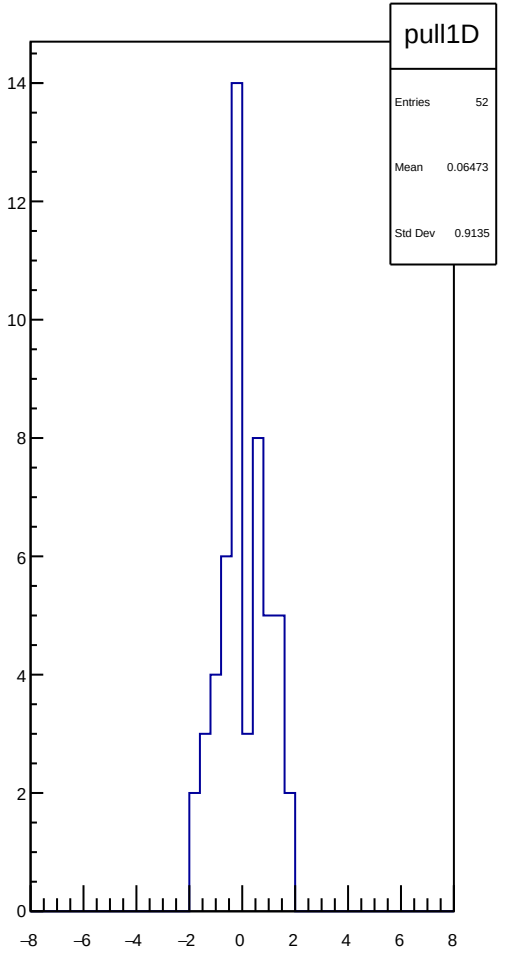

asym_usr_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.76 / 51
p0 −7.829e−14 ± 1.367e−13
pull
Entries 52
Mean 37.97
Std Dev 11.67

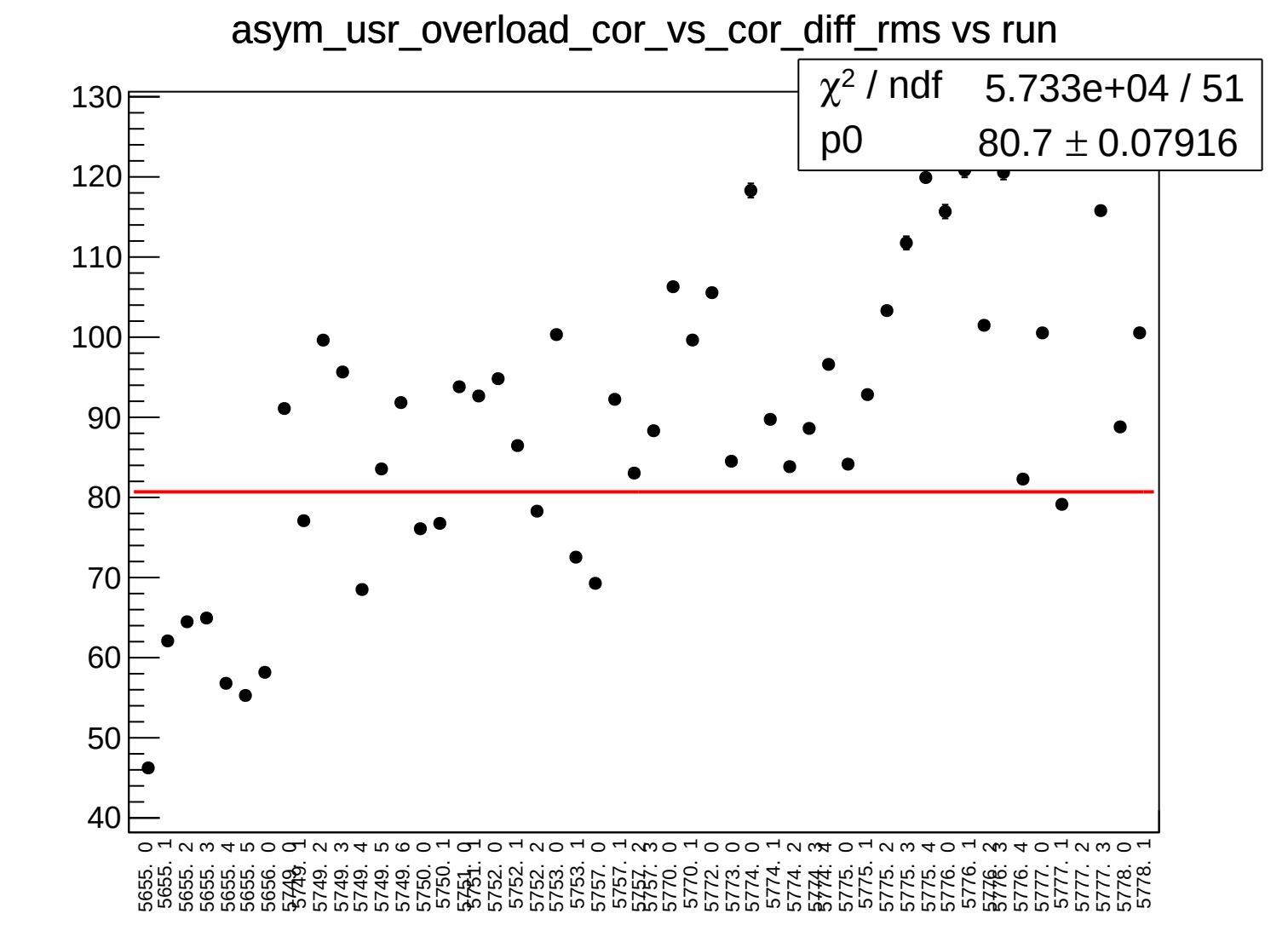

pull1D
Entries 52
Mean 0.08624
Std Dev 1.069

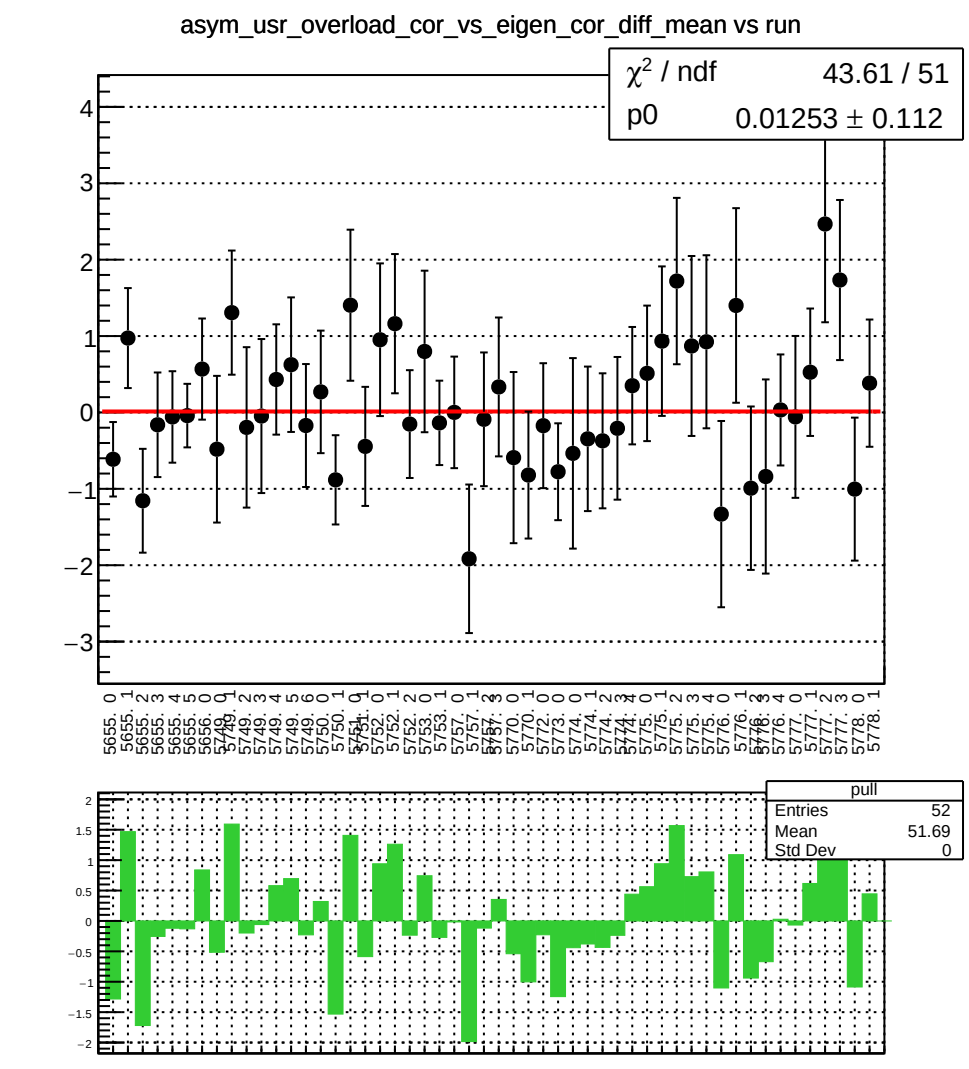

asym_usr_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.194e+05 / 51
p0 8.519e−11 ± 9.665e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

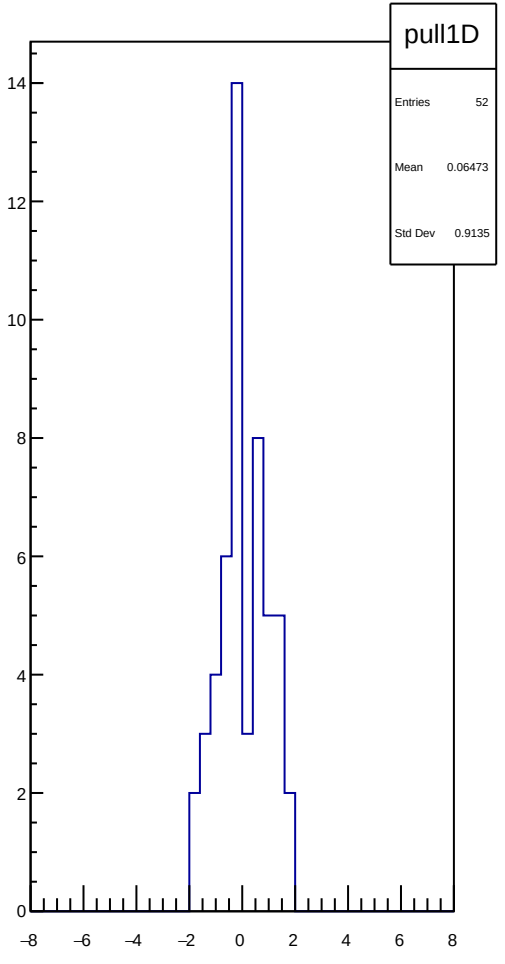
asym_usr_overload_cor_vs_cor_diff_mean vs run

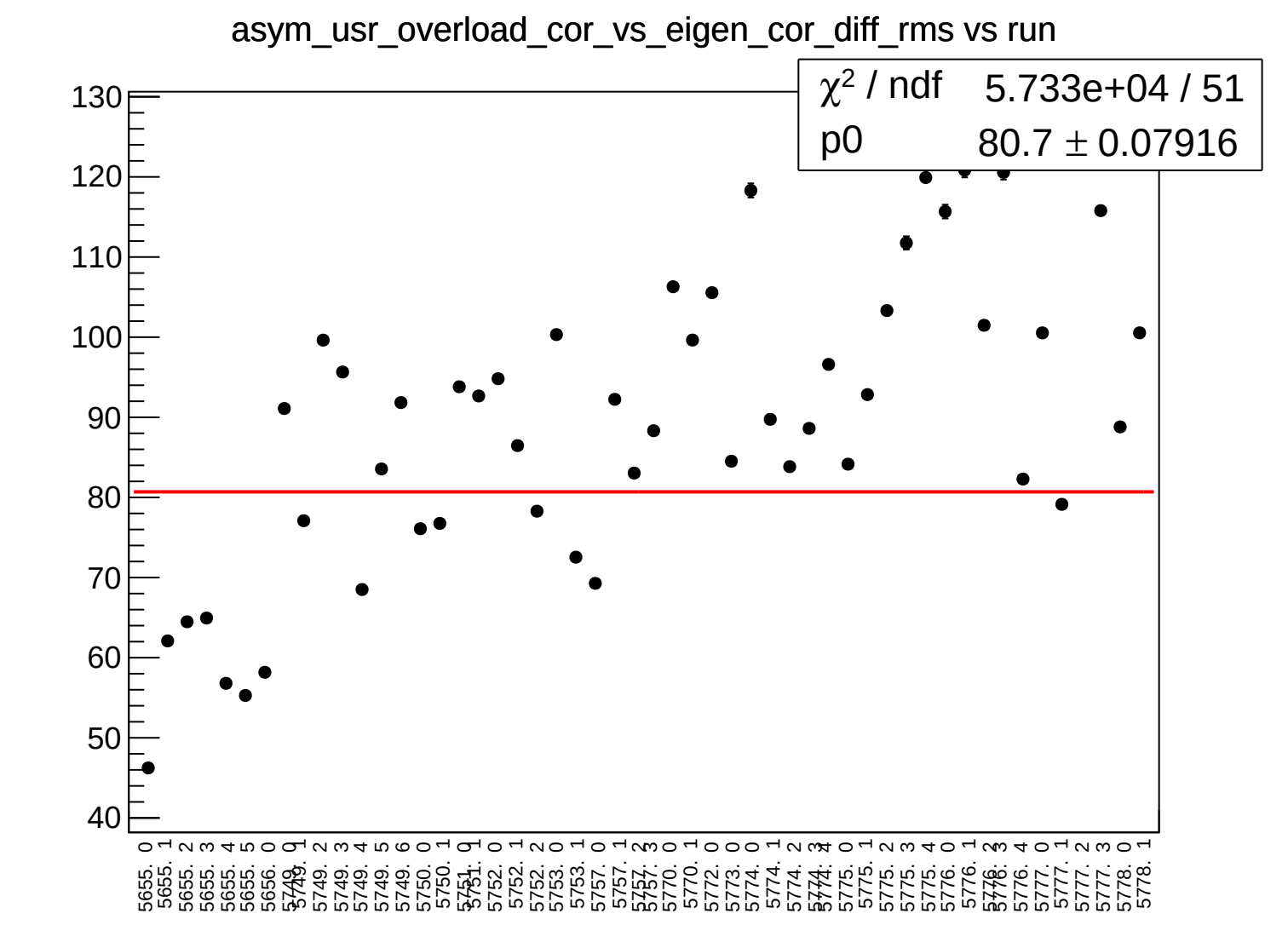


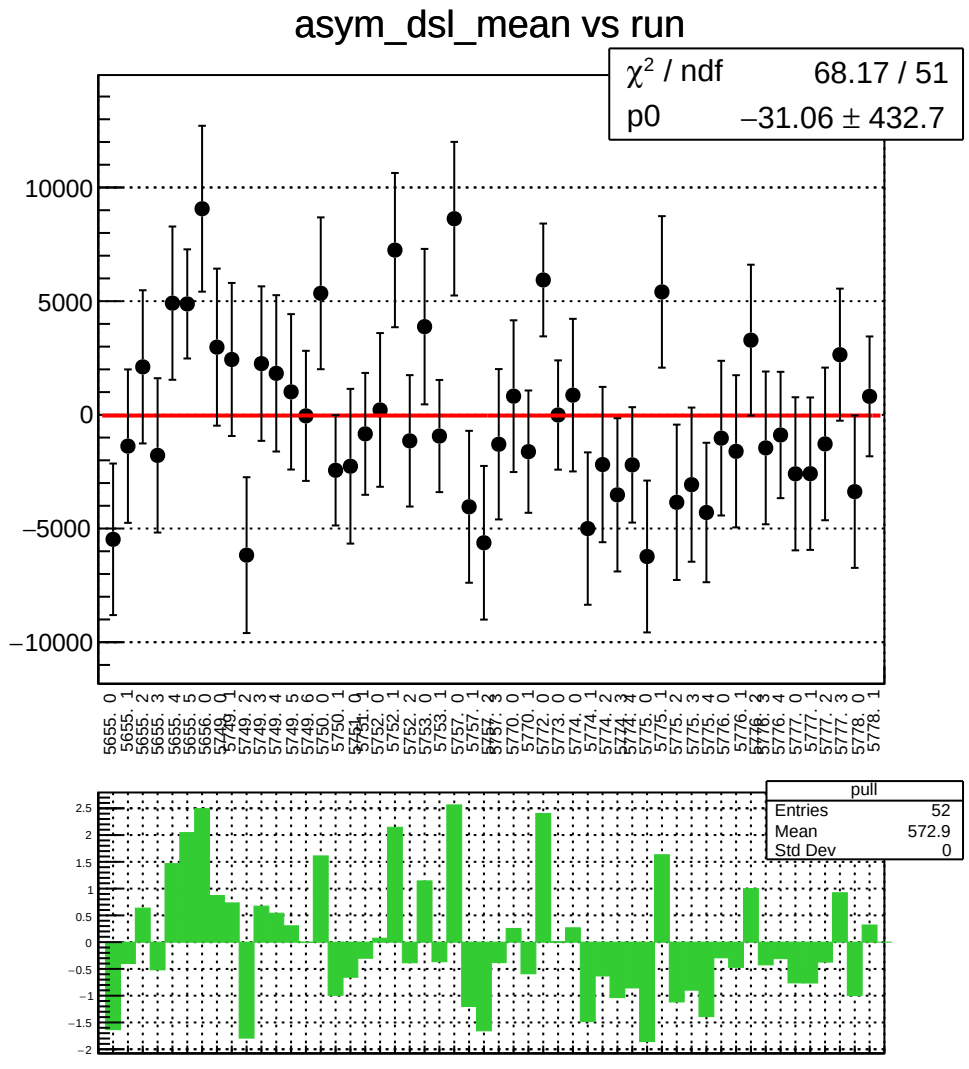


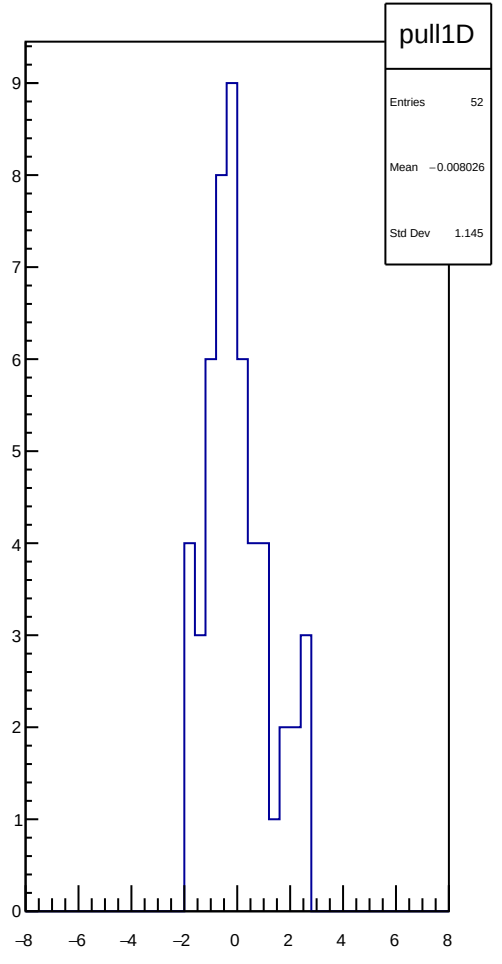

asym_usr_overload_cor_vs_cor_diff_rms vs run
χ^2 / ndf 5.733e+04 / 51
p0 80.7 ± 0.07916
130
120
110
100
90
80
70
60
50
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

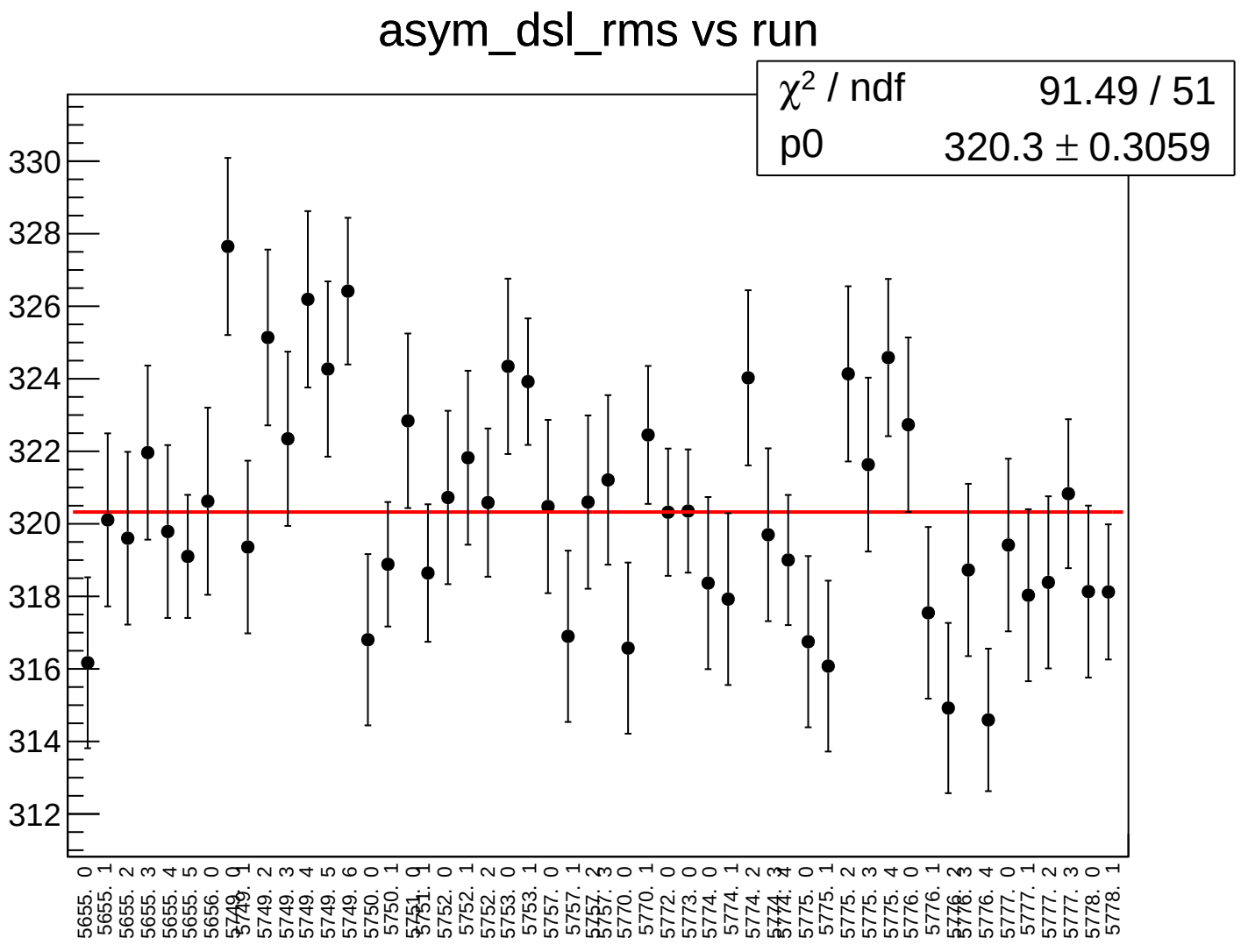

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.61 / 51
p0 0.01253 ± 0.112
pull
Entries 52
Mean 51.69
Std Dev 0

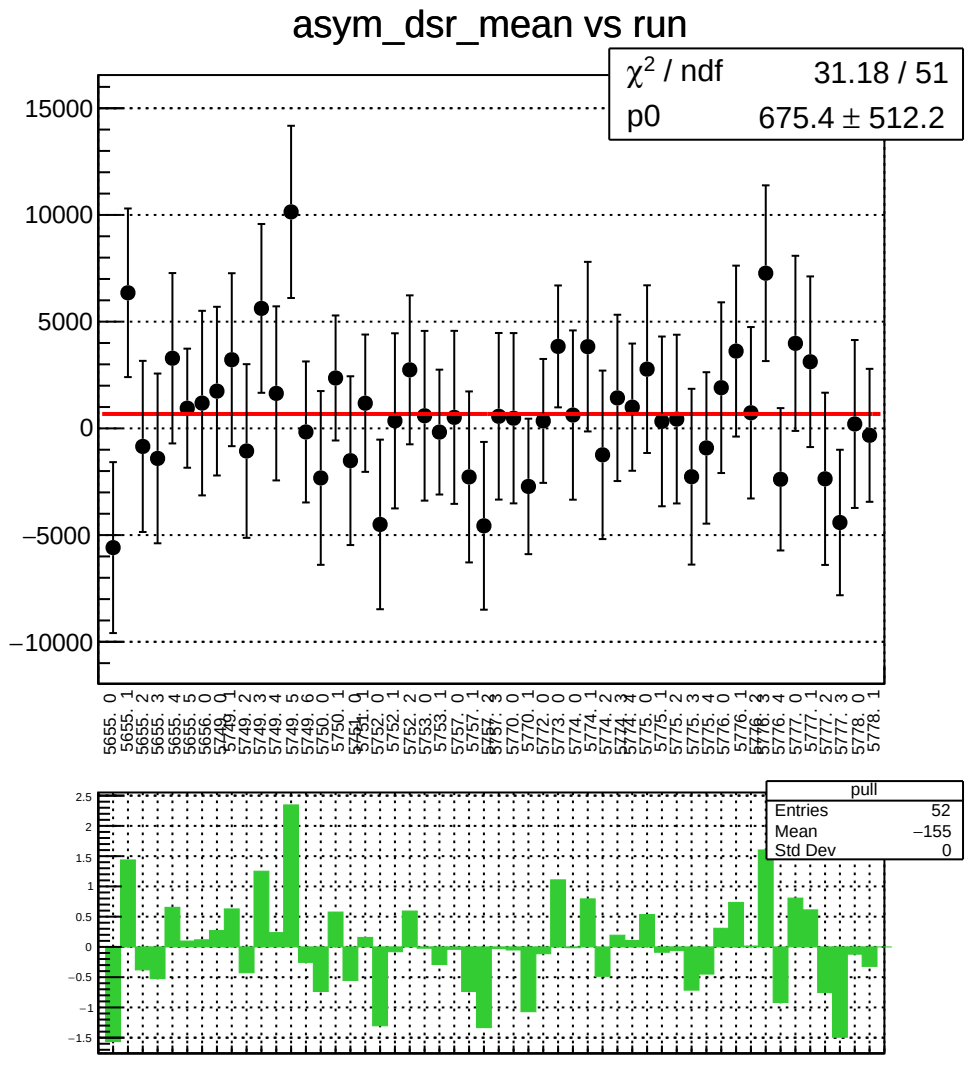

pull1D
Entries 52
Mean 0.06473
Std Dev 0.9135

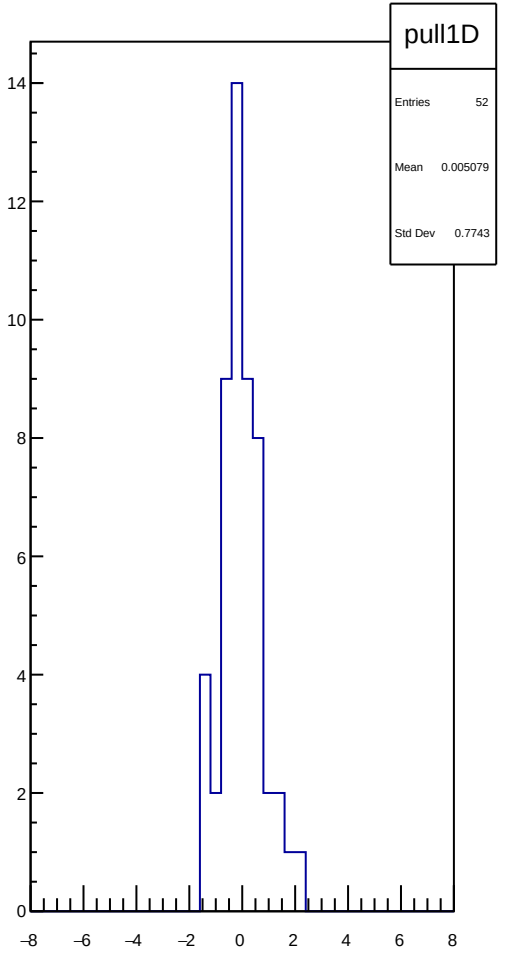

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 5.733e+04 / 51
p0 80.7 ± 0.07916
130
120
110
100
90
80
70
60
50
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

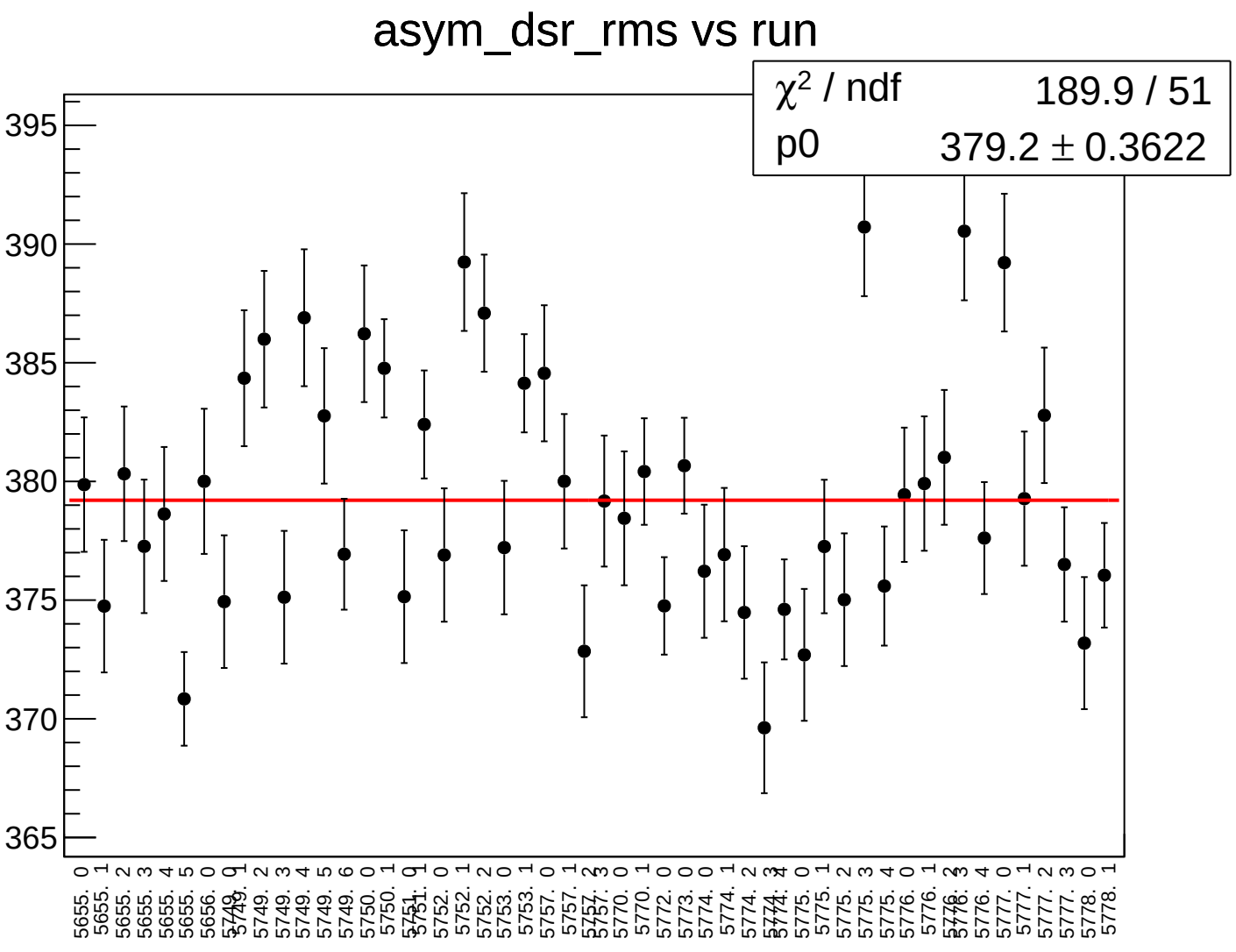

asym_dsl_mean vs run
χ² / ndf 68.17 / 51
p0 −31.06 ± 432.7
10000
5000
0
−5000
−10000
pull
Entries 52
Mean 572.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

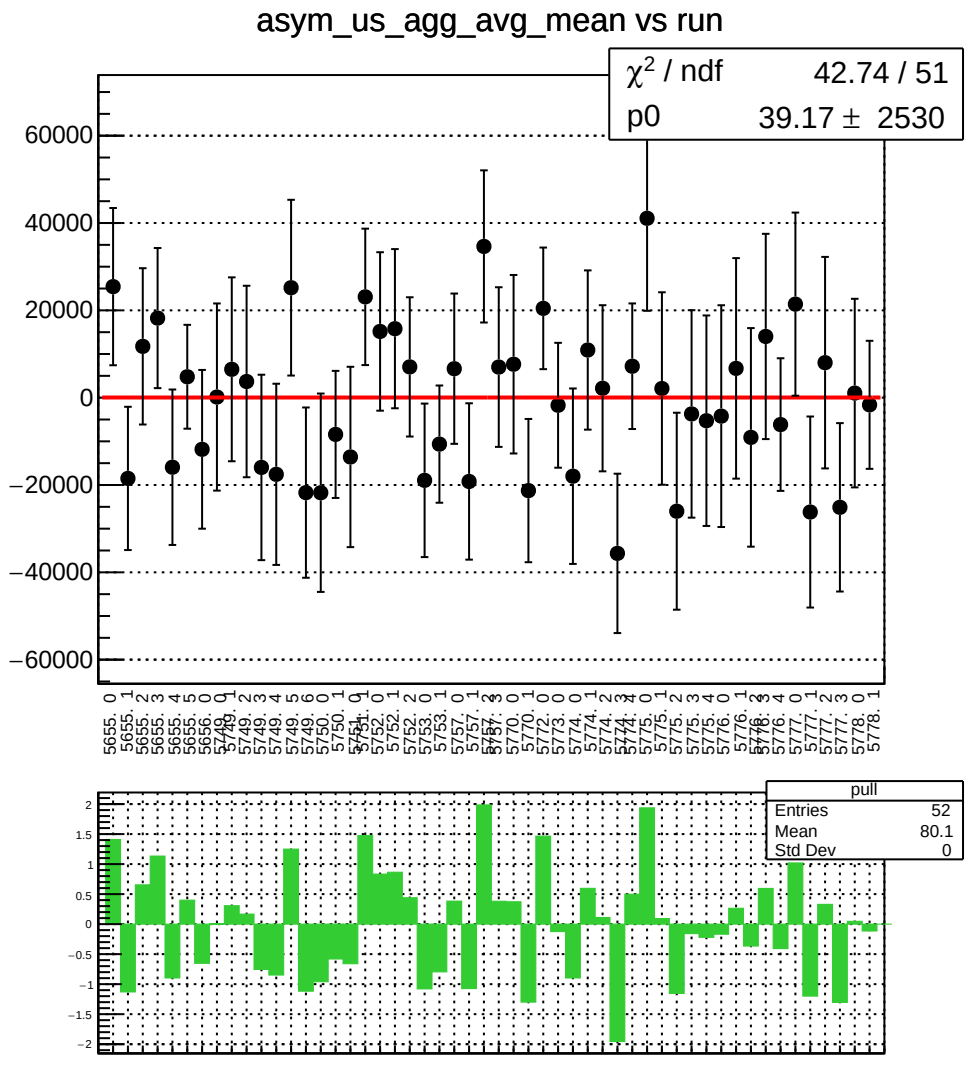

pull1D
Entries 52
Mean −0.008026
Std Dev 1.145
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

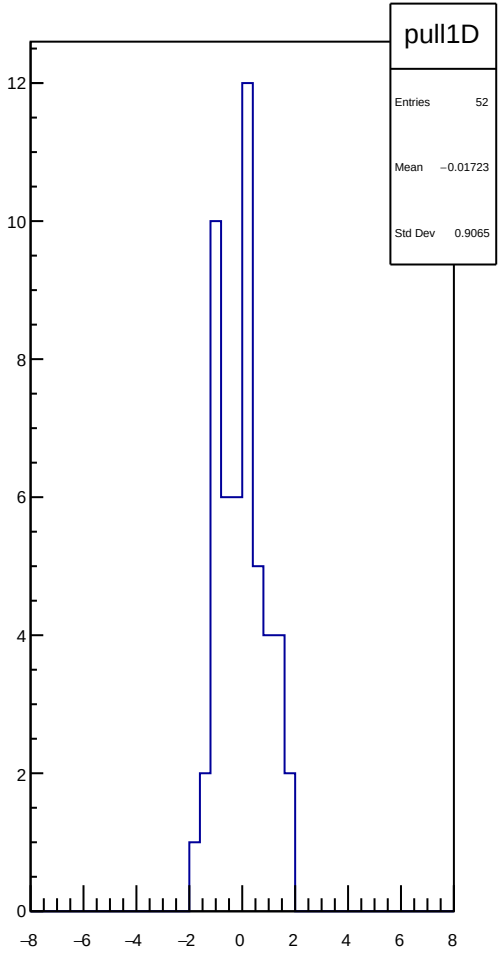

asym_dsl_rms vs run
χ^2 / ndf 91.49 / 51
p0 320.3 ± 0.3059
330
328
326
324
322
320
318
316
314
312
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

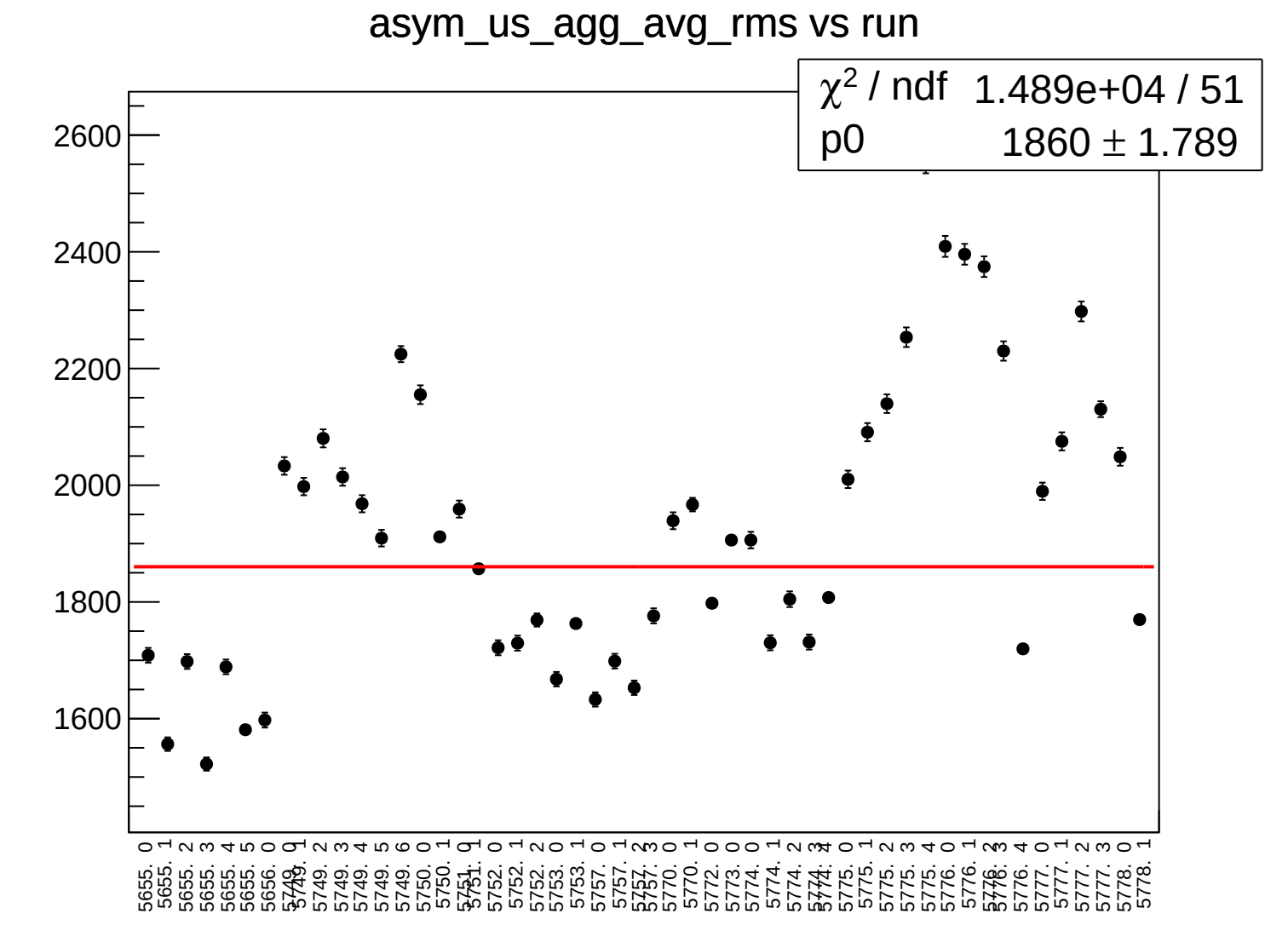

asym_dsr_mean vs run
χ² / ndf 31.18 / 51
p0 675.4 ± 512.2
15000
10000
5000
0
−5000
−10000
pull
Entries 52
Mean −155
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

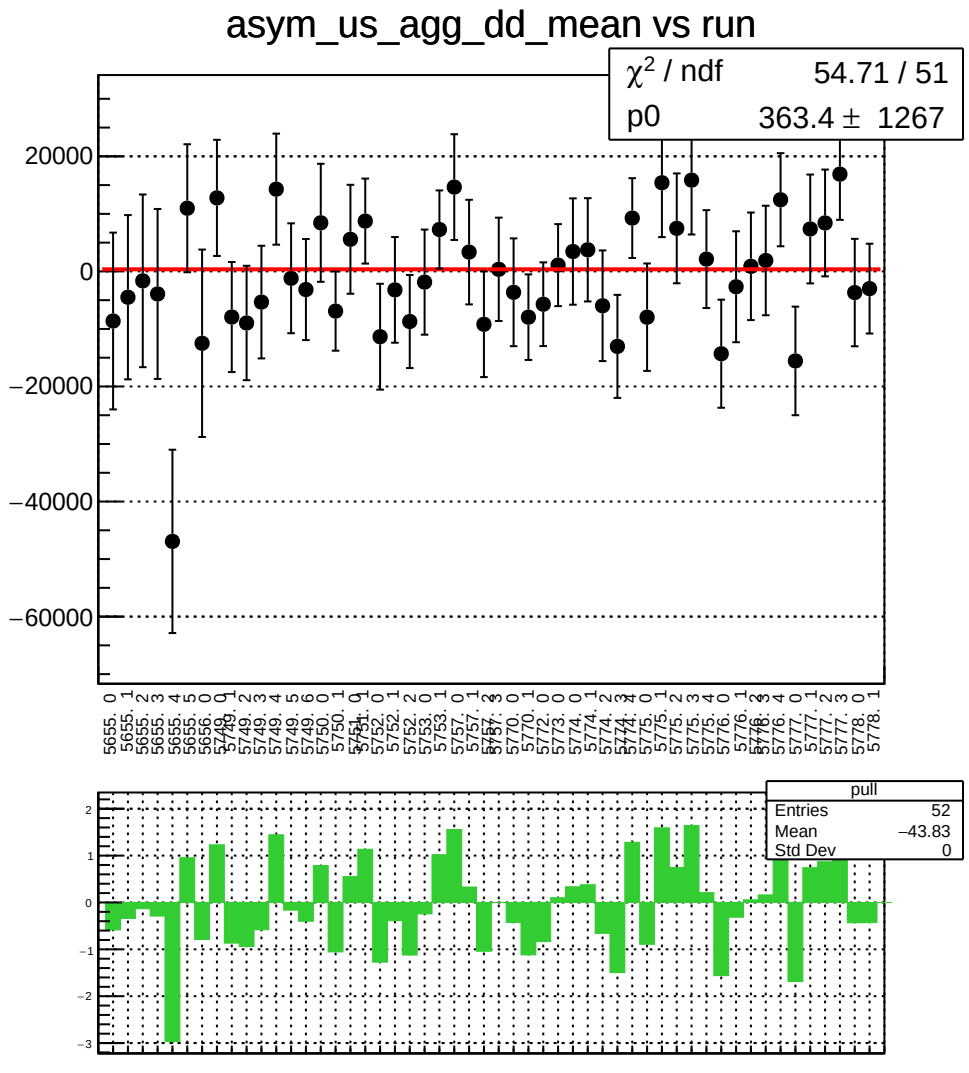

pull1D
Entries 52
Mean 0.005079
Std Dev 0.7743
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

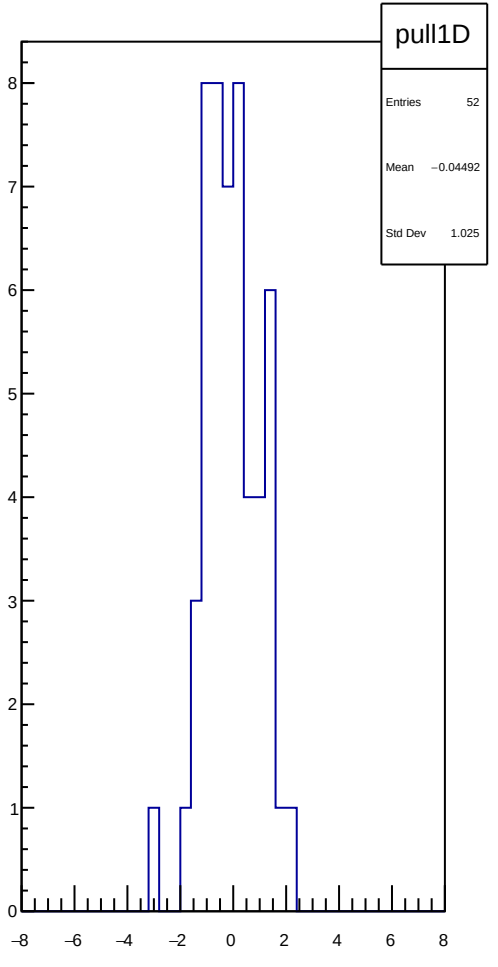

asym_dsr_rms vs run
χ^2 / ndf 189.9 / 51
p0 379.2 ± 0.3622
395
390
385
380
375
370
365
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

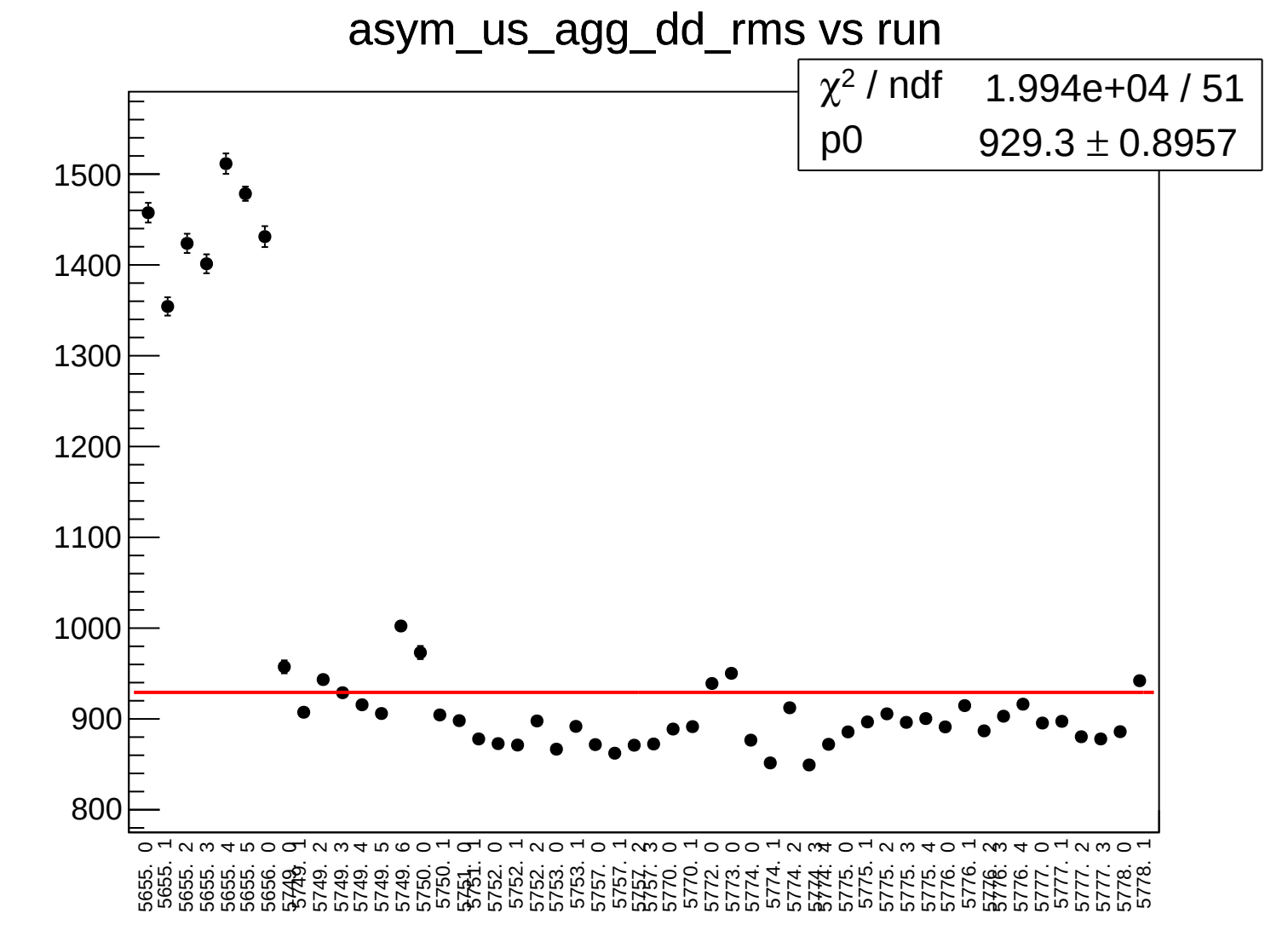

asym_us_agg_avg_mean vs run
χ² / ndf 42.74 / 51
p0 39.17 ± 2530
pull
Entries 52
Mean 80.1
Std Dev 0

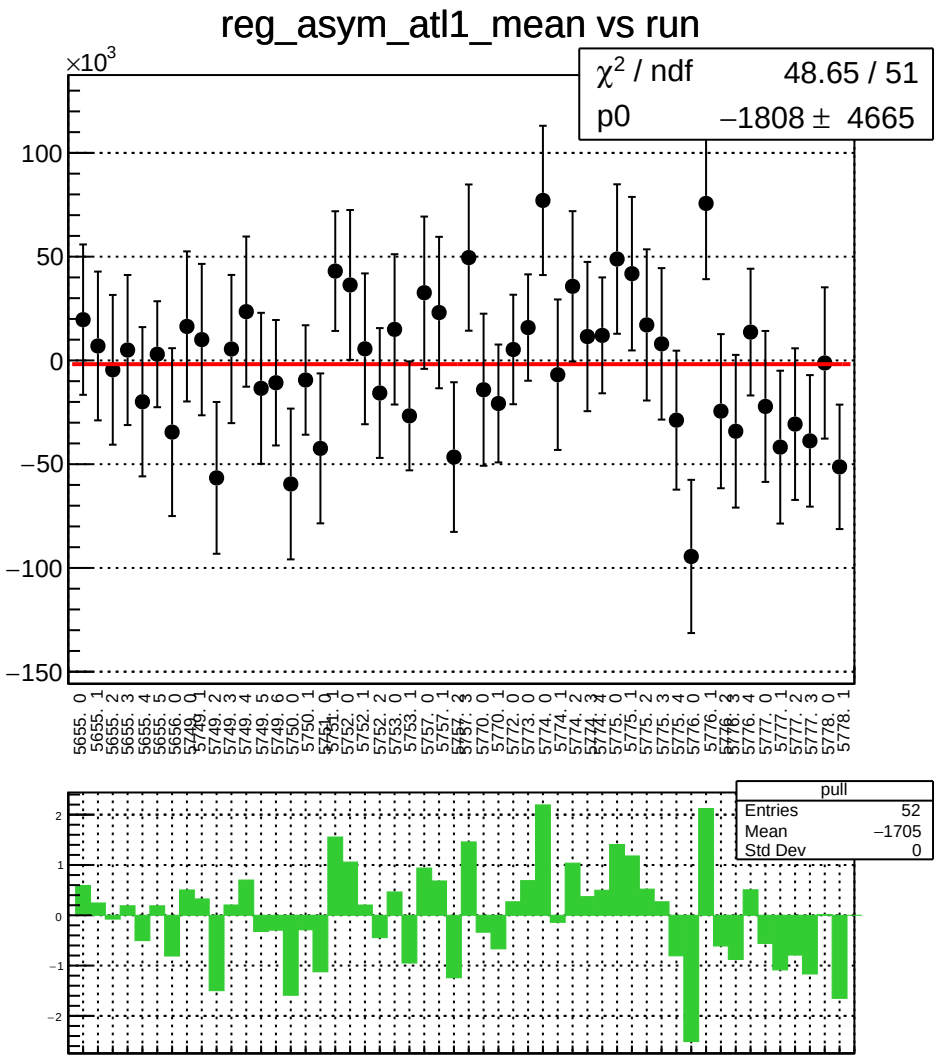

pull1D
Entries 52
Mean −0.01723
Std Dev 0.9065

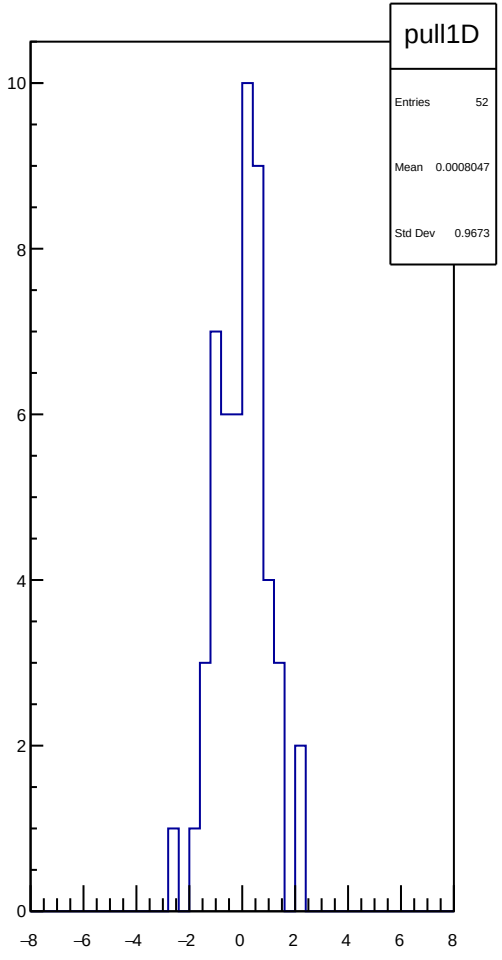

asym_us_agg_avg_rms vs run
χ² / ndf 1.489e+04 / 51
p0 1860 ± 1.789
2600
2400
2200
2000
1800
1600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

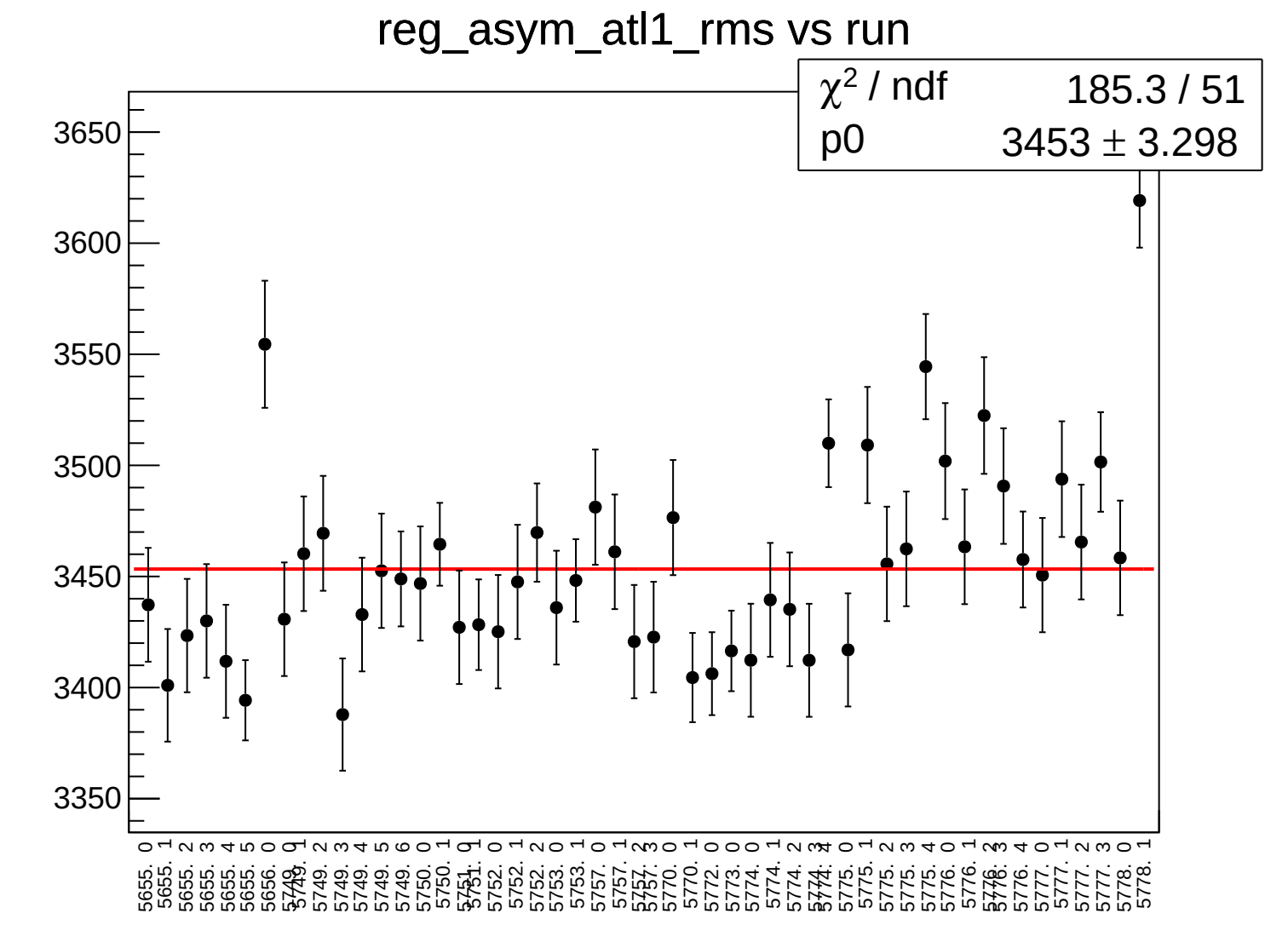

asym_us_agg_dd_mean vs run
χ² / ndf 54.71 / 51
p0 363.4 ± 1267
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −43.83
Std Dev 0
2
1
0
−1
−2
−3

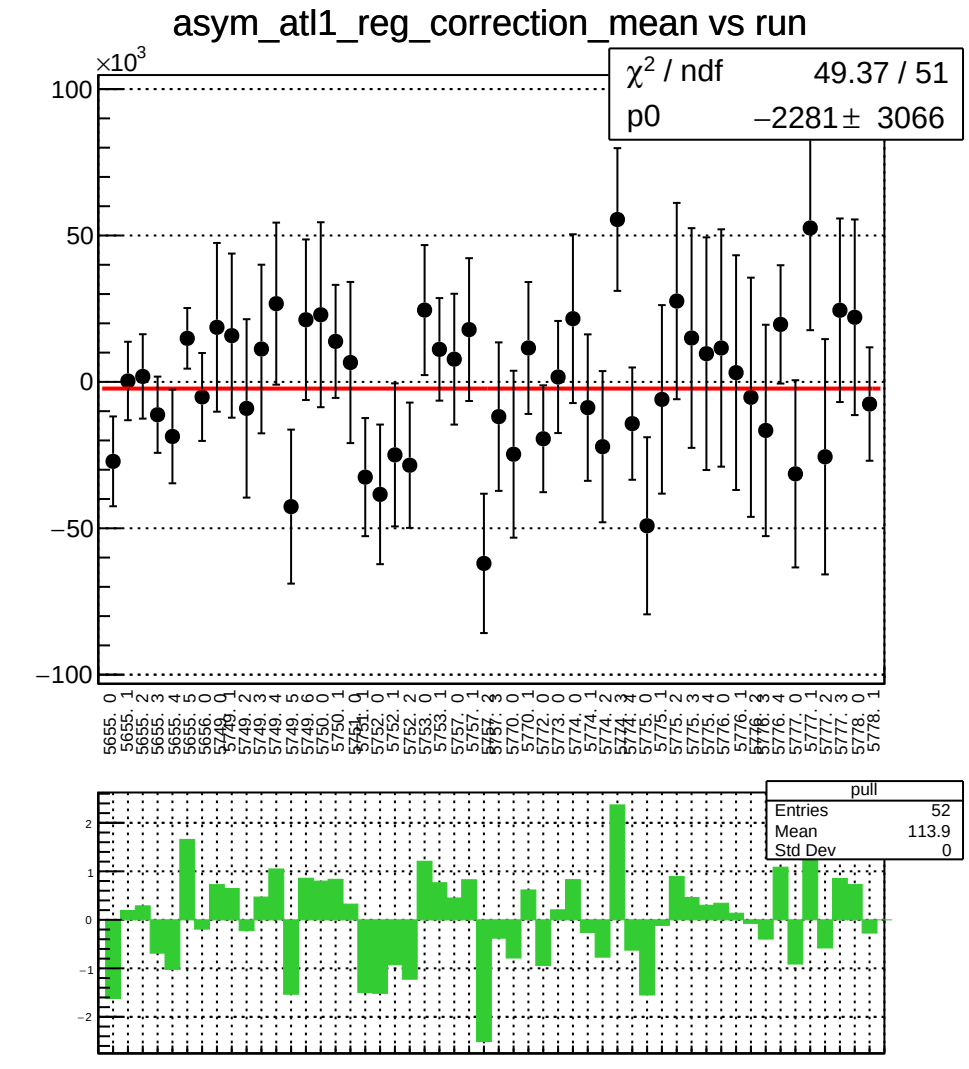

pull1D
Entries 52
Mean −0.04492
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

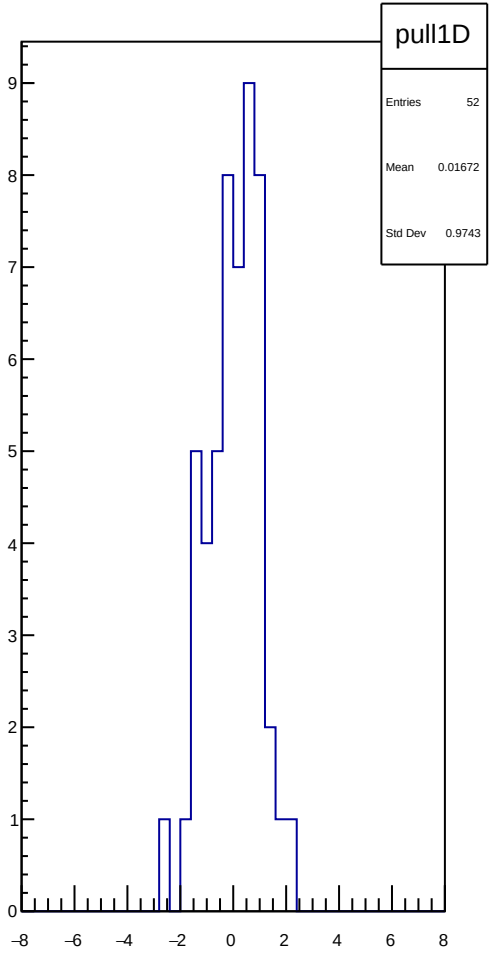

asym_us_agg_dd_rms vs run
χ² / ndf 1.994e+04 / 51
p0 929.3 ± 0.8957
1500
1400
1300
1200
1100
1000
900
800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

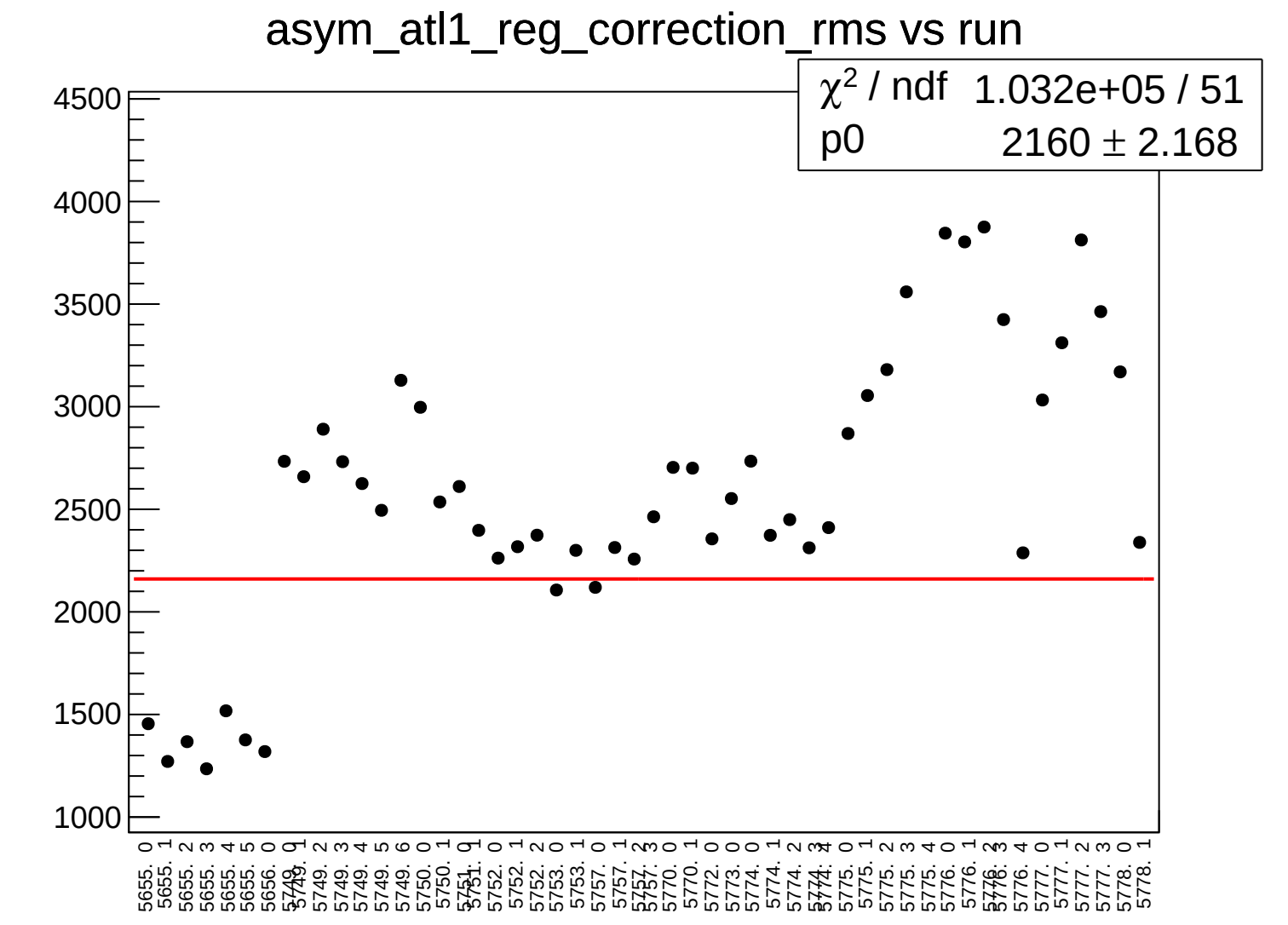

reg_asym_atl1_mean vs run
×10^3
χ² / ndf 48.65 / 51
p0 −1808 ± 4665
100
50
0
−50
−100
−150
pull
Entries 52
Mean −1705
Std Dev 0
2
1
0
−1
−2

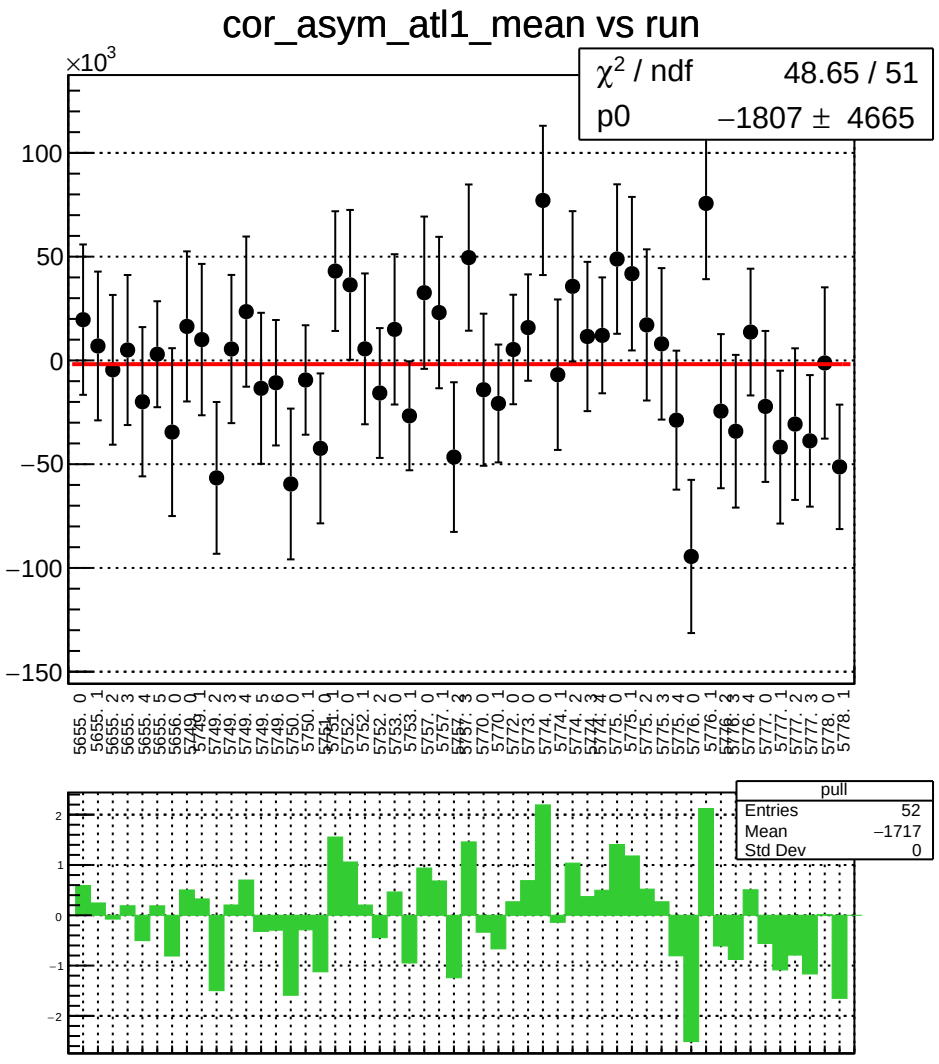

pull1D
Entries 52
Mean 0.0008047
Std Dev 0.9673
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

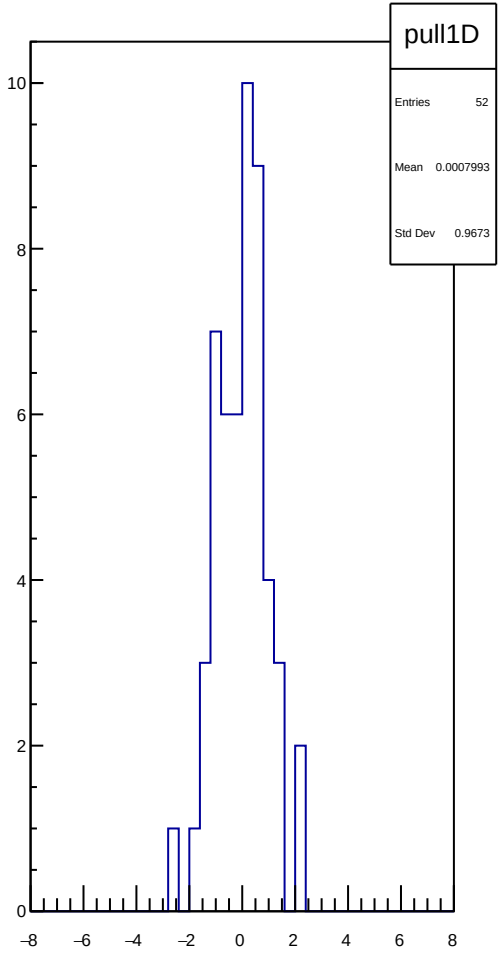

reg_asym_atl1_rms vs run
χ² / ndf 185.3 / 51
p0 3453 ± 3.298
3650
3600
3550
3500
3450
3400
3350
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

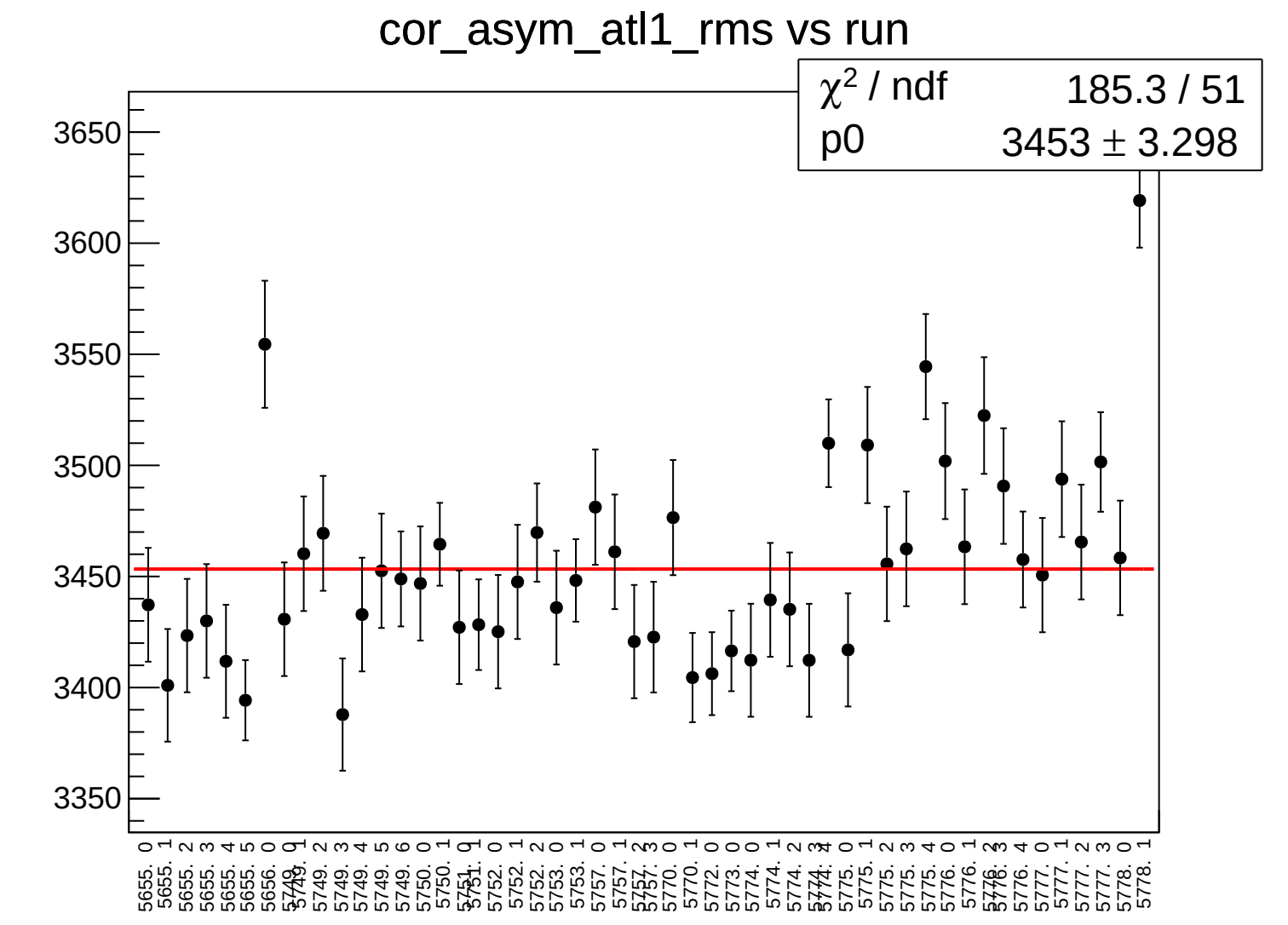

asym_atl1_reg_correction_mean vs run
×10^3
χ² / ndf 49.37 / 51
p0 −2281 ± 3066
100
50
0
−50
−100
pull
Entries 52
Mean 113.9
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01672
Std Dev 0.9743
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1_reg_correction_rms vs run
χ² / ndf 1.032e+05 / 51
p0 2160 ± 2.168
4500
4000
3500
3000
2500
2000
1500
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_atl1_mean vs run
×10^3
χ² / ndf 48.65 / 51
p0 −1807 ± 4665
100
50
0
−50
−100
−150
pull
Entries 52
Mean −1717
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.0007993
Std Dev 0.9673
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atl1_rms vs run
χ^2 / ndf 185.3 / 51
p0 3453 ± 3.298
3650
3600
3550
3500
3450
3400
3350
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5749. 6
5750. 0
5750. 1
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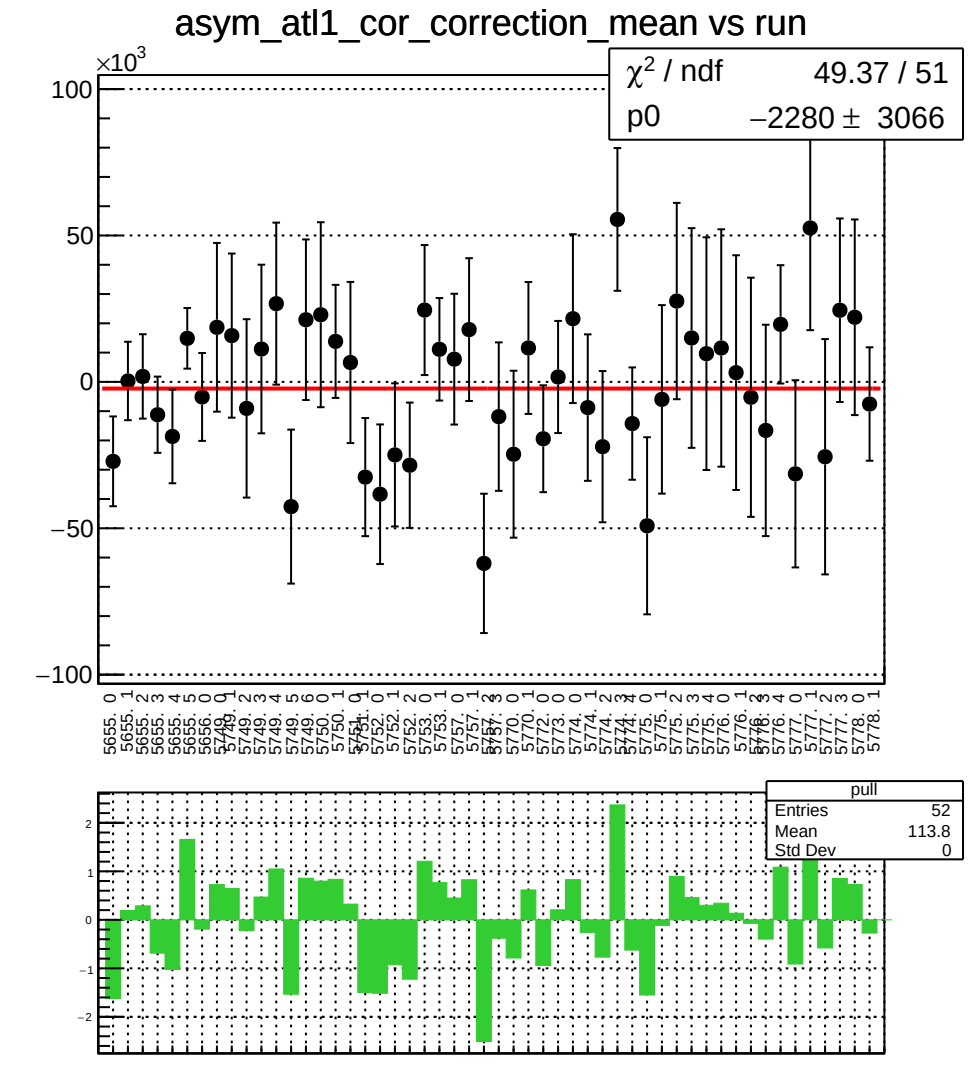
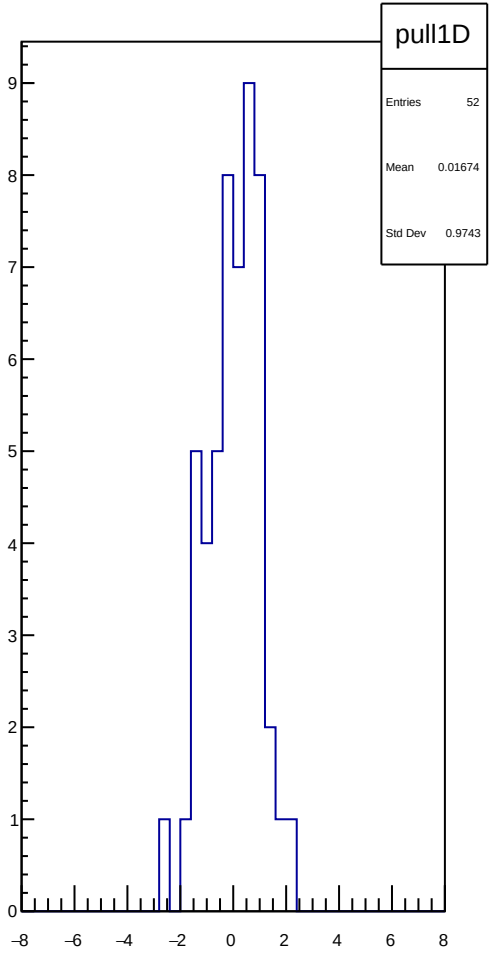
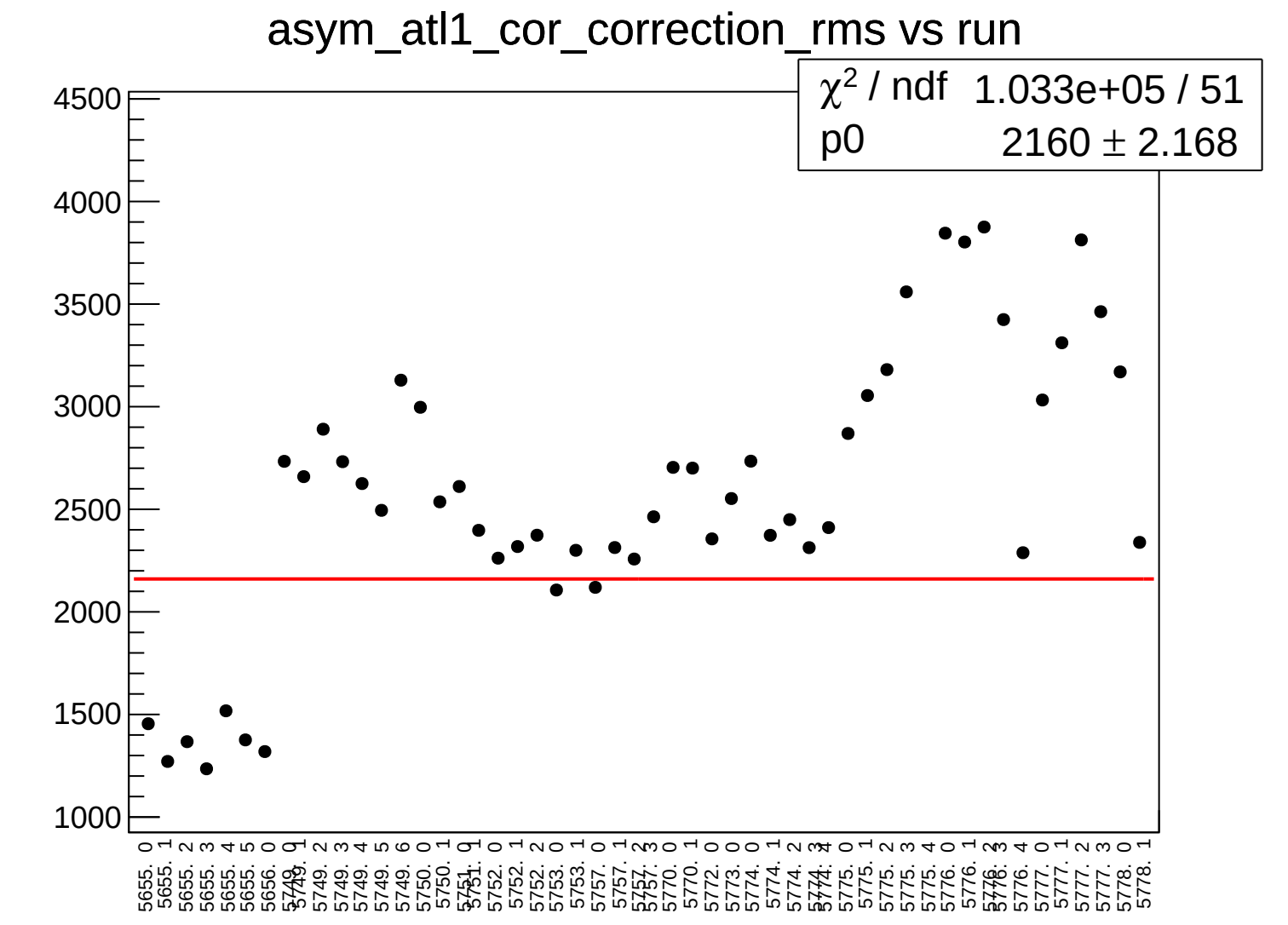
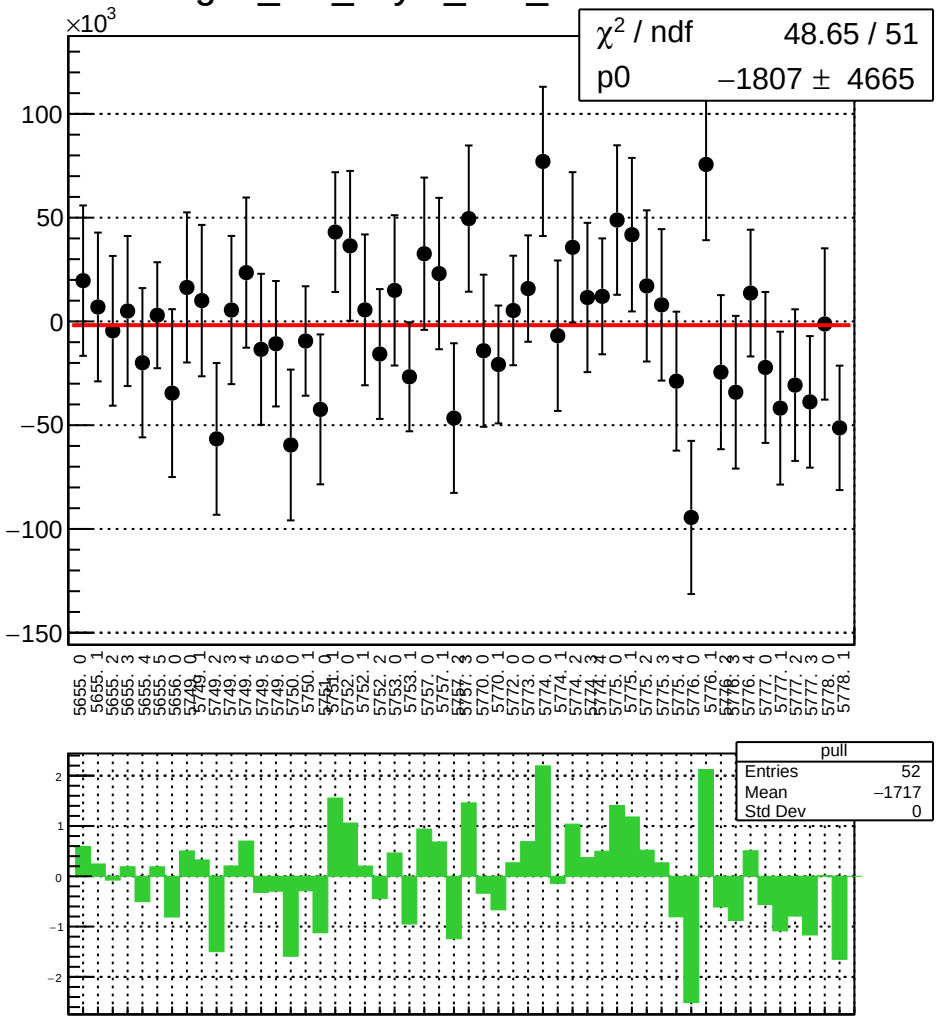
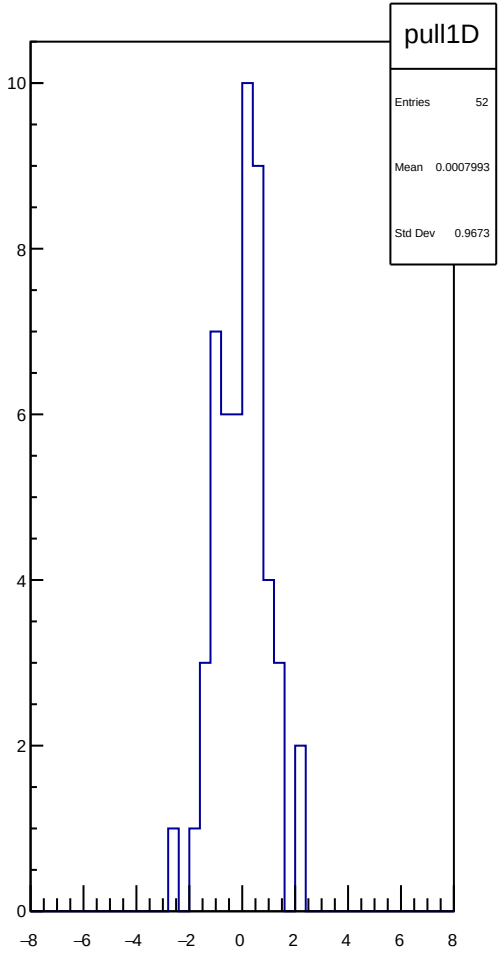
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

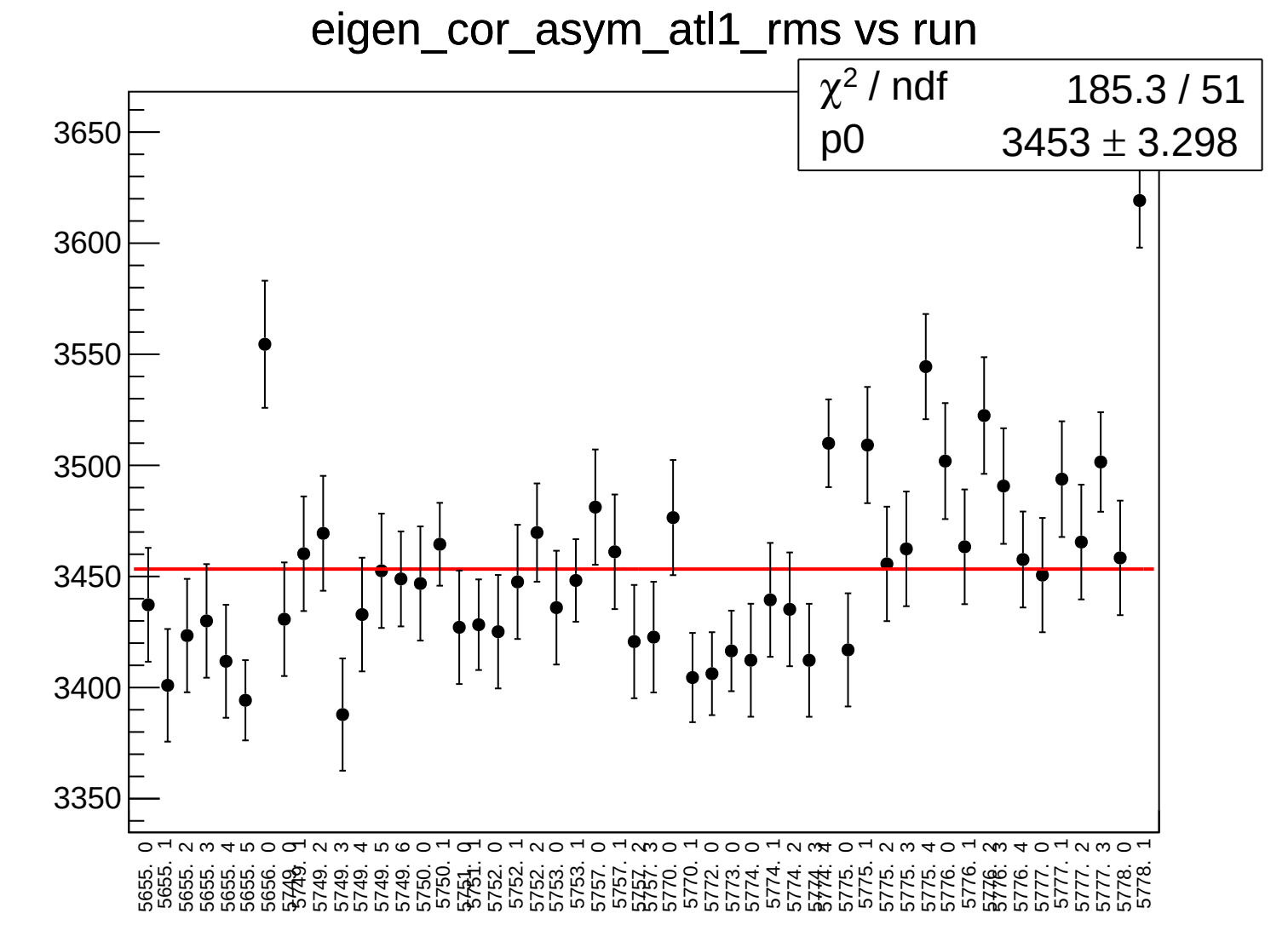

asym_atl1_cor_correction_mean vs run
×10^3
χ² / ndf 49.37 / 51
p0 −2280 ± 3066
100
50
0
−50
−100
pull
Entries 52
Mean 113.8
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01674
Std Dev 0.9743
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1_cor_correction_rms vs run
χ² / ndf 1.033e+05 / 51
p0 2160 ± 2.168
4500
4000
3500
3000
2500
2000
1500
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_atl1_mean vs run
χ² / ndf 48.65 / 51
p0 −1807 ± 4665
pull
Entries 52
Mean −1717
Std Dev 0


pull1D
Entries 52
Mean 0.0007993
Std Dev 0.9673


eigen_cor_asym_atl1_rms vs run
χ² / ndf 185.3 / 51
p0 3453 ± 3.298
3650
3600
3550
3500
3450
3400
3350
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5749. 6
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5750. 1
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5751. 1
5752. 0
5752. 1
5752. 2
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5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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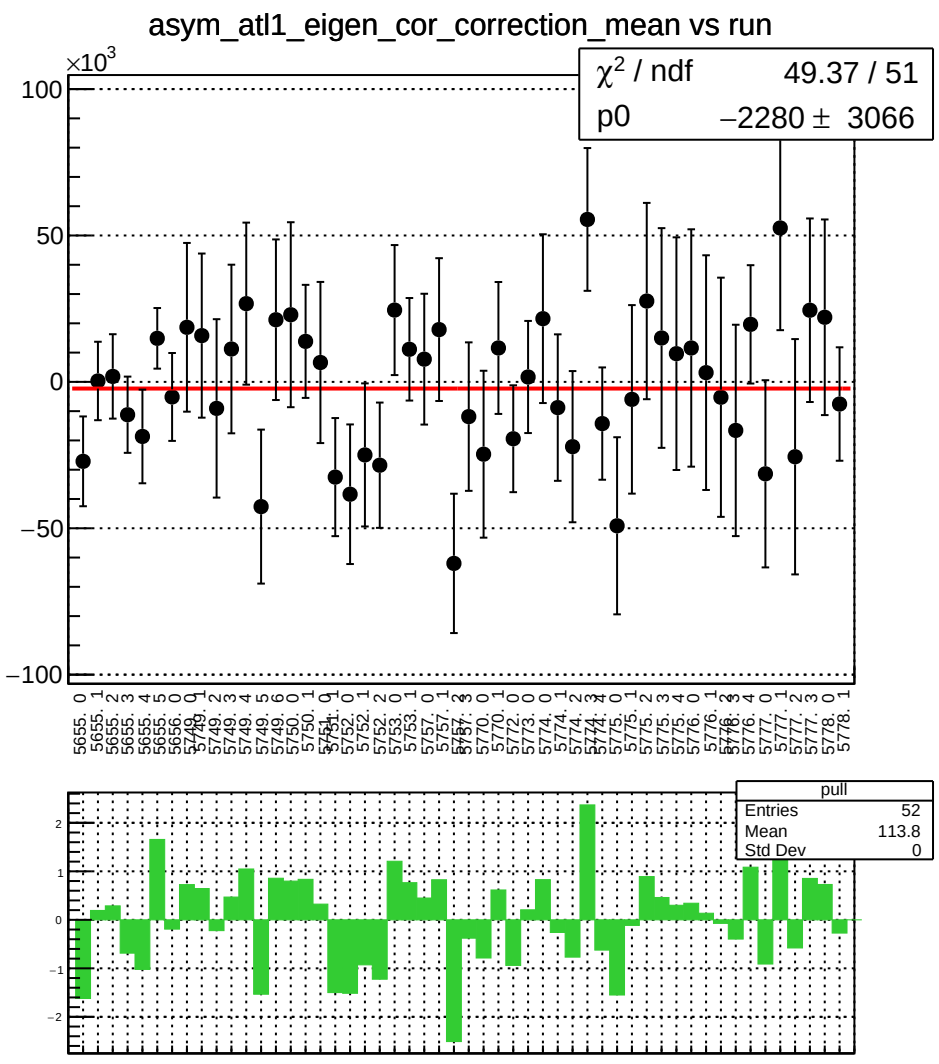
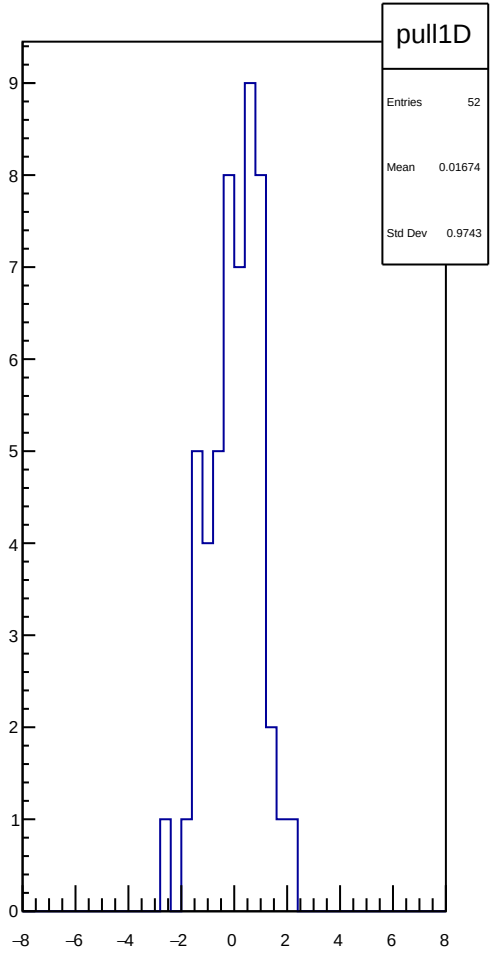
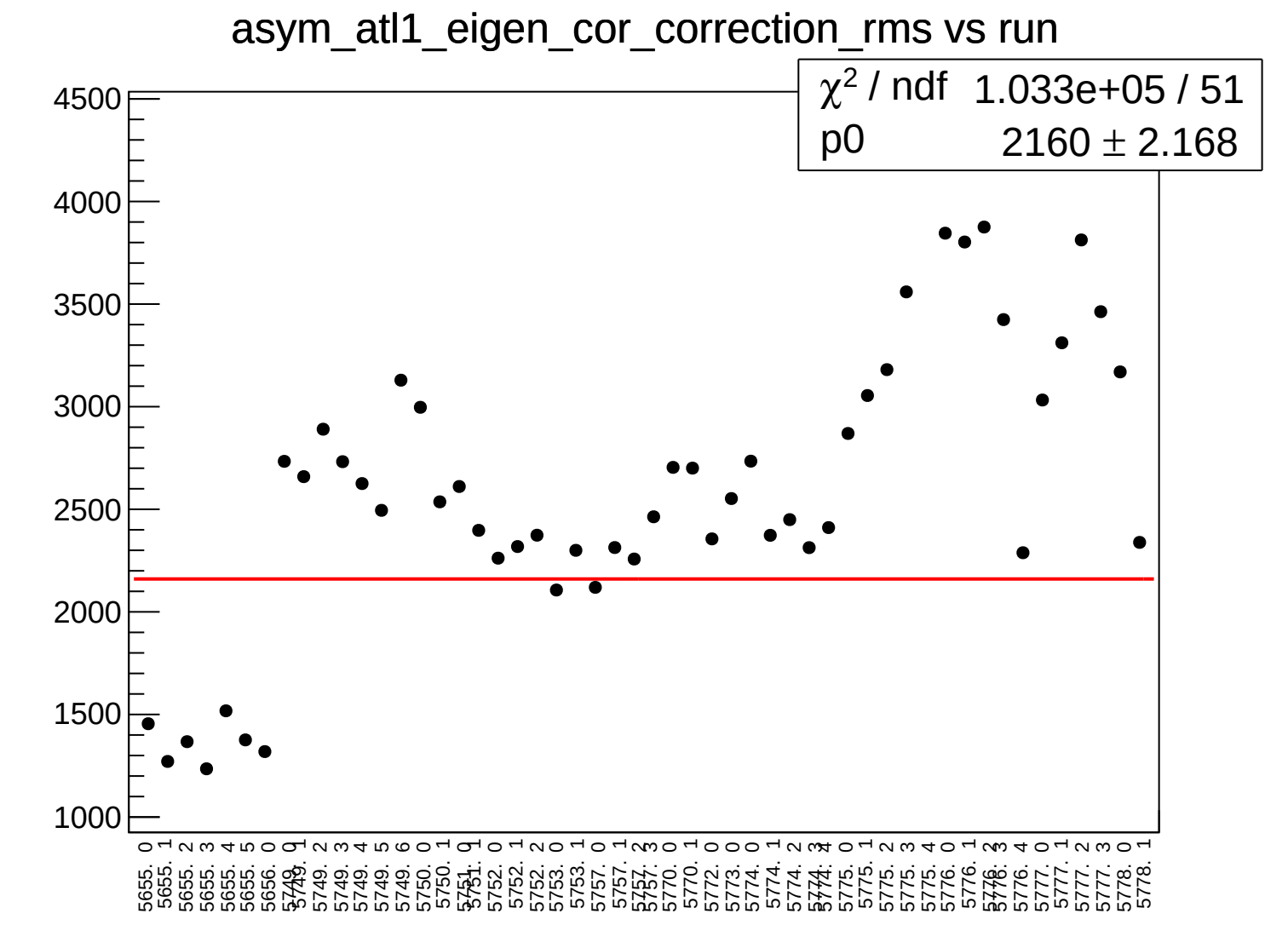
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl1_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 49.37 / 51
p0 −2280 ± 3066
100
50
0
−50
−100
pull
Entries 52
Mean 113.8
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01674
Std Dev 0.9743
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1_eigen_cor_correction_rms vs run
χ² / ndf 1.033e+05 / 51
p0 2160 ± 2.168
4500
4000
3500
3000
2500
2000
1500
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5750. 1
5751. 0
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5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
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5777. 0
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5777. 2
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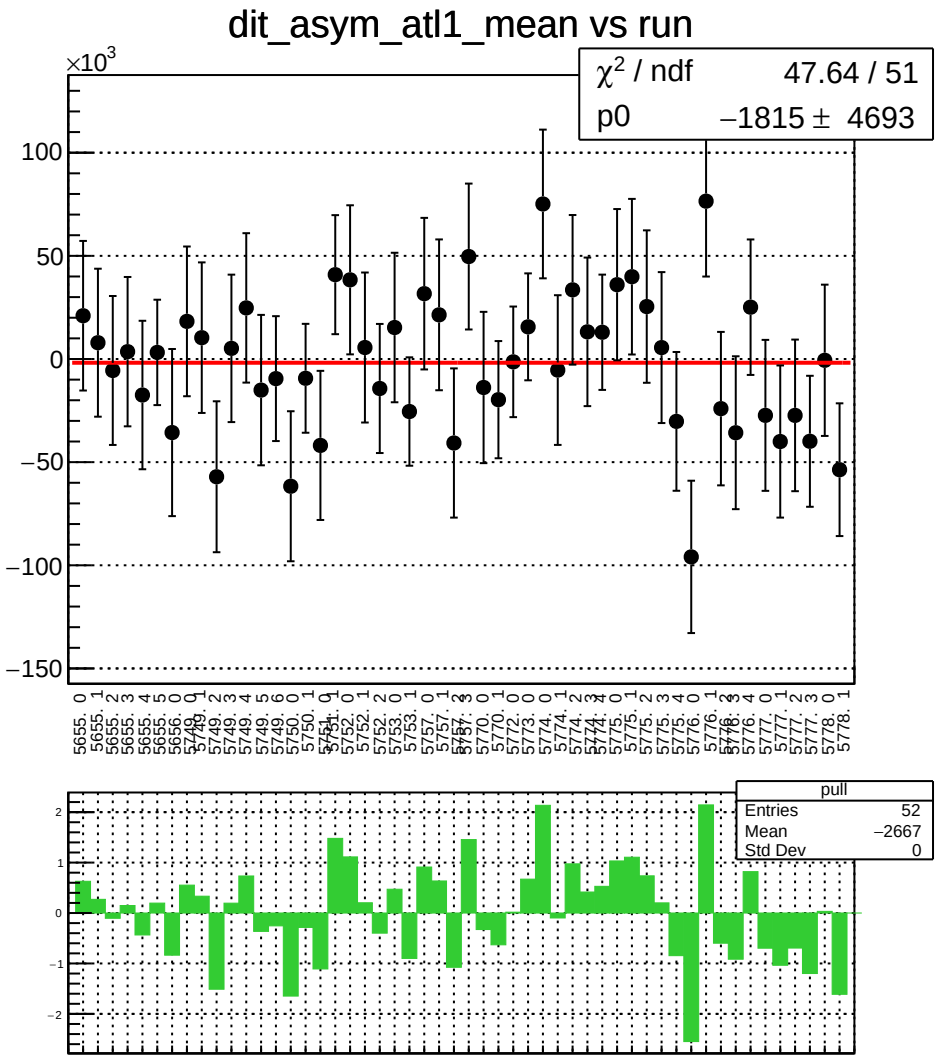
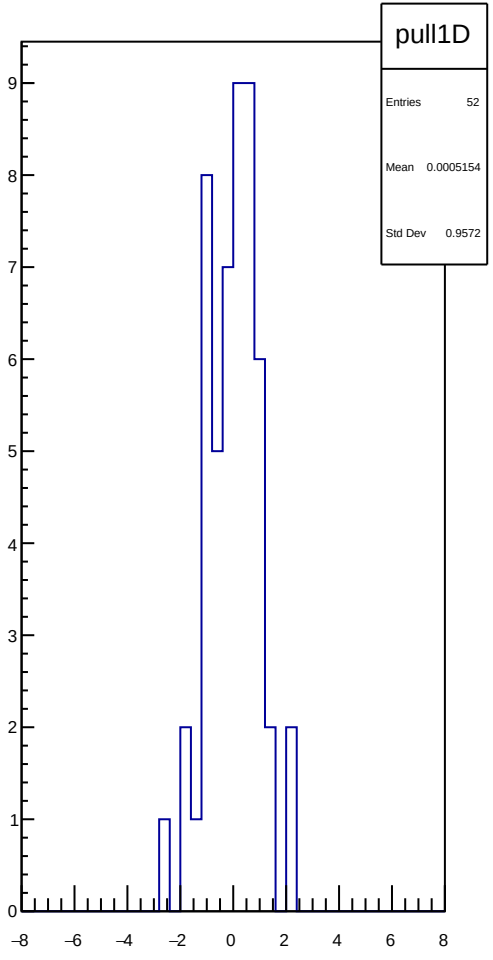
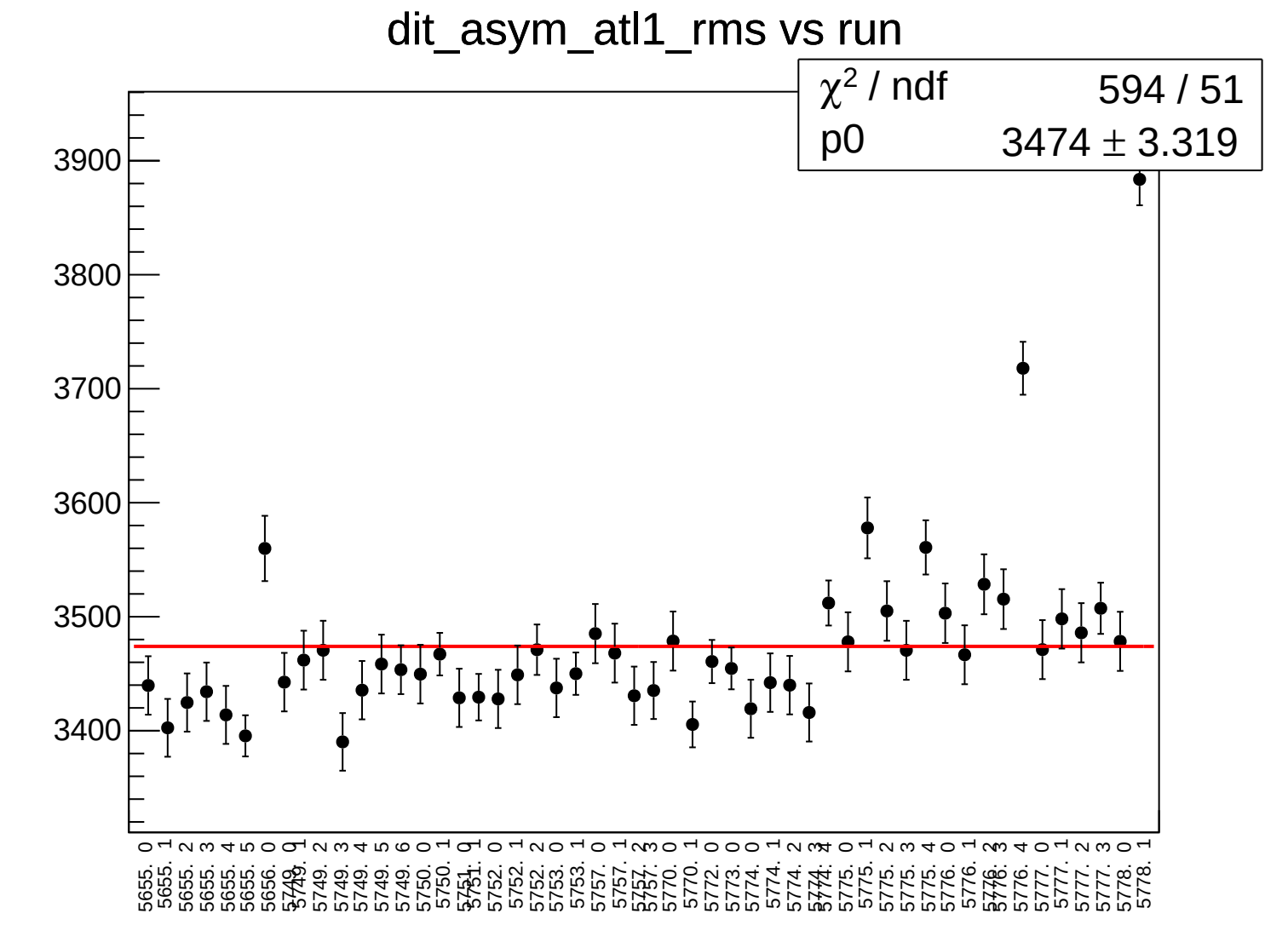
5778. 0
5778. 1


dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 47.64 / 51
p0 −1815 ± 4693
100
50
0
−50
−100
−150
pull
Entries 52
Mean −2667
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.0005154
Std Dev 0.9572
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atl1_rms vs run
χ² / ndf 594 / 51
p0 3474 ± 3.319
3900
3800
3700
3600
3500
3400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5751. 0
5751. 1
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5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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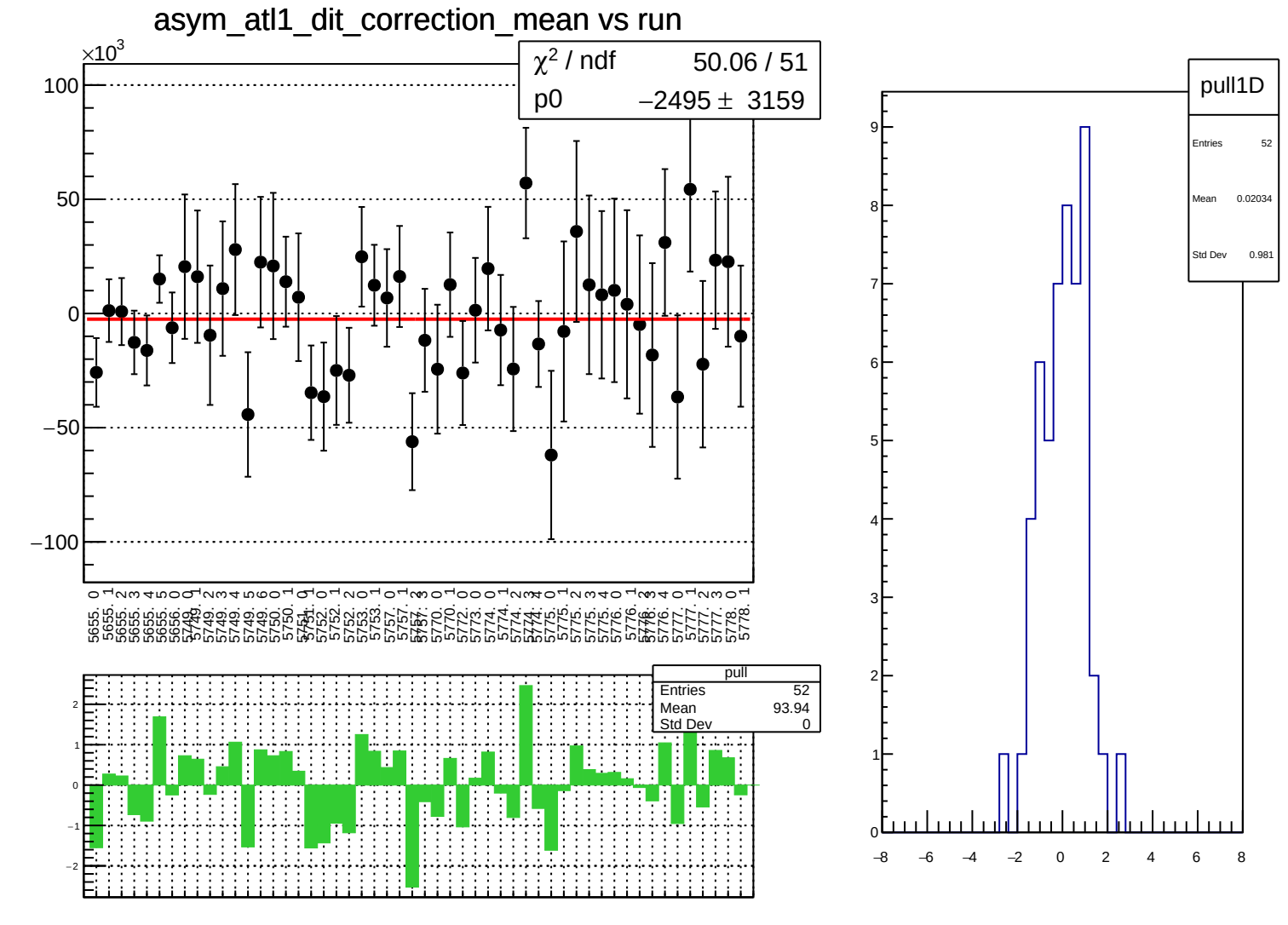
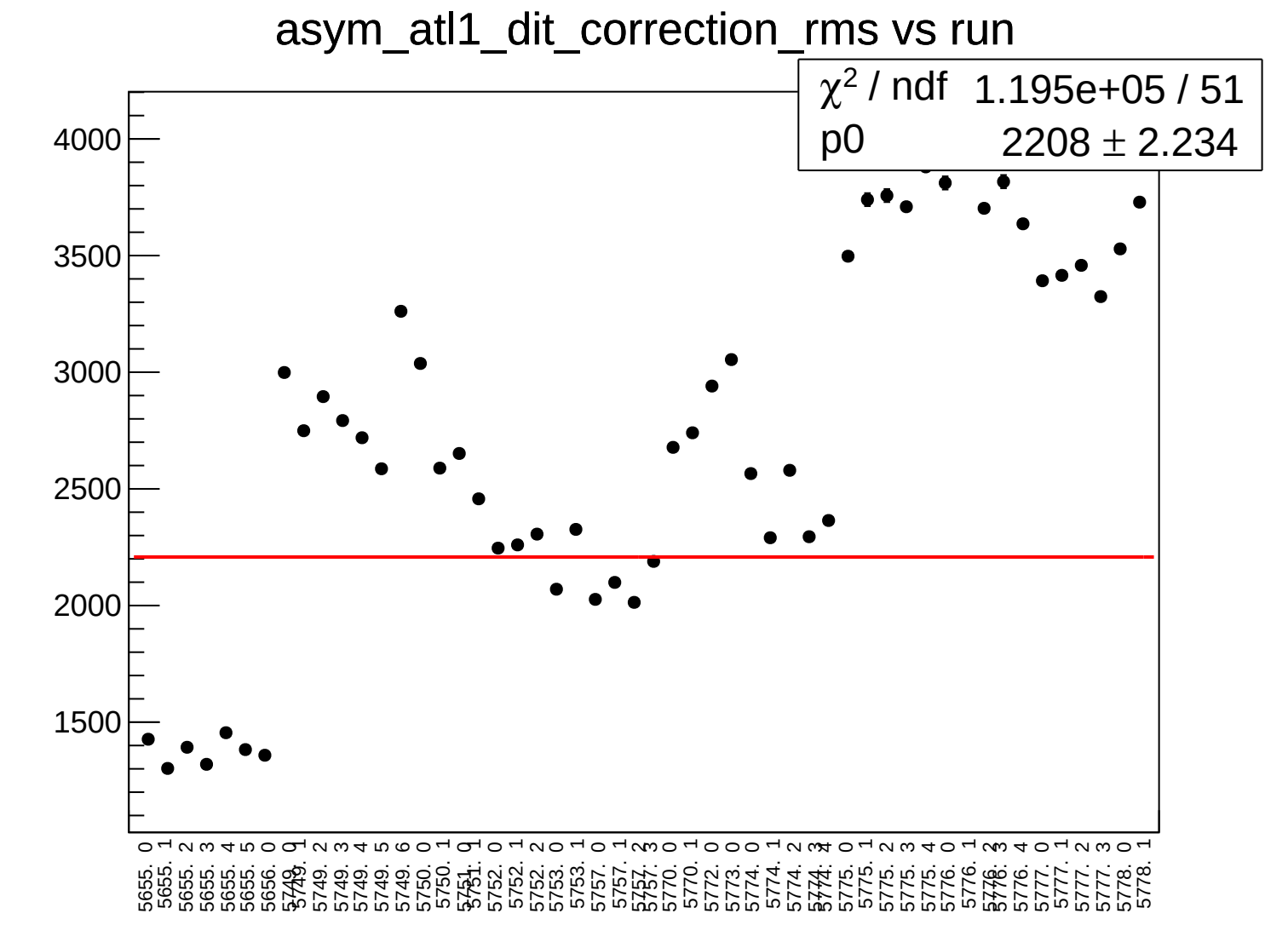

asym_atl1_dit_correction_mean vs run
×10^3
χ² / ndf 50.06 / 51
p0 −2495 ± 3159
100
50
0
−50
−100
pull
Entries 52
Mean 93.94
Std Dev 0
pull1D
Entries 52
Mean 0.02034
Std Dev 0.981


asym_atl1_dit_correction_rms vs run
χ² / ndf 1.195e+05 / 51
p0 2208 ± 2.234
4000
3500
3000
2500
2000
1500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
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5757. 3
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5774. 2
5774. 3
5774. 4
5775. 0
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5775. 3
5775. 4
5776. 0
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5776. 3
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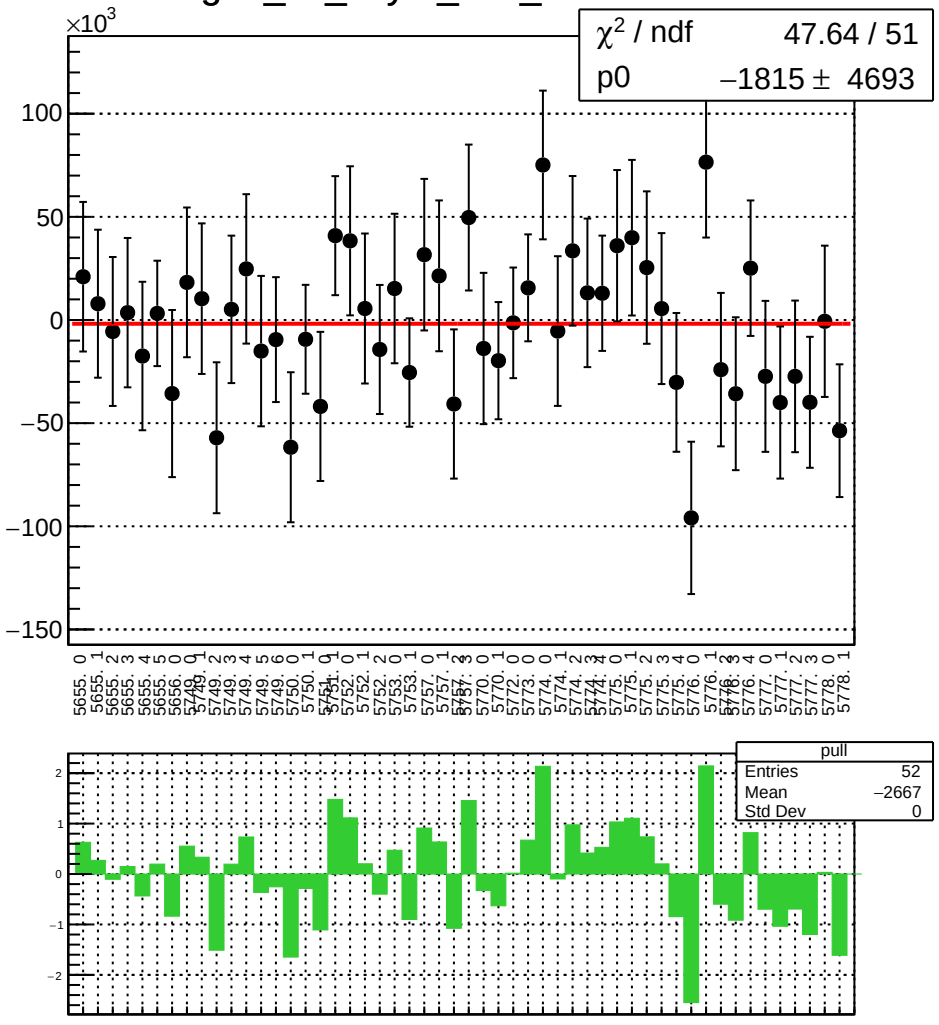
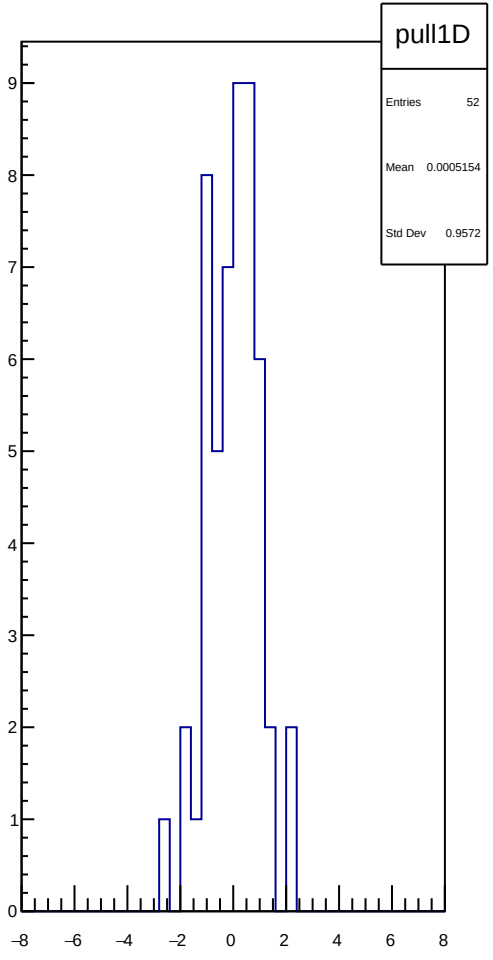
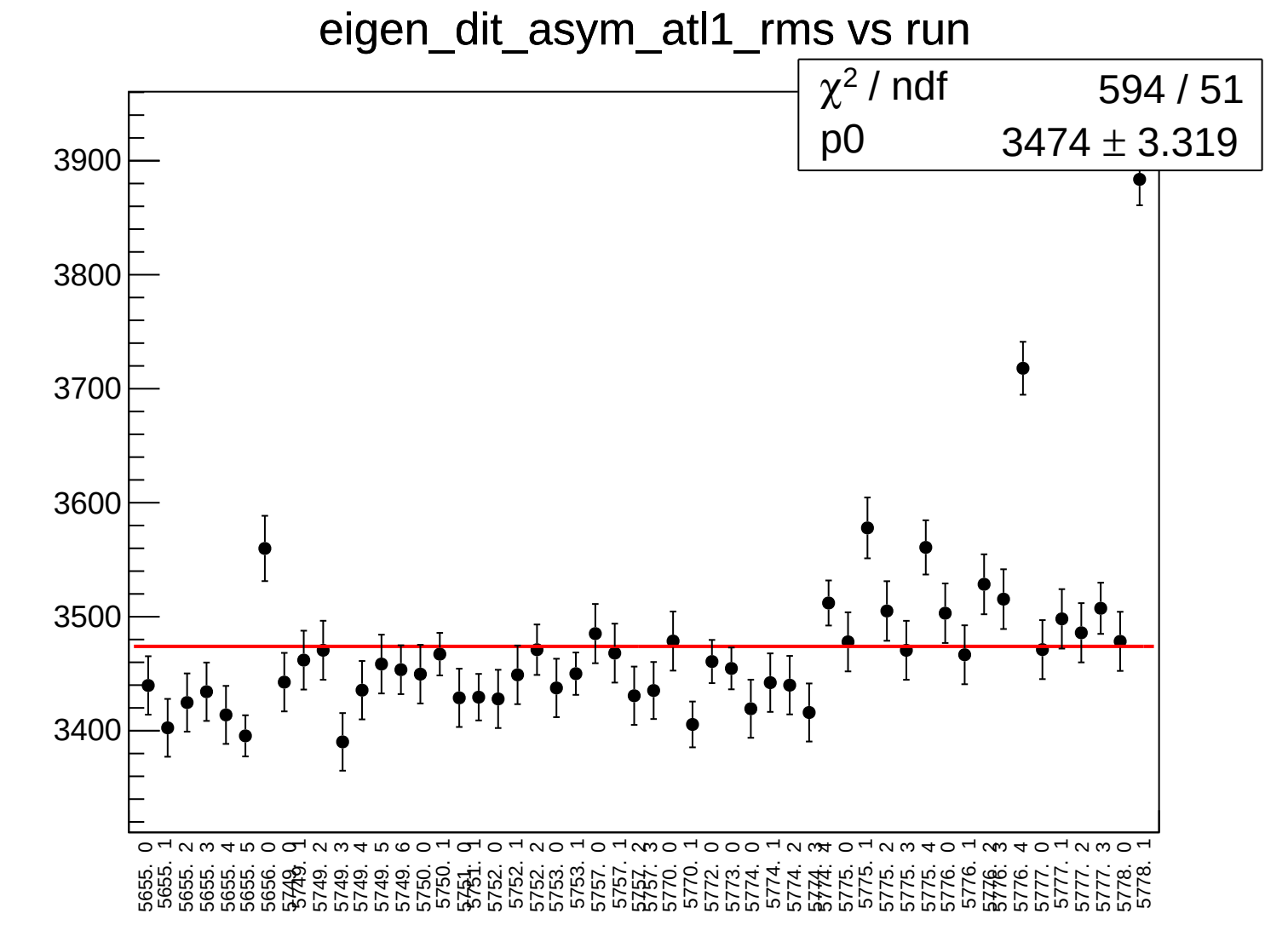
5778. 1


eigen_dit_asym_atl1_mean vs run
×10^3
χ² / ndf 47.64 / 51
p0 −1815 ± 4693
100
50
0
−50
−100
−150
pull
Entries 52
Mean −2667
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.0005154
Std Dev 0.9572
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atl1_rms vs run
χ² / ndf 594 / 51
p0 3474 ± 3.319
3900
3800
3700
3600
3500
3400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5752. 1
5752. 2
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5753. 1
5757. 0
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5774. 1
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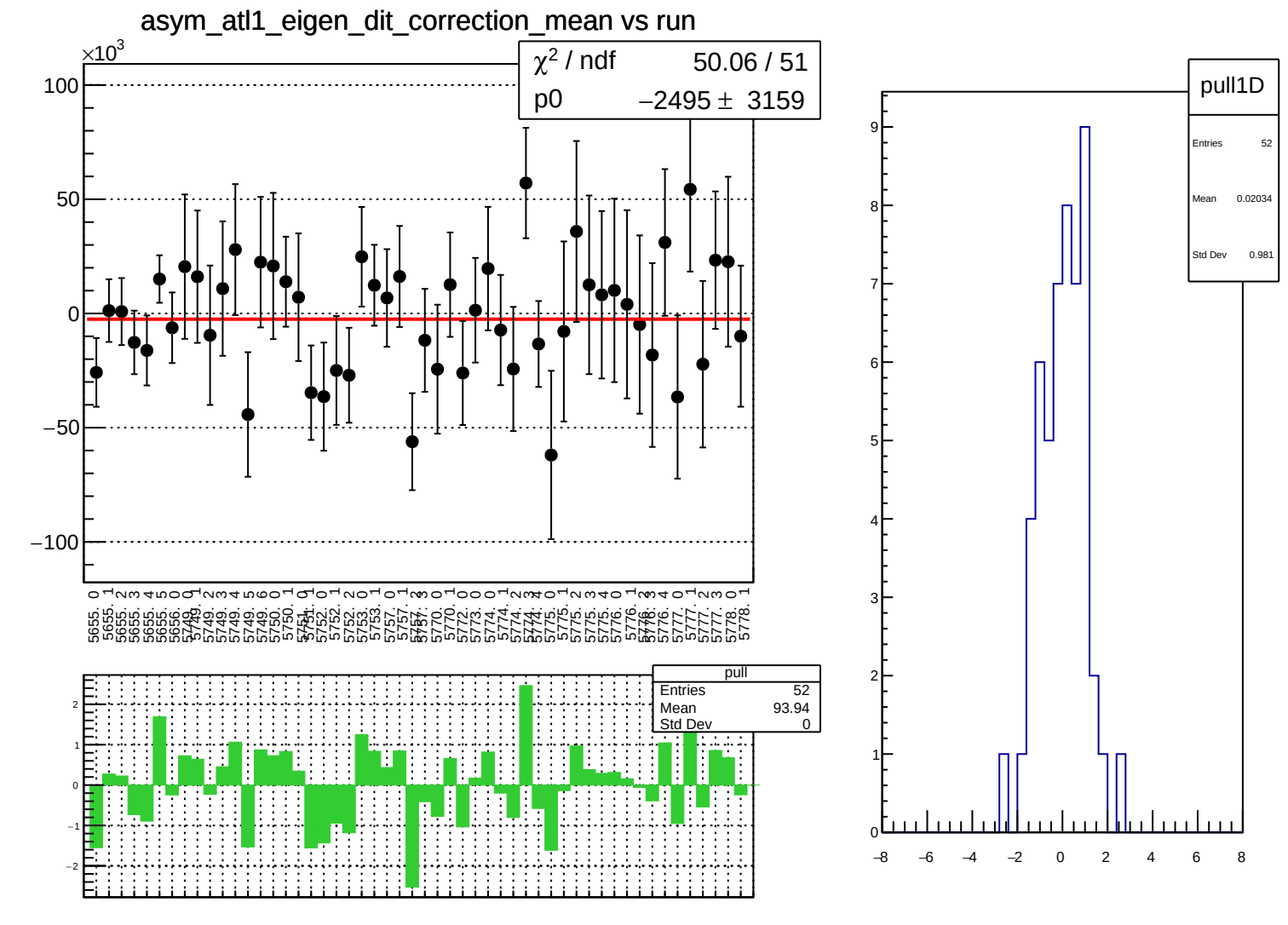
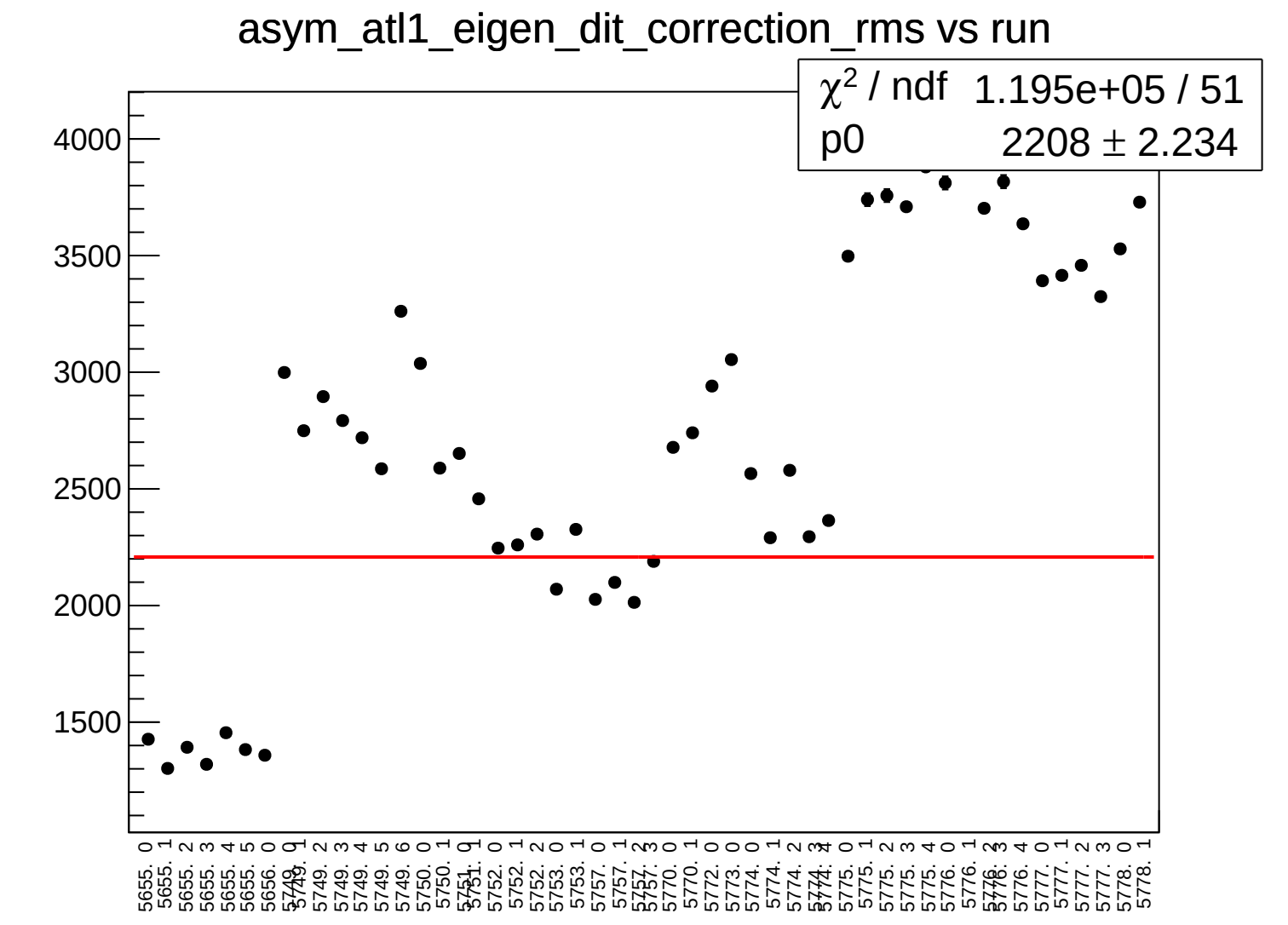
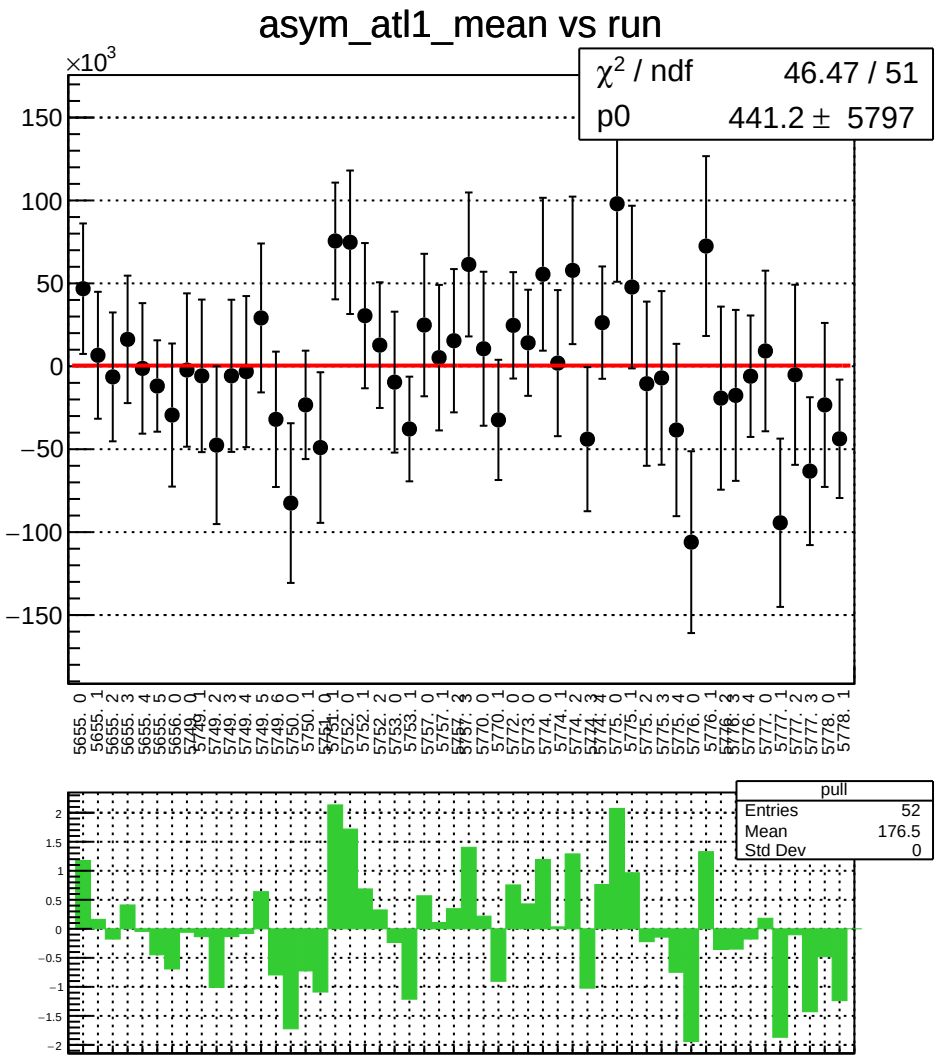
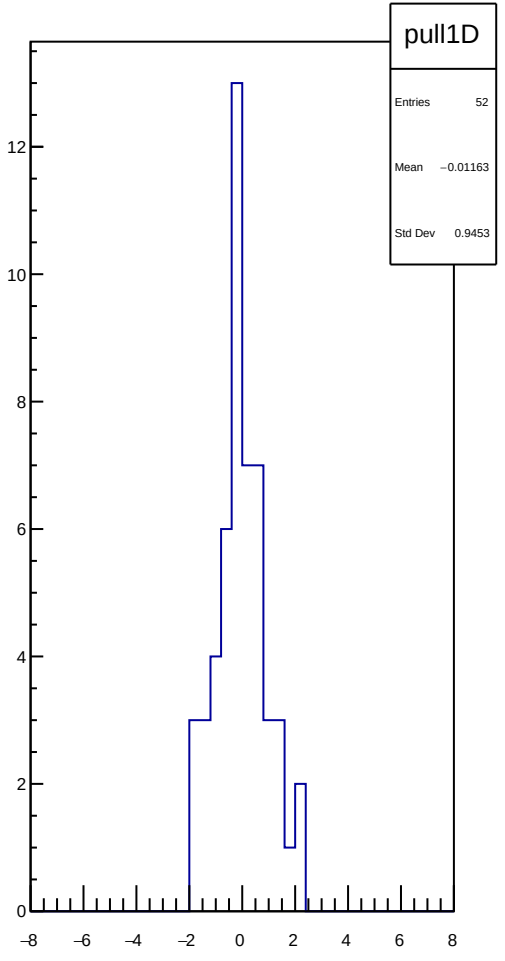
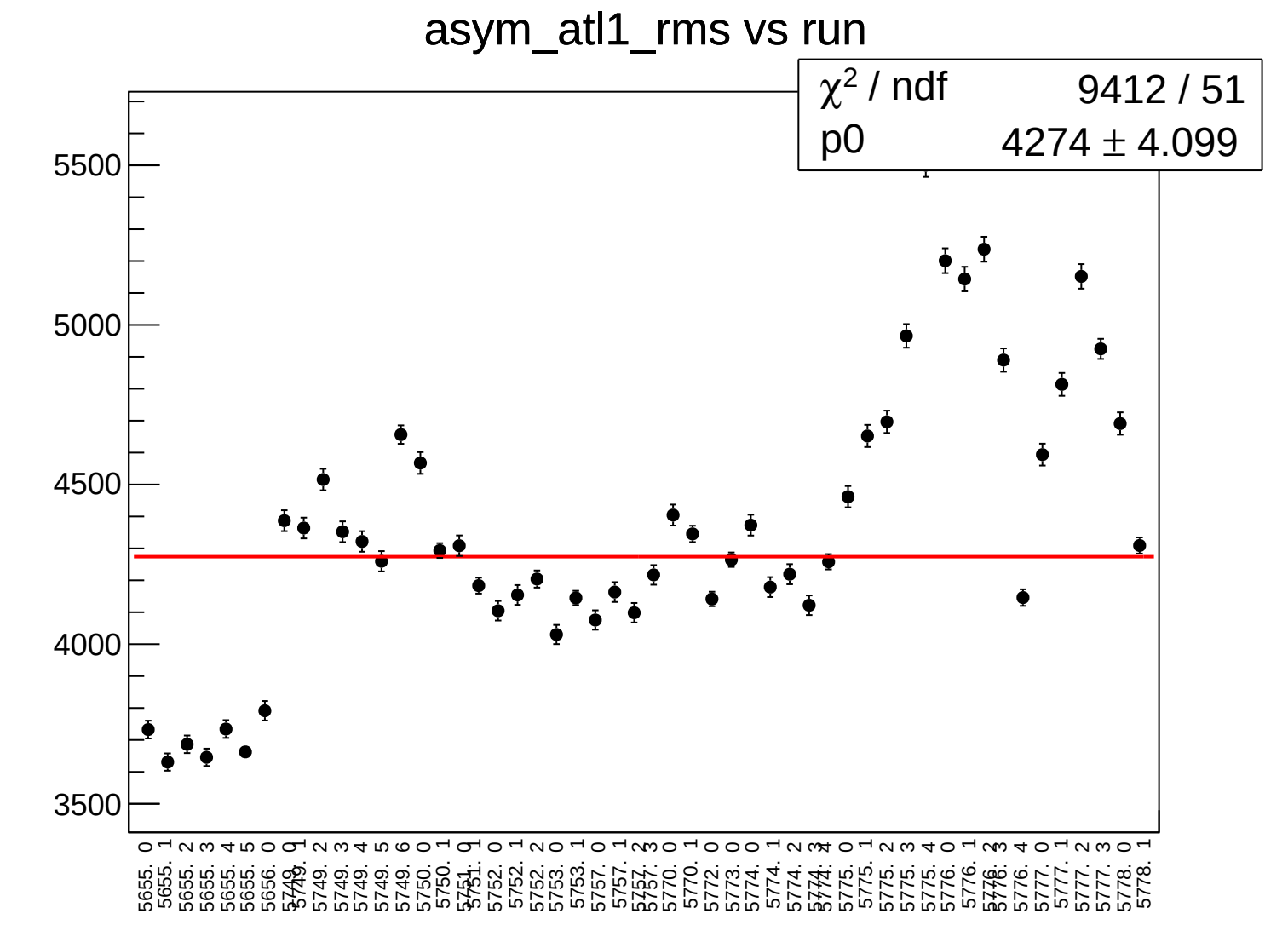
5777. 3
5778. 0
5778. 1

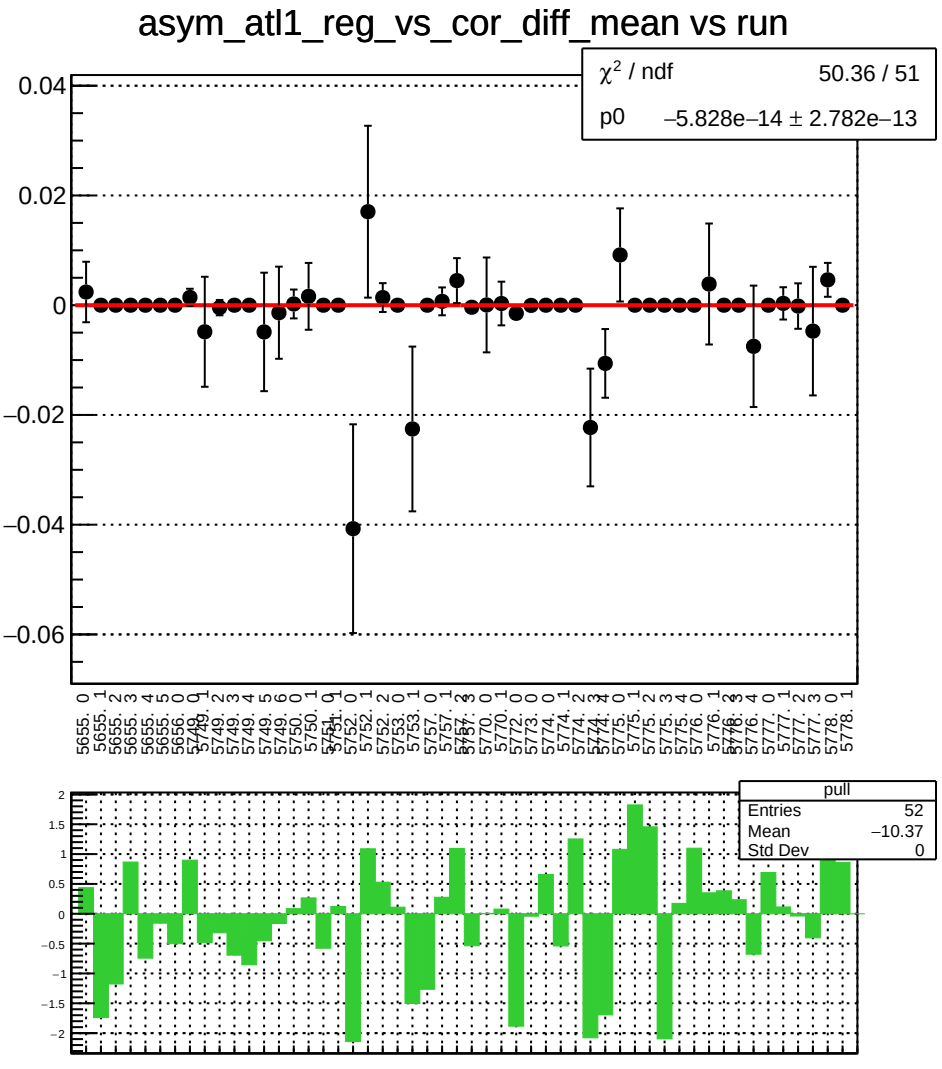

asym_atl1_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 50.06 / 51
p0 −2495 ± 3159
100
50
0
−50
−100
pull
Entries 52
Mean 93.94
Std Dev 0
pull1D
Entries 52
Mean 0.02034
Std Dev 0.981

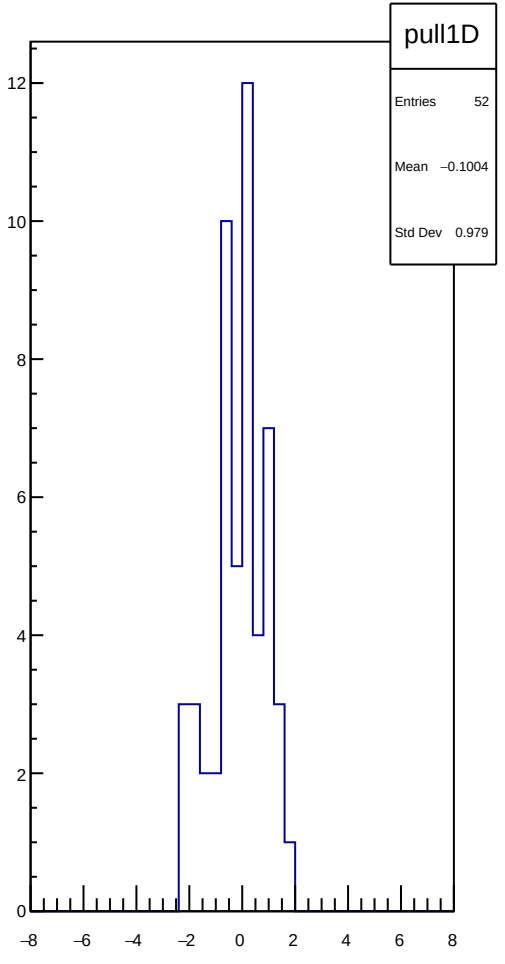

asym_atl1_eigen_dit_correction_rms vs run
χ² / ndf 1.195e+05 / 51
p0 2208 ± 2.234
4000
3500
3000
2500
2000
1500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

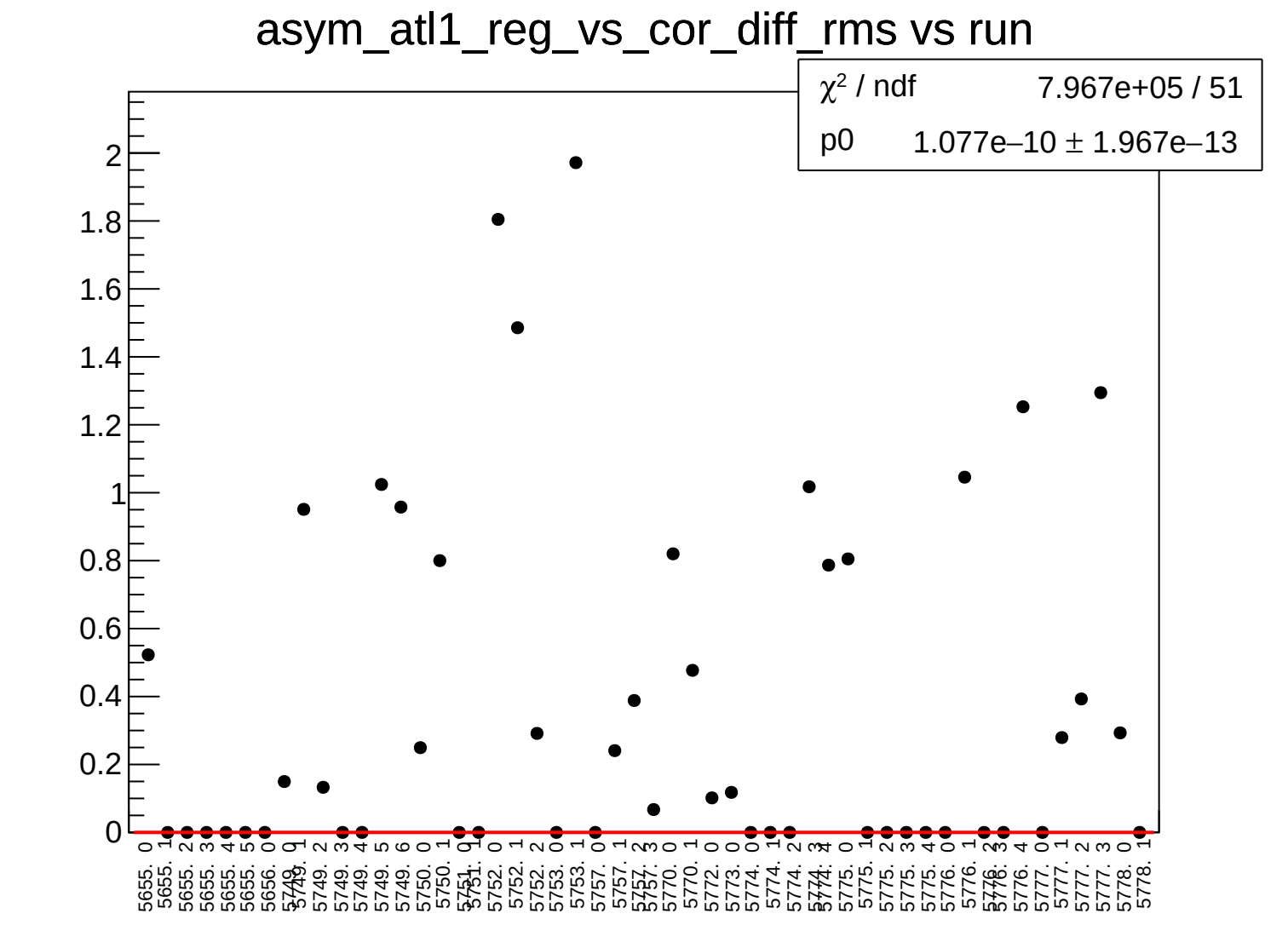

asym_atl1_mean vs run
×10^3
χ^2 / ndf 46.47 / 51
p0 441.2 ± 5797
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean 176.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

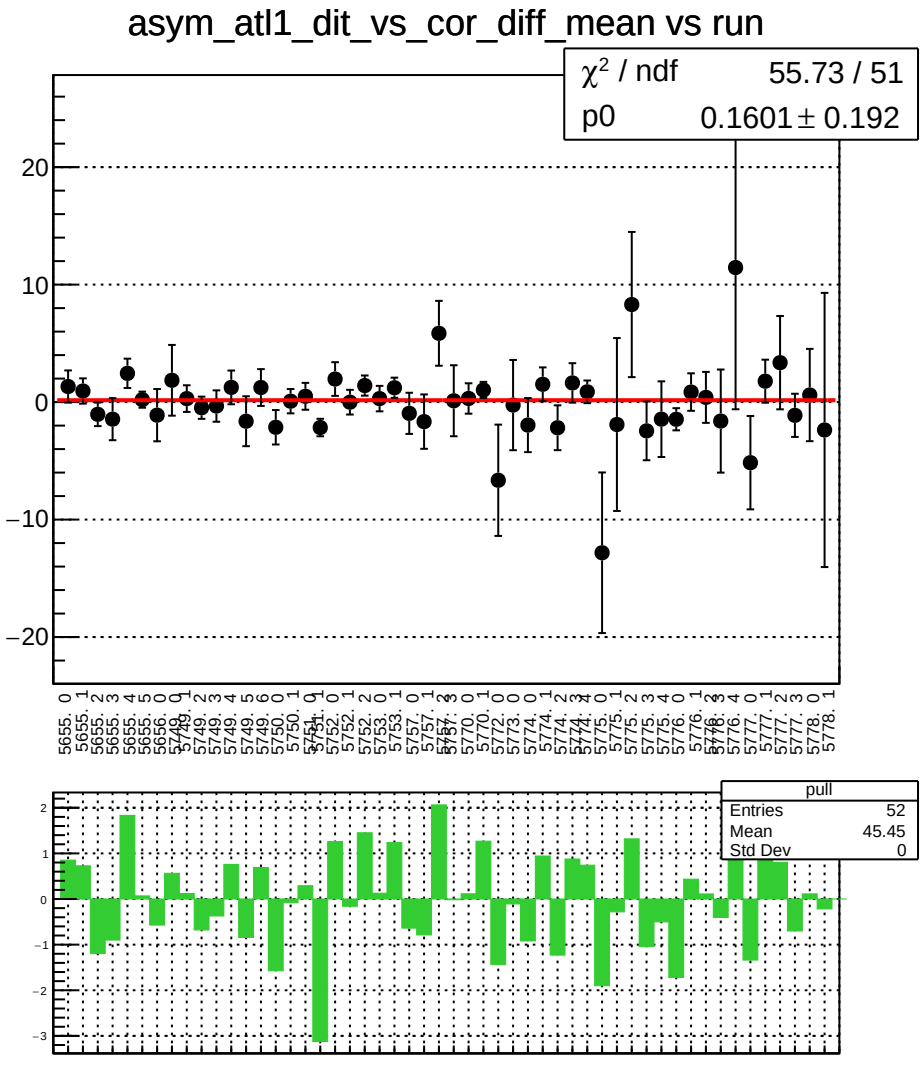

pull1D
Entries 52
Mean −0.01163
Std Dev 0.9453
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

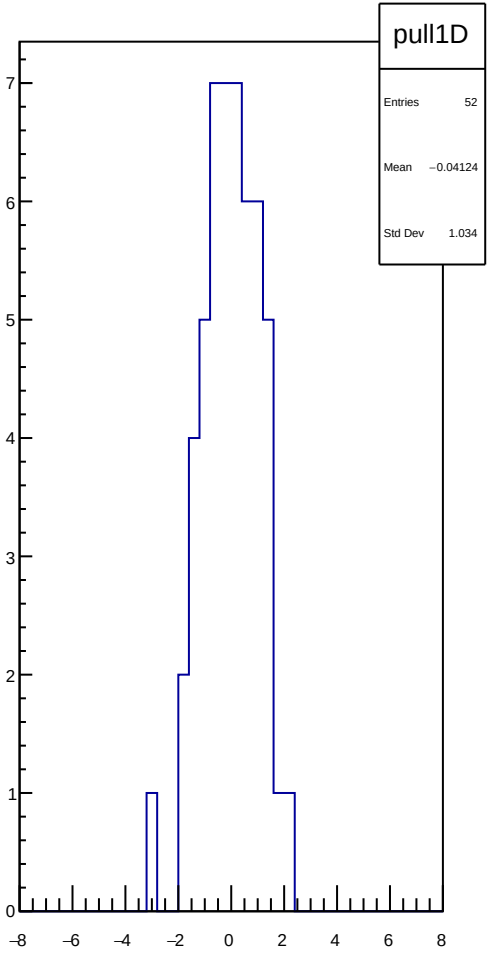

asym_atl1_rms vs run
χ² / ndf 9412 / 51
p0 4274 ± 4.099
5500
5000
4500
4000
3500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

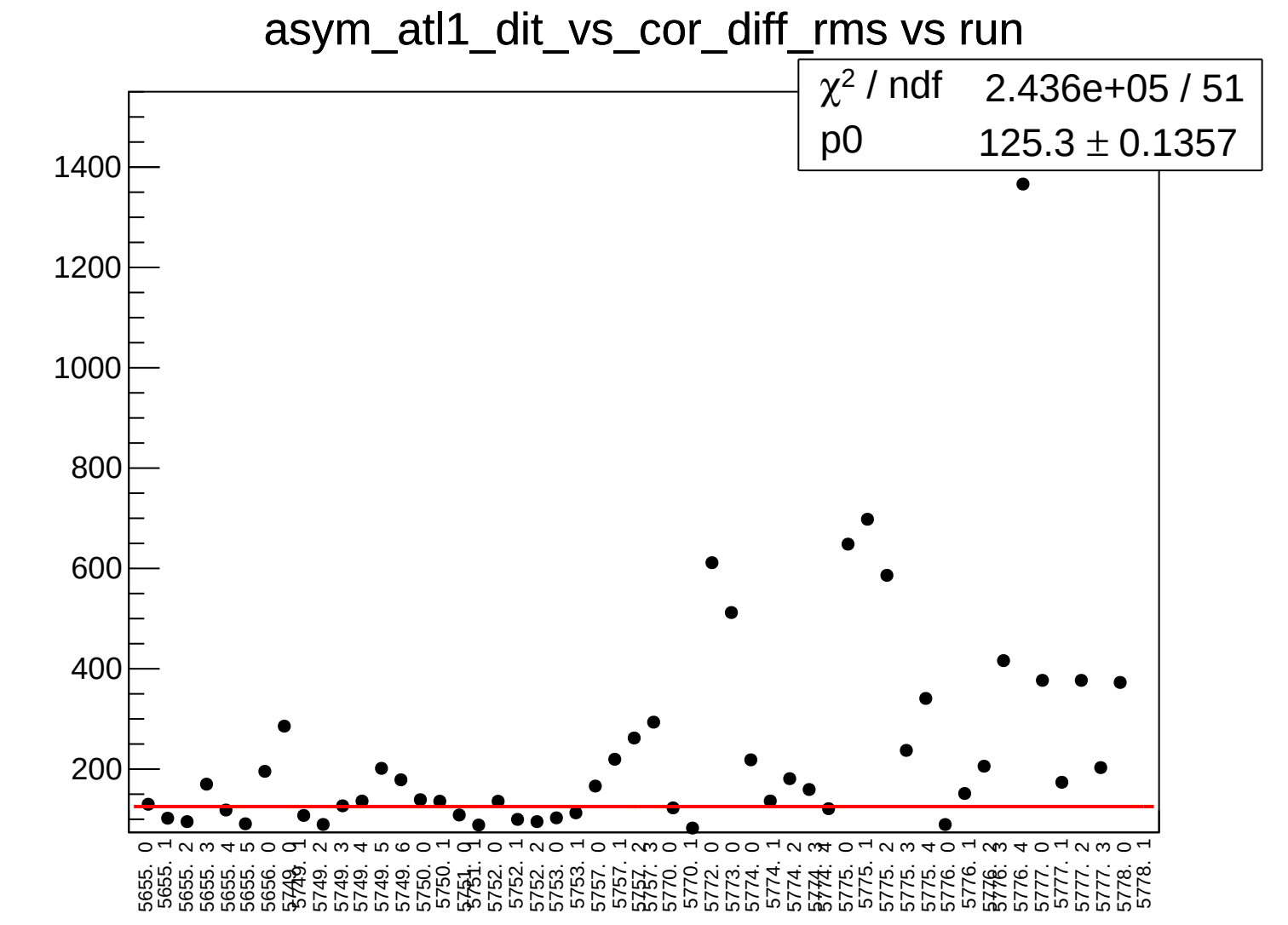

asym_atl1_reg_vs_cor_diff_mean vs run
χ² / ndf 50.36 / 51
p0 –5.828e–14 ± 2.782e–13
0.04
0.02
0
–0.02
–0.04
–0.06
pull
Entries 52
Mean –10.37
Std Dev 0
2
1.5
1
0.5
0
–0.5
–1
–1.5
–2

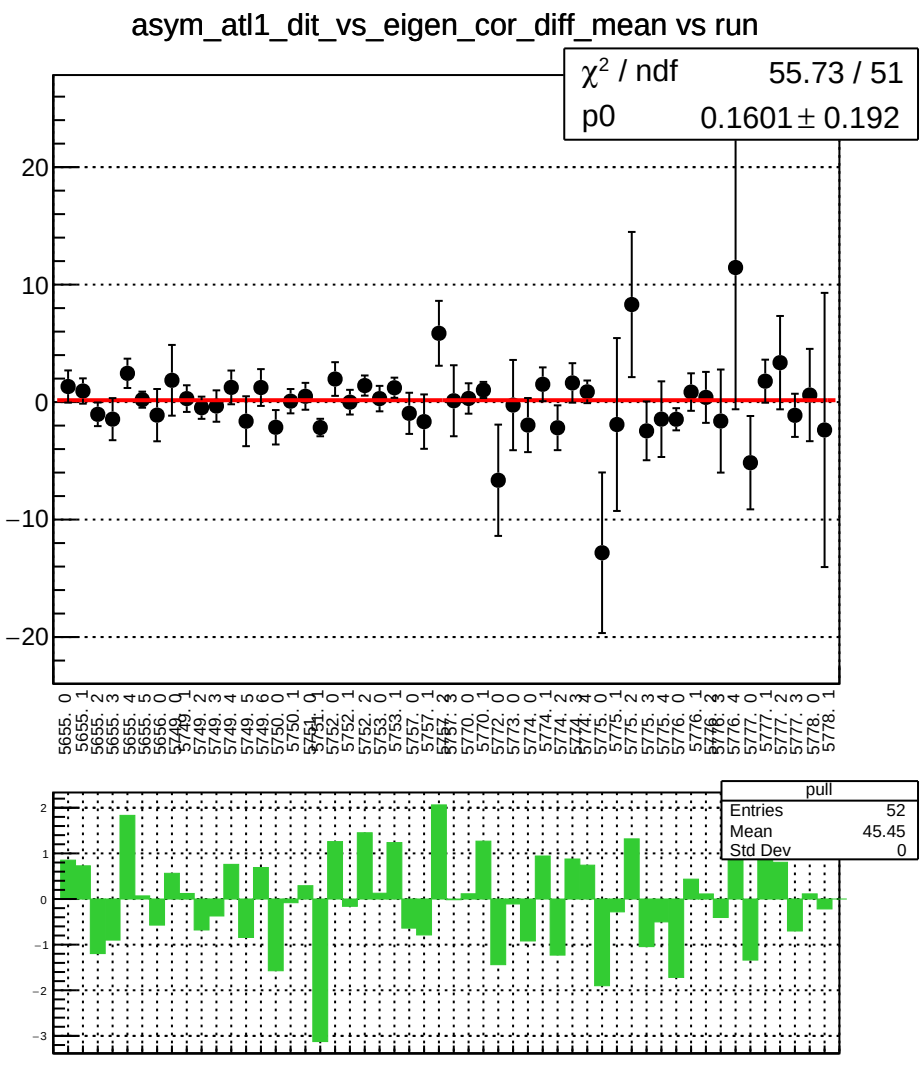

pull1D
Entries 52
Mean –0.1004
Std Dev 0.979
12
10
8
6
4
2
0
–8
–6
–4
–2
0
2
4
6
8

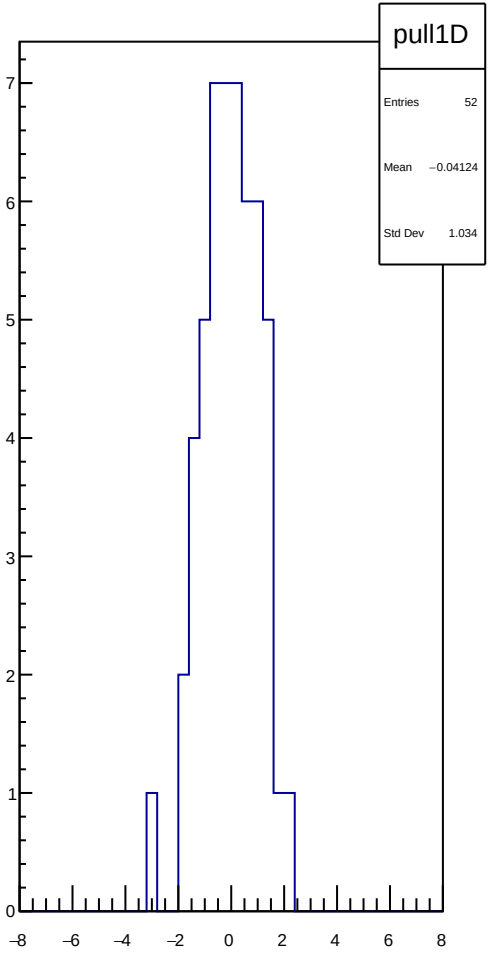

asym_atl1_reg_vs_cor_diff_rms vs run
χ² / ndf 7.967e+05 / 51
p0 1.077e−10 ± 1.967e−13
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

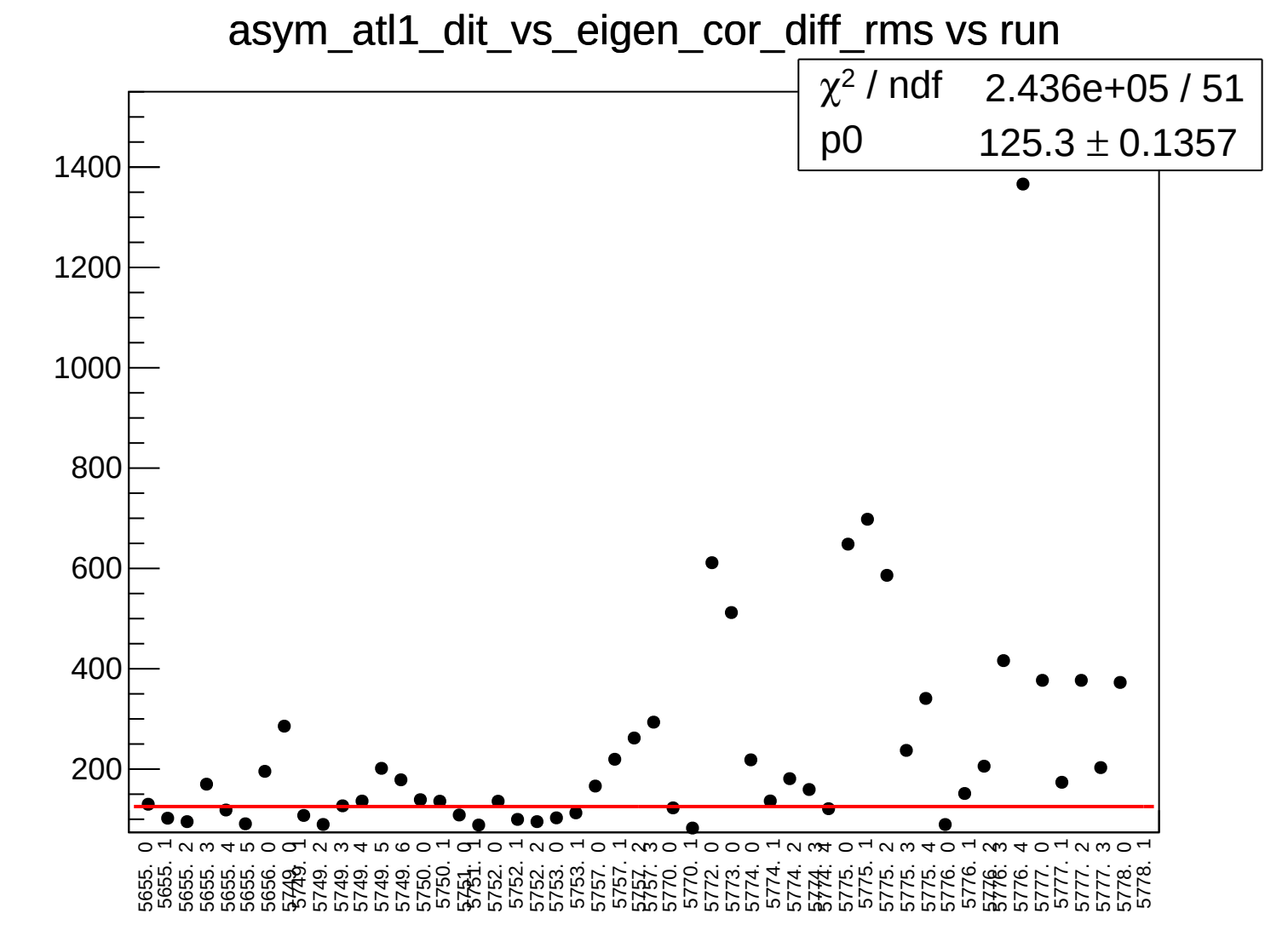

asym_atl1_dit_vs_cor_diff_mean vs run
χ² / ndf 55.73 / 51
p0 0.1601 ± 0.192
pull
Entries 52
Mean 45.45
Std Dev 0

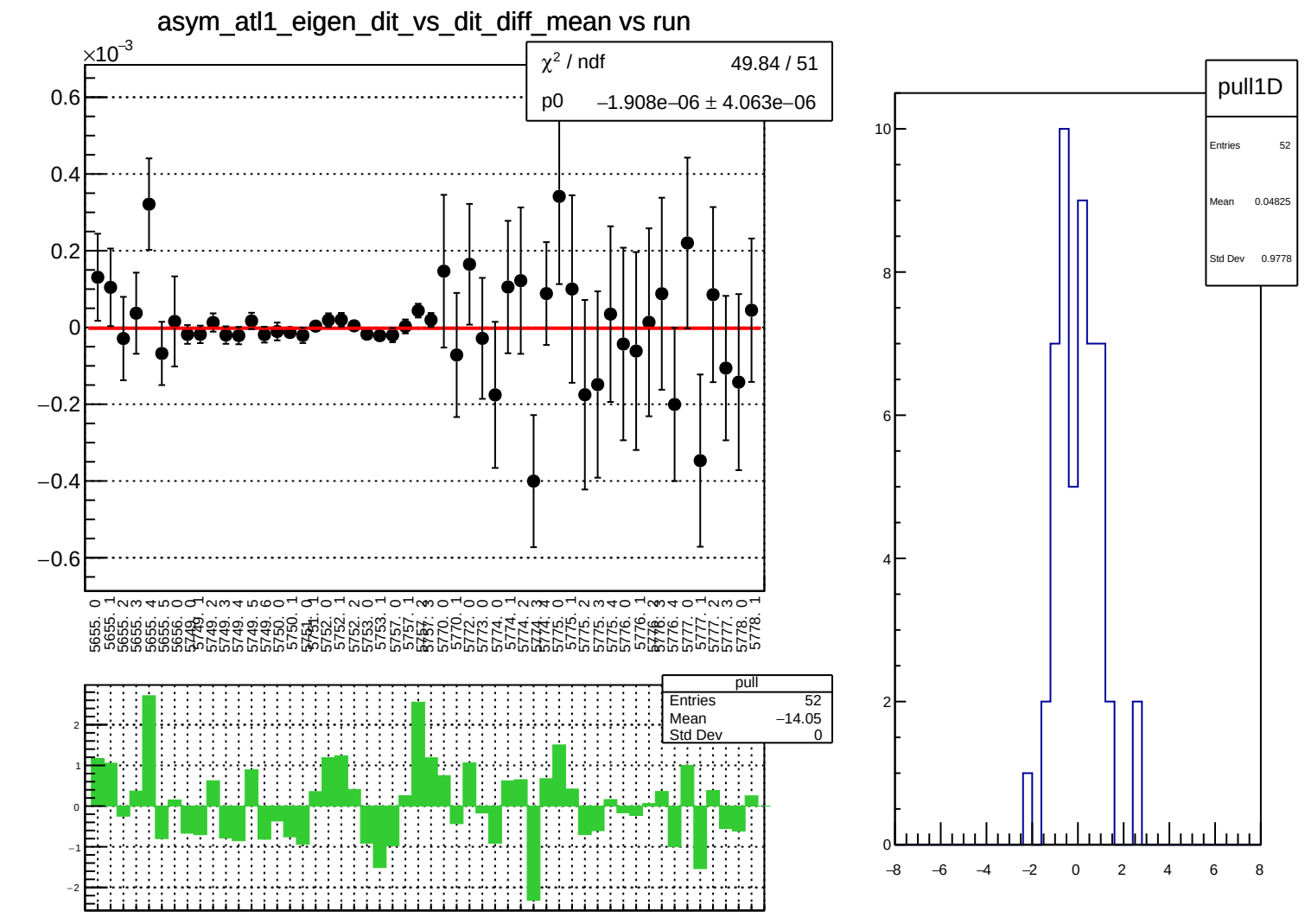

pull1D
Entries 52
Mean −0.04124
Std Dev 1.034

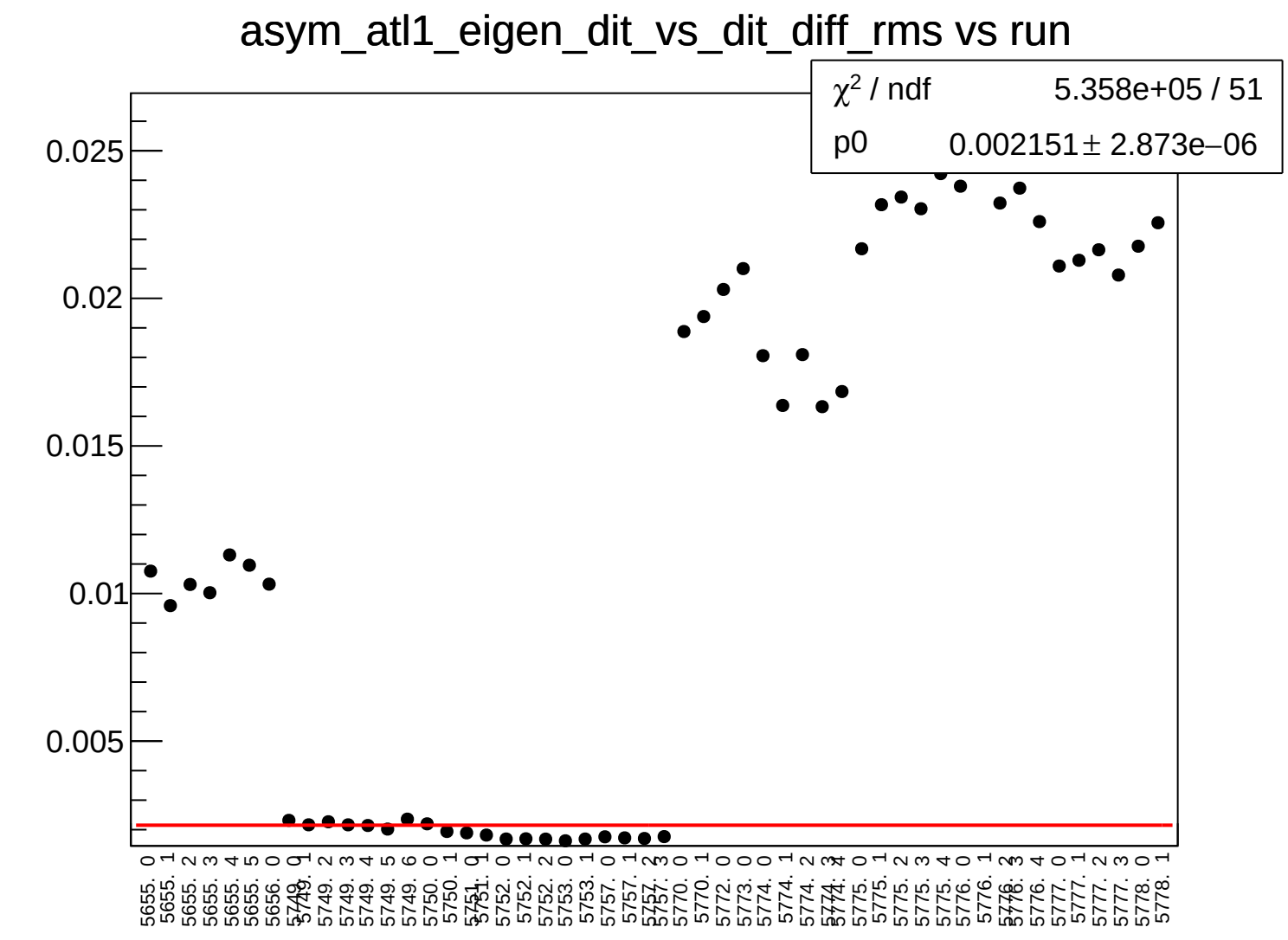

asym_atl1_dit_vs_cor_diff_rms vs run
χ² / ndf 2.436e+05 / 51
p0 125.3 ± 0.1357
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

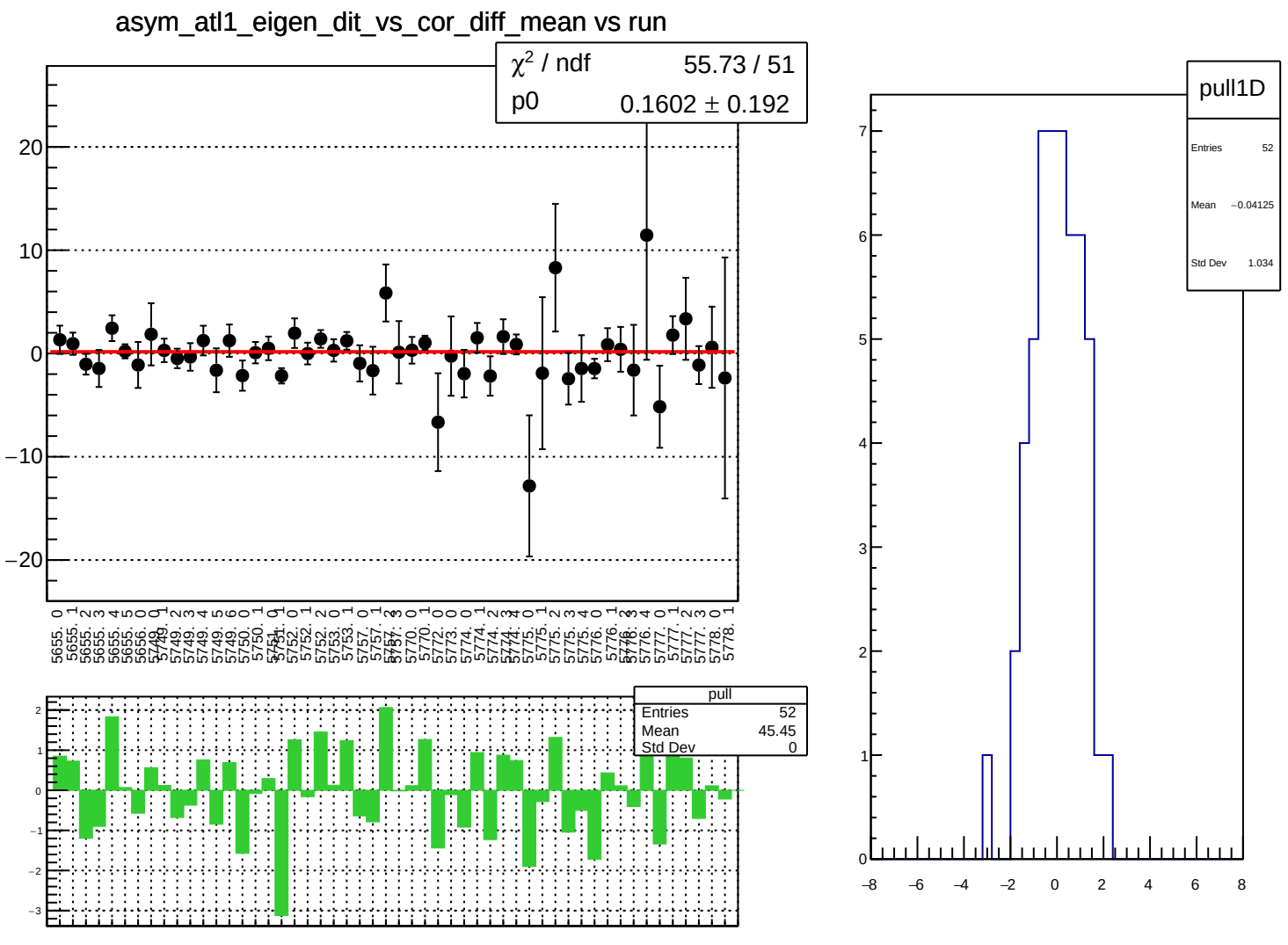

asym_atl1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.73 / 51
p0 0.1601 ± 0.192
pull
Entries 52
Mean 45.45
Std Dev 0

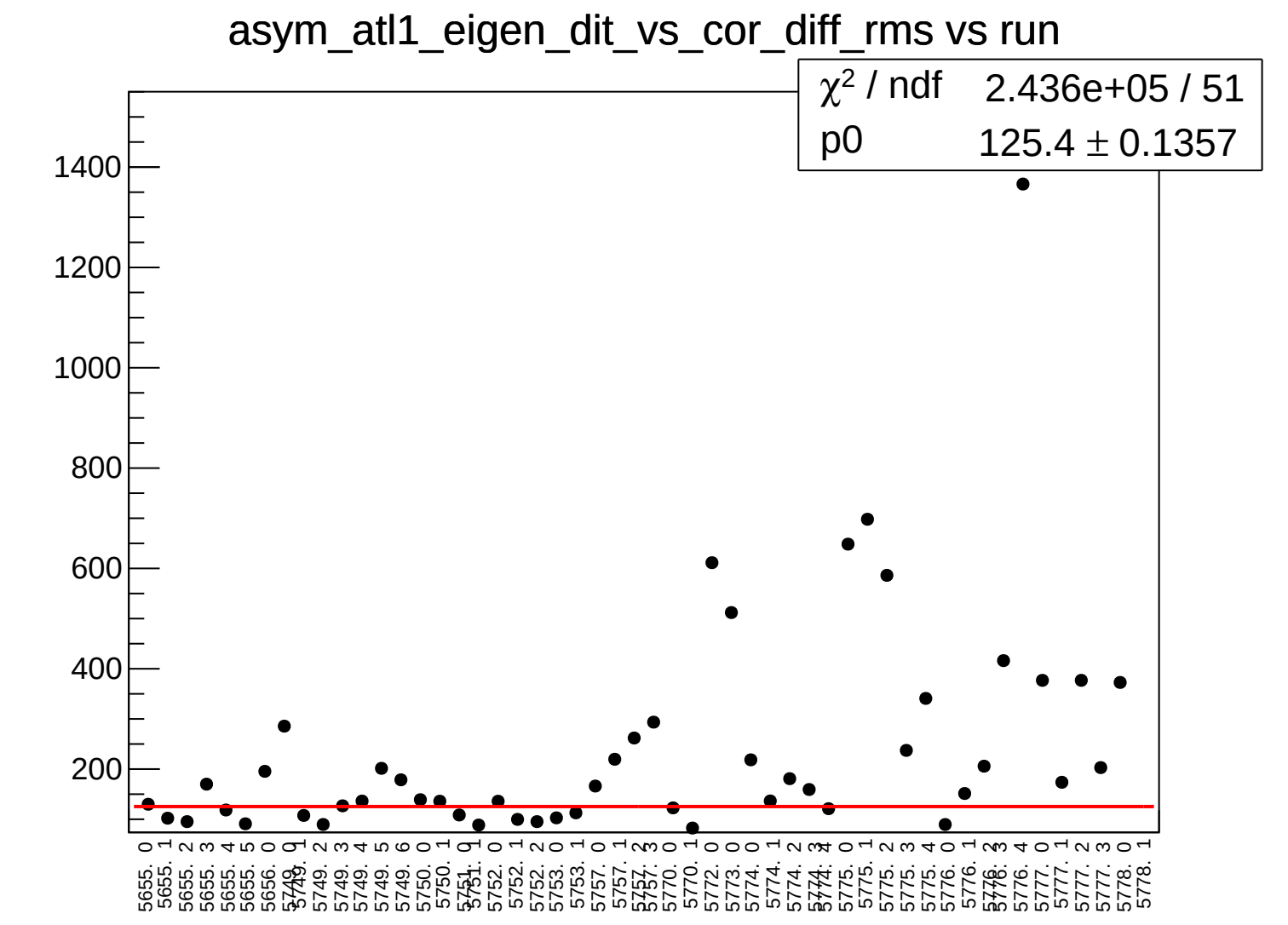

pull1D
Entries 52
Mean −0.04124
Std Dev 1.034

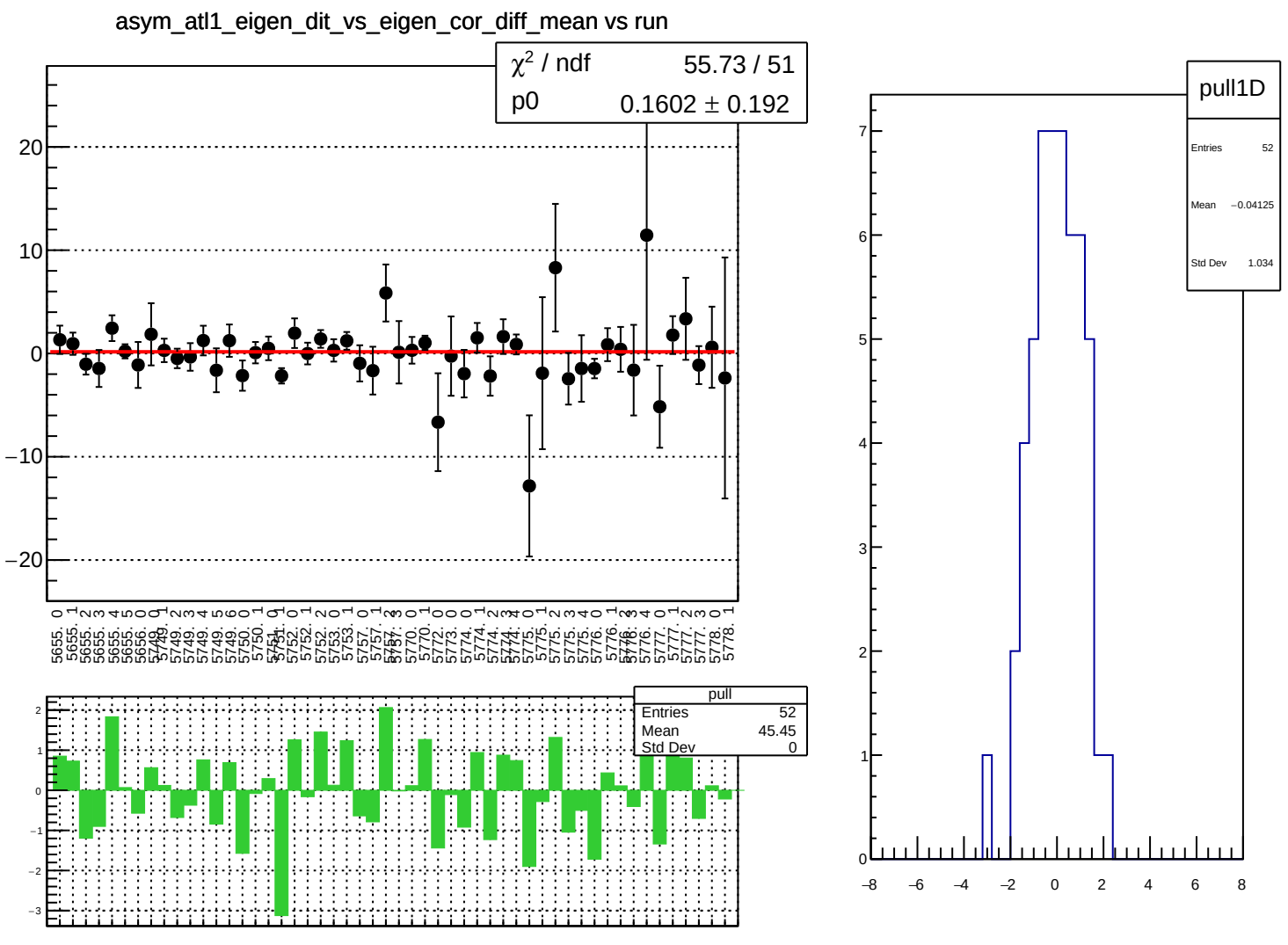

asym_atl1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.436e+05 / 51
p0 125.3 ± 0.1357
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

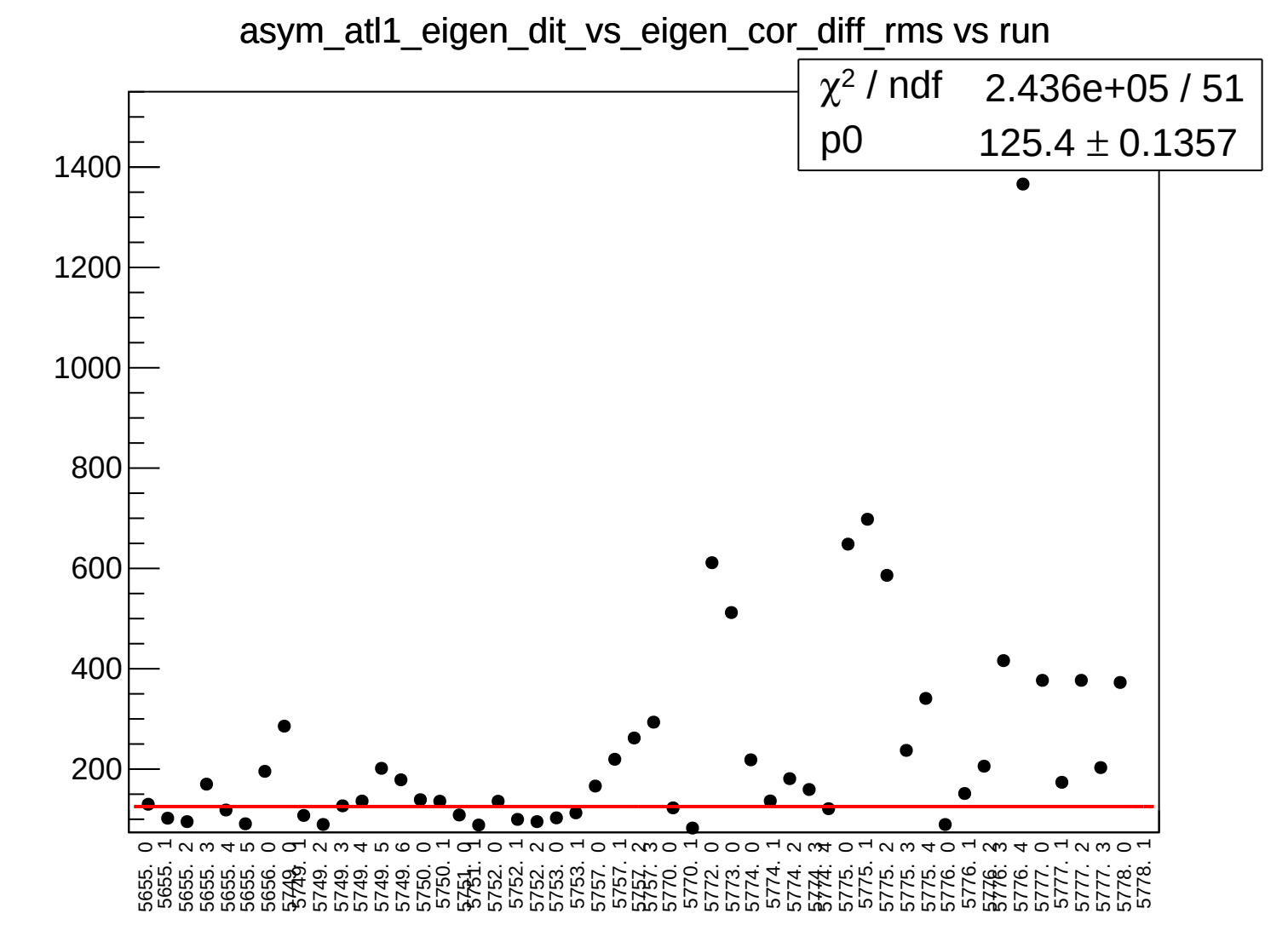

asym_atl1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 49.84 / 51
p0 −1.908e−06 ± 4.063e−06
pull
Entries 52
Mean −14.05
Std Dev 0
pull1D
Entries 52
Mean 0.04825
Std Dev 0.9778

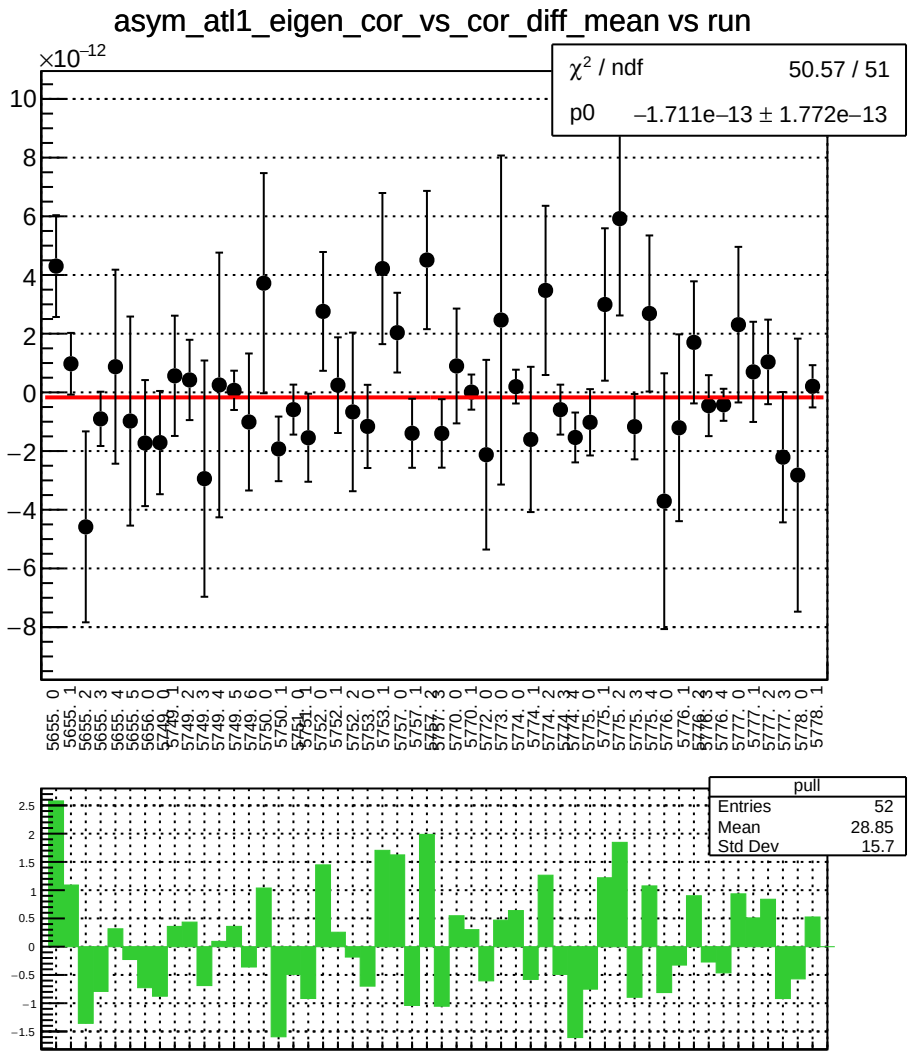

asym_atl1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.358e+05 / 51
p0 0.002151 ± 2.873e−06
0.025
0.02
0.015
0.01
0.005
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

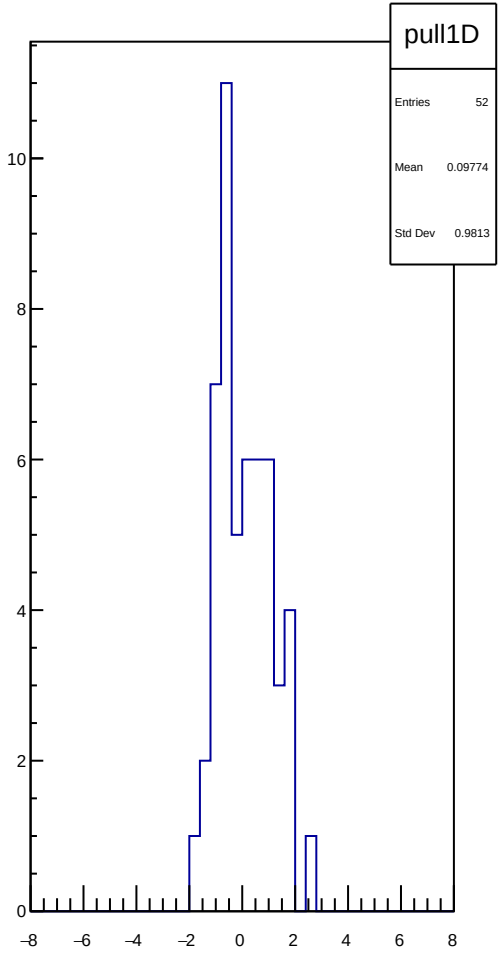

asym_atl1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.73 / 51
p0 0.1602 ± 0.192
pull
Entries 52
Mean 45.45
Std Dev 0
pull1D
Entries 52
Mean −0.04125
Std Dev 1.034

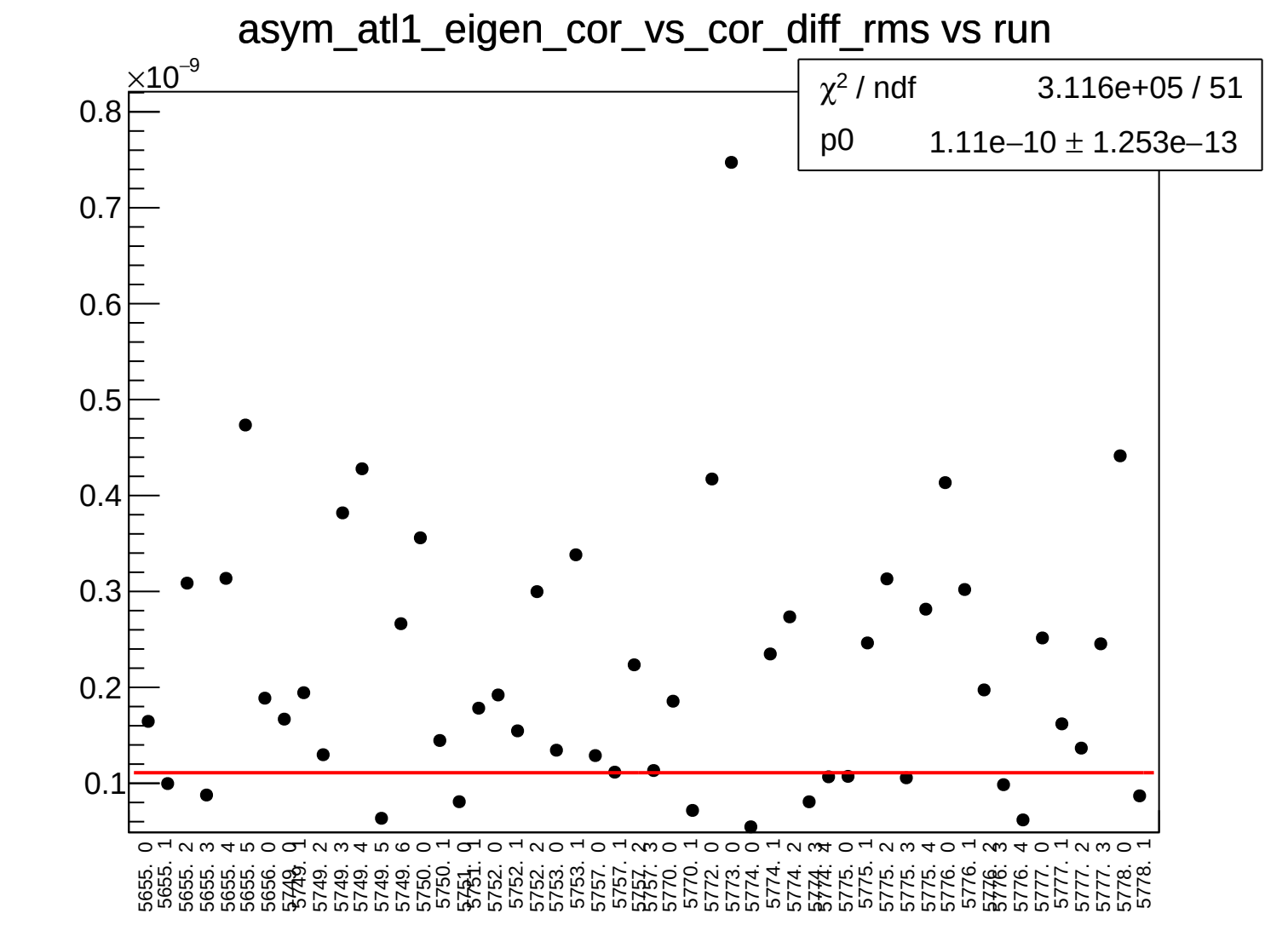

asym_atl1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.436e+05 / 51
p0 125.4 ± 0.1357
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

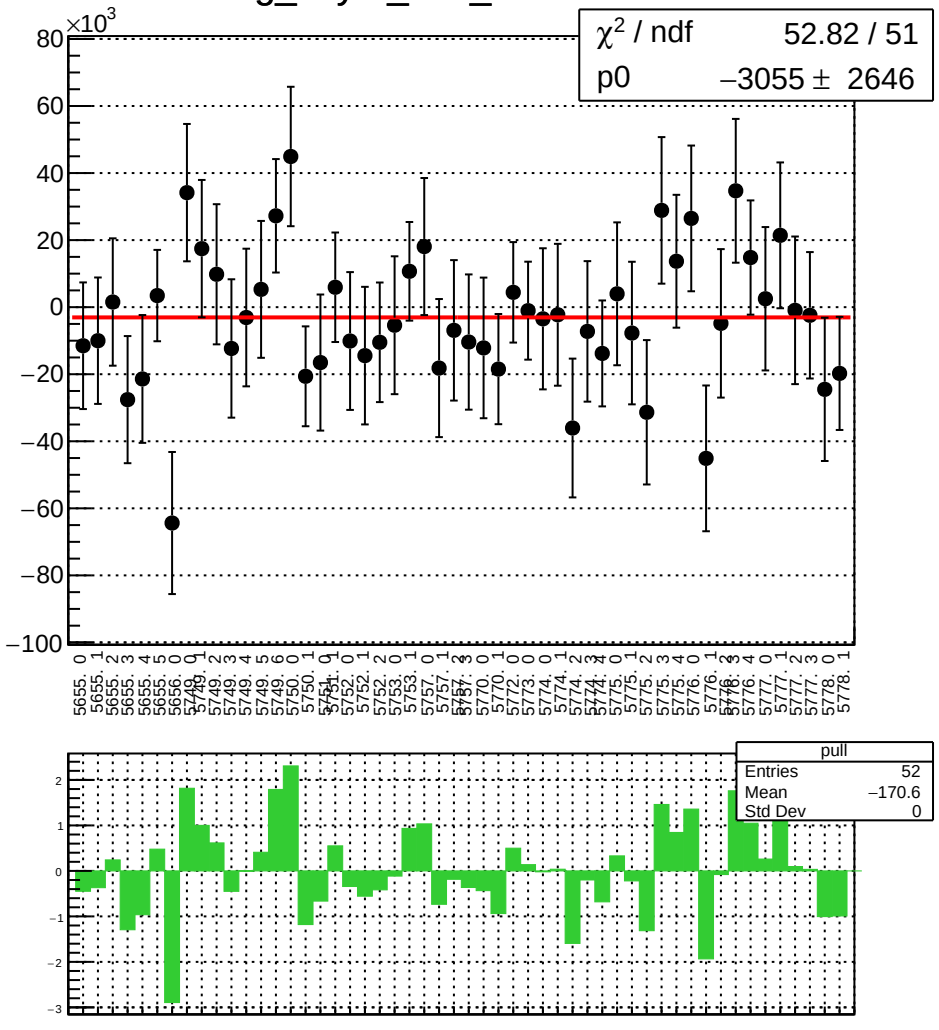

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.73 / 51
p0 0.1602 ± 0.192
pull
Entries 52
Mean 45.45
Std Dev 0
pull1D
Entries 52
Mean −0.04125
Std Dev 1.034

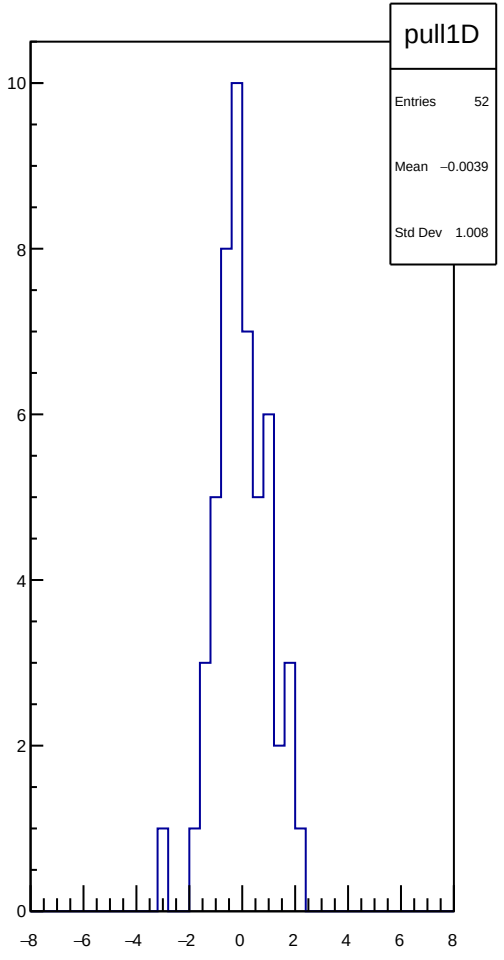

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.436e+05 / 51
p0 125.4 ± 0.1357
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

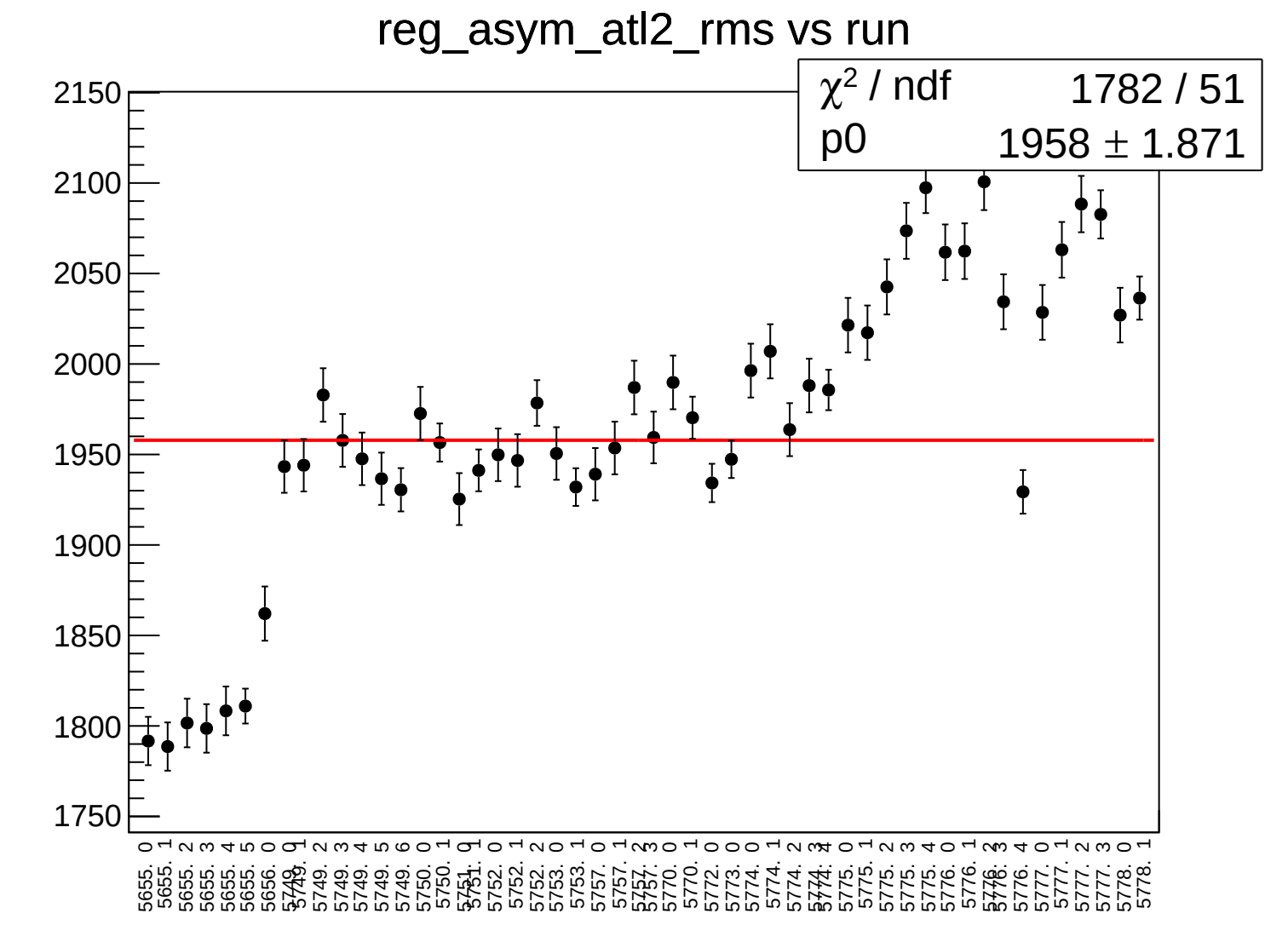

asym_atl1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.57 / 51
p0 −1.711e−13 ± 1.772e−13
pull
Entries 52
Mean 28.85
Std Dev 15.7

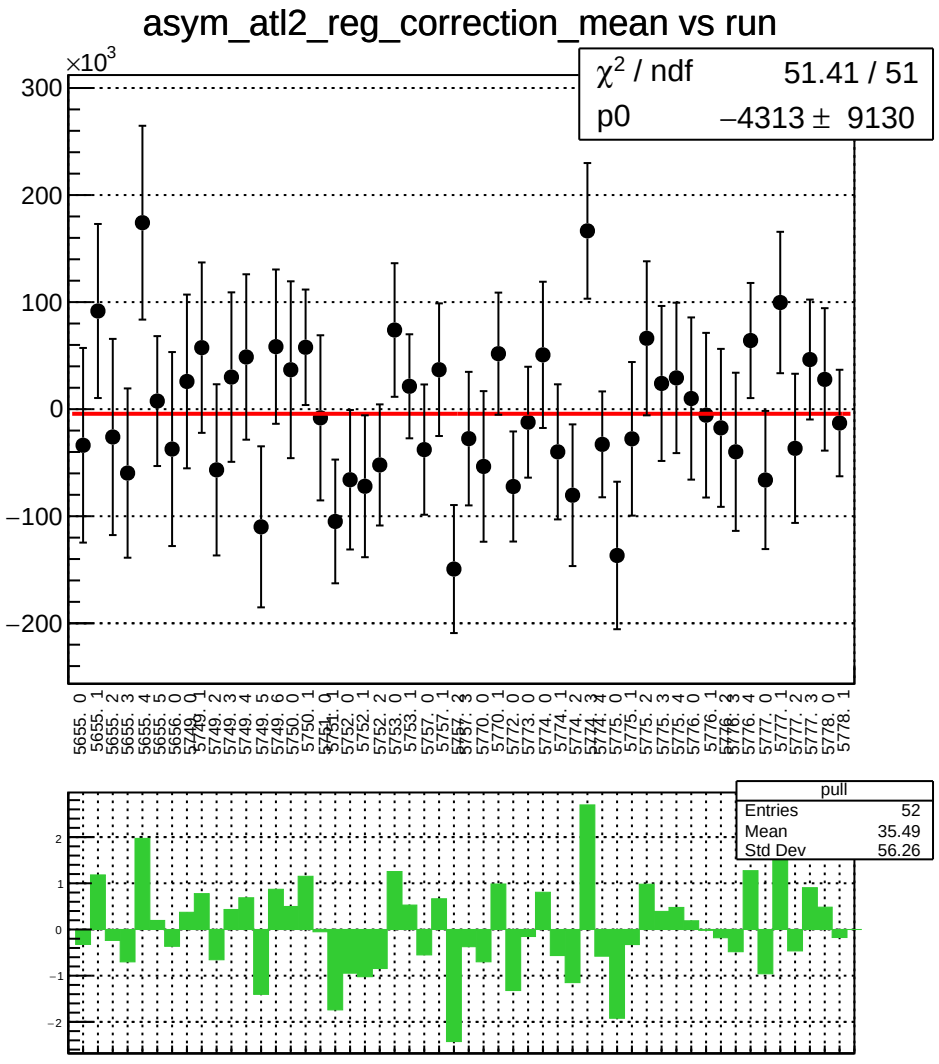

pull1D
Entries 52
Mean 0.09774
Std Dev 0.9813

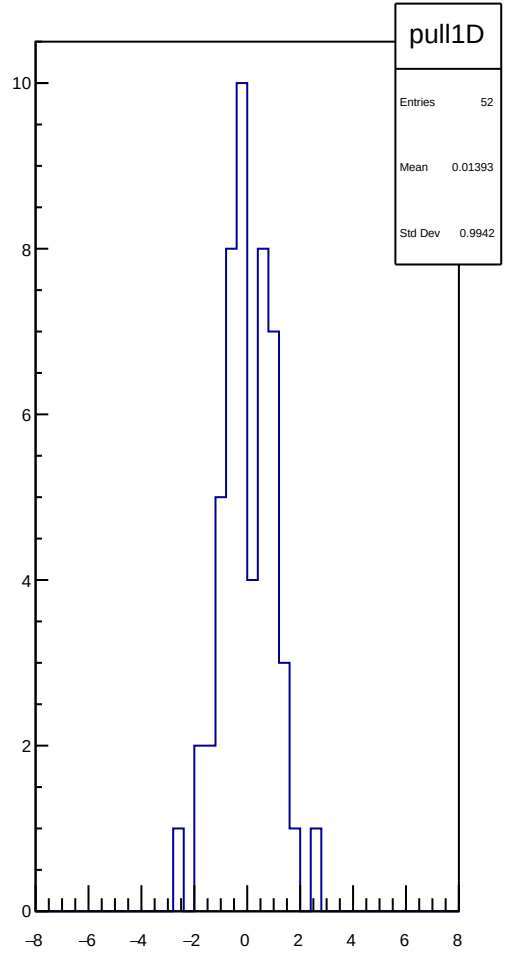

asym_atl1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.116e+05 / 51
p0 1.11e−10 ± 1.253e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

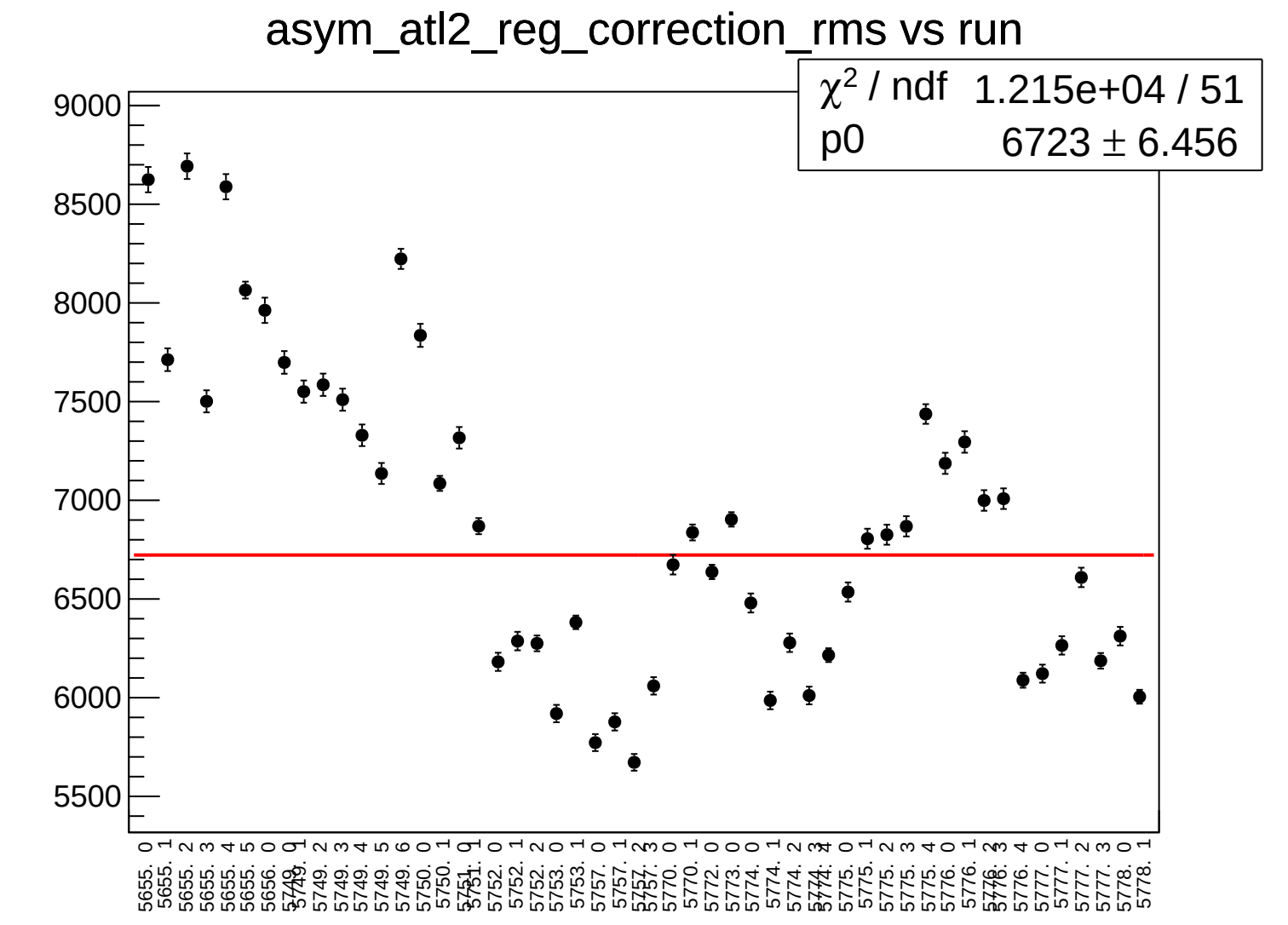

reg_asym_atl2_mean vs run
χ^2 / ndf 52.82 / 51
p0 −3055 ± 2646
×10^3
pull
Entries 52
Mean −170.6
Std Dev 0


pull1D
Entries 52
Mean −0.0039
Std Dev 1.008


reg_asym_atl2_rms vs run
χ² / ndf 1782 / 51
p0 1958 ± 1.871
2150
2100
2050
2000
1950
1900
1850
1800
1750
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl2_reg_correction_mean vs run
×10^3
χ² / ndf 51.41 / 51
p0 −4313 ± 9130
300
200
100
0
−100
−200
pull
Entries 52
Mean 35.49
Std Dev 56.26
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01393
Std Dev 0.9942
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl2_reg_correction_rms vs run
χ² / ndf 1.215e+04 / 51
p0 6723 ± 6.456
9000
8500
8000
7500
7000
6500
6000
5500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
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5776. 1
5776. 4
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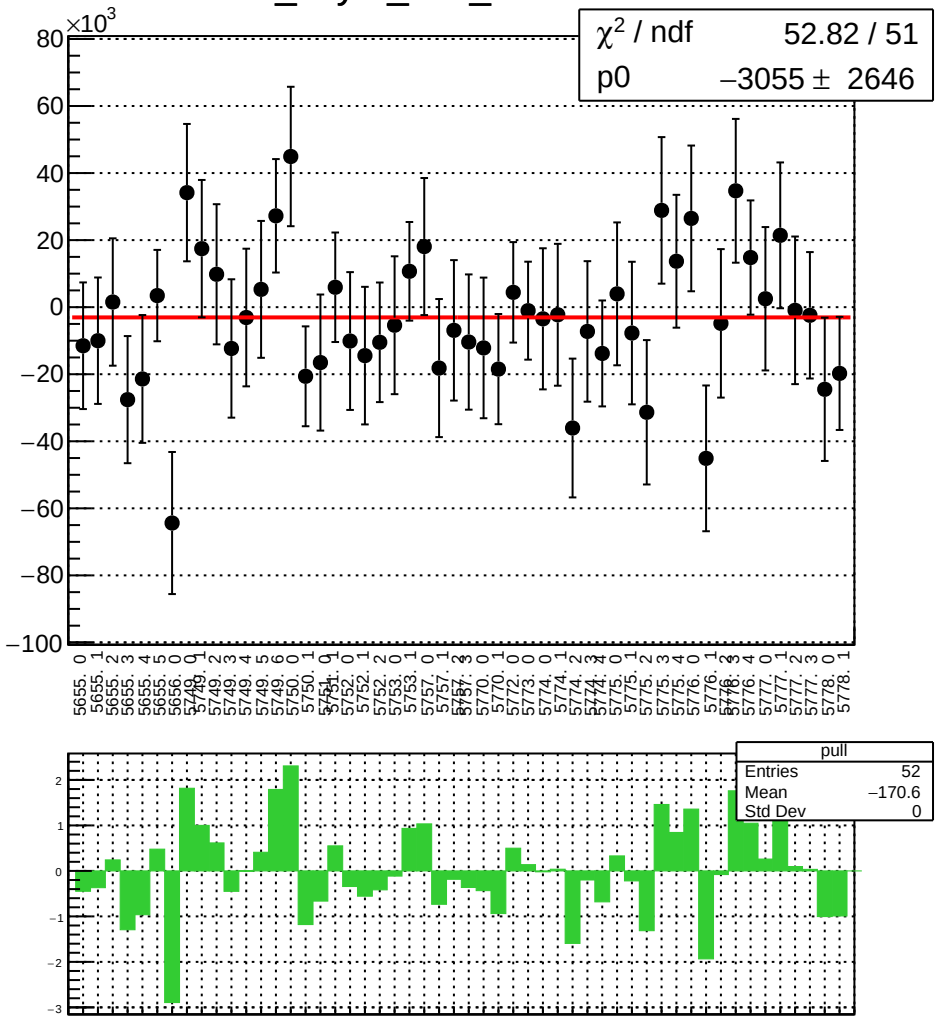
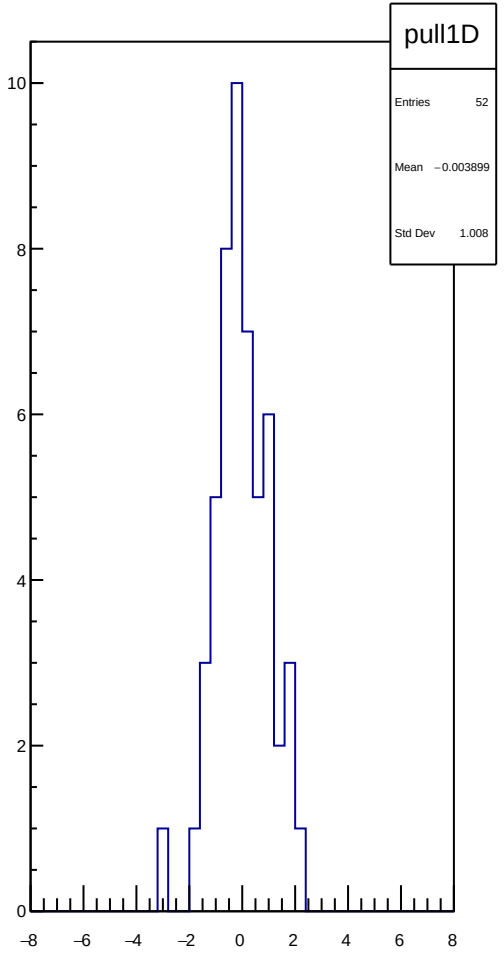
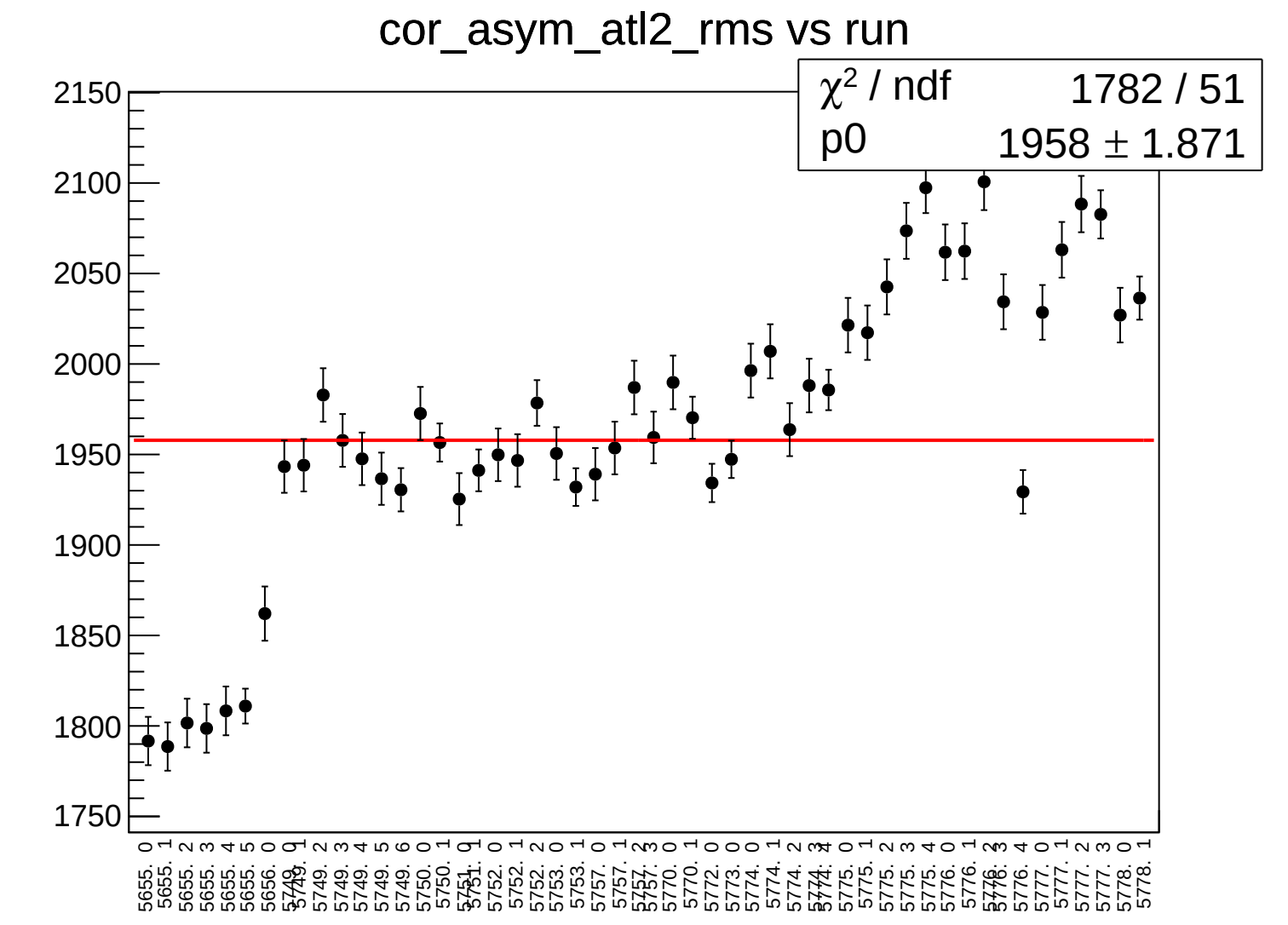
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_atl2_mean vs run
χ^2 / ndf 52.82 / 51
p0 −3055 ± 2646
×10^3
pull
Entries 52
Mean −170.6
Std Dev 0


pull1D
Entries 52
Mean −0.003899
Std Dev 1.008


cor_asym_atl2_rms vs run
χ² / ndf 1782 / 51
p0 1958 ± 1.871
2150
2100
2050
2000
1950
1900
1850
1800
1750
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
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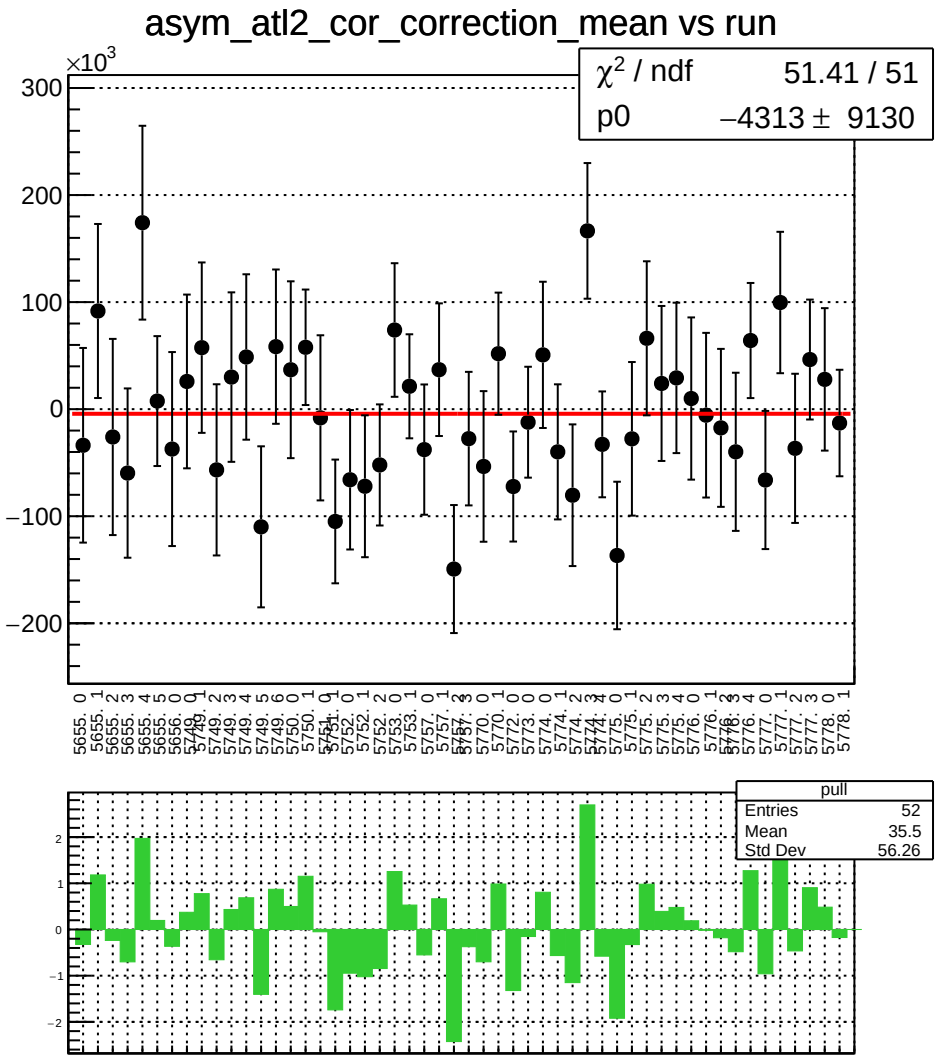
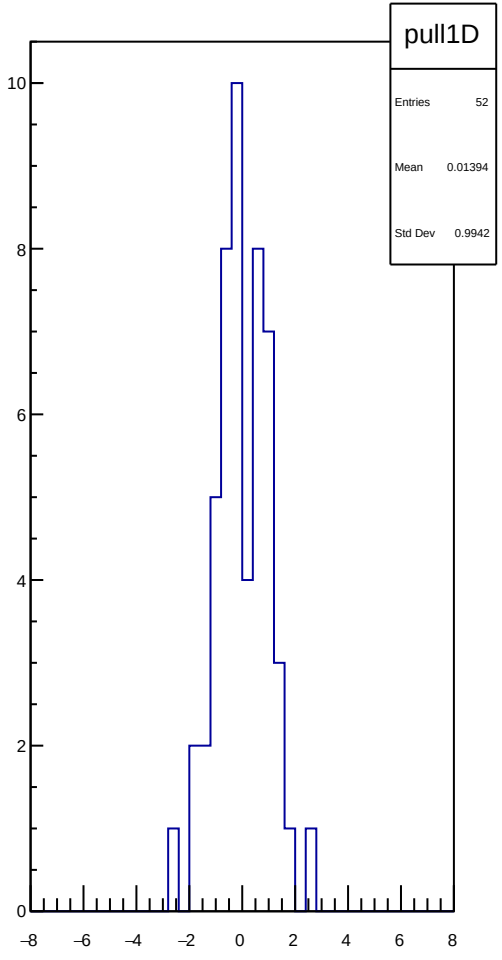
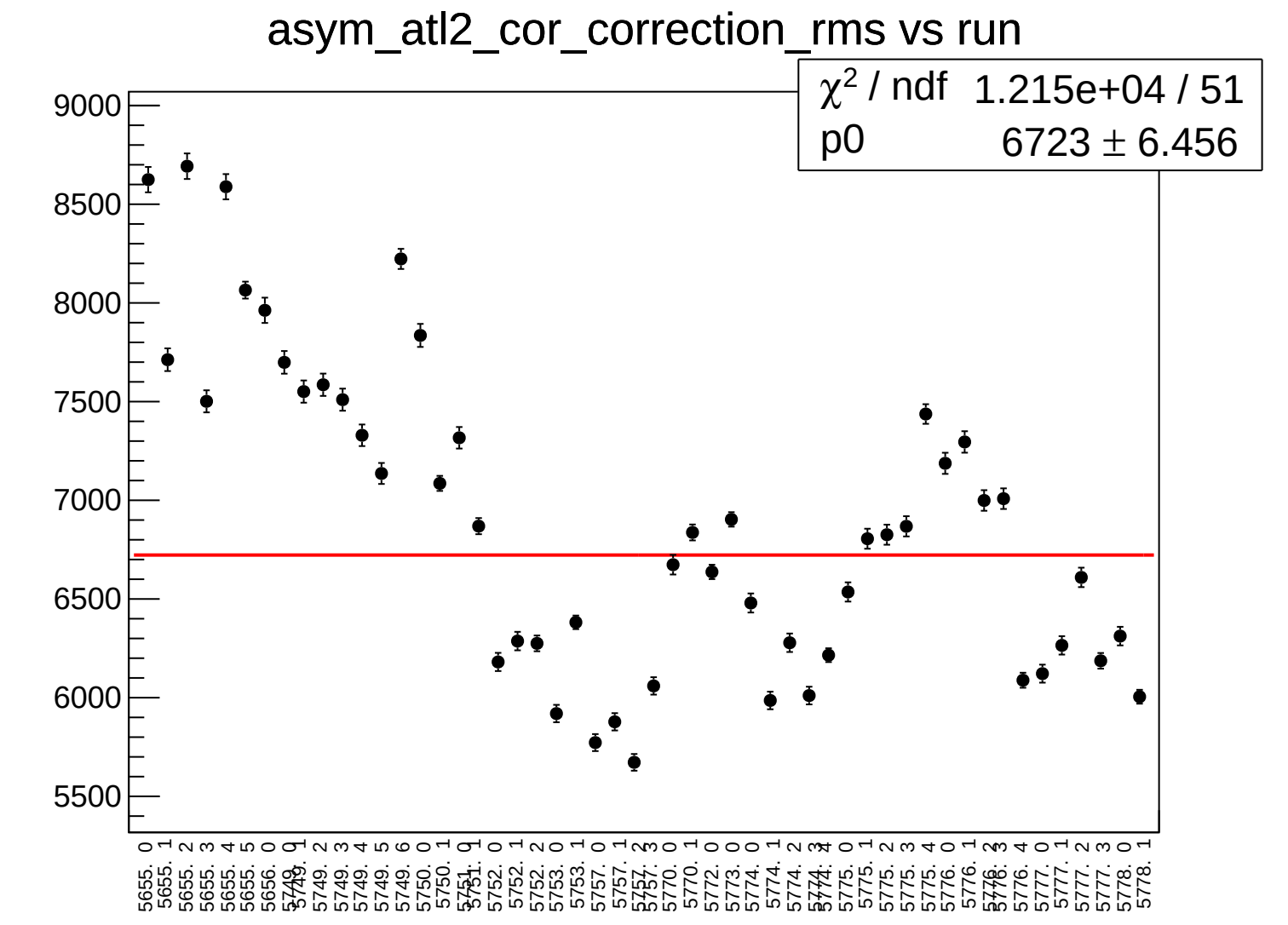
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl2_cor_correction_mean vs run
×10^3
χ² / ndf 51.41 / 51
p0 −4313 ± 9130
300
200
100
0
−100
−200
pull
Entries 52
Mean 35.5
Std Dev 56.26
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01394
Std Dev 0.9942
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl2_cor_correction_rms vs run
χ² / ndf 1.215e+04 / 51
p0 6723 ± 6.456
9000
8500
8000
7500
7000
6500
6000
5500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
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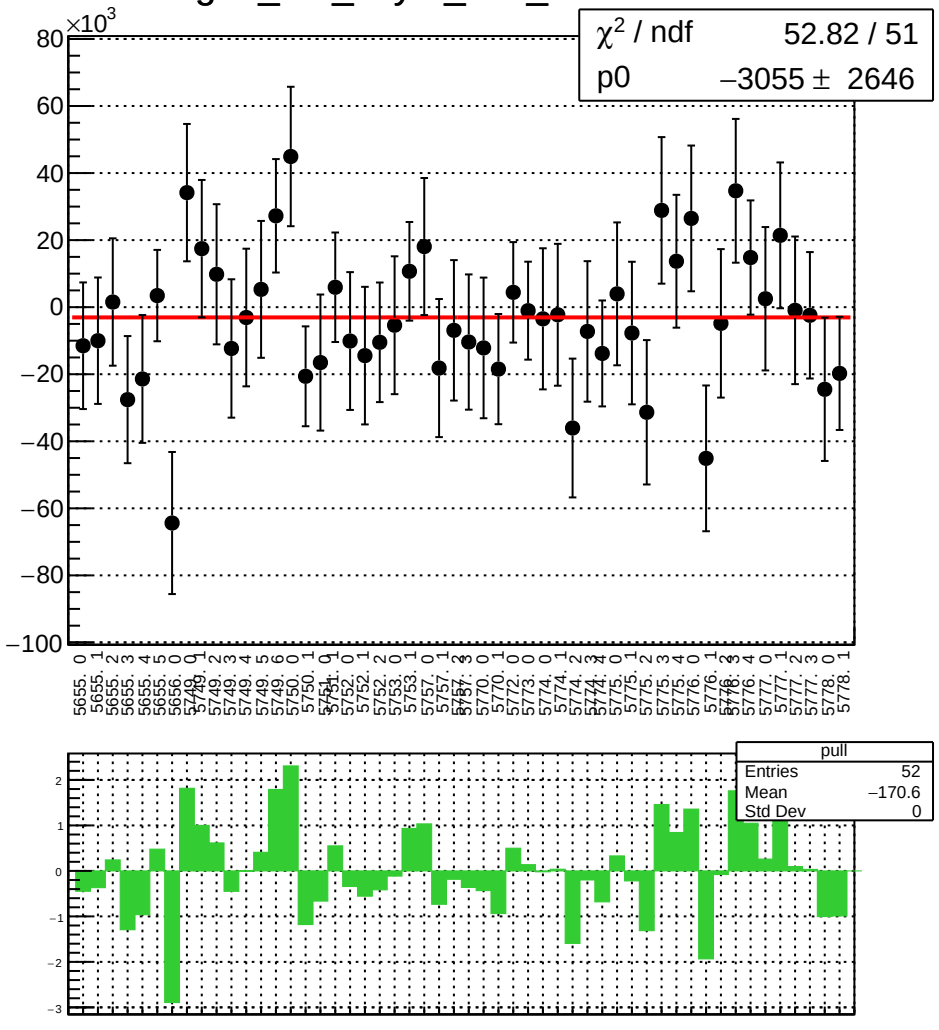
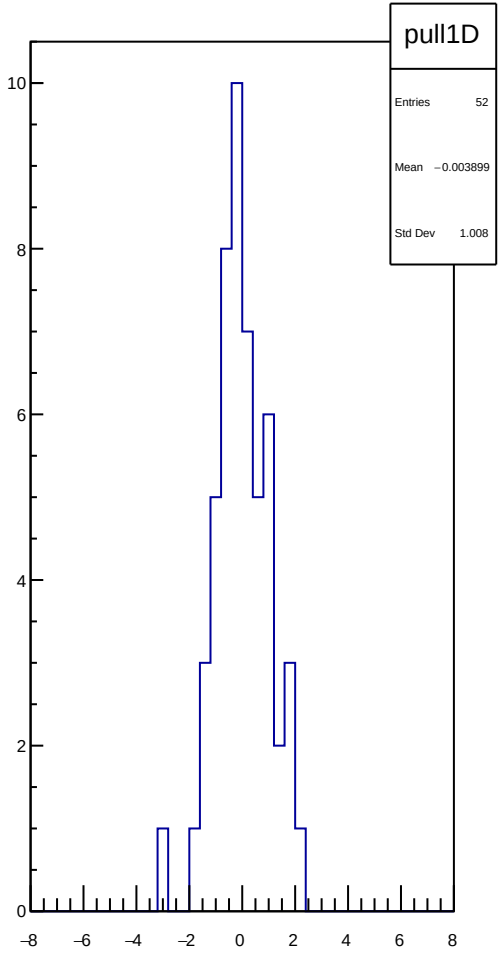
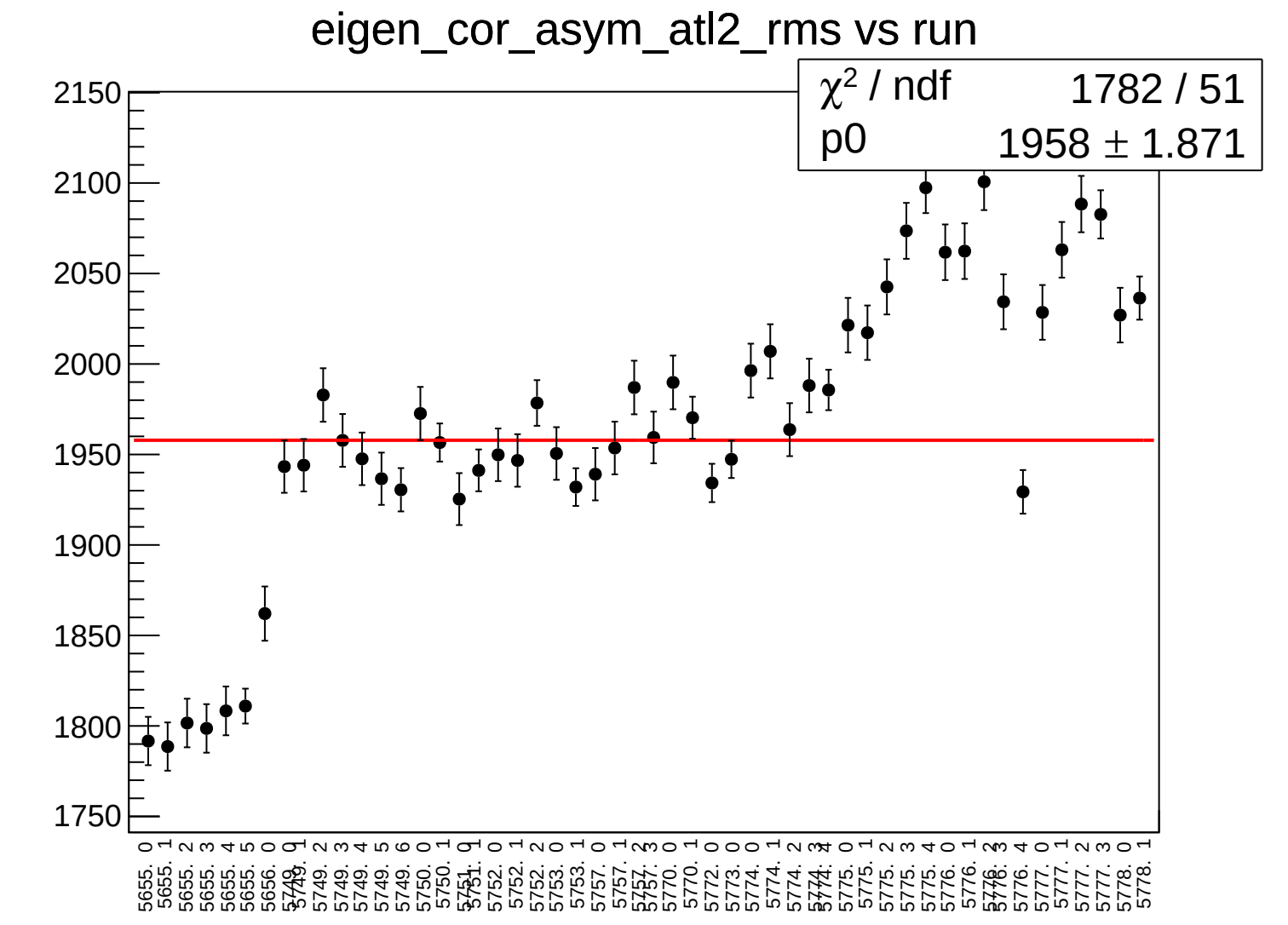
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_atl2_mean vs run
χ² / ndf 52.82 / 51
p0 −3055 ± 2646
×10³
pull
Entries 52
Mean −170.6
Std Dev 0


pull1D
Entries 52
Mean −0.003899
Std Dev 1.008


eigen_cor_asym_atl2_rms vs run
χ² / ndf 1782 / 51
p0 1958 ± 1.871
2150
2100
2050
2000
1950
1900
1850
1800
1750
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
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5777. 0
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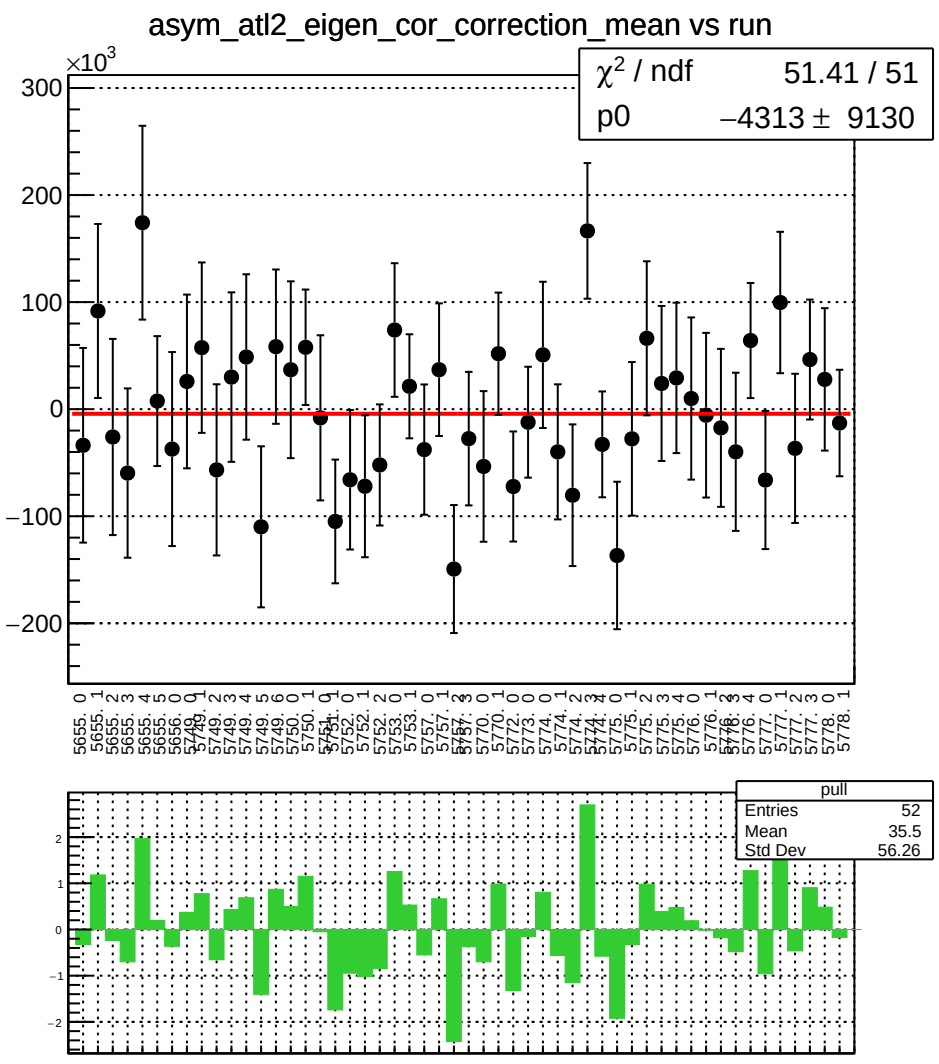
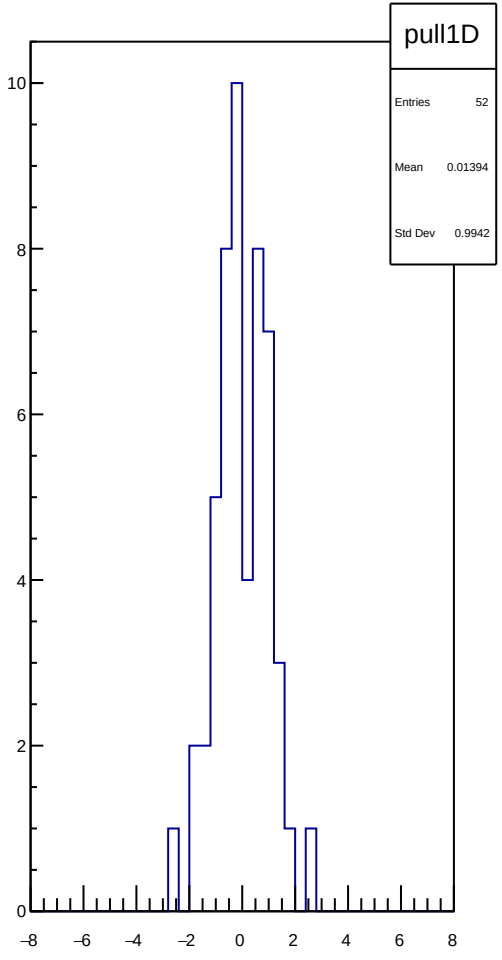
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl2_eigen_cor_correction_mean vs run
χ² / ndf 51.41 / 51
p0 −4313 ± 9130
×10³
300
200
100
0
−100
−200
pull
Entries 52
Mean 35.5
Std Dev 56.26
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01394
Std Dev 0.9942
10
8
6
4
2
0
−8
−6
−4
−2
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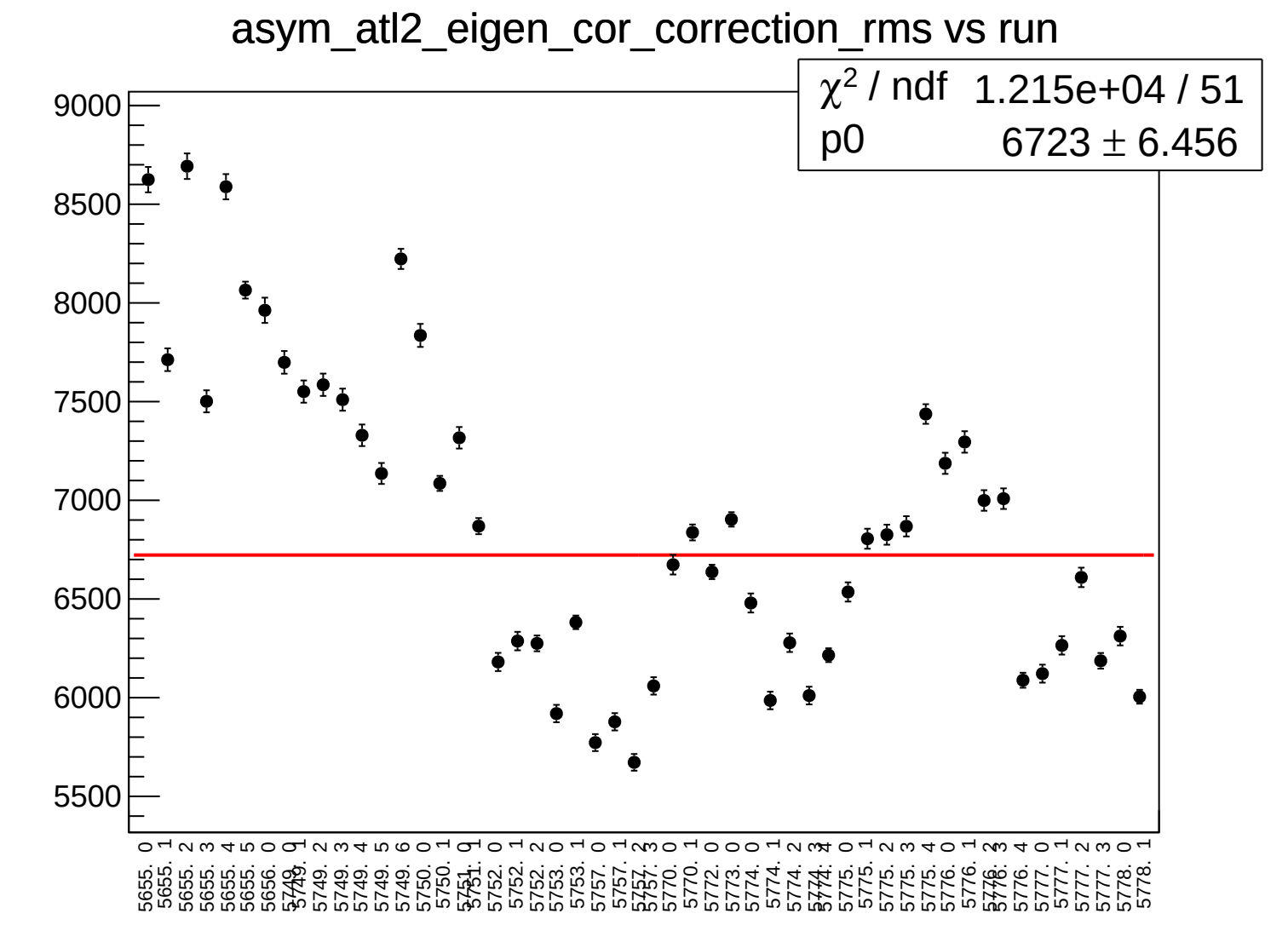
2
4
6
8


asym_atl2_eigen_cor_correction_rms vs run
χ² / ndf 1.215e+04 / 51
p0 6723 ± 6.456
9000
8500
8000
7500
7000
6500
6000
5500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5775. 3
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5776. 1
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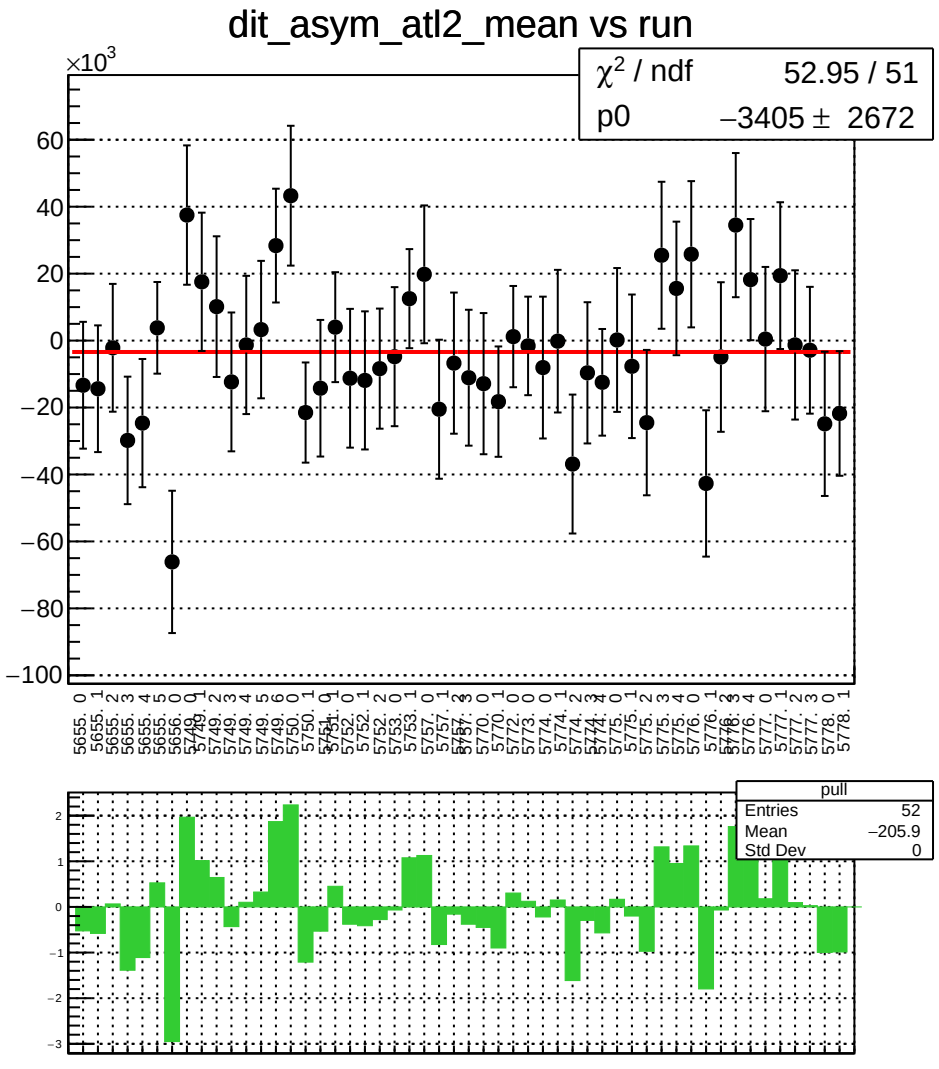
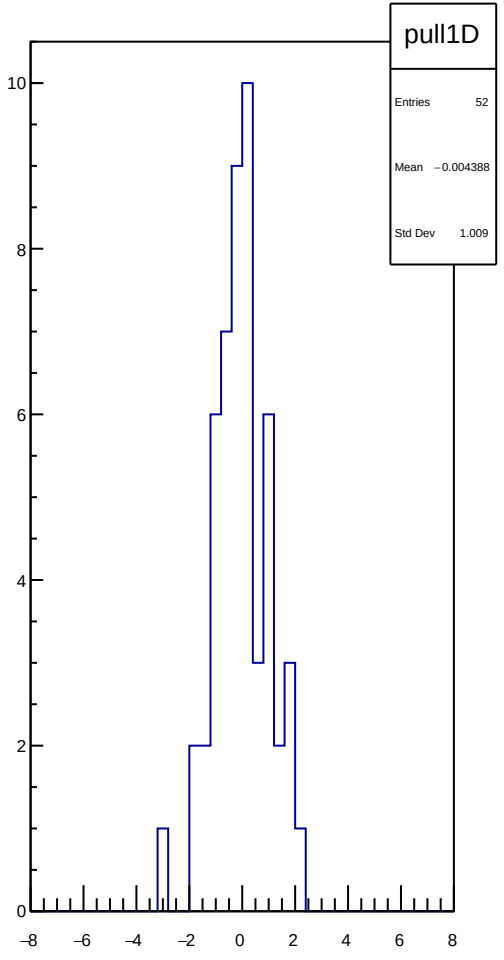
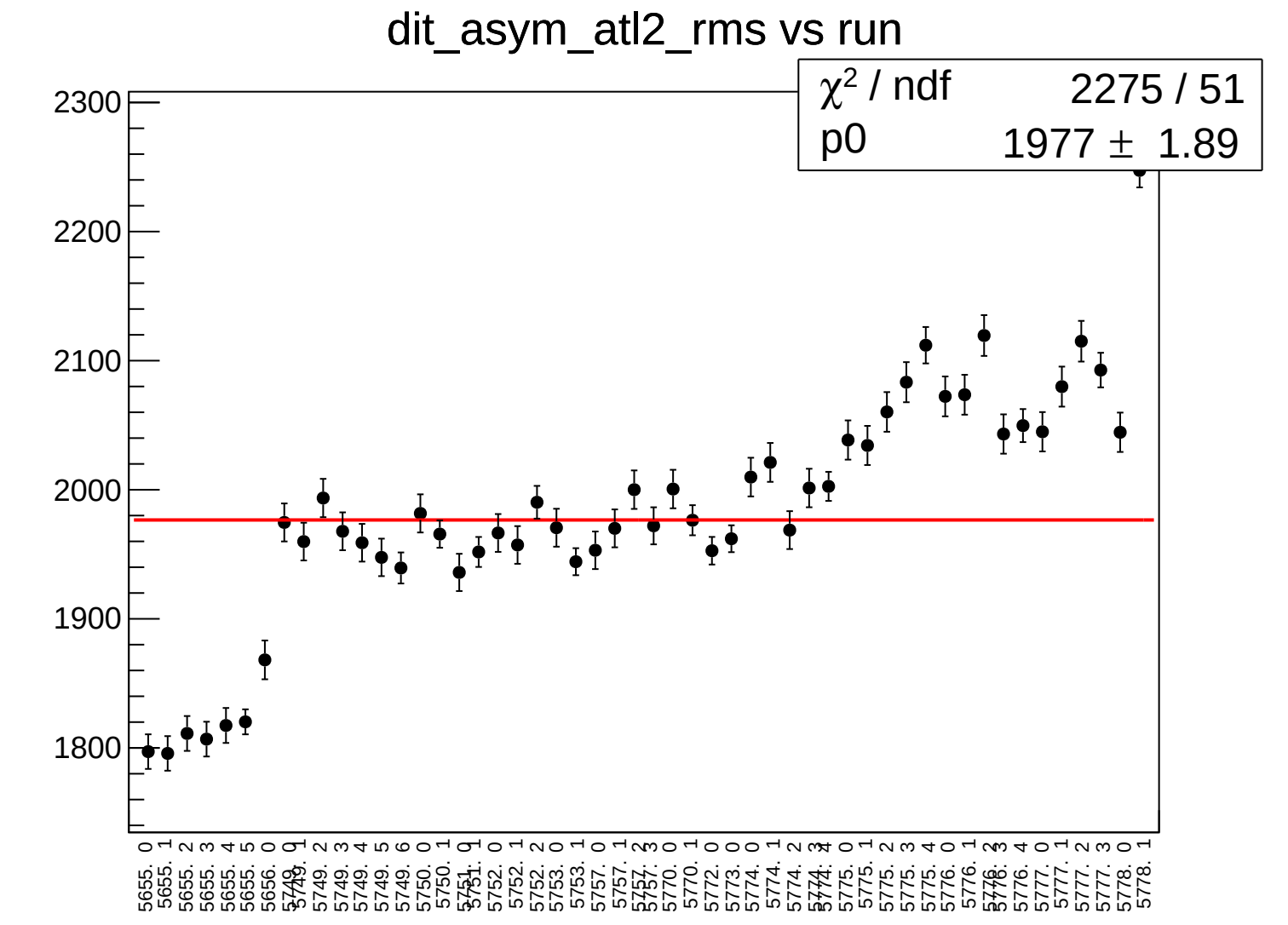
5778. 1


dit_asym_atl2_mean vs run
×10^3
χ² / ndf 52.95 / 51
p0 −3405 ± 2672
pull
Entries 52
Mean −205.9
Std Dev 0


pull1D
Entries 52
Mean −0.004388
Std Dev 1.009


dit_asym_atl2_rms vs run
χ² / ndf 2275 / 51
p0 1977 ± 1.89
2300
2200
2100
2000
1900
1800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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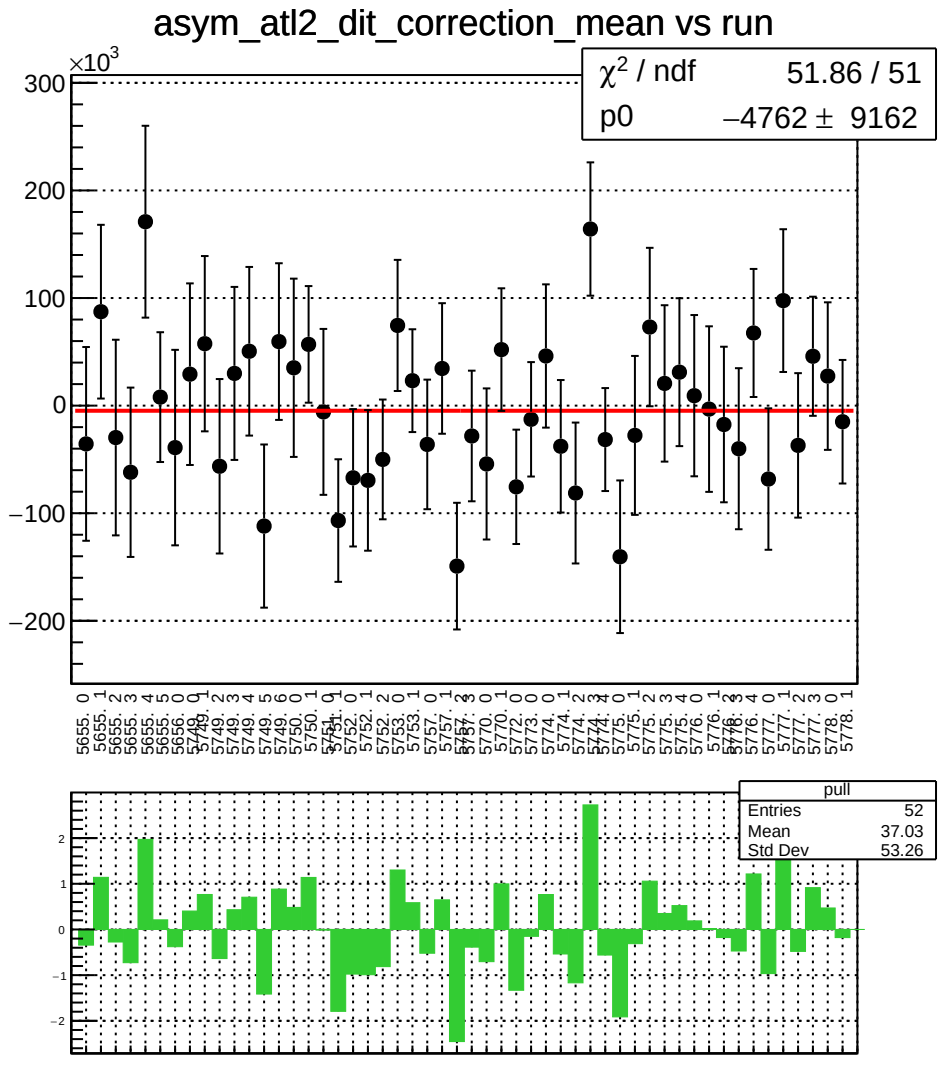
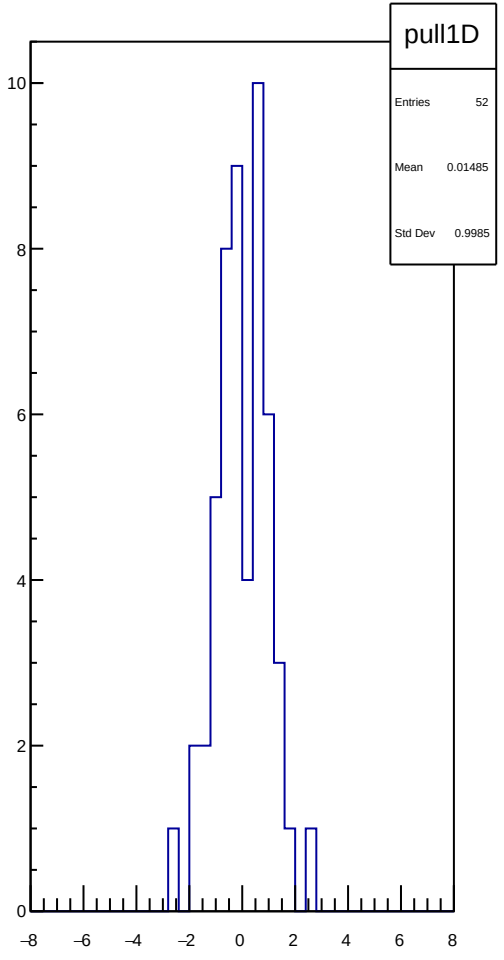
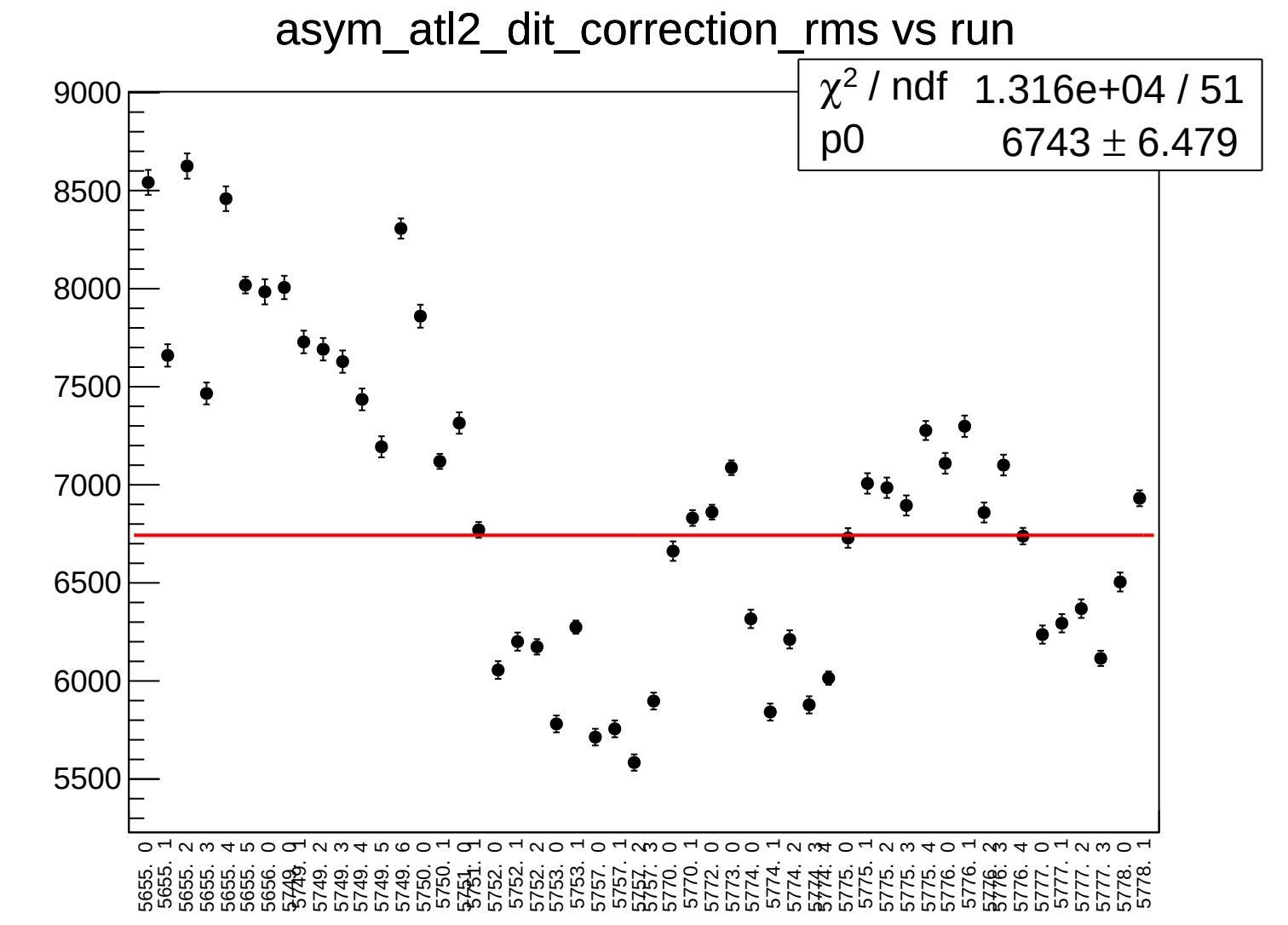
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl2_dit_correction_mean vs run
×10^3
χ^2 / ndf 51.86 / 51
p0 −4762 ± 9162
pull
Entries 52
Mean 37.03
Std Dev 53.26


pull1D
Entries 52
Mean 0.01485
Std Dev 0.9985


asym_atl2_dit_correction_rms vs run
χ² / ndf 1.316e+04 / 51
p0 6743 ± 6.479
9000
8500
8000
7500
7000
6500
6000
5500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
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5776. 0
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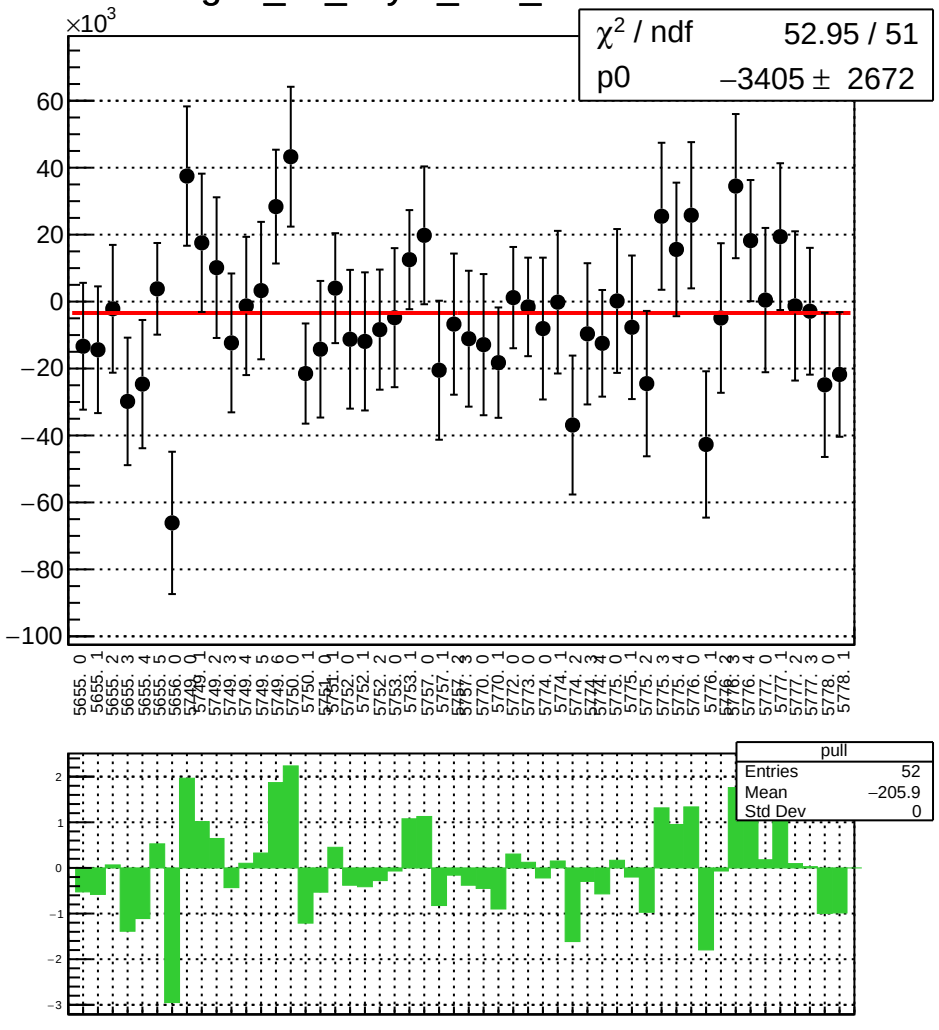
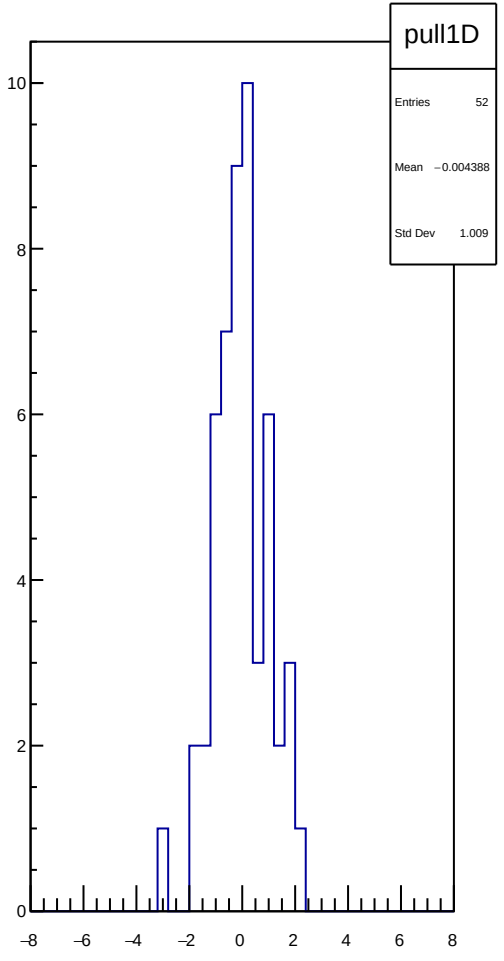
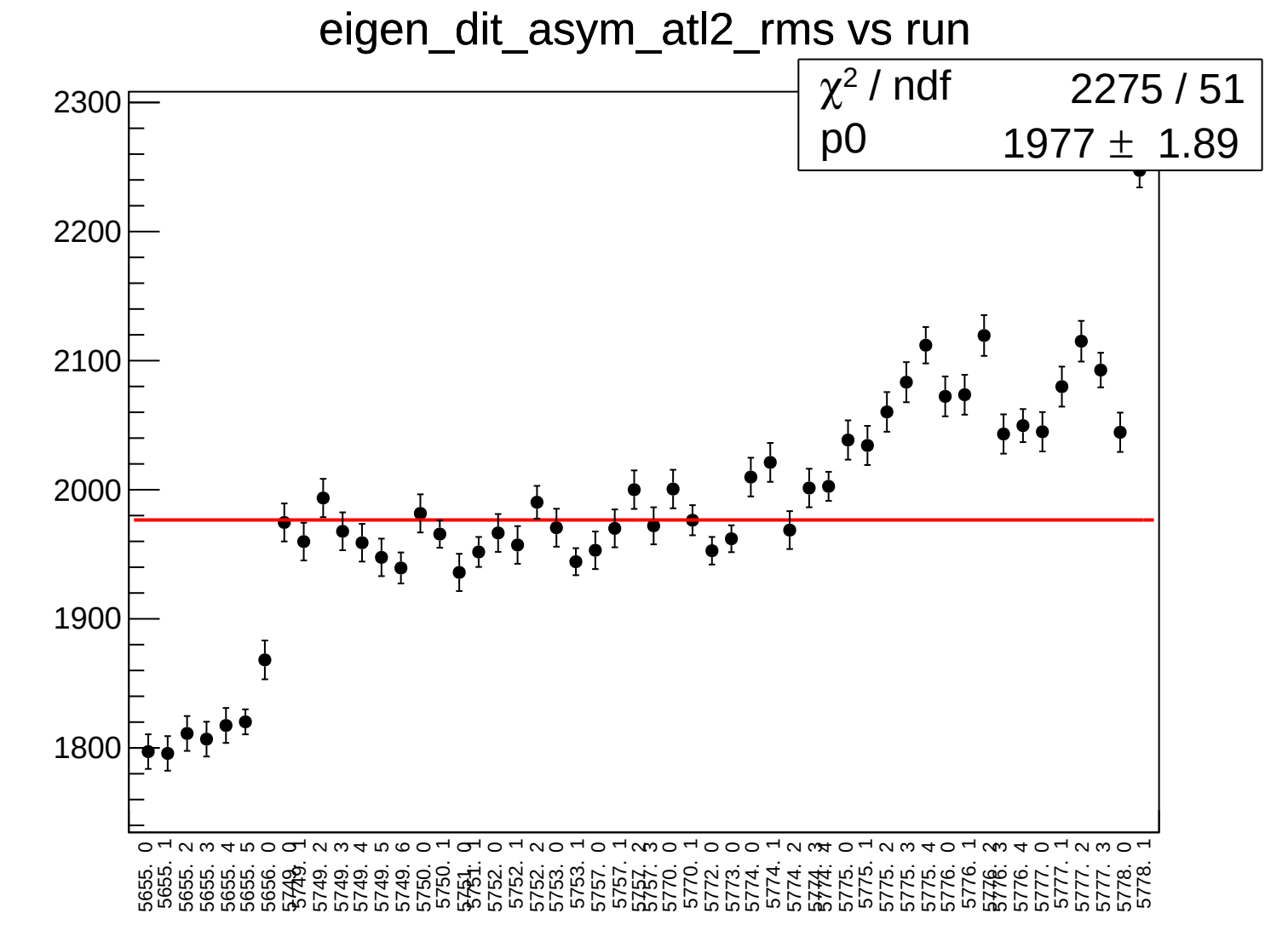

eigen_dit_asym_atl2_mean vs run
χ² / ndf 52.95 / 51
p0 −3405 ± 2672
×10³
pull
Entries 52
Mean −205.9
Std Dev 0


pull1D
Entries 52
Mean −0.004388
Std Dev 1.009


eigen_dit_asym_atl2_rms vs run
χ² / ndf 2275 / 51
p0 1977 ± 1.89
2300
2200
2100
2000
1900
1800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
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5774. 0
5774. 1
5774. 2
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5776. 0
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5777. 2
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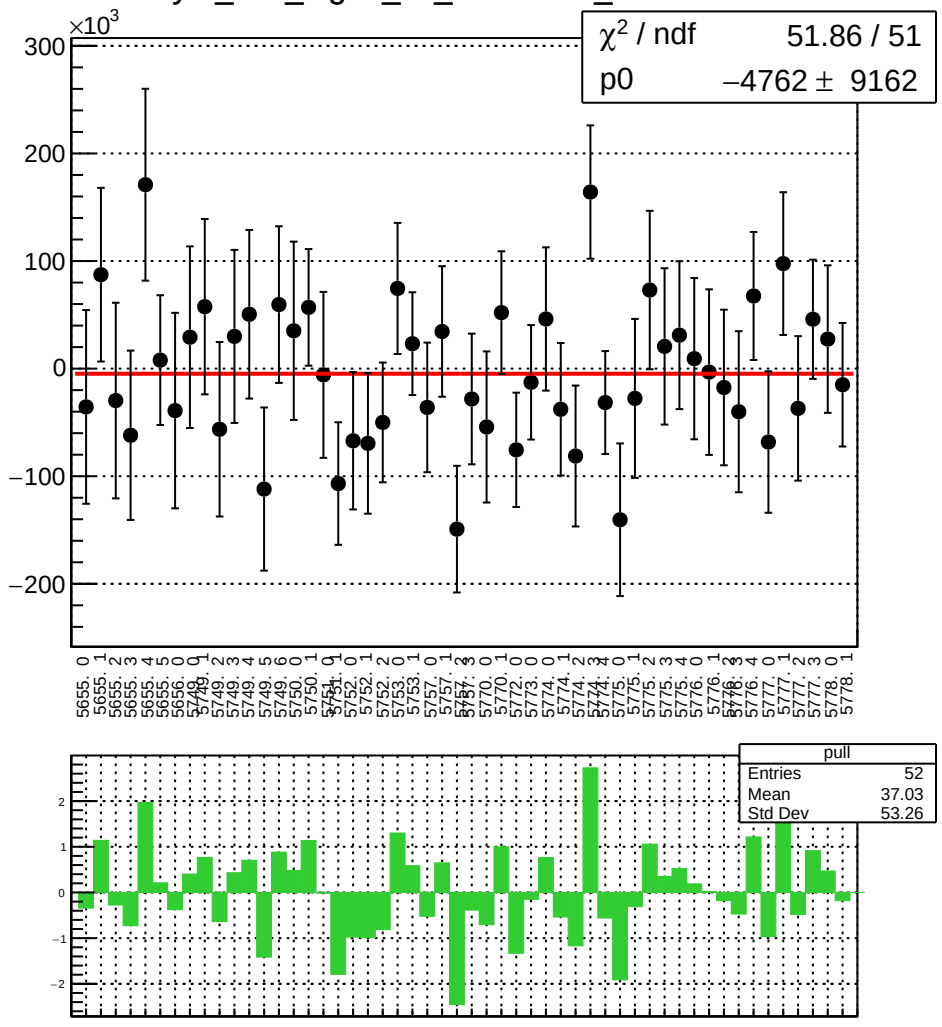
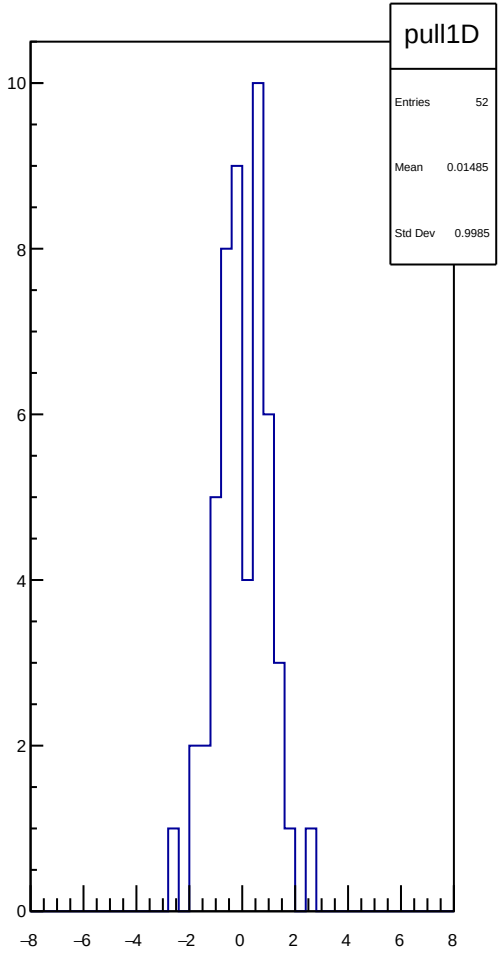
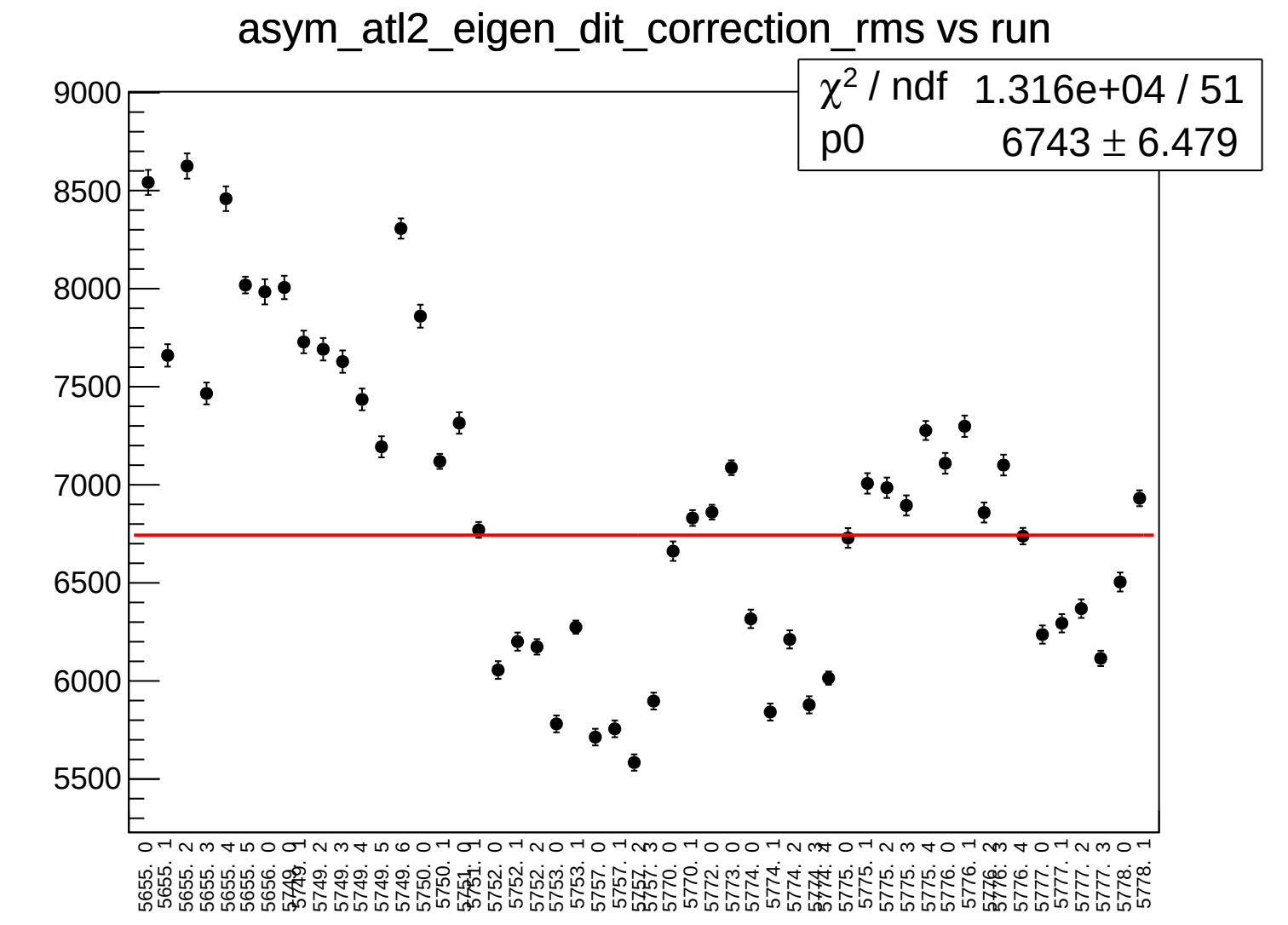
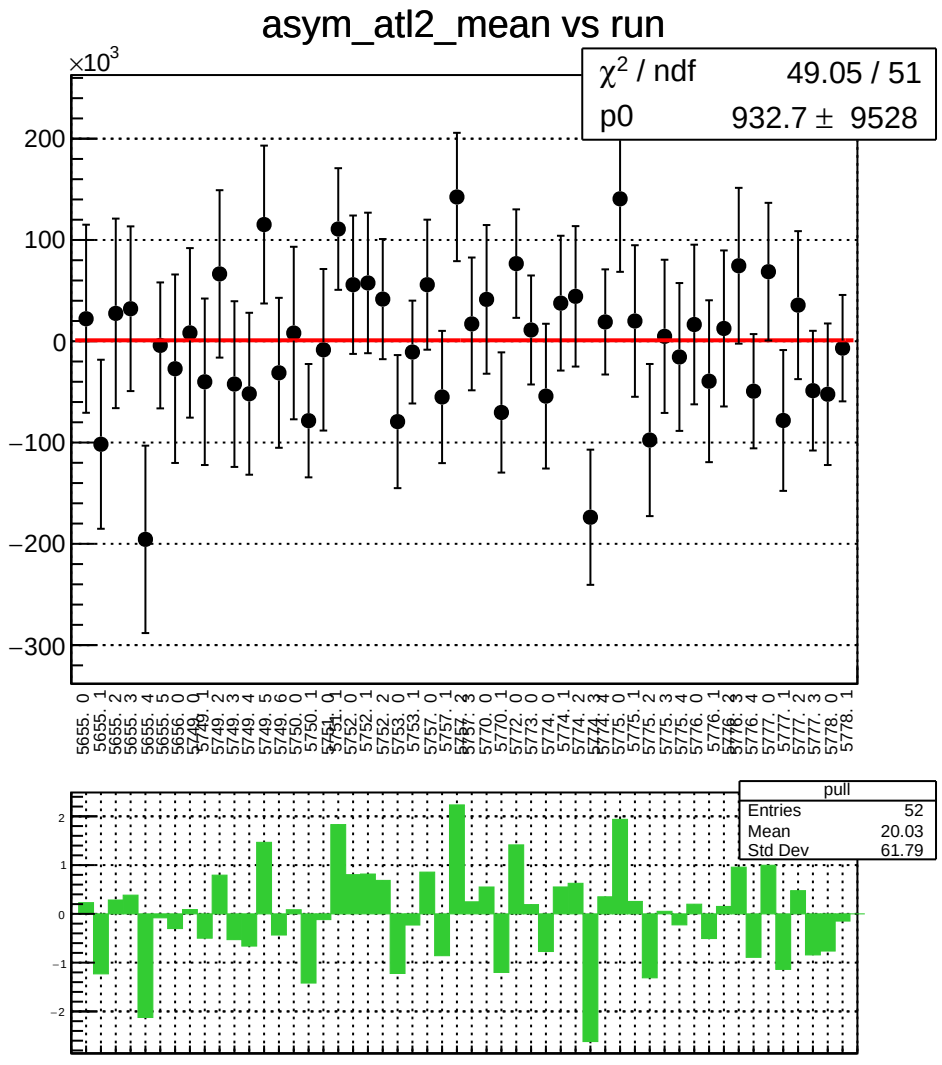
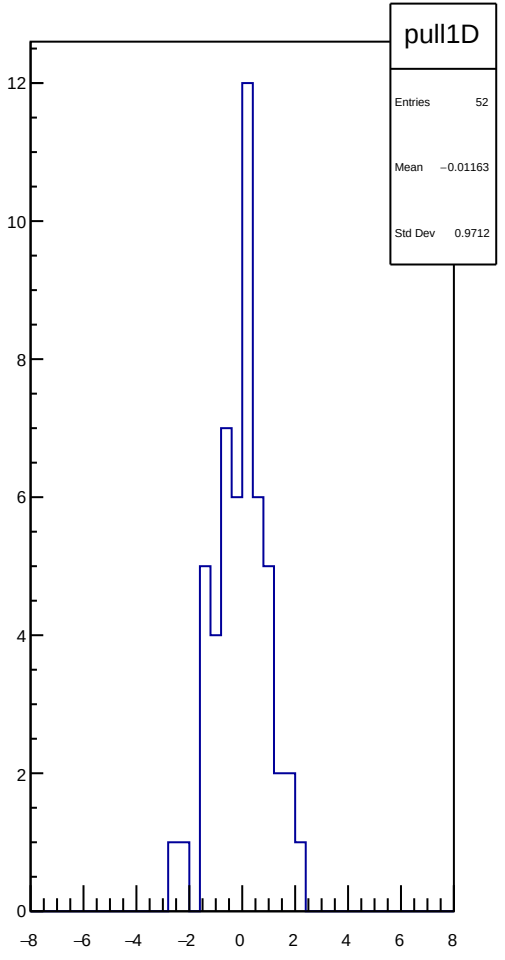
5778. 0
5778. 1

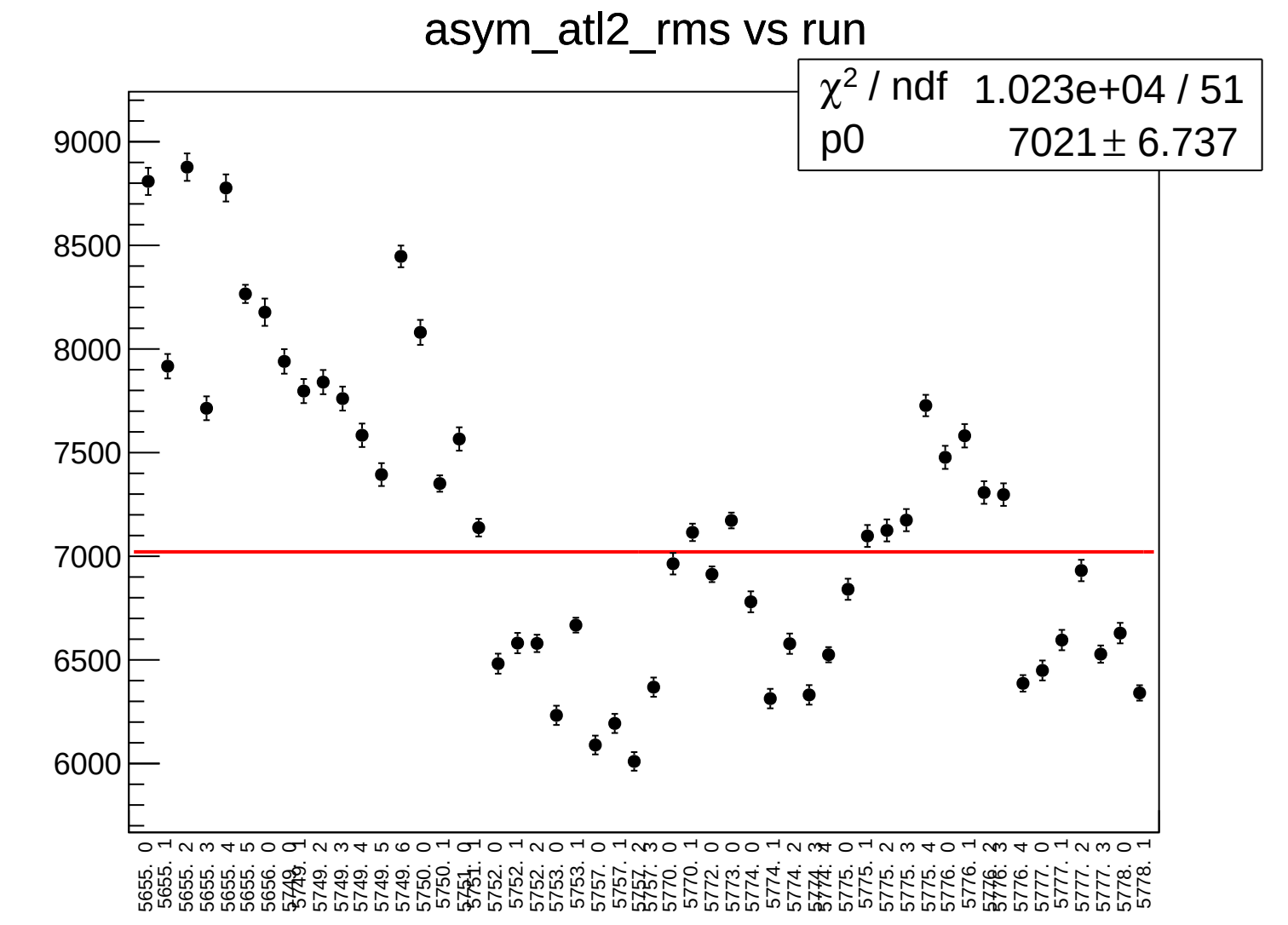

asym_atl2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 51.86 / 51
p0 −4762 ± 9162
pull
Entries 52
Mean 37.03
Std Dev 53.26

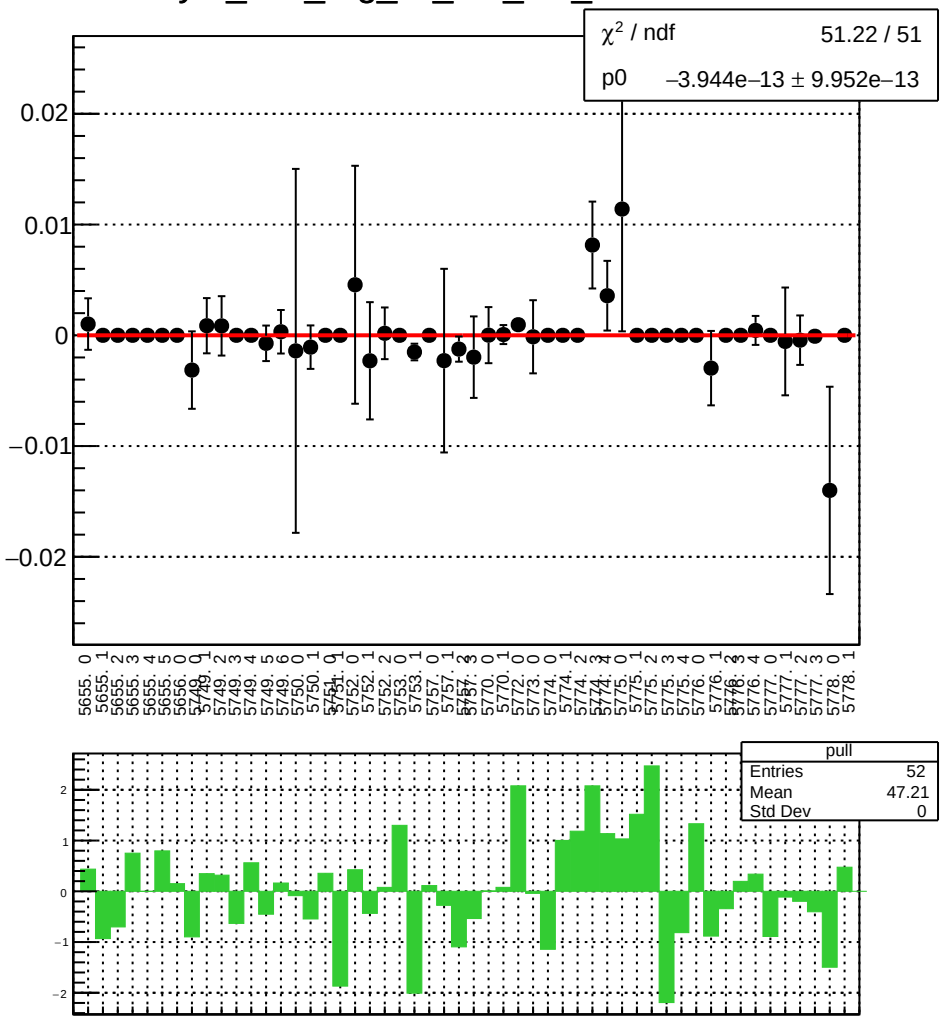

pull1D
Entries 52
Mean 0.01485
Std Dev 0.9985

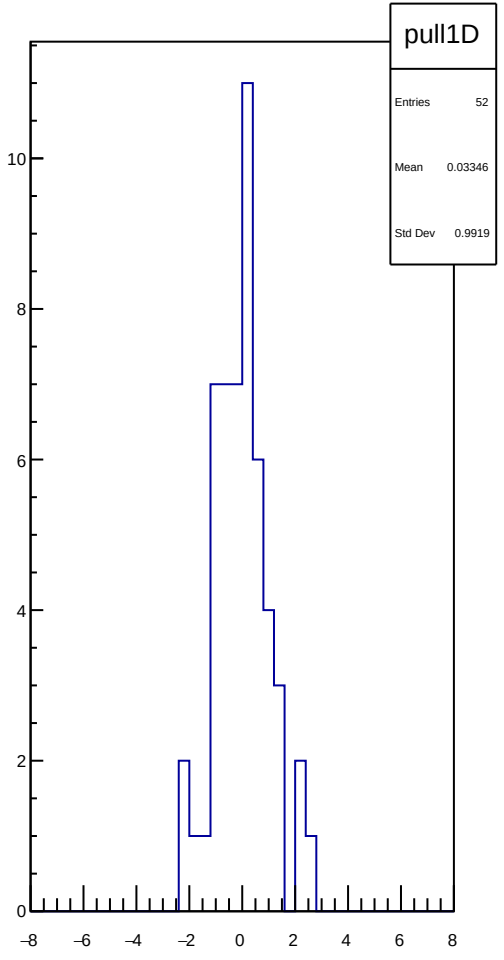

asym_atl2_eigen_dit_correction_rms vs run
χ² / ndf 1.316e+04 / 51
p0 6743 ± 6.479
9000
8500
8000
7500
7000
6500
6000
5500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

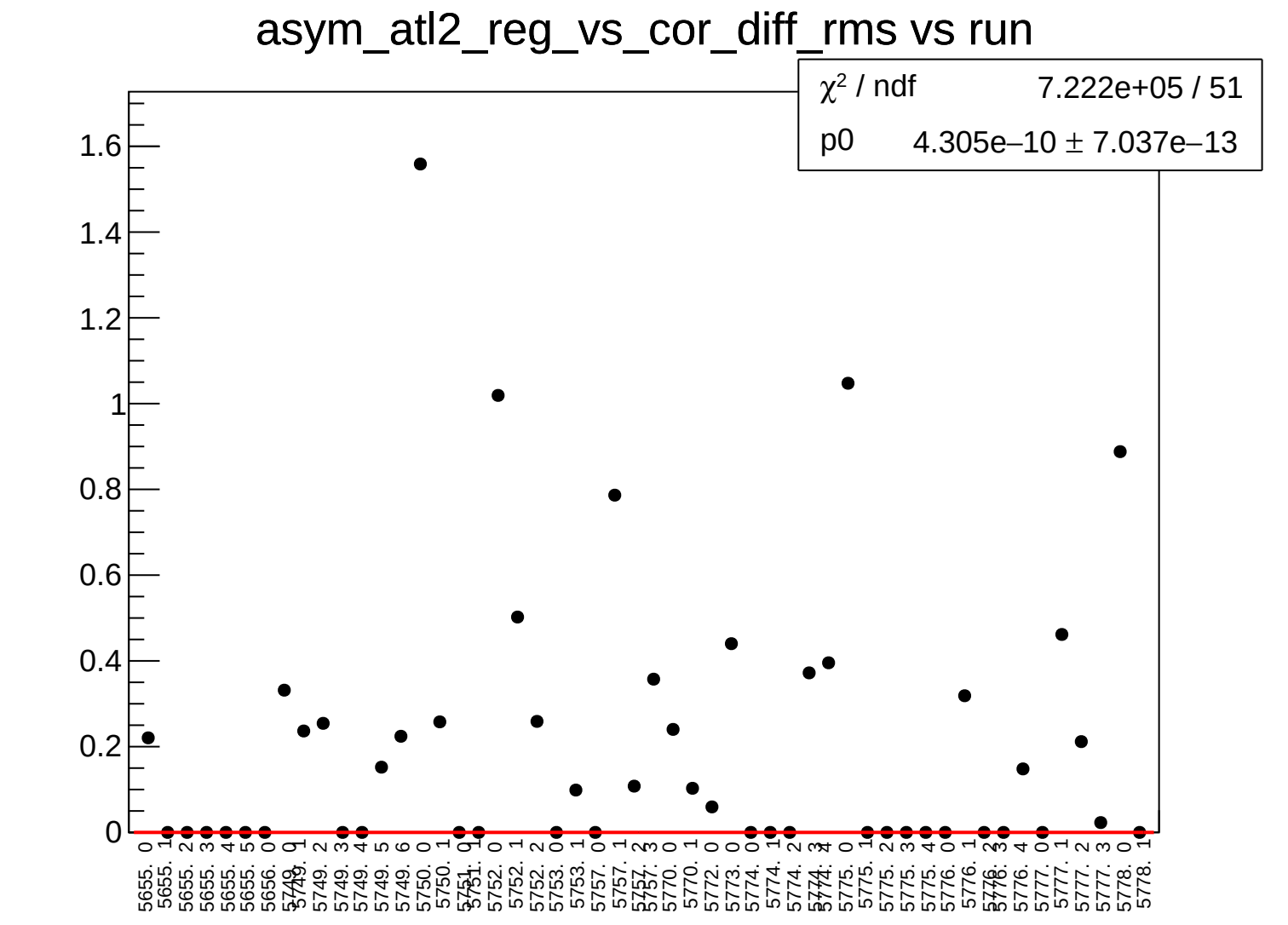

asym_atl2_mean vs run
×10^3
χ^2 / ndf 49.05 / 51
p0 932.7 ± 9528
200
100
0
−100
−200
−300
pull
Entries 52
Mean 20.03
Std Dev 61.79
2
1
0
−1
−2

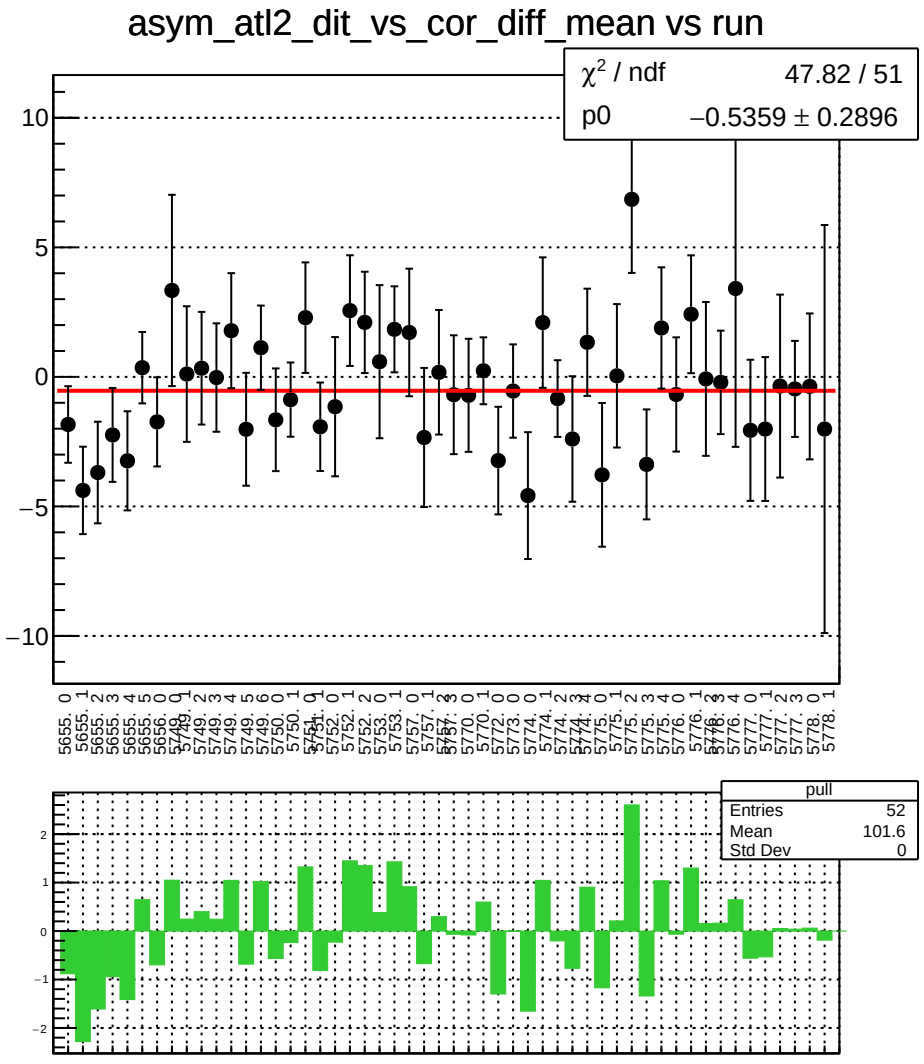

pull1D
Entries 52
Mean −0.01163
Std Dev 0.9712
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

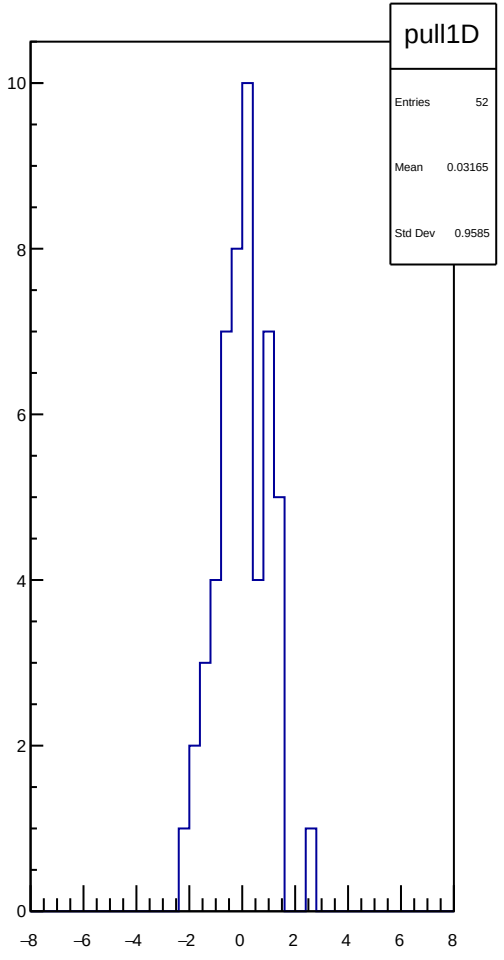

asym_atl2_rms vs run
χ^2 / ndf 1.023e+04 / 51
p0 7021 ± 6.737
9000
8500
8000
7500
7000
6500
6000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

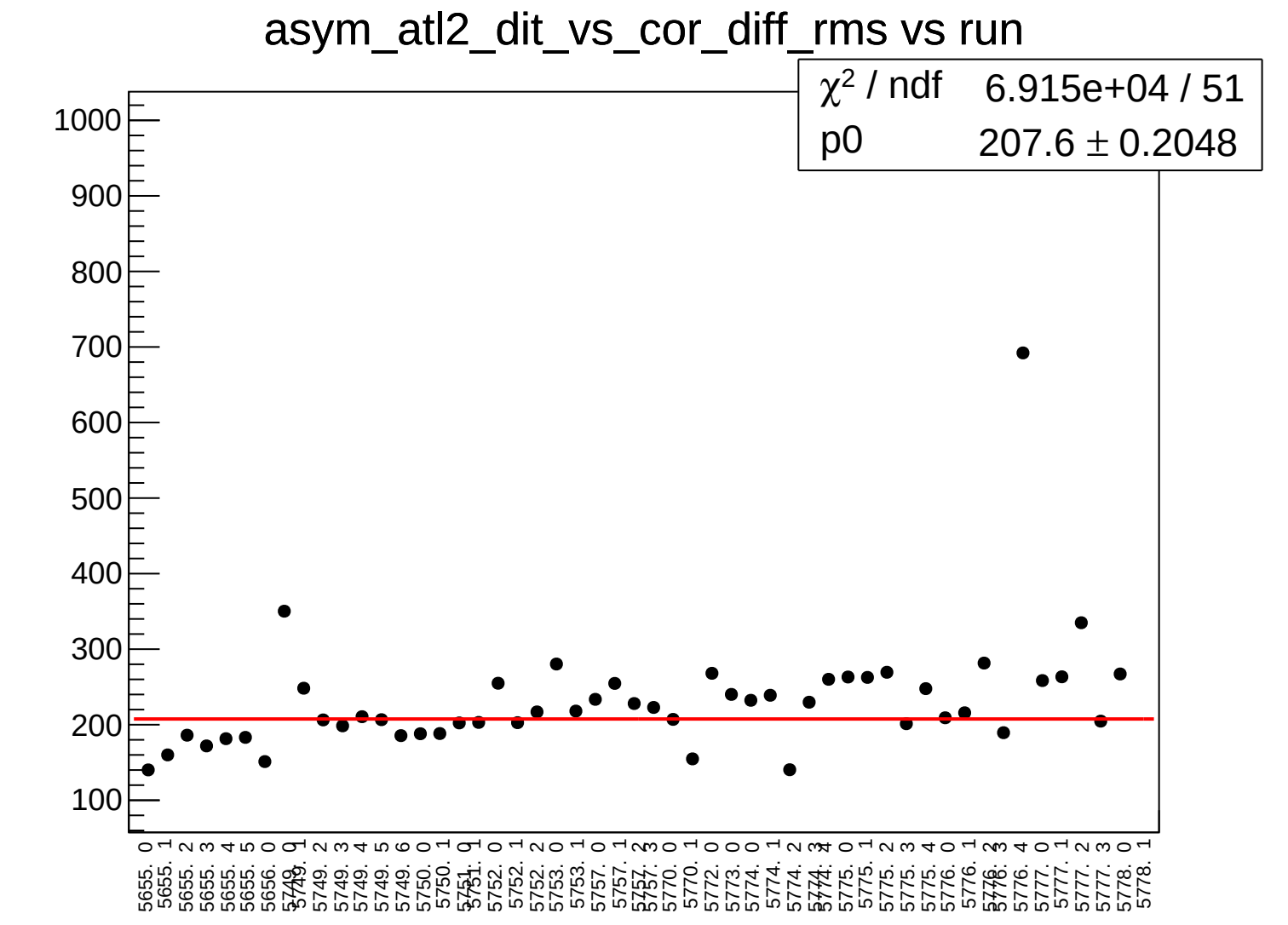

asym_atl2_reg_vs_cor_diff_mean vs run
χ² / ndf 51.22 / 51
p0 −3.944e−13 ± 9.952e−13
0.02
0.01
0
−0.01
−0.02
pull
Entries 52
Mean 47.21
Std Dev 0

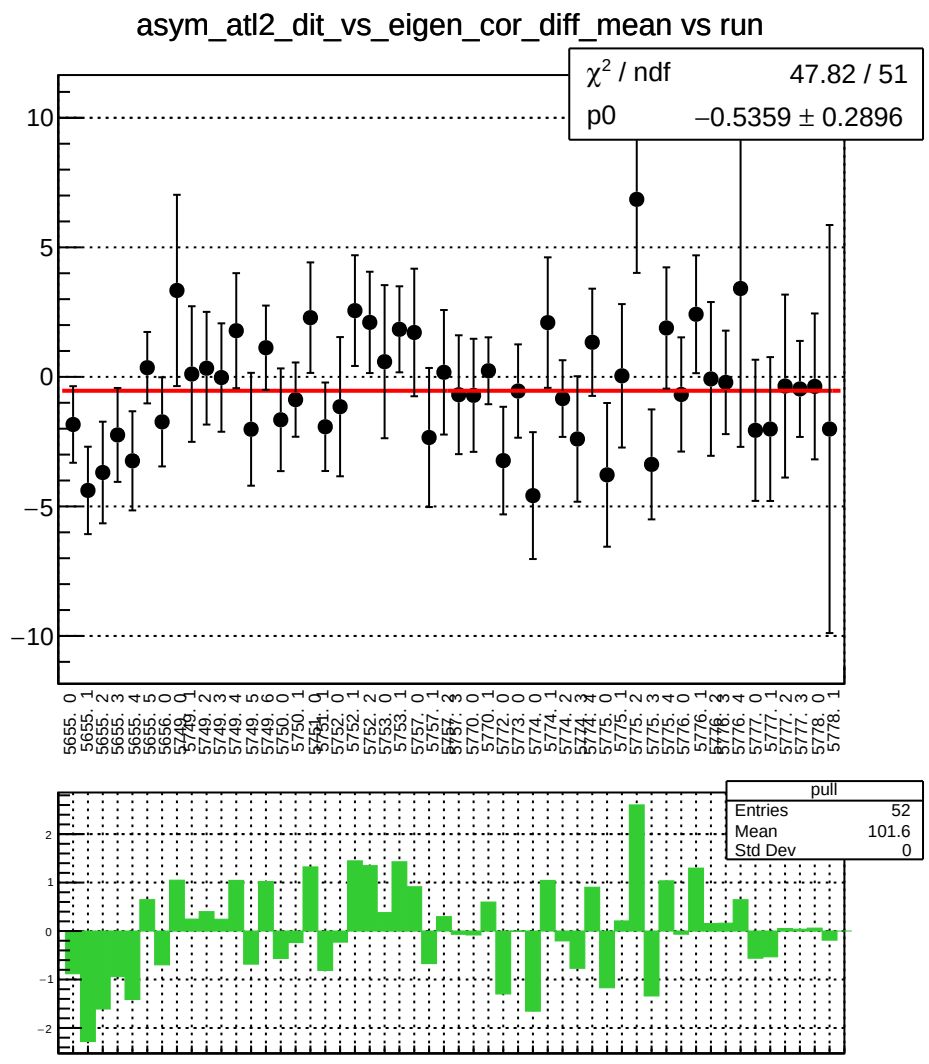

pull1D
Entries 52
Mean 0.03346
Std Dev 0.9919
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

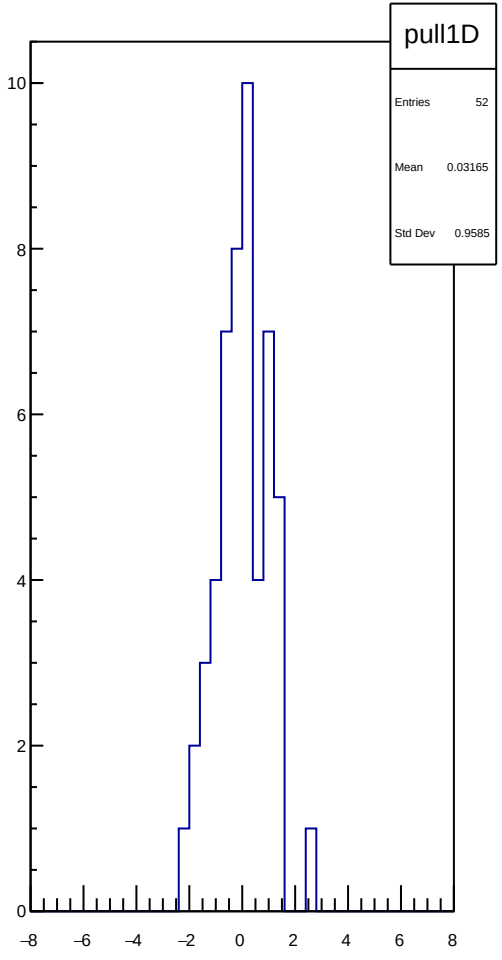

asym_atl2_reg_vs_cor_diff_rms vs run
χ² / ndf 7.222e+05 / 51
p0 4.305e−10 ± 7.037e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

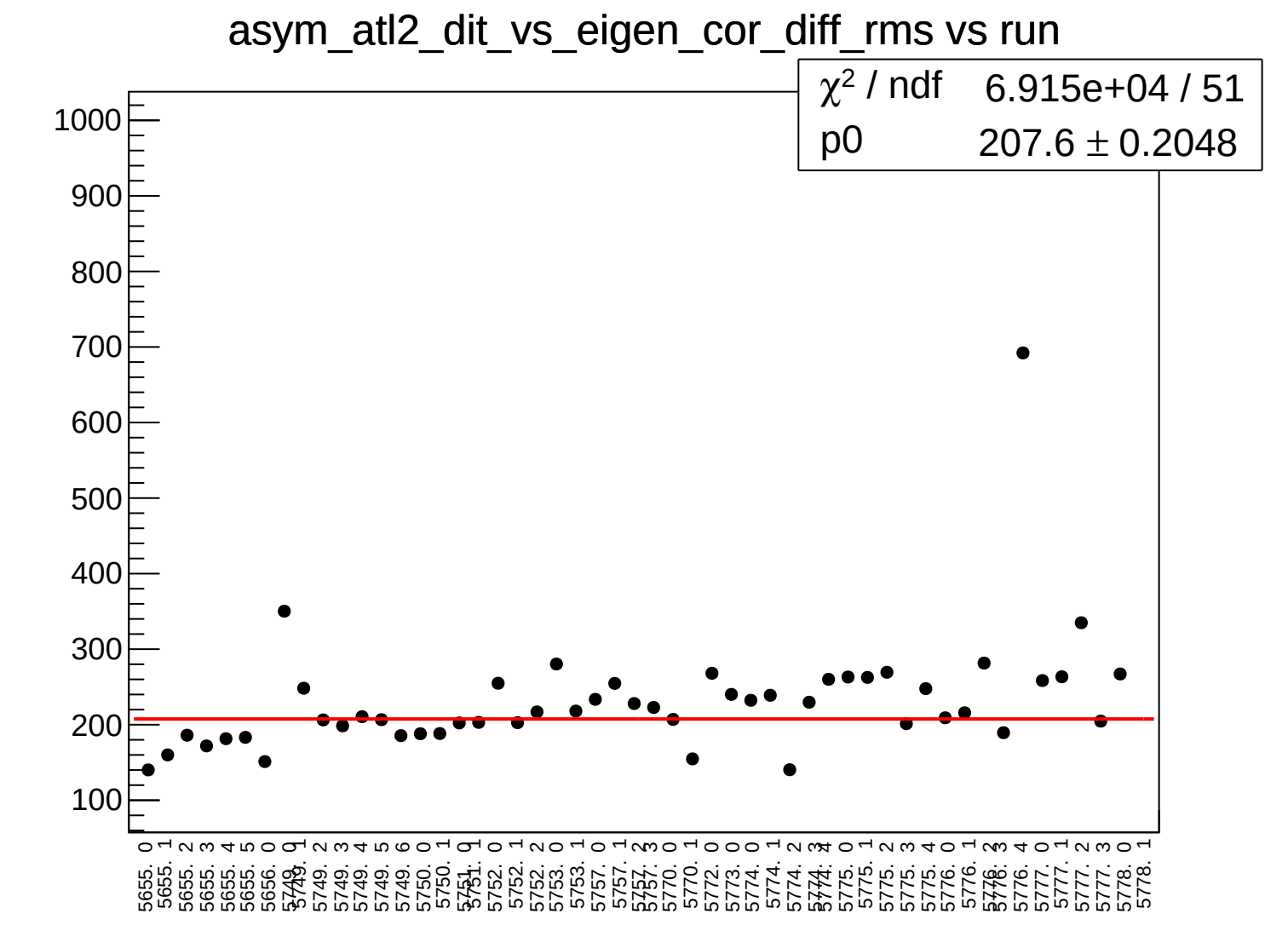

asym_atl2_dit_vs_cor_diff_mean vs run
χ² / ndf 47.82 / 51
p0 −0.5359 ± 0.2896
pull
Entries 52
Mean 101.6
Std Dev 0

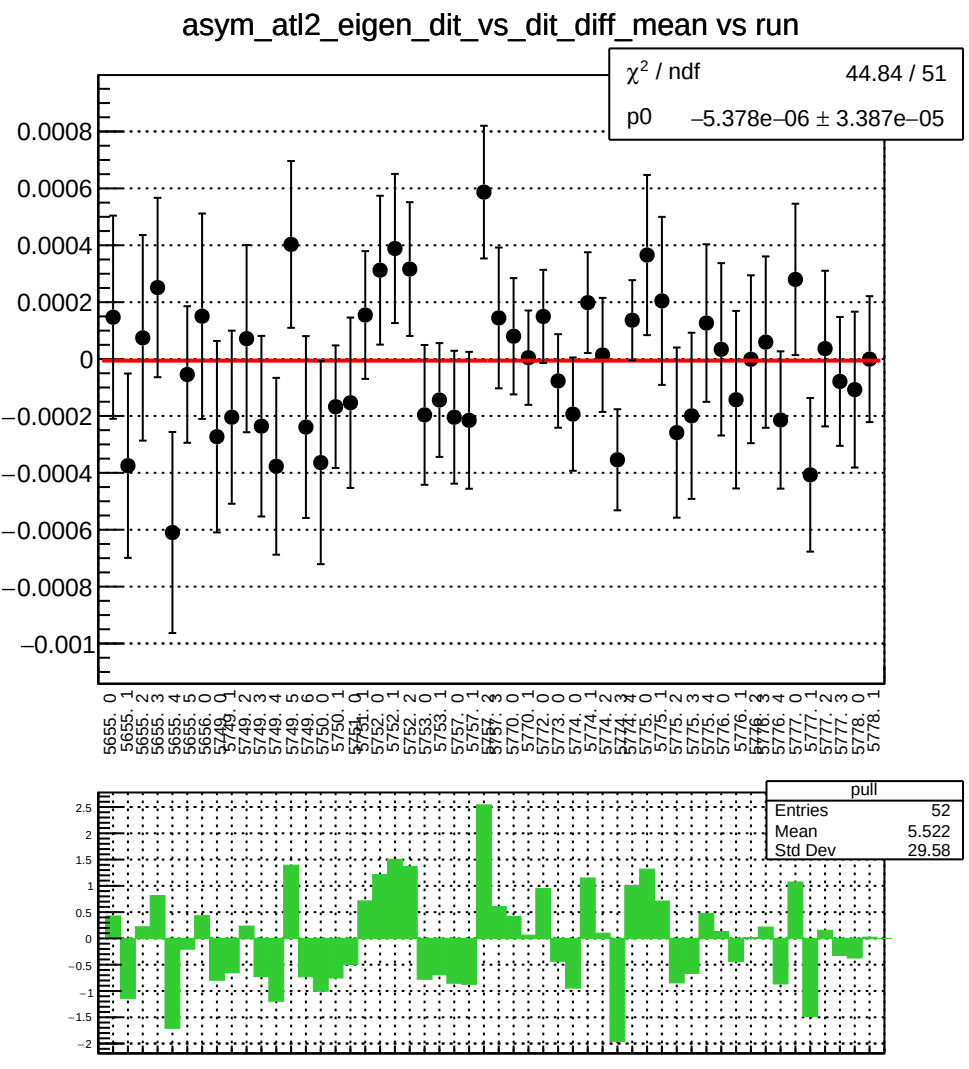

pull1D
Entries 52
Mean 0.03165
Std Dev 0.9585

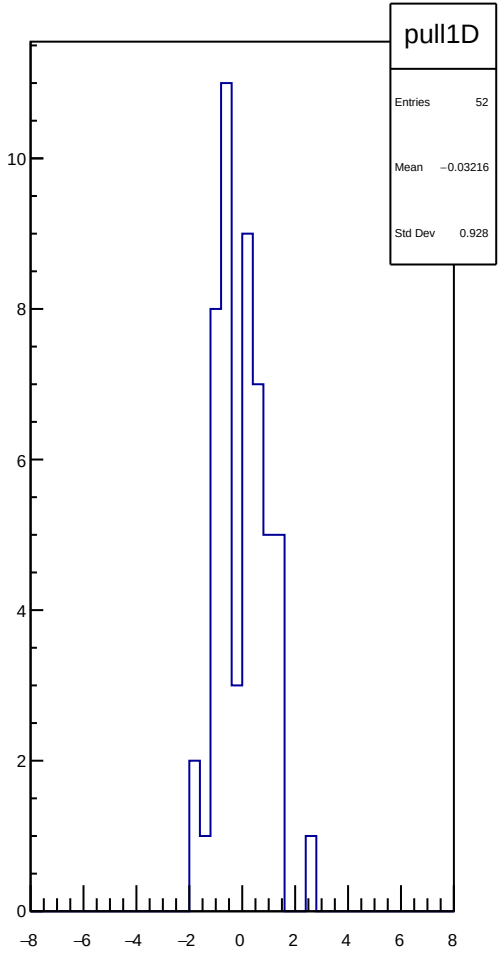

asym_atl2_dit_vs_cor_diff_rms vs run
χ² / ndf 6.915e+04 / 51
p0 207.6 ± 0.2048
1000
900
800
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

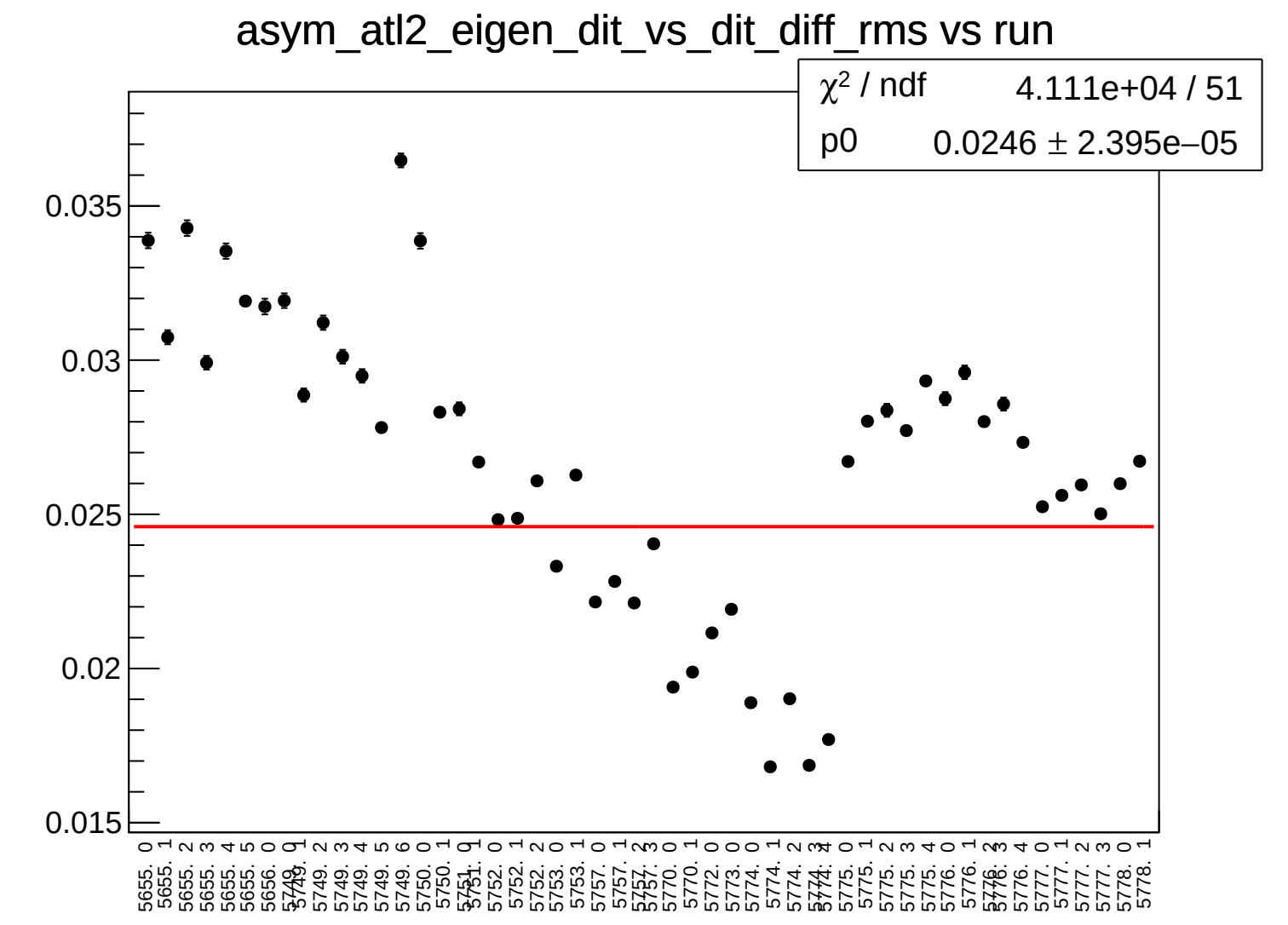

asym_atl2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.82 / 51
p0 −0.5359 ± 0.2896
pull
Entries 52
Mean 101.6
Std Dev 0

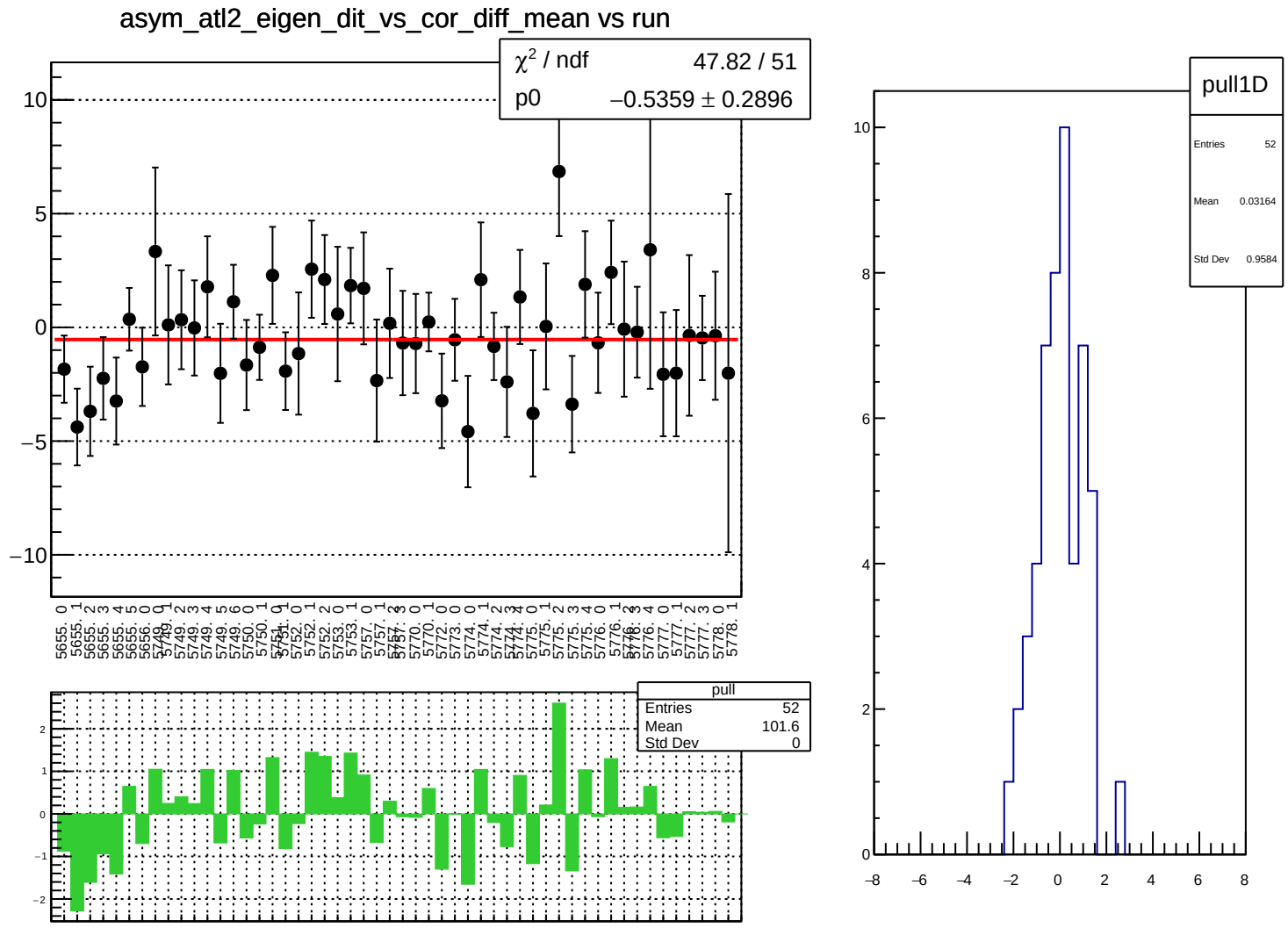

pull1D
Entries 52
Mean 0.03165
Std Dev 0.9585

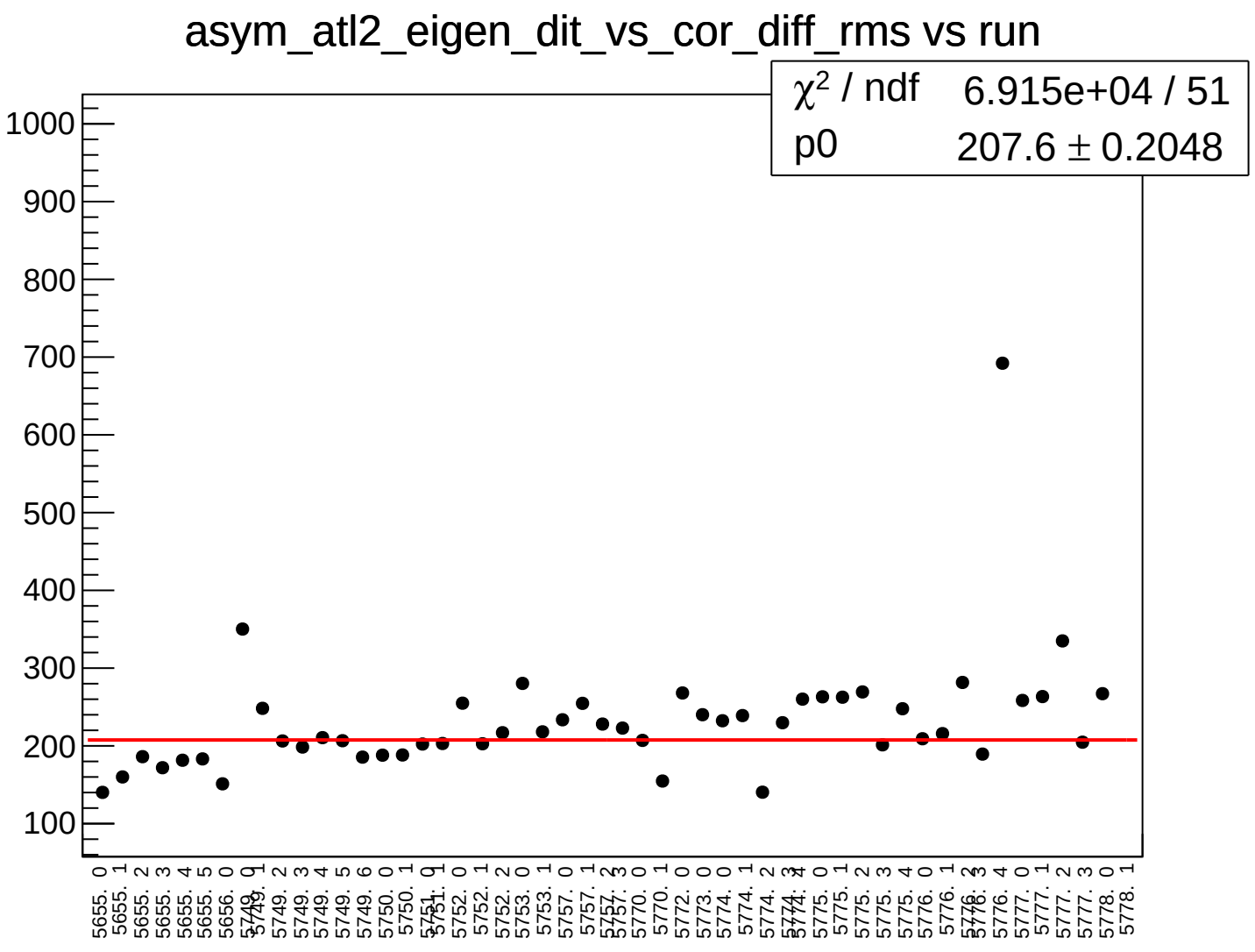

asym_atl2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.915e+04 / 51
p0 207.6 ± 0.2048
1000
900
800
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

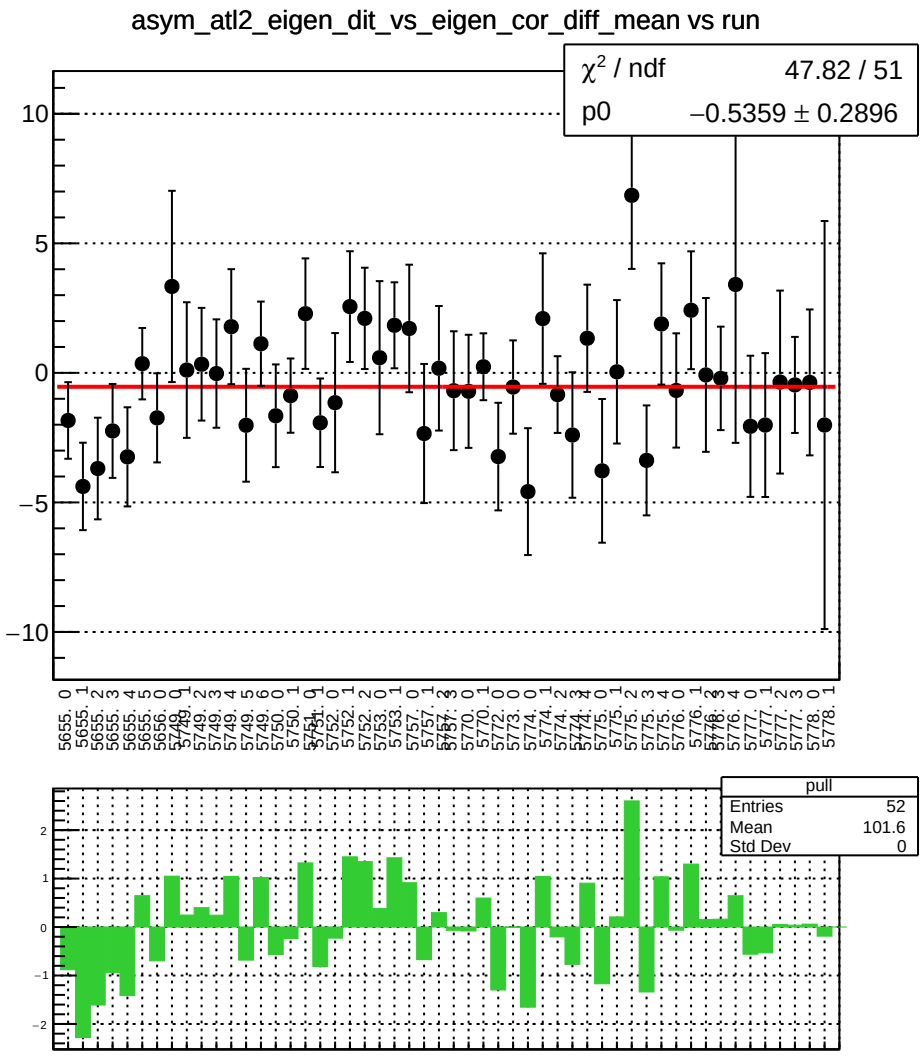

asym_atl2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 44.84 / 51
p0 −5.378e−06 ± 3.387e−05
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
pull
Entries 52
Mean 5.522
Std Dev 29.58

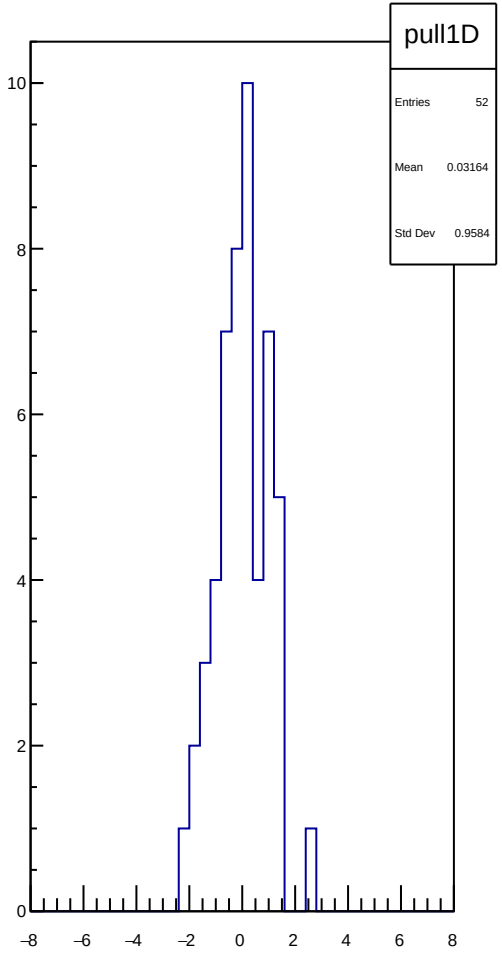

pull1D
Entries 52
Mean −0.03216
Std Dev 0.928

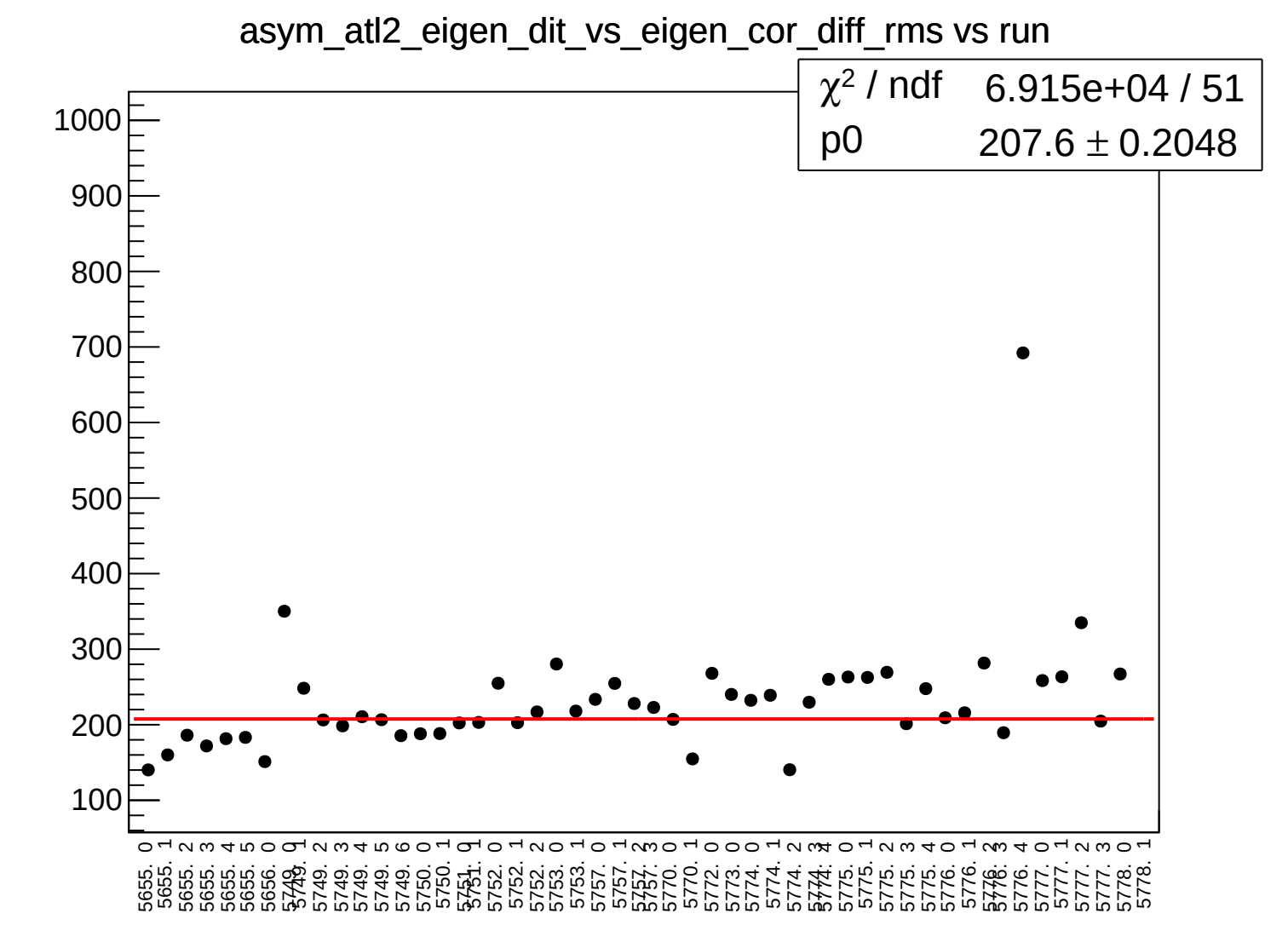

asym_atl2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.111e+04 / 51
p0 0.0246 ± 2.395e−05
0.035
0.03
0.025
0.02
0.015
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

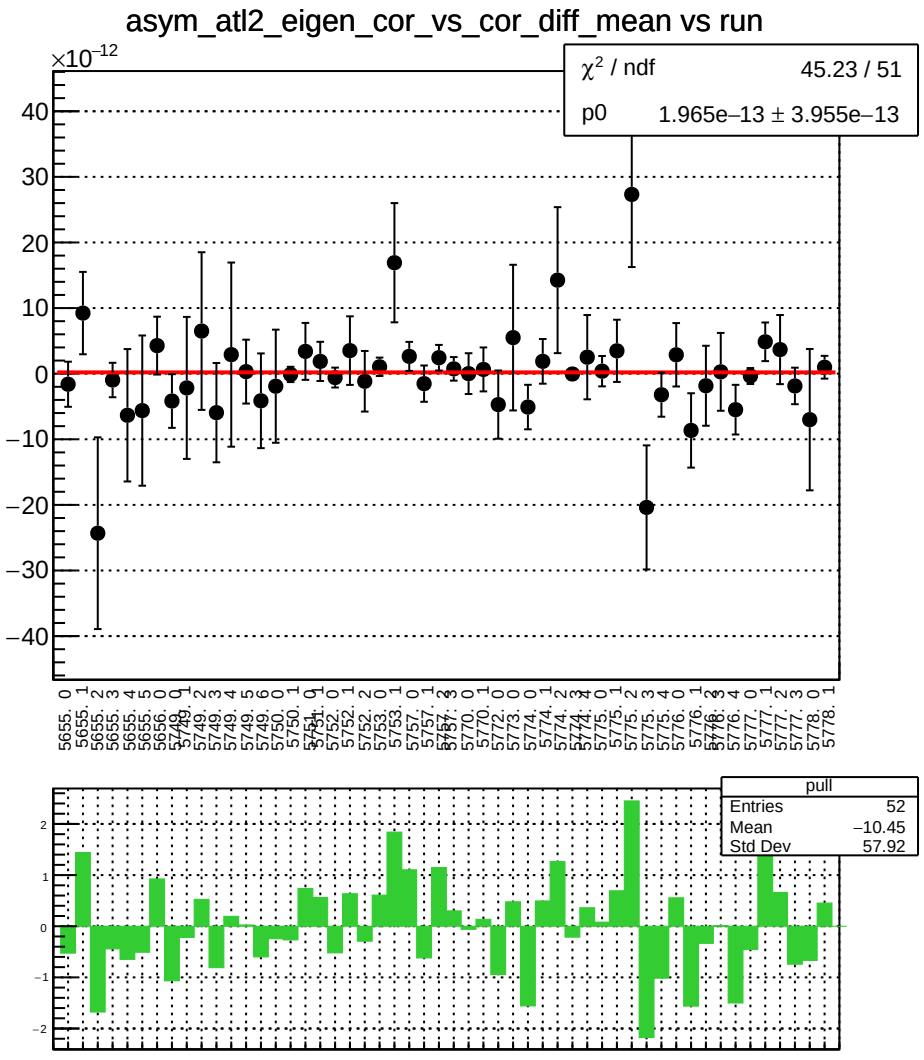

asym_atl2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.82 / 51
p0 −0.5359 ± 0.2896
pull
Entries 52
Mean 101.6
Std Dev 0
pull1D
Entries 52
Mean 0.03164
Std Dev 0.9584

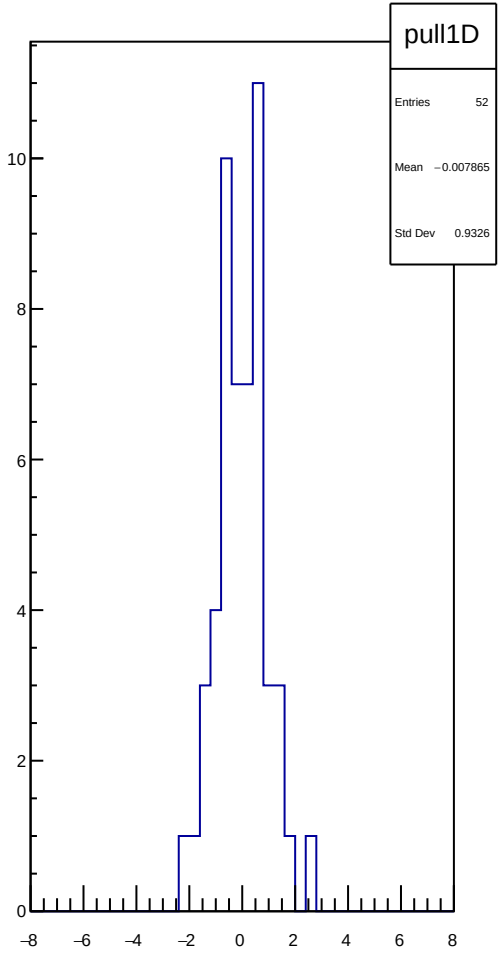

asym_atl2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.915e+04 / 51
p0 207.6 ± 0.2048
1000
900
800
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

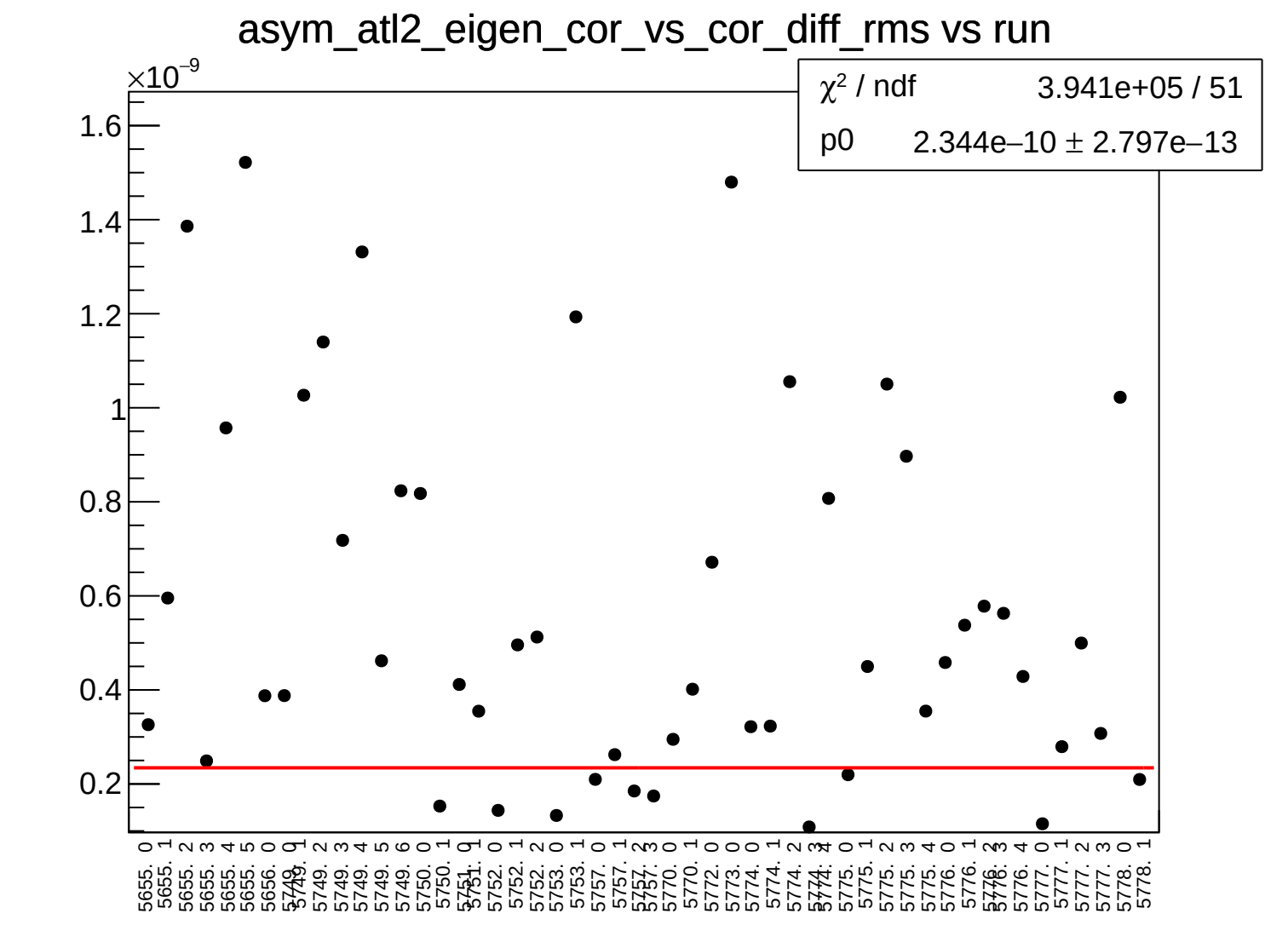

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.82 / 51
p0 −0.5359 ± 0.2896
pull
Entries 52
Mean 101.6
Std Dev 0

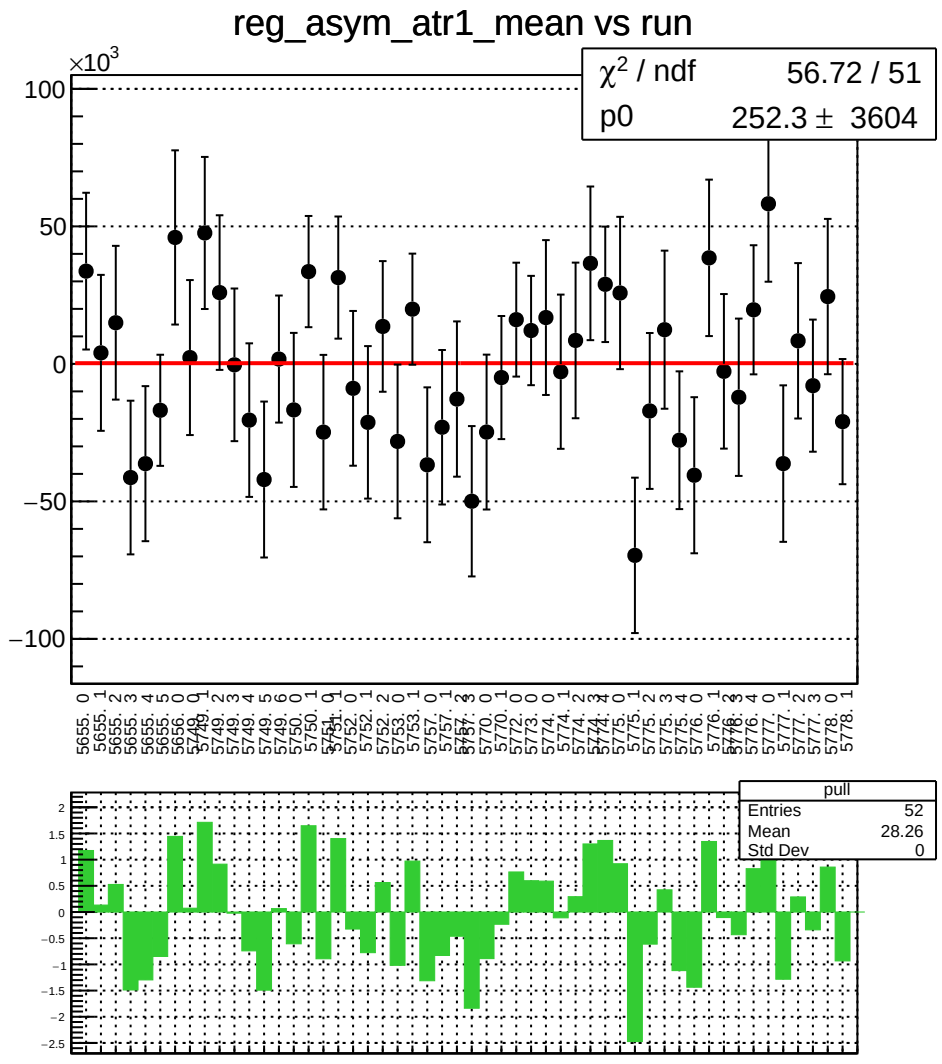

pull1D
Entries 52
Mean 0.03164
Std Dev 0.9584

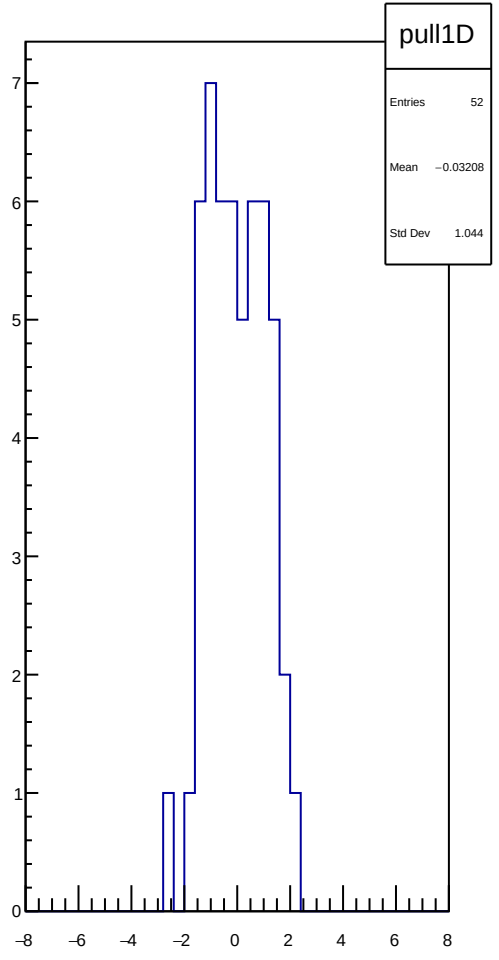

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.915e+04 / 51
p0 207.6 ± 0.2048
1000
900
800
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

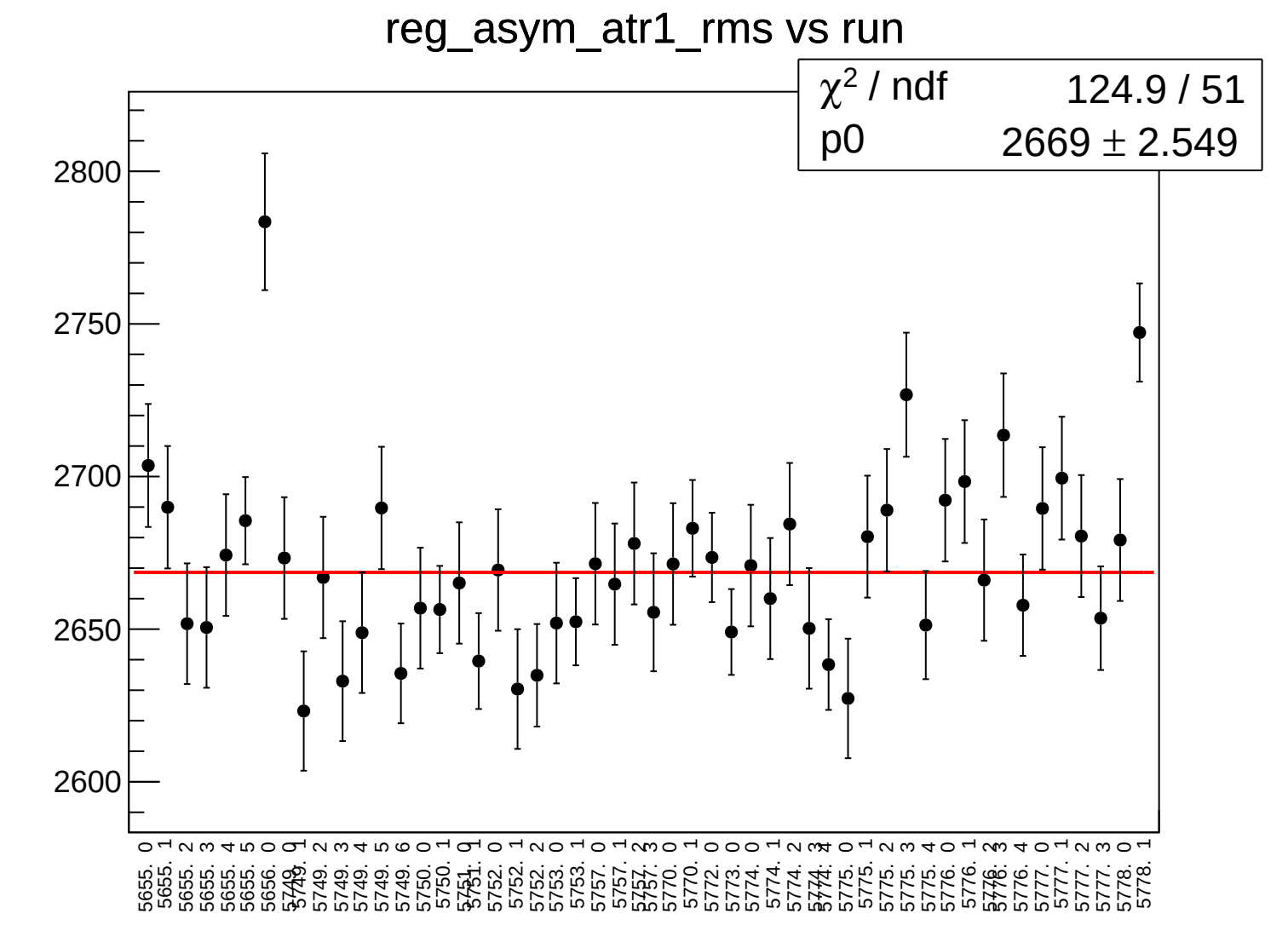

asym_atl2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 45.23 / 51
p0 1.965e−13 ± 3.955e−13
pull
Entries 52
Mean −10.45
Std Dev 57.92

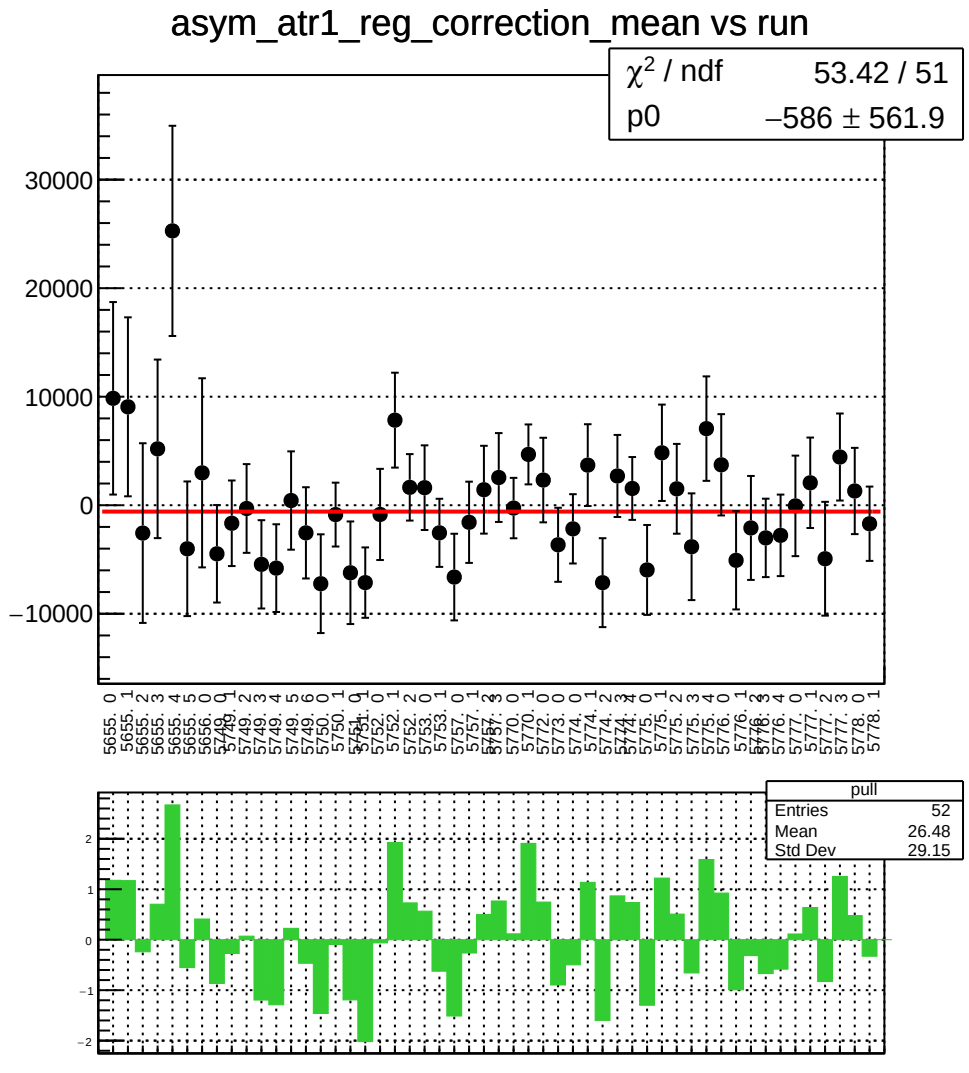

pull1D
Entries 52
Mean −0.007865
Std Dev 0.9326

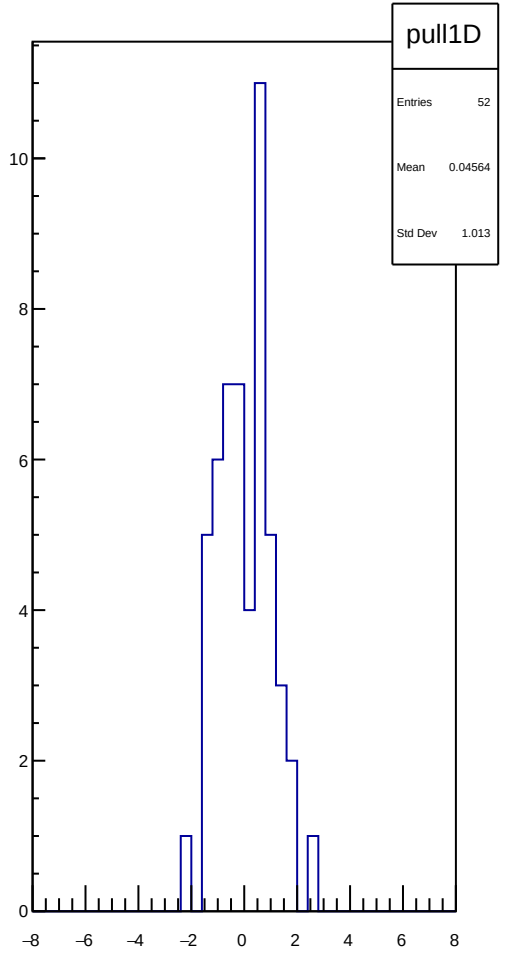

asym_atl2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.941e+05 / 51
p0 2.344e−10 ± 2.797e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

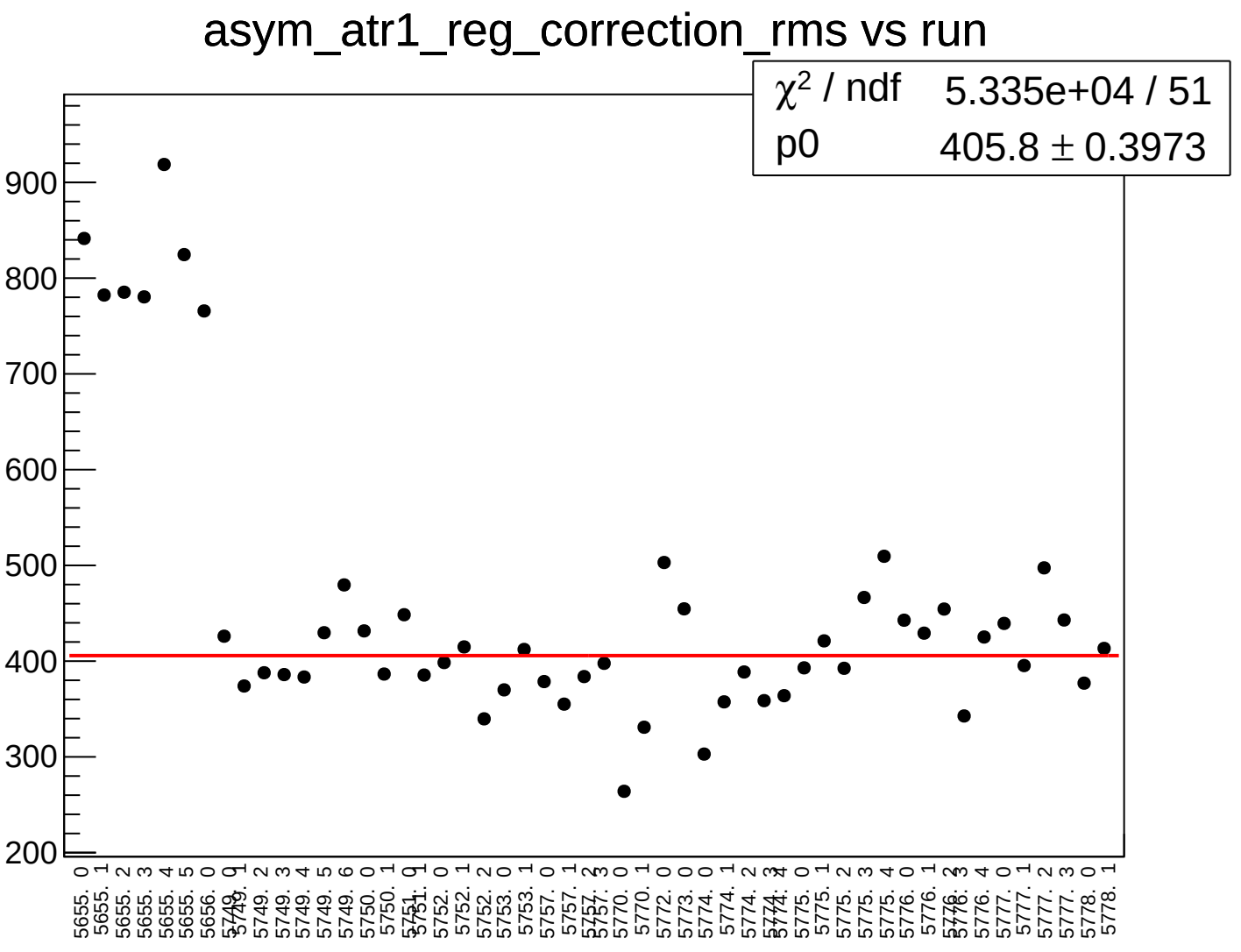

reg_asym_atr1_mean vs run
×10^3
χ² / ndf 56.72 / 51
p0 252.3 ± 3604
pull
Entries 52
Mean 28.26
Std Dev 0

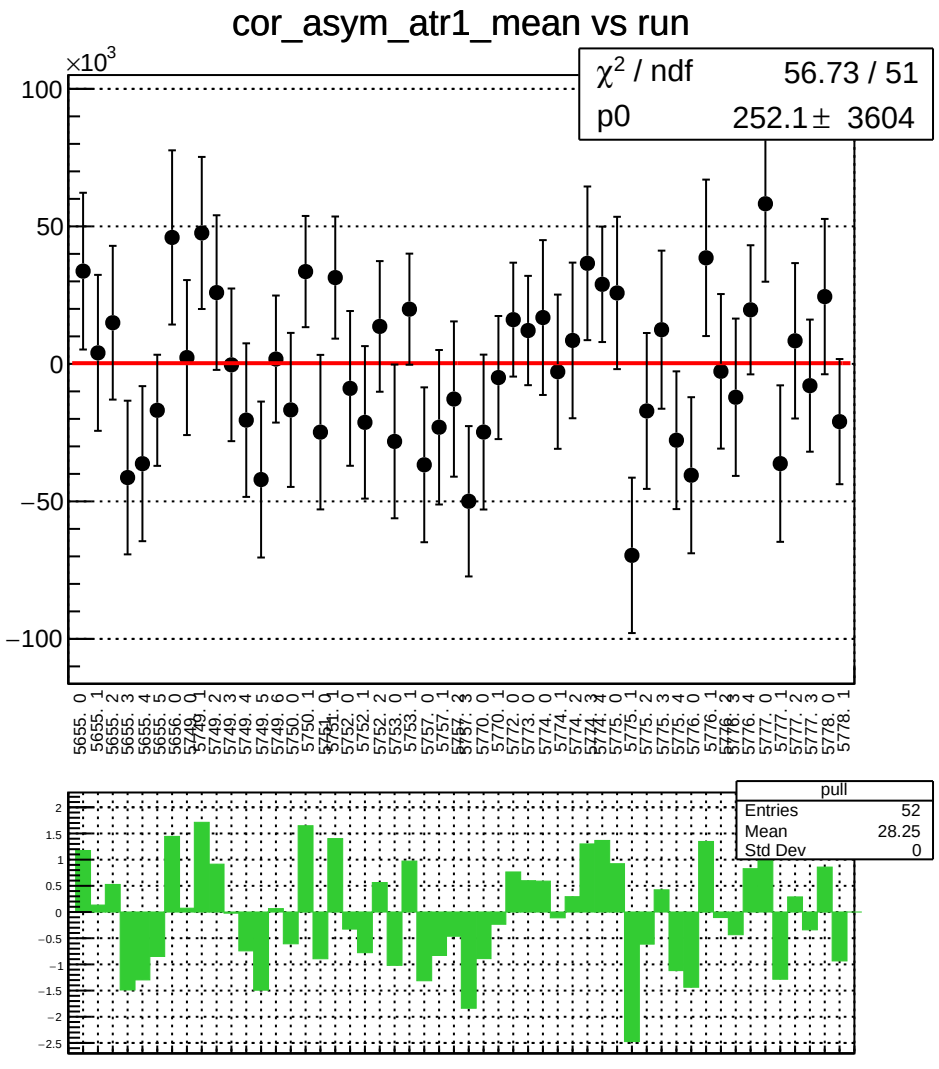

pull1D
Entries 52
Mean −0.03208
Std Dev 1.044

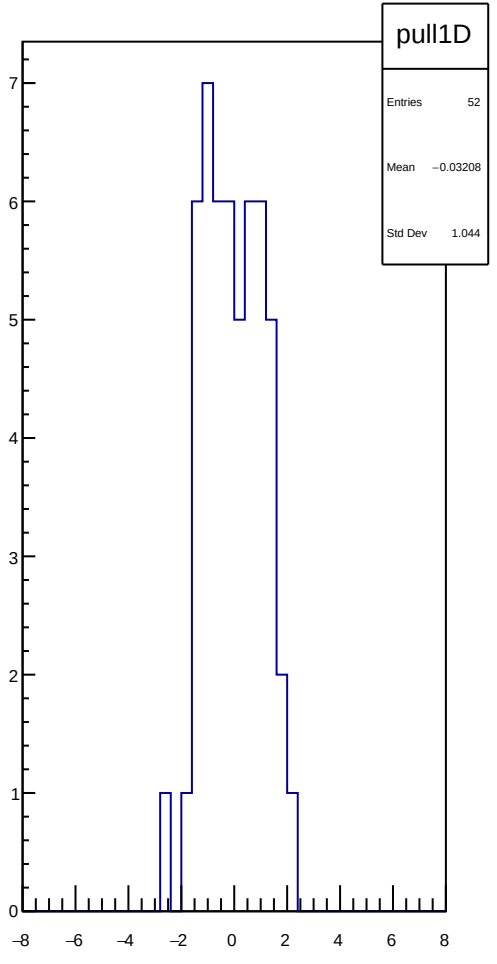

reg_asym_atr1_rms vs run
χ² / ndf 124.9 / 51
p0 2669 ± 2.549
2800
2750
2700
2650
2600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

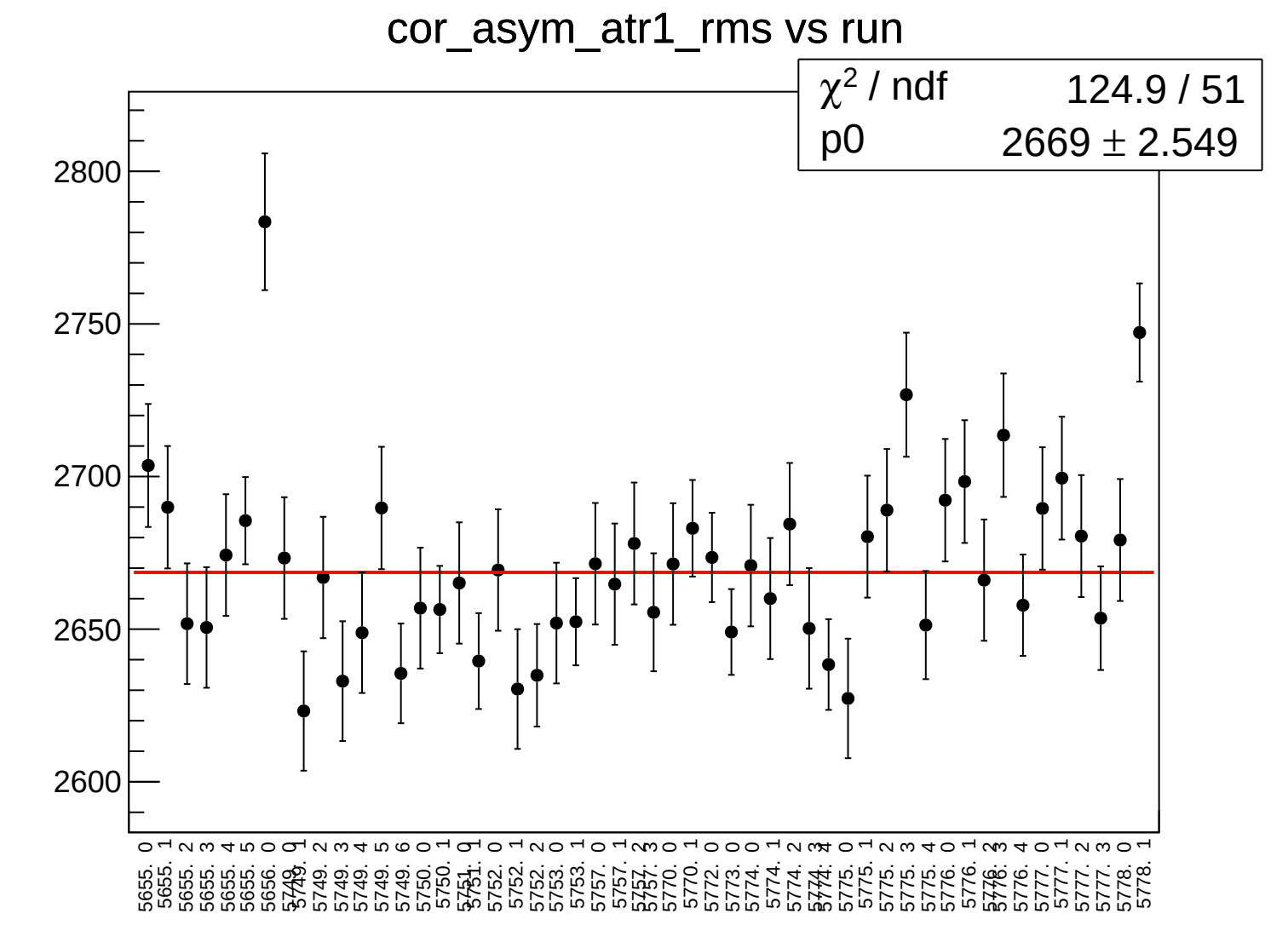

asym_atr1_reg_correction_mean vs run
χ² / ndf 53.42 / 51
p0 −586 ± 561.9
30000
20000
10000
0
−10000
pull
Entries 52
Mean 26.48
Std Dev 29.15
2
1
0
−1
−2

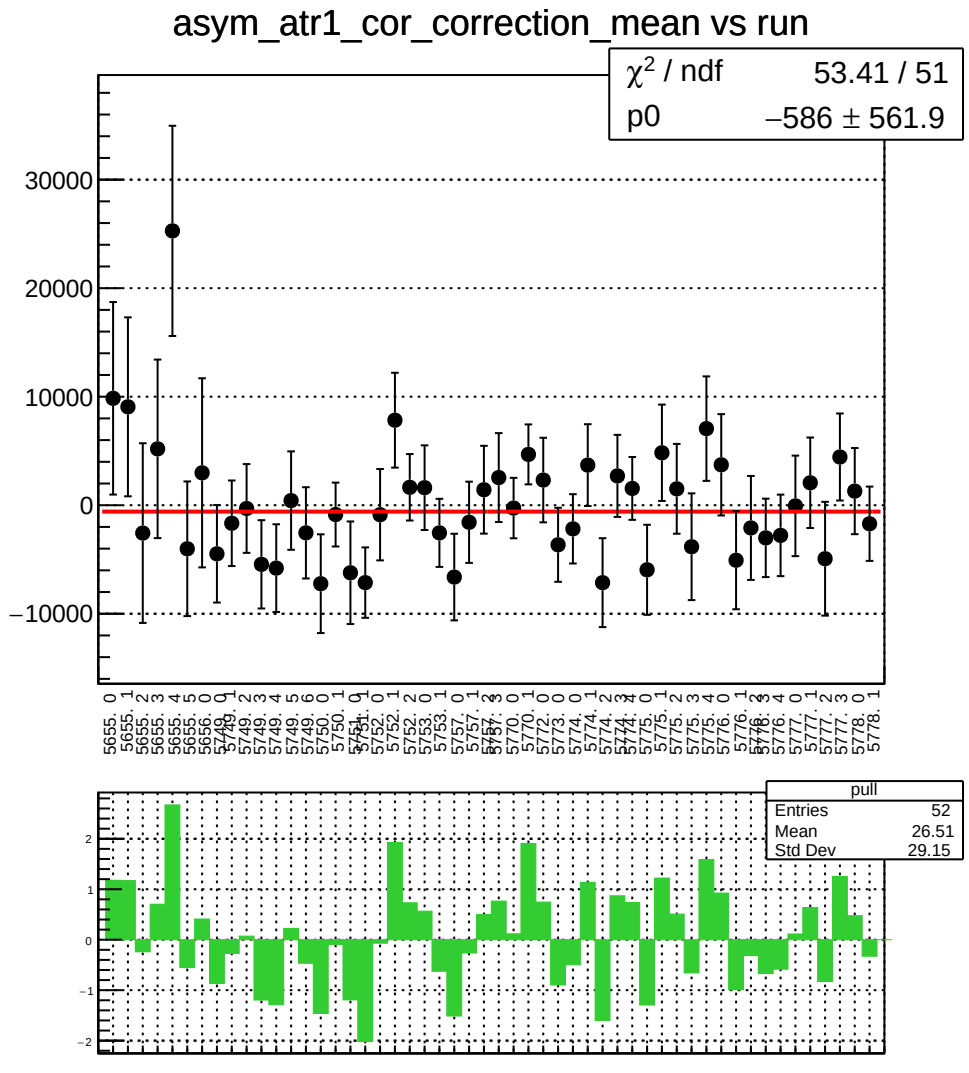

pull1D
Entries 52
Mean 0.04564
Std Dev 1.013
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

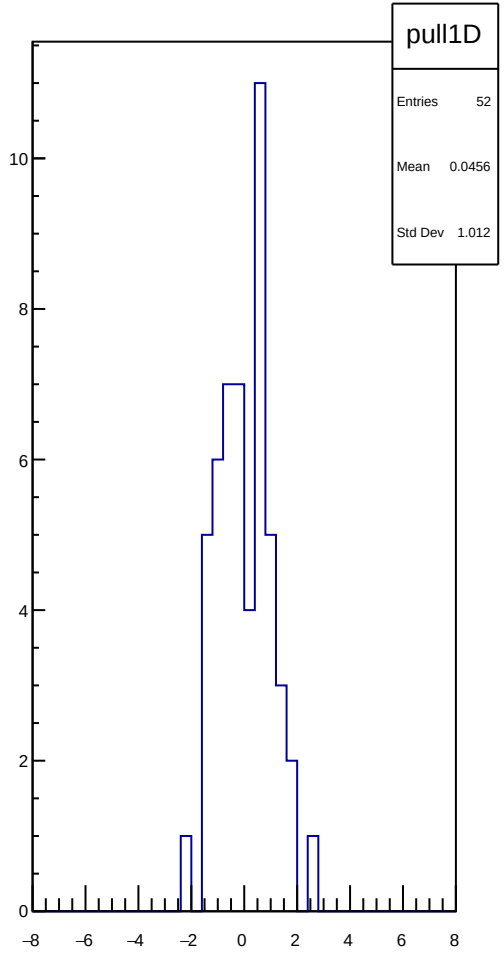

asym_atr1_reg_correction_rms vs run
χ² / ndf 5.335e+04 / 51
p0 405.8 ± 0.3973
900
800
700
600
500
400
300
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

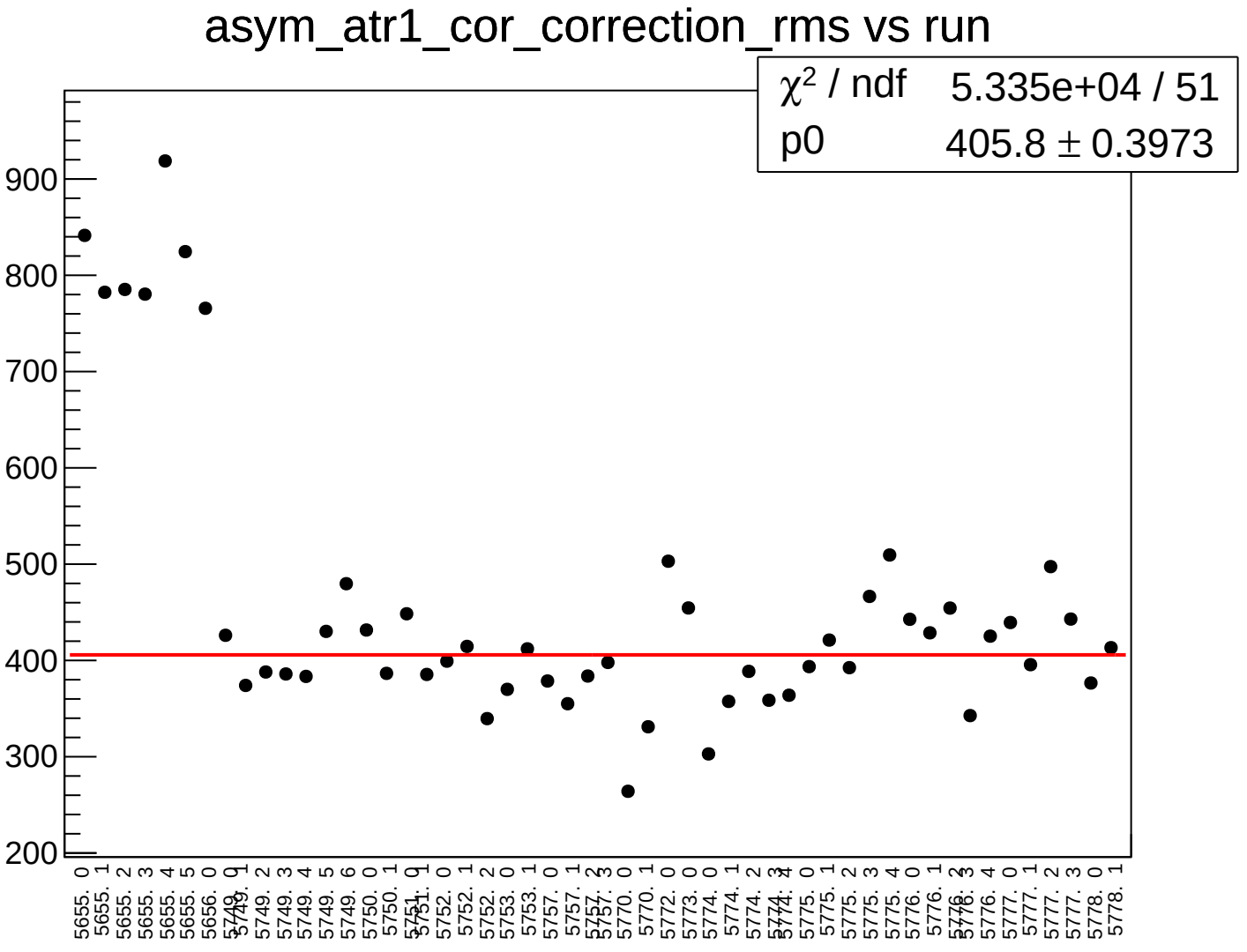

cor_asym_atr1_mean vs run
×10^3
χ^2 / ndf 56.73 / 51
p0 252.1± 3604
pull
Entries 52
Mean 28.25
Std Dev 0

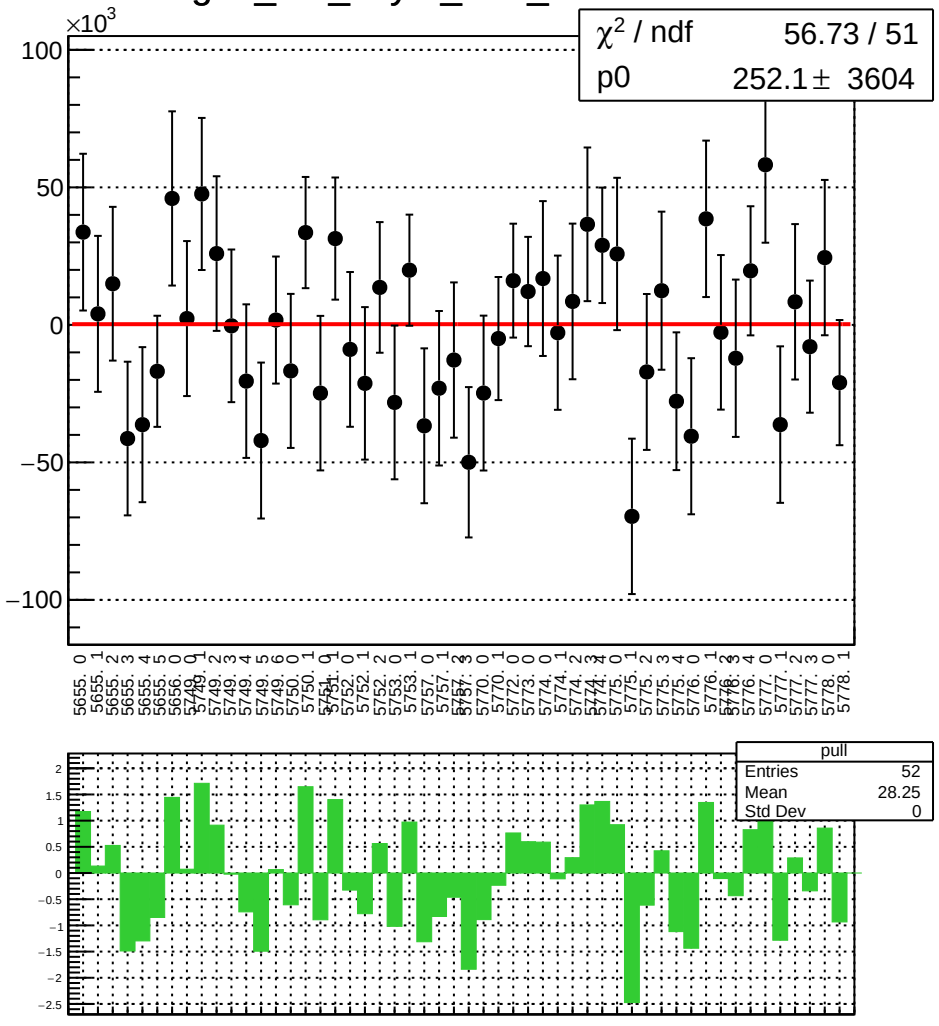

pull1D
Entries 52
Mean −0.03208
Std Dev 1.044

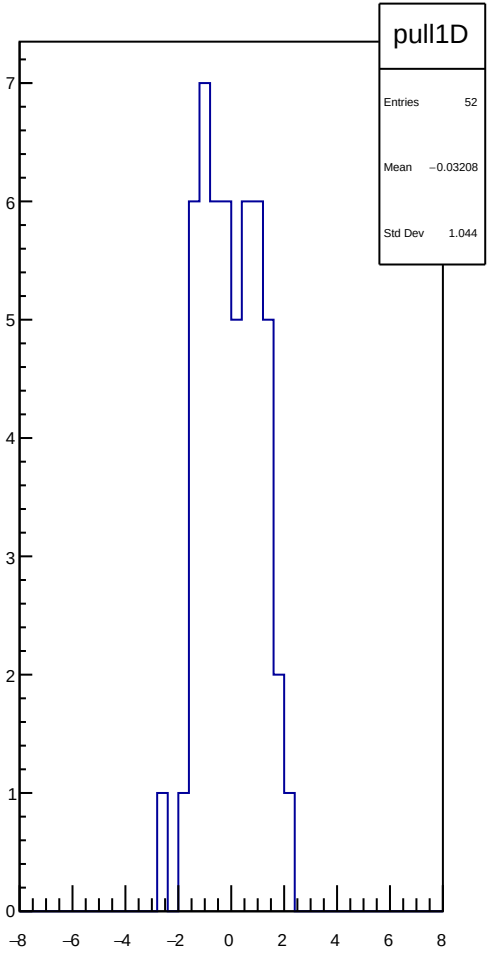

cor_asym_atr1_rms vs run
χ² / ndf 124.9 / 51
p0 2669 ± 2.549
2800
2750
2700
2650
2600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

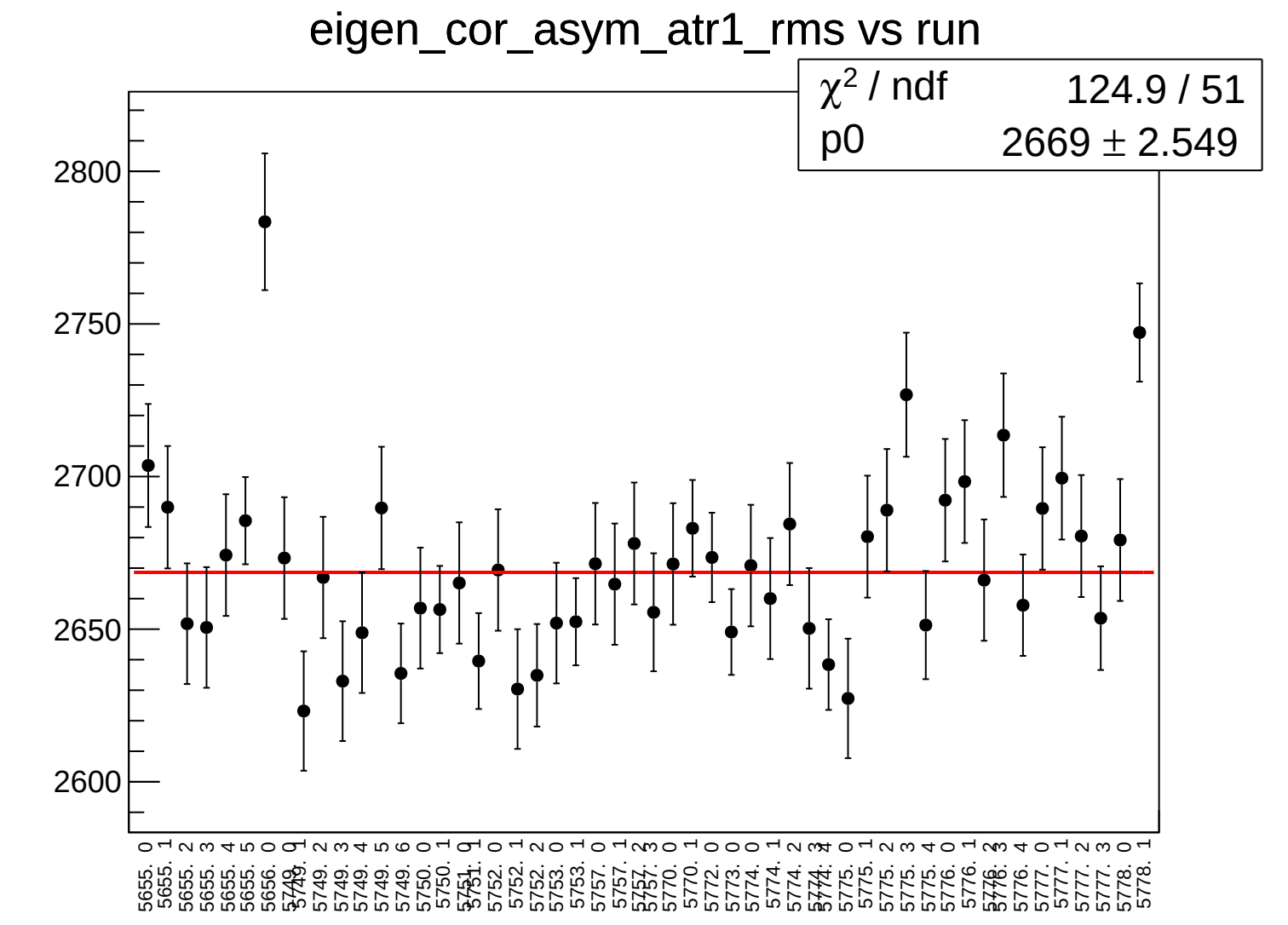

asym_atr1_cor_correction_mean vs run
χ² / ndf 53.41 / 51
p0 −586 ± 561.9
30000
20000
10000
0
−10000
pull
Entries 52
Mean 26.51
Std Dev 29.15
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.0456
Std Dev 1.012
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1_cor_correction_rms vs run
χ² / ndf 5.335e+04 / 51
p0 405.8 ± 0.3973
900
800
700
600
500
400
300
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_atr1_mean vs run
×10^3
χ^2 / ndf 56.73 / 51
p0 252.1± 3604
pull
Entries 52
Mean 28.25
Std Dev 0


pull1D
Entries 52
Mean −0.03208
Std Dev 1.044


eigen_cor_asym_atr1_rms vs run
χ² / ndf 124.9 / 51
p0 2669 ± 2.549
2800
2750
2700
2650
2600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
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5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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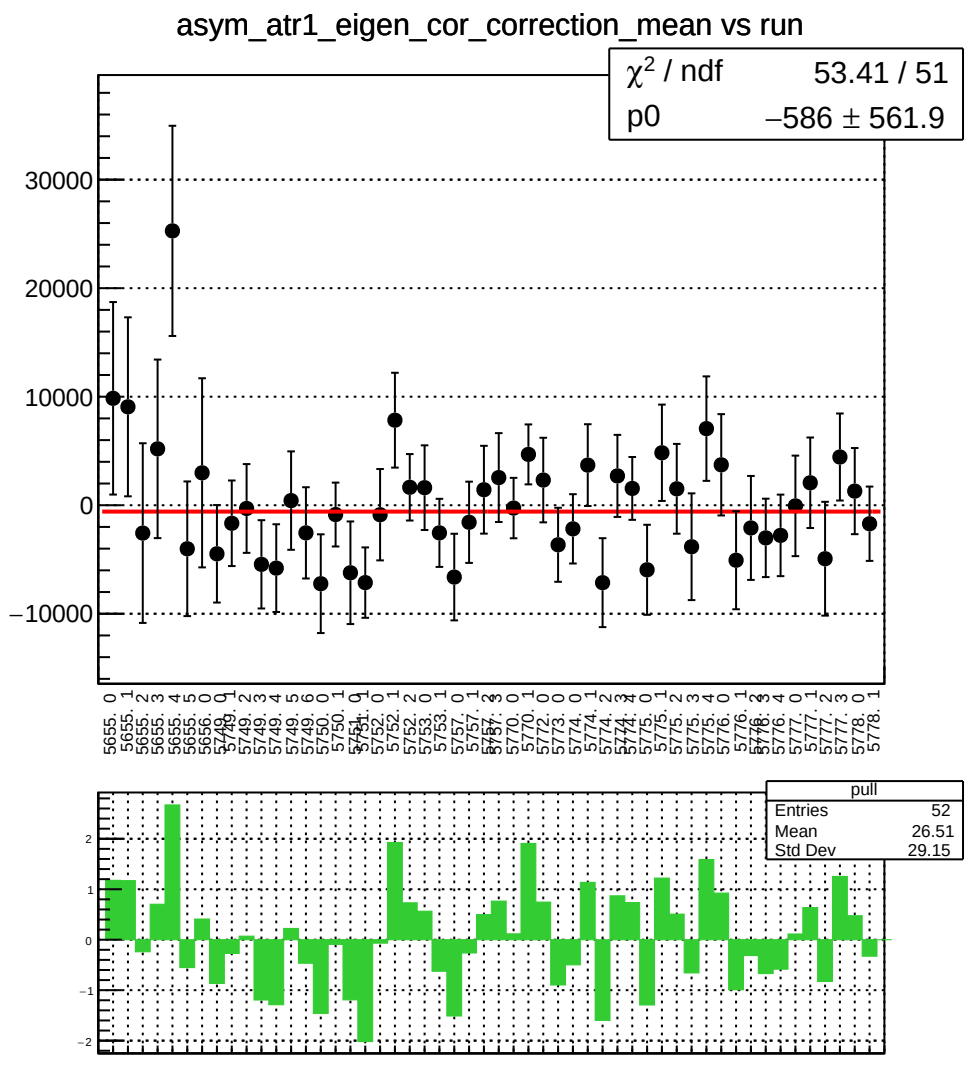
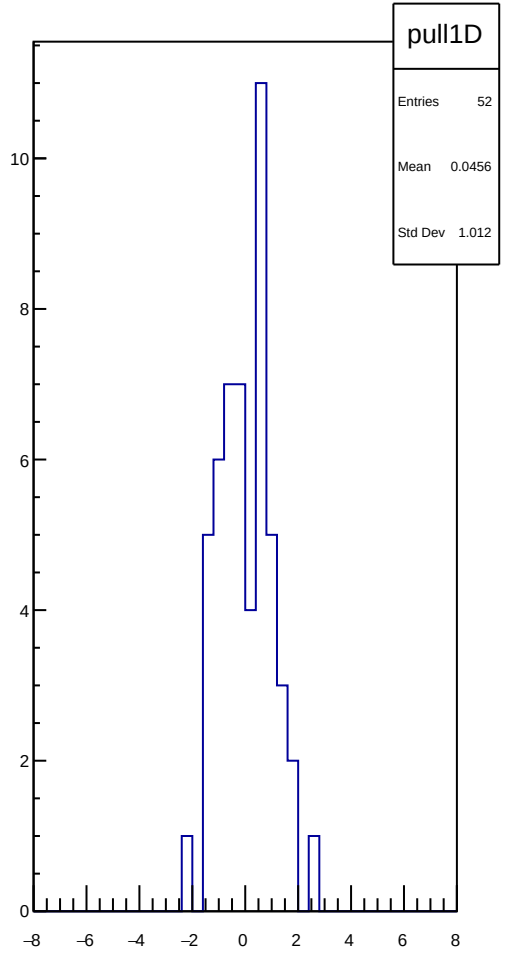
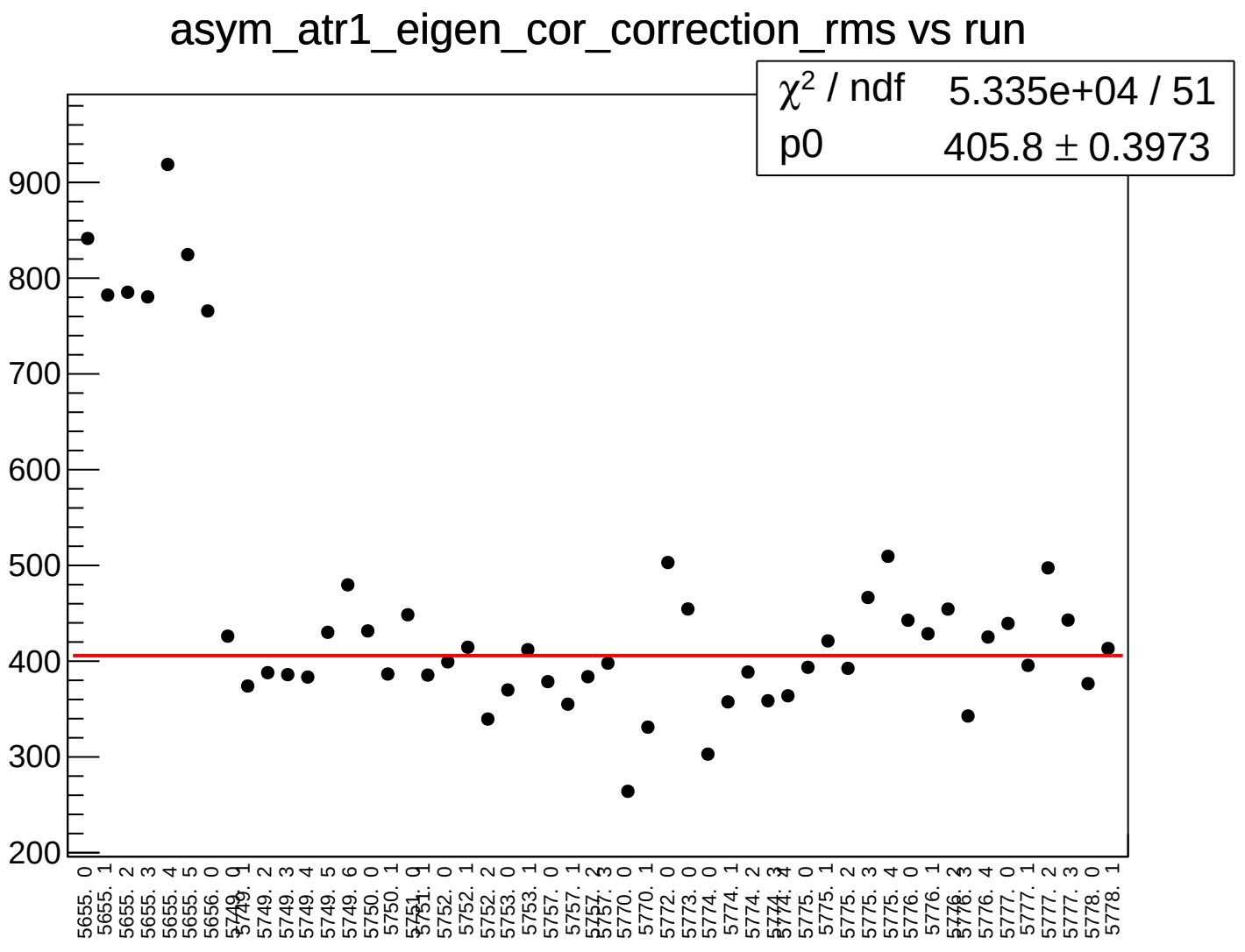
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atr1_eigen_cor_correction_mean vs run
χ² / ndf 53.41 / 51
p0 −586 ± 561.9
30000
20000
10000
0
−10000
pull
Entries 52
Mean 26.51
Std Dev 29.15
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.0456
Std Dev 1.012
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1_eigen_cor_correction_rms vs run
χ^2 / ndf 5.335e+04 / 51
p0 405.8 ± 0.3973
900
800
700
600
500
400
300
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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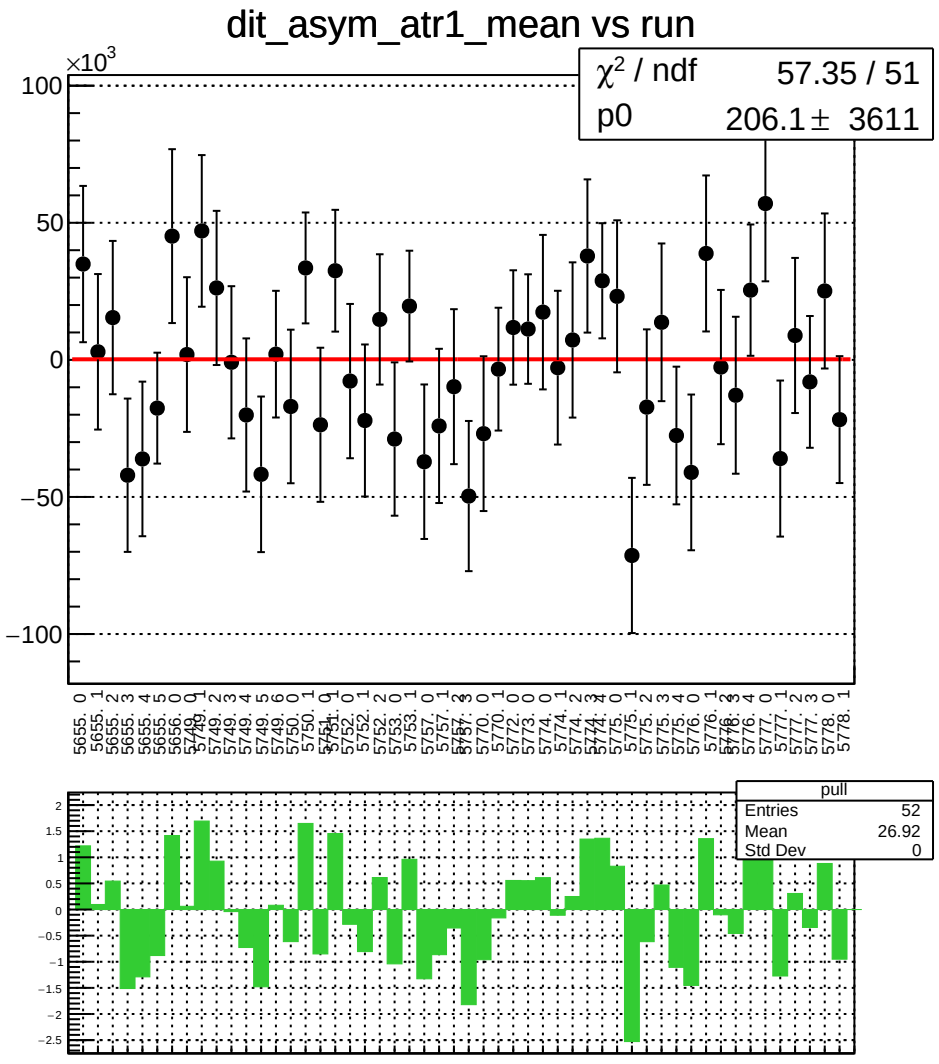
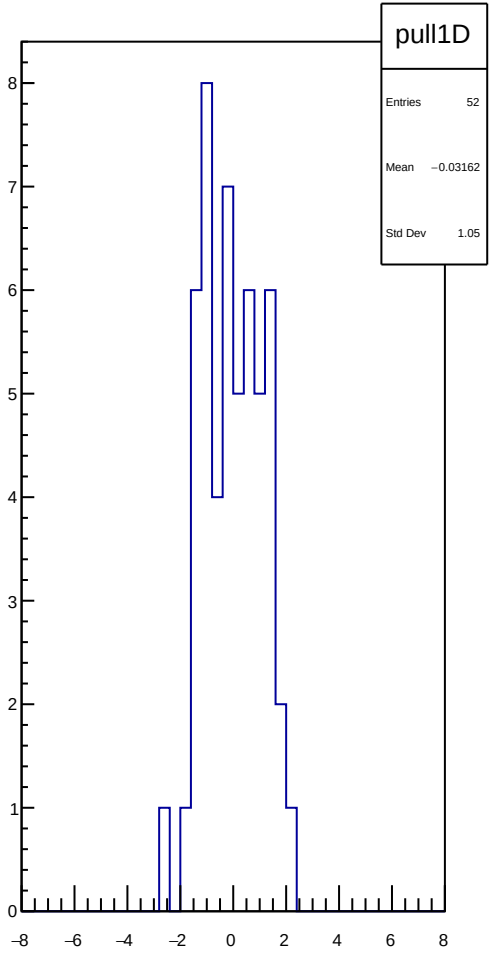
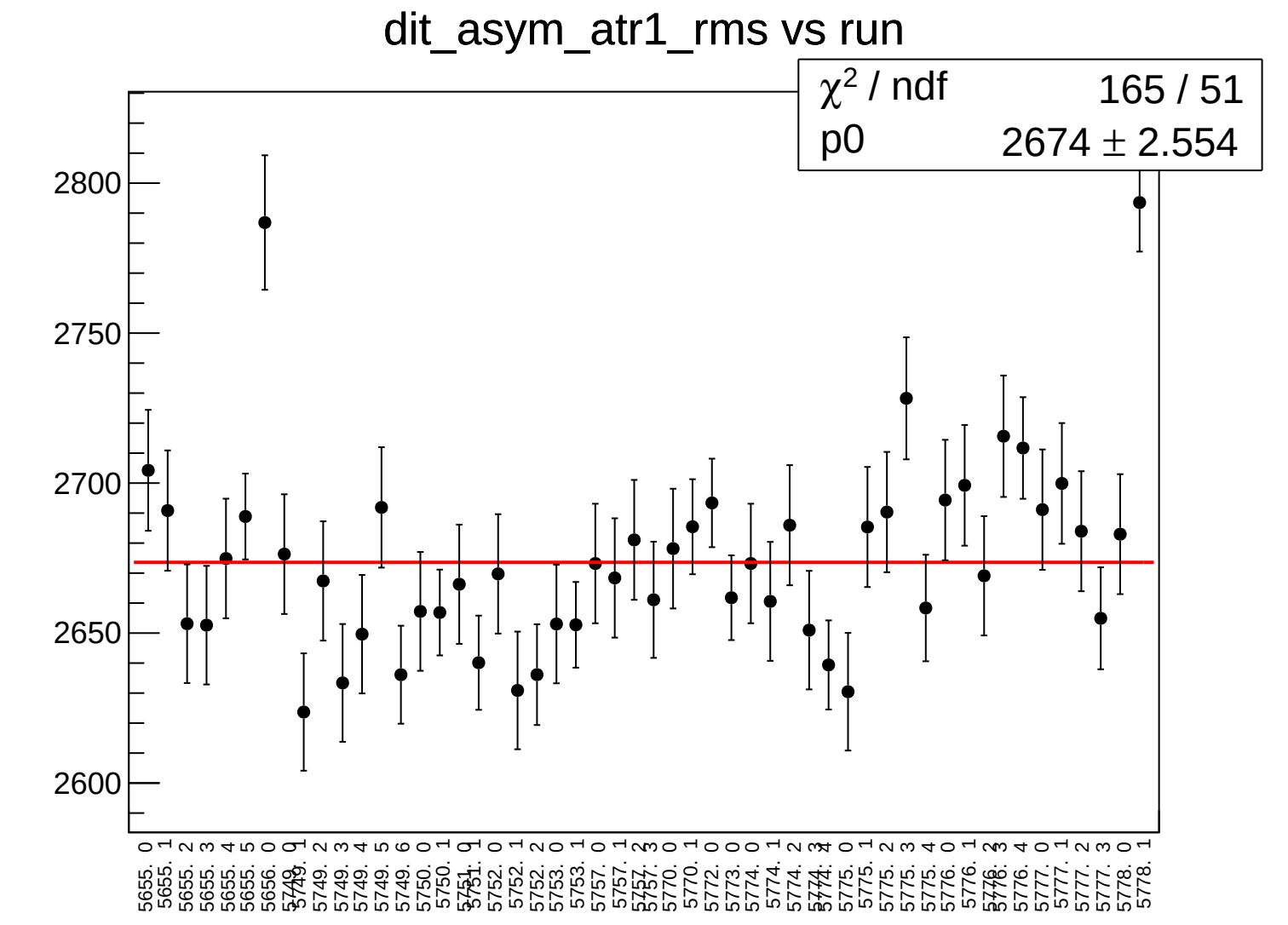
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 57.35 / 51
p0 206.1 ± 3611
pull
Entries 52
Mean 26.92
Std Dev 0


pull1D
Entries 52
Mean −0.03162
Std Dev 1.05


dit_asym_atr1_rms vs run
χ² / ndf 165 / 51
p0 2674 ± 2.554
2800
2750
2700
2650
2600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
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5773. 0
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5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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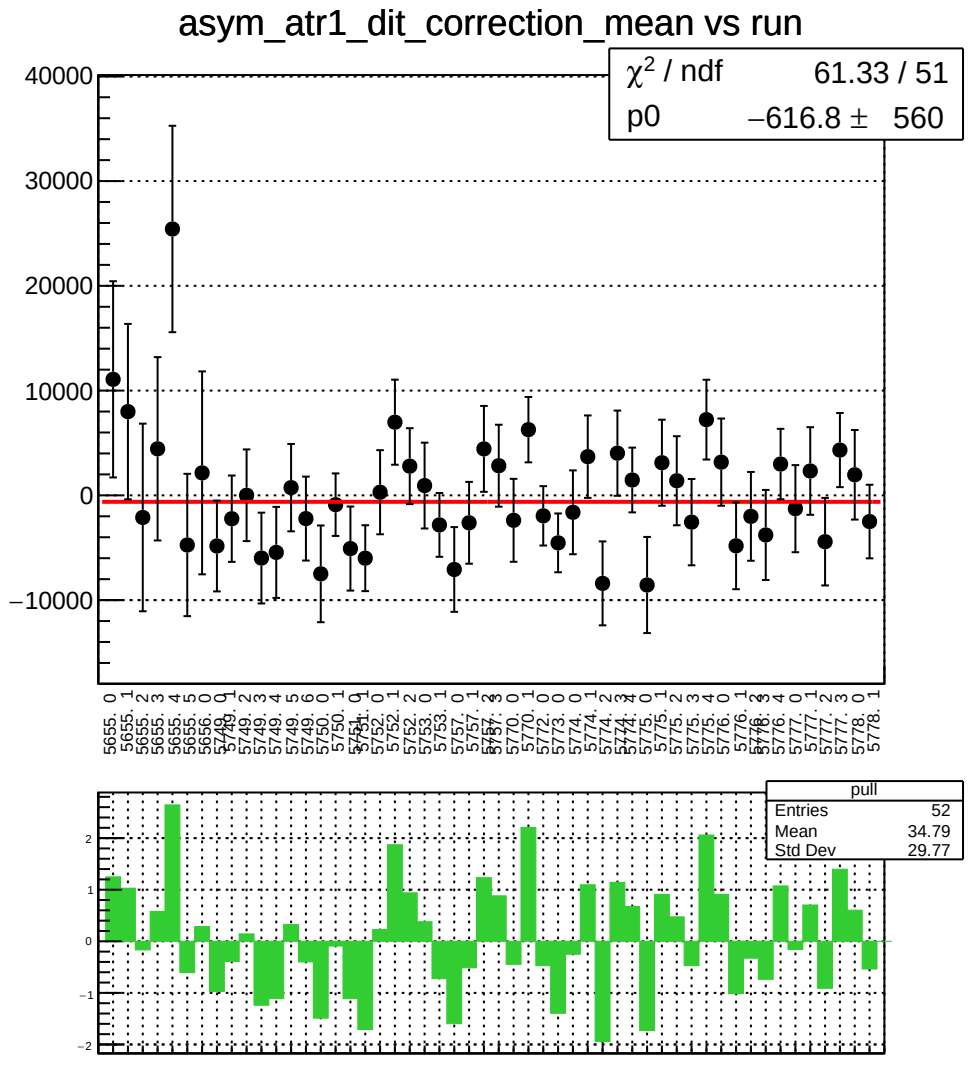
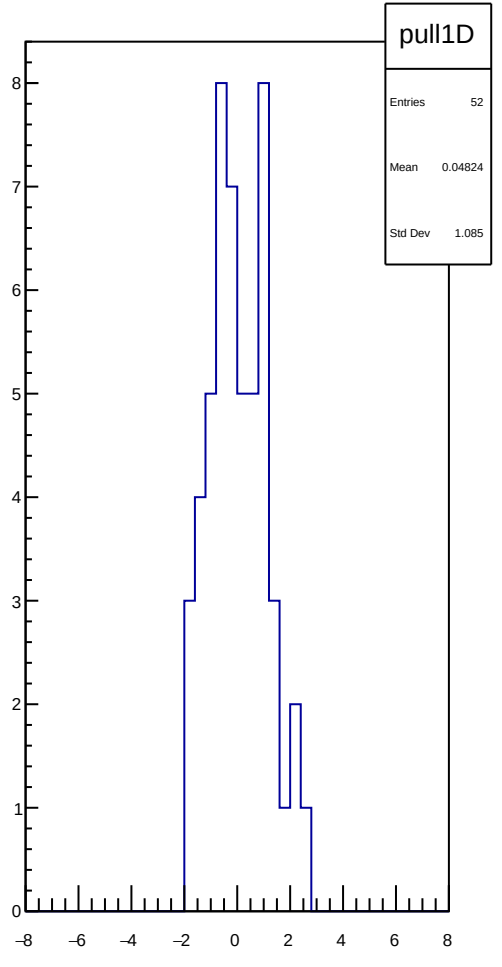
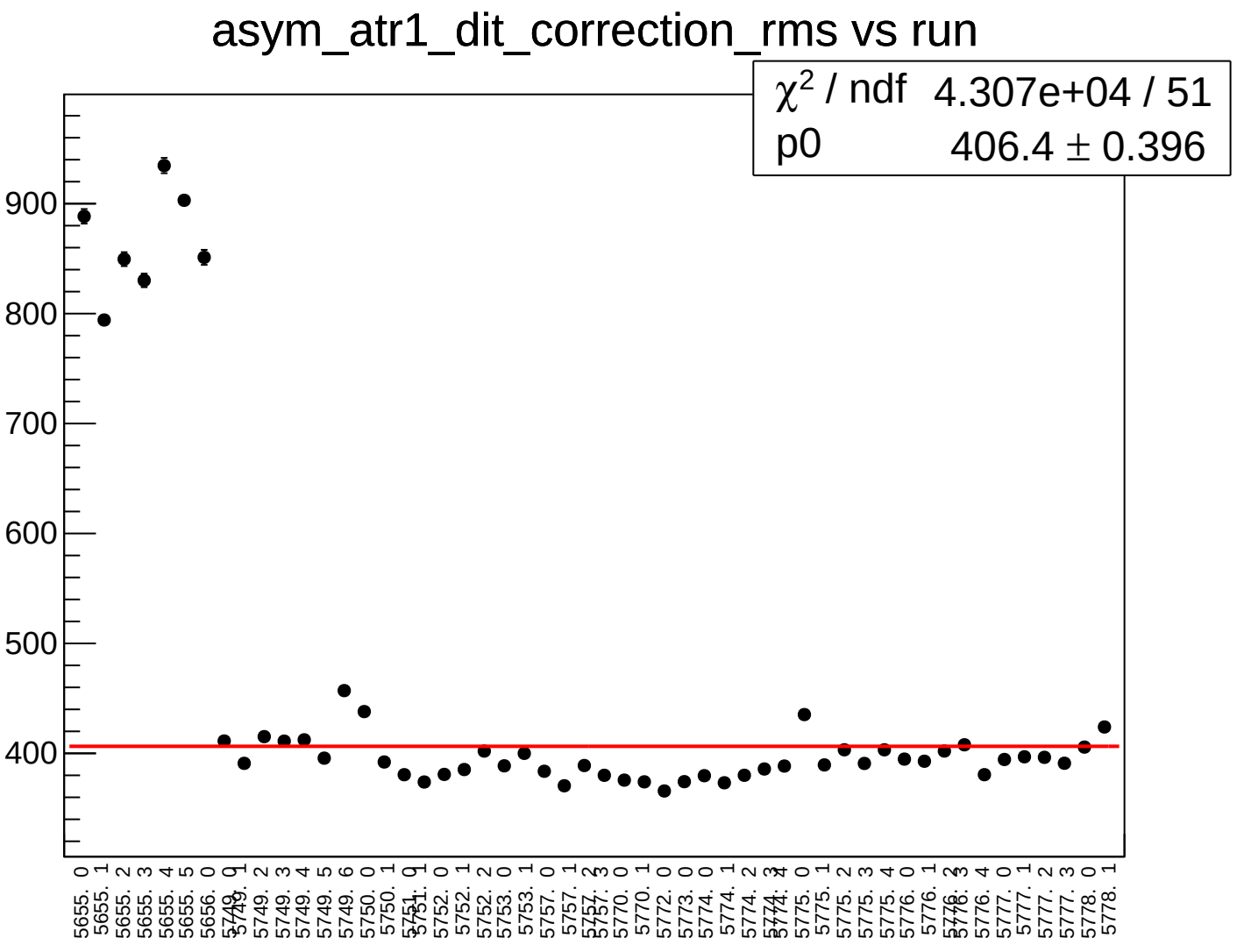
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atr1_dit_correction_mean vs run
χ^2 / ndf 61.33 / 51
p0 −616.8 ± 560
40000
30000
20000
10000
0
−10000
pull
Entries 52
Mean 34.79
Std Dev 29.77
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.04824
Std Dev 1.085
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1_dit_correction_rms vs run
χ² / ndf 4.307e+04 / 51
p0 406.4 ± 0.396
900
800
700
600
500
400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
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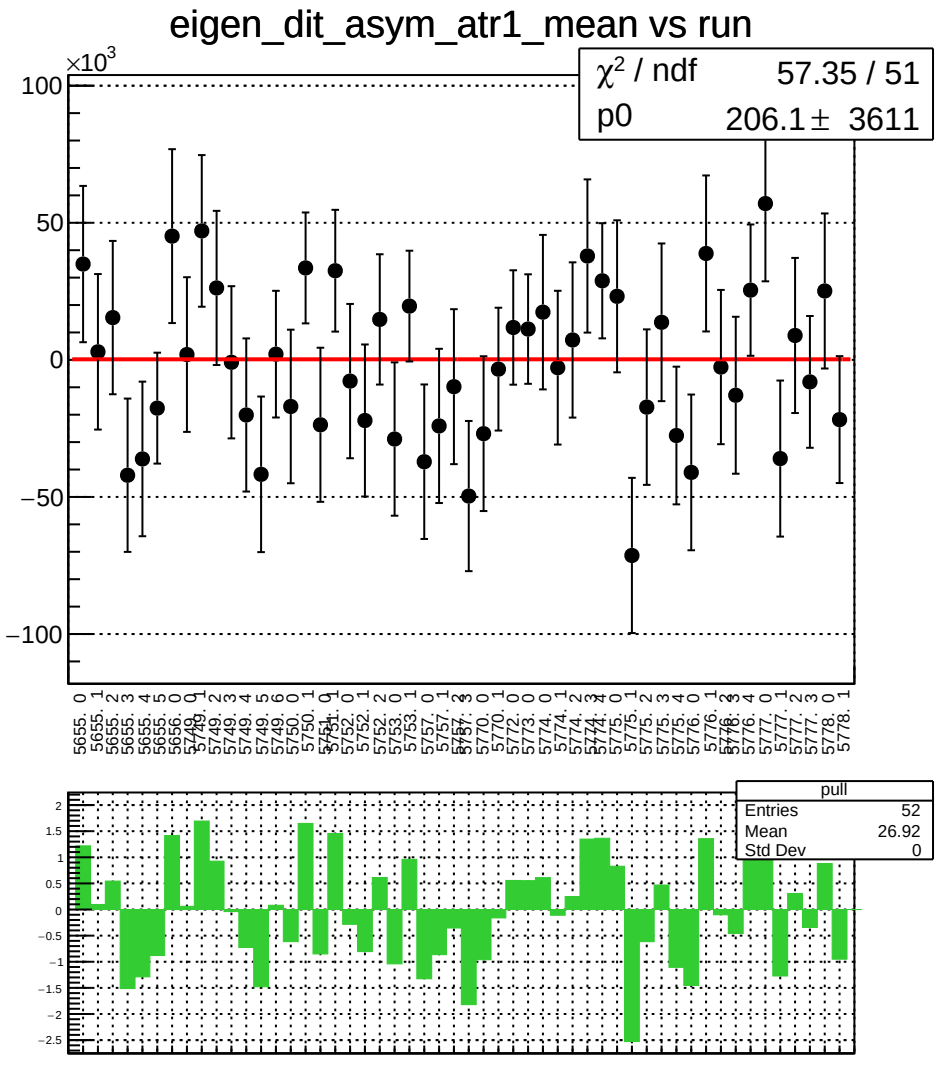
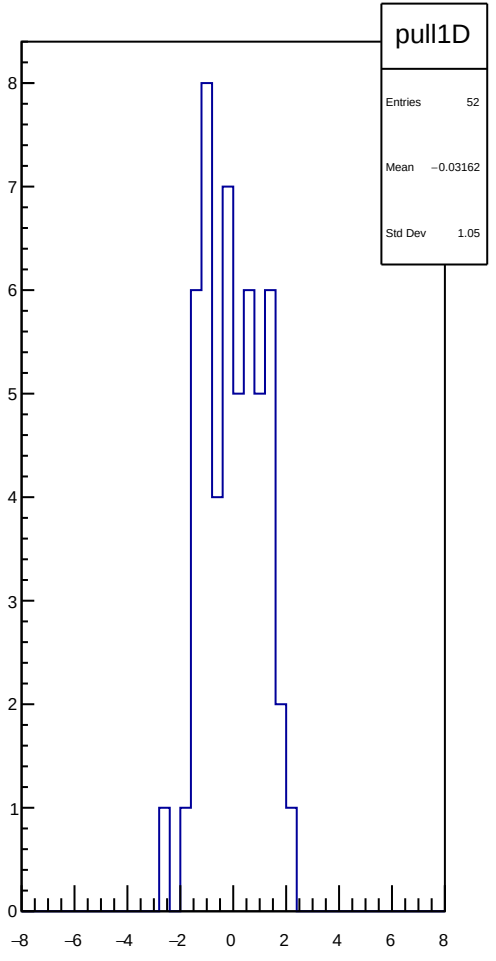
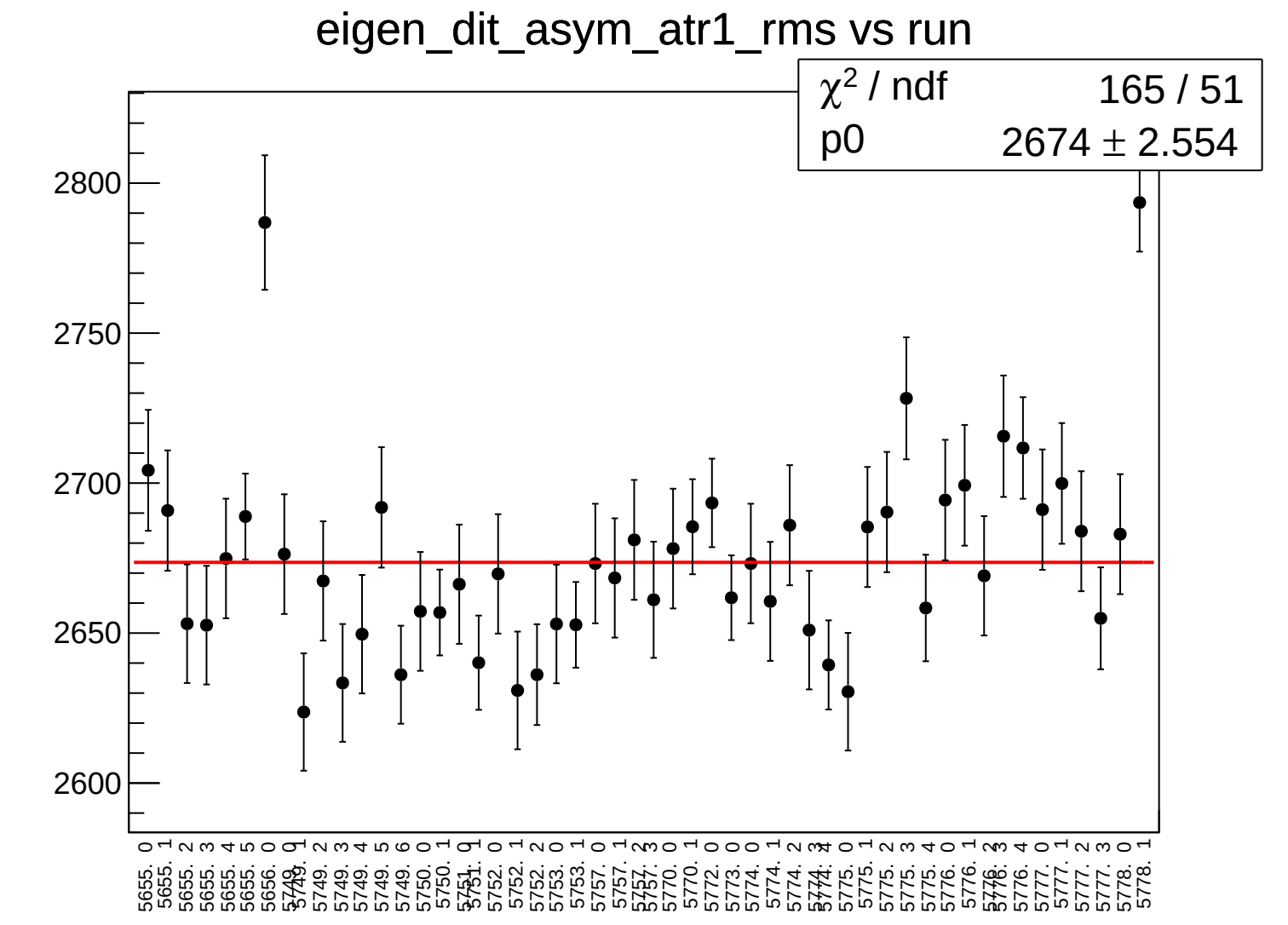
5777. 2
5777. 3
5778. 0
5778. 1


eigen_dit_asym_atr1_mean vs run
×10^3
χ² / ndf 57.35 / 51
p0 206.1 ± 3611
100
50
0
−50
−100
pull
Entries 52
Mean 26.92
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 52
Mean −0.03162
Std Dev 1.05
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atr1_rms vs run
χ² / ndf 165 / 51
p0 2674 ± 2.554
2800
2750
2700
2650
2600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 4
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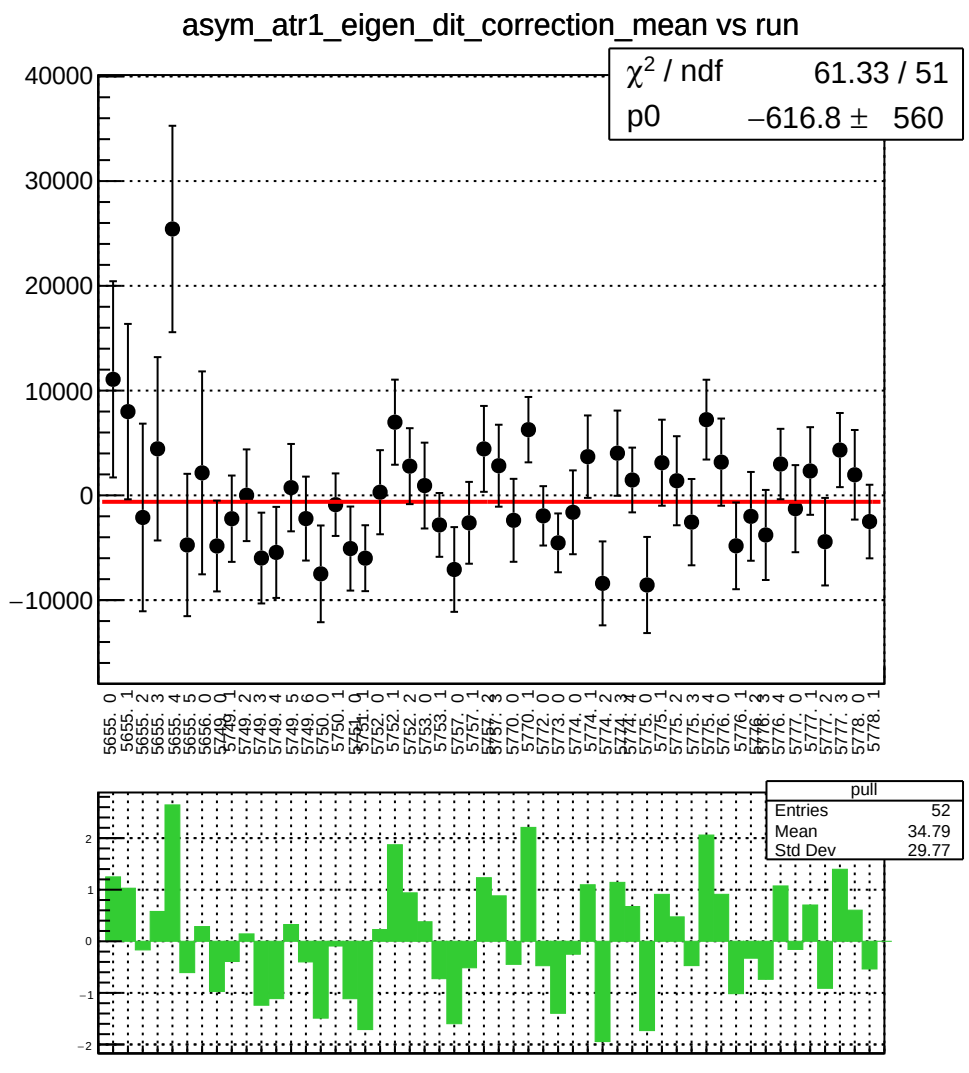
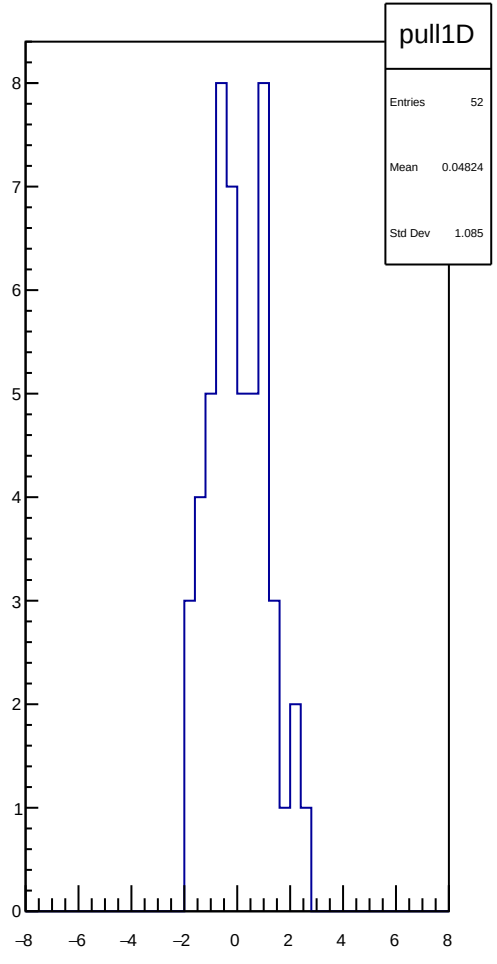
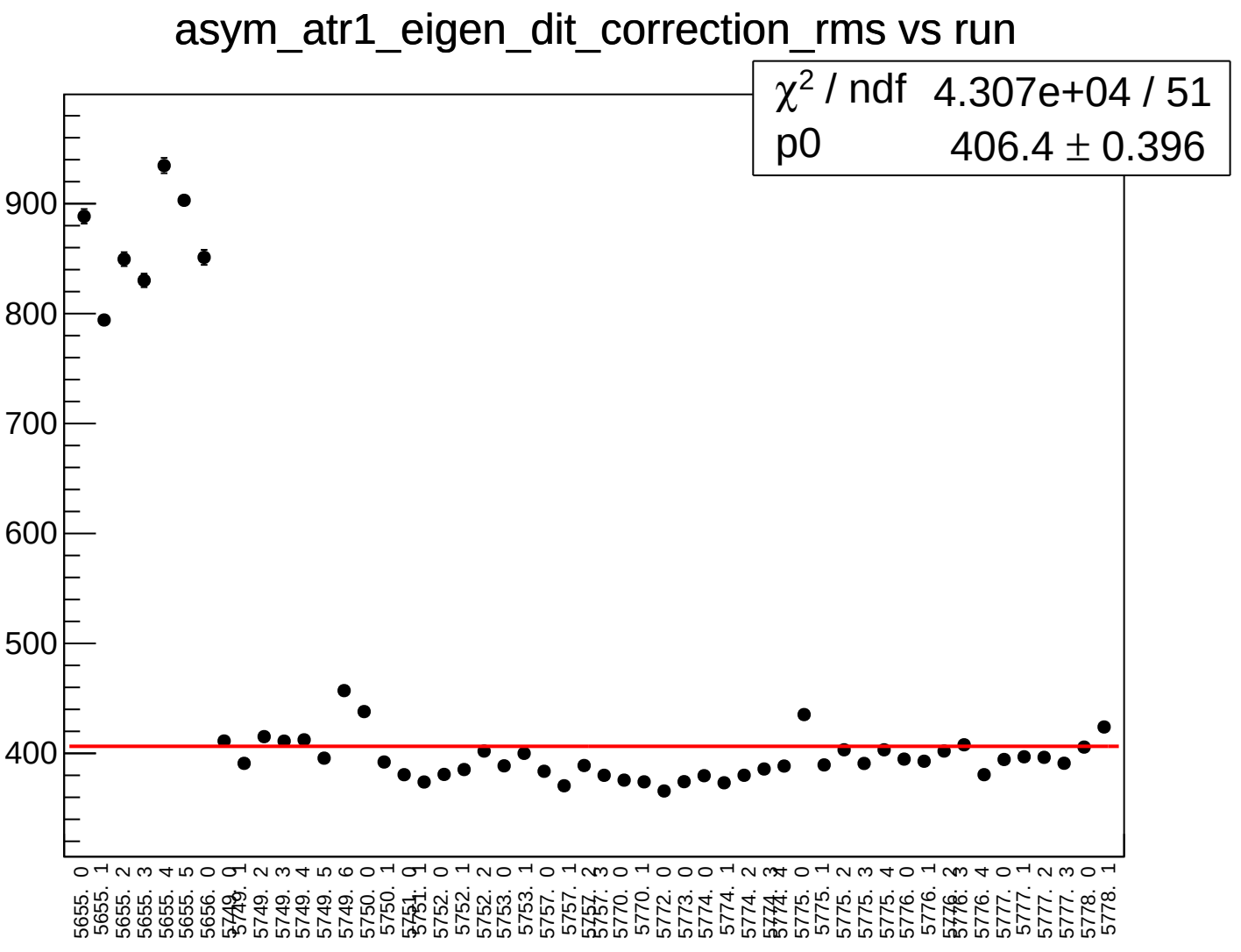
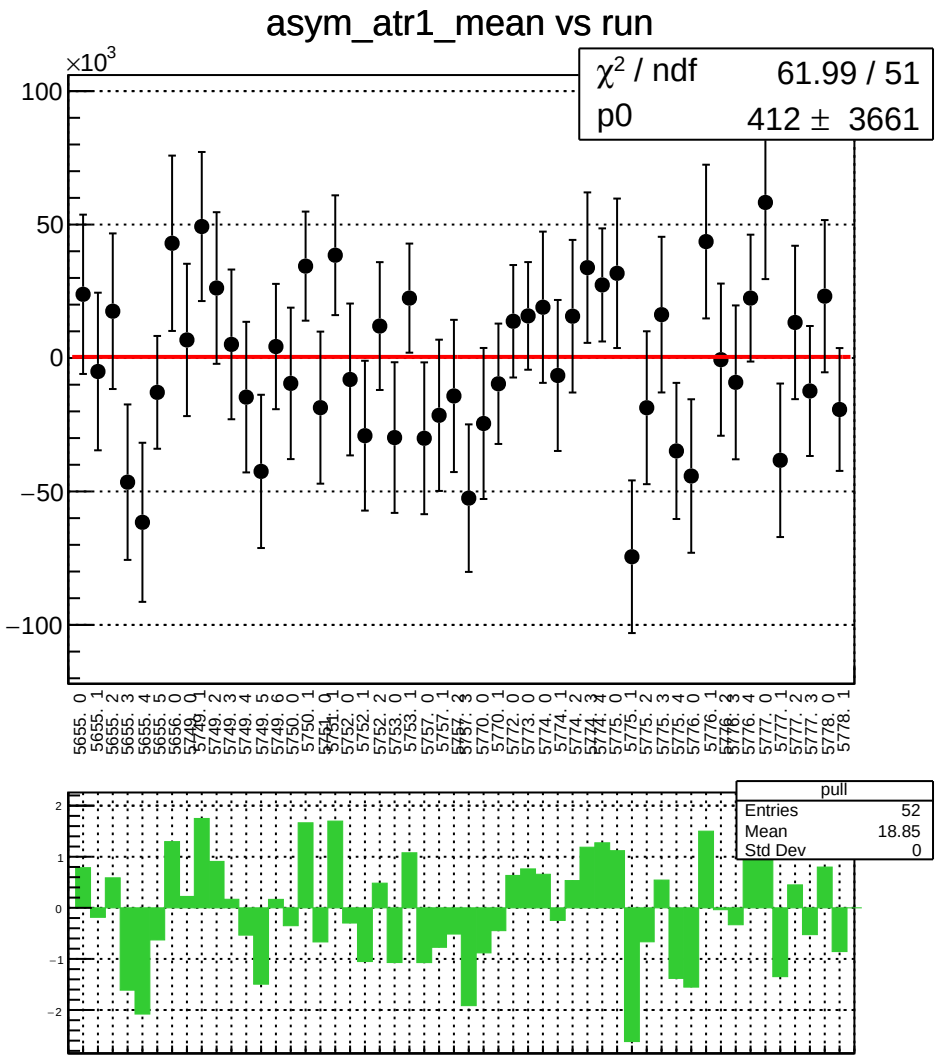
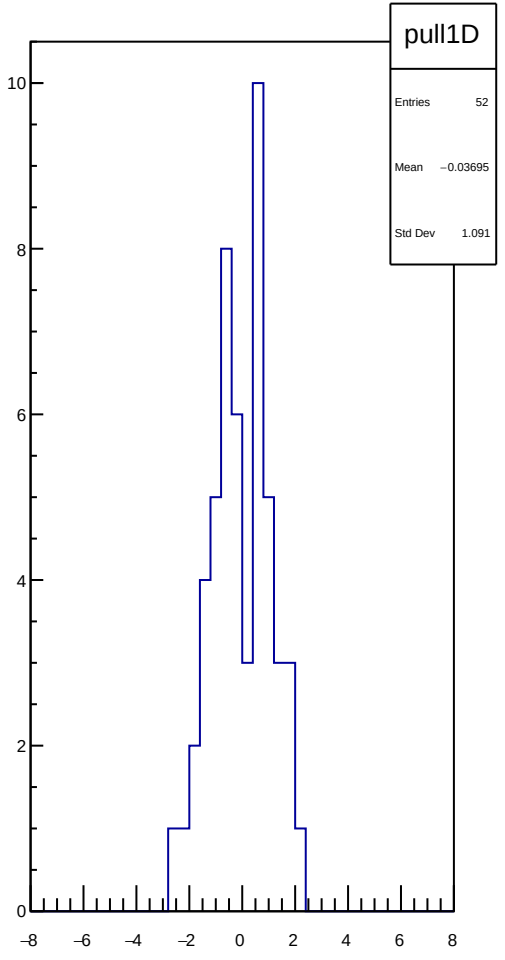
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

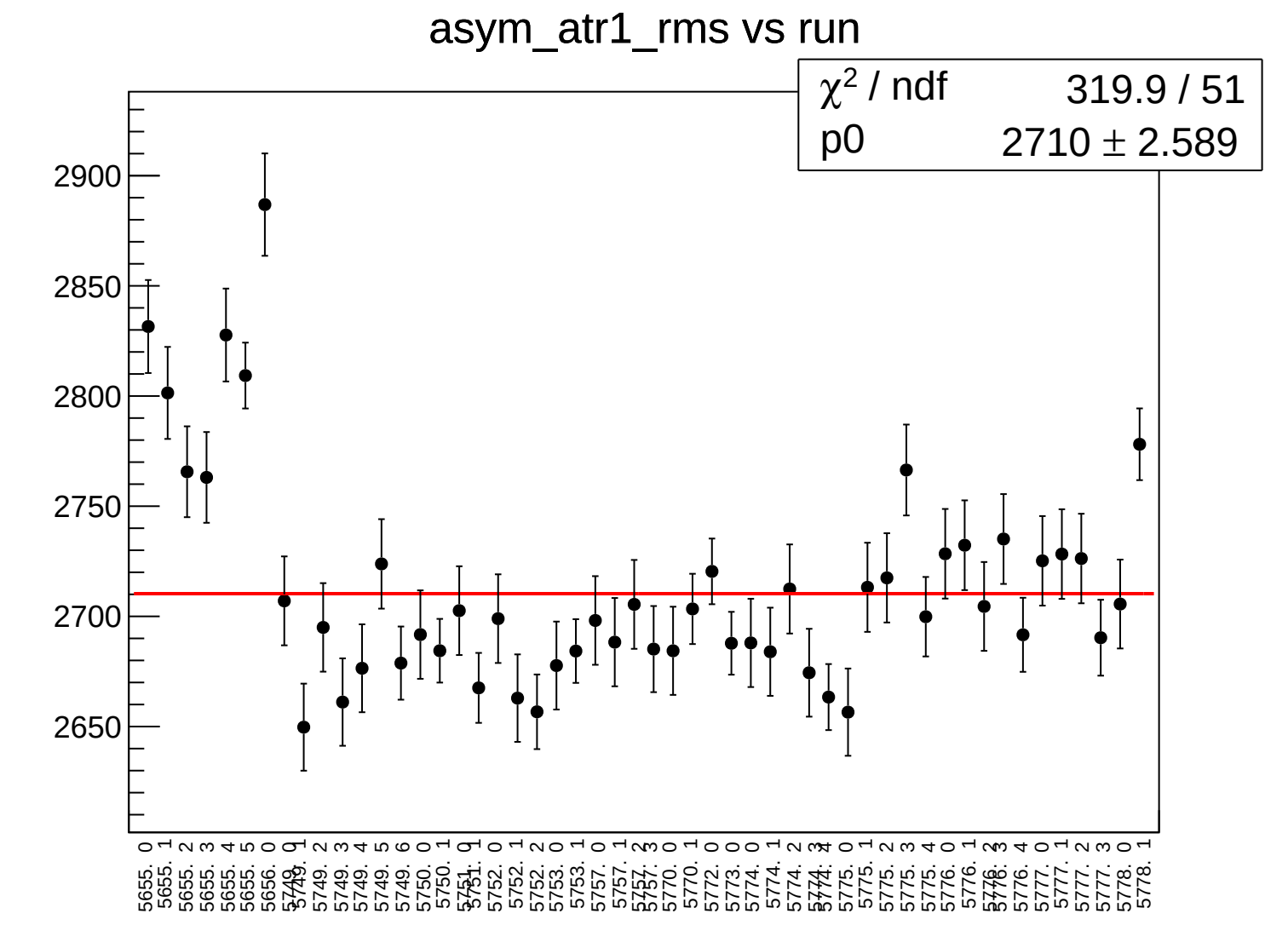

asym_atr1_eigen_dit_correction_mean vs run
χ² / ndf 61.33 / 51
p0 −616.8 ± 560
40000
30000
20000
10000
0
−10000
pull
Entries 52
Mean 34.79
Std Dev 29.77
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.04824
Std Dev 1.085
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1_eigen_dit_correction_rms vs run
χ² / ndf 4.307e+04 / 51
p0 406.4 ± 0.396
900
800
700
600
500
400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atr1_mean vs run
×10^3
χ² / ndf 61.99 / 51
p0 412 ± 3661
pull
Entries 52
Mean 18.85
Std Dev 0


pull1D
Entries 52
Mean −0.03695
Std Dev 1.091


asym_atr1_rms vs run
χ² / ndf 319.9 / 51
p0 2710 ± 2.589
2900
2850
2800
2750
2700
2650
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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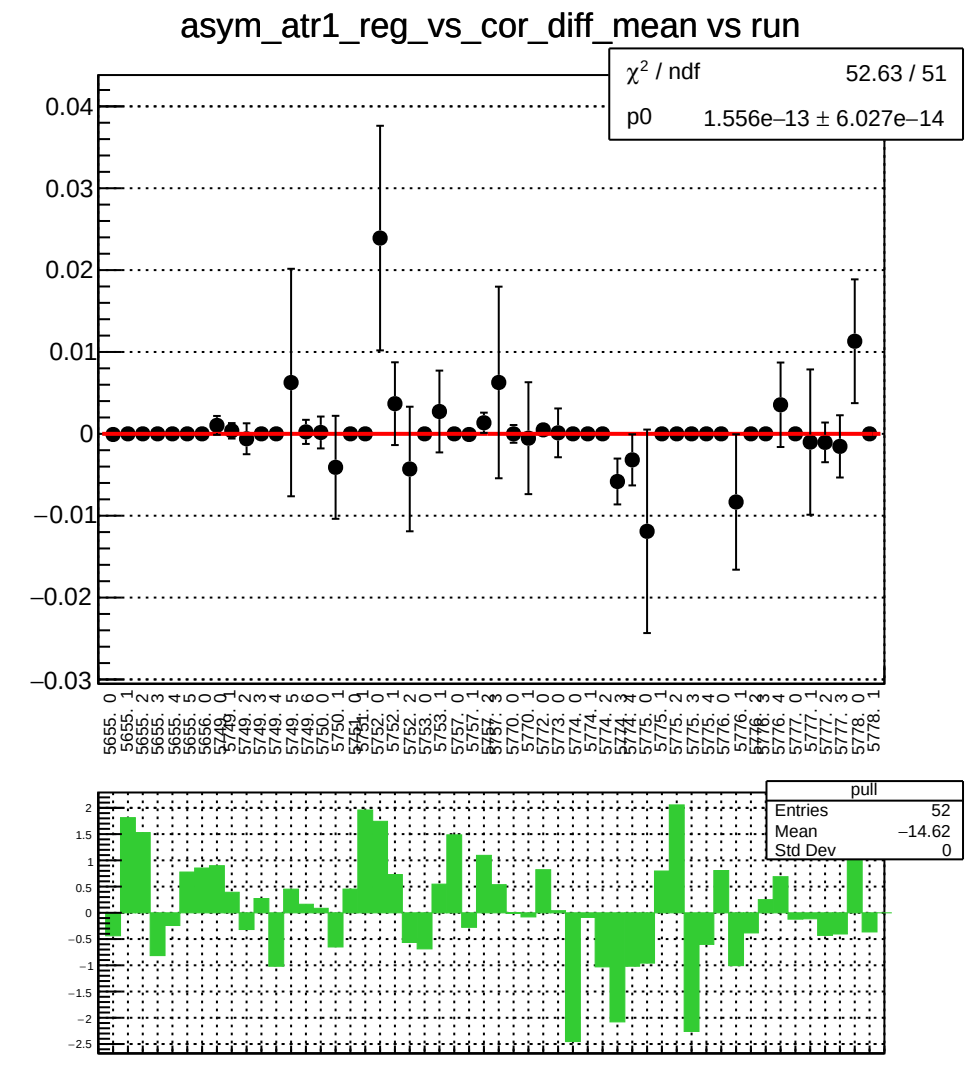
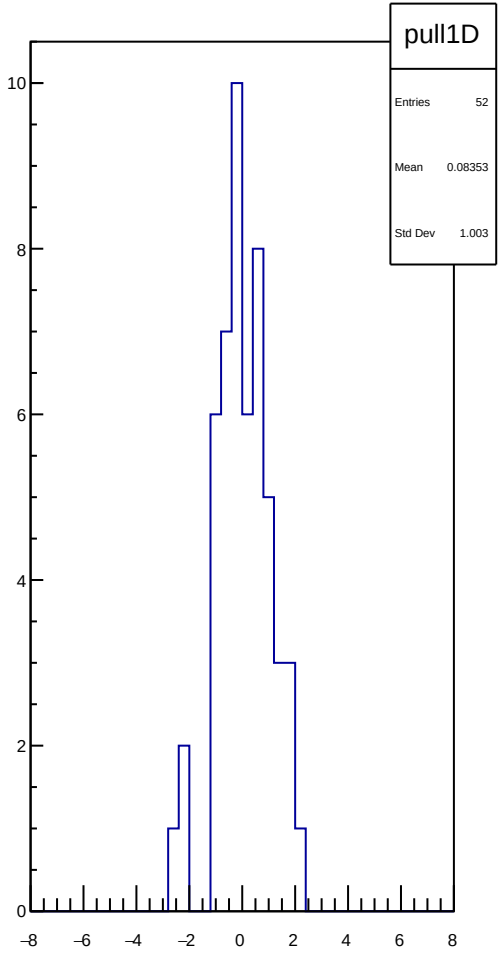
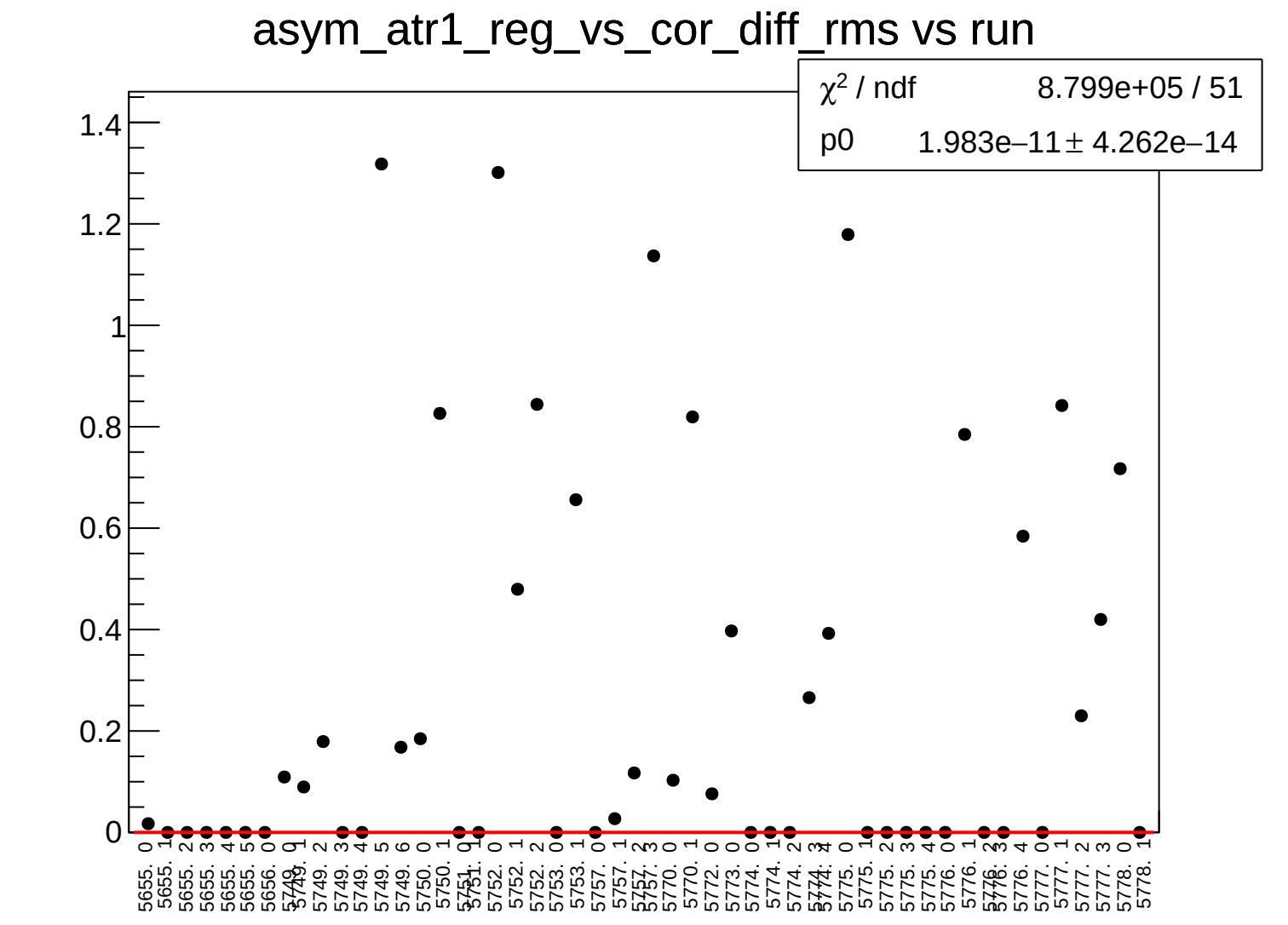
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atr1_reg_vs_cor_diff_mean vs run
χ² / ndf 52.63 / 51
p0 1.556e−13 ± 6.027e−14
pull
Entries 52
Mean −14.62
Std Dev 0


pull1D
Entries 52
Mean 0.08353
Std Dev 1.003


asym_atr1_reg_vs_cor_diff_rms vs run
χ^2 / ndf 8.799e+05 / 51
p0 1.983e−11 ± 4.262e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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5751. 1
5752. 0
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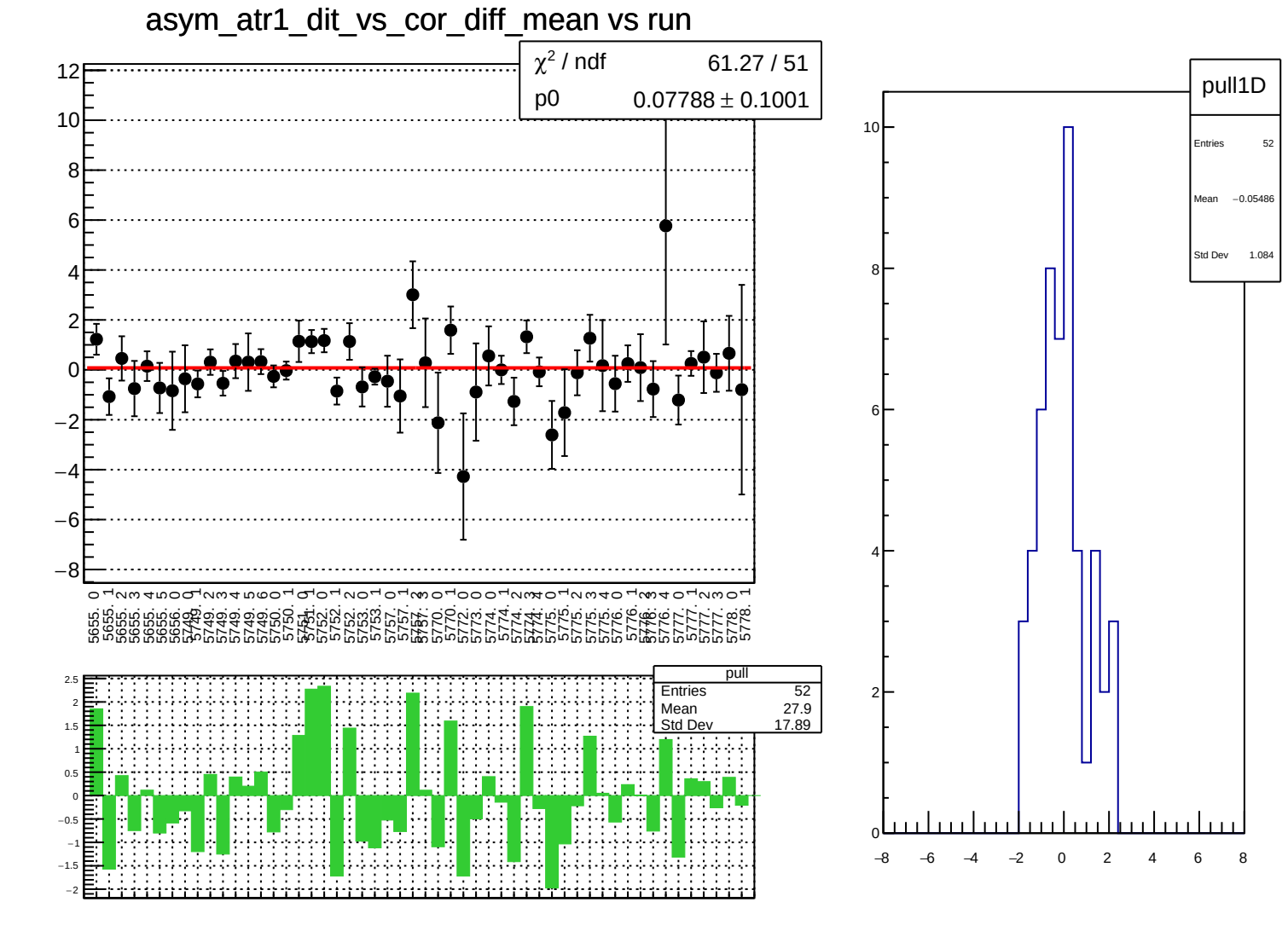
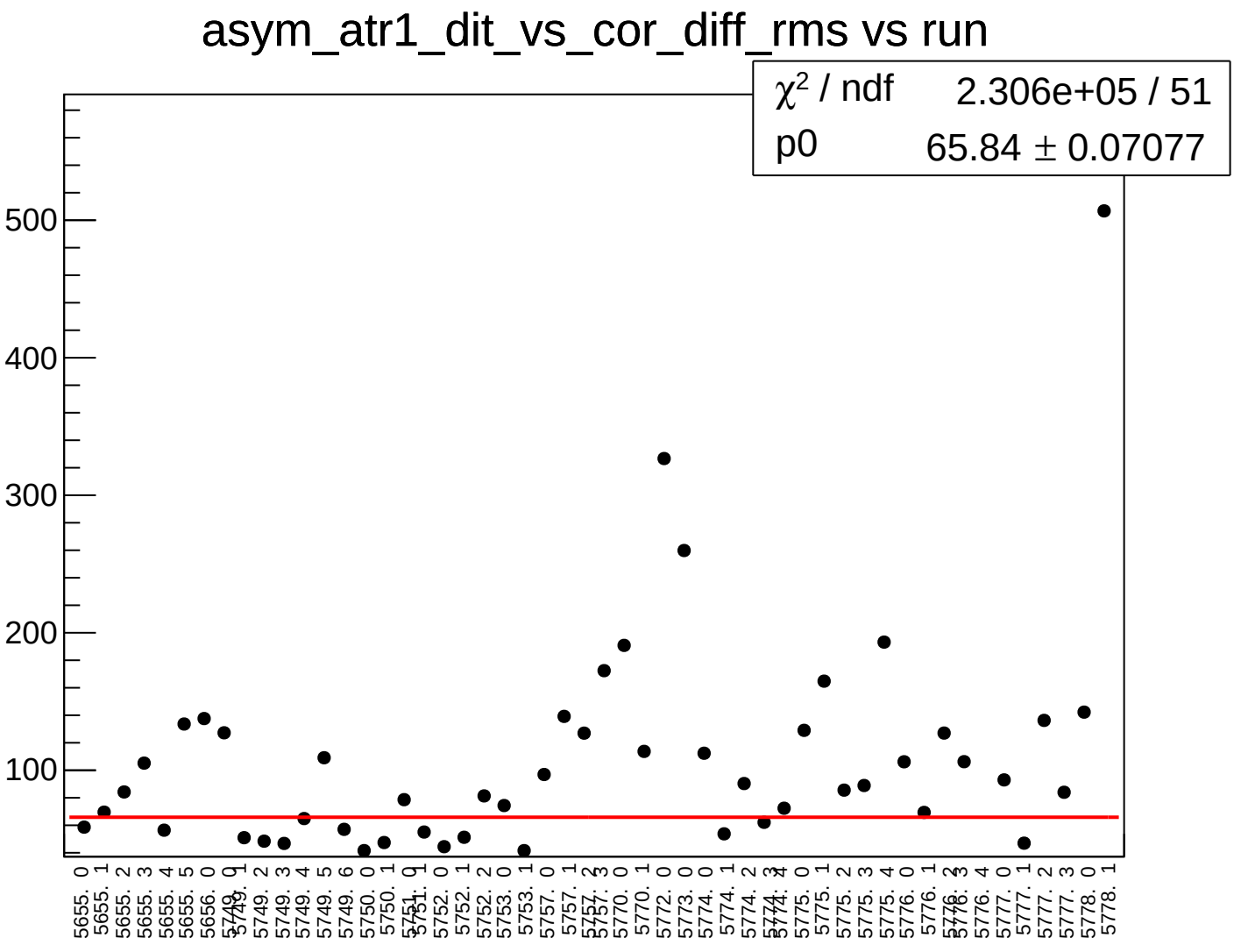
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atr1_dit_vs_cor_diff_mean vs run
χ² / ndf 61.27 / 51
p0 0.07788 ± 0.1001
pull
Entries 52
Mean 27.9
Std Dev 17.89
pull1D
Entries 52
Mean −0.05486
Std Dev 1.084


asym_atr1_dit_vs_cor_diff_rms vs run
χ² / ndf 2.306e+05 / 51
p0 65.84 ± 0.07077
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
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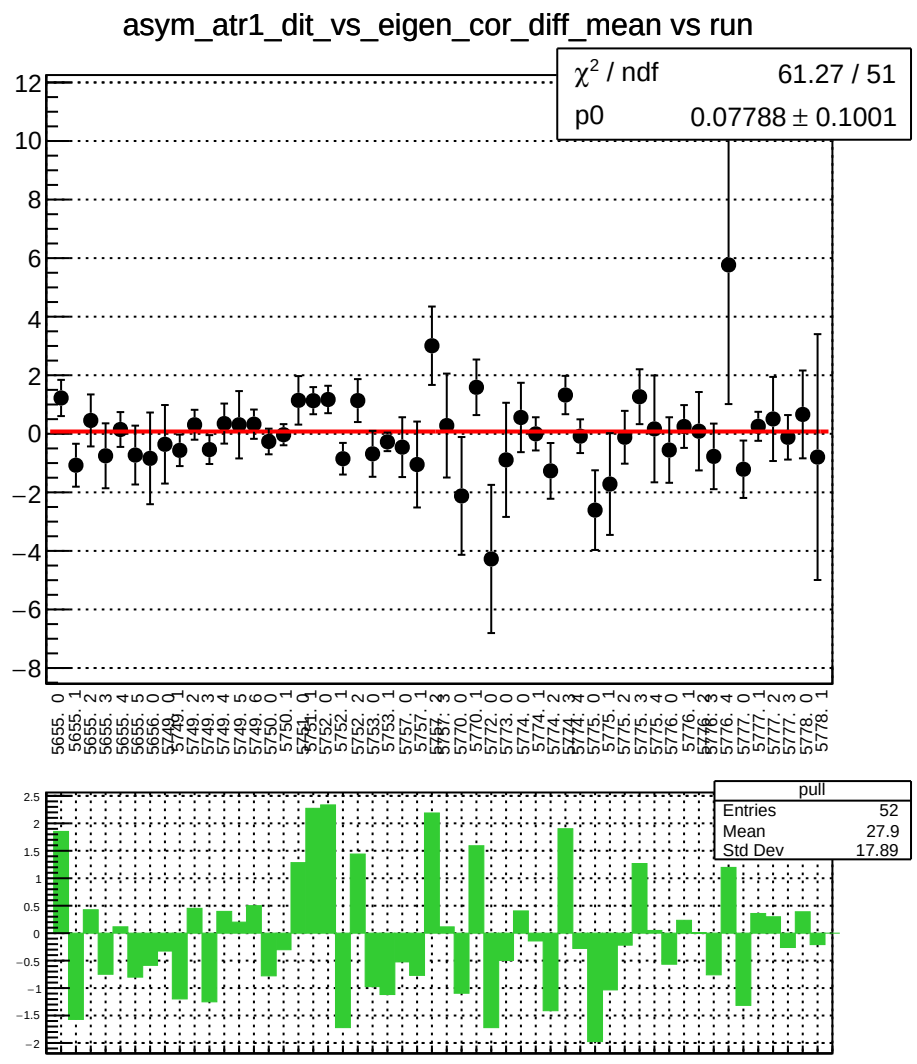
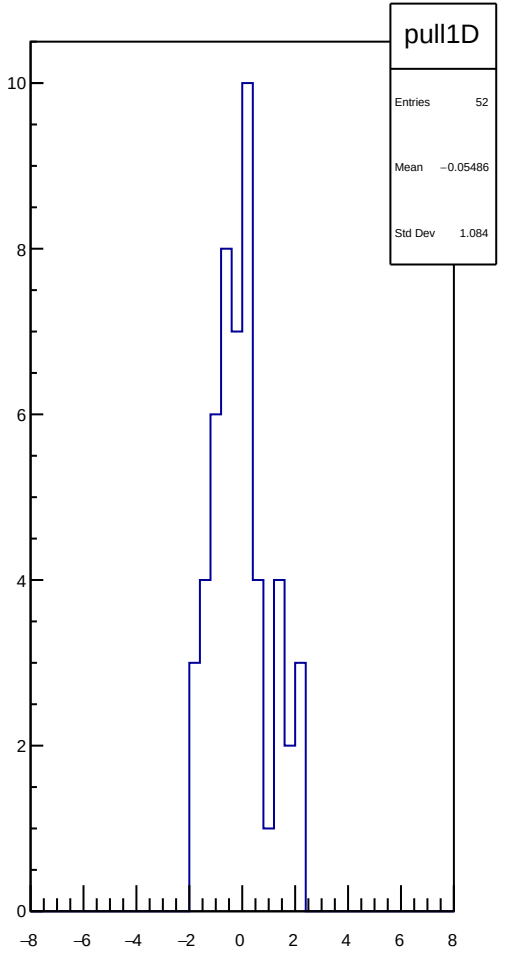
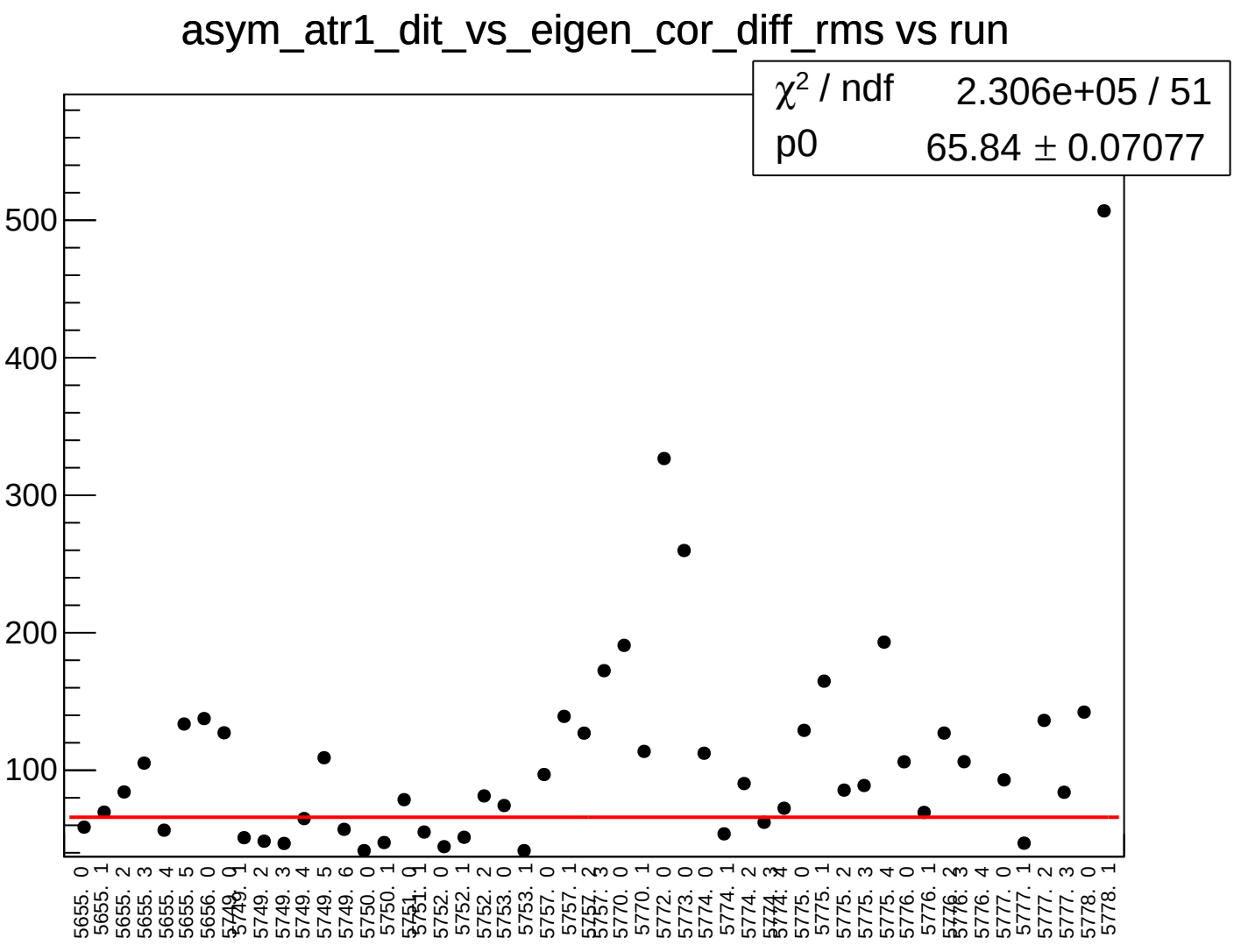
5777. 2
5777. 3
5778. 0
5778. 1


asym_atr1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.27 / 51
p0 0.07788 ± 0.1001
pull
Entries 52
Mean 27.9
Std Dev 17.89


pull1D
Entries 52
Mean −0.05486
Std Dev 1.084


asym_atr1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.306e+05 / 51
p0 65.84 ± 0.07077
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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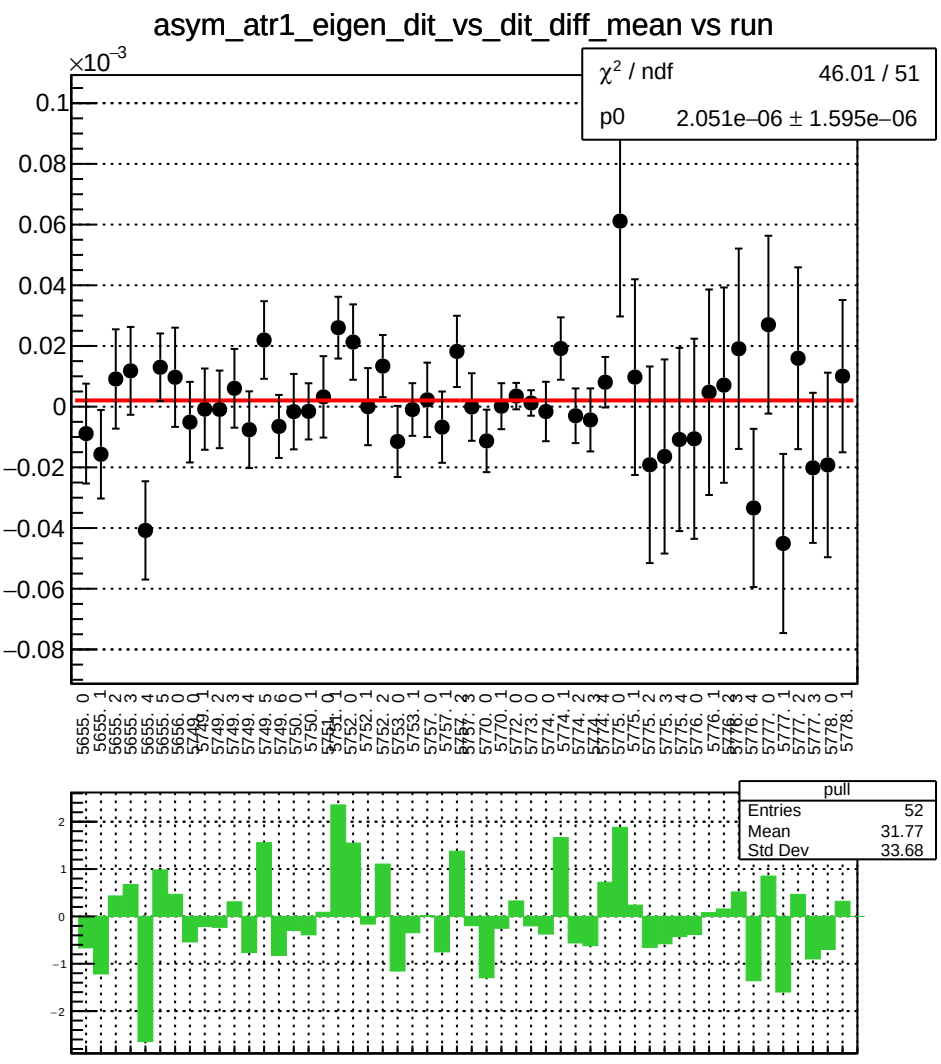
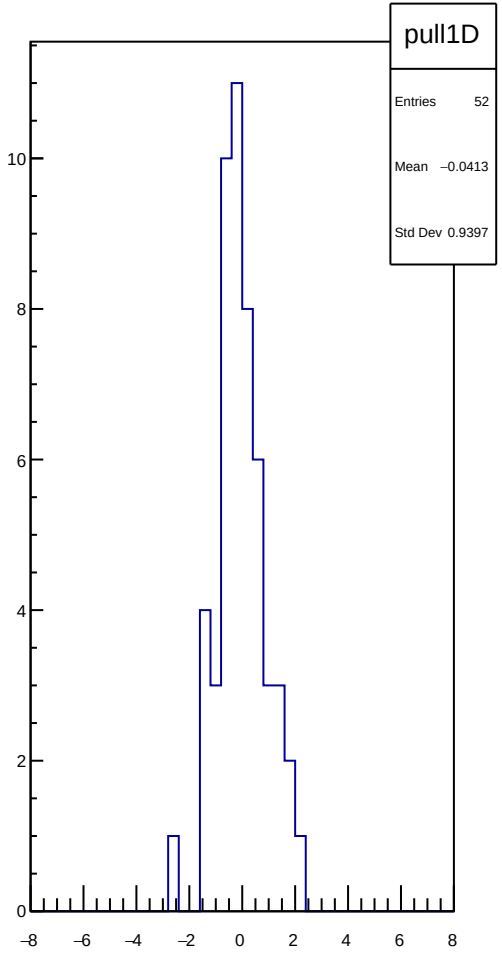
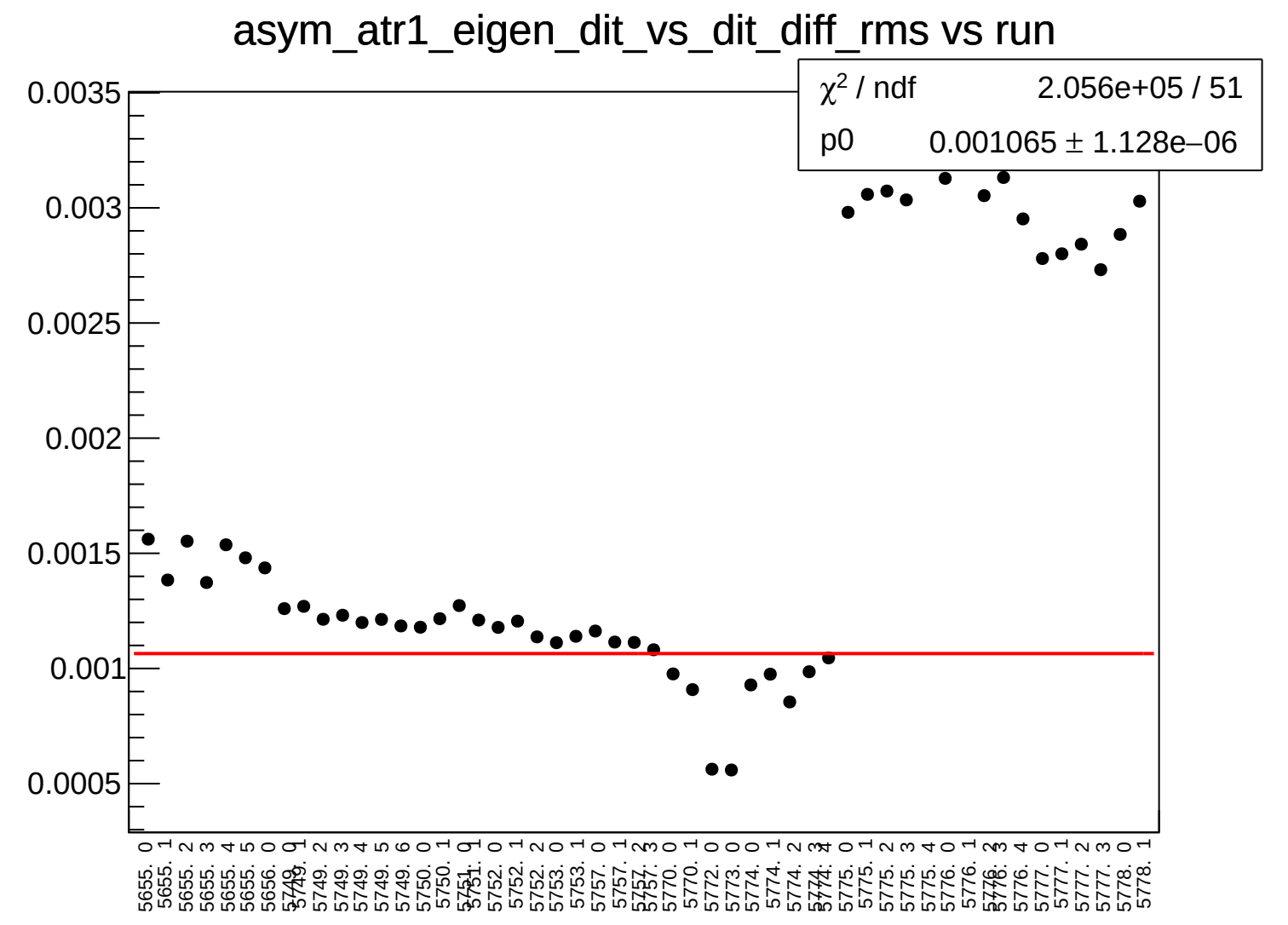
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atr1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 46.01 / 51
p0 2.051e−06 ± 1.595e−06
pull
Entries 52
Mean 31.77
Std Dev 33.68


pull1D
Entries 52
Mean −0.0413
Std Dev 0.9397


asym_atr1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.056e+05 / 51
p0 0.001065 ± 1.128e−06
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
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5749. 6
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5751. 1
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5752. 2
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5770. 1
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
5777. 0
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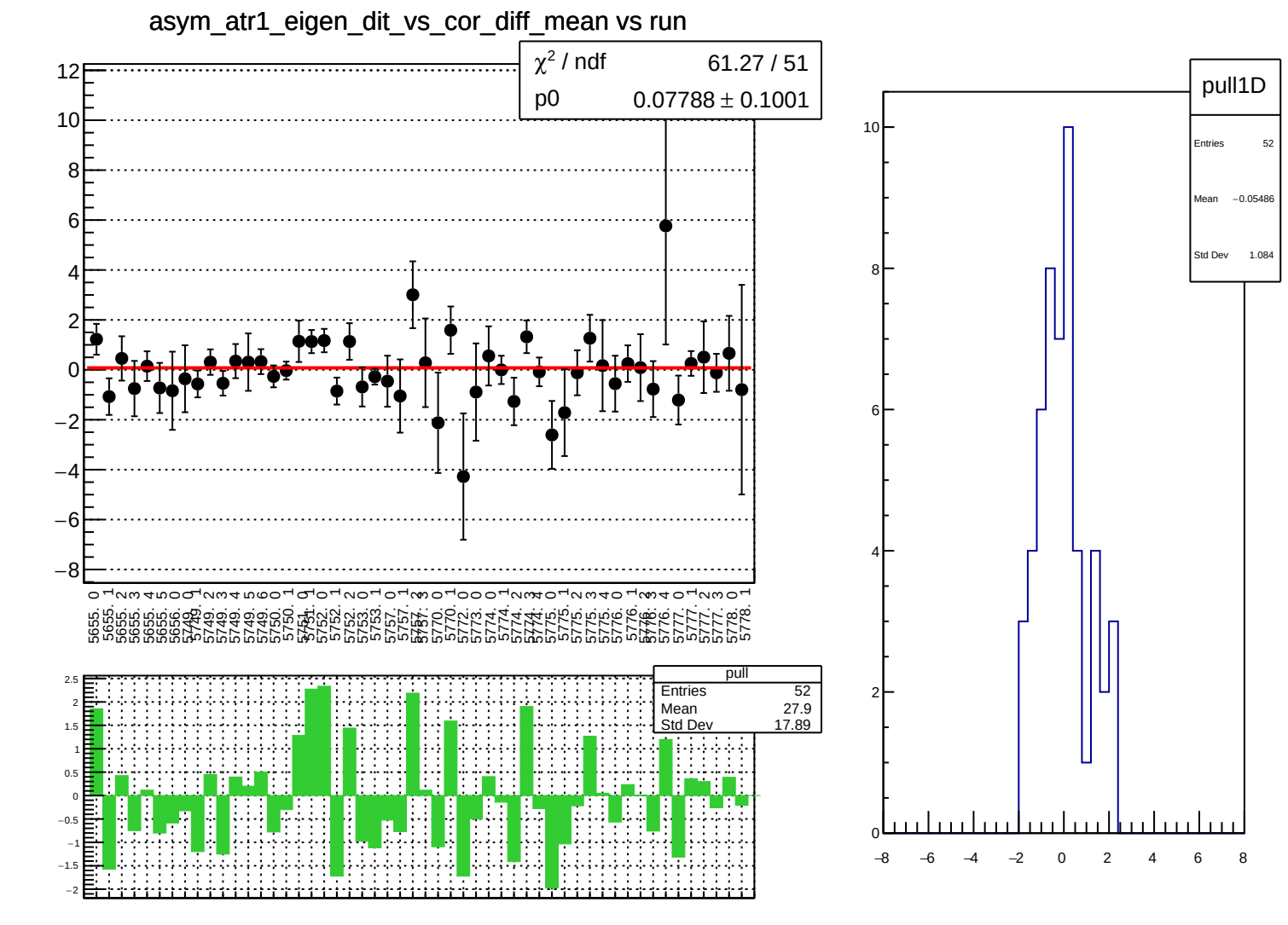
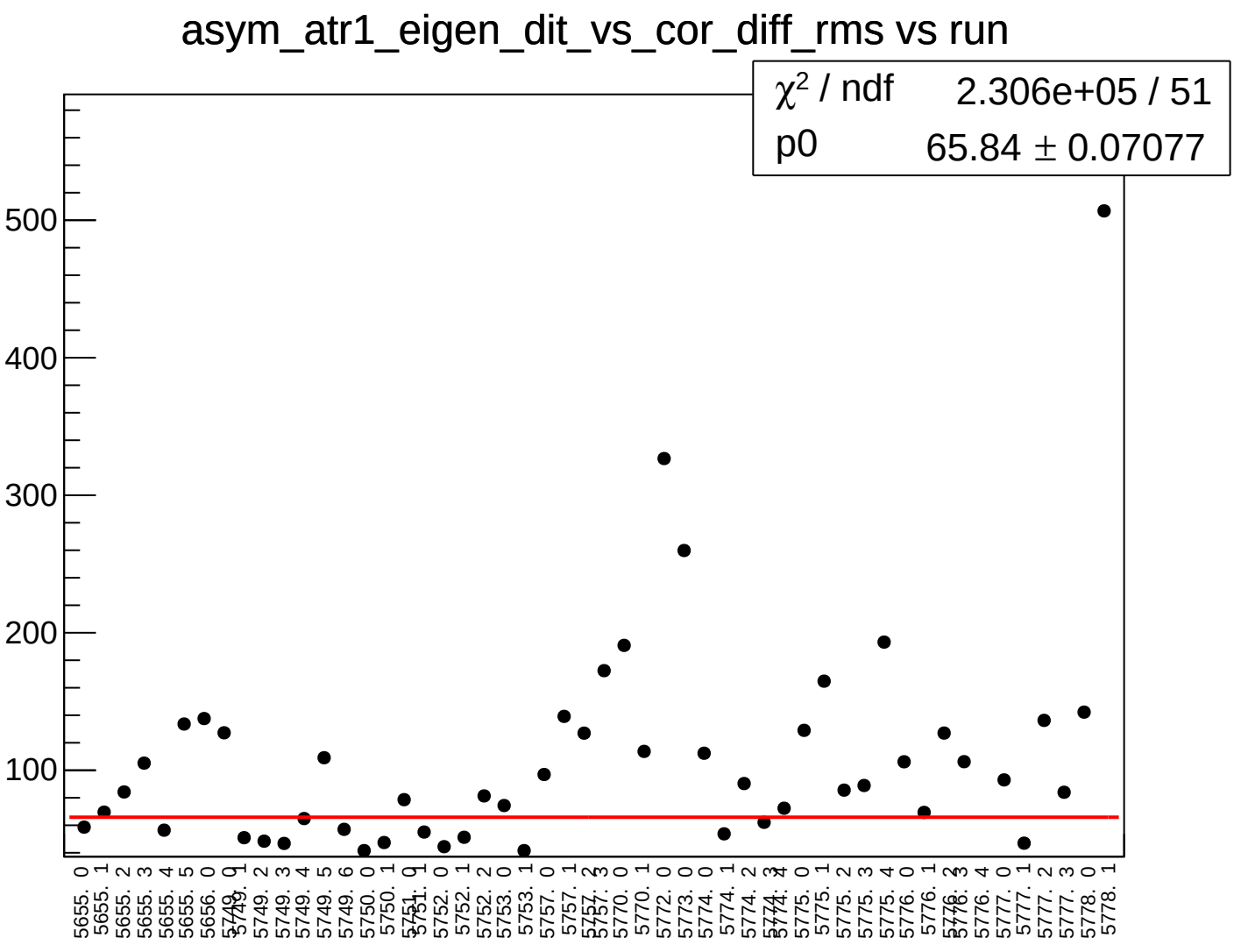
5777. 2
5777. 3
5778. 0
5778. 1


asym_atr1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 61.27 / 51
p0 0.07788 ± 0.1001
pull
Entries 52
Mean 27.9
Std Dev 17.89
pull1D
Entries 52
Mean −0.05486
Std Dev 1.084


asym_atr1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.306e+05 / 51
p0 65.84 ± 0.07077
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
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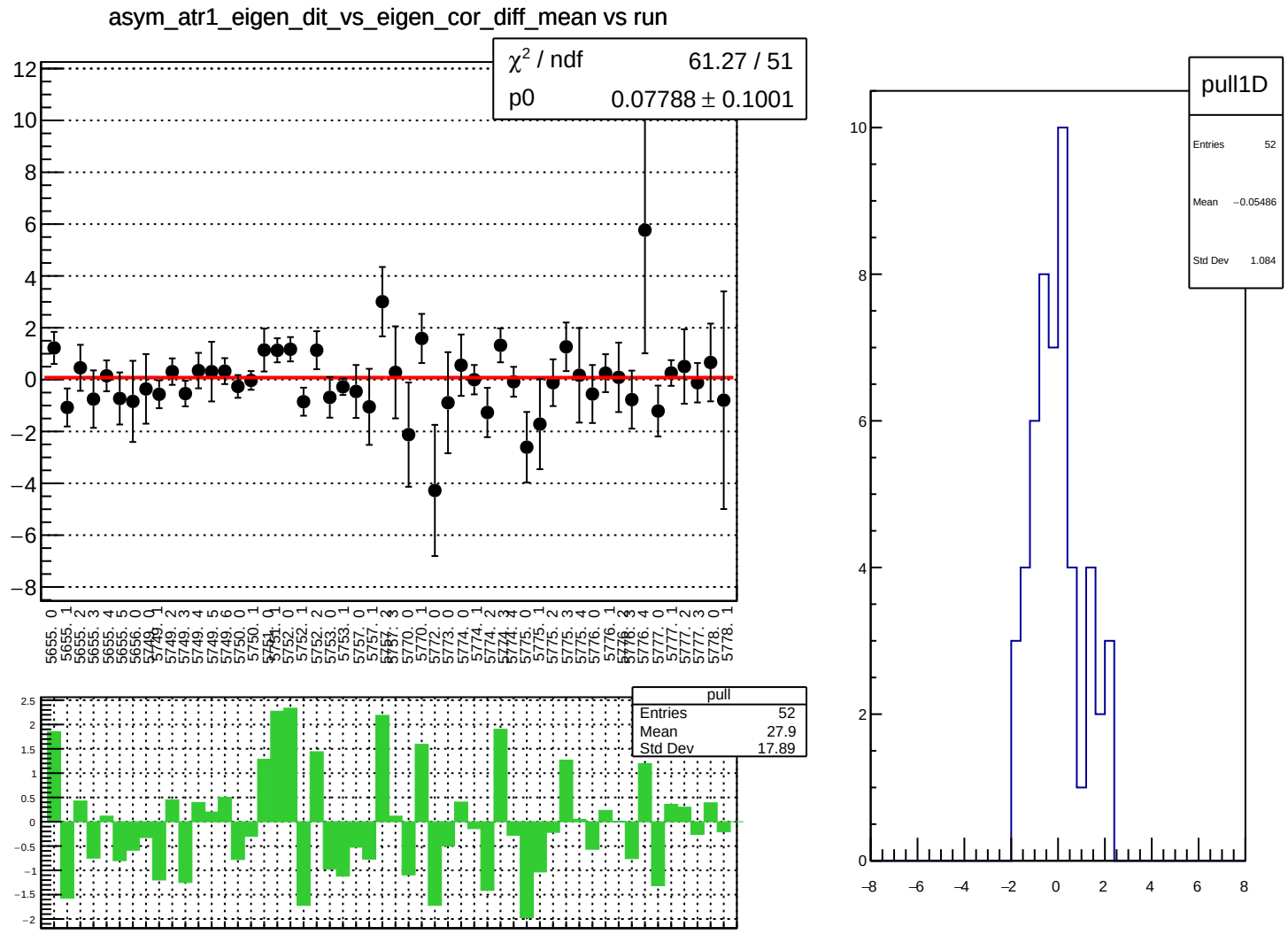
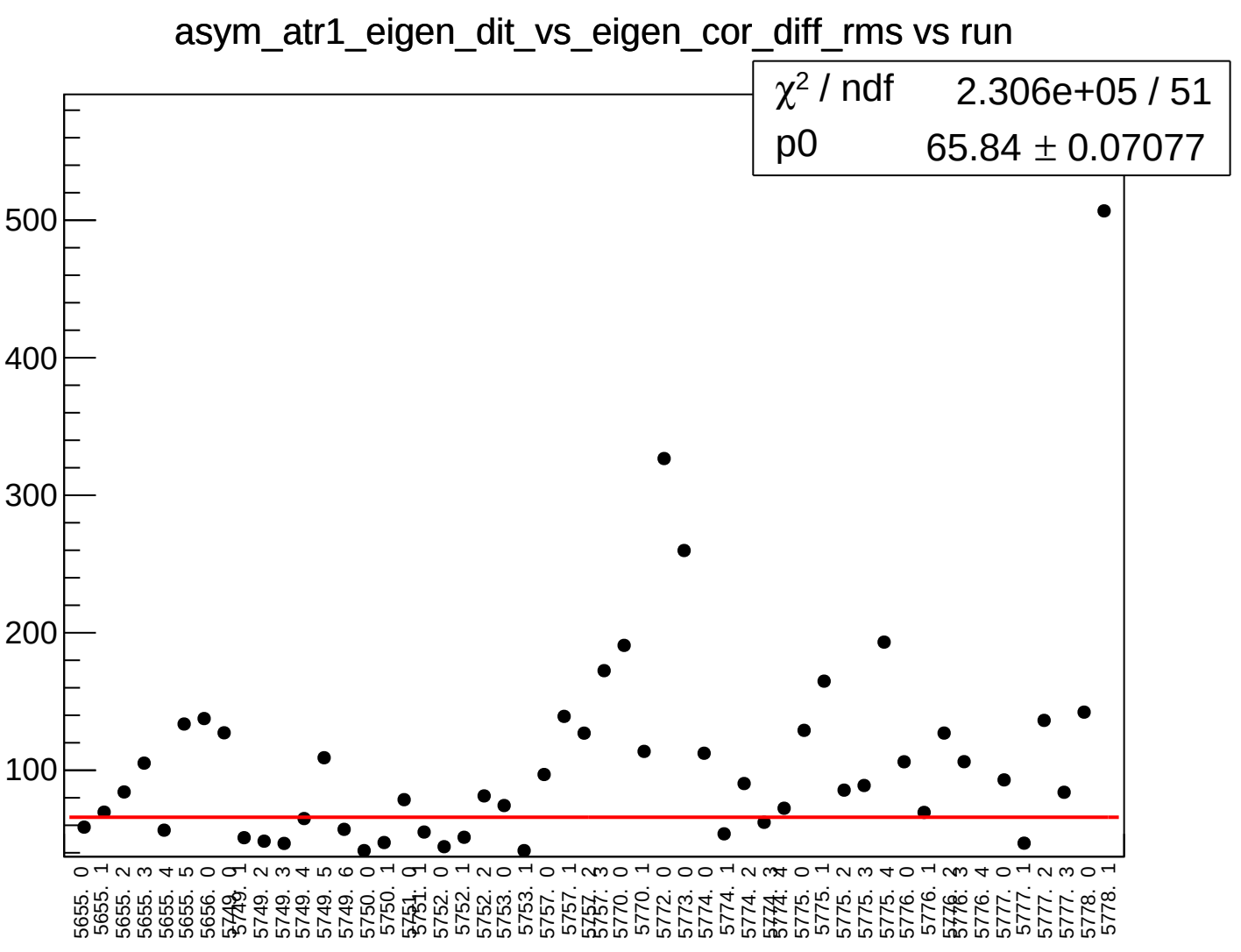
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.27 / 51
p0 0.07788 ± 0.1001
pull
Entries 52
Mean 27.9
Std Dev 17.89
pull1D
Entries 52
Mean −0.05486
Std Dev 1.084


asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.306e+05 / 51
p0 65.84 ± 0.07077
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5750. 1
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5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
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5774. 2
5775. 0
5775. 1
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5775. 4
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5776. 3
5776. 4
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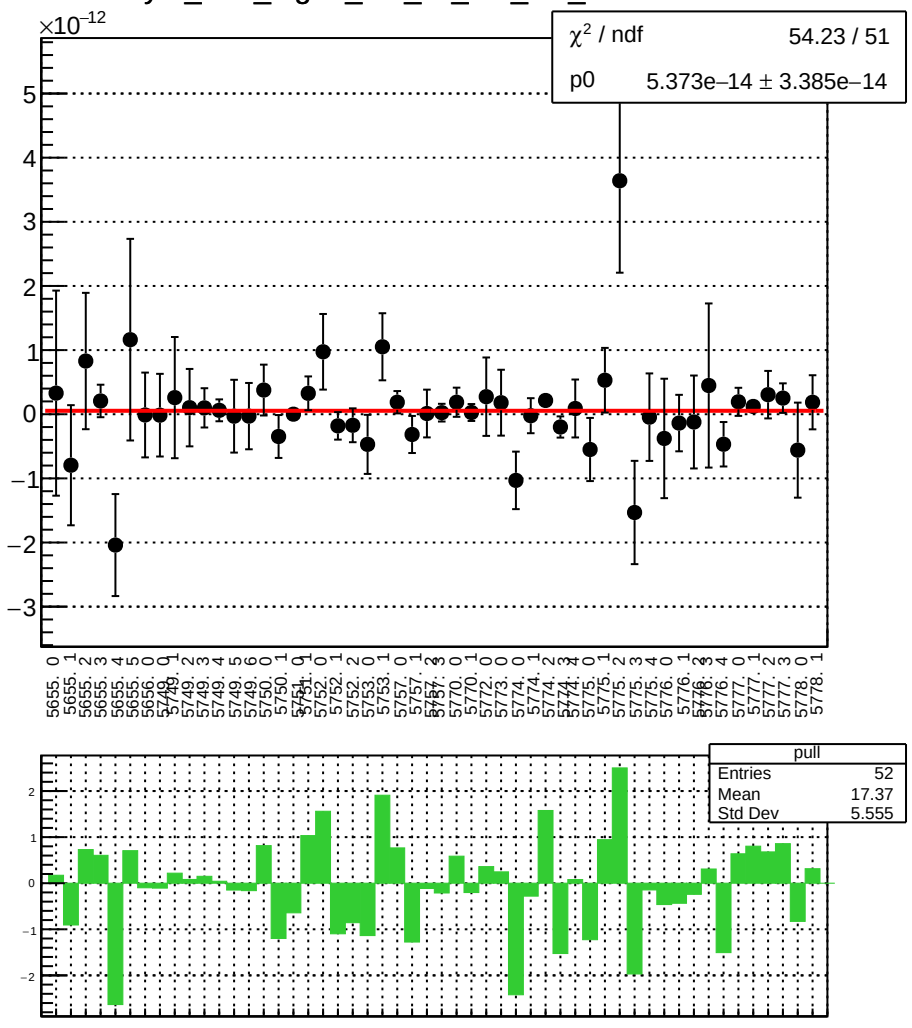
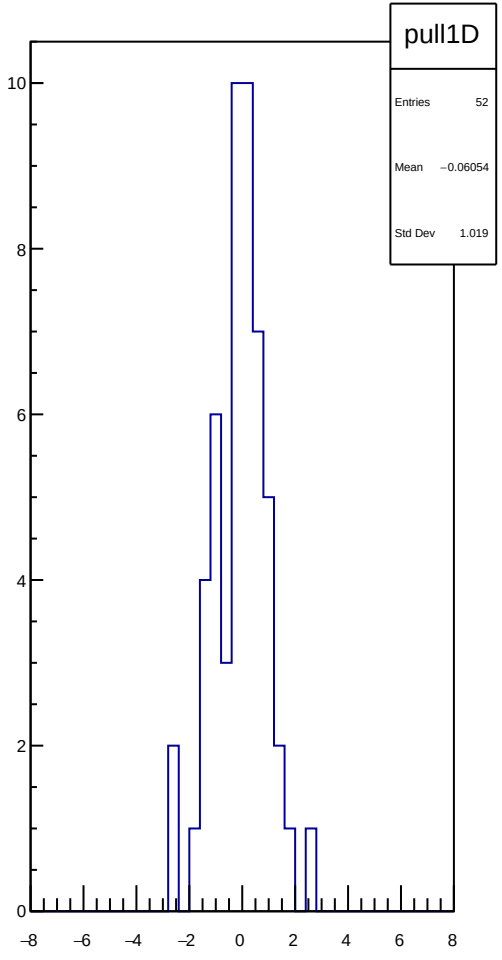
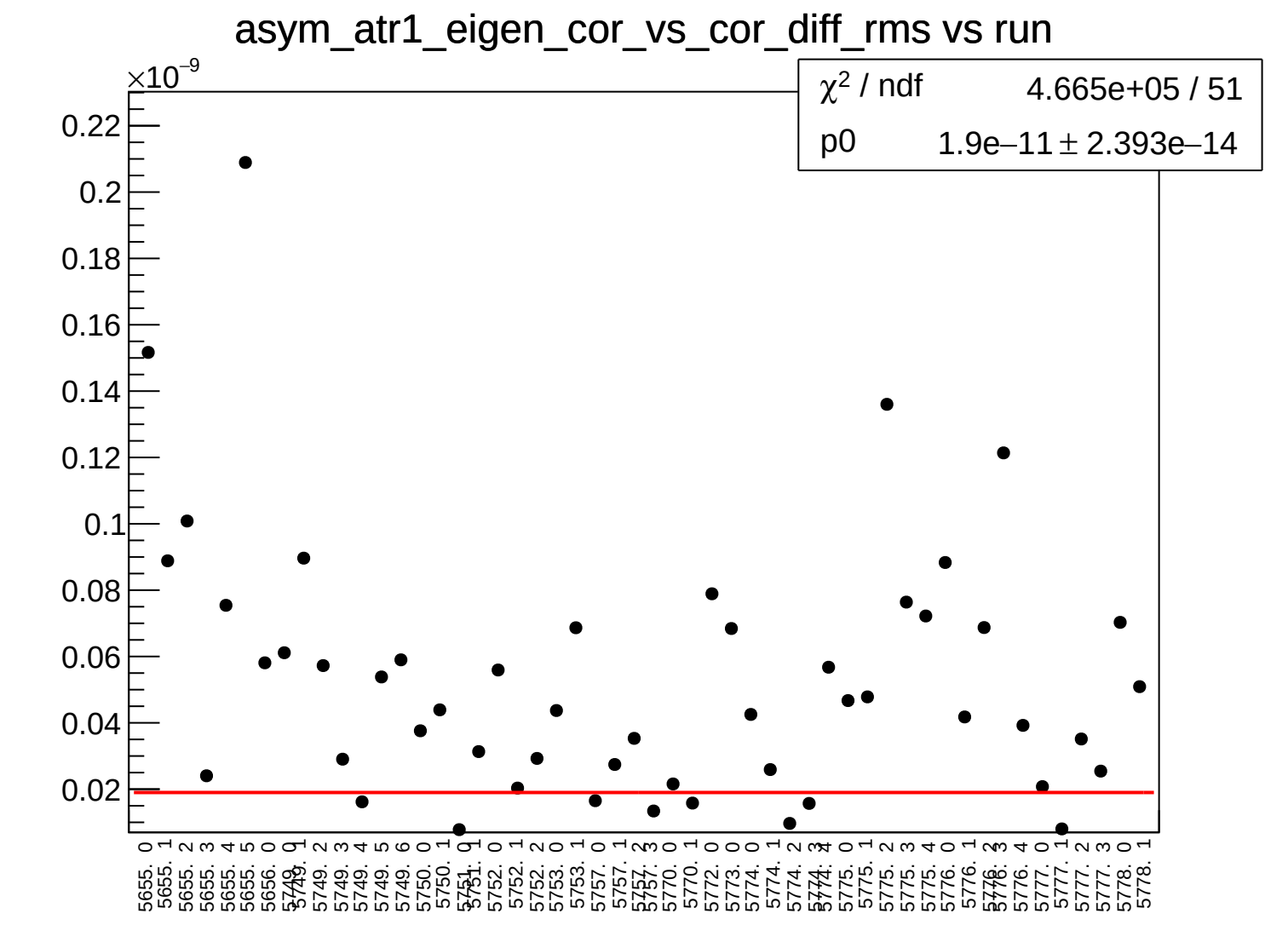
5777. 2
5777. 3
5778. 0
5778. 1


asym_atr1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.23 / 51
p0 5.373e−14 ± 3.385e−14
pull
Entries 52
Mean 17.37
Std Dev 5.555


pull1D
Entries 52
Mean −0.06054
Std Dev 1.019


asym_atr1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.665e+05 / 51
p0 1.9e−11 ± 2.393e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
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5752. 2
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5753. 1
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
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5777. 0
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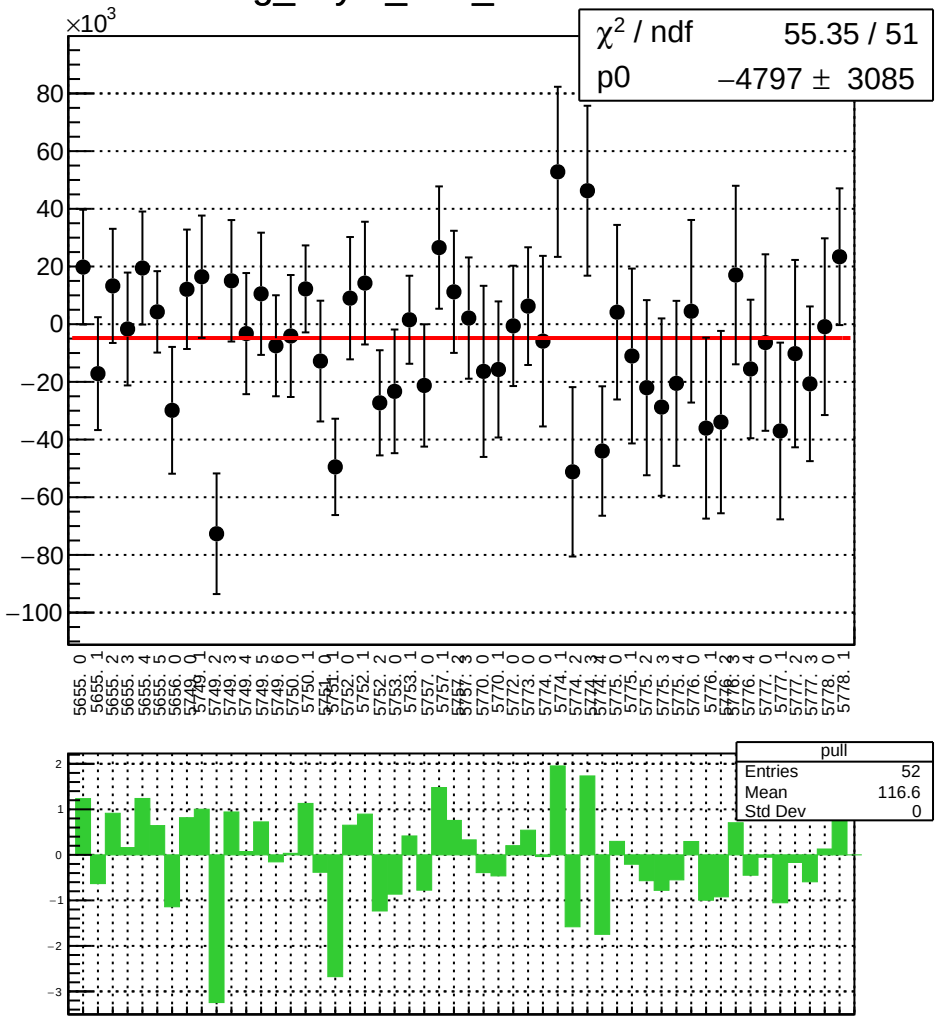
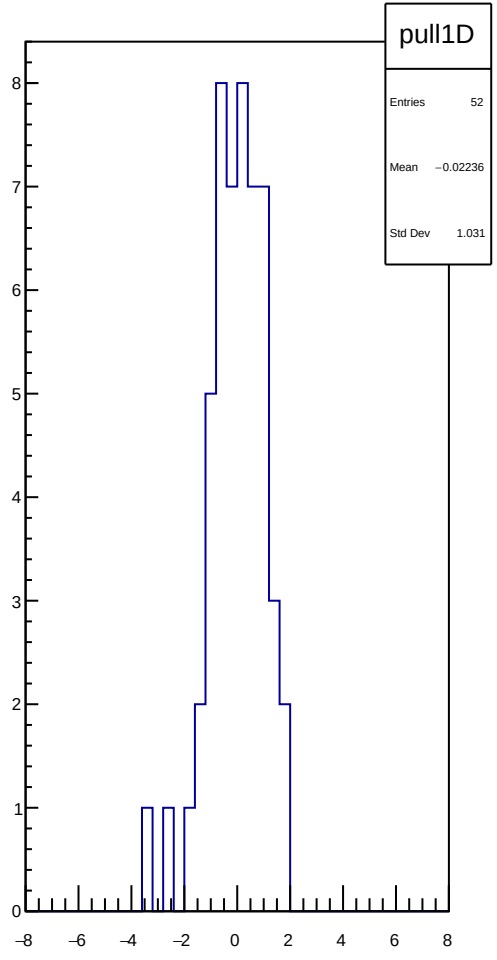
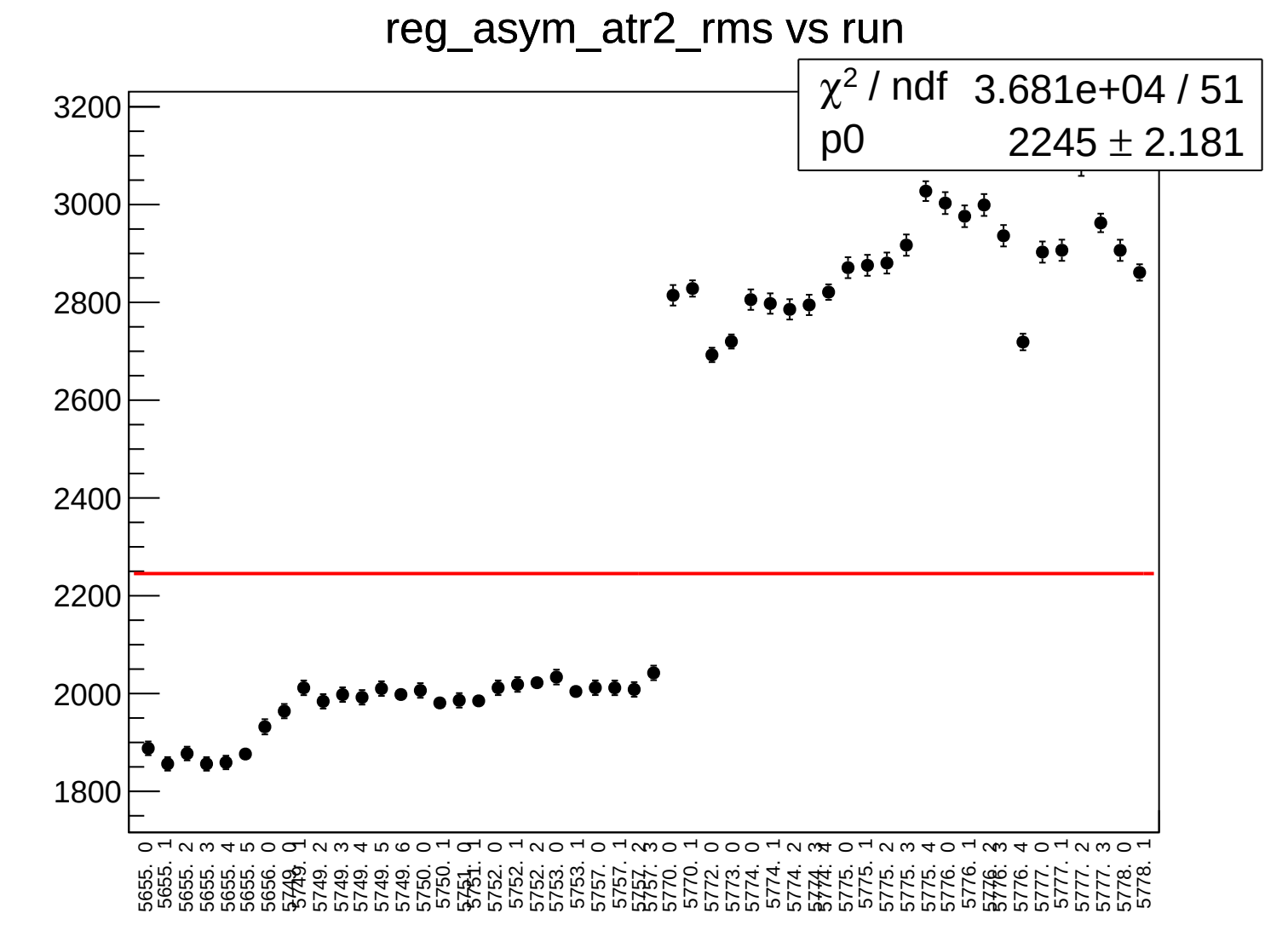
5777. 2
5777. 3
5778. 0
5778. 1


reg_asym_atr2_mean vs run
×10^3
χ² / ndf 55.35 / 51
p0 −4797 ± 3085
80
60
40
20
0
−20
−40
−60
−80
−100
pull
Entries 52
Mean 116.6
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.02236
Std Dev 1.031
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atr2_rms vs run
χ² / ndf 3.681e+04 / 51
p0 2245 ± 2.181
3200
3000
2800
2600
2400
2200
2000
1800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
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5774. 0
5774. 1
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5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
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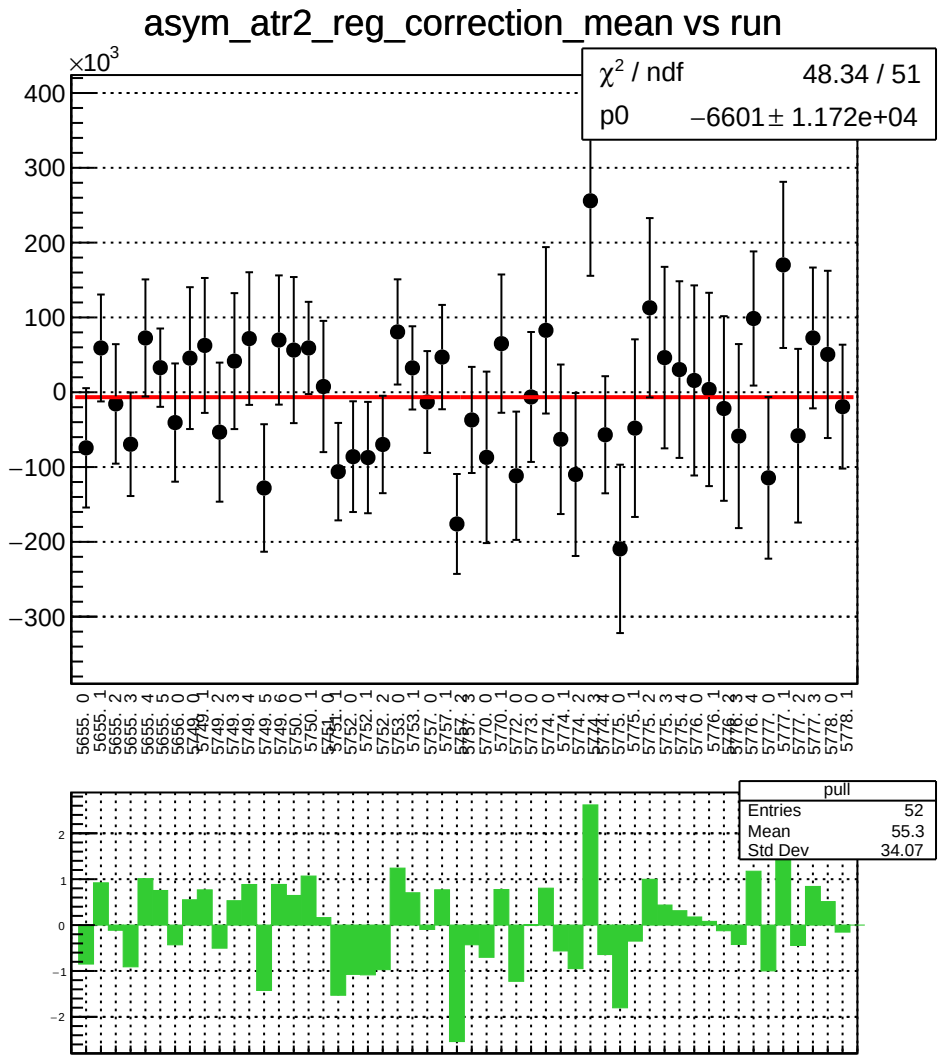
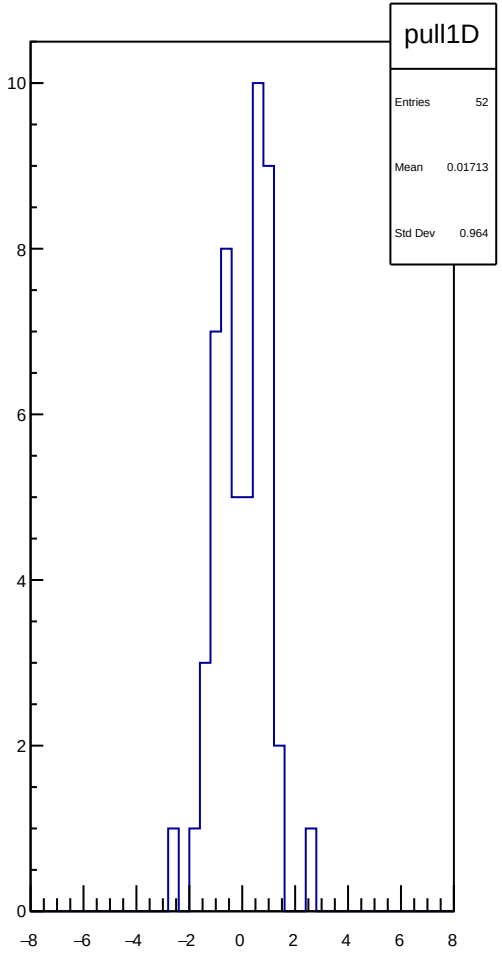
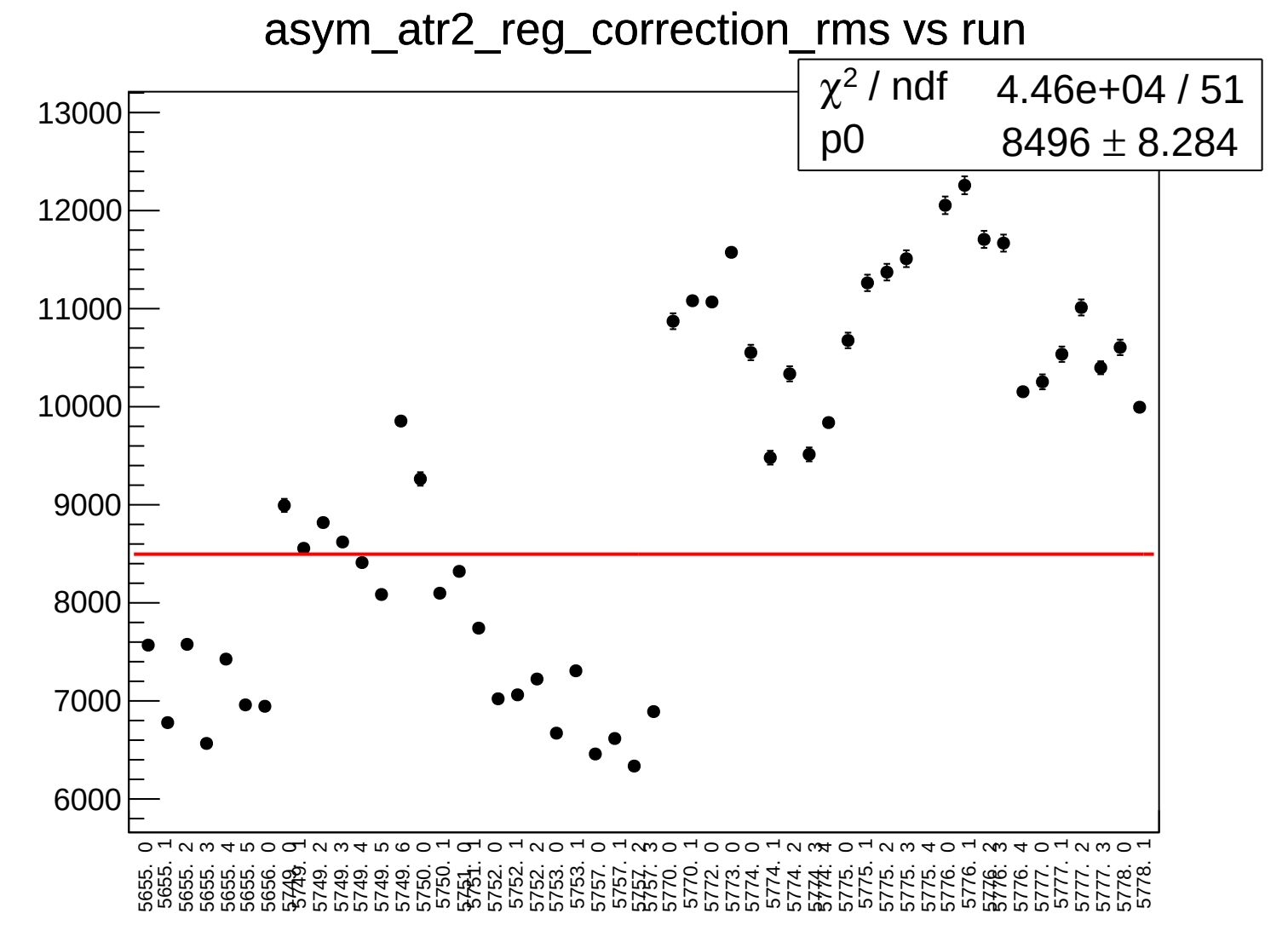
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atr2_reg_correction_mean vs run
×10^3
χ² / ndf 48.34 / 51
p0 −6601 ± 1.172e+04
400
300
200
100
0
−100
−200
−300
pull
Entries 52
Mean 55.3
Std Dev 34.07
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01713
Std Dev 0.964
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr2_reg_correction_rms vs run
χ² / ndf 4.46e+04 / 51
p0 8496 ± 8.284
13000
12000
11000
10000
9000
8000
7000
6000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
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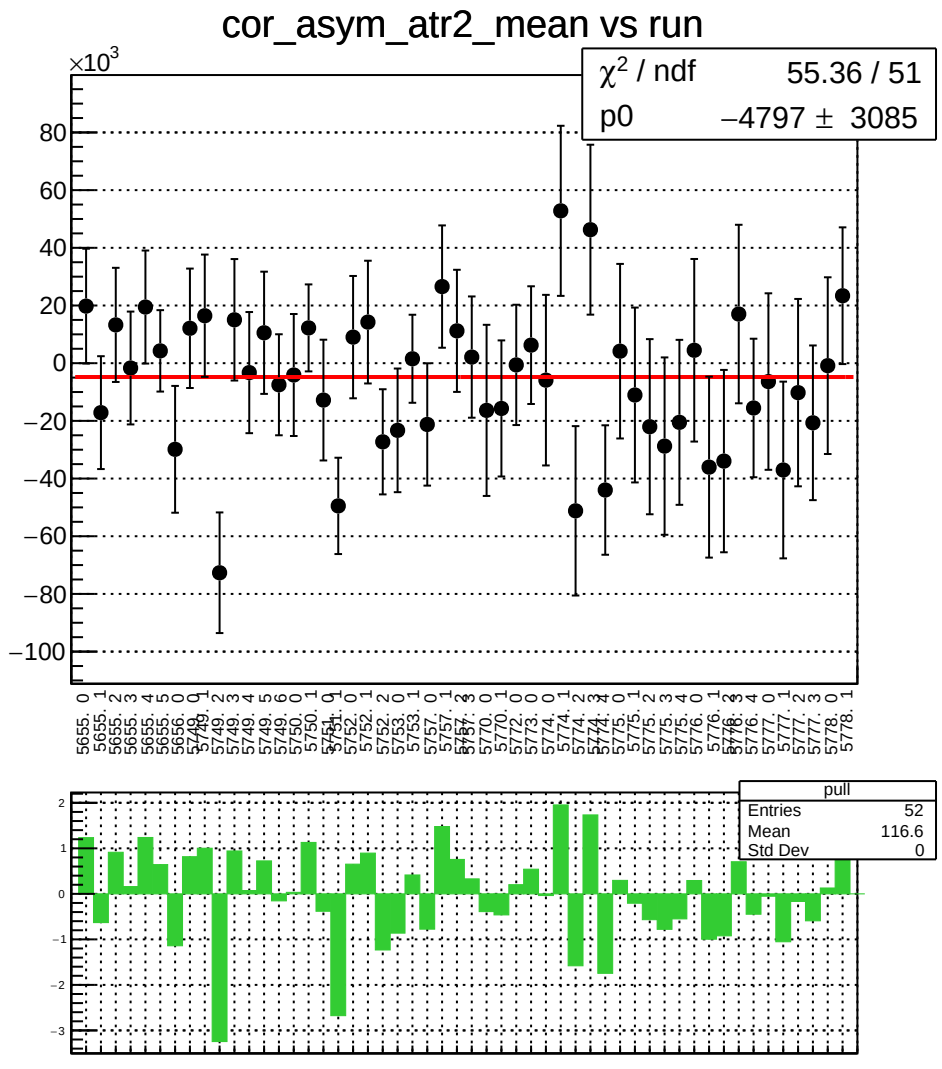
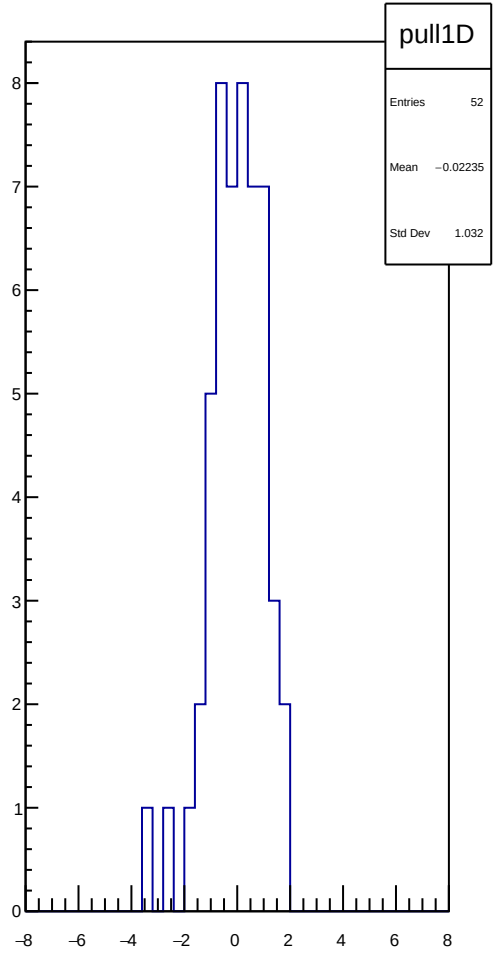
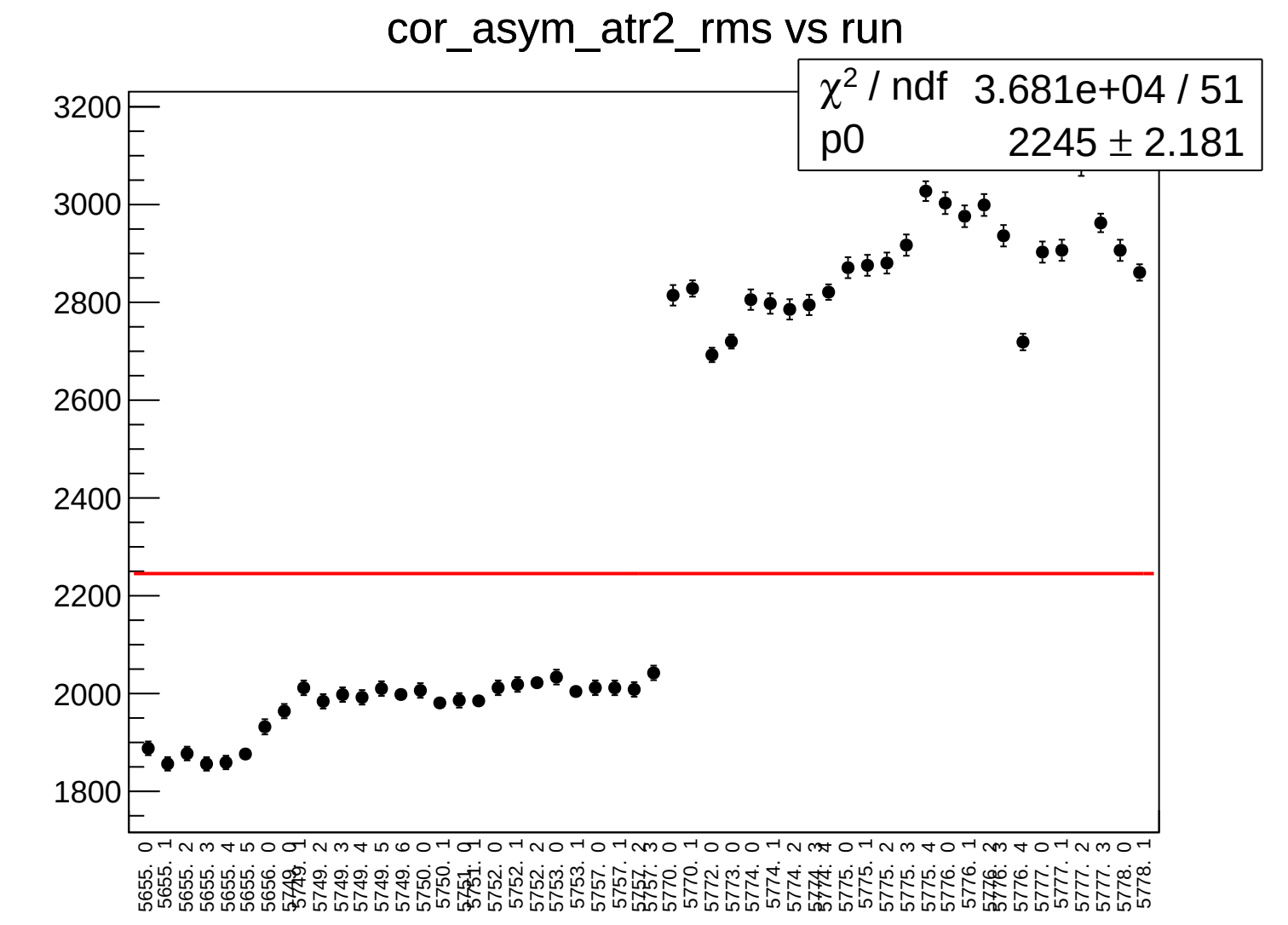
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_atr2_mean vs run
×10^3
χ² / ndf 55.36 / 51
p0 −4797 ± 3085
80
60
40
20
0
−20
−40
−60
−80
−100
pull
Entries 52
Mean 116.6
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.02235
Std Dev 1.032
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atr2_rms vs run
χ^2 / ndf 3.681e+04 / 51
p0 2245 ± 2.181
3200
3000
2800
2600
2400
2200
2000
1800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
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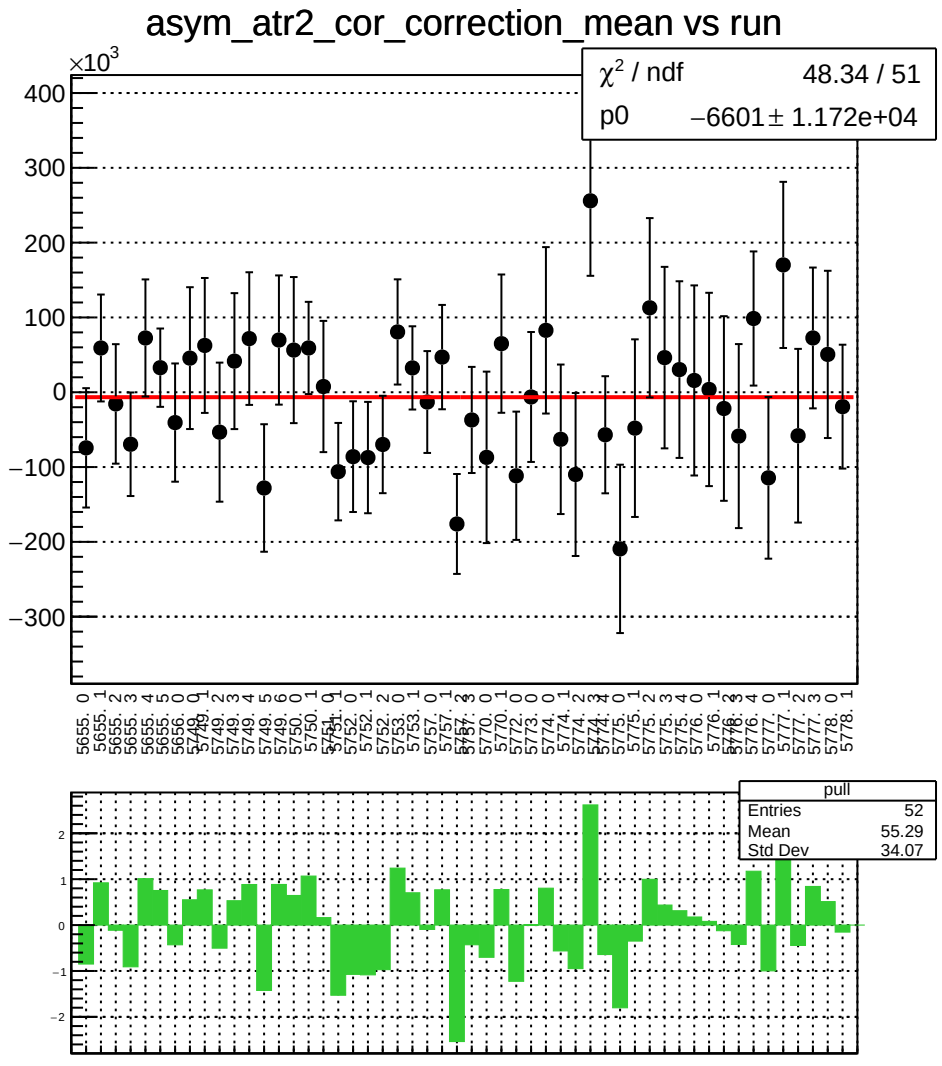
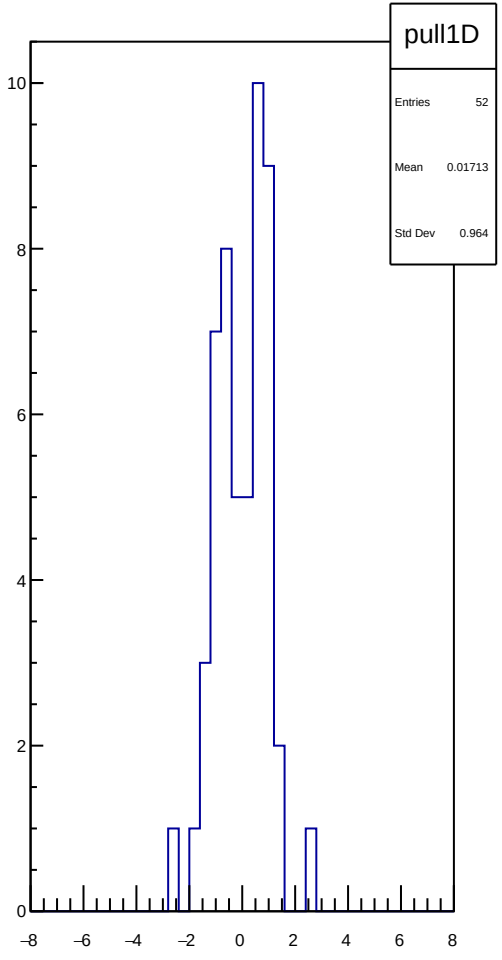
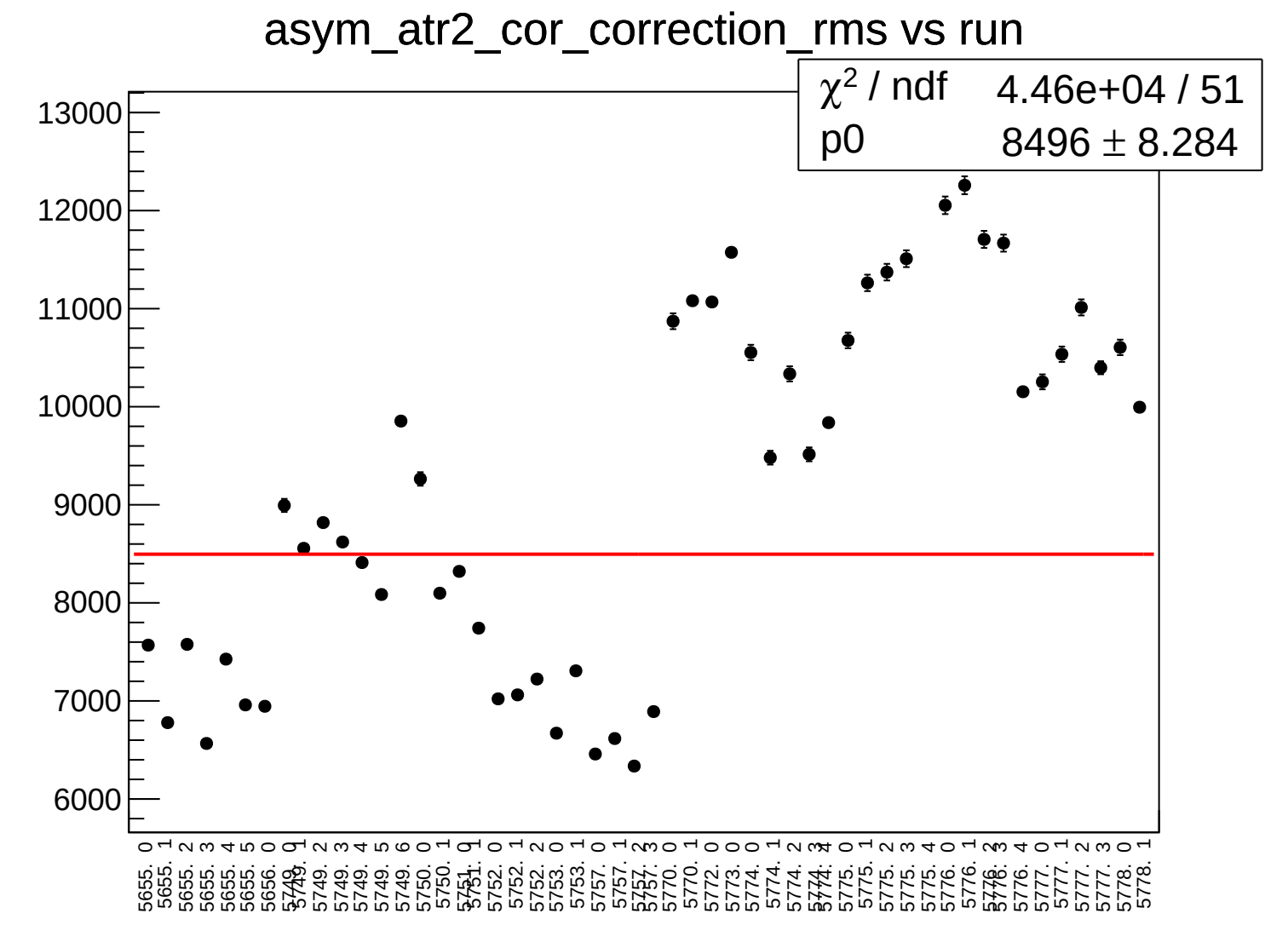
5778. 0
5778. 1


asym_atr2_cor_correction_mean vs run
×10^3
χ² / ndf 48.34 / 51
p0 −6601 ± 1.172e+04
pull
Entries 52
Mean 55.29
Std Dev 34.07


pull1D
Entries 52
Mean 0.01713
Std Dev 0.964


asym_atr2_cor_correction_rms vs run
χ² / ndf 4.46e+04 / 51
p0 8496 ± 8.284
13000
12000
11000
10000
9000
8000
7000
6000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5750. 1
5751. 1
5752. 0
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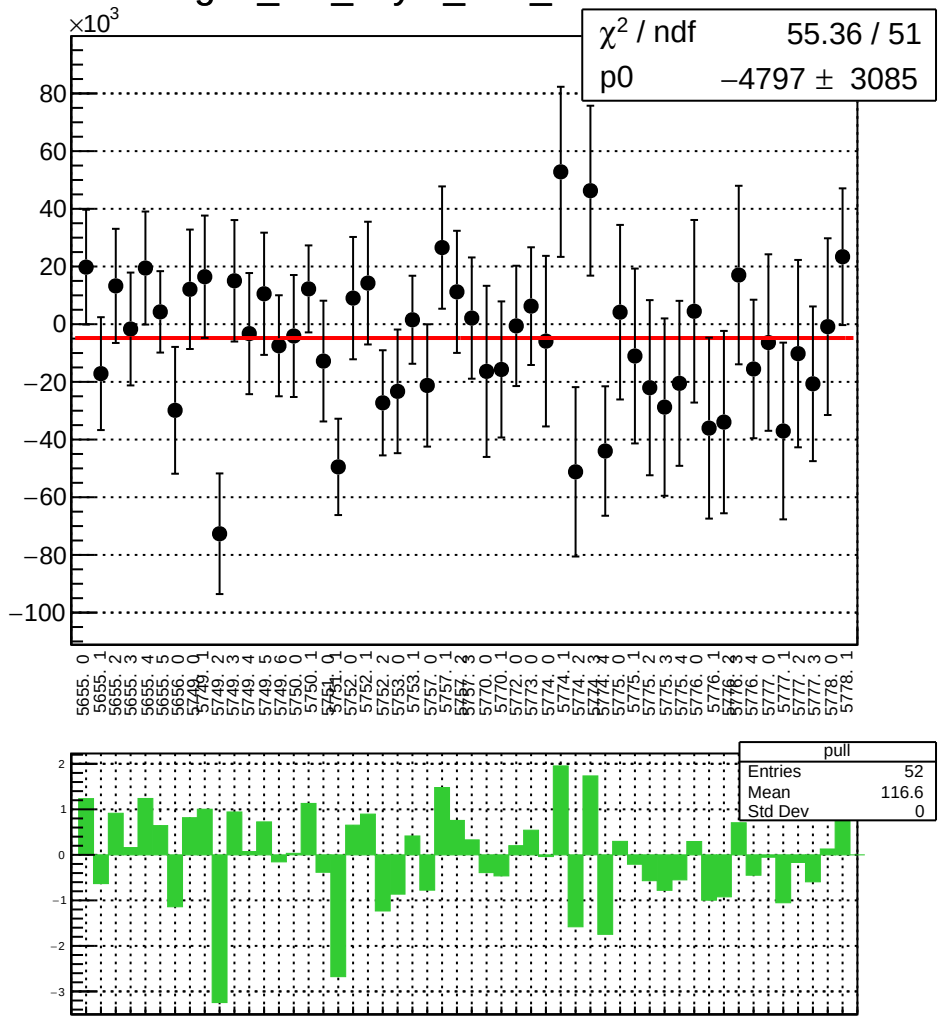
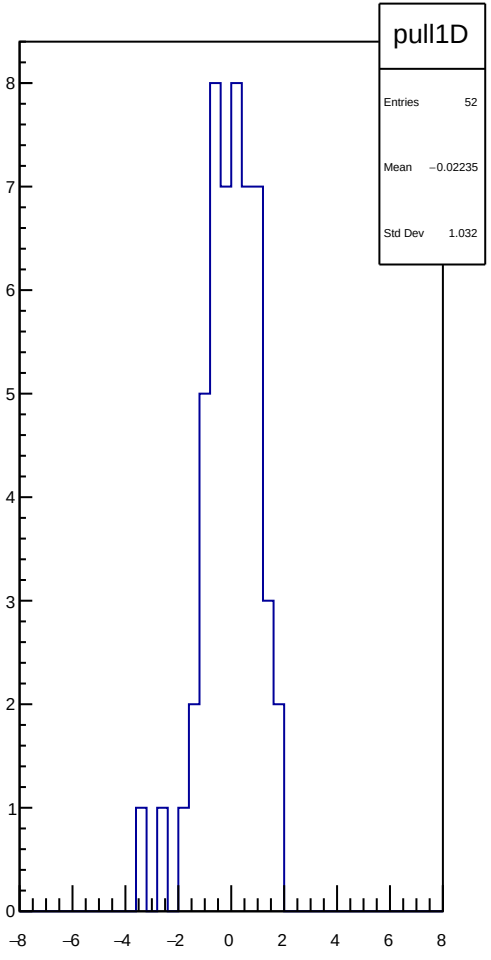
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_atr2_mean vs run
×10^3
χ² / ndf 55.36 / 51
p0 −4797 ± 3085
80
60
40
20
0
−20
−40
−60
−80
−100
pull
Entries 52
Mean 116.6
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.02235
Std Dev 1.032
8
7
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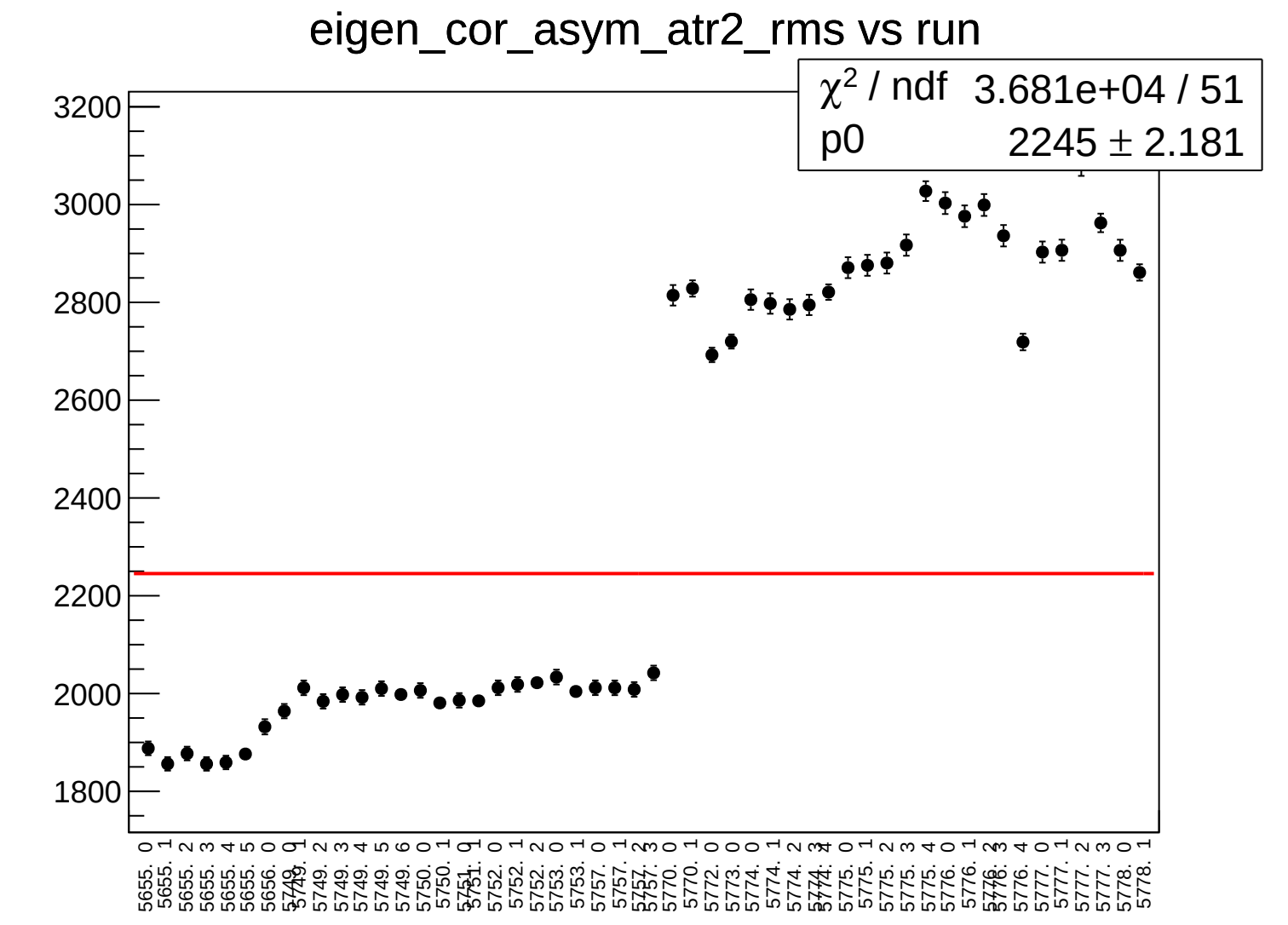
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atr2_rms vs run
χ² / ndf 3.681e+04 / 51
p0 2245 ± 2.181
3200
3000
2800
2600
2400
2200
2000
1800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
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5753. 1
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5770. 1
5772. 0
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5774. 0
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5774. 2
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5775. 3
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5777. 1
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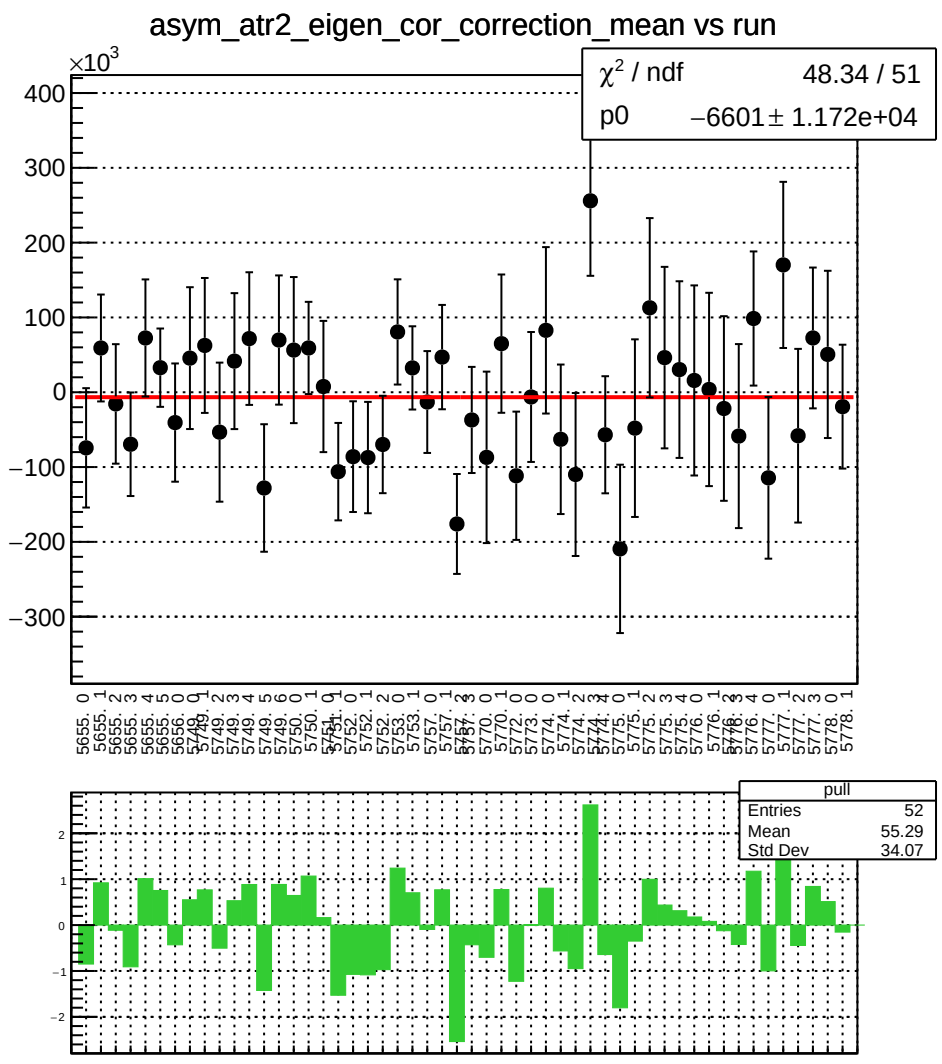
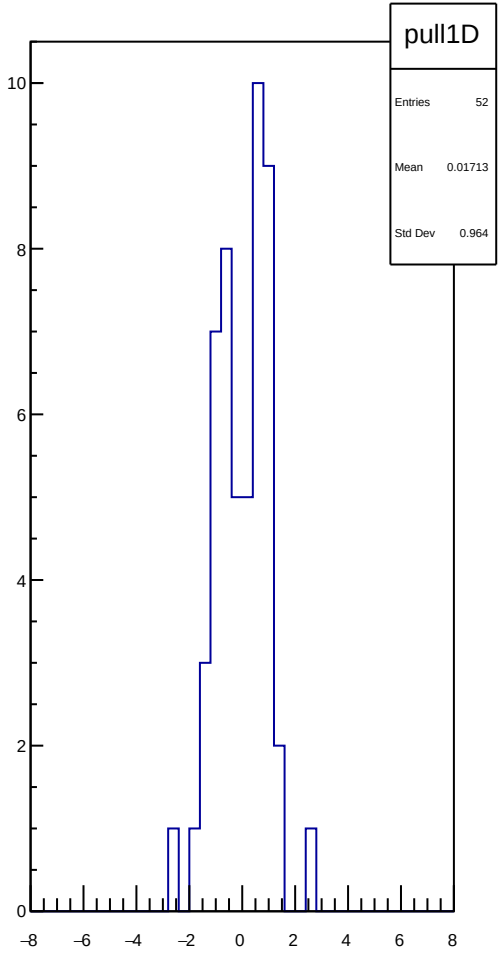
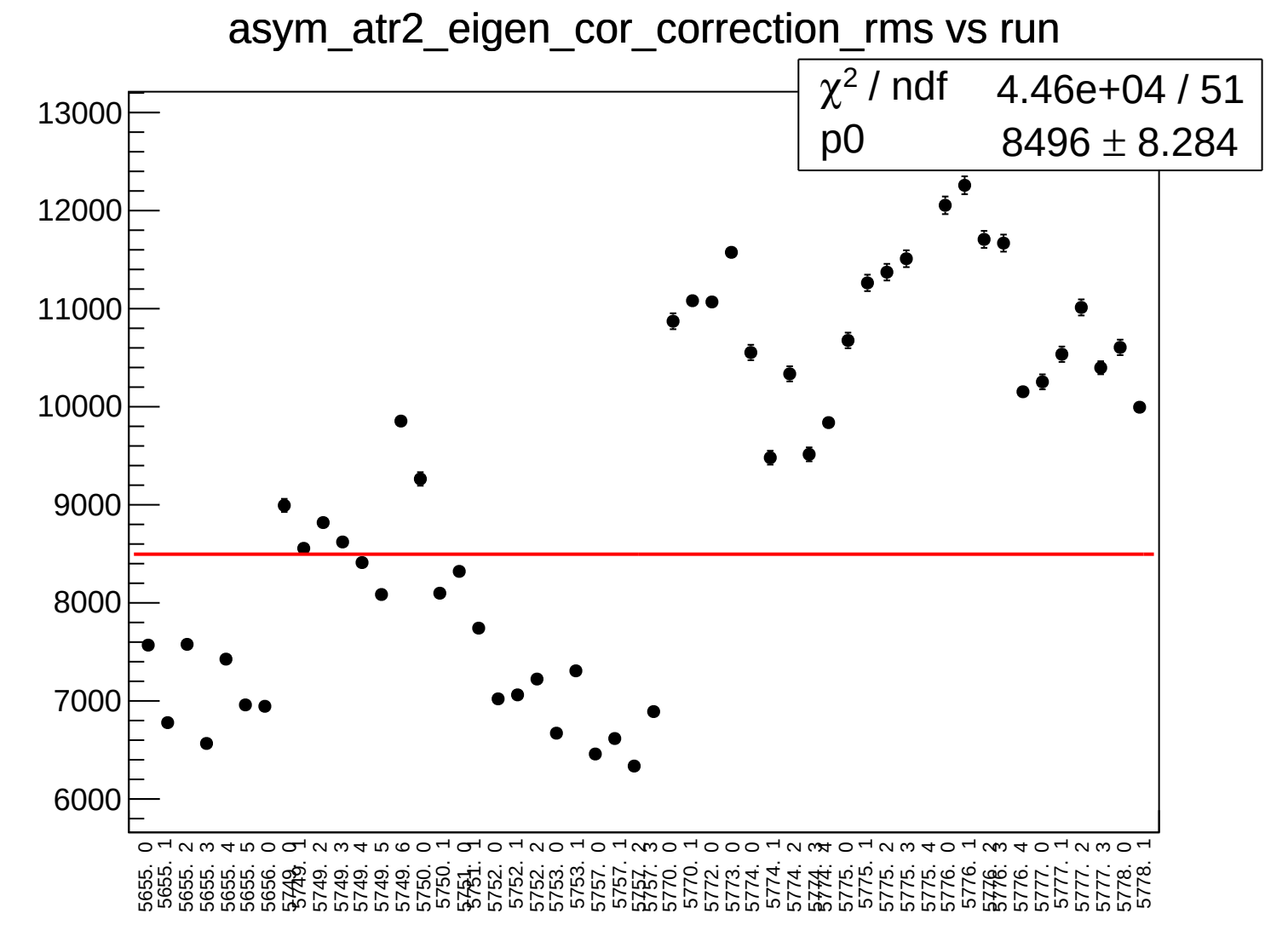
5778. 0
5778. 1


asym_atr2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 48.34 / 51
p0 −6601 ± 1.172e+04
pull
Entries 52
Mean 55.29
Std Dev 34.07


pull1D
Entries 52
Mean 0.01713
Std Dev 0.964


asym_atr2_eigen_cor_correction_rms vs run
χ² / ndf 4.46e+04 / 51
p0 8496 ± 8.284
13000
12000
11000
10000
9000
8000
7000
6000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5752. 1
5752. 2
5753. 0
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5757. 1
5757. 2
5757. 3
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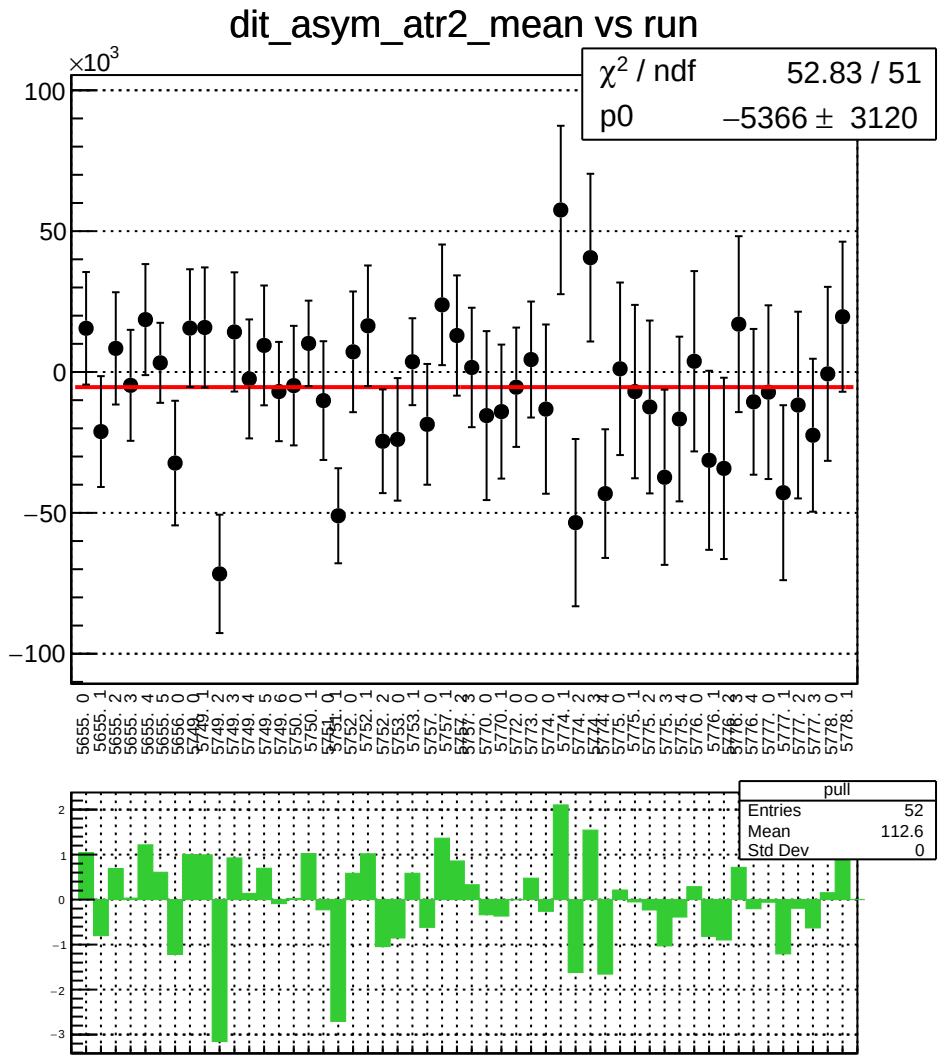
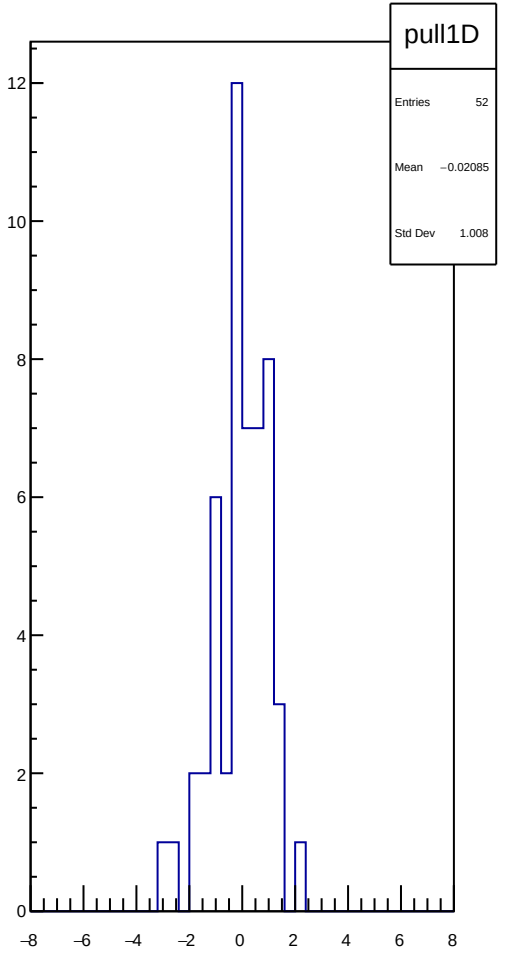
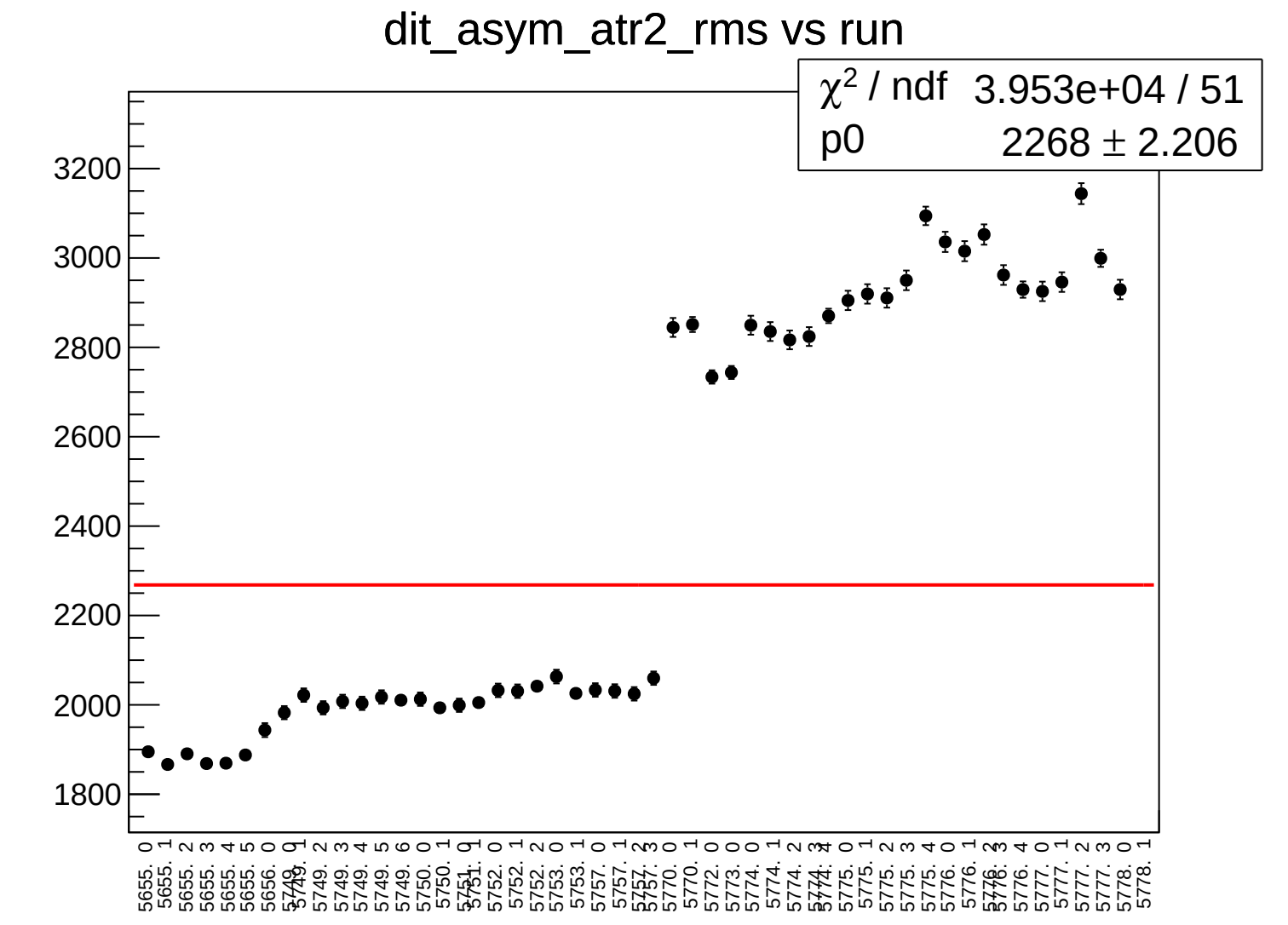

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 52.83 / 51
p0 −5366 ± 3120
pull
Entries 52
Mean 112.6
Std Dev 0


pull1D
Entries 52
Mean −0.02085
Std Dev 1.008


dit_asym_atr2_rms vs run
χ² / ndf 3.953e+04 / 51
p0 2268 ± 2.206
3200
3000
2800
2600
2400
2200
2000
1800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
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5749. 4
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5749. 6
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5752. 0
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5753. 1
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5757. 1
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5770. 1
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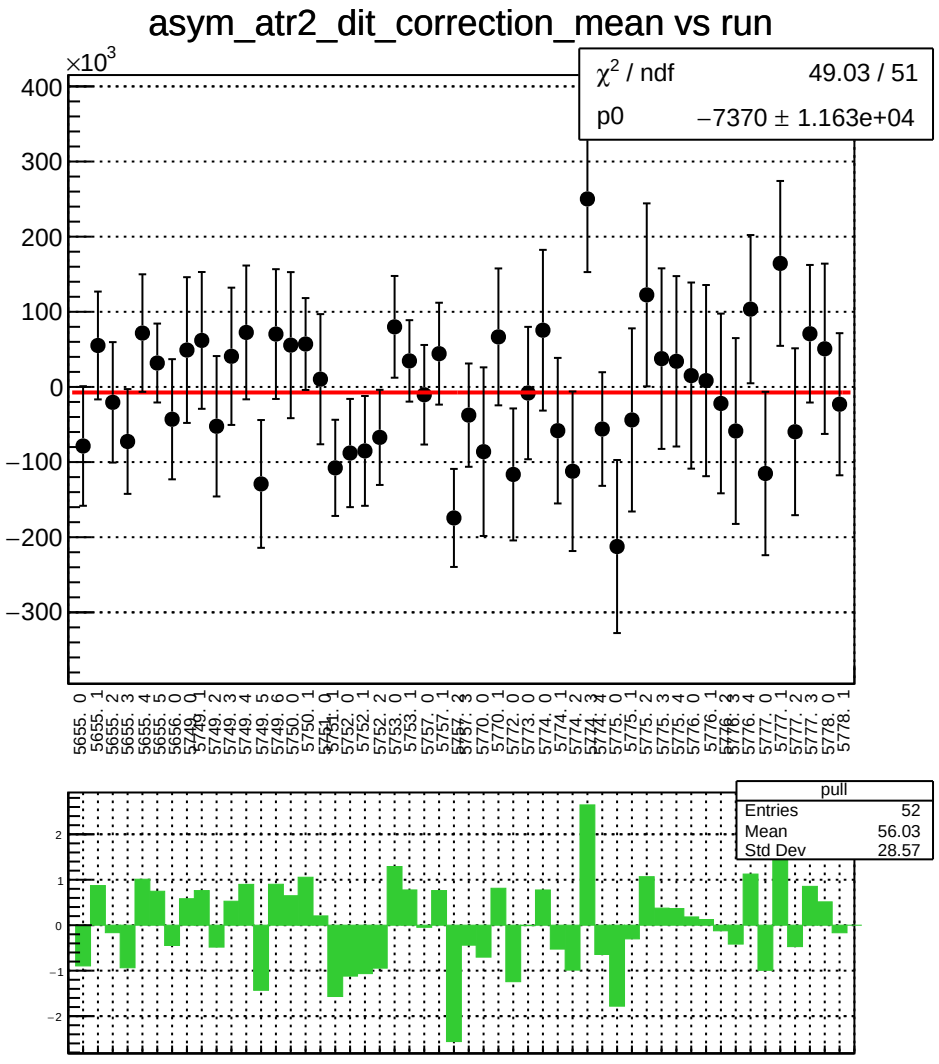
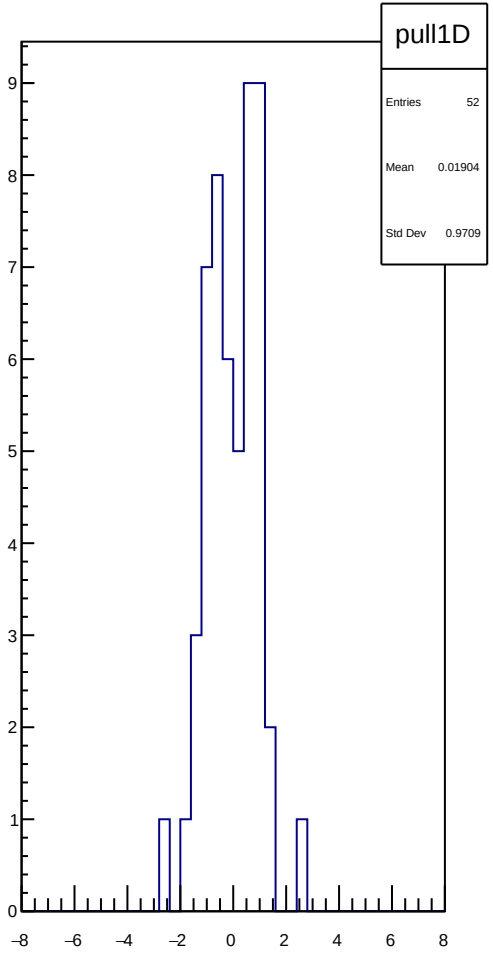
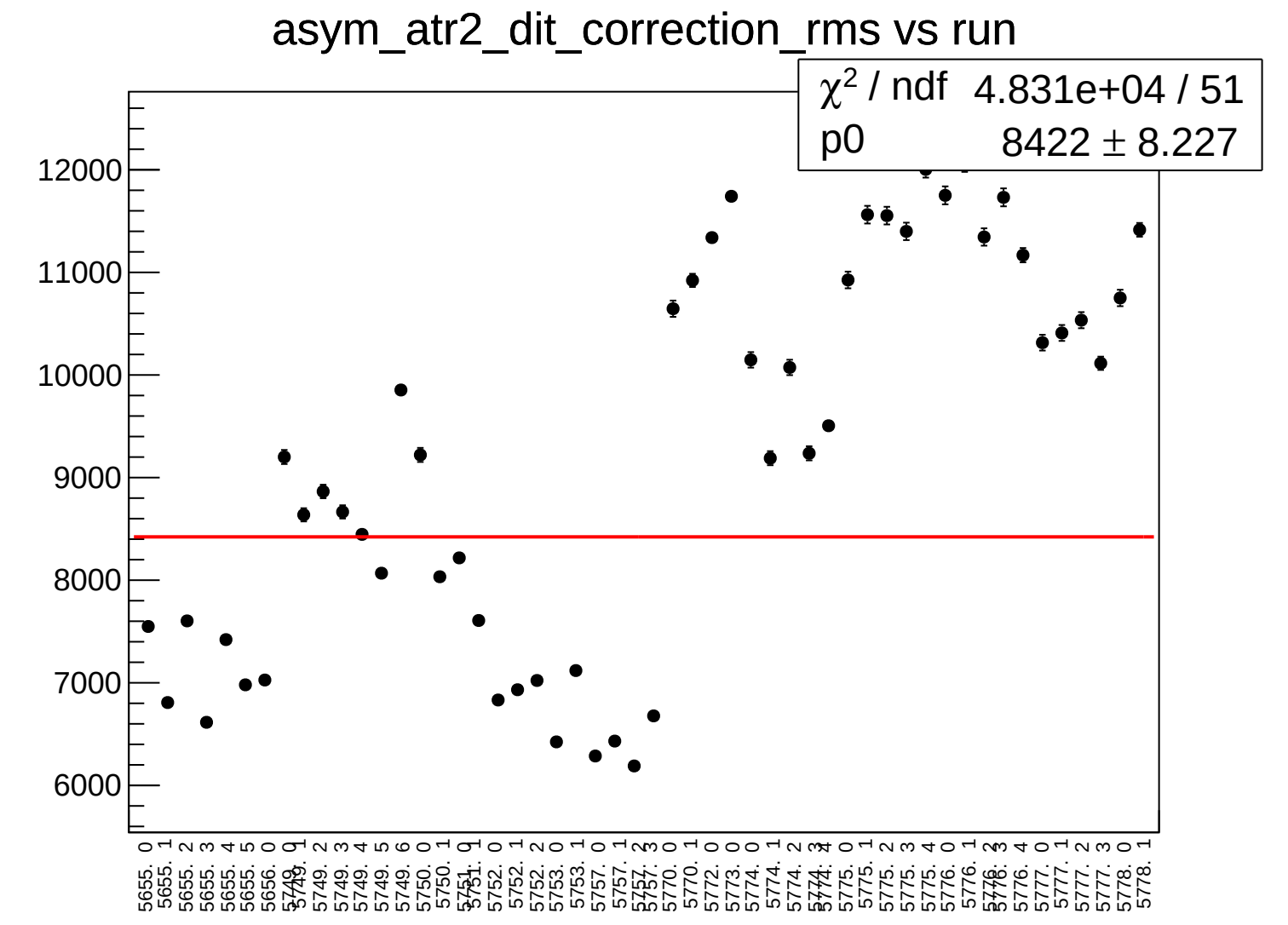
5778. 0
5778. 1


asym_atr2_dit_correction_mean vs run
×10^3
χ² / ndf 49.03 / 51
p0 −7370 ± 1.163e+04
pull
Entries 52
Mean 56.03
Std Dev 28.57


pull1D
Entries 52
Mean 0.01904
Std Dev 0.9709


asym_atr2_dit_correction_rms vs run
χ² / ndf 4.831e+04 / 51
p0 8422 ± 8.227
12000
11000
10000
9000
8000
7000
6000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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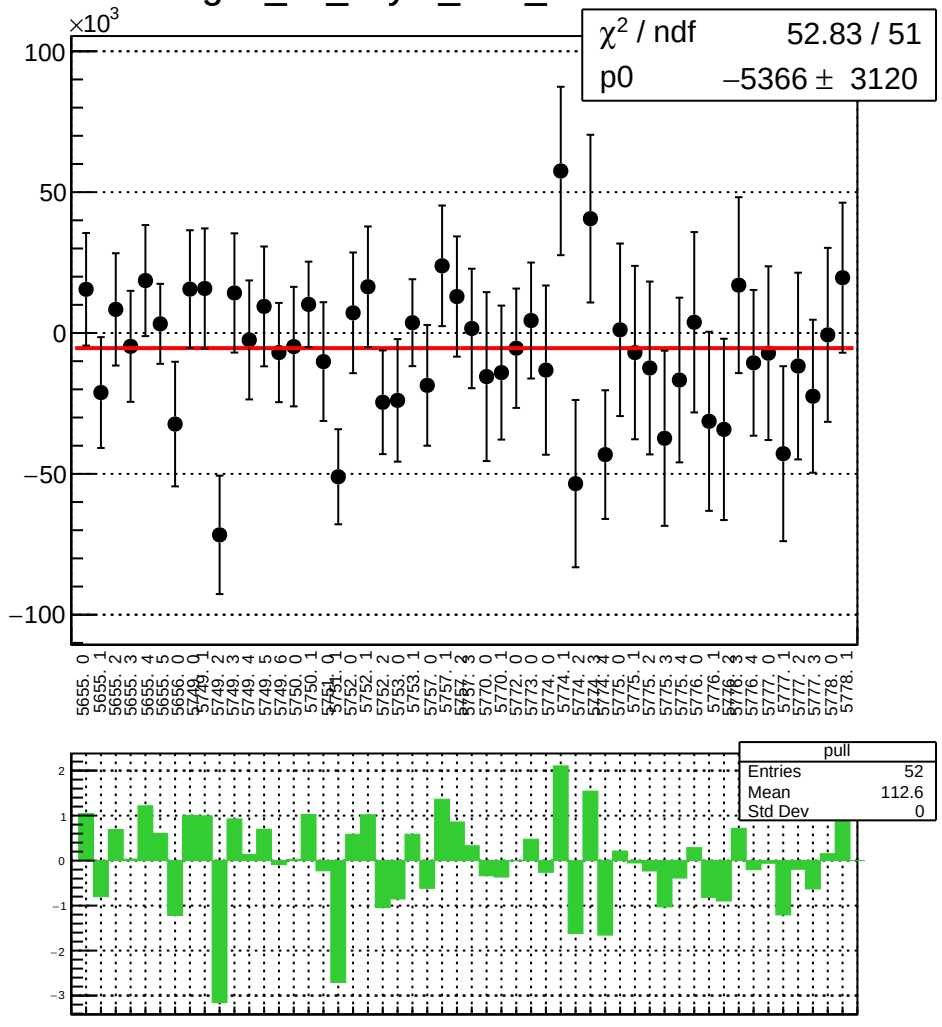
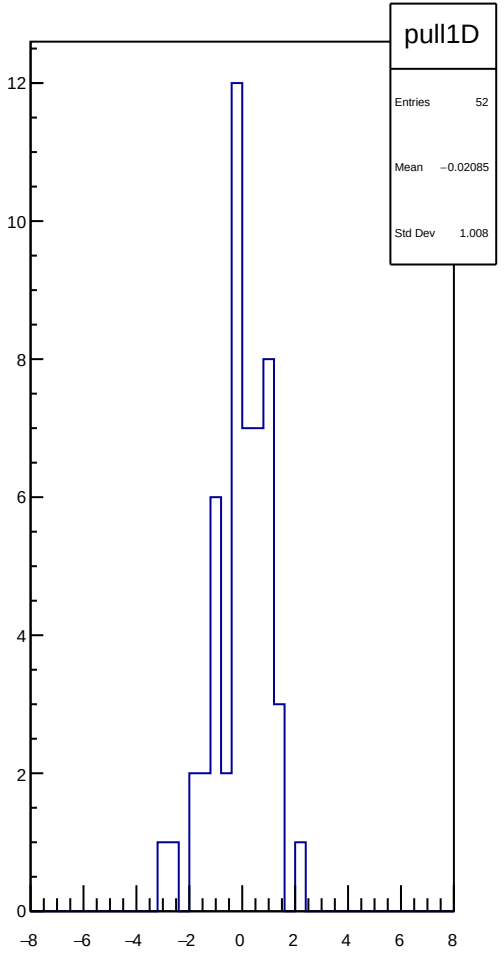
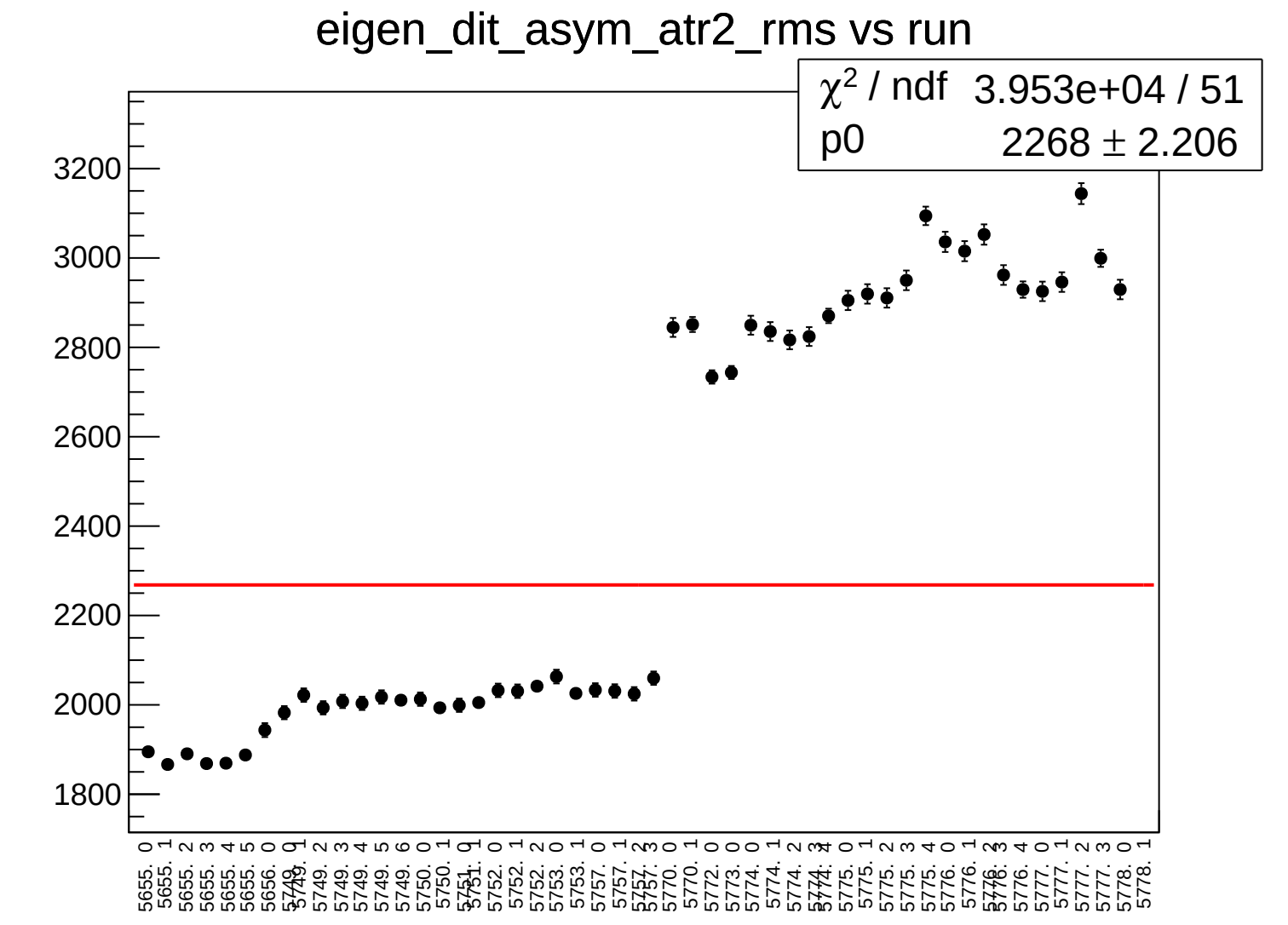

eigen_dit_asym_atr2_mean vs run
×10^3
χ² / ndf 52.83 / 51
p0 −5366 ± 3120
100
50
0
−50
−100
pull
Entries 52
Mean 112.6
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.02085
Std Dev 1.008
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atr2_rms vs run
χ² / ndf 3.953e+04 / 51
p0 2268 ± 2.206
3200
3000
2800
2600
2400
2200
2000
1800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
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5751. 0
5752. 0
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5773. 0
5774. 0
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5774. 2
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5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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5777. 2
5777. 3
5778. 0
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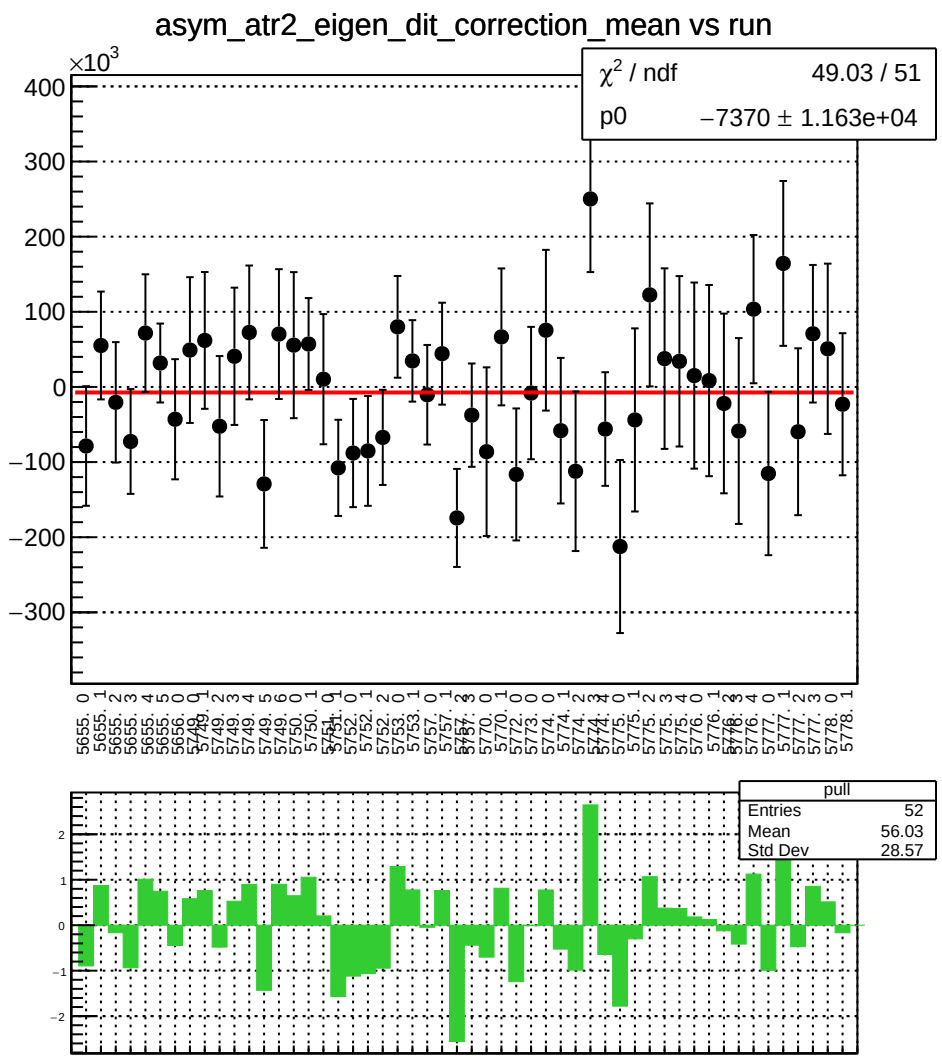
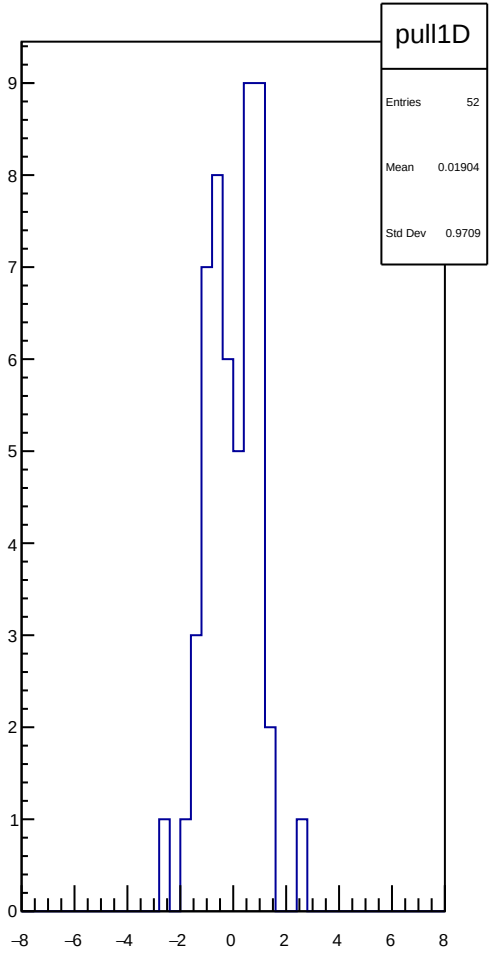
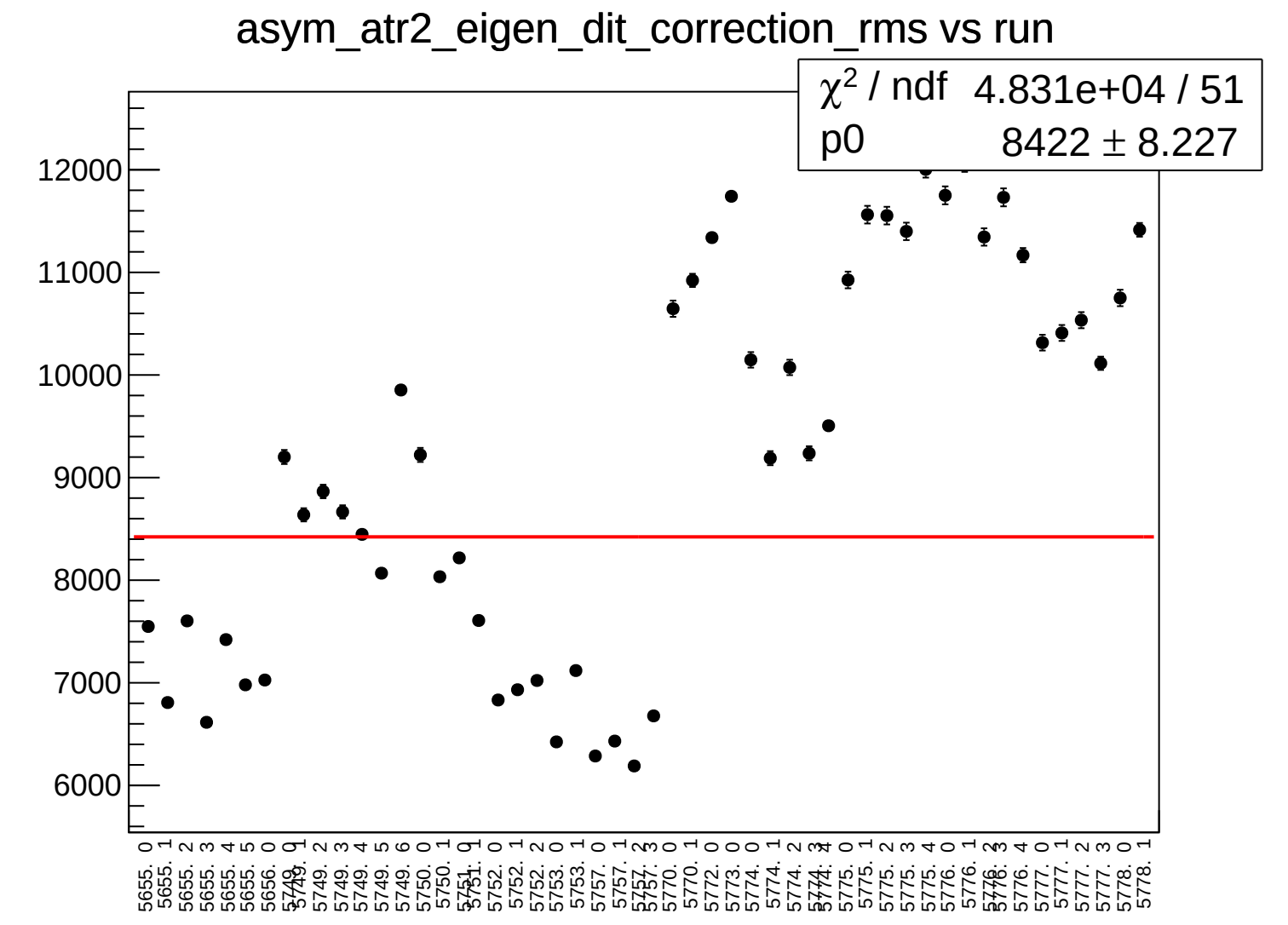

asym_atr2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 49.03 / 51
p0 −7370 ± 1.163e+04
pull
Entries 52
Mean 56.03
Std Dev 28.57


pull1D
Entries 52
Mean 0.01904
Std Dev 0.9709


asym_atr2_eigen_dit_correction_rms vs run
χ² / ndf 4.831e+04 / 51
p0 8422 ± 8.227
12000
11000
10000
9000
8000
7000
6000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
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5749. 2
5749. 3
5749. 4
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5749. 6
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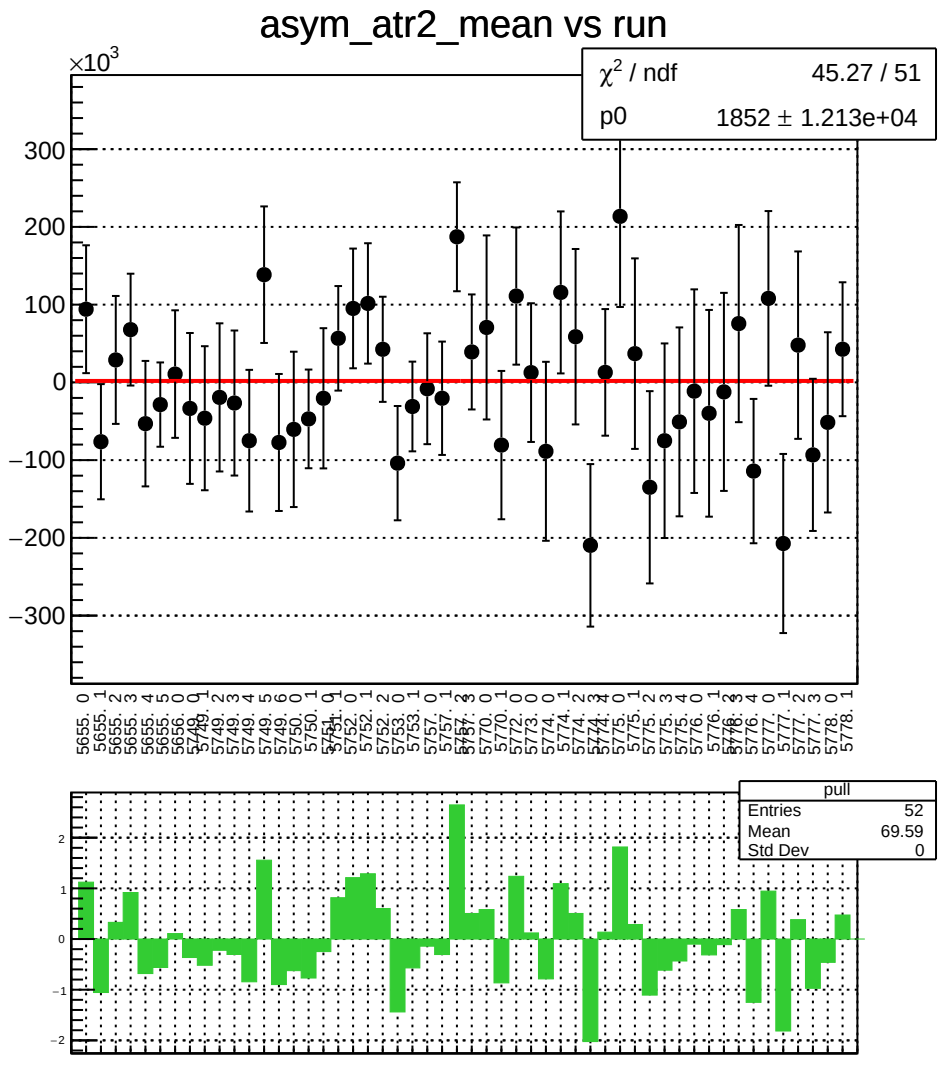
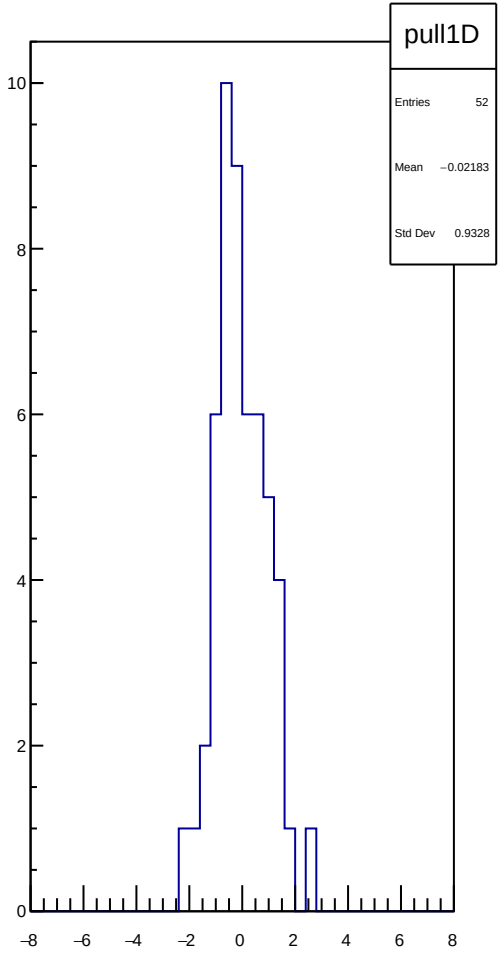
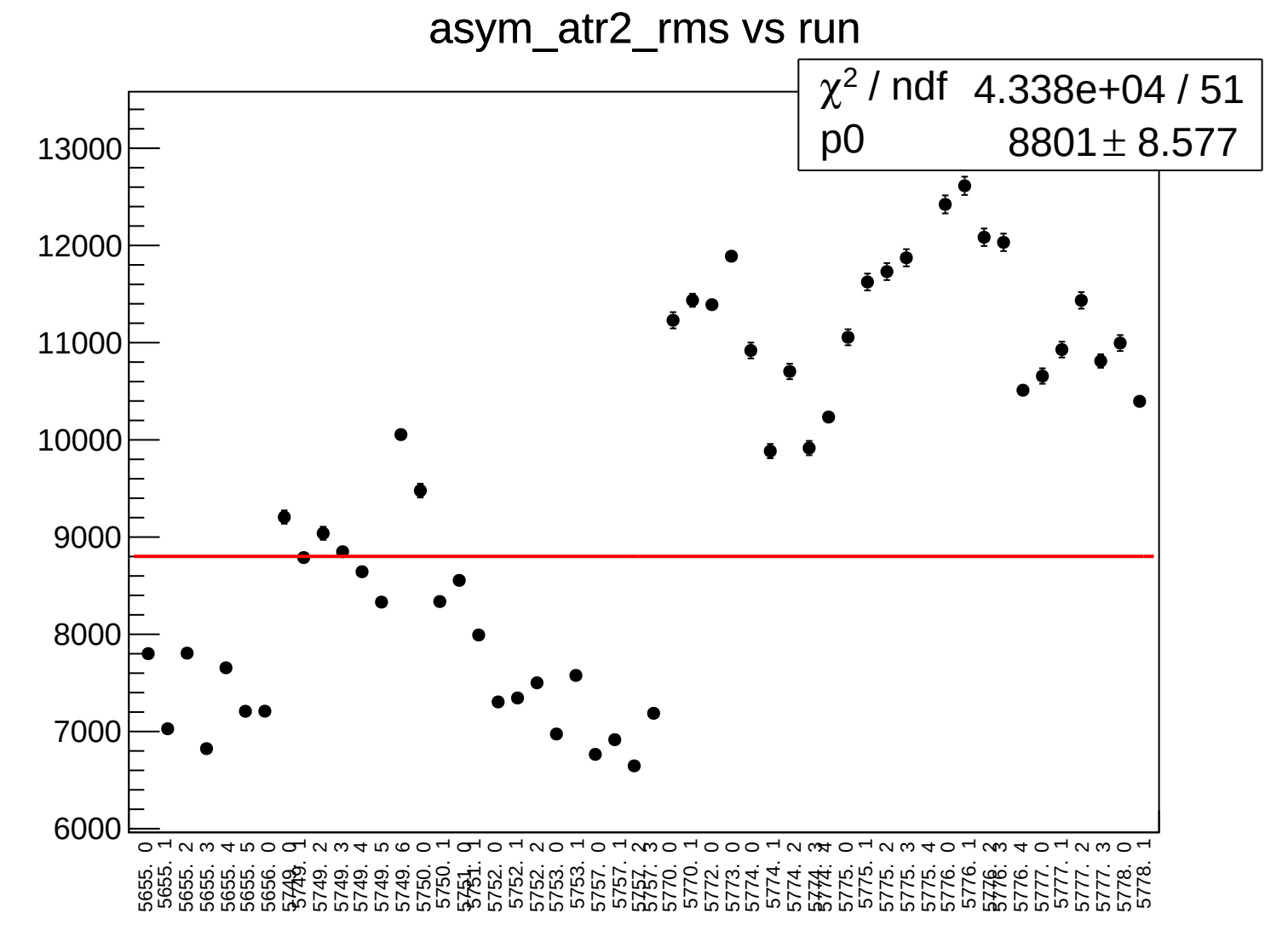
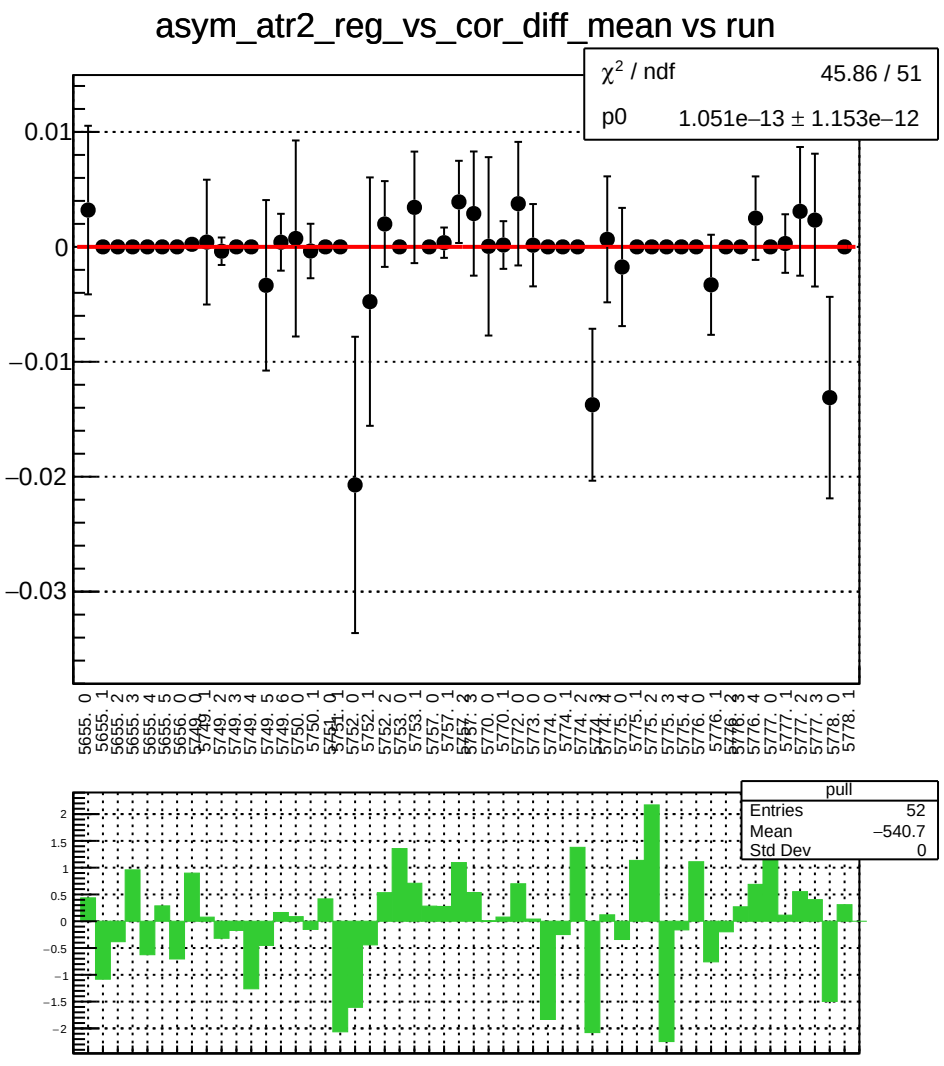
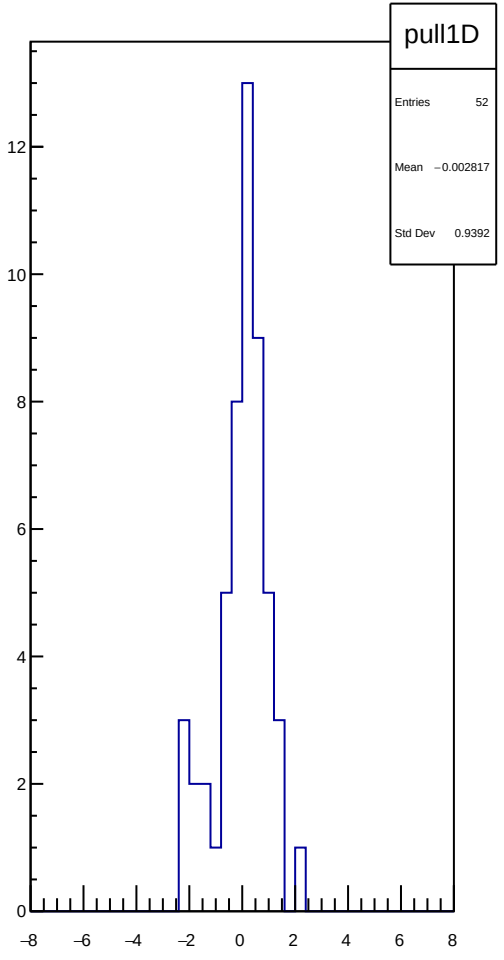
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

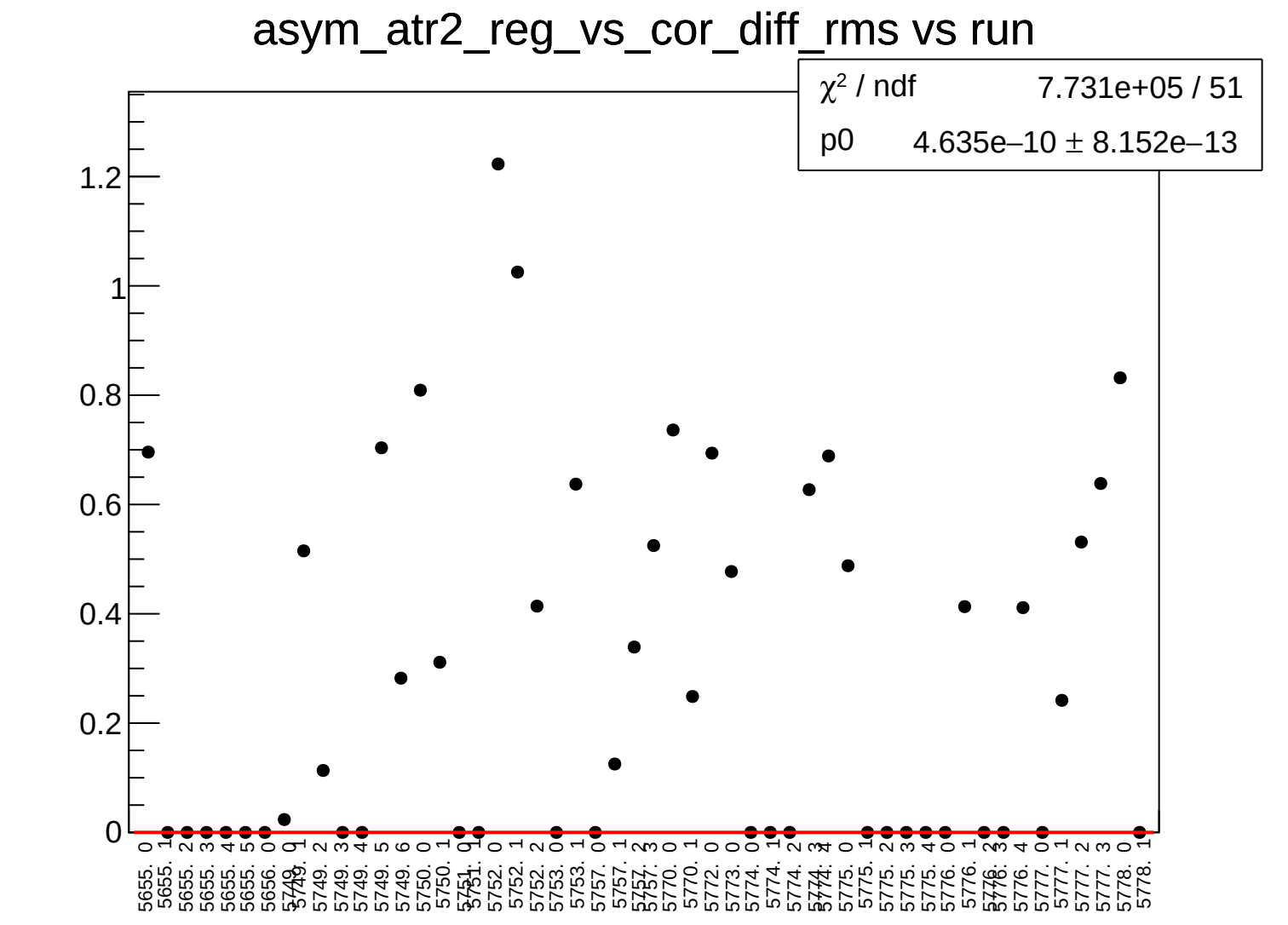

asym_atr2_mean vs run
×10^3
χ² / ndf 45.27 / 51
p0 1852 ± 1.213e+04
300
200
100
0
−100
−200
−300
pull
Entries 52
Mean 69.59
Std Dev 0
2
1
0
−1
−2

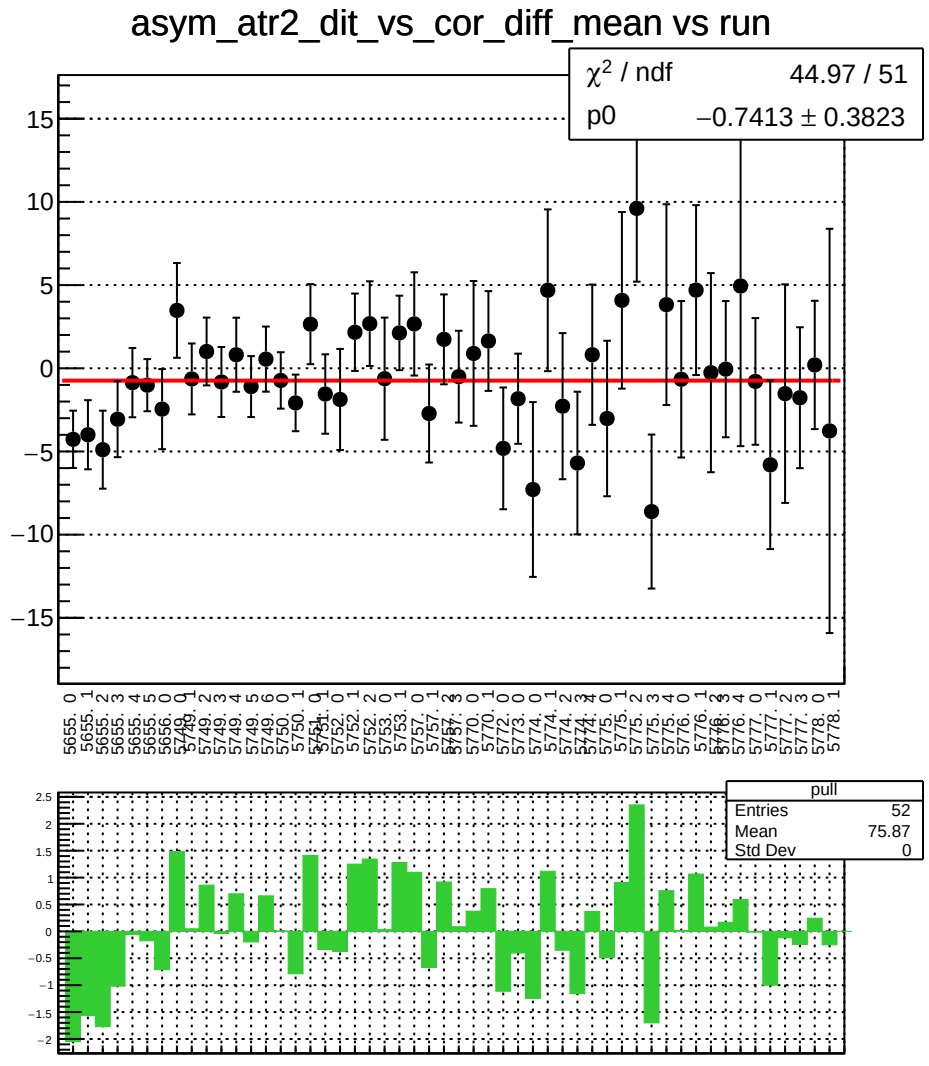

pull1D
Entries 52
Mean −0.02183
Std Dev 0.9328
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

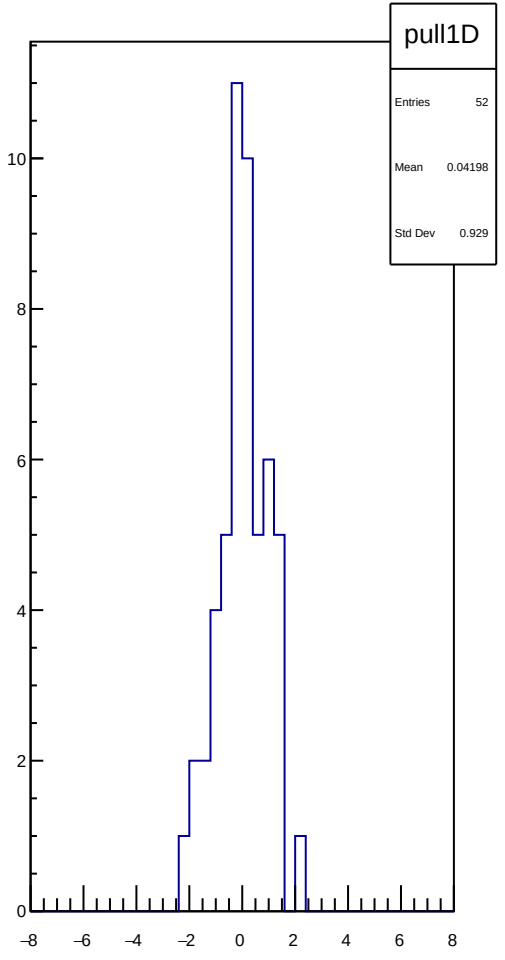

asym_atr2_rms vs run
χ² / ndf 4.338e+04 / 51
p0 8801 ± 8.577
13000
12000
11000
10000
9000
8000
7000
6000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

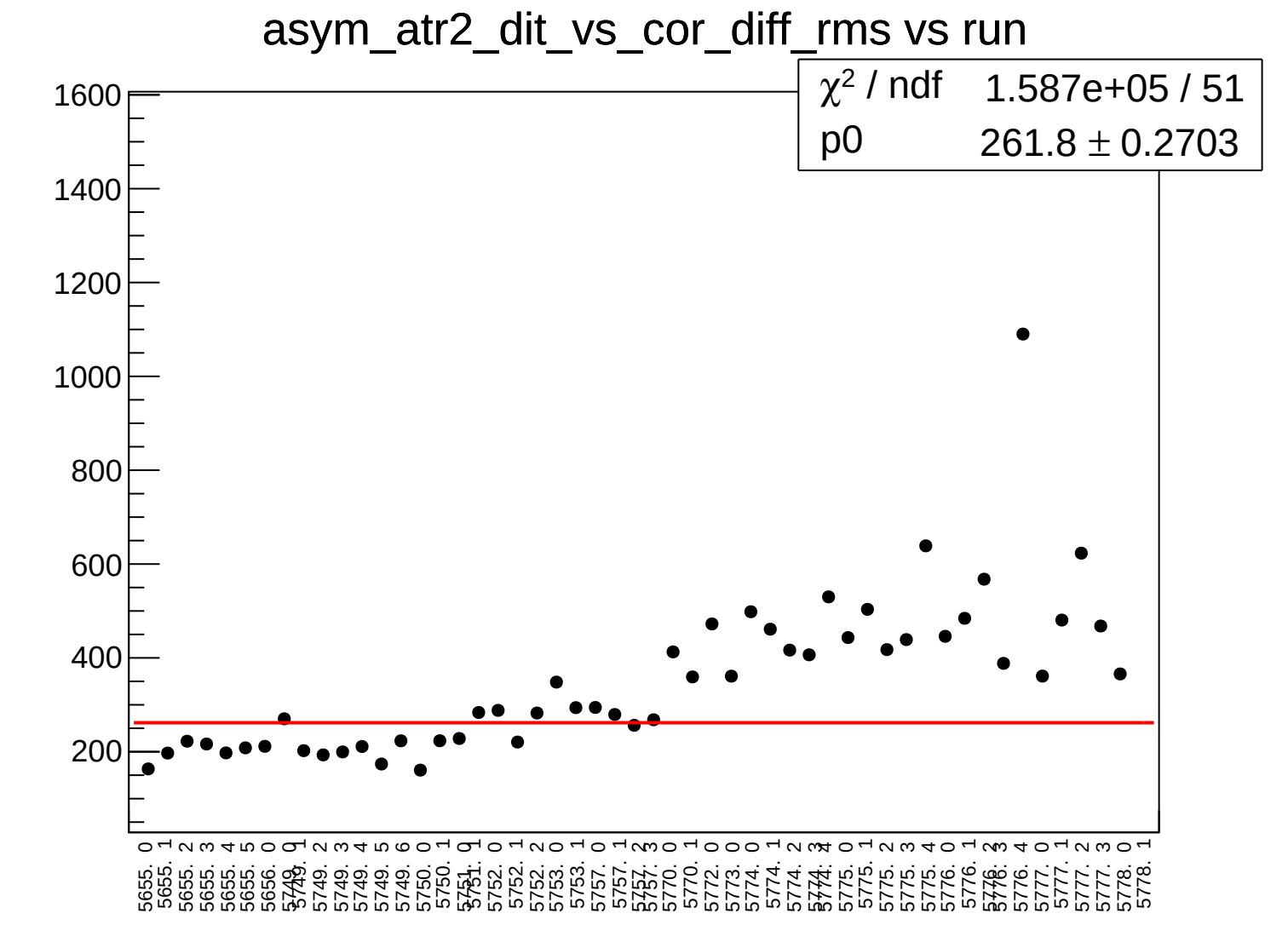

asym_atr2_reg_vs_cor_diff_mean vs run
χ² / ndf 45.86 / 51
p0 1.051e−13 ± 1.153e−12
0.01
0
−0.01
−0.02
−0.03
pull
Entries 52
Mean −540.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

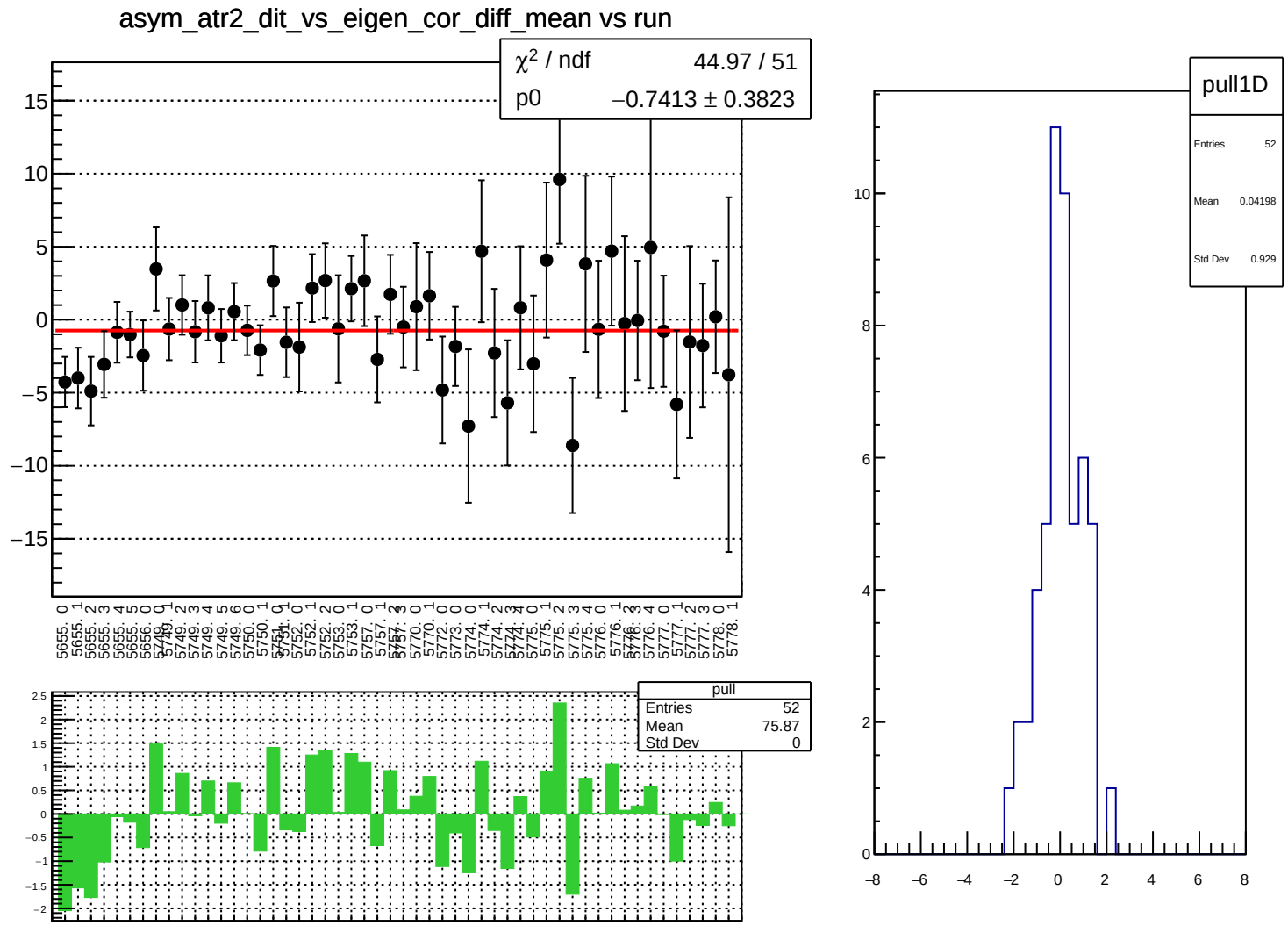

pull1D
Entries 52
Mean −0.002817
Std Dev 0.9392
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

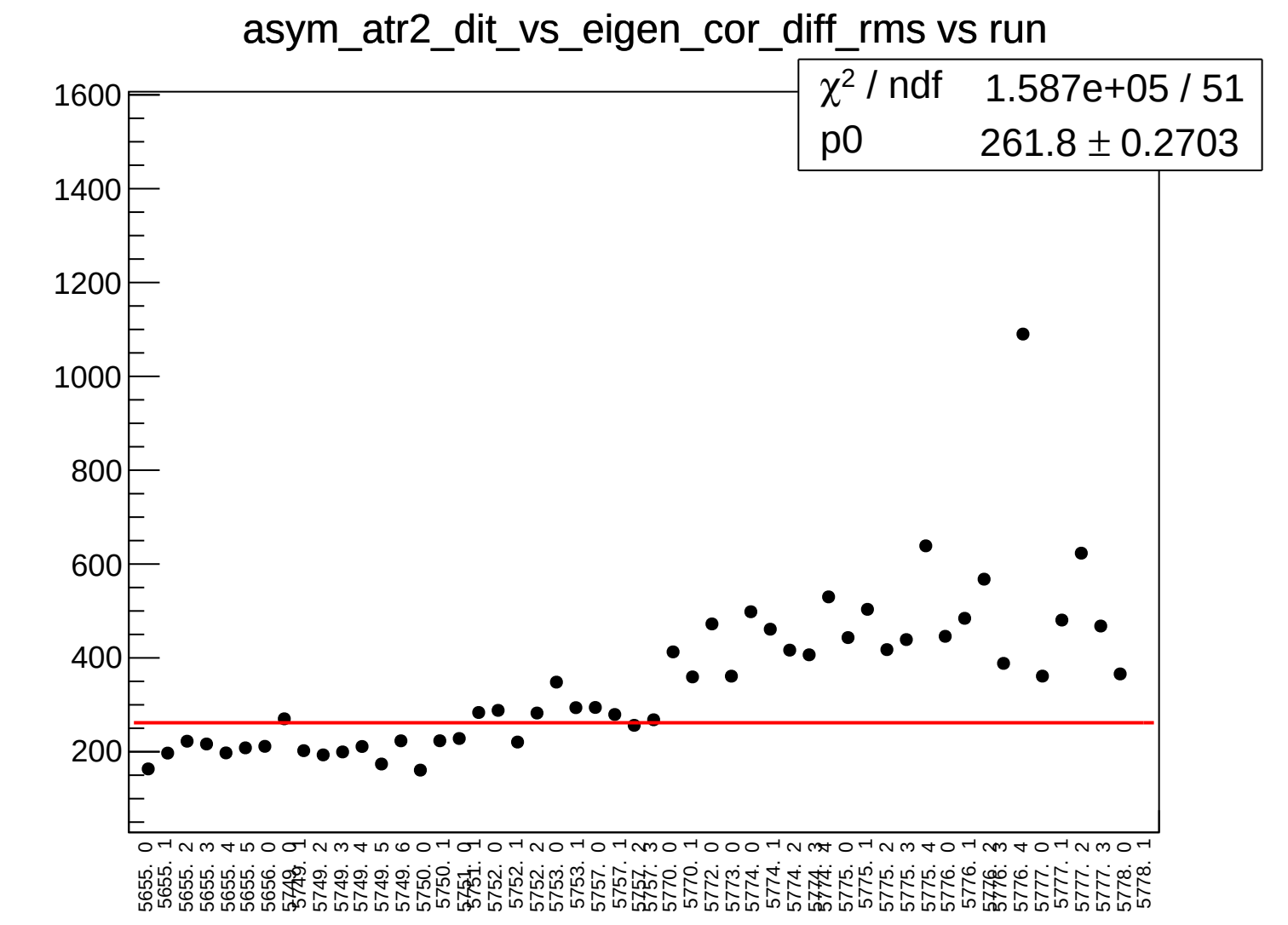

asym_atr2_reg_vs_cor_diff_rms vs run
χ² / ndf 7.731e+05 / 51
p0 4.635e−10 ± 8.152e−13
1.2
1
0.8
0.6
0.4
0.2
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

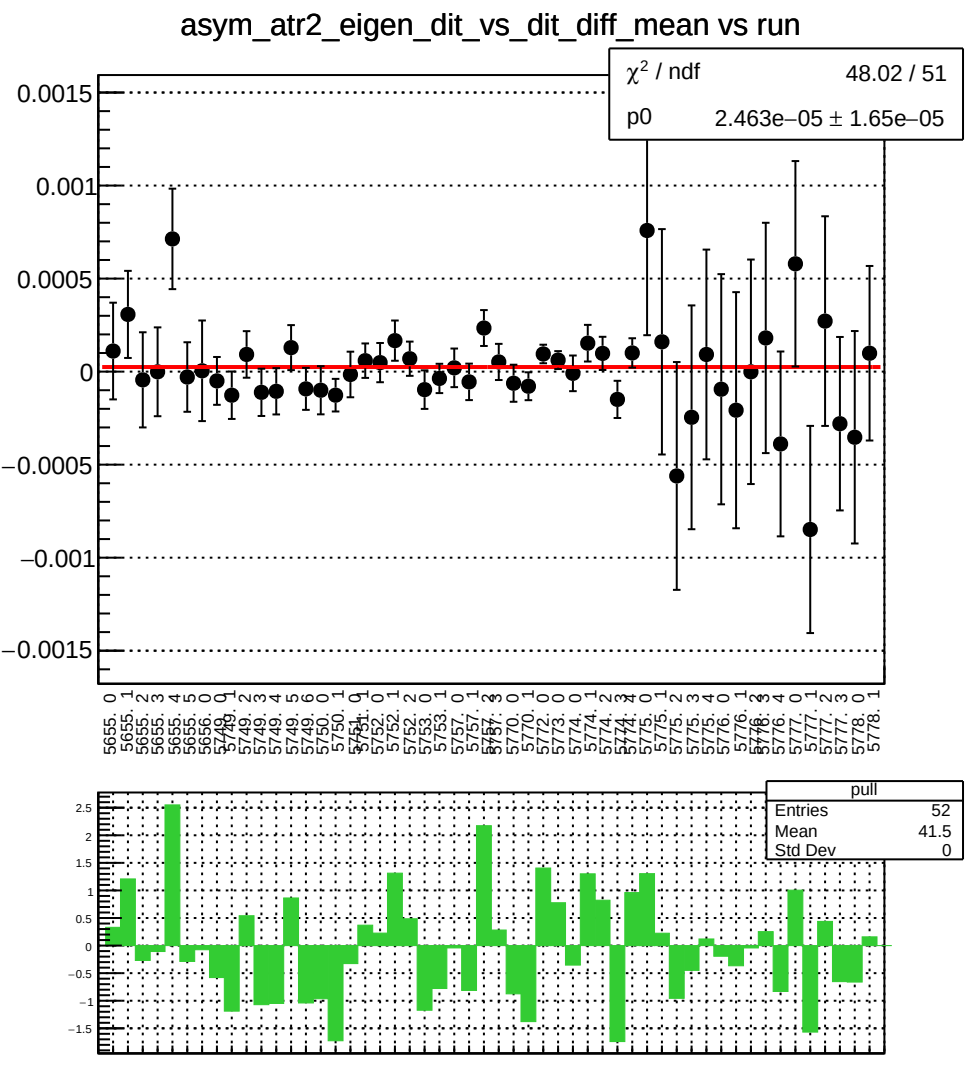

asym_atr2_dit_vs_cor_diff_mean vs run
χ² / ndf 44.97 / 51
p0 −0.7413 ± 0.3823
pull
Entries 52
Mean 75.87
Std Dev 0

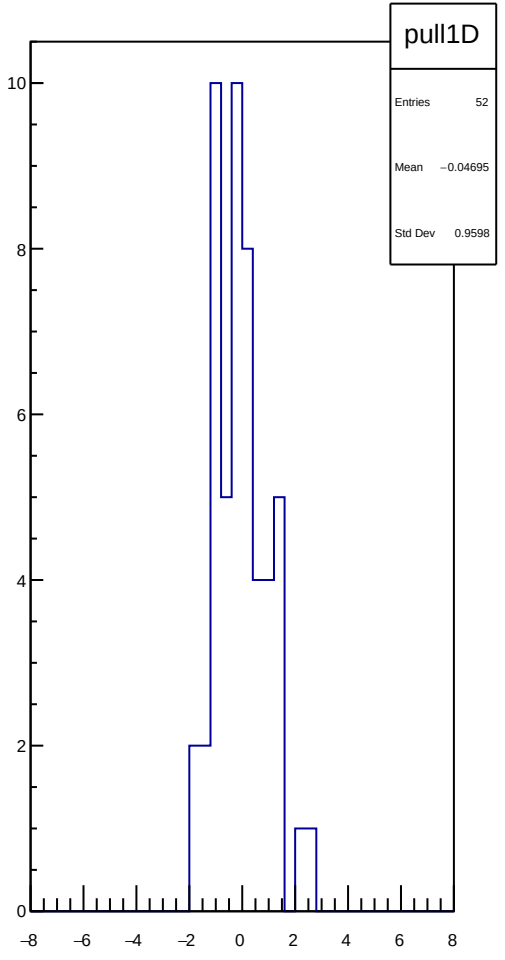

pull1D
Entries 52
Mean 0.04198
Std Dev 0.929

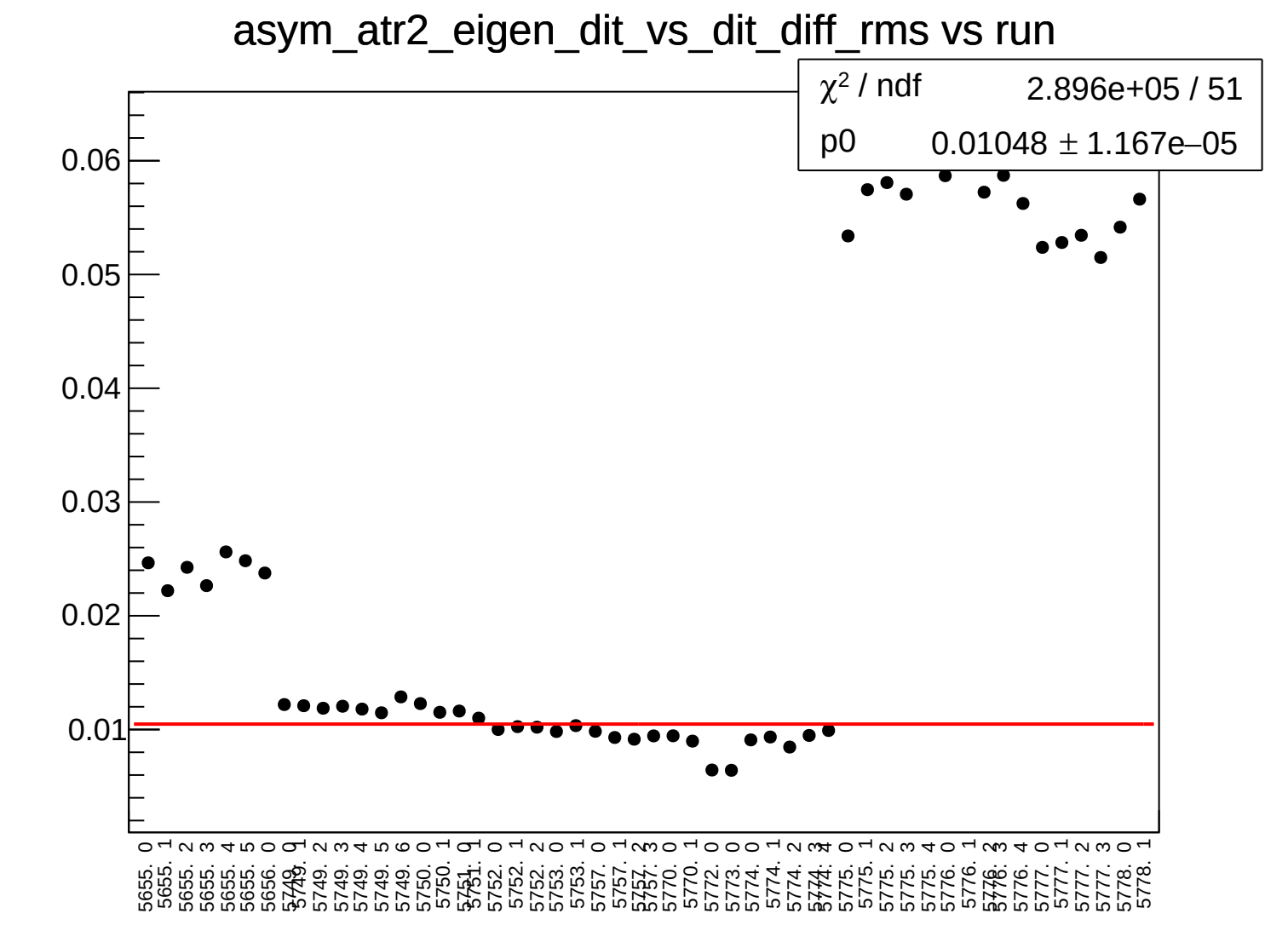

asym_atr2_dit_vs_cor_diff_rms vs run
χ² / ndf 1.587e+05 / 51
p0 261.8 ± 0.2703
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

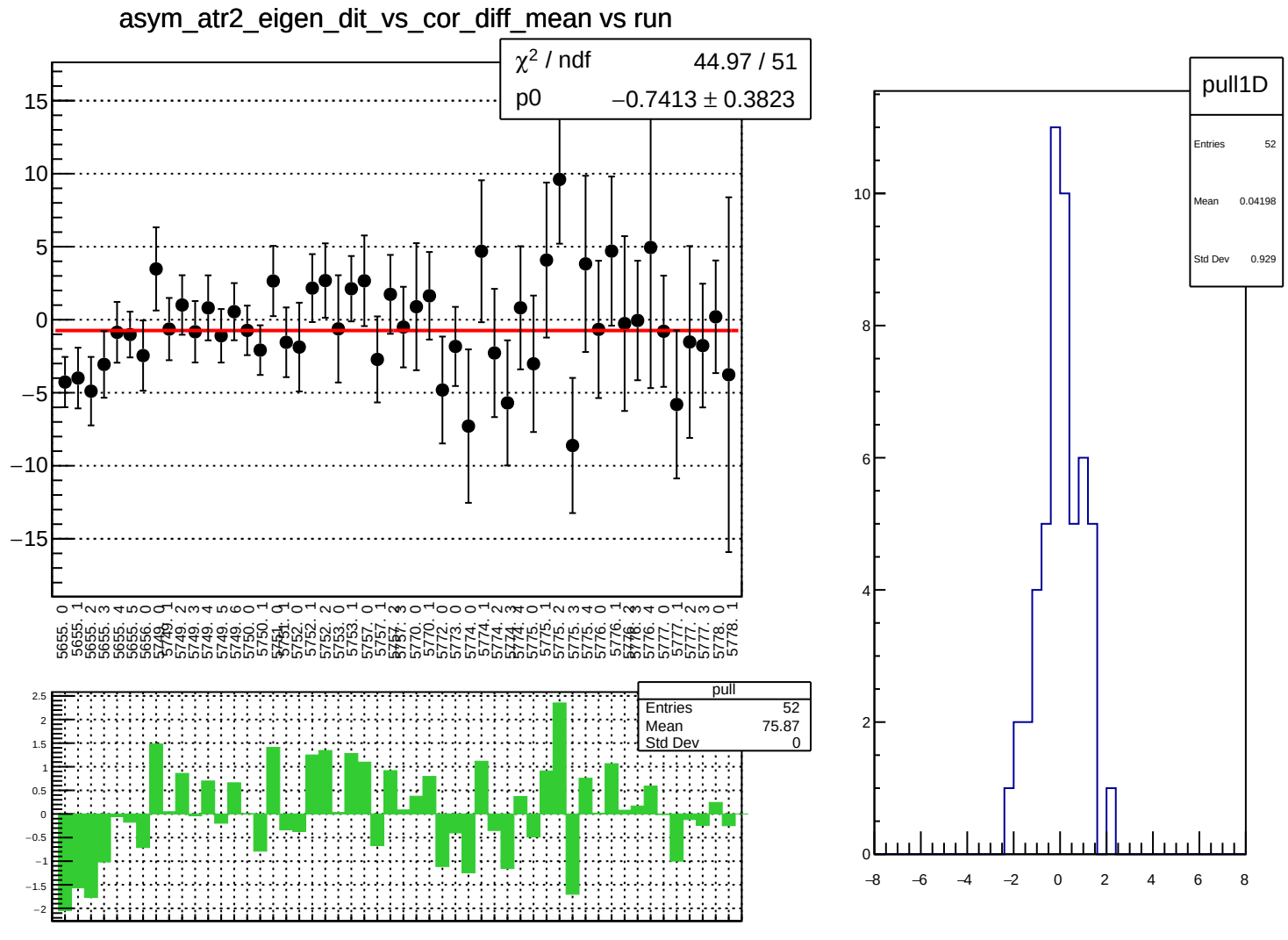

asym_atr2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.97 / 51
p0 −0.7413 ± 0.3823
pull
Entries 52
Mean 75.87
Std Dev 0
pull1D
Entries 52
Mean 0.04198
Std Dev 0.929

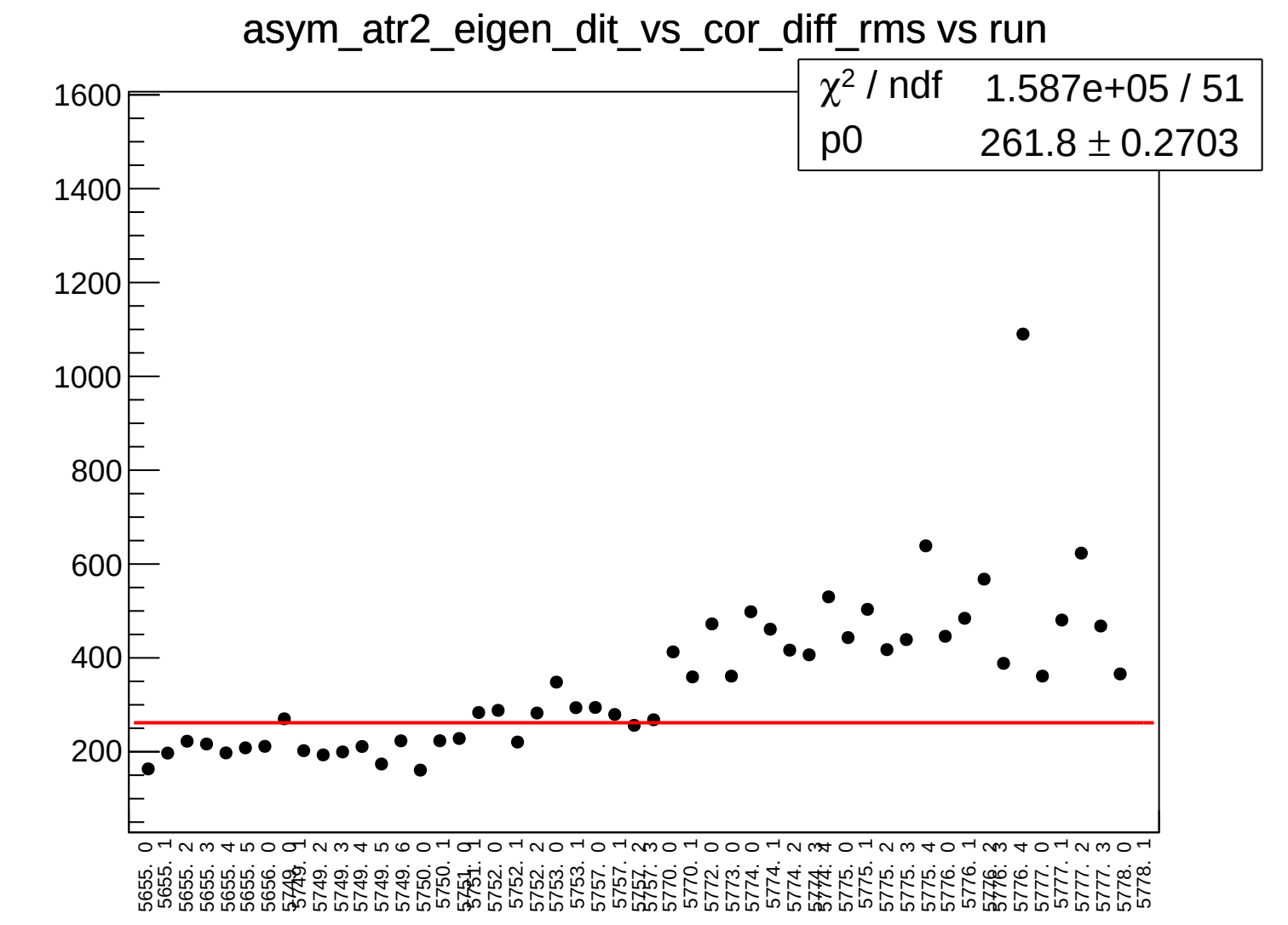

asym_atr2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.587e+05 / 51
p0 261.8 ± 0.2703
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

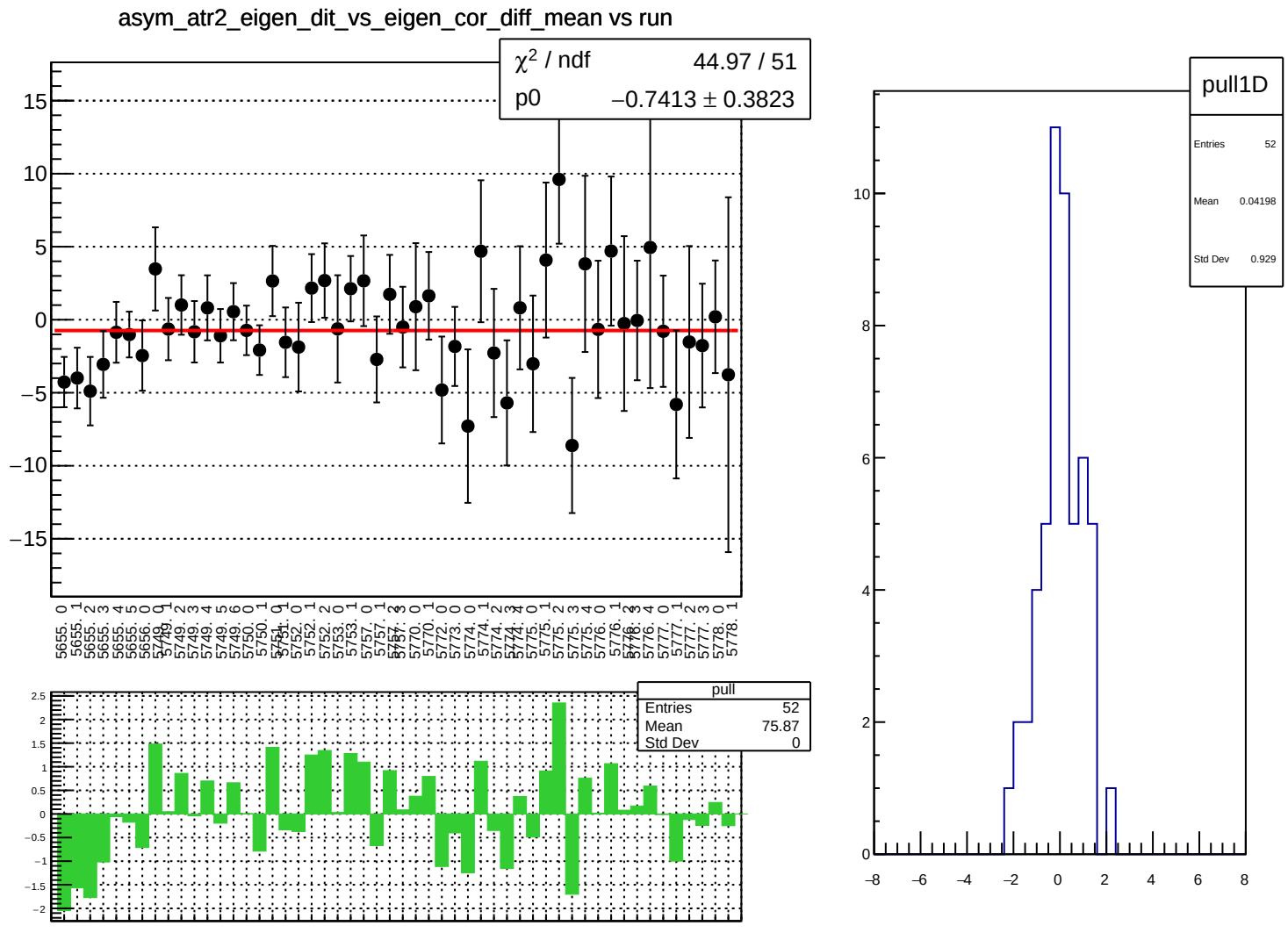

asym_atr2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 48.02 / 51
p0 2.463e−05 ± 1.65e−05
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 52
Mean 41.5
Std Dev 0

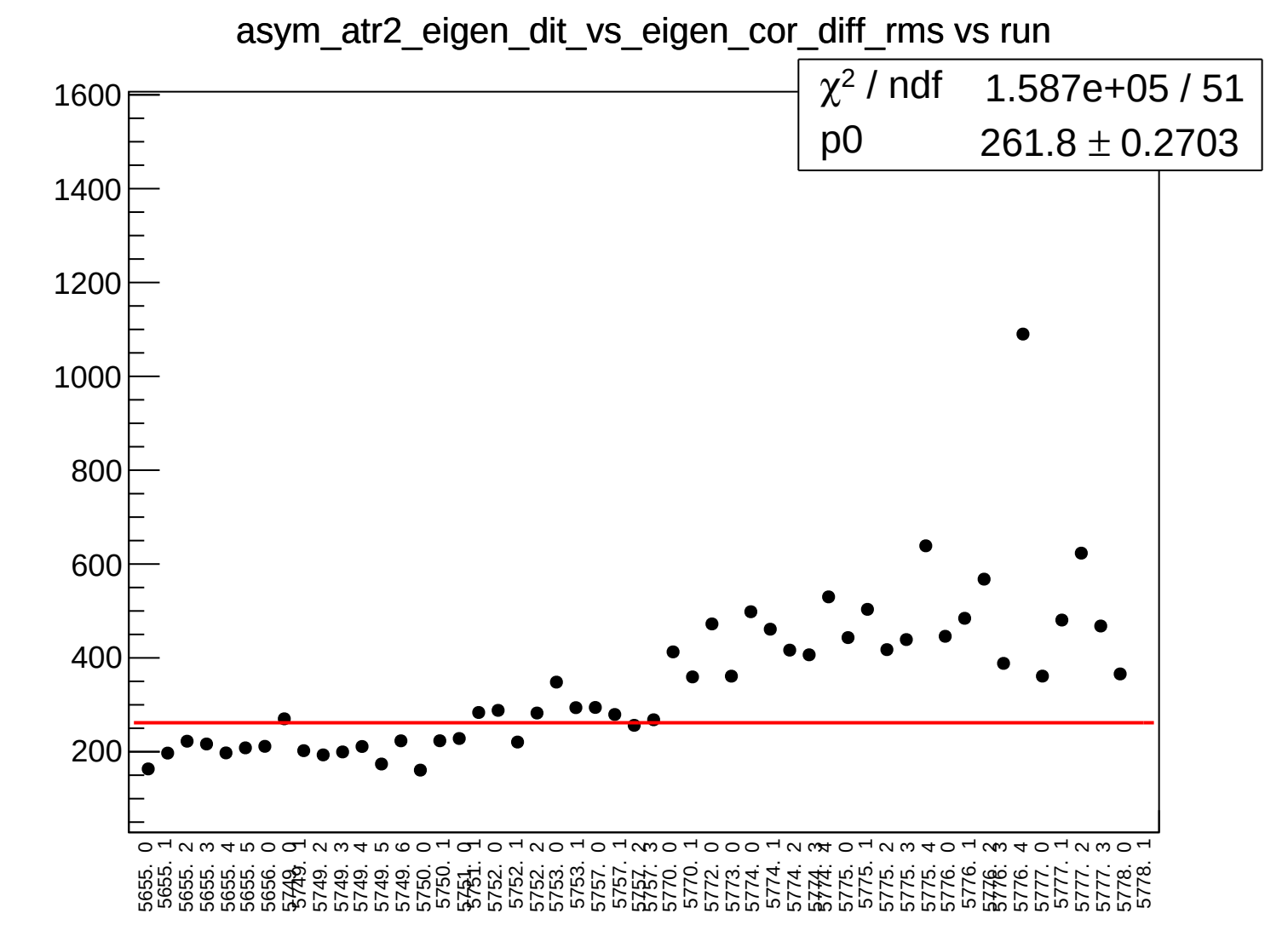

pull1D
Entries 52
Mean −0.04695
Std Dev 0.9598
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.896e+05 / 51
p0 0.01048 ± 1.167e−05
0.06
0.05
0.04
0.03
0.02
0.01
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atr2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 44.97 / 51
p0 −0.7413 ± 0.3823
pull
Entries 52
Mean 75.87
Std Dev 0
pull1D
Entries 52
Mean 0.04198
Std Dev 0.929


asym_atr2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.587e+05 / 51
p0 261.8 ± 0.2703
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.97 / 51
p0 −0.7413 ± 0.3823
pull
Entries 52
Mean 75.87
Std Dev 0
pull1D
Entries 52
Mean 0.04198
Std Dev 0.929


asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.587e+05 / 51
p0 261.8 ± 0.2703
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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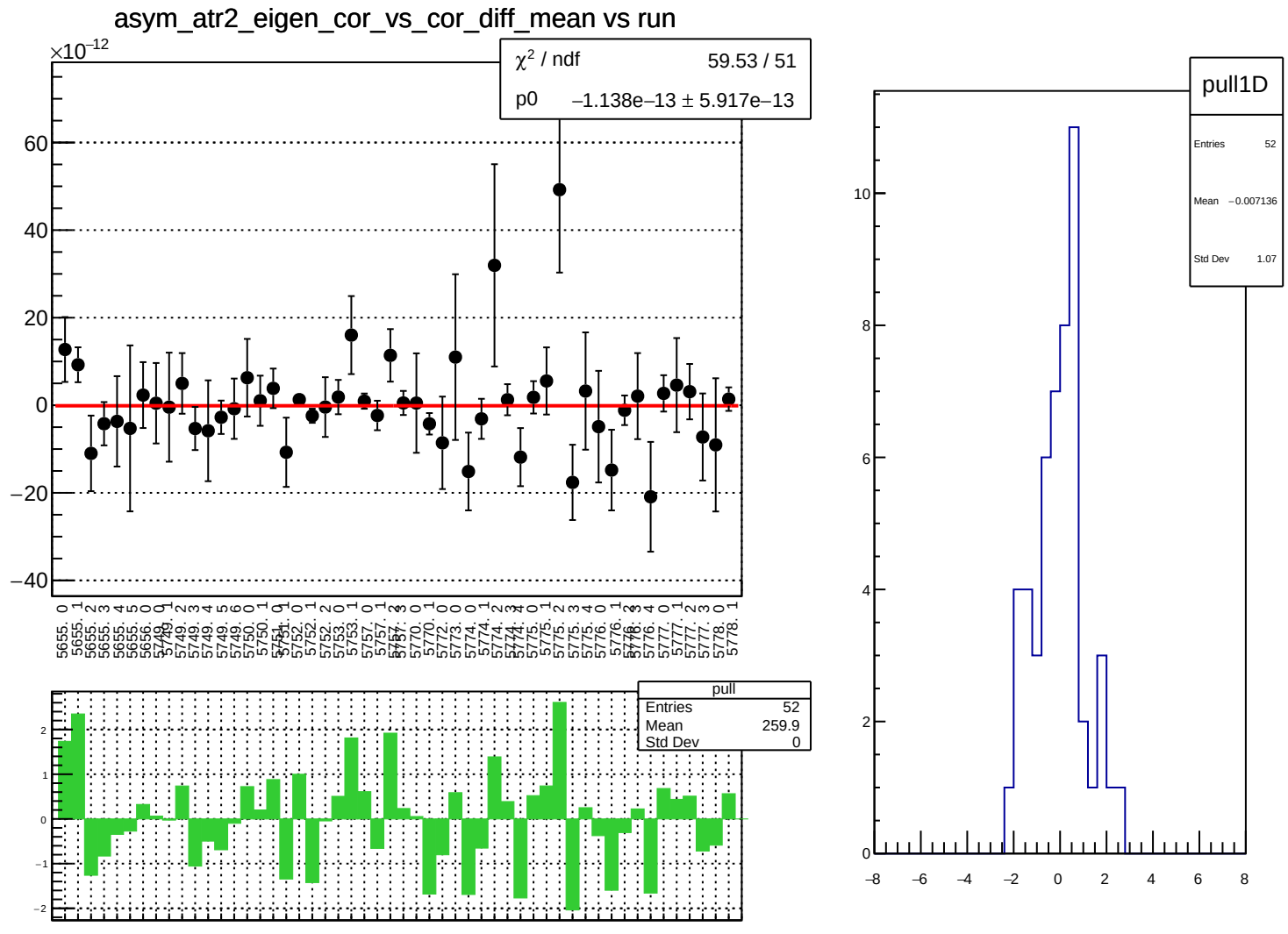
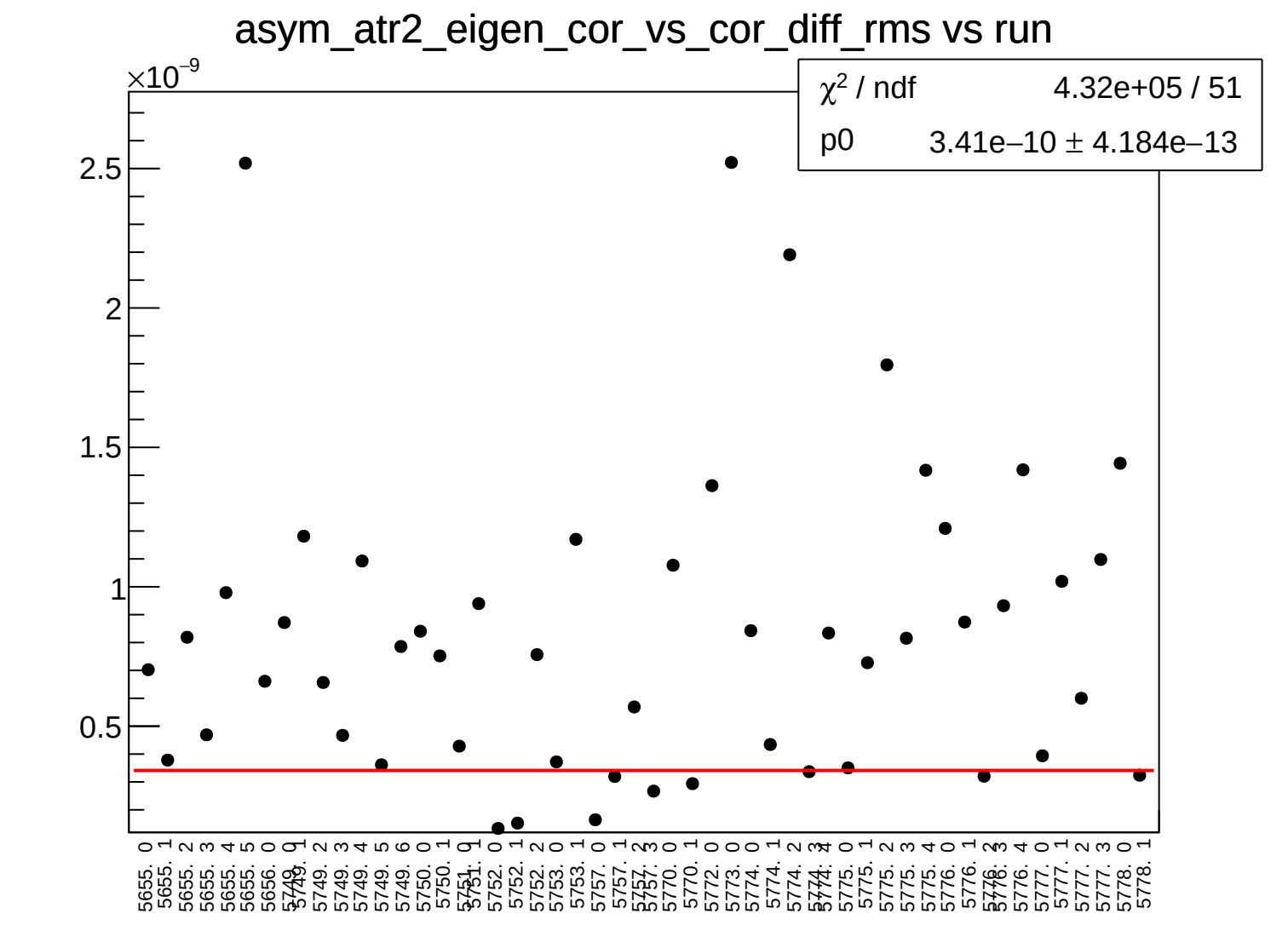
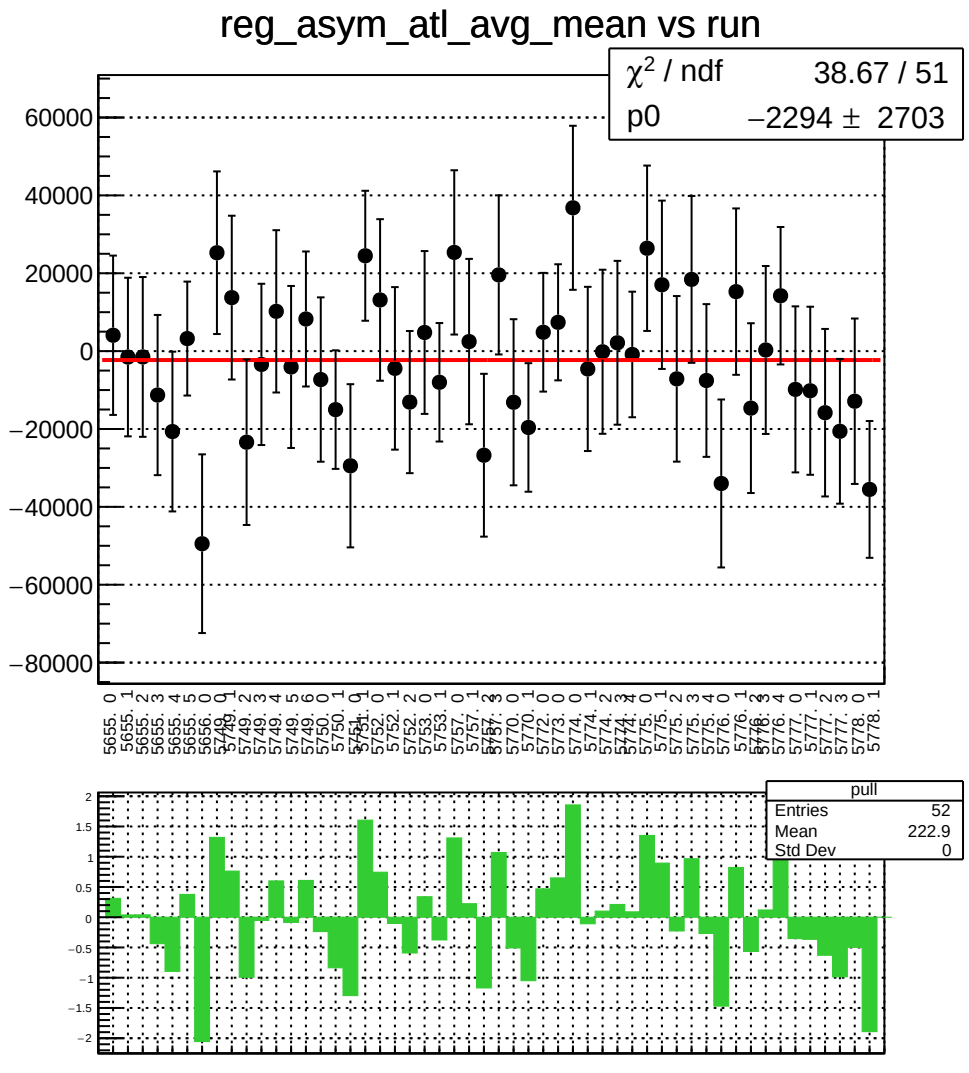
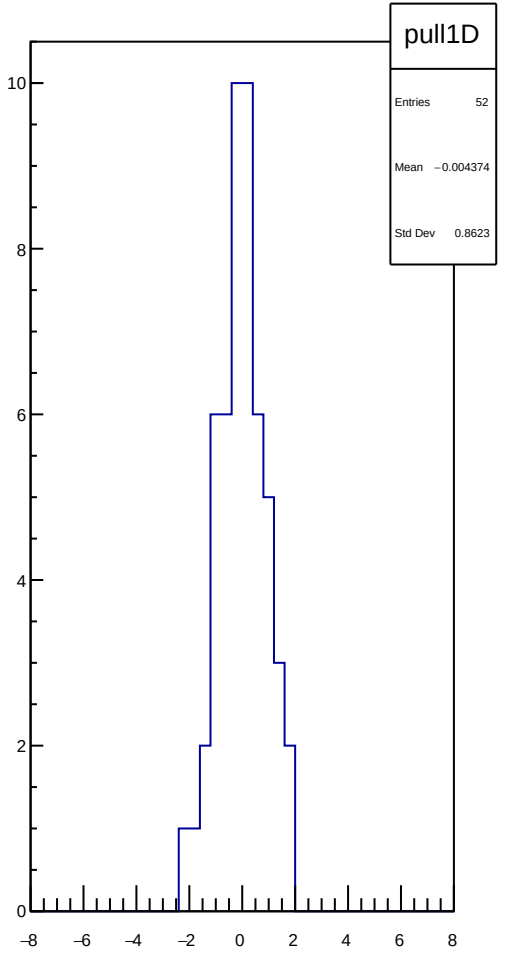
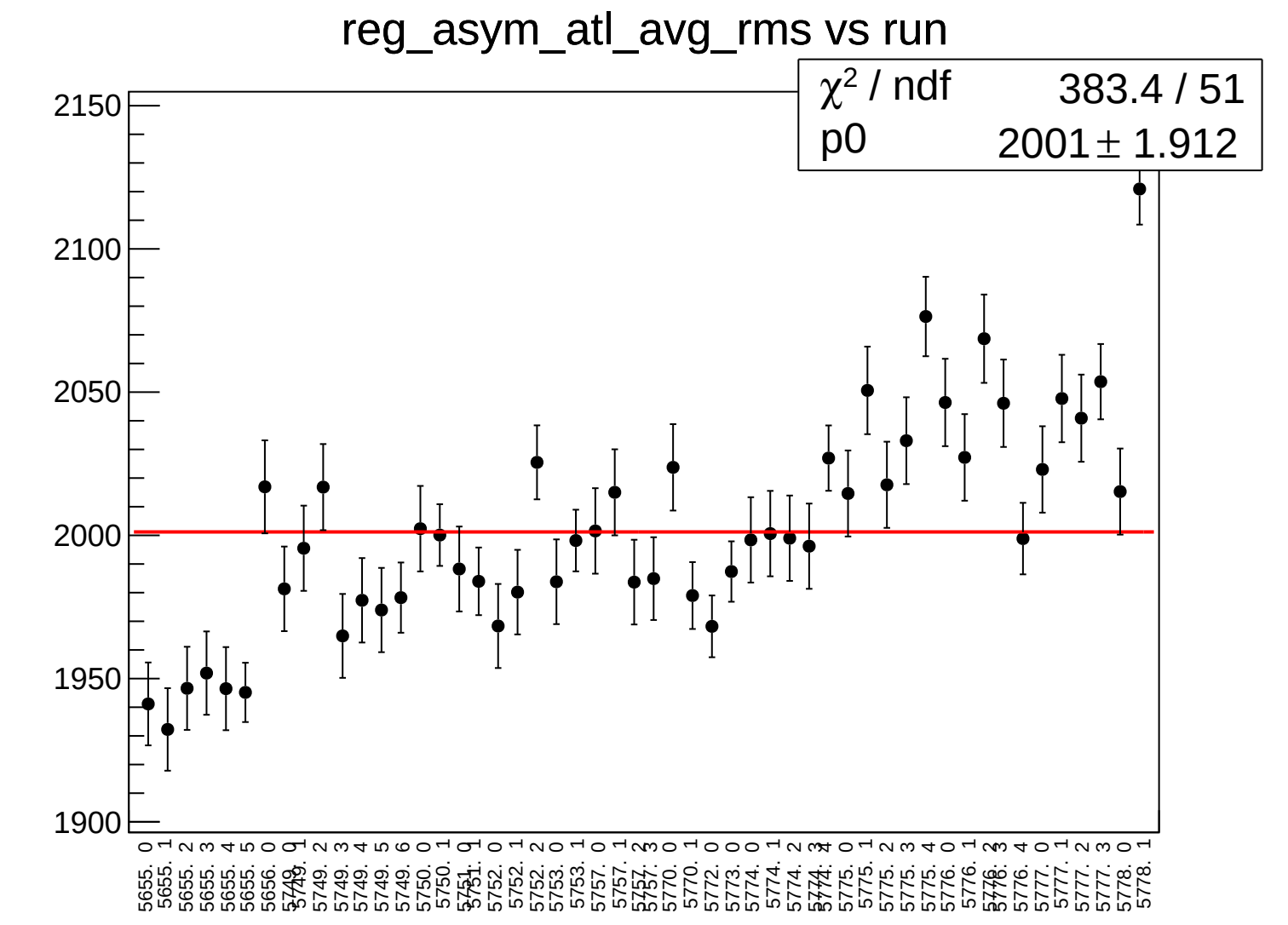
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

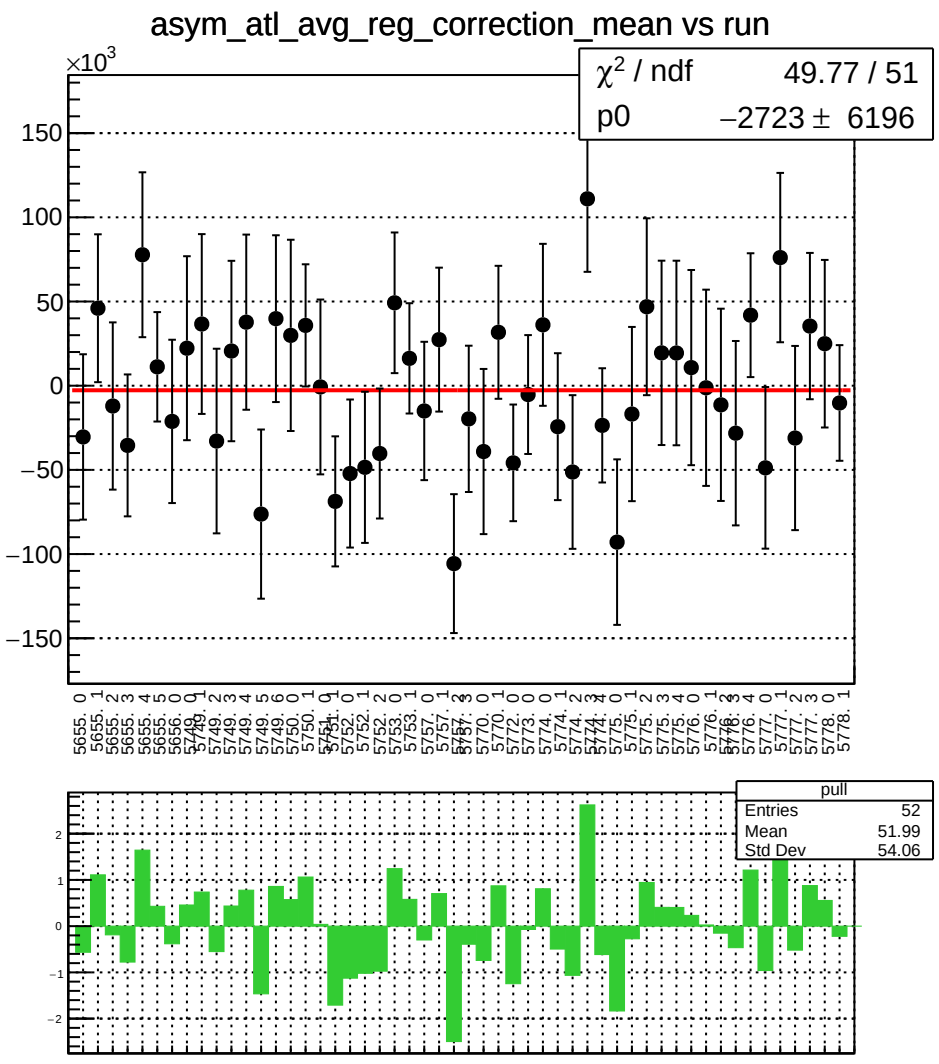

asym_atr2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.53 / 51
p0 −1.138e−13 ± 5.917e−13
60
40
20
0
−20
−40
pull
Entries 52
Mean 259.9
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 52
Mean −0.007136
Std Dev 1.07
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

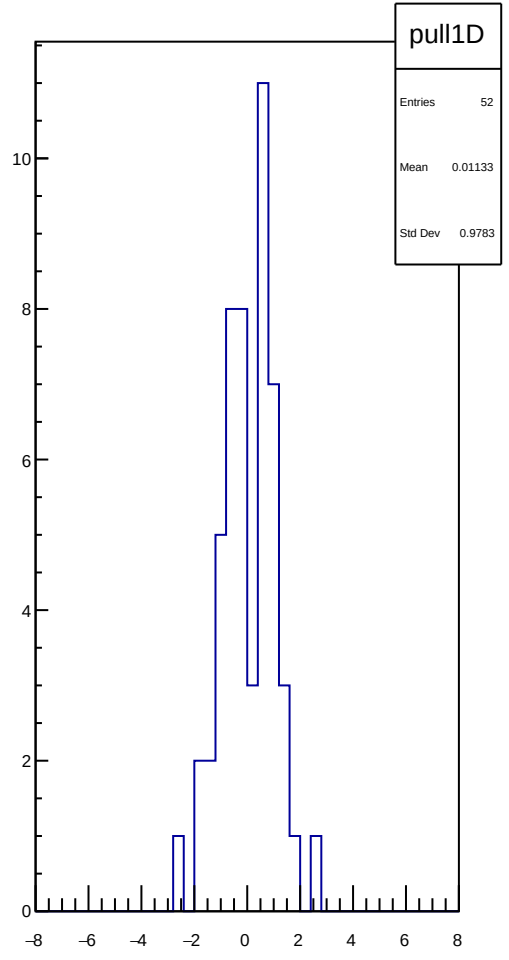

asym_atr2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.32e+05 / 51
p0 3.41e−10 ± 4.184e−13
2.5
2
1.5
1
0.5
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

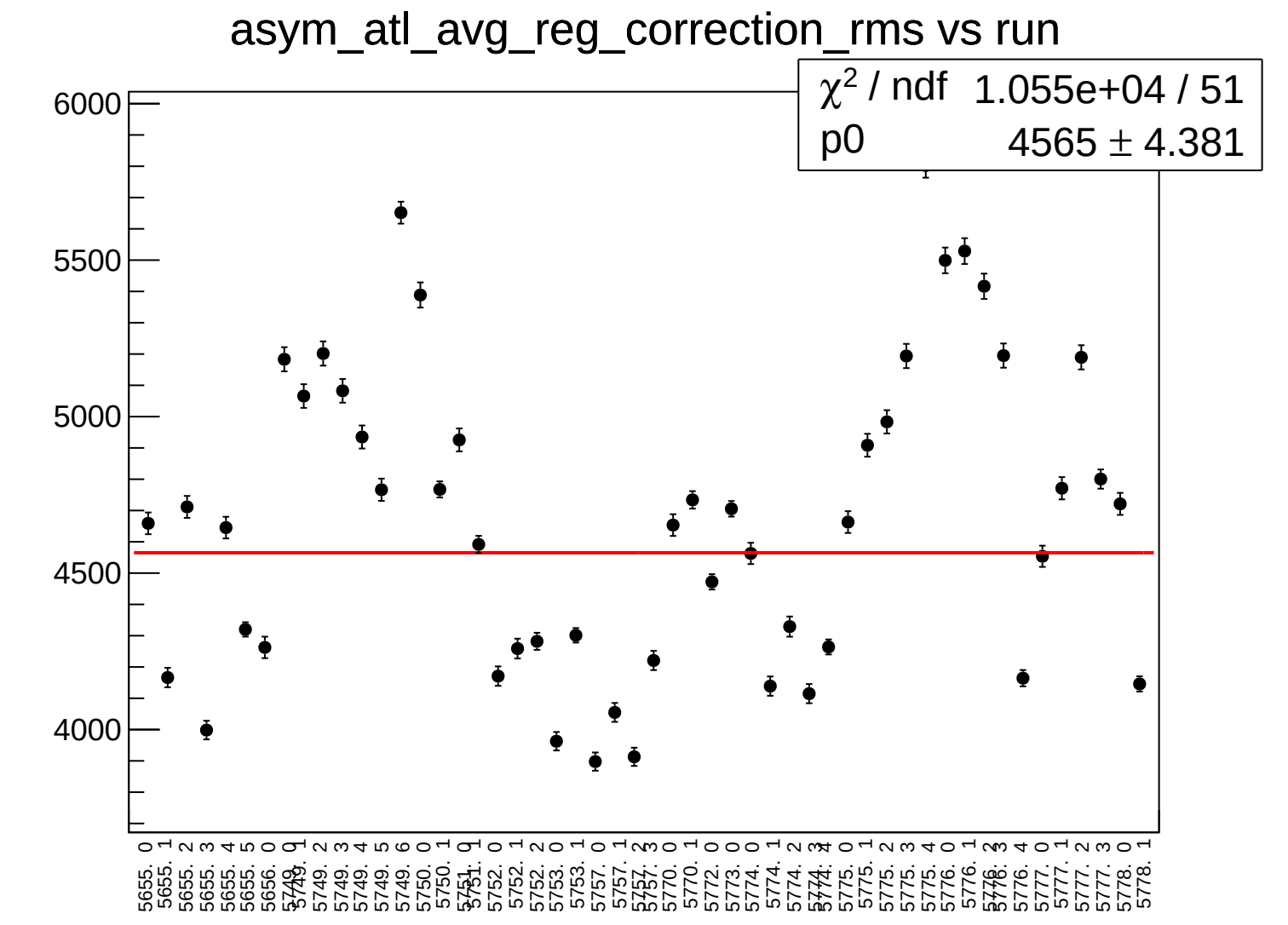

reg_asym_atl_avg_mean vs run
χ² / ndf 38.67 / 51
p0 −2294 ± 2703
pull
Entries 52
Mean 222.9
Std Dev 0


pull1D
Entries 52
Mean −0.004374
Std Dev 0.8623


reg_asym_atl_avg_rms vs run
χ² / ndf 383.4 / 51
p0 2001 ± 1.912
2150
2100
2050
2000
1950
1900
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl_avg_reg_correction_mean vs run
×10^3
χ² / ndf 49.77 / 51
p0 −2723 ± 6196
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean 51.99
Std Dev 54.06
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01133
Std Dev 0.9783
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_reg_correction_rms vs run
χ² / ndf 1.055e+04 / 51
p0 4565 ± 4.381
6000
5500
5000
4500
4000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
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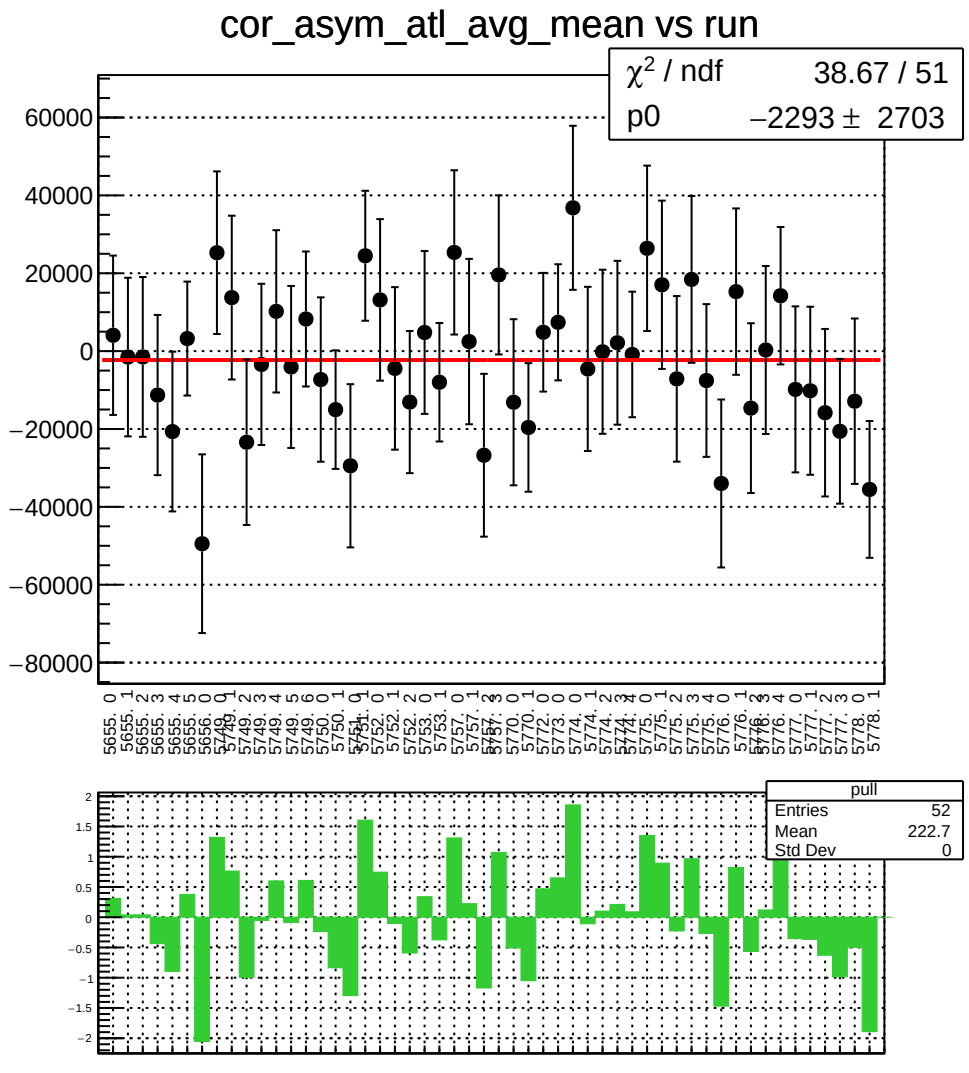
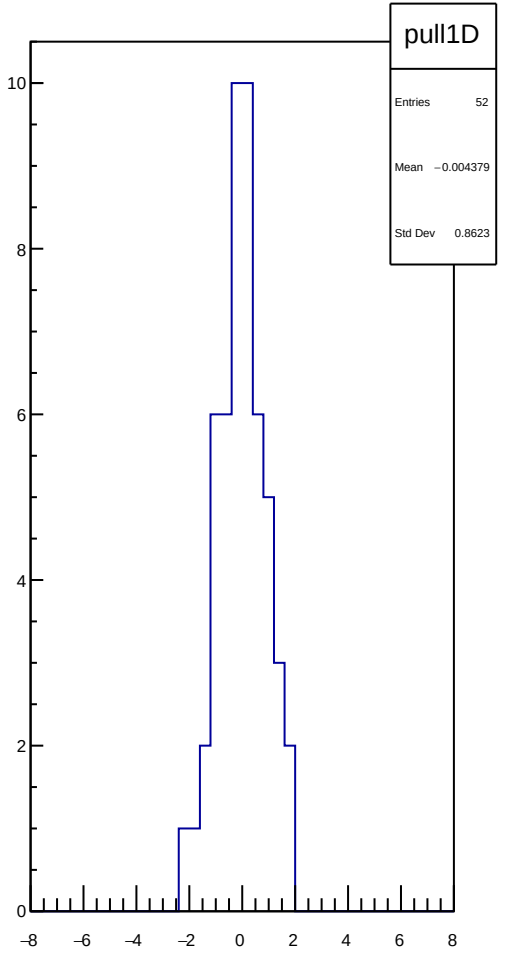
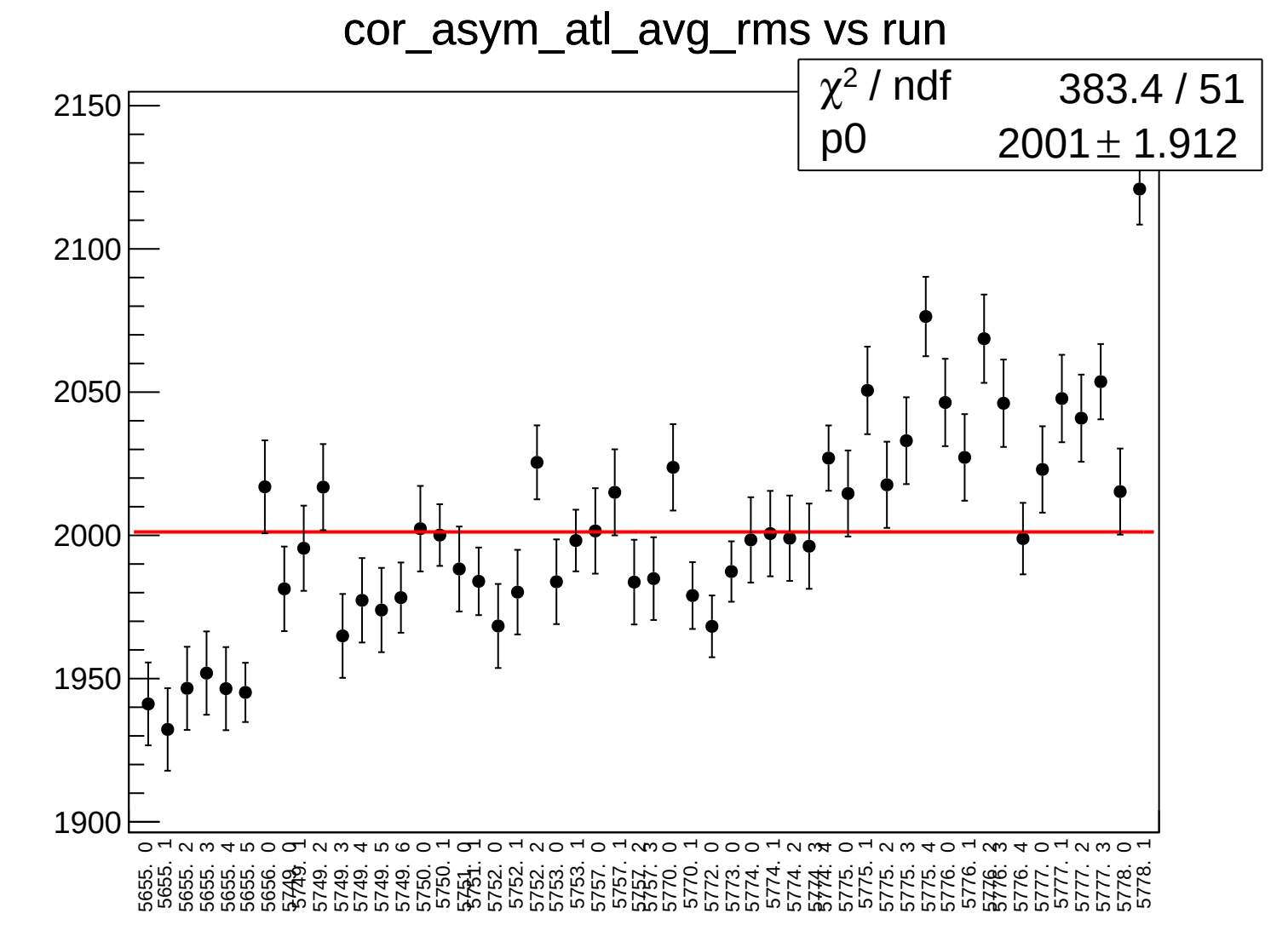
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_atl_avg_mean vs run
χ² / ndf 38.67 / 51
p0 −2293 ± 2703
pull
Entries 52
Mean 222.7
Std Dev 0


pull1D
Entries 52
Mean −0.004379
Std Dev 0.8623


cor_asym_atl_avg_rms vs run
χ² / ndf 383.4 / 51
p0 2001 ± 1.912
2150
2100
2050
2000
1950
1900
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5773. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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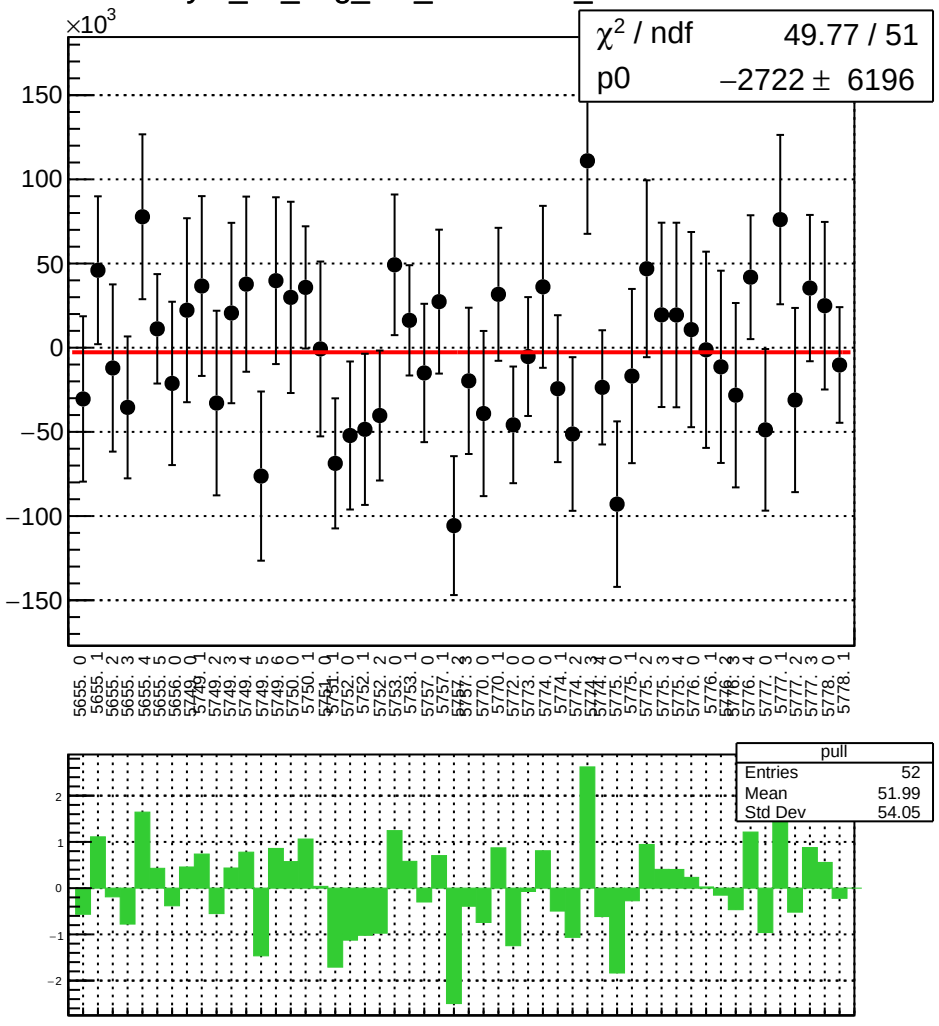
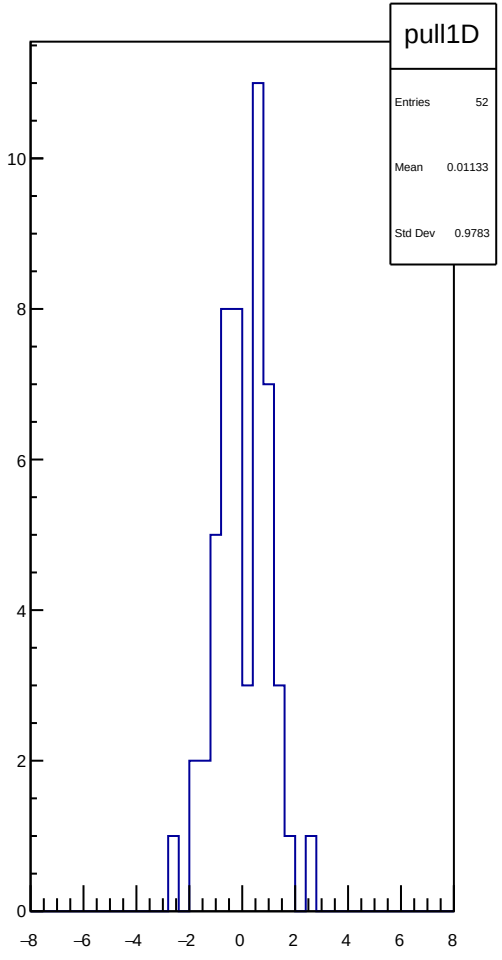
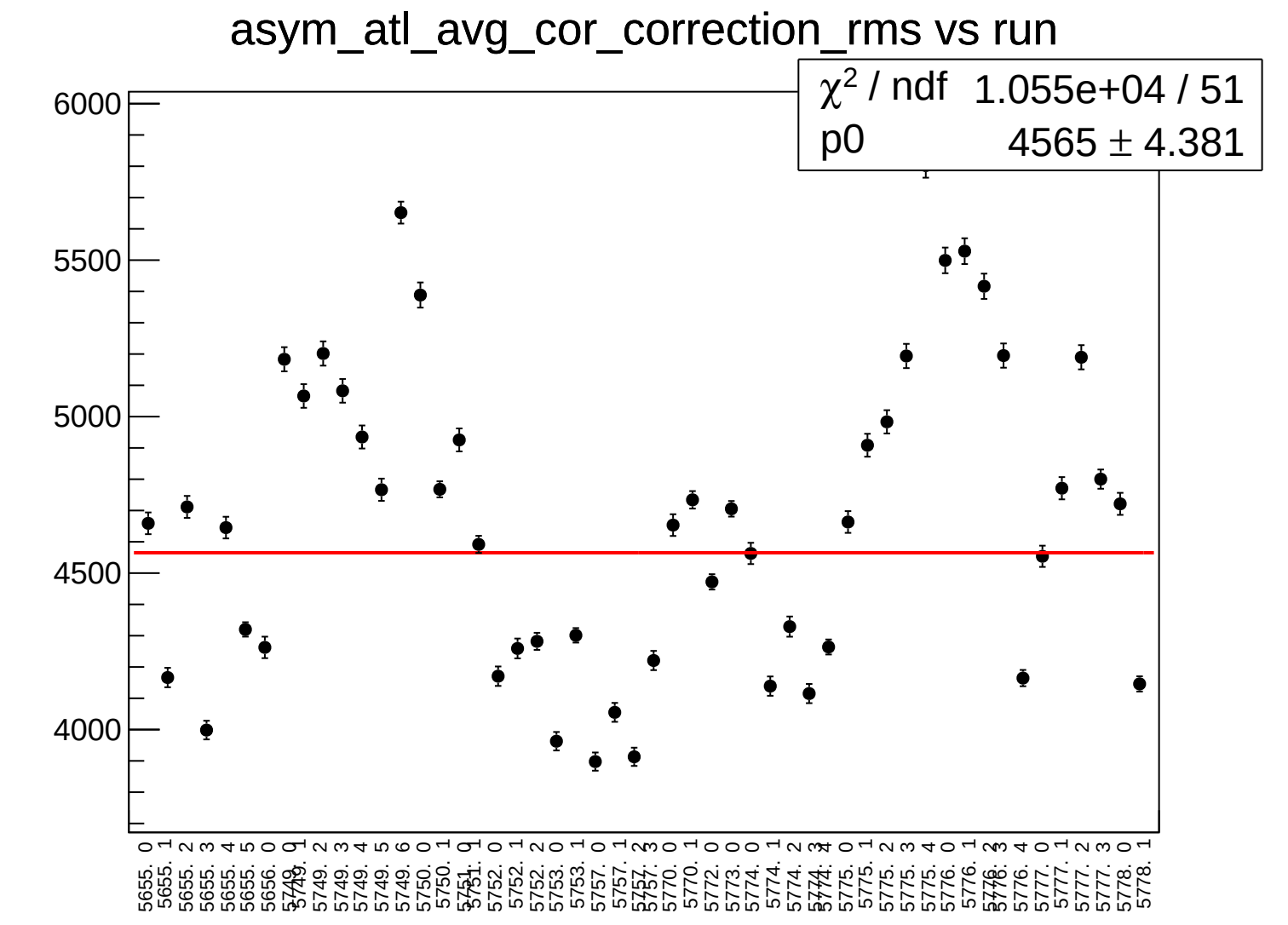
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl_avg_cor_correction_mean vs run
×10^3
χ² / ndf 49.77 / 51
p0 −2722 ± 6196
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean 51.99
Std Dev 54.05
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01133
Std Dev 0.9783
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 1.055e+04 / 51
p0 4565 ± 4.381
6000
5500
5000
4500
4000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5753. 1
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5757. 1
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5757. 3
5770. 0
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5775. 3
5775. 4
5776. 0
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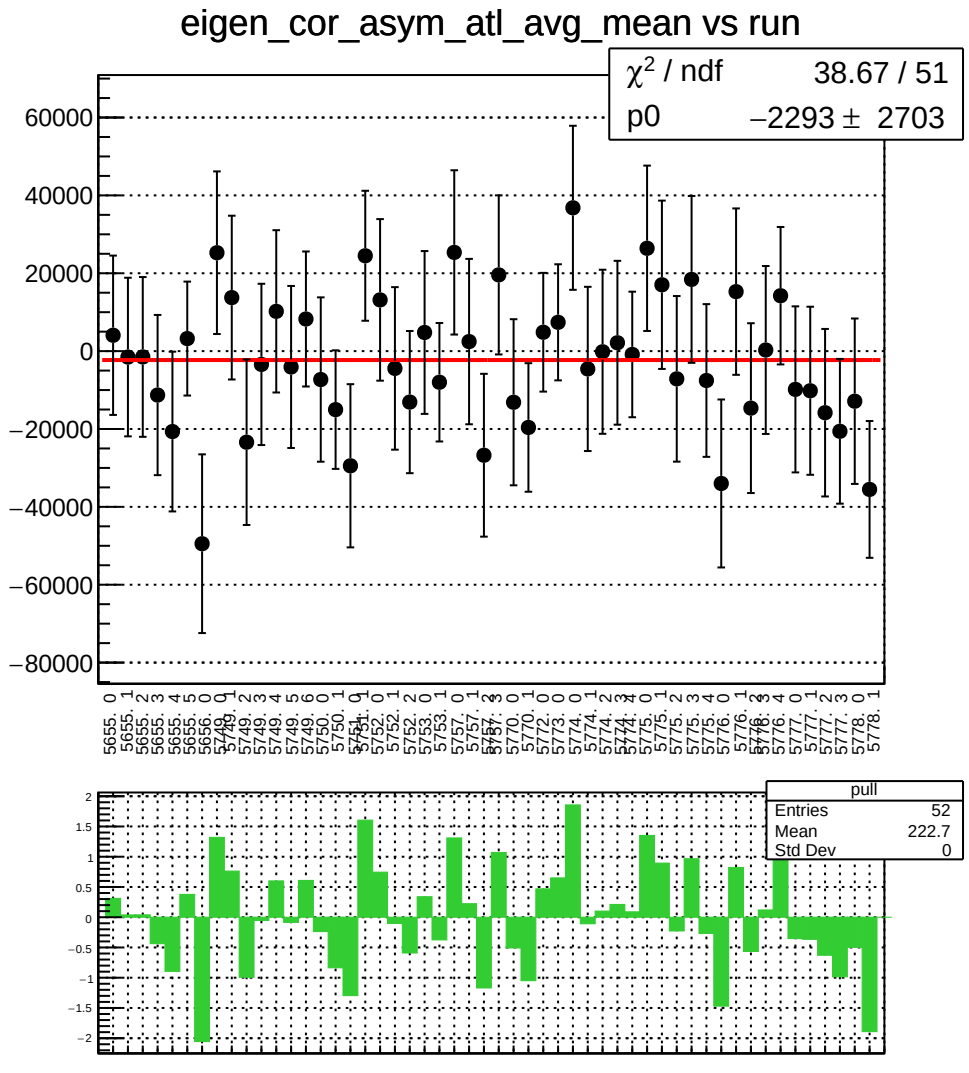
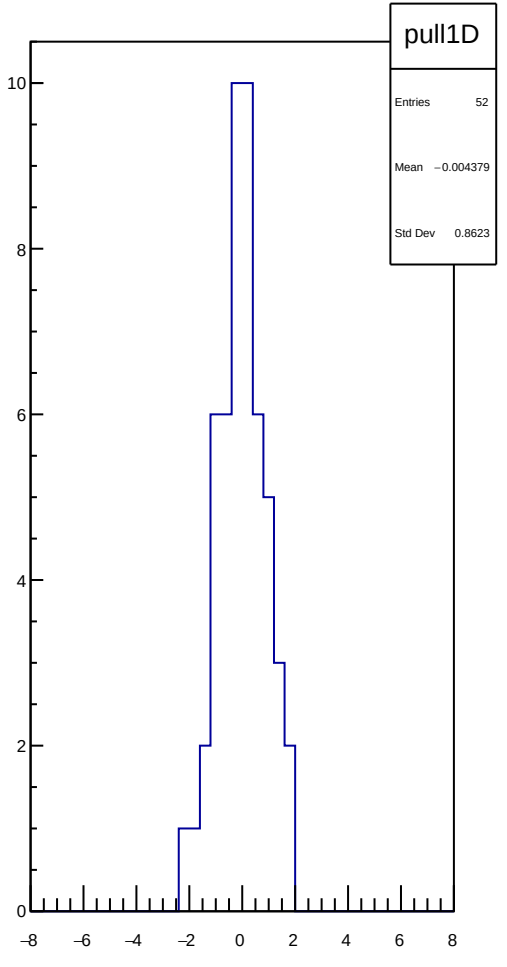
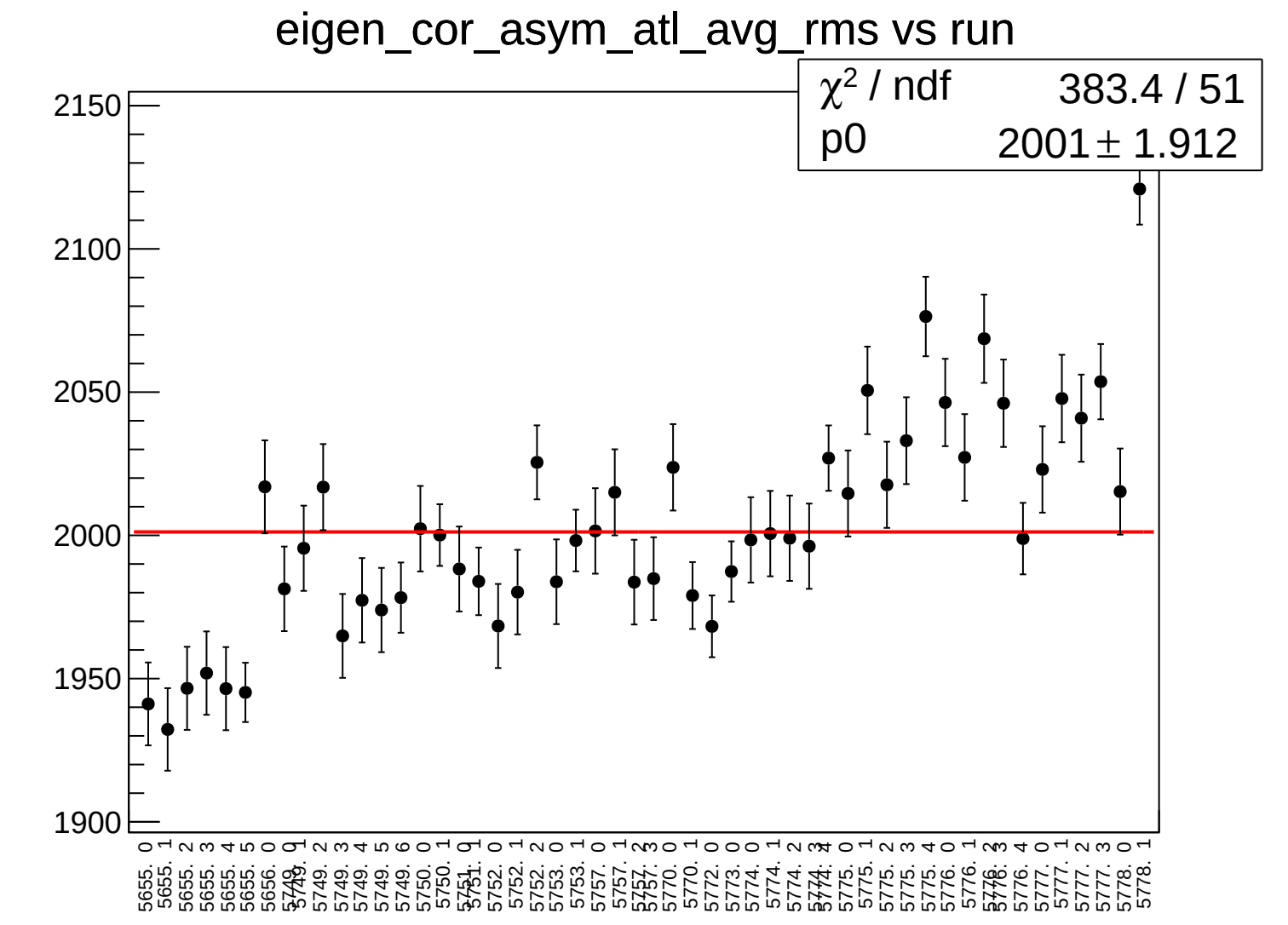
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_atl_avg_mean vs run
χ² / ndf 38.67 / 51
p0 −2293 ± 2703
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean 222.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean −0.004379
Std Dev 0.8623
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atl_avg_rms vs run
χ² / ndf 383.4 / 51
p0 2001 ± 1.912
2150
2100
2050
2000
1950
1900
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
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5770. 1
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5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
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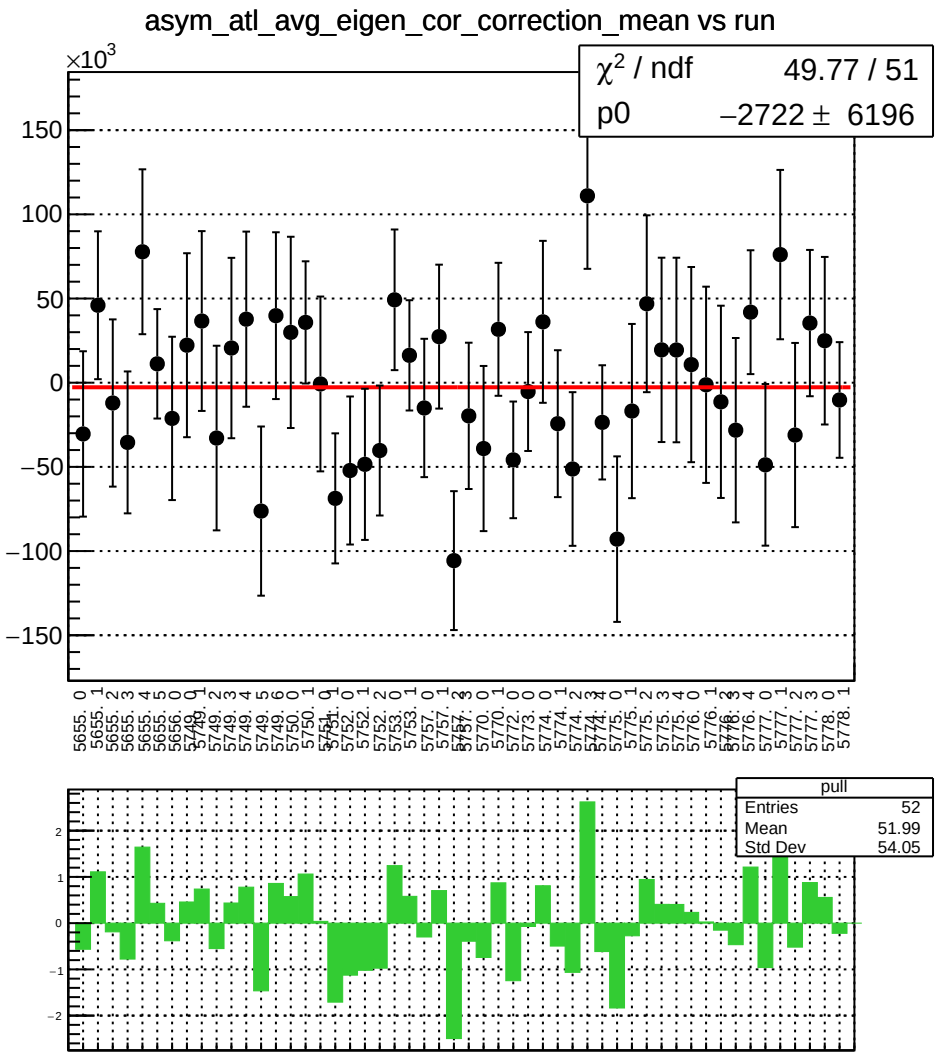
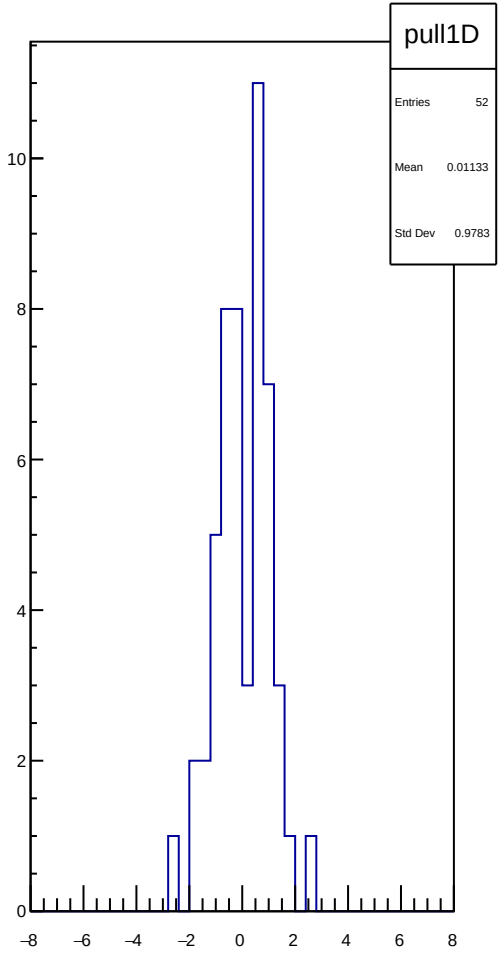
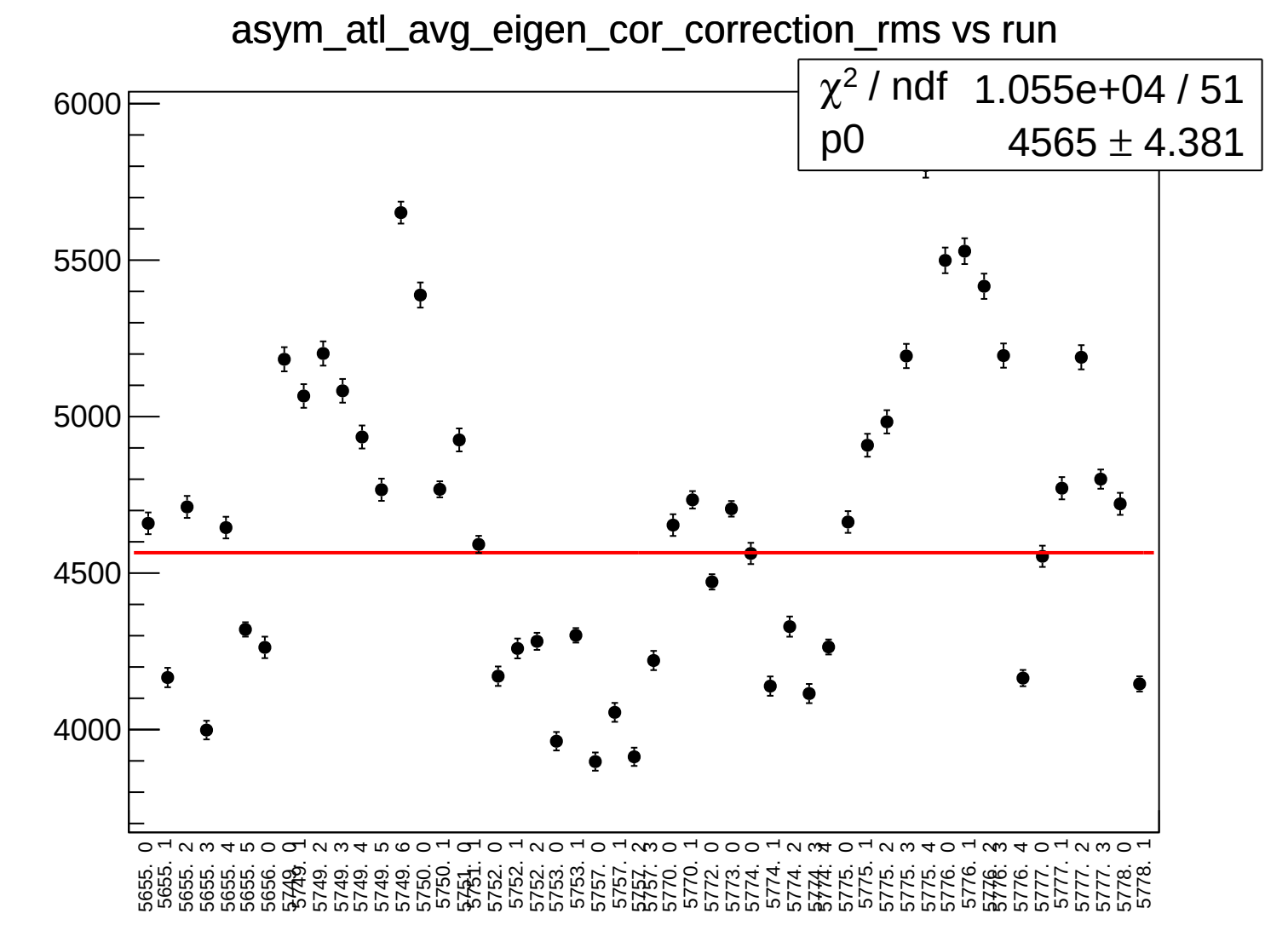
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 49.77 / 51
p0 −2722 ± 6196
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean 51.99
Std Dev 54.05
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01133
Std Dev 0.9783
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.055e+04 / 51
p0 4565 ± 4.381
6000
5500
5000
4500
4000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5774. 0
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5777. 2
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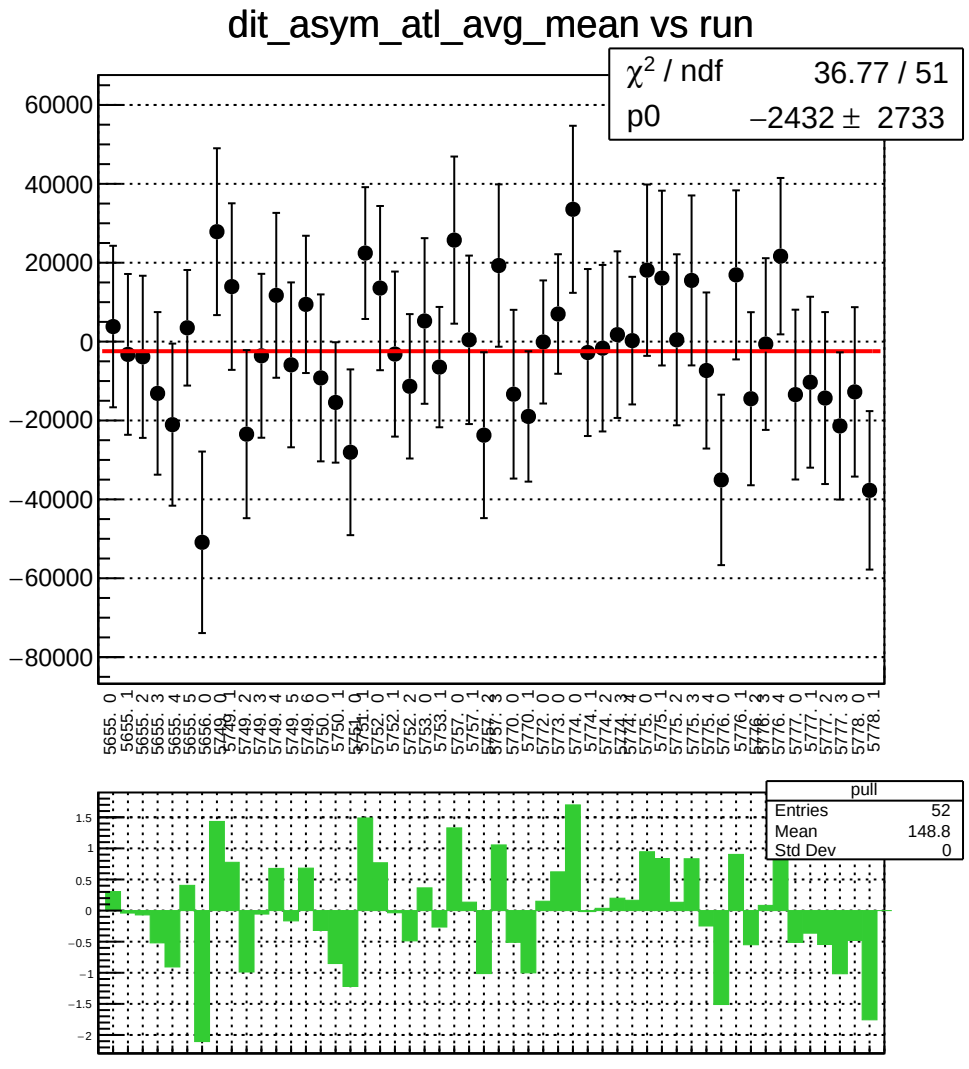
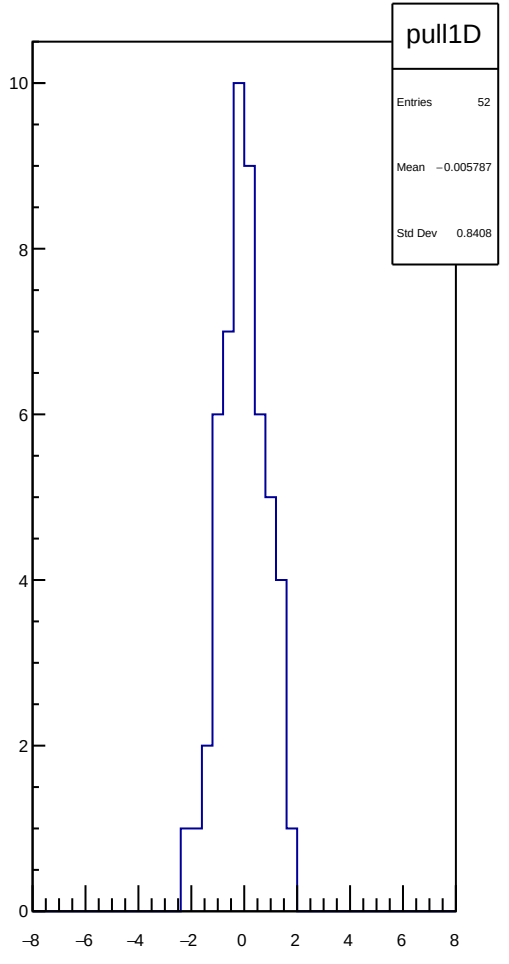
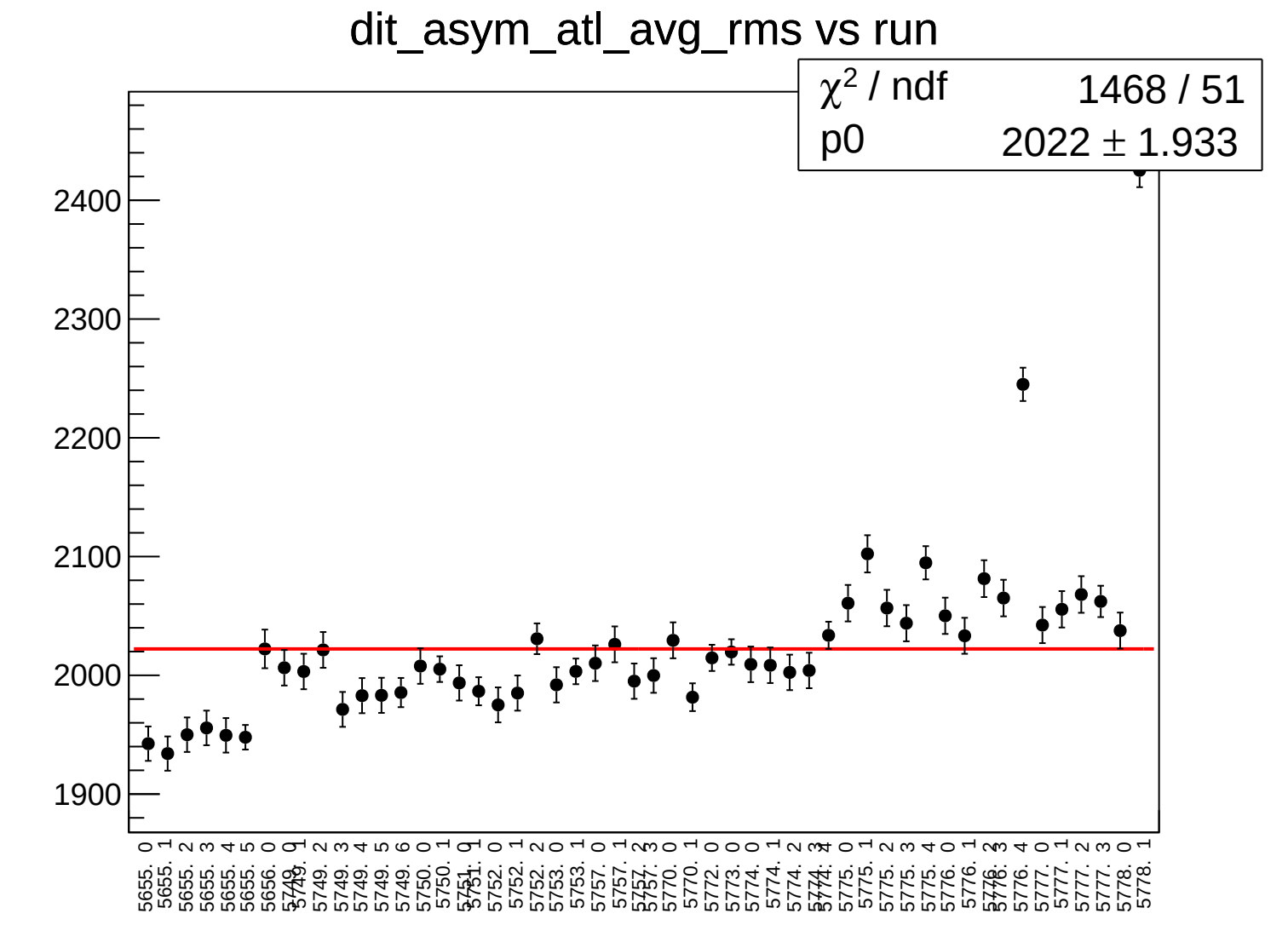
5778. 1


dit_asym_atl_avg_mean vs run
χ² / ndf 36.77 / 51
p0 −2432 ± 2733
pull
Entries 52
Mean 148.8
Std Dev 0


pull1D
Entries 52
Mean −0.005787
Std Dev 0.8408


dit_asym_atl_avg_rms vs run
χ² / ndf 1468 / 51
p0 2022 ± 1.933
2400
2300
2200
2100
2000
1900
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
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5777. 2
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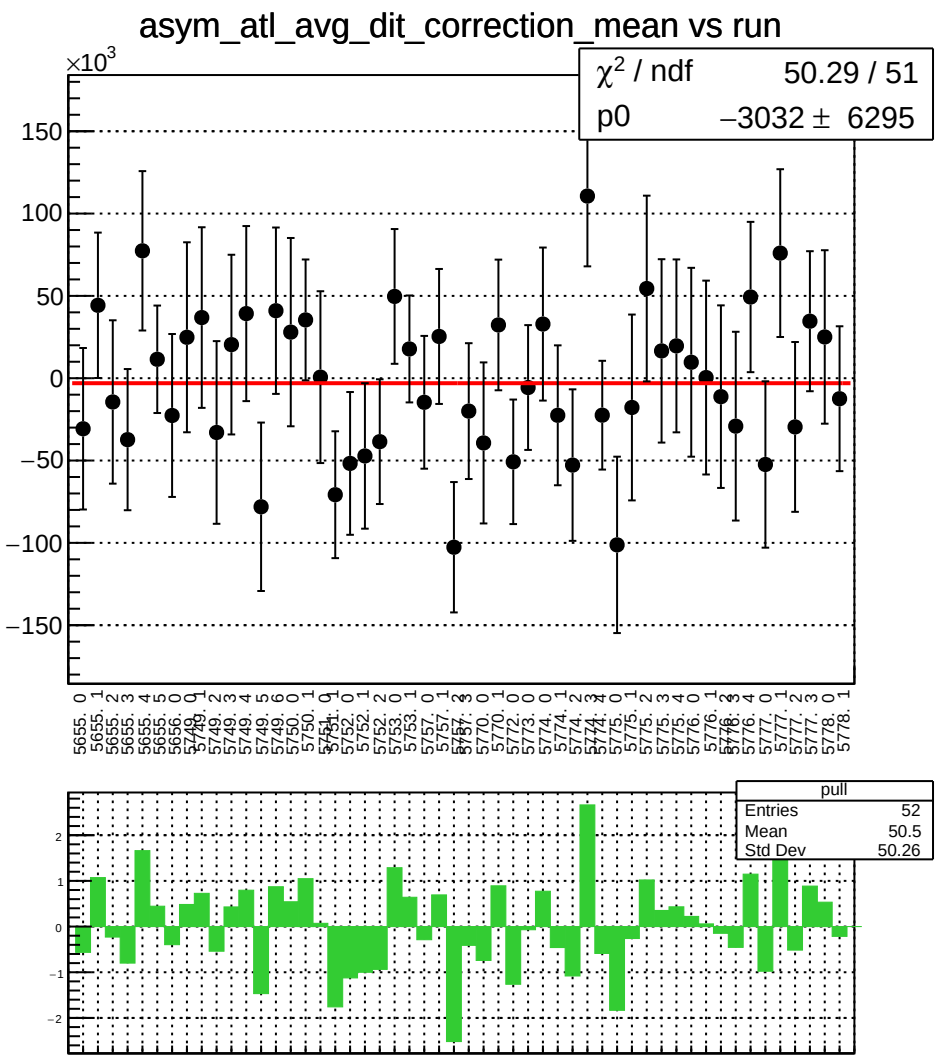
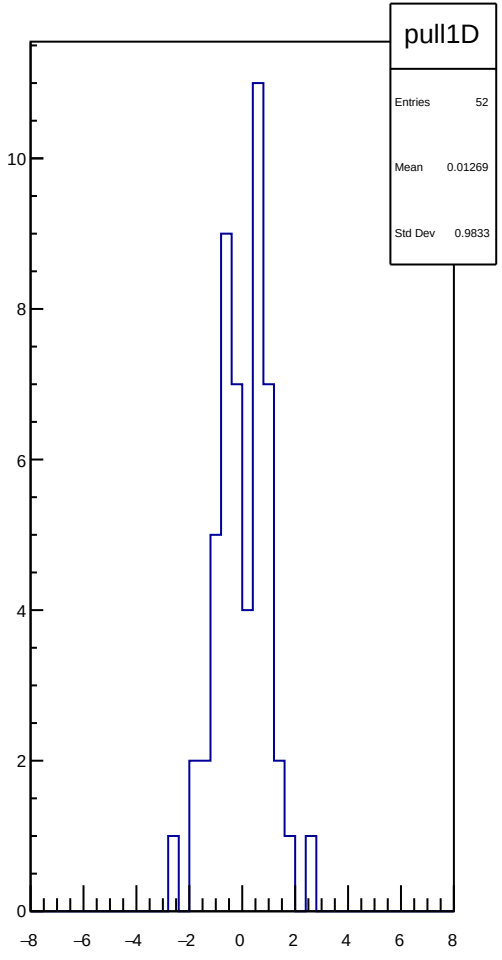
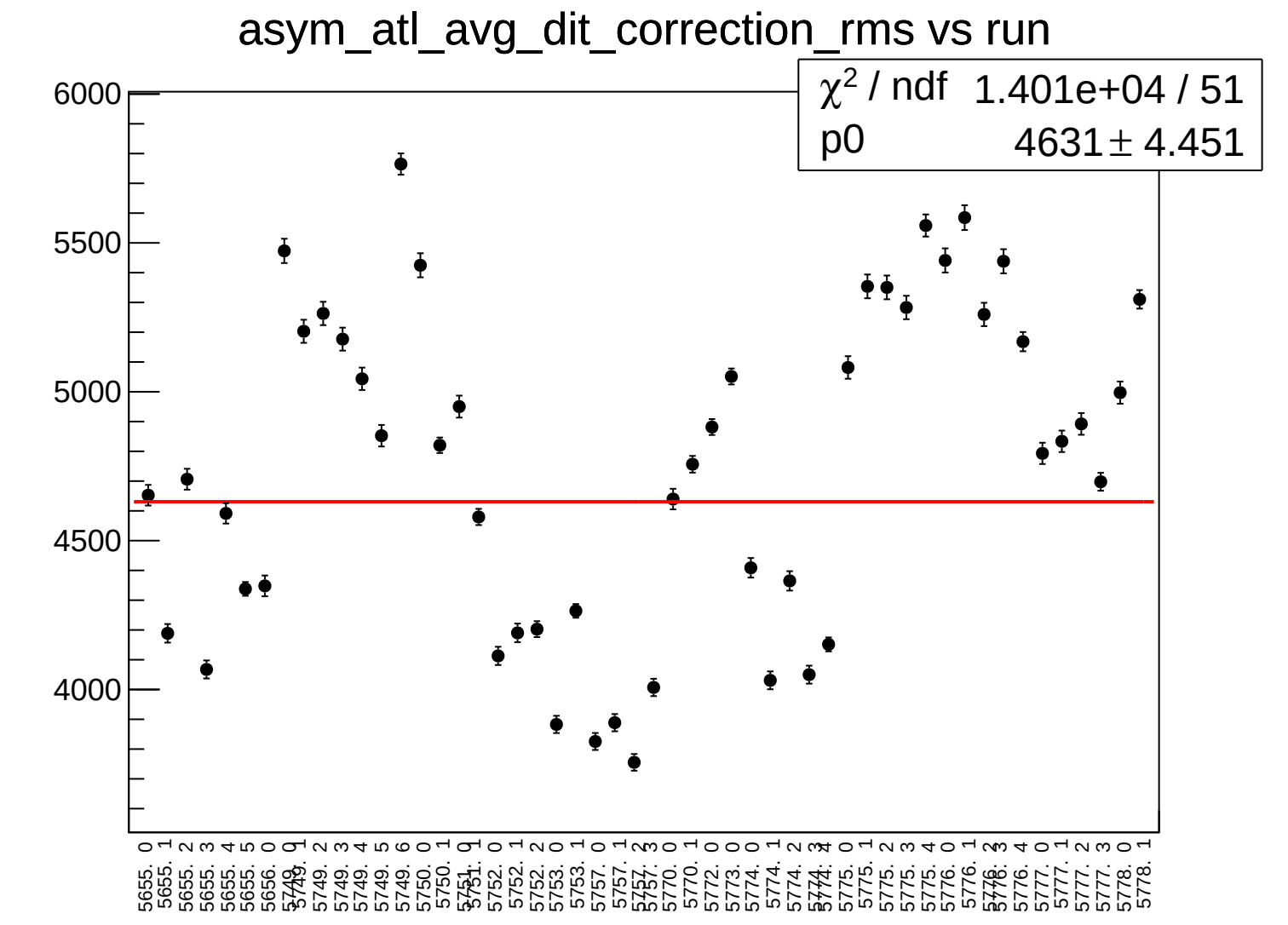

asym_atl_avg_dit_correction_mean vs run
×10^3
χ² / ndf 50.29 / 51
p0 −3032 ± 6295
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean 50.5
Std Dev 50.26
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01269
Std Dev 0.9833
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 1.401e+04 / 51
p0 4631 ± 4.451
6000
5500
5000
4500
4000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5749. 6
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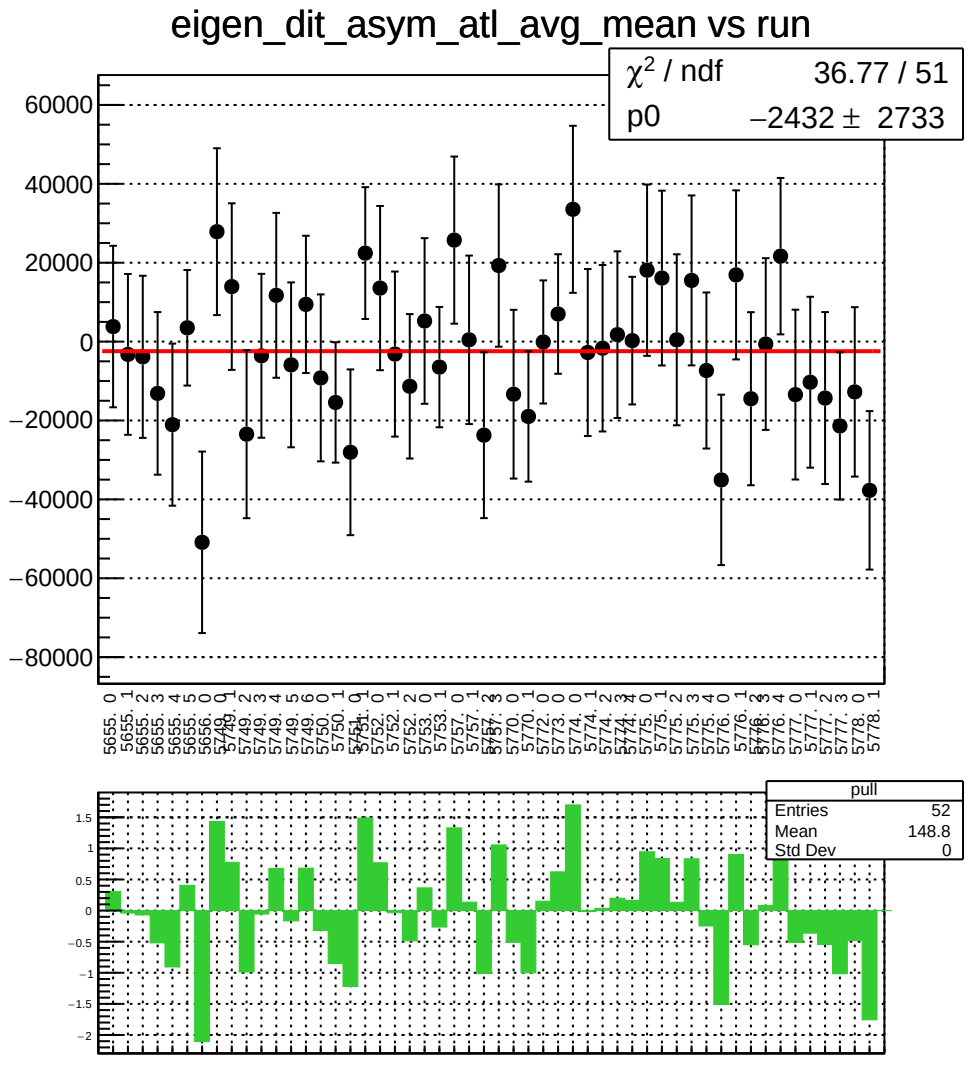
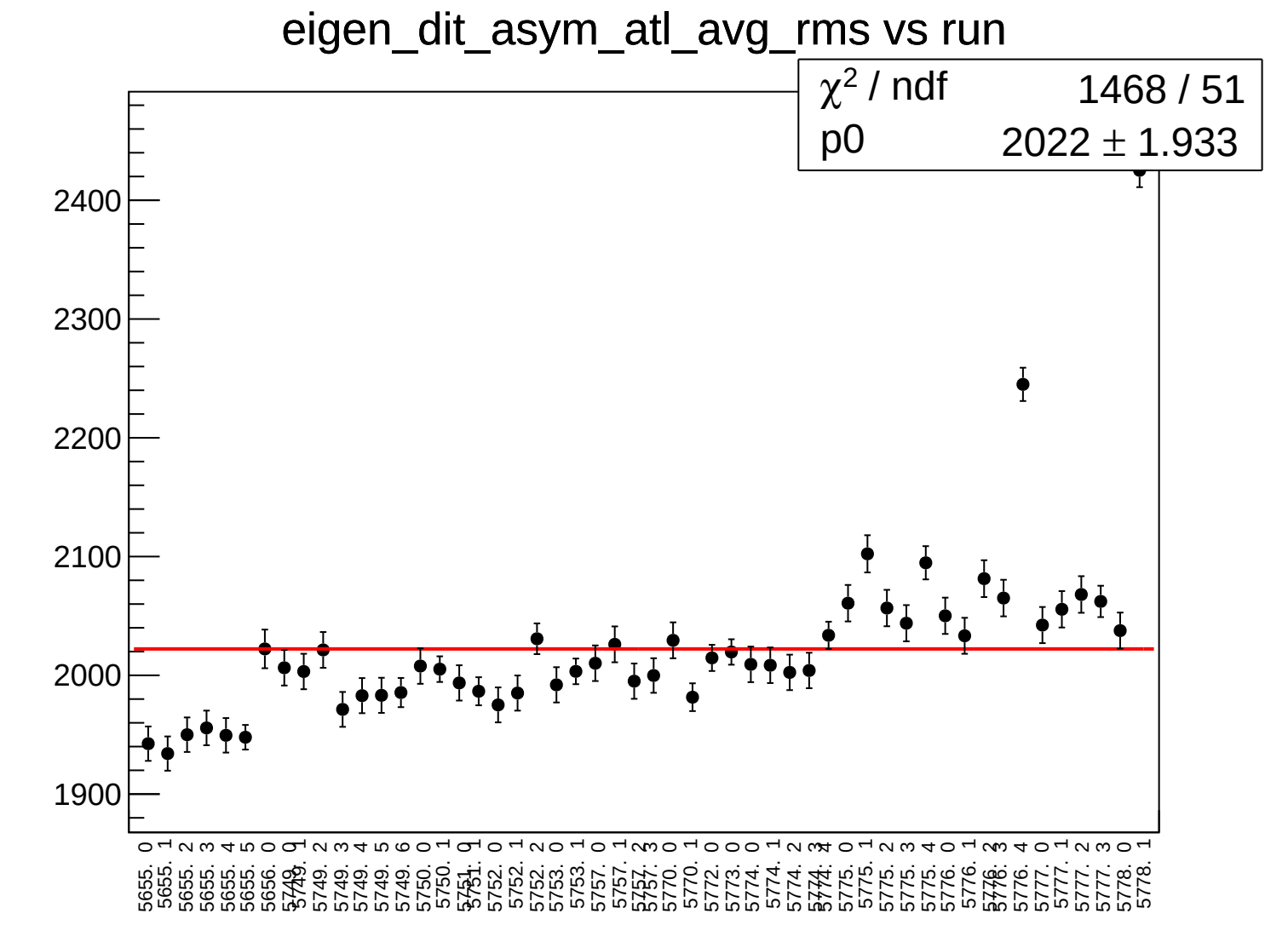

eigen_dit_asym_atl_avg_mean vs run
χ² / ndf 36.77 / 51
p0 −2432 ± 2733
pull
Entries 52
Mean 148.8
Std Dev 0
pull1D
Entries 52
Mean −0.005787
Std Dev 0.8408


eigen_dit_asym_atl_avg_rms vs run
χ² / ndf 1468 / 51
p0 2022 ± 1.933
2400
2300
2200
2100
2000
1900
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
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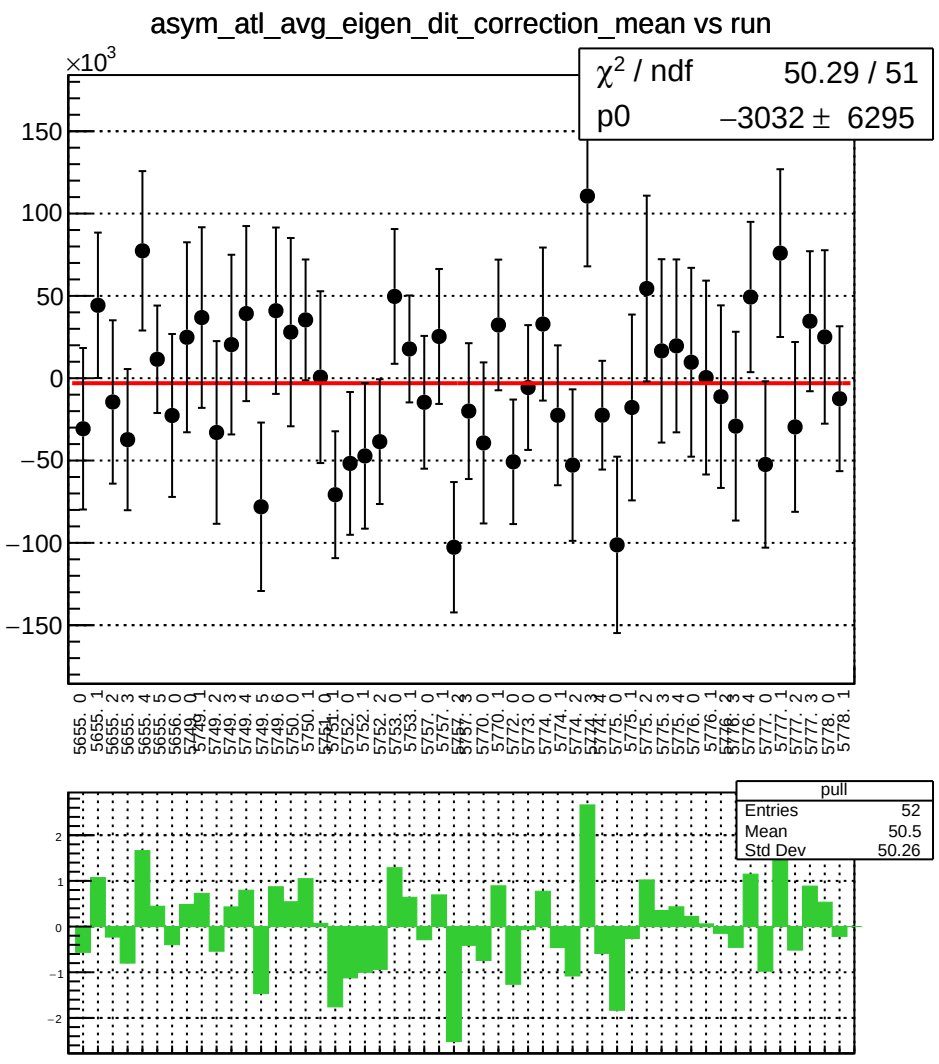
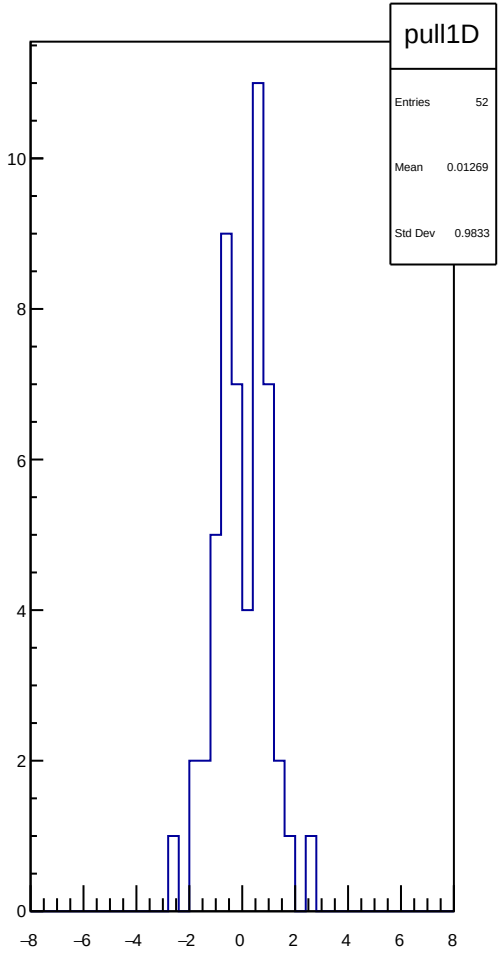
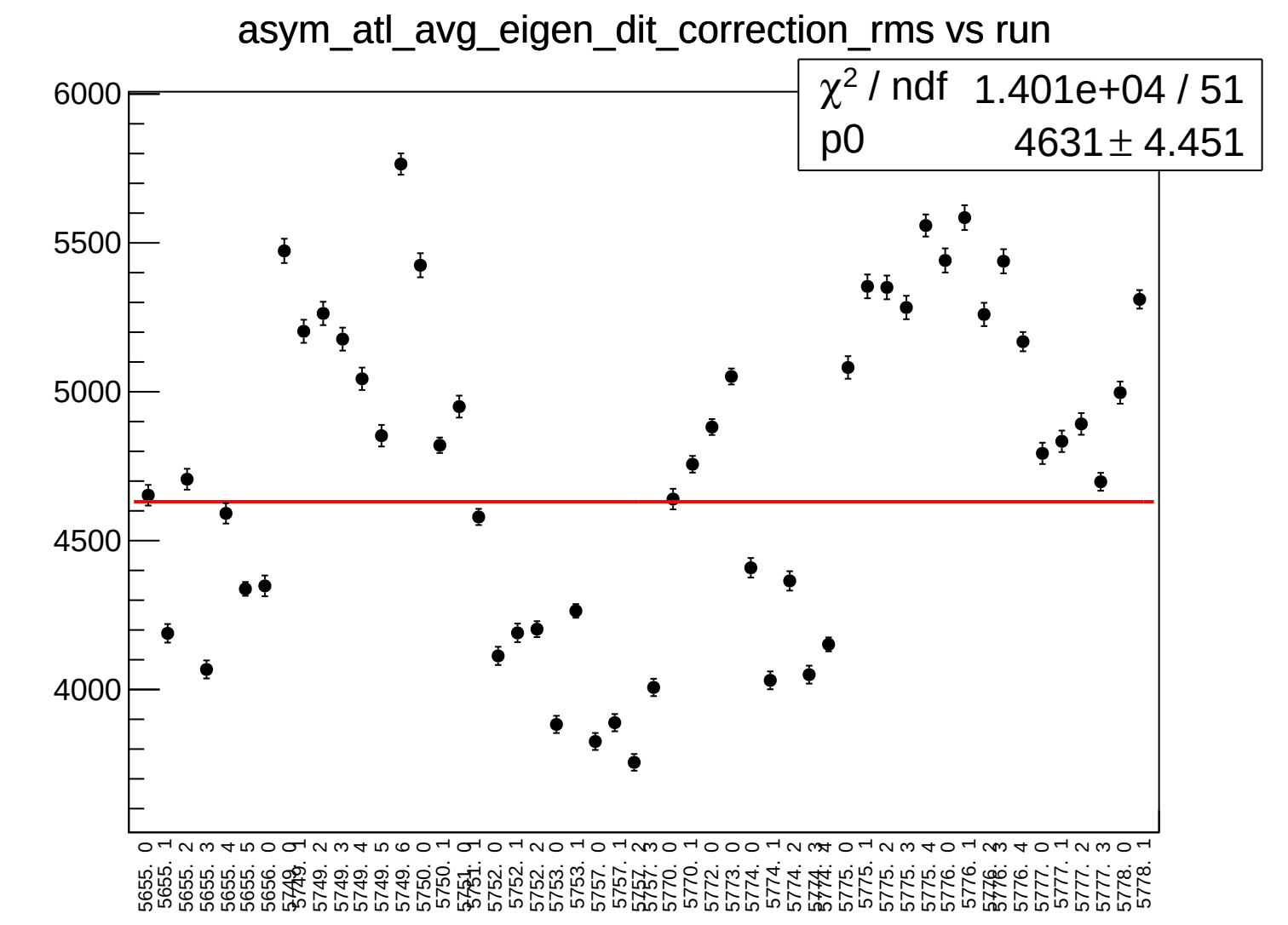

asym_atl_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 50.29 / 51
p0 −3032 ± 6295
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean 50.5
Std Dev 50.26
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01269
Std Dev 0.9833
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 1.401e+04 / 51
p0 4631 ± 4.451
6000
5500
5000
4500
4000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
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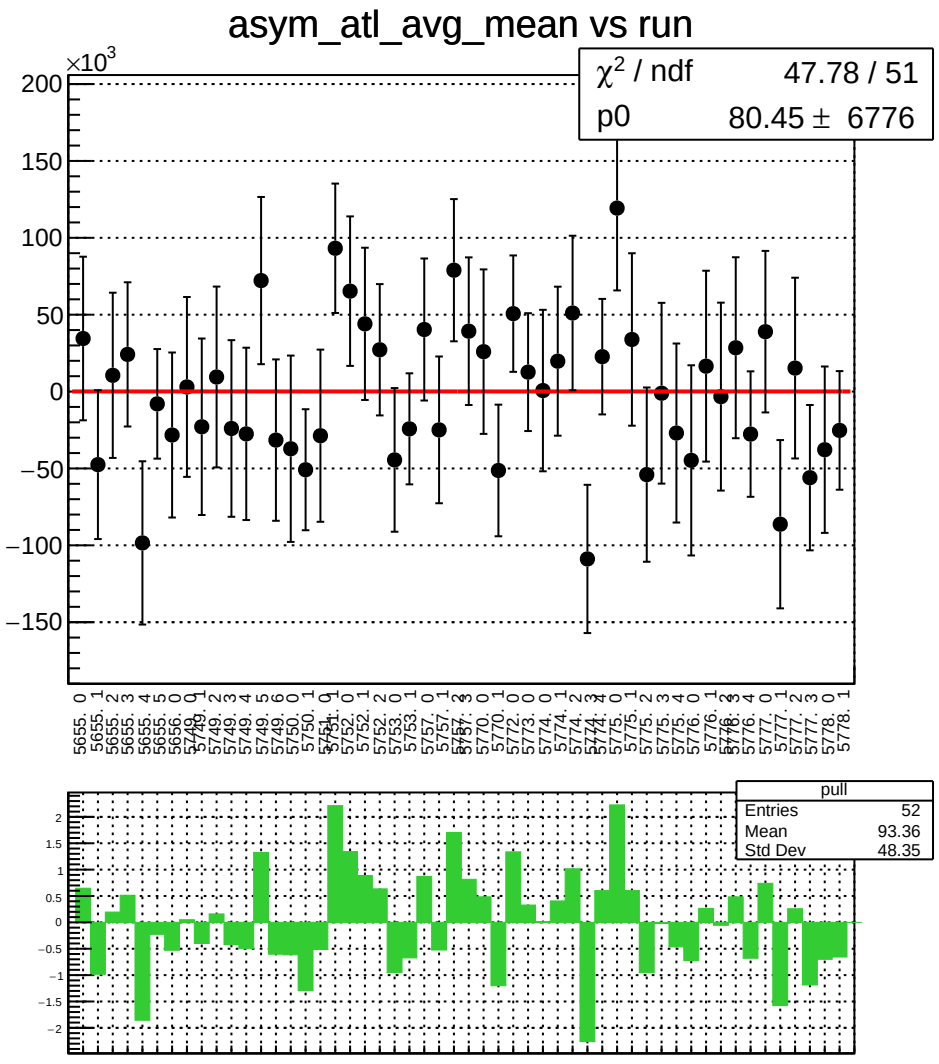
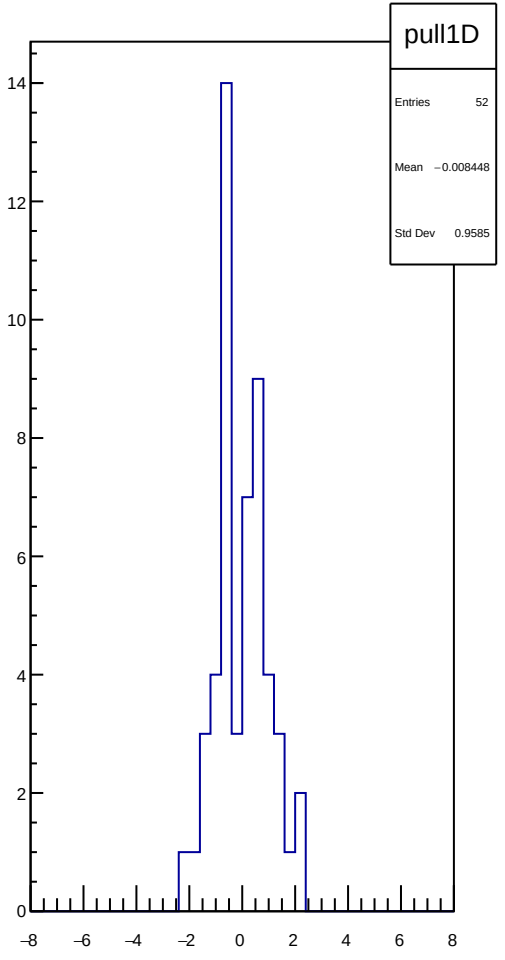
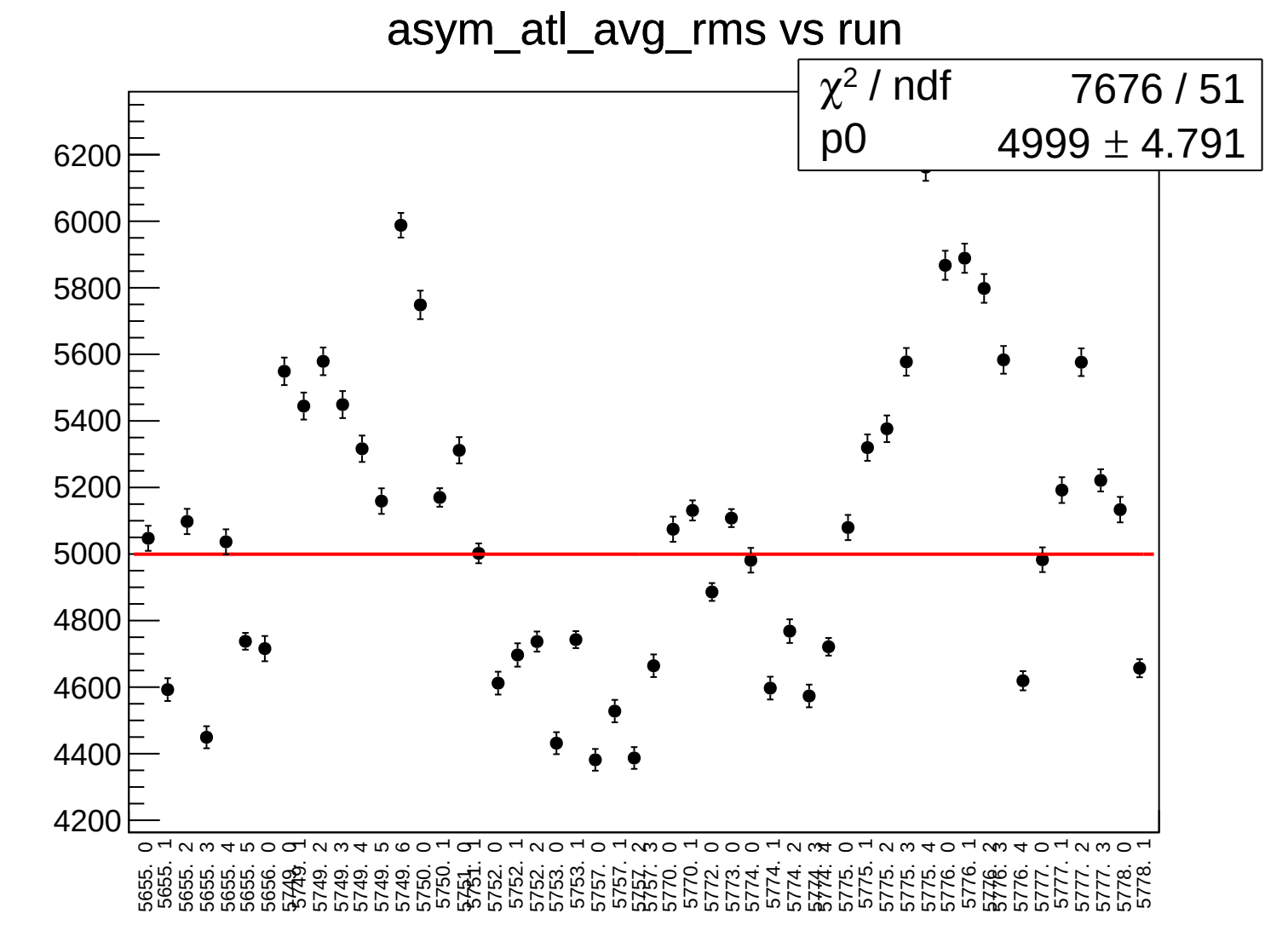
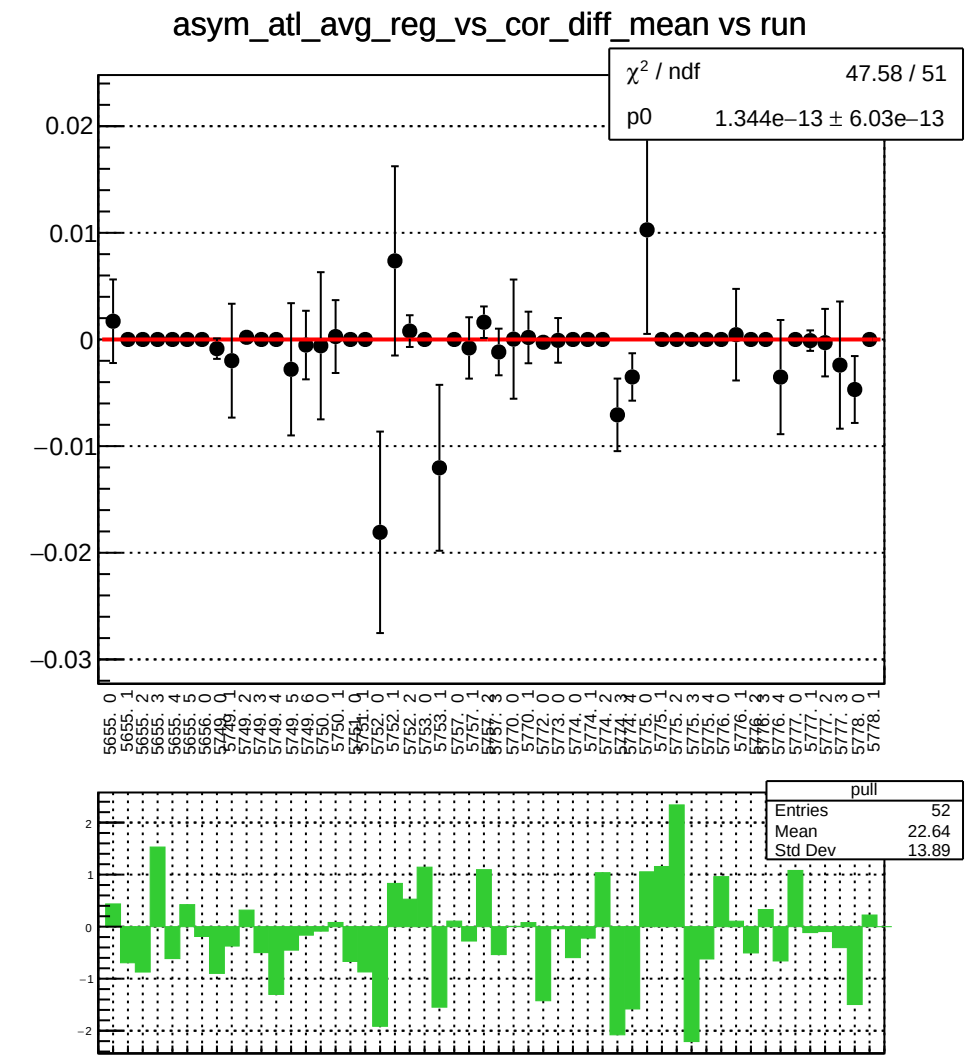
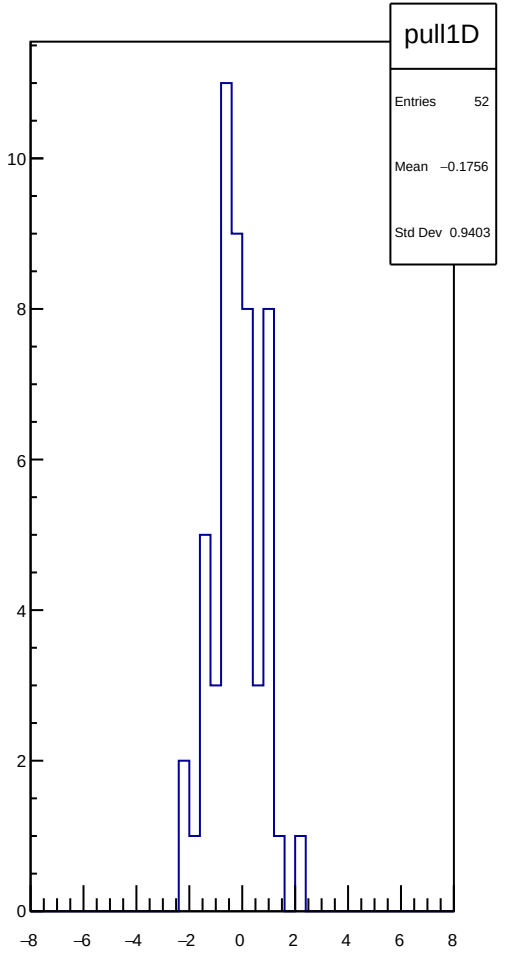
5778. 0
5778. 1

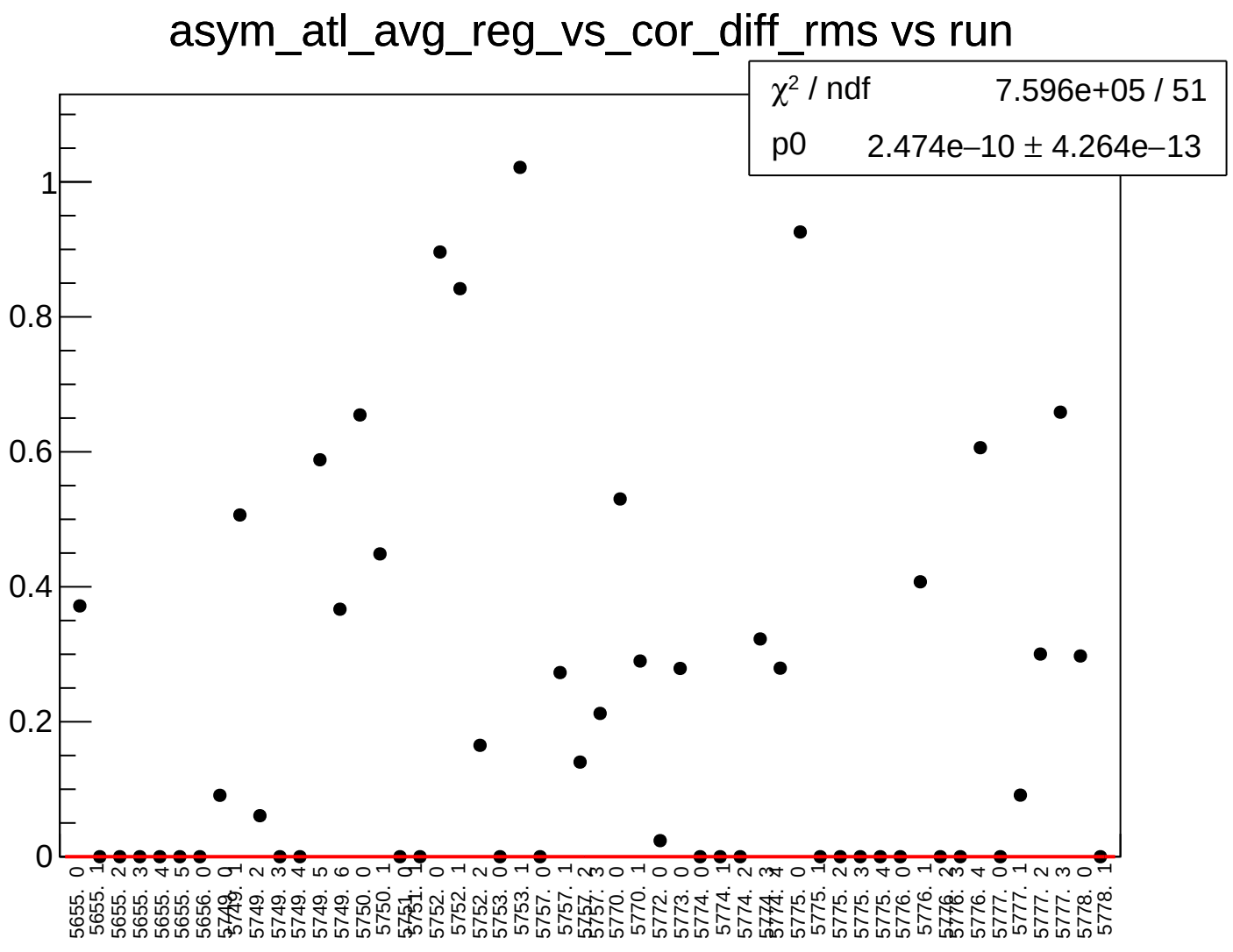

asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 47.78 / 51
p0 80.45 ± 6776
pull
Entries 52
Mean 93.36
Std Dev 48.35

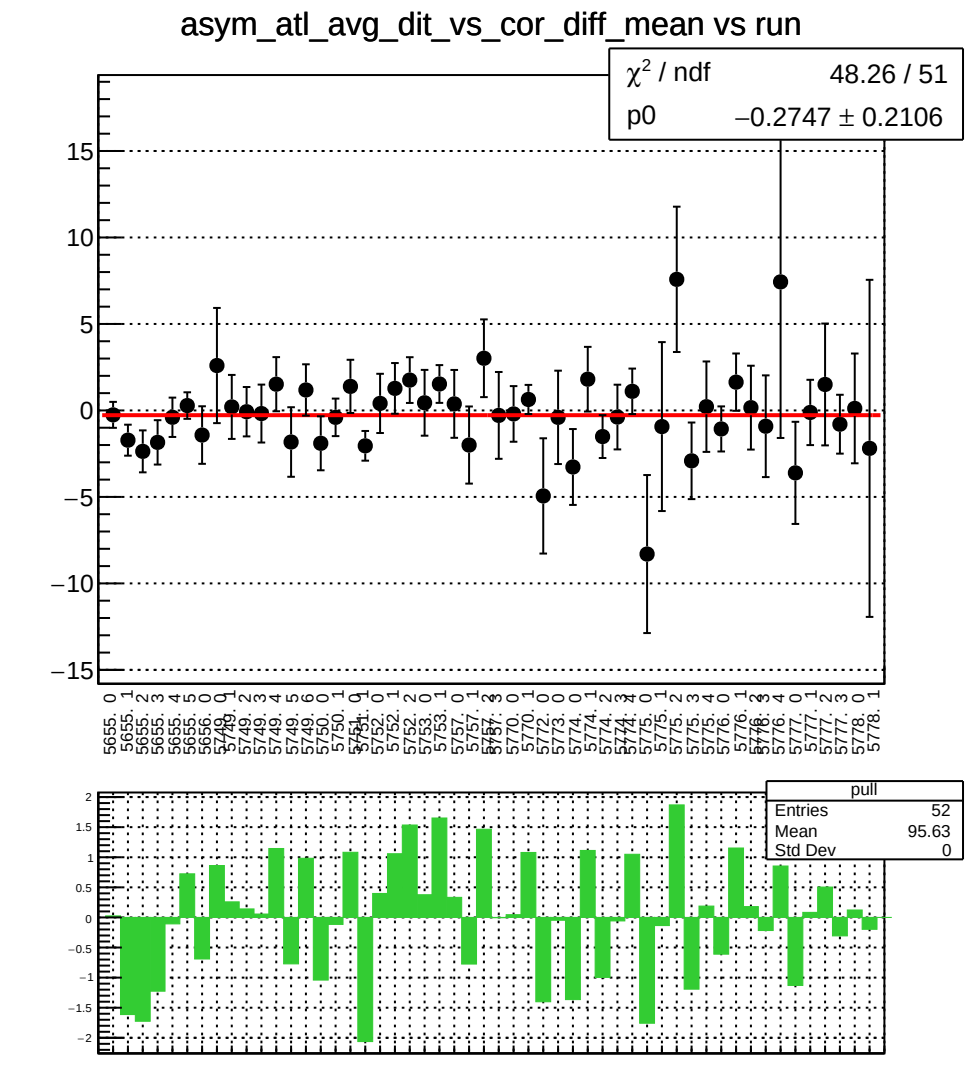

pull1D
Entries 52
Mean −0.008448
Std Dev 0.9585

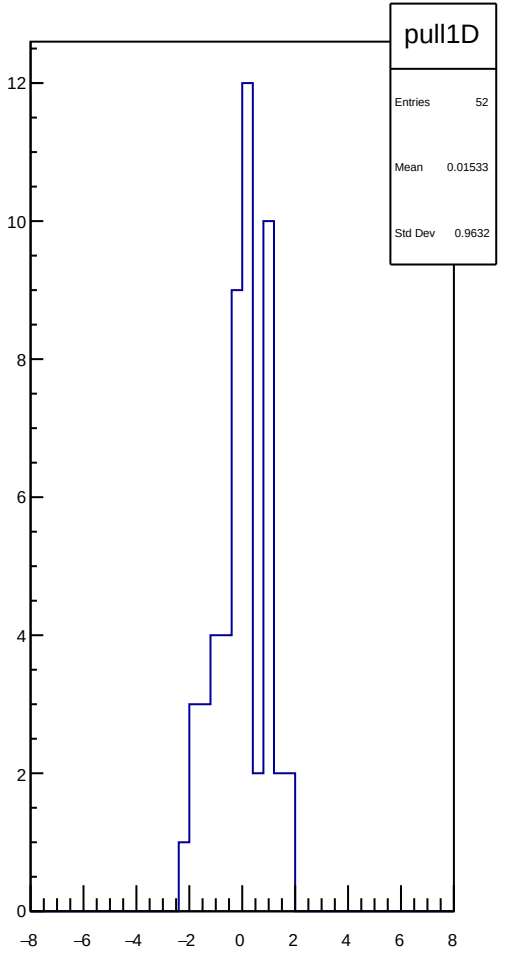

asym_atl_avg_rms vs run
χ² / ndf 7676 / 51
p0 4999 ± 4.791
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

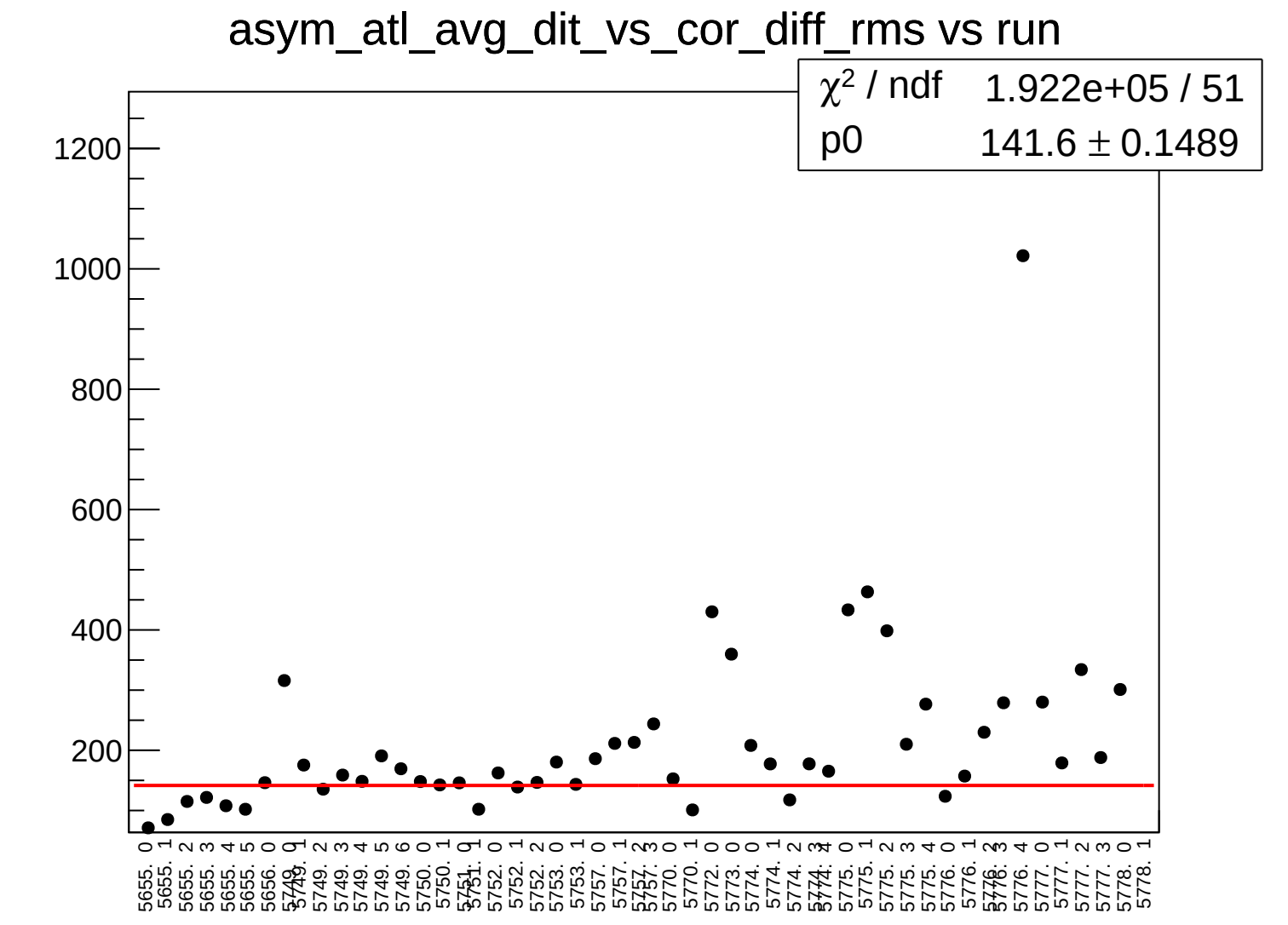

asym_atl_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 47.58 / 51
p0 1.344e−13 ± 6.03e−13
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 52
Mean 22.64
Std Dev 13.89
2
1
0
−1
−2

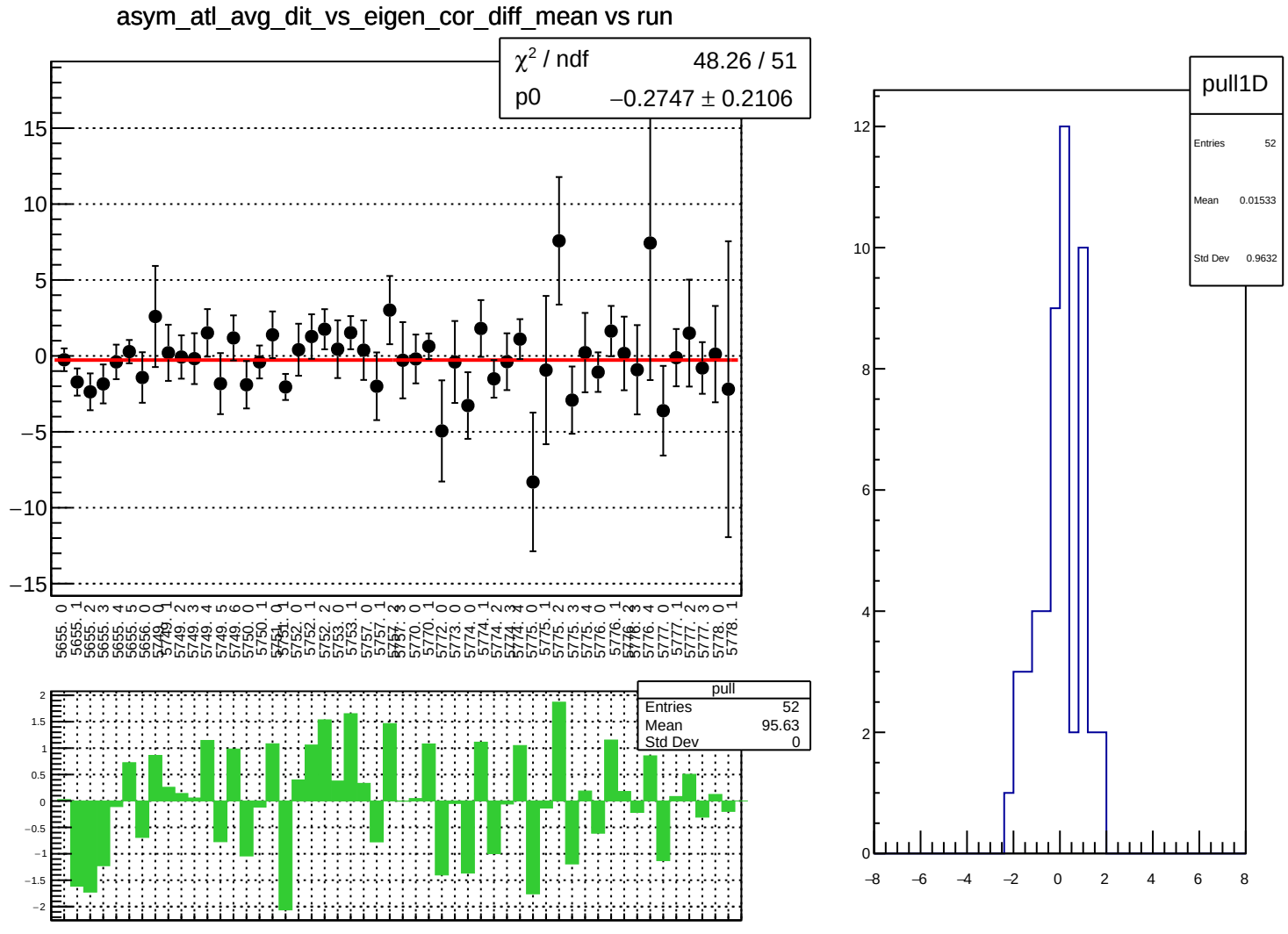

pull1D
Entries 52
Mean −0.1756
Std Dev 0.9403
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

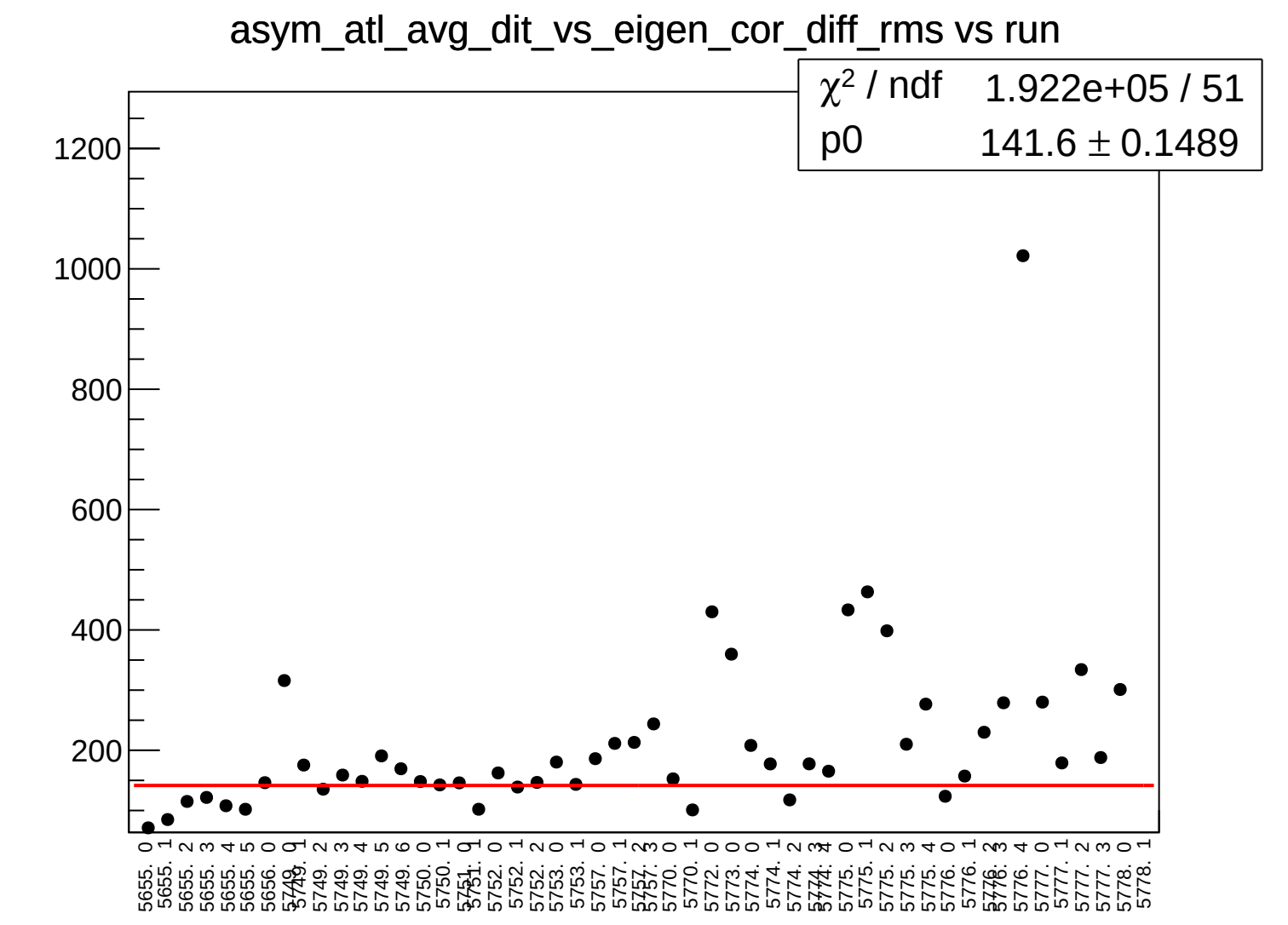

asym_atl_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.596e+05 / 51
p0 2.474e−10 ± 4.264e−13
1
0.8
0.6
0.4
0.2
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

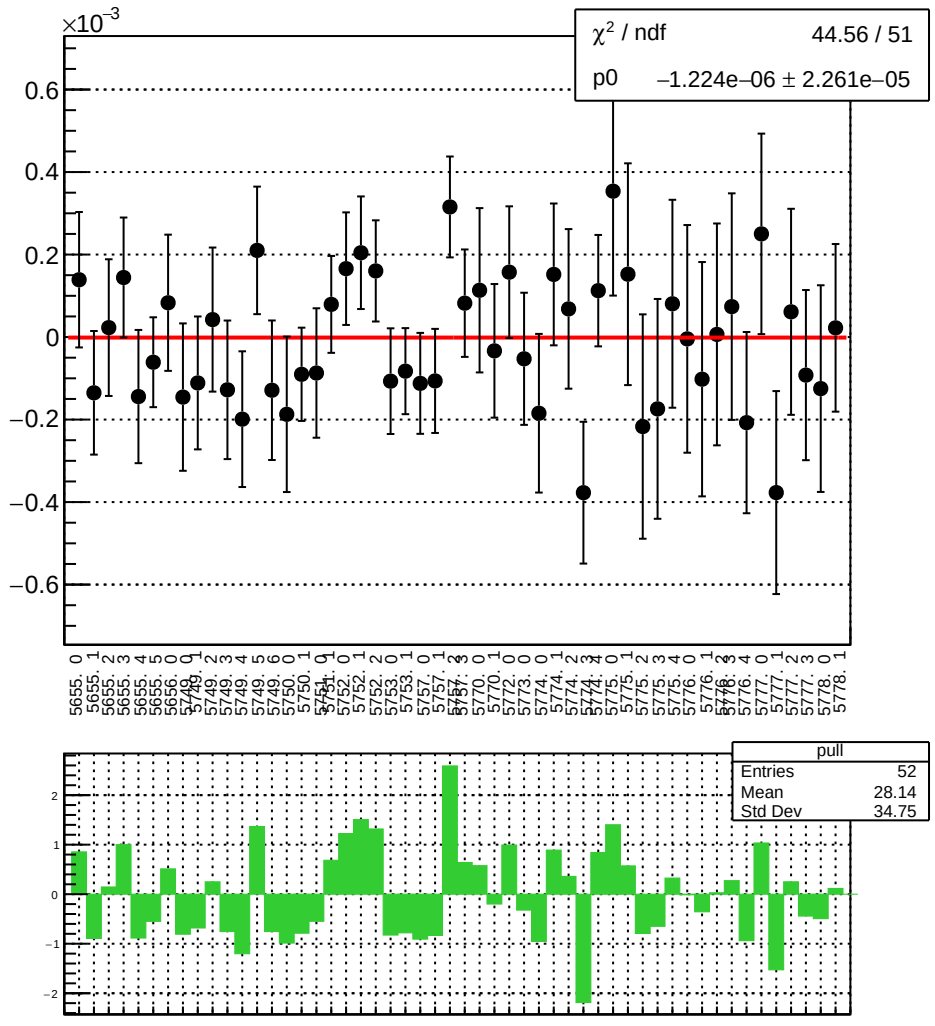

asym_atl_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 48.26 / 51
p0 −0.2747 ± 0.2106
pull
Entries 52
Mean 95.63
Std Dev 0

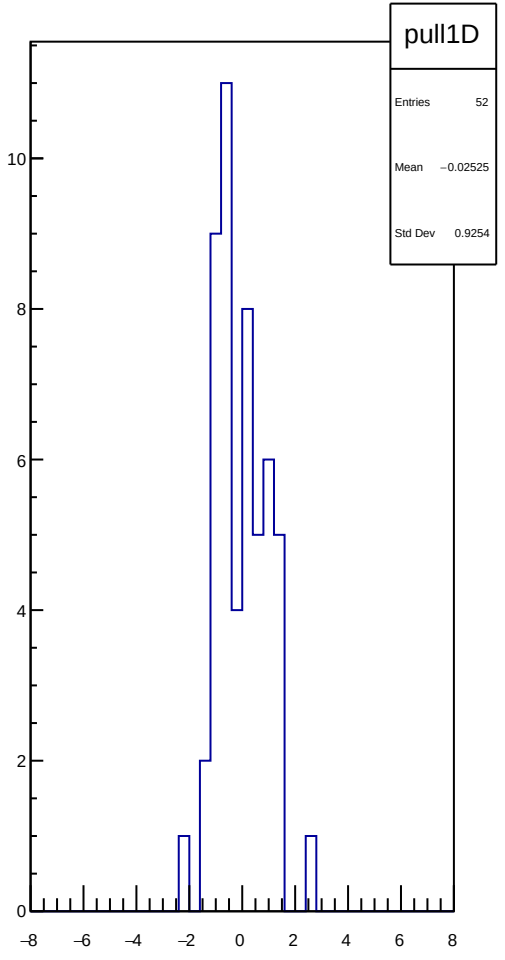

pull1D
Entries 52
Mean 0.01533
Std Dev 0.9632

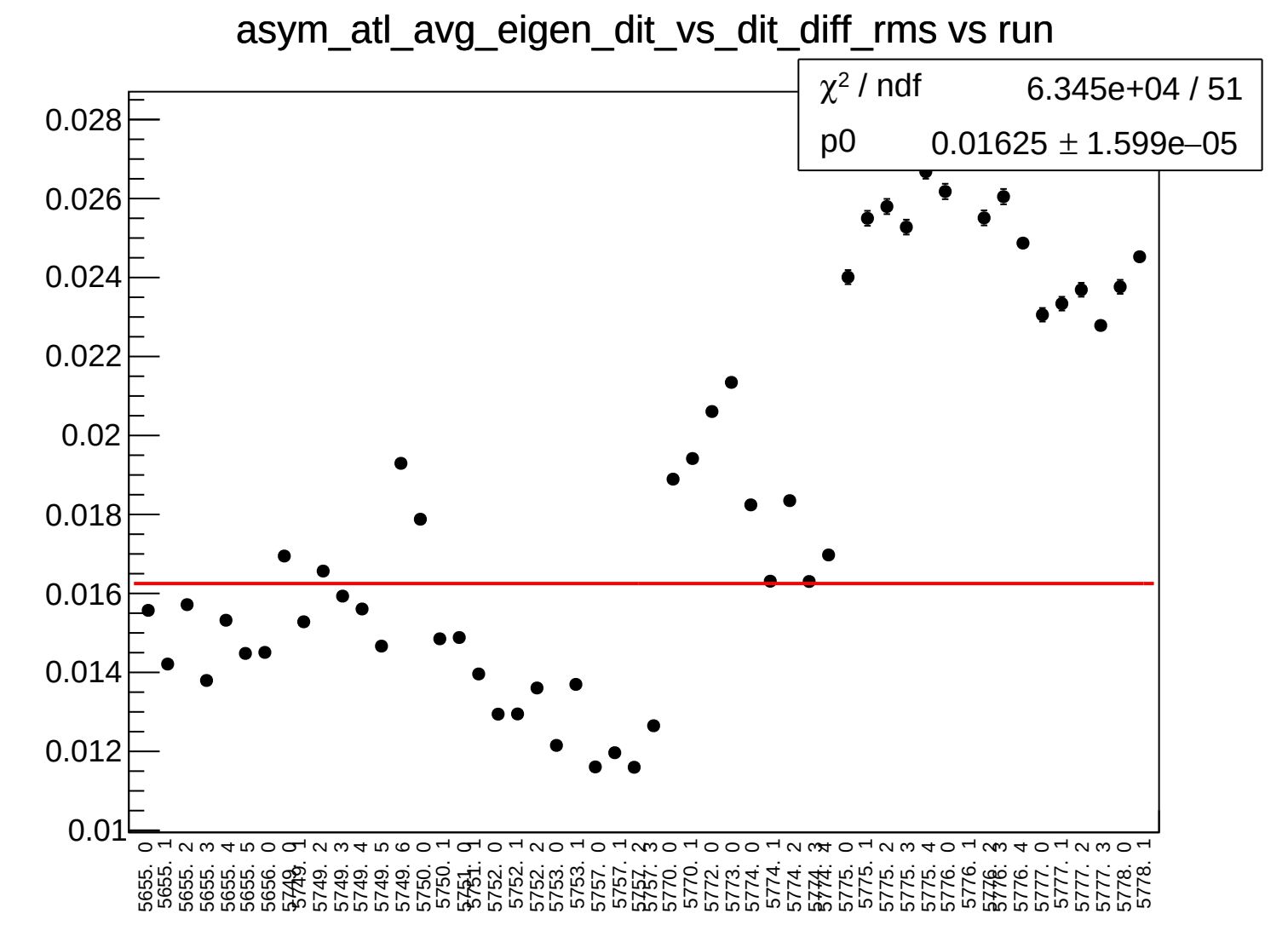

asym_atl_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.922e+05 / 51
p0 141.6 ± 0.1489
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

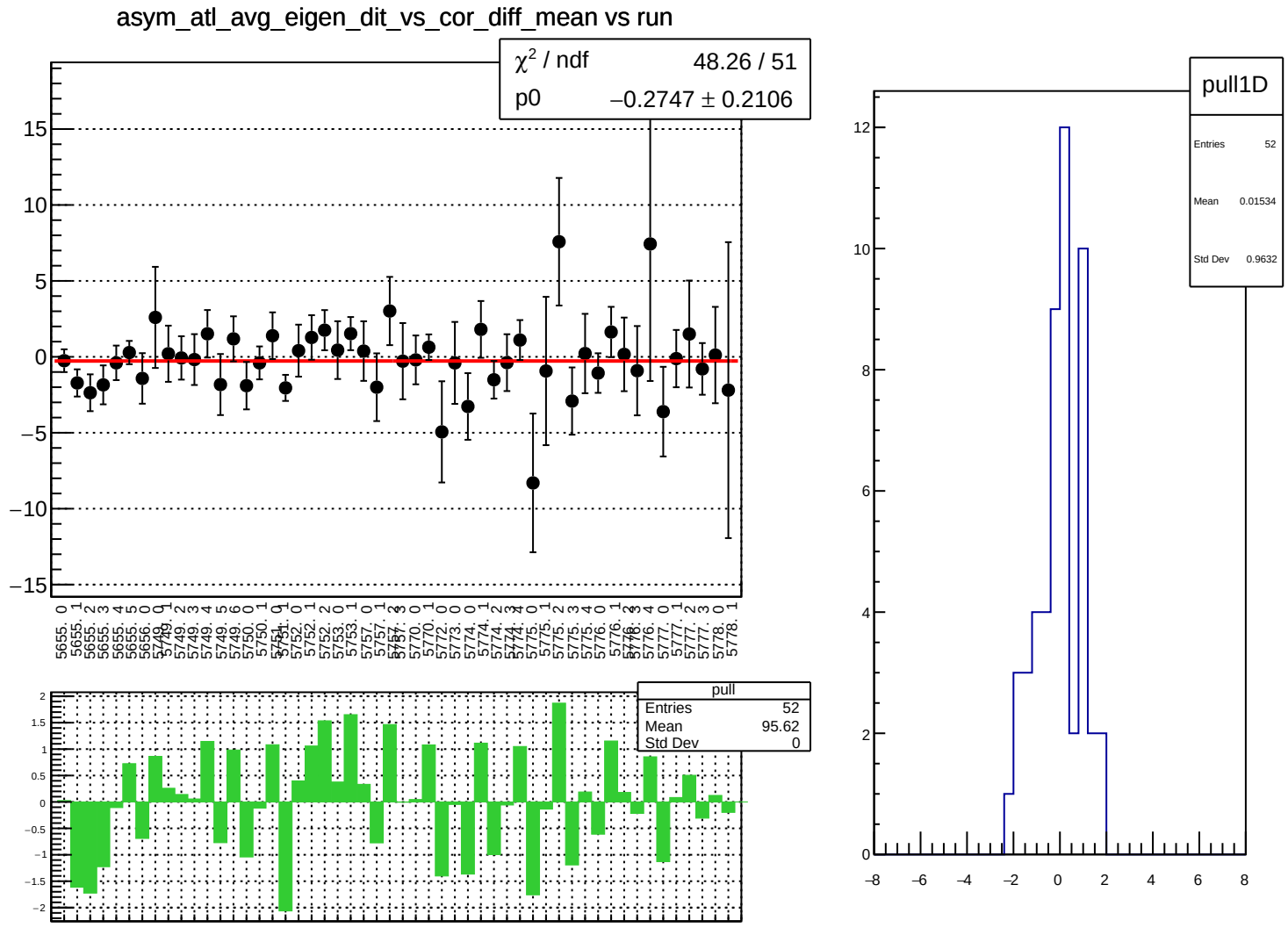

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.26 / 51
p0 −0.2747 ± 0.2106
pull
Entries 52
Mean 95.63
Std Dev 0
pull1D
Entries 52
Mean 0.01533
Std Dev 0.9632

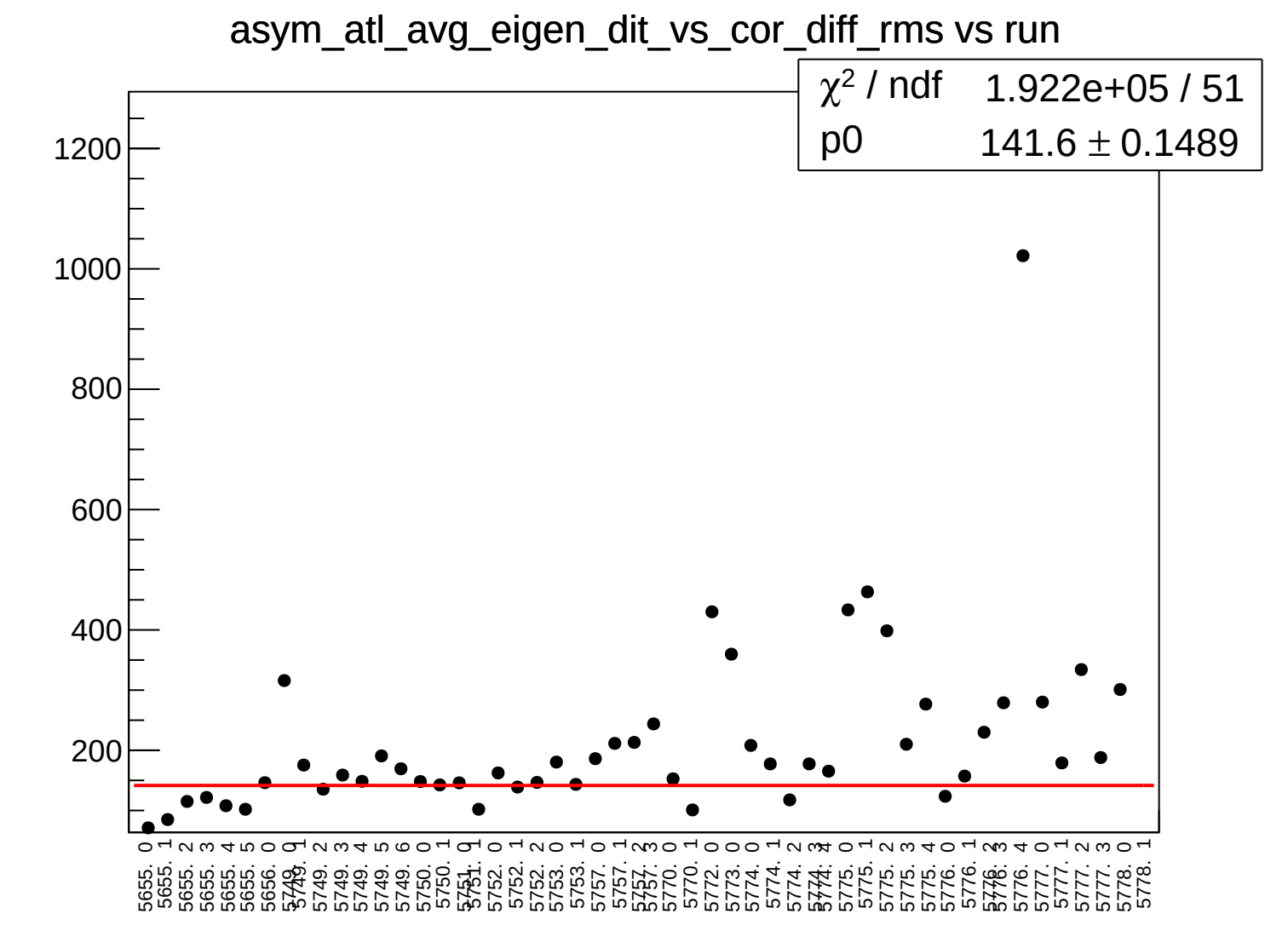

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.922e+05 / 51
p0 141.6 ± 0.1489
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

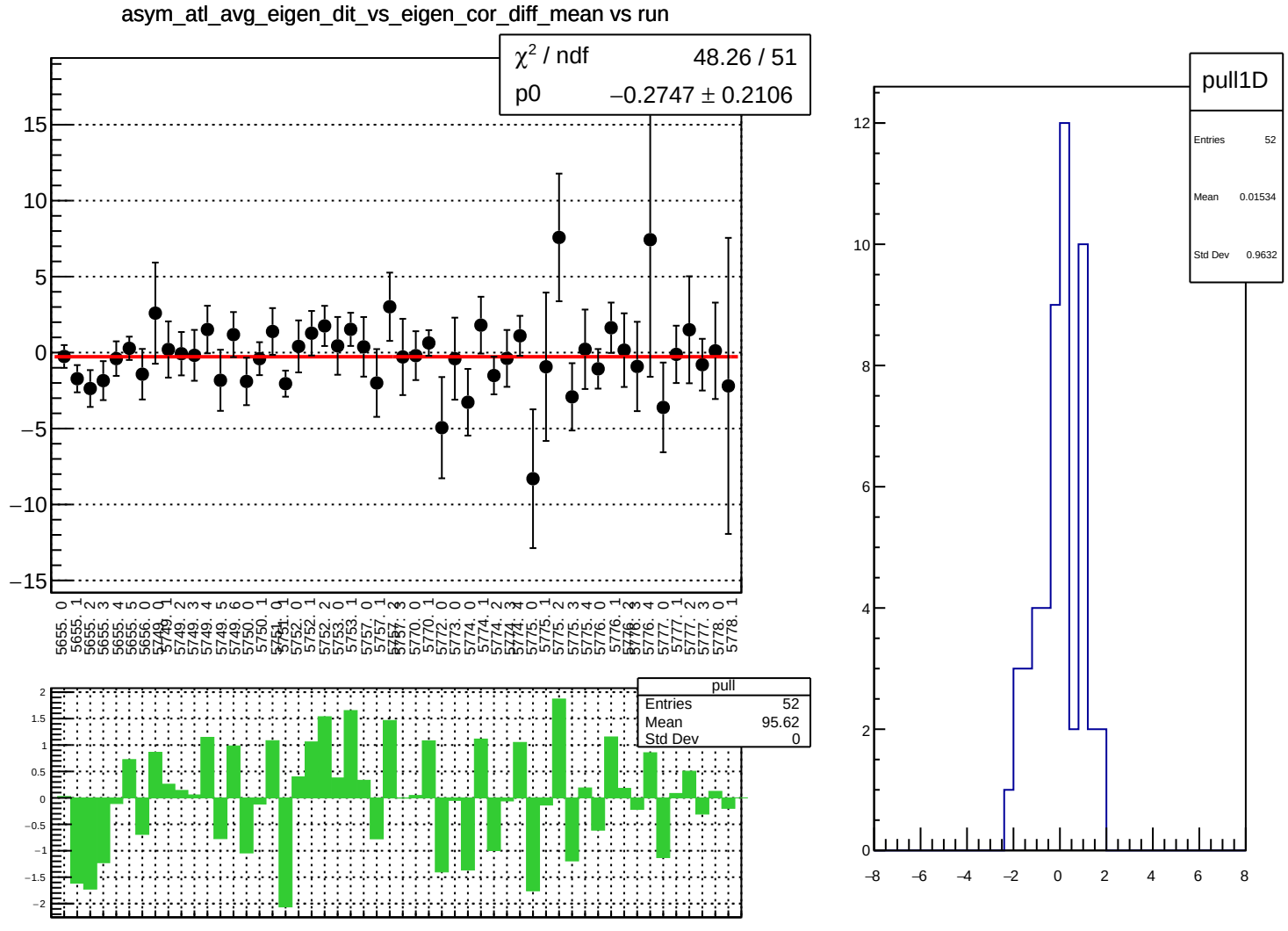

asym_atl_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 44.56 / 51
p0 −1.224e−06 ± 2.261e−05
pull
Entries 52
Mean 28.14
Std Dev 34.75

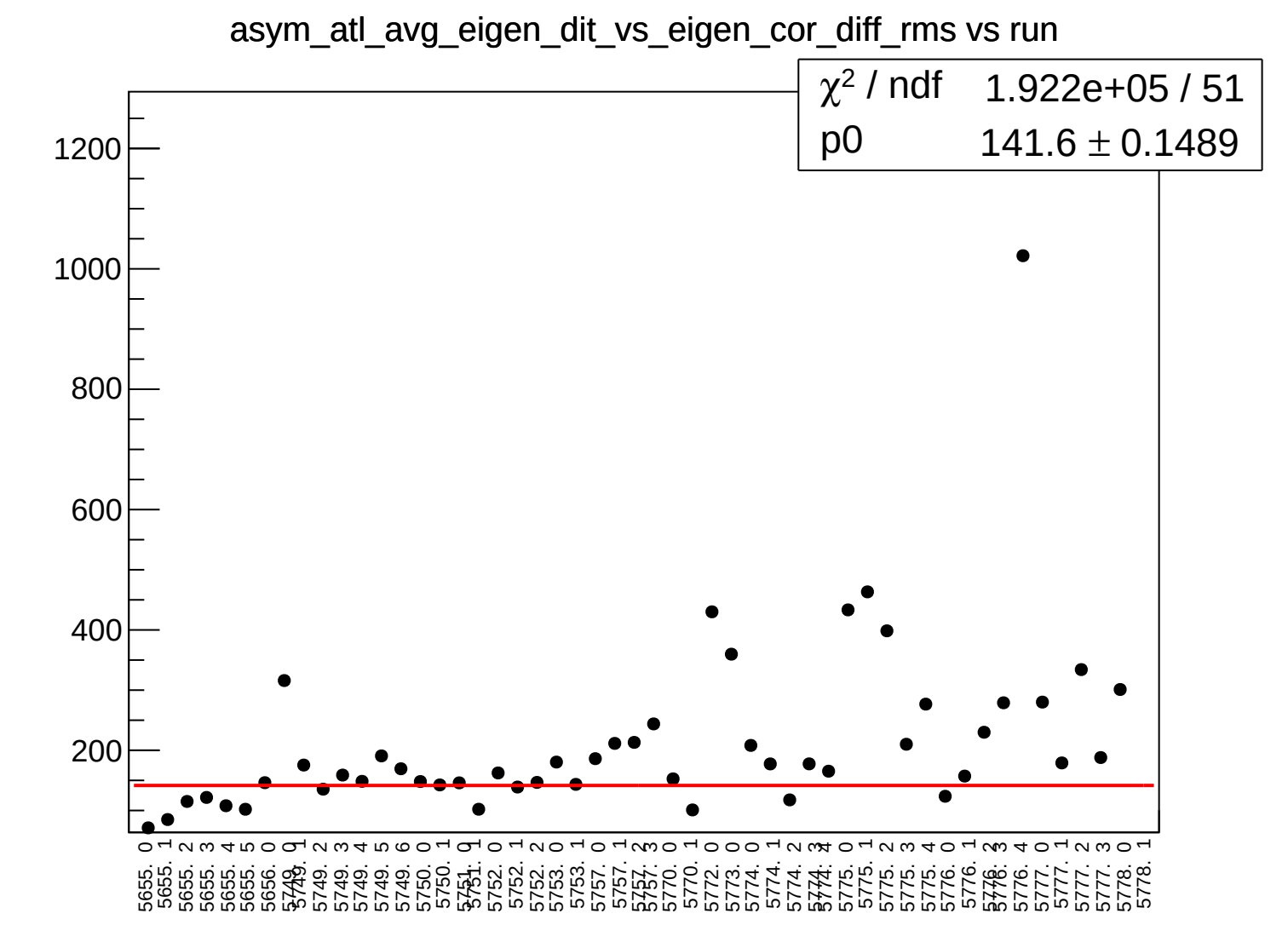

pull1D
Entries 52
Mean −0.02525
Std Dev 0.9254

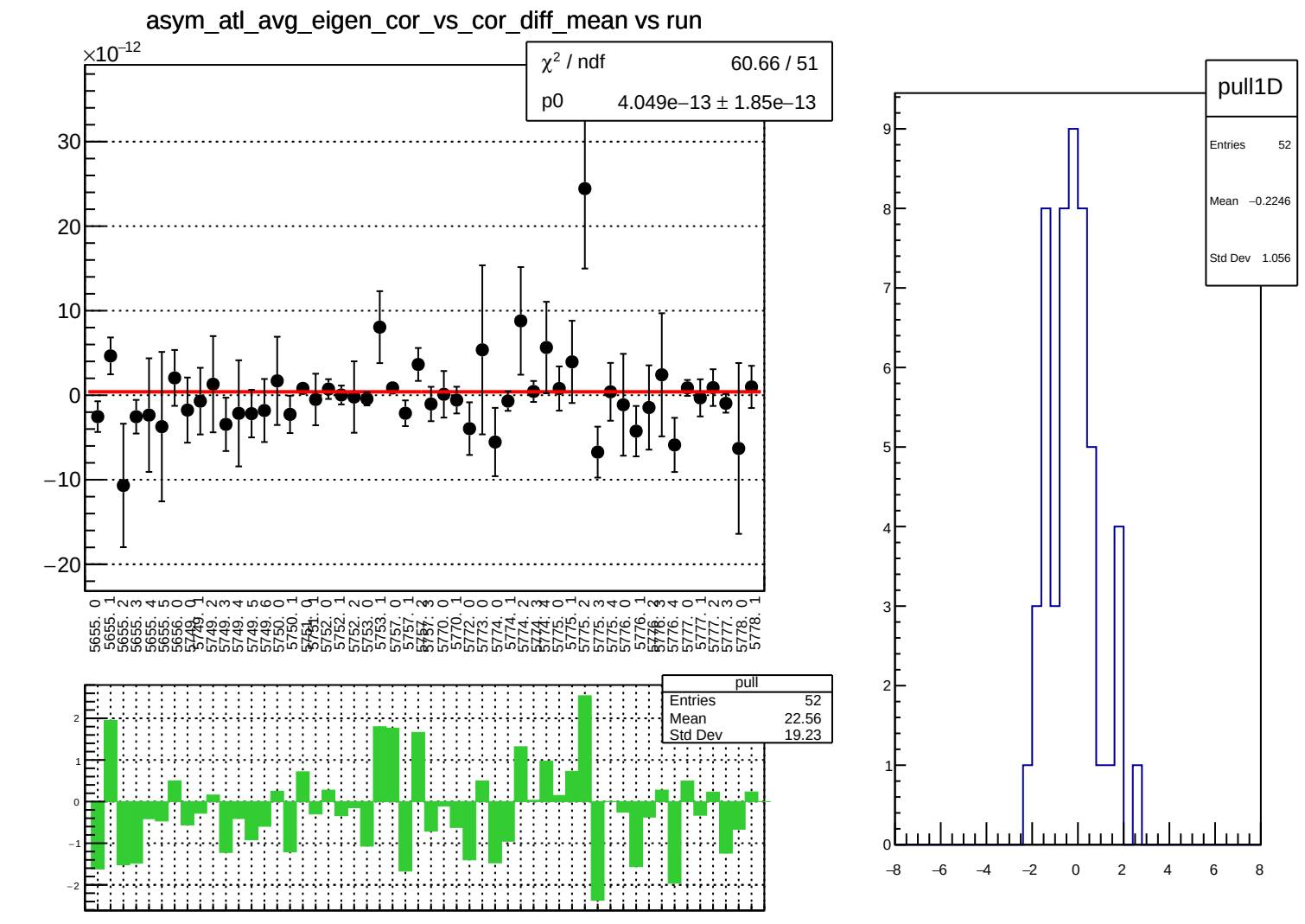

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6.345e+04 / 51
p0 0.01625 ± 1.599e−05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

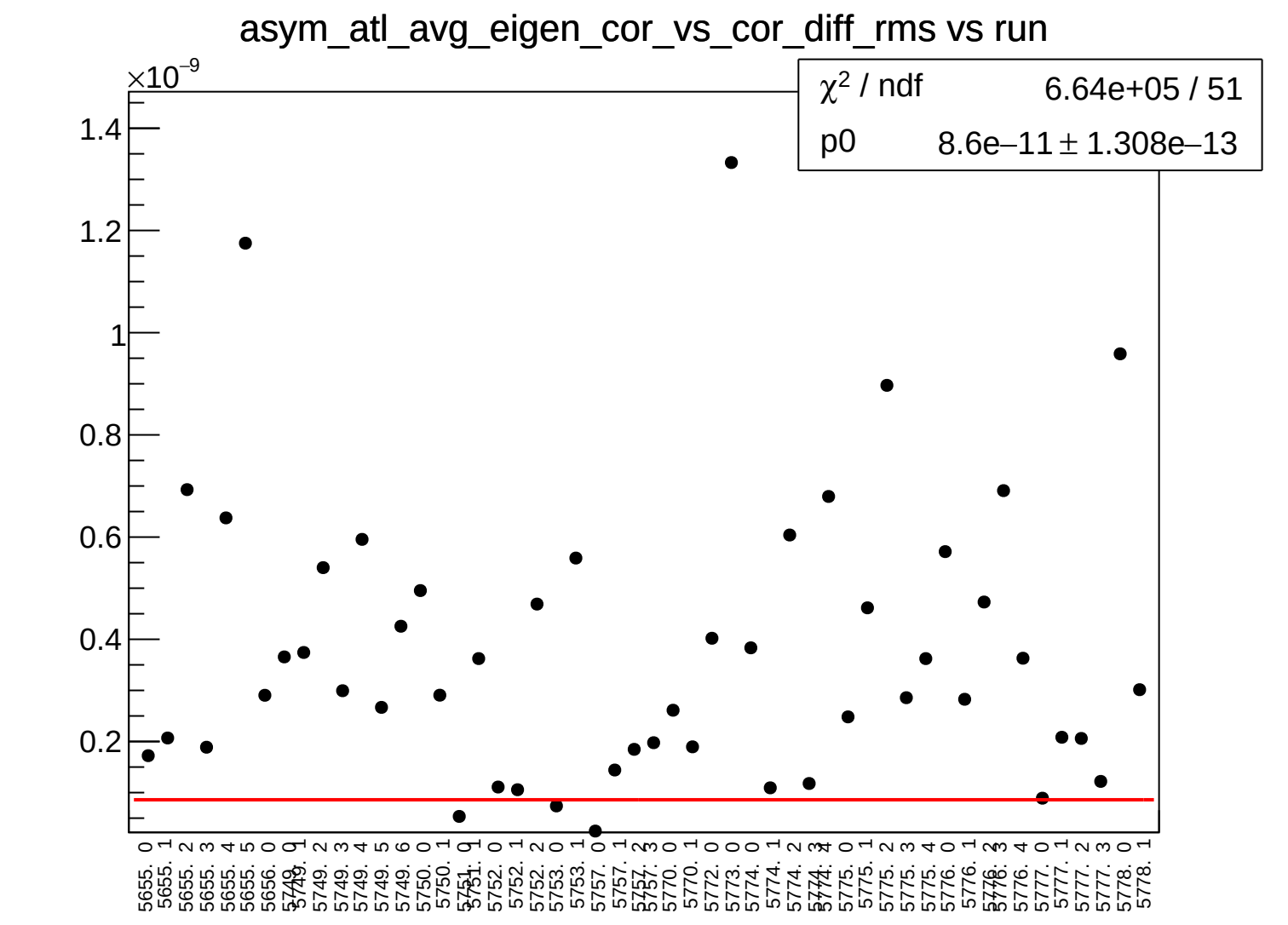

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.26 / 51
p0 −0.2747 ± 0.2106
pull
Entries 52
Mean 95.62
Std Dev 0
pull1D
Entries 52
Mean 0.01534
Std Dev 0.9632

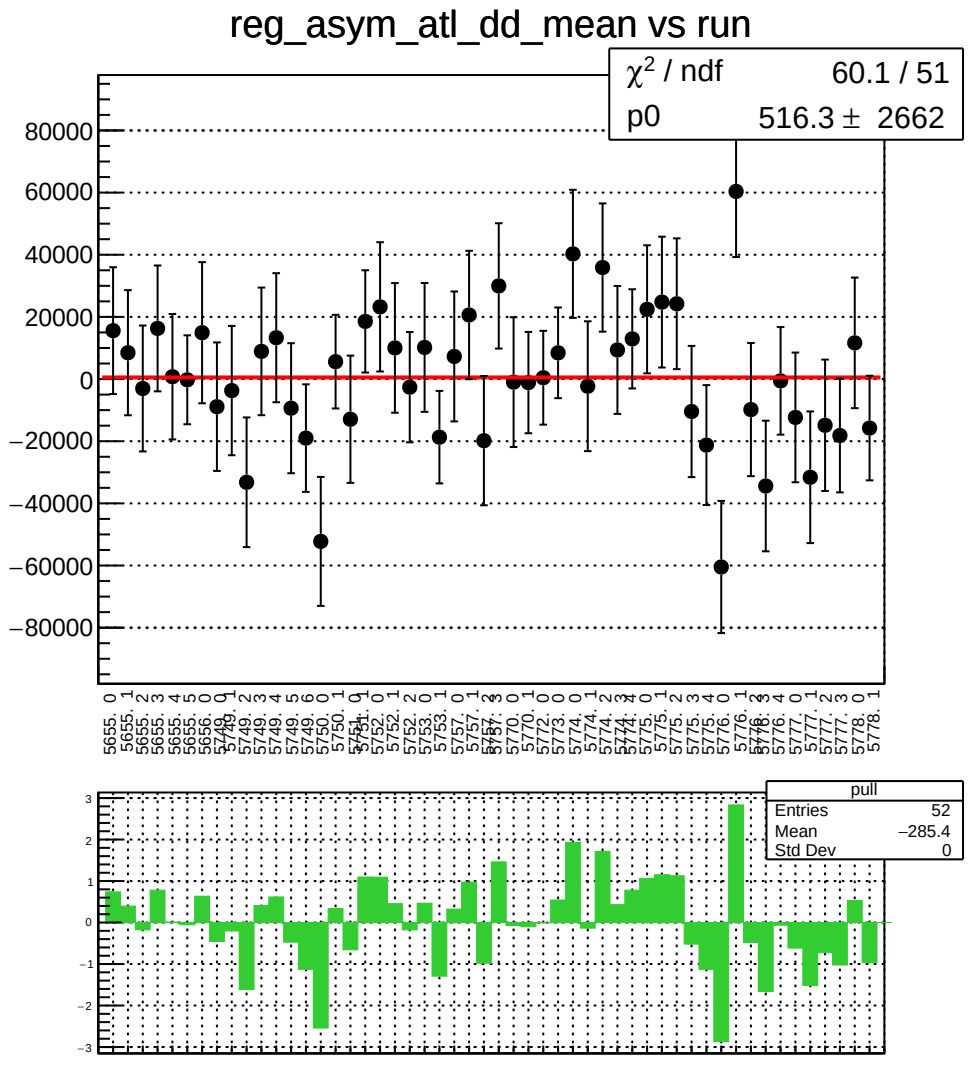

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.922e+05 / 51
p0 141.6 ± 0.1489
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

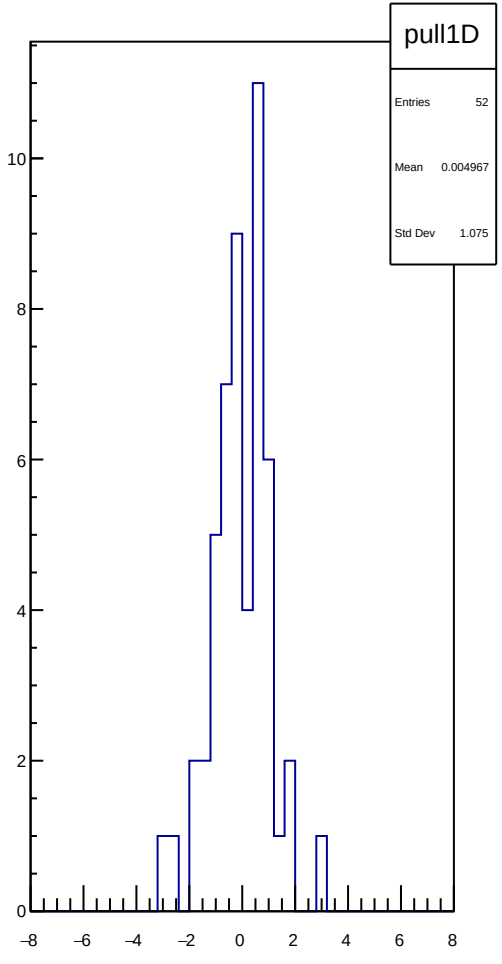

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.26 / 51
p0 −0.2747 ± 0.2106
pull
Entries 52
Mean 95.62
Std Dev 0
pull1D
Entries 52
Mean 0.01534
Std Dev 0.9632

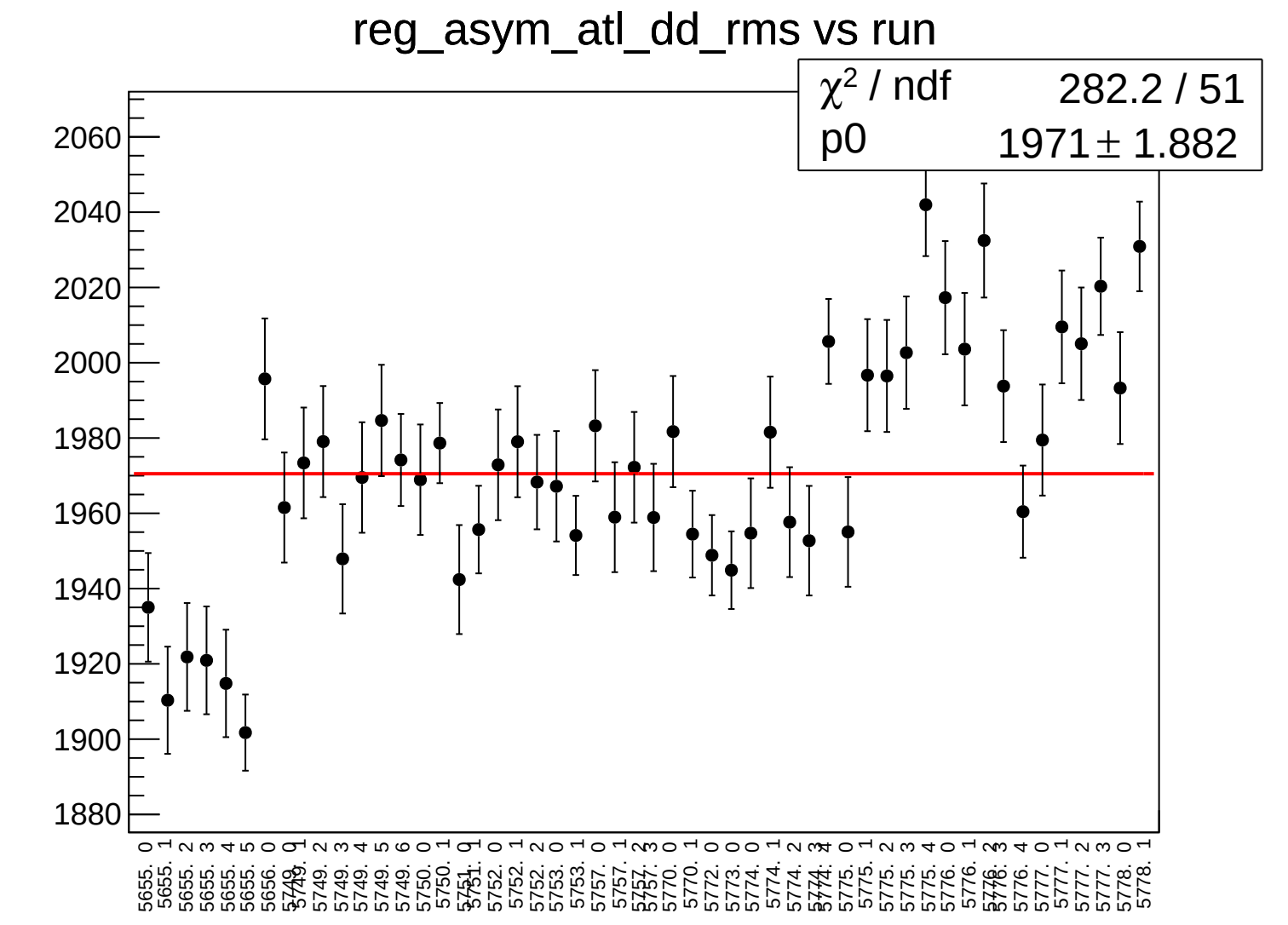

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.922e+05 / 51
p0 141.6 ± 0.1489
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

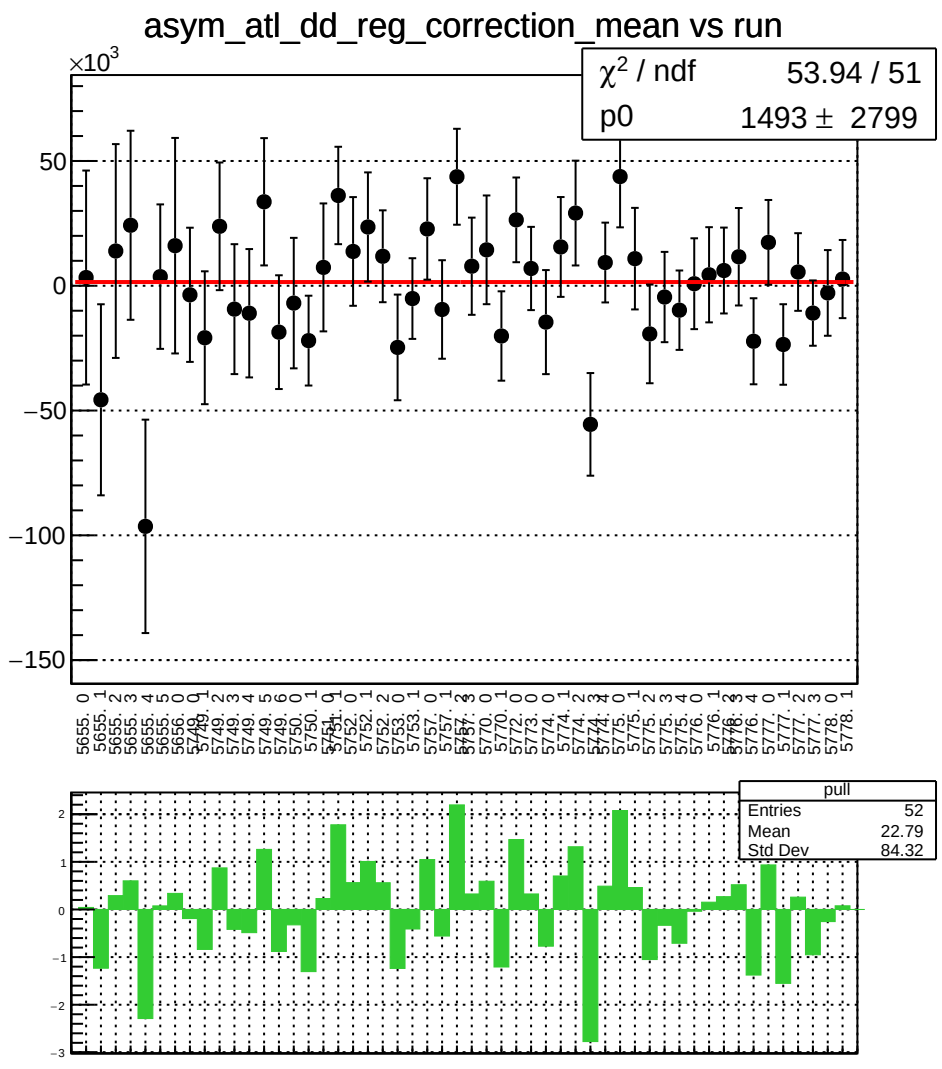

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 60.66 / 51
p0 4.049e−13 ± 1.85e−13
pull
Entries 52
Mean 22.56
Std Dev 19.23
pull1D
Entries 52
Mean −0.2246
Std Dev 1.056

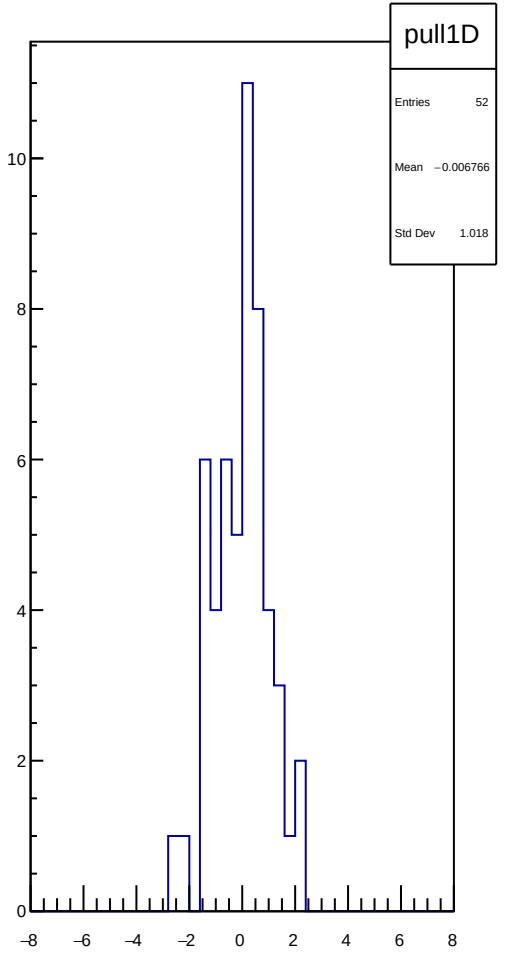

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.64e+05 / 51
p0 8.6e−11 ± 1.308e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

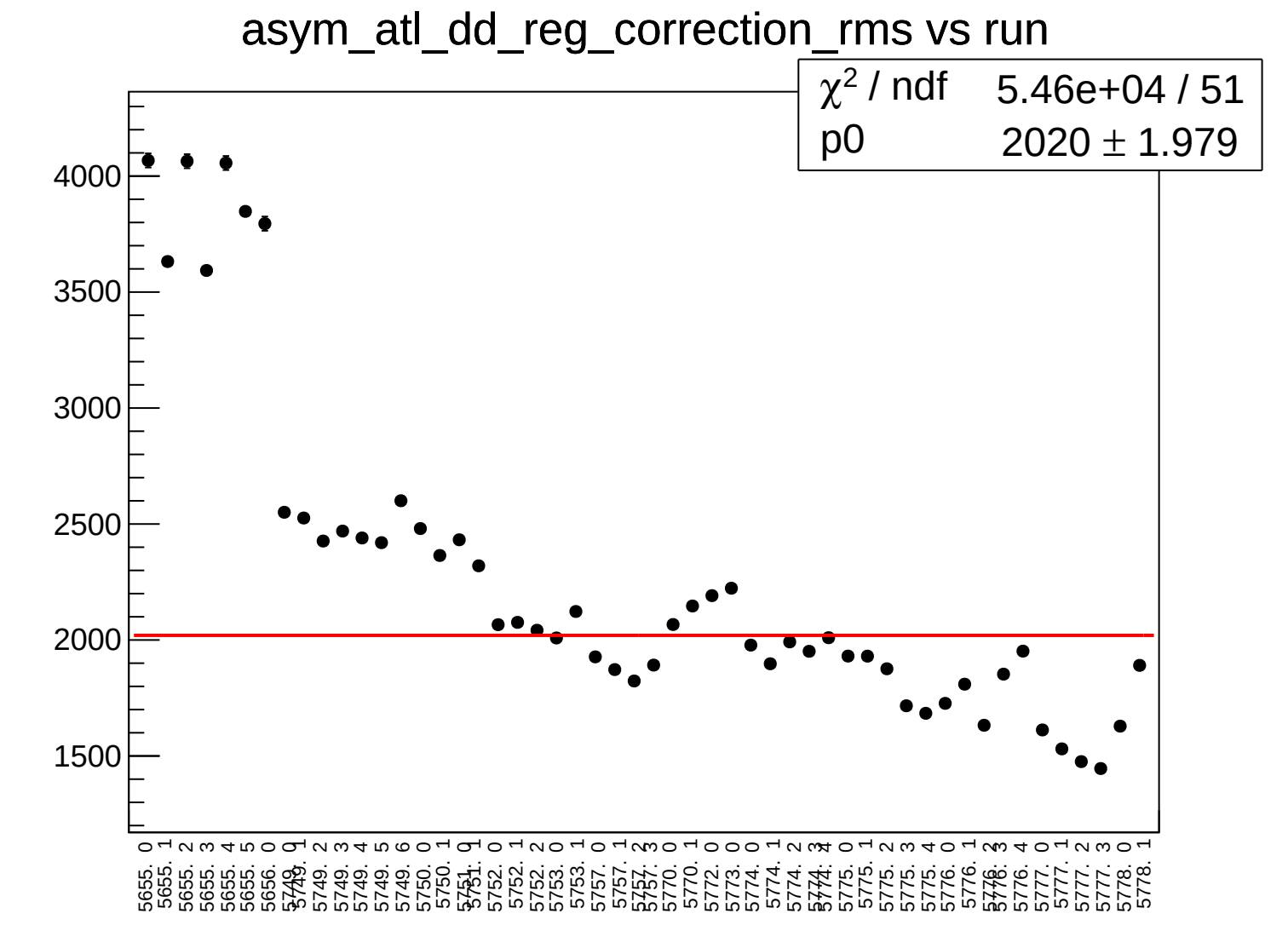

reg_asym_atl_dd_mean vs run
χ² / ndf 60.1 / 51
p0 516.3 ± 2662
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean −285.4
Std Dev 0
3
2
1
0
−1
−2
−3

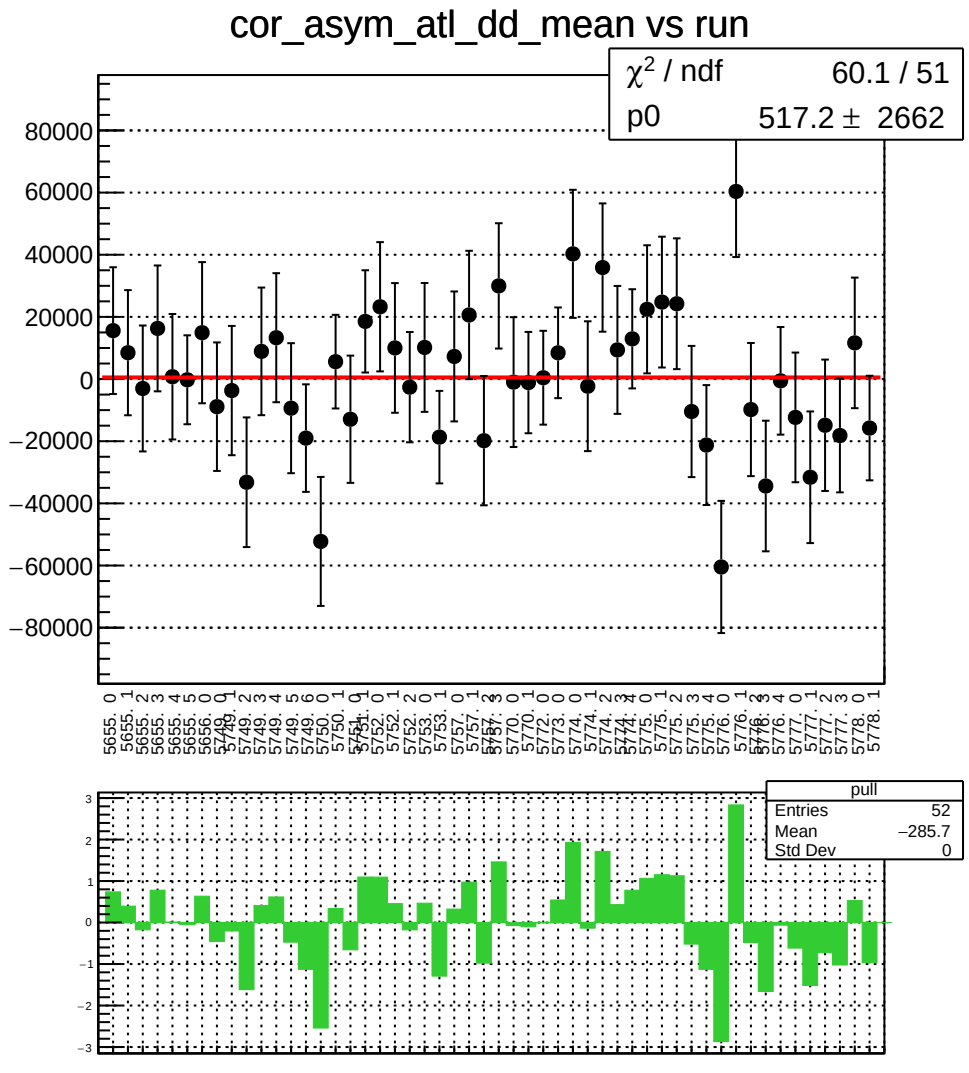

pull1D
Entries 52
Mean 0.004967
Std Dev 1.075
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

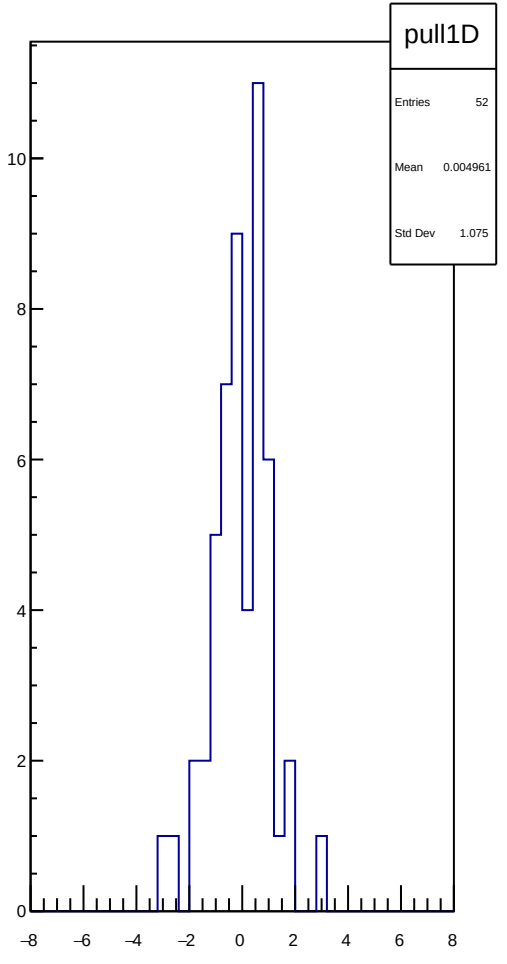

reg_asym_atl_dd_rms vs run
χ² / ndf 282.2 / 51
p0 1971 ± 1.882
2060
2040
2020
2000
1980
1960
1940
1920
1900
1880
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

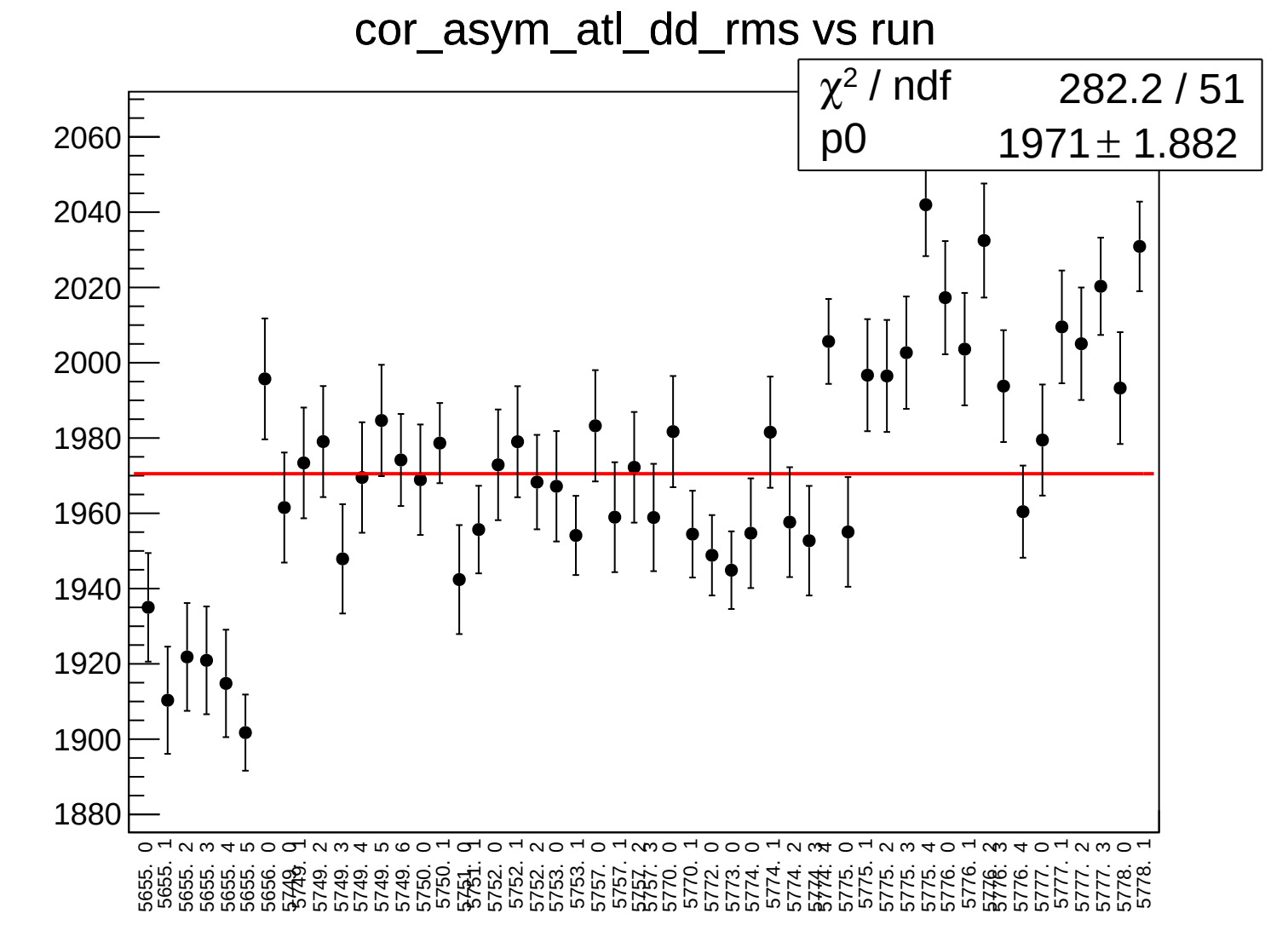

asym_atl_dd_reg_correction_mean vs run
×10^3
χ² / ndf 53.94 / 51
p0 1493 ± 2799
50
0
−50
−100
−150
pull
Entries 52
Mean 22.79
Std Dev 84.32
2
1
0
−1
−2
−3

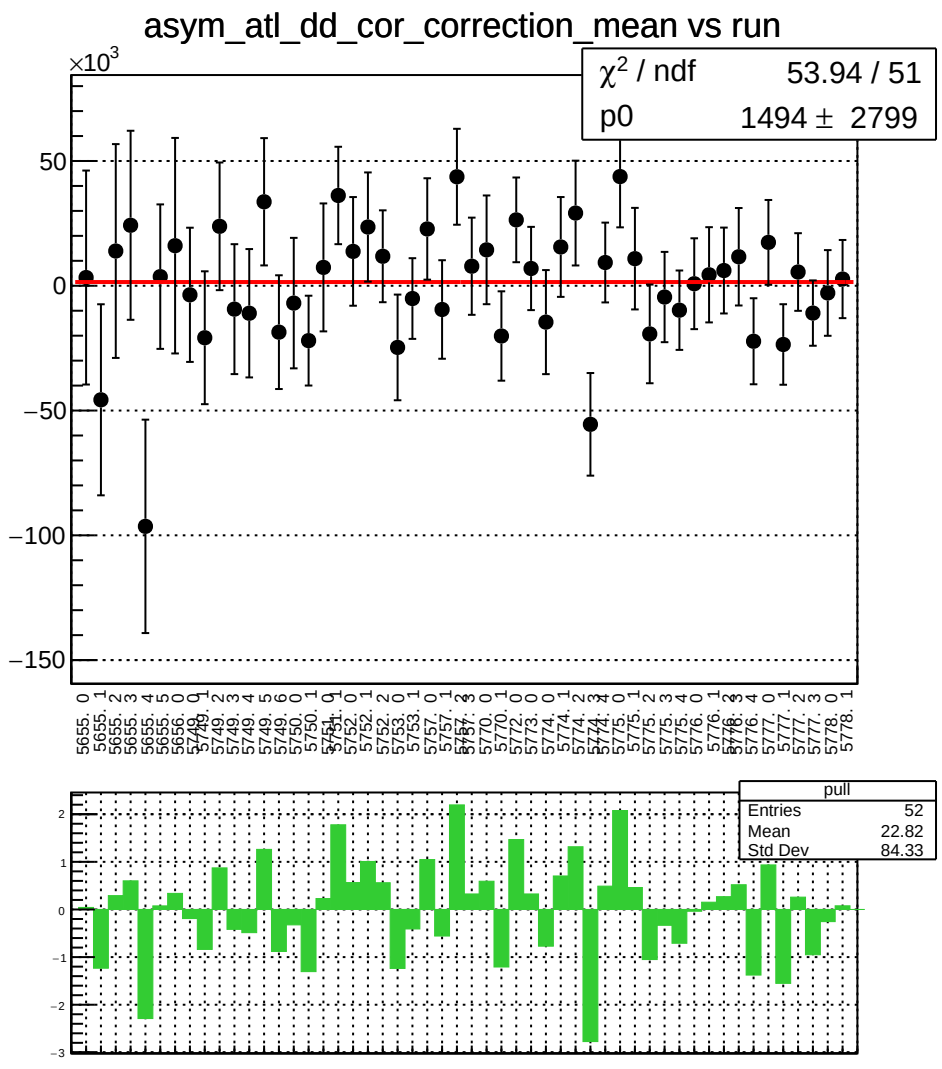

pull1D
Entries 52
Mean −0.006766
Std Dev 1.018
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

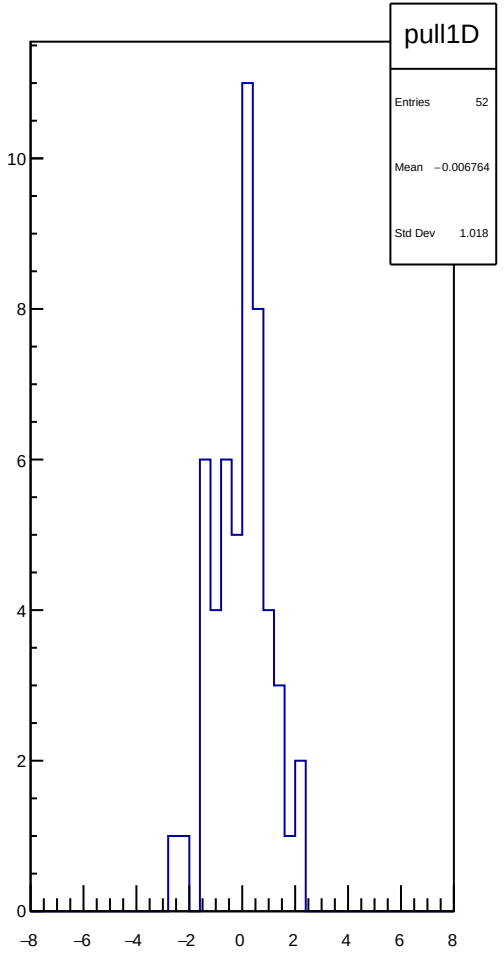

asym_atl_dd_reg_correction_rms vs run
χ² / ndf 5.46e+04 / 51
p0 2020 ± 1.979
4000
3500
3000
2500
2000
1500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

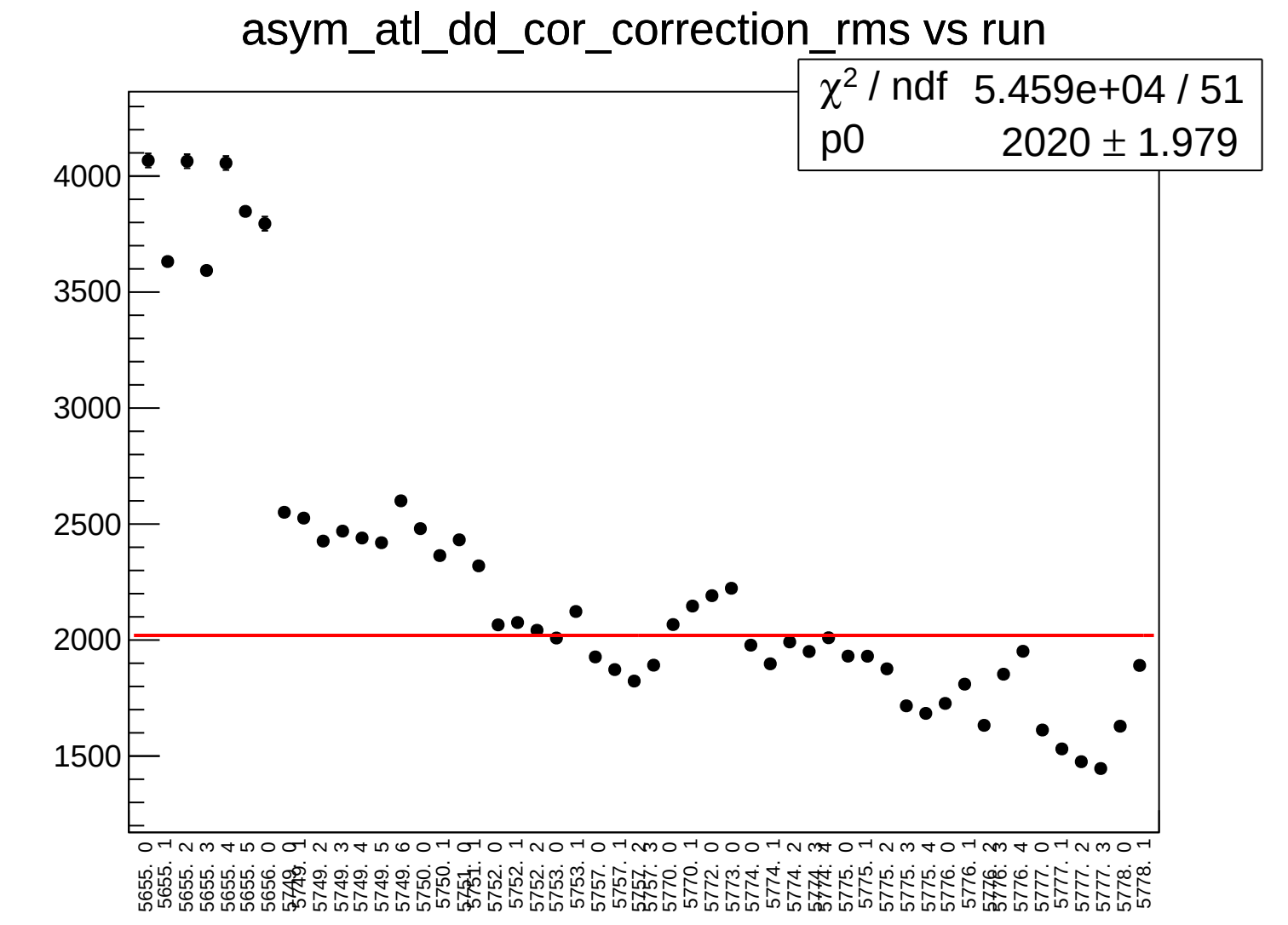

cor_asym_atl_dd_mean vs run
χ² / ndf 60.1 / 51
p0 517.2 ± 2662
pull
Entries 52
Mean −285.7
Std Dev 0

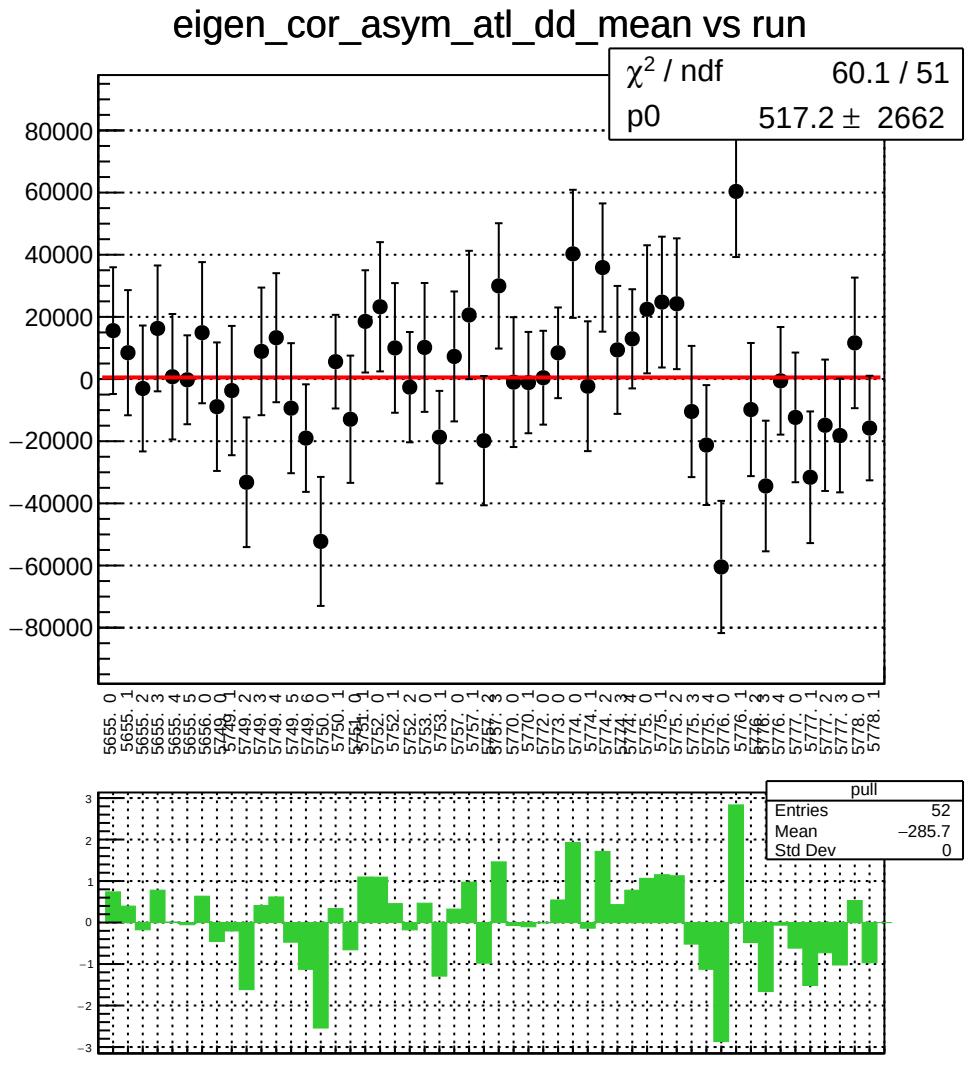

pull1D
Entries 52
Mean 0.004961
Std Dev 1.075

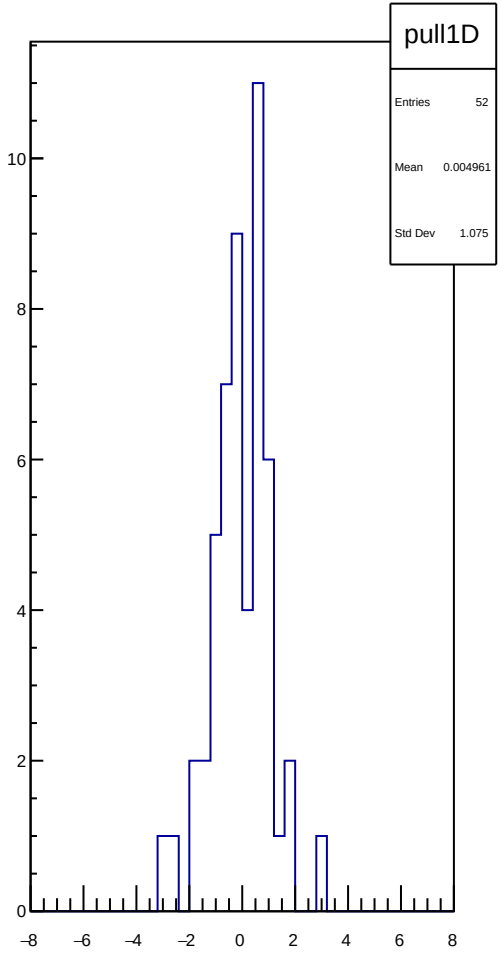

cor_asym_atl_dd_rms vs run
χ² / ndf 282.2 / 51
p0 1971 ± 1.882
2060
2040
2020
2000
1980
1960
1940
1920
1900
1880
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

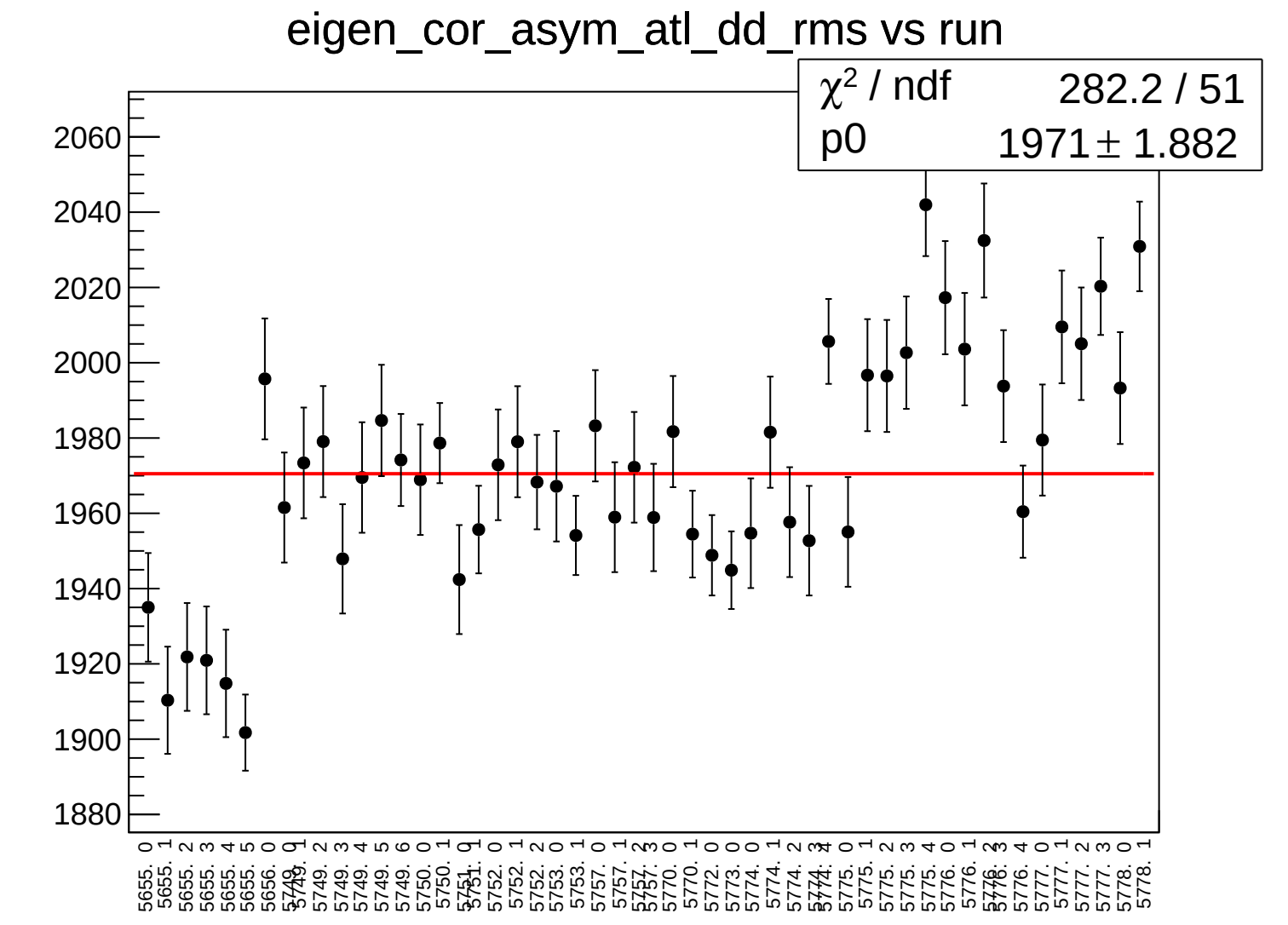

asym_atl_dd_cor_correction_mean vs run
χ² / ndf 53.94 / 51
p0 1494 ± 2799
pull
Entries 52
Mean 22.82
Std Dev 84.33

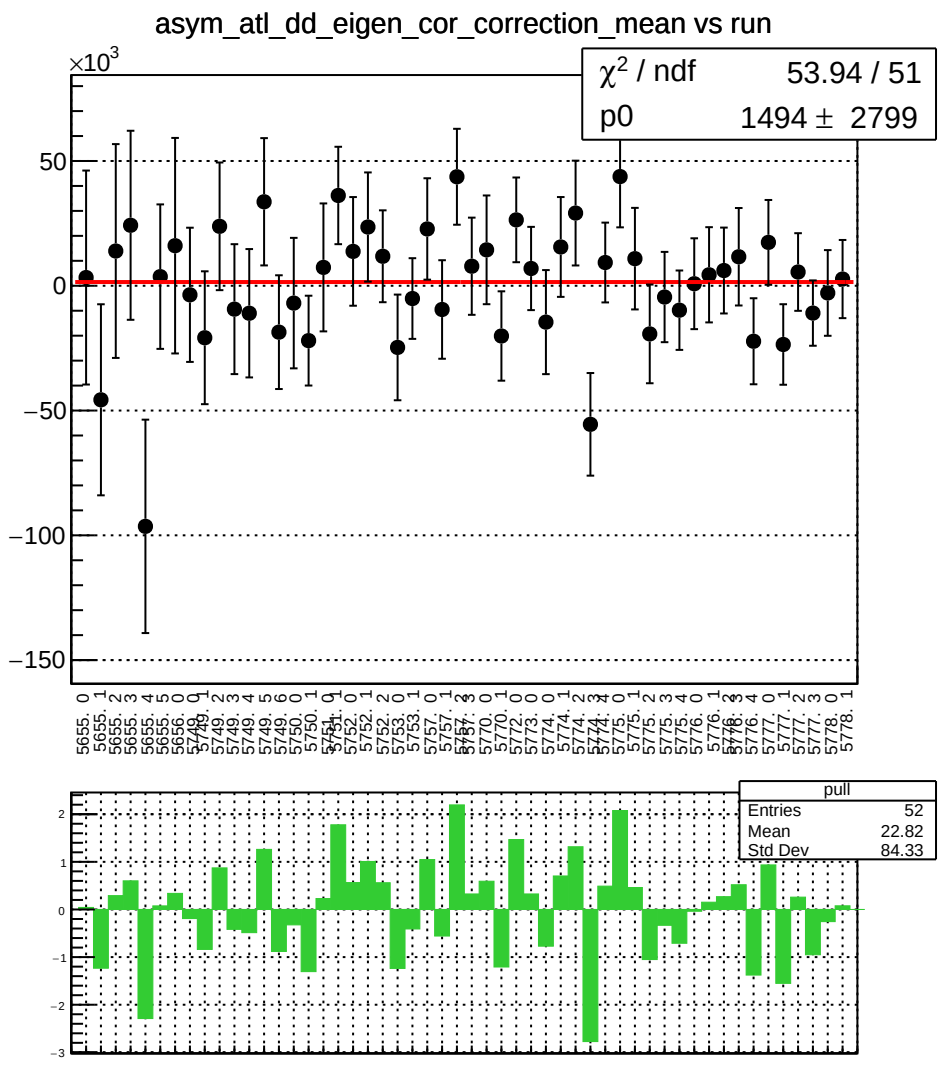

pull1D
Entries 52
Mean −0.006764
Std Dev 1.018

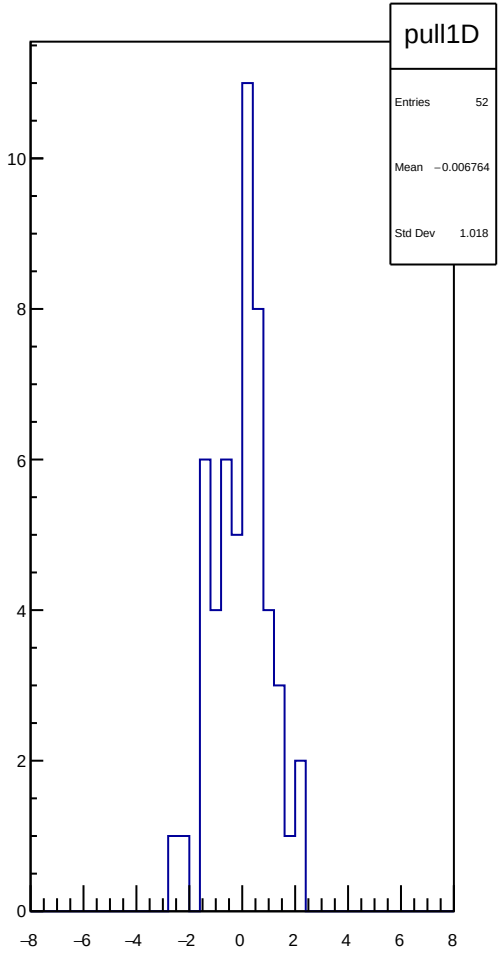

asym_atl_dd_cor_correction_rms vs run
χ² / ndf 5.459e+04 / 51
p0 2020 ± 1.979
4000
3500
3000
2500
2000
1500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

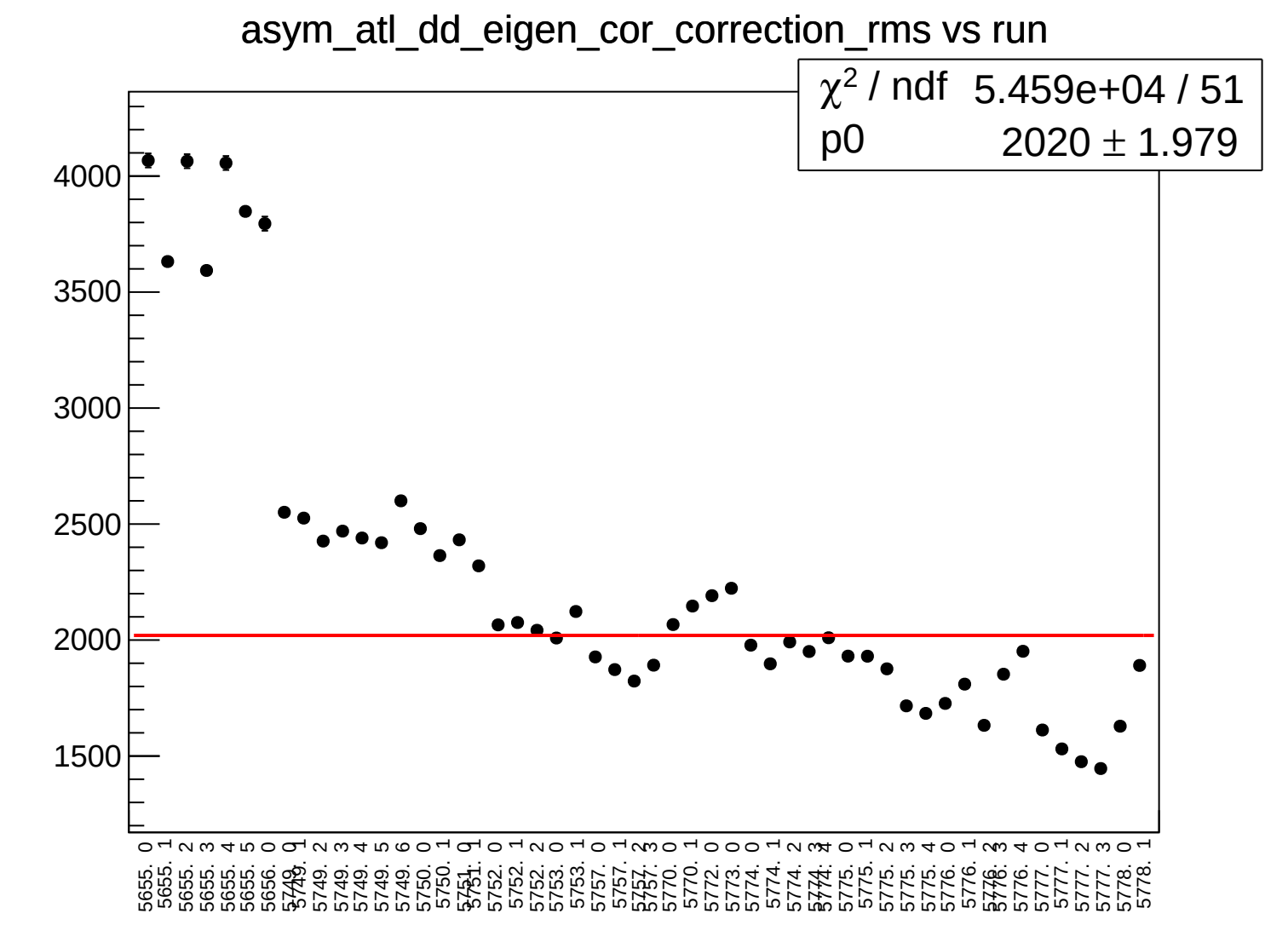

eigen_cor_asym_atl_dd_mean vs run
χ² / ndf 60.1 / 51
p0 517.2 ± 2662
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean −285.7
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean 0.004961
Std Dev 1.075
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atl_dd_rms vs run
χ² / ndf 282.2 / 51
p0 1971 ± 1.882
2060
2040
2020
2000
1980
1960
1940
1920
1900
1880
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 53.94 / 51
p0 1494 ± 2799
50
0
−50
−100
−150
pull
Entries 52
Mean 22.82
Std Dev 84.33
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.006764
Std Dev 1.018
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 5.459e+04 / 51
p0 2020 ± 1.979
4000
3500
3000
2500
2000
1500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
5777. 0
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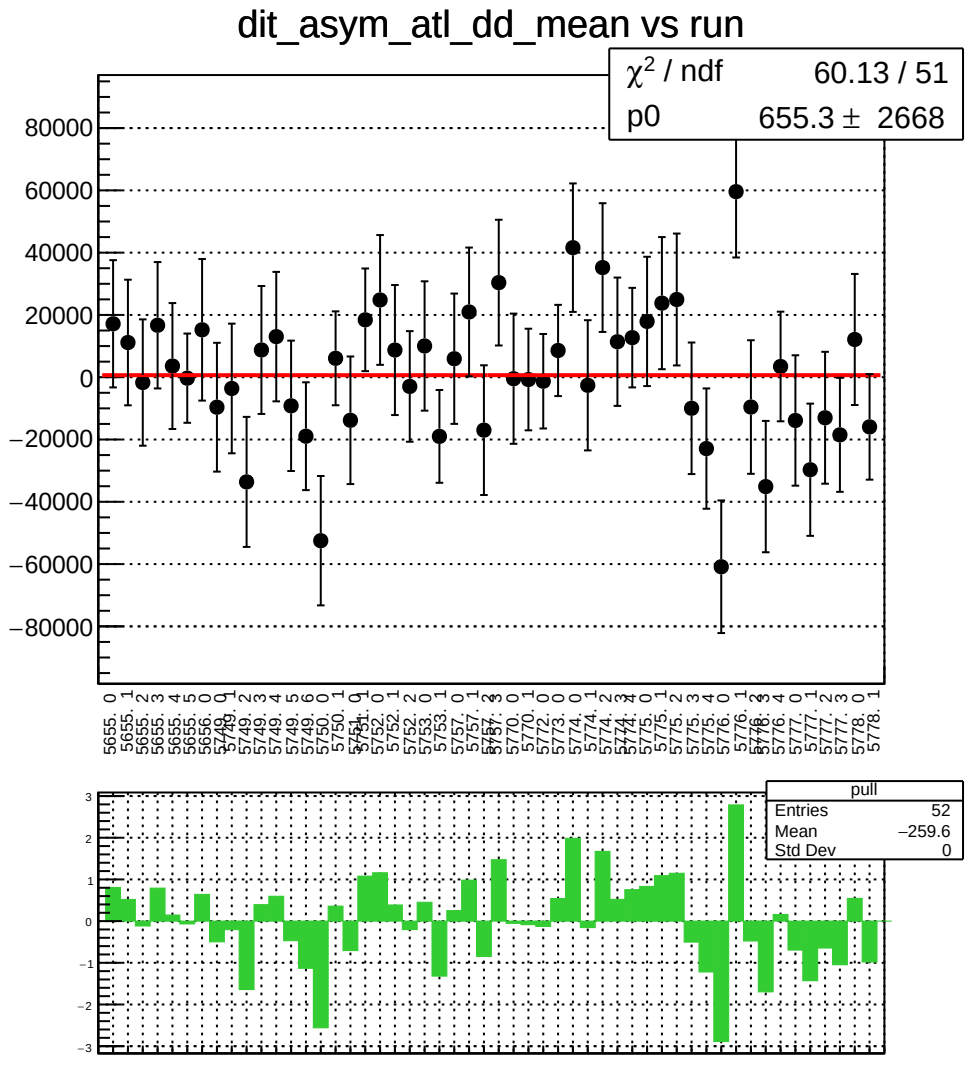
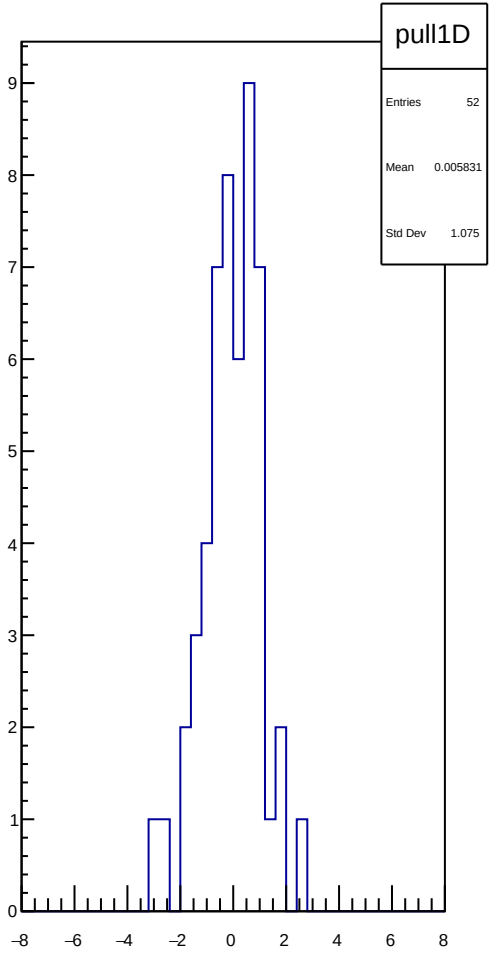
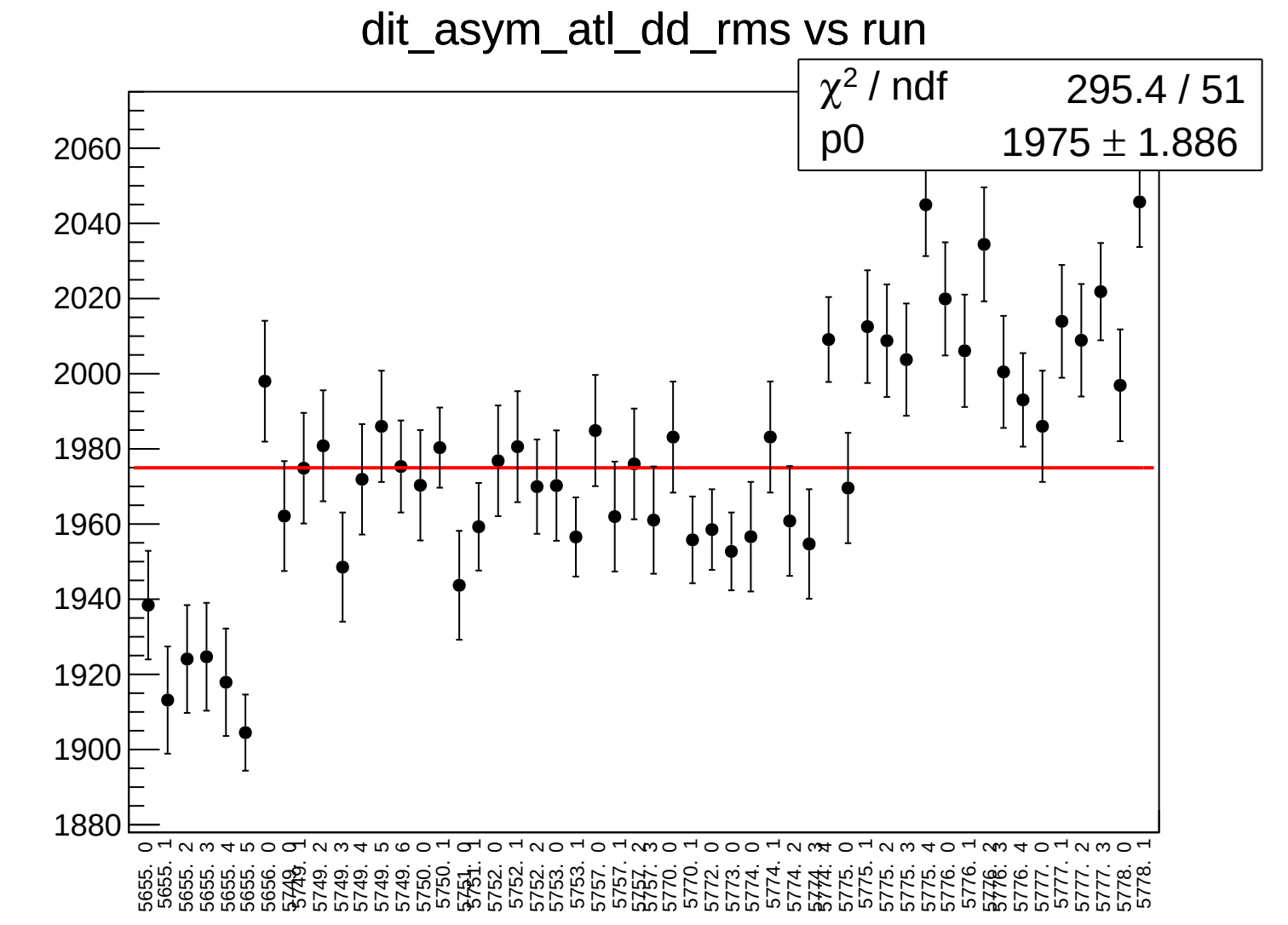
5777. 2
5777. 3
5778. 0
5778. 1


dit_asym_atl_dd_mean vs run
χ² / ndf 60.13 / 51
p0 655.3 ± 2668
pull
Entries 52
Mean −259.6
Std Dev 0


pull1D
Entries 52
Mean 0.005831
Std Dev 1.075


dit_asym_atl_dd_rms vs run
χ² / ndf 295.4 / 51
p0 1975 ± 1.886
2060
2040
2020
2000
1980
1960
1940
1920
1900
1880
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5749. 6
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5751. 1
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5752. 1
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5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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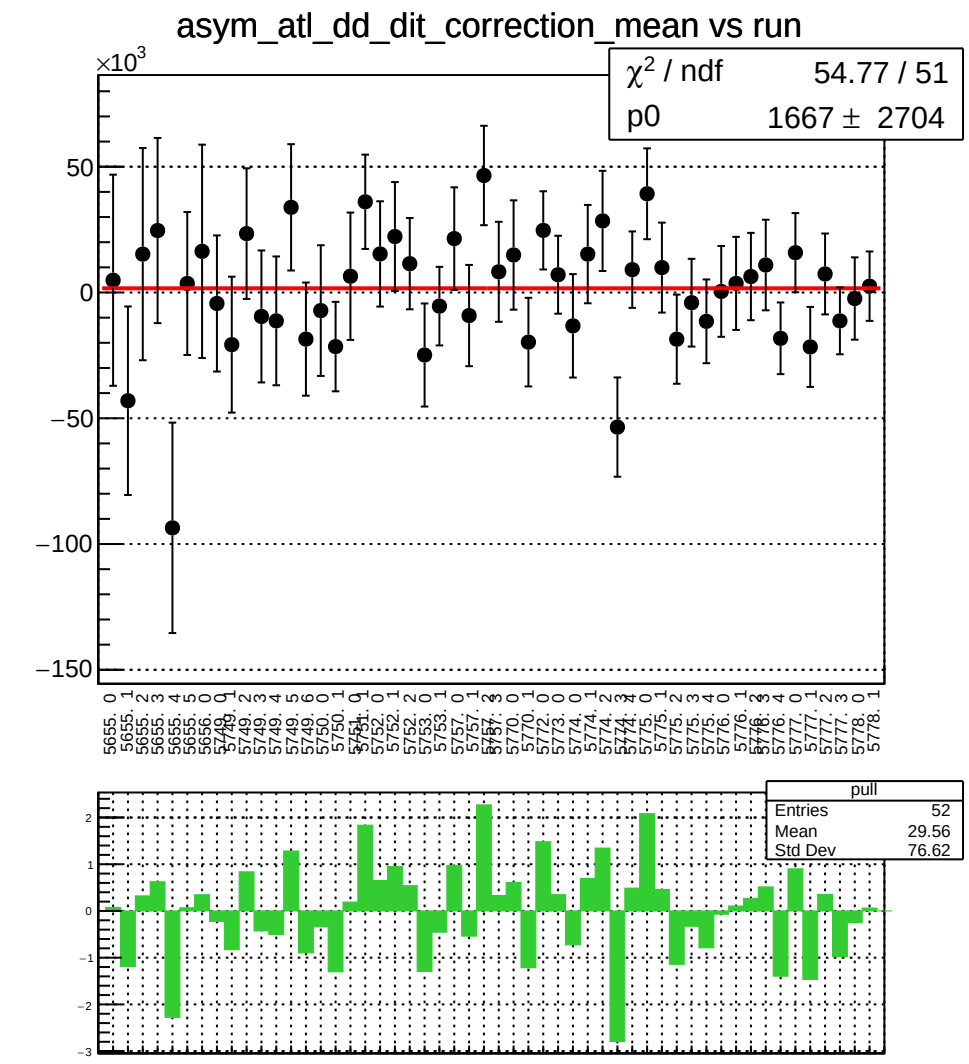
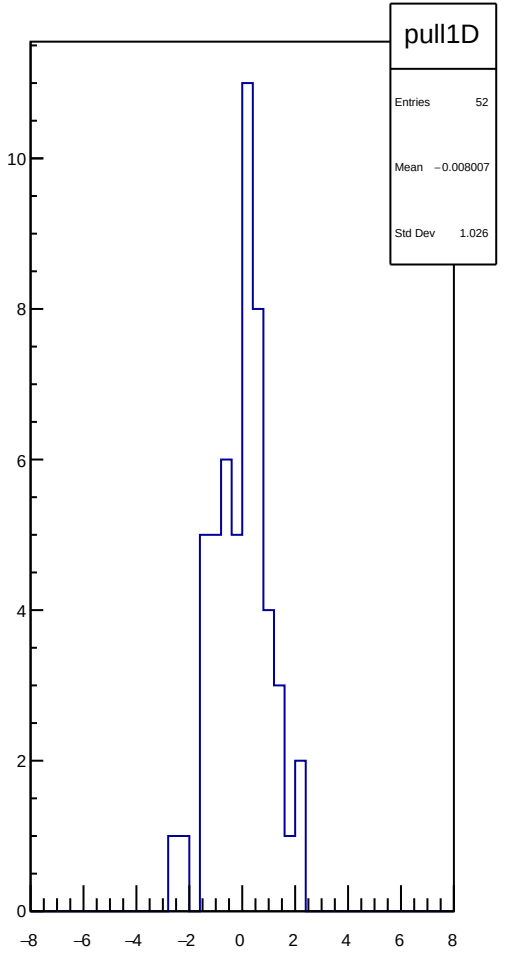
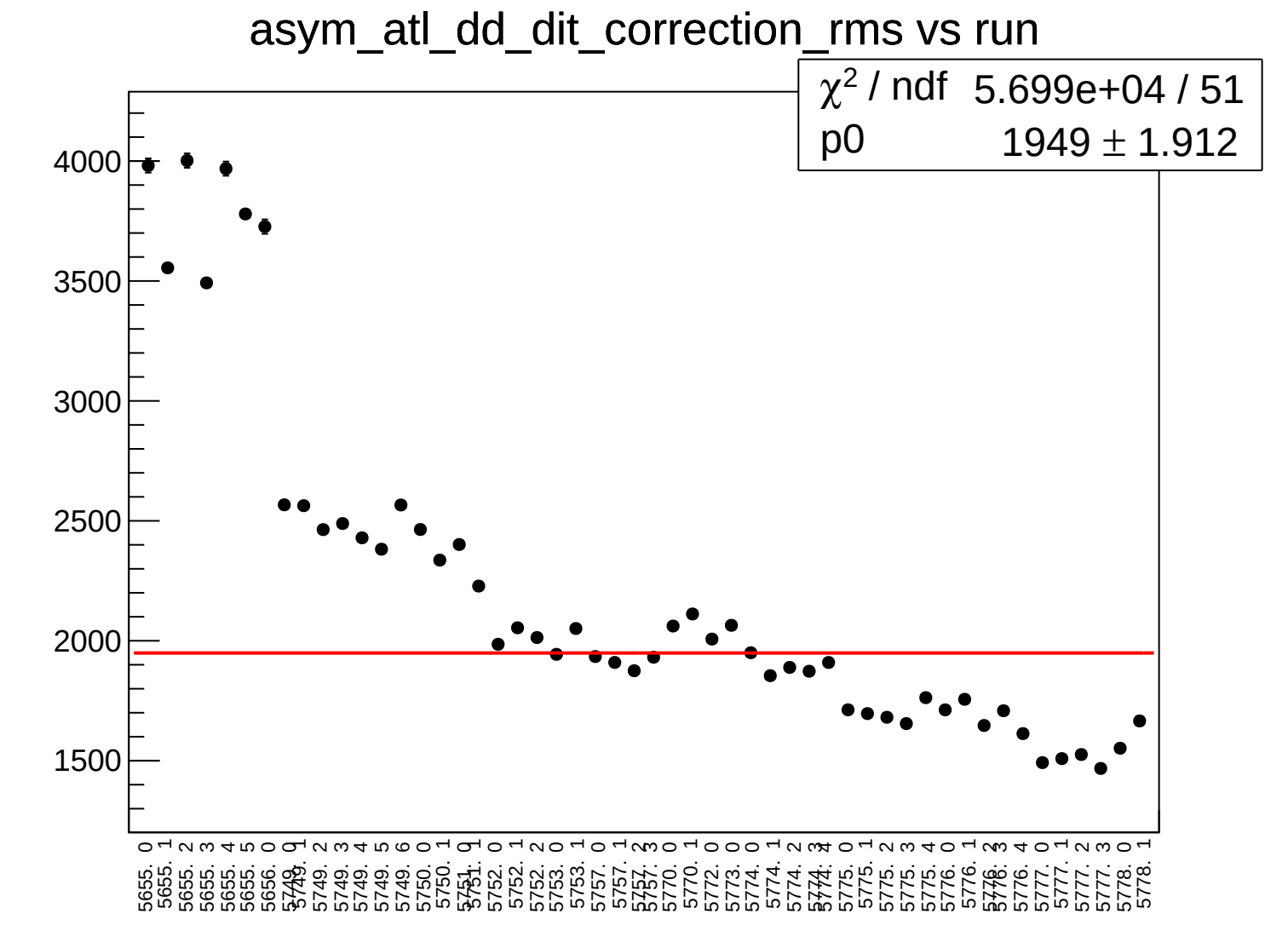
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 54.77 / 51
p0 1667 ± 2704
50
0
−50
−100
−150
pull
Entries 52
Mean 29.56
Std Dev 76.62
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.008007
Std Dev 1.026
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_dit_correction_rms vs run
χ^2 / ndf 5.699e+04 / 51
p0 1949 ± 1.912
4000
3500
3000
2500
2000
1500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5777. 2
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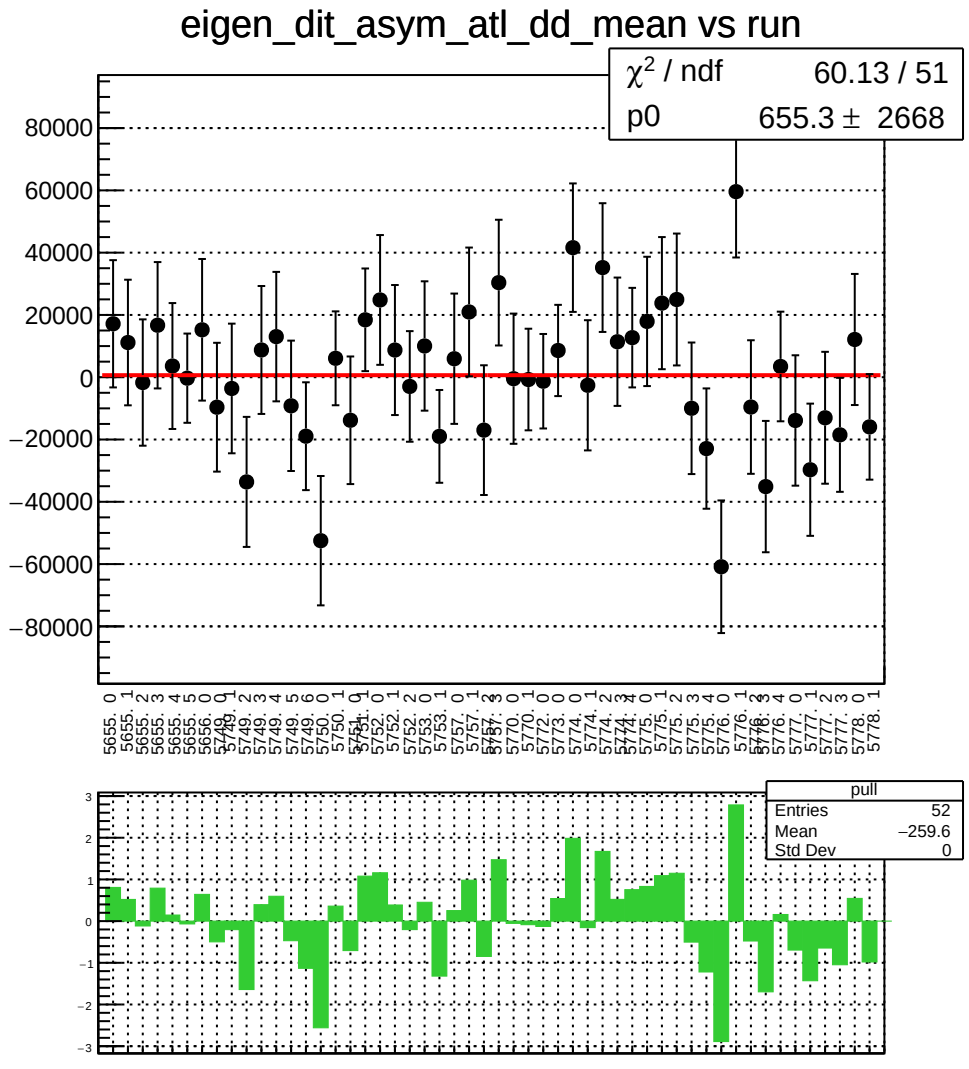
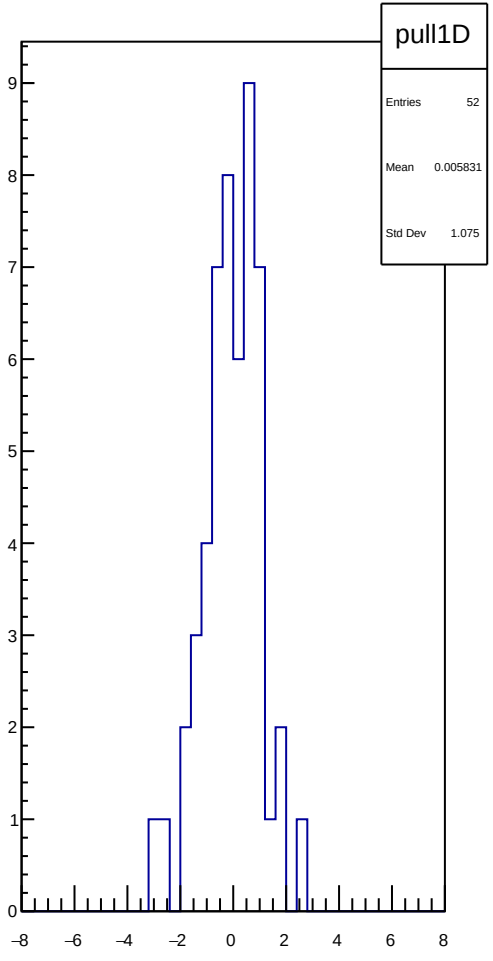
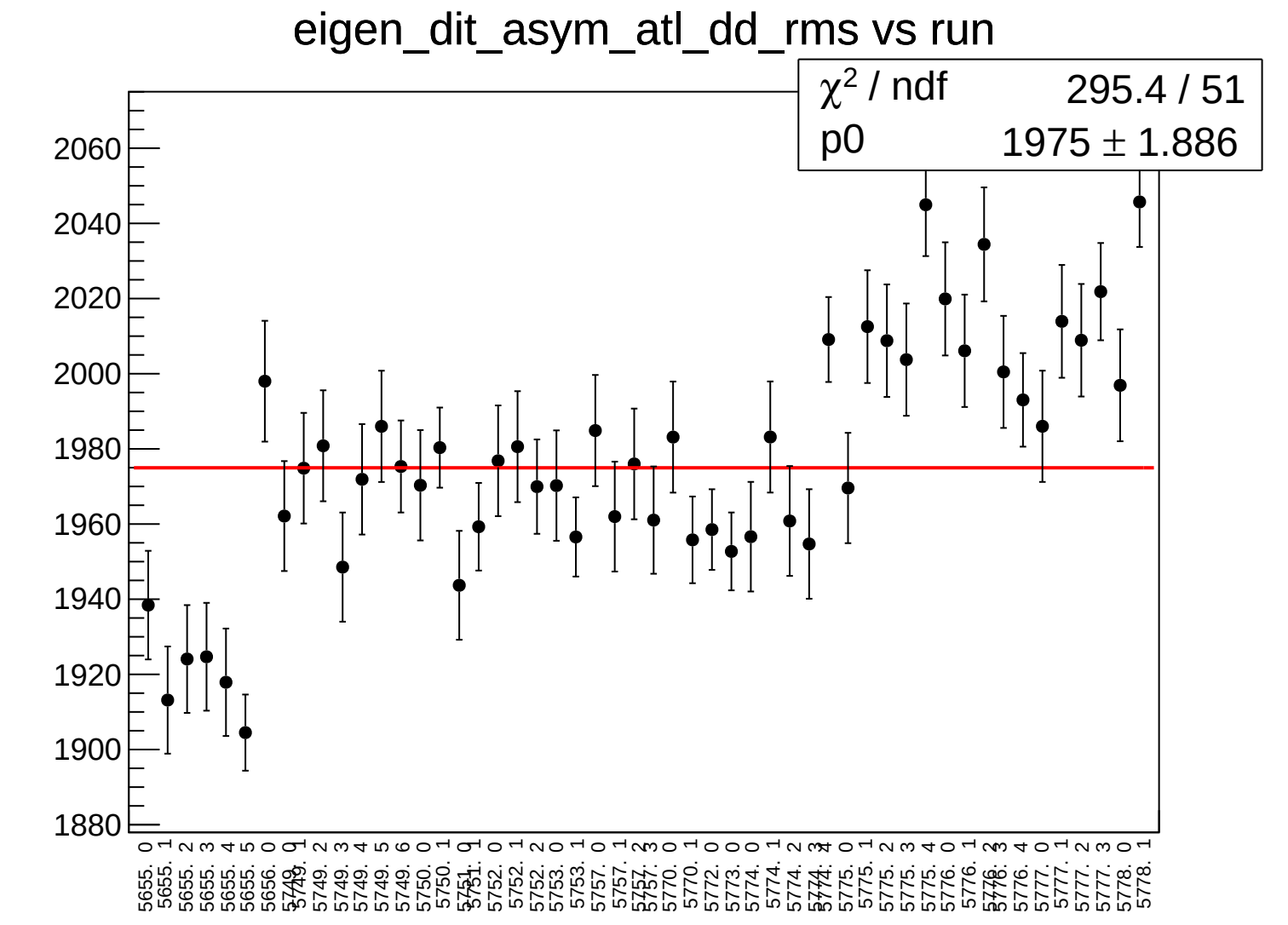
5778. 1


eigen_dit_asym_atl_dd_mean vs run
χ² / ndf 60.13 / 51
p0 655.3 ± 2668
pull
Entries 52
Mean −259.6
Std Dev 0


pull1D
Entries 52
Mean 0.005831
Std Dev 1.075


eigen_dit_asym_atl_dd_rms vs run
χ² / ndf 295.4 / 51
p0 1975 ± 1.886
2060
2040
2020
2000
1980
1960
1940
1920
1900
1880
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
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5749. 4
5749. 5
5749. 6
5750. 0
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5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
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5775. 2
5775. 3
5775. 4
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5776. 1
5776. 4
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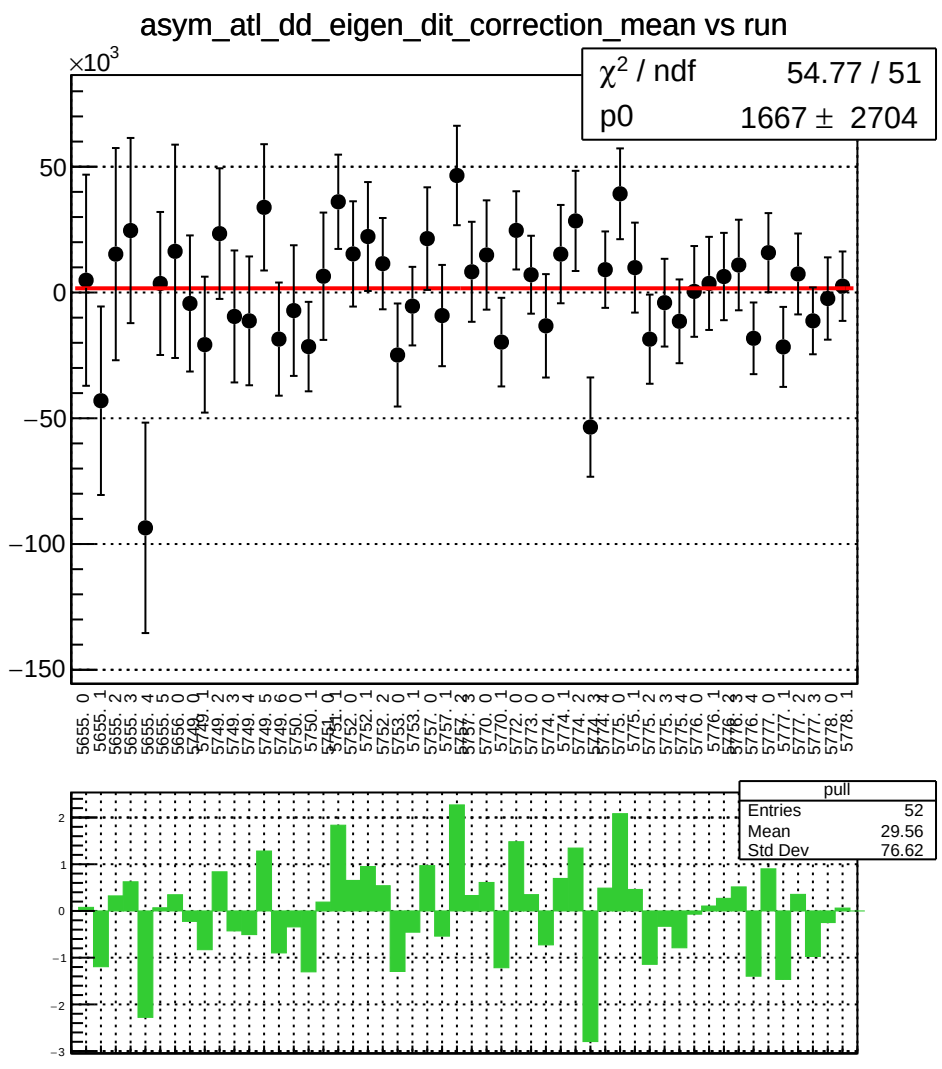
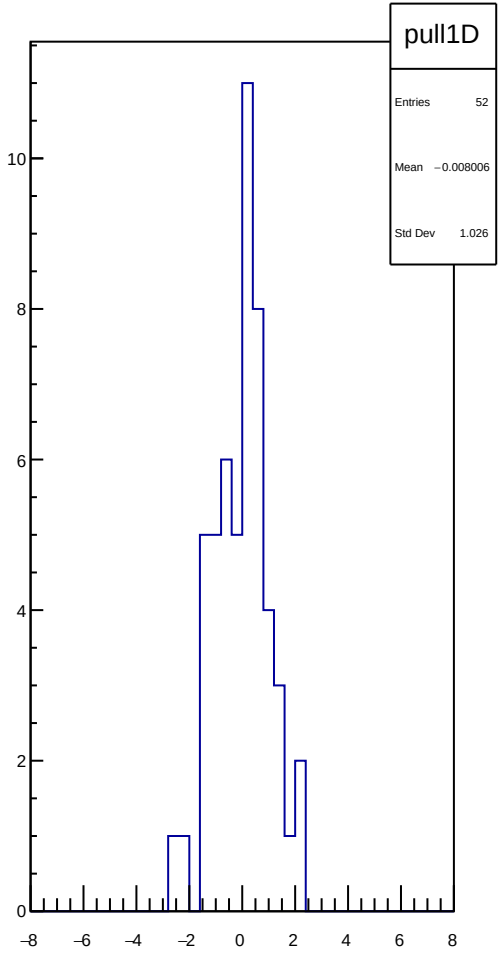
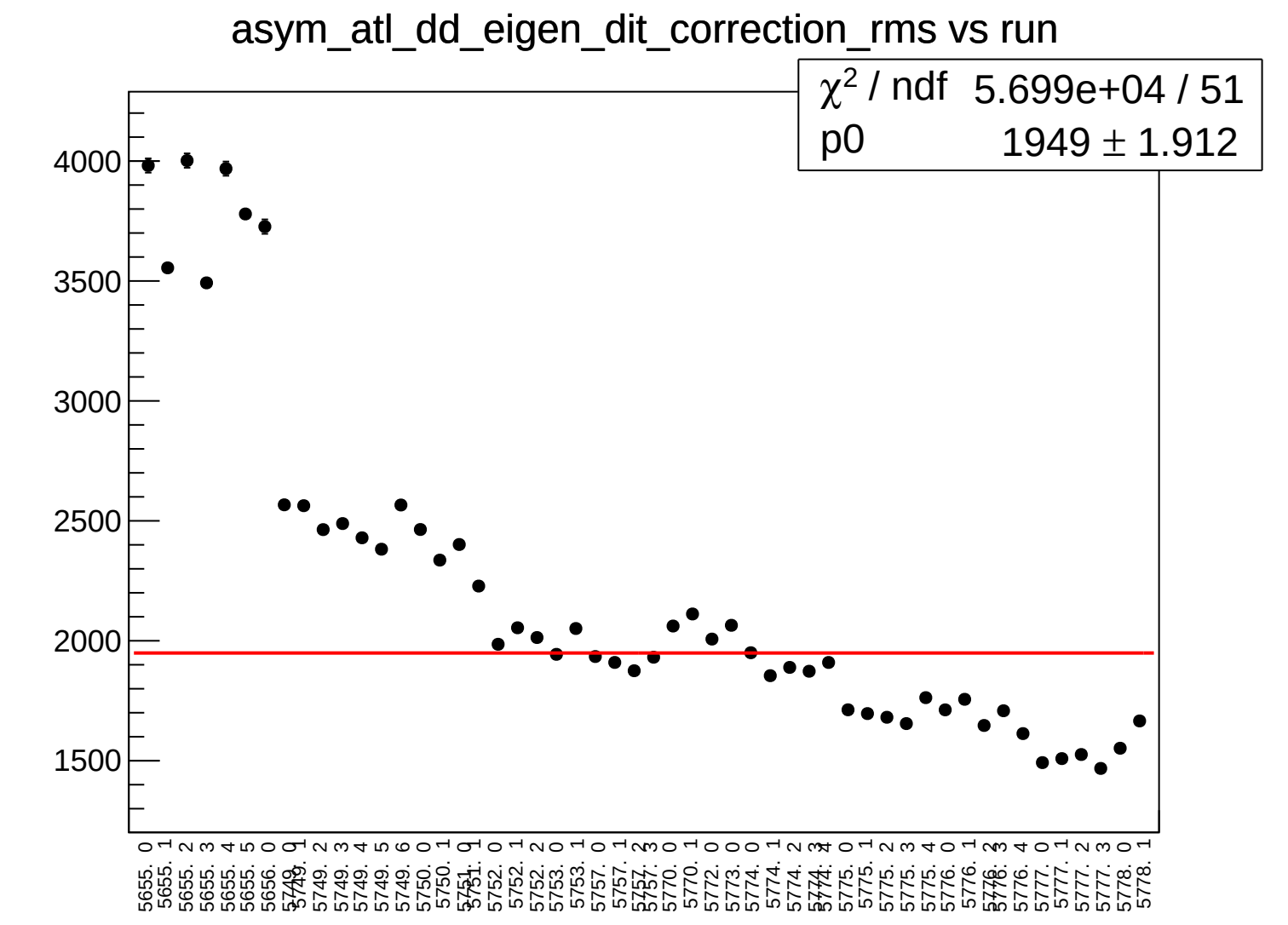
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl_dd_eigen_dit_correction_mean vs run
χ² / ndf 54.77 / 51
p0 1667 ± 2704
×10³
pull
Entries 52
Mean 29.56
Std Dev 76.62


pull1D
Entries 52
Mean −0.008006
Std Dev 1.026


asym_atl_dd_eigen_dit_correction_rms vs run
χ² / ndf 5.699e+04 / 51
p0 1949 ± 1.912
4000
3500
3000
2500
2000
1500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
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5751. 1
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5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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5773. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
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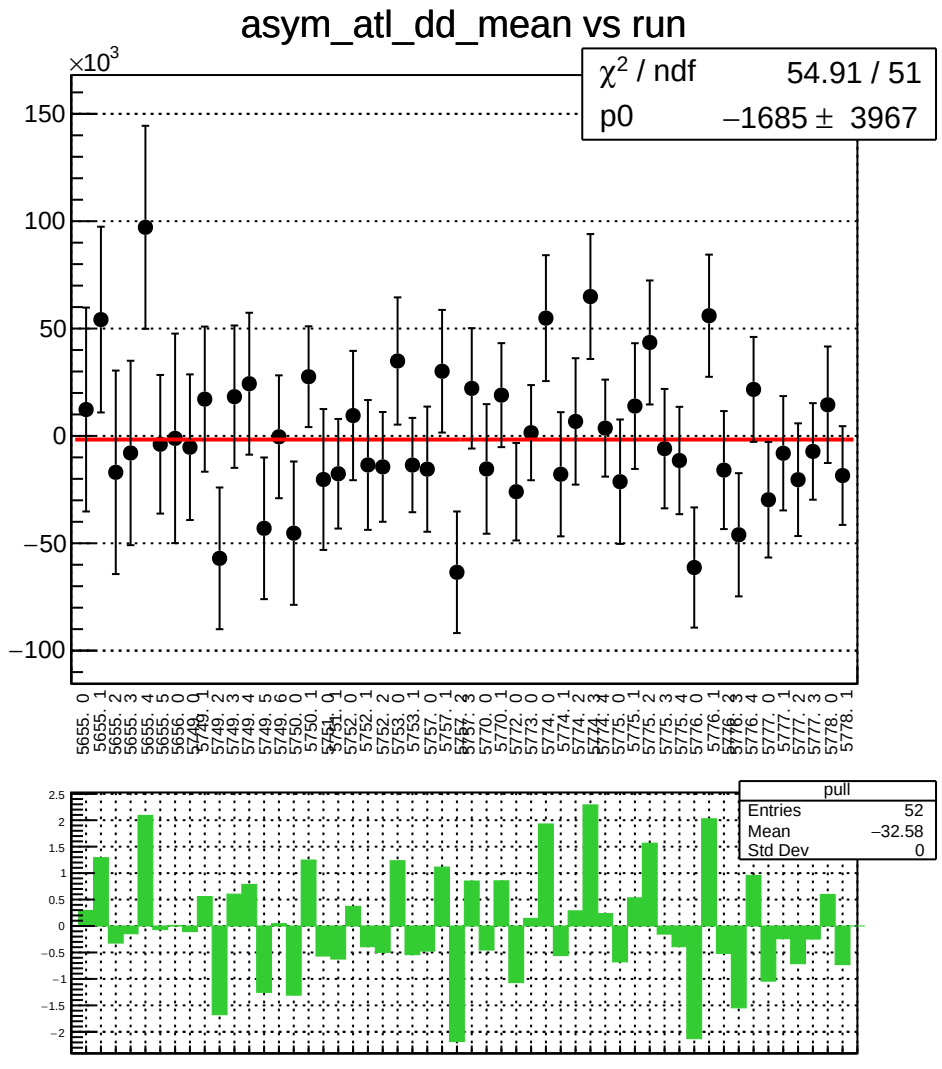
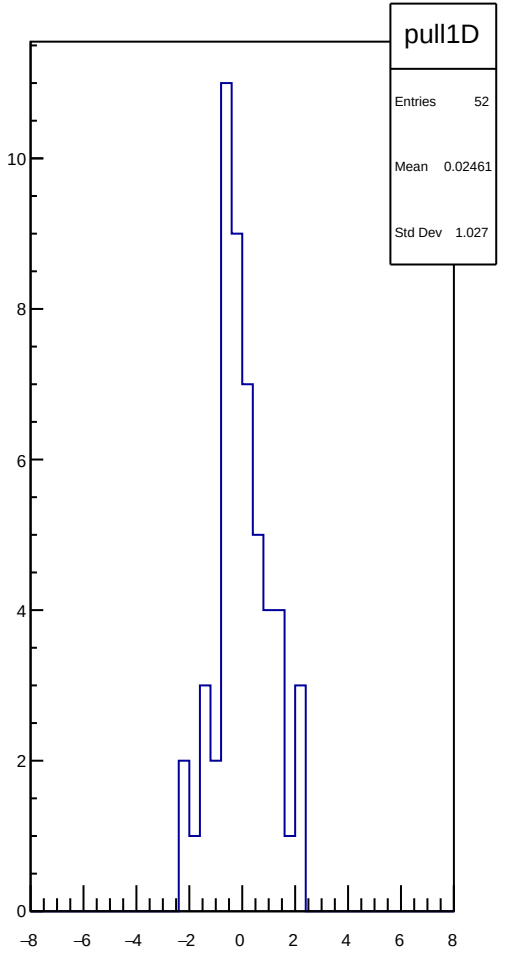
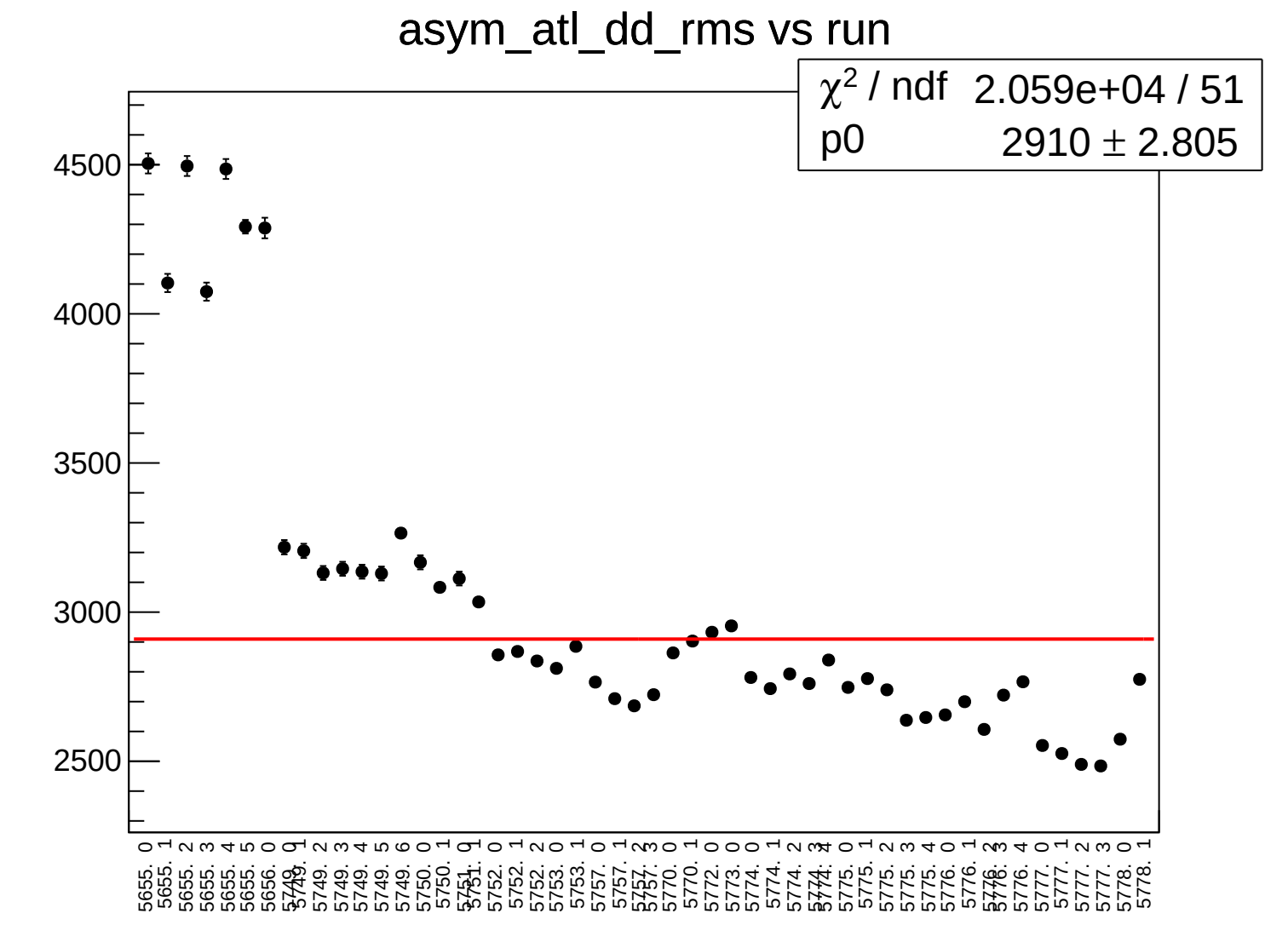
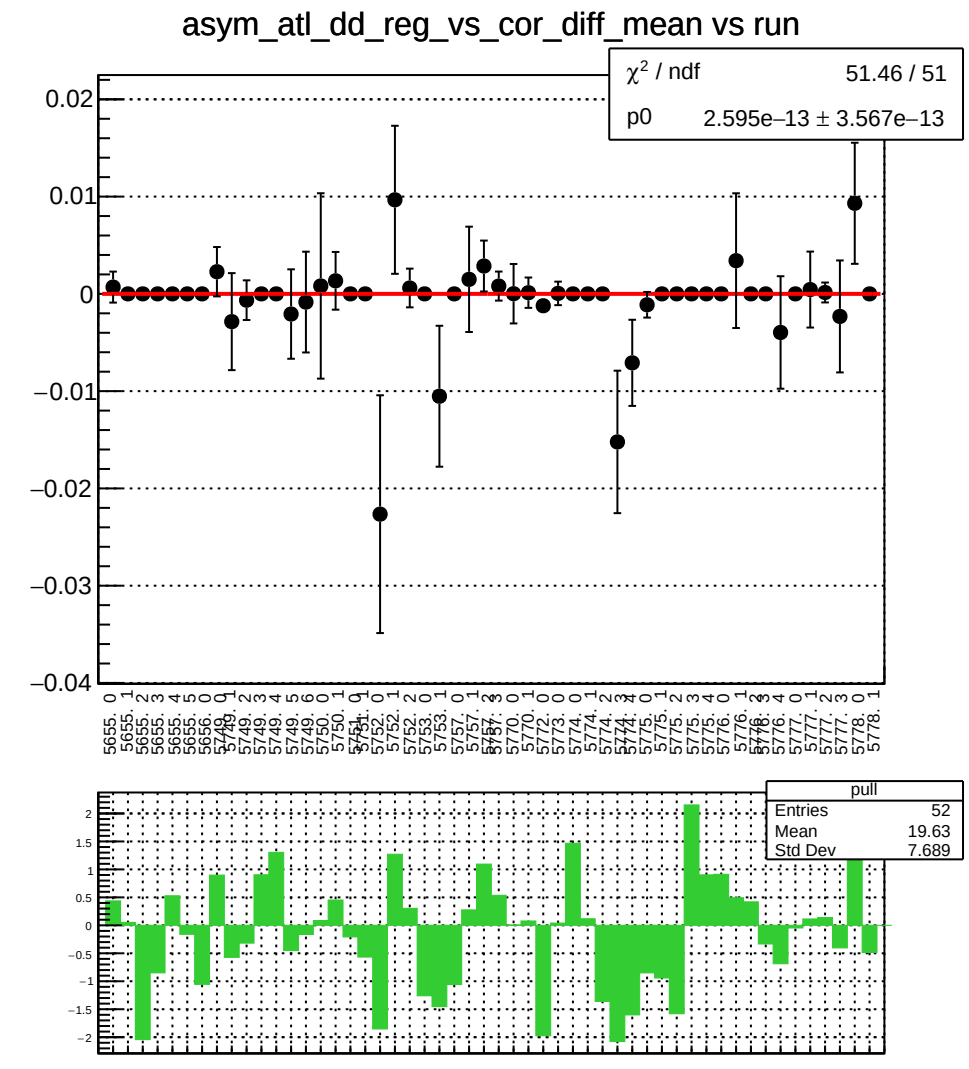
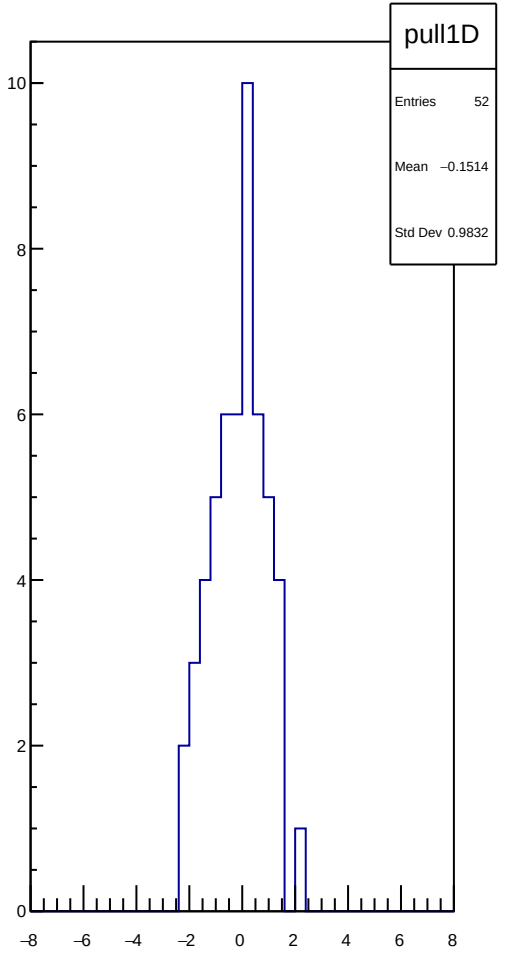
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

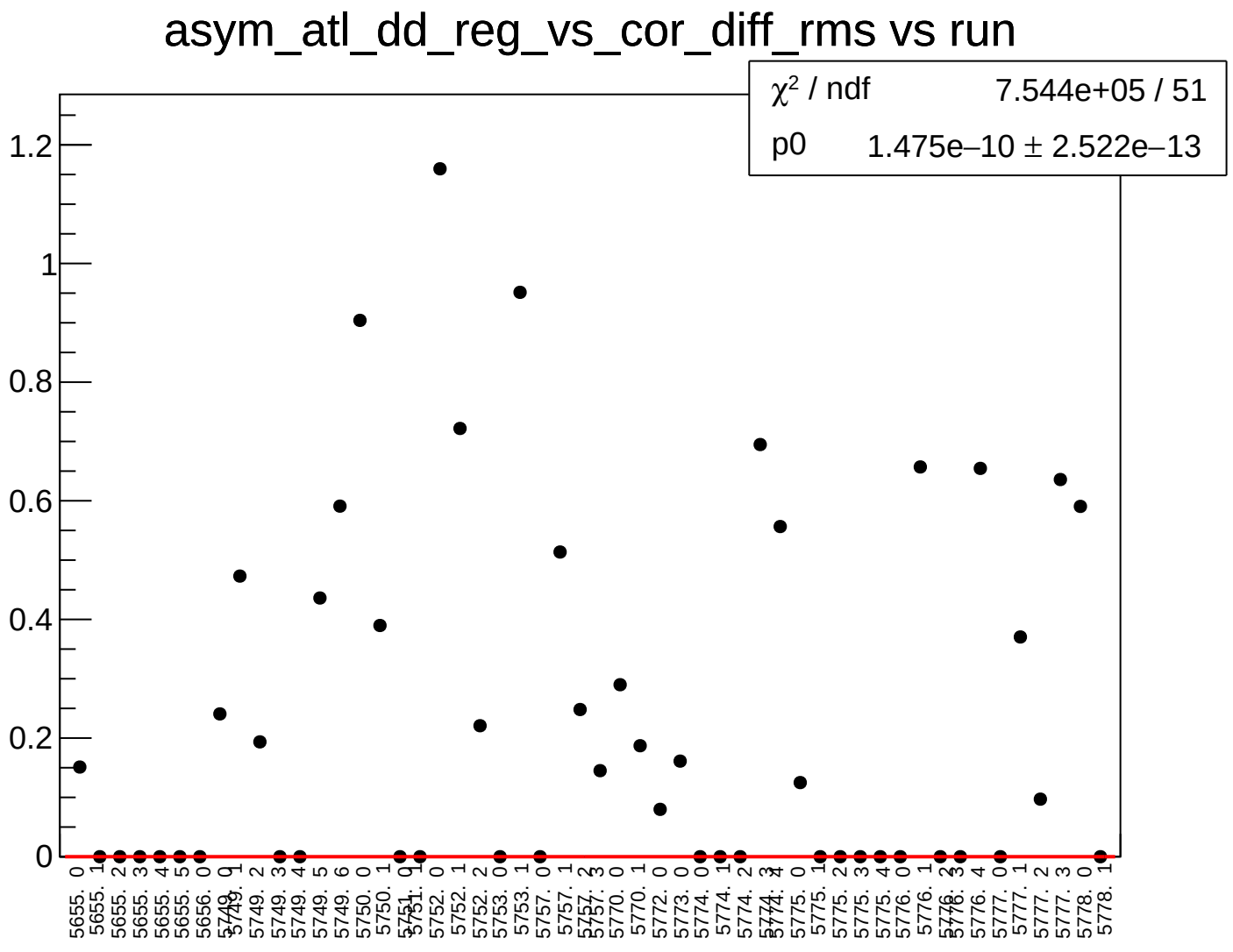

asym_atl_dd_mean vs run
×10^3
χ² / ndf 54.91 / 51
p0 −1685 ± 3967
150
100
50
0
−50
−100
pull
Entries 52
Mean −32.58
Std Dev 0

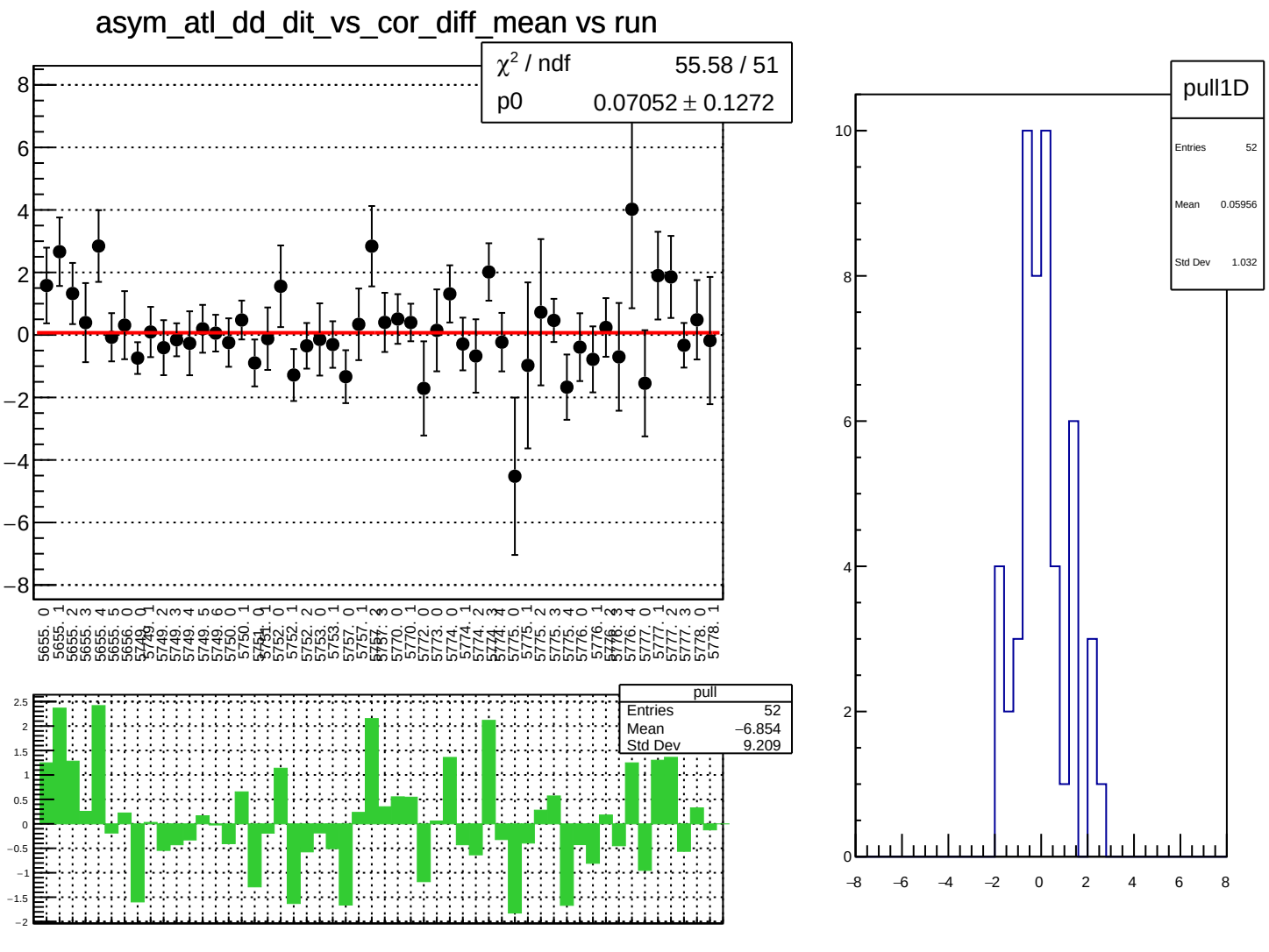

pull1D
Entries 52
Mean 0.02461
Std Dev 1.027

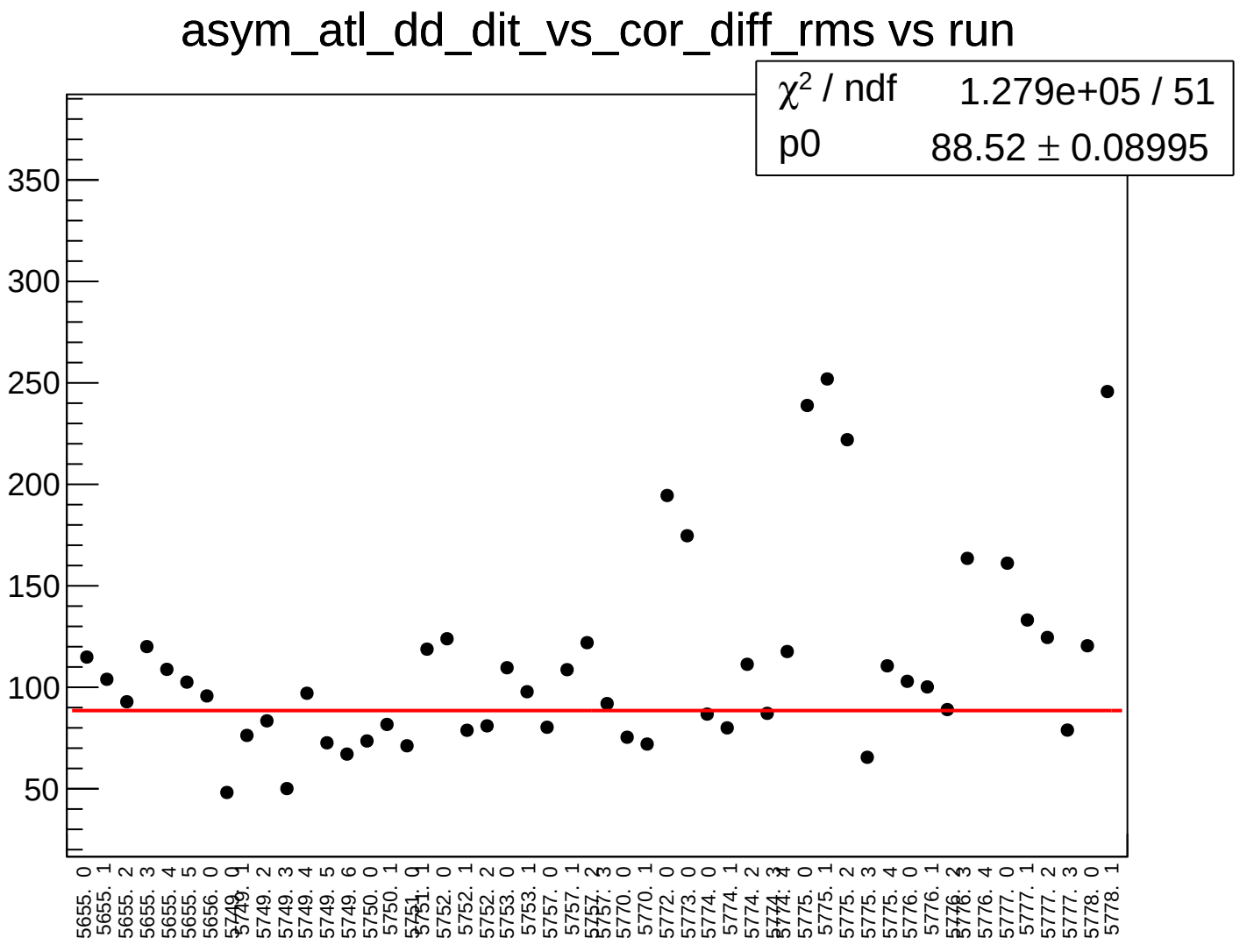

asym_atl_dd_rms vs run
χ² / ndf 2.059e+04 / 51
p0 2910 ± 2.805
4500
4000
3500
3000
2500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

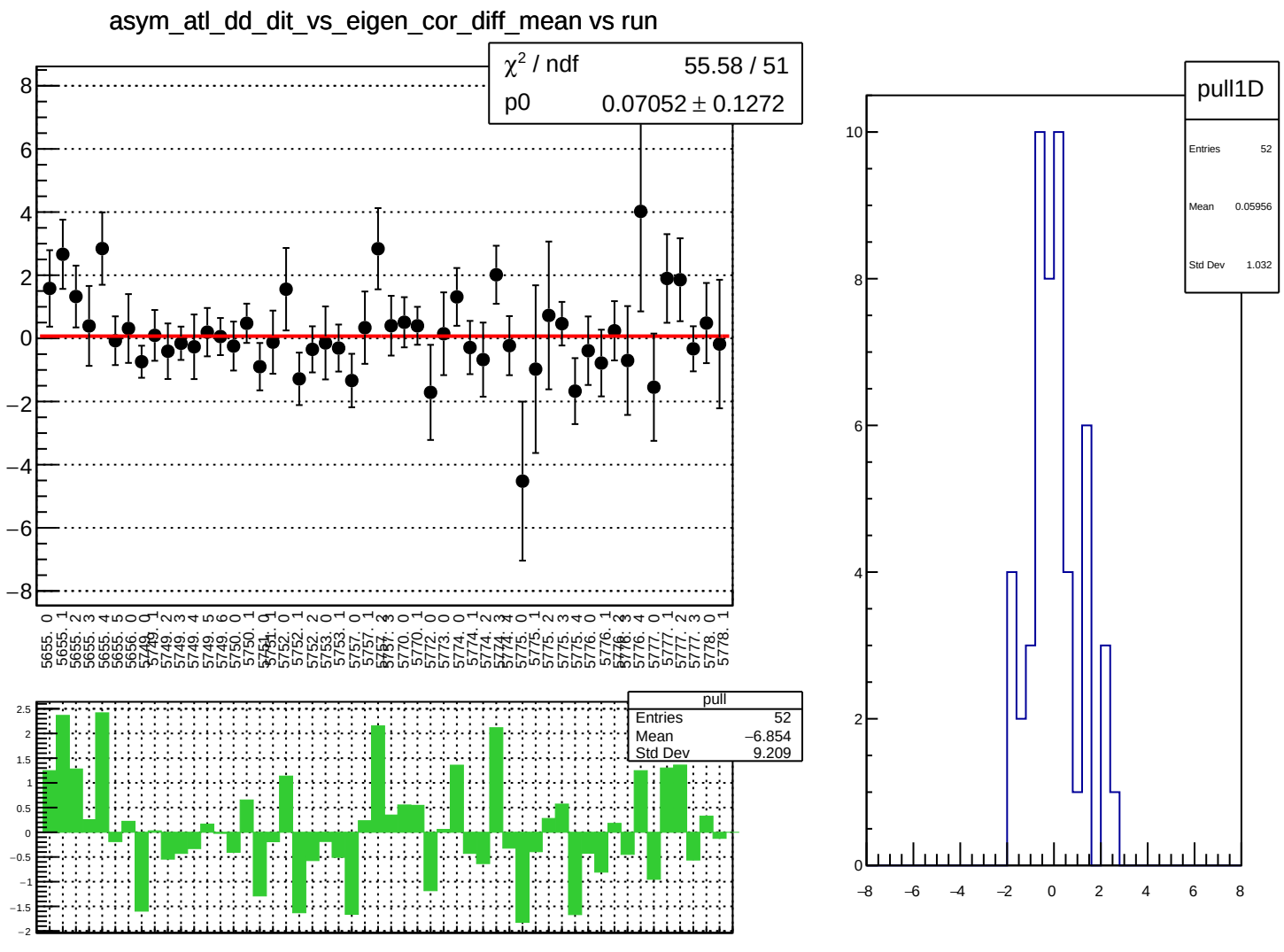

asym_atl_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 51.46 / 51
p0 2.595e−13 ± 3.567e−13
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
pull
Entries 52
Mean 19.63
Std Dev 7.689
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

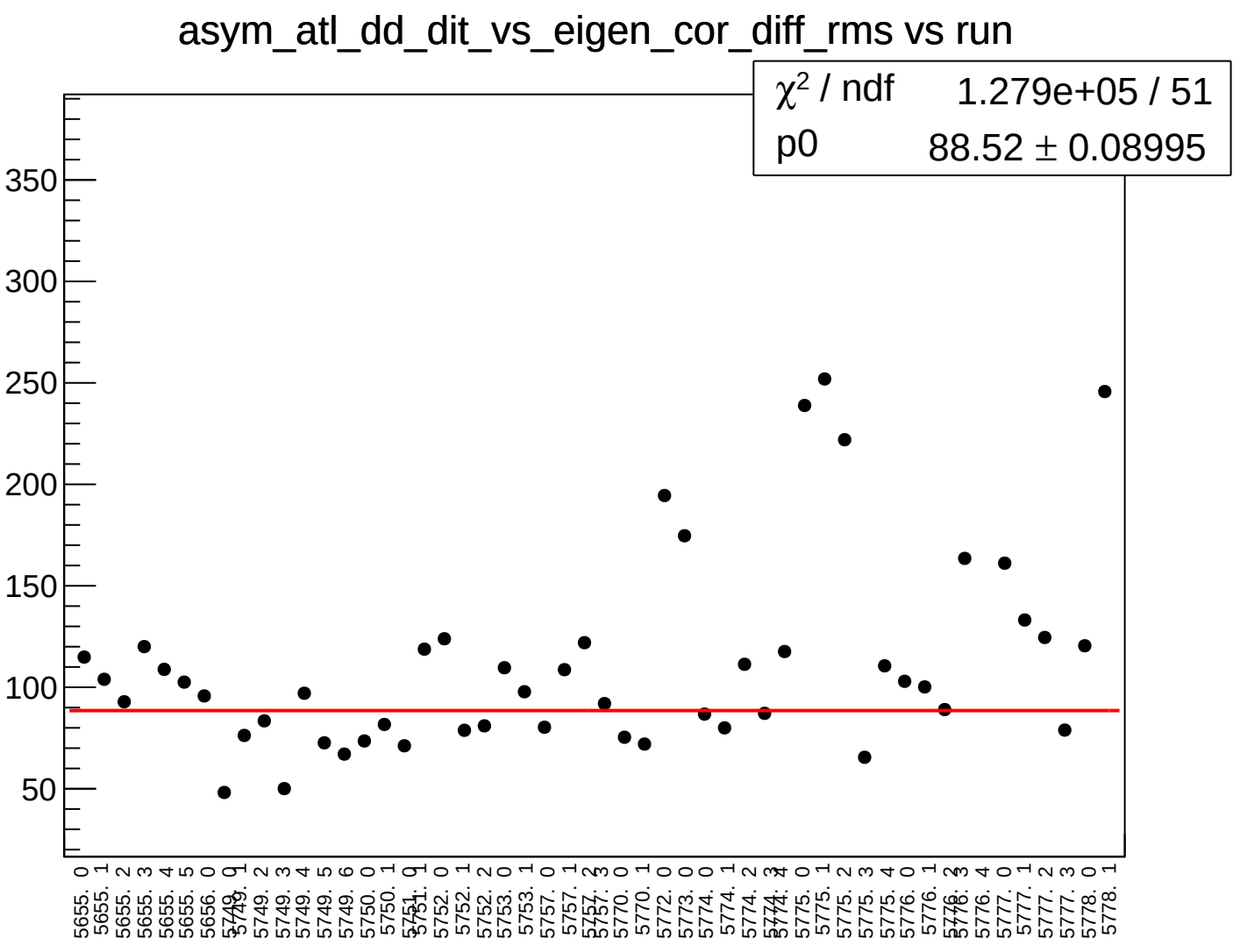

pull1D
Entries 52
Mean −0.1514
Std Dev 0.9832
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

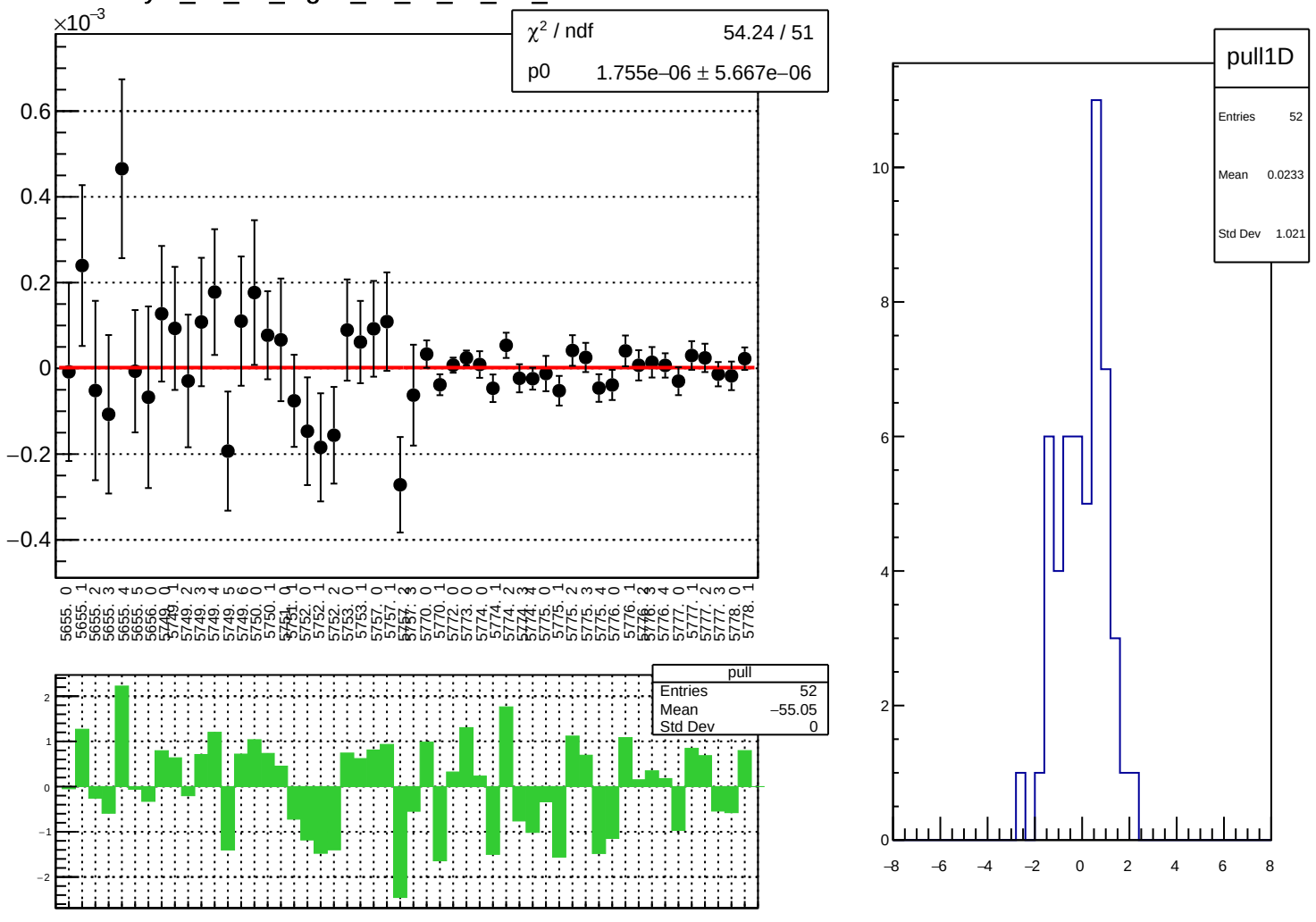

asym_atl_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.544e+05 / 51
p0 1.475e−10 ± 2.522e−13
1.2
1
0.8
0.6
0.4
0.2
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

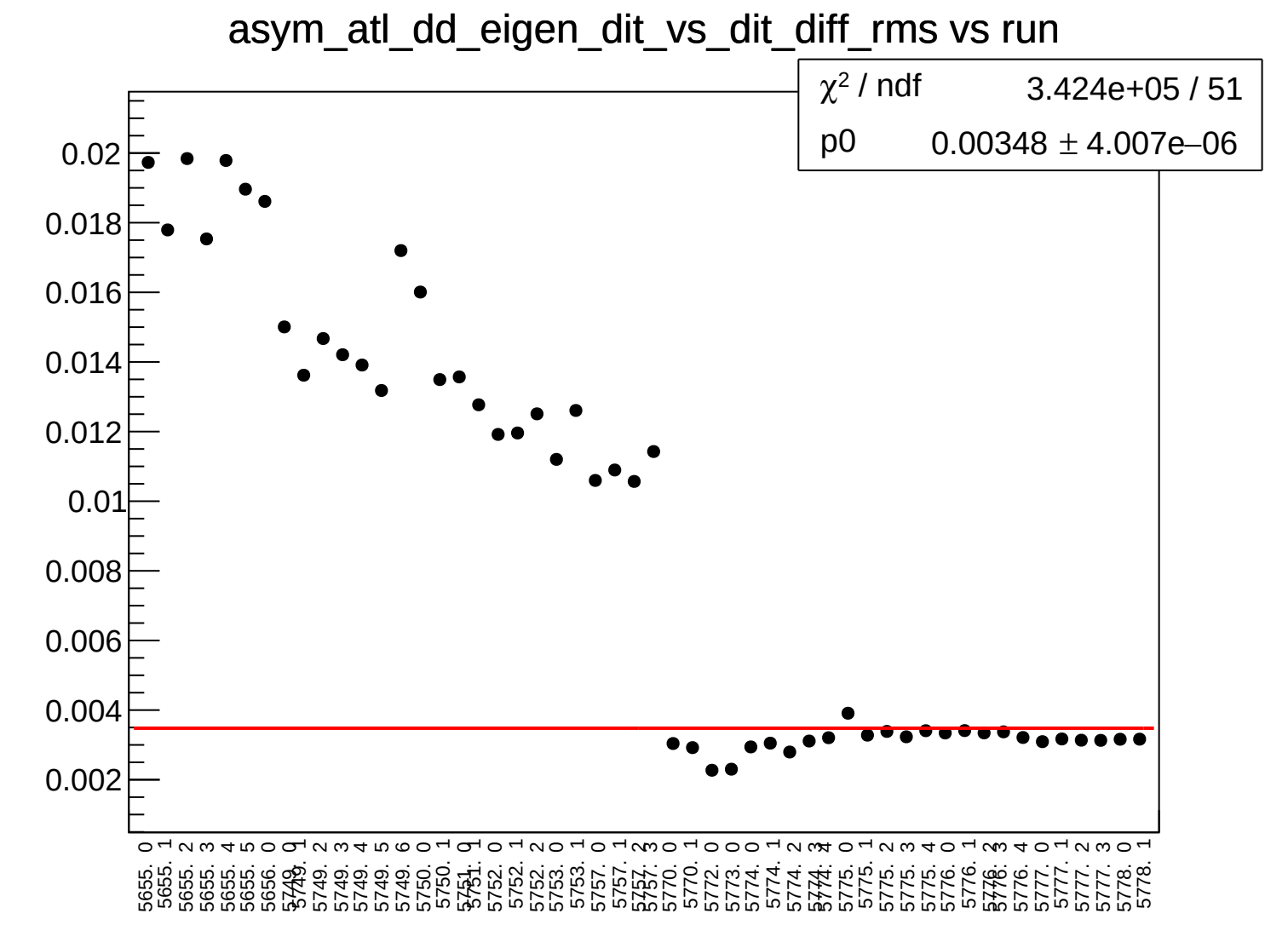

asym_atl_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 55.58 / 51
p0 0.07052 ± 0.1272
pull
Entries 52
Mean −6.854
Std Dev 9.209
pull1D
Entries 52
Mean 0.05956
Std Dev 1.032

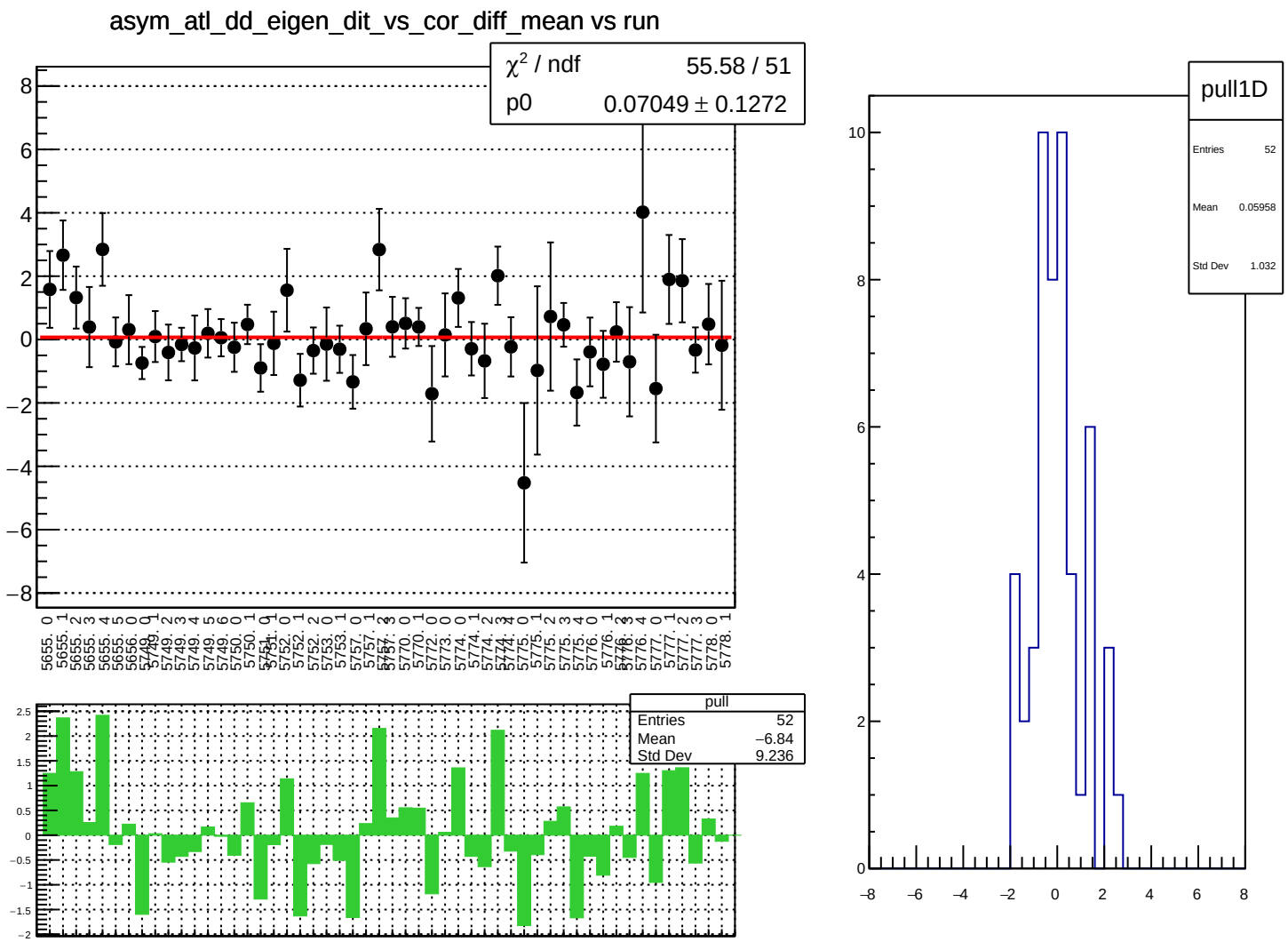

asym_atl_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.279e+05 / 51
p0 88.52 ± 0.08995
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

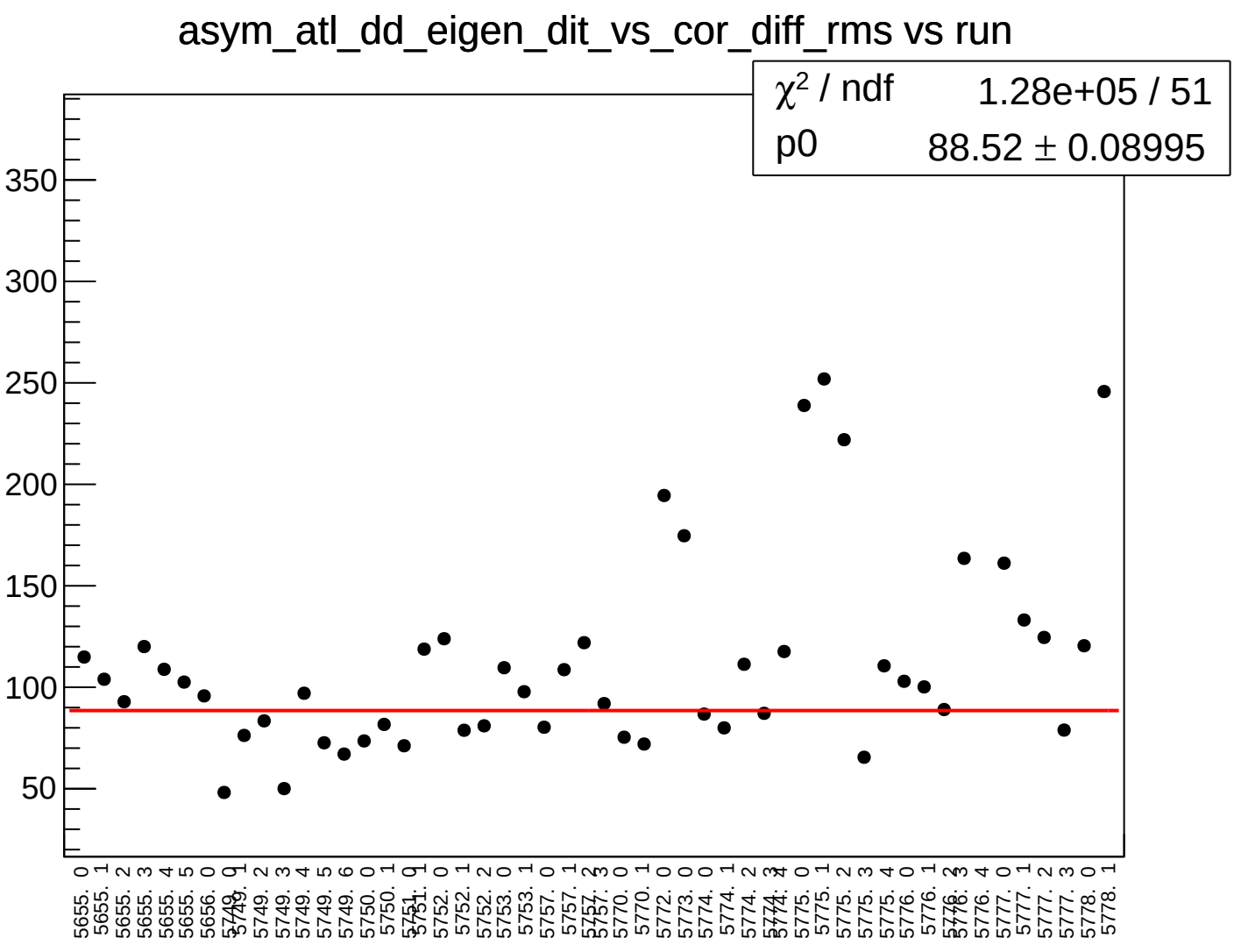

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.58 / 51
p0 0.07052 ± 0.1272
pull
Entries 52
Mean −6.854
Std Dev 9.209
pull1D
Entries 52
Mean 0.05956
Std Dev 1.032

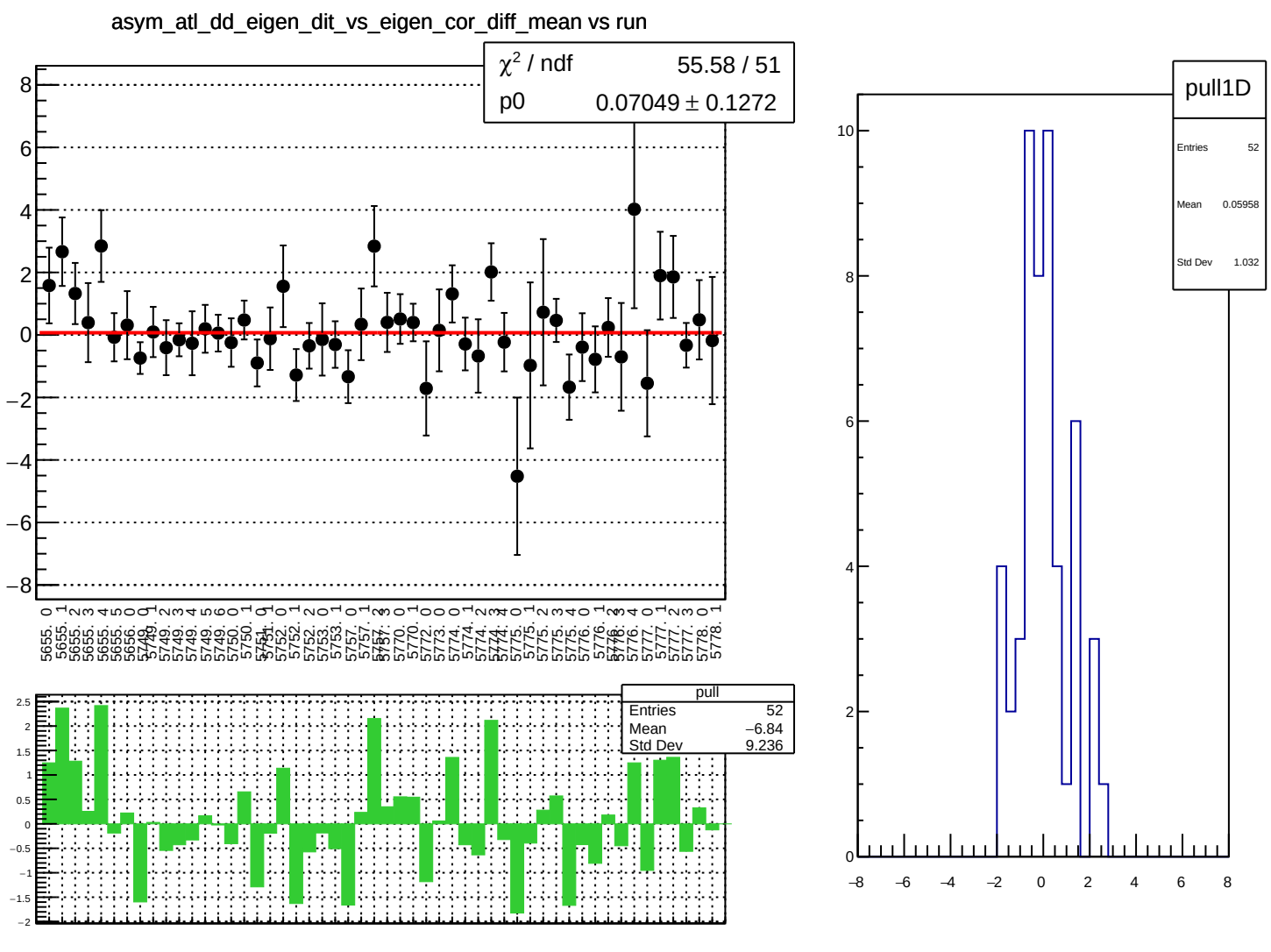

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.279e+05 / 51
p0 88.52 ± 0.08995
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

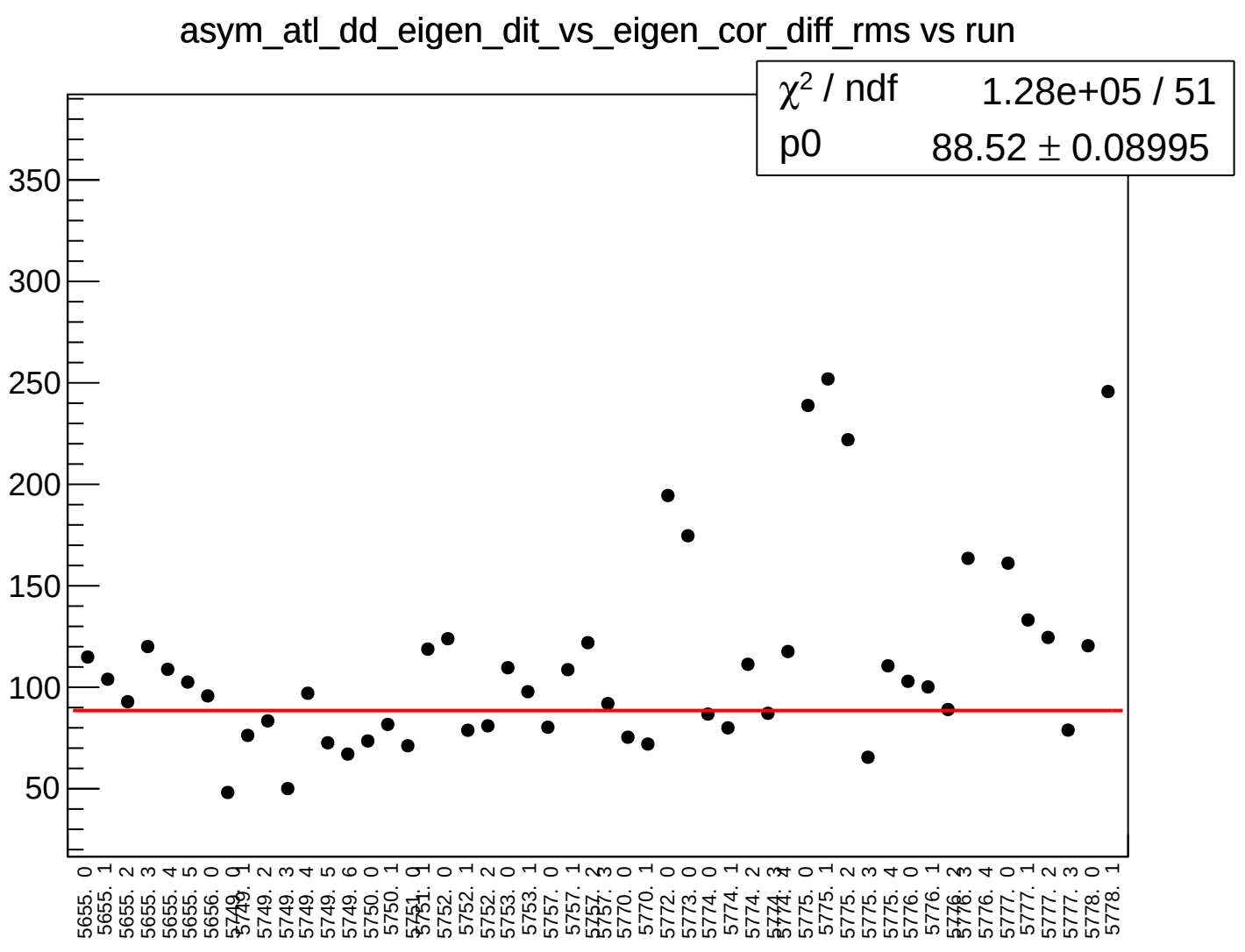

asym_atl_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.24 / 51
p0 1.755e−06 ± 5.667e−06
0.6
0.4
0.2
0
−0.2
−0.4
pull
Entries 52
Mean −55.05
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 52
Mean 0.0233
Std Dev 1.021
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

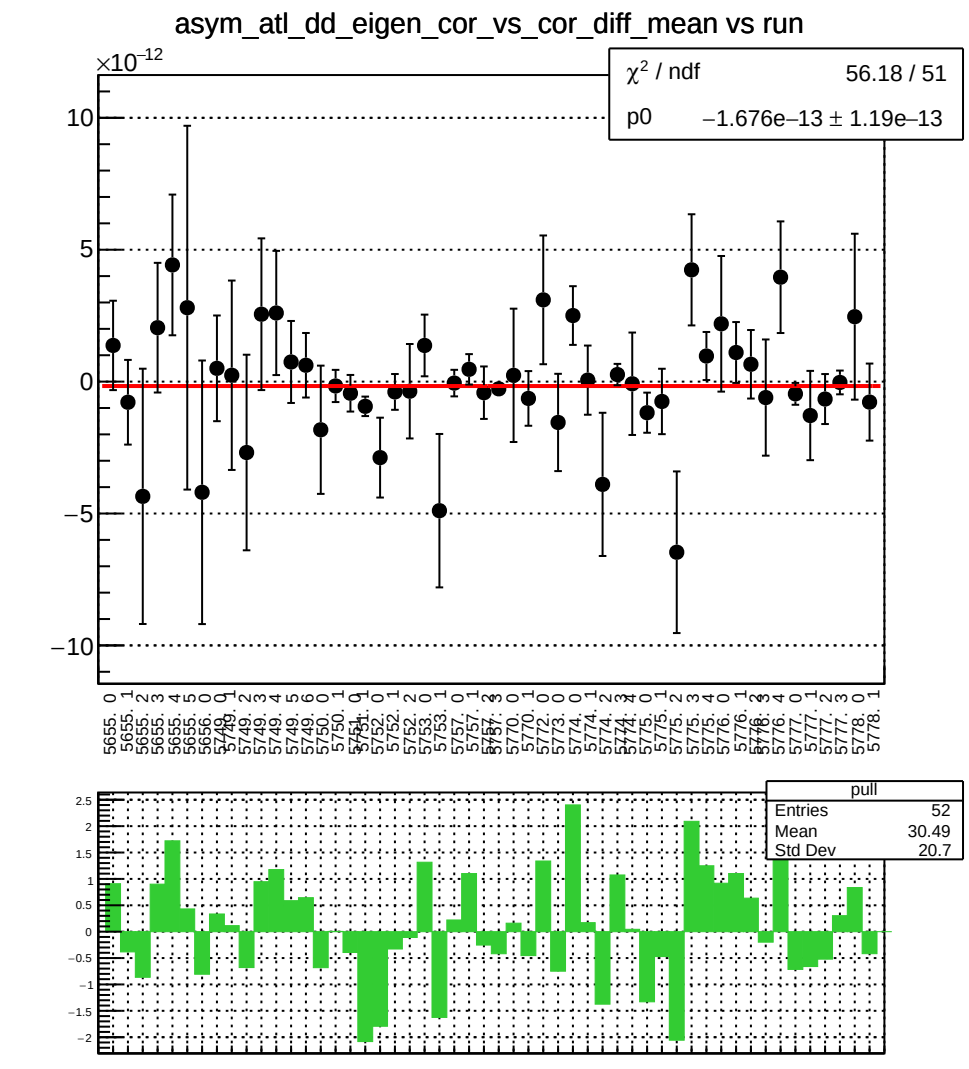

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.424e+05 / 51
p0 0.00348 ± 4.007e–06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

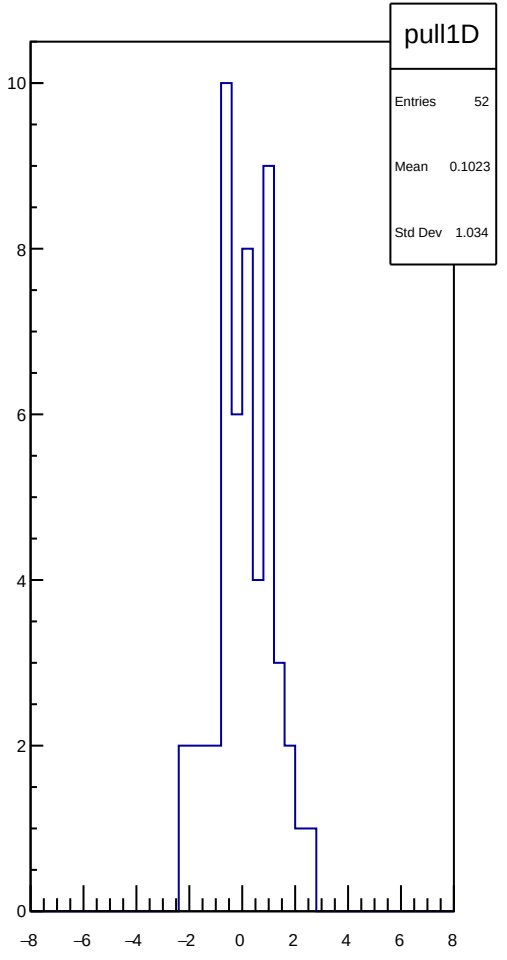

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.58 / 51
p0 0.07049 ± 0.1272
pull
Entries 52
Mean −6.84
Std Dev 9.236
pull1D
Entries 52
Mean 0.05958
Std Dev 1.032

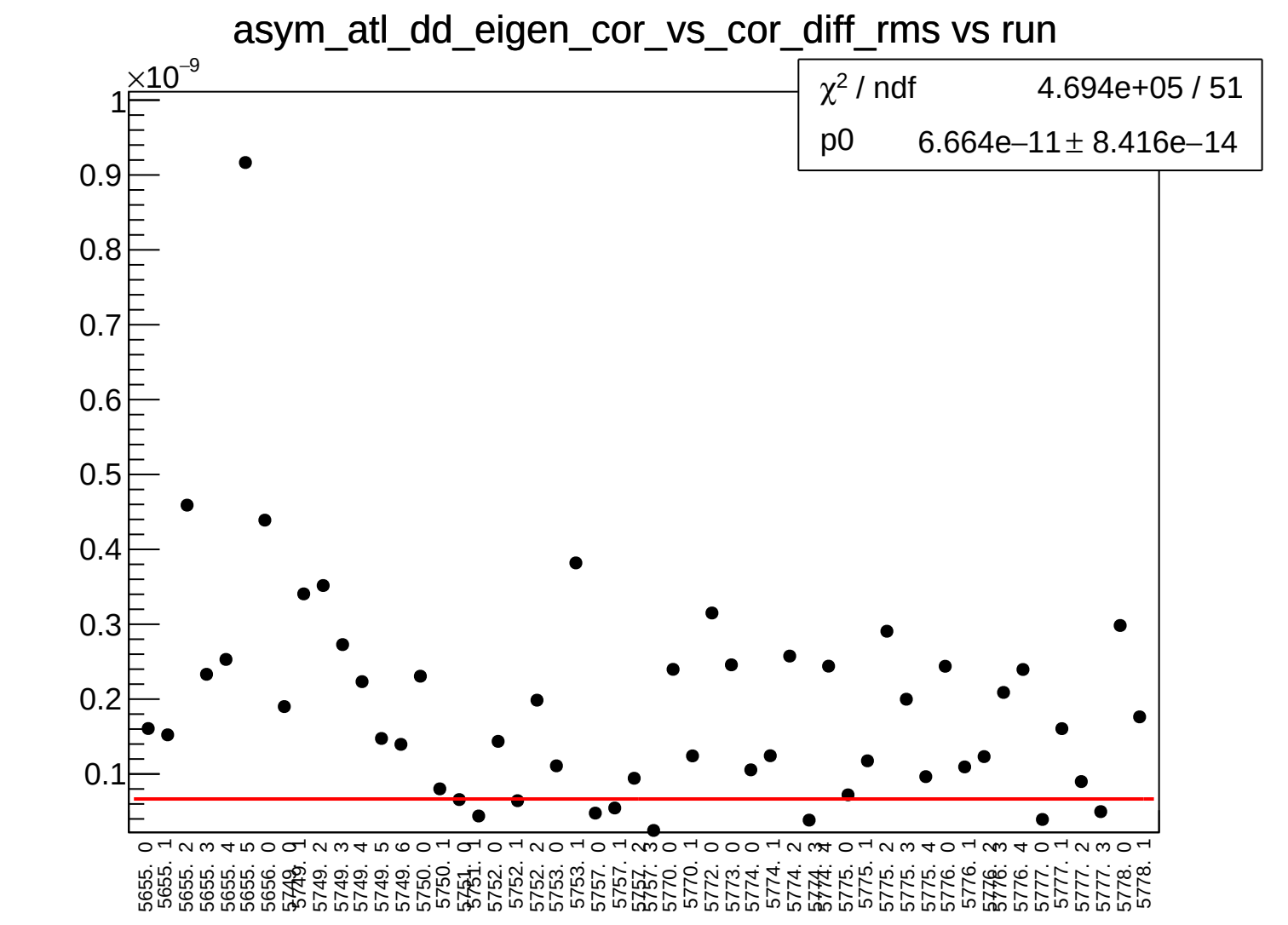

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.28e+05 / 51
p0 88.52 ± 0.08995
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.58 / 51
p0 0.07049 ± 0.1272
pull
Entries 52
Mean −6.84
Std Dev 9.236
pull1D
Entries 52
Mean 0.05958
Std Dev 1.032


asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.28e+05 / 51
p0 88.52 ± 0.08995
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56.18 / 51
p0 −1.676e−13 ± 1.19e−13
pull
Entries 52
Mean 30.49
Std Dev 20.7


pull1D
Entries 52
Mean 0.1023
Std Dev 1.034


asym_atl_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.694e+05 / 51
p0 6.664e−11 ± 8.416e−14
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
5777. 0
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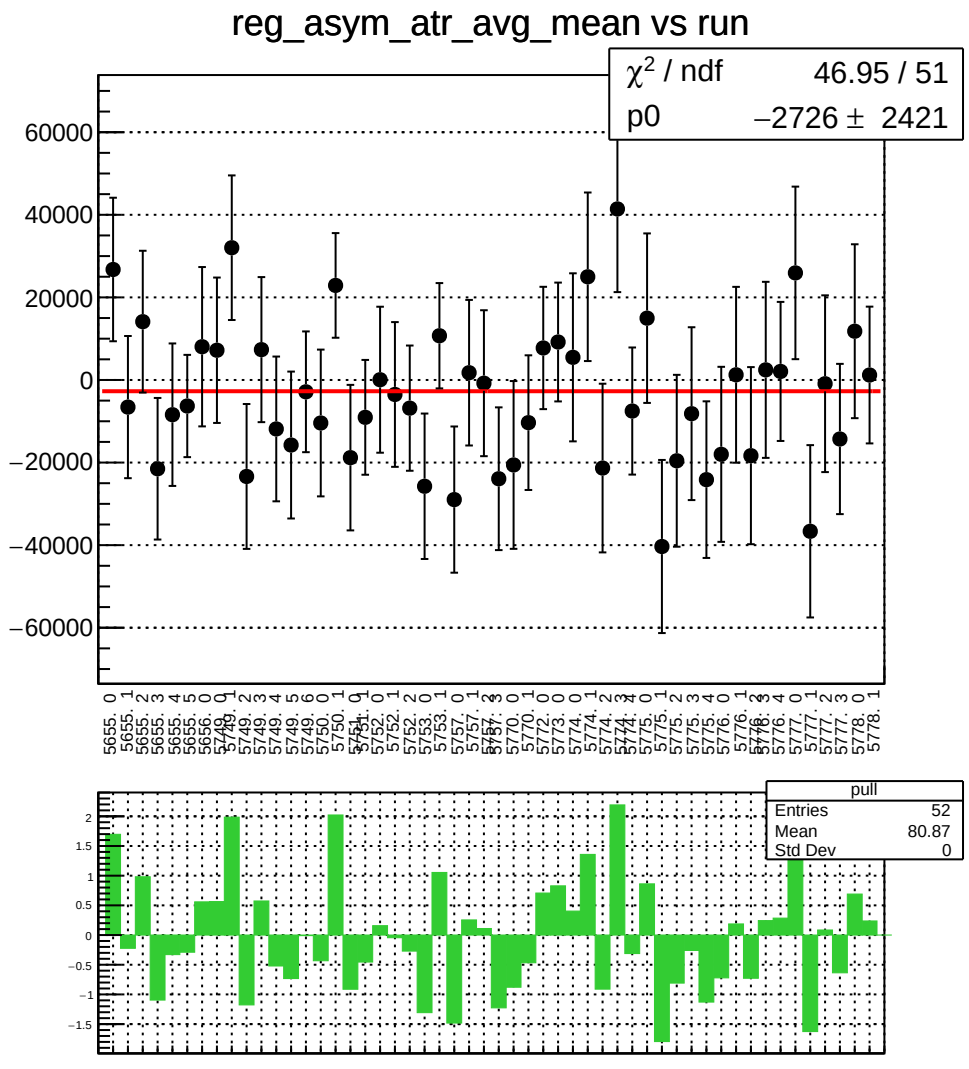
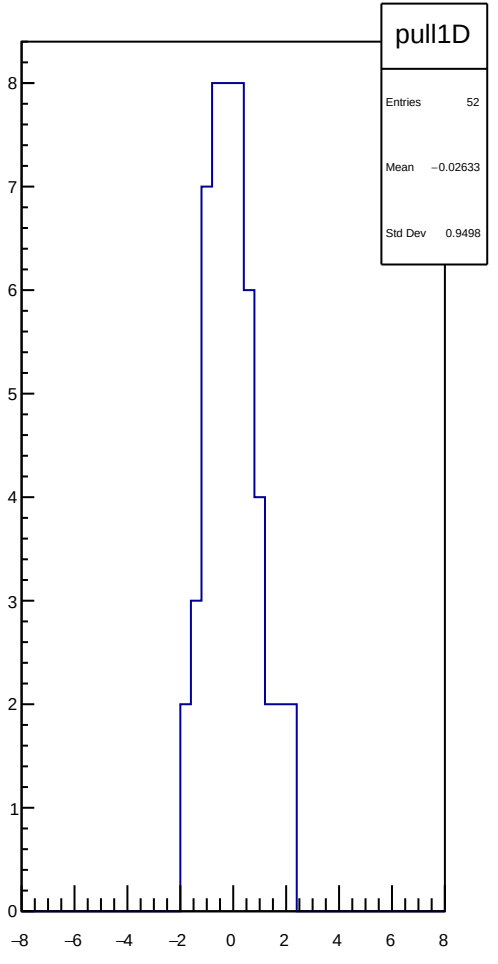
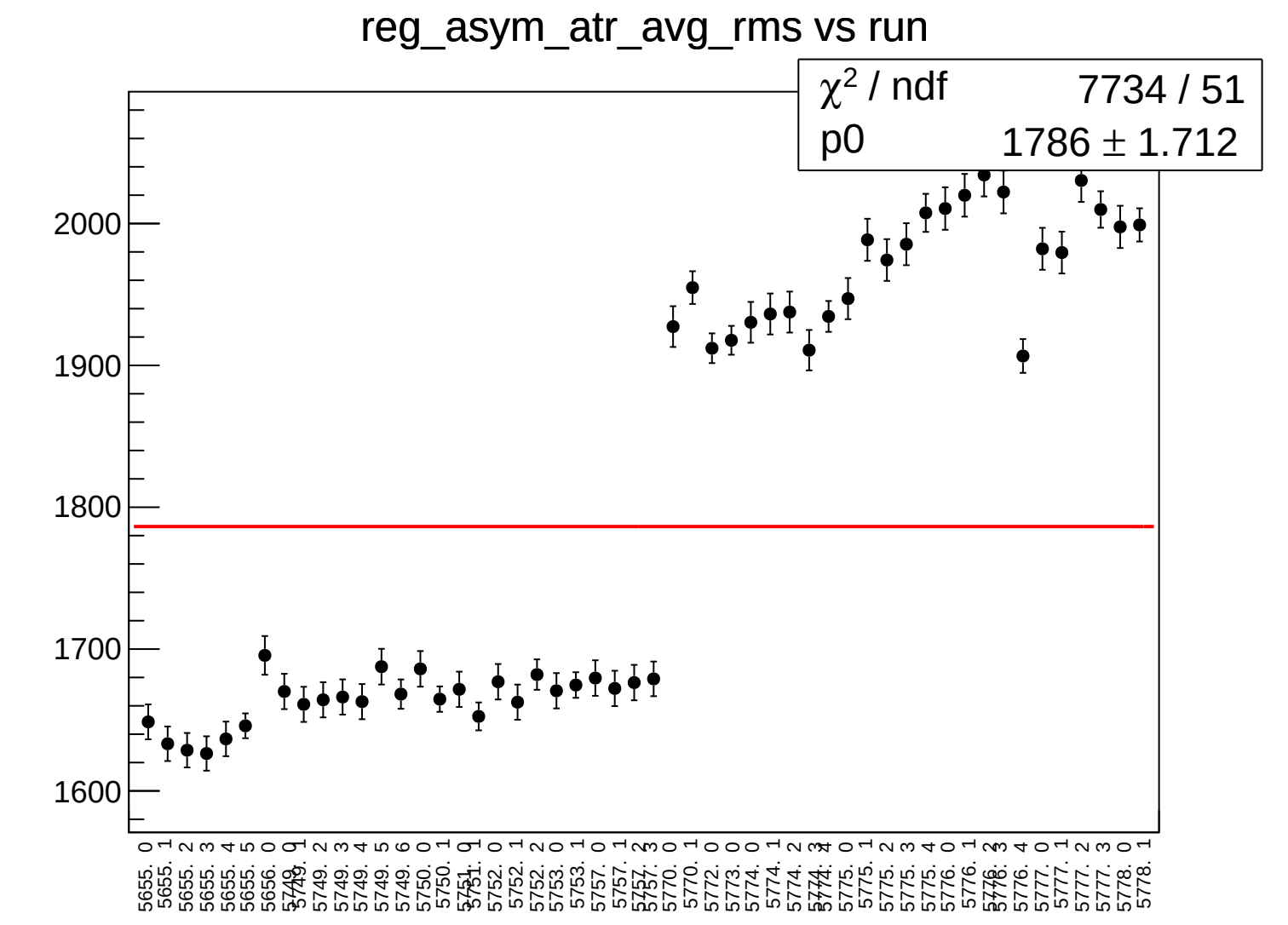
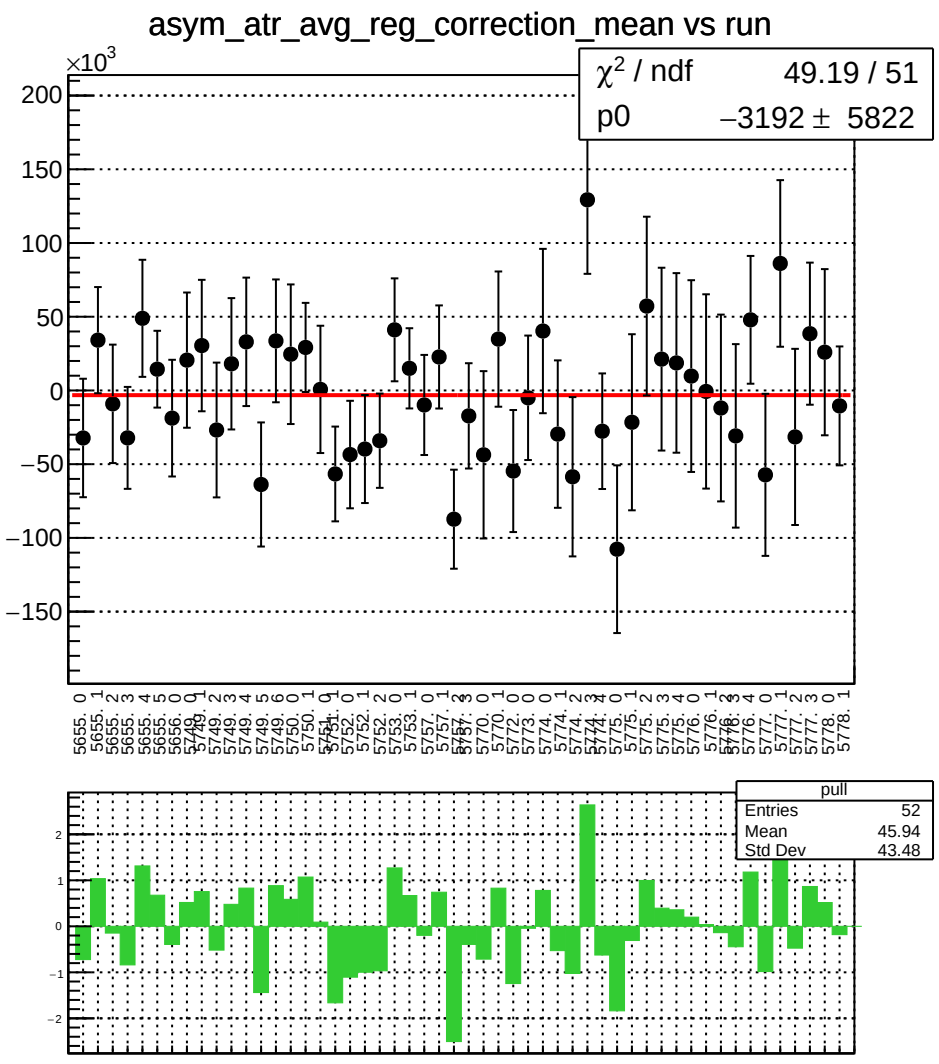
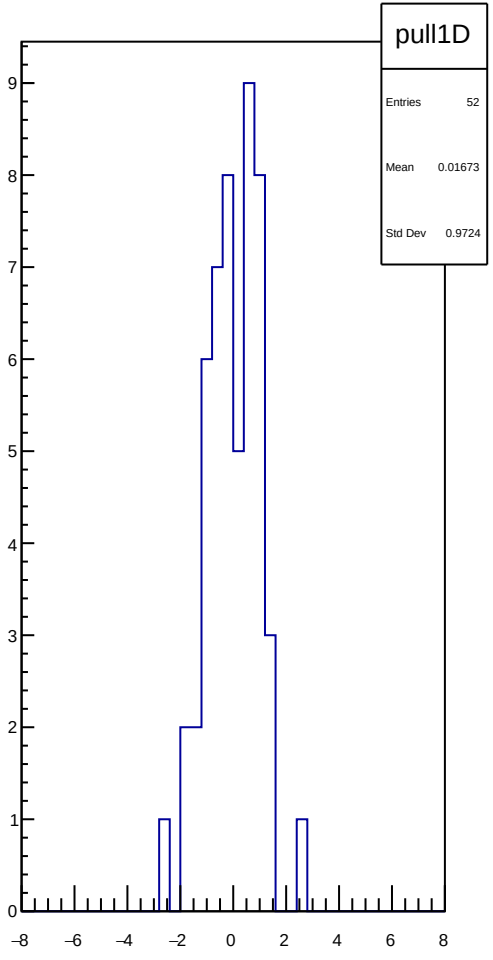
5777. 2
5777. 3
5778. 0
5778. 1

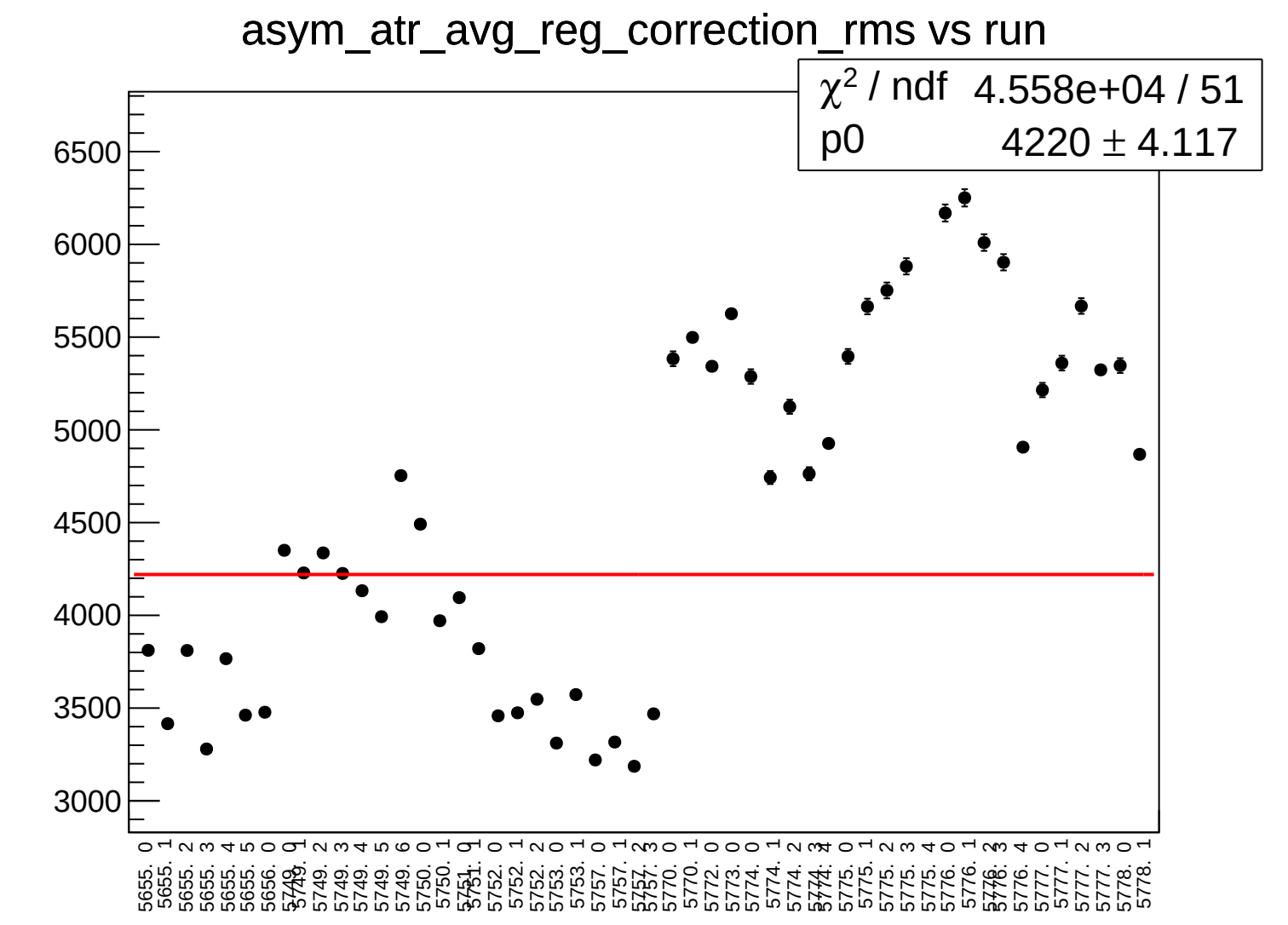

reg_asym_atr_avg_mean vs run
χ² / ndf 46.95 / 51
p0 −2726 ± 2421
pull
Entries 52
Mean 80.87
Std Dev 0

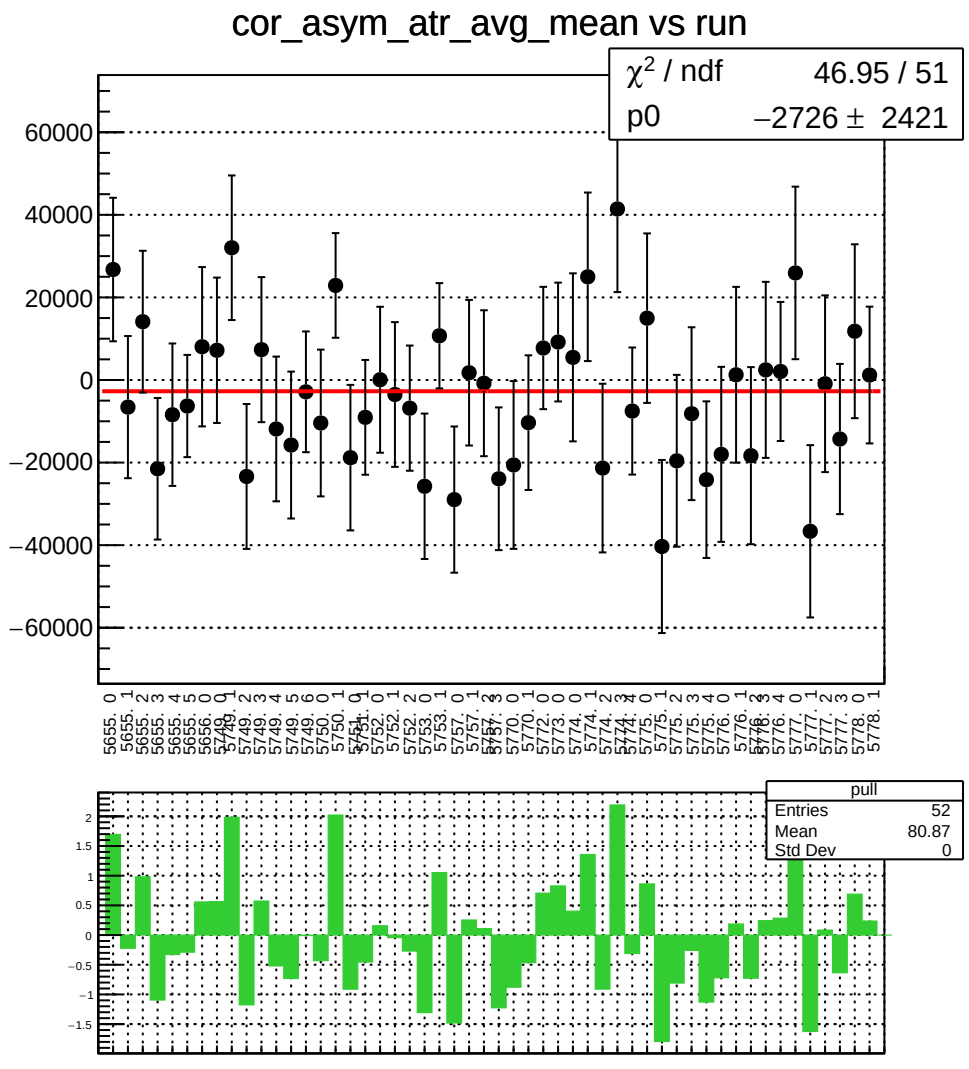

pull1D
Entries 52
Mean −0.02633
Std Dev 0.9498

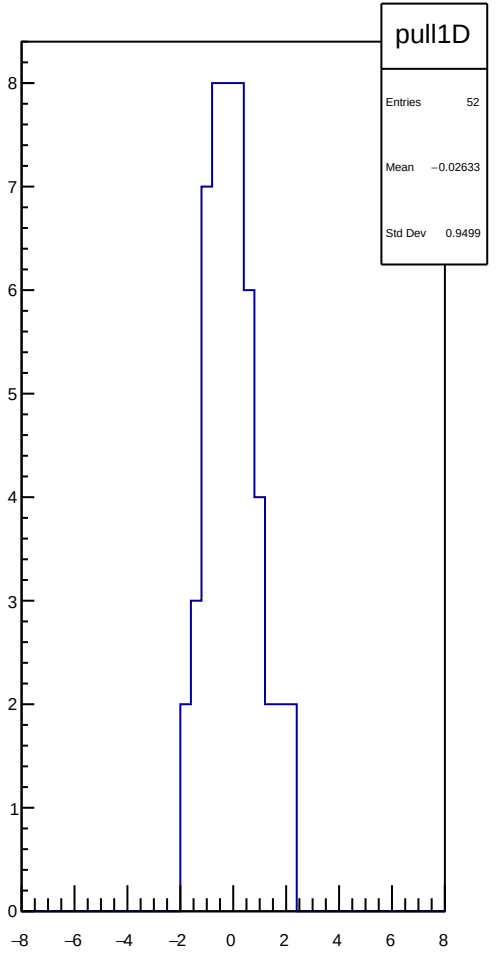

reg_asym_atr_avg_rms vs run
χ² / ndf 7734 / 51
p0 1786 ± 1.712
2000
1900
1800
1700
1600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

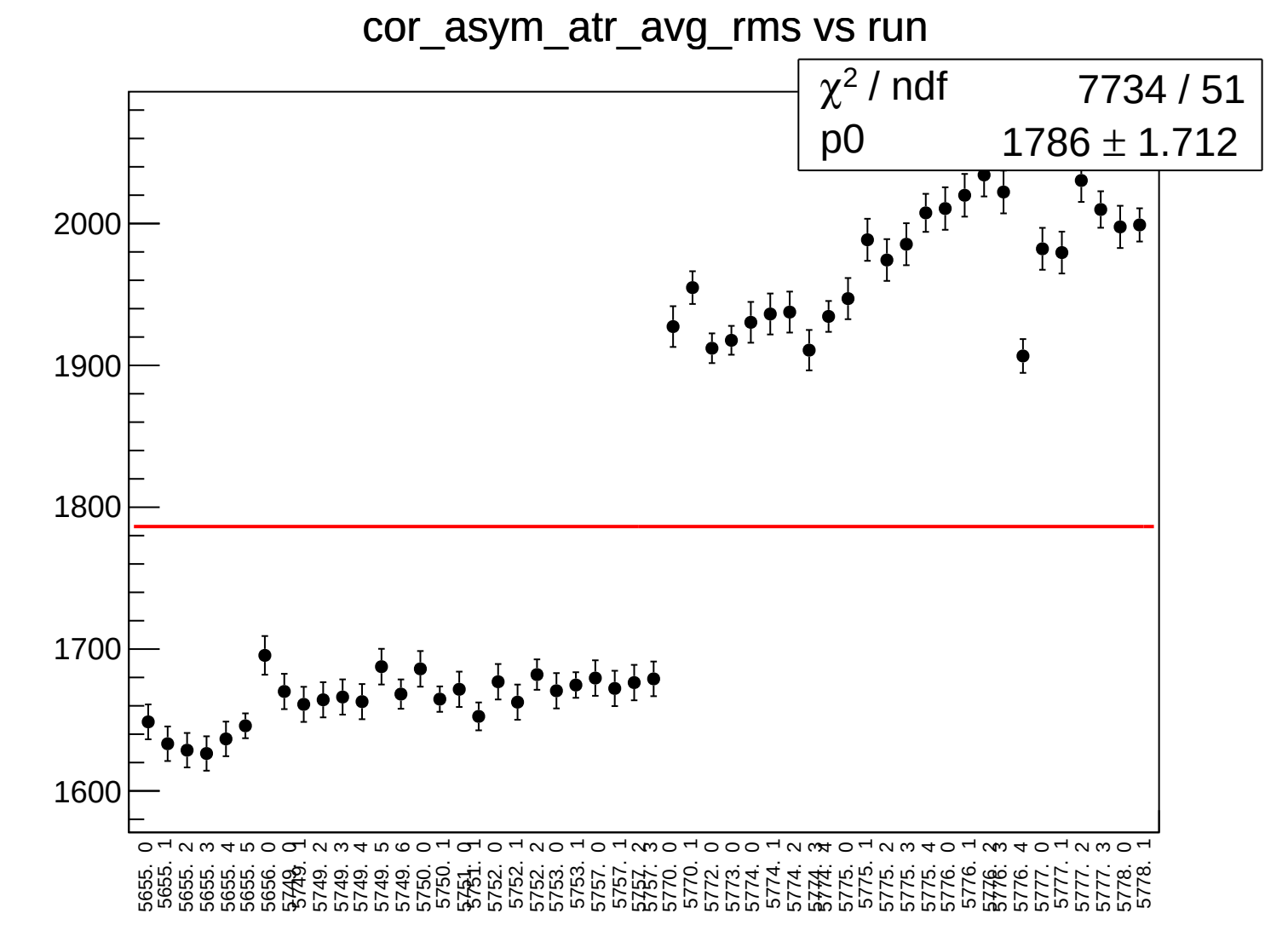

asym_atr_avg_reg_correction_mean vs run
×10^3
χ² / ndf 49.19 / 51
p0 −3192 ± 5822
200
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean 45.94
Std Dev 43.48
2
1
0
−1
−2

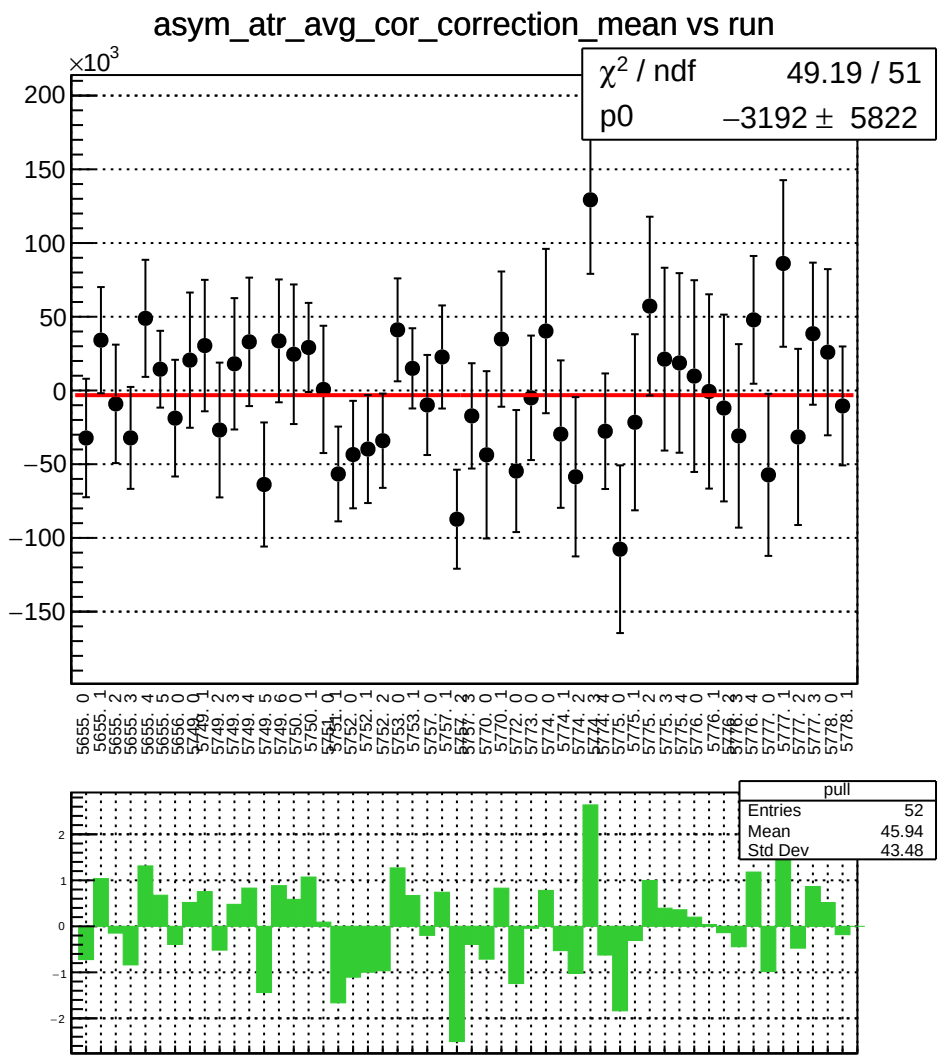

pull1D
Entries 52
Mean 0.01673
Std Dev 0.9724
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

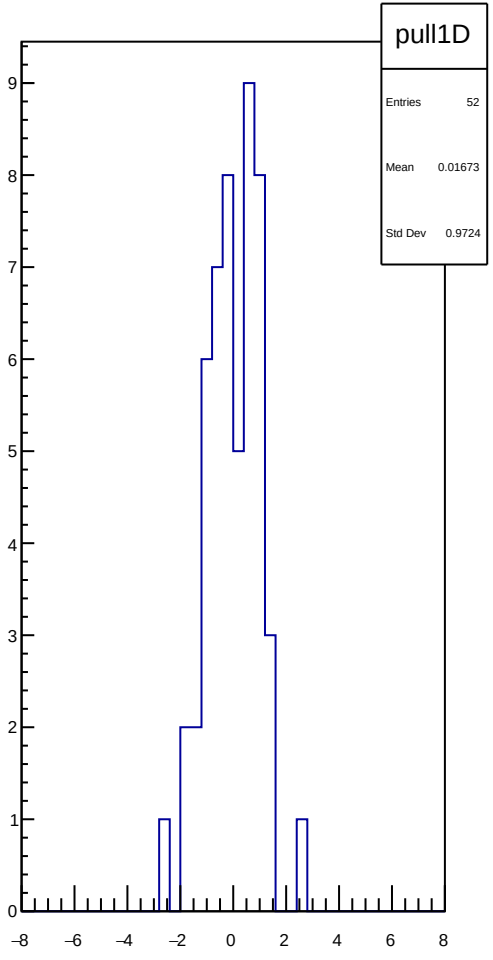

asym_atr_avg_reg_correction_rms vs run
χ² / ndf 4.558e+04 / 51
p0 4220 ± 4.117
6500
6000
5500
5000
4500
4000
3500
3000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

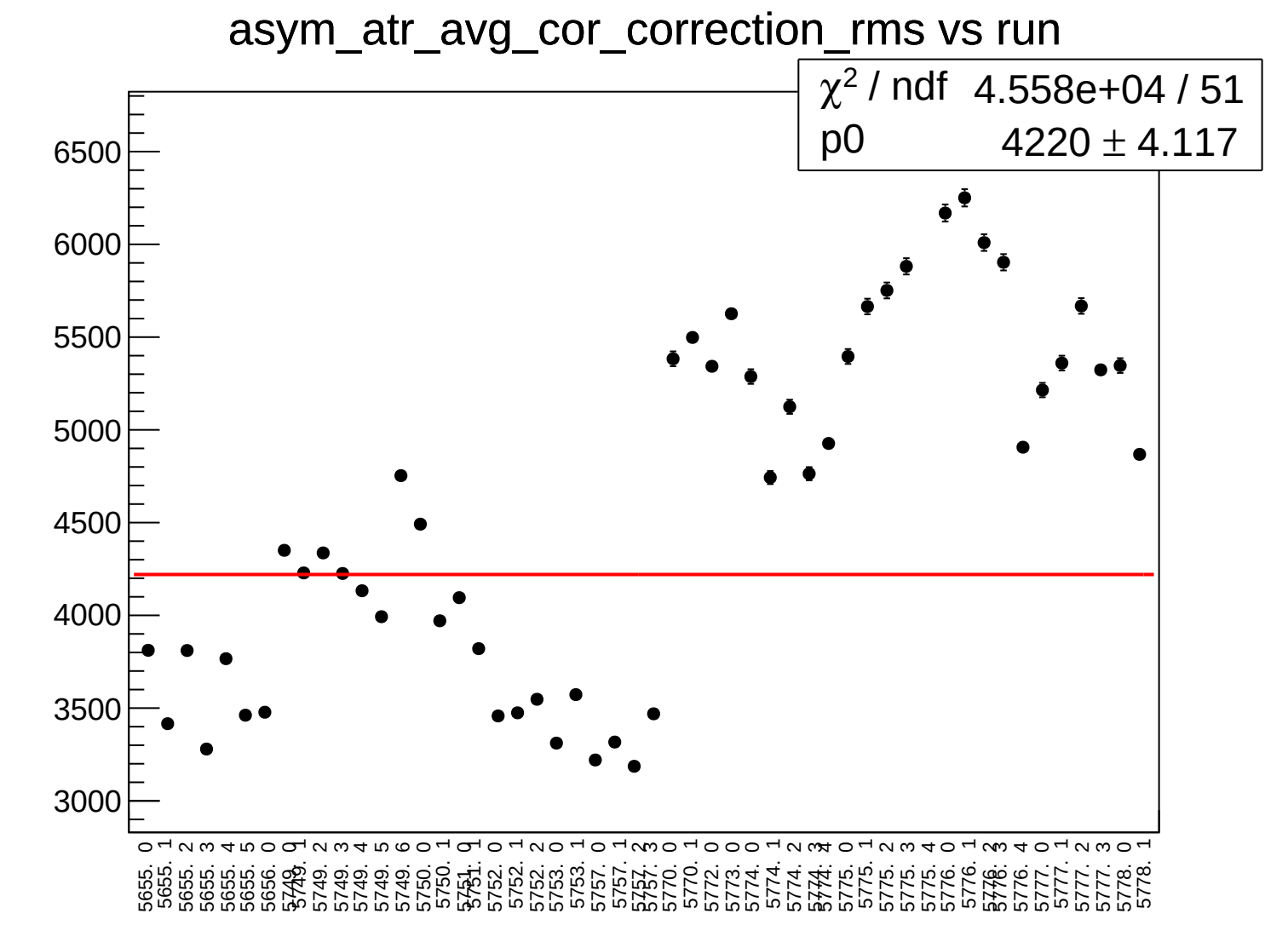

cor_asym_atr_avg_mean vs run
χ² / ndf 46.95 / 51
p0 −2726 ± 2421
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 80.87
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

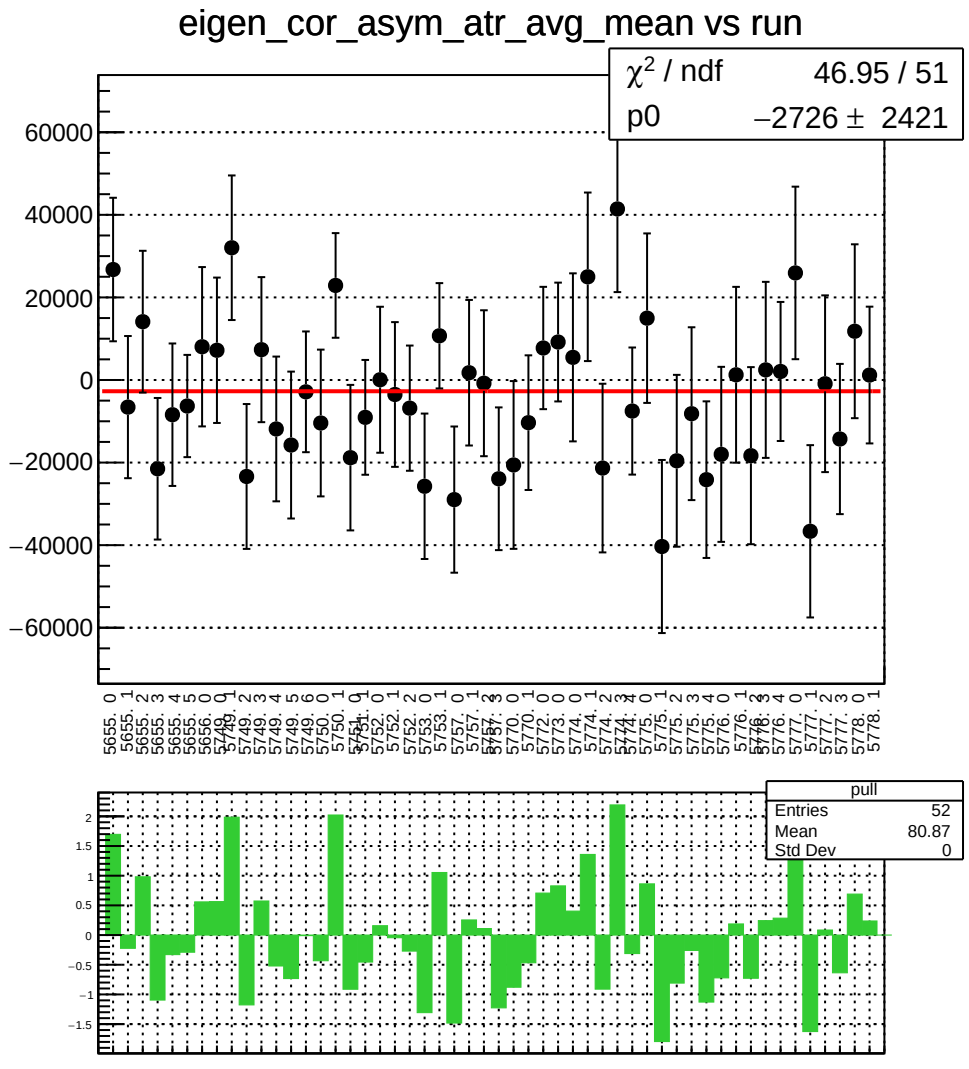

pull1D
Entries 52
Mean −0.02633
Std Dev 0.9499
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

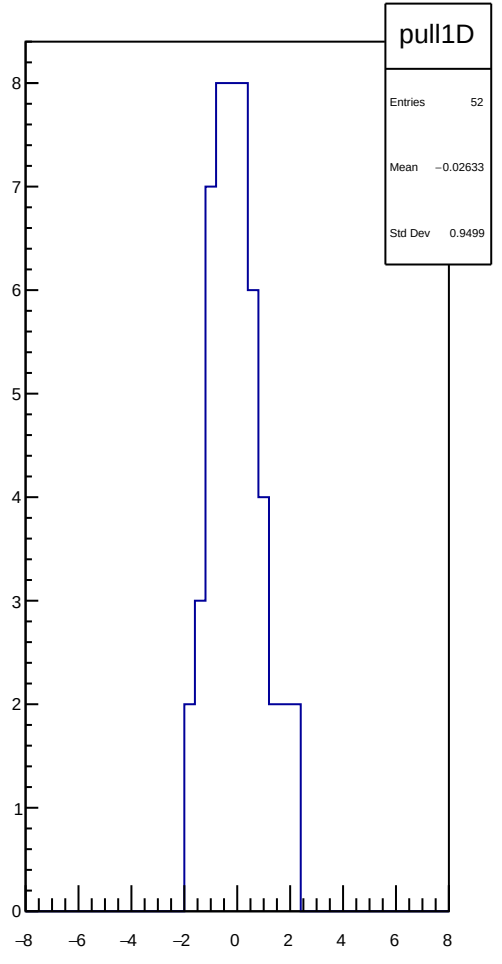

cor_asym_atr_avg_rms vs run
χ² / ndf 7734 / 51
p0 1786 ± 1.712
2000
1900
1800
1700
1600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

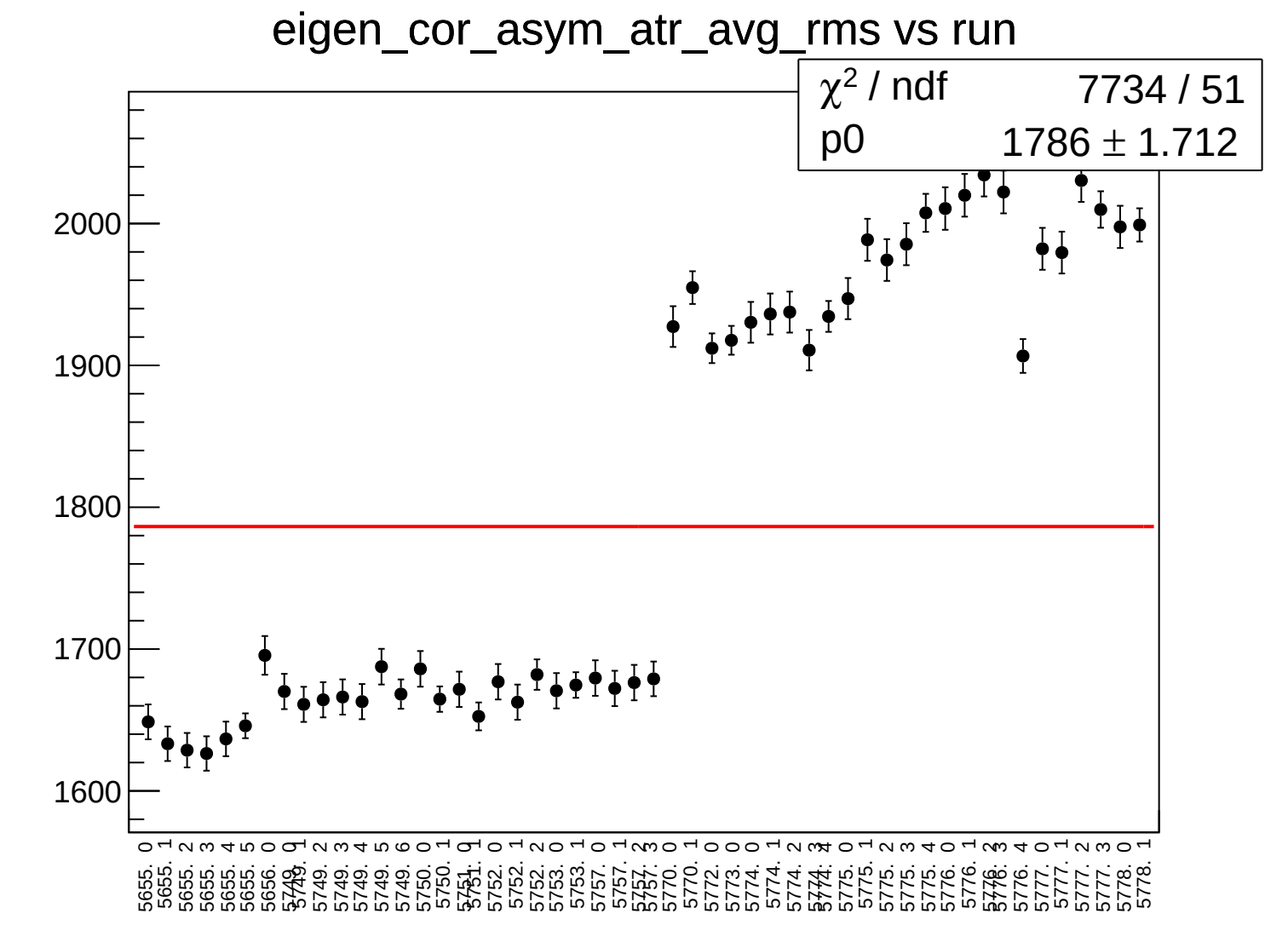

asym_atr_avg_cor_correction_mean vs run
×10^3
χ² / ndf 49.19 / 51
p0 −3192 ± 5822
200
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean 45.94
Std Dev 43.48
2
1
0
−1
−2

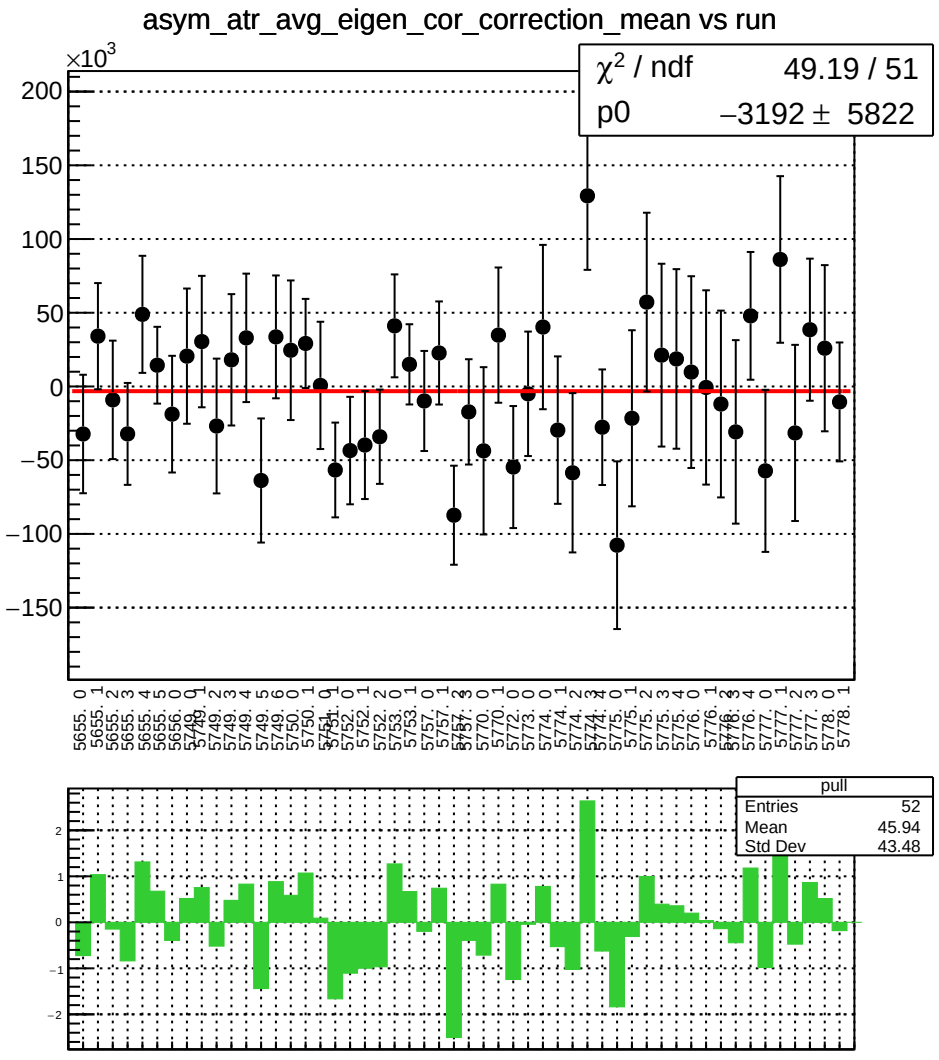

pull1D
Entries 52
Mean 0.01673
Std Dev 0.9724
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

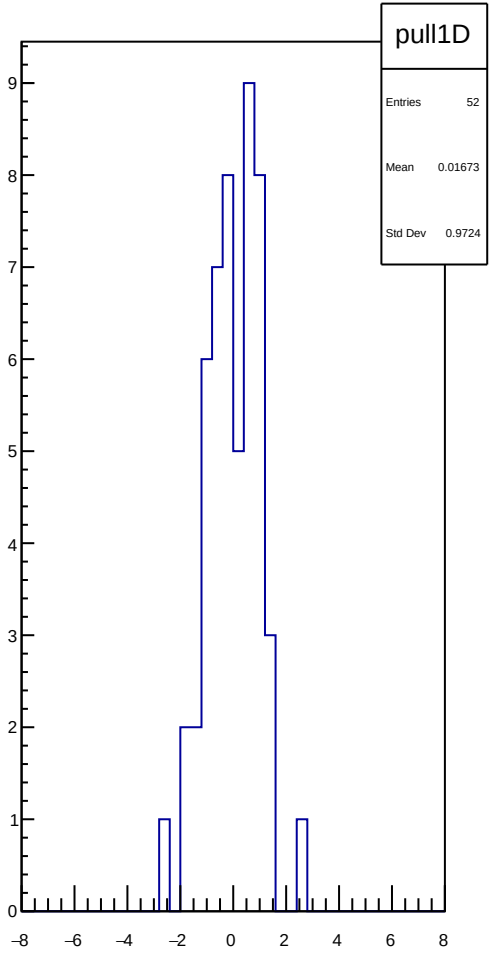

asym_atr_avg_cor_correction_rms vs run
χ² / ndf 4.558e+04 / 51
p0 4220 ± 4.117
6500
6000
5500
5000
4500
4000
3500
3000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

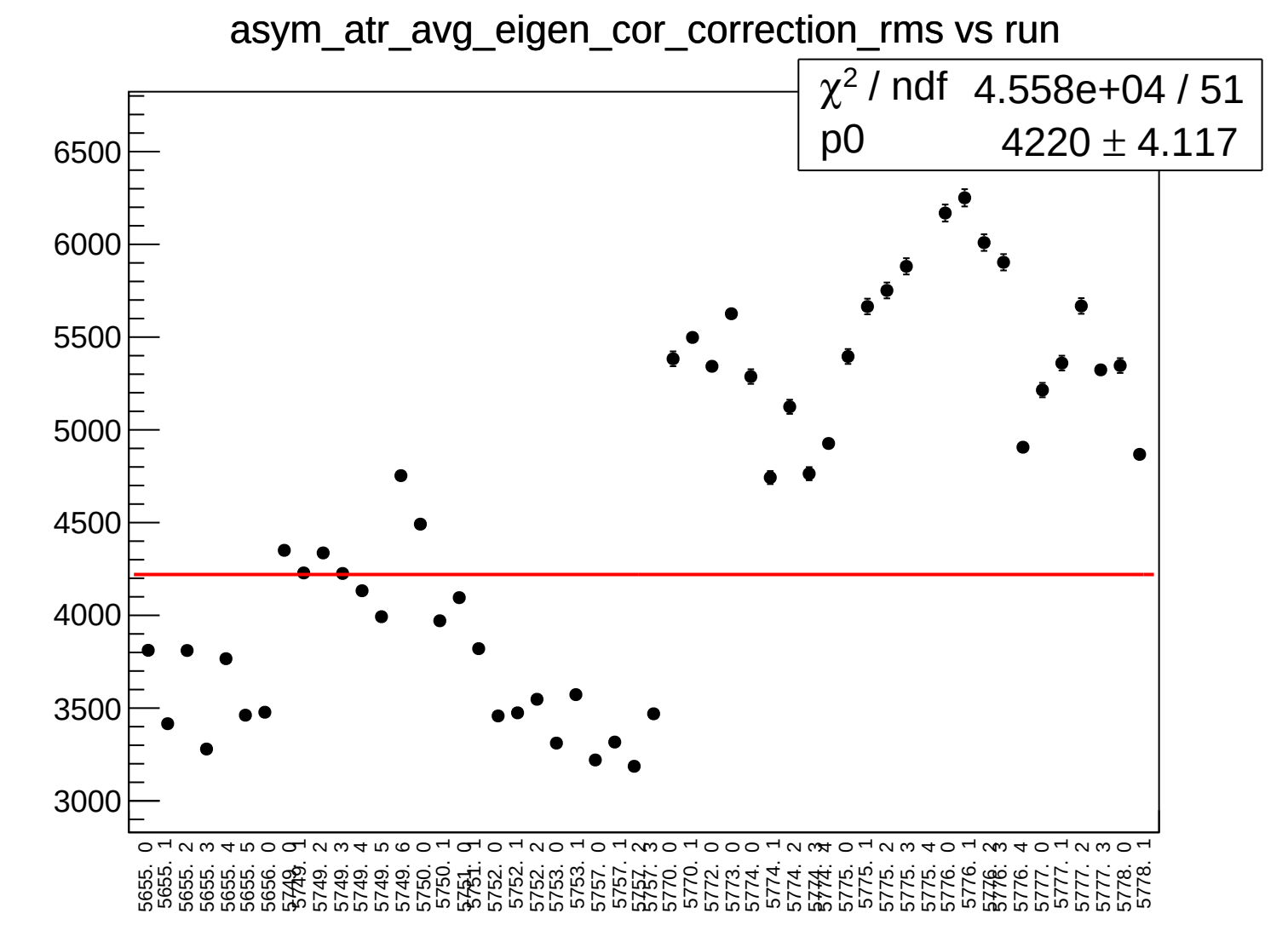

eigen_cor_asym_atr_avg_mean vs run
χ² / ndf 46.95 / 51
p0 −2726 ± 2421
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 80.87
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 52
Mean −0.02633
Std Dev 0.9499
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atr_avg_rms vs run
χ² / ndf 7734 / 51
p0 1786 ± 1.712
2000
1900
1800
1700
1600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atr_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 49.19 / 51
p0 −3192 ± 5822
pull
Entries 52
Mean 45.94
Std Dev 43.48


pull1D
Entries 52
Mean 0.01673
Std Dev 0.9724


asym_atr_avg_eigen_cor_correction_rms vs run
χ² / ndf 4.558e+04 / 51
p0 4220 ± 4.117
6500
6000
5500
5000
4500
4000
3500
3000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
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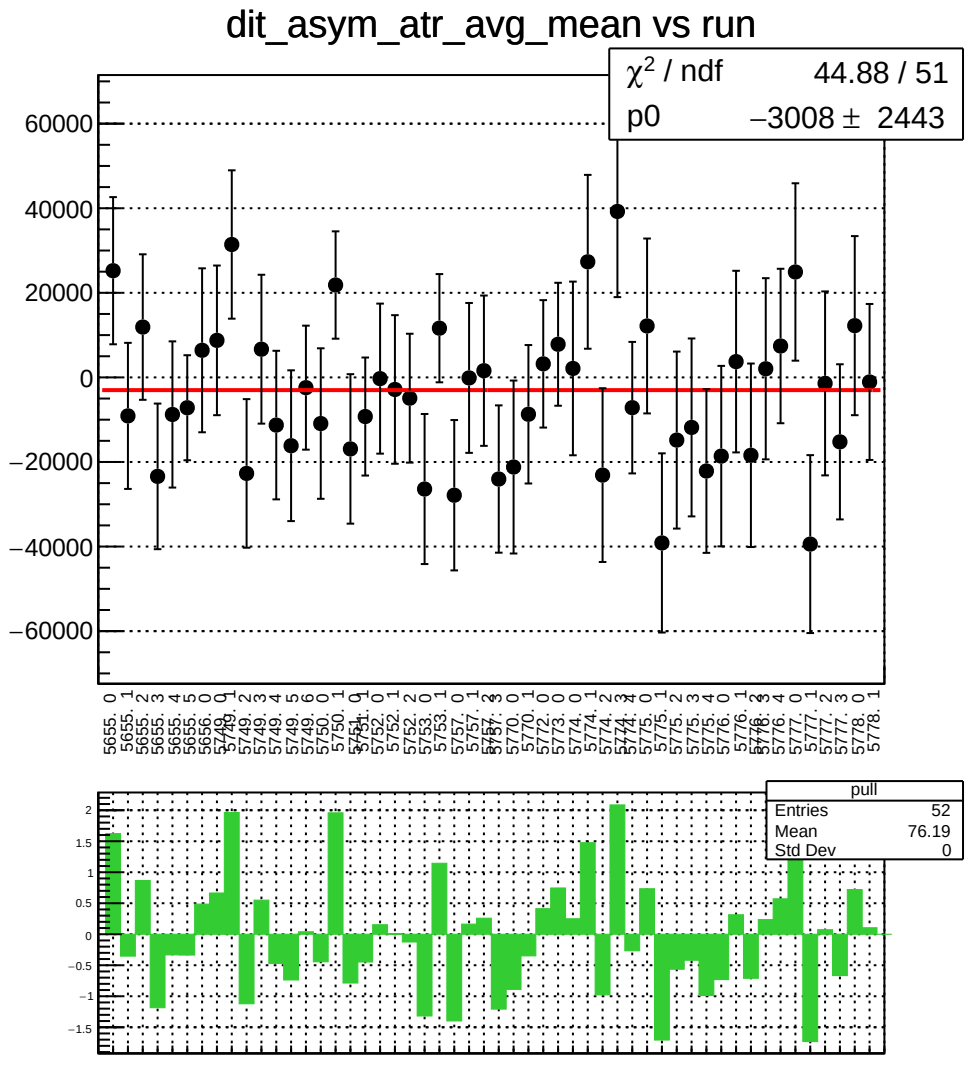
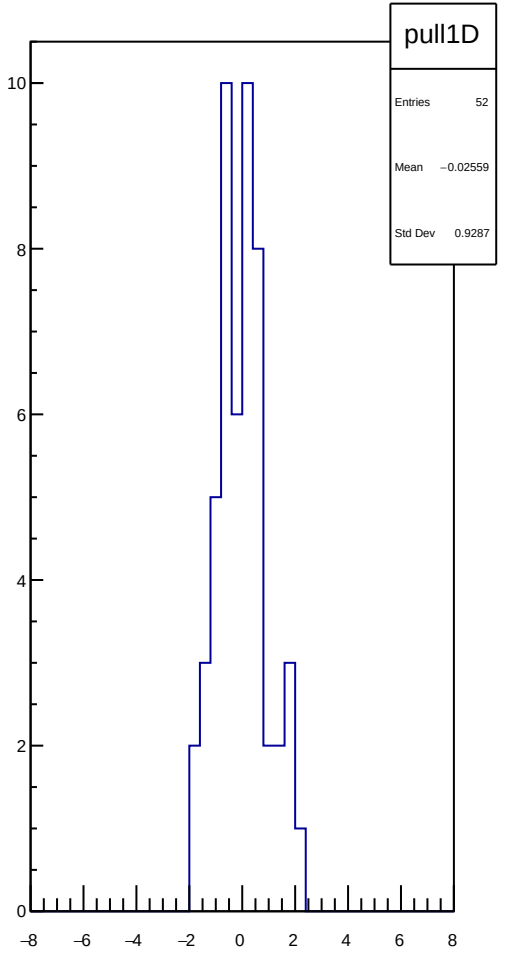
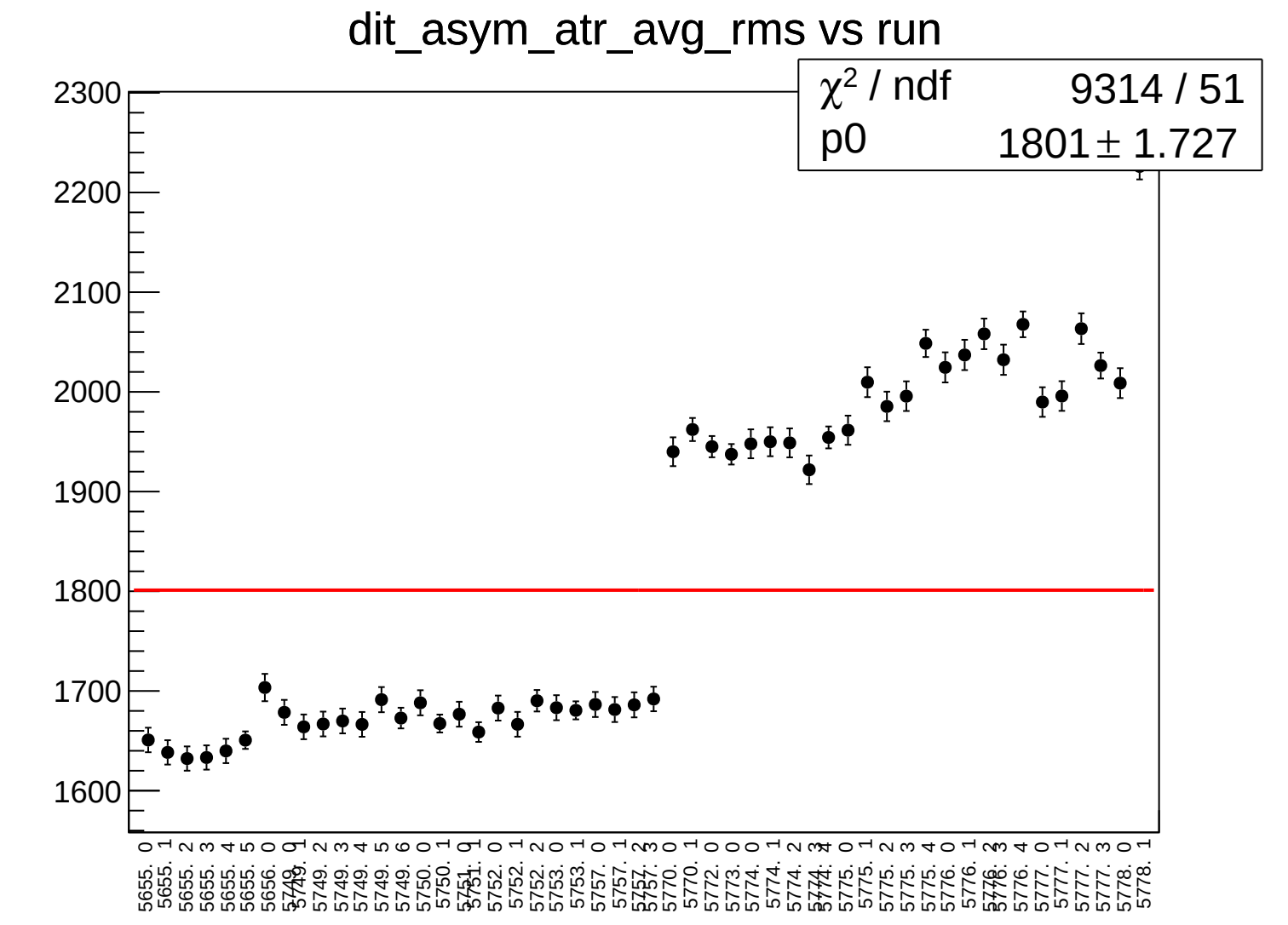
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


dit_asym_atr_avg_mean vs run
χ² / ndf 44.88 / 51
p0 −3008 ± 2443
pull
Entries 52
Mean 76.19
Std Dev 0


pull1D
Entries 52
Mean −0.02559
Std Dev 0.9287


dit_asym_atr_avg_rms vs run
χ² / ndf 9314 / 51
p0 1801 ± 1.727
2300
2200
2100
2000
1900
1800
1700
1600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
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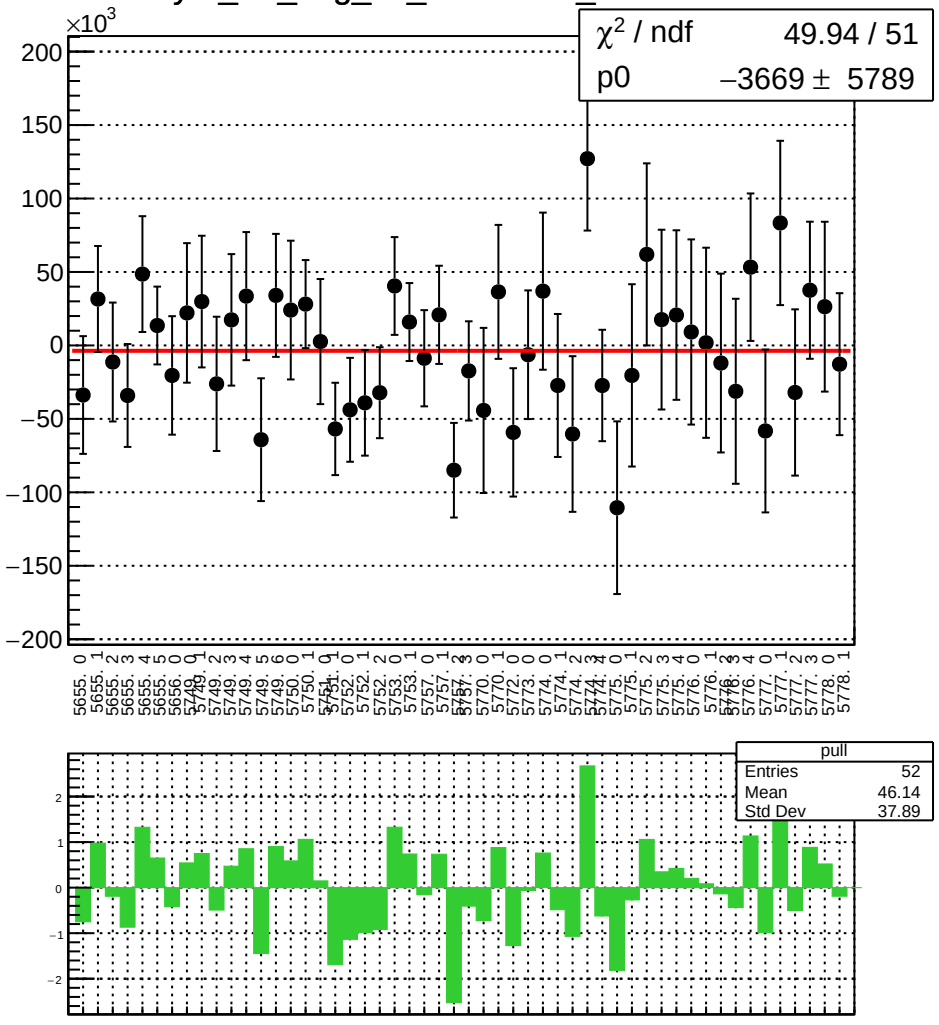
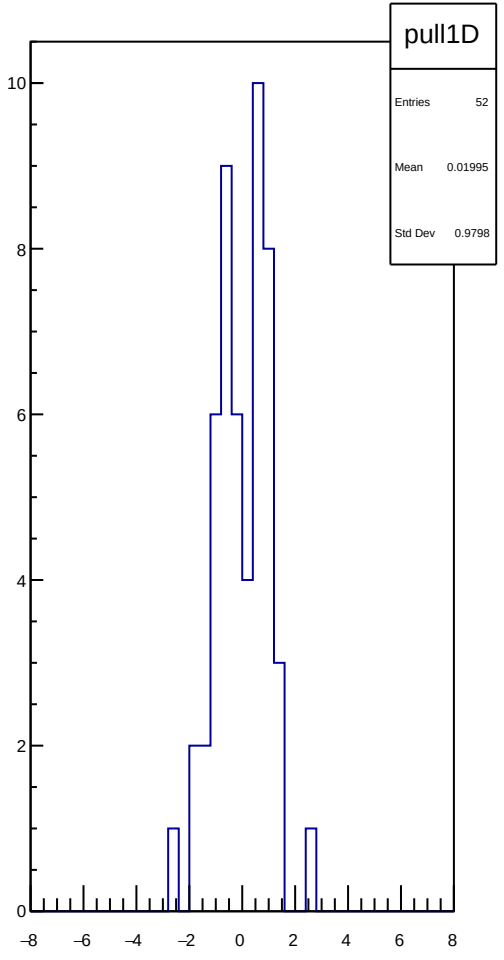
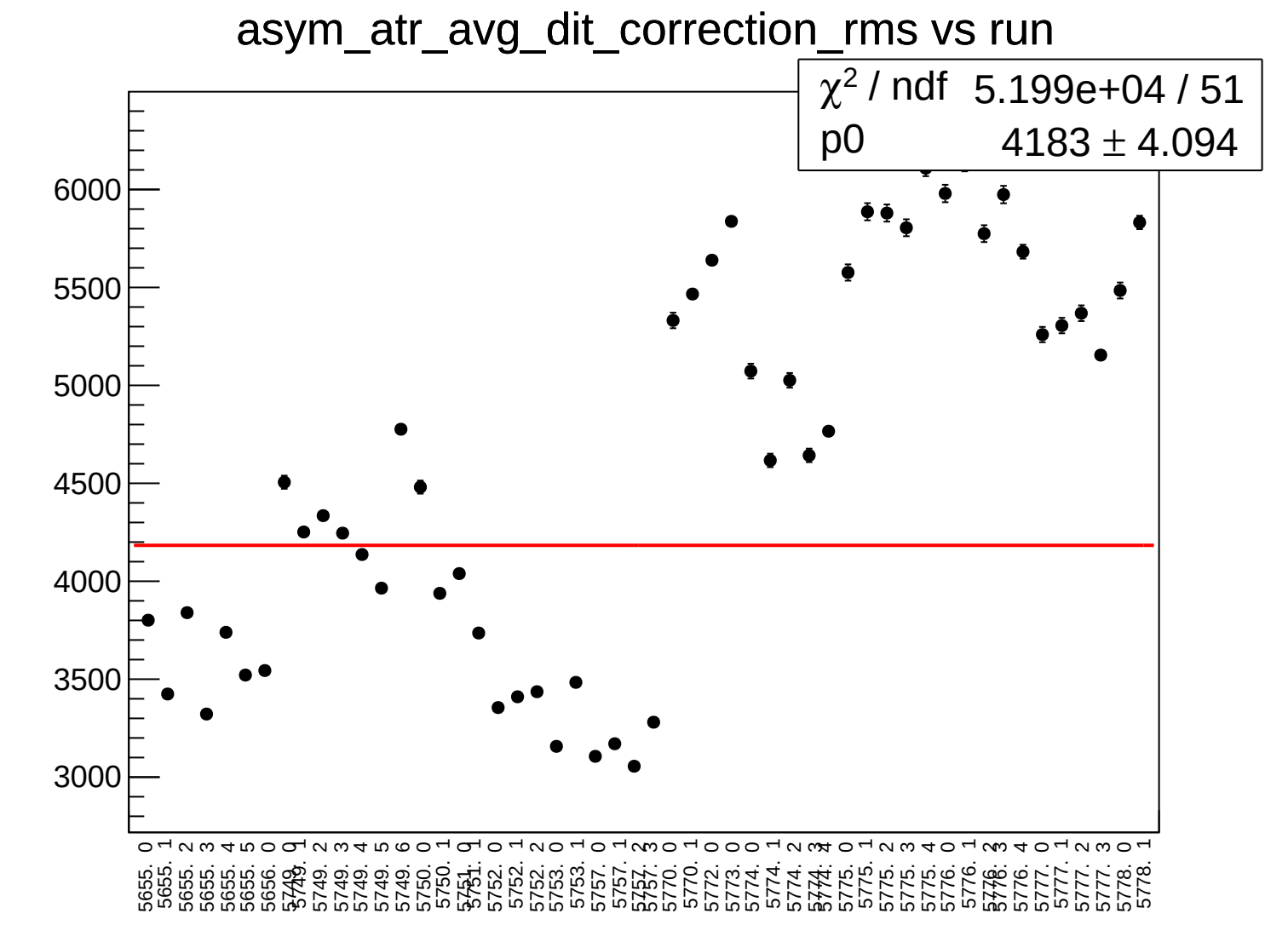
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atr_avg_dit_correction_mean vs run
×10^3
χ² / ndf 49.94 / 51
p0 −3669 ± 5789
pull
Entries 52
Mean 46.14
Std Dev 37.89


pull1D
Entries 52
Mean 0.01995
Std Dev 0.9798


asym_atr_avg_dit_correction_rms vs run
χ^2 / ndf 5.199e+04 / 51
p0 4183 ± 4.094
6000
5500
5000
4500
4000
3500
3000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
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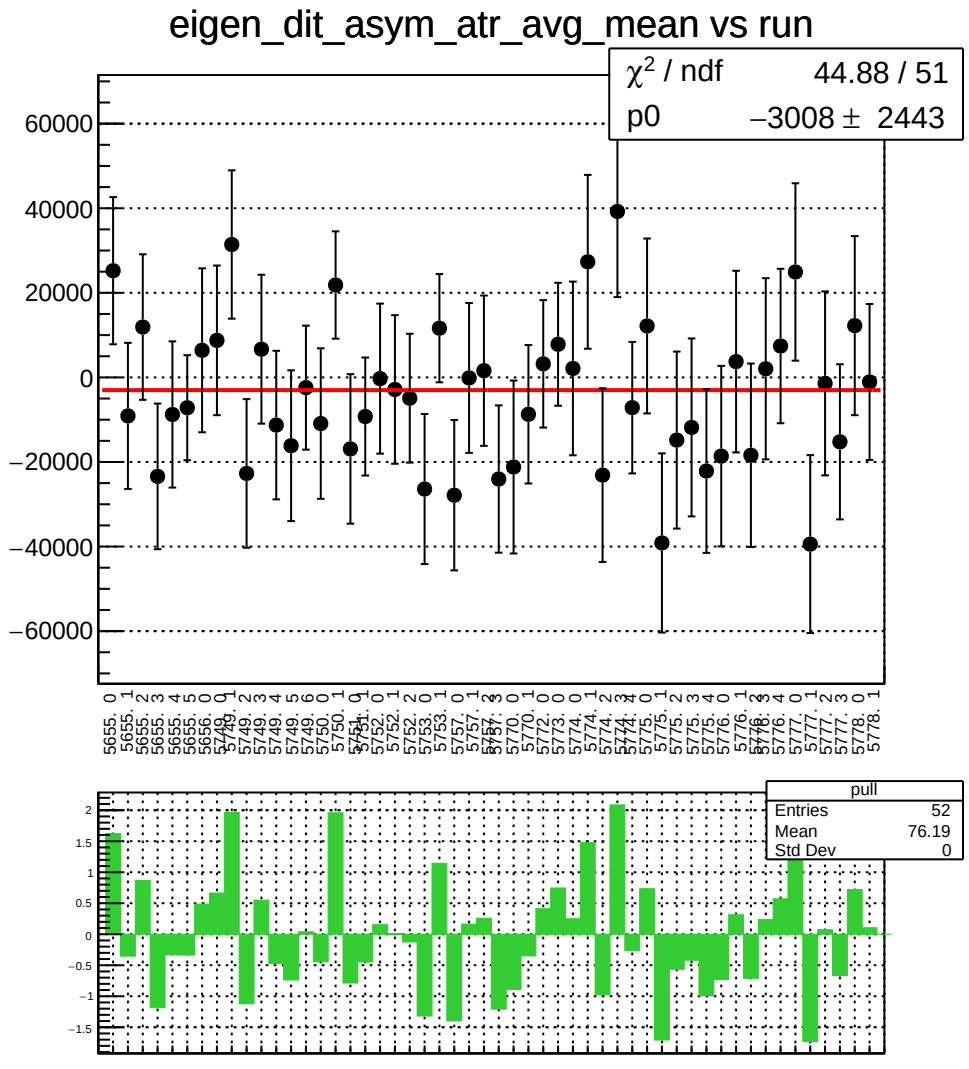
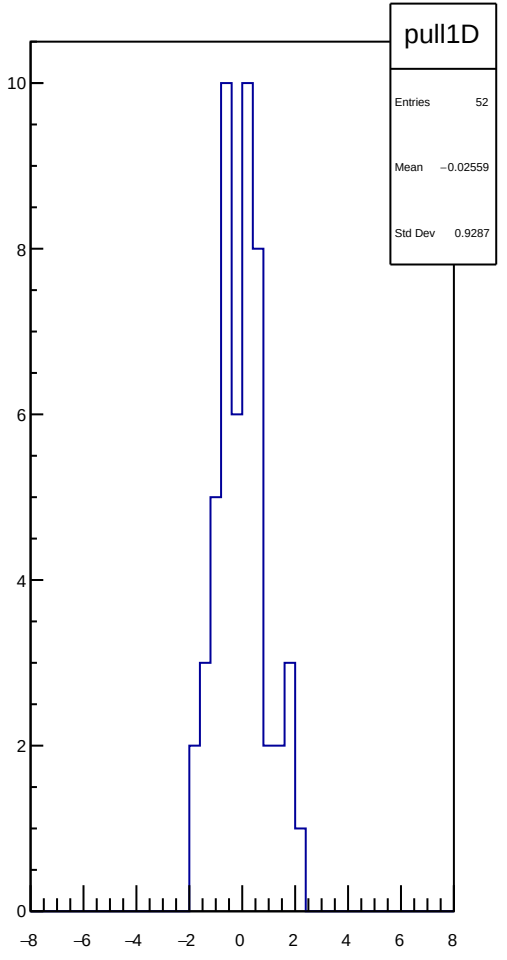
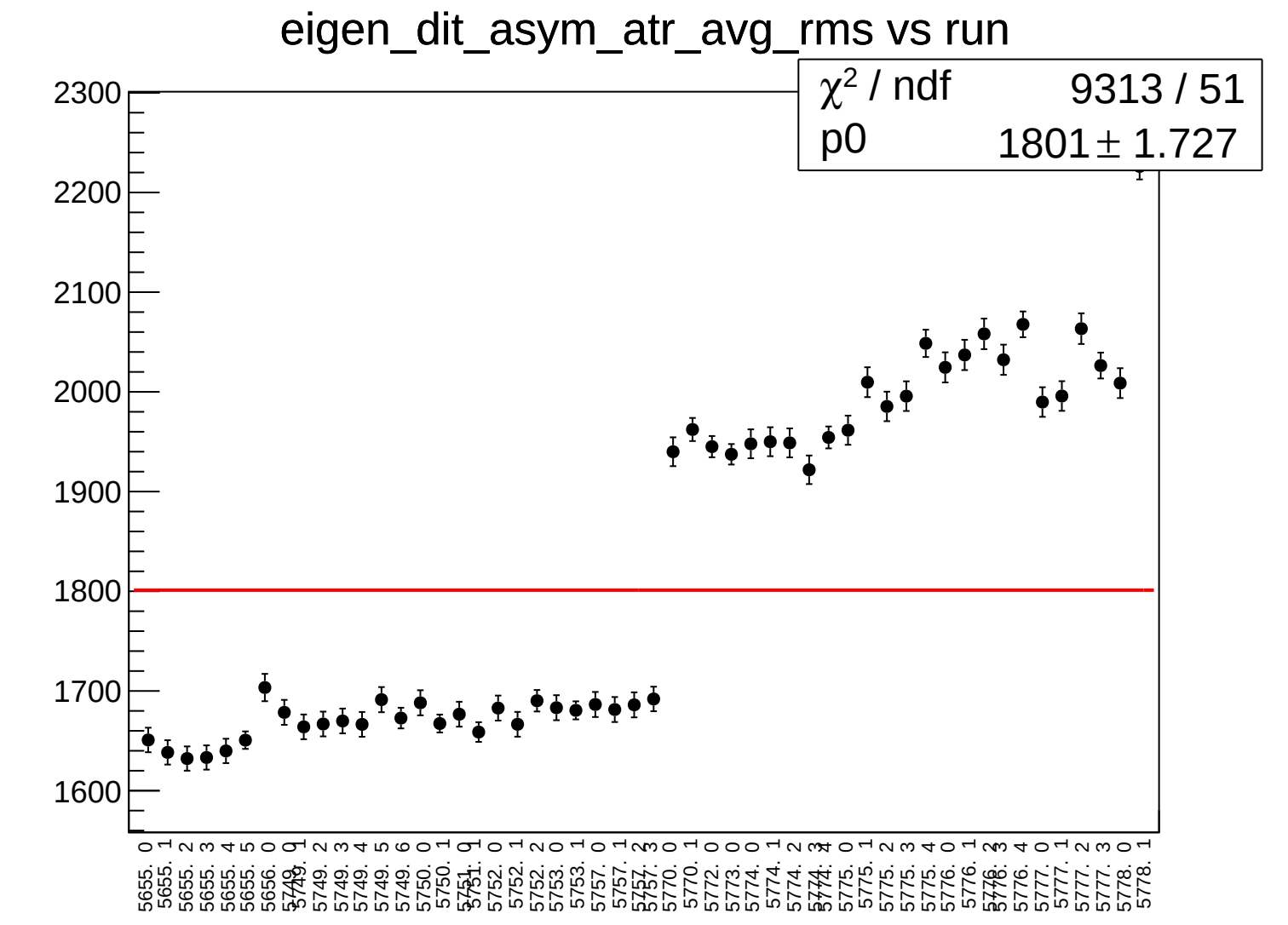
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_dit_asym_atr_avg_mean vs run
χ² / ndf 44.88 / 51
p0 −3008 ± 2443
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 76.19
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 52
Mean −0.02559
Std Dev 0.9287
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 9313 / 51
p0 1801 ± 1.727
2300
2200
2100
2000
1900
1800
1700
1600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
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5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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5752. 1
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5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
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5777. 2
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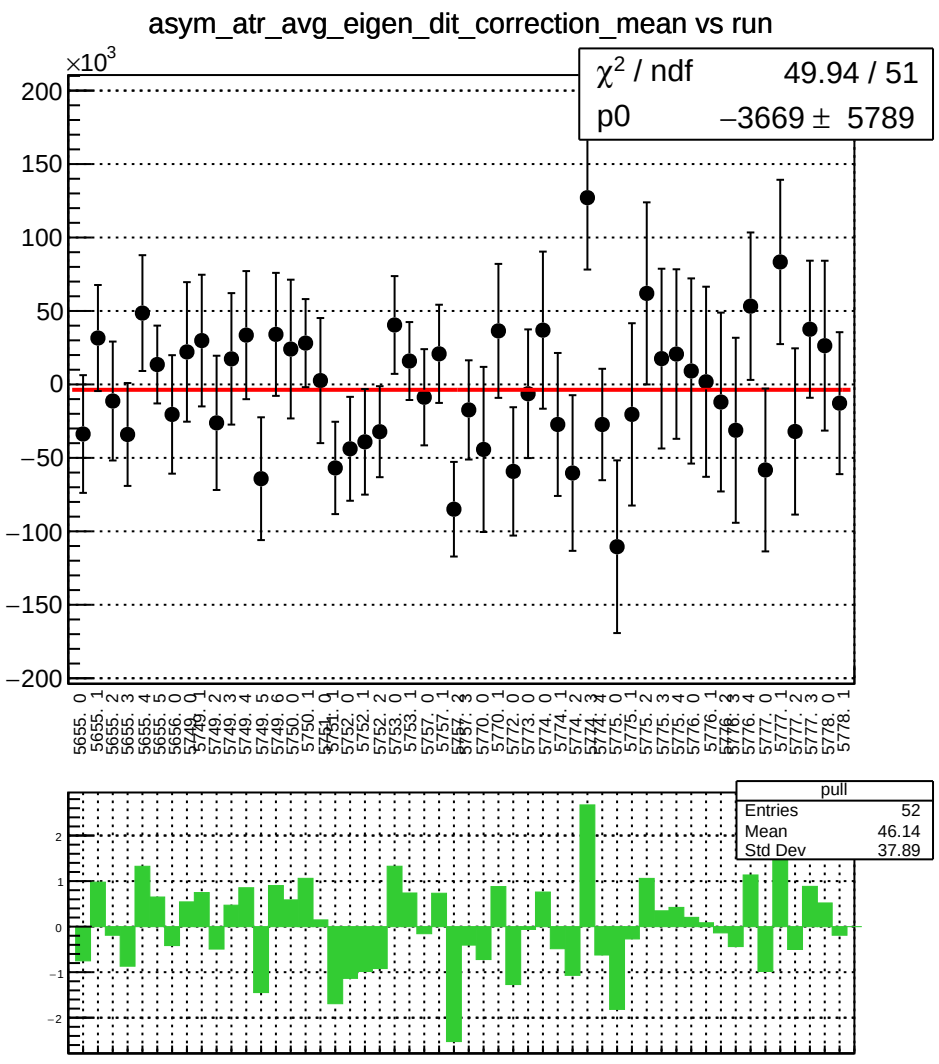
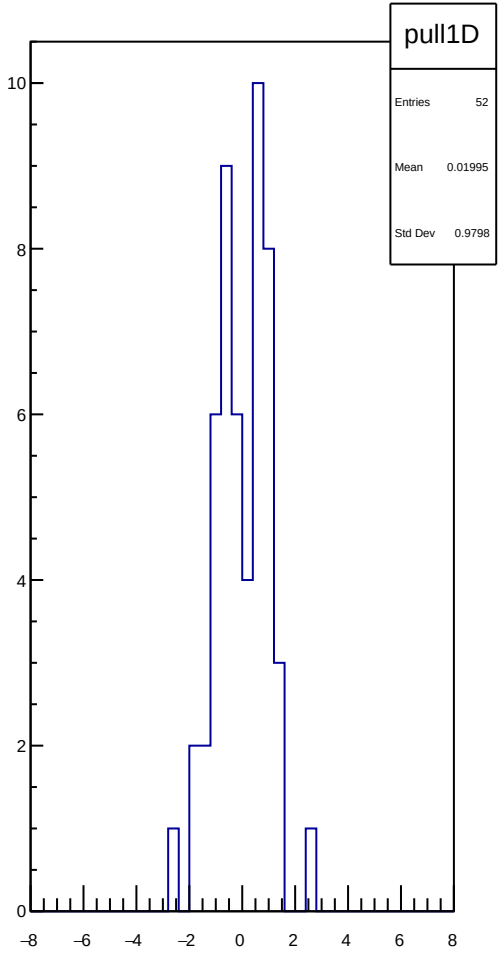
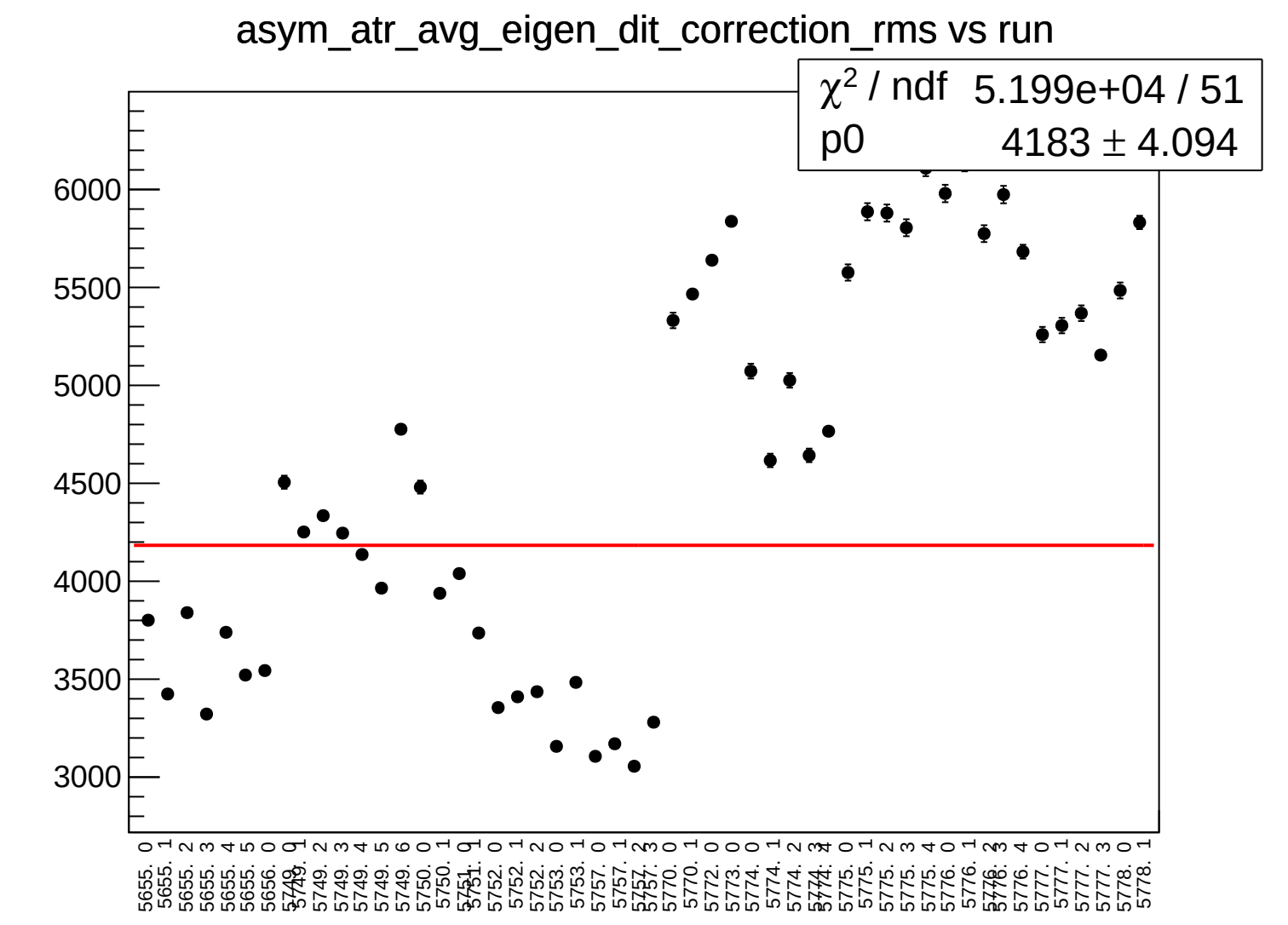
5778. 1


asym_atr_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 49.94 / 51
p0 −3669 ± 5789
pull
Entries 52
Mean 46.14
Std Dev 37.89


pull1D
Entries 52
Mean 0.01995
Std Dev 0.9798


asym_atr_avg_eigen_dit_correction_rms vs run
χ² / ndf 5.199e+04 / 51
p0 4183 ± 4.094
6000
5500
5000
4500
4000
3500
3000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5770. 1
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5775. 3
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5776. 1
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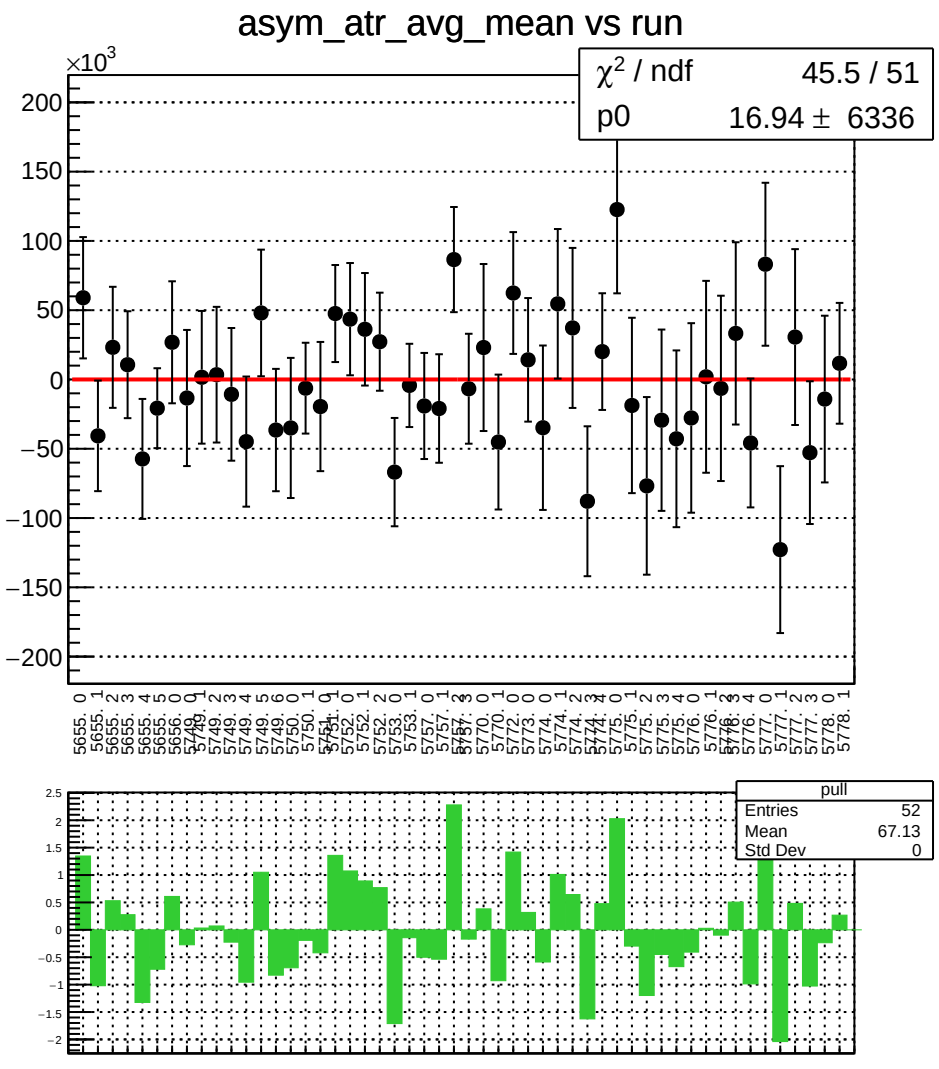
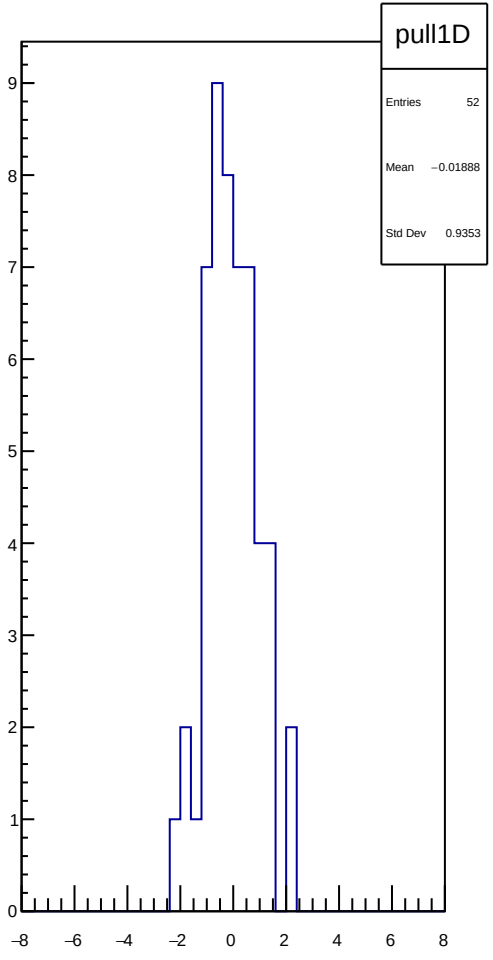
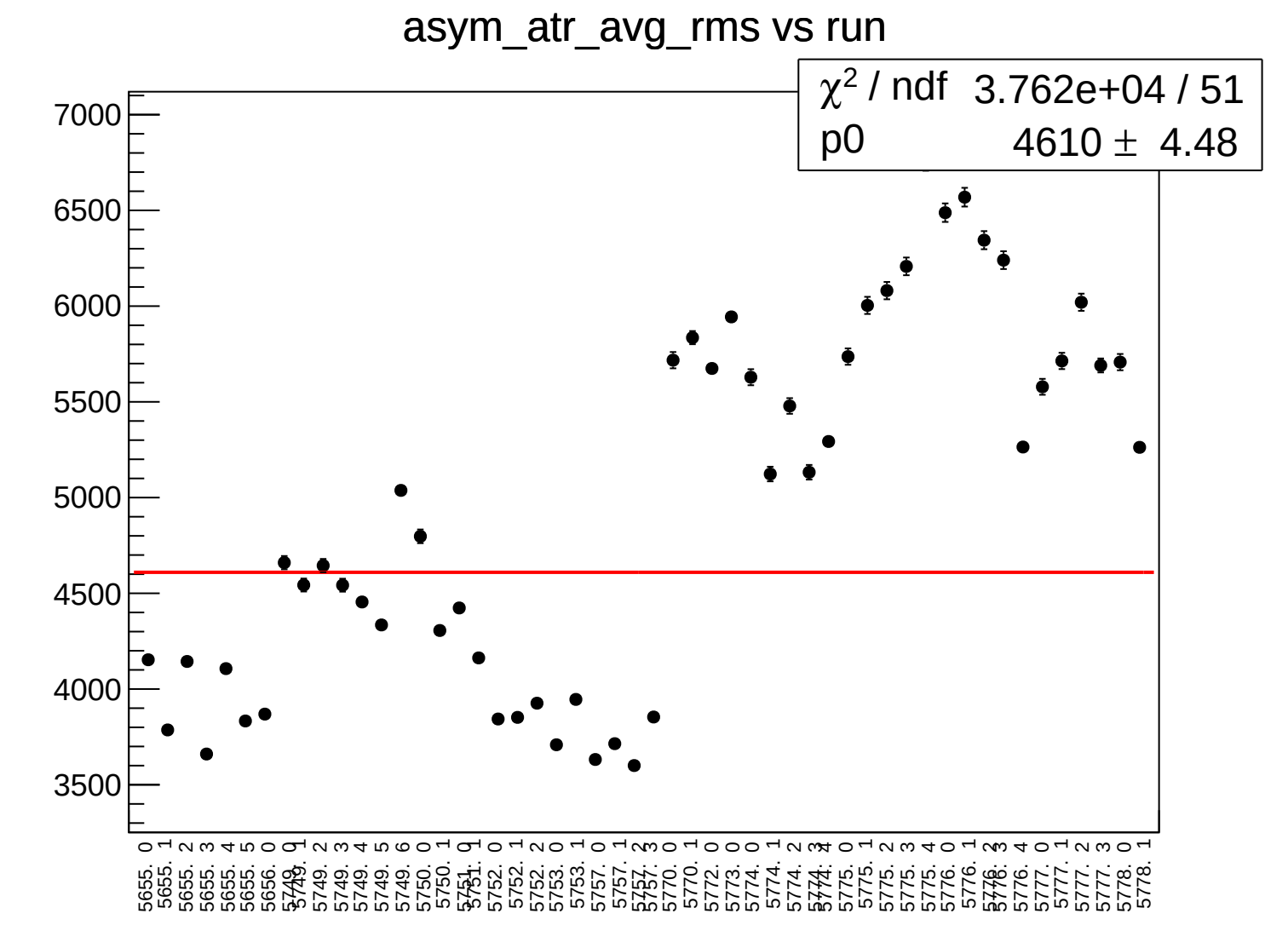
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atr_avg_mean vs run
×10^3
χ² / ndf 45.5 / 51
p0 16.94 ± 6336
pull
Entries 52
Mean 67.13
Std Dev 0


pull1D
Entries 52
Mean −0.01888
Std Dev 0.9353


asym_atr_avg_rms vs run
χ² / ndf 3.762e+04 / 51
p0 4610 ± 4.48
7000
6500
6000
5500
5000
4500
4000
3500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5774. 1
5774. 2
5774. 3
5774. 4
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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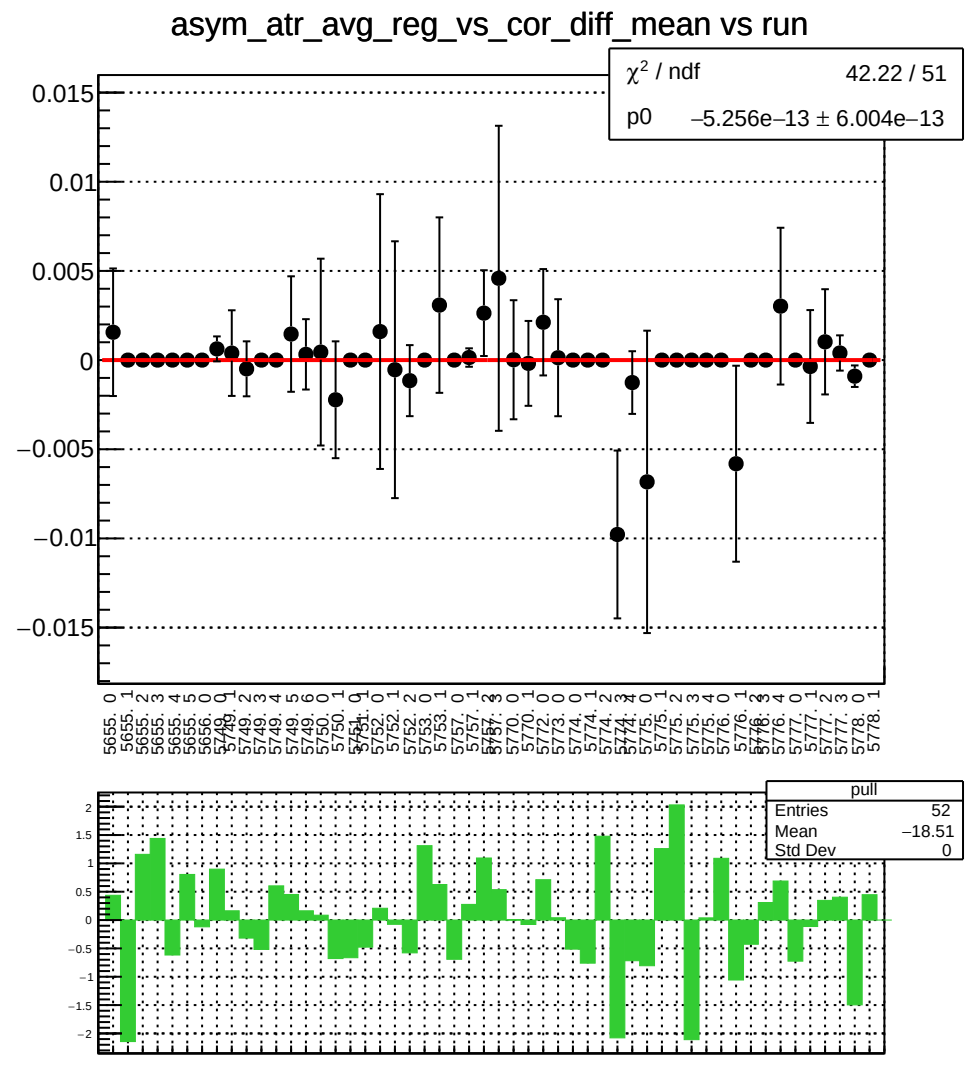
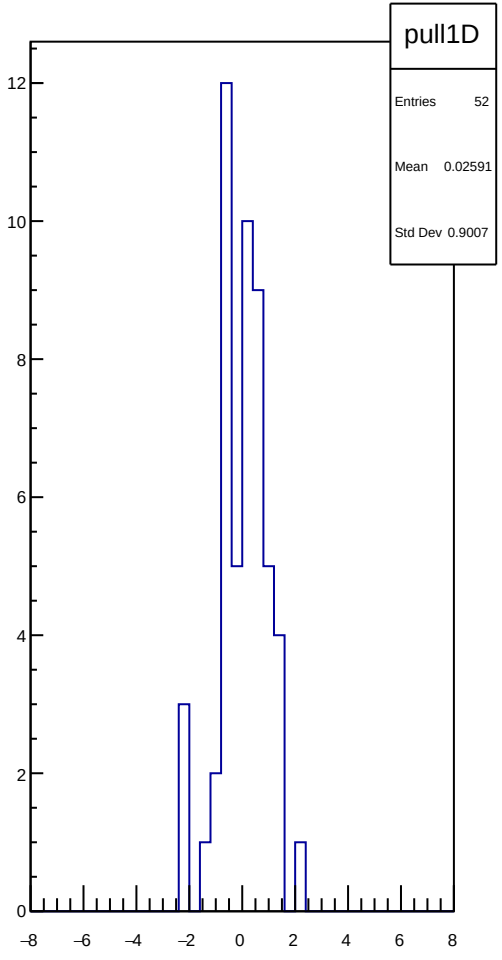
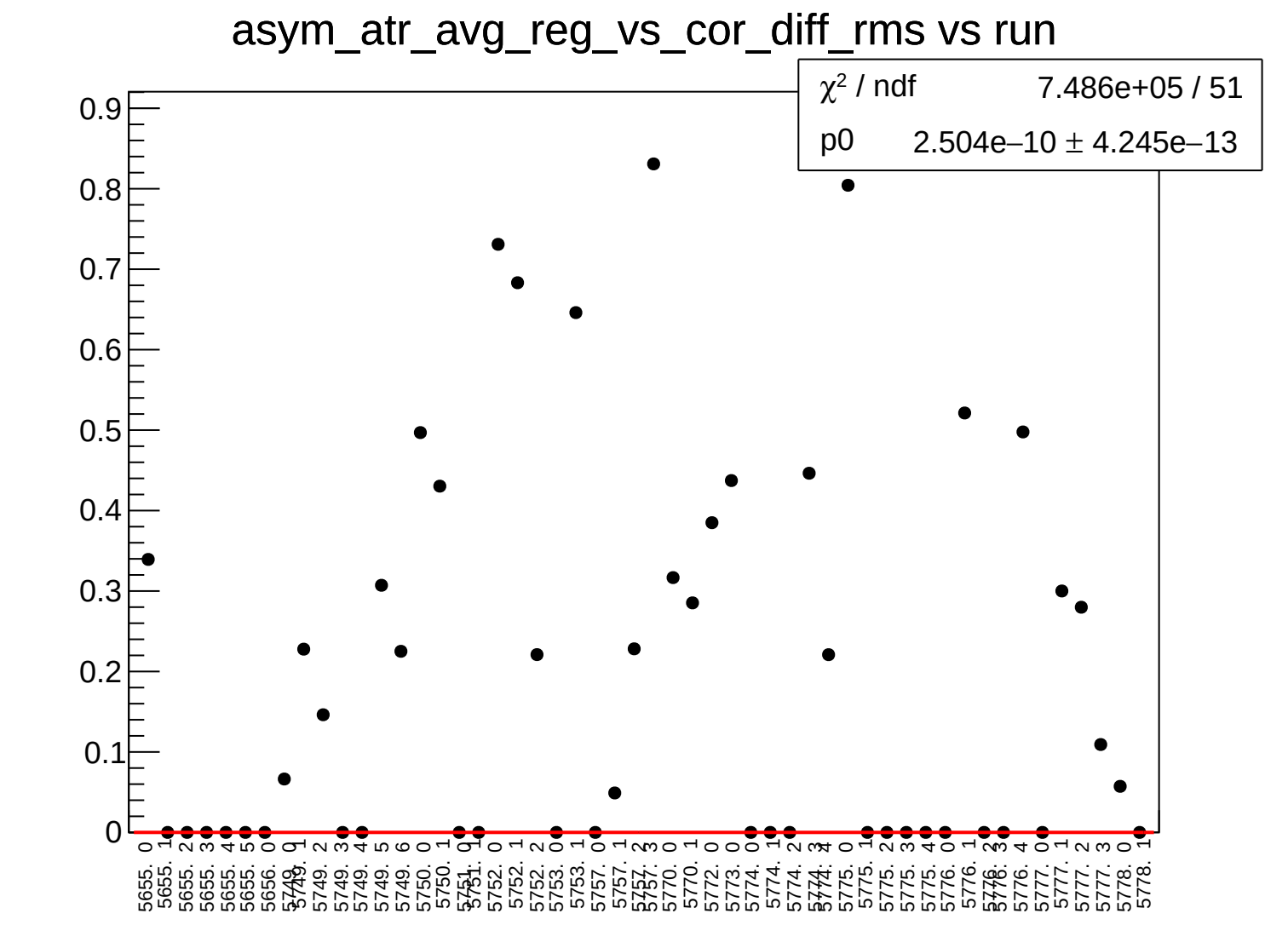
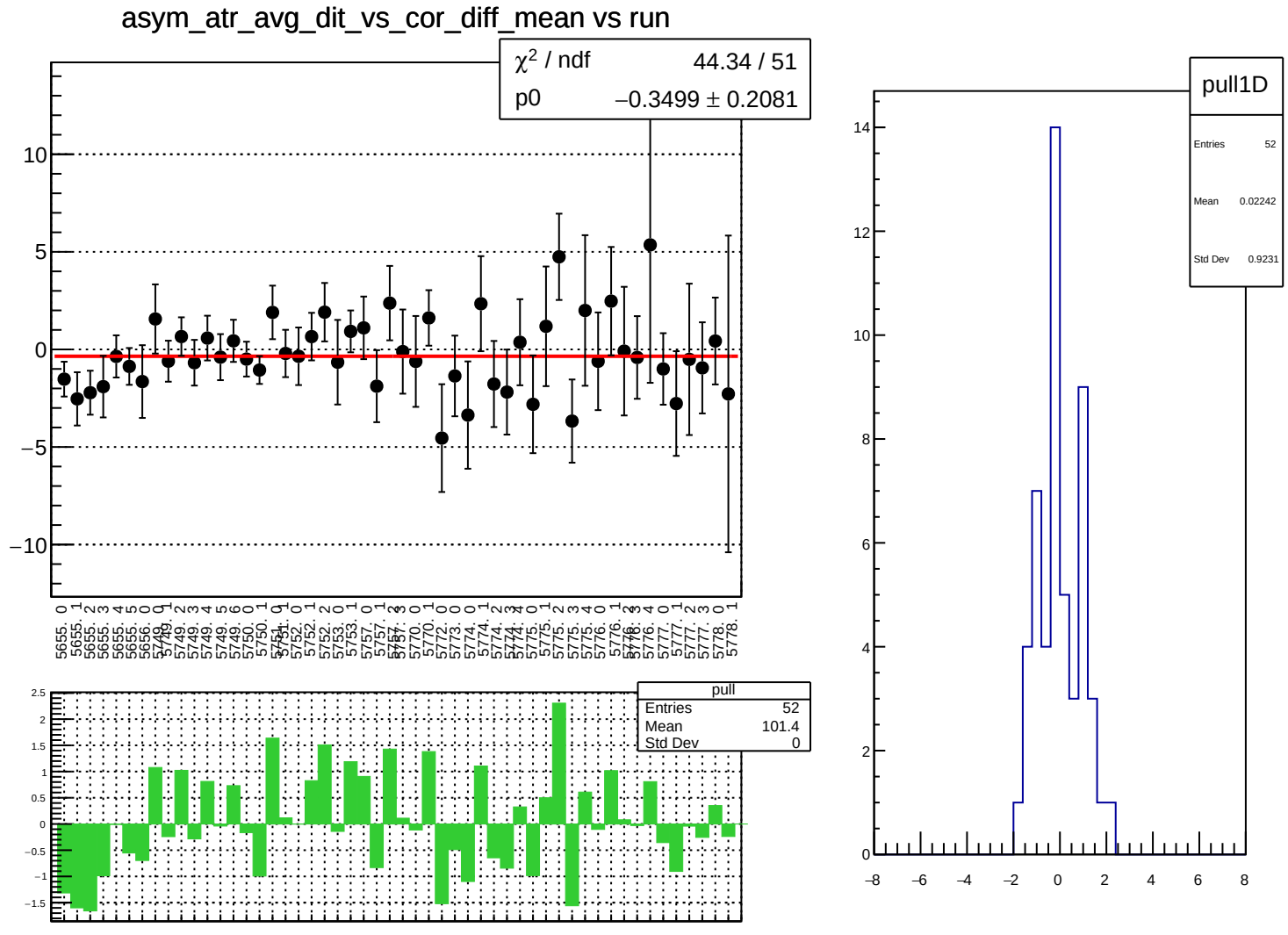
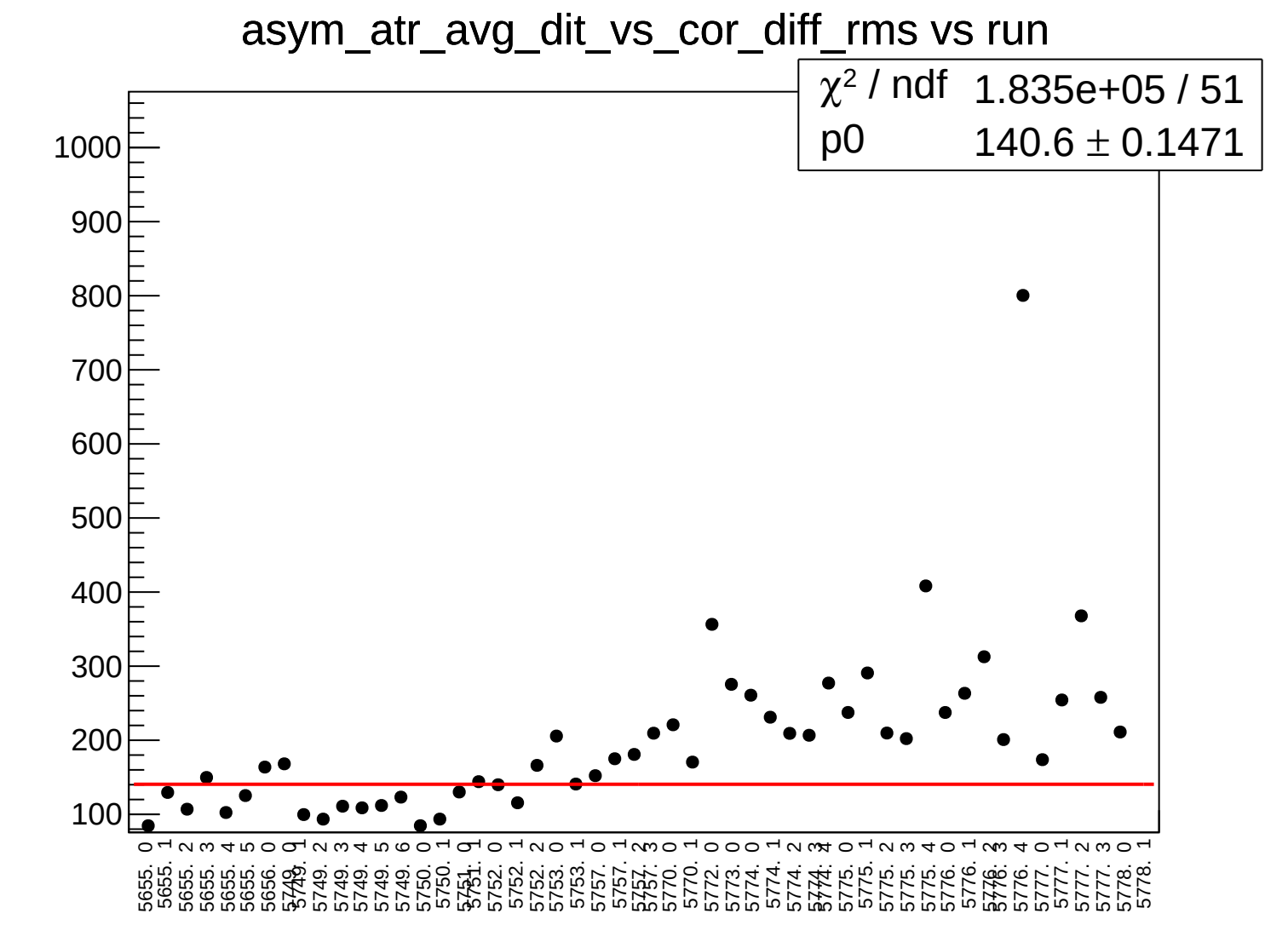
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

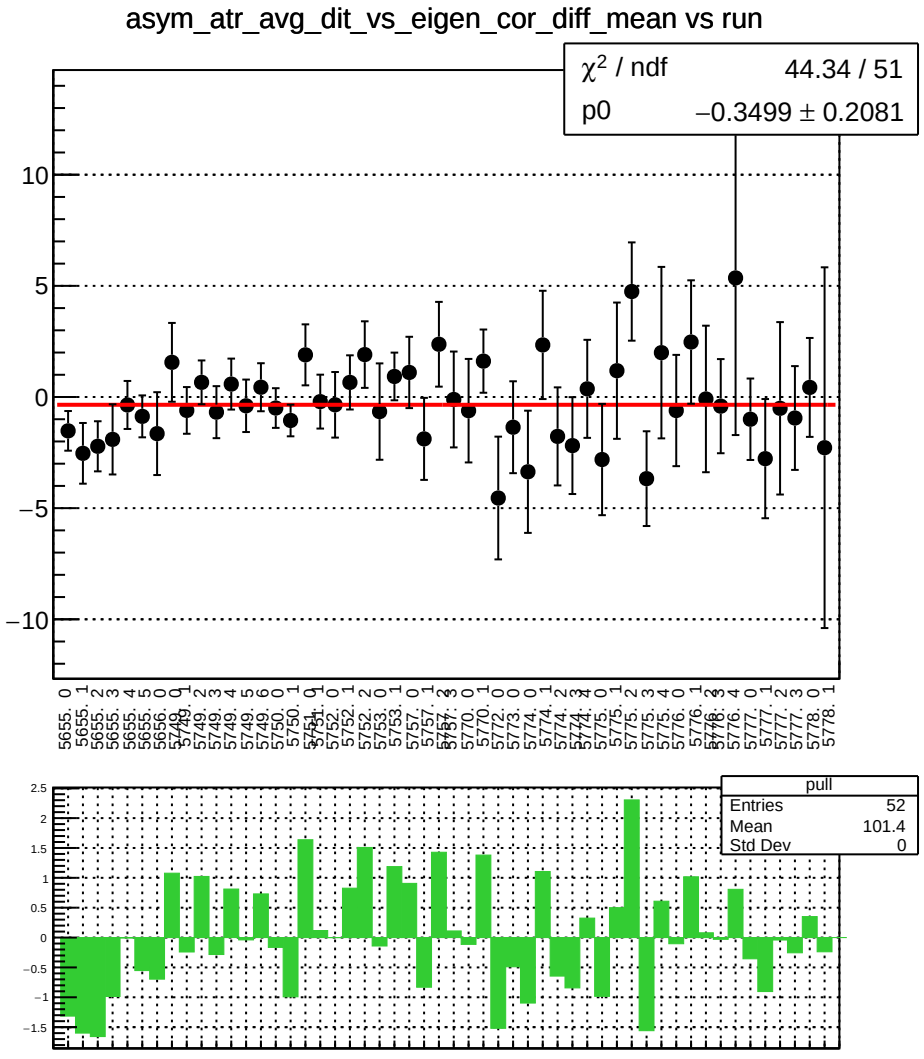

asym_atr_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 42.22 / 51
p0 −5.256e−13 ± 6.004e−13
pull
Entries 52
Mean −18.51
Std Dev 0

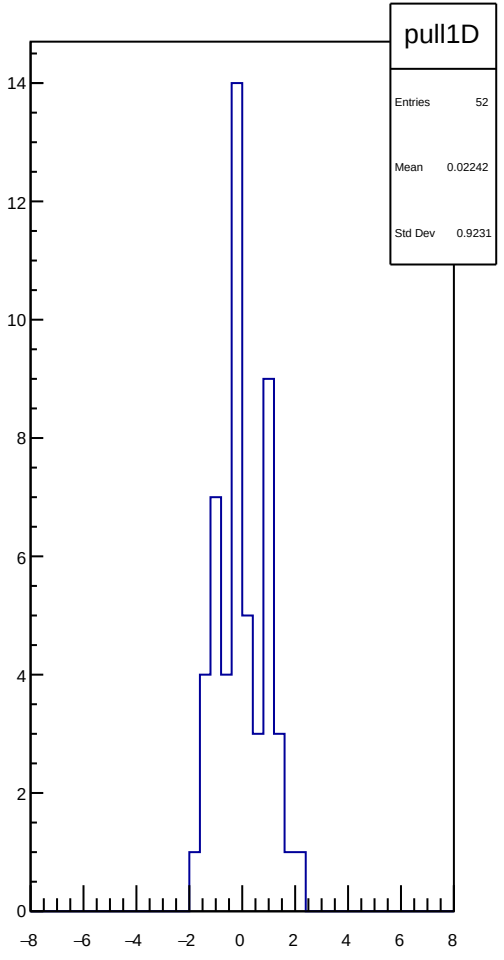

pull1D
Entries 52
Mean 0.02591
Std Dev 0.9007

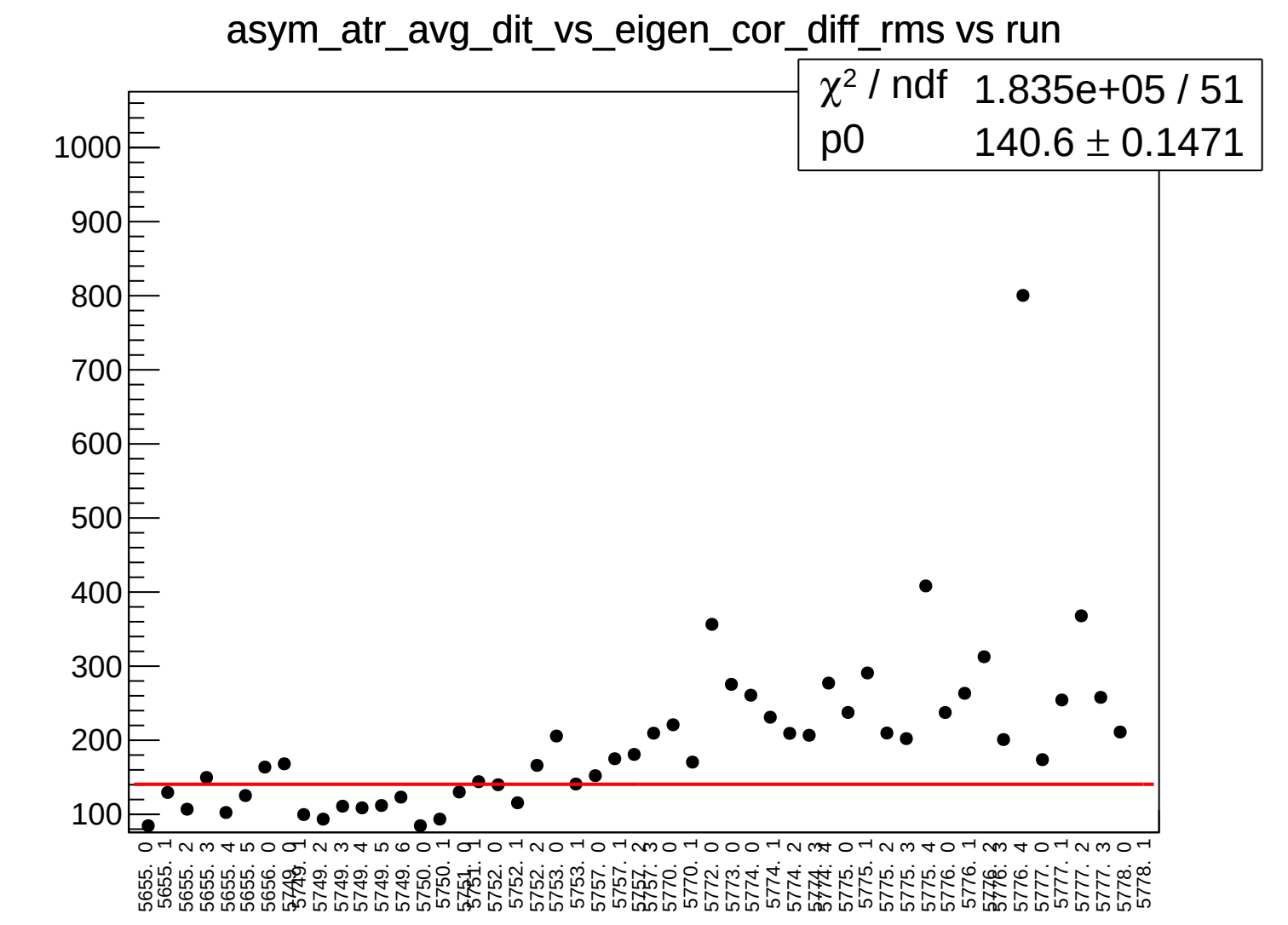

asym_atr_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.486e+05 / 51
p0 2.504e−10 ± 4.245e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

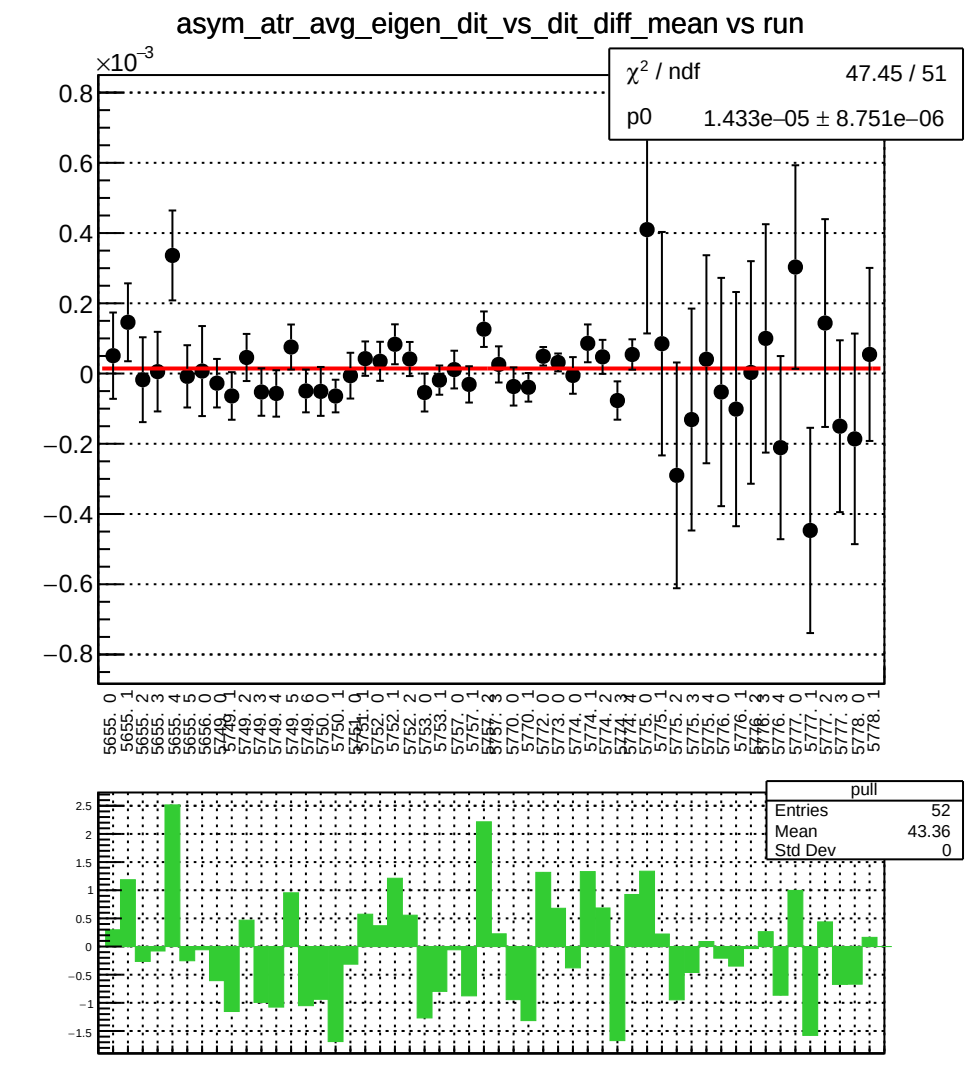

asym_atr_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 44.34 / 51
p0 −0.3499 ± 0.2081
pull
Entries 52
Mean 101.4
Std Dev 0
pull1D
Entries 52
Mean 0.02242
Std Dev 0.9231

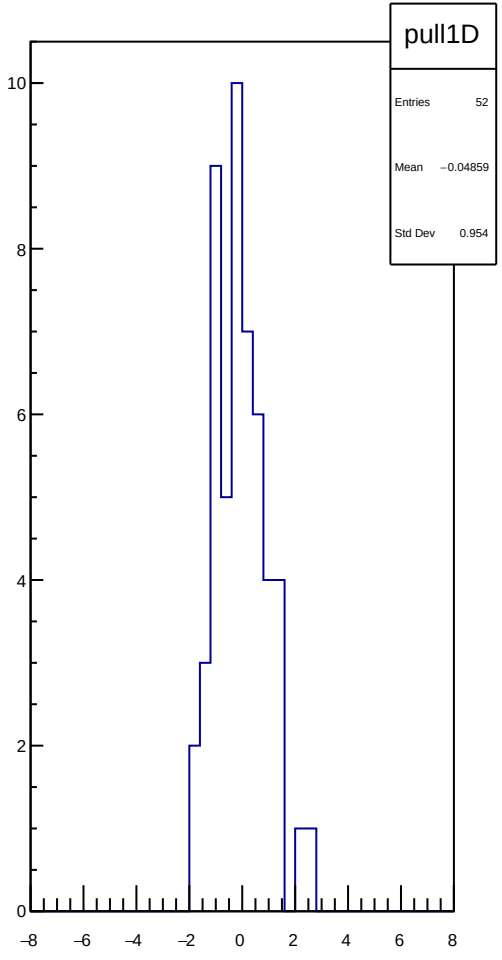

asym_atr_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.835e+05 / 51
p0 140.6 ± 0.1471
1000
900
800
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

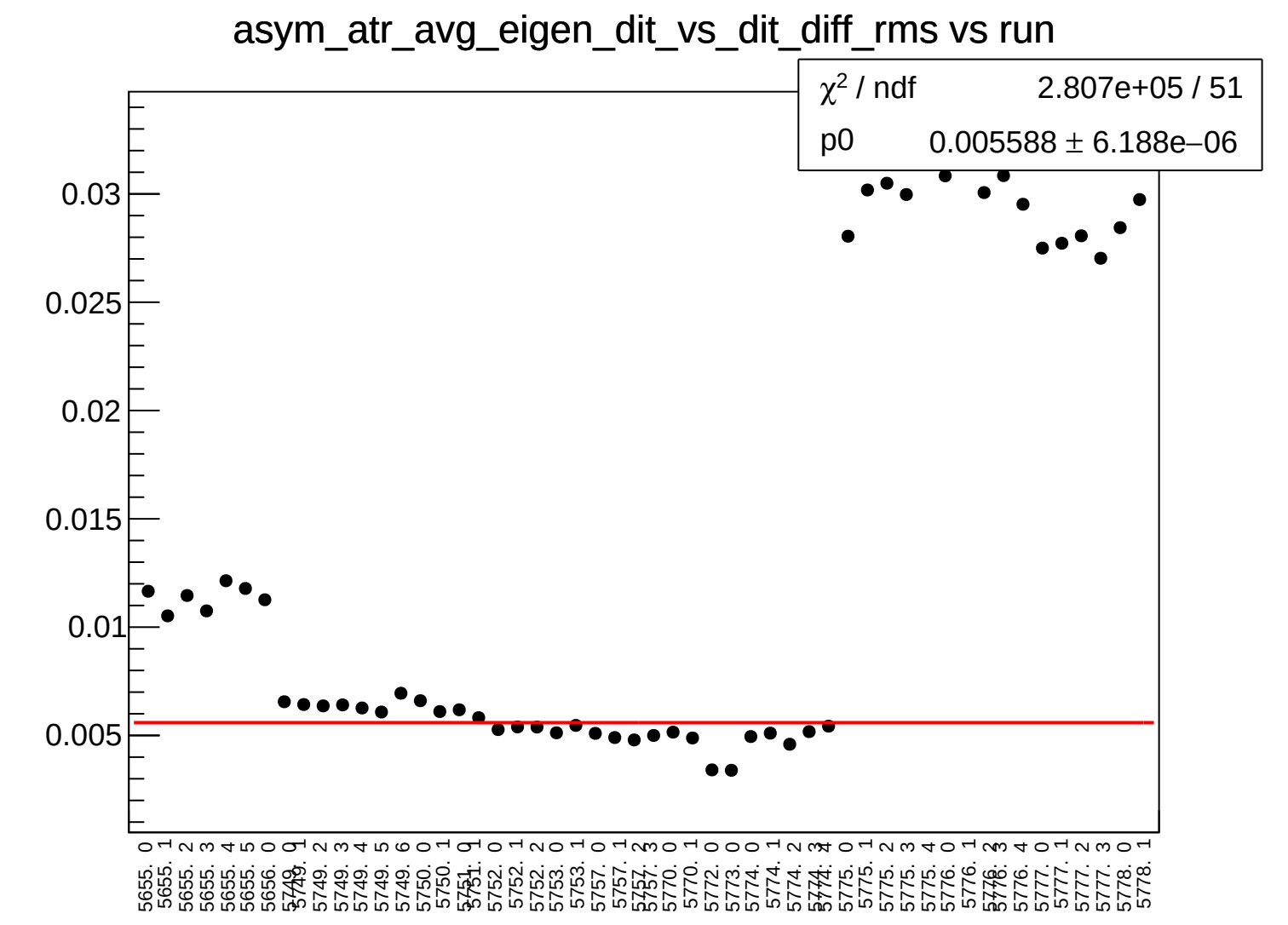

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.34 / 51
p0 −0.3499 ± 0.2081
pull
Entries 52
Mean 101.4
Std Dev 0

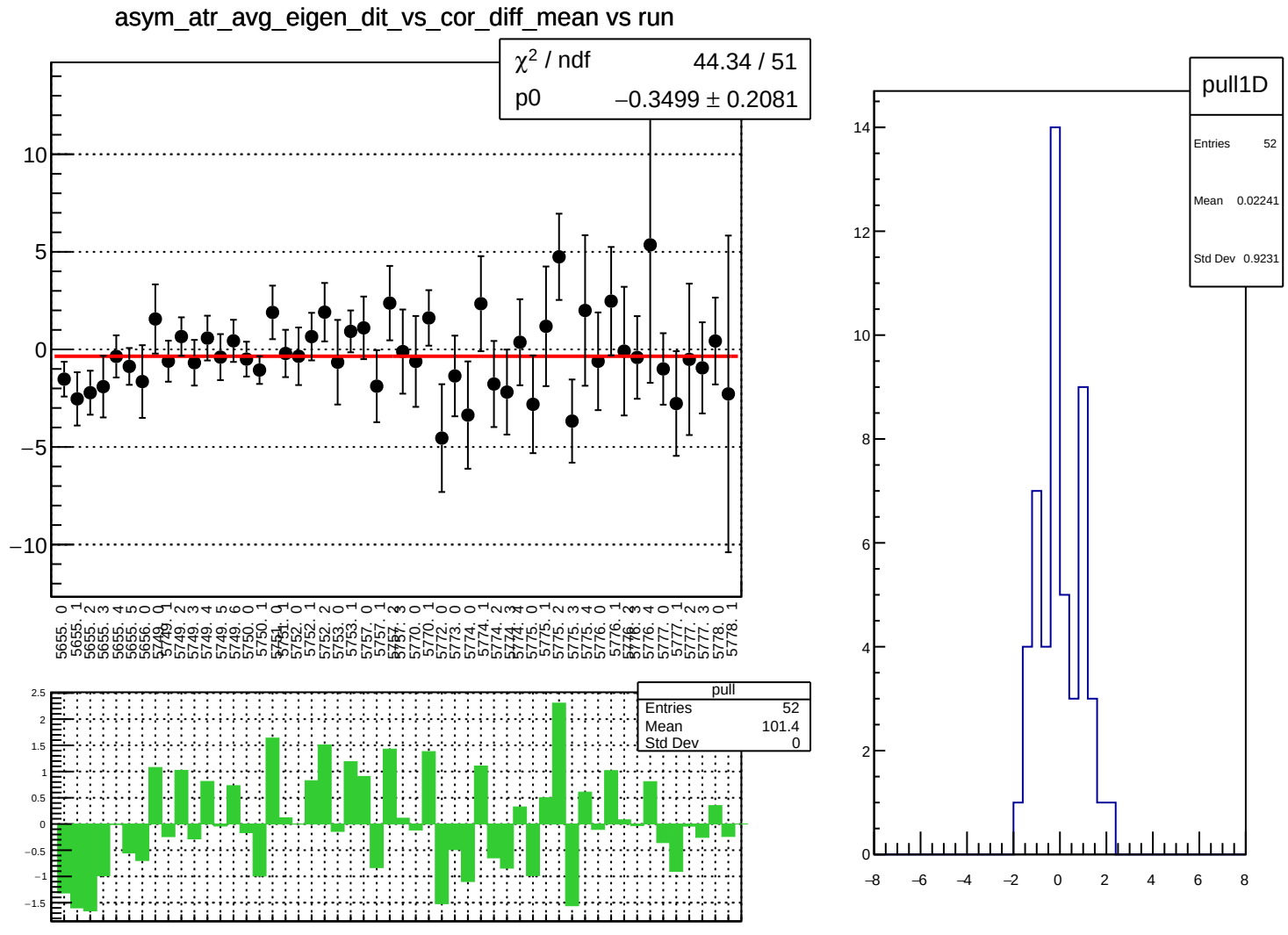

pull1D
Entries 52
Mean 0.02242
Std Dev 0.9231

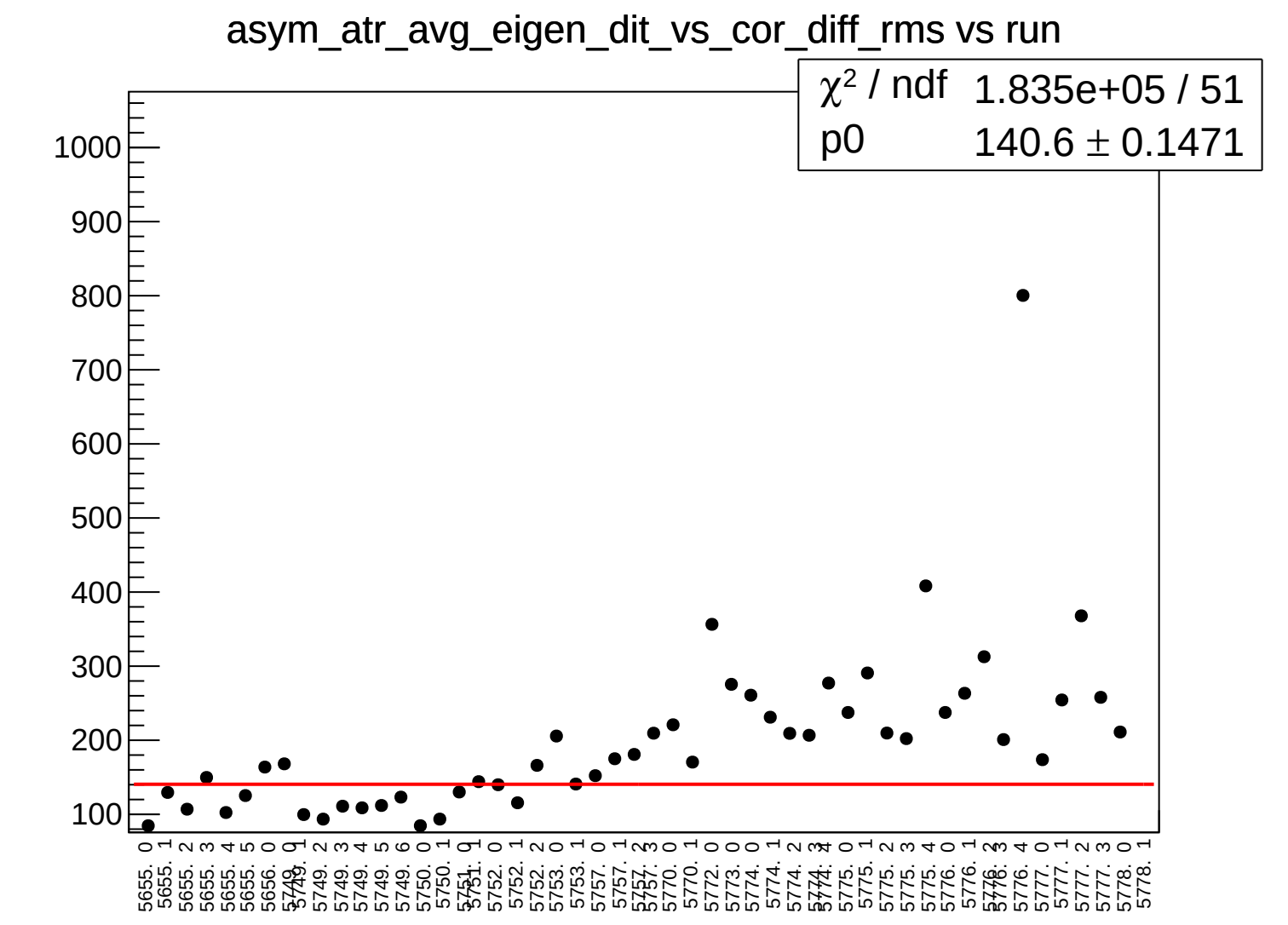

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.835e+05 / 51
p0 140.6 ± 0.1471
1000
900
800
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

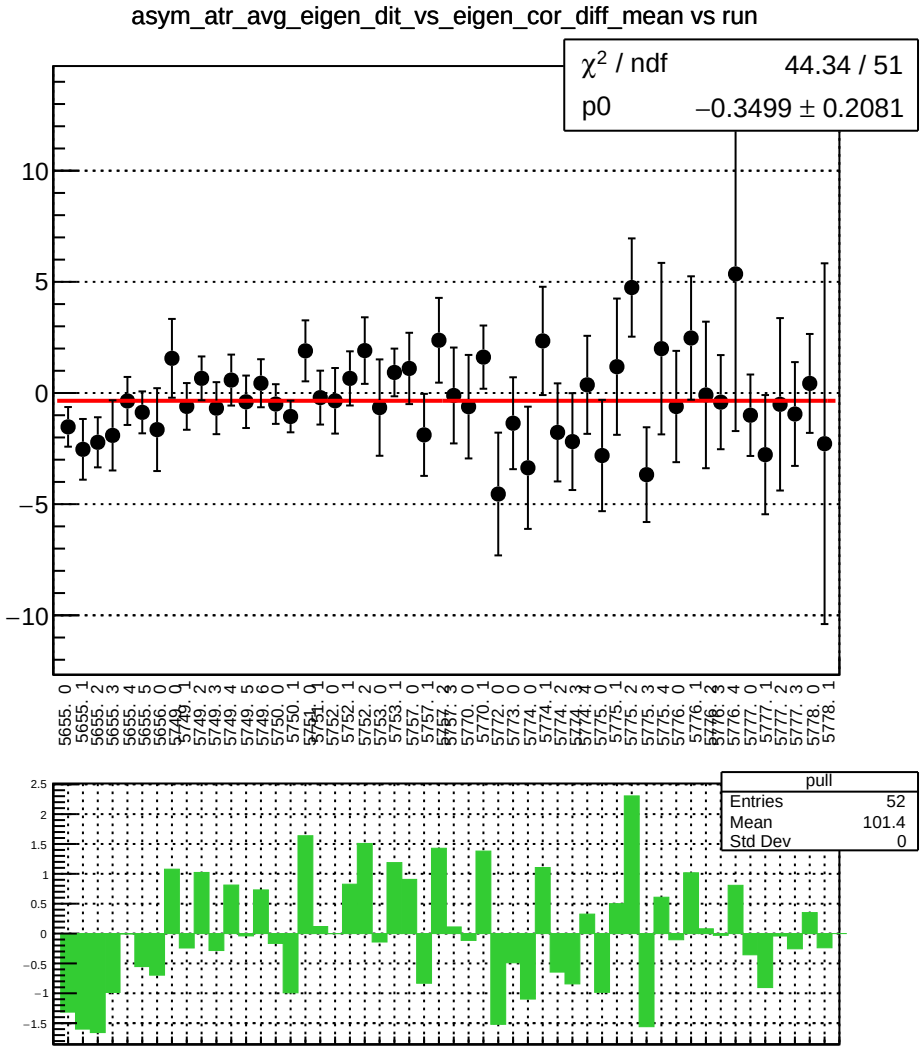

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 47.45 / 51
p0 1.433e−05 ± 8.751e−06
pull
Entries 52
Mean 43.36
Std Dev 0

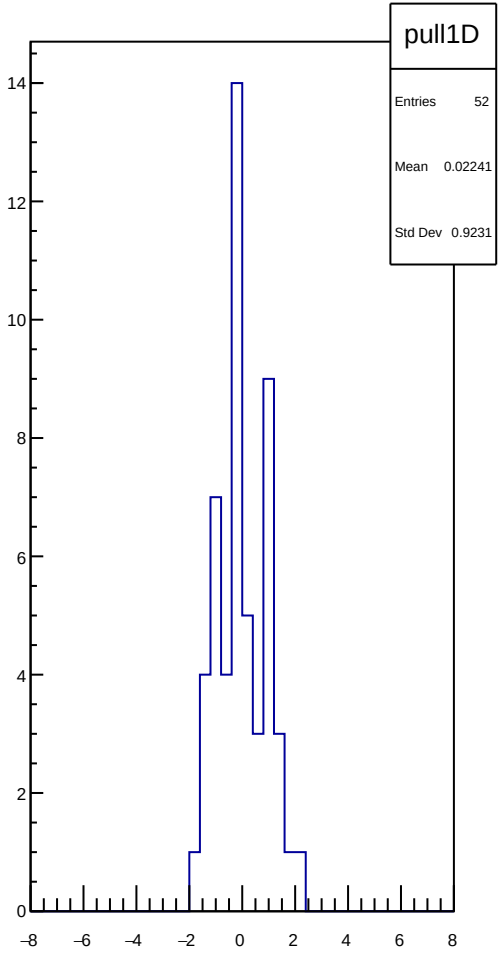

pull1D
Entries 52
Mean −0.04859
Std Dev 0.954

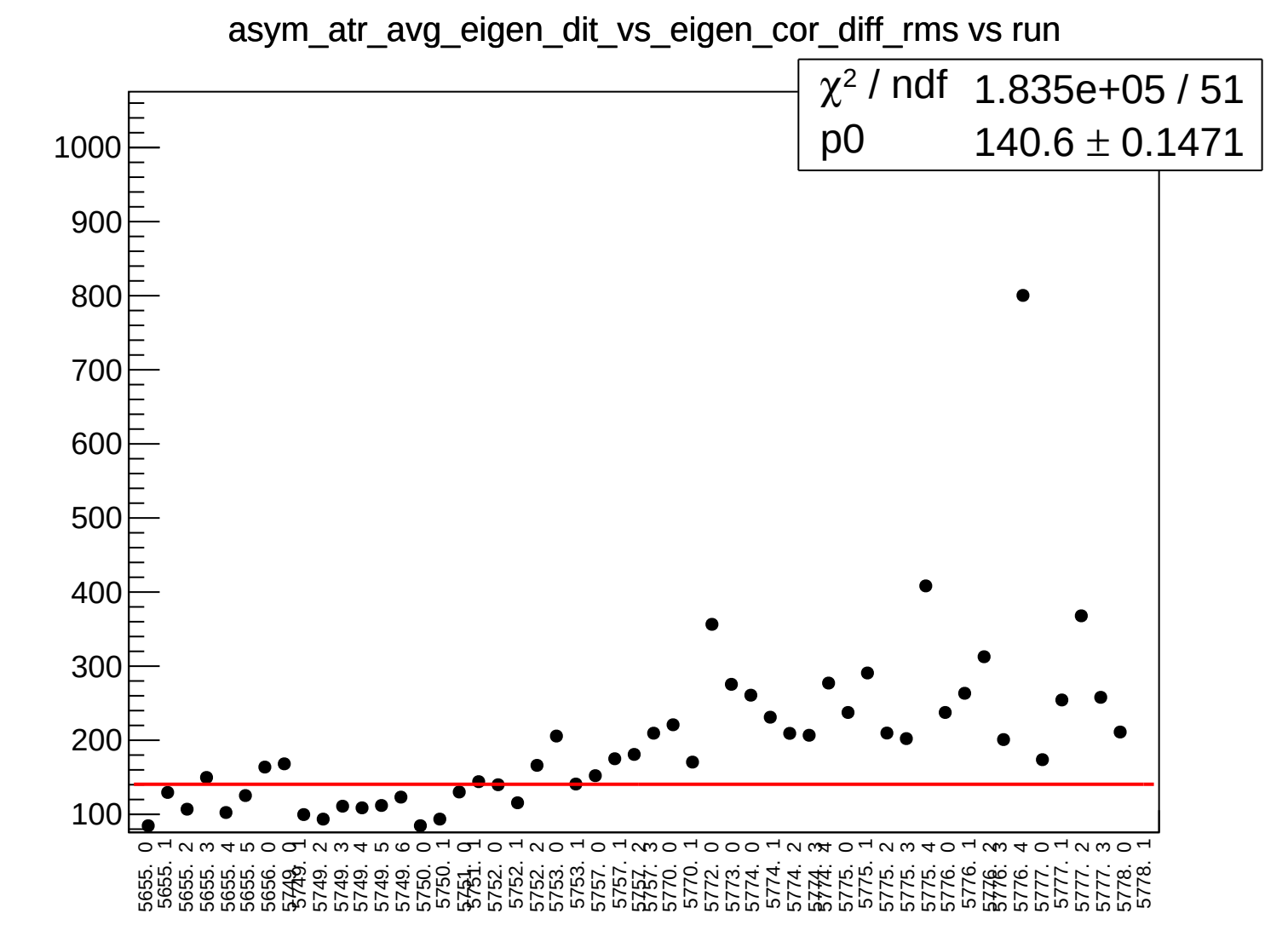

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.807e+05 / 51
p0 0.005588 ± 6.188e−06
0.03
0.025
0.02
0.015
0.01
0.005
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

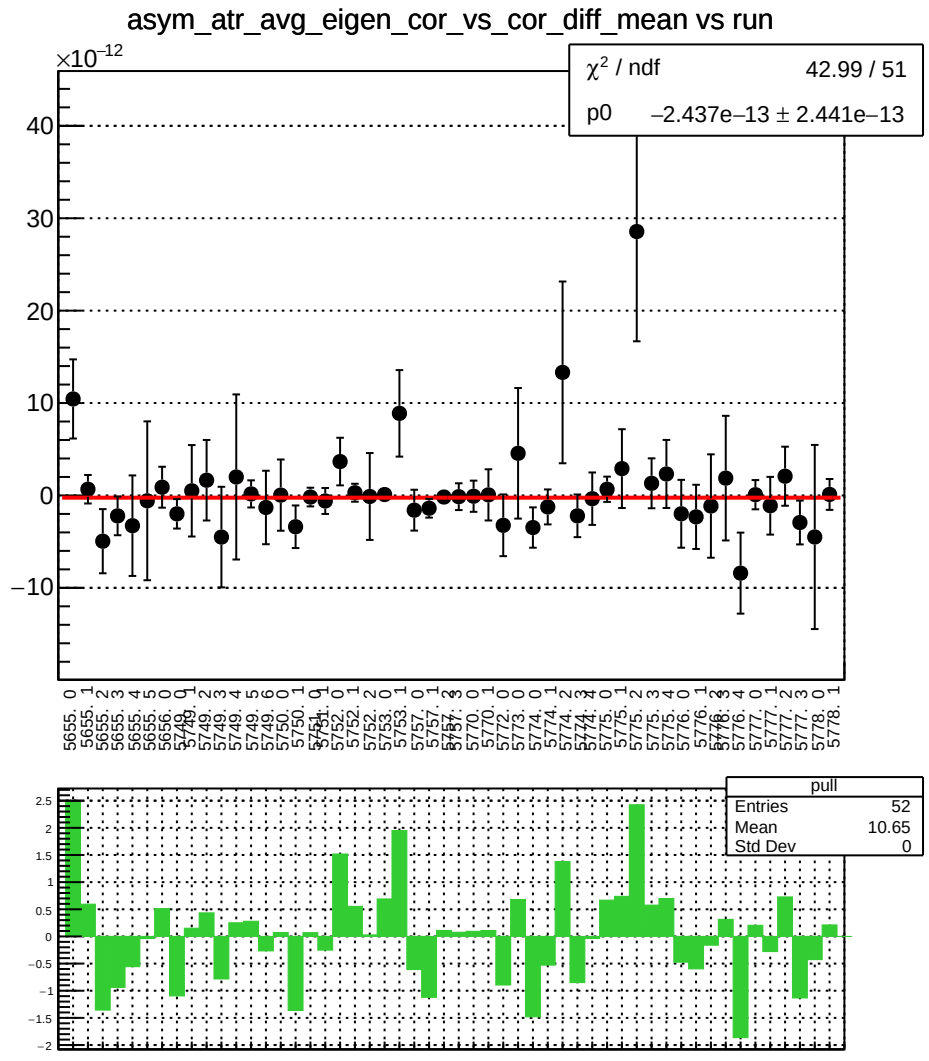

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 44.34 / 51
p0 −0.3499 ± 0.2081
pull
Entries 52
Mean 101.4
Std Dev 0
pull1D
Entries 52
Mean 0.02241
Std Dev 0.9231

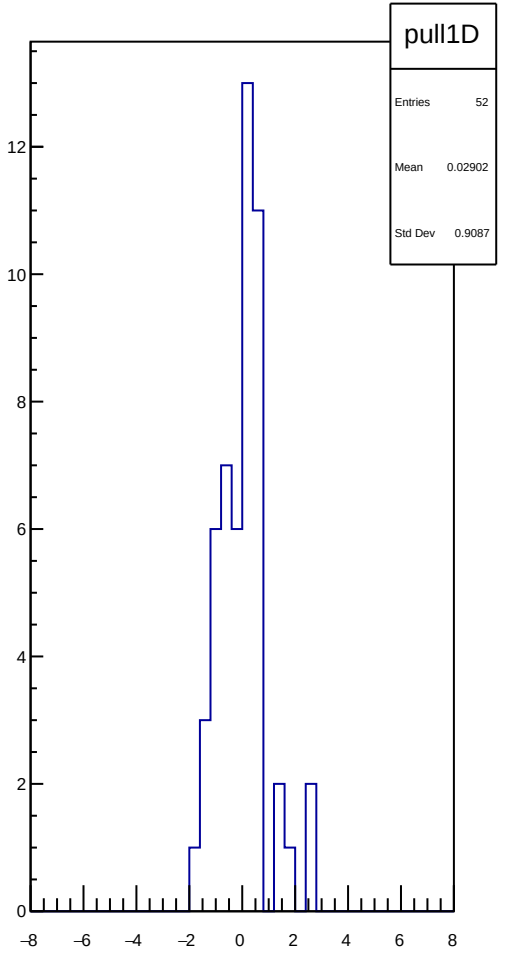

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.835e+05 / 51
p0 140.6 ± 0.1471
1000
900
800
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

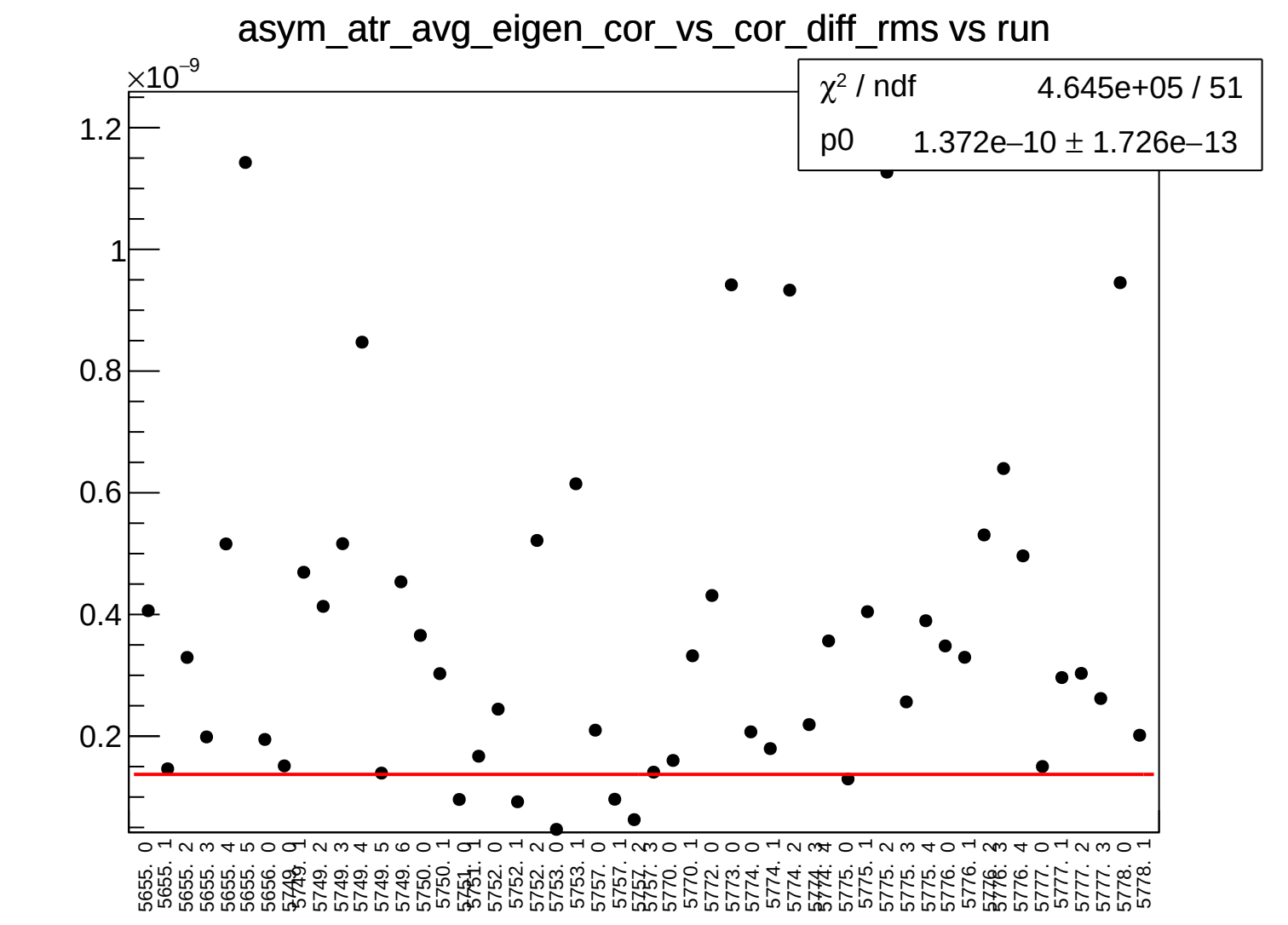

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.34 / 51
p0 −0.3499 ± 0.2081
pull
Entries 52
Mean 101.4
Std Dev 0

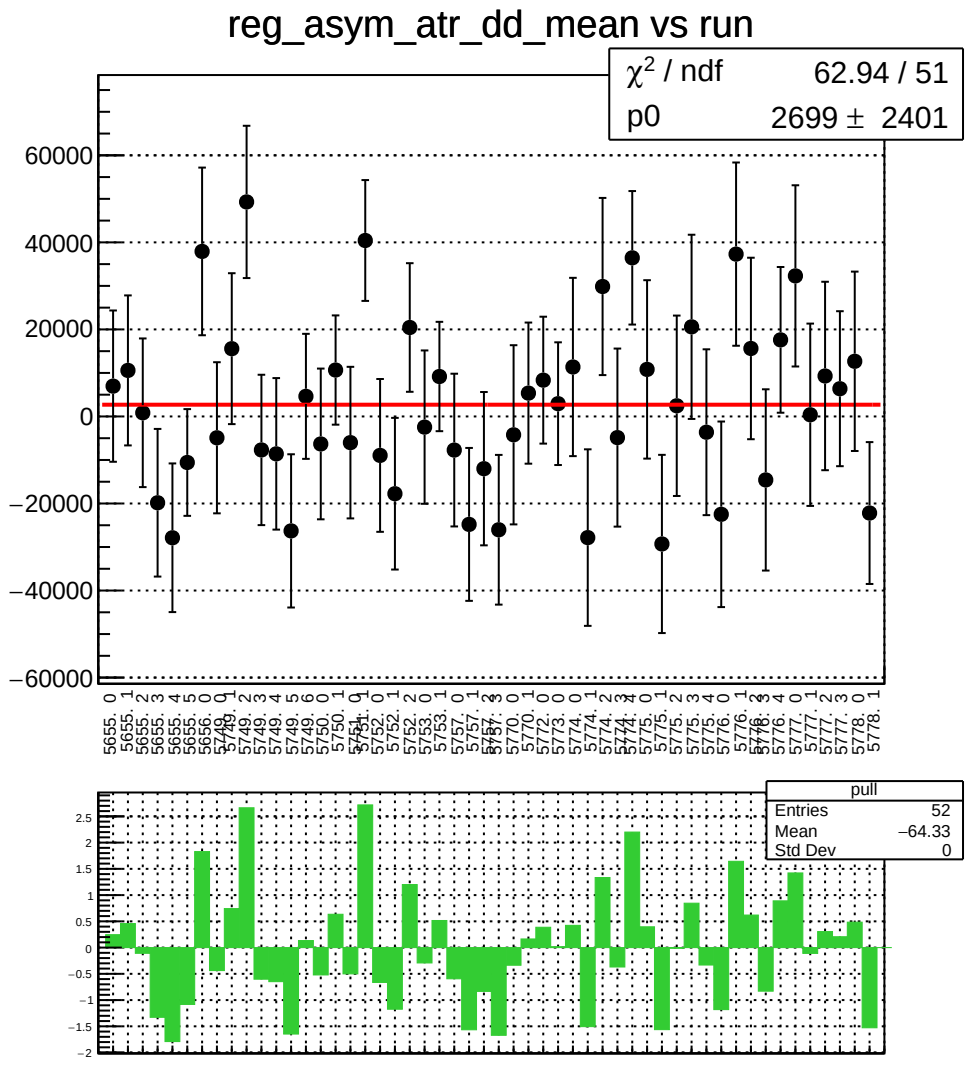

pull1D
Entries 52
Mean 0.02241
Std Dev 0.9231

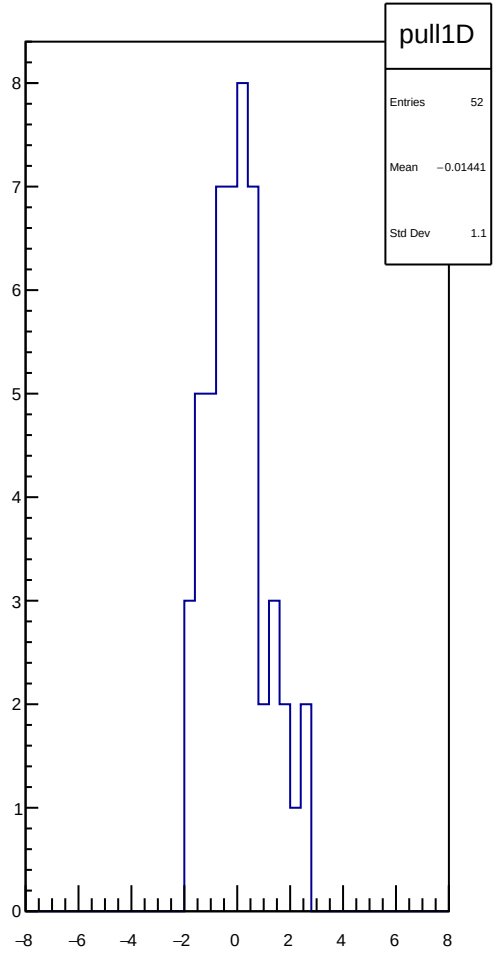

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.835e+05 / 51
p0 140.6 ± 0.1471
1000
900
800
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

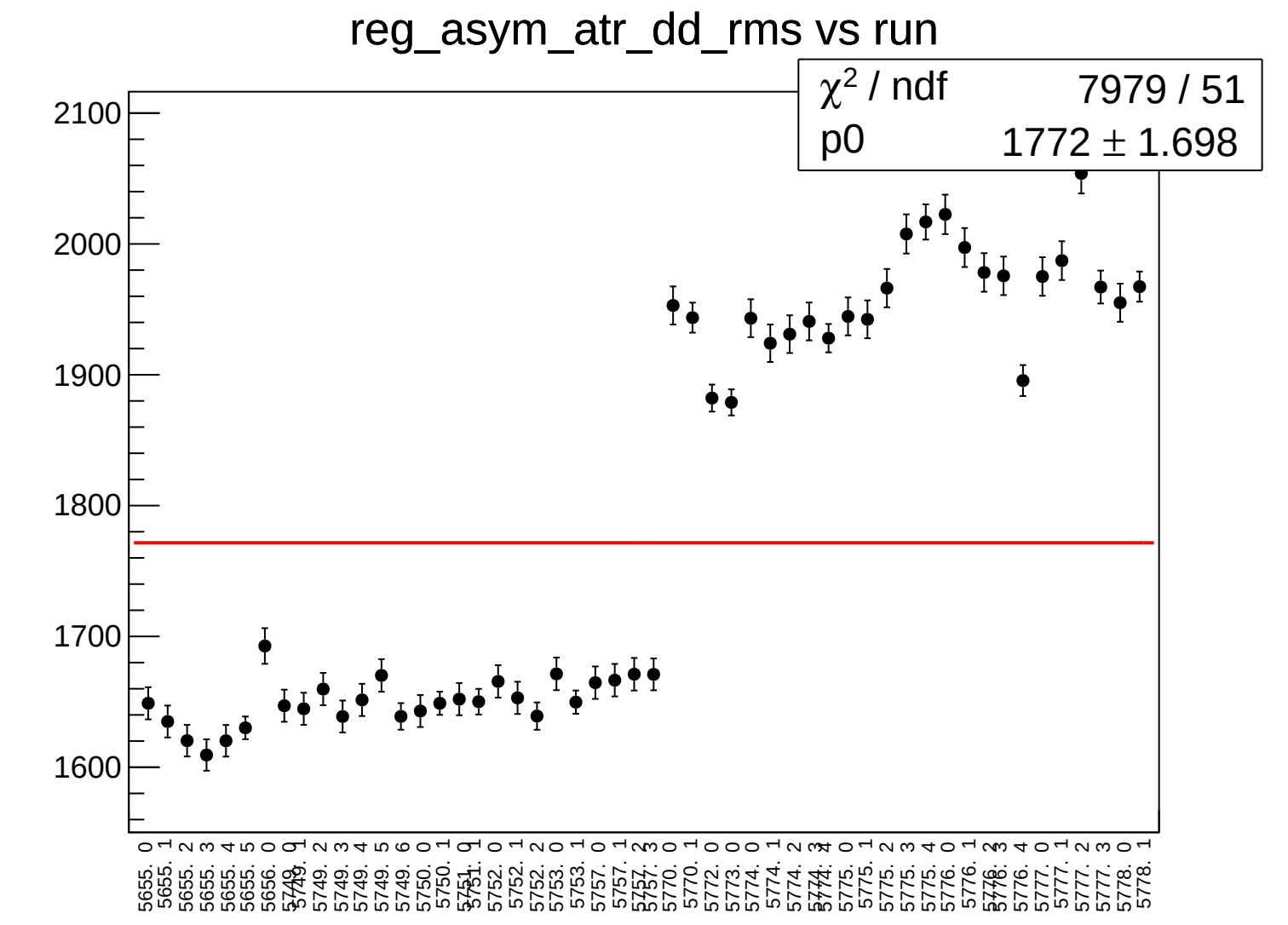

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 42.99 / 51
p0 −2.437e−13 ± 2.441e−13
pull
Entries 52
Mean 10.65
Std Dev 0

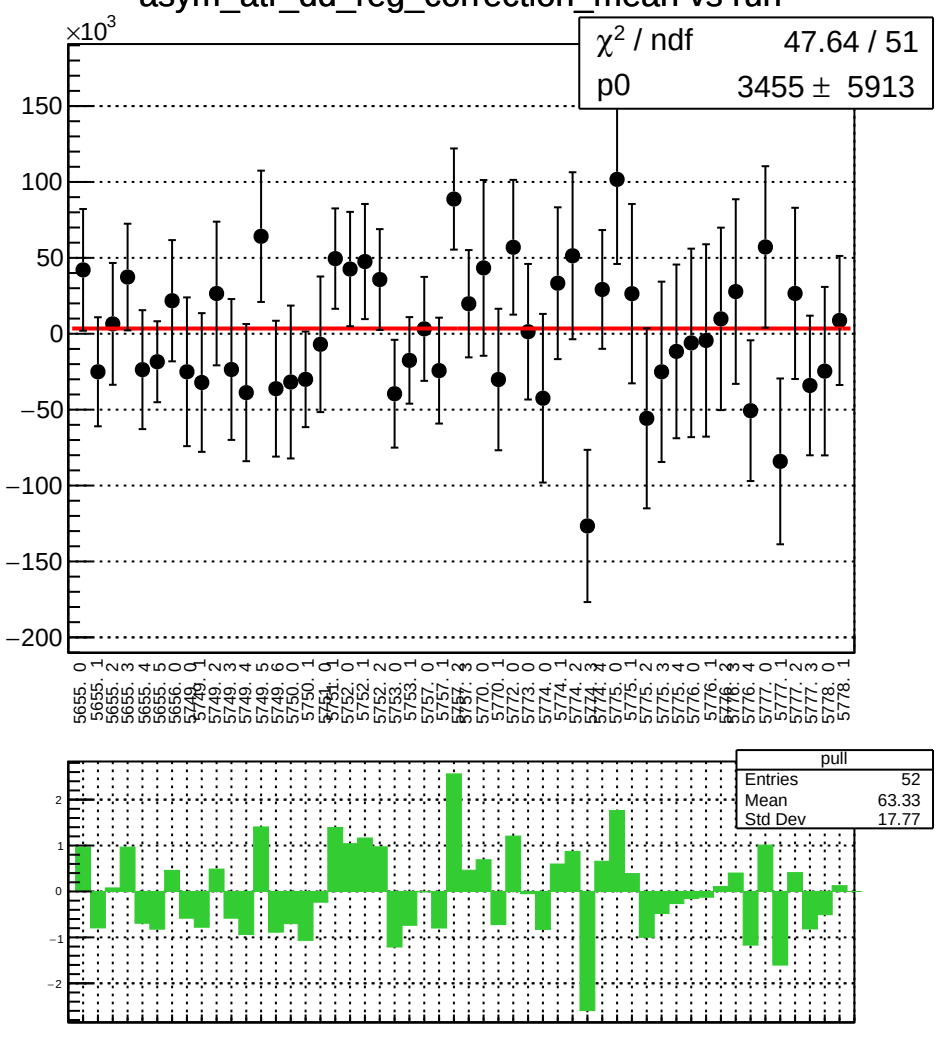

pull1D
Entries 52
Mean 0.02902
Std Dev 0.9087

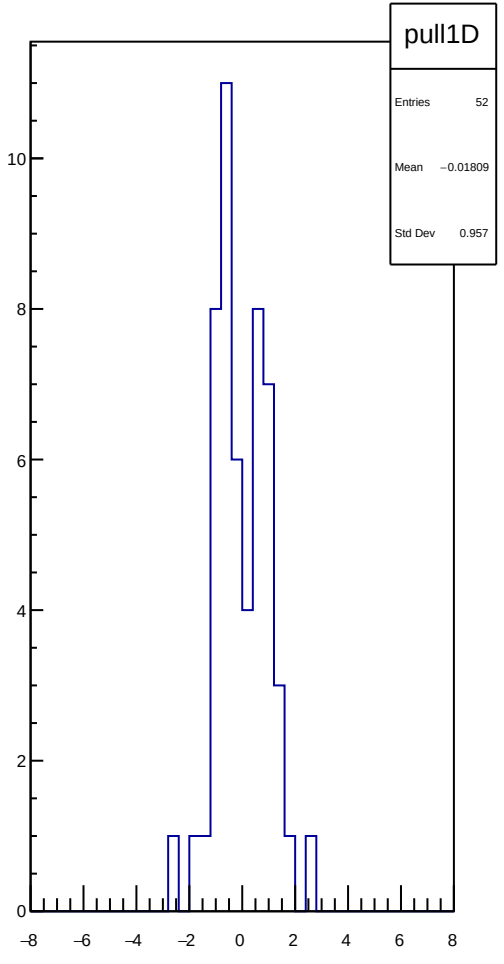

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.645e+05 / 51
p0 1.372e−10 ± 1.726e−13
1.2
1
0.8
0.6
0.4
0.2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

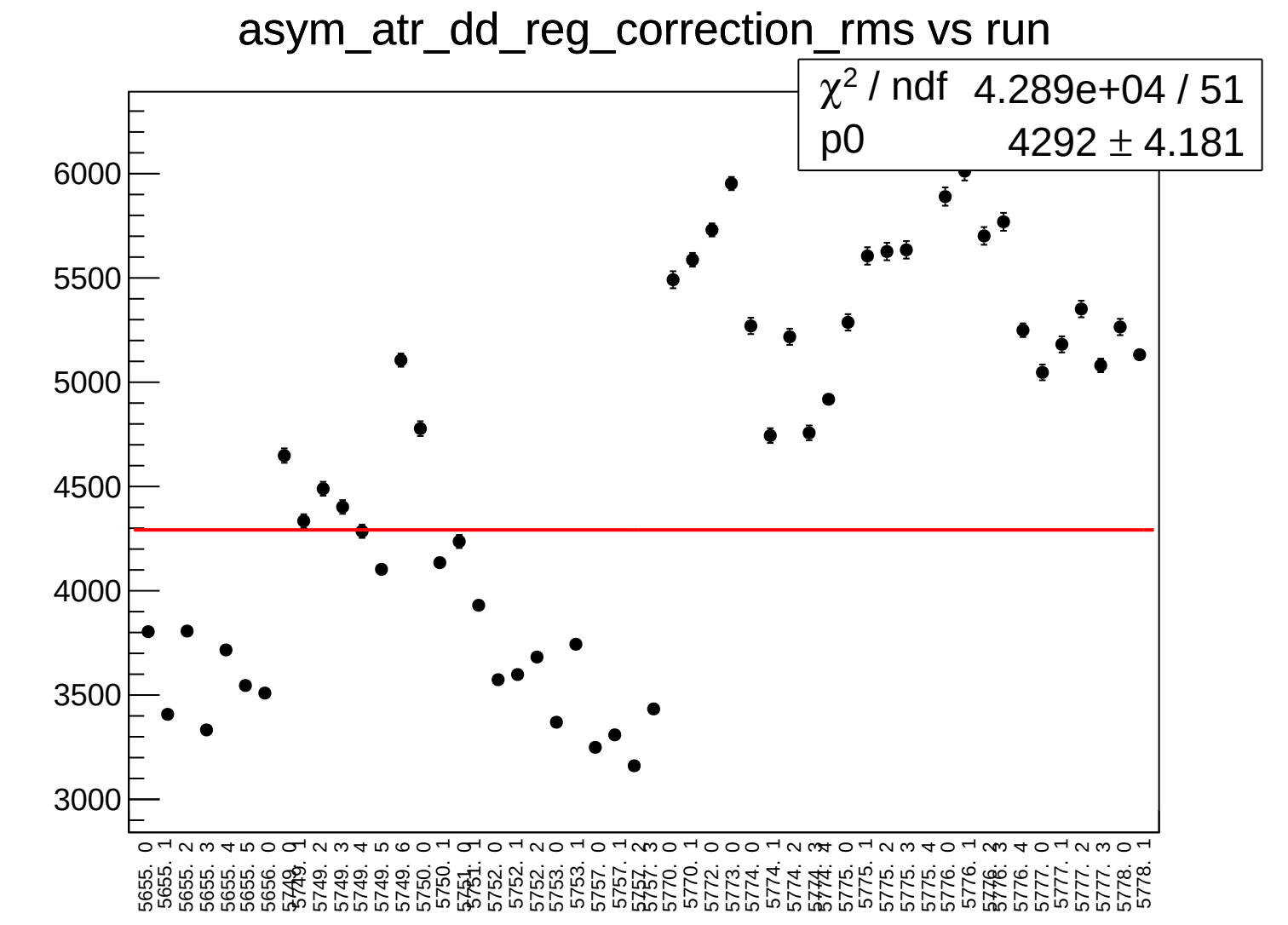

reg_asym_atr_dd_mean vs run
χ² / ndf 62.94 / 51
p0 2699 ± 2401
pull
Entries 52
Mean −64.33
Std Dev 0

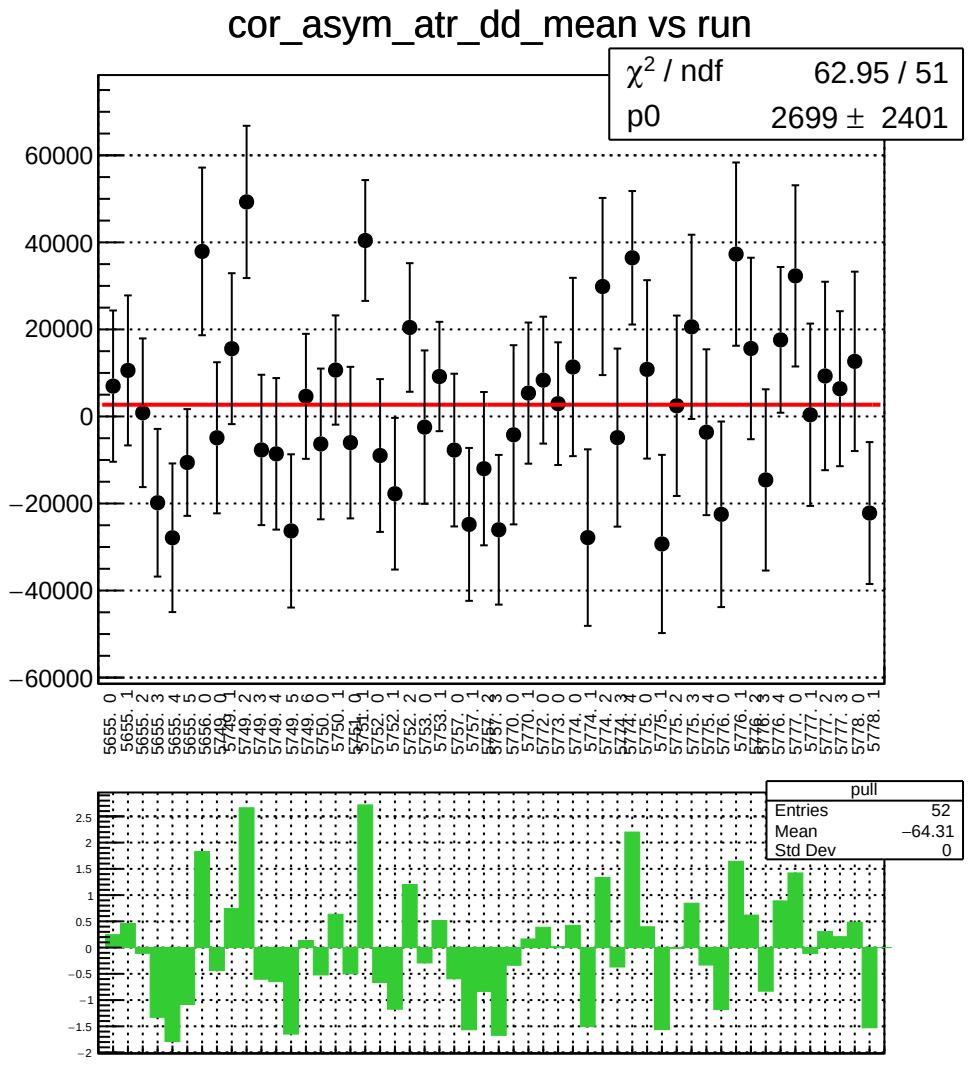

pull1D
Entries 52
Mean −0.01441
Std Dev 1.1

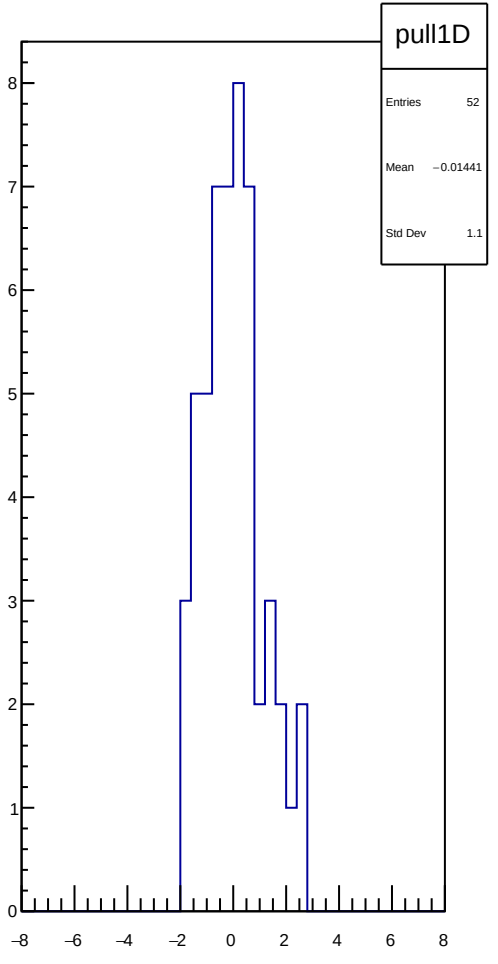

reg_asym_atr_dd_rms vs run
χ² / ndf 7979 / 51
p0 1772 ± 1.698
2100
2000
1900
1800
1700
1600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

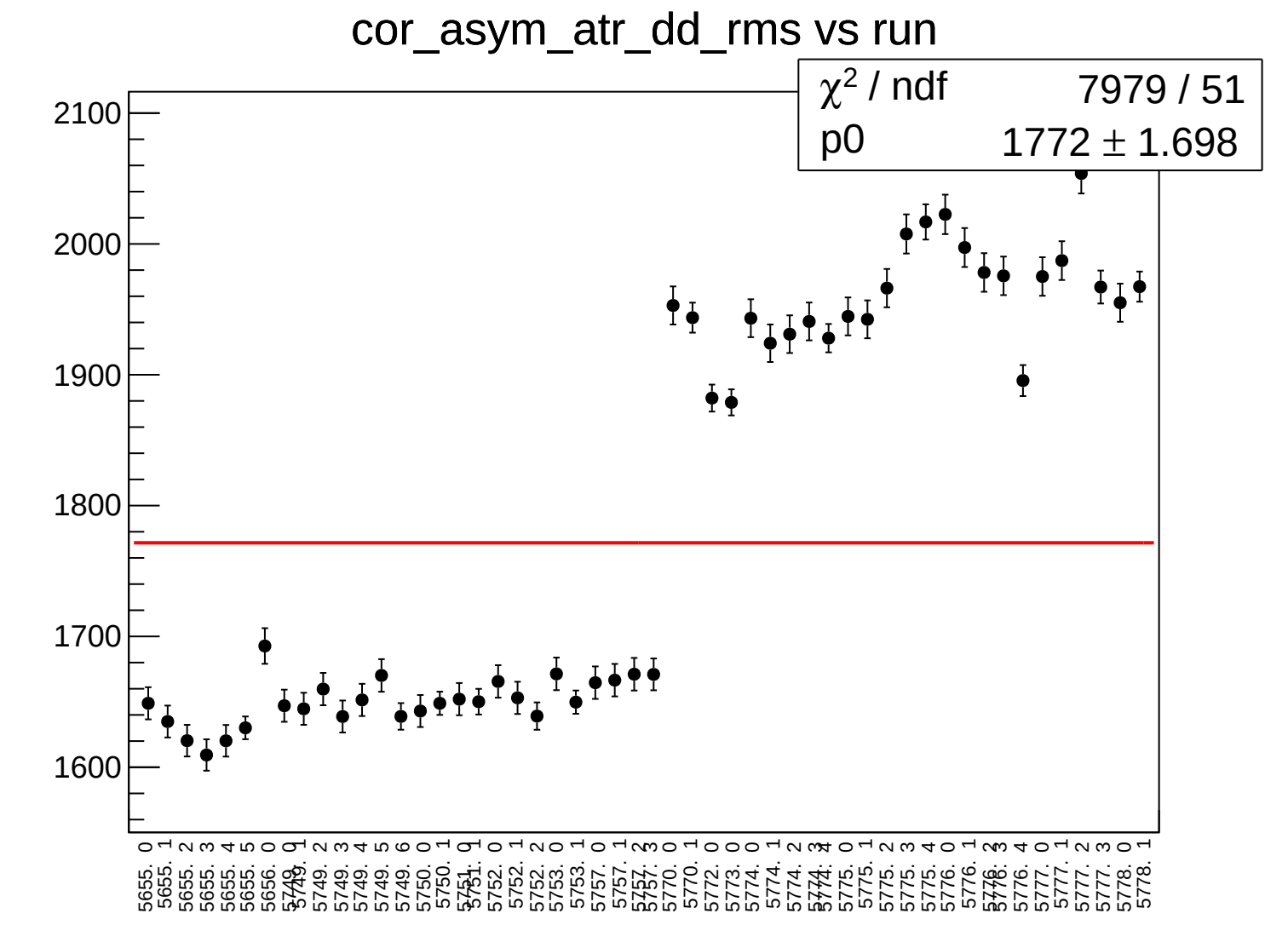

asym_atr_dd_reg_correction_mean vs run
×10^3
χ^2 / ndf 47.64 / 51
p0 3455 ± 5913
150
100
50
0
−50
−100
−150
−200
pull
Entries 52
Mean 63.33
Std Dev 17.77
2
1
0
−1
−2

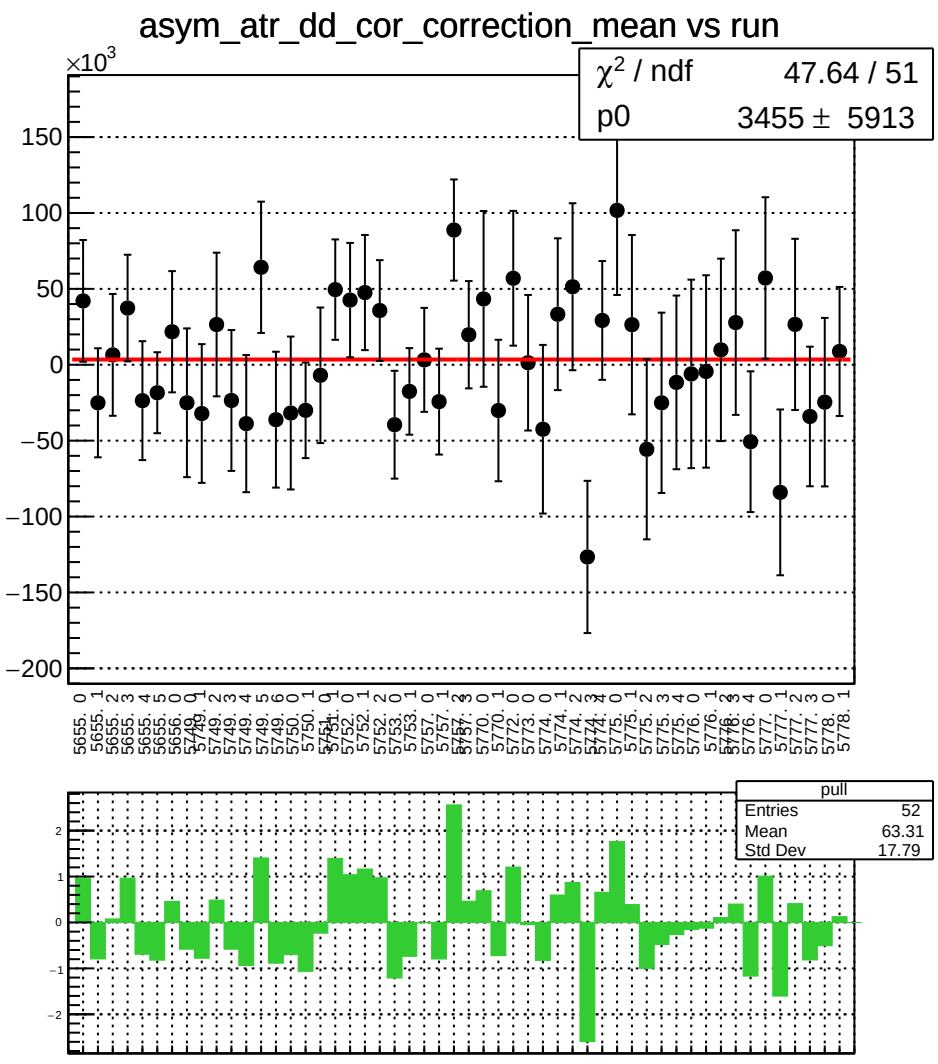

pull1D
Entries 52
Mean −0.01809
Std Dev 0.957
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

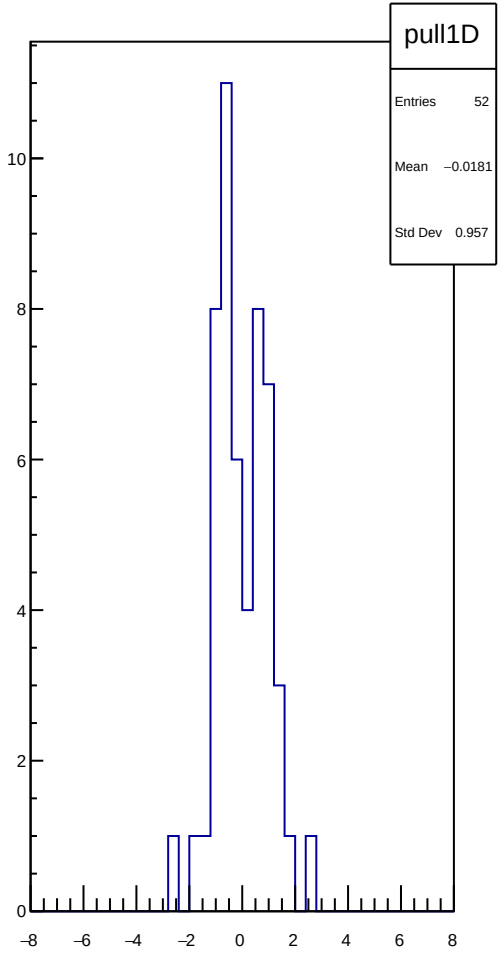

asym_atr_dd_reg_correction_rms vs run
χ² / ndf 4.289e+04 / 51
p0 4292 ± 4.181
6000
5500
5000
4500
4000
3500
3000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

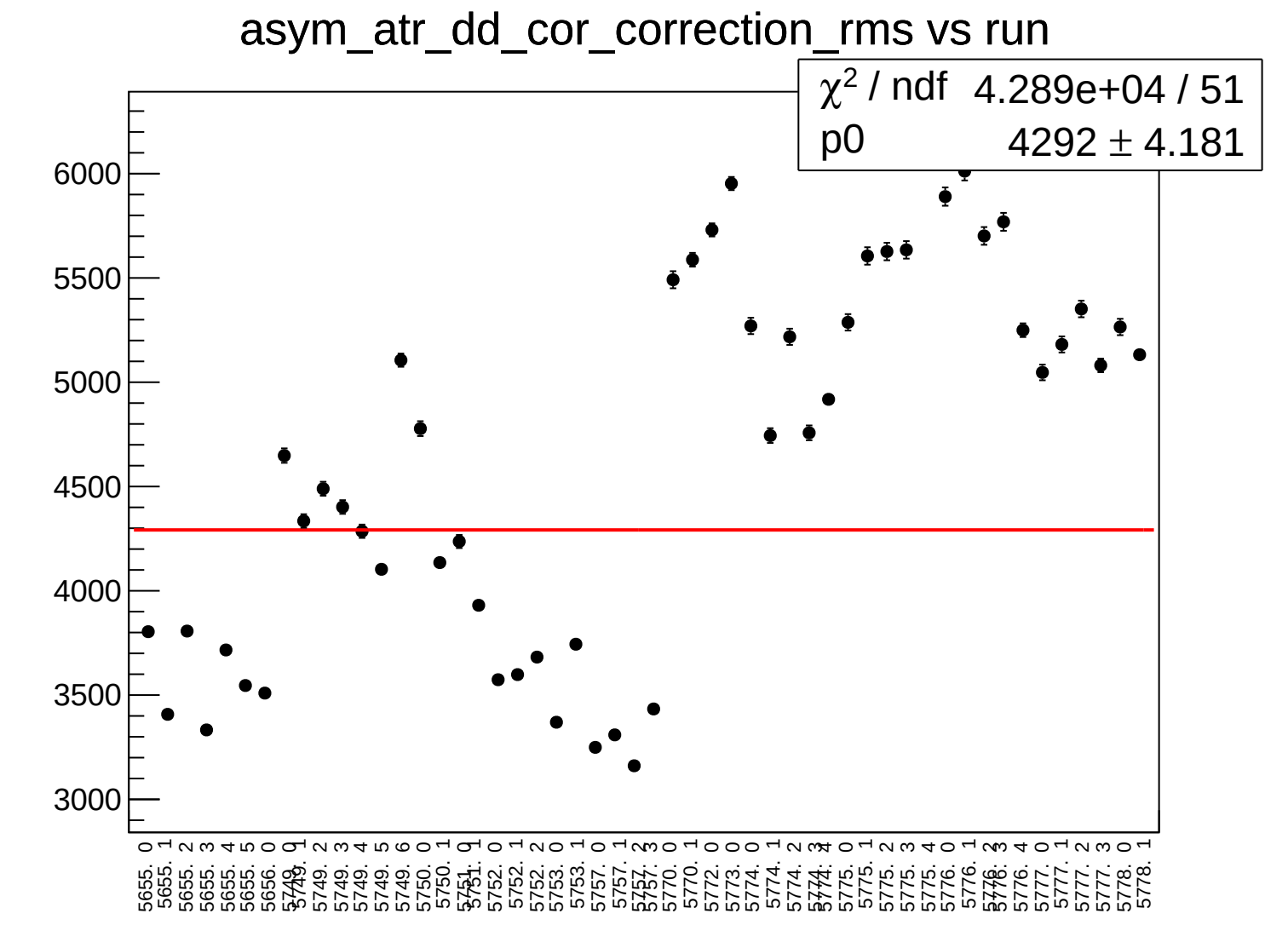

cor_asym_atr_dd_mean vs run
χ² / ndf 62.95 / 51
p0 2699 ± 2401
pull
Entries 52
Mean −64.31
Std Dev 0

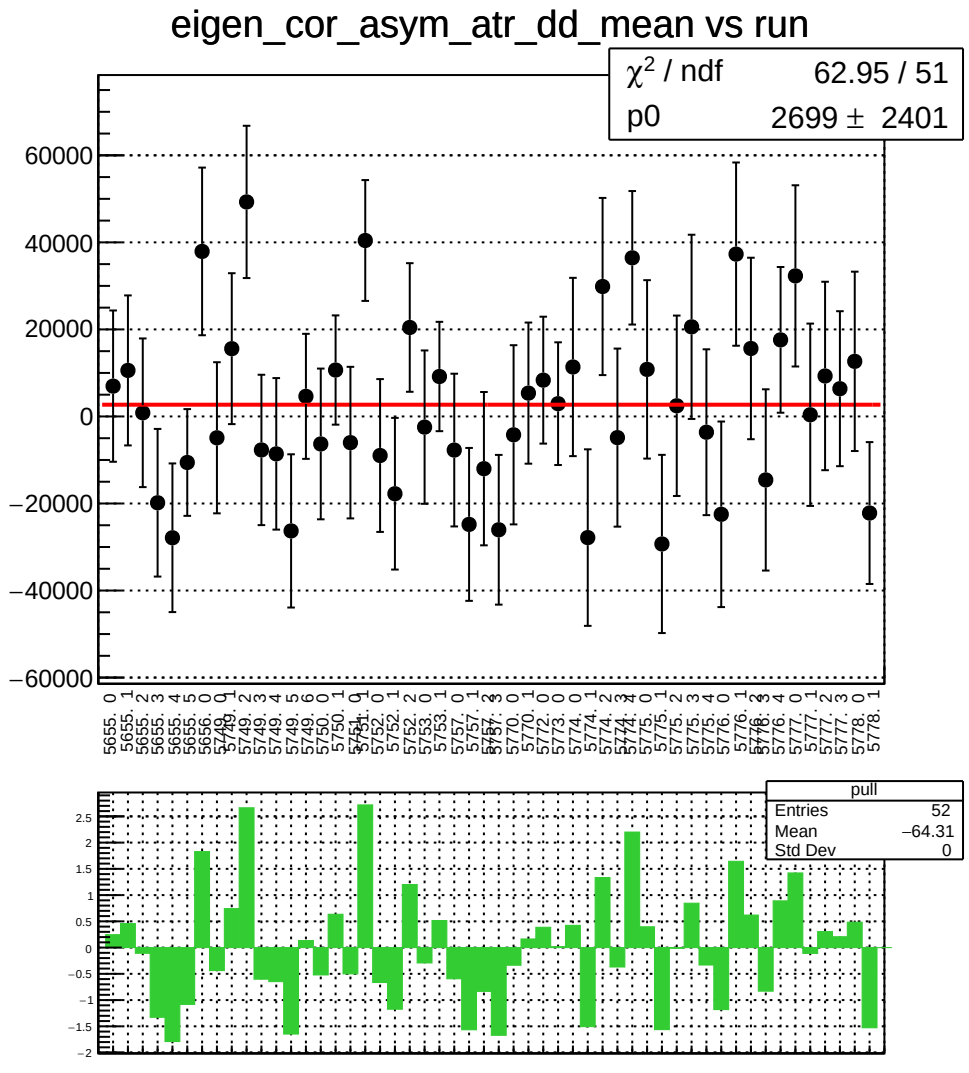

pull1D
Entries 52
Mean −0.01441
Std Dev 1.1

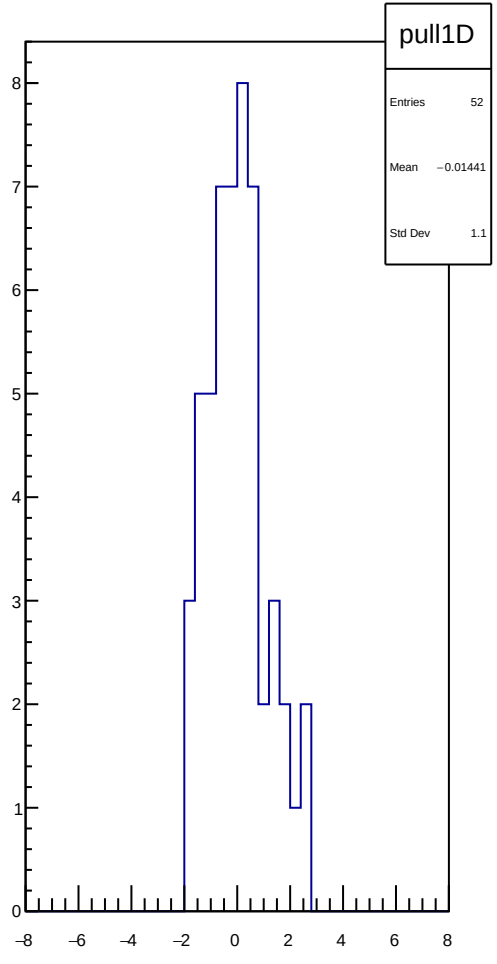

cor_asym_atr_dd_rms vs run
χ² / ndf 7979 / 51
p0 1772 ± 1.698
2100
2000
1900
1800
1700
1600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

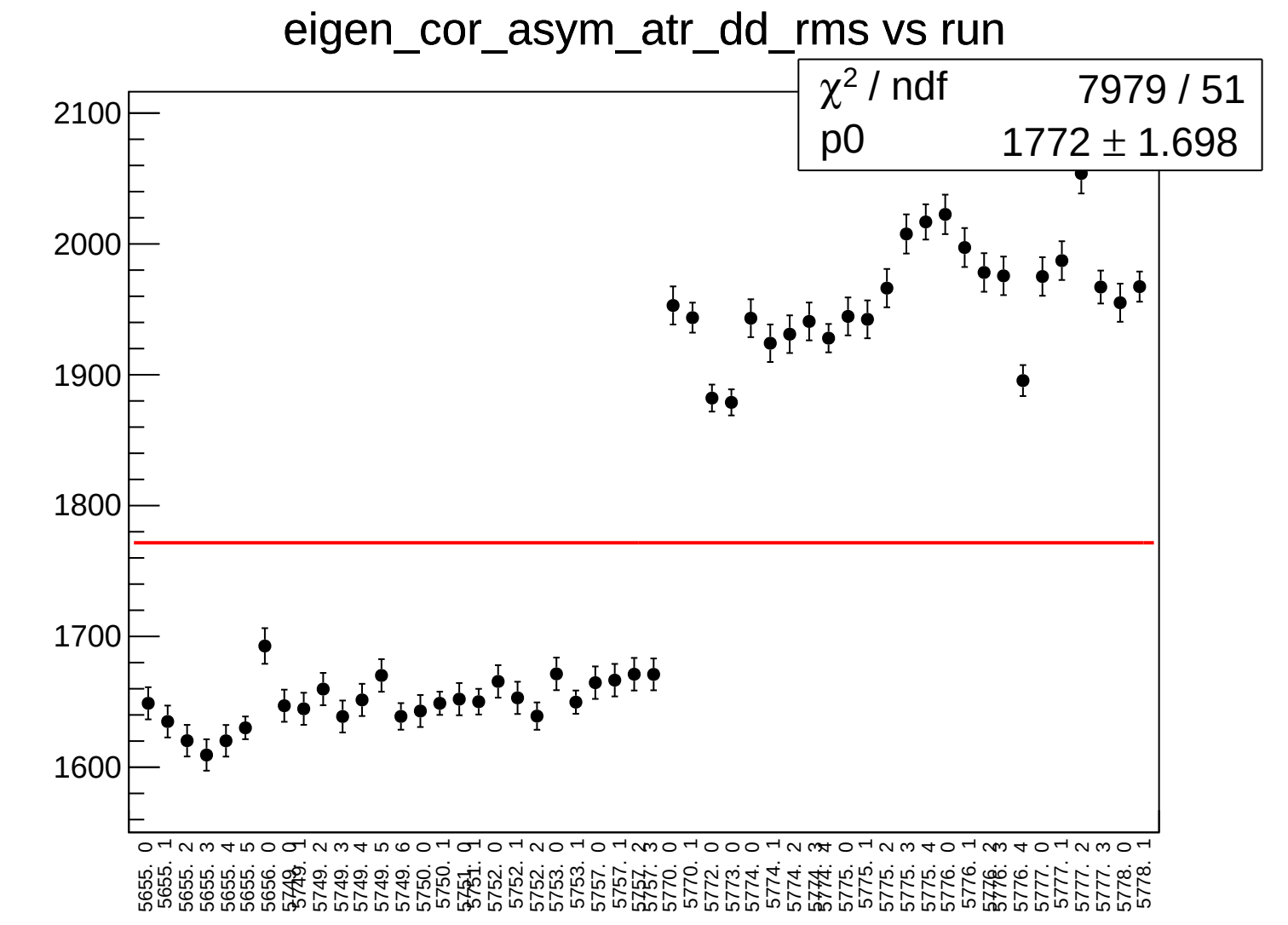

asym_atr_dd_cor_correction_mean vs run
×10^3
χ^2 / ndf 47.64 / 51
p0 3455 ± 5913
150
100
50
0
−50
−100
−150
−200
pull
Entries 52
Mean 63.31
Std Dev 17.79
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.0181
Std Dev 0.957
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr_dd_cor_correction_rms vs run
χ² / ndf 4.289e+04 / 51
p0 4292 ± 4.181
6000
5500
5000
4500
4000
3500
3000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_atr_dd_mean vs run
χ² / ndf 62.95 / 51
p0 2699 ± 2401
pull
Entries 52
Mean −64.31
Std Dev 0


pull1D
Entries 52
Mean −0.01441
Std Dev 1.1


eigen_cor_asym_atr_dd_rms vs run
χ² / ndf 7979 / 51
p0 1772 ± 1.698
2100
2000
1900
1800
1700
1600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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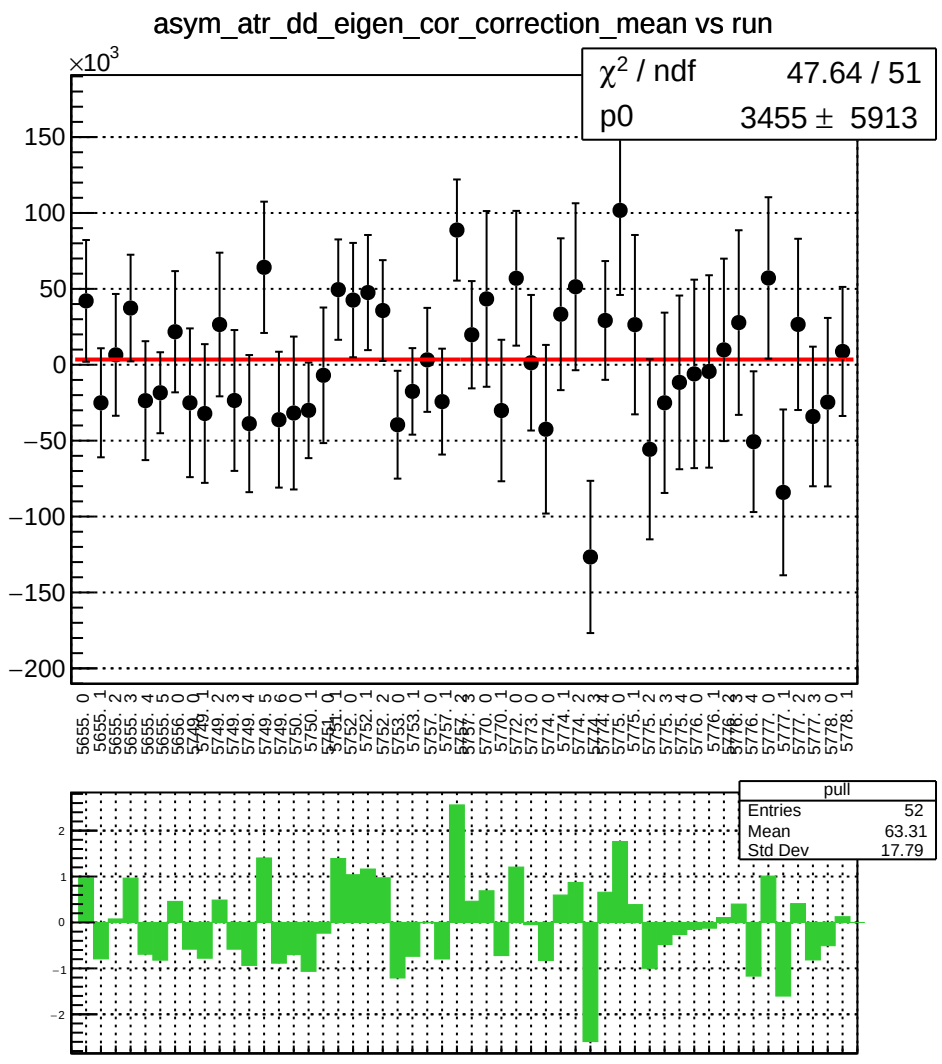
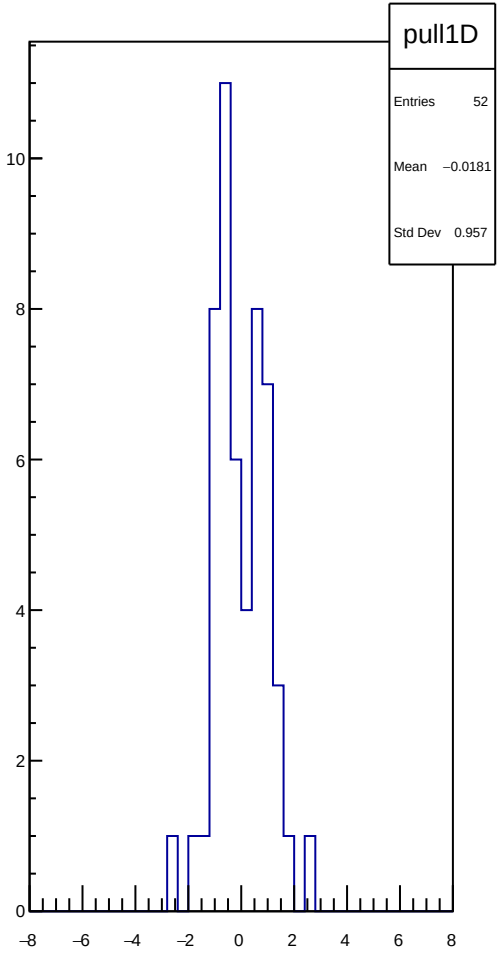
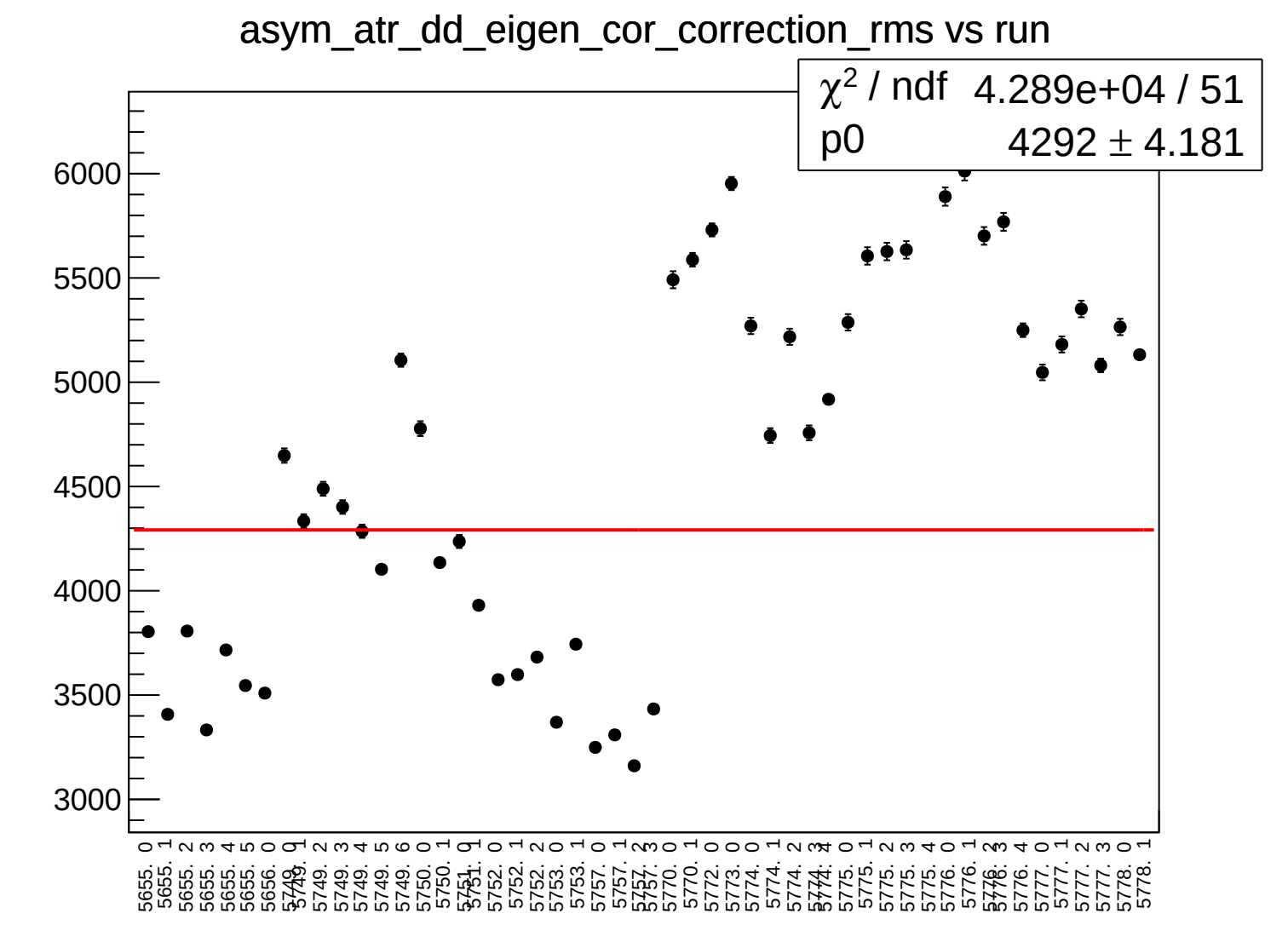
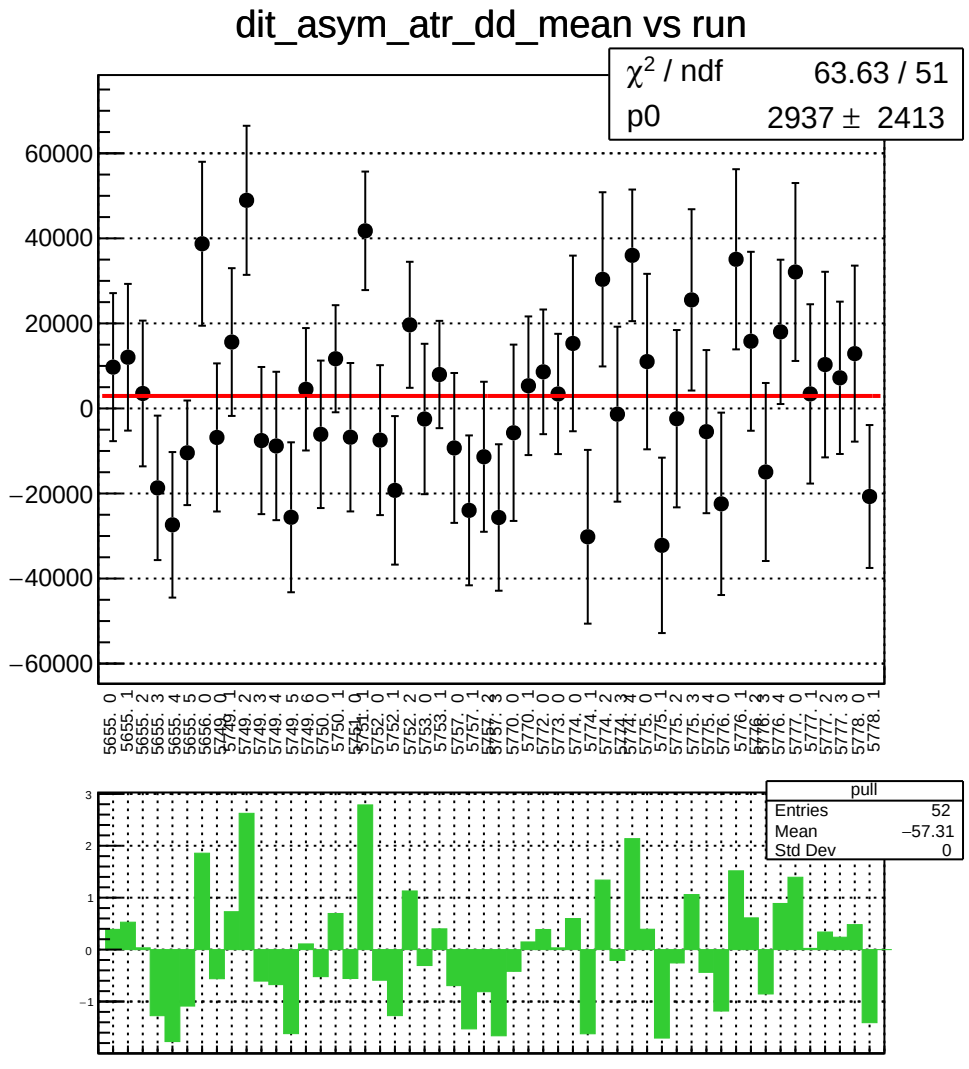
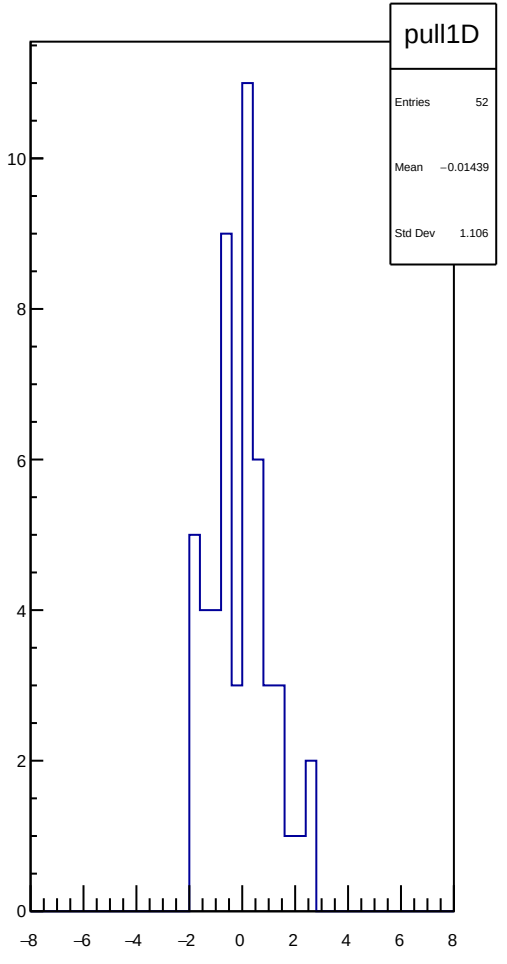
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

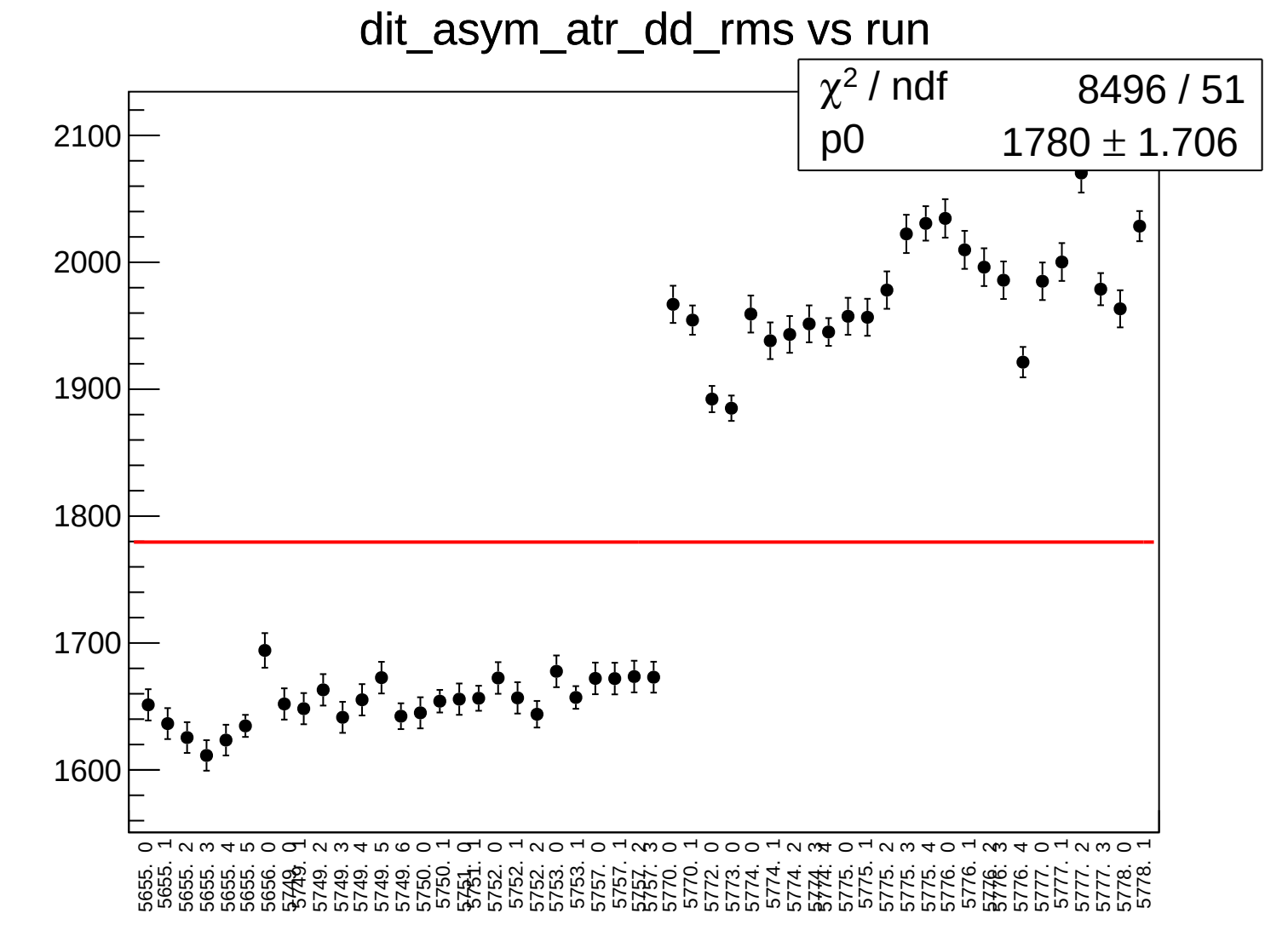

asym_atr_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 47.64 / 51
p0 3455 ± 5913
150
100
50
0
−50
−100
−150
−200
pull
Entries 52
Mean 63.31
Std Dev 17.79
2
1
0
−1
−2

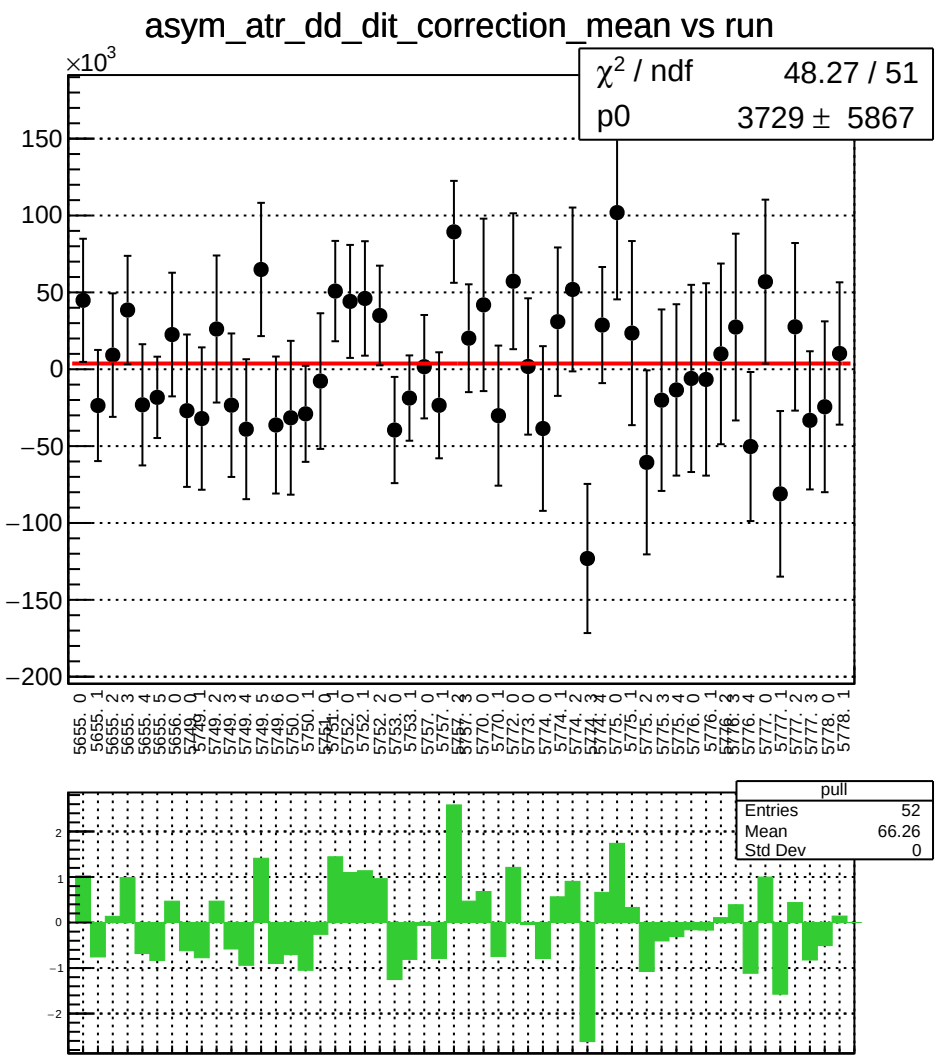

pull1D
Entries 52
Mean −0.0181
Std Dev 0.957
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

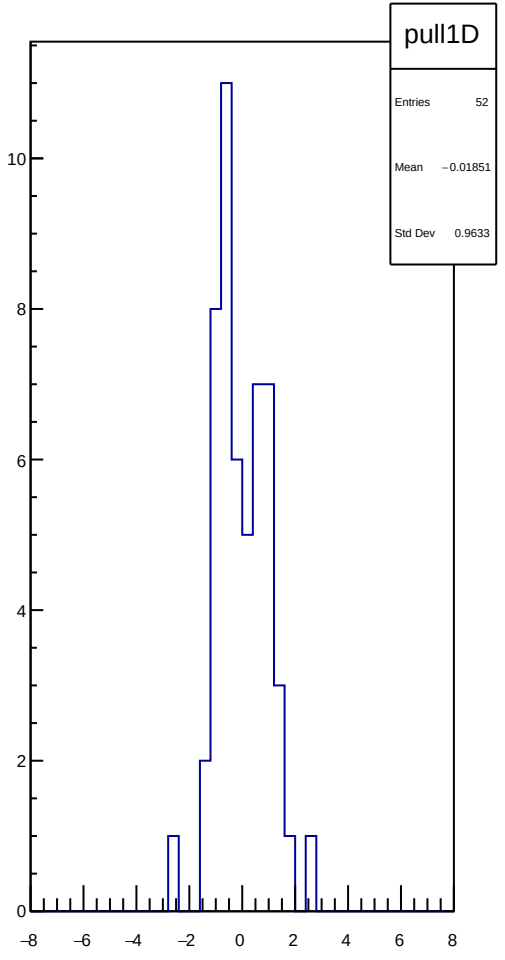

asym_atr_dd_eigen_cor_correction_rms vs run
χ² / ndf 4.289e+04 / 51
p0 4292 ± 4.181
6000
5500
5000
4500
4000
3500
3000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

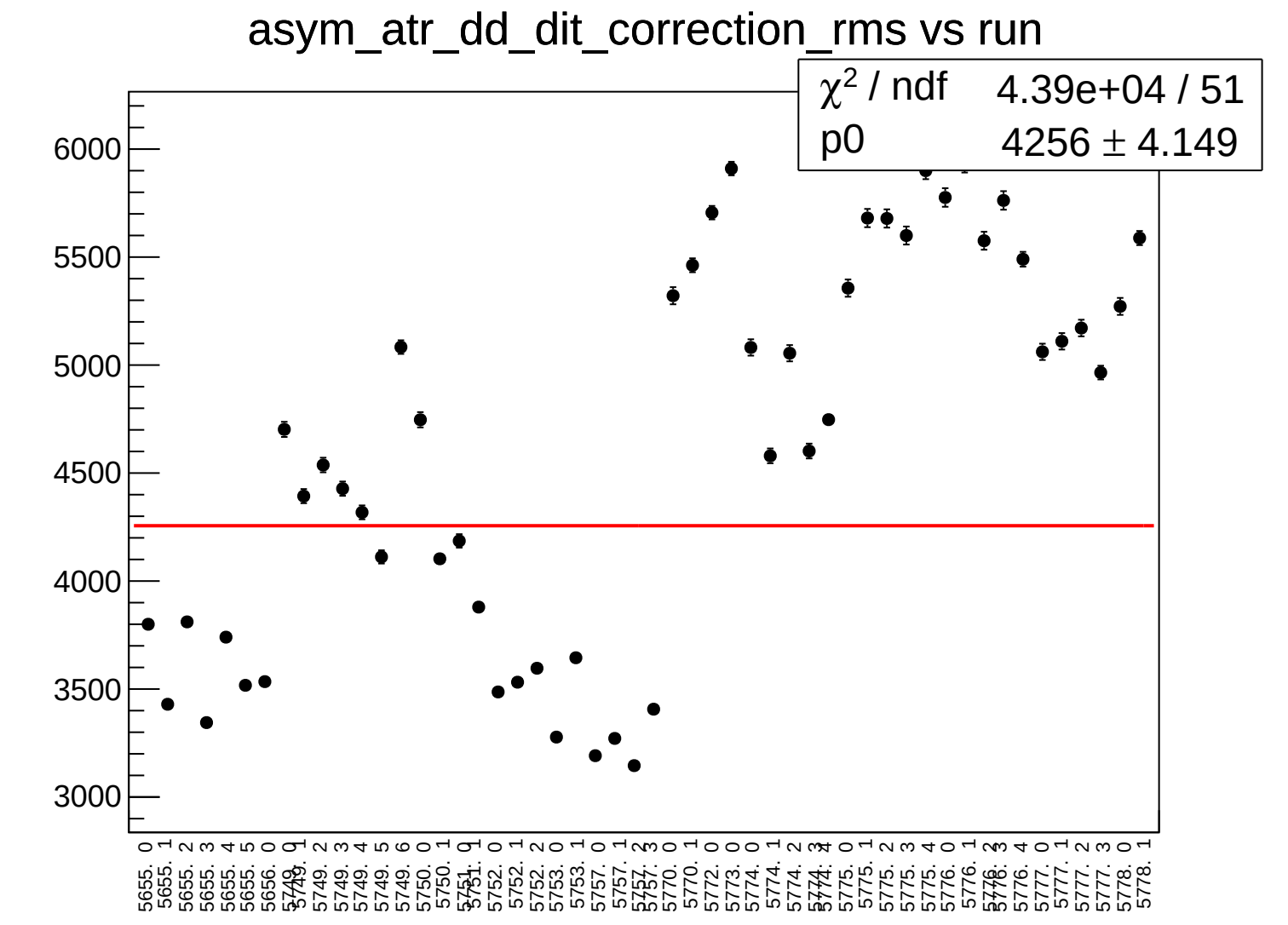

dit_asym_atr_dd_mean vs run
χ² / ndf 63.63 / 51
p0 2937 ± 2413
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −57.31
Std Dev 0
3
2
1
0
−1


pull1D
Entries 52
Mean −0.01439
Std Dev 1.106
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atr_dd_rms vs run
χ² / ndf 8496 / 51
p0 1780 ± 1.706
2100
2000
1900
1800
1700
1600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atr_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 48.27 / 51
p0 3729 ± 5867
150
100
50
0
−50
−100
−150
−200
pull
Entries 52
Mean 66.26
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.01851
Std Dev 0.9633
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 4.39e+04 / 51
p0 4256 ± 4.149
6000
5500
5000
4500
4000
3500
3000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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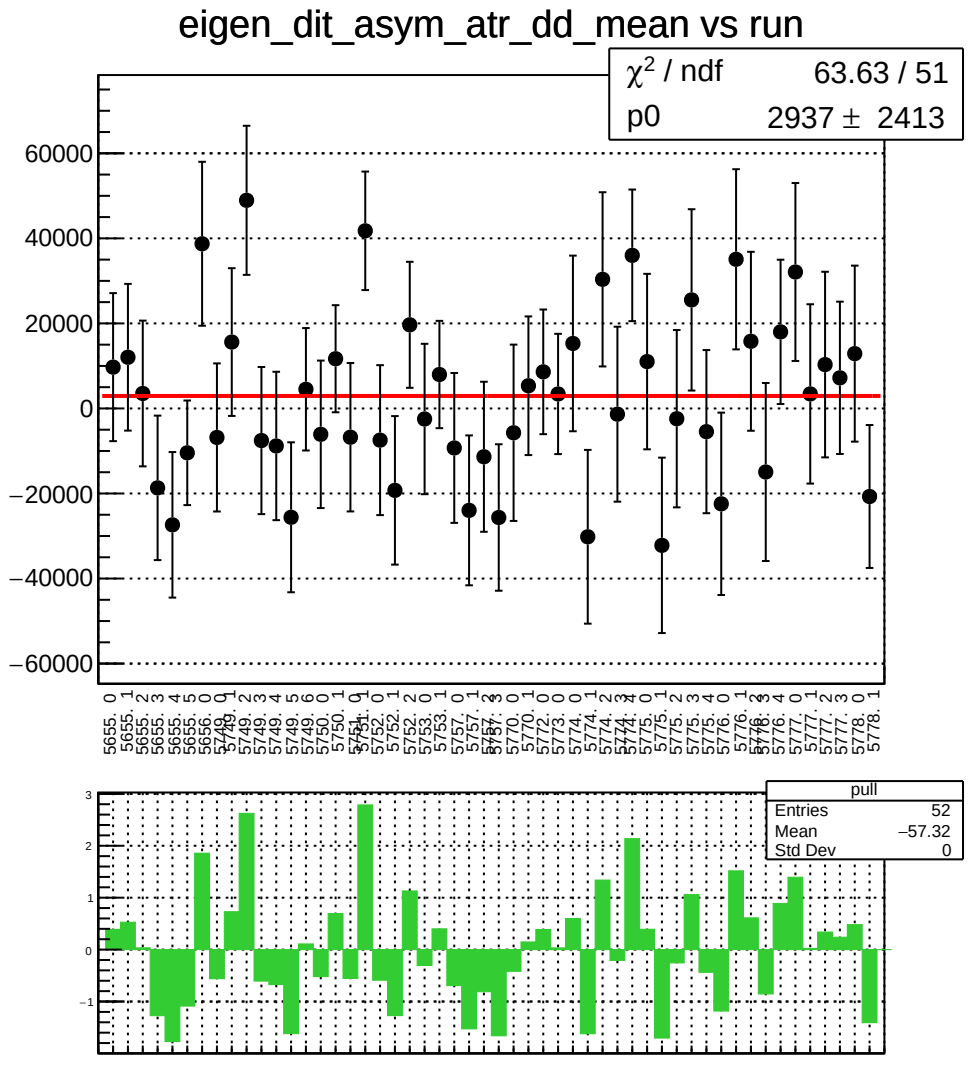
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_dit_asym_atr_dd_mean vs run
χ² / ndf 63.63 / 51
p0 2937 ± 2413
60000
40000
20000
0
−20000
−40000
−60000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
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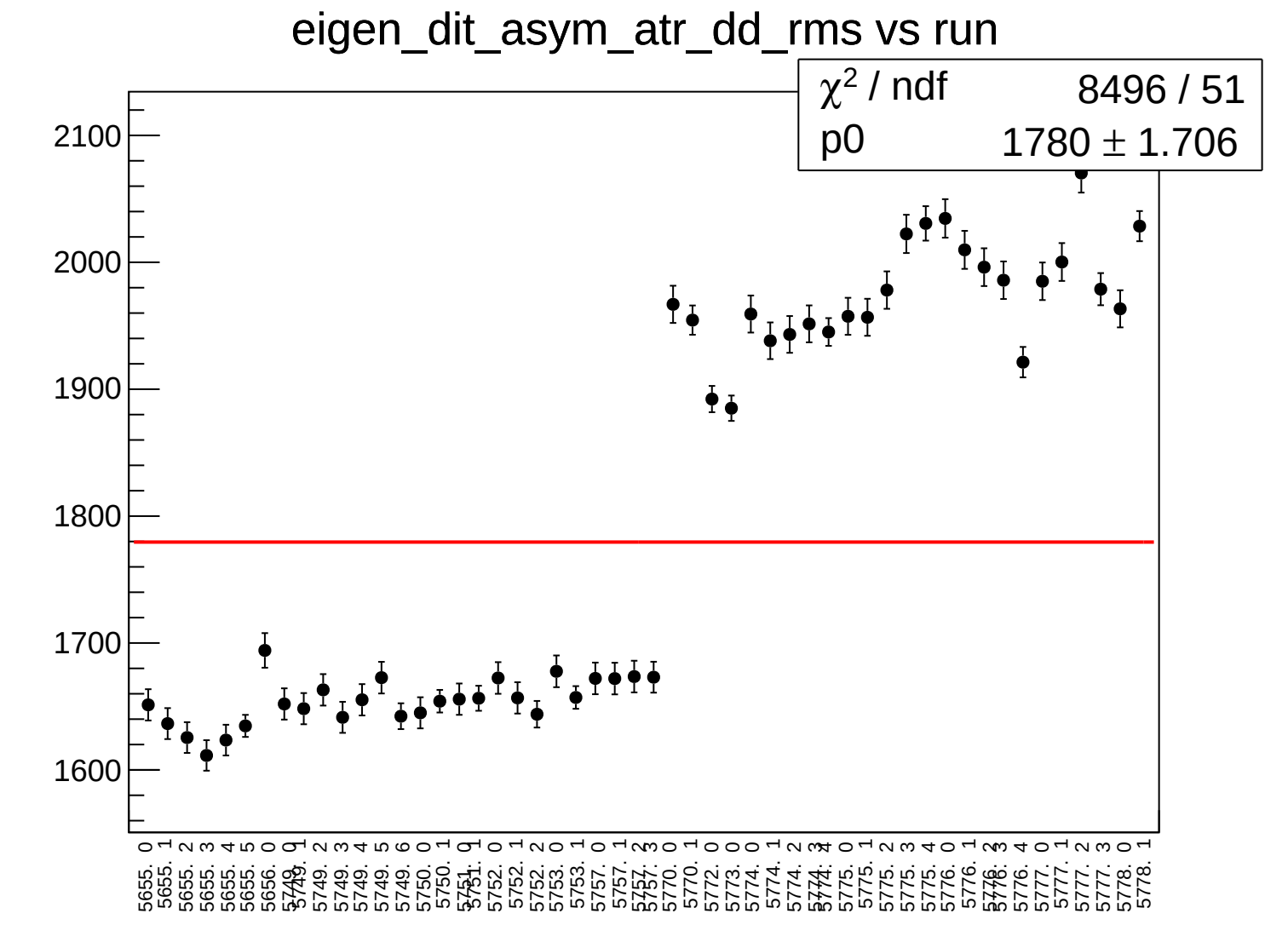
5753. 0
5753. 1
5757. 0
5757. 1
5767. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
pull
Entries 52
Mean −57.32
Std Dev 0
3
2
1
0
−1
pull1D
Entries 52
Mean −0.01439
Std Dev 1.106
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atr_dd_rms vs run
χ² / ndf 8496 / 51
p0 1780 ± 1.706
2100
2000
1900
1800
1700
1600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
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5774. 1
5774. 2
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5776. 0
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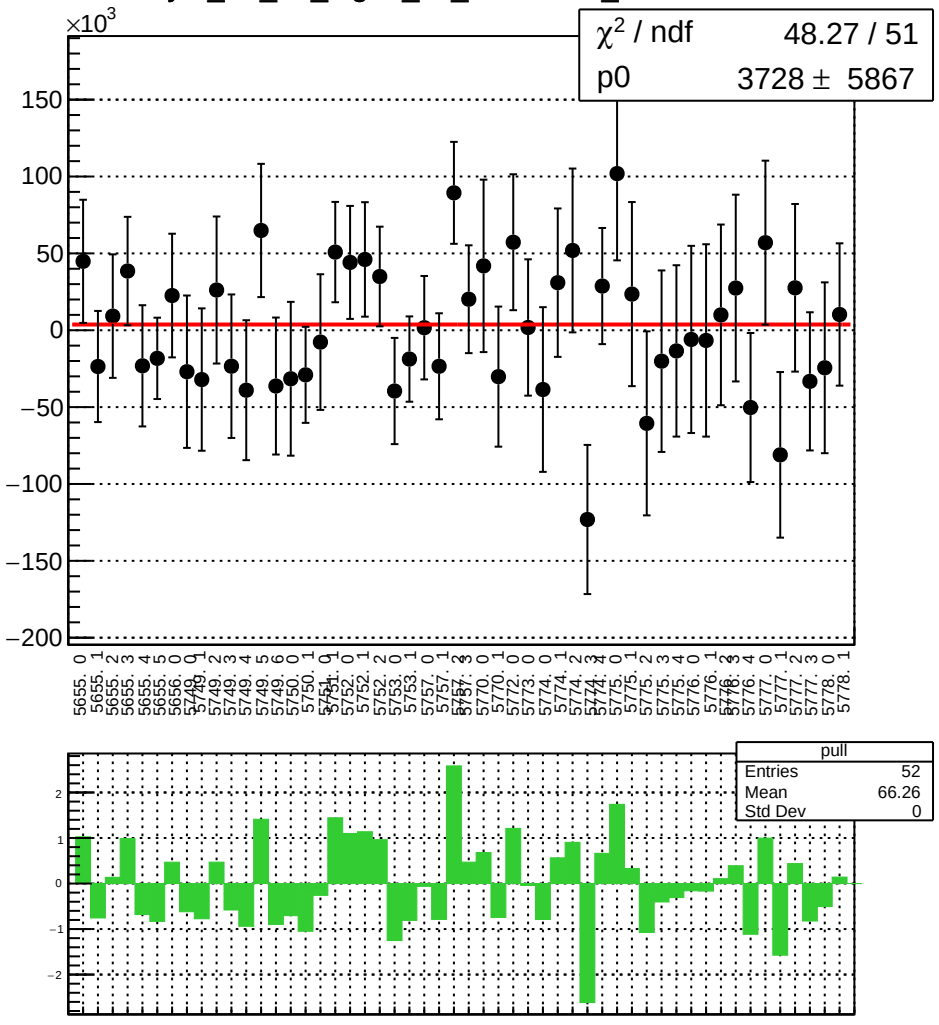
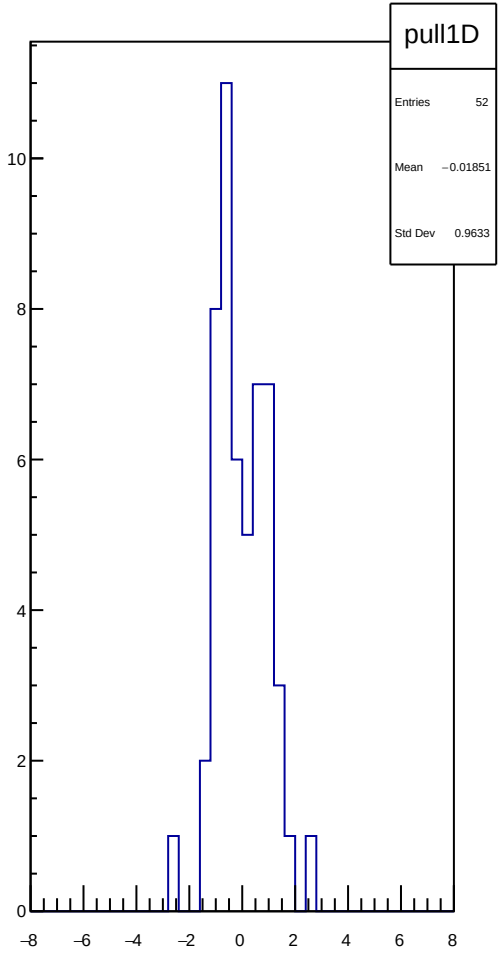
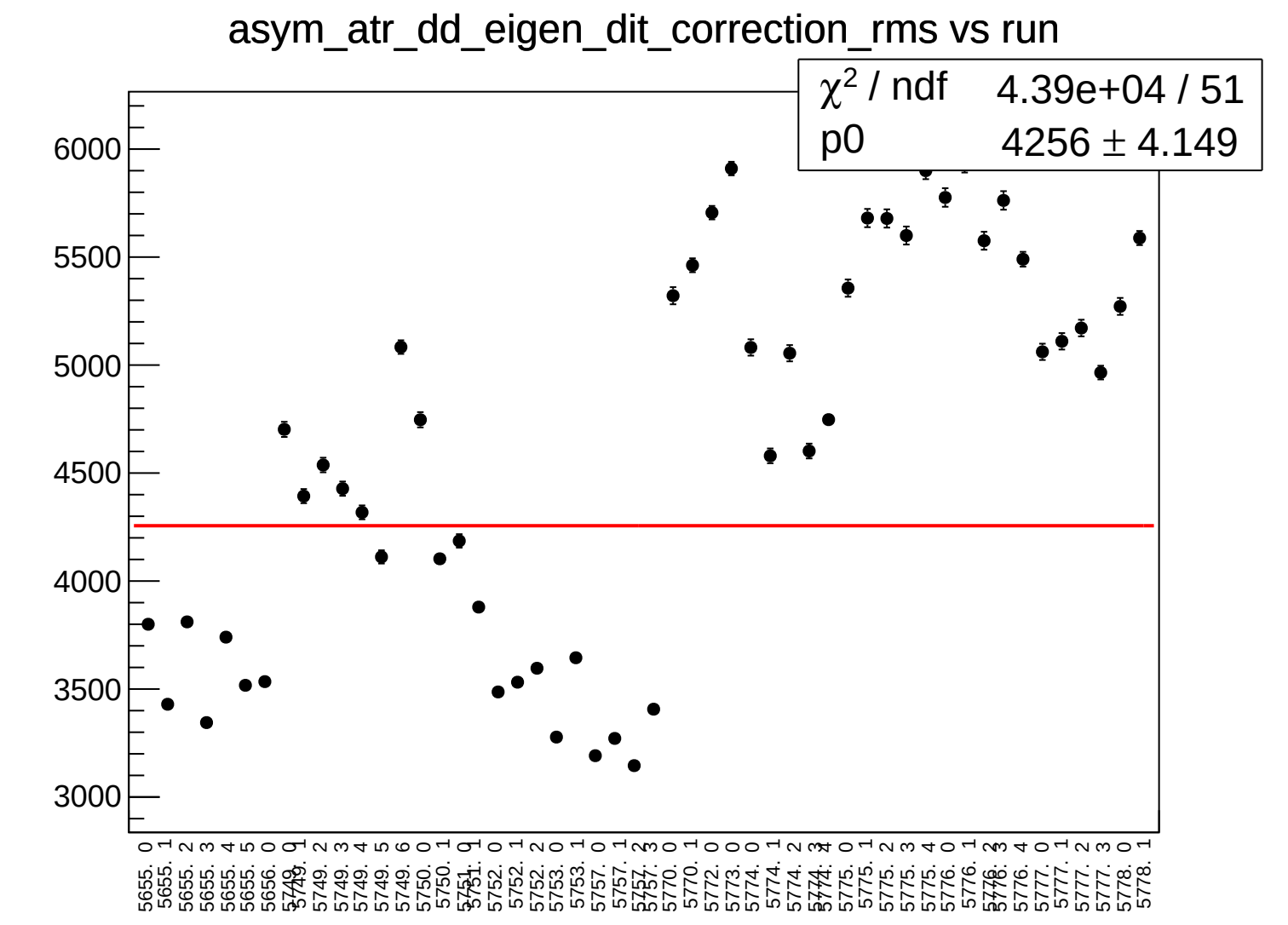
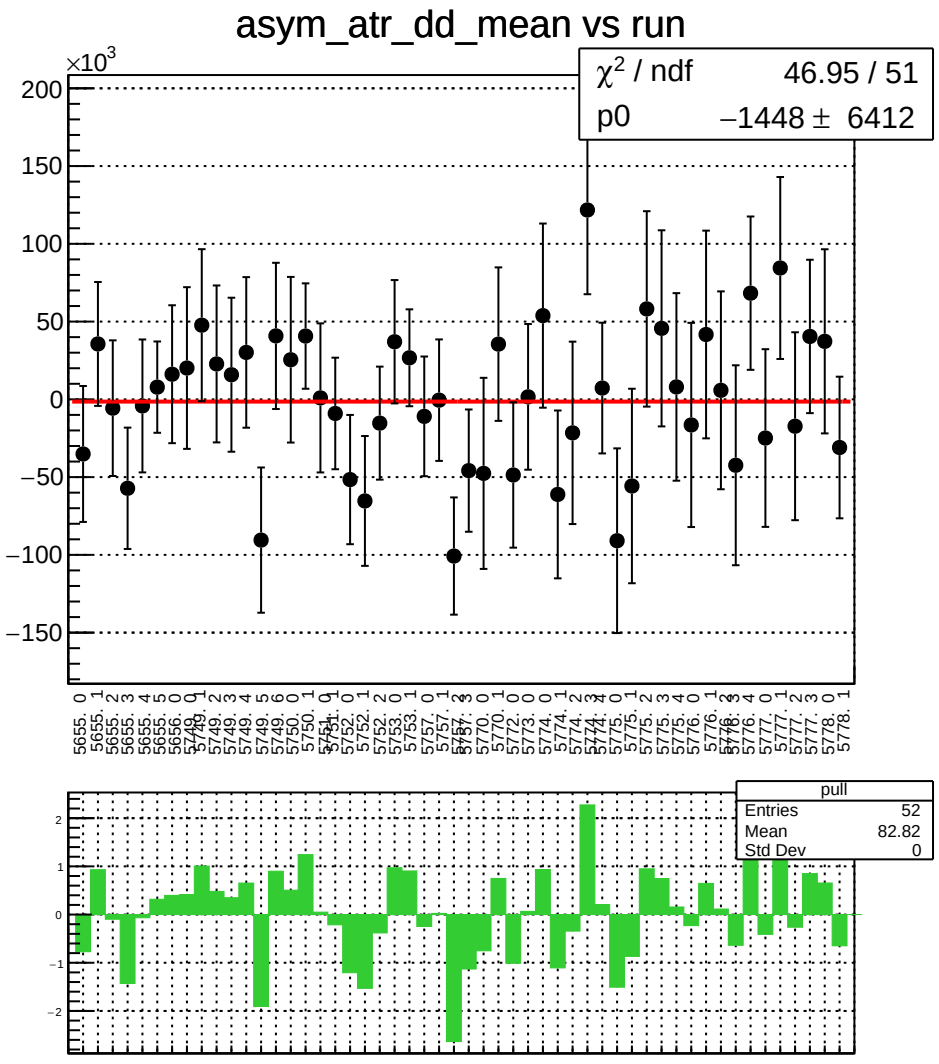
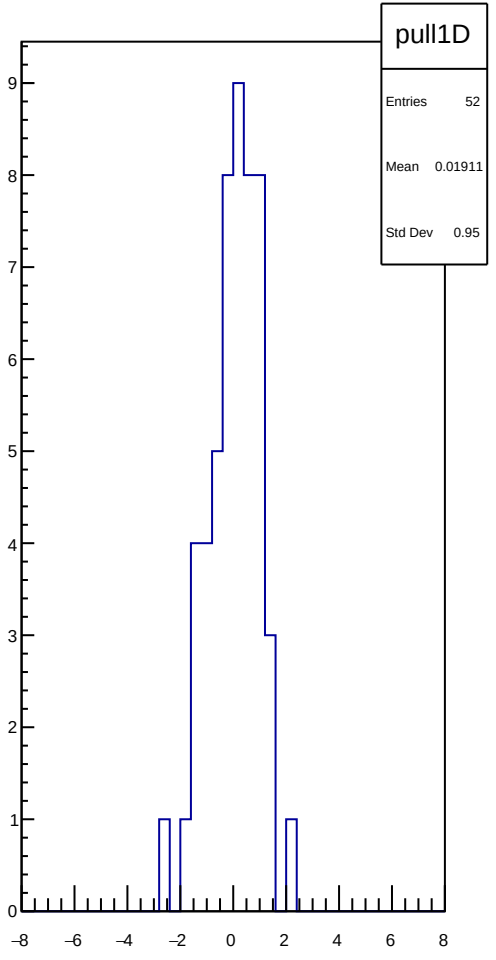
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

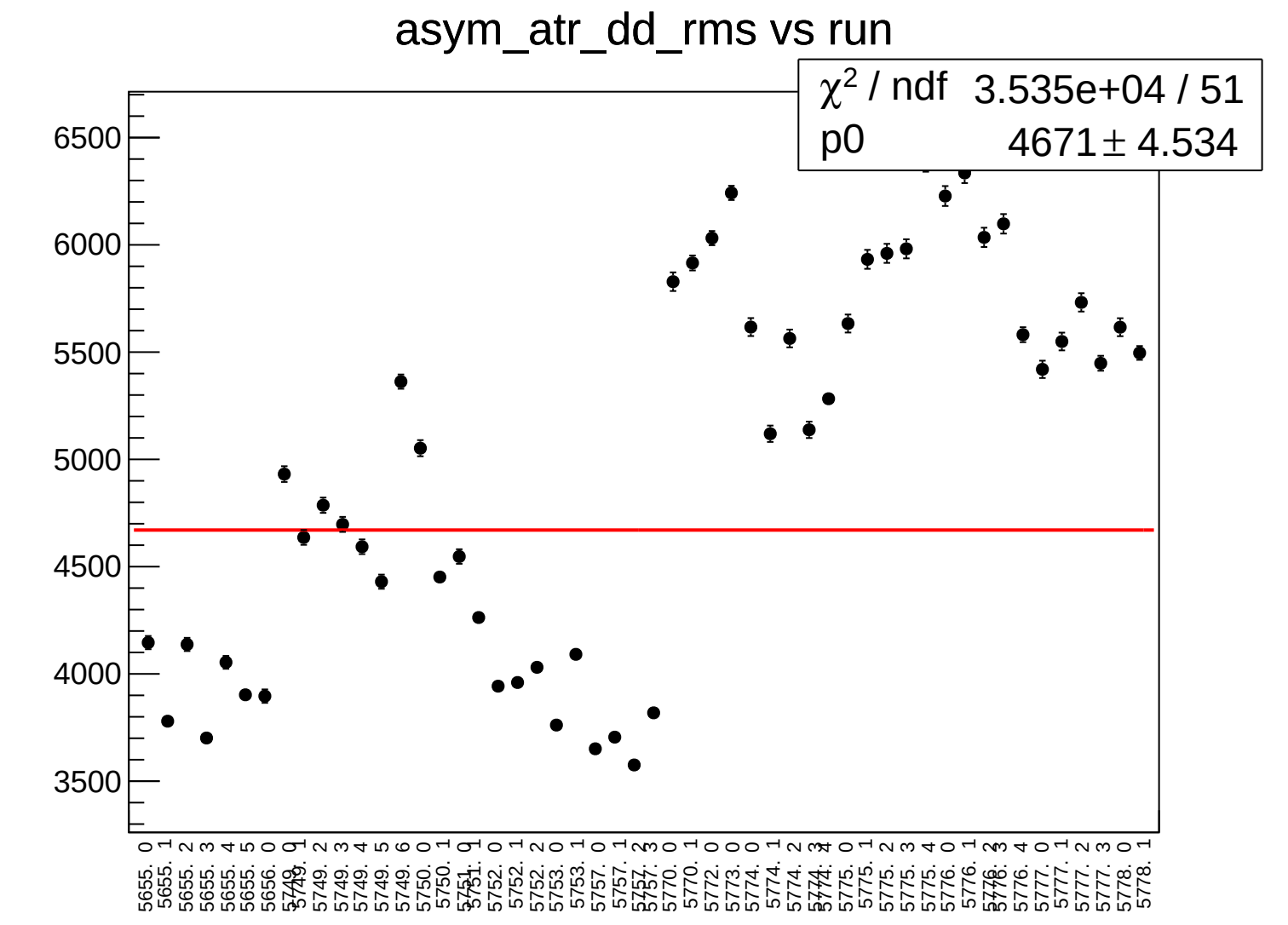

asym_atr_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 48.27 / 51
p0 3728 ± 5867
150
100
50
0
−50
−100
−150
−200
pull
Entries 52
Mean 66.26
Std Dev 0
2
1
0
−1
−2

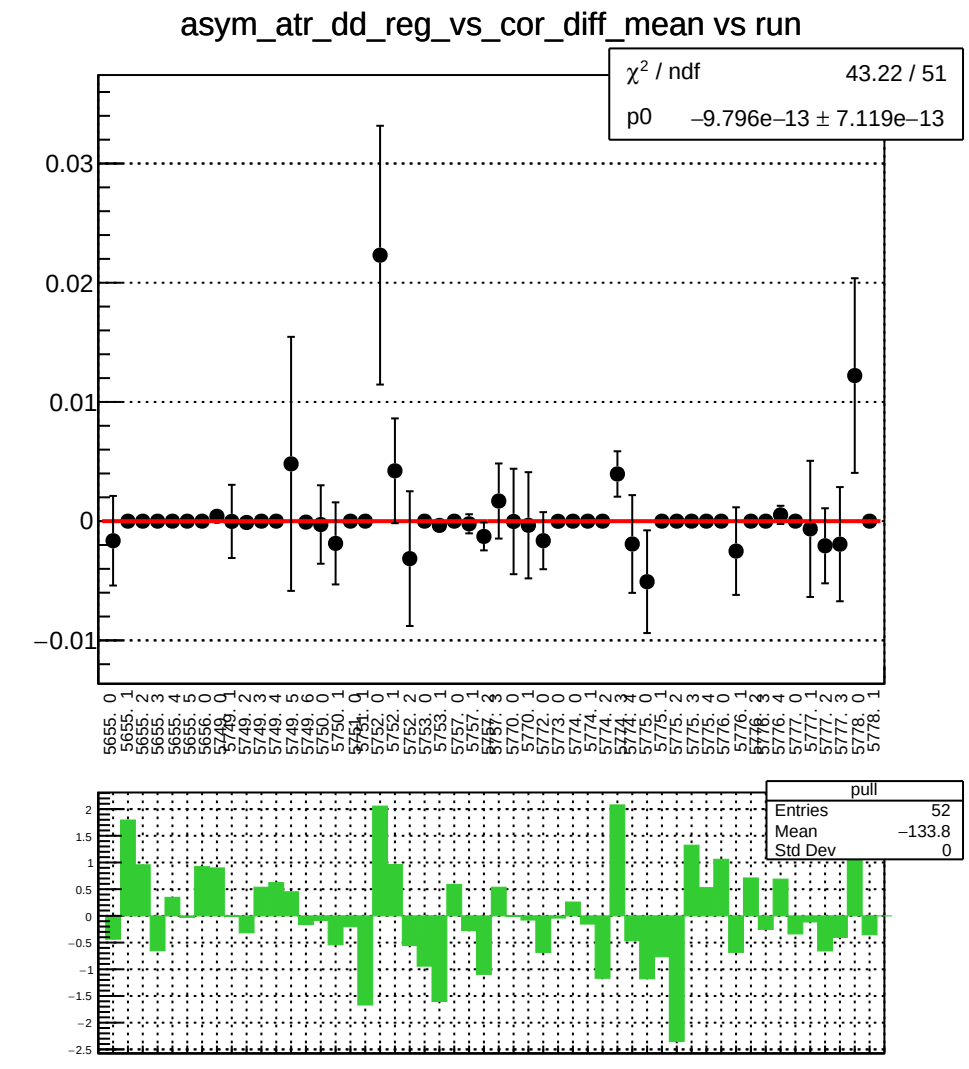

pull1D
Entries 52
Mean −0.01851
Std Dev 0.9633
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

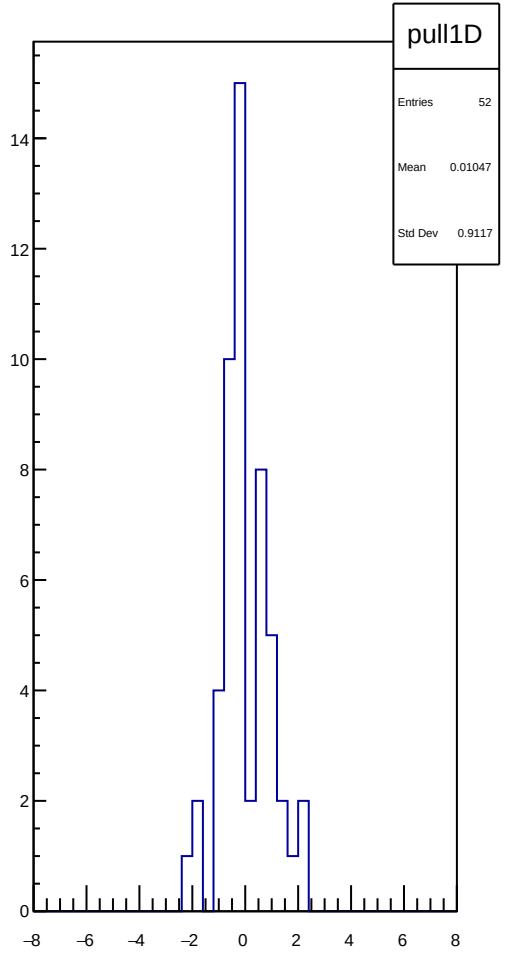

asym_atr_dd_eigen_dit_correction_rms vs run
χ² / ndf 4.39e+04 / 51
p0 4256 ± 4.149
6000
5500
5000
4500
4000
3500
3000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

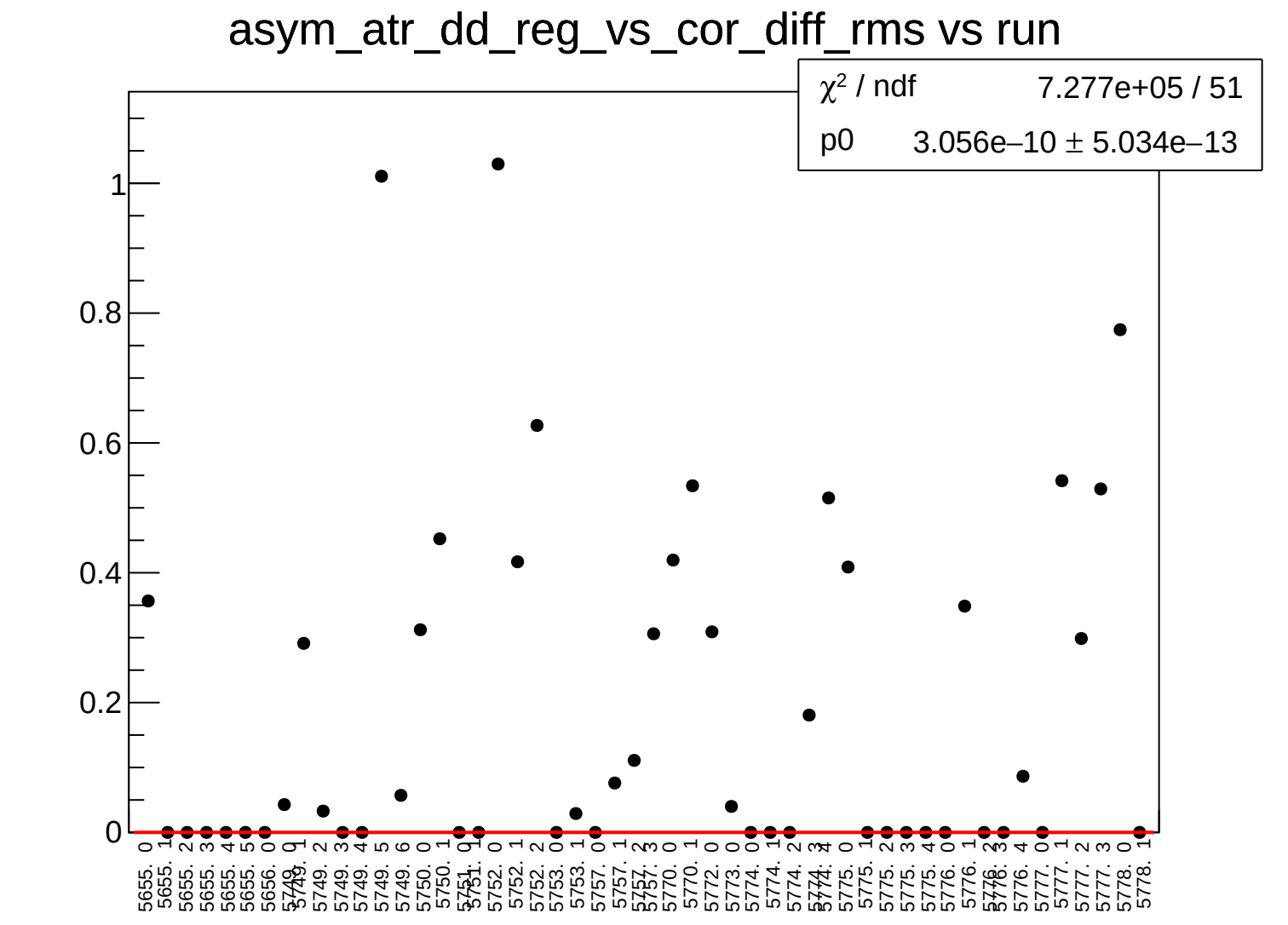

asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 46.95 / 51
p0 −1448 ± 6412
pull
Entries 52
Mean 82.82
Std Dev 0

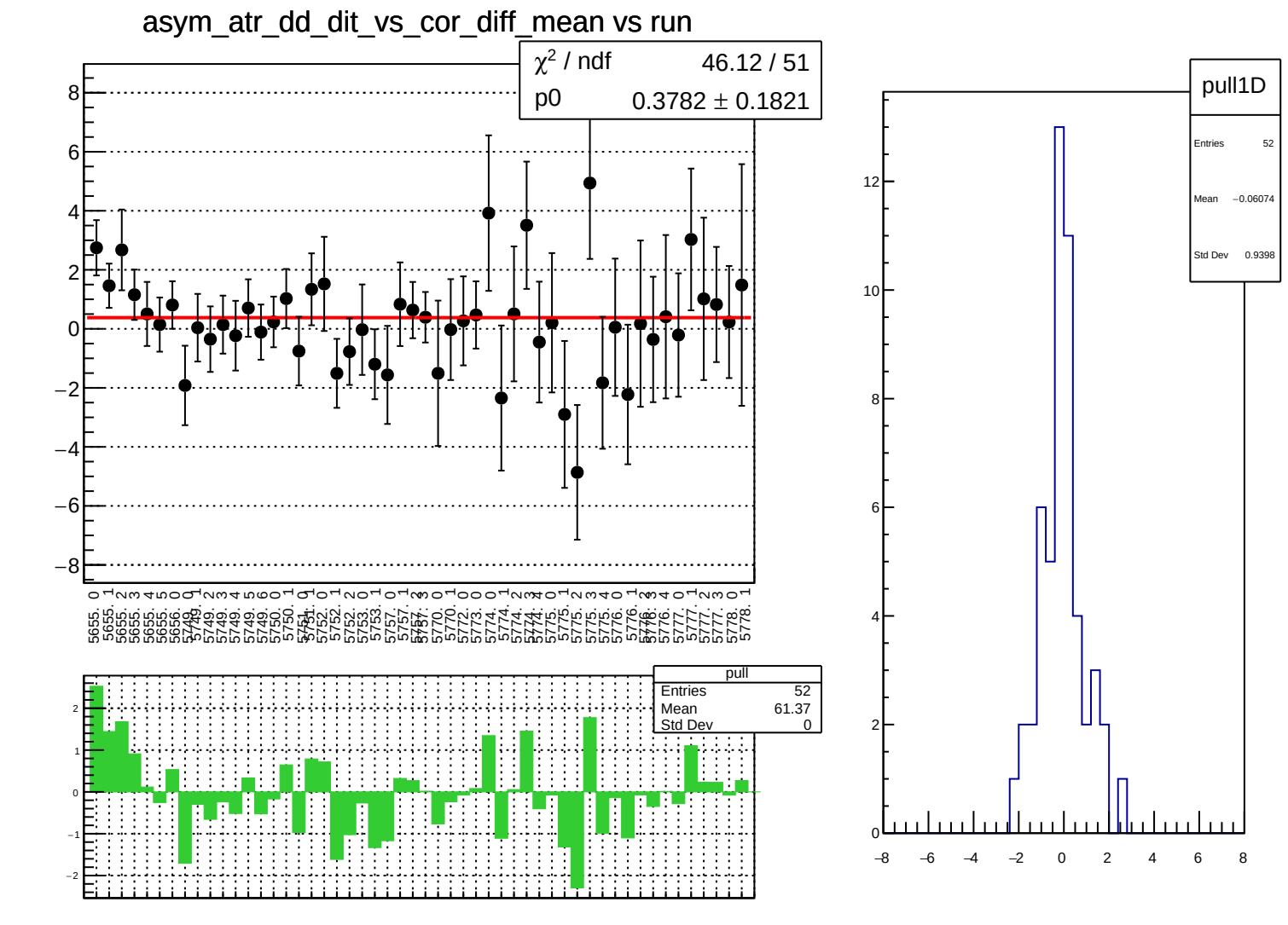

pull1D
Entries 52
Mean 0.01911
Std Dev 0.95

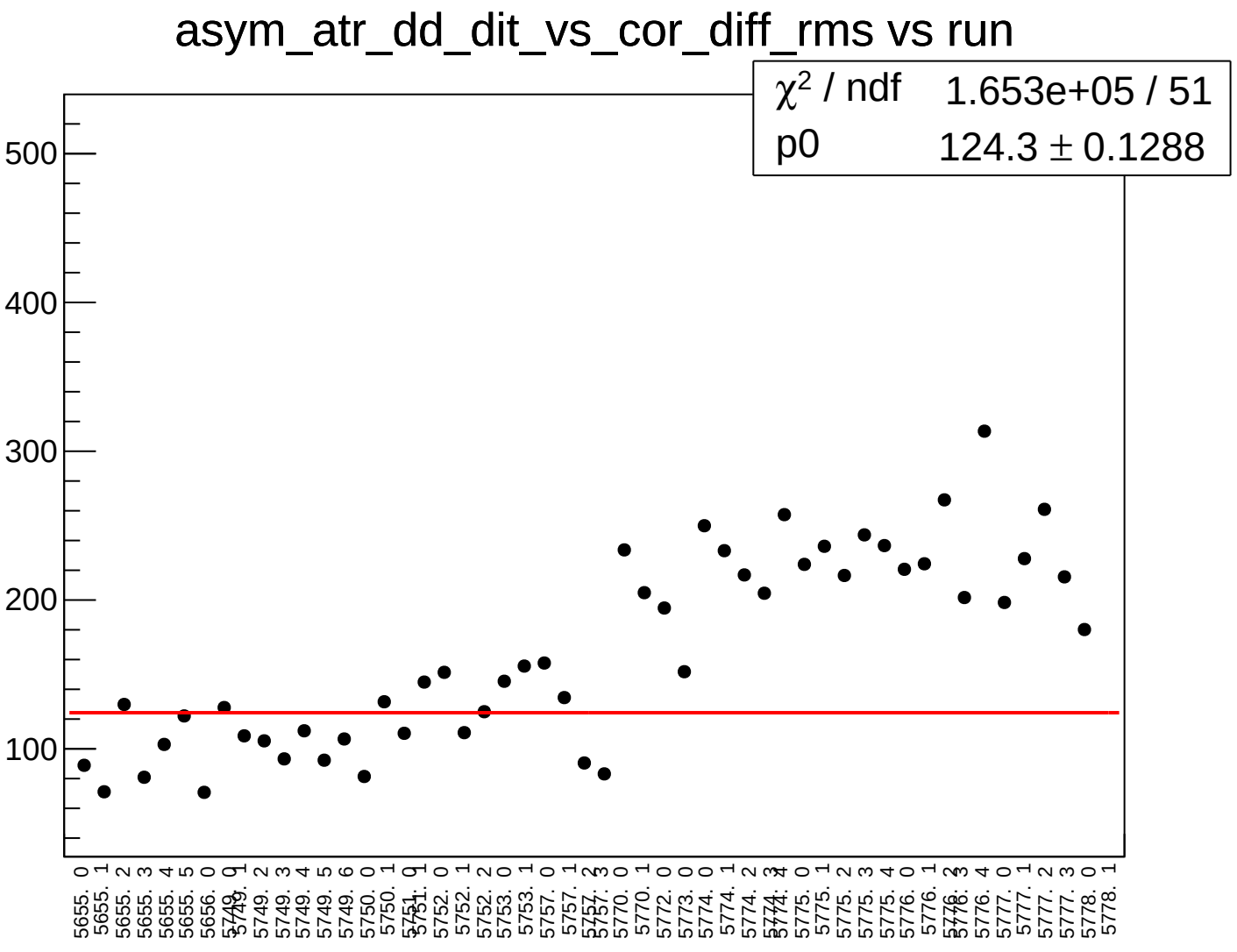

asym_atr_dd_rms vs run
χ² / ndf 3.535e+04 / 51
p0 4671 ± 4.534
6500
6000
5500
5000
4500
4000
3500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

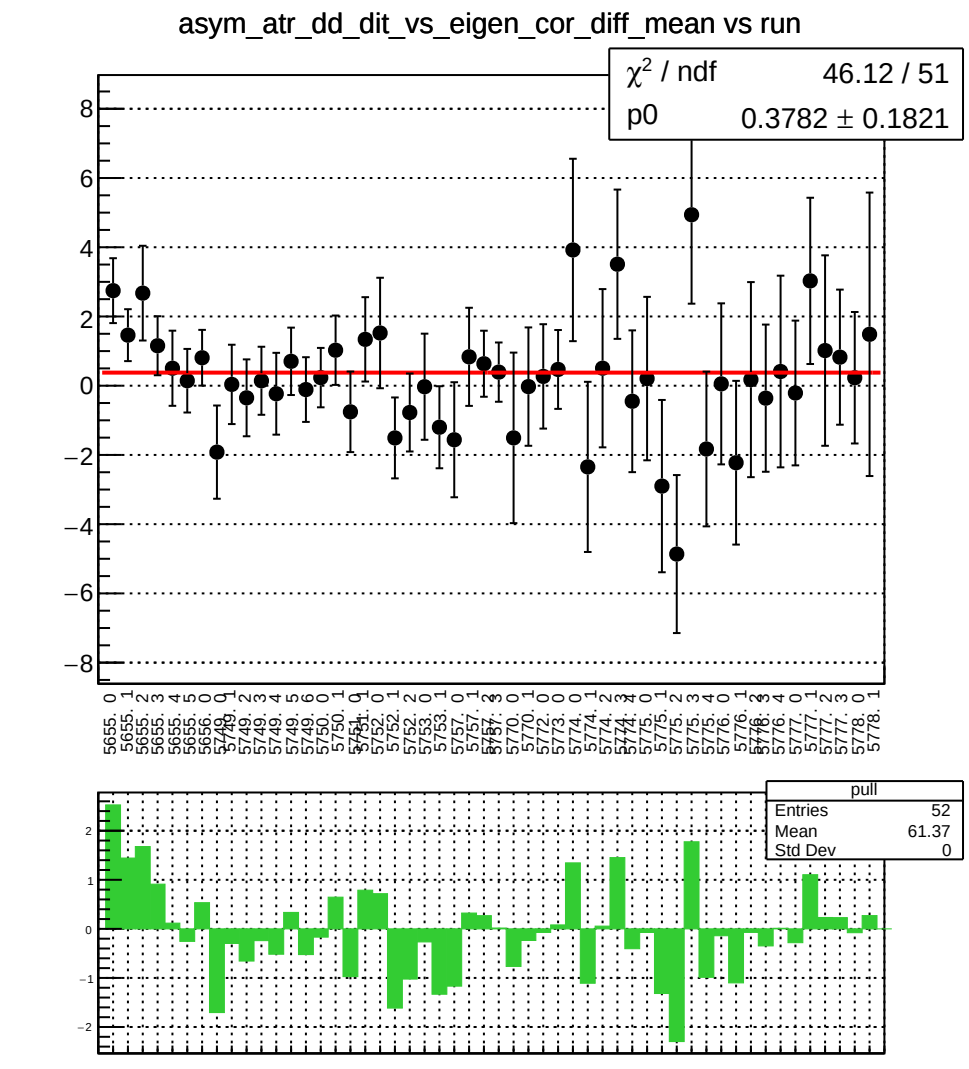

asym_atr_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 43.22 / 51
p0 −9.796e−13 ± 7.119e−13
pull
Entries 52
Mean −133.8
Std Dev 0

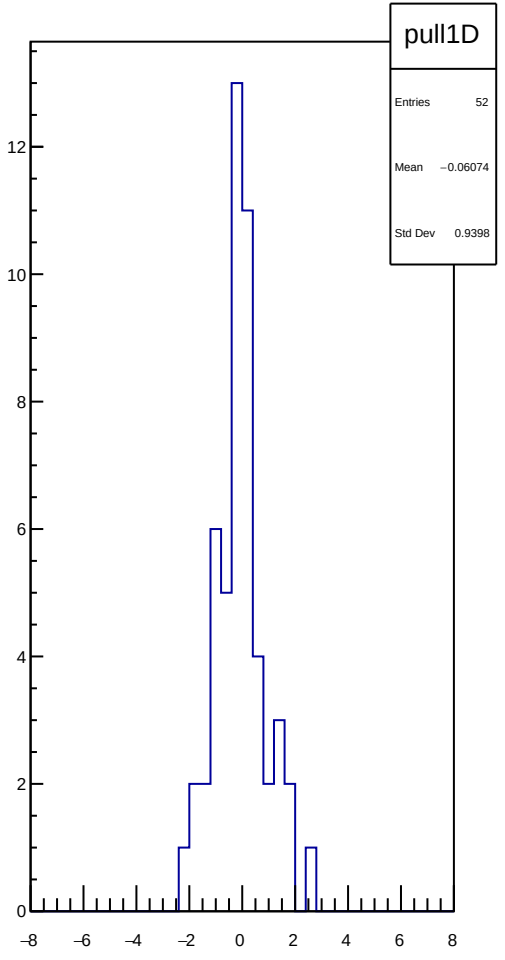

pull1D
Entries 52
Mean 0.01047
Std Dev 0.9117

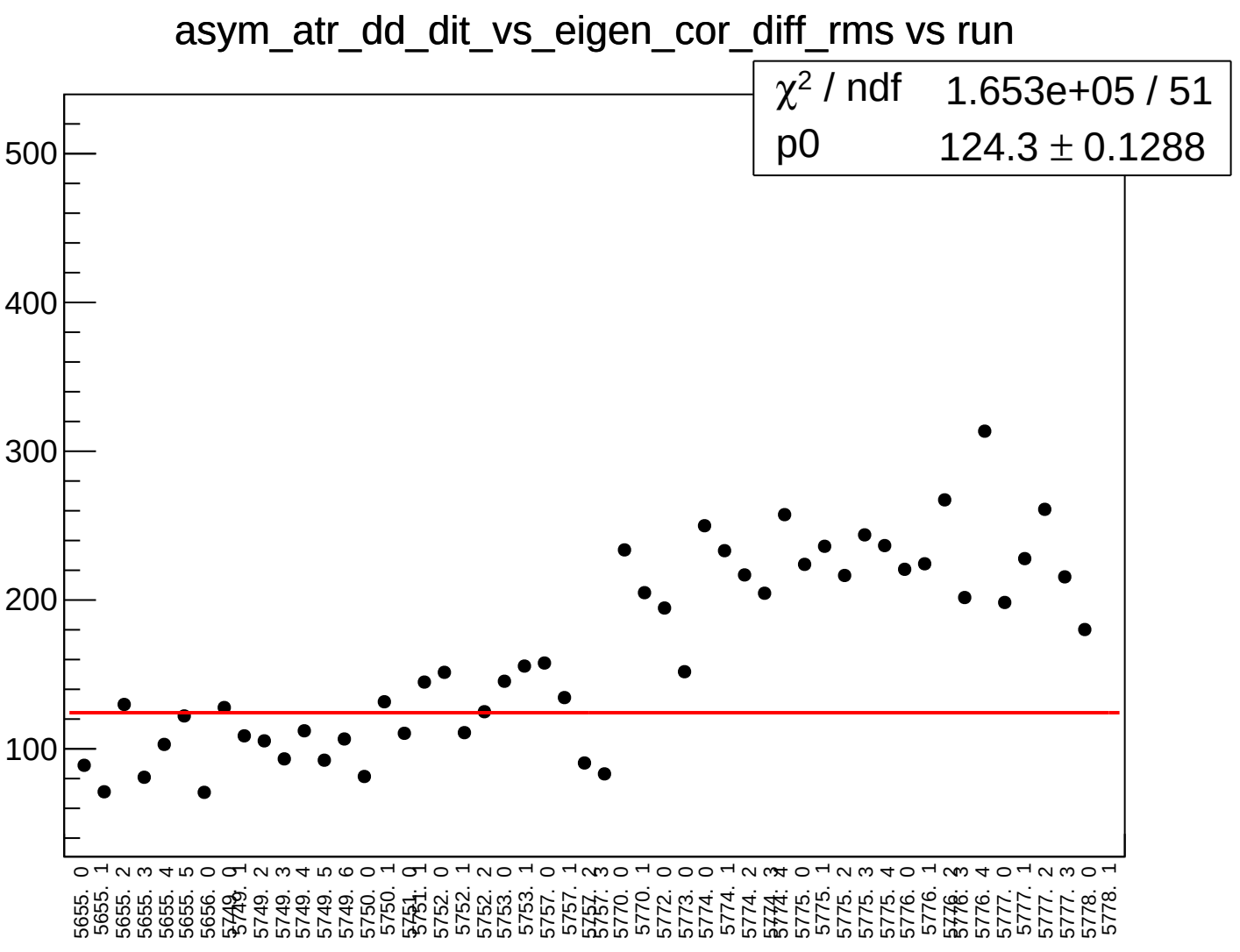

asym_atr_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.277e+05 / 51
p0 3.056e−10 ± 5.034e−13
1
0.8
0.6
0.4
0.2
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

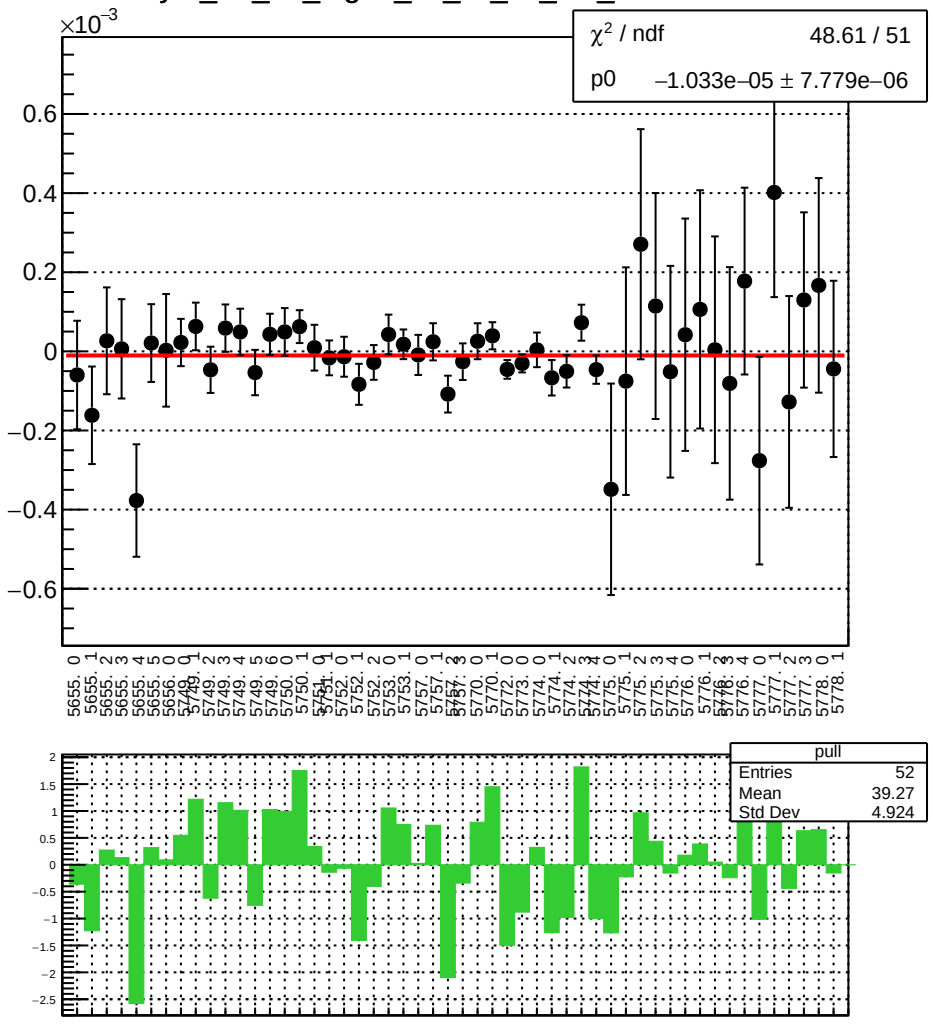

asym_atr_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 46.12 / 51
p0 0.3782 ± 0.1821
pull
Entries 52
Mean 61.37
Std Dev 0
pull1D
Entries 52
Mean −0.06074
Std Dev 0.9398

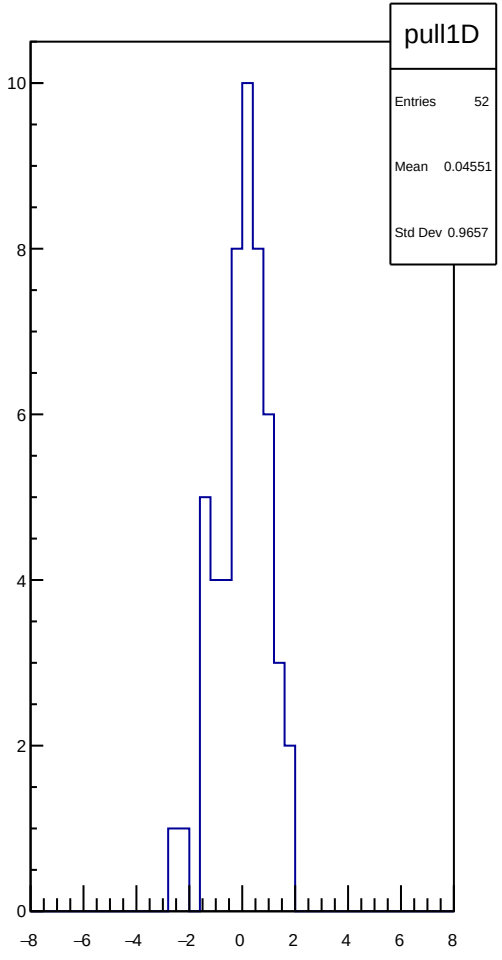

asym_atr_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.653e+05 / 51
p0 124.3 ± 0.1288
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

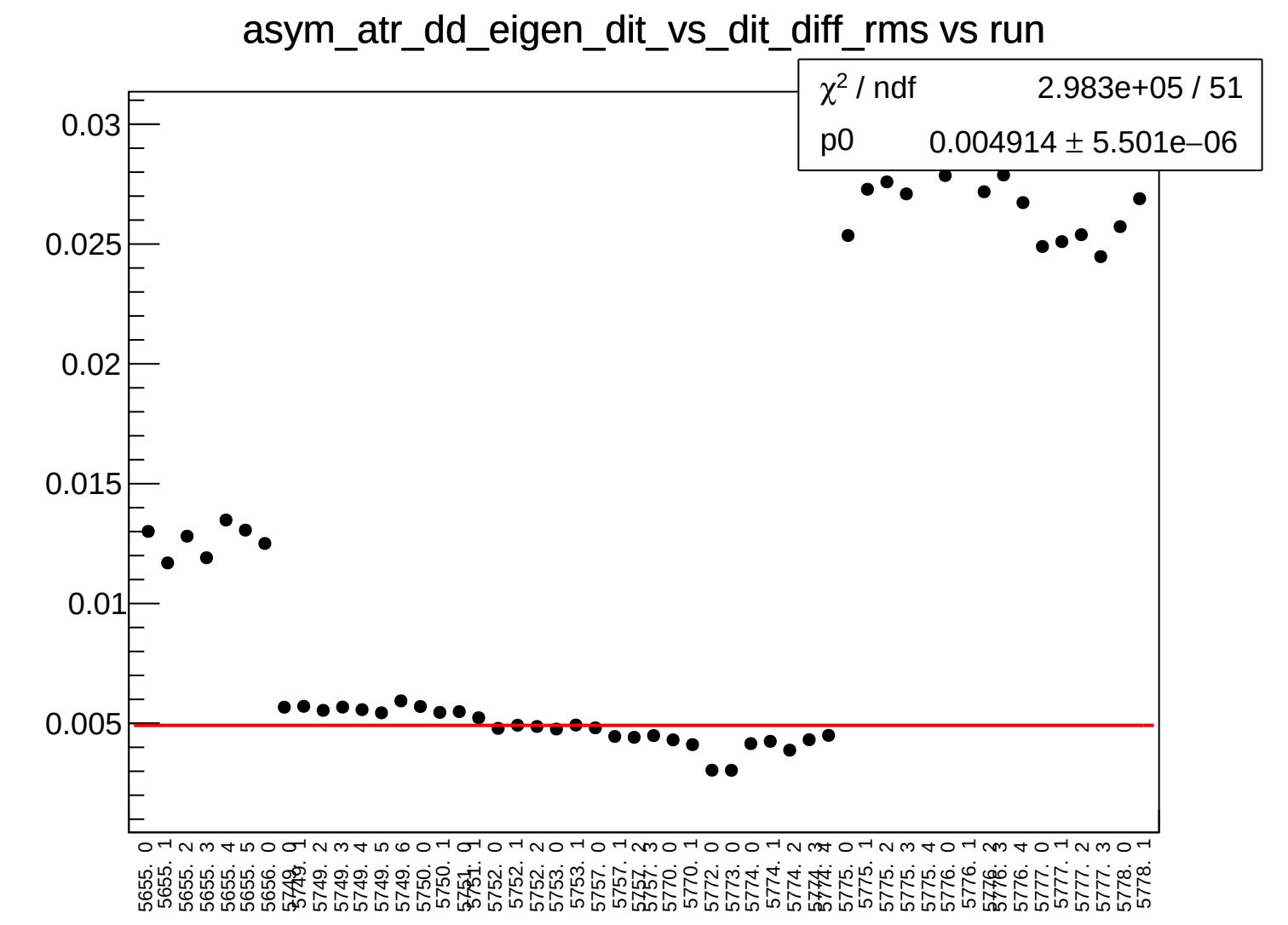

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.12 / 51
p0 0.3782 ± 0.1821
pull
Entries 52
Mean 61.37
Std Dev 0

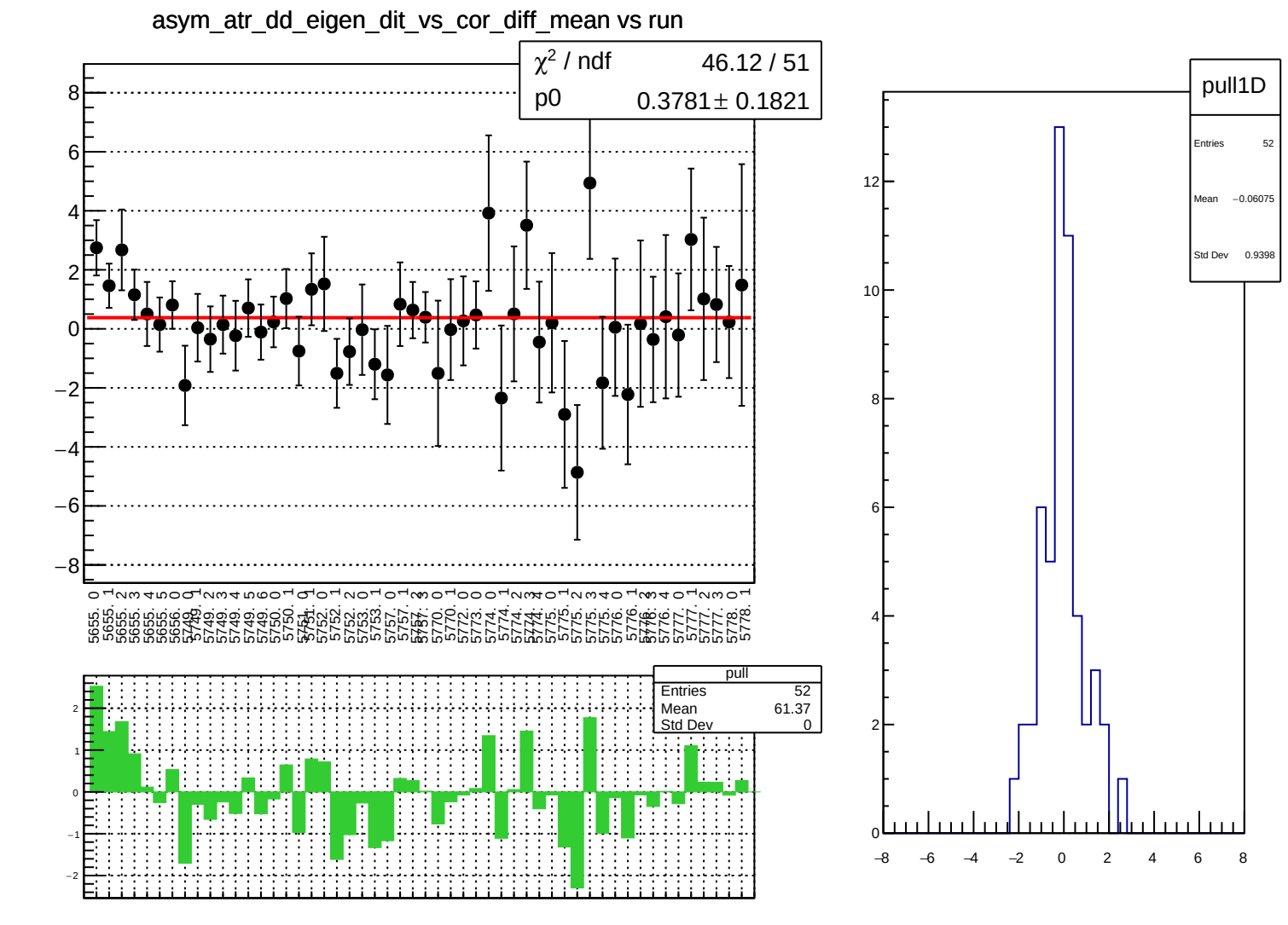

pull1D
Entries 52
Mean −0.06074
Std Dev 0.9398

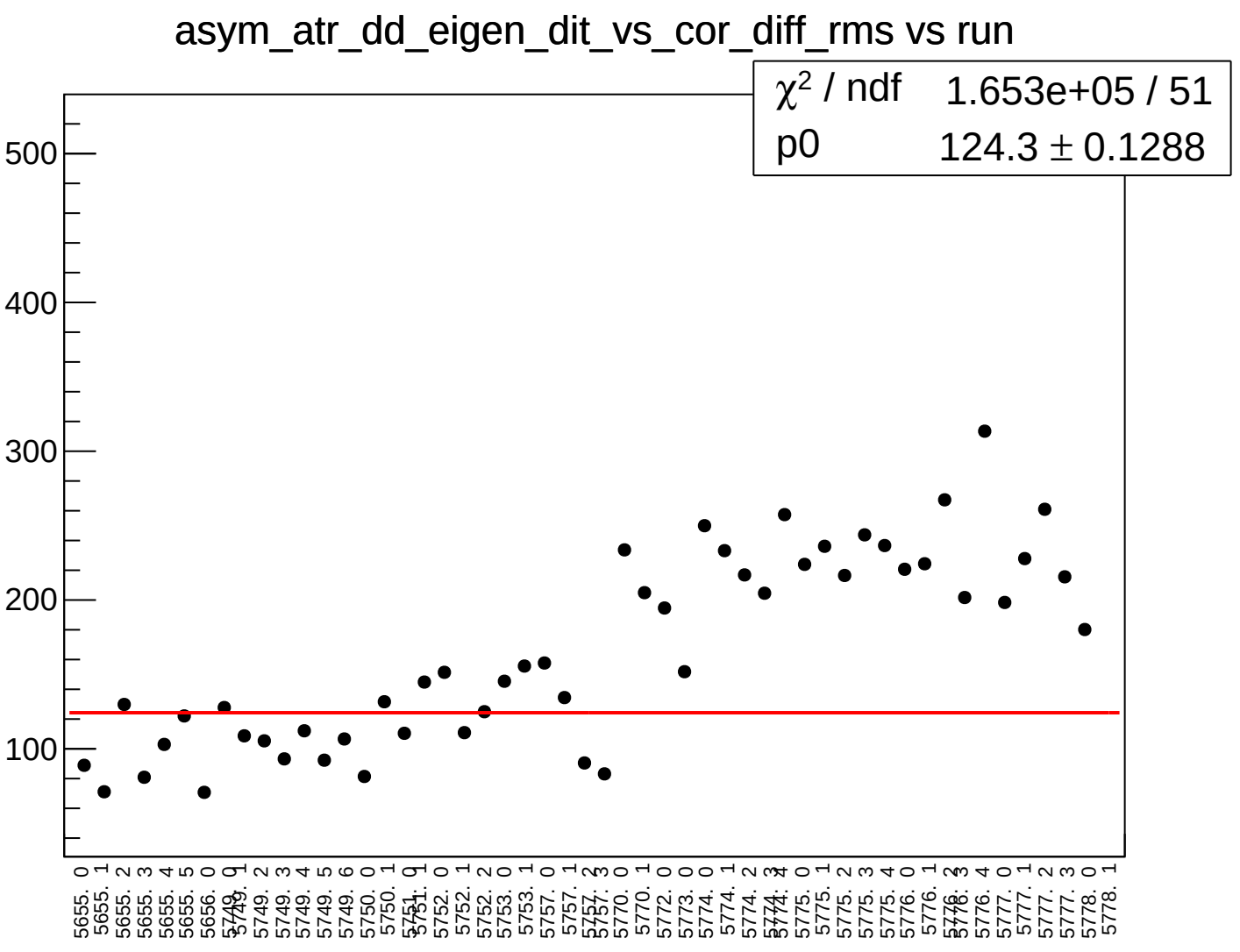

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.653e+05 / 51
p0 124.3 ± 0.1288
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

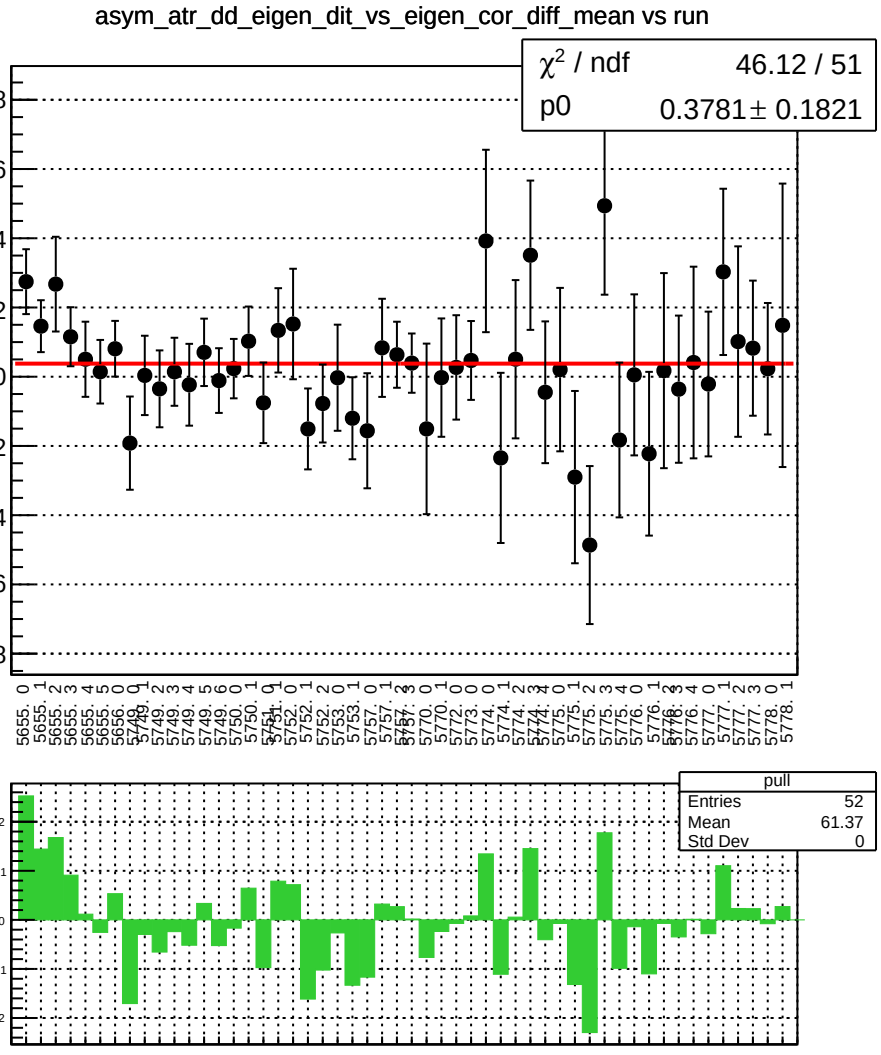

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 48.61 / 51
p0 −1.033e−05 ± 7.779e−06
pull
Entries 52
Mean 39.27
Std Dev 4.924

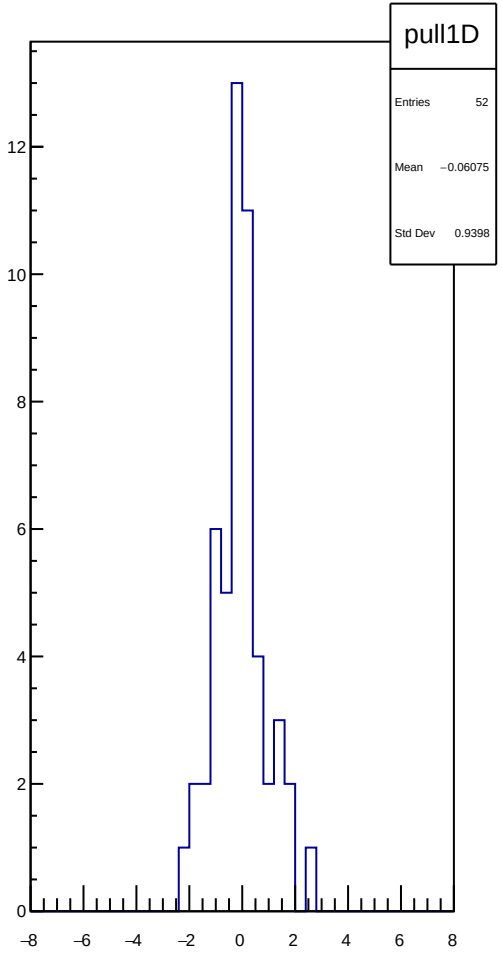

pull1D
Entries 52
Mean 0.04551
Std Dev 0.9657

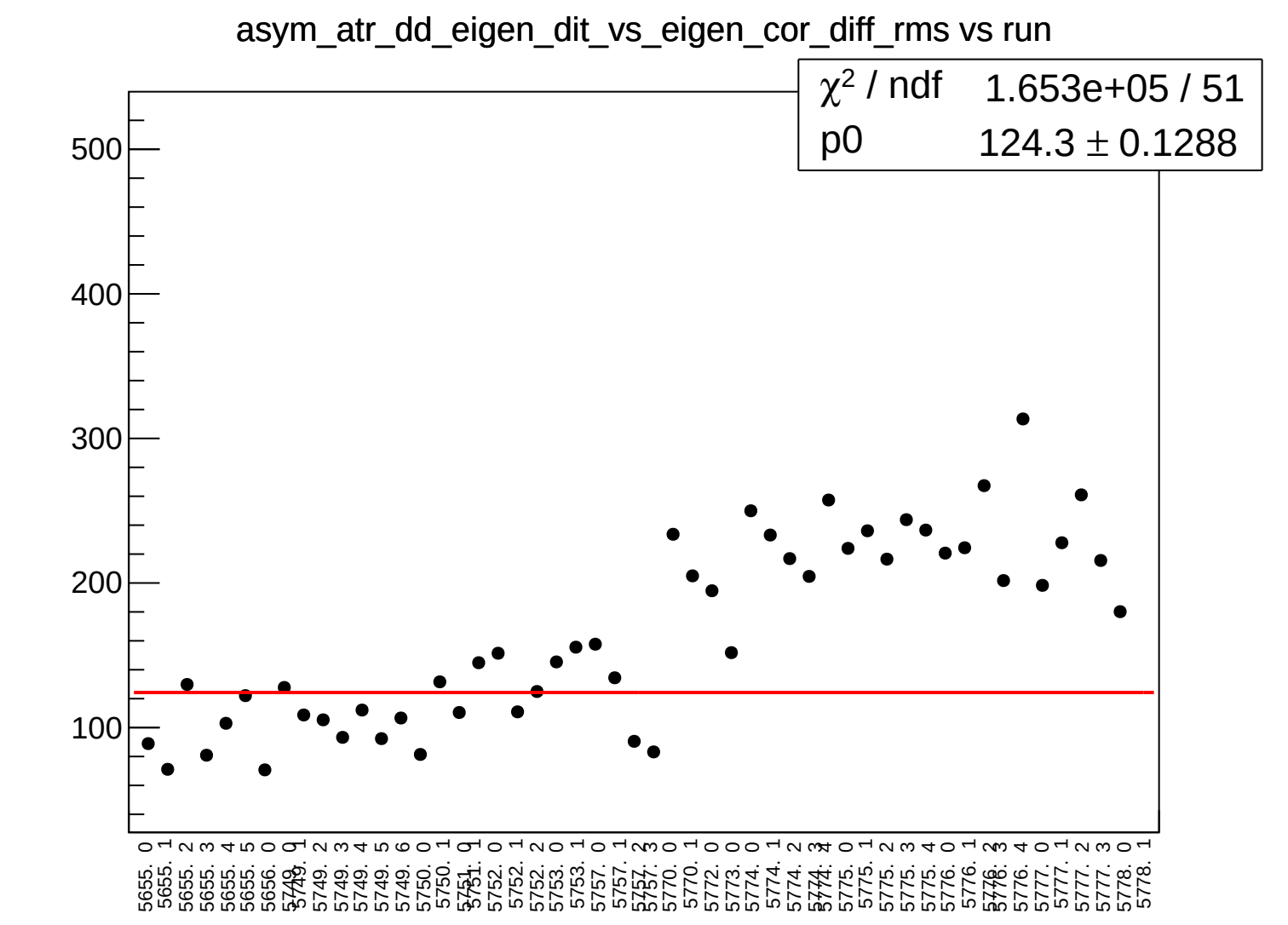

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.983e+05 / 51
p0 0.004914 ± 5.501e−06
0.03
0.025
0.02
0.015
0.01
0.005
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

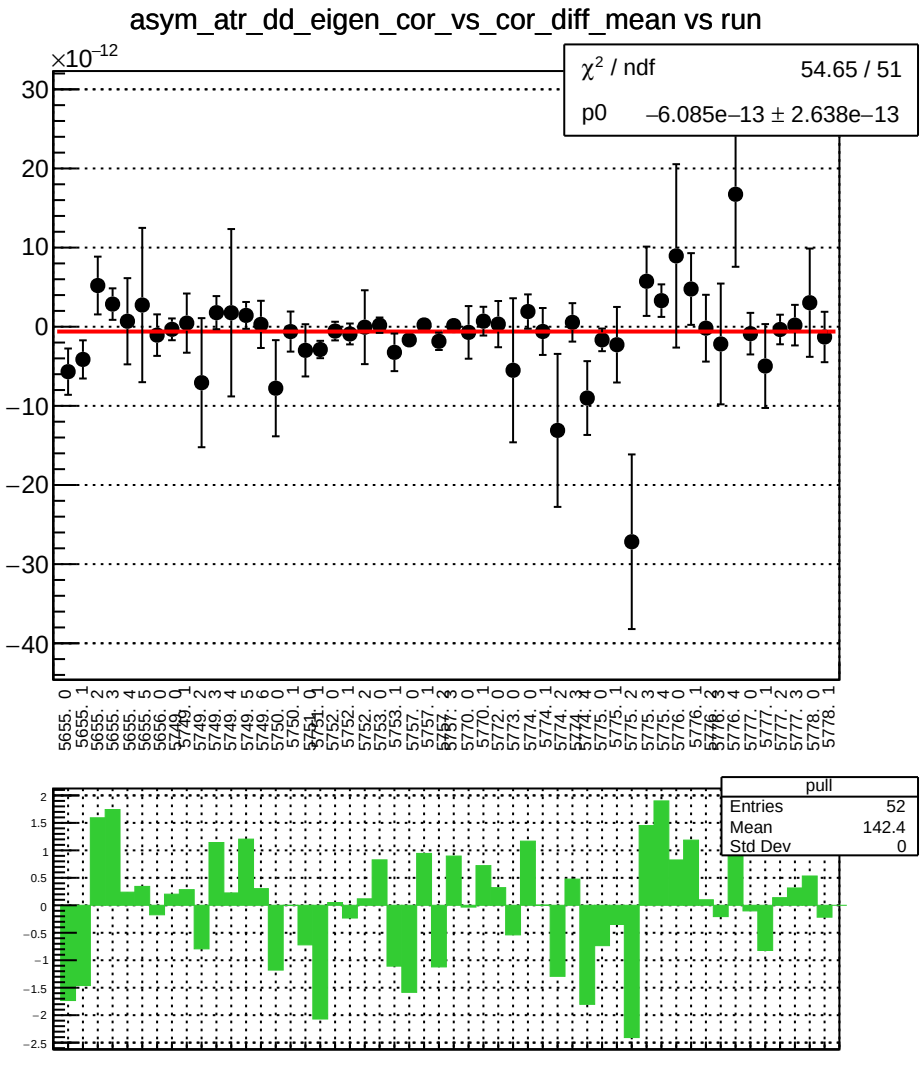

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.12 / 51
p0 0.3781 ± 0.1821
pull
Entries 52
Mean 61.37
Std Dev 0
pull1D
Entries 52
Mean −0.06075
Std Dev 0.9398

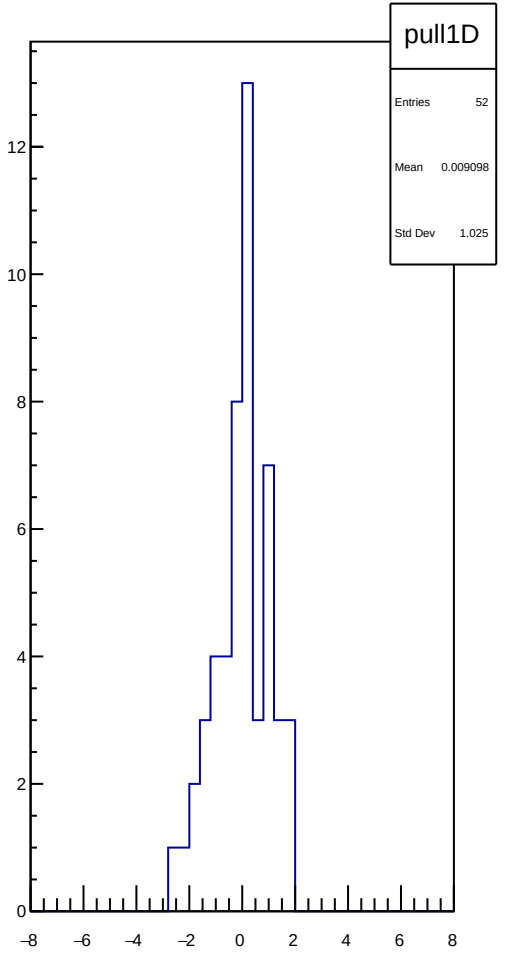

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.653e+05 / 51
p0 124.3 ± 0.1288
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

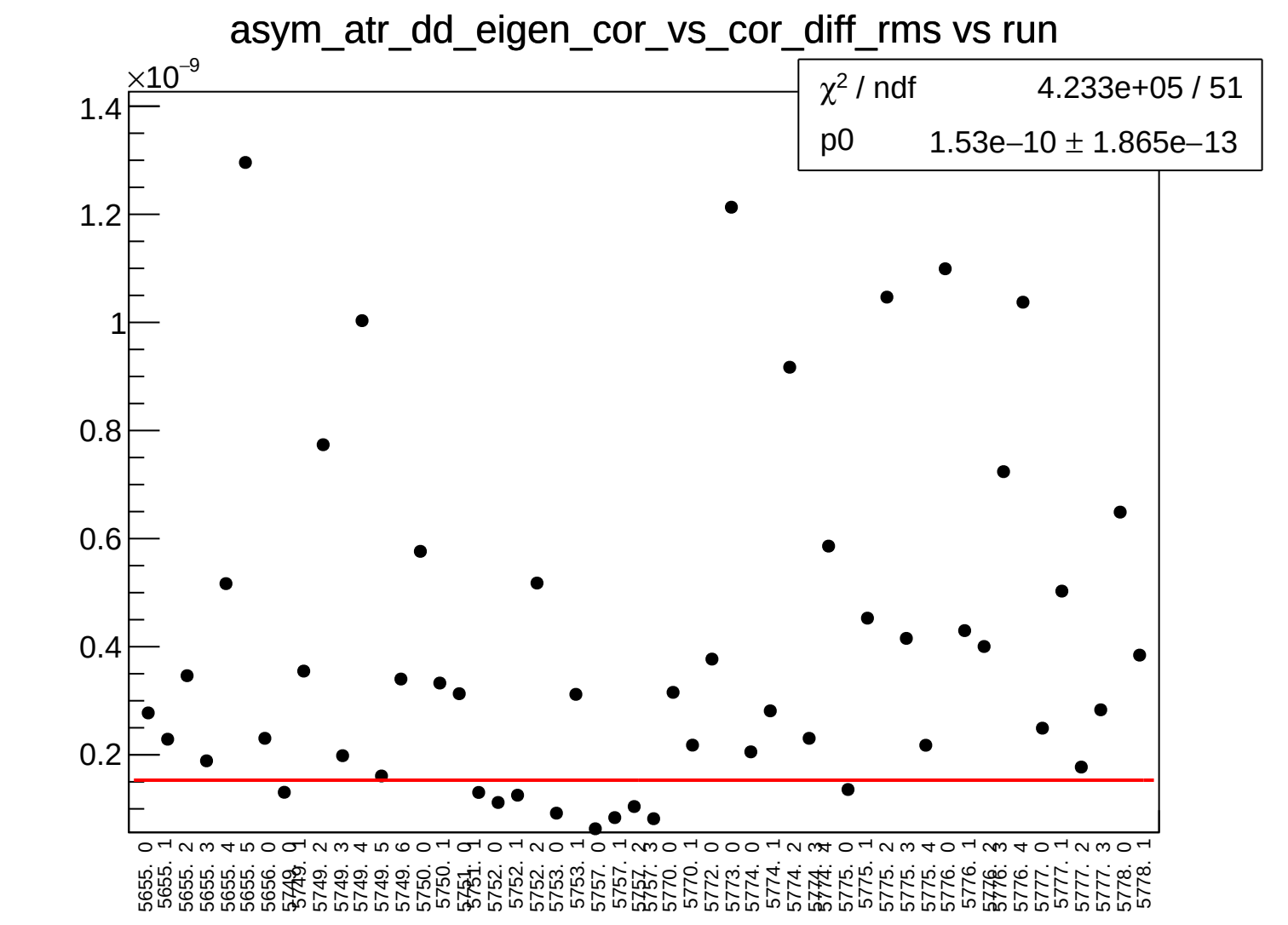

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.12 / 51
p0 0.3781 ± 0.1821
pull
Entries 52
Mean 61.37
Std Dev 0

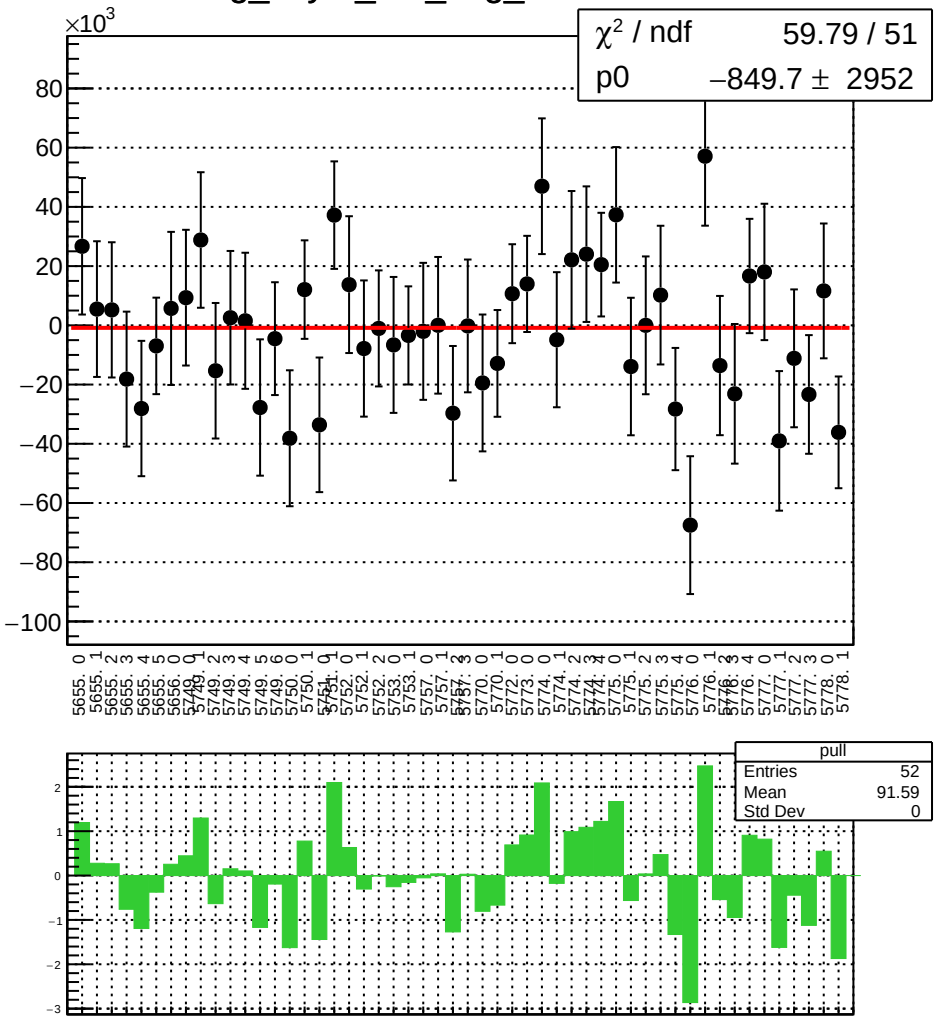

pull1D
Entries 52
Mean −0.06075
Std Dev 0.9398

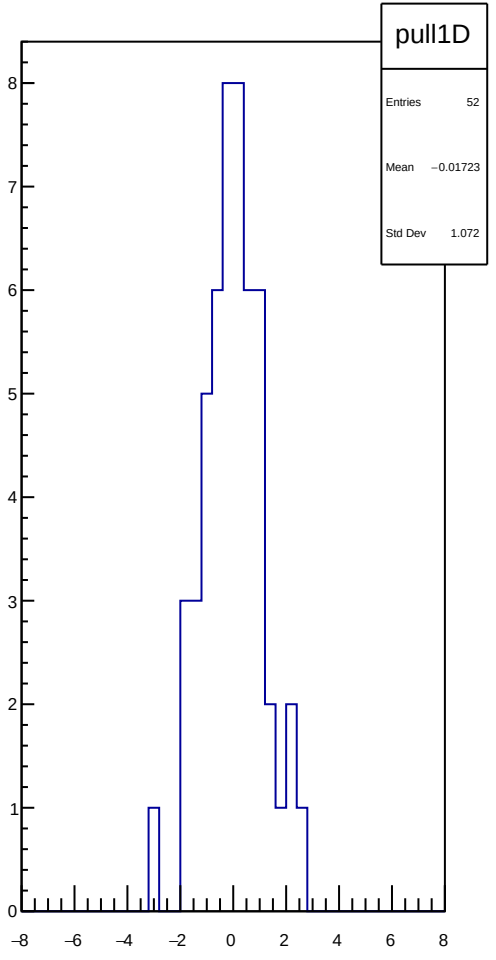

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.653e+05 / 51
p0 124.3 ± 0.1288
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

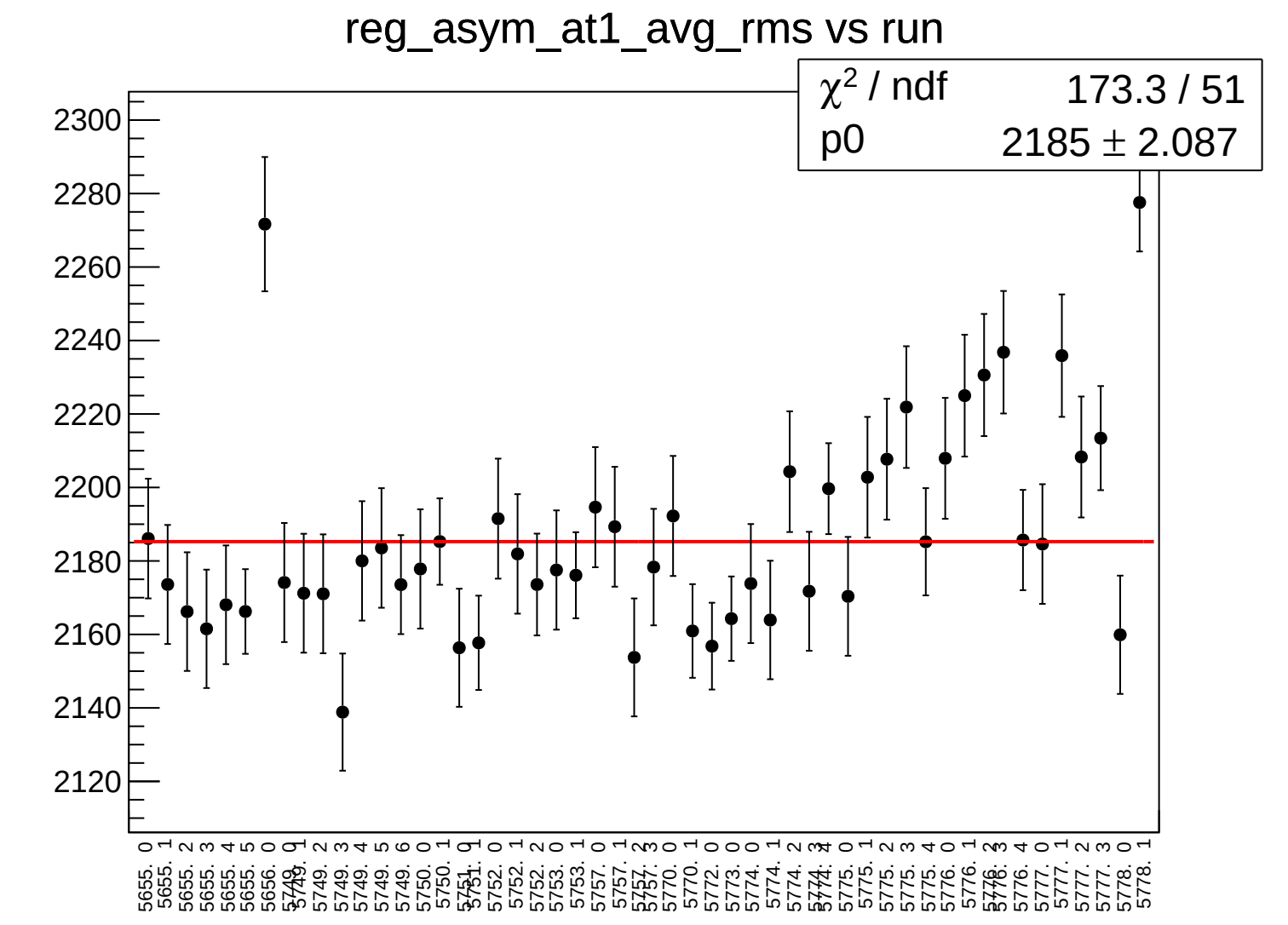

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.65 / 51
p0 −6.085e−13 ± 2.638e−13
pull
Entries 52
Mean 142.4
Std Dev 0

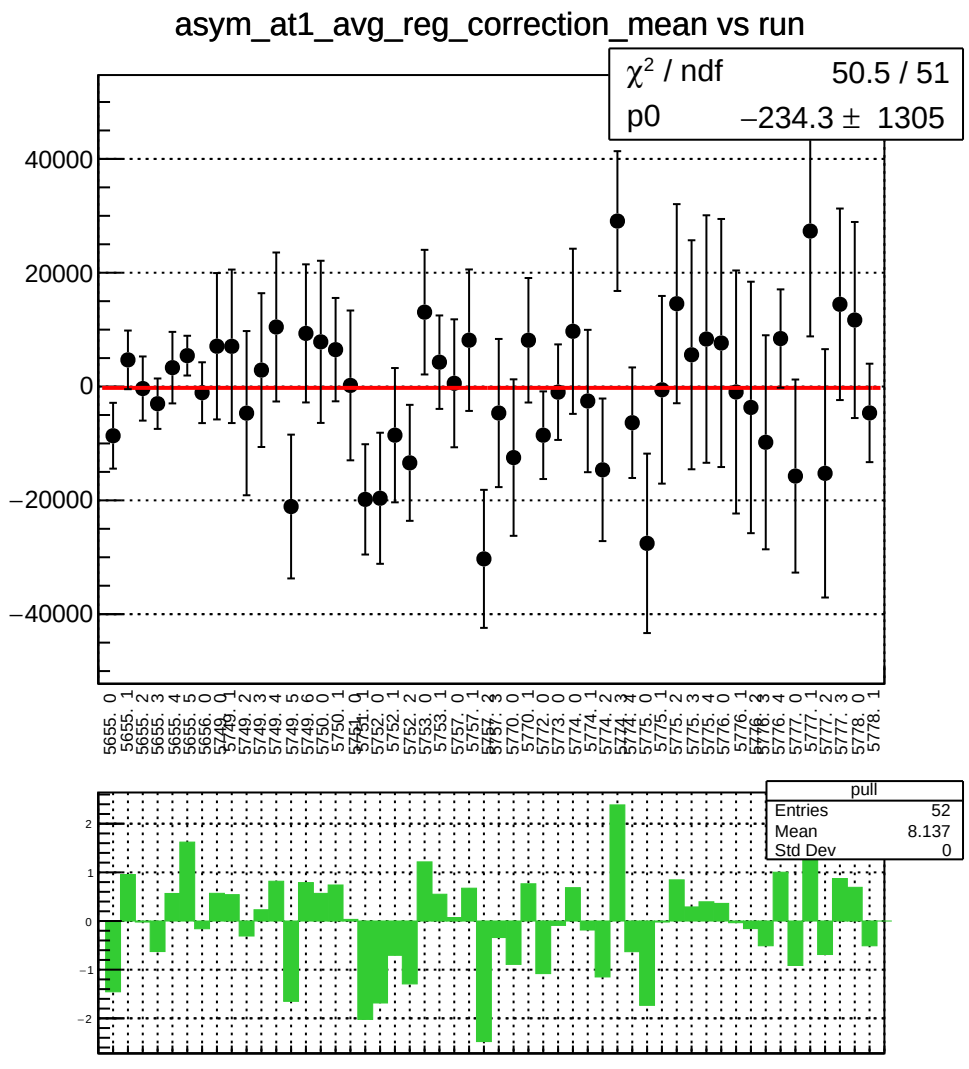

pull1D
Entries 52
Mean 0.009098
Std Dev 1.025

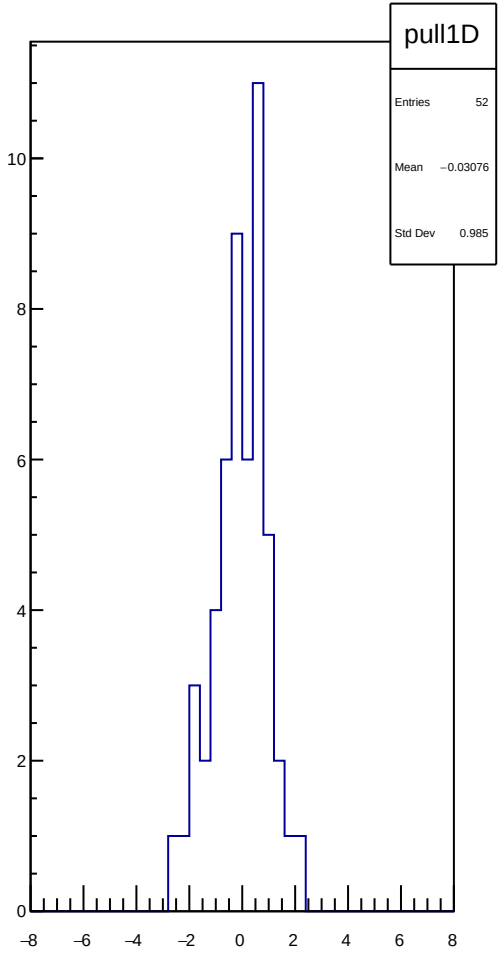

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.233e+05 / 51
p0 1.53e−10 ± 1.865e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

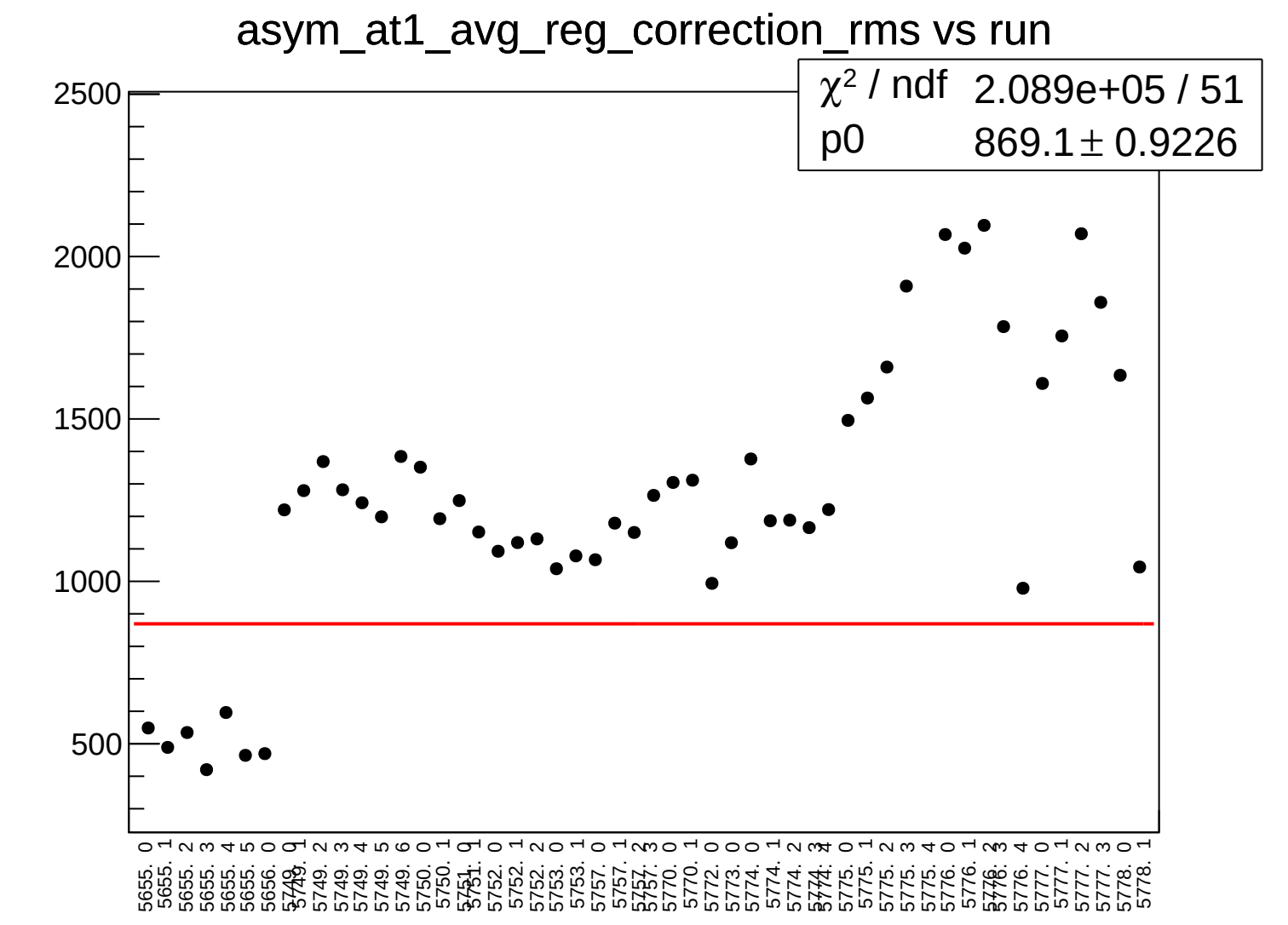

reg_asym_at1_avg_mean vs run
×10^3
χ² / ndf 59.79 / 51
p0 −849.7 ± 2952
pull
Entries 52
Mean 91.59
Std Dev 0


pull1D
Entries 52
Mean −0.01723
Std Dev 1.072


reg_asym_at1_avg_rms vs run
χ^2 / ndf 173.3 / 51
p0 2185 ± 2.087
2300
2280
2260
2240
2220
2200
2180
2160
2140
2120
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_at1_avg_reg_correction_mean vs run
χ² / ndf 50.5 / 51
p0 −234.3 ± 1305
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 8.137
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.03076
Std Dev 0.985
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 2.089e+05 / 51
p0 869.1 ± 0.9226
2500
2000
1500
1000
500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
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5775. 4
5776. 0
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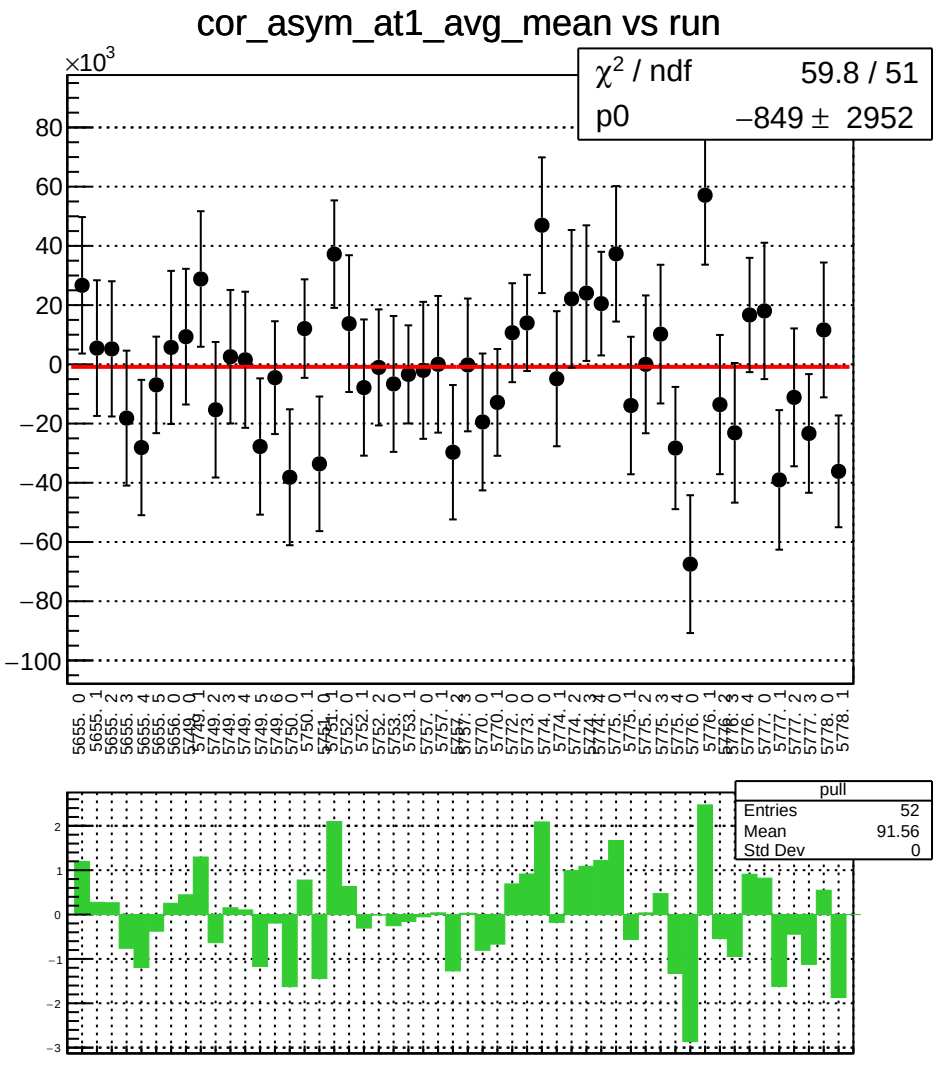
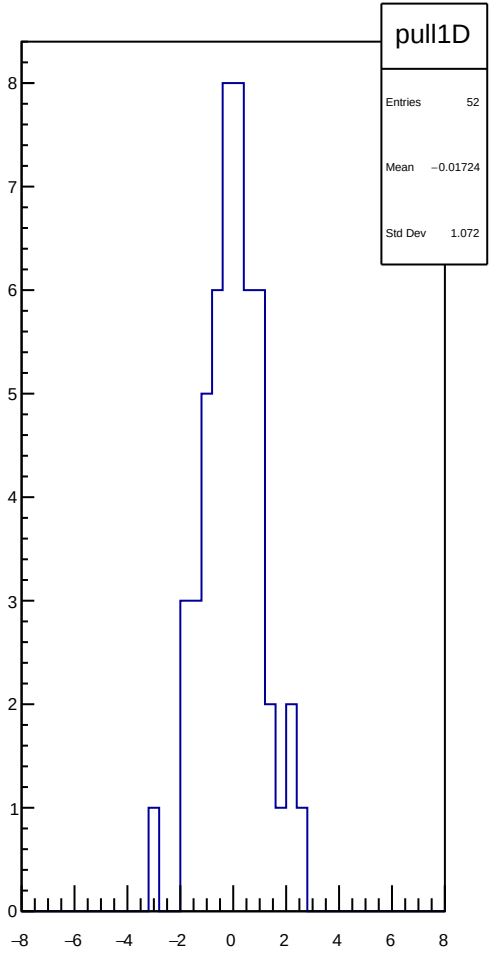
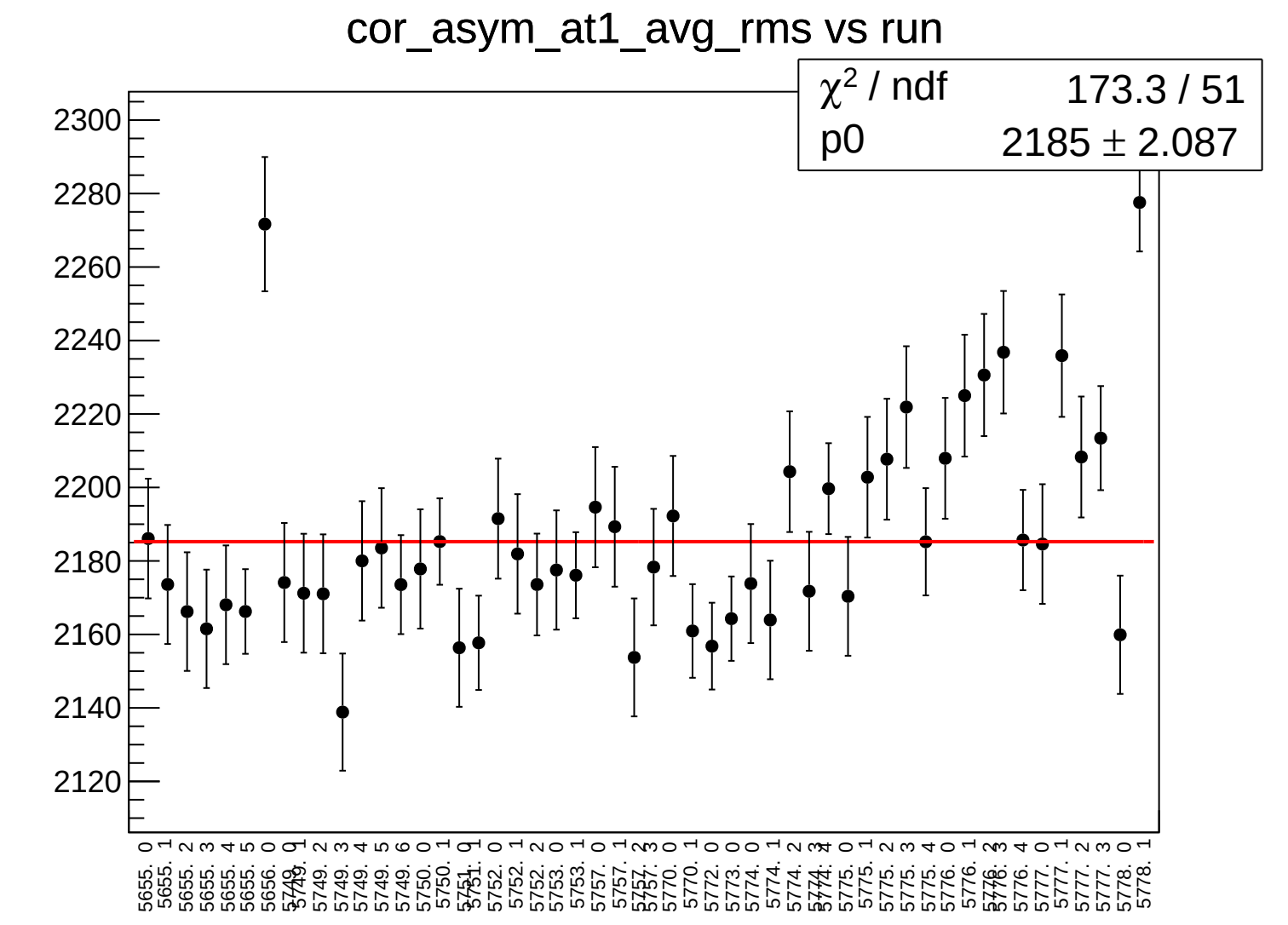
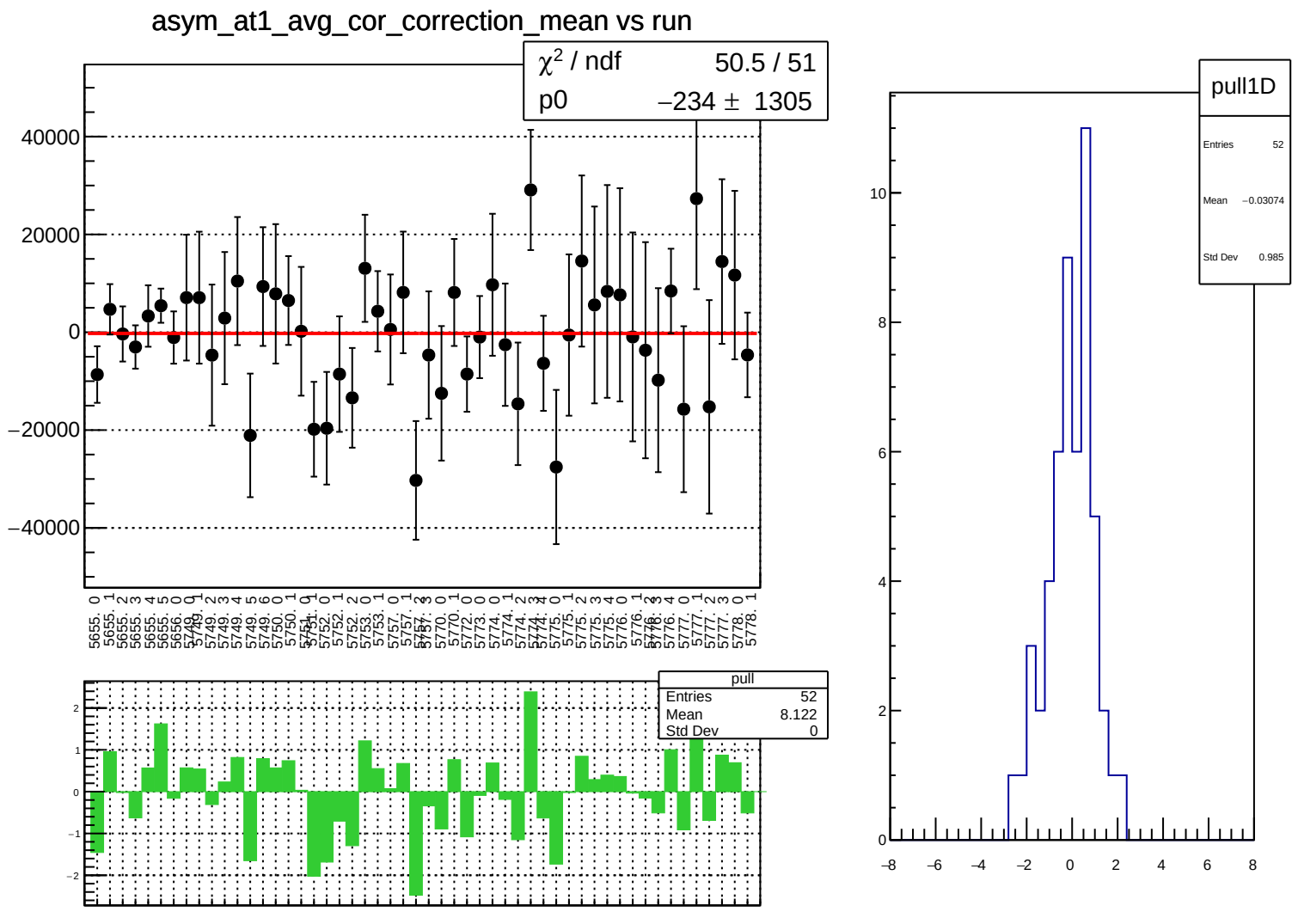
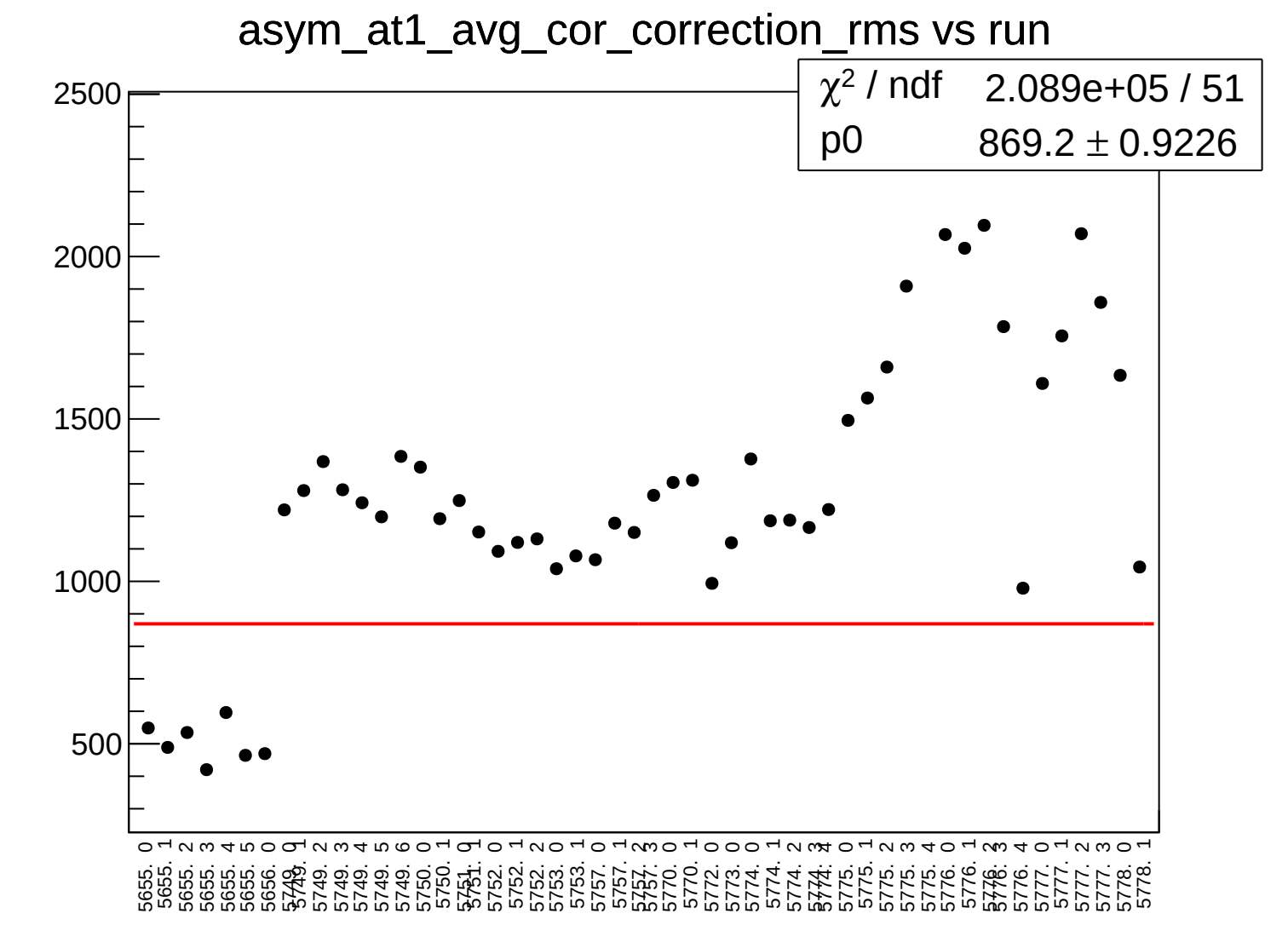
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

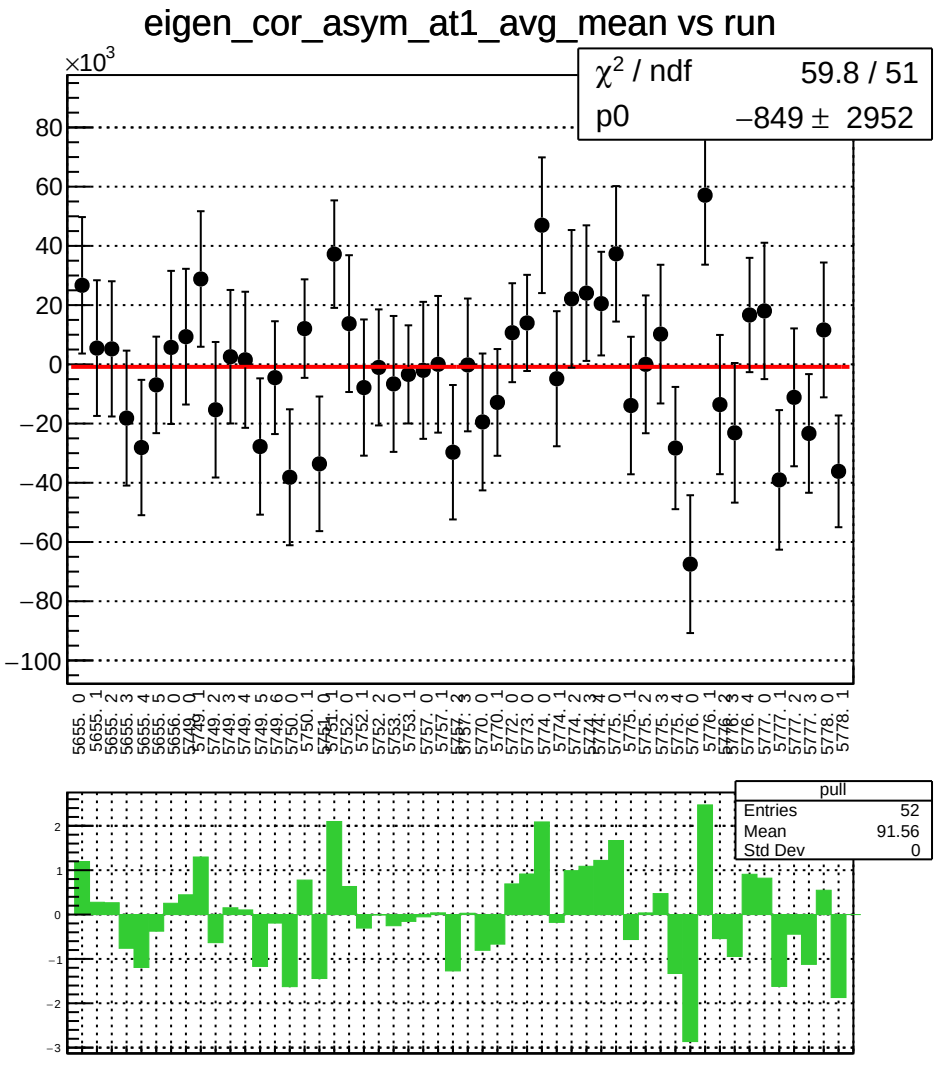

cor_asym_at1_avg_mean vs run
×10^3
χ² / ndf 59.8 / 51
p0 −849 ± 2952
pull
Entries 52
Mean 91.56
Std Dev 0

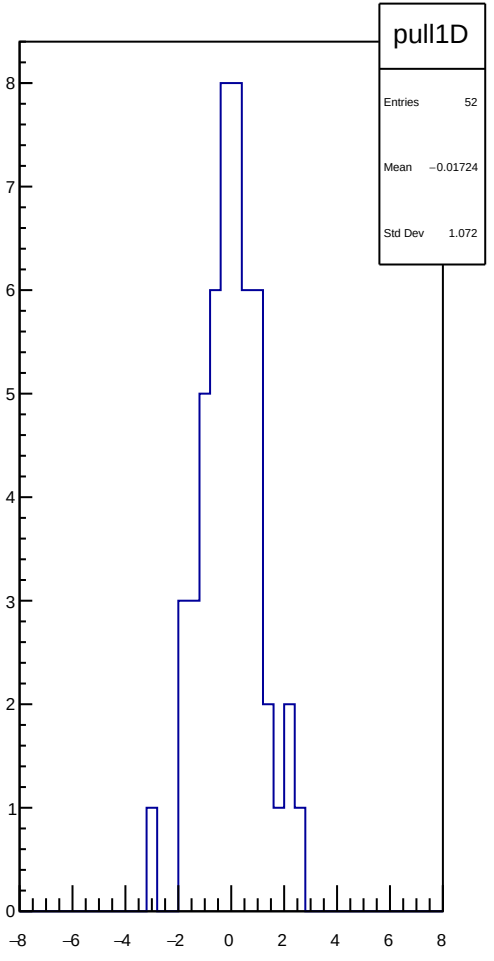

pull1D
Entries 52
Mean −0.01724
Std Dev 1.072

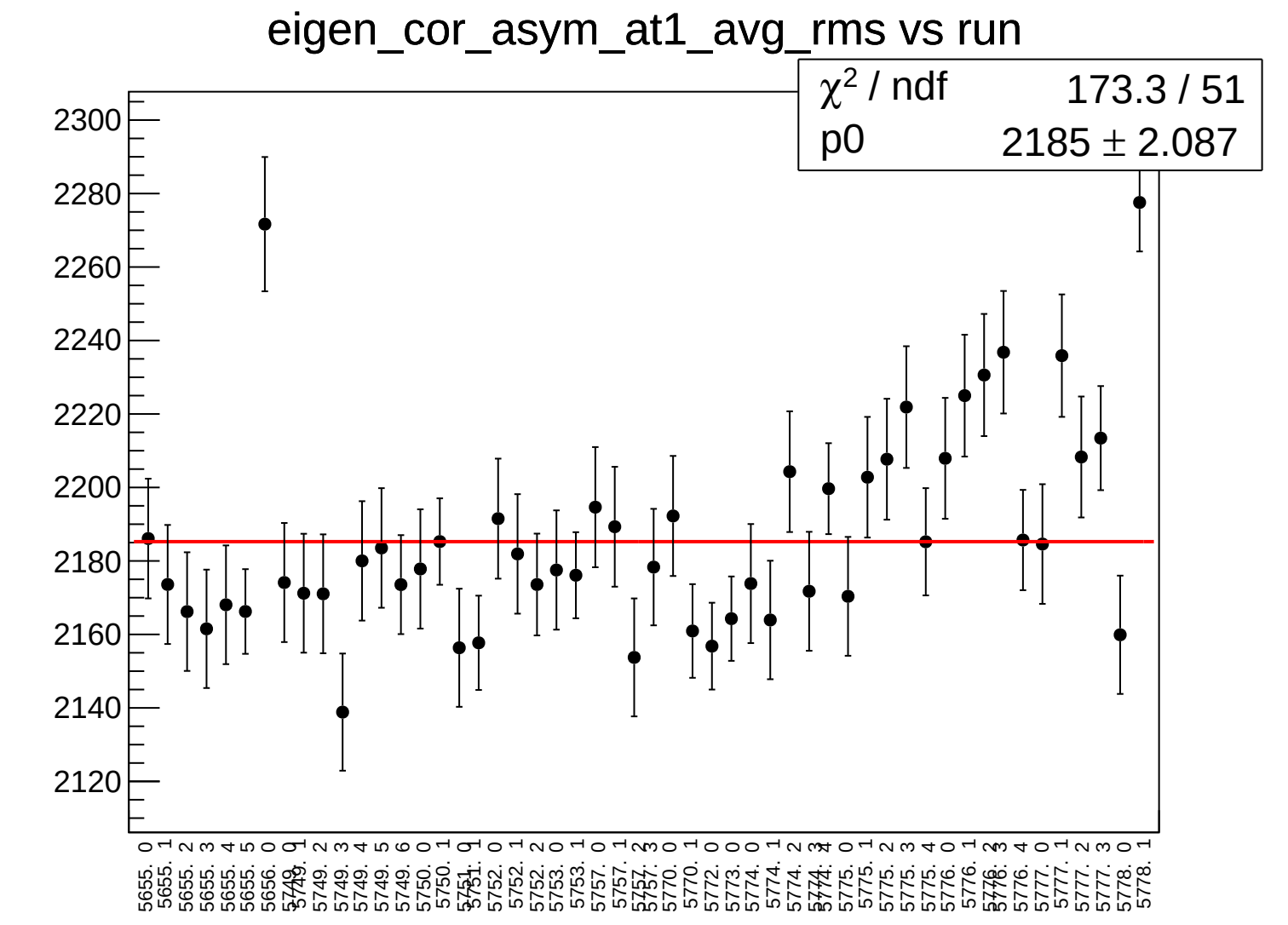

cor_asym_at1_avg_rms vs run
χ^2 / ndf 173.3 / 51
p0 2185 ± 2.087
2300
2280
2260
2240
2220
2200
2180
2160
2140
2120
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

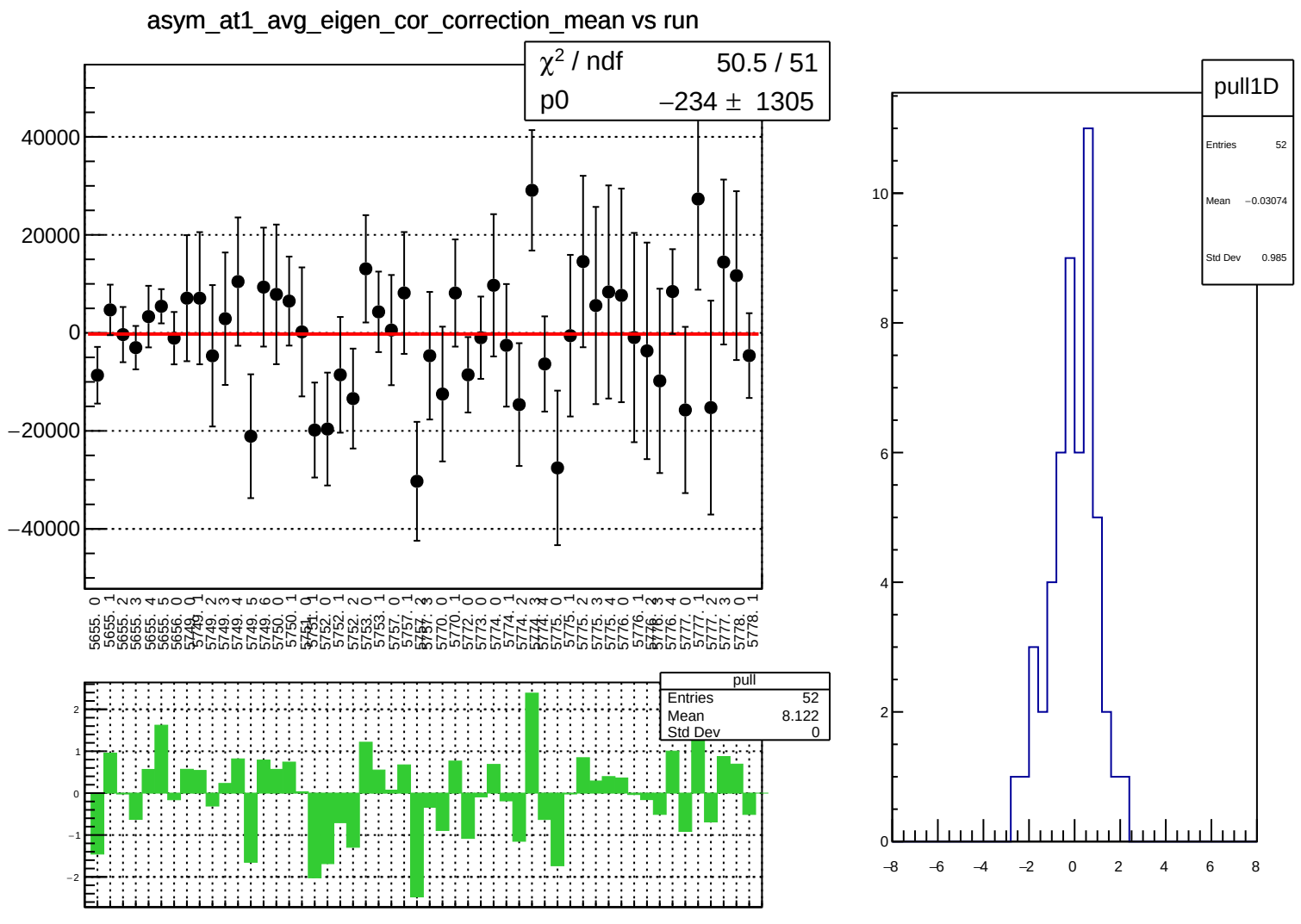

asym_at1_avg_cor_correction_mean vs run
χ² / ndf 50.5 / 51
p0 −234 ± 1305
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 8.122
Std Dev 0
pull1D
Entries 52
Mean −0.03074
Std Dev 0.985

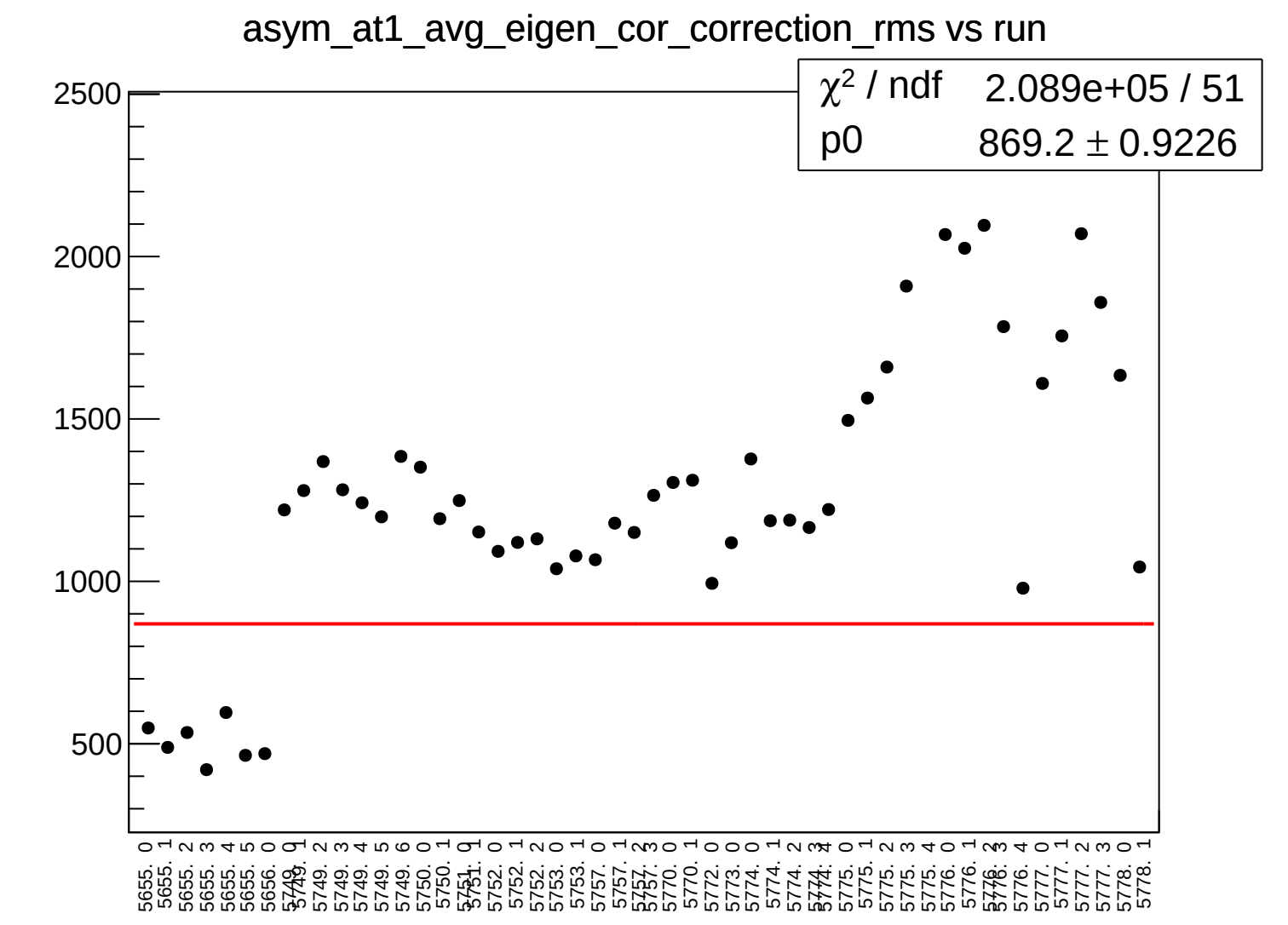

asym_at1_avg_cor_correction_rms vs run
χ² / ndf 2.089e+05 / 51
p0 869.2 ± 0.9226
2500
2000
1500
1000
500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

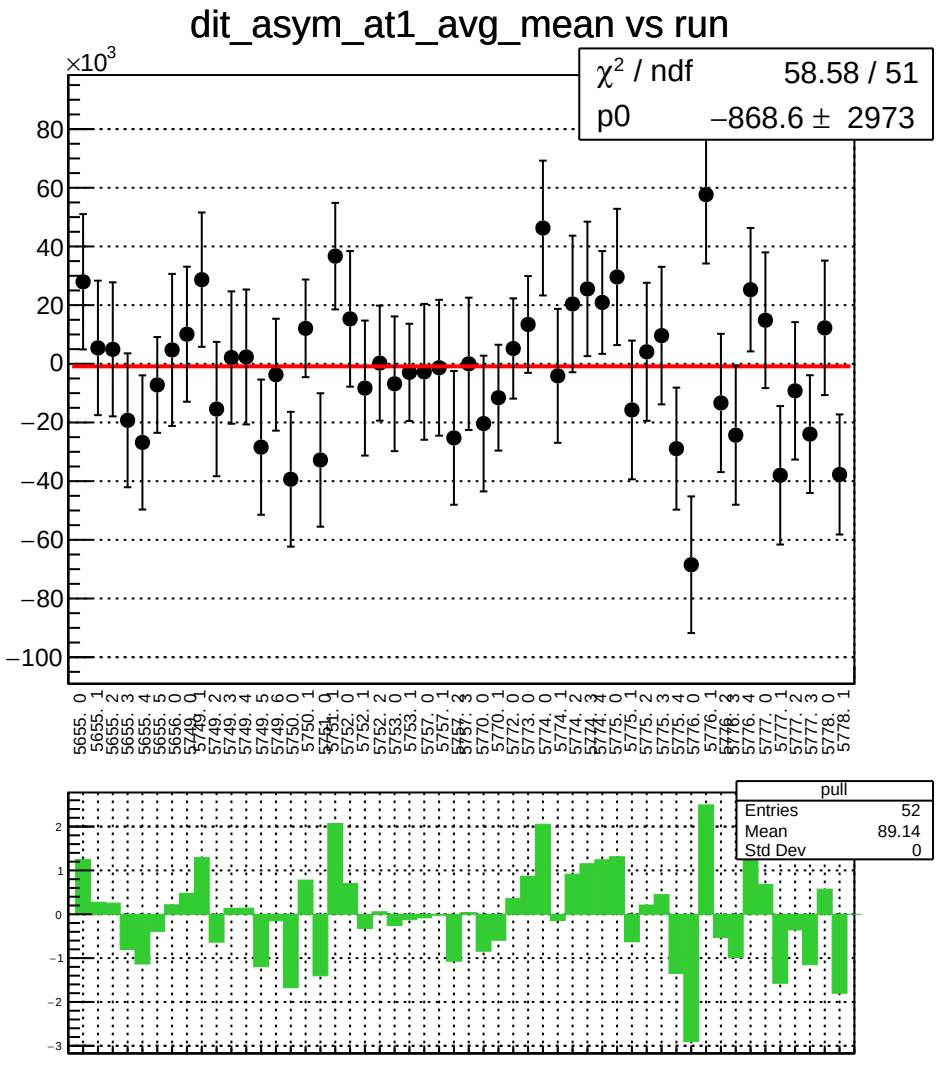

eigen_cor_asym_at1_avg_mean vs run
×10^3
χ² / ndf 59.8 / 51
p0 −849 ± 2952
pull
Entries 52
Mean 91.56
Std Dev 0

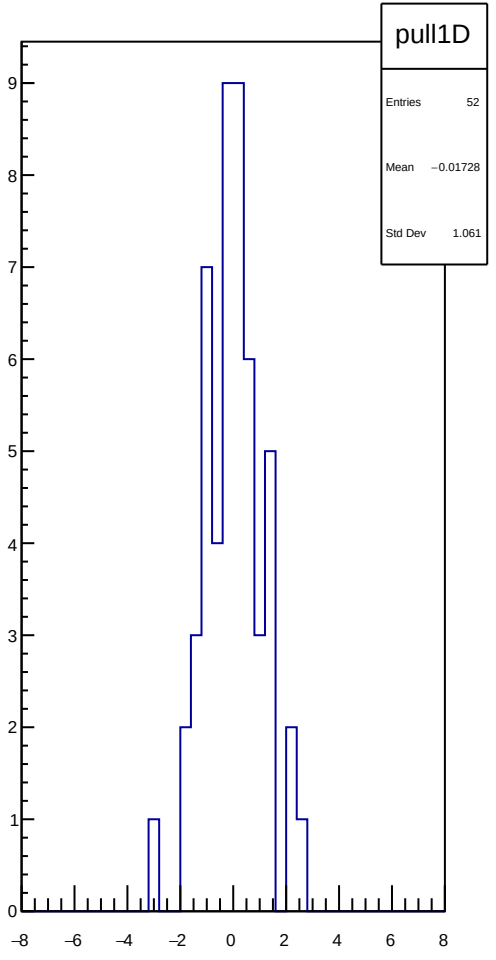

pull1D
Entries 52
Mean −0.01724
Std Dev 1.072

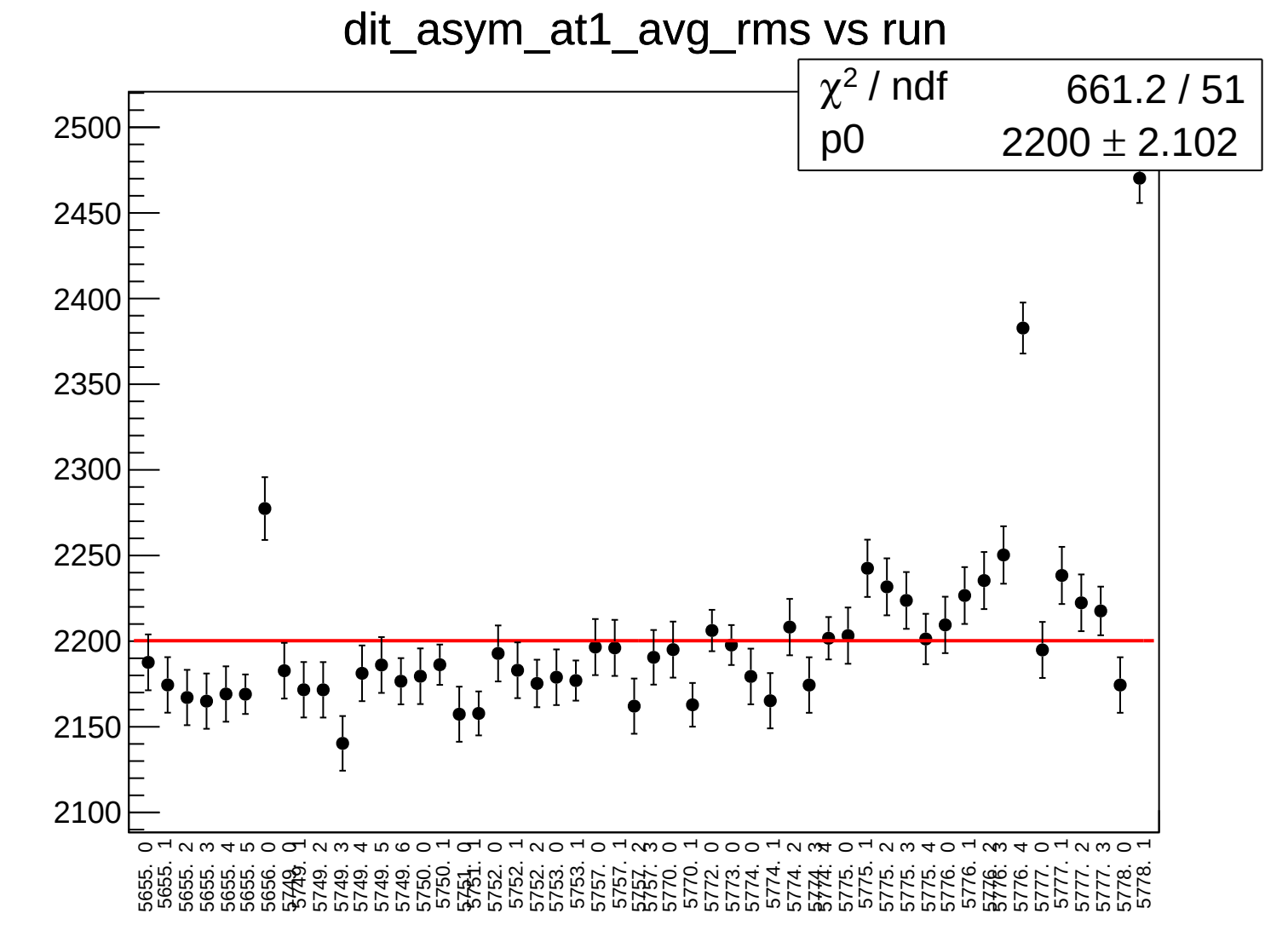

eigen_cor_asym_at1_avg_rms vs run
χ² / ndf 173.3 / 51
p0 2185 ± 2.087
2300
2280
2260
2240
2220
2200
2180
2160
2140
2120
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

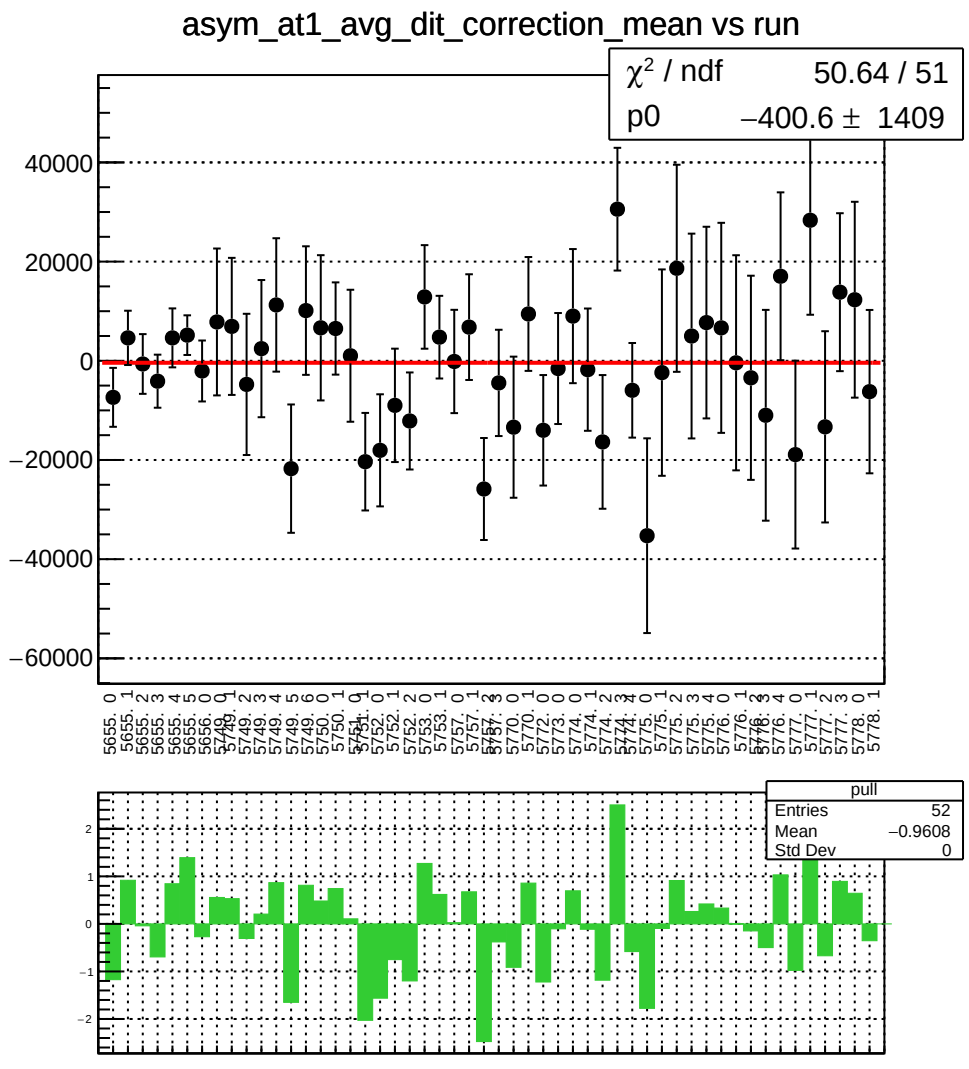

asym_at1_avg_eigen_cor_correction_mean vs run
χ² / ndf 50.5 / 51
p0 −234 ± 1305
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 8.122
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 52
Mean −0.03074
Std Dev 0.985
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

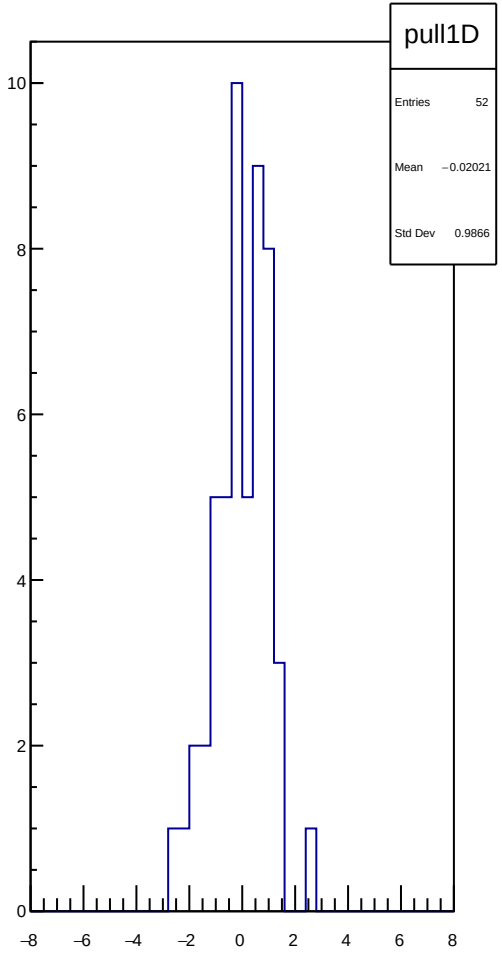

asym_at1_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.089e+05 / 51
p0 869.2 ± 0.9226
2500
2000
1500
1000
500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

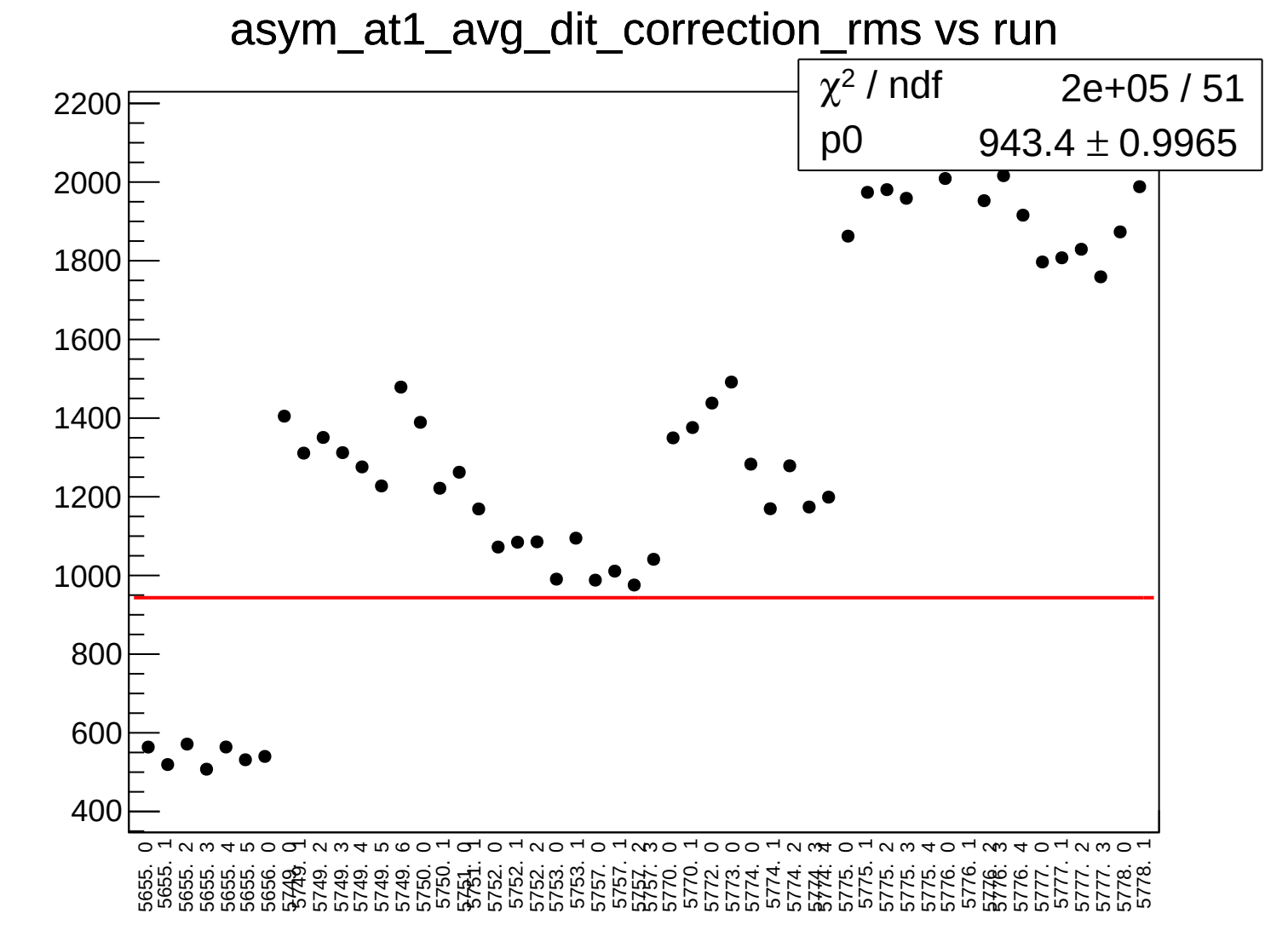

dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 58.58 / 51
p0 −868.6 ± 2973
pull
Entries 52
Mean 89.14
Std Dev 0

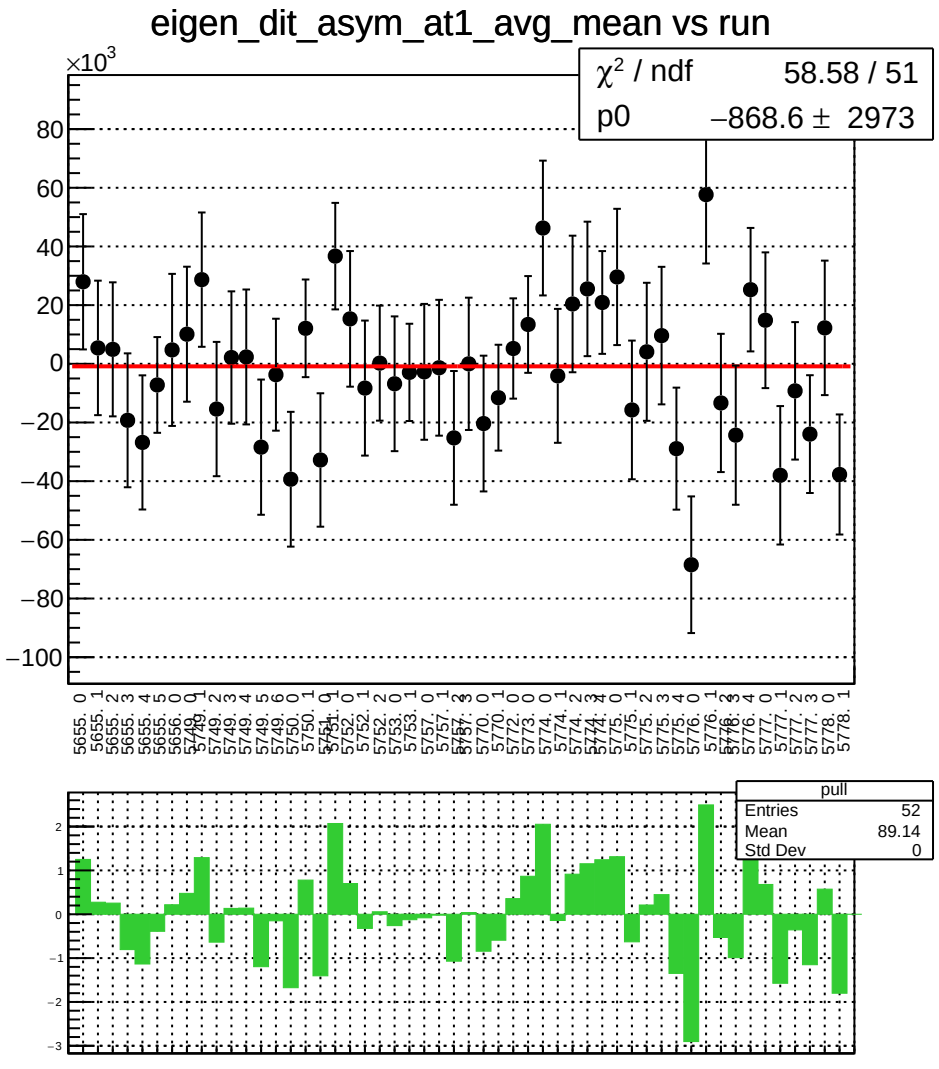

pull1D
Entries 52
Mean −0.01728
Std Dev 1.061

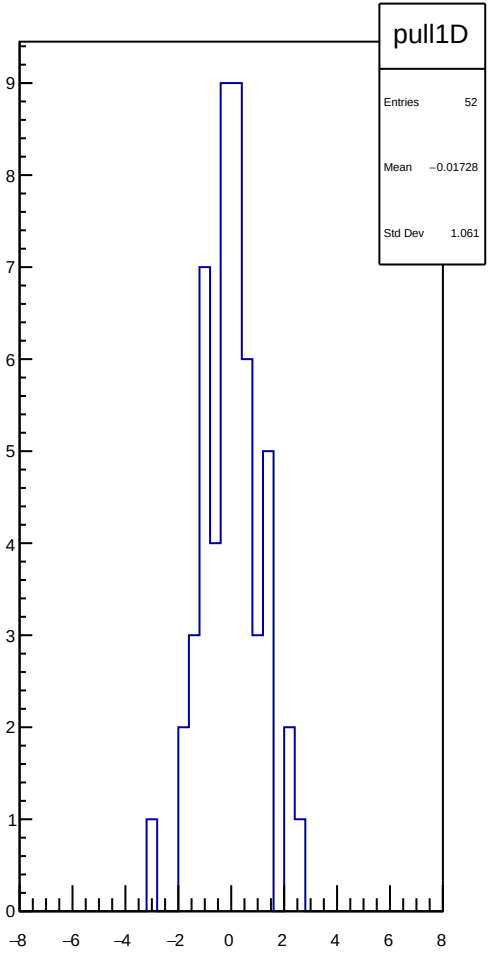

dit_asym_at1_avg_rms vs run
χ² / ndf 661.2 / 51
p0 2200 ± 2.102
2500
2450
2400
2350
2300
2250
2200
2150
2100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

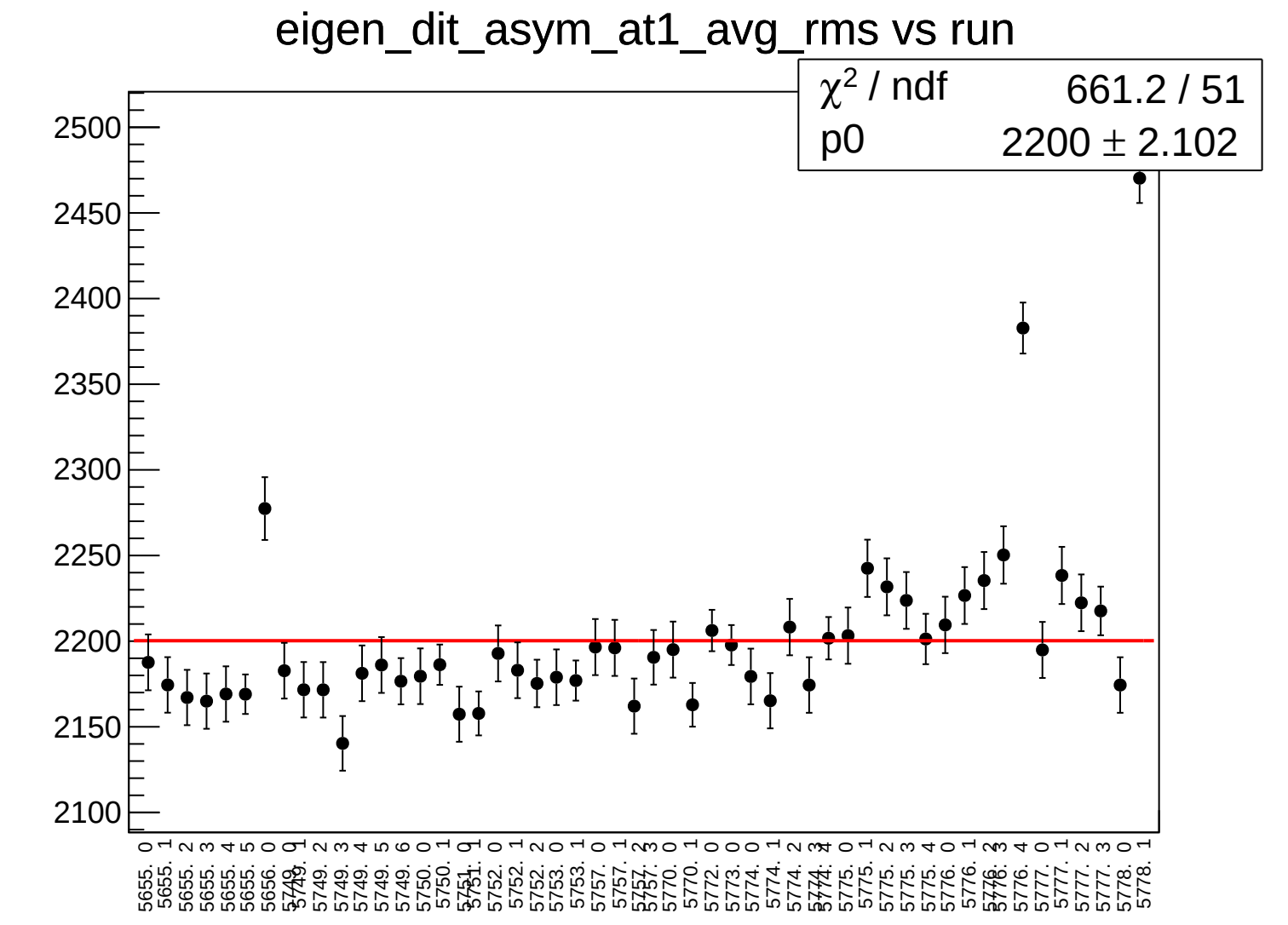

asym_at1_avg_dit_correction_mean vs run
χ² / ndf 50.64 / 51
p0 −400.6 ± 1409
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −0.9608
Std Dev 0
2
1
0
−1
−2

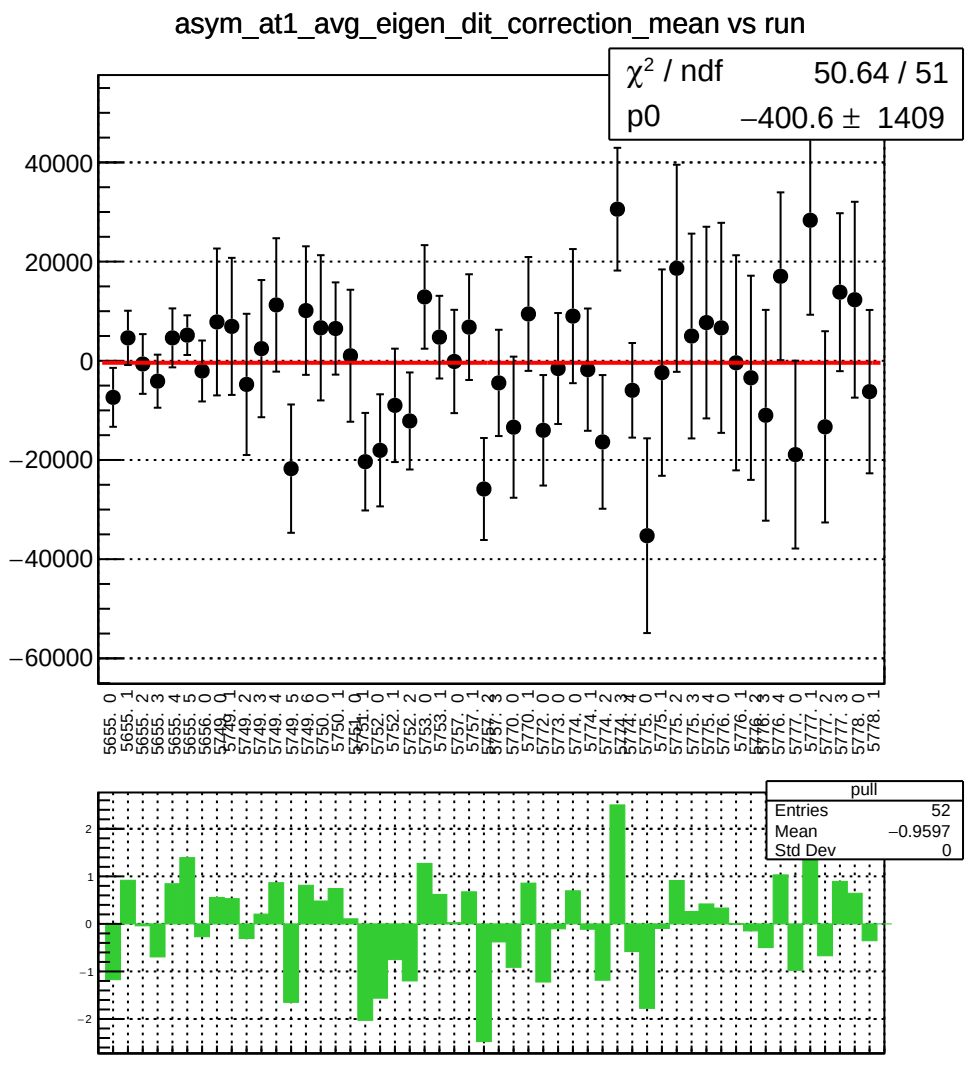

pull1D
Entries 52
Mean −0.02021
Std Dev 0.9866
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

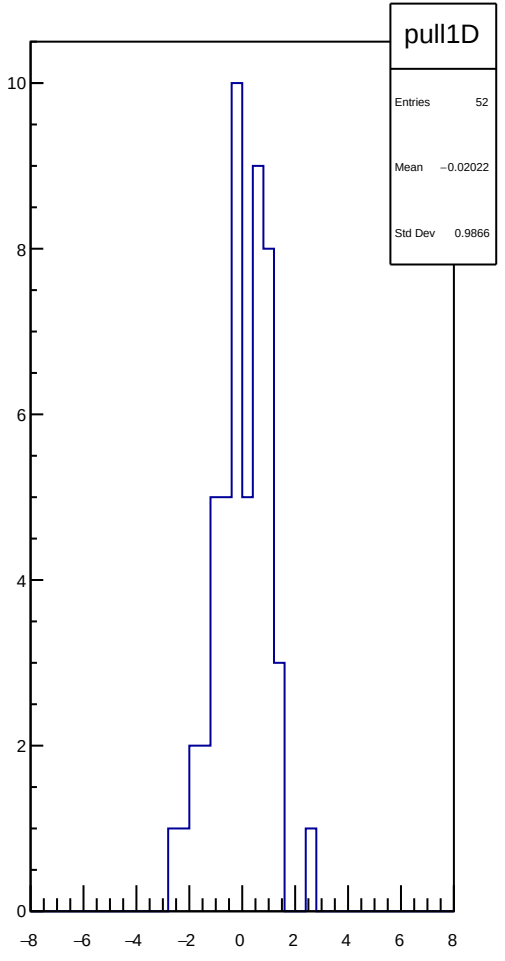

asym_at1_avg_dit_correction_rms vs run
χ² / ndf 2e+05 / 51
p0 943.4 ± 0.9965
2200
2000
1800
1600
1400
1200
1000
800
600
400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

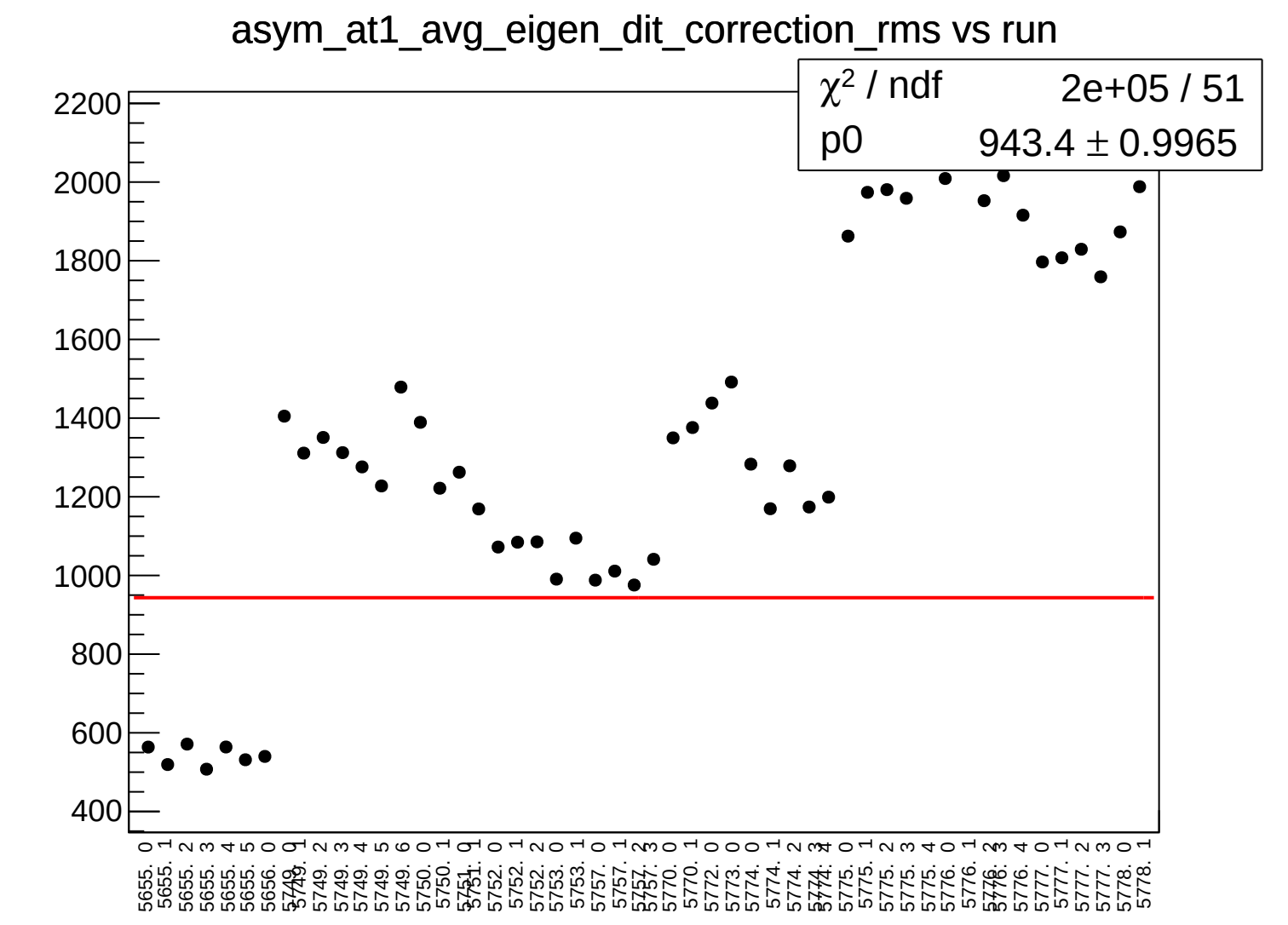

eigen_dit_asym_at1_avg_mean vs run
χ² / ndf 58.58 / 51
p0 −868.6 ± 2973
×10³
pull
Entries 52
Mean 89.14
Std Dev 0


pull1D
Entries 52
Mean −0.01728
Std Dev 1.061


eigen_dit_asym_at1_avg_rms vs run
χ² / ndf 661.2 / 51
p0 2200 ± 2.102
2500
2450
2400
2350
2300
2250
2200
2150
2100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_at1_avg_eigen_dit_correction_mean vs run
χ² / ndf 50.64 / 51
p0 −400.6 ± 1409
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −0.9597
Std Dev 0


pull1D
Entries 52
Mean −0.02022
Std Dev 0.9866
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_avg_eigen_dit_correction_rms vs run
χ² / ndf 2e+05 / 51
p0 943.4 ± 0.9965
2200
2000
1800
1600
1400
1200
1000
800
600
400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
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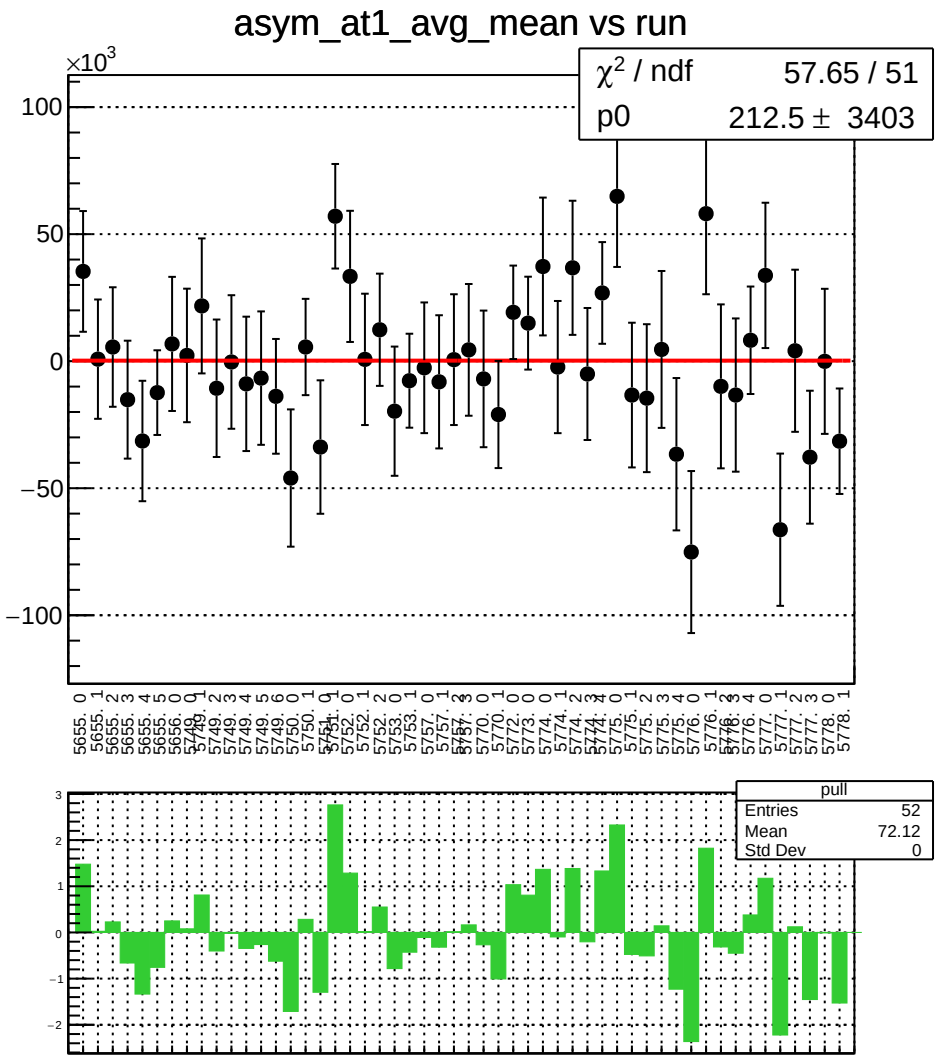
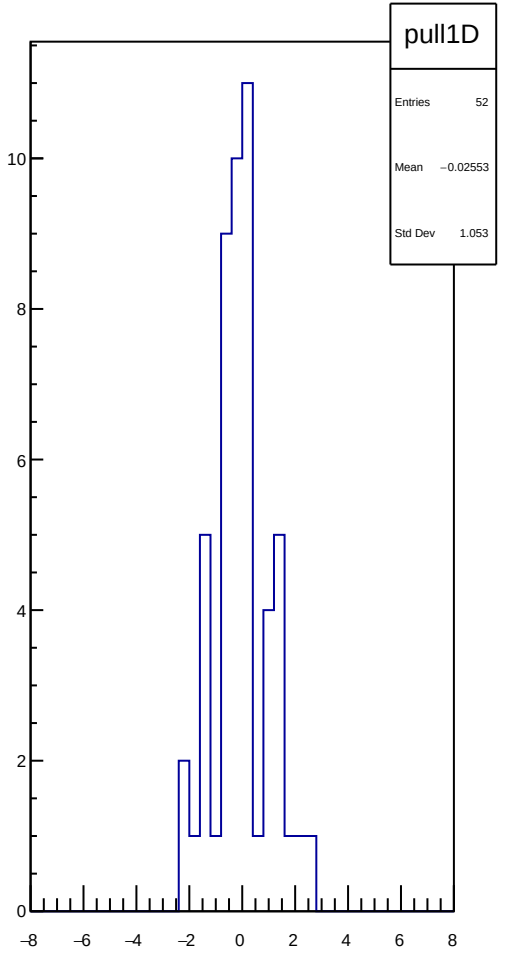
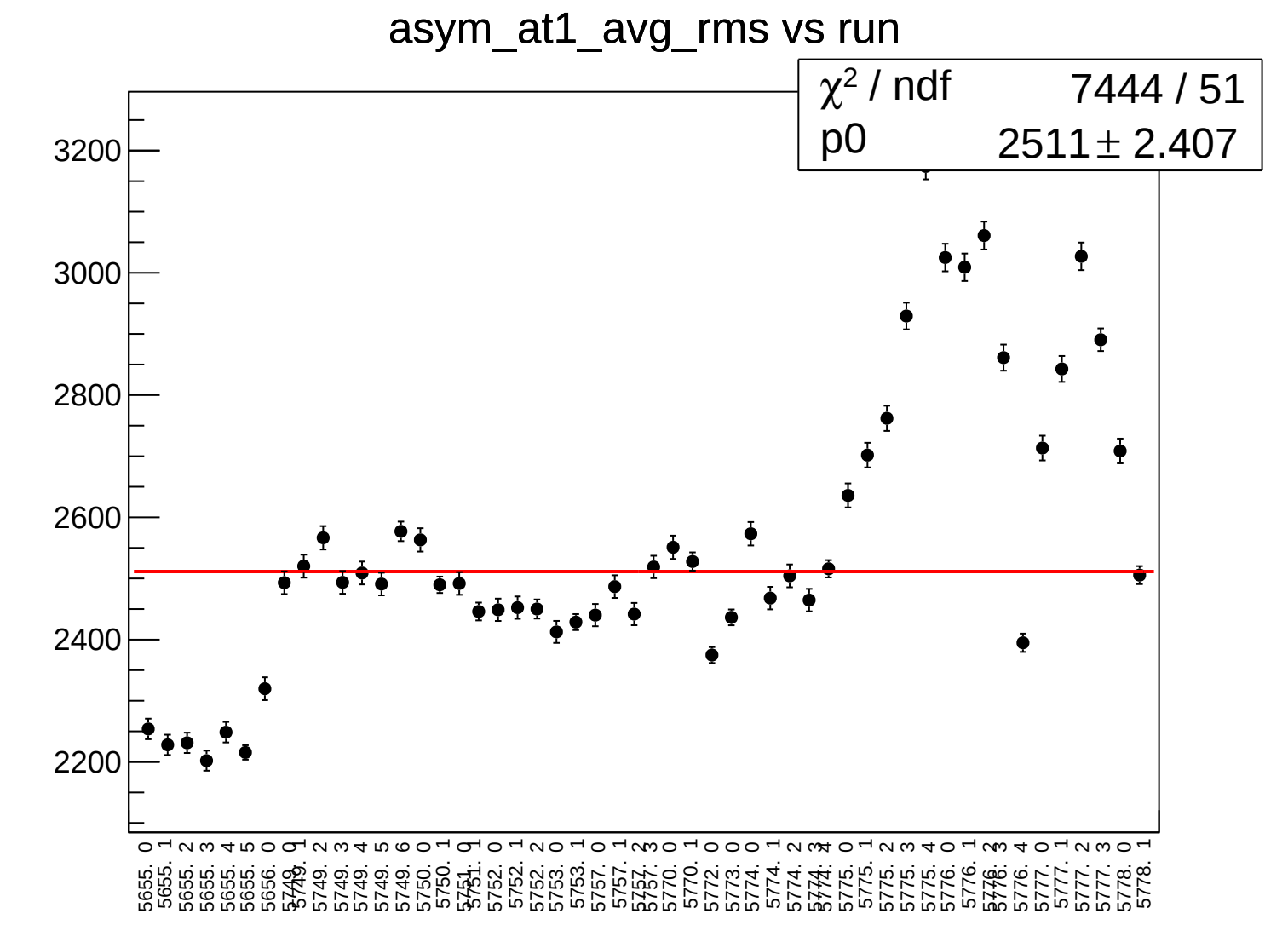
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 57.65 / 51
p0 212.5 ± 3403
100
50
0
−50
−100
pull
Entries 52
Mean 72.12
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.02553
Std Dev 1.053
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_avg_rms vs run
χ^2 / ndf 7444 / 51
p0 2511 ± 2.407
3200
3000
2800
2600
2400
2200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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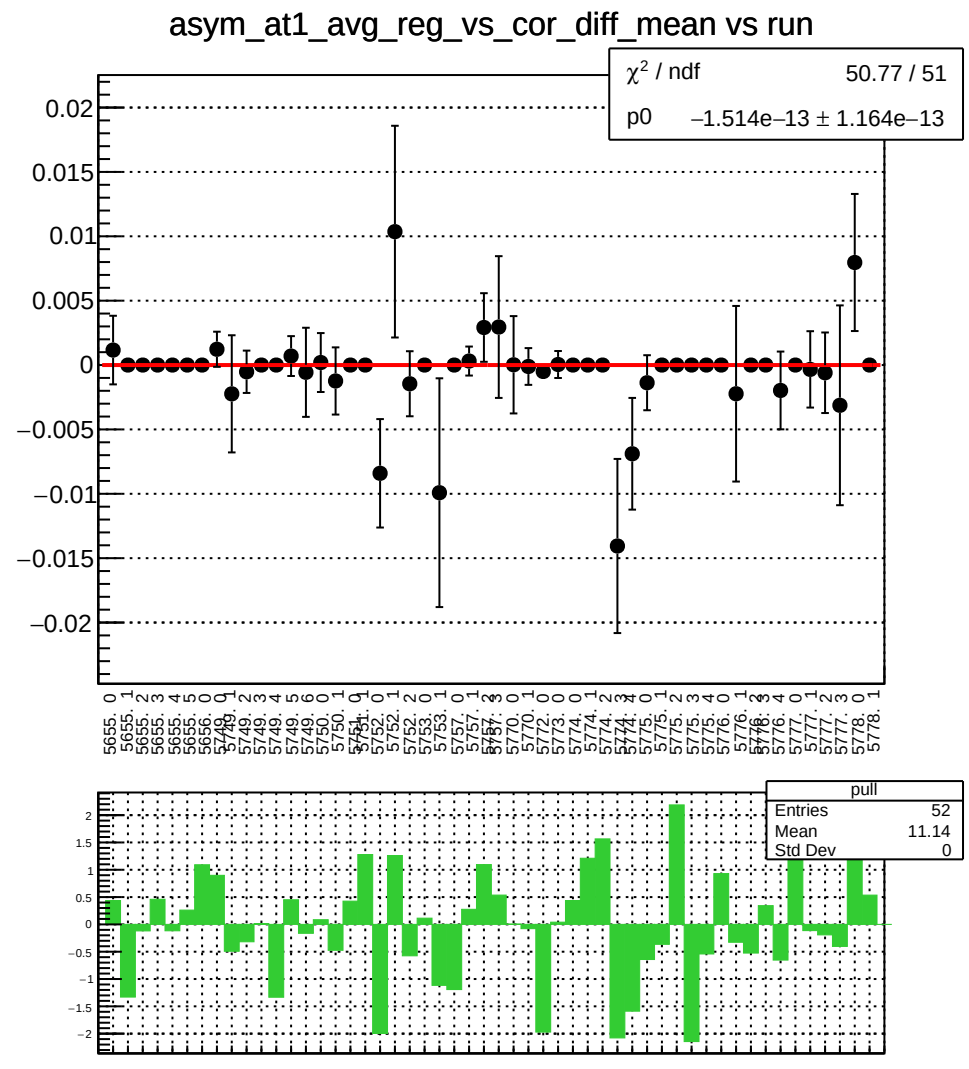
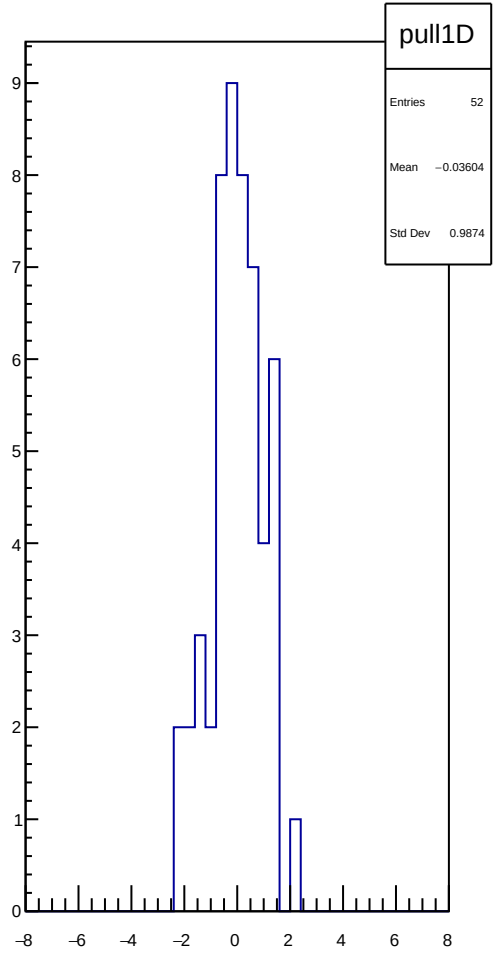
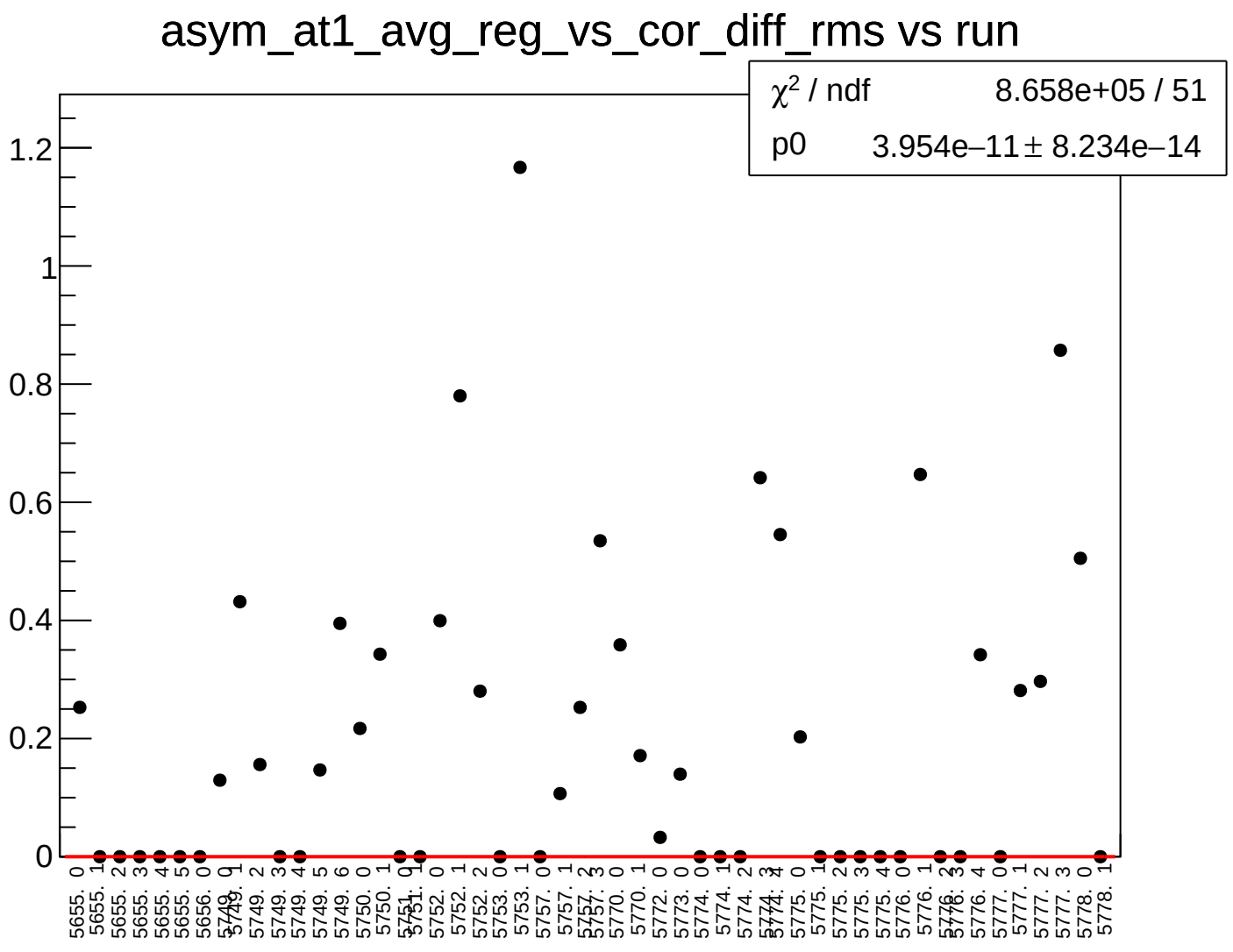
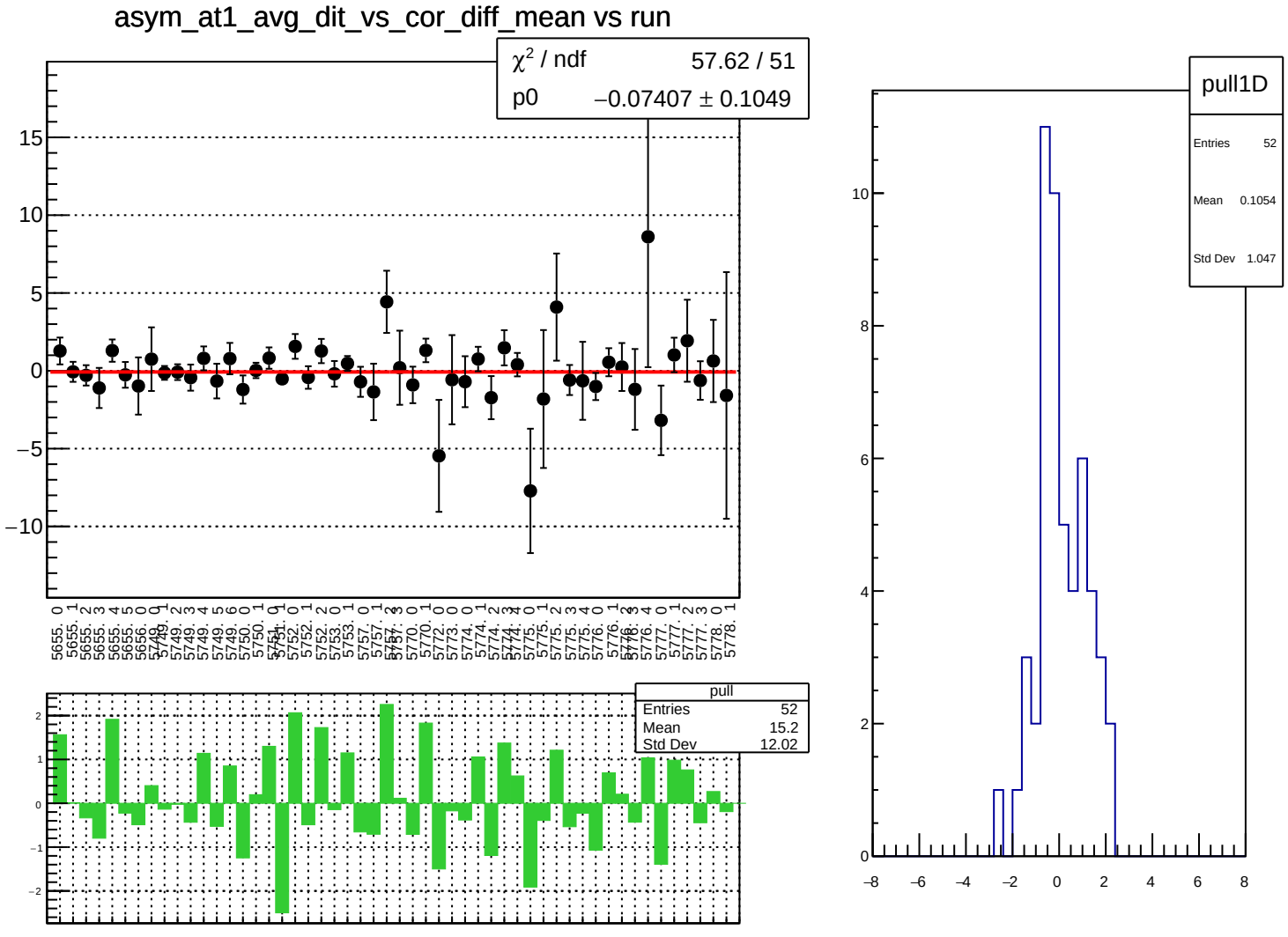
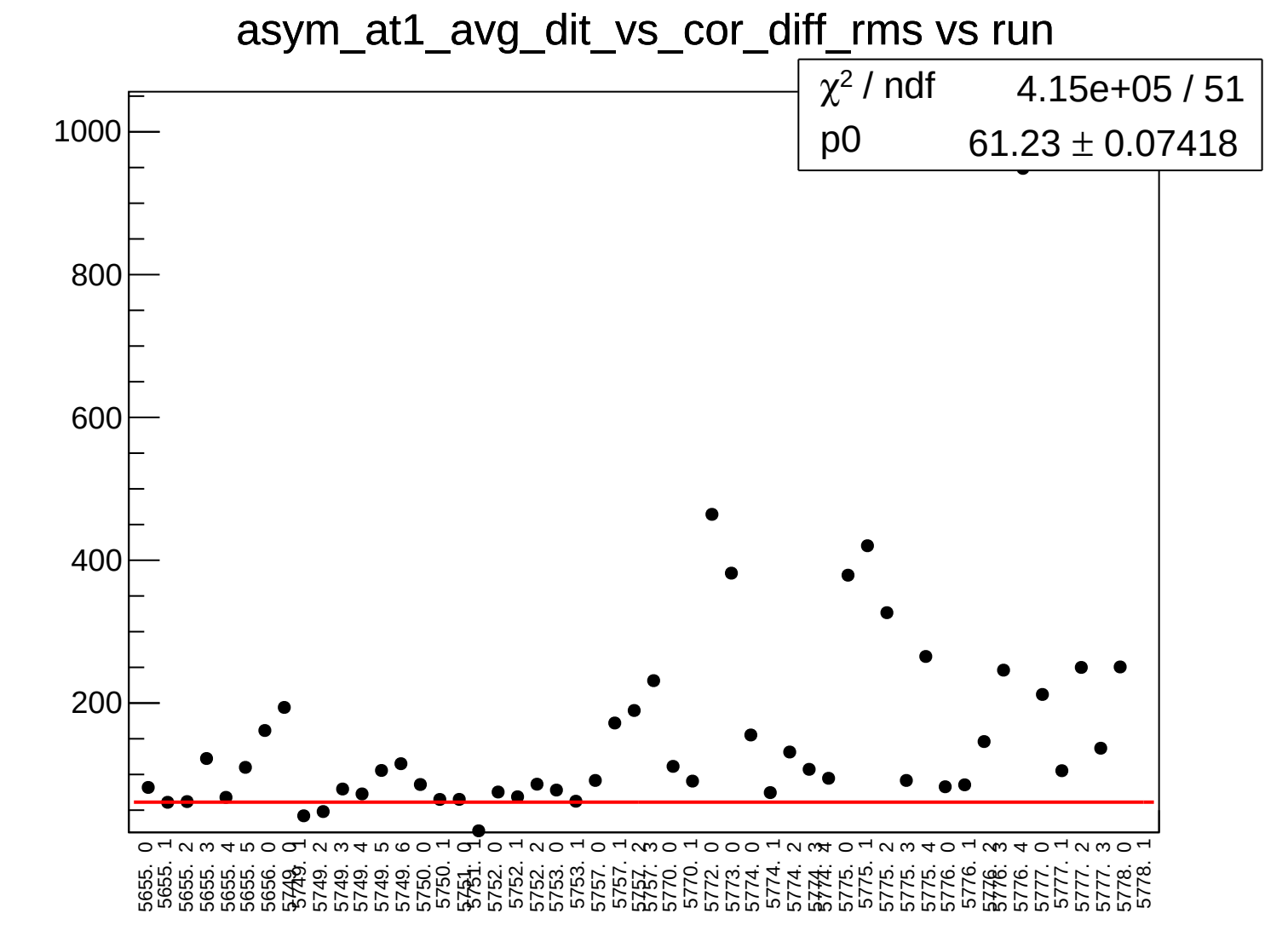
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

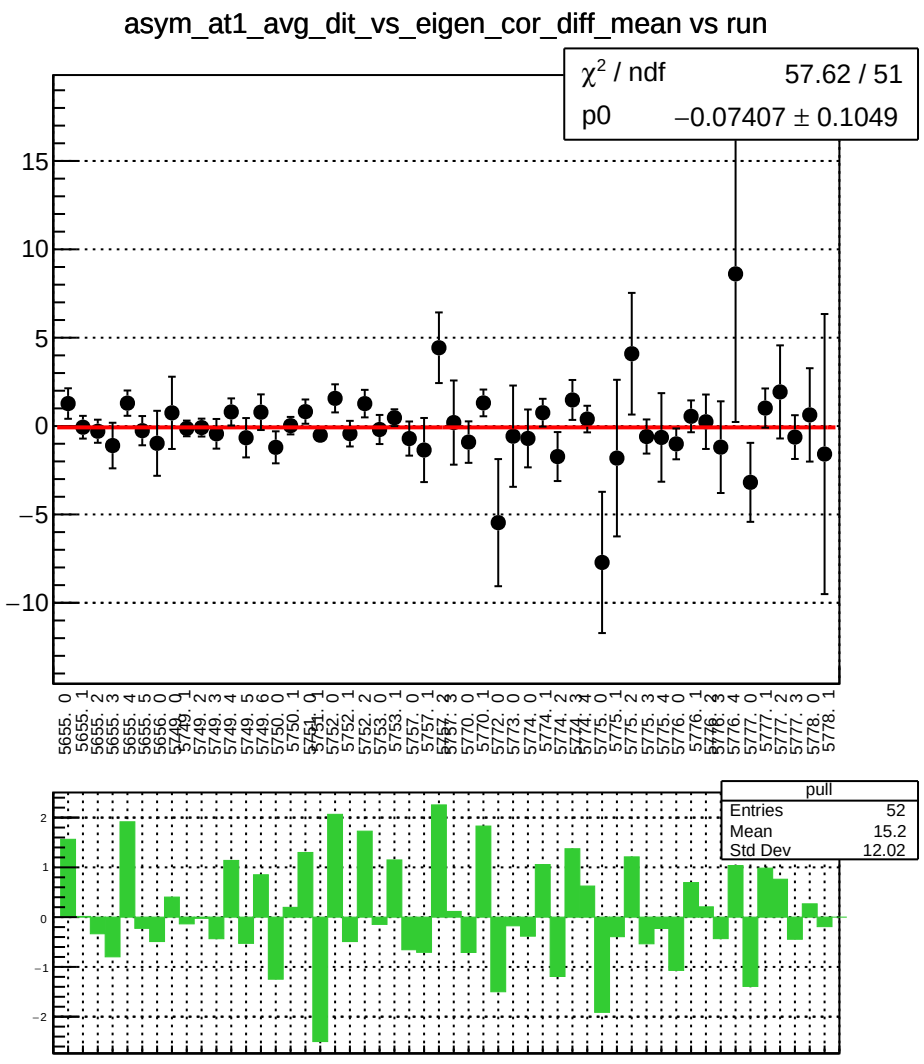

asym_at1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 50.77 / 51
p0 −1.514e−13 ± 1.164e−13
pull
Entries 52
Mean 11.14
Std Dev 0

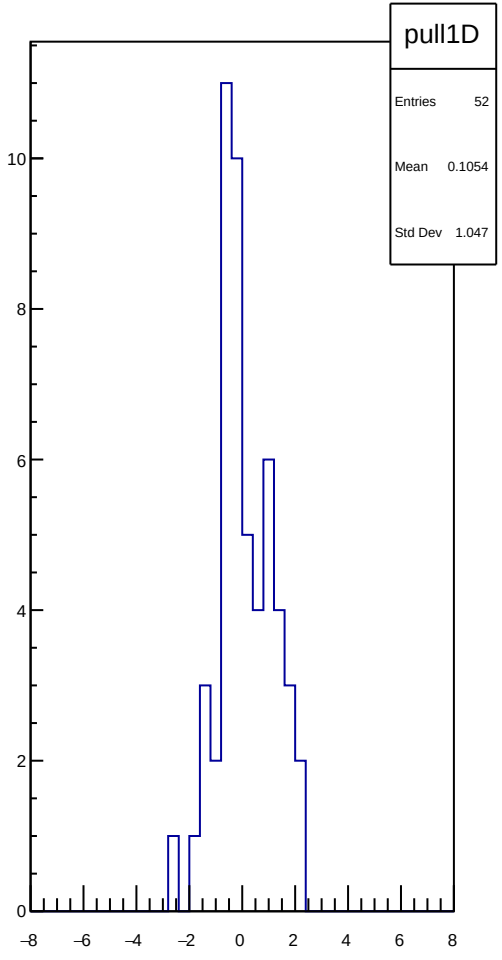

pull1D
Entries 52
Mean −0.03604
Std Dev 0.9874

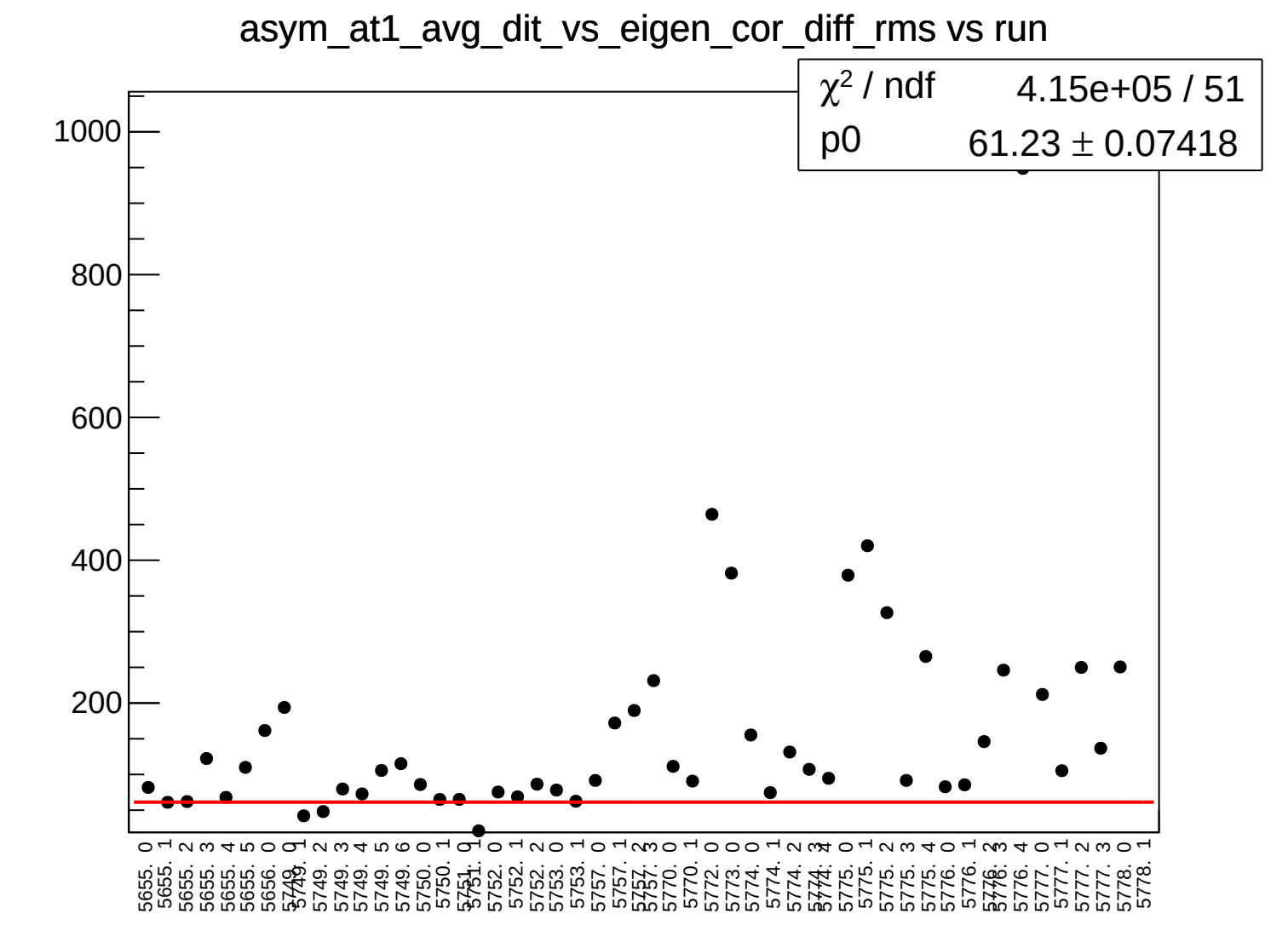

asym_at1_avg_reg_vs_cor_diff_rms vs run
χ^2 / ndf 8.658e+05 / 51
p0 3.954e−11 ± 8.234e−14
1.2
1
0.8
0.6
0.4
0.2
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

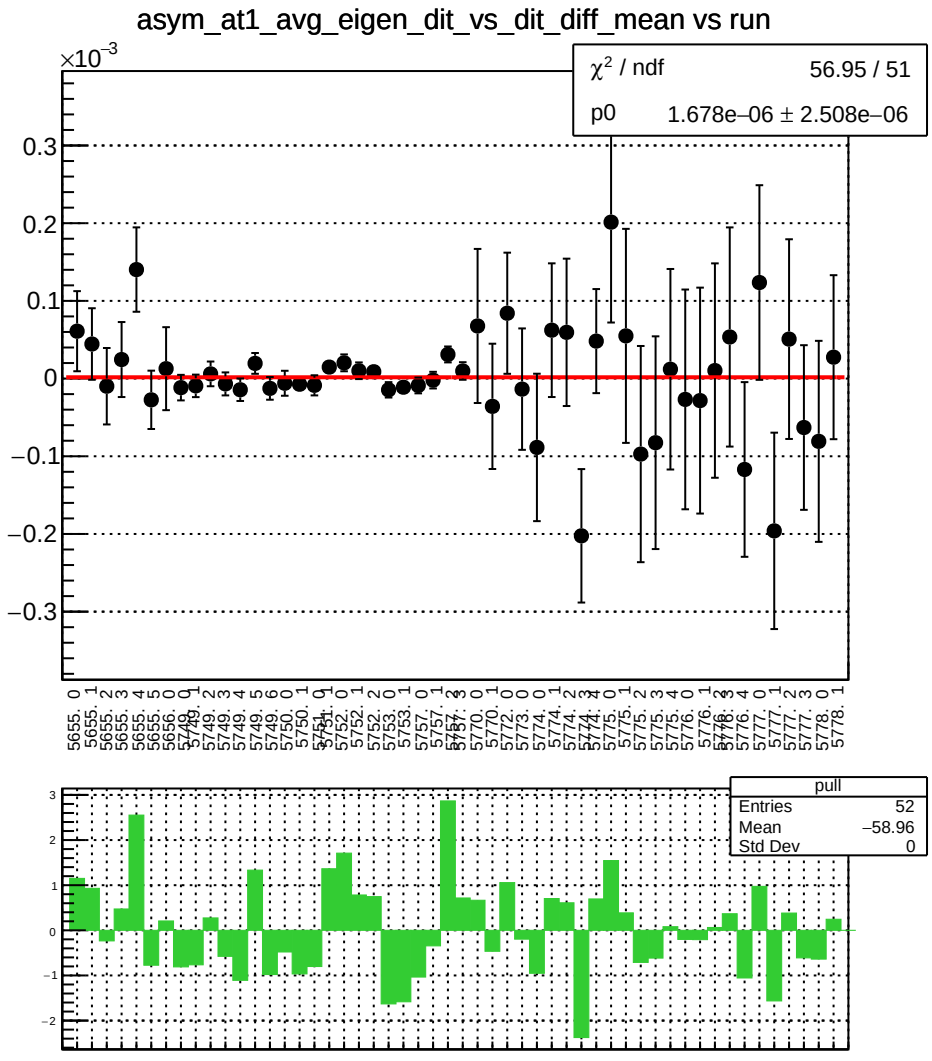

asym_at1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 57.62 / 51
p0 −0.07407 ± 0.1049
pull
Entries 52
Mean 15.2
Std Dev 12.02
pull1D
Entries 52
Mean 0.1054
Std Dev 1.047

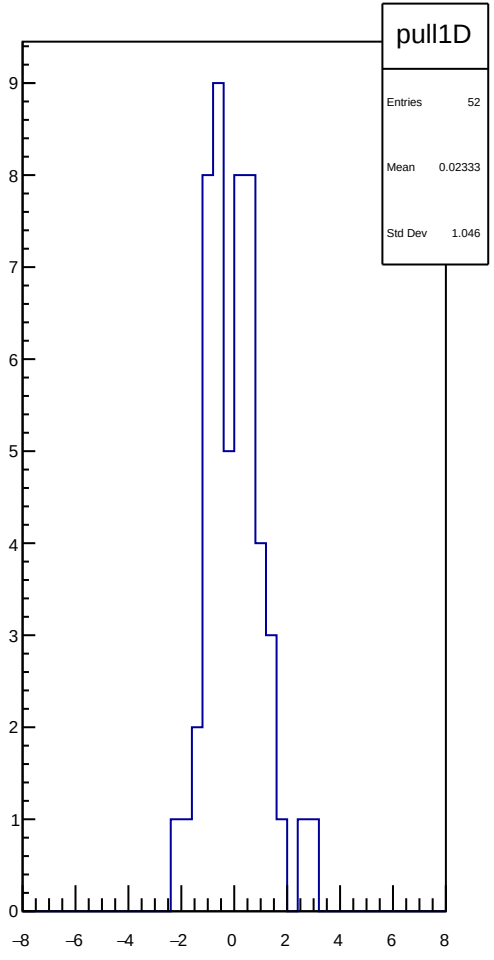

asym_at1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.15e+05 / 51
p0 61.23 ± 0.07418
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

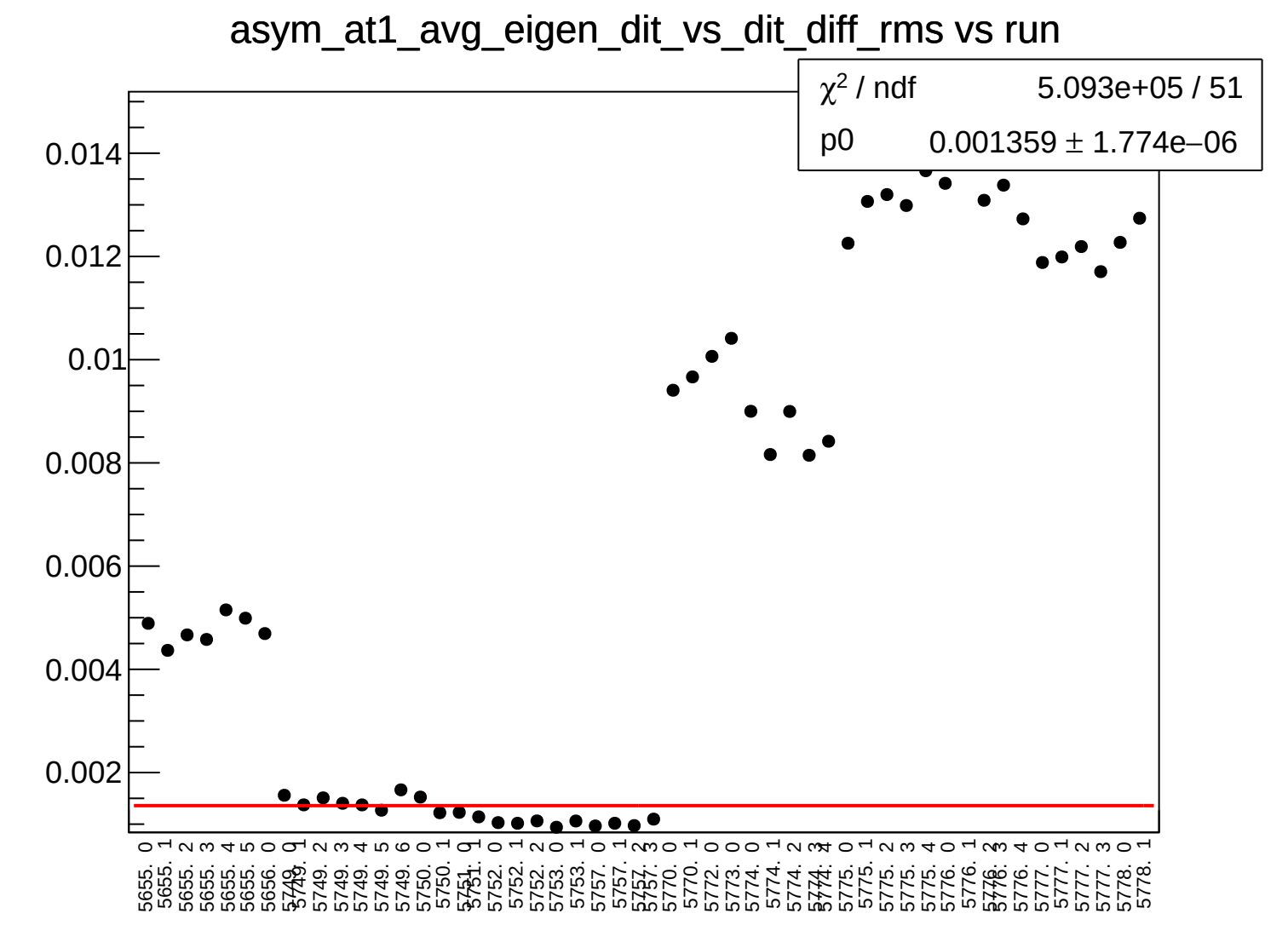

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.62 / 51
p0 −0.07407 ± 0.1049
pull
Entries 52
Mean 15.2
Std Dev 12.02

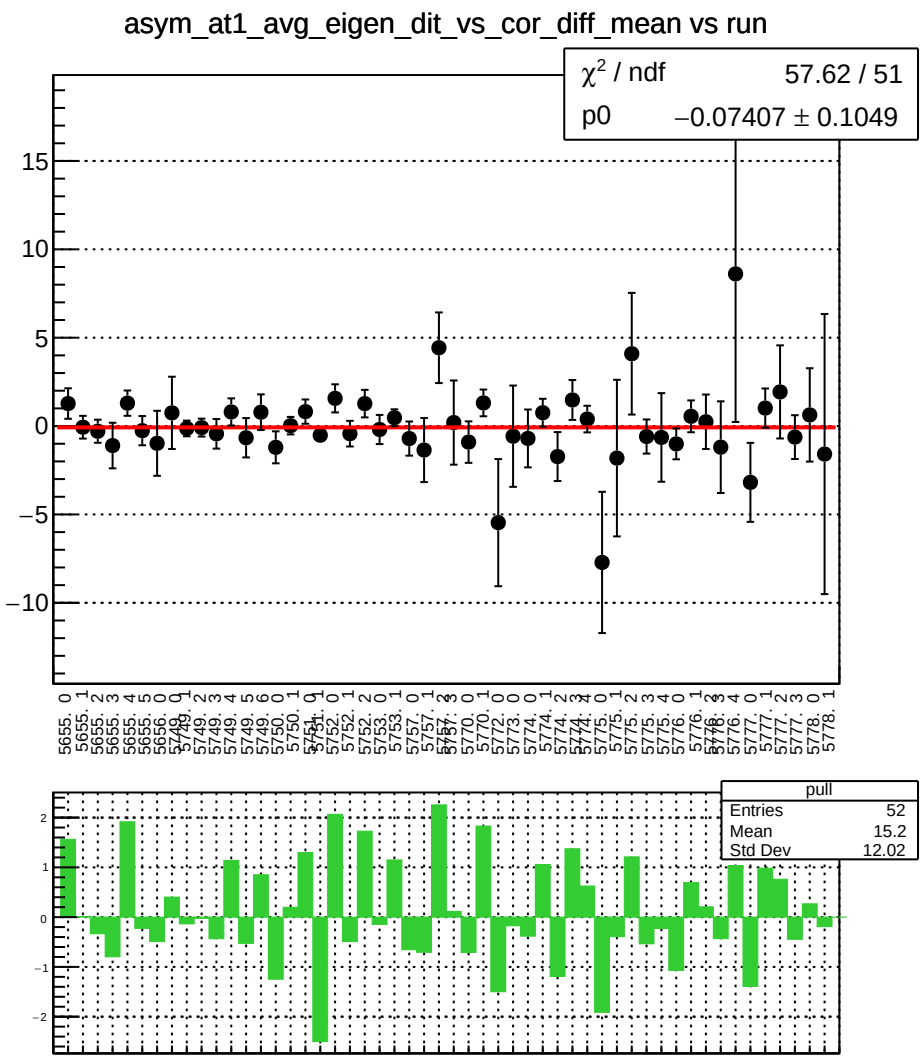

pull1D
Entries 52
Mean 0.1054
Std Dev 1.047

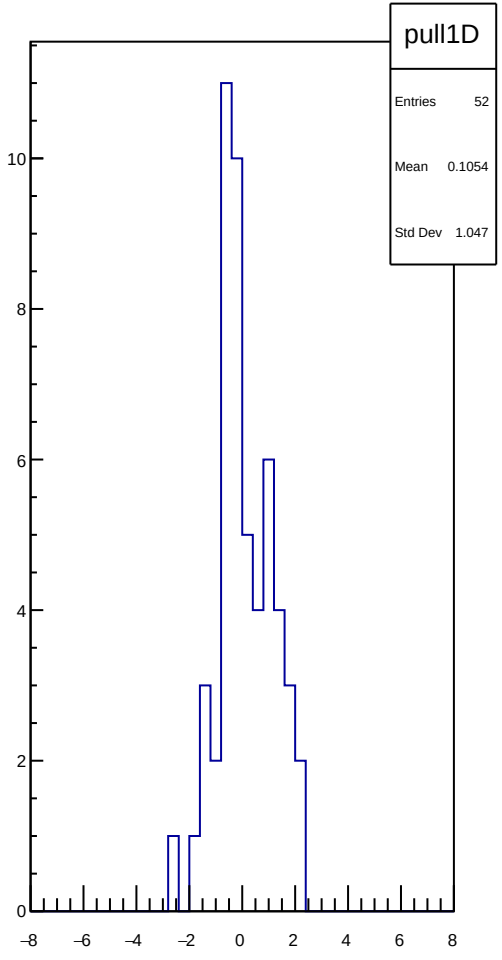

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 4.15e+05 / 51
p0 61.23 ± 0.07418
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

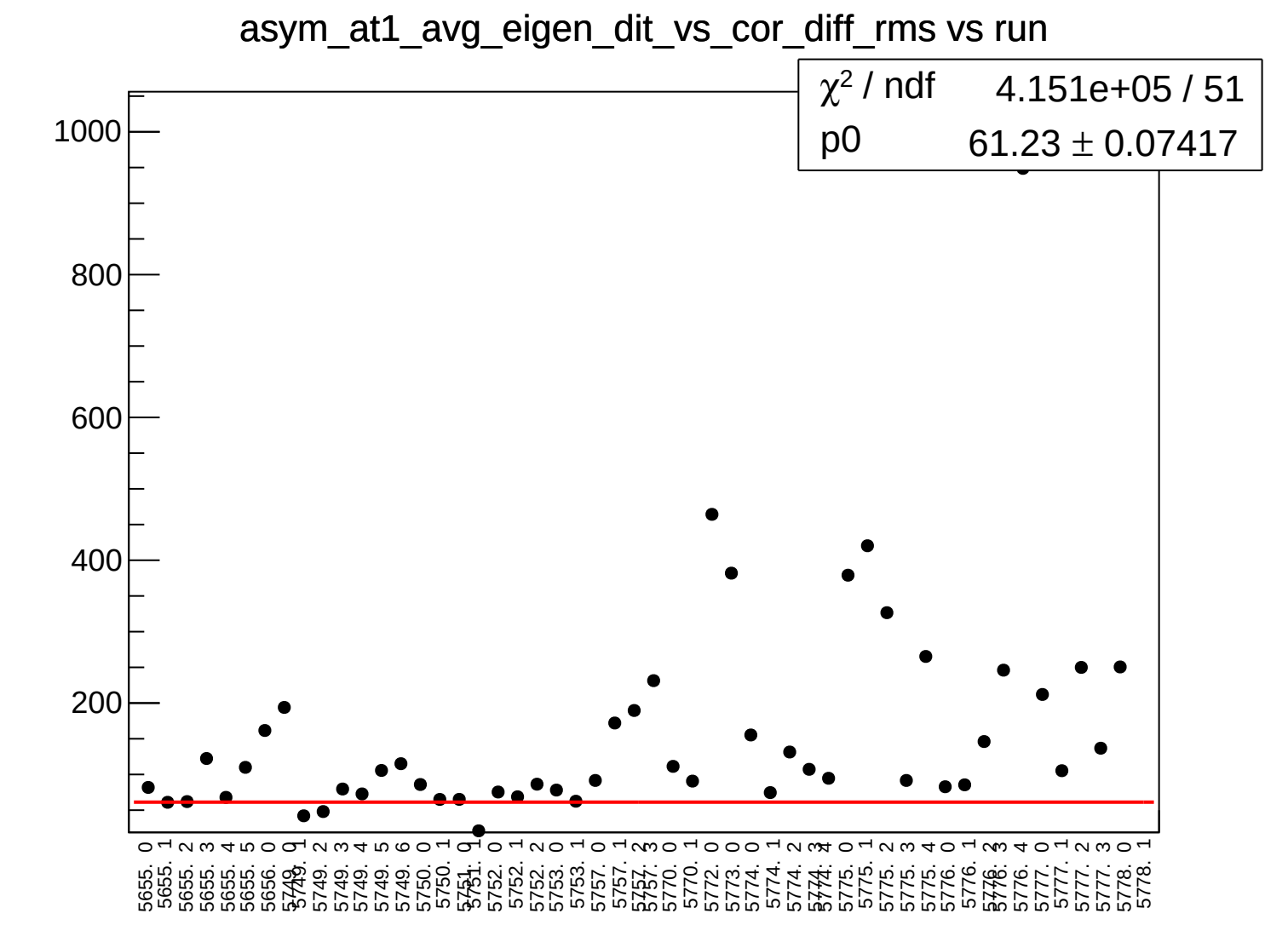

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs run
×10−3
χ2 / ndf 56.95 / 51
p0 1.678e−06 ± 2.508e−06
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull
Entries 52
Mean −58.96
Std Dev 0
3
2
1
0
−1
−2

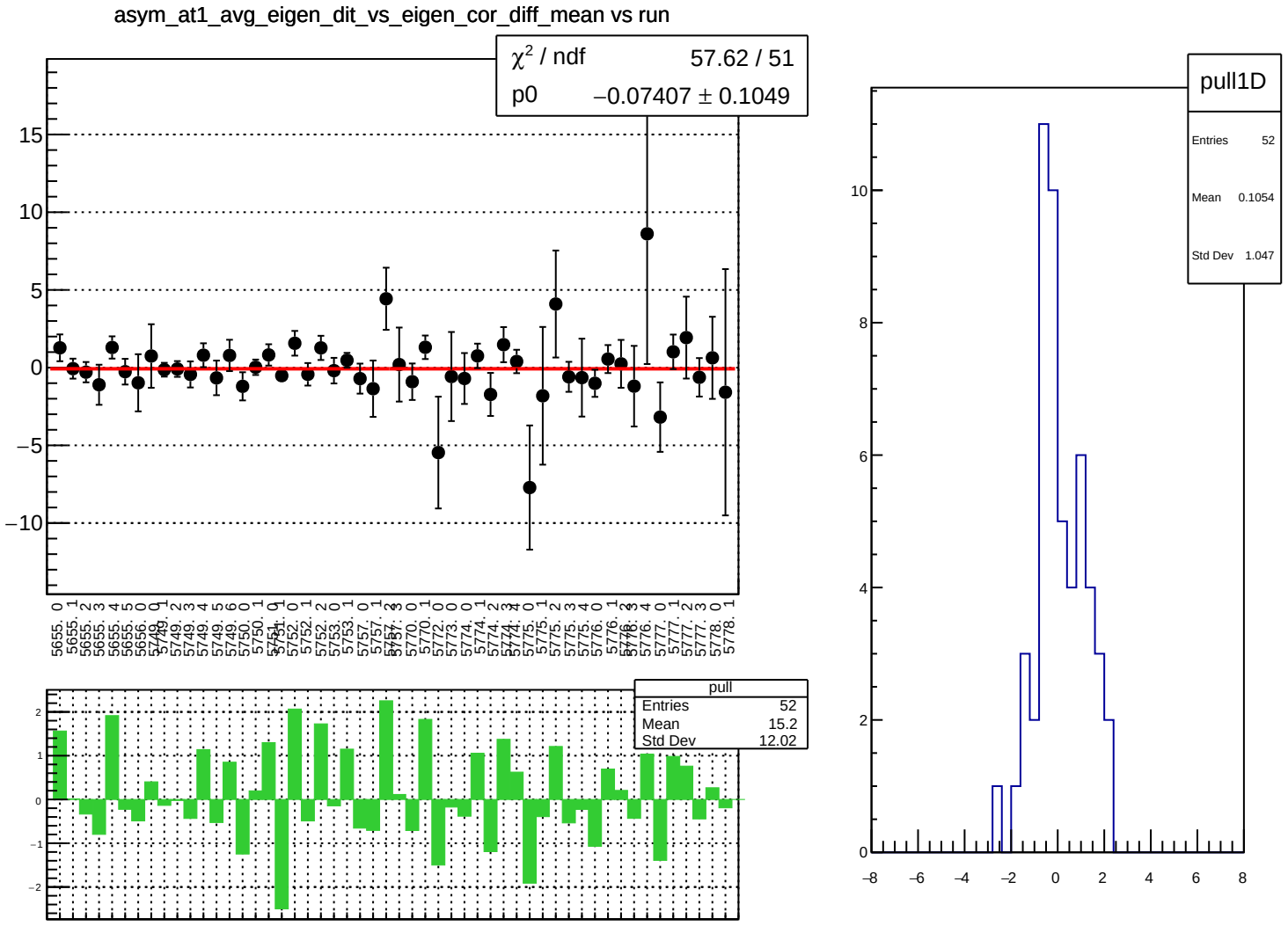

pull1D
Entries 52
Mean 0.02333
Std Dev 1.046
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

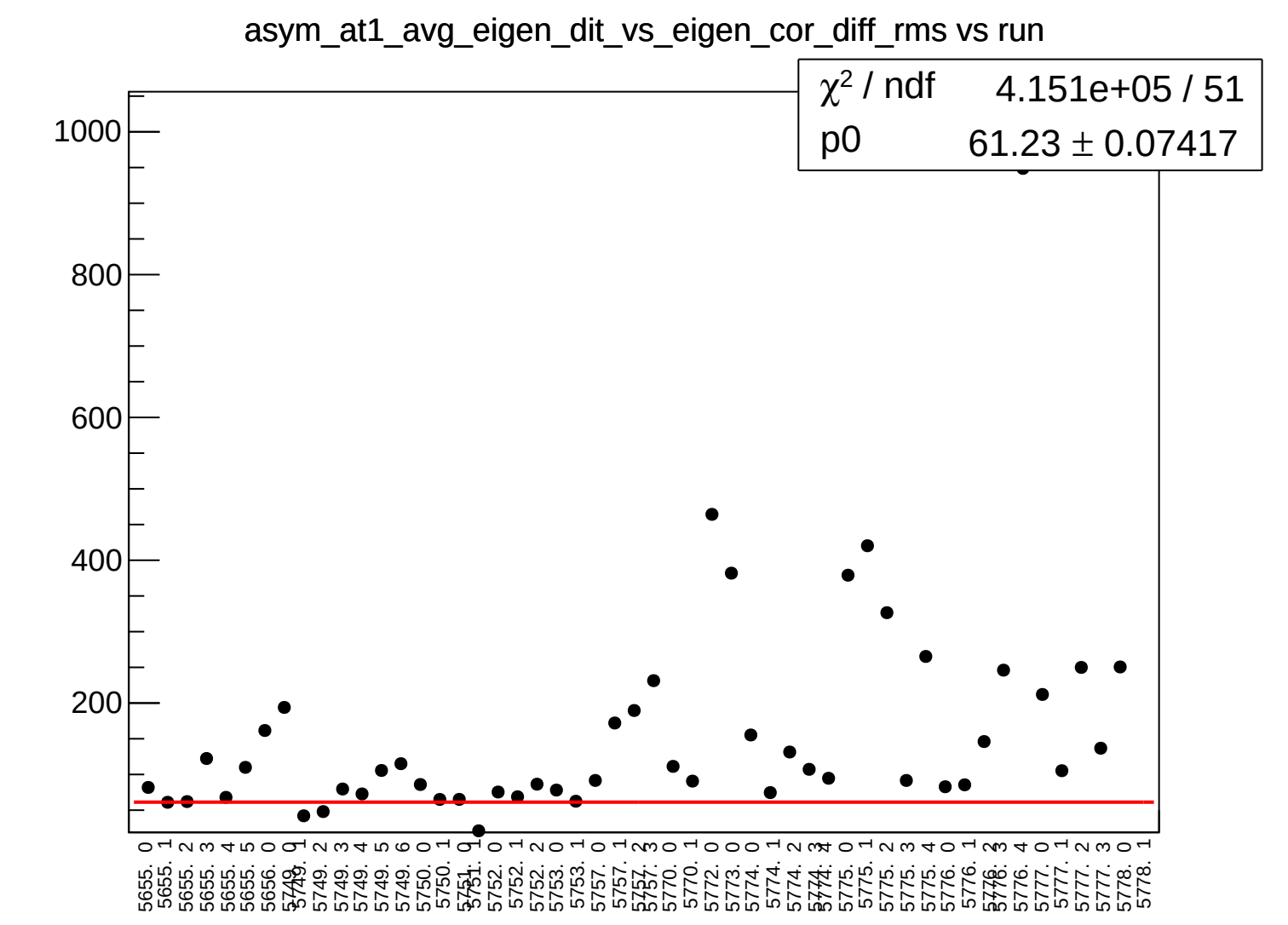

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.093e+05 / 51
p0 0.001359 ± 1.774e−06
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

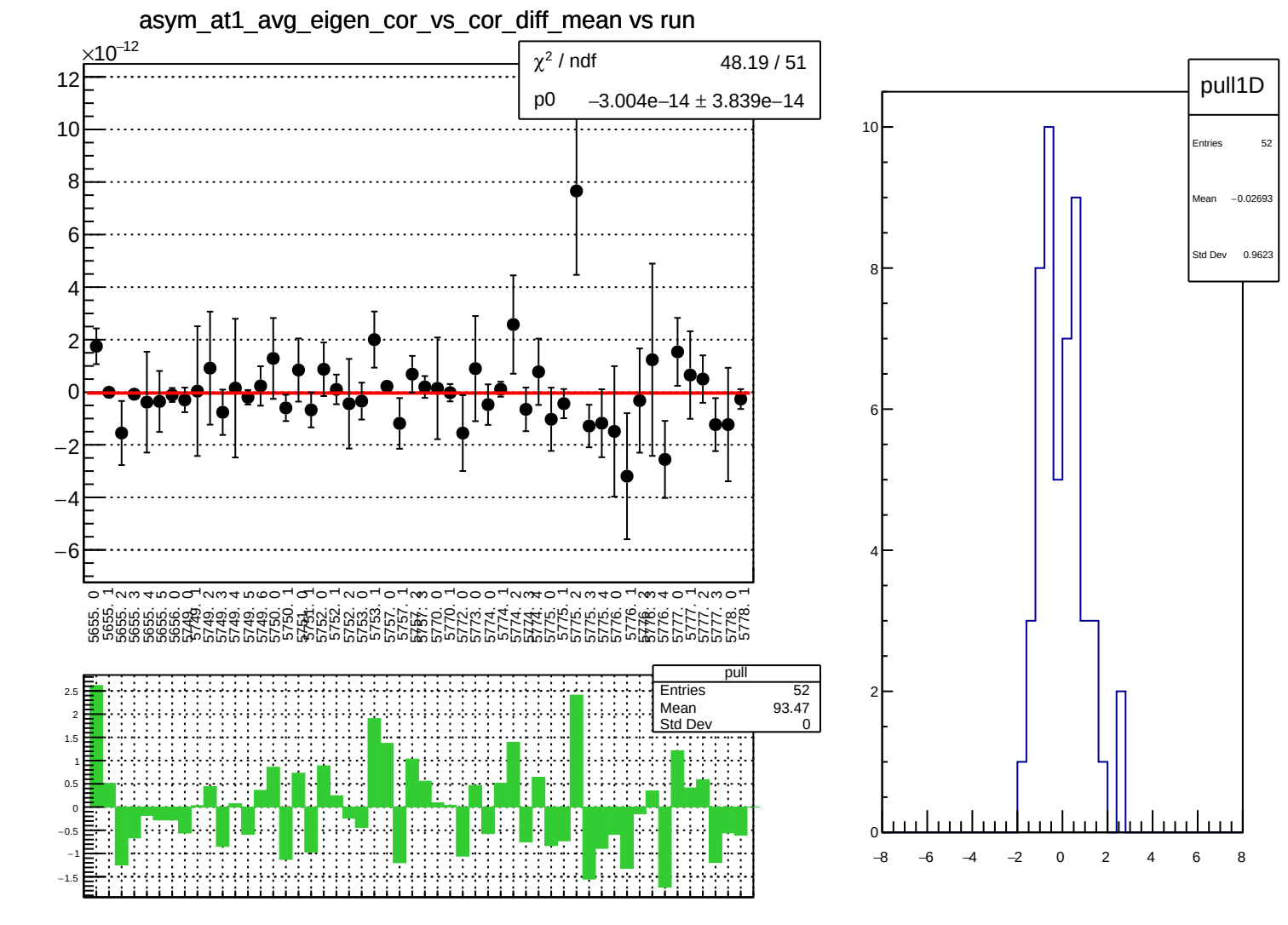

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 57.62 / 51
p0 −0.07407 ± 0.1049
pull
Entries 52
Mean 15.2
Std Dev 12.02

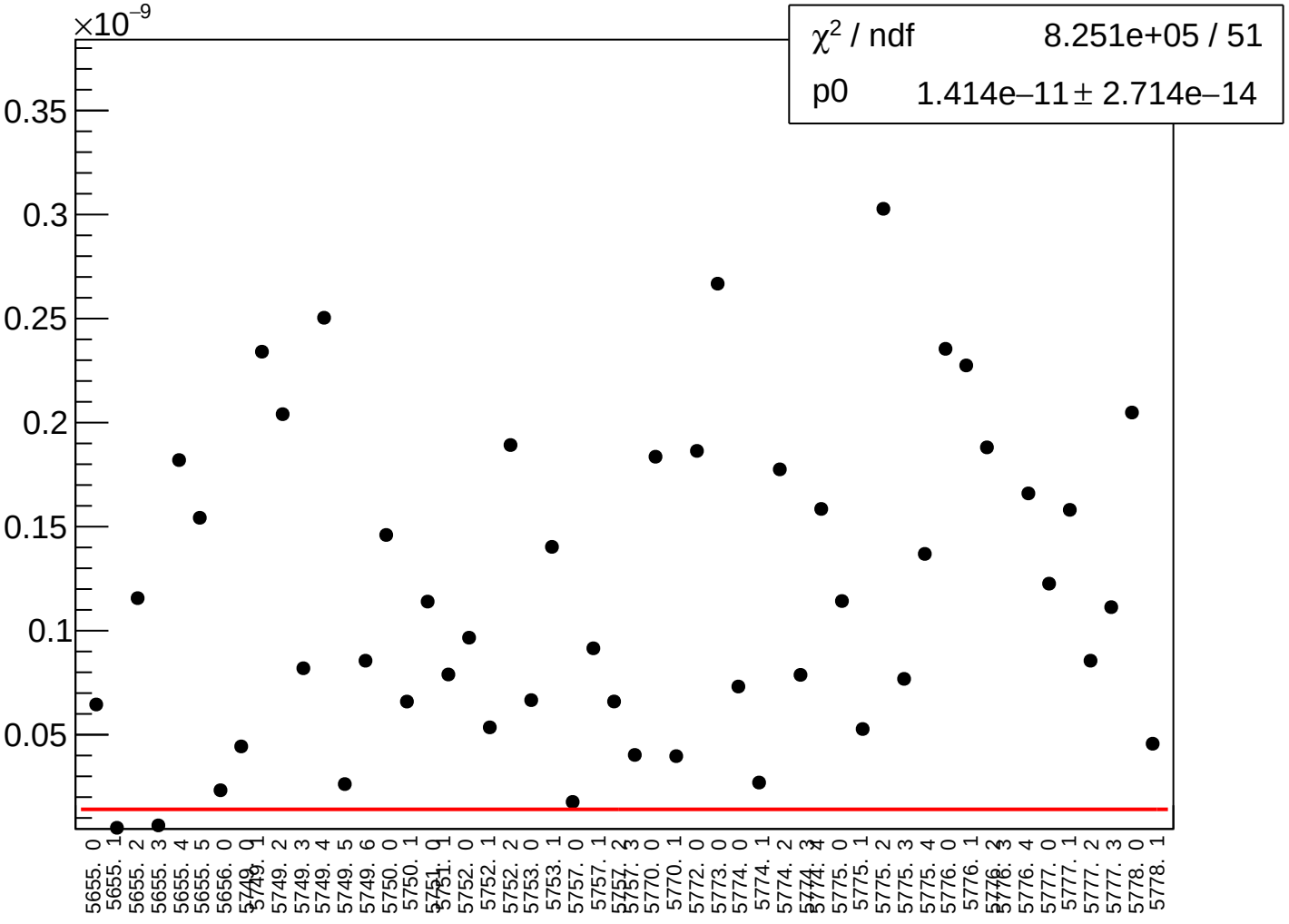

pull1D
Entries 52
Mean 0.1054
Std Dev 1.047


asym_at1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.151e+05 / 51
p0 61.23 ± 0.07417
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.62 / 51
p0 −0.07407 ± 0.1049
pull
Entries 52
Mean 15.2
Std Dev 12.02
pull1D
Entries 52
Mean 0.1054
Std Dev 1.047


asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.151e+05 / 51
p0 61.23 ± 0.07417
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_at1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.19 / 51
p0 −3.004e−14 ± 3.839e−14
pull
Entries 52
Mean 93.47
Std Dev 0
pull1D
Entries 52
Mean −0.02693
Std Dev 0.9623


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 8.251e+05 / 51
p0 1.414e−11 ± 2.714e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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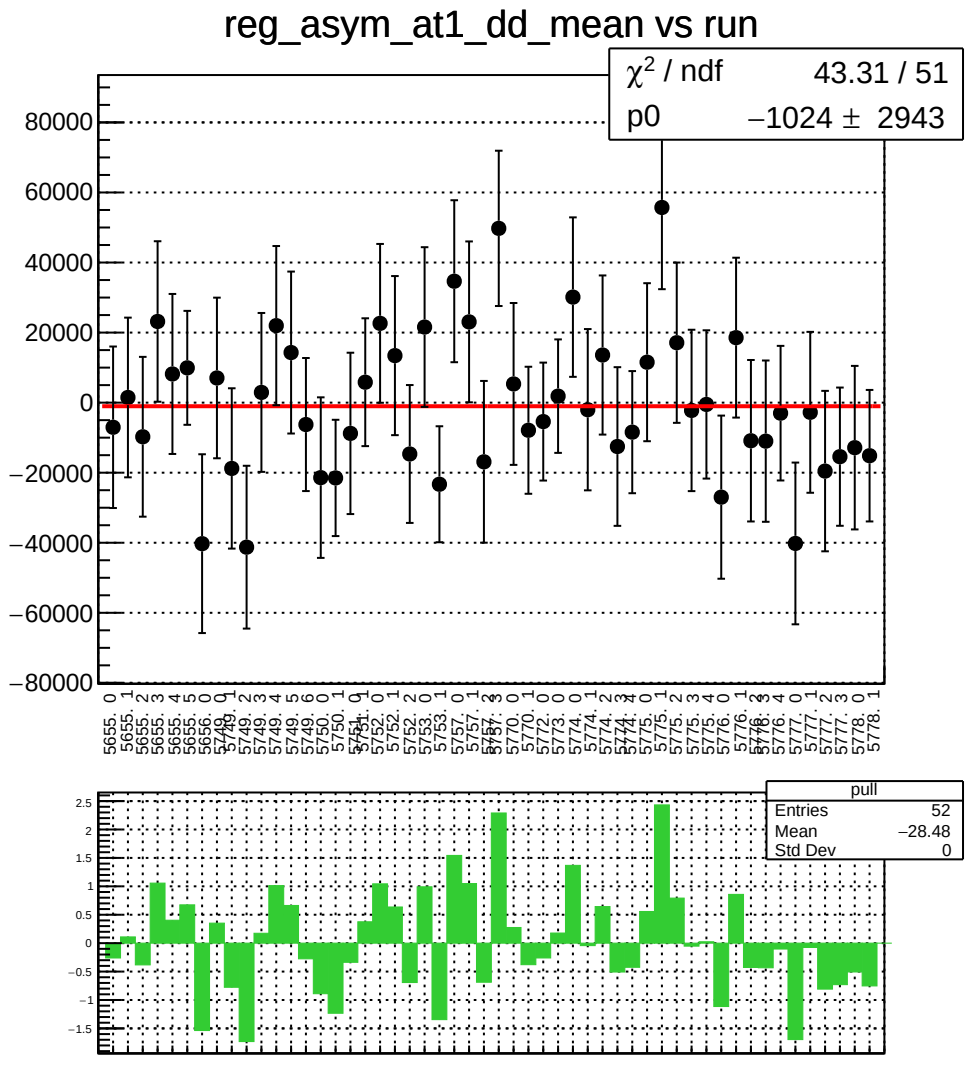
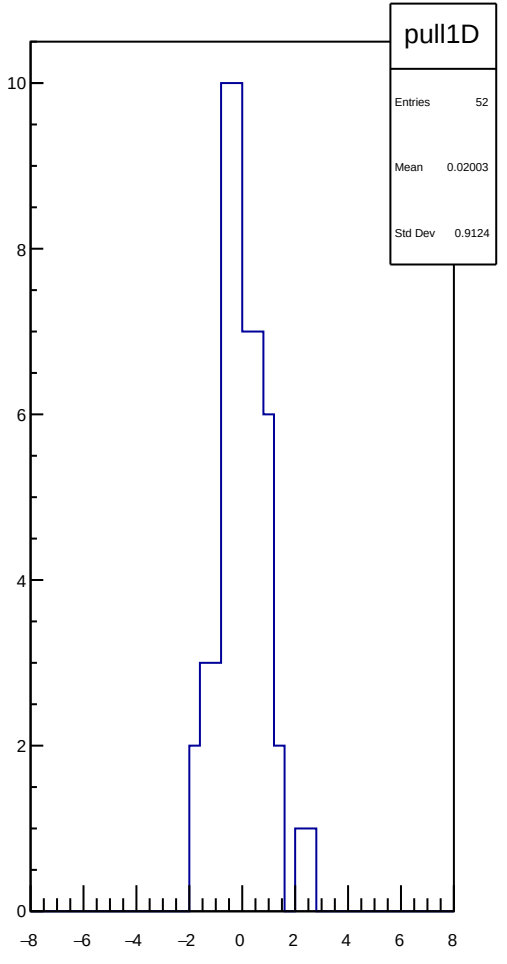
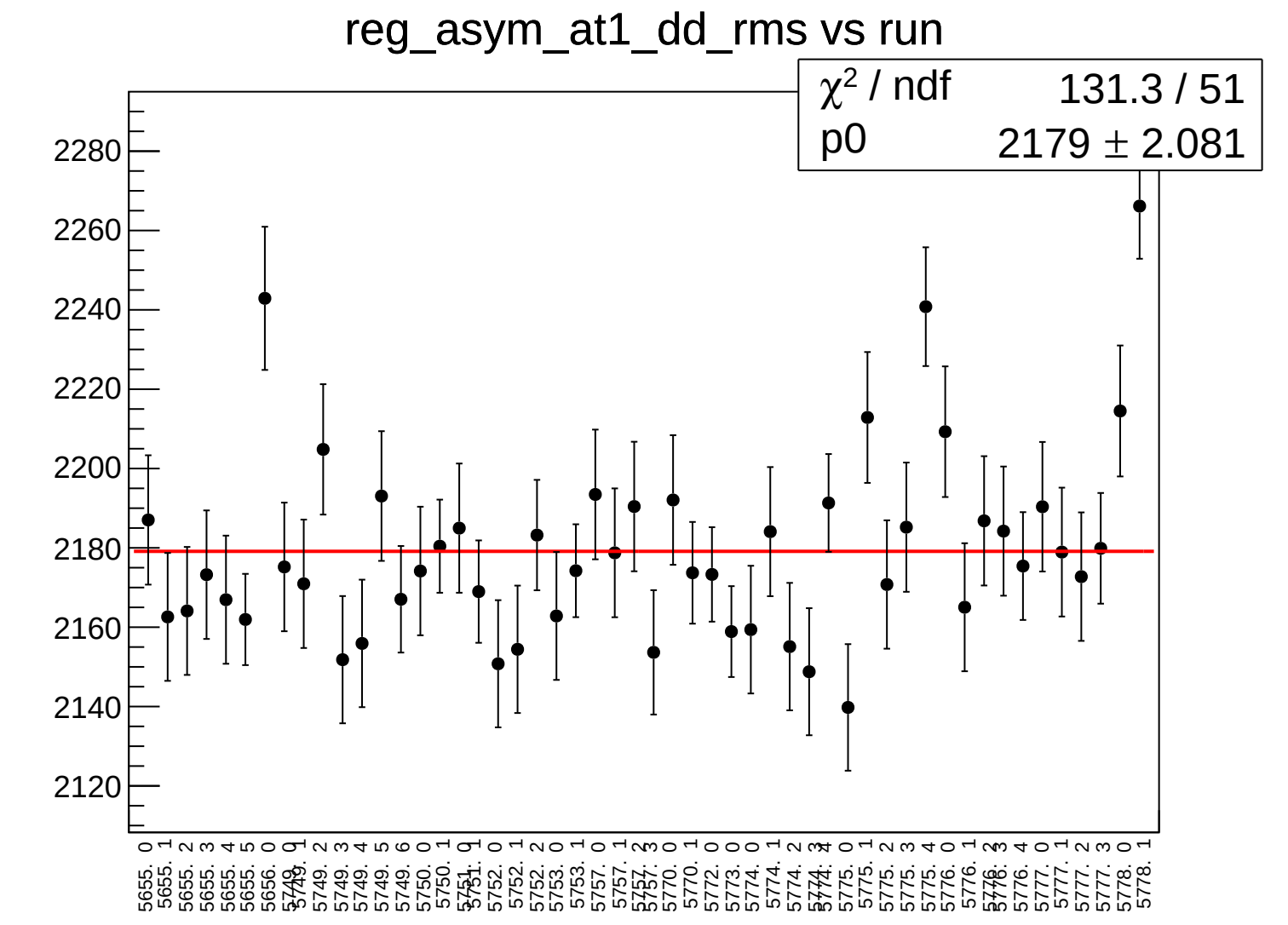
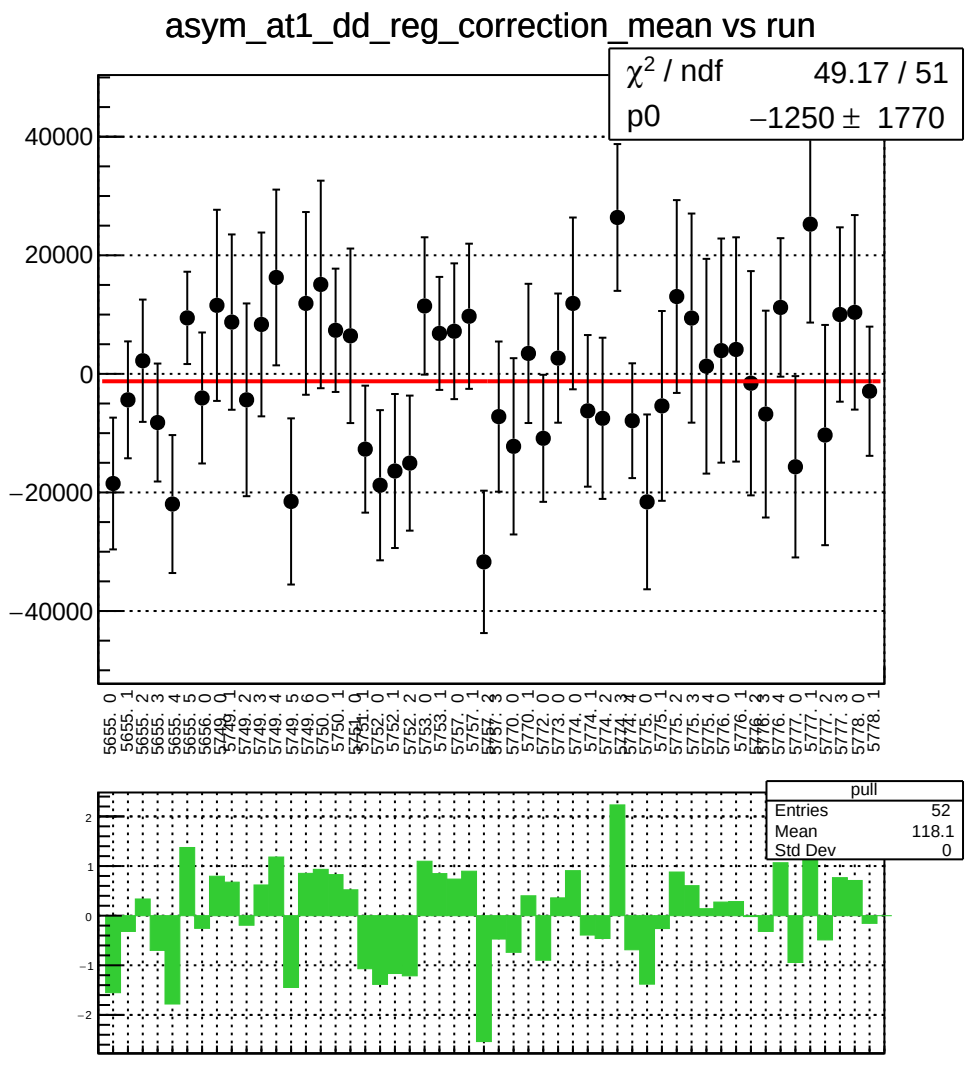
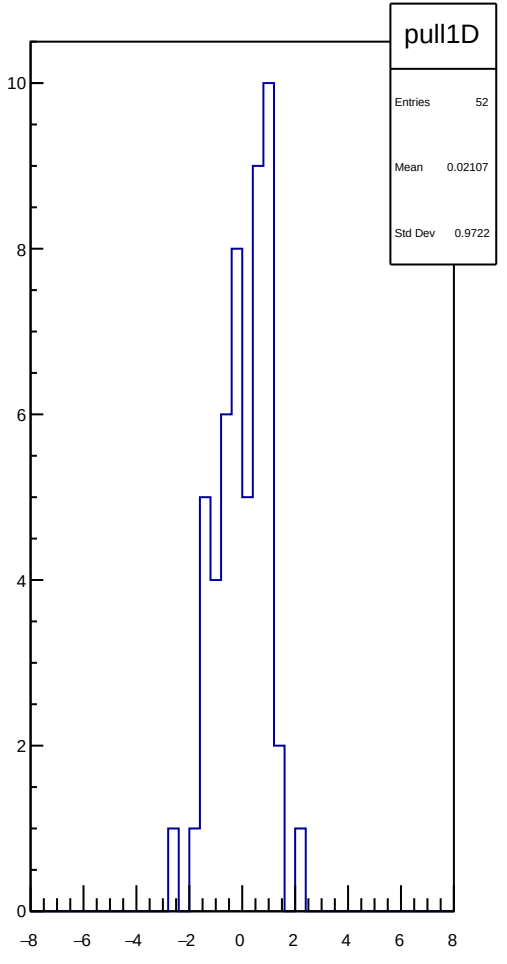
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

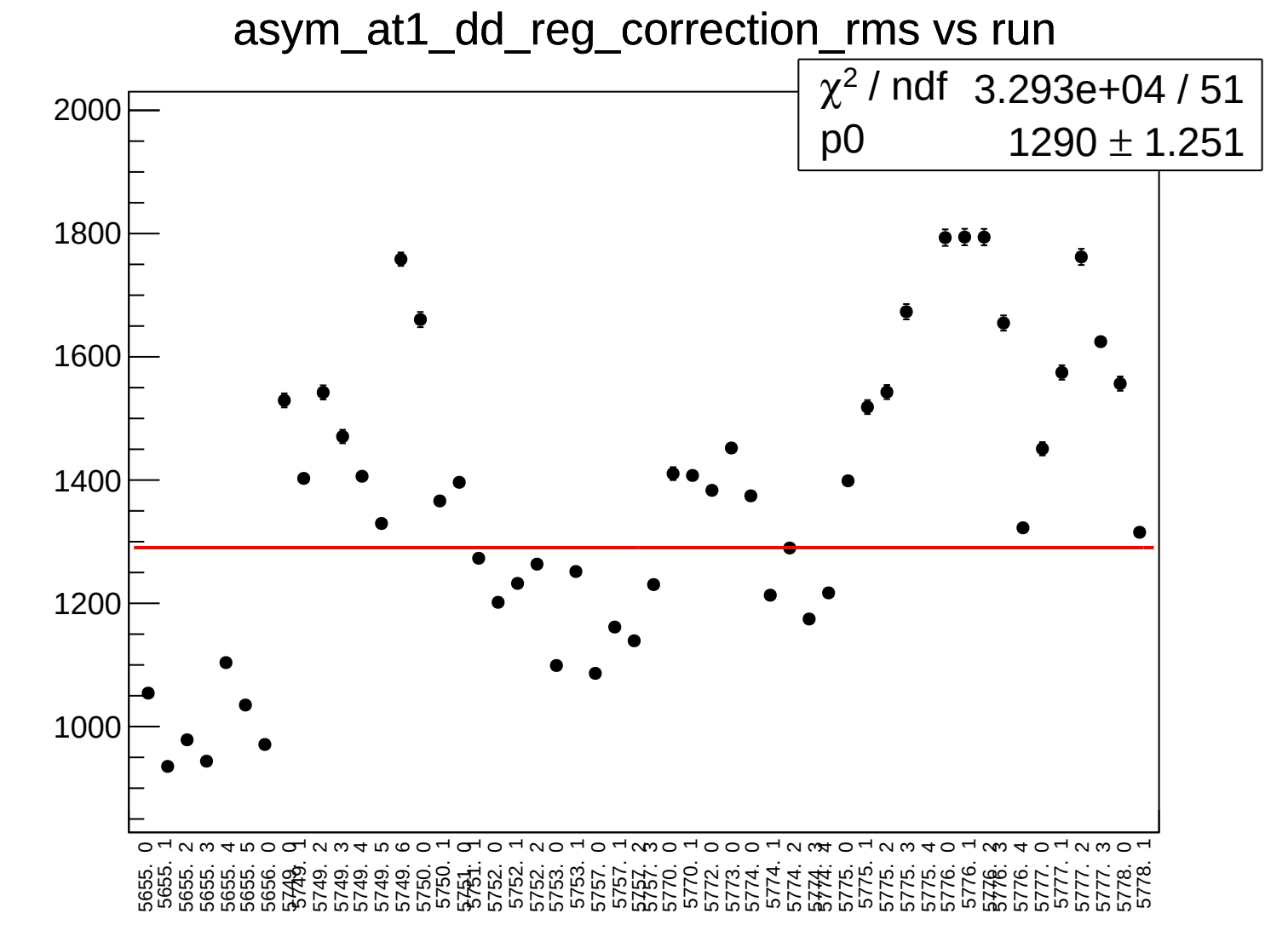

reg_asym_at1_dd_mean vs run
χ² / ndf 43.31 / 51
p0 −1024 ± 2943
pull
Entries 52
Mean −28.48
Std Dev 0

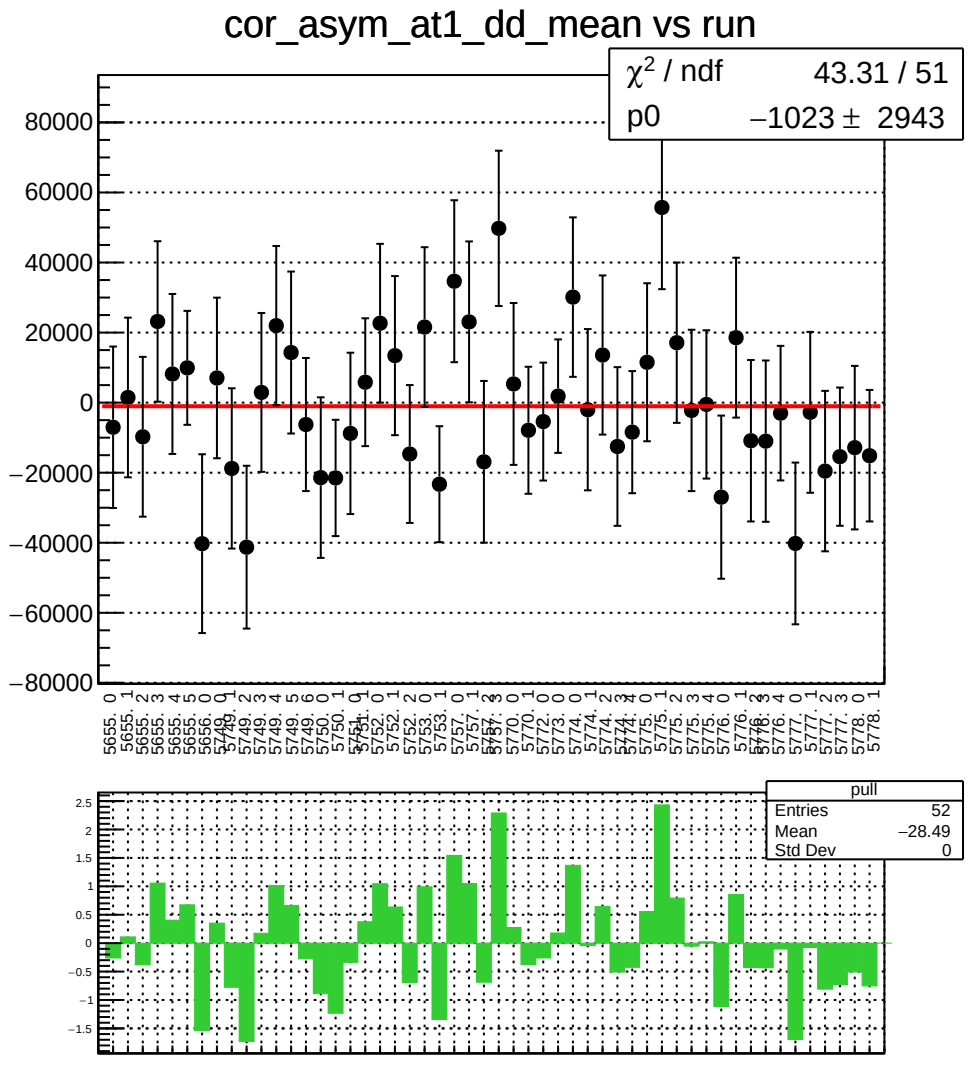

pull1D
Entries 52
Mean 0.02003
Std Dev 0.9124

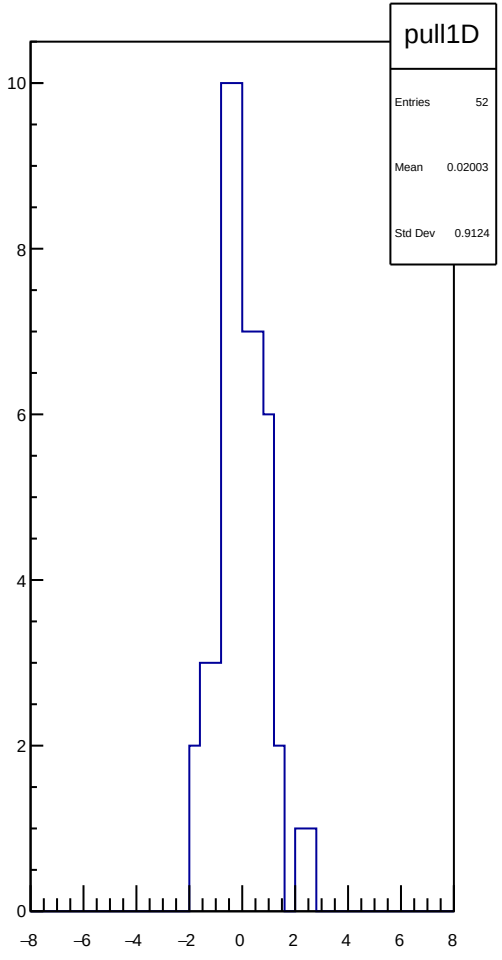

reg_asym_at1_dd_rms vs run
χ² / ndf 131.3 / 51
p0 2179 ± 2.081
2280
2260
2240
2220
2200
2180
2160
2140
2120
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

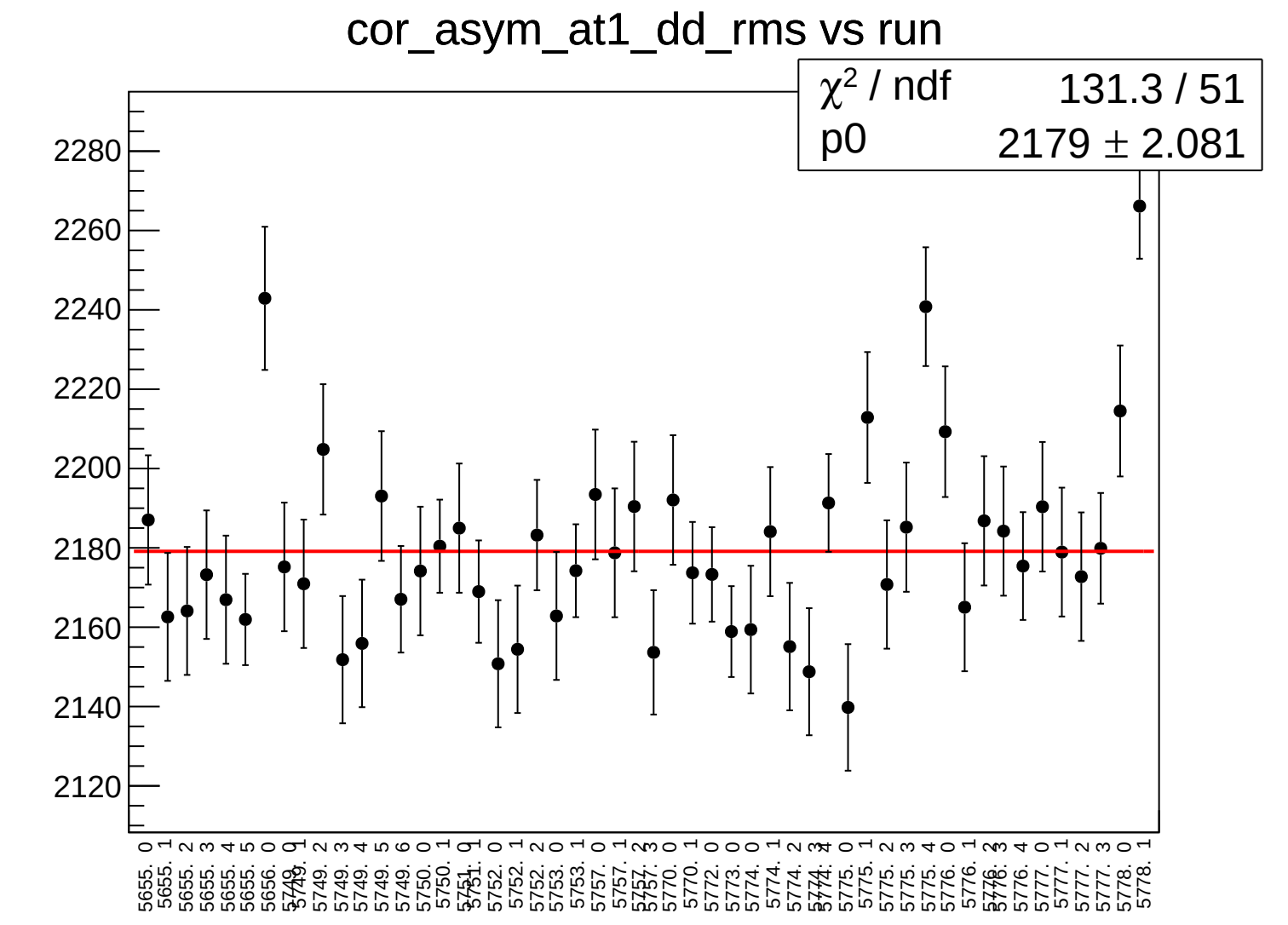

asym_at1_dd_reg_correction_mean vs run
χ² / ndf 49.17 / 51
p0 −1250 ± 1770
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 118.1
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.02107
Std Dev 0.9722
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_dd_reg_correction_rms vs run
χ² / ndf 3.293e+04 / 51
p0 1290 ± 1.251
2000
1800
1600
1400
1200
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_at1_dd_mean vs run
χ² / ndf 43.31 / 51
p0 −1023 ± 2943
pull
Entries 52
Mean −28.49
Std Dev 0


pull1D
Entries 52
Mean 0.02003
Std Dev 0.9124


cor_asym_at1_dd_rms vs run
χ² / ndf 131.3 / 51
p0 2179 ± 2.081
2280
2260
2240
2220
2200
2180
2160
2140
2120
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
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5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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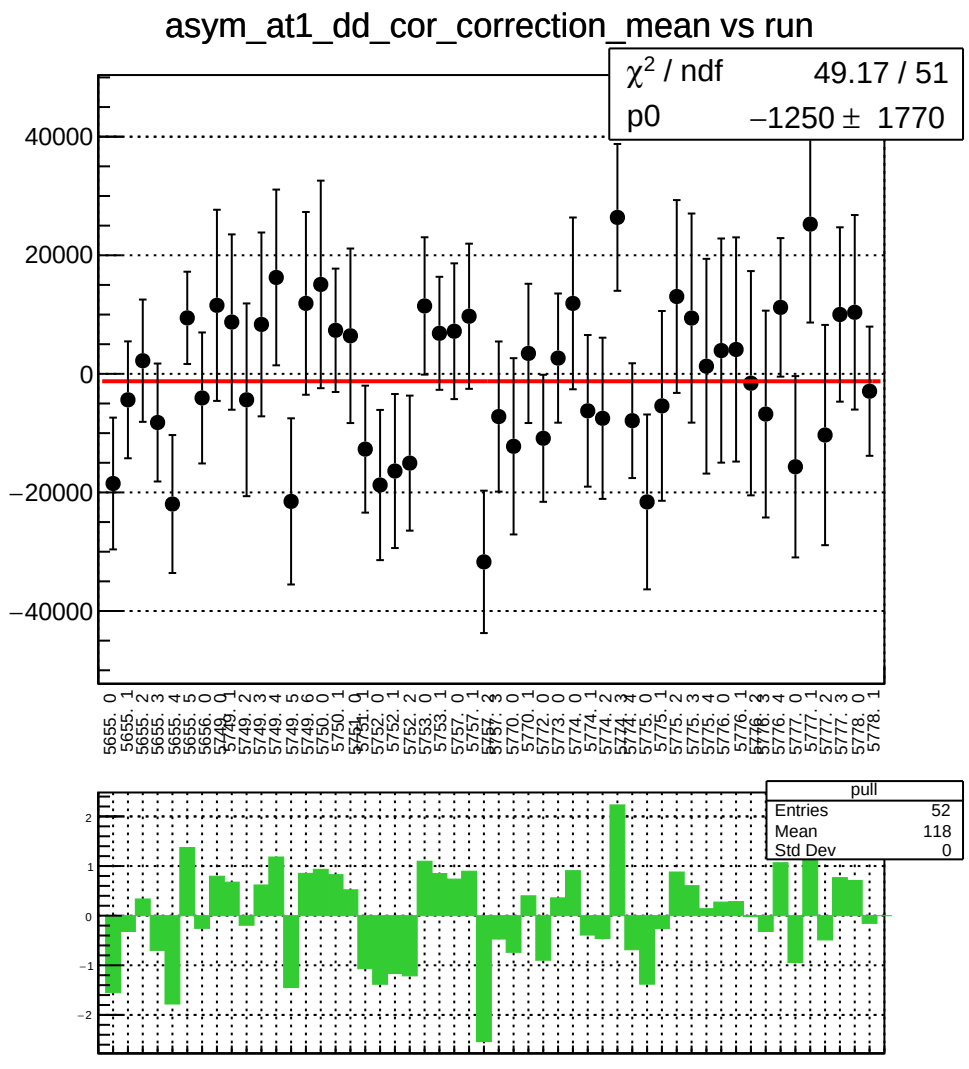
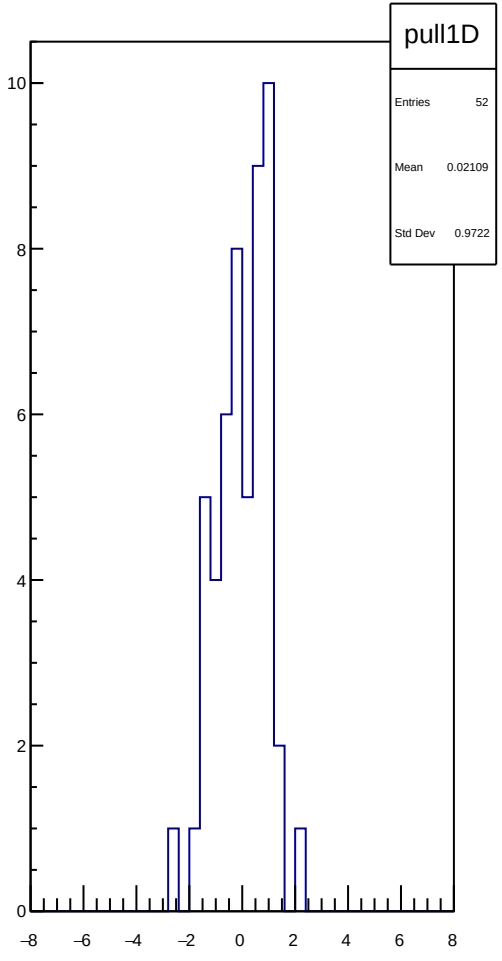
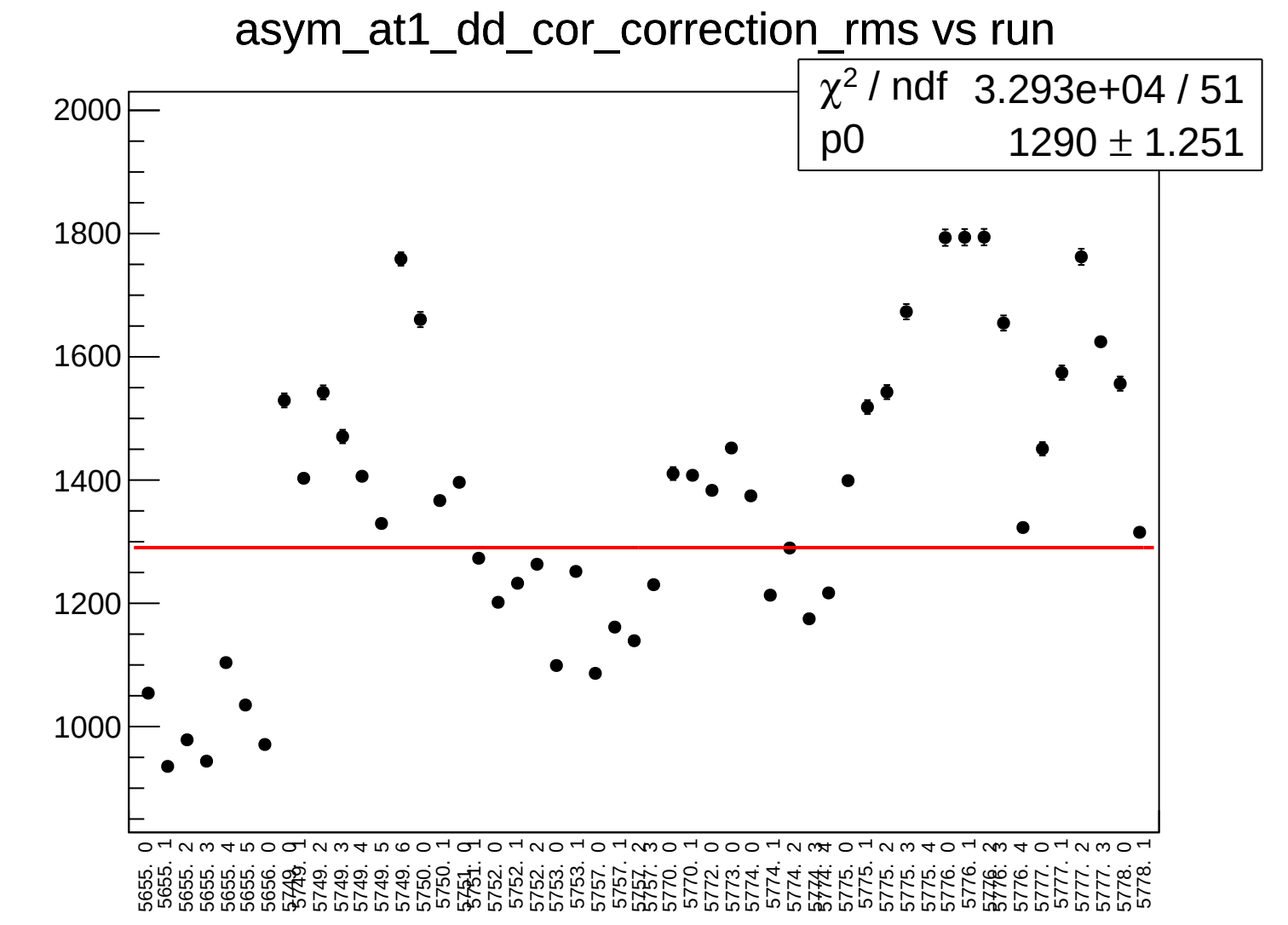
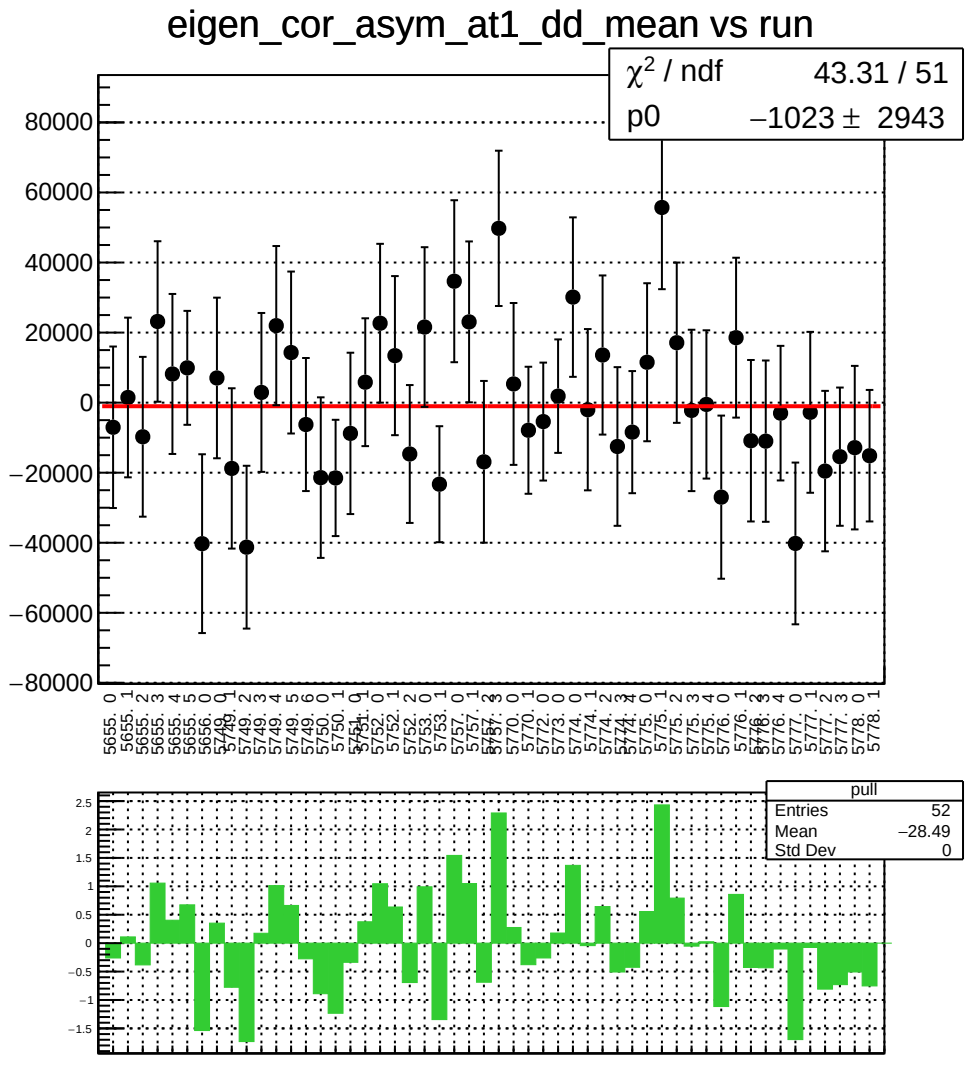
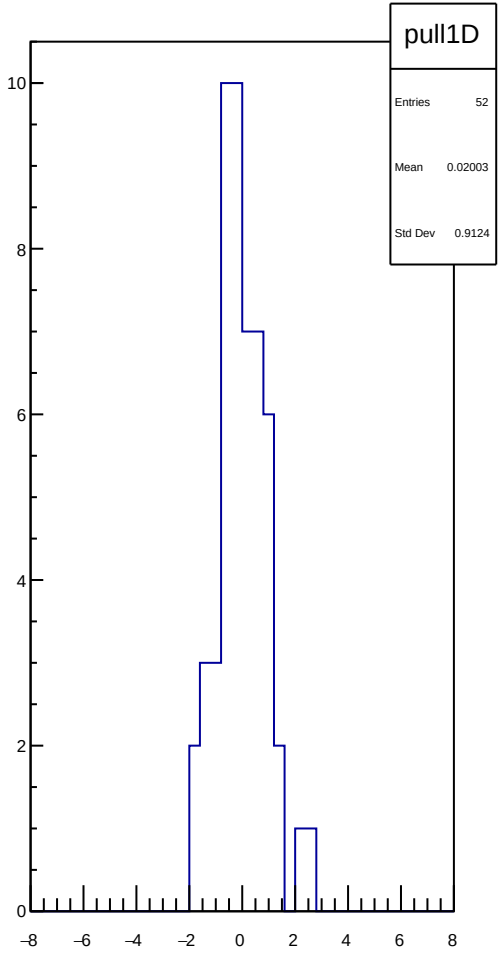
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

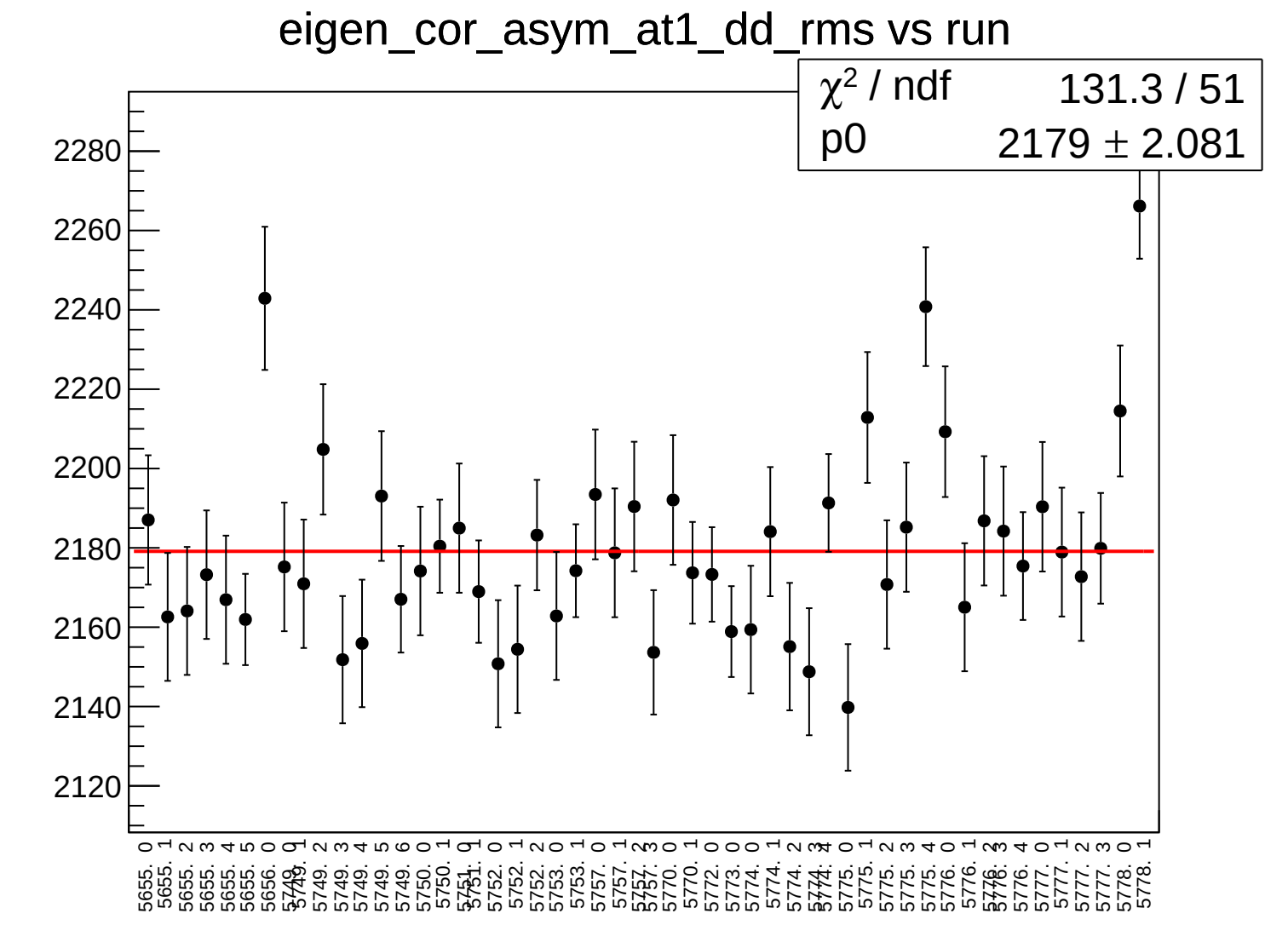

asym_at1_dd_cor_correction_mean vs run
χ² / ndf 49.17 / 51
p0 −1250 ± 1770
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 118
Std Dev 0
2
1
0
−1
−2

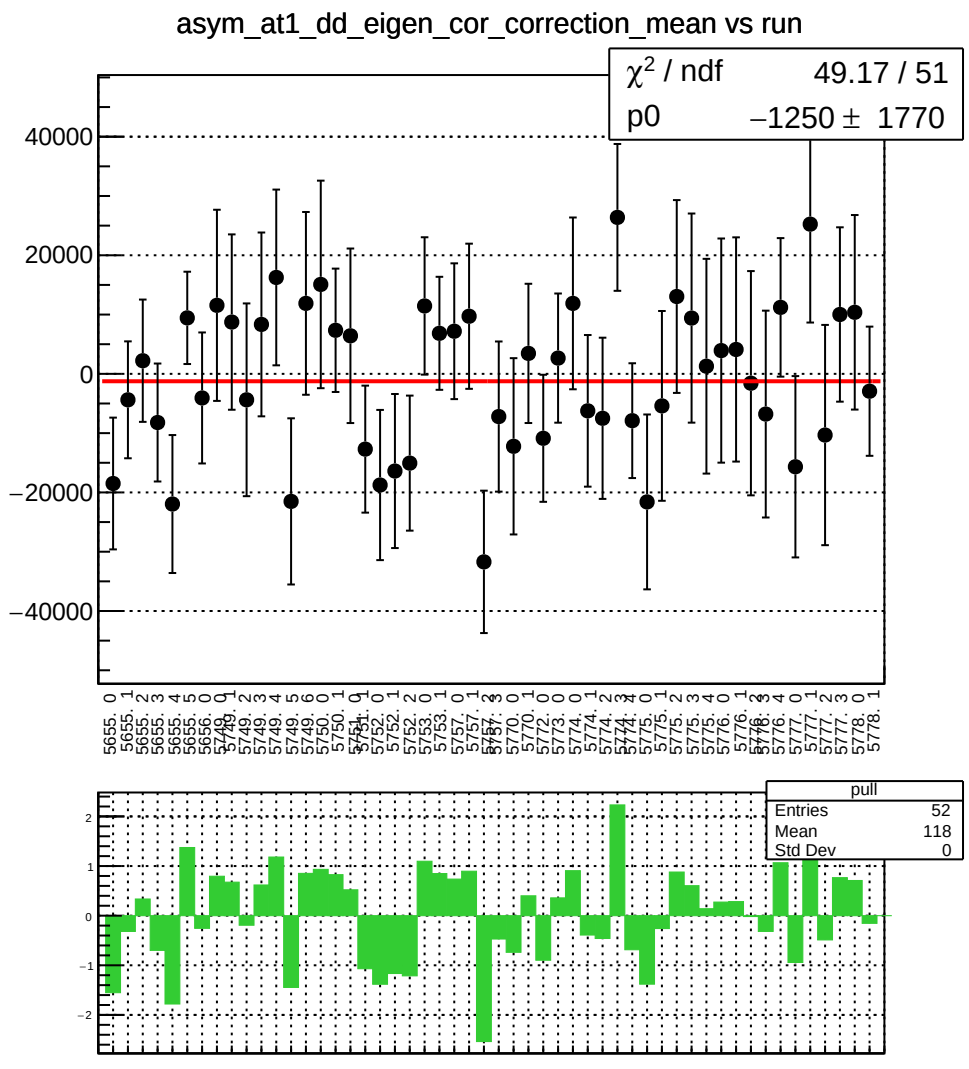

pull1D
Entries 52
Mean 0.02109
Std Dev 0.9722
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

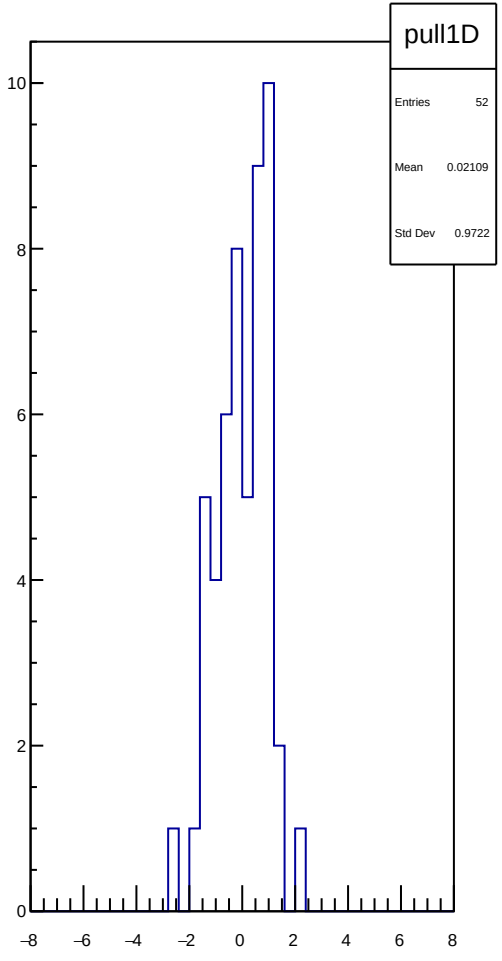

asym_at1_dd_cor_correction_rms vs run
χ² / ndf 3.293e+04 / 51
p0 1290 ± 1.251
2000
1800
1600
1400
1200
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

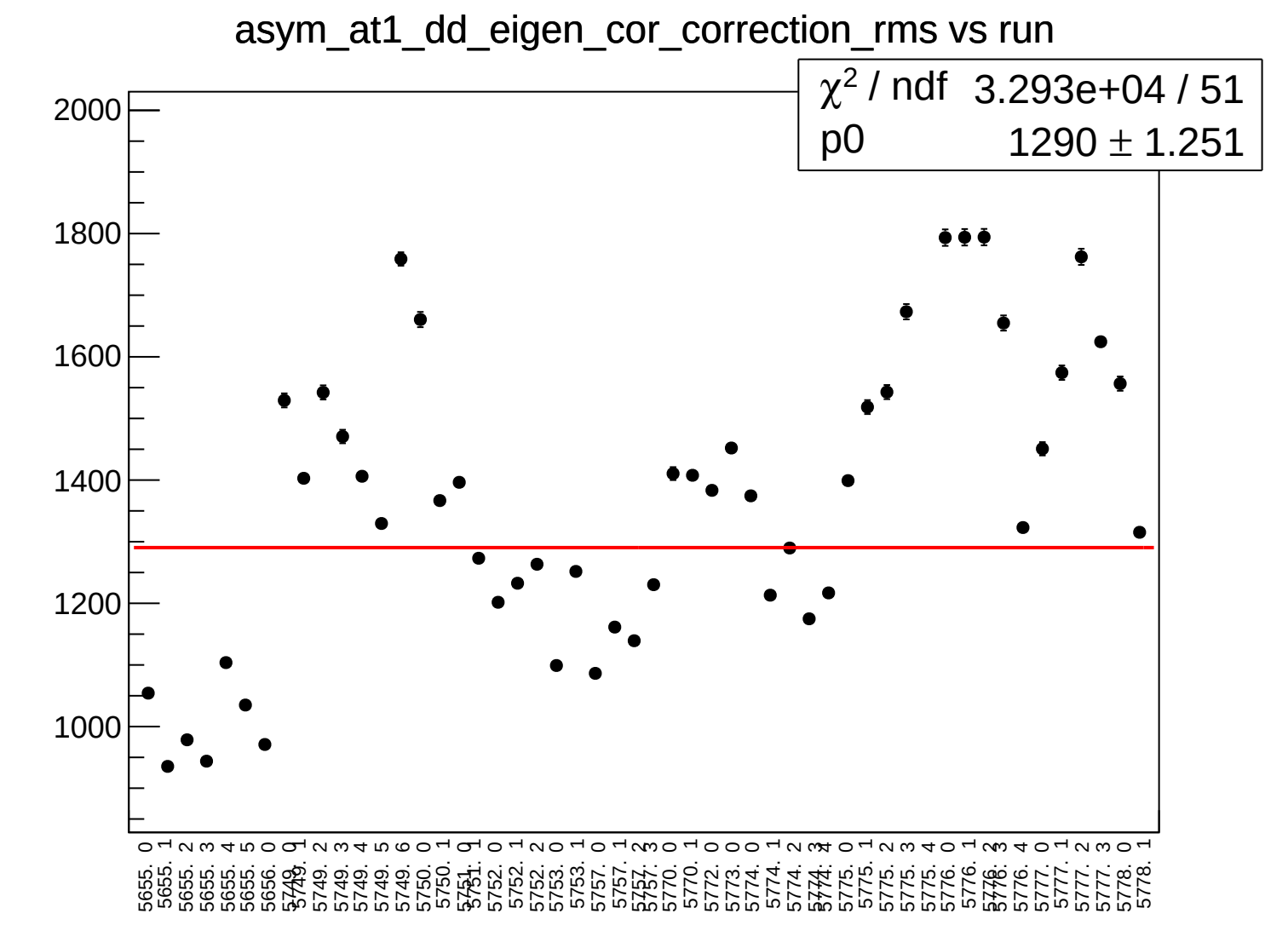

eigen_cor_asym_at1_dd_mean vs run
χ² / ndf 43.31 / 51
p0 −1023 ± 2943
pull
Entries 52
Mean −28.49
Std Dev 0


pull1D
Entries 52
Mean 0.02003
Std Dev 0.9124


eigen_cor_asym_at1_dd_rms vs run
χ² / ndf 131.3 / 51
p0 2179 ± 2.081
2280
2260
2240
2220
2200
2180
2160
2140
2120
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_at1_dd_eigen_cor_correction_mean vs run
χ² / ndf 49.17 / 51
p0 −1250 ± 1770
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 118
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.02109
Std Dev 0.9722
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 3.293e+04 / 51
p0 1290 ± 1.251
2000
1800
1600
1400
1200
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
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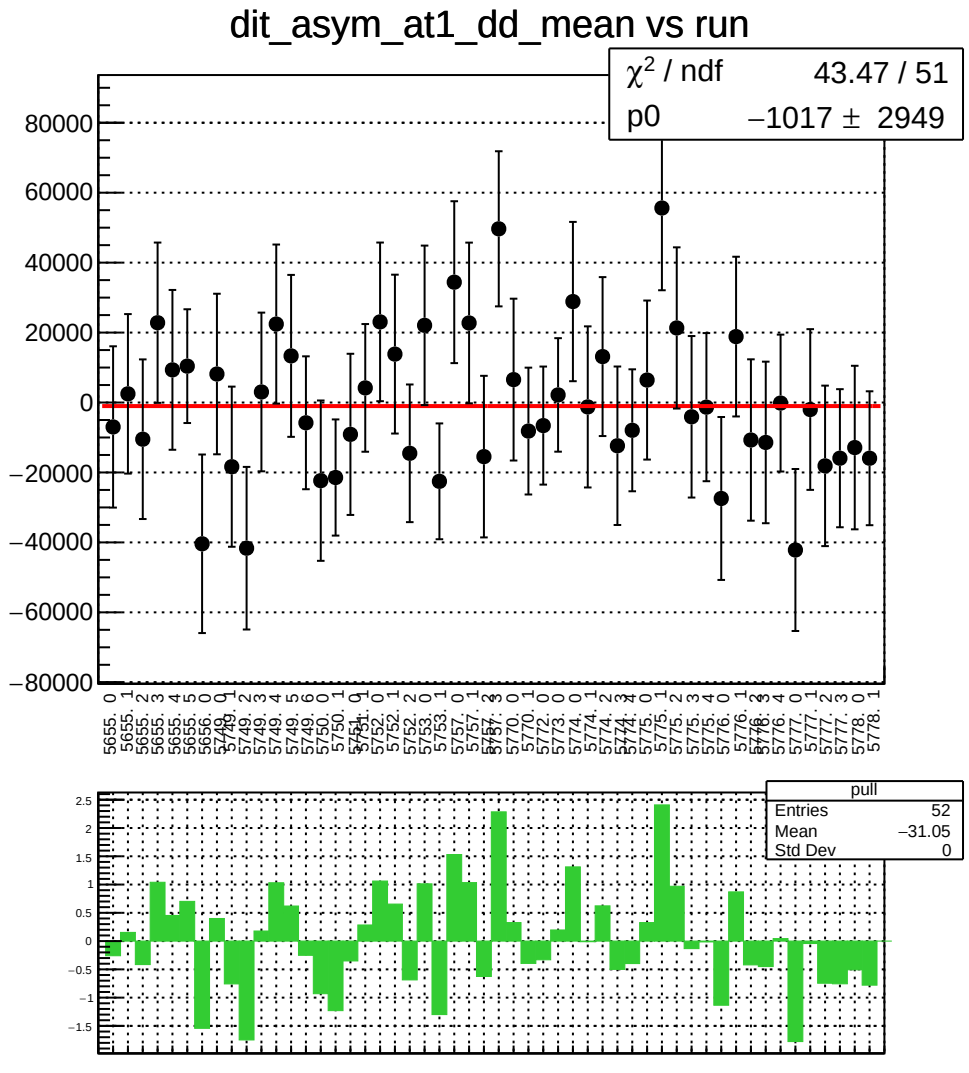
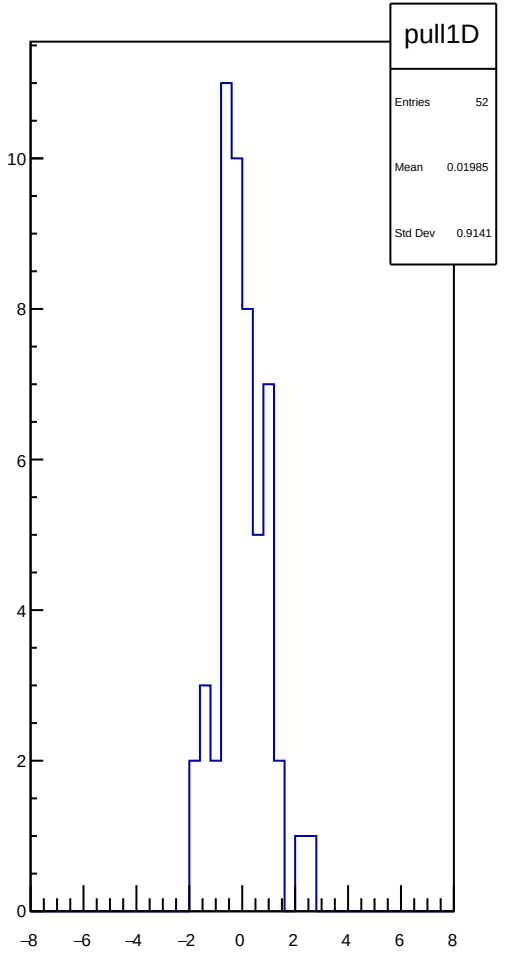
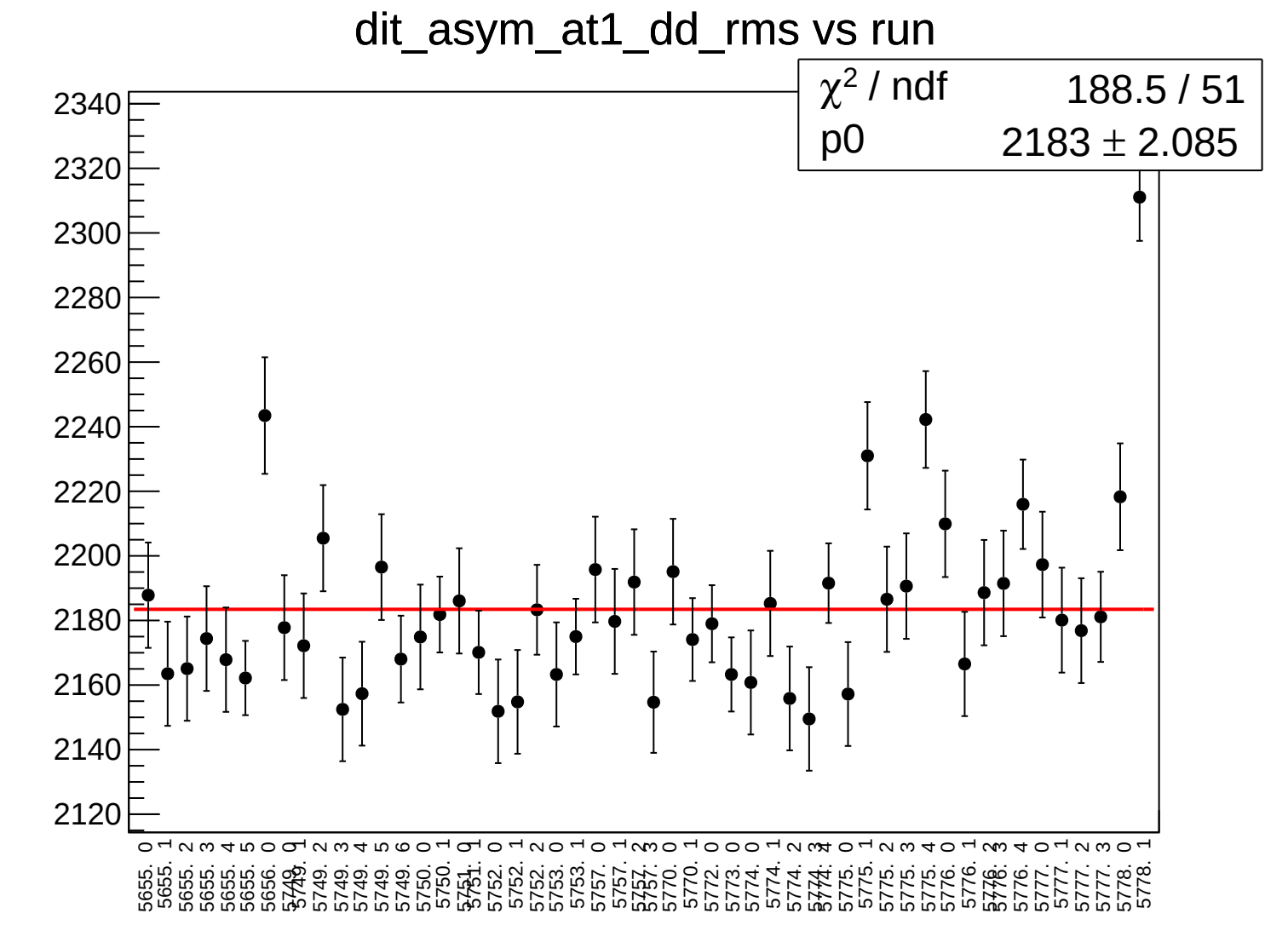
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


dit_asym_at1_dd_mean vs run
χ² / ndf 43.47 / 51
p0 −1017 ± 2949
pull
Entries 52
Mean −31.05
Std Dev 0


pull1D
Entries 52
Mean 0.01985
Std Dev 0.9141


dit_asym_at1_dd_rms vs run
χ² / ndf 188.5 / 51
p0 2183 ± 2.085
2340
2320
2300
2280
2260
2240
2220
2200
2180
2160
2140
2120
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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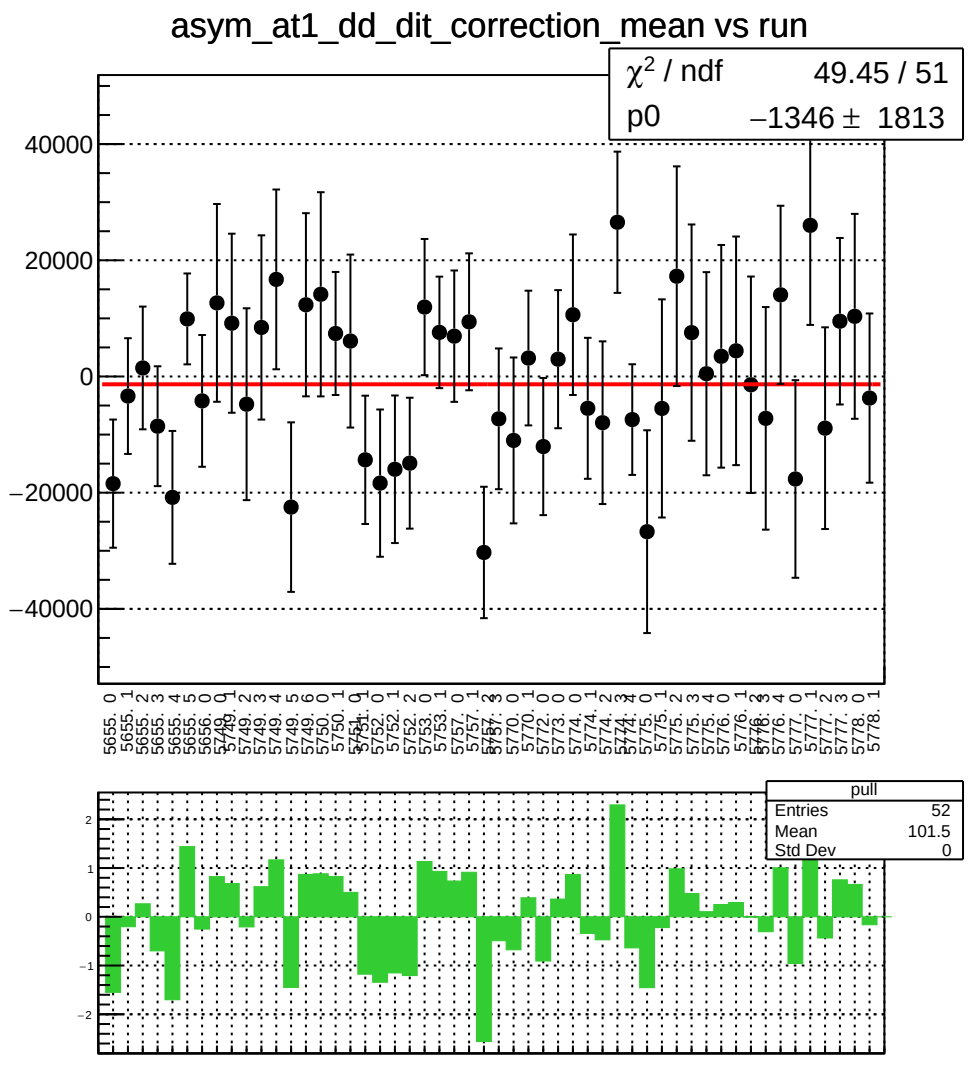
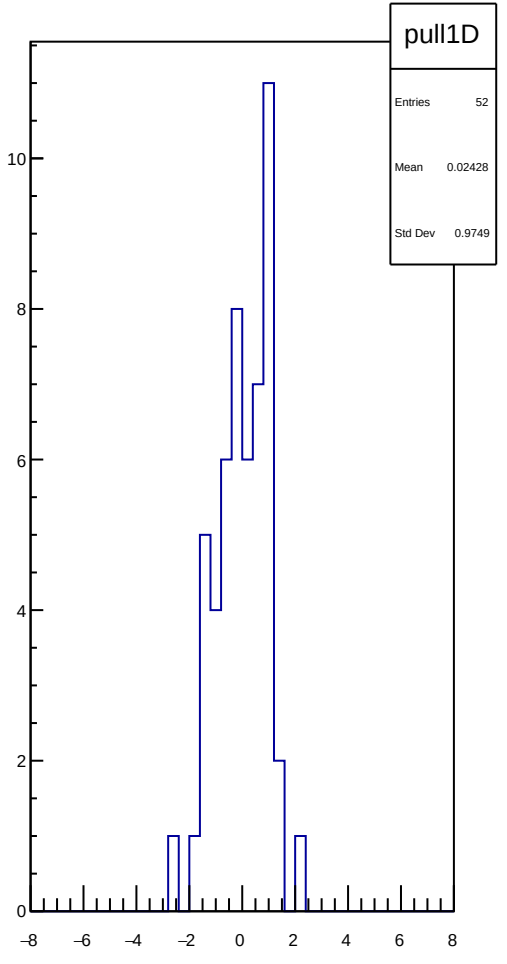
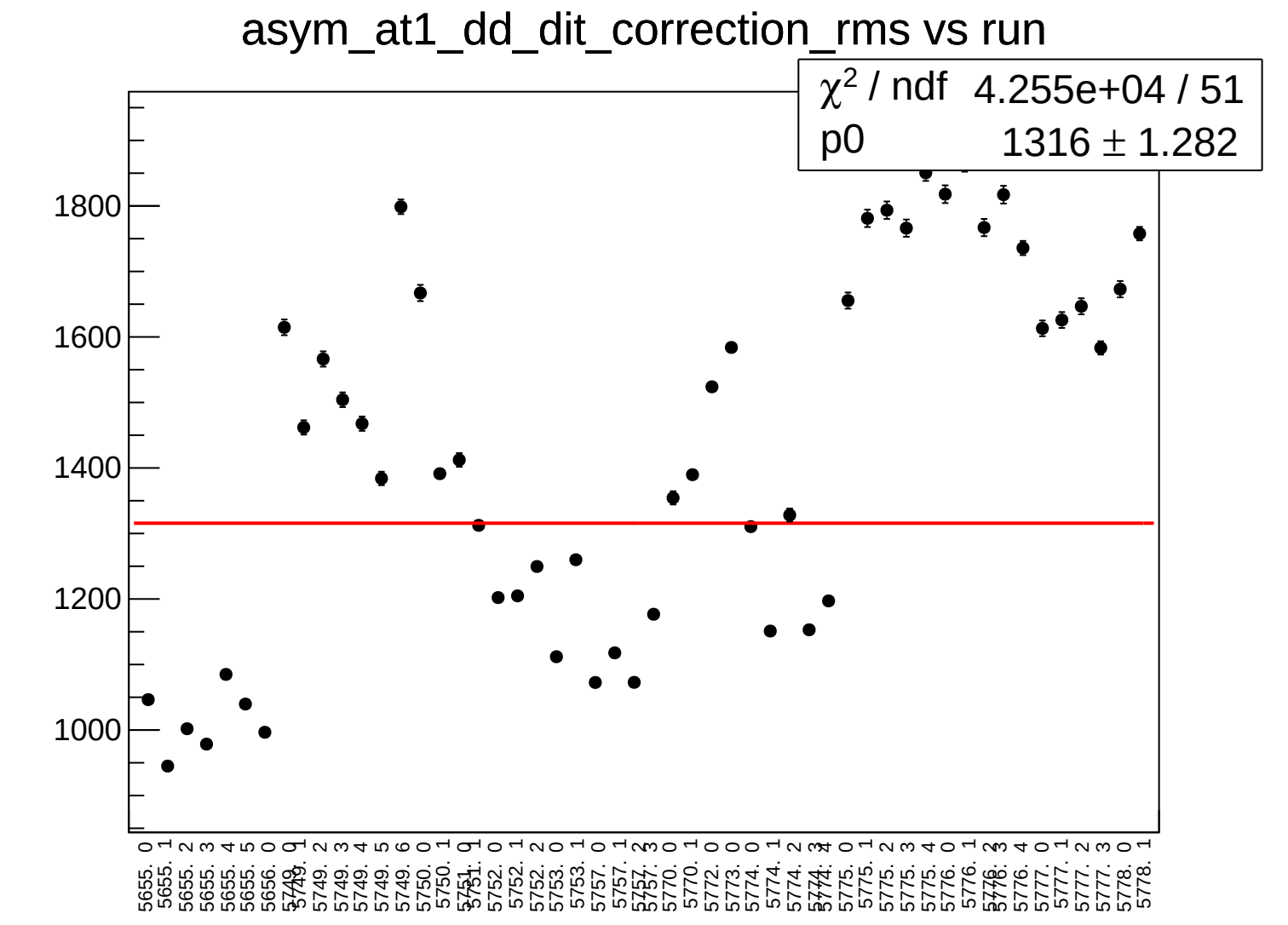
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_at1_dd_dit_correction_mean vs run
χ² / ndf 49.45 / 51
p0 −1346 ± 1813
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 101.5
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.02428
Std Dev 0.9749
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 4.255e+04 / 51
p0 1316 ± 1.282
1800
1600
1400
1200
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
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5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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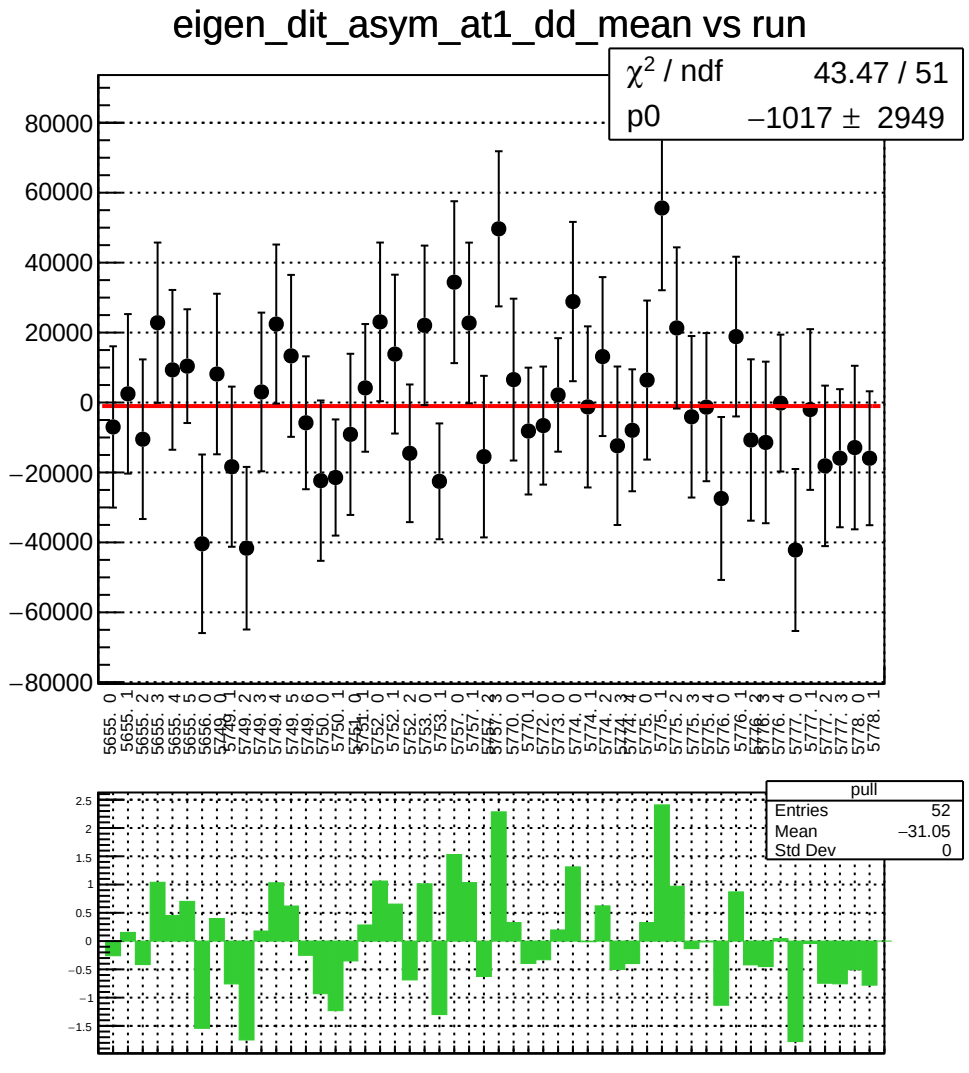
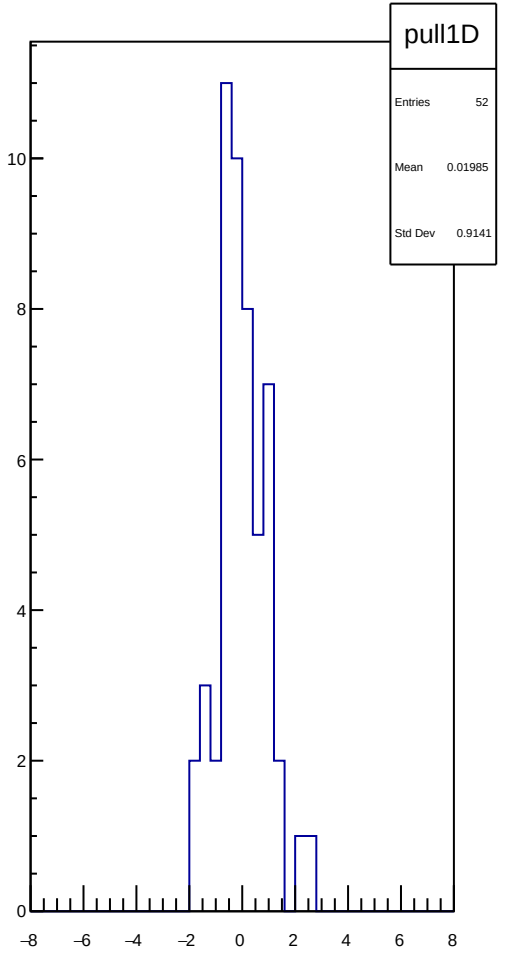
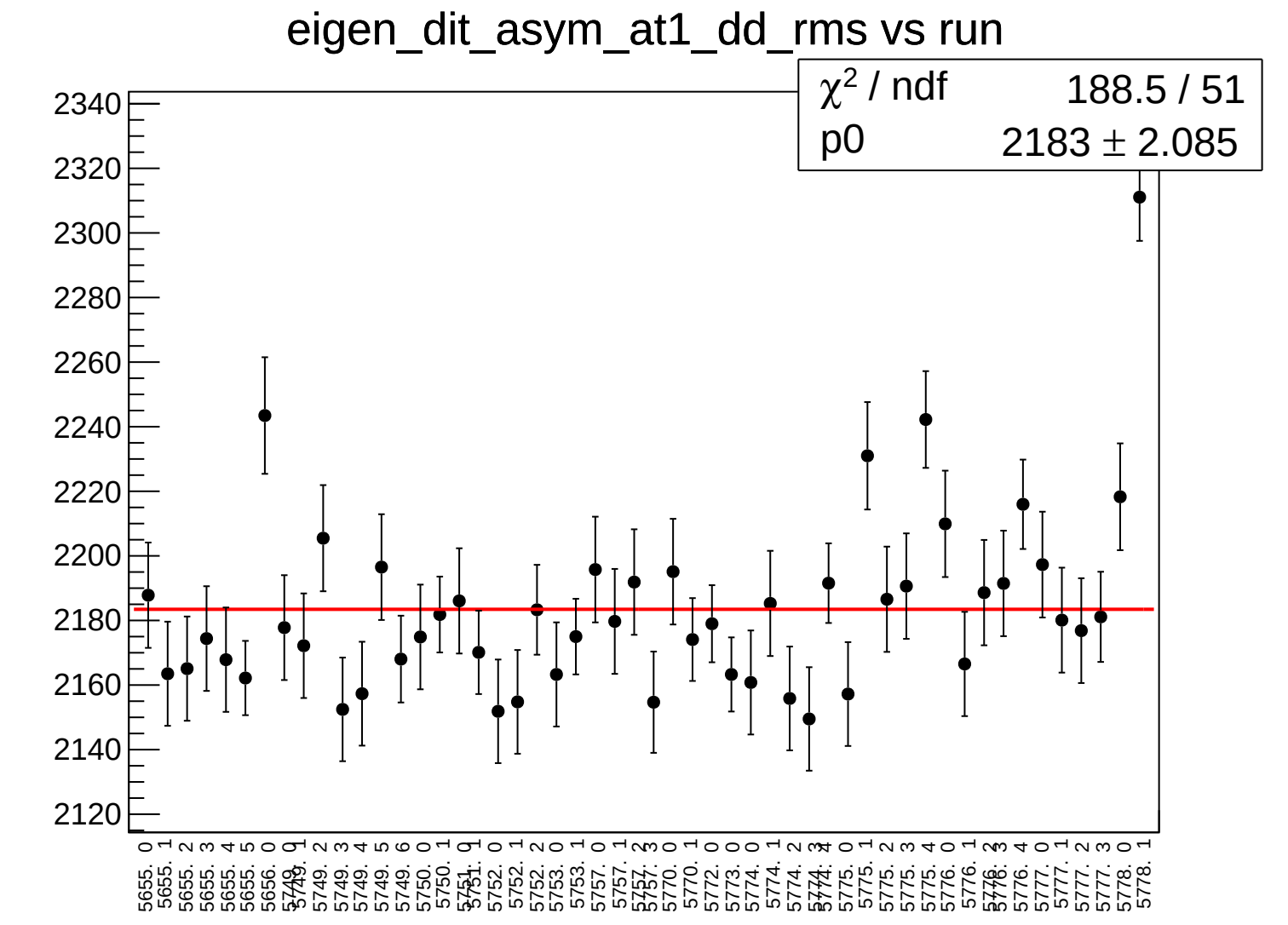
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_dit_asym_at1_dd_mean vs run
χ² / ndf 43.47 / 51
p0 −1017 ± 2949
pull
Entries 52
Mean −31.05
Std Dev 0


pull1D
Entries 52
Mean 0.01985
Std Dev 0.9141


eigen_dit_asym_at1_dd_rms vs run
χ² / ndf 188.5 / 51
p0 2183 ± 2.085
2340
2320
2300
2280
2260
2240
2220
2200
2180
2160
2140
2120
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
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5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
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5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
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5774. 4
5775. 0
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5775. 2
5775. 3
5775. 4
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5776. 3
5776. 4
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5777. 1
5777. 2
5777. 3
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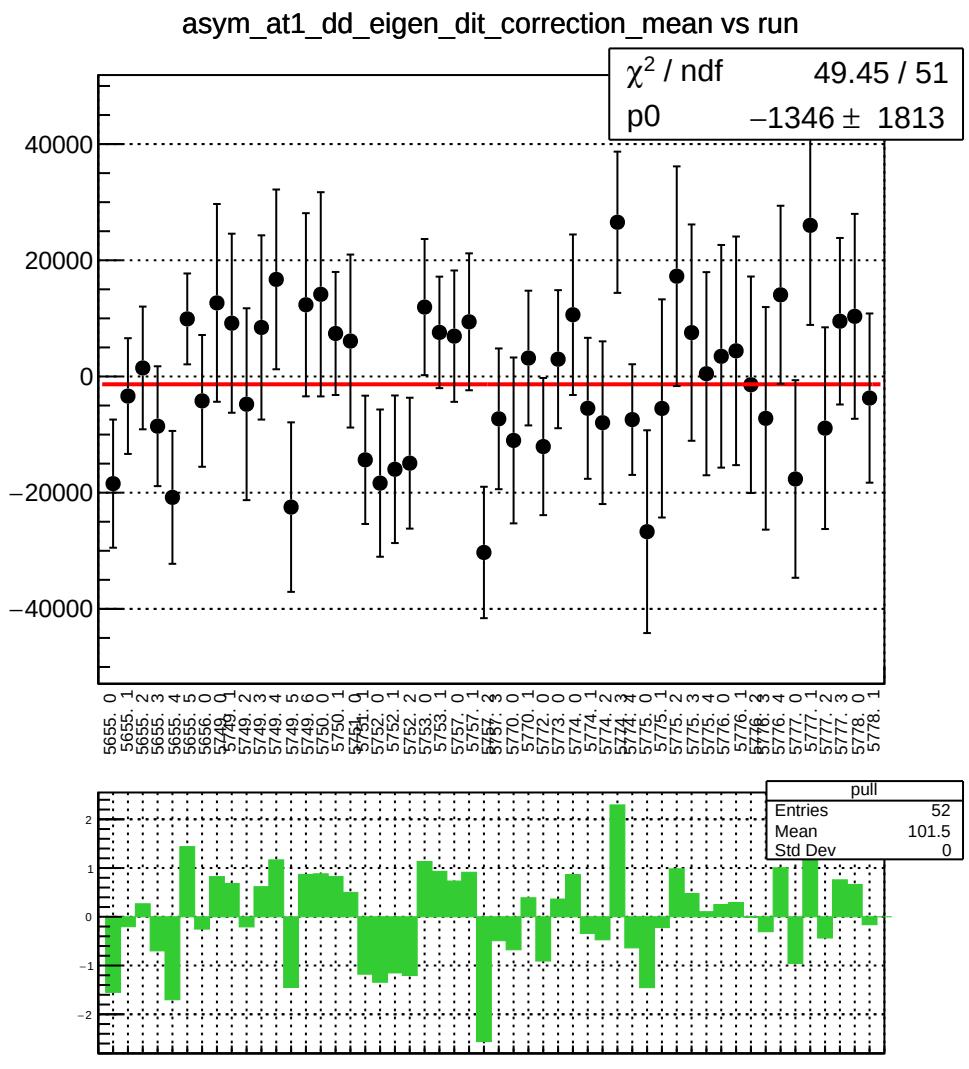
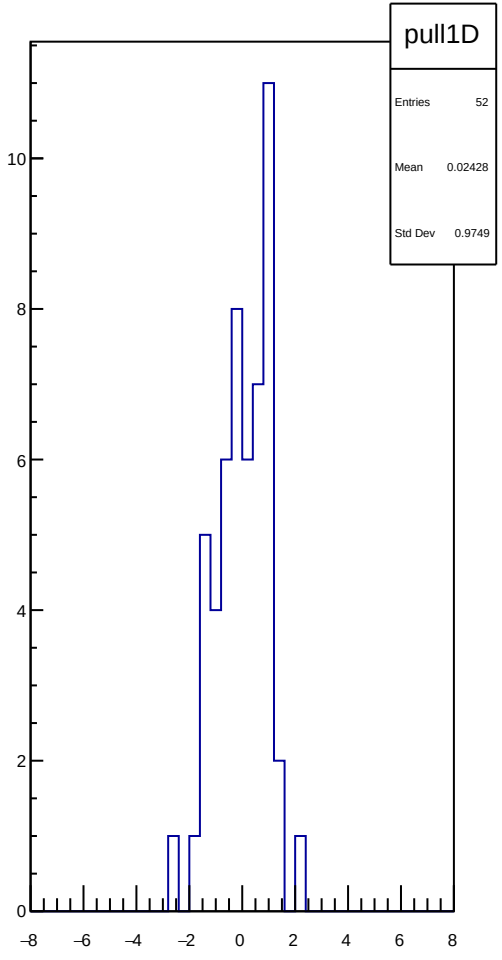
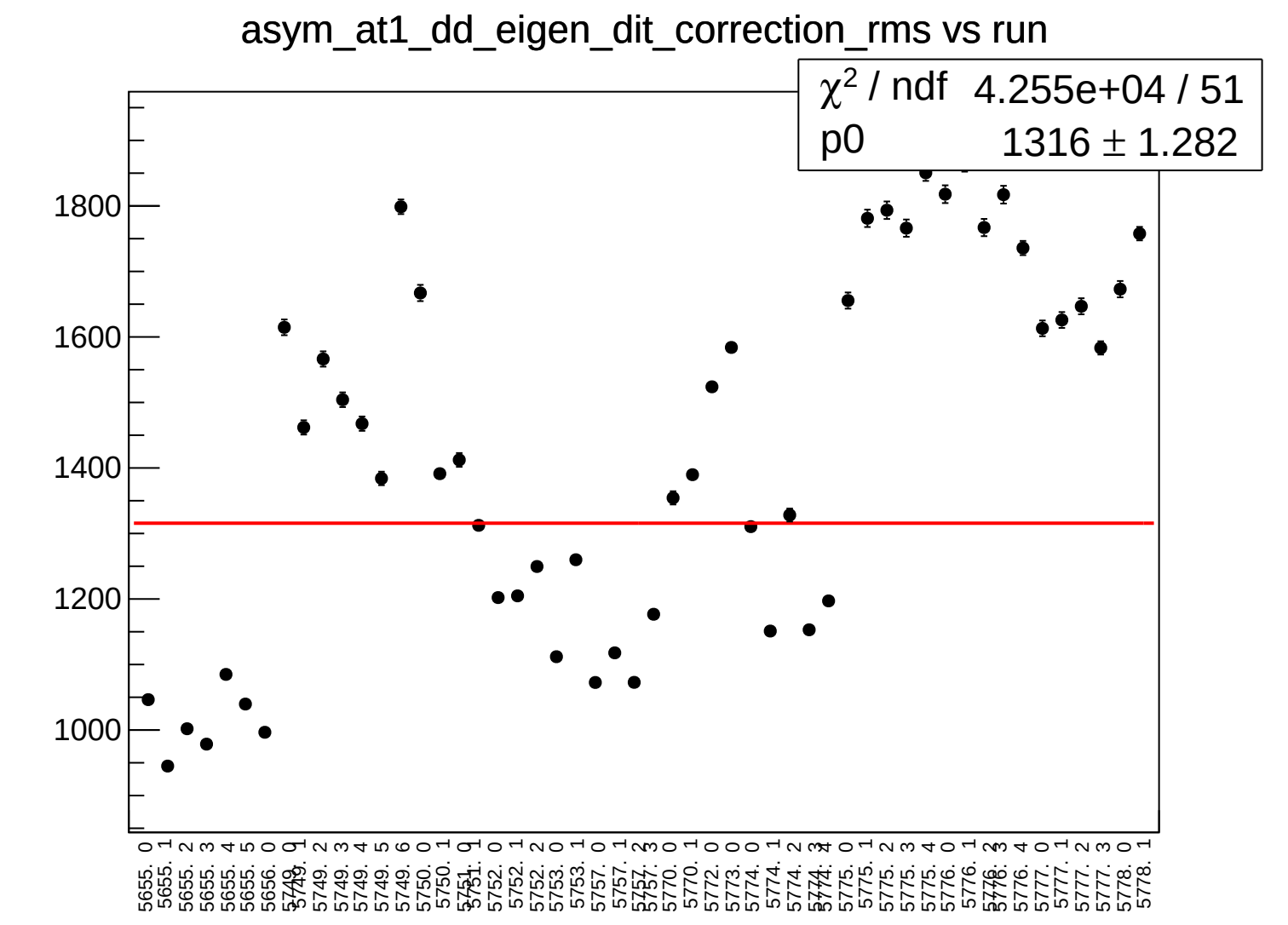

asym_at1_dd_eigen_dit_correction_mean vs run
χ² / ndf 49.45 / 51
p0 −1346 ± 1813
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 101.5
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.02428
Std Dev 0.9749
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 4.255e+04 / 51
p0 1316 ± 1.282
1800
1600
1400
1200
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5774. 0
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5774. 2
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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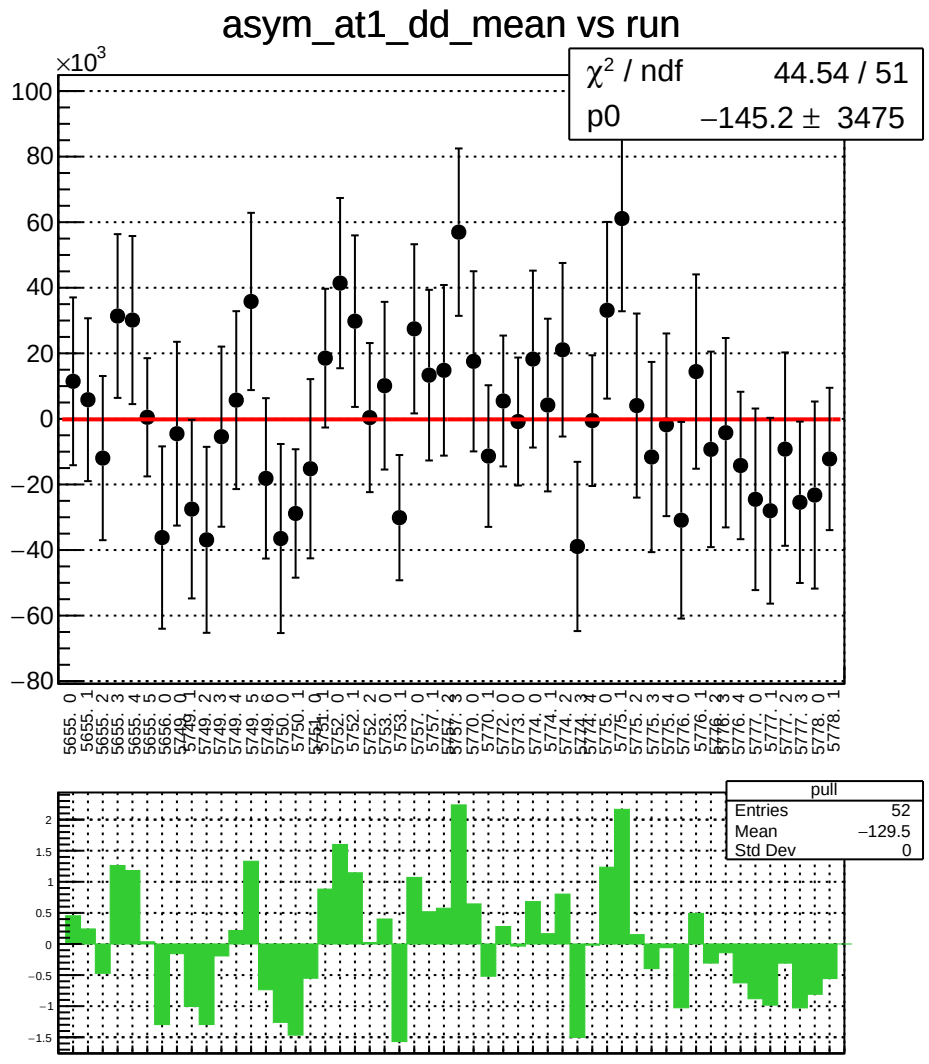
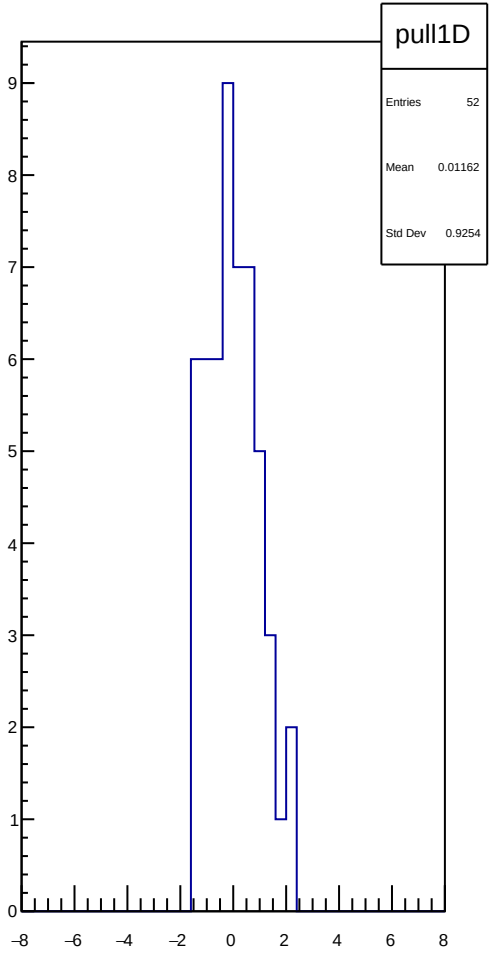
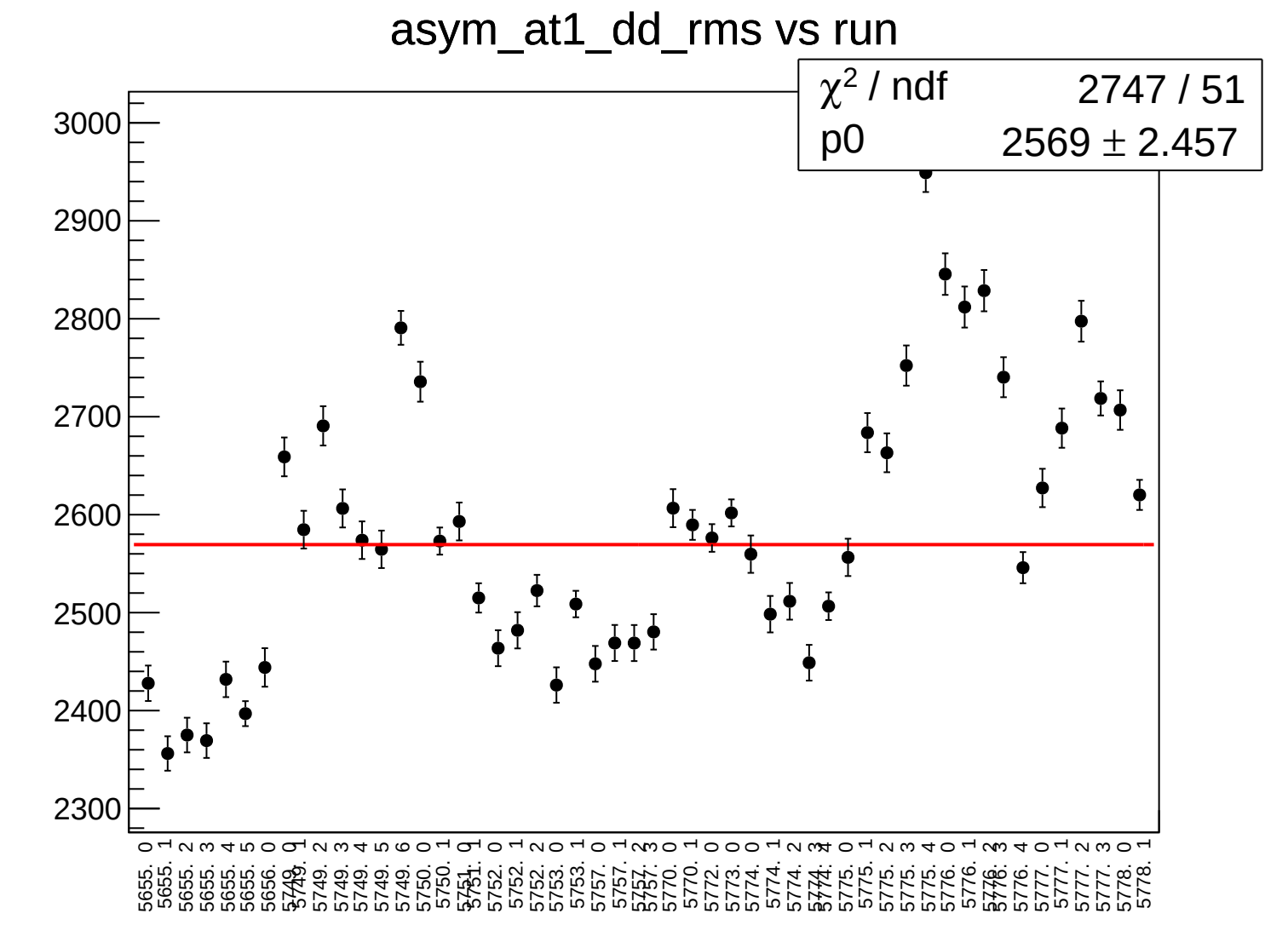
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_at1_dd_mean vs run
×10^3
χ² / ndf 44.54 / 51
p0 −145.2 ± 3475
pull
Entries 52
Mean −129.5
Std Dev 0


pull1D
Entries 52
Mean 0.01162
Std Dev 0.9254


asym_at1_dd_rms vs run
χ² / ndf 2747 / 51
p0 2569 ± 2.457
3000
2900
2800
2700
2600
2500
2400
2300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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5751. 1
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5752. 1
5752. 2
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5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
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5775. 4
5776. 0
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5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
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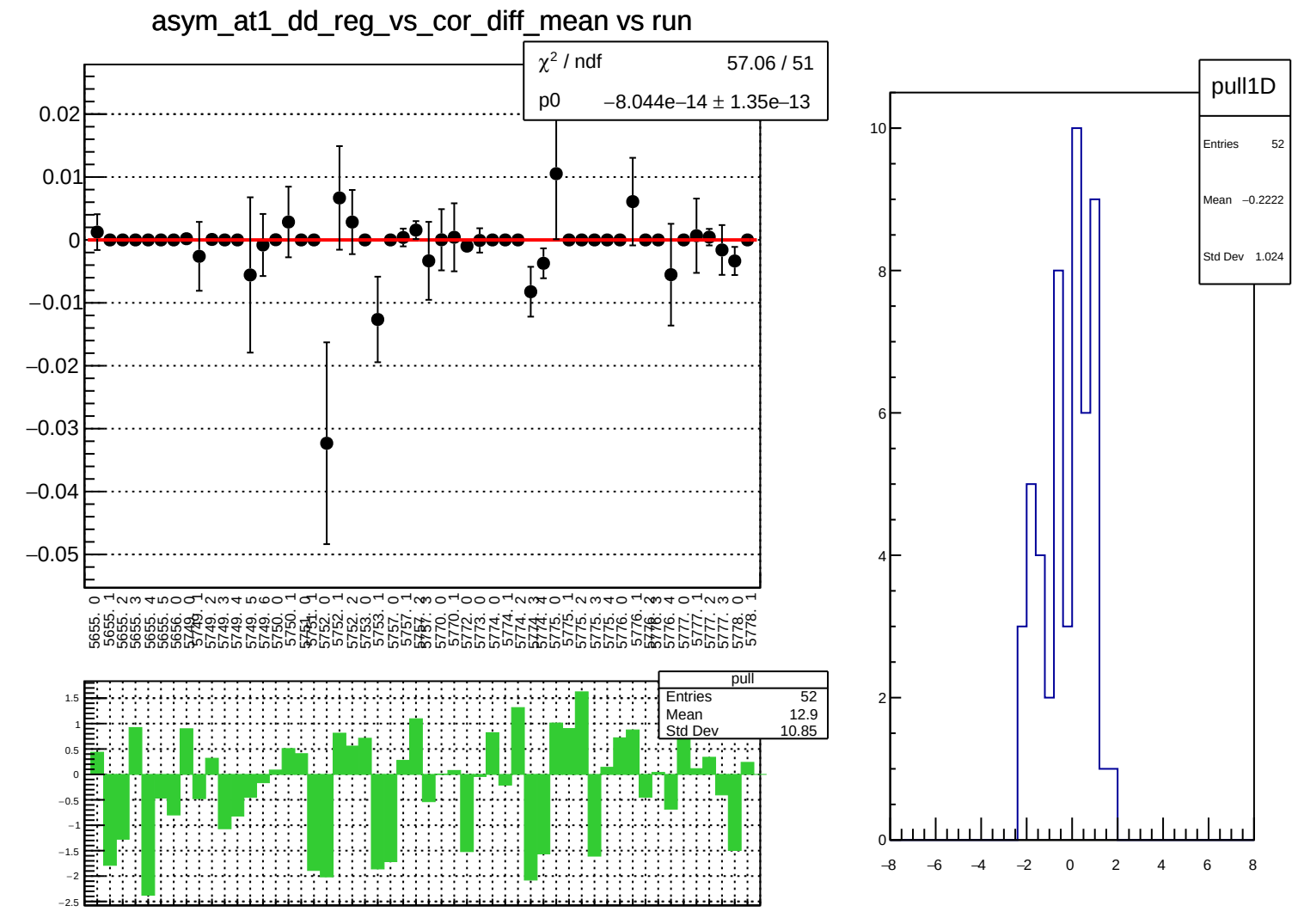
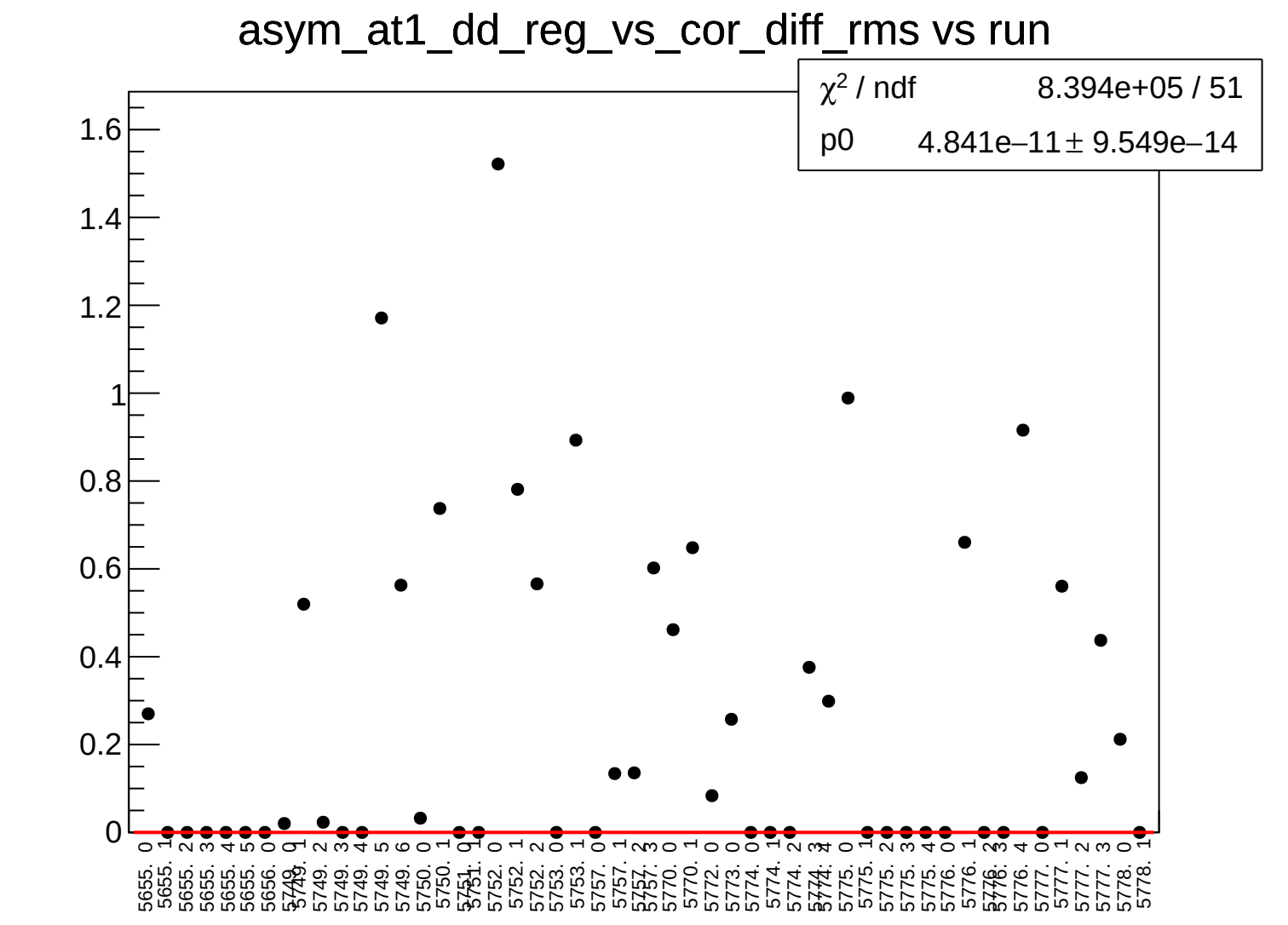
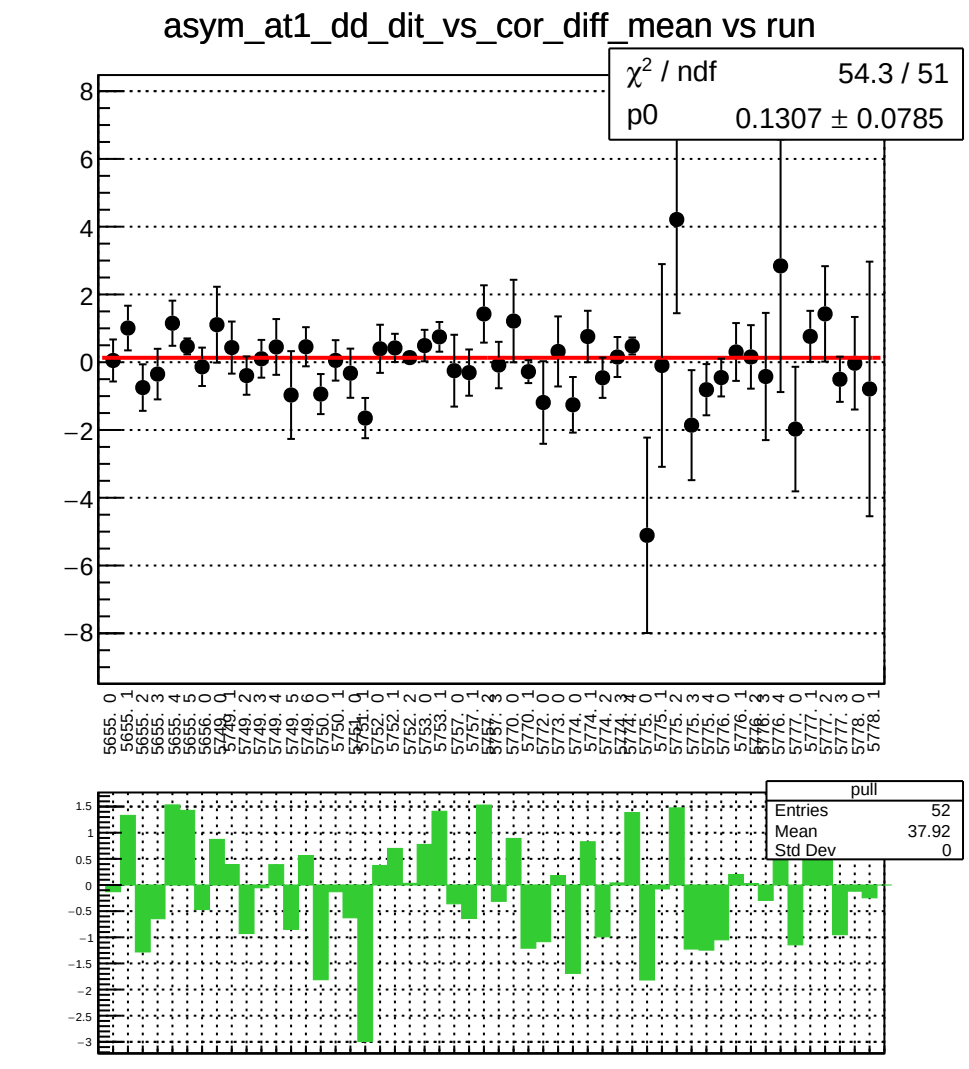
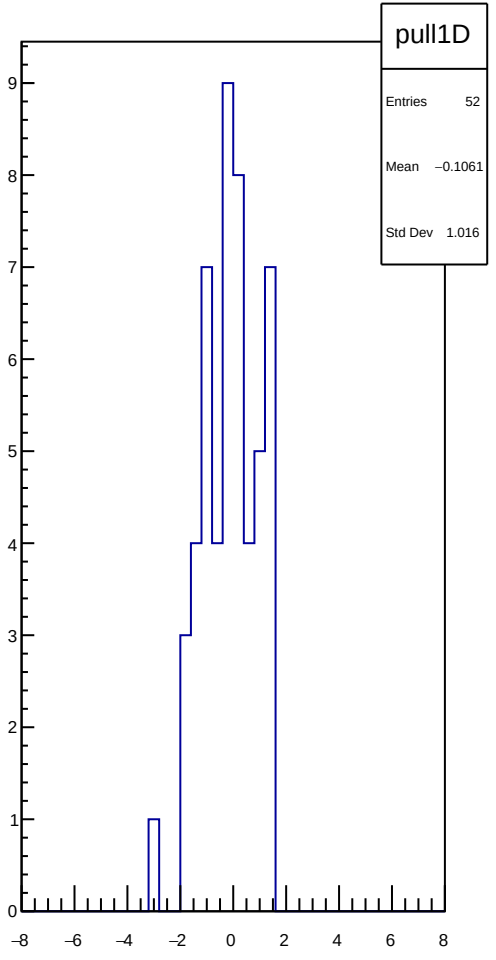
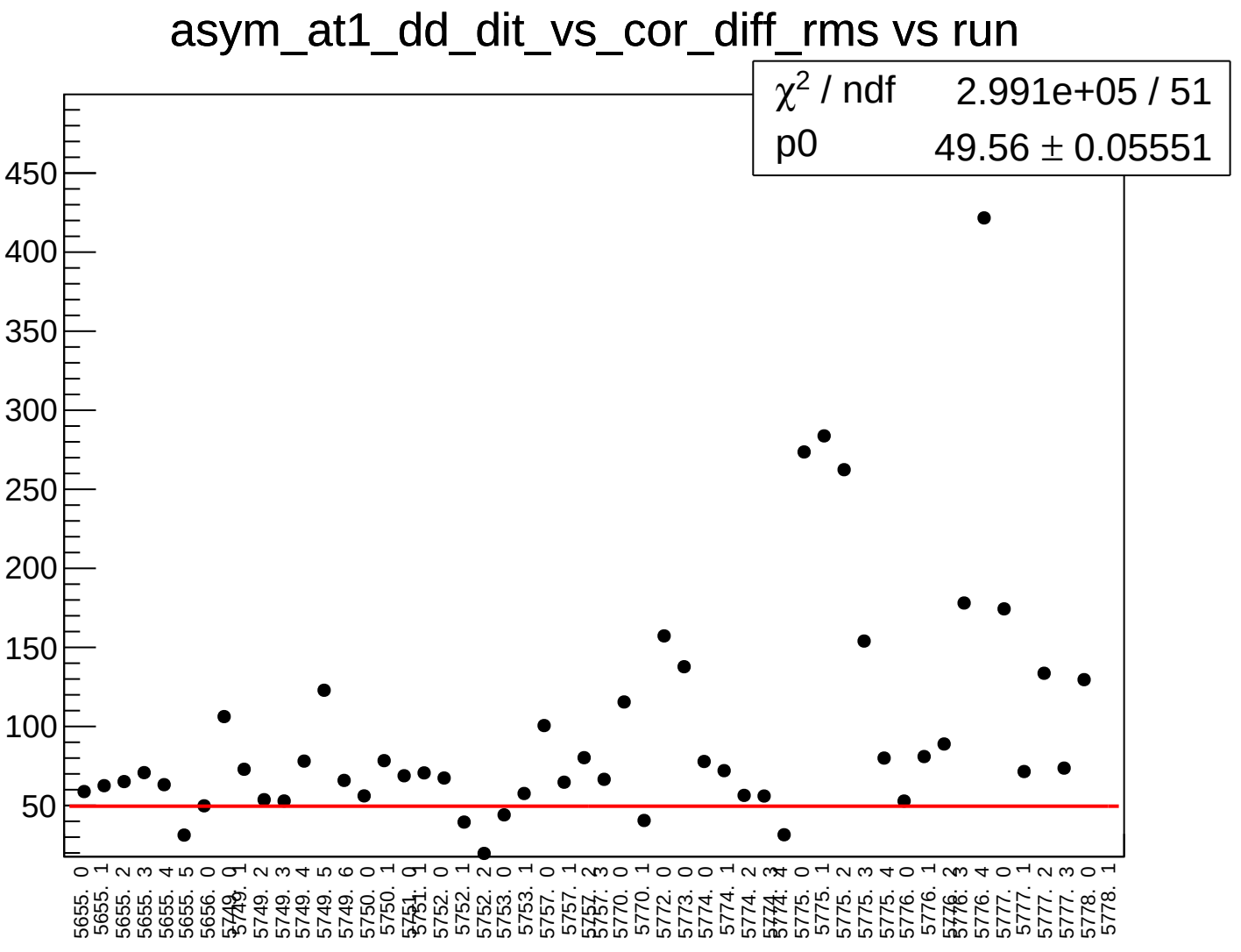
5778. 0
5778. 1


asym_at1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 57.06 / 51
p0 −8.044e−14 ± 1.35e−13
pull
Entries 52
Mean 12.9
Std Dev 10.85
pull1D
Entries 52
Mean −0.2222
Std Dev 1.024

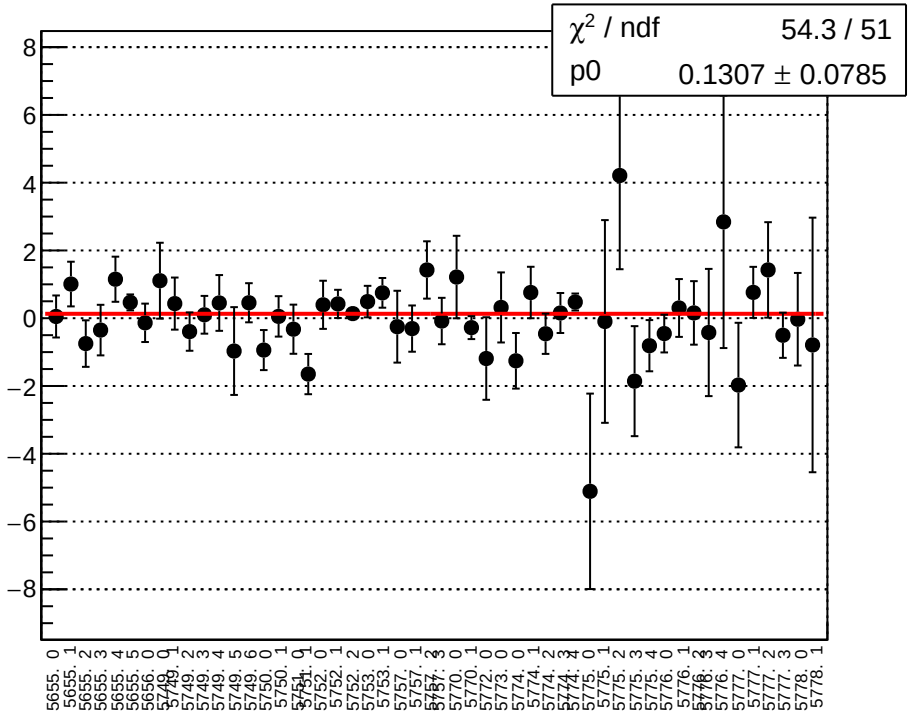

asym_at1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.394e+05 / 51
p0 4.841e−11 ± 9.549e−14
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

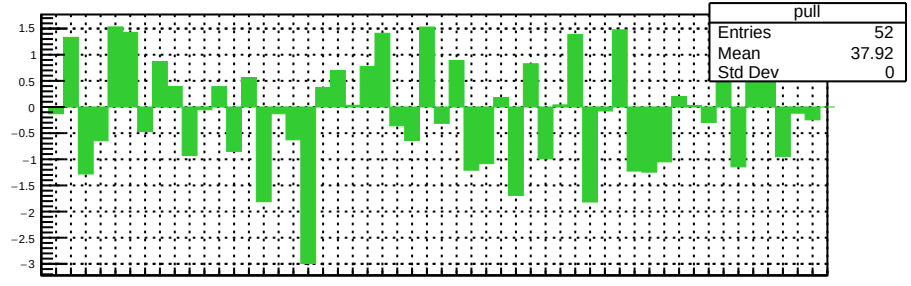

asym_at1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 54.3 / 51
p0 0.1307 ± 0.0785
pull
Entries 52
Mean 37.92
Std Dev 0

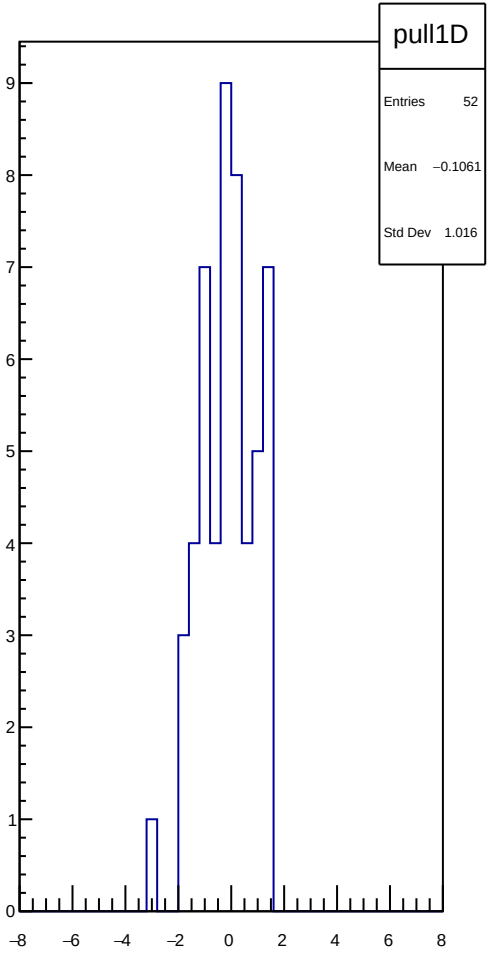

pull1D
Entries 52
Mean −0.1061
Std Dev 1.016

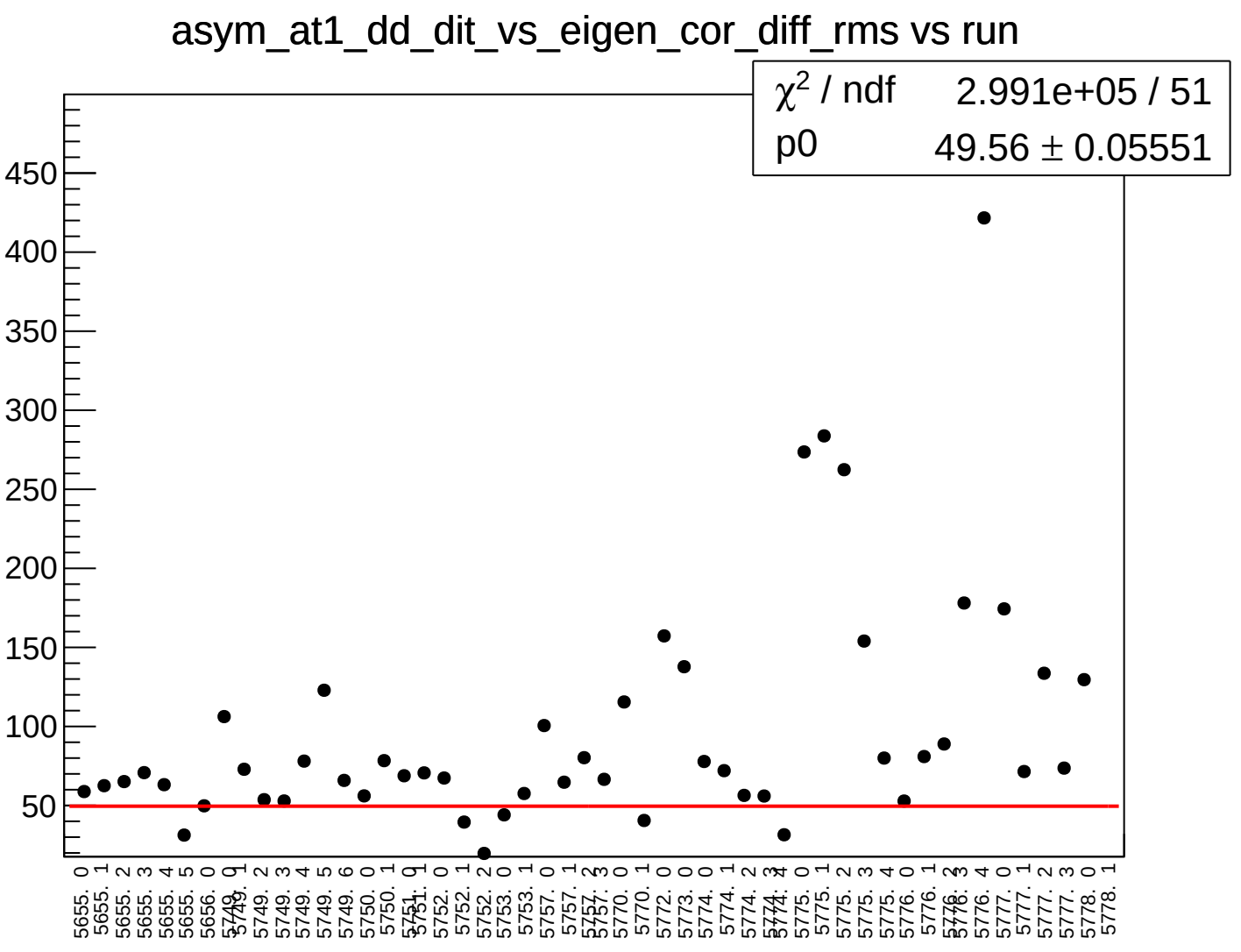

asym_at1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.991e+05 / 51
p0 49.56 ± 0.05551
450
400
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

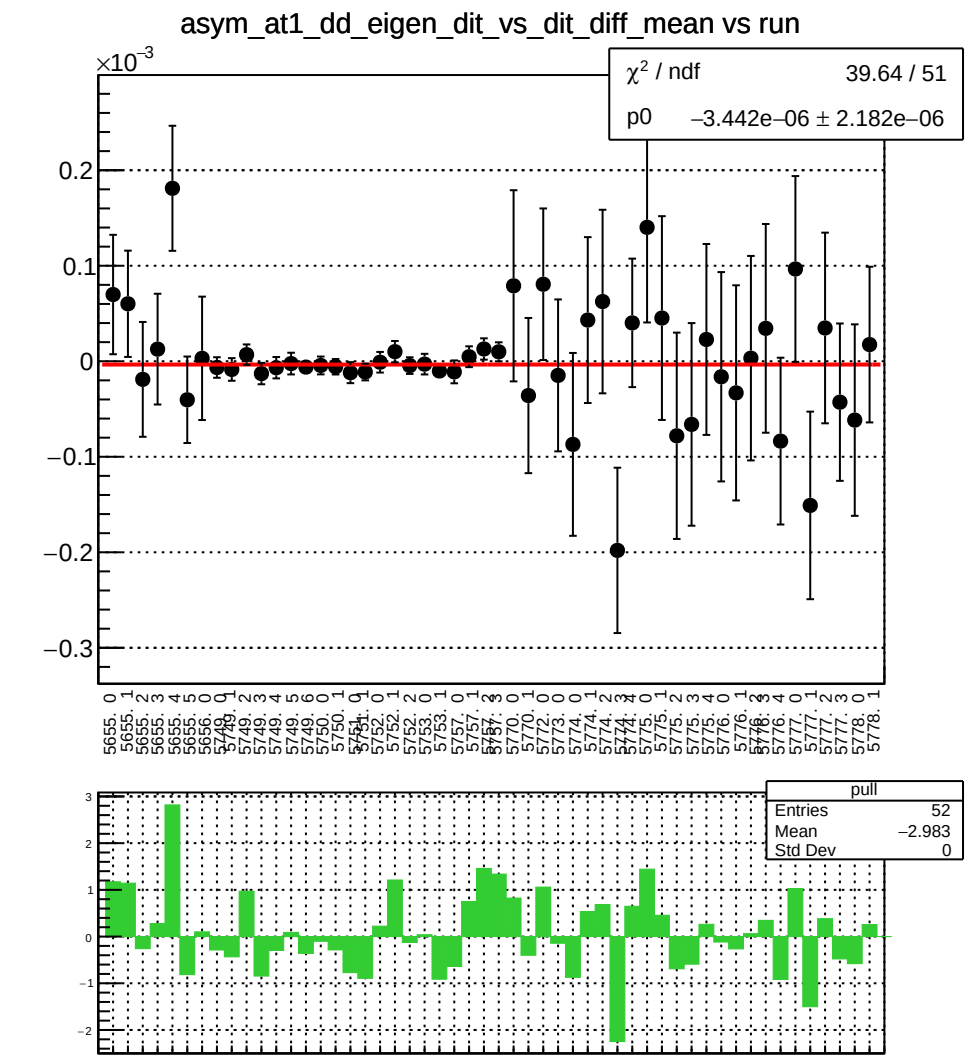
asym_at1_dd_dit_vs_eigen_cor_diff_mean vs run

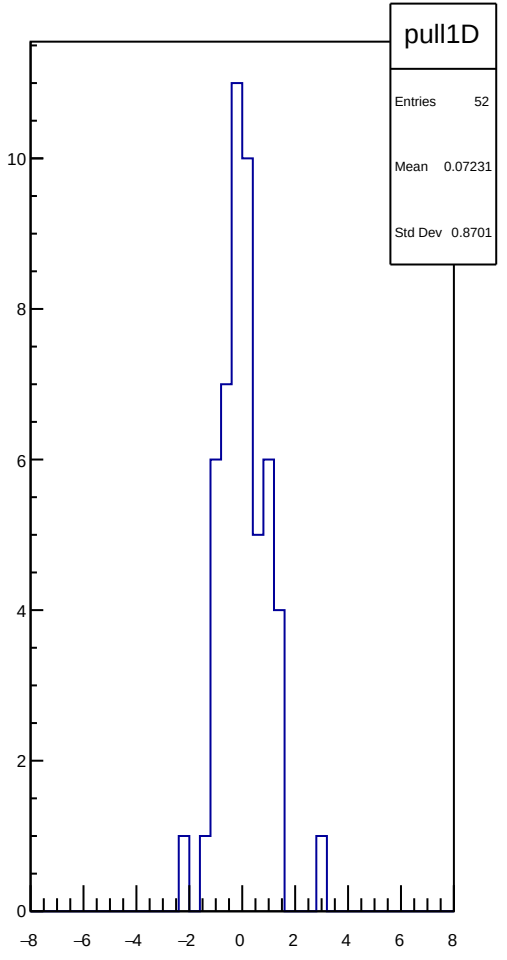


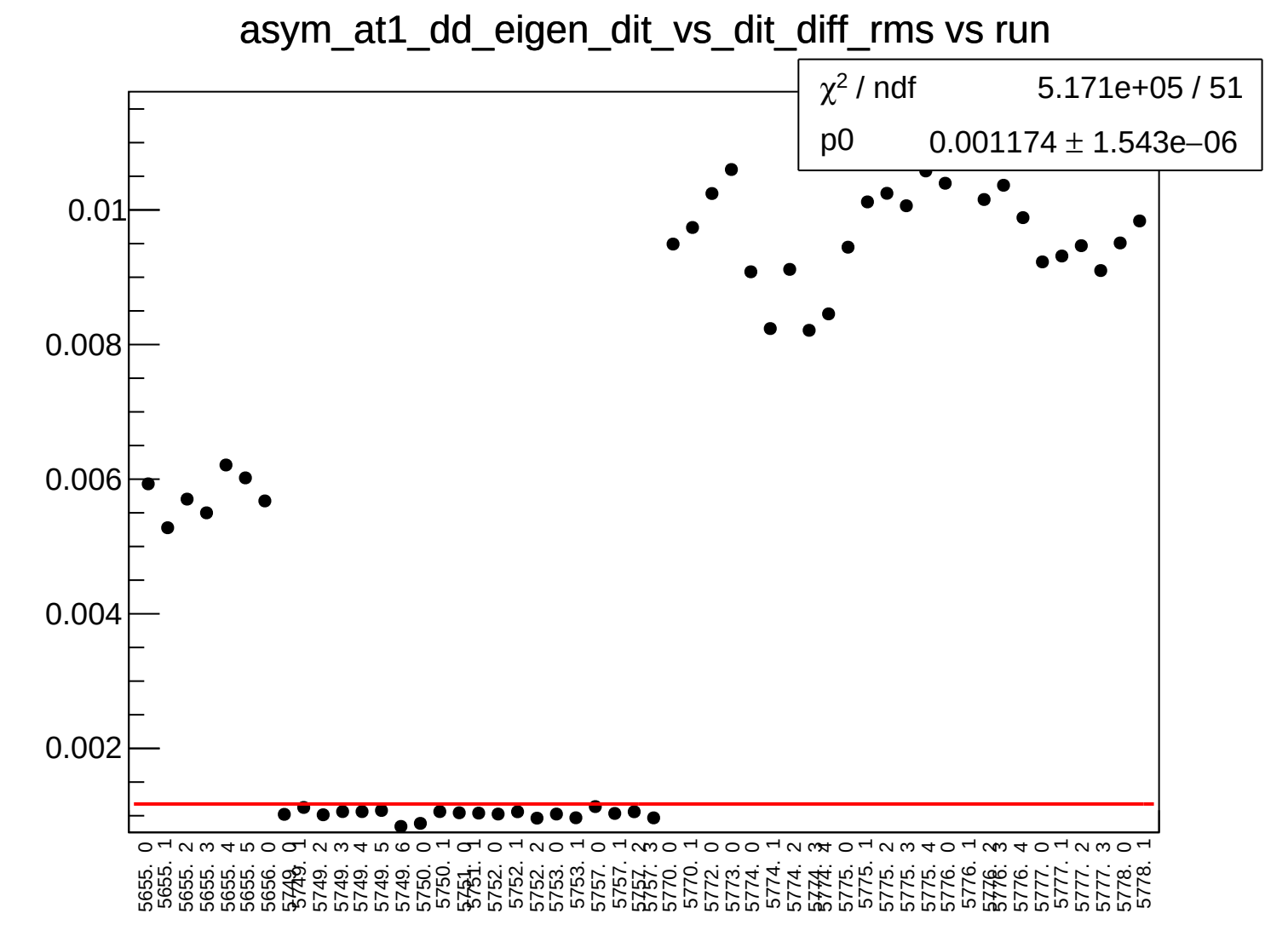




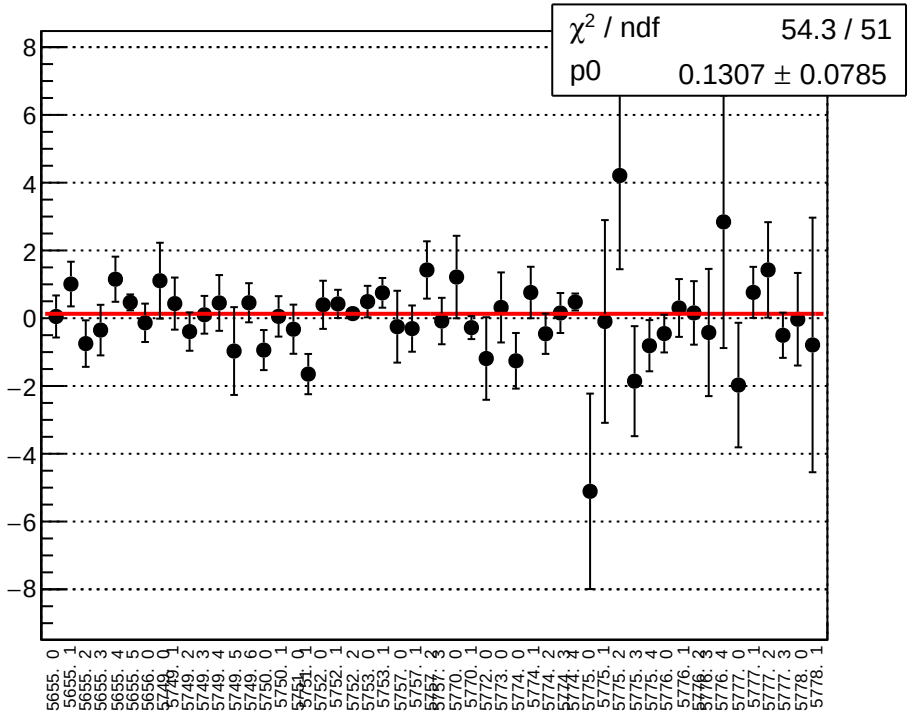

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.991e+05 / 51
p0 49.56 ± 0.05551
450
400
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

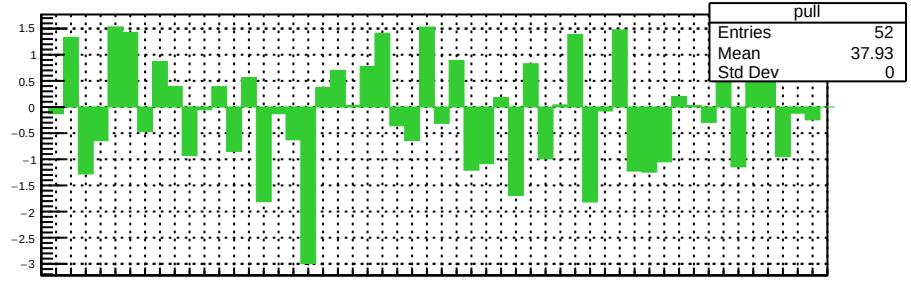

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 39.64 / 51
p0 −3.442e−06 ± 2.182e−06
pull
Entries 52
Mean −2.983
Std Dev 0

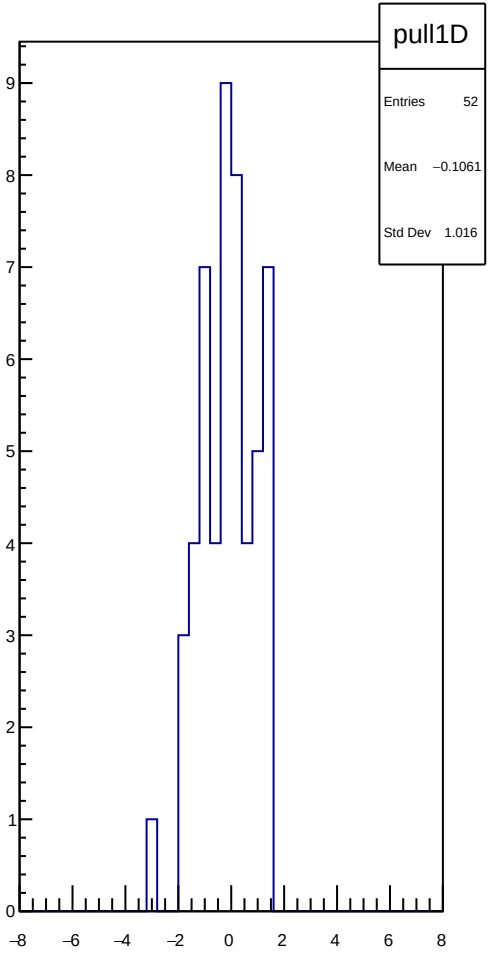

pull1D
Entries 52
Mean 0.07231
Std Dev 0.8701

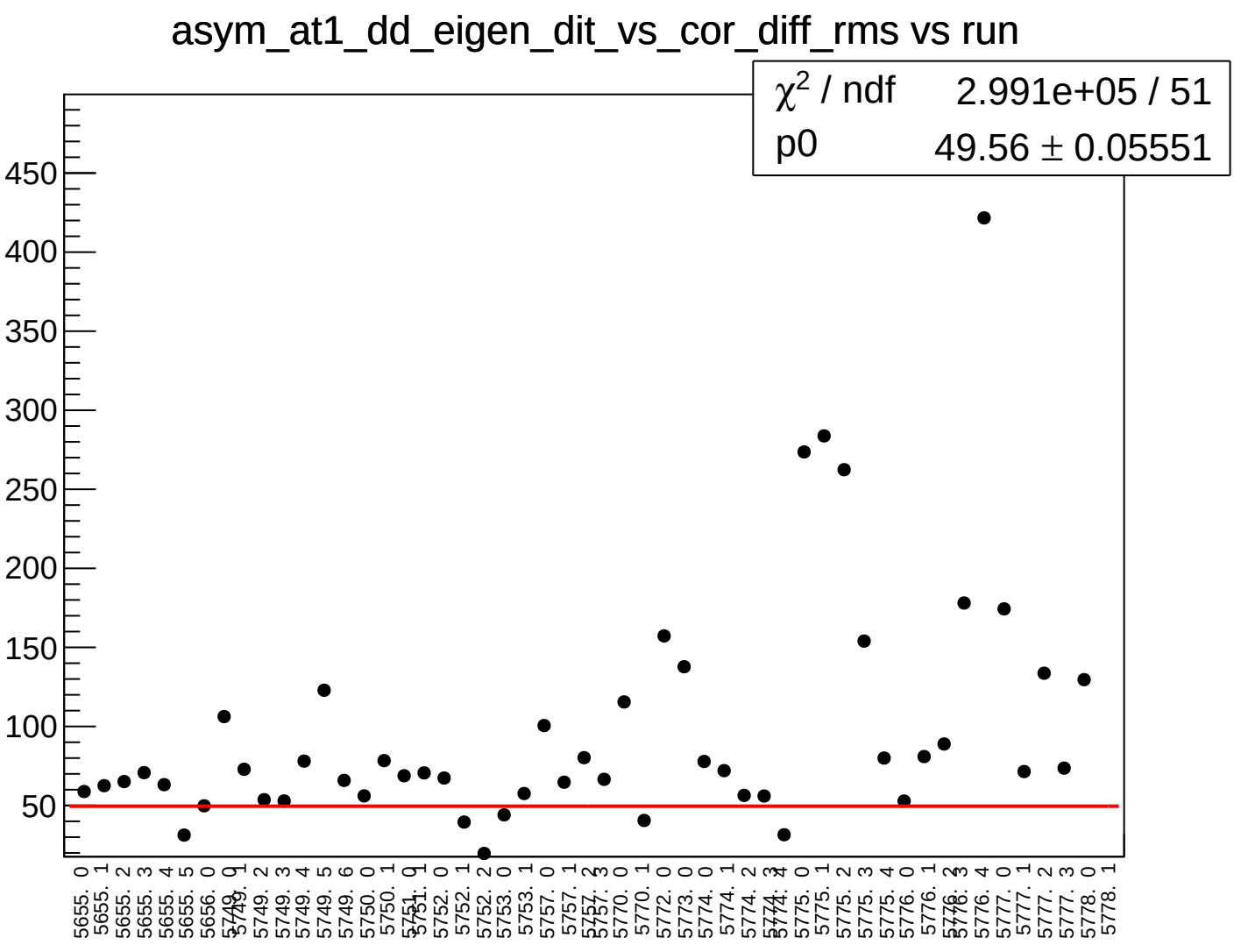

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.171e+05 / 51
p0 0.001174 ± 1.543e−06
0.01
0.008
0.006
0.004
0.002
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

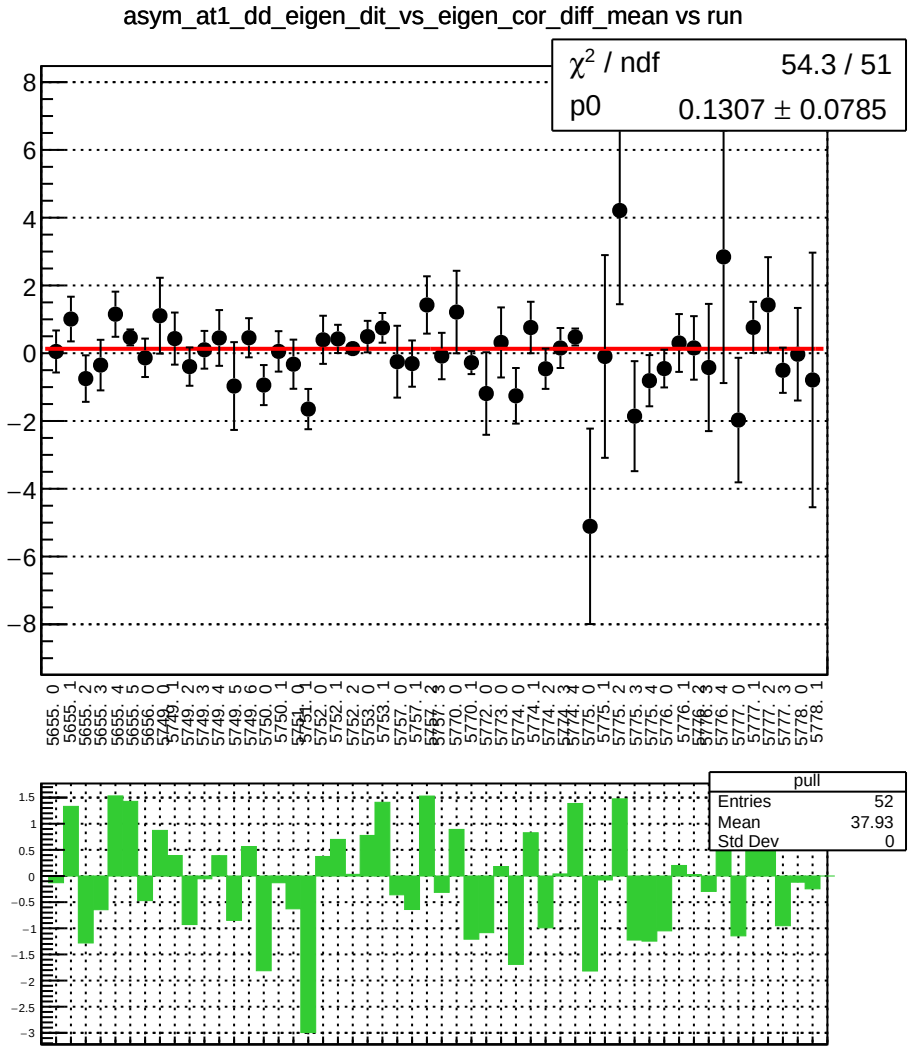
asym_at1_dd_eigen_dit_vs_cor_diff_mean vs run

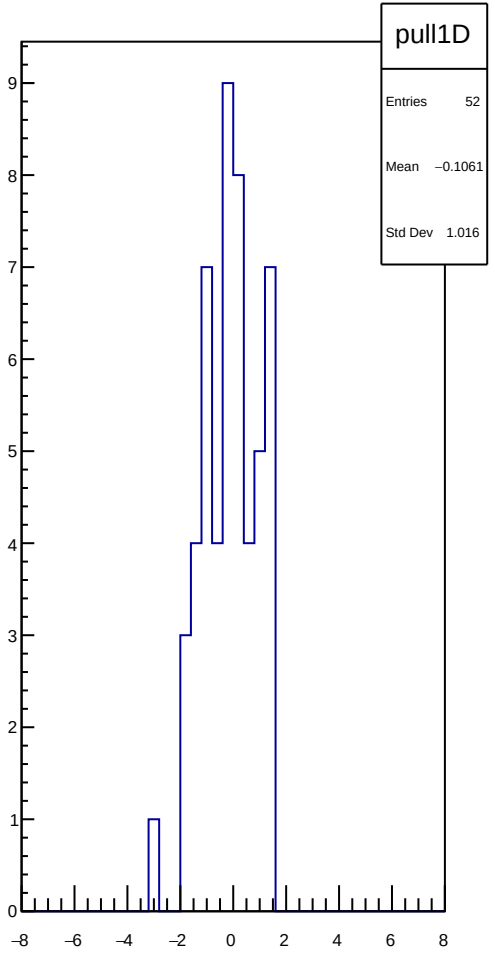


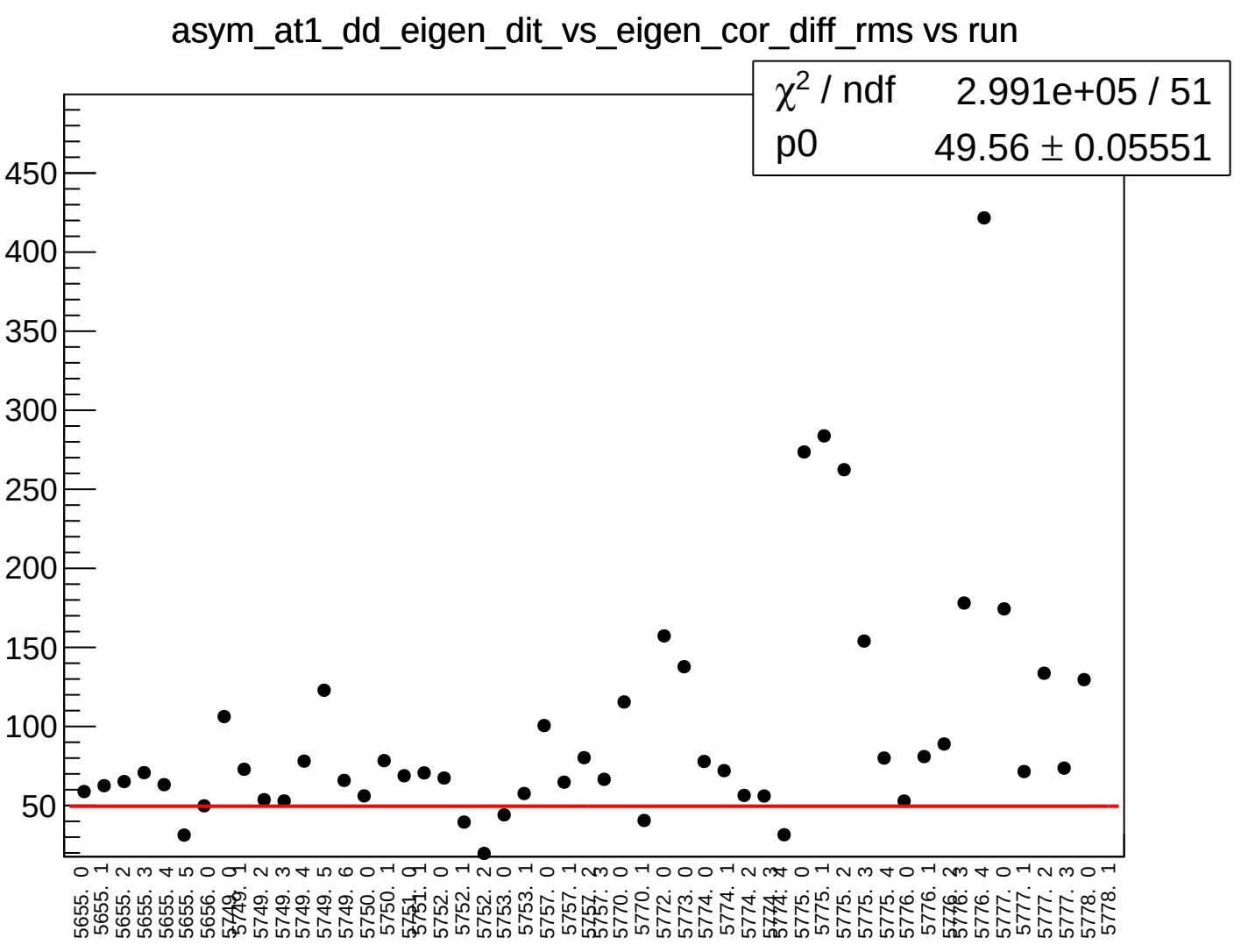


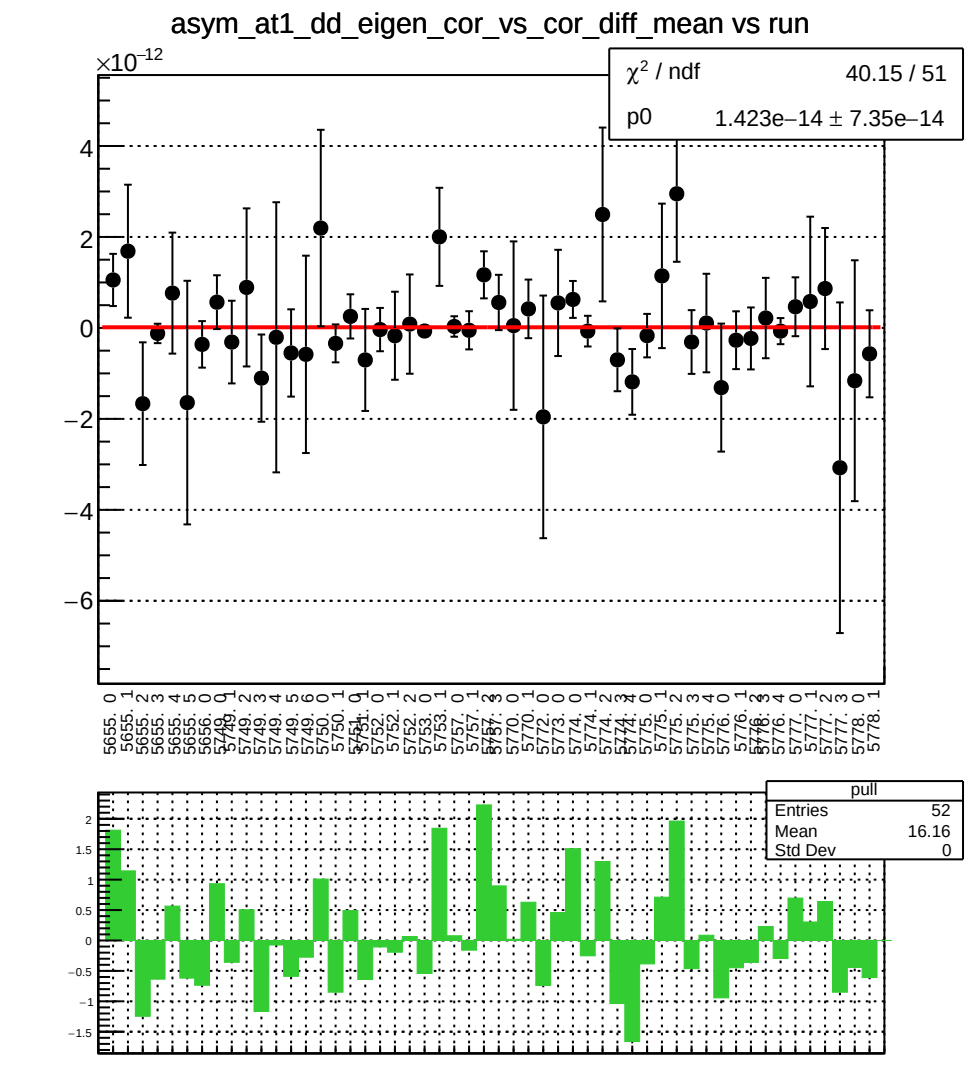


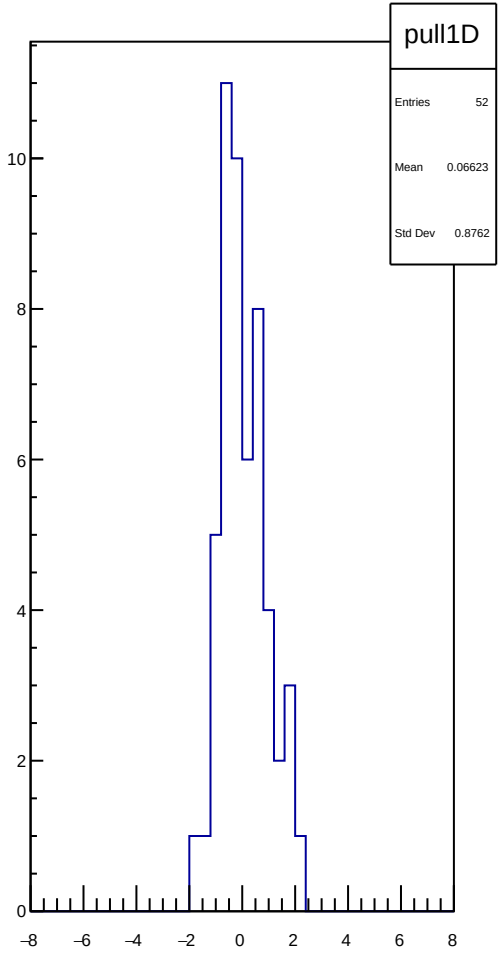

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.991e+05 / 51
p0 49.56 ± 0.05551
450
400
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

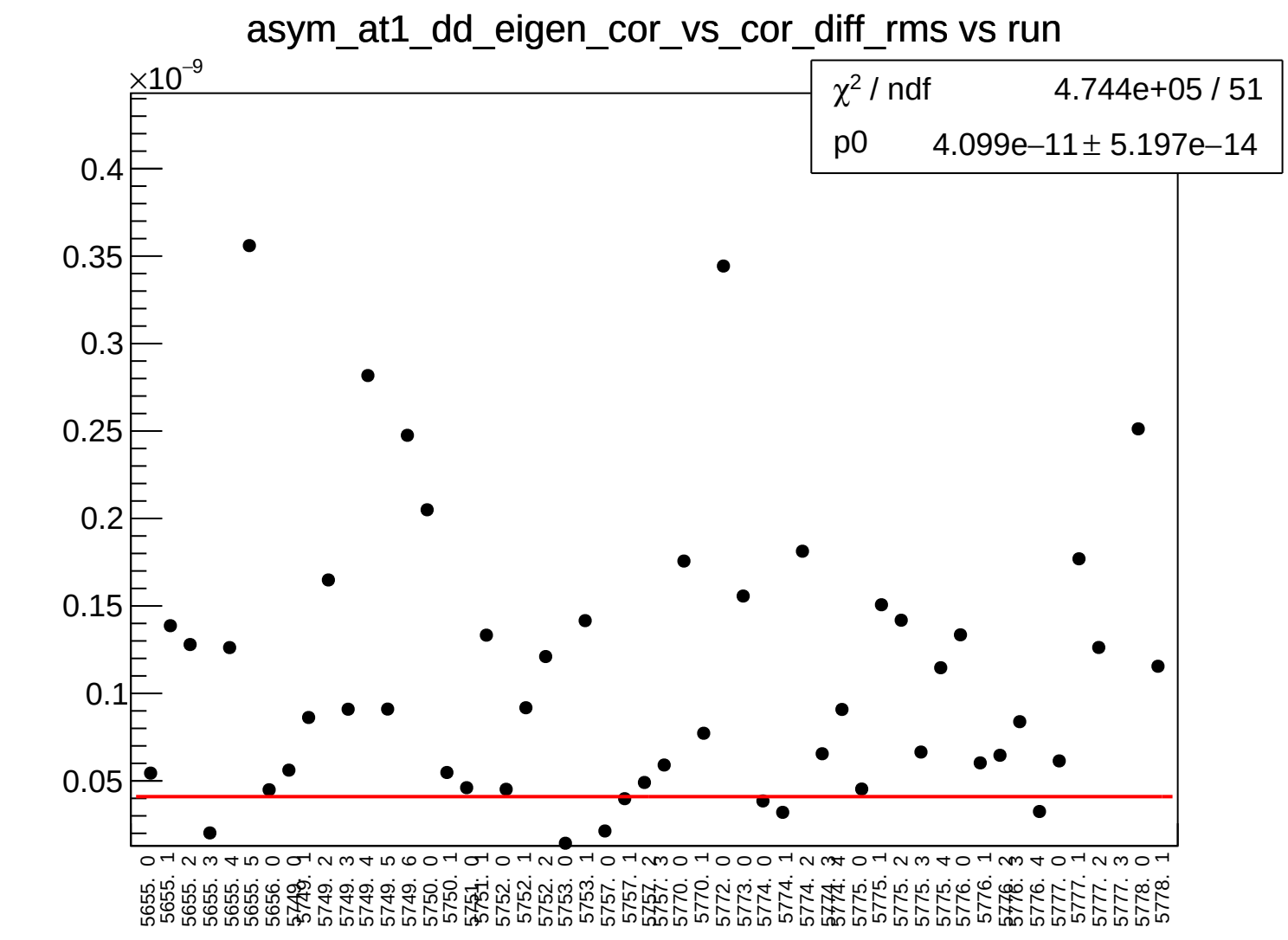

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.3 / 51
p0 0.1307 ± 0.0785
pull
Entries 52
Mean 37.93
Std Dev 0

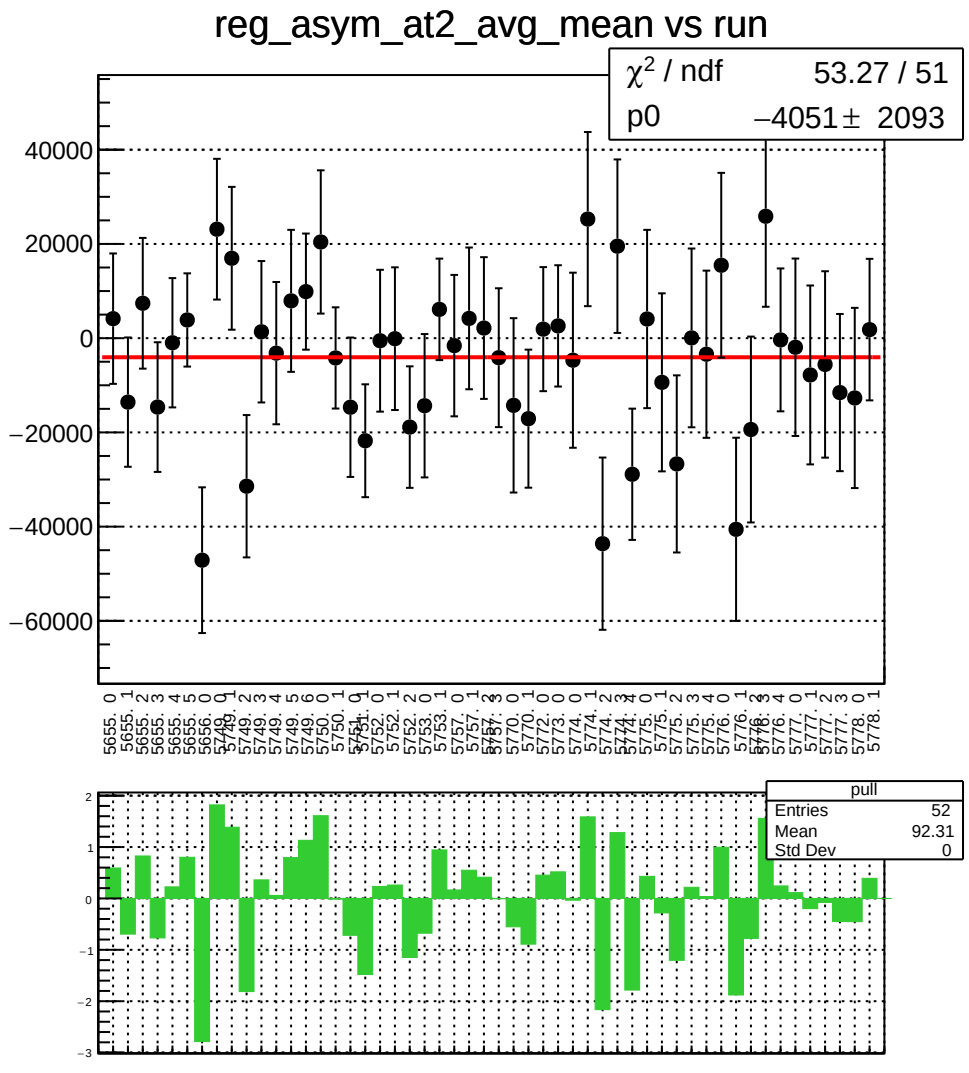

pull1D
Entries 52
Mean −0.1061
Std Dev 1.016

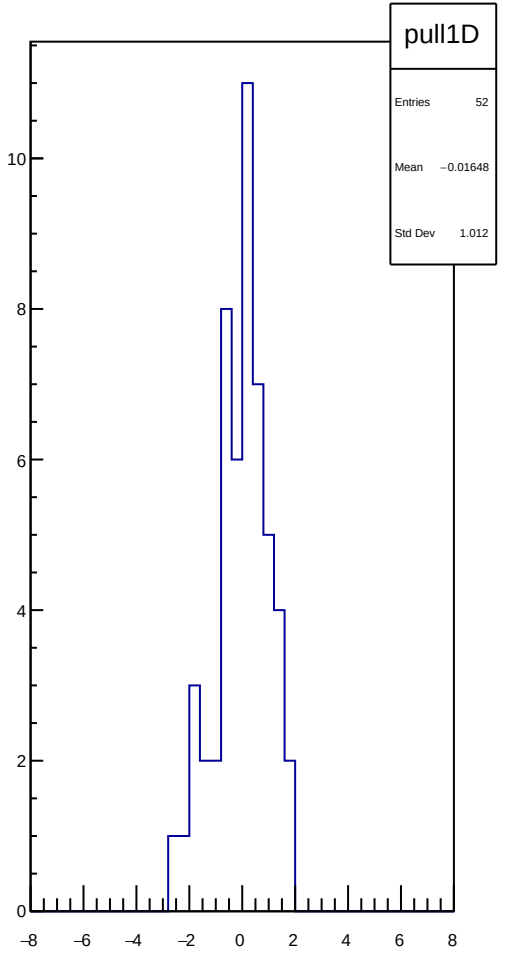

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.991e+05 / 51
p0 49.56 ± 0.05551
450
400
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

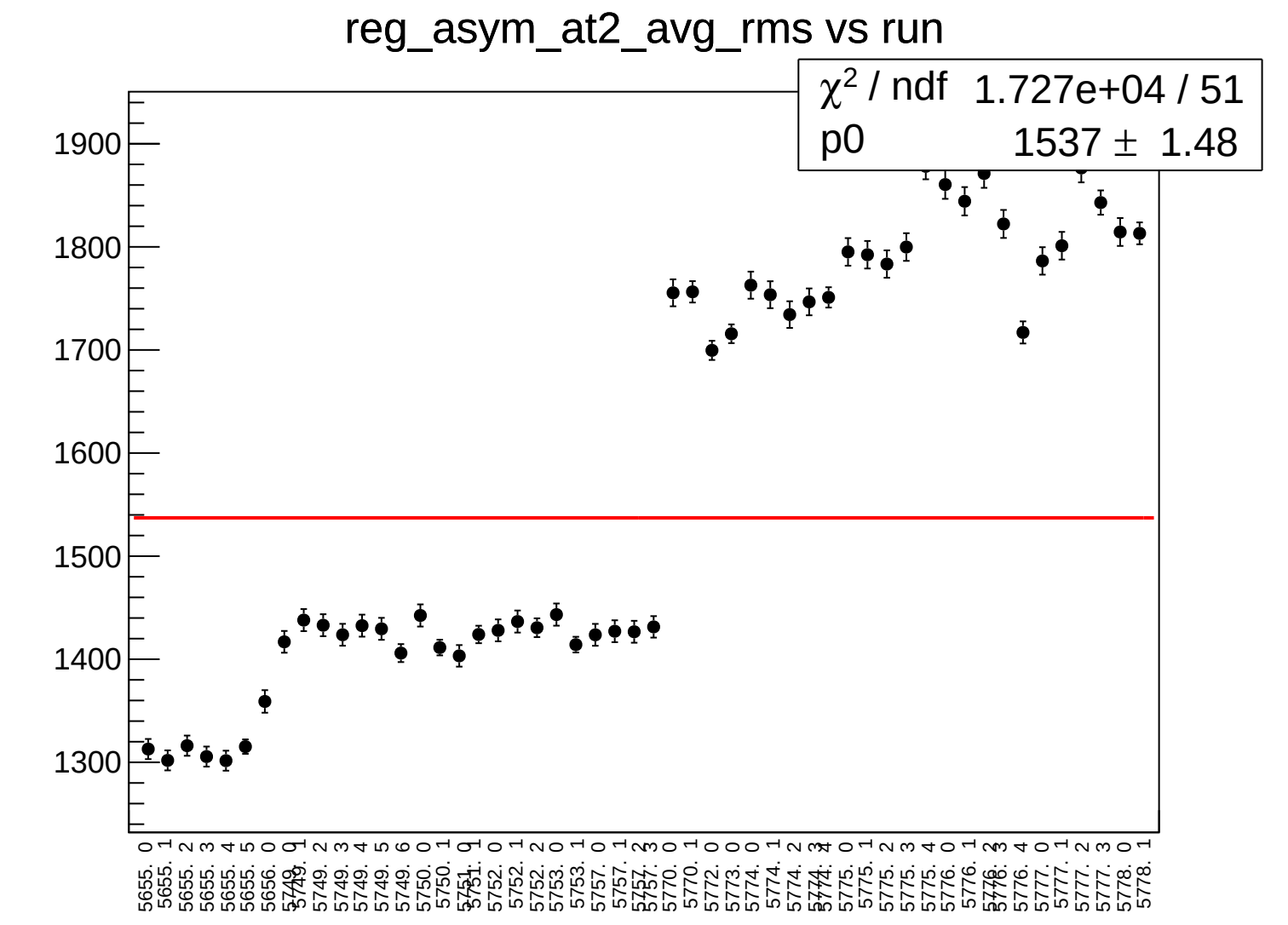

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 40.15 / 51
p0 1.423e−14 ± 7.35e−14
pull
Entries 52
Mean 16.16
Std Dev 0

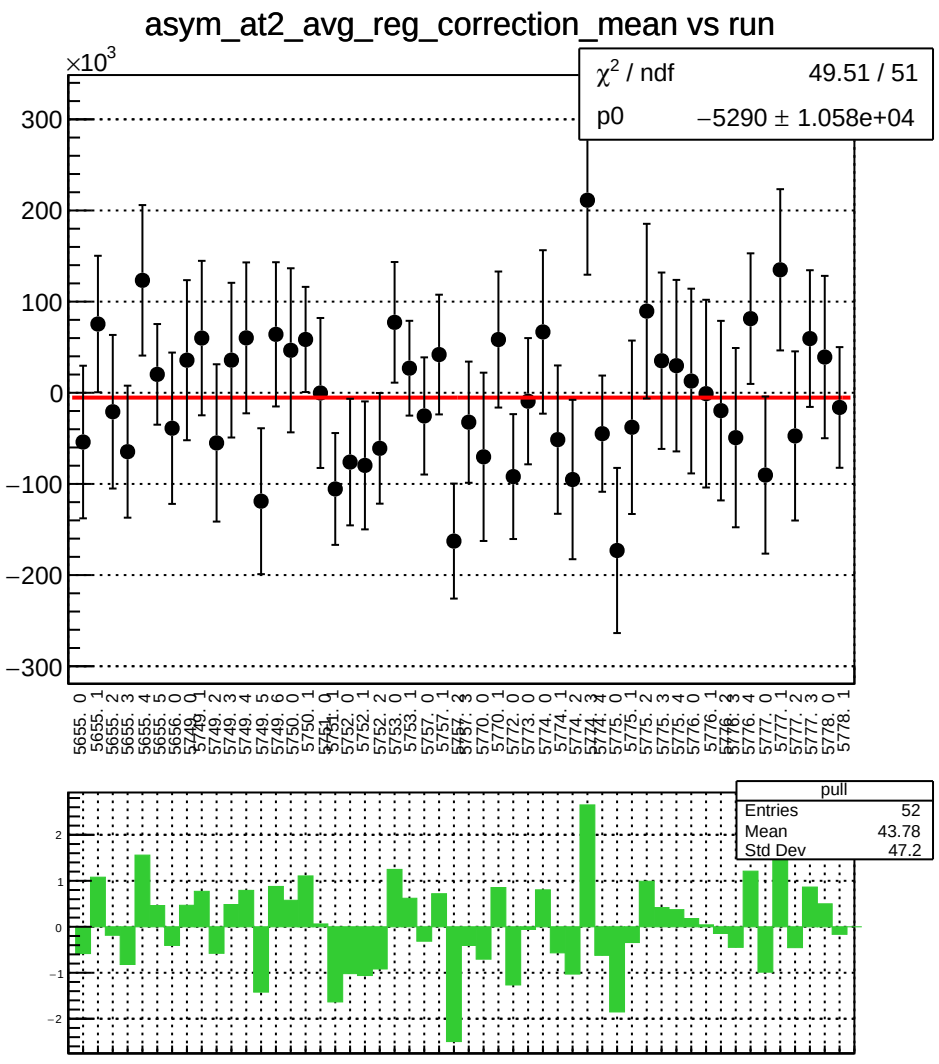

pull1D
Entries 52
Mean 0.06623
Std Dev 0.8762

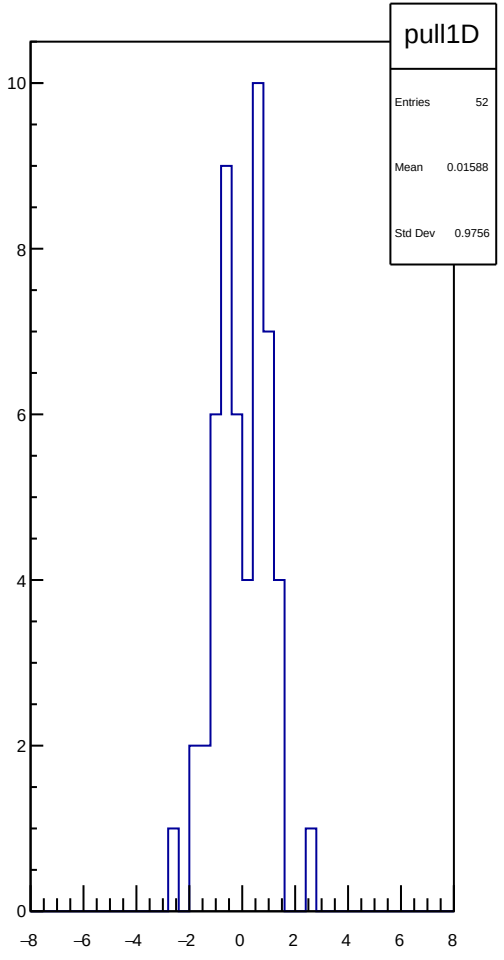

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.744e+05 / 51
p0 4.099e−11 ± 5.197e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

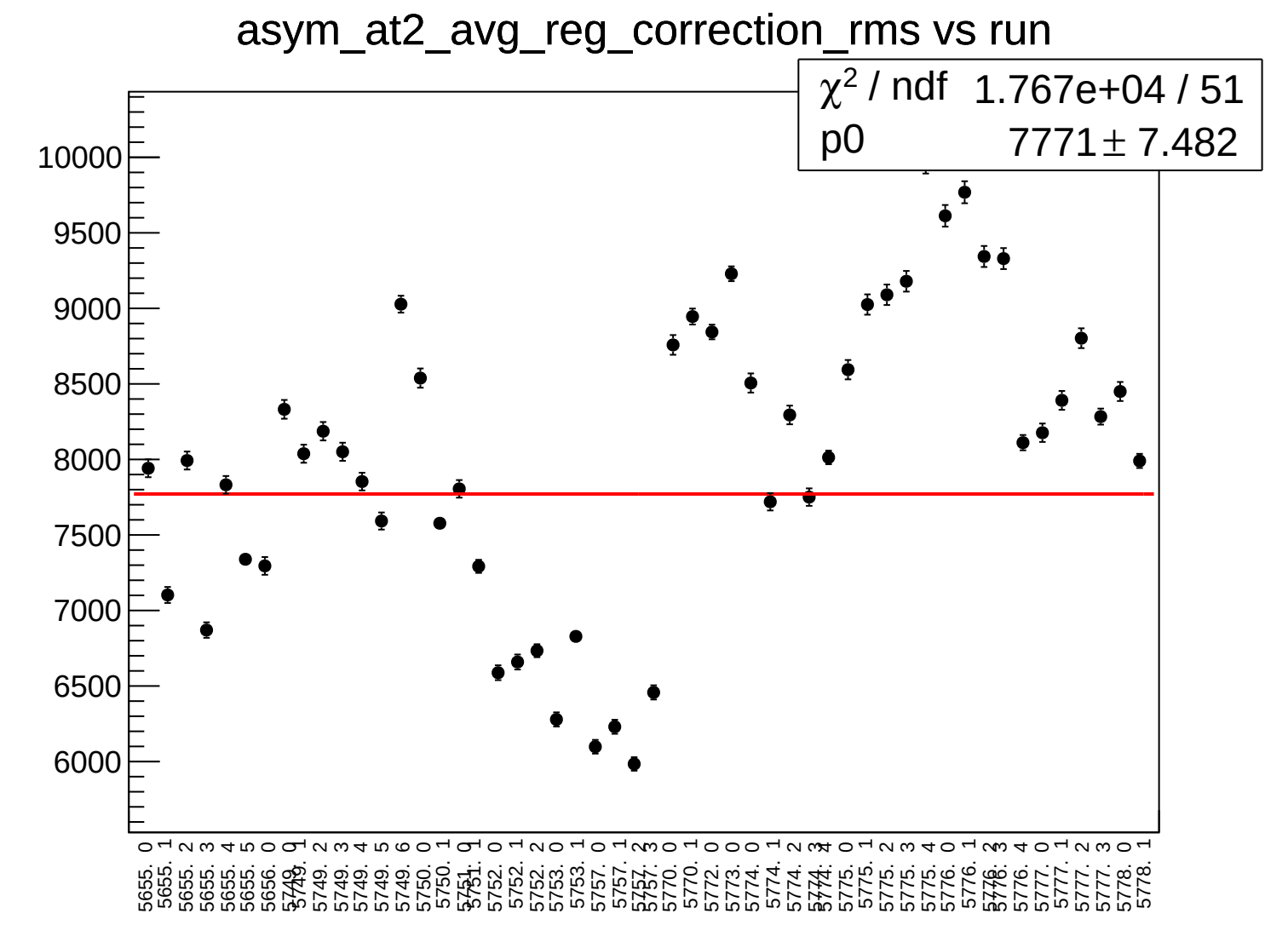

reg_asym_at2_avg_mean vs run
χ² / ndf 53.27 / 51
p0 −4051 ± 2093
pull
Entries 52
Mean 92.31
Std Dev 0

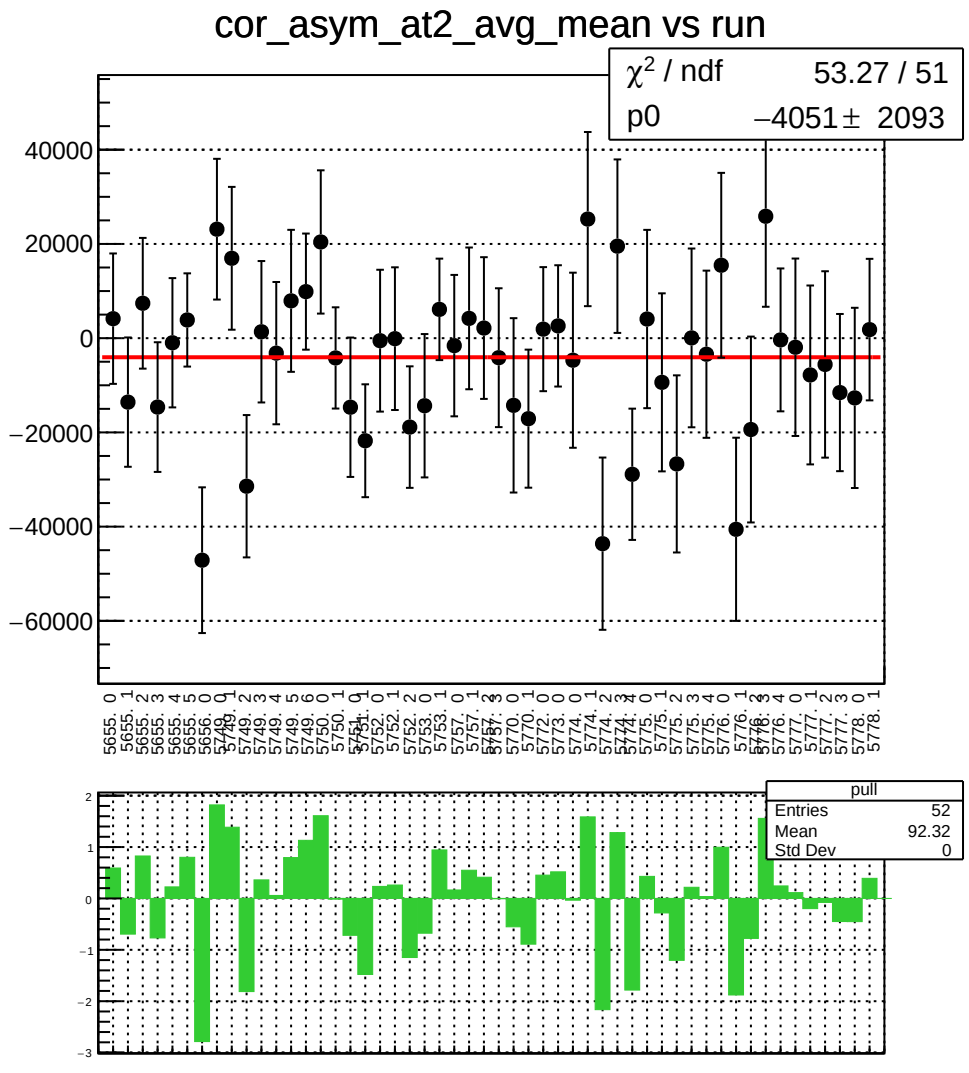

pull1D
Entries 52
Mean −0.01648
Std Dev 1.012

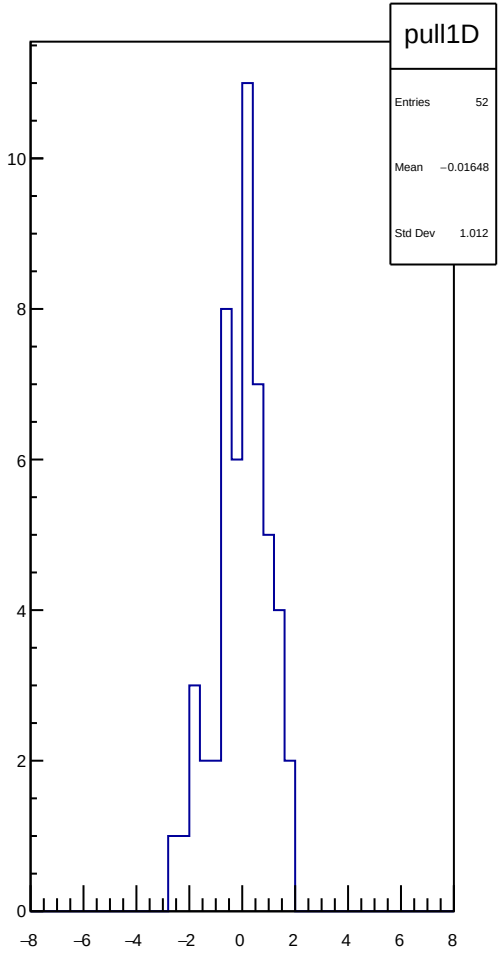

reg_asym_at2_avg_rms vs run
χ² / ndf 1.727e+04 / 51
p0 1537 ± 1.48
1900
1800
1700
1600
1500
1400
1300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

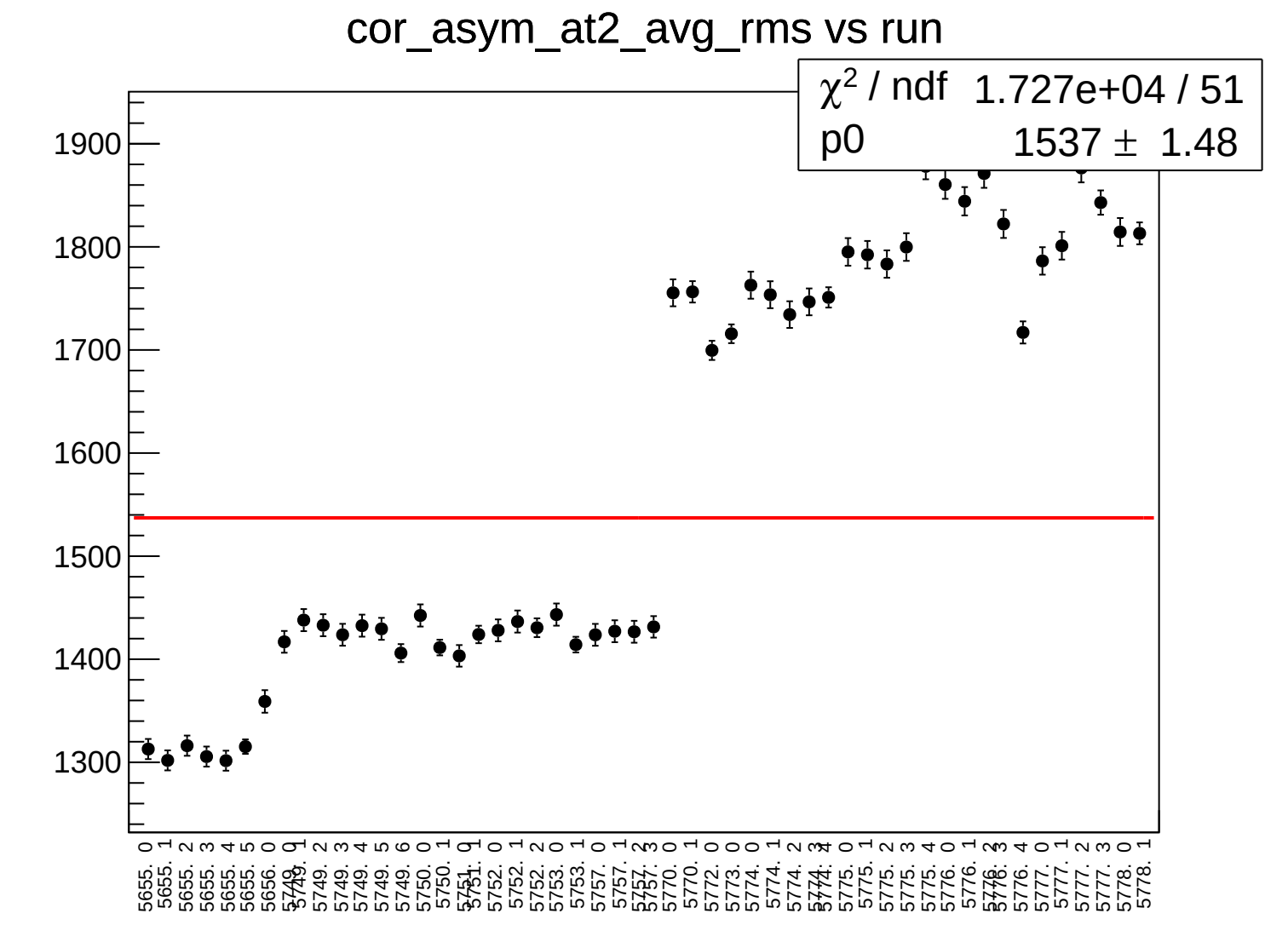

asym_at2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 49.51 / 51
p0 −5290 ± 1.058e+04
pull
Entries 52
Mean 43.78
Std Dev 47.2


pull1D
Entries 52
Mean 0.01588
Std Dev 0.9756


asym_at2_avg_reg_correction_rms vs run
χ² / ndf 1.767e+04 / 51
p0 7771 ± 7.482
10000
9500
9000
8500
8000
7500
7000
6500
6000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_at2_avg_mean vs run
χ² / ndf 53.27 / 51
p0 −4051 ± 2093
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 92.32
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.01648
Std Dev 1.012
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_at2_avg_rms vs run
χ² / ndf 1.727e+04 / 51
p0 1537 ± 1.48
1900
1800
1700
1600
1500
1400
1300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
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5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
5777. 0
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5777. 2
5777. 3
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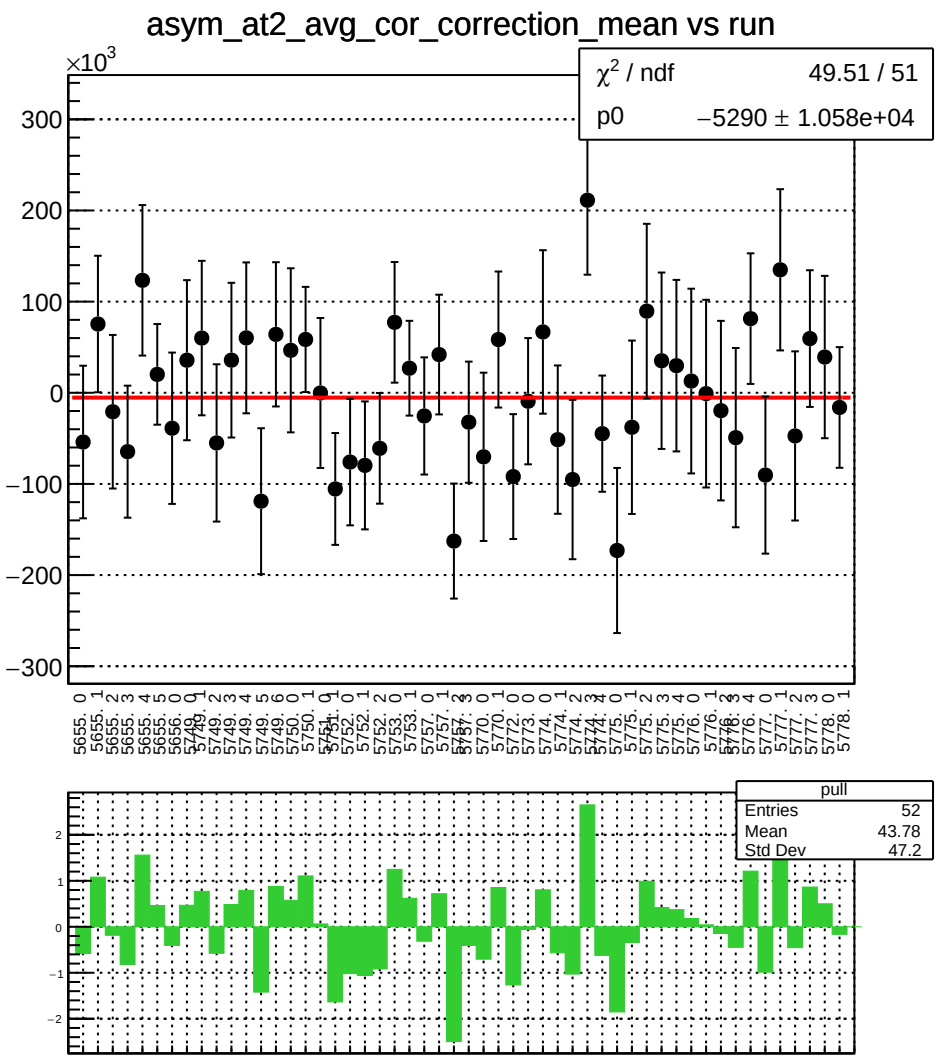
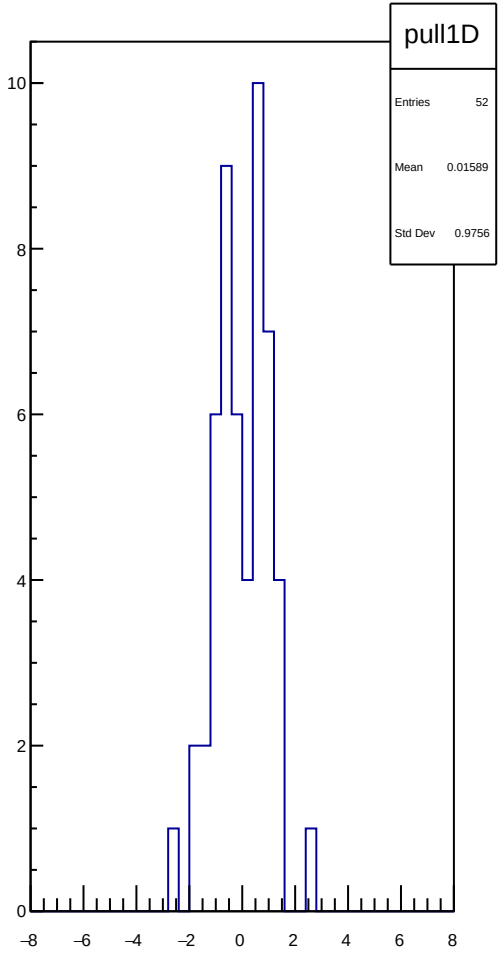
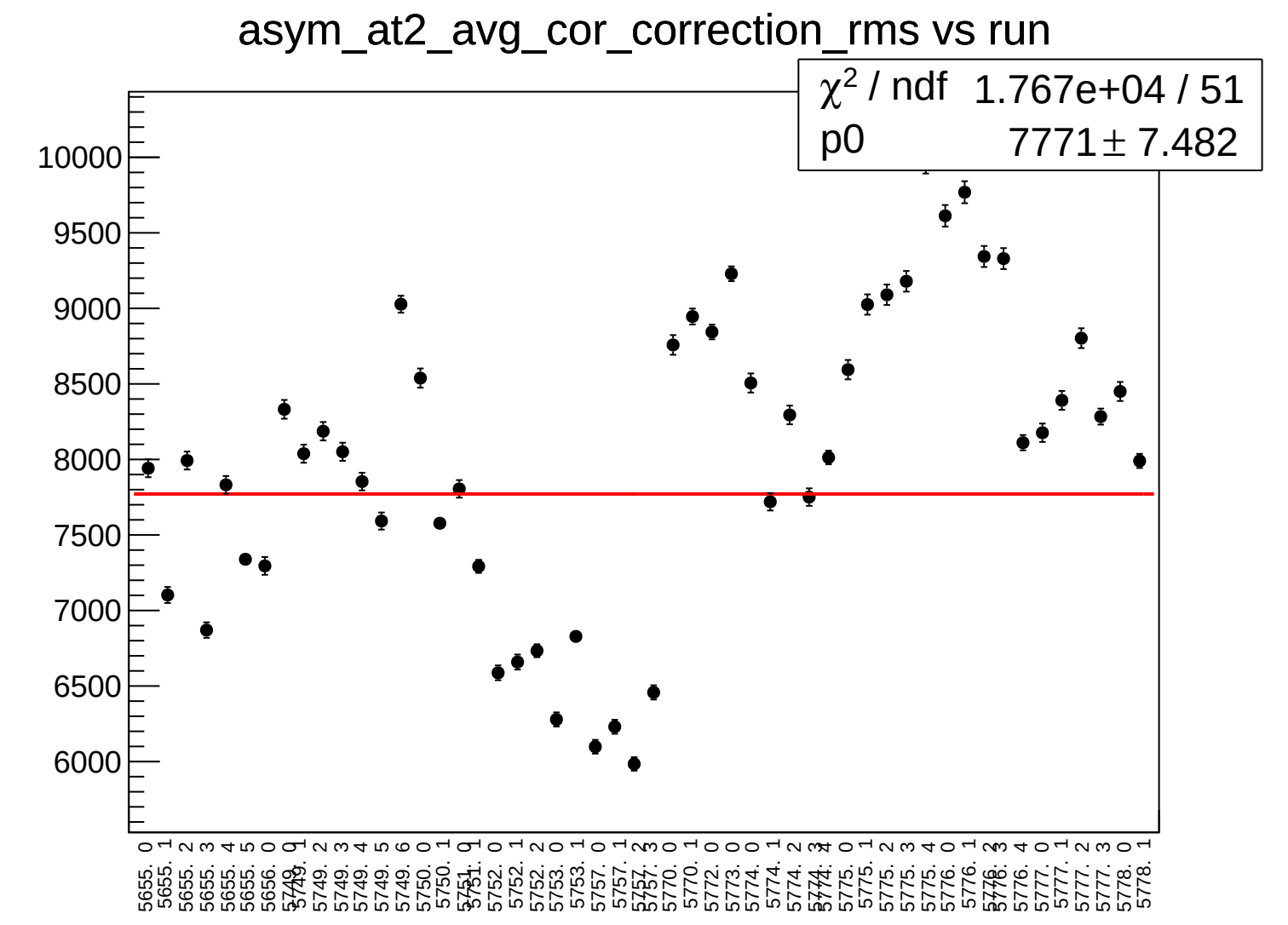
5778. 1


asym_at2_avg_cor_correction_mean vs run
χ² / ndf 49.51 / 51
p0 −5290 ± 1.058e+04
pull
Entries 52
Mean 43.78
Std Dev 47.2


pull1D
Entries 52
Mean 0.01589
Std Dev 0.9756


asym_at2_avg_cor_correction_rms vs run
χ² / ndf 1.767e+04 / 51
p0 7771 ± 7.482
10000
9500
9000
8500
8000
7500
7000
6500
6000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
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5776. 1
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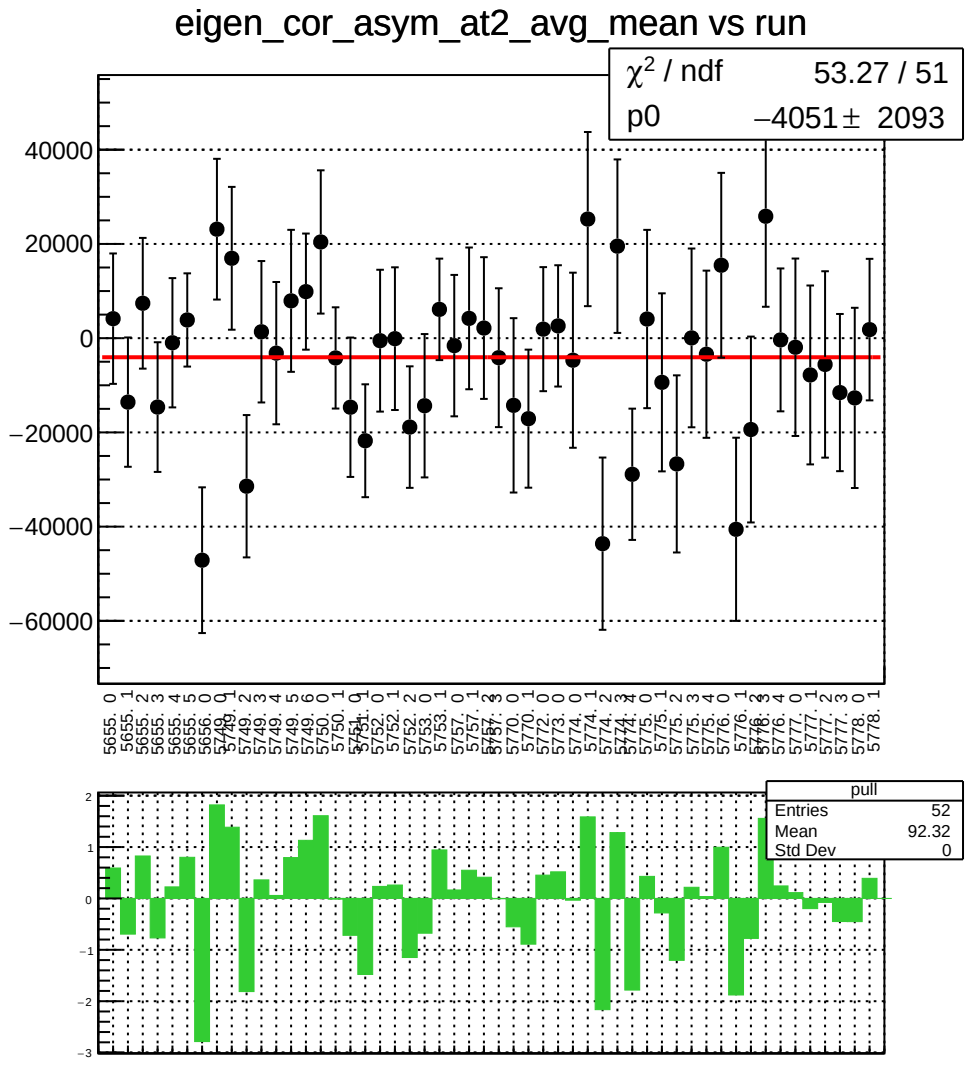
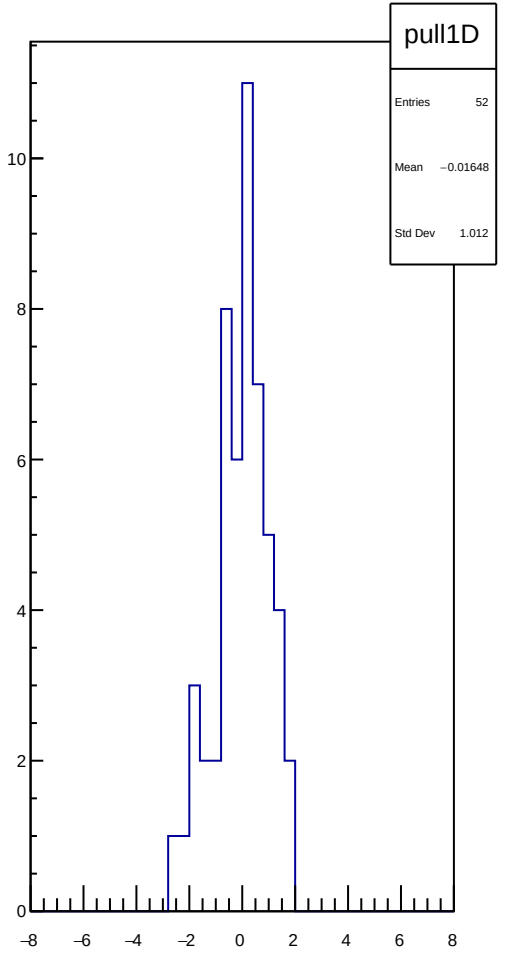
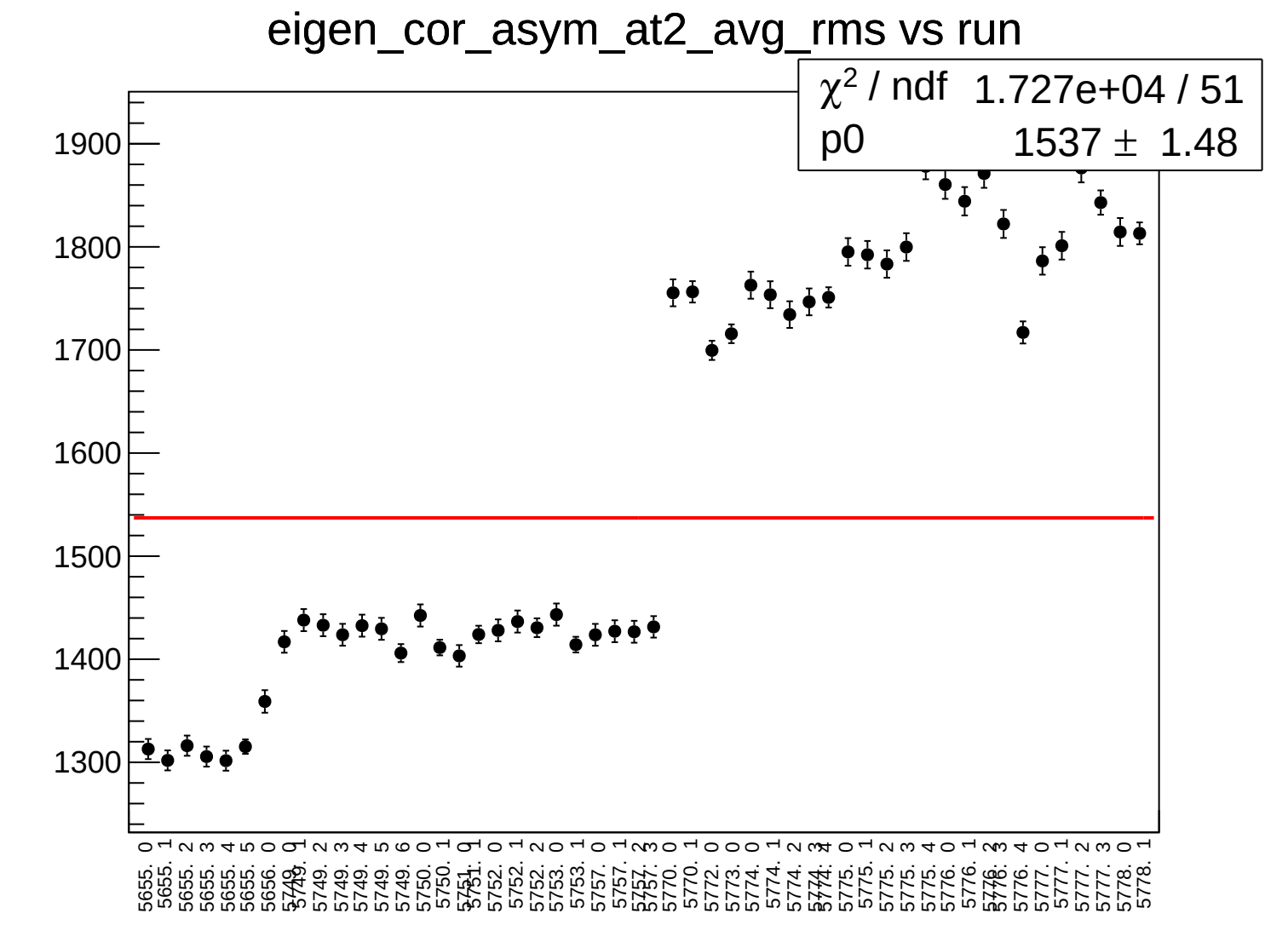
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_at2_avg_mean vs run
χ² / ndf 53.27 / 51
p0 −4051 ± 2093
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 92.32
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.01648
Std Dev 1.012
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_at2_avg_rms vs run
χ² / ndf 1.727e+04 / 51
p0 1537 ± 1.48
1900
1800
1700
1600
1500
1400
1300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5749. 6
5750. 0
5750. 1
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5751. 1
5752. 0
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5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
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5776. 0
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5776. 3
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5777. 0
5777. 1
5777. 2
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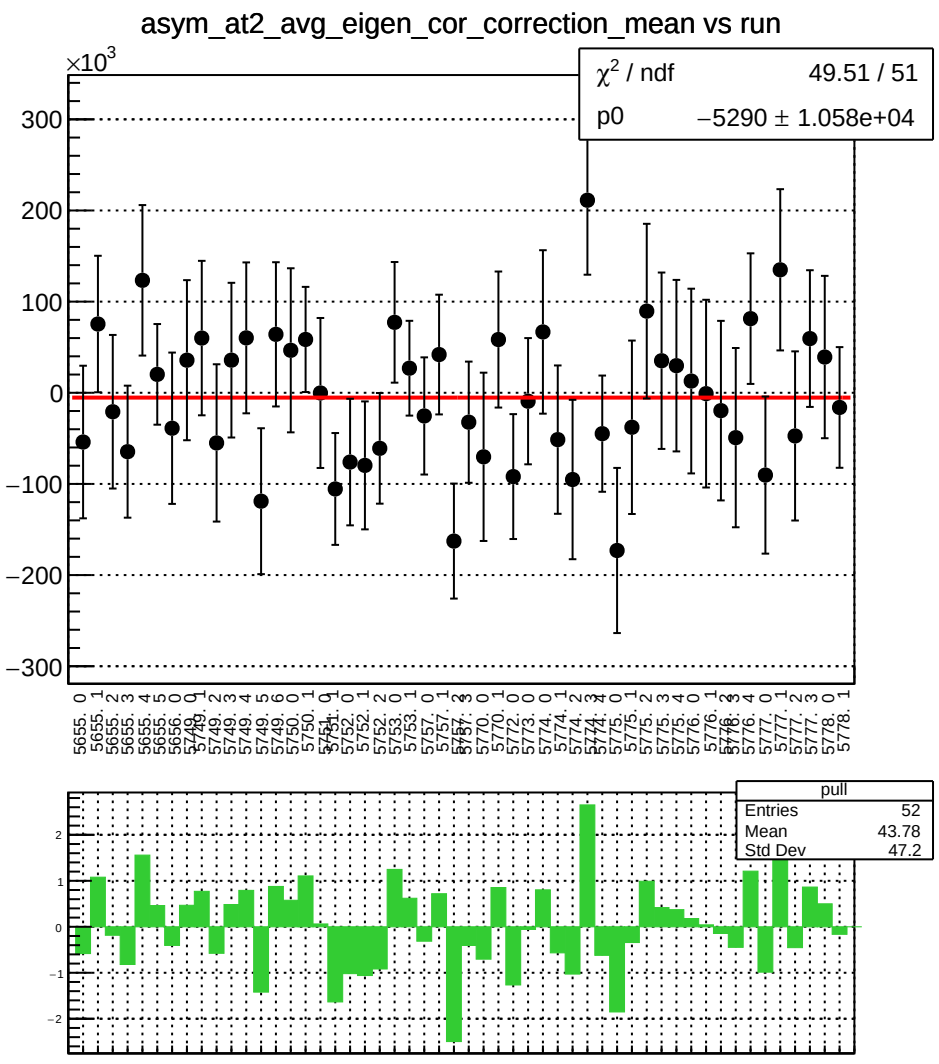
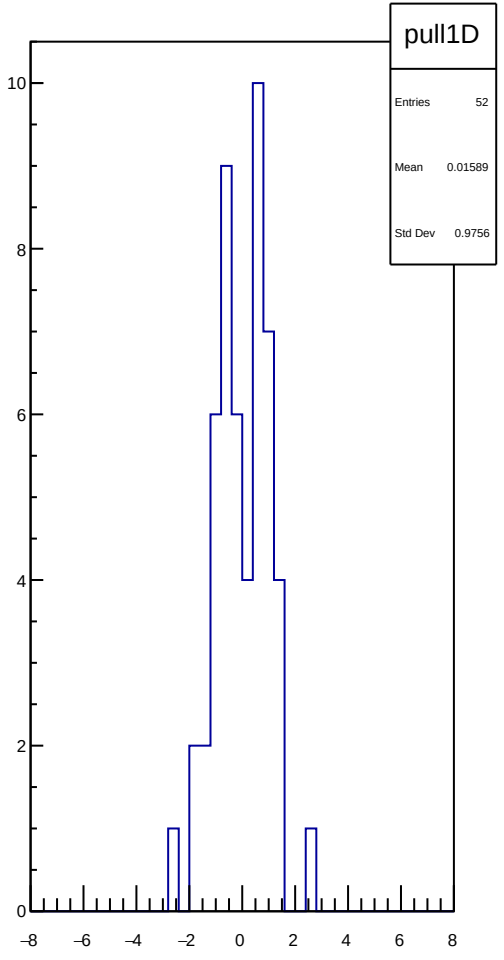
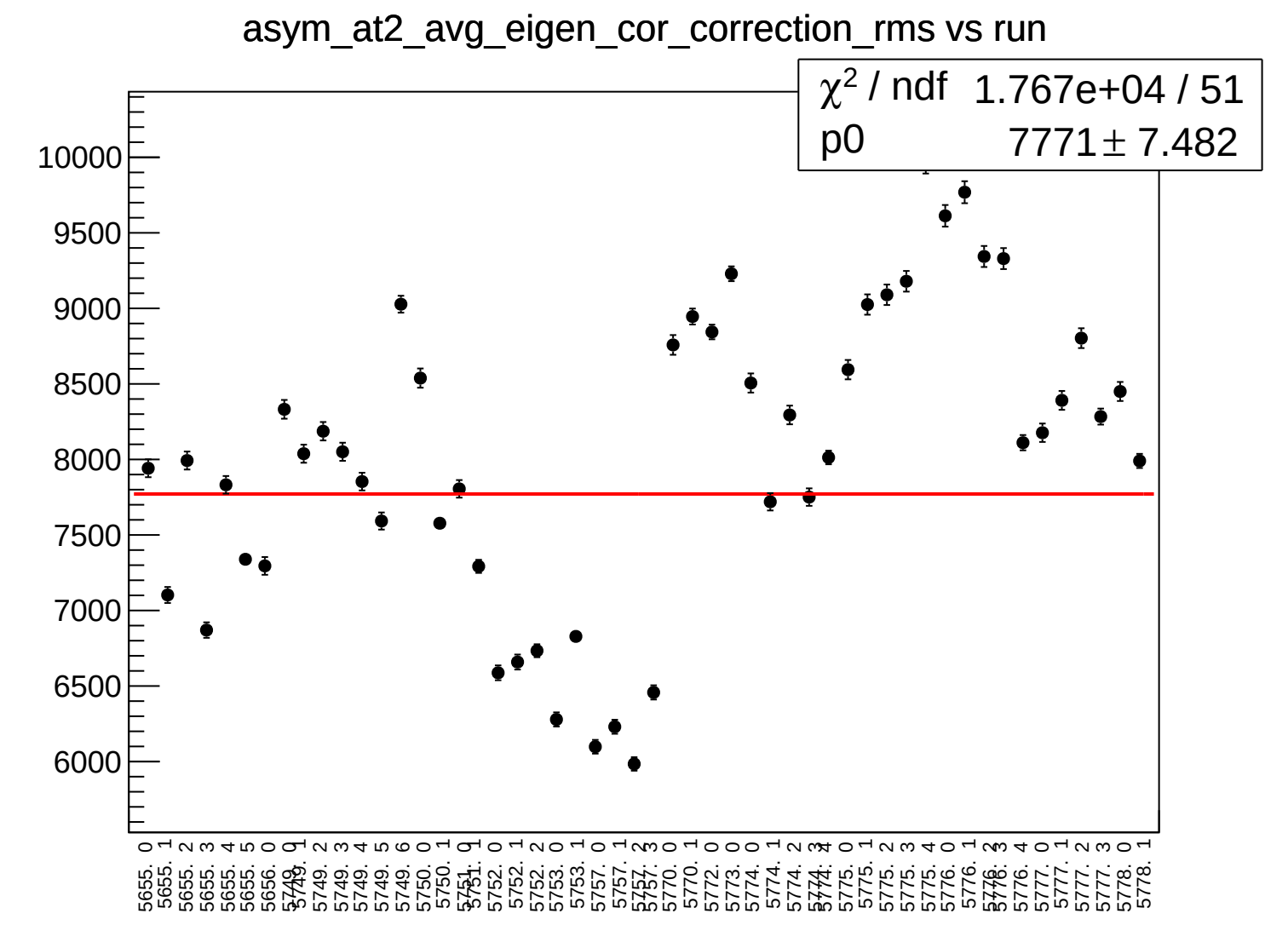
5778. 1


asym_at2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 49.51 / 51
p0 −5290 ± 1.058e+04
pull
Entries 52
Mean 43.78
Std Dev 47.2


pull1D
Entries 52
Mean 0.01589
Std Dev 0.9756


asym_at2_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.767e+04 / 51
p0 7771 ± 7.482
10000
9500
9000
8500
8000
7500
7000
6500
6000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5749. 6
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5750. 1
5751. 1
5752. 0
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5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
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5774. 1
5774. 2
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5774. 4
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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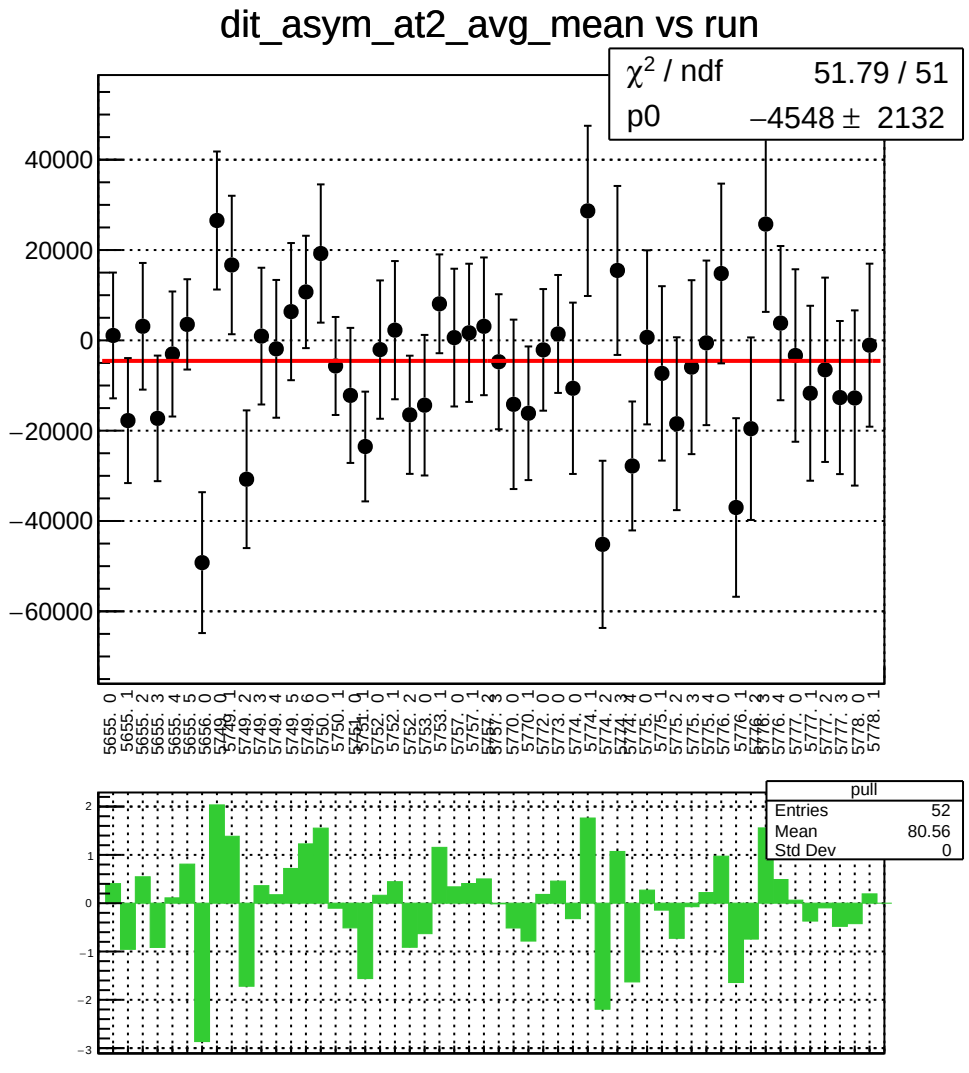
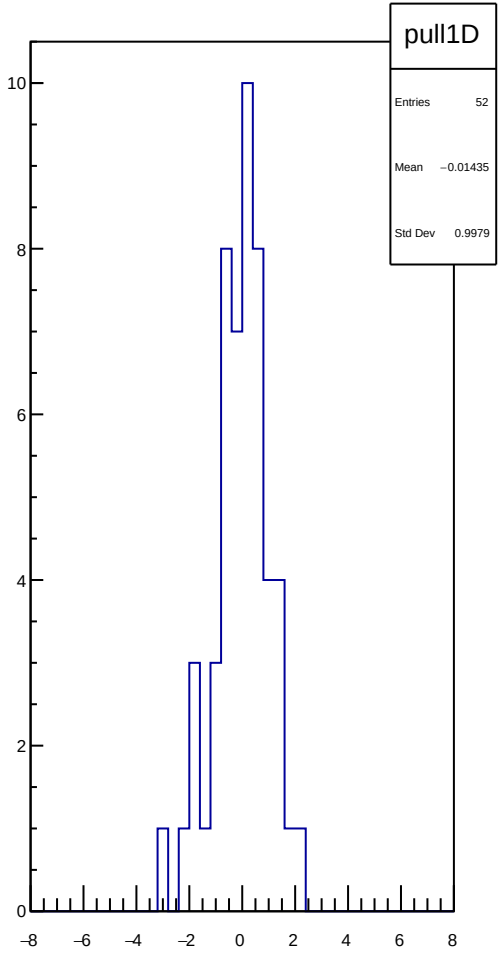
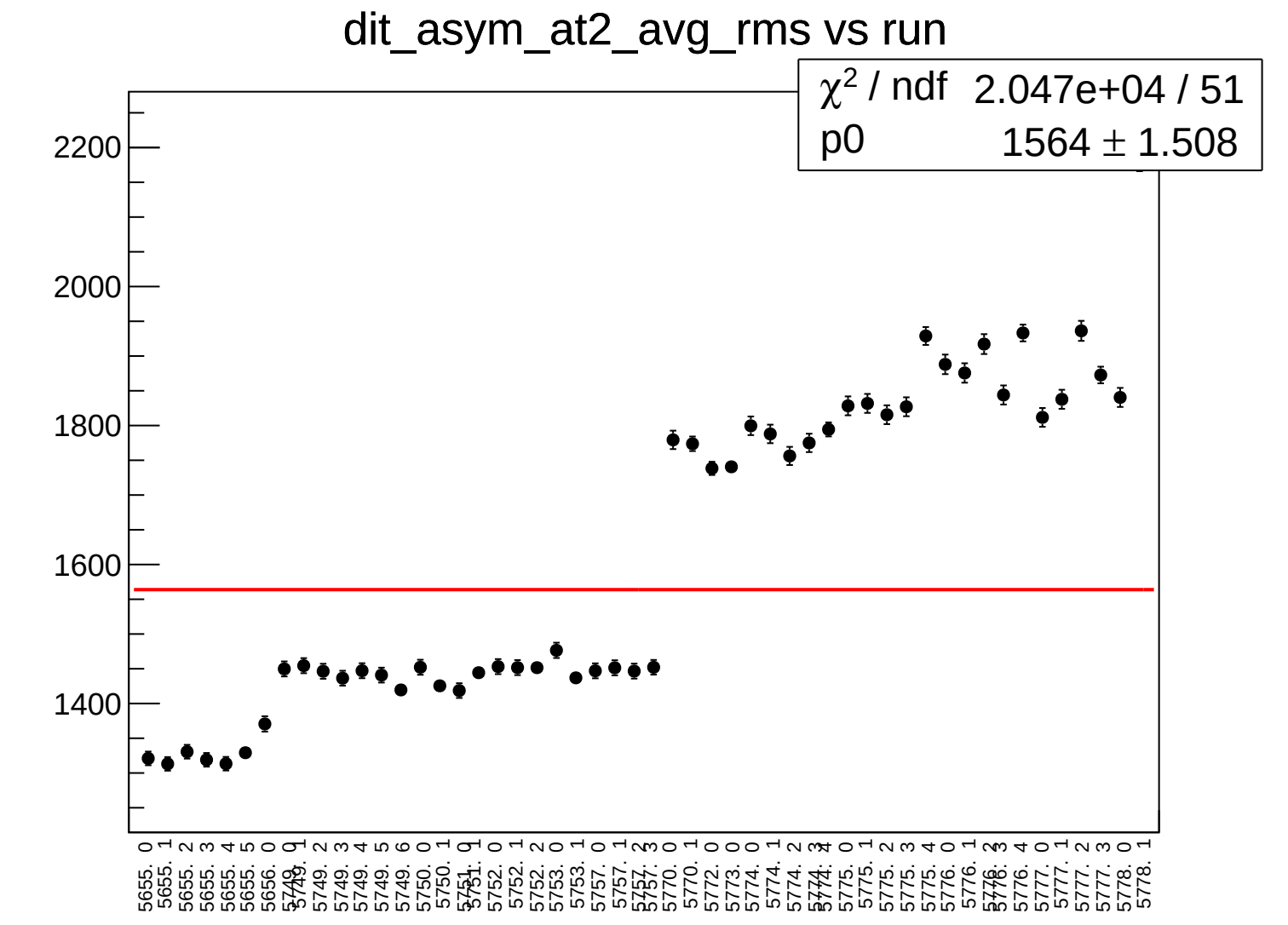
5778. 1


dit_asym_at2_avg_mean vs run
χ² / ndf 51.79 / 51
p0 −4548 ± 2132
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 80.56
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.01435
Std Dev 0.9979
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_at2_avg_rms vs run
χ^2 / ndf 2.047e+04 / 51
p0 1564 ± 1.508
2200
2000
1800
1600
1400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5751. 1
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5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
5777. 0
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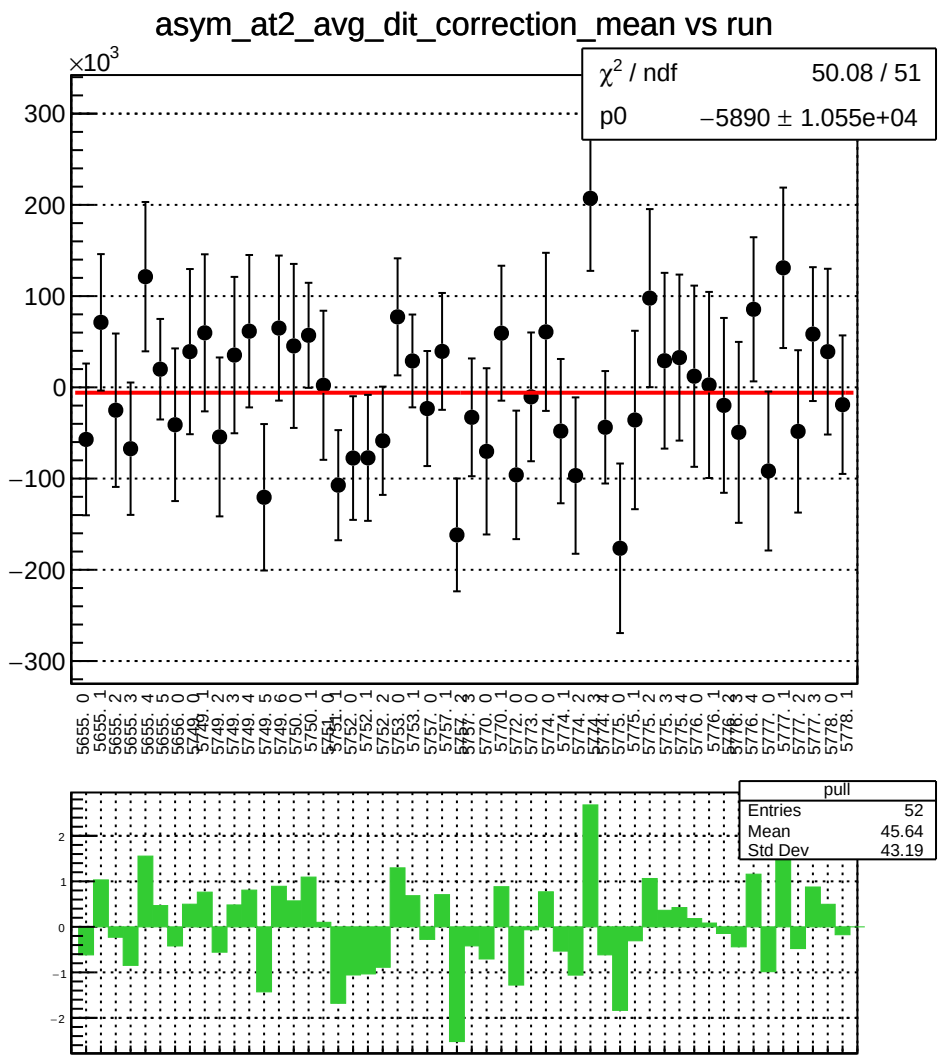
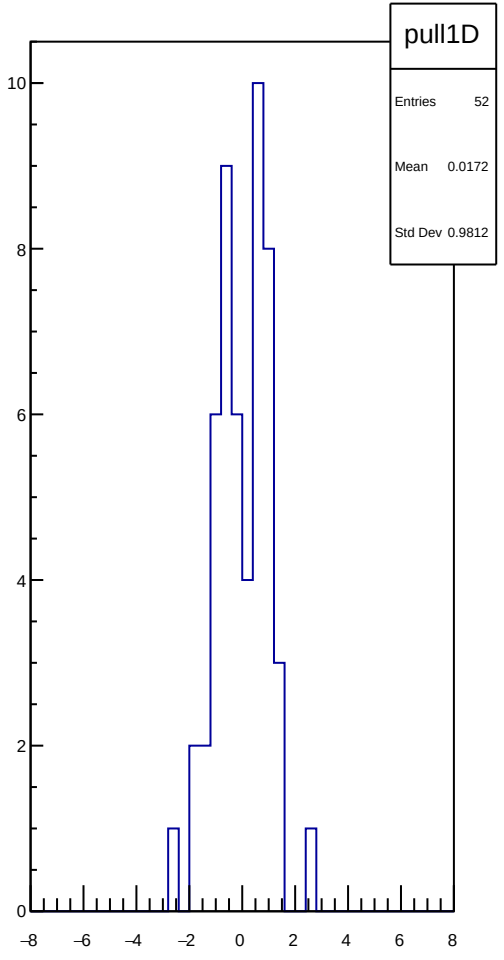
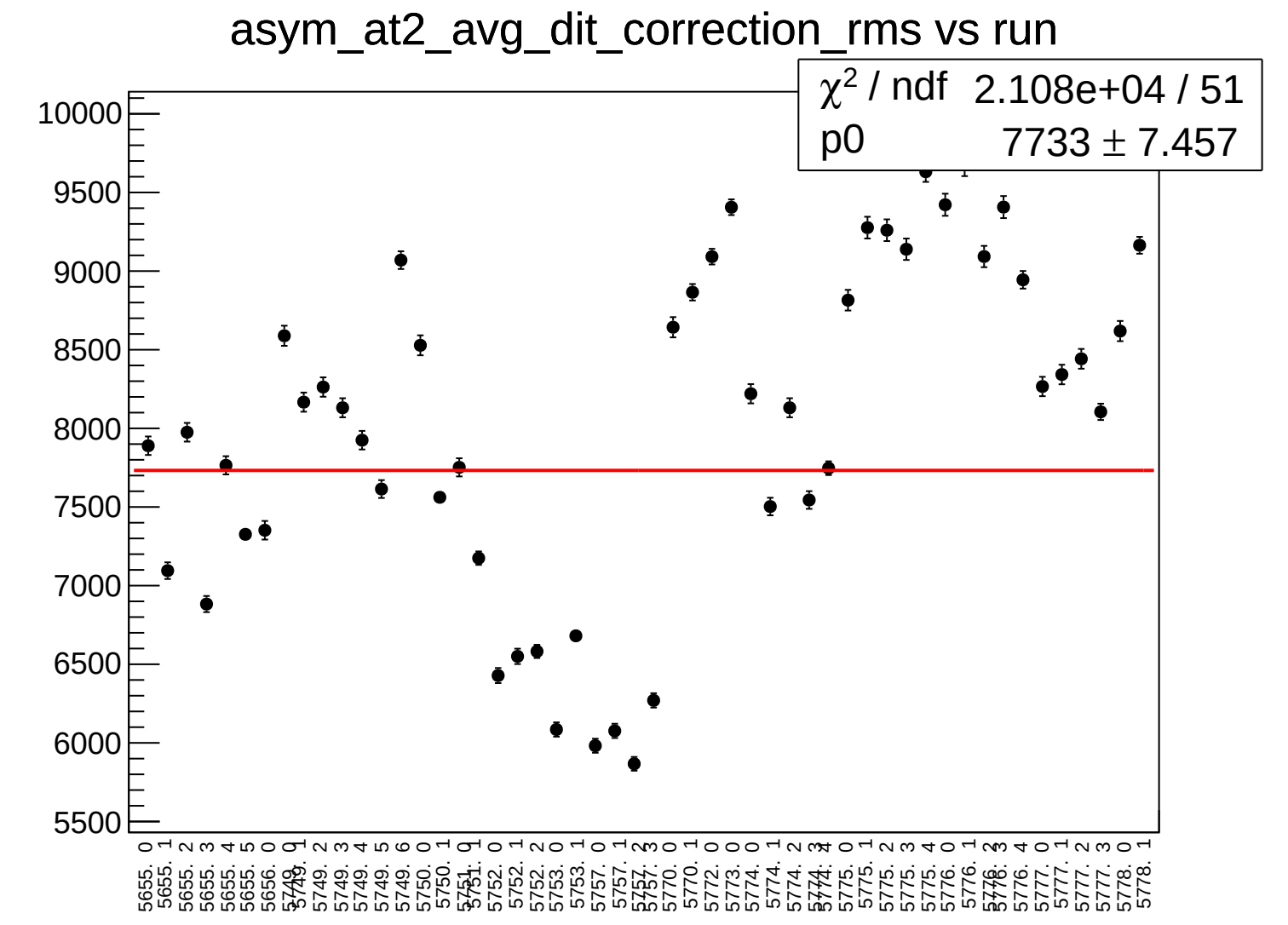
5777. 2
5777. 3
5778. 0
5778. 1


asym_at2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 50.08 / 51
p0 −5890 ± 1.055e+04
pull
Entries 52
Mean 45.64
Std Dev 43.19


pull1D
Entries 52
Mean 0.0172
Std Dev 0.9812


asym_at2_avg_dit_correction_rms vs run
χ² / ndf 2.108e+04 / 51
p0 7733 ± 7.457
10000
9500
9000
8500
8000
7500
7000
6500
6000
5500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5749. 6
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5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
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5753. 1
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5770. 0
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5773. 0
5774. 0
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5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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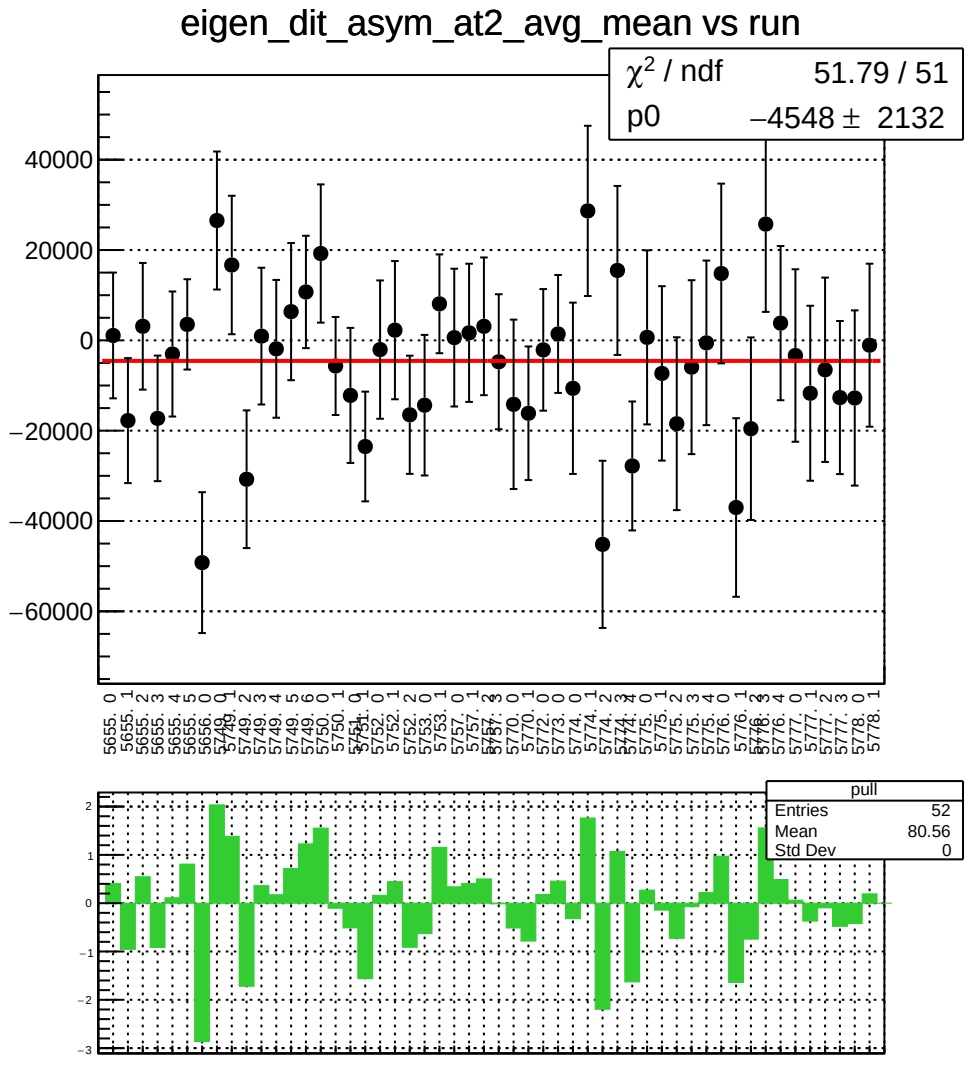
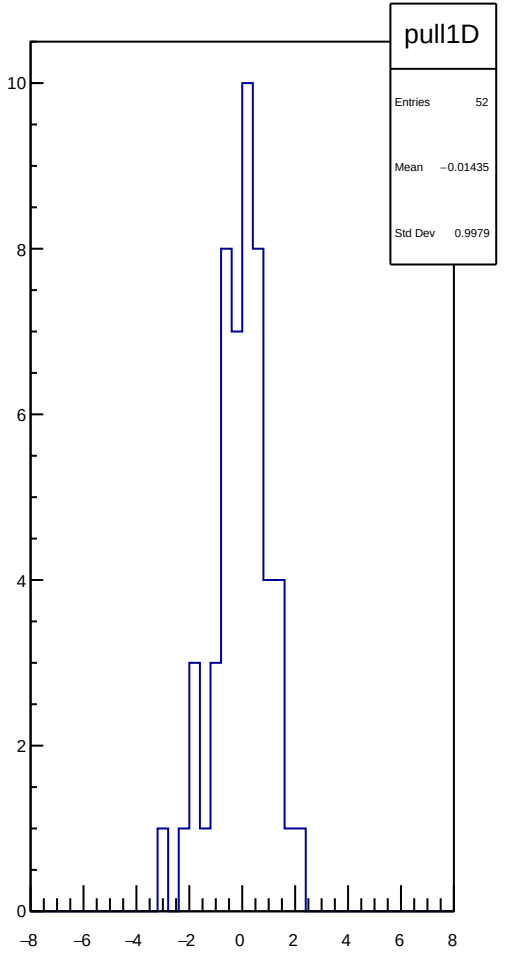
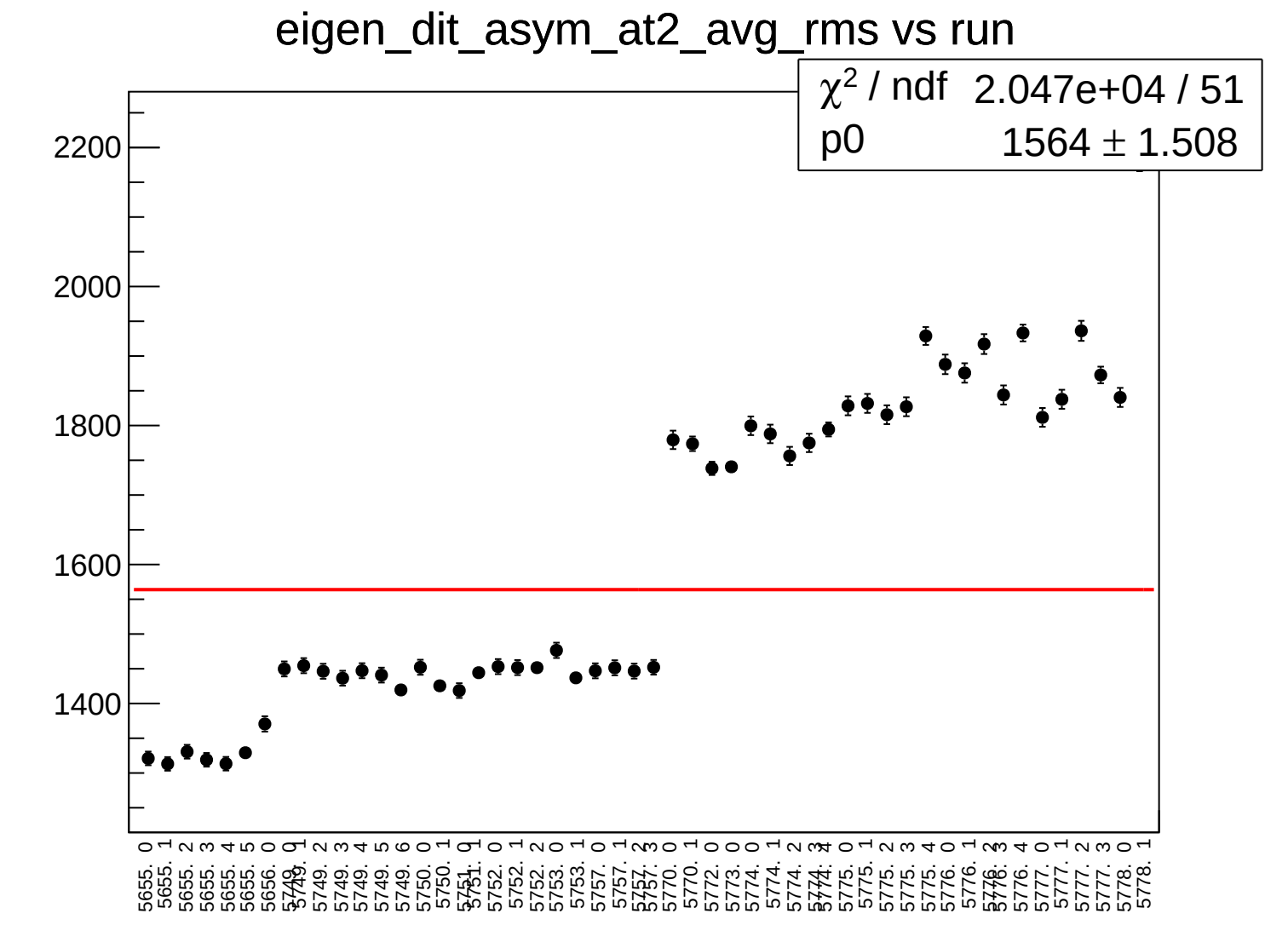
5778. 1


eigen_dit_asym_at2_avg_mean vs run
χ² / ndf 51.79 / 51
p0 −4548 ± 2132
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 80.56
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.01435
Std Dev 0.9979
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_at2_avg_rms vs run
χ² / ndf 2.047e+04 / 51
p0 1564 ± 1.508
2200
2000
1800
1600
1400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
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5751. 1
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5776. 0
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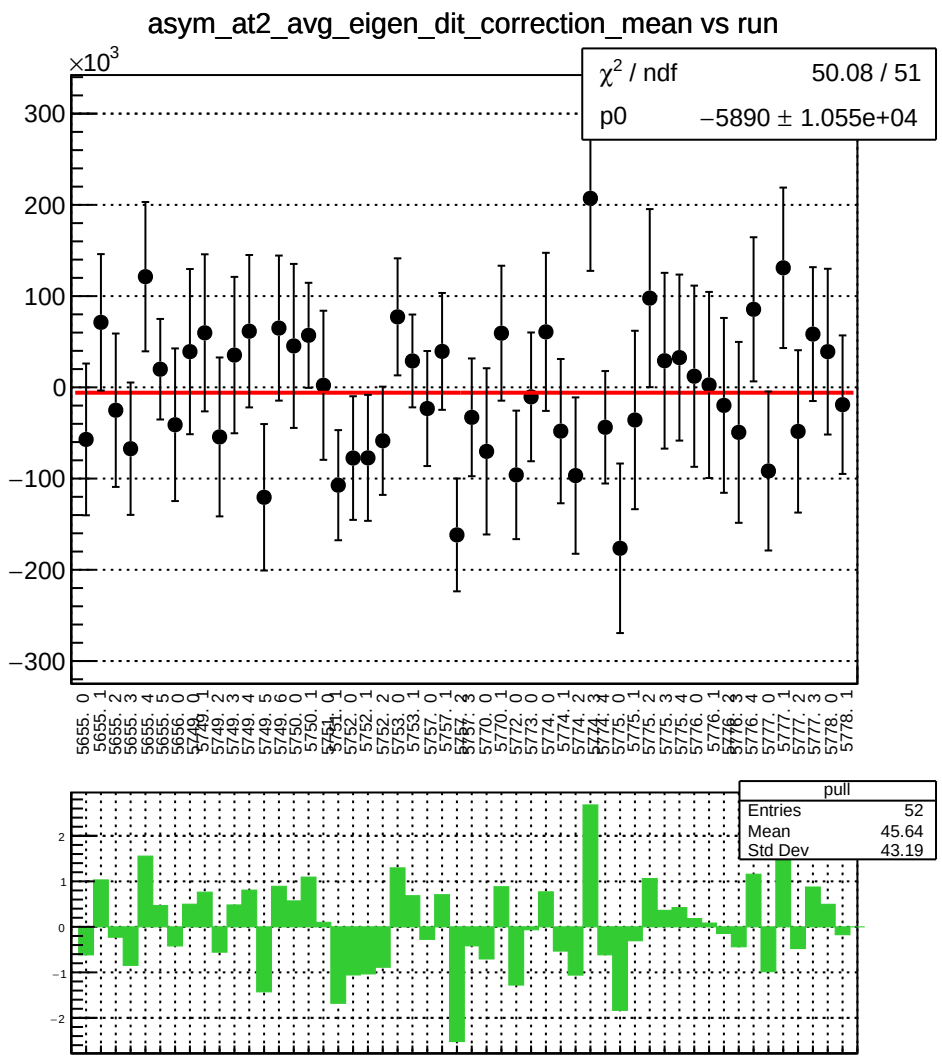
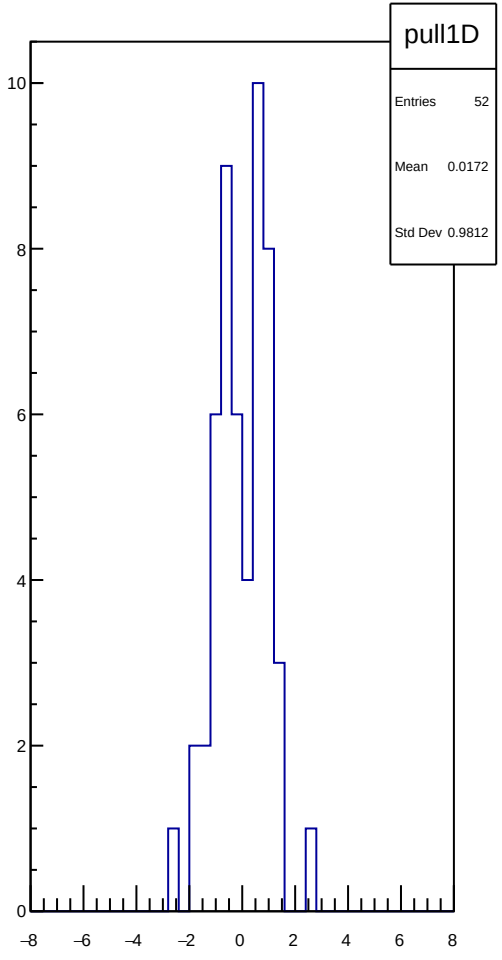
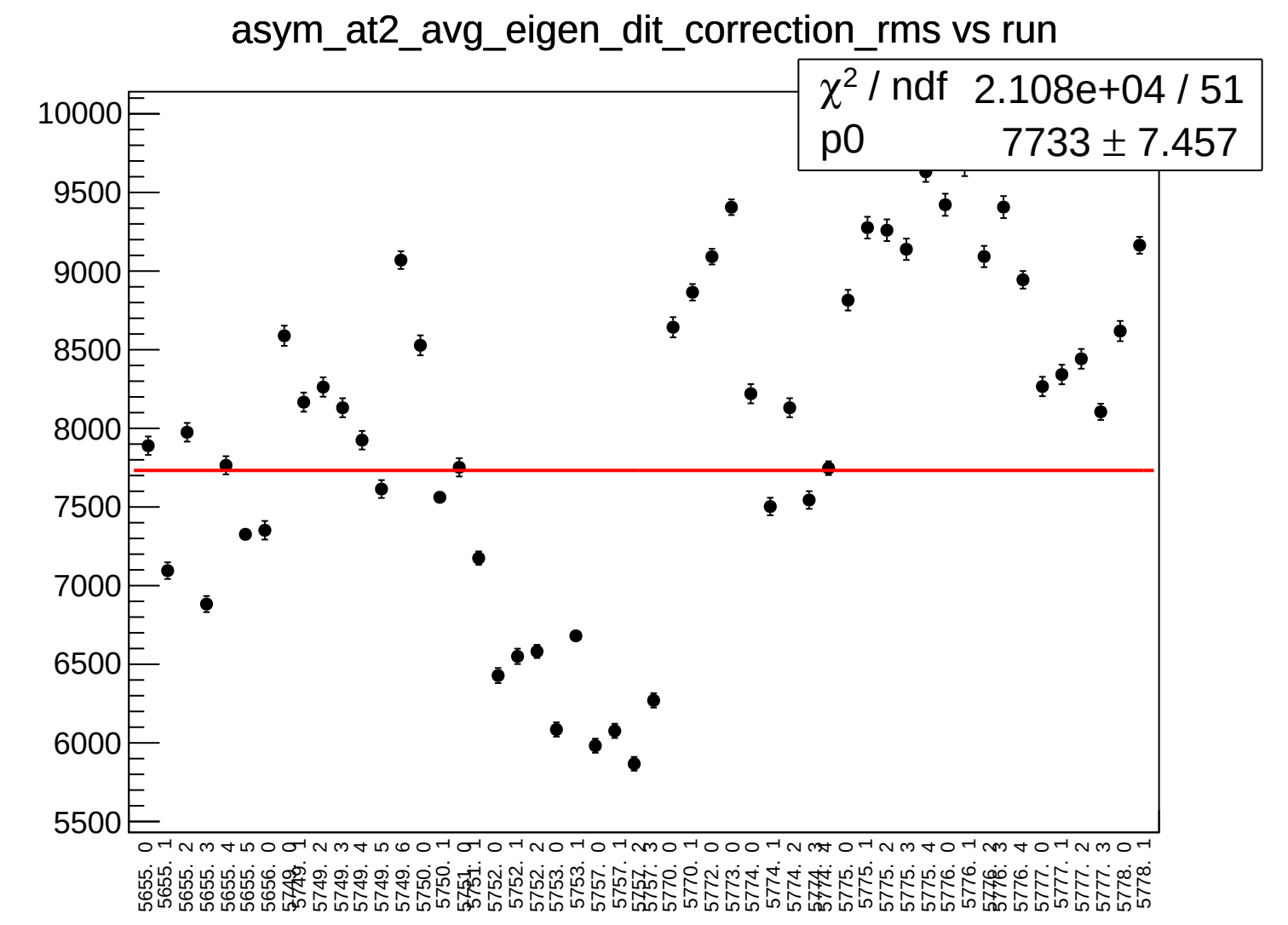

asym_at2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 50.08 / 51
p0 −5890 ± 1.055e+04
pull
Entries 52
Mean 45.64
Std Dev 43.19


pull1D
Entries 52
Mean 0.0172
Std Dev 0.9812


asym_at2_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.108e+04 / 51
p0 7733 ± 7.457
10000
9500
9000
8500
8000
7500
7000
6500
6000
5500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
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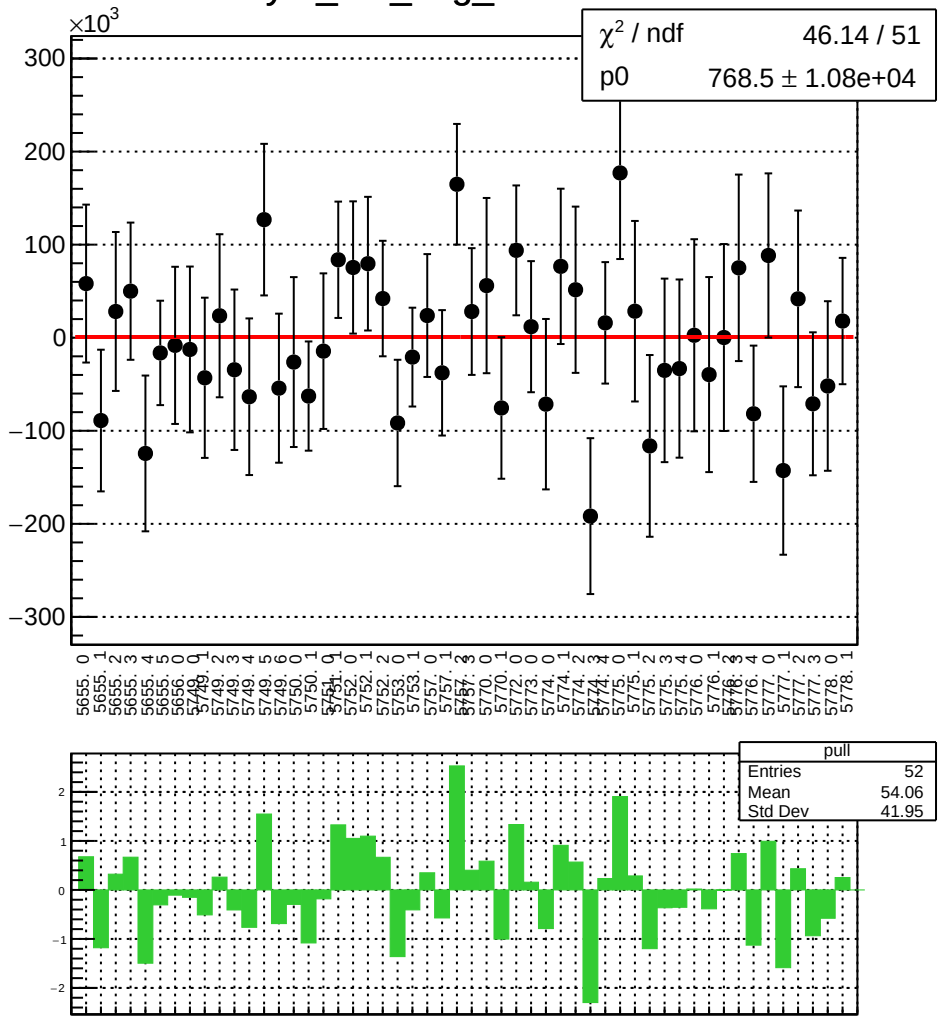
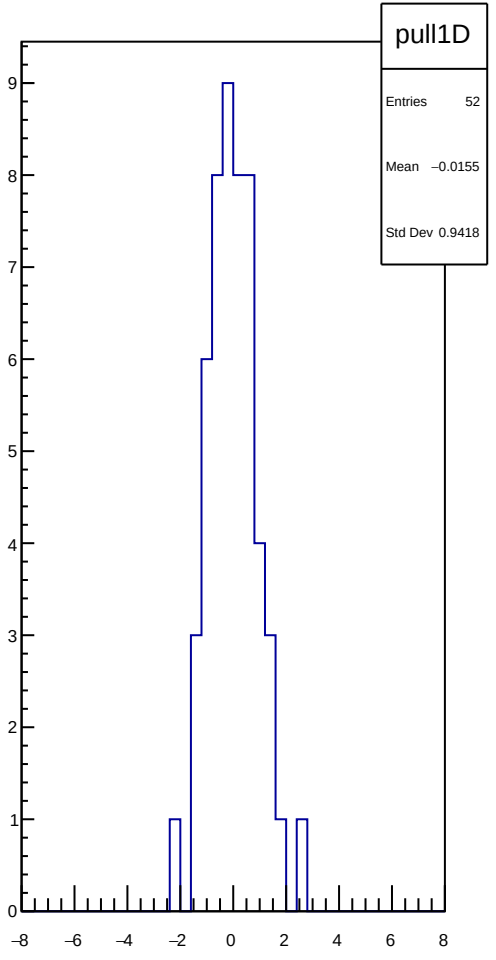
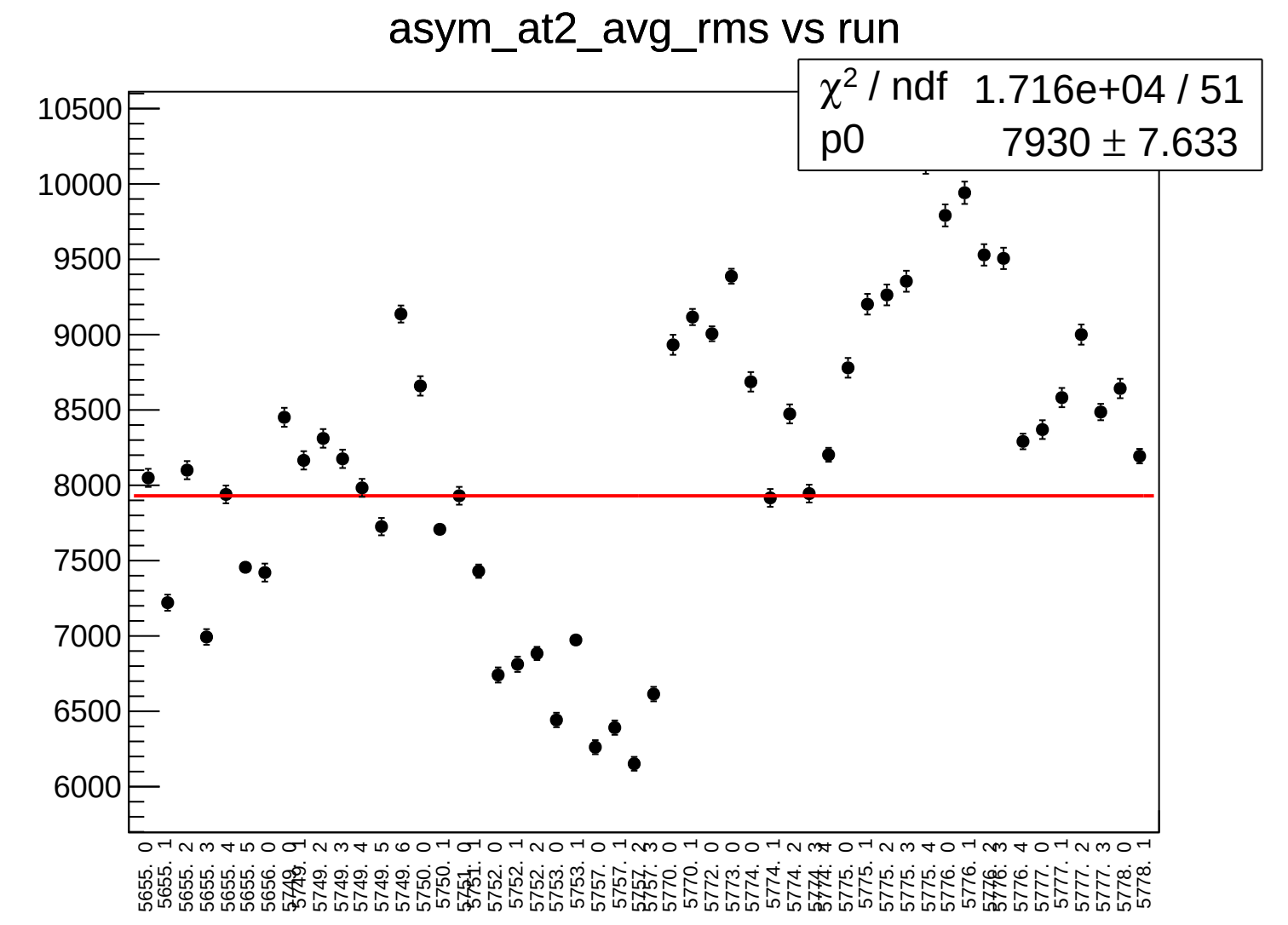

asym_at2_avg_mean vs run
×10^3
χ² / ndf 46.14 / 51
p0 768.5 ± 1.08e+04
pull
Entries 52
Mean 54.06
Std Dev 41.95


pull1D
Entries 52
Mean −0.0155
Std Dev 0.9418


asym_at2_avg_rms vs run
χ² / ndf 1.716e+04 / 51
p0 7930 ± 7.633
10500
10000
9500
9000
8500
8000
7500
7000
6500
6000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
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5656. 0
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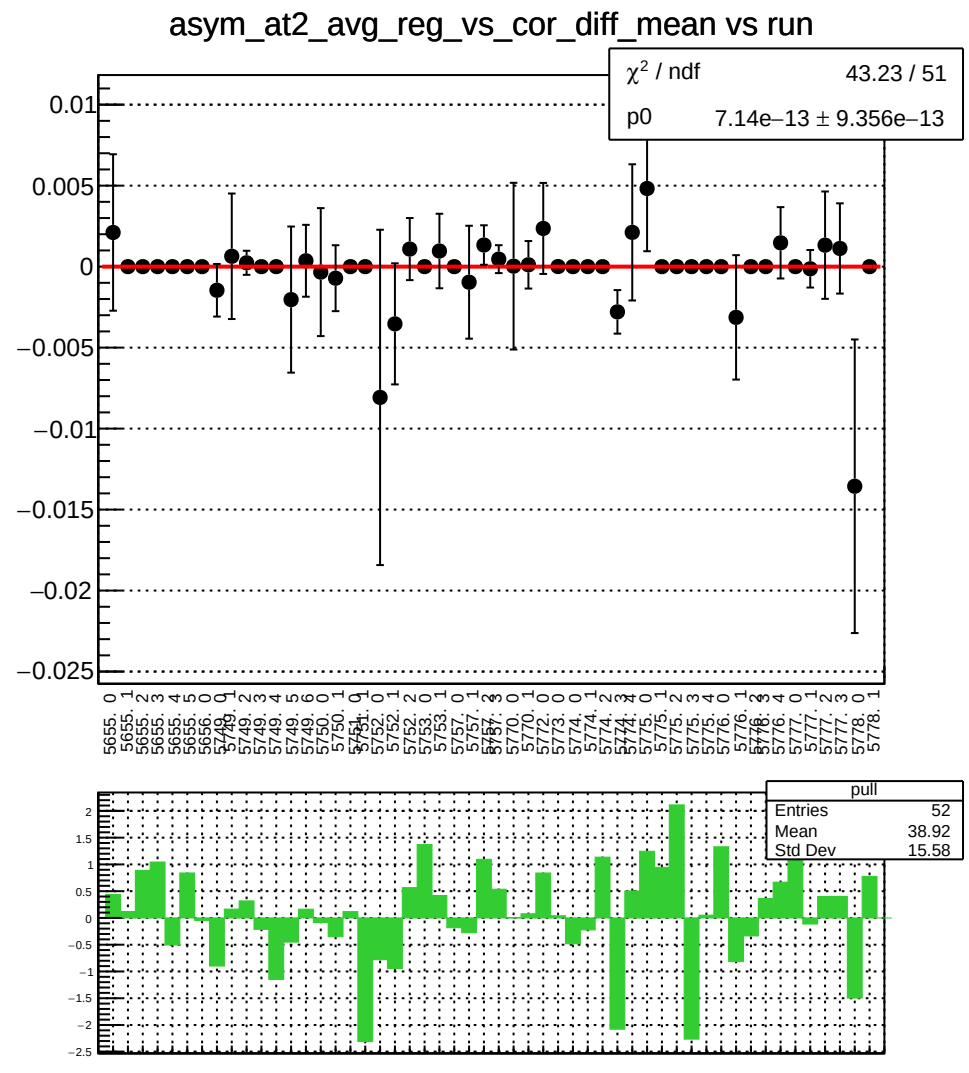
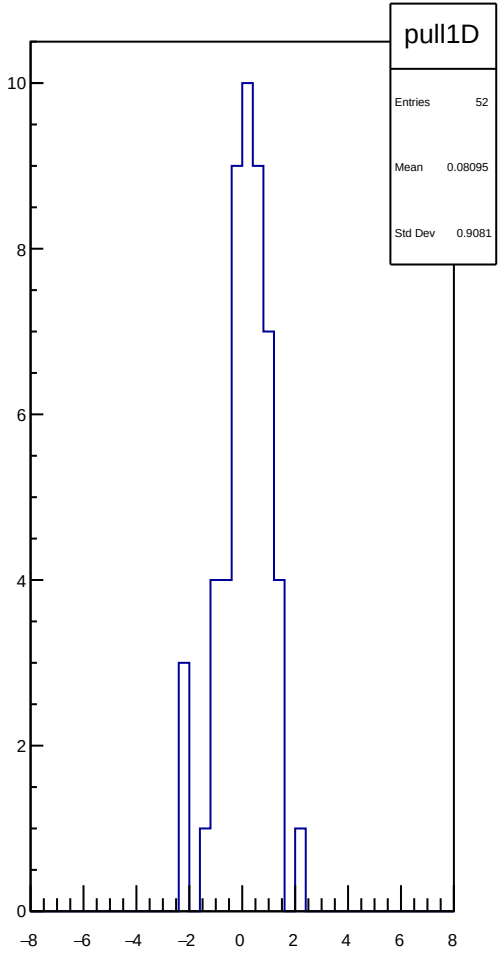
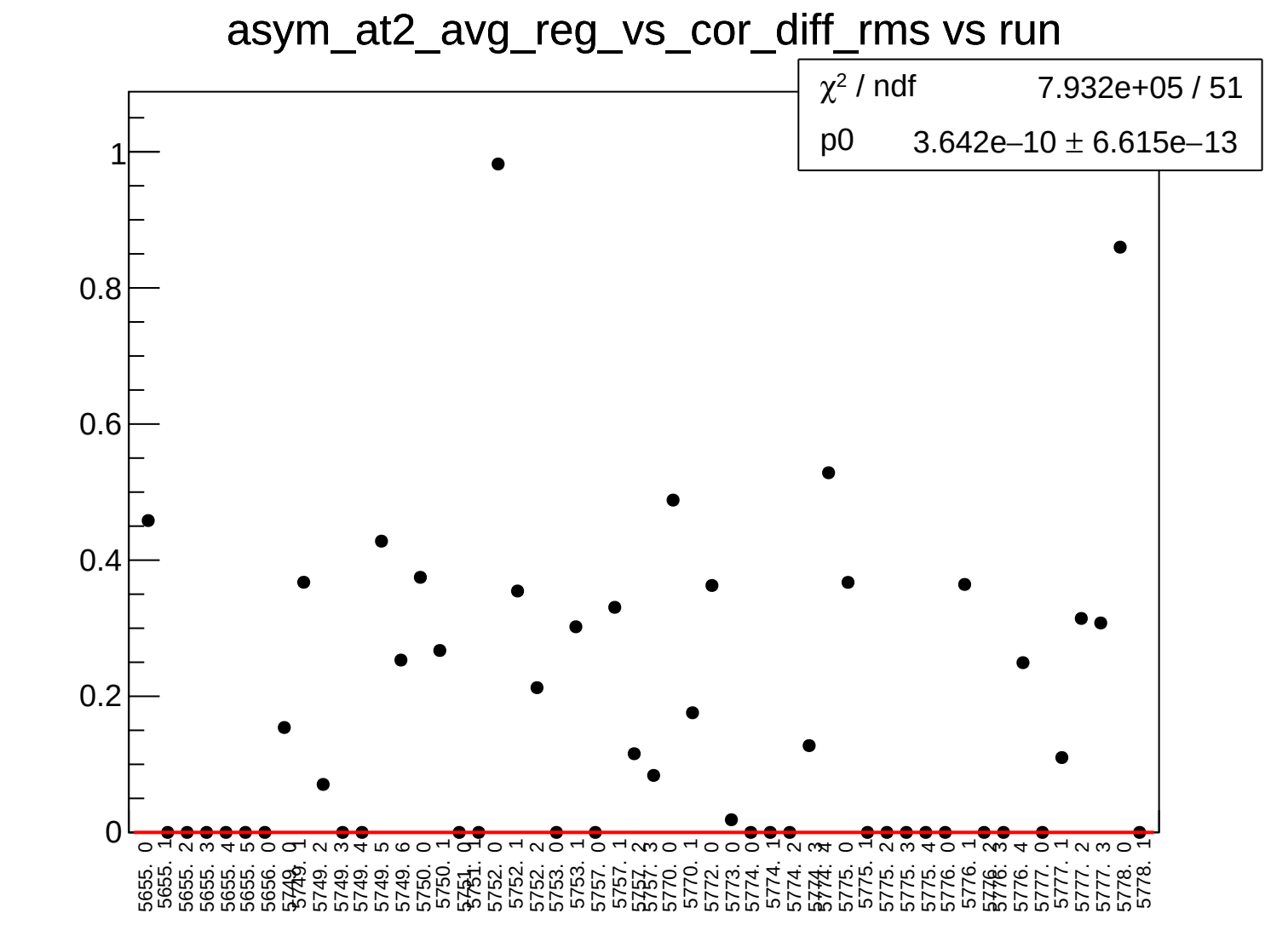
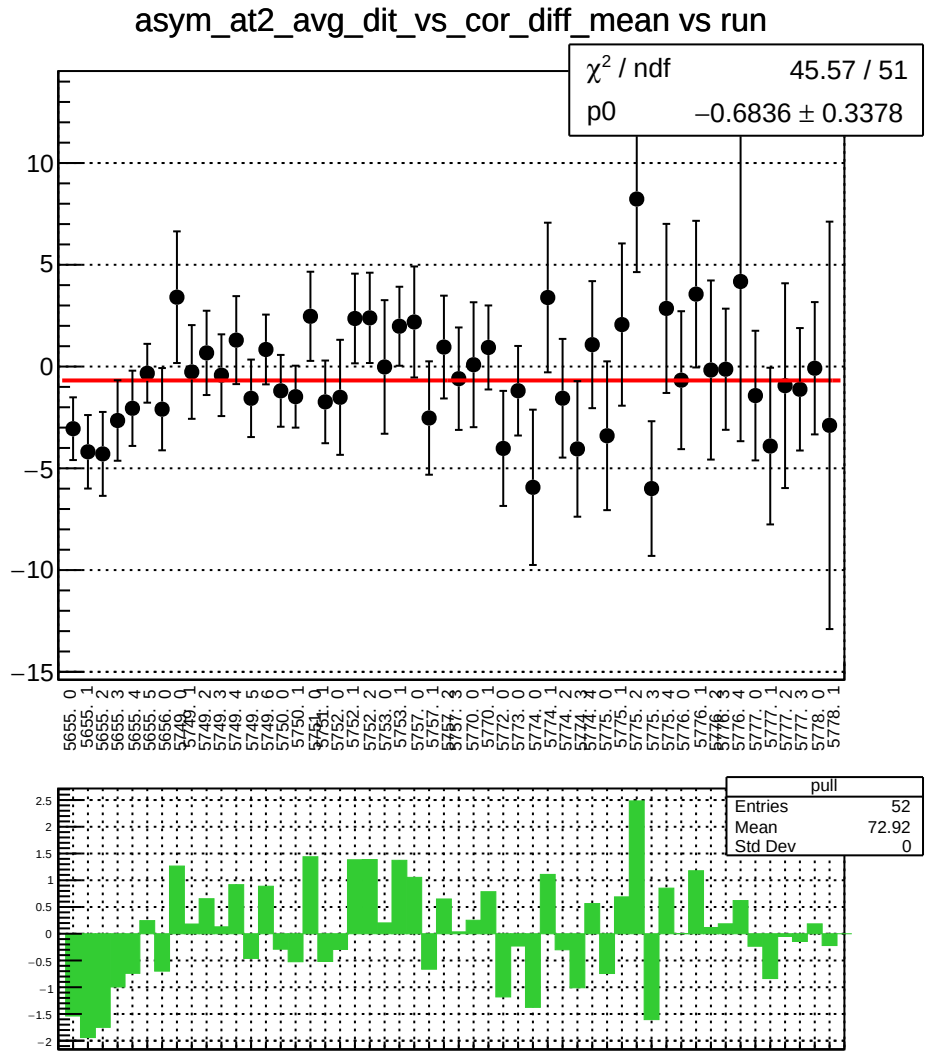
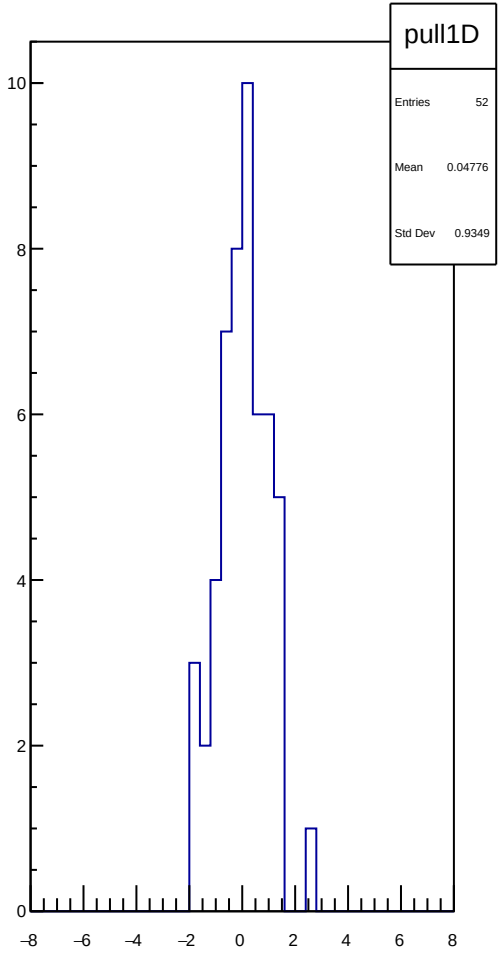
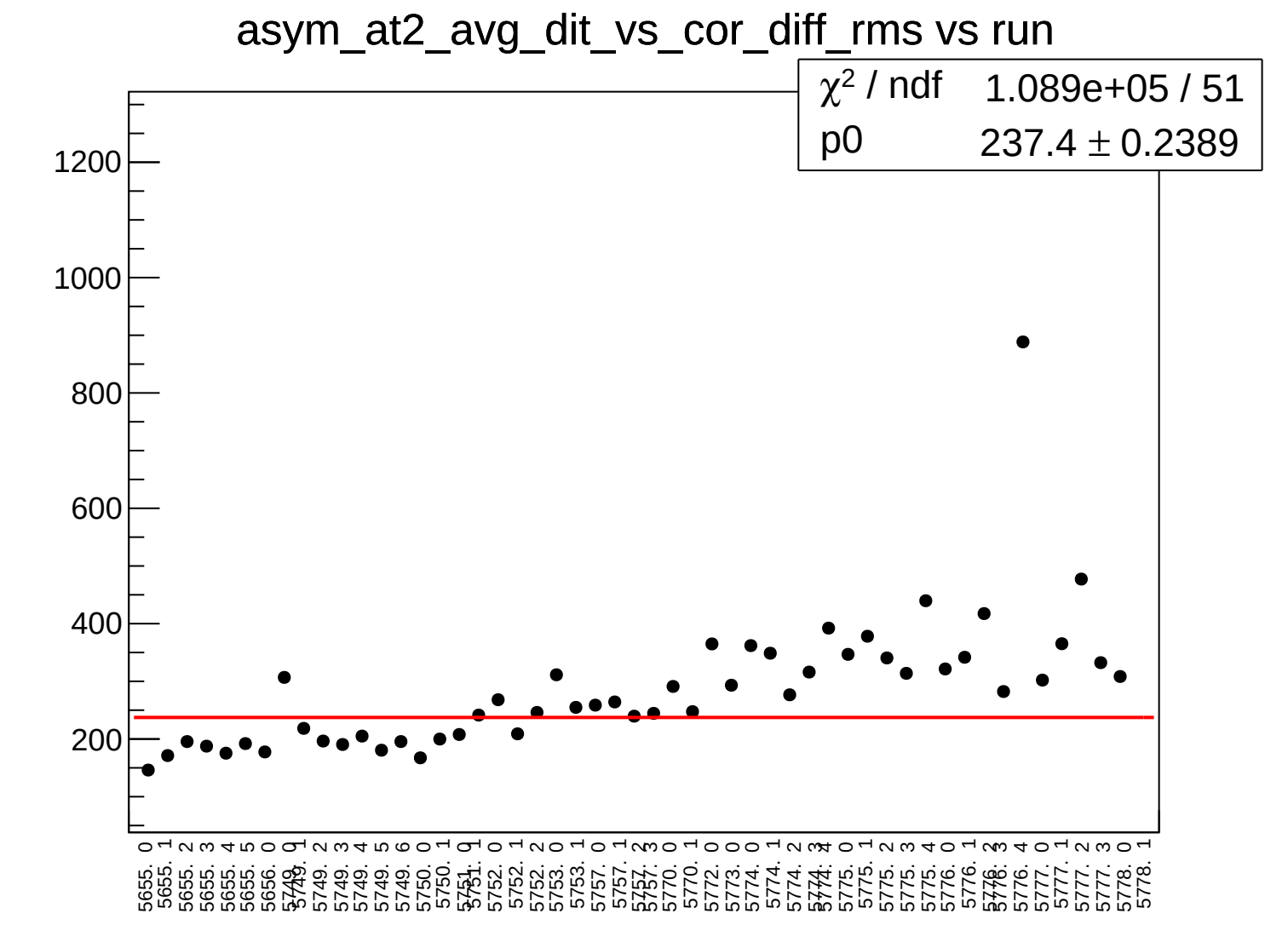

asym_at2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 43.23 / 51
p0 7.14e−13 ± 9.356e−13
pull
Entries 52
Mean 38.92
Std Dev 15.58

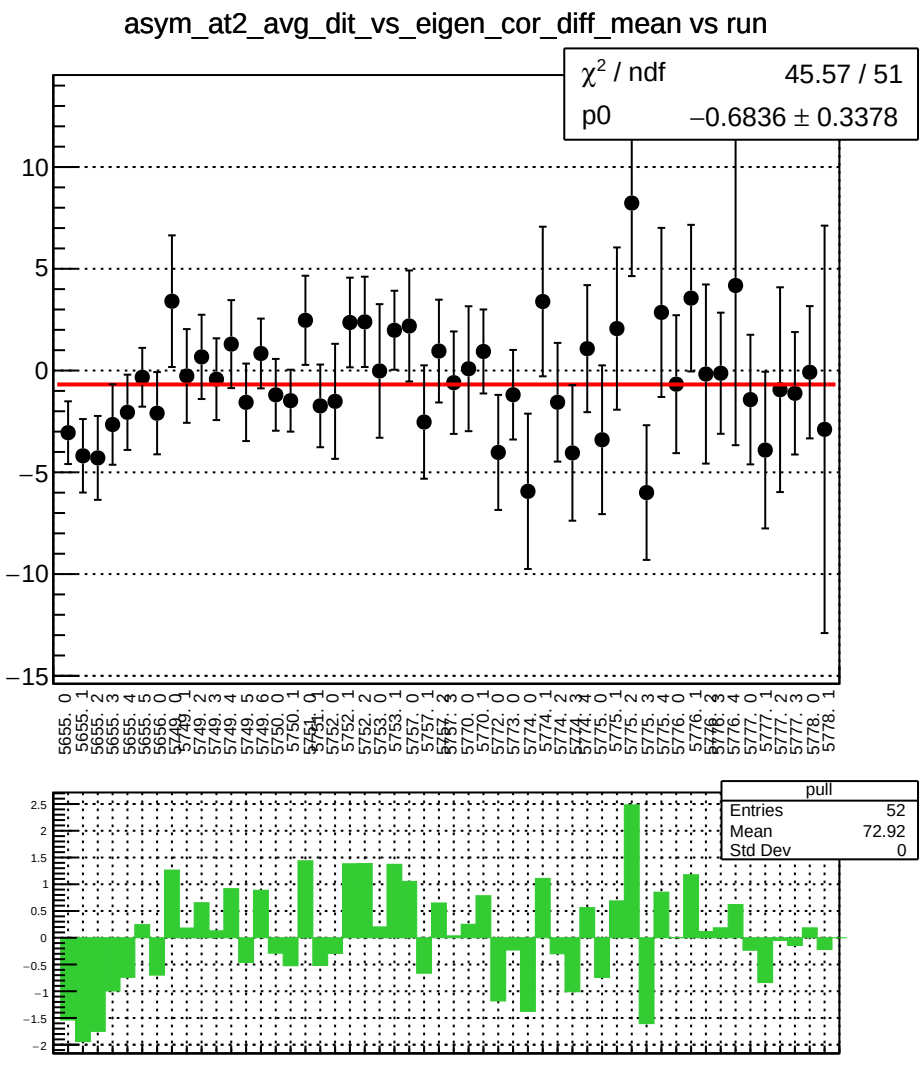

pull1D
Entries 52
Mean 0.08095
Std Dev 0.9081

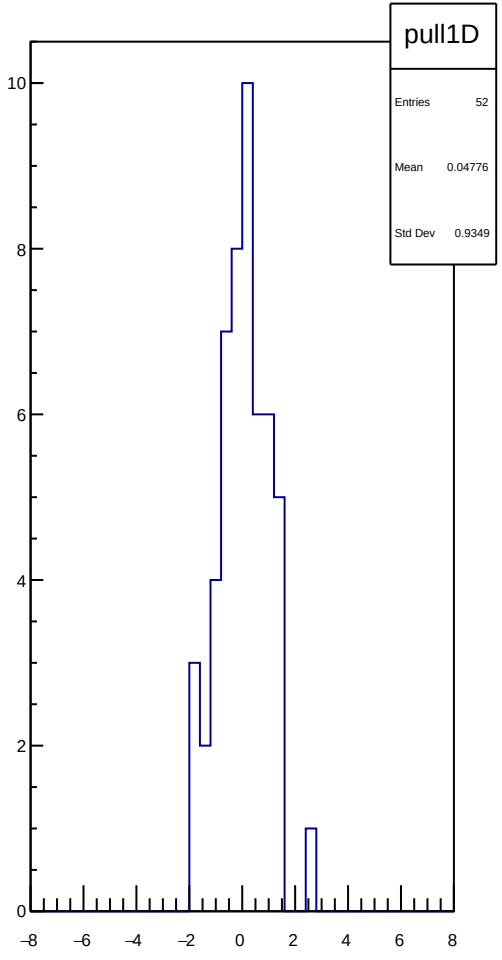

asym_at2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.932e+05 / 51
p0 3.642e−10 ± 6.615e−13
1
0.8
0.6
0.4
0.2
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

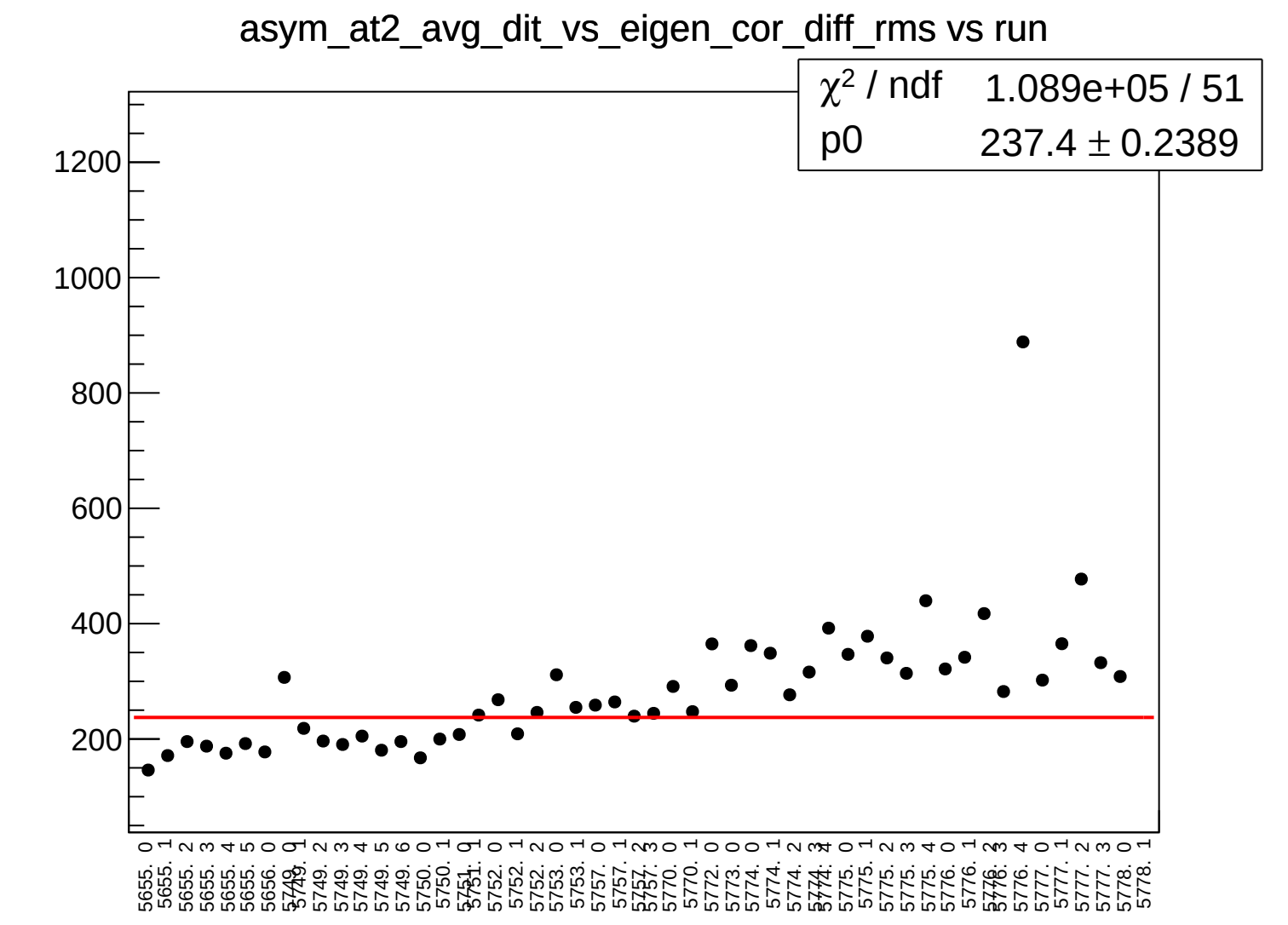

asym_at2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 45.57 / 51
p0 −0.6836 ± 0.3378
pull
Entries 52
Mean 72.92
Std Dev 0

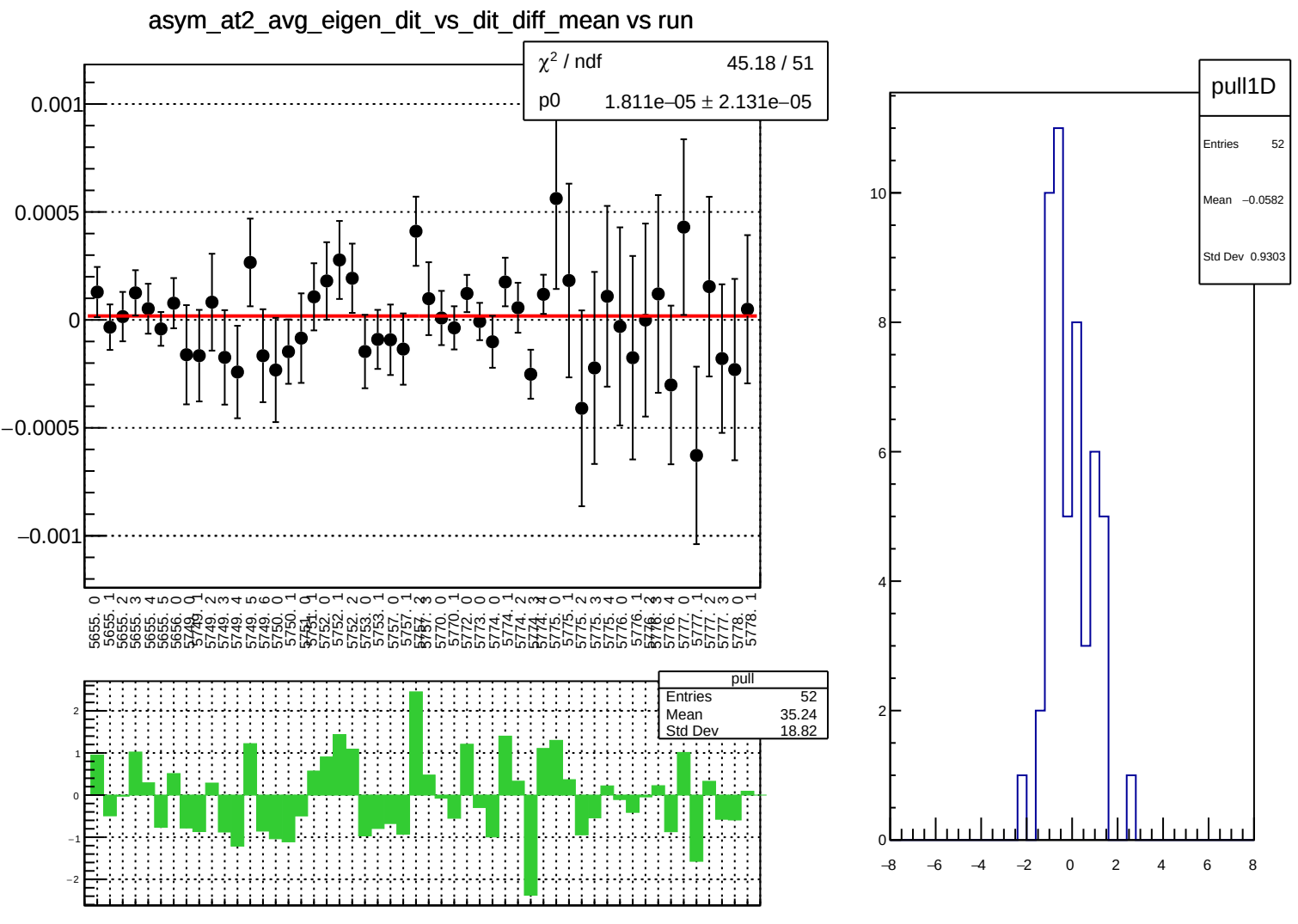

pull1D
Entries 52
Mean 0.04776
Std Dev 0.9349

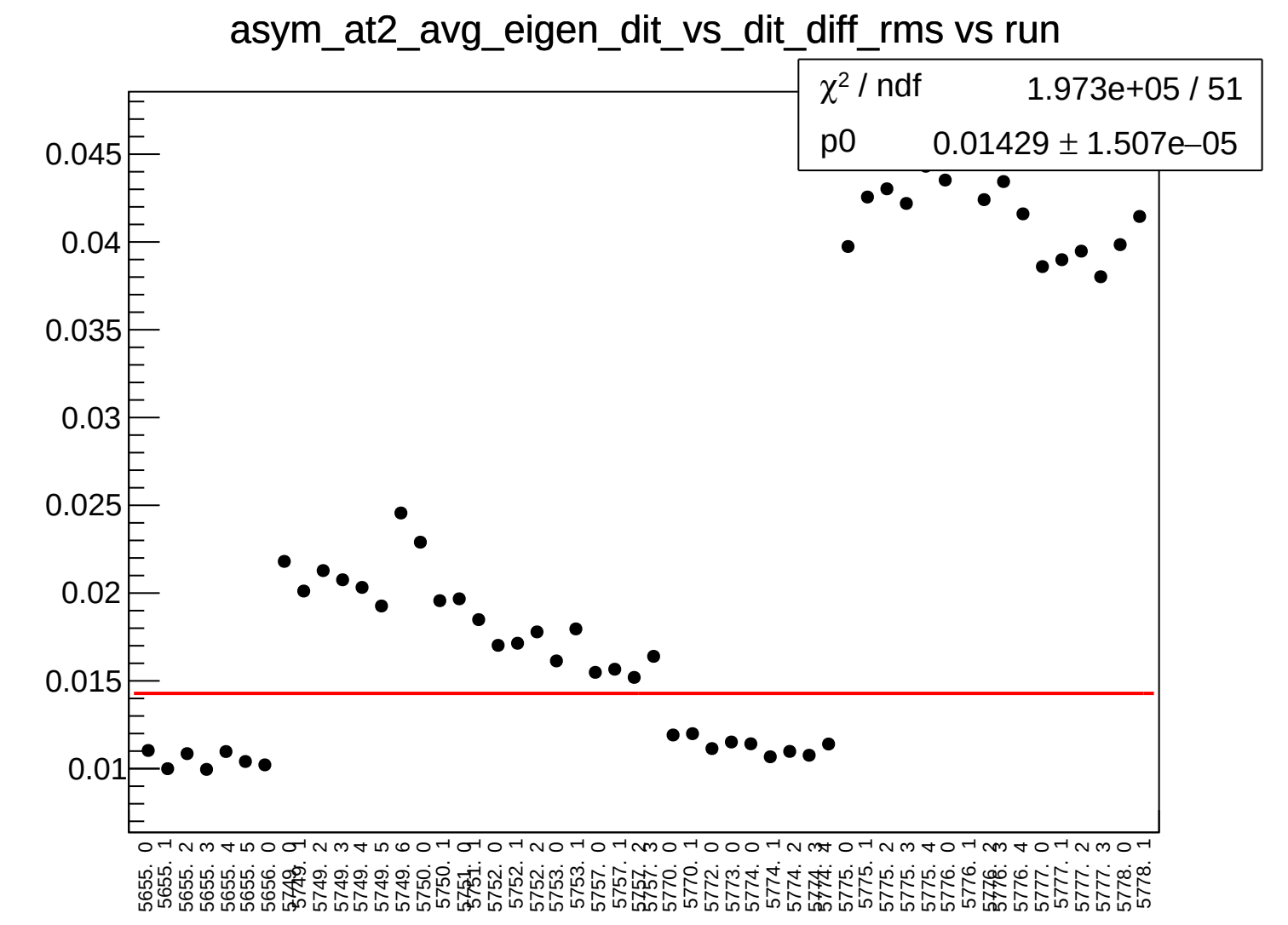

asym_at2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.089e+05 / 51
p0 237.4 ± 0.2389
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

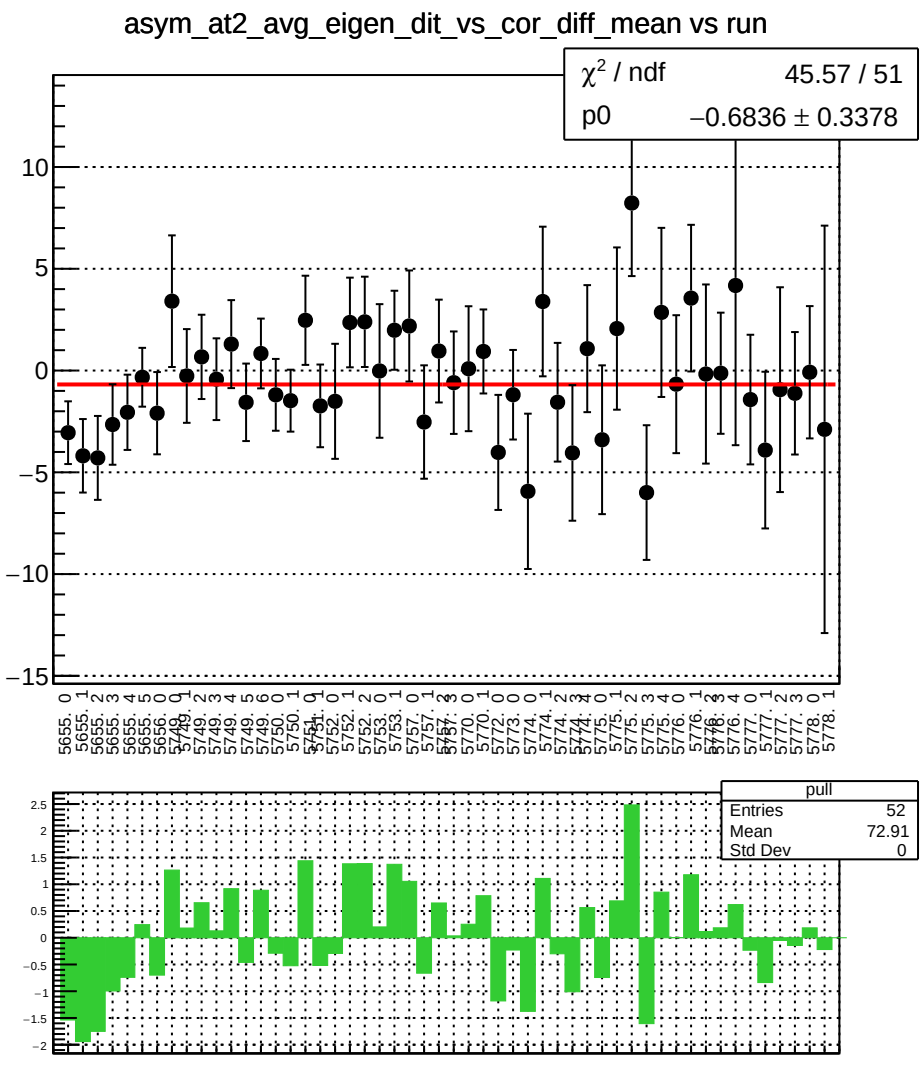

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.57 / 51
p0 −0.6836 ± 0.3378
pull
Entries 52
Mean 72.92
Std Dev 0

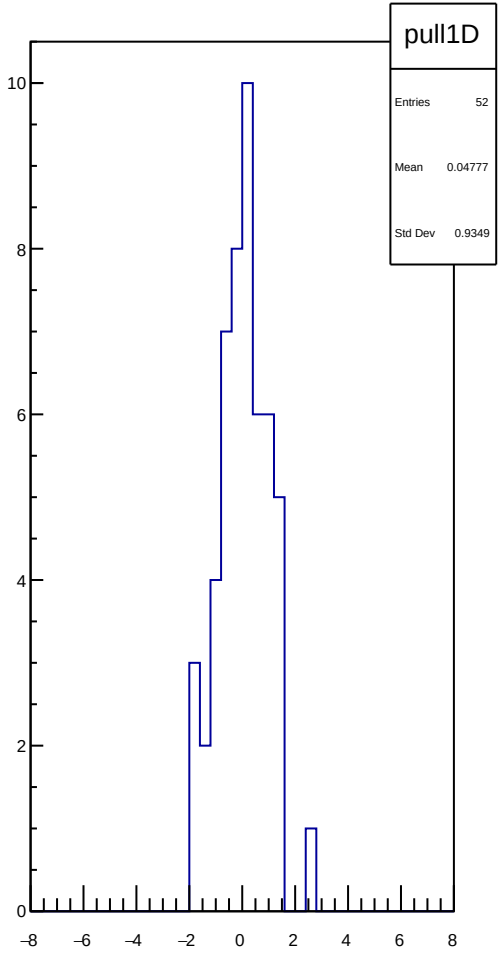

pull1D
Entries 52
Mean 0.04776
Std Dev 0.9349

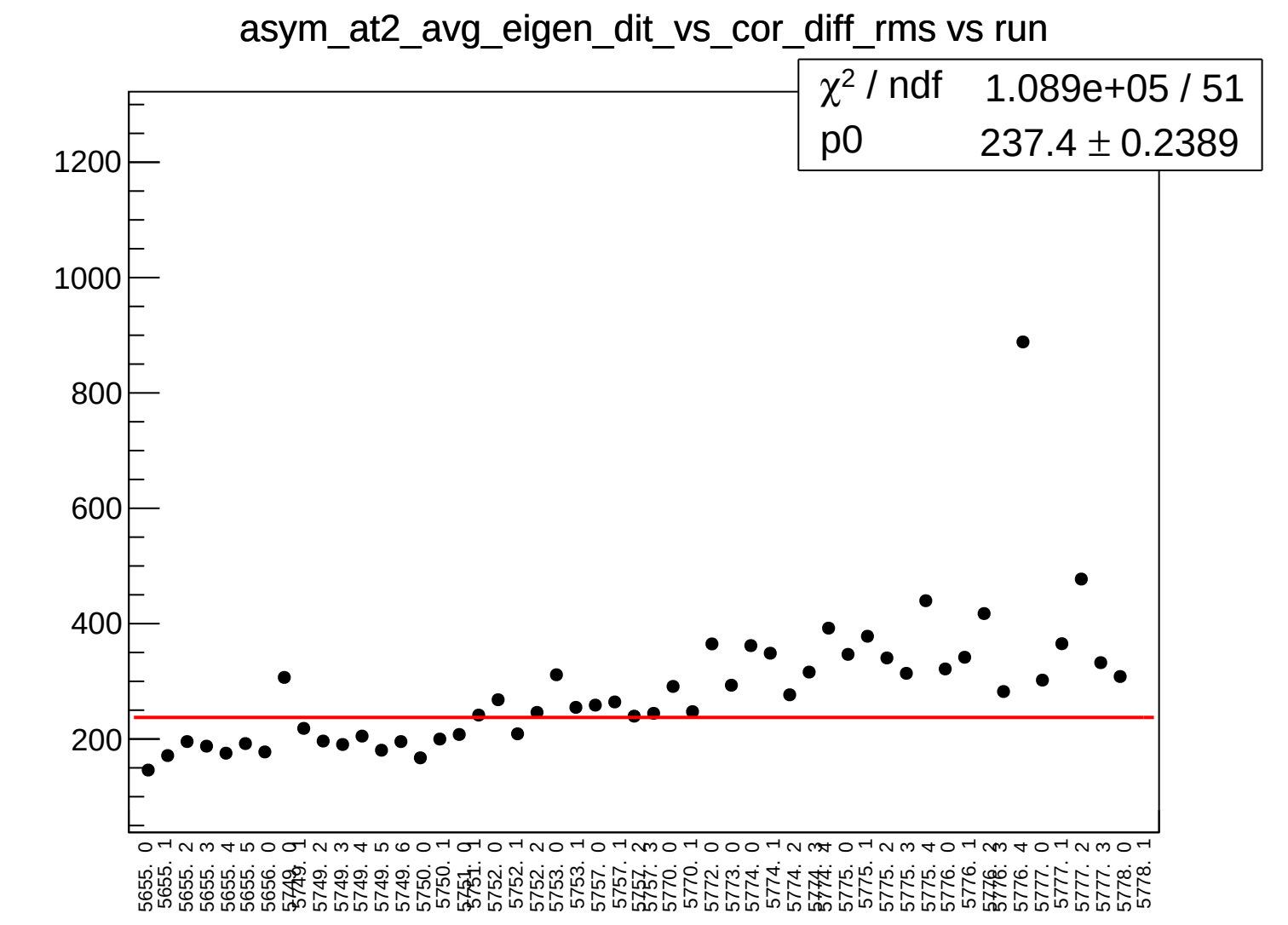

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.089e+05 / 51
p0 237.4 ± 0.2389
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

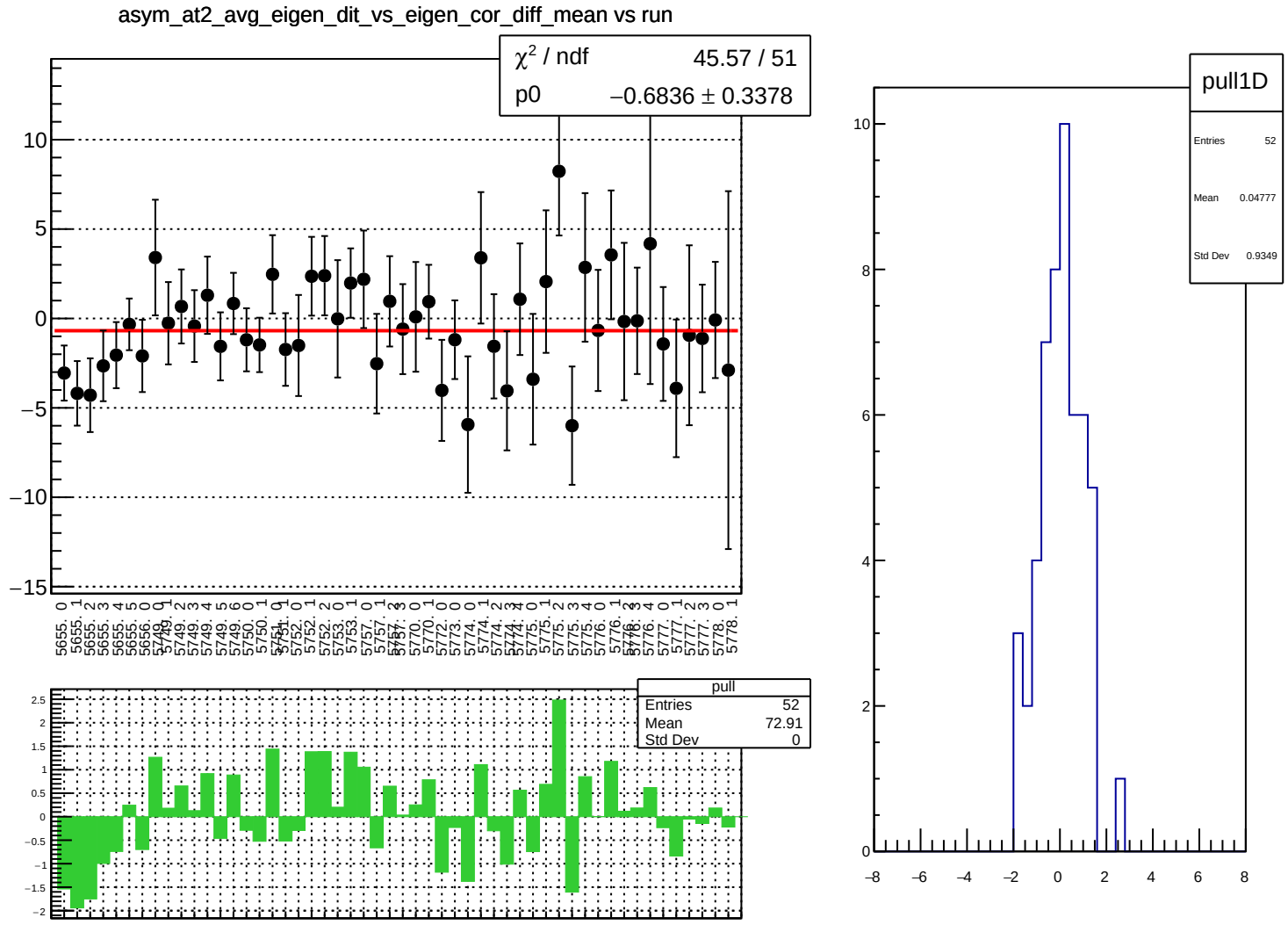

asym_at2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 45.18 / 51
p0 1.811e−05 ± 2.131e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 52
Mean 35.24
Std Dev 18.82
pull1D
Entries 52
Mean −0.0582
Std Dev 0.9303

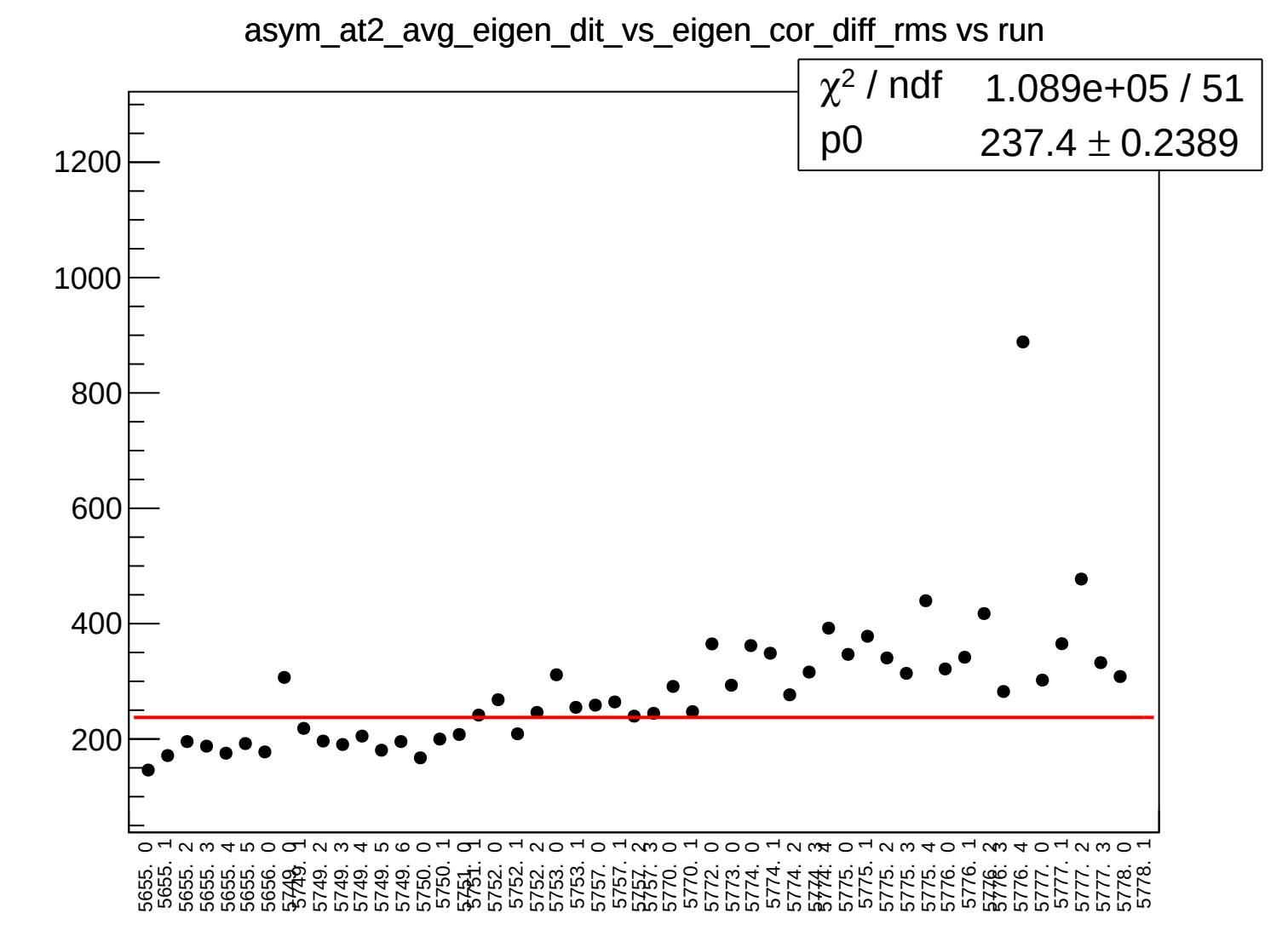

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.973e+05 / 51
p0 0.01429 ± 1.507e–05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

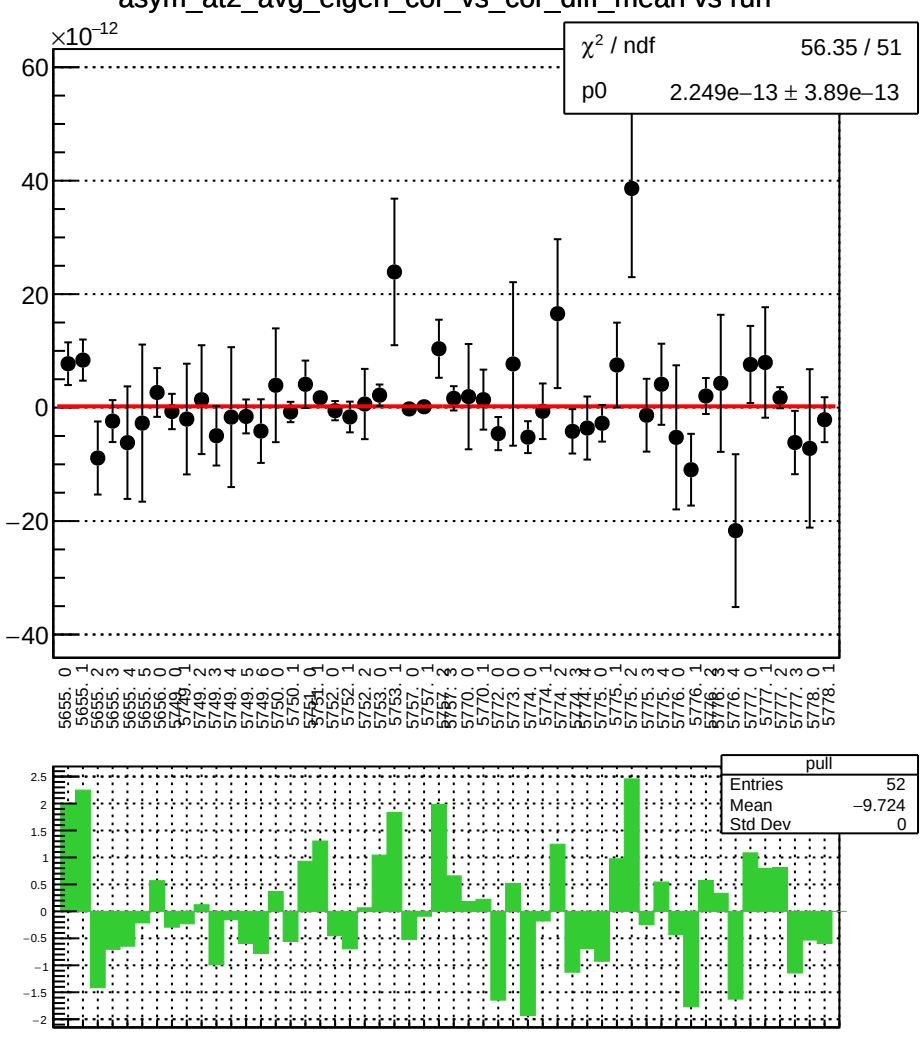

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 45.57 / 51
p0 −0.6836 ± 0.3378
pull
Entries 52
Mean 72.91
Std Dev 0

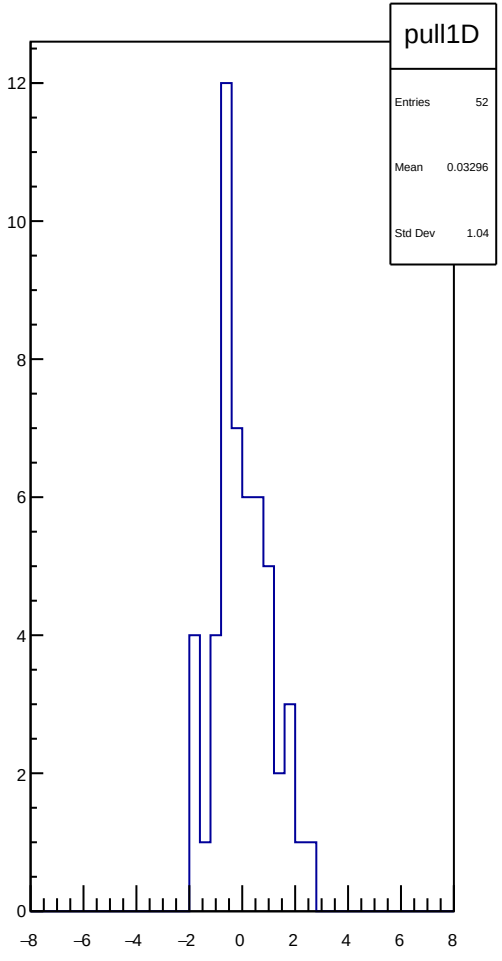

pull1D
Entries 52
Mean 0.04777
Std Dev 0.9349

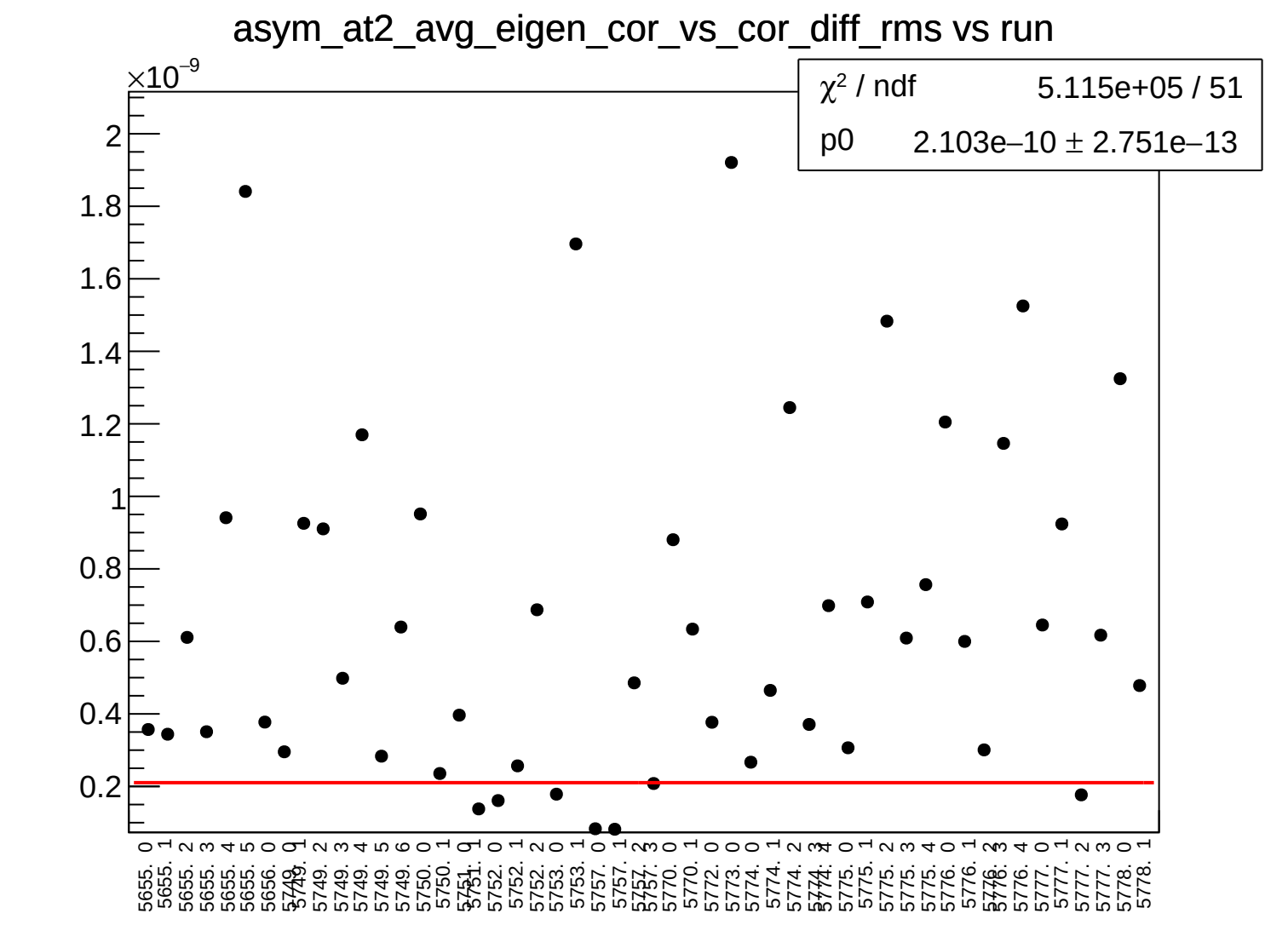

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.089e+05 / 51
p0 237.4 ± 0.2389
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

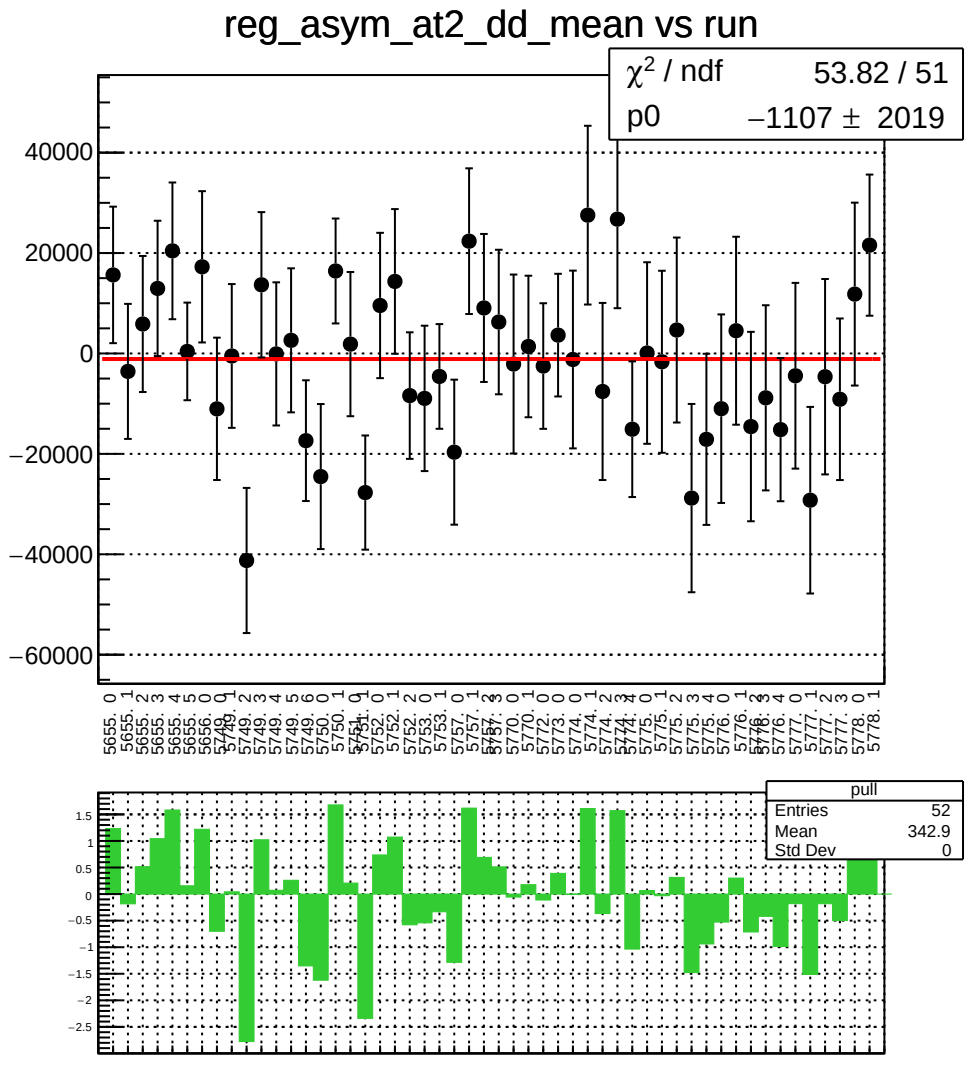

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.57 / 51
p0 −0.6836 ± 0.3378
pull
Entries 52
Mean 72.91
Std Dev 0
pull1D
Entries 52
Mean 0.04777
Std Dev 0.9349

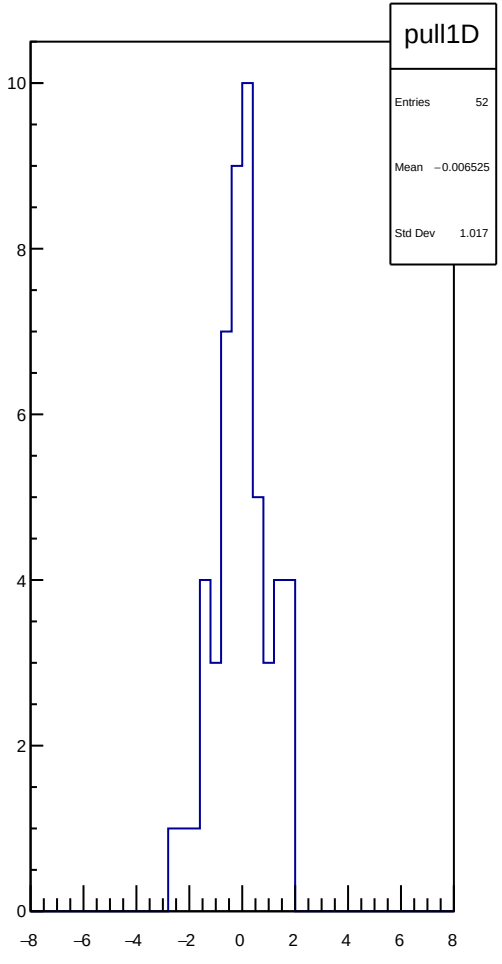

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.089e+05 / 51
p0 237.4 ± 0.2389
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

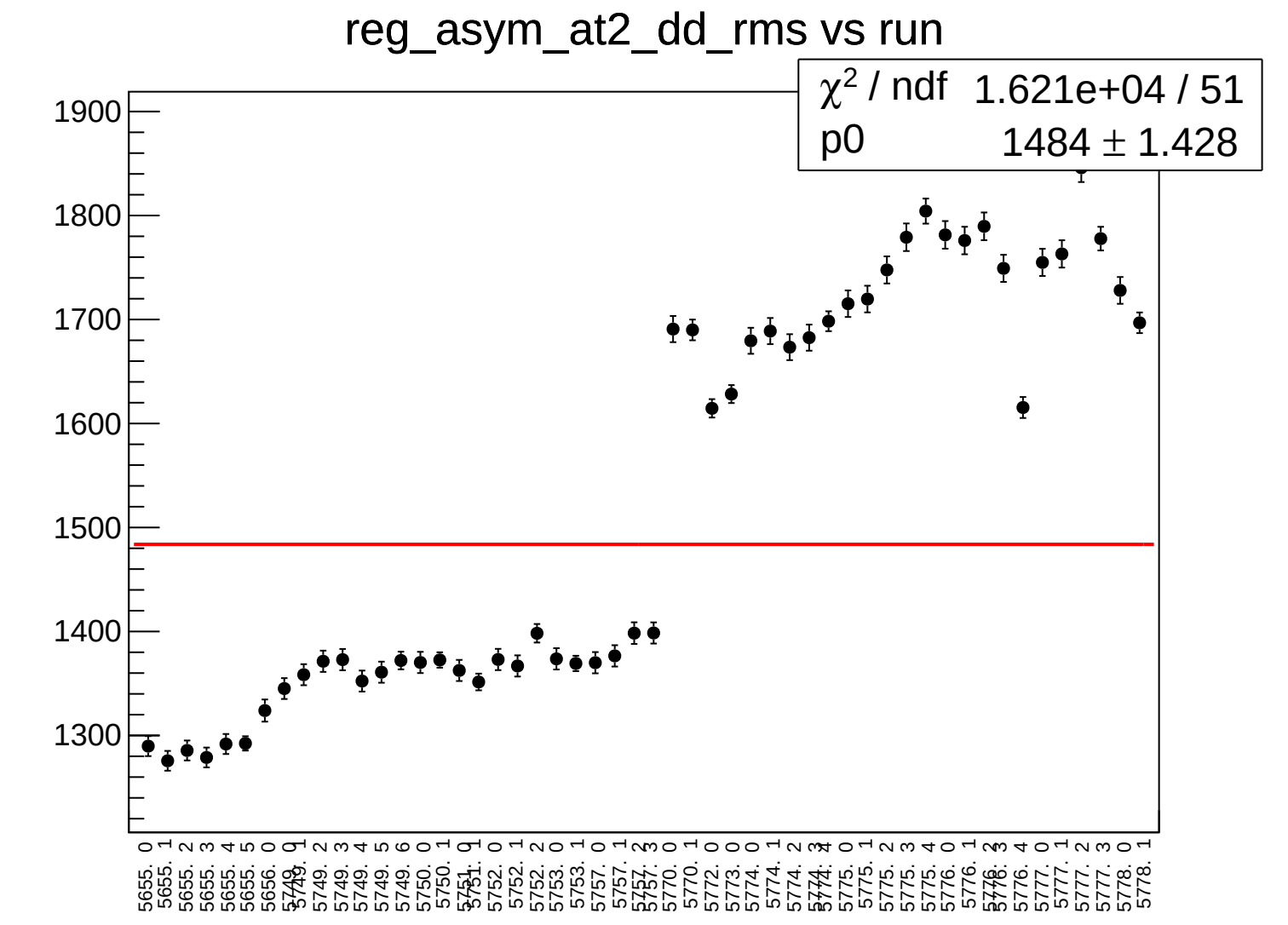

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56.35 / 51
p0 2.249e−13 ± 3.89e−13
pull
Entries 52
Mean −9.724
Std Dev 0

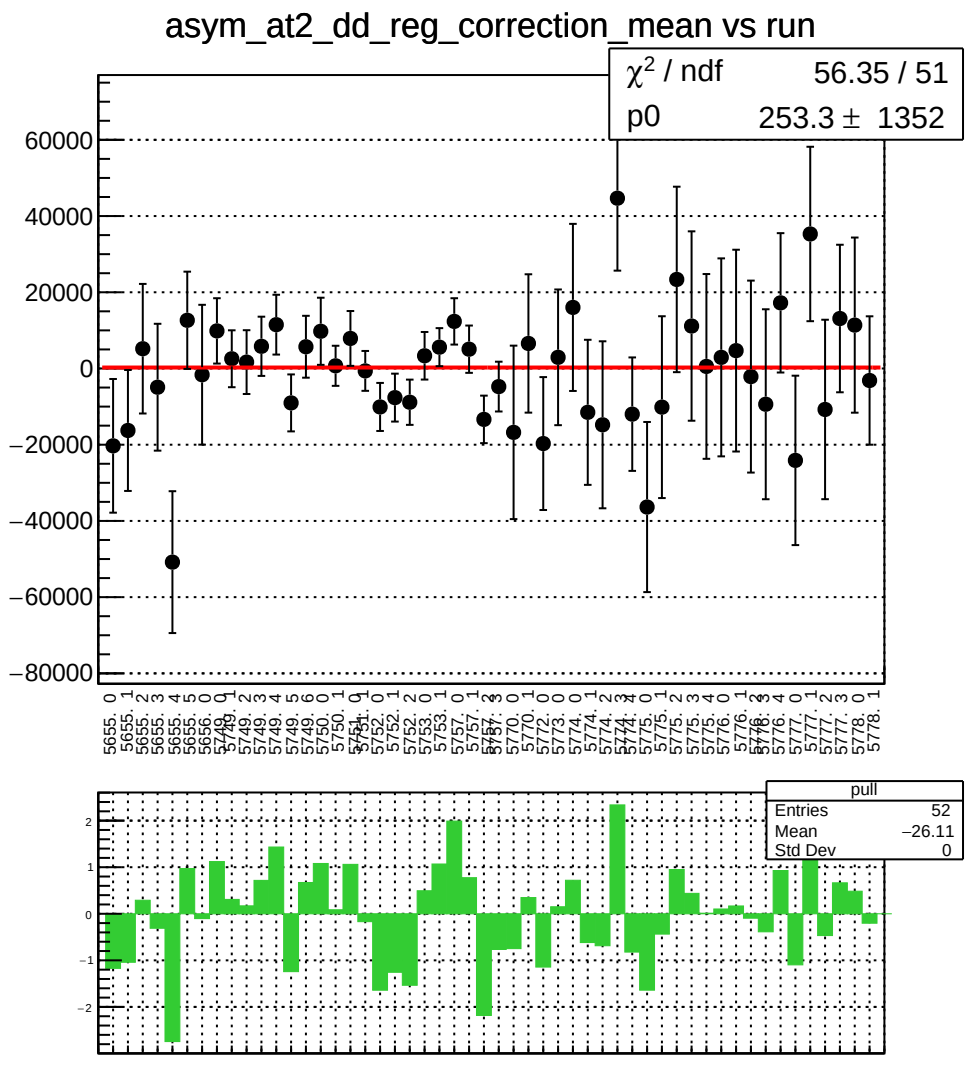

pull1D
Entries 52
Mean 0.03296
Std Dev 1.04

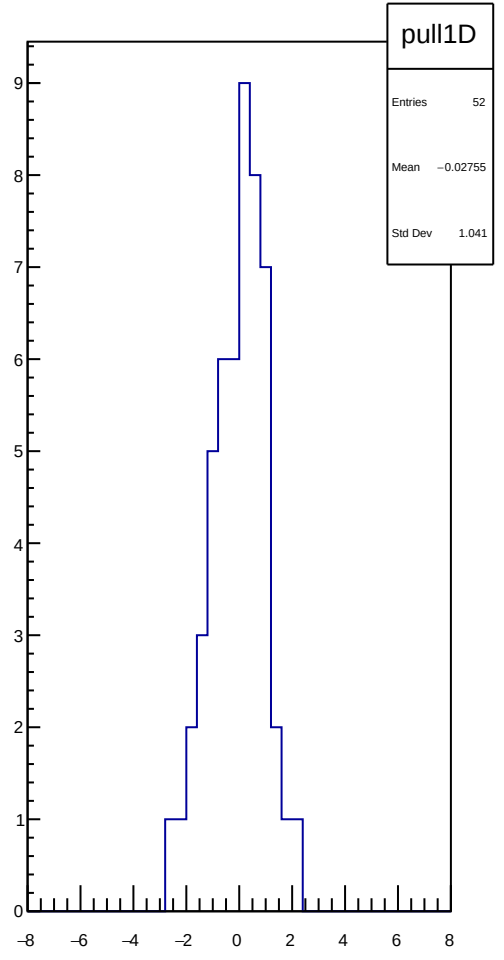

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.115e+05 / 51
p0 2.103e−10 ± 2.751e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

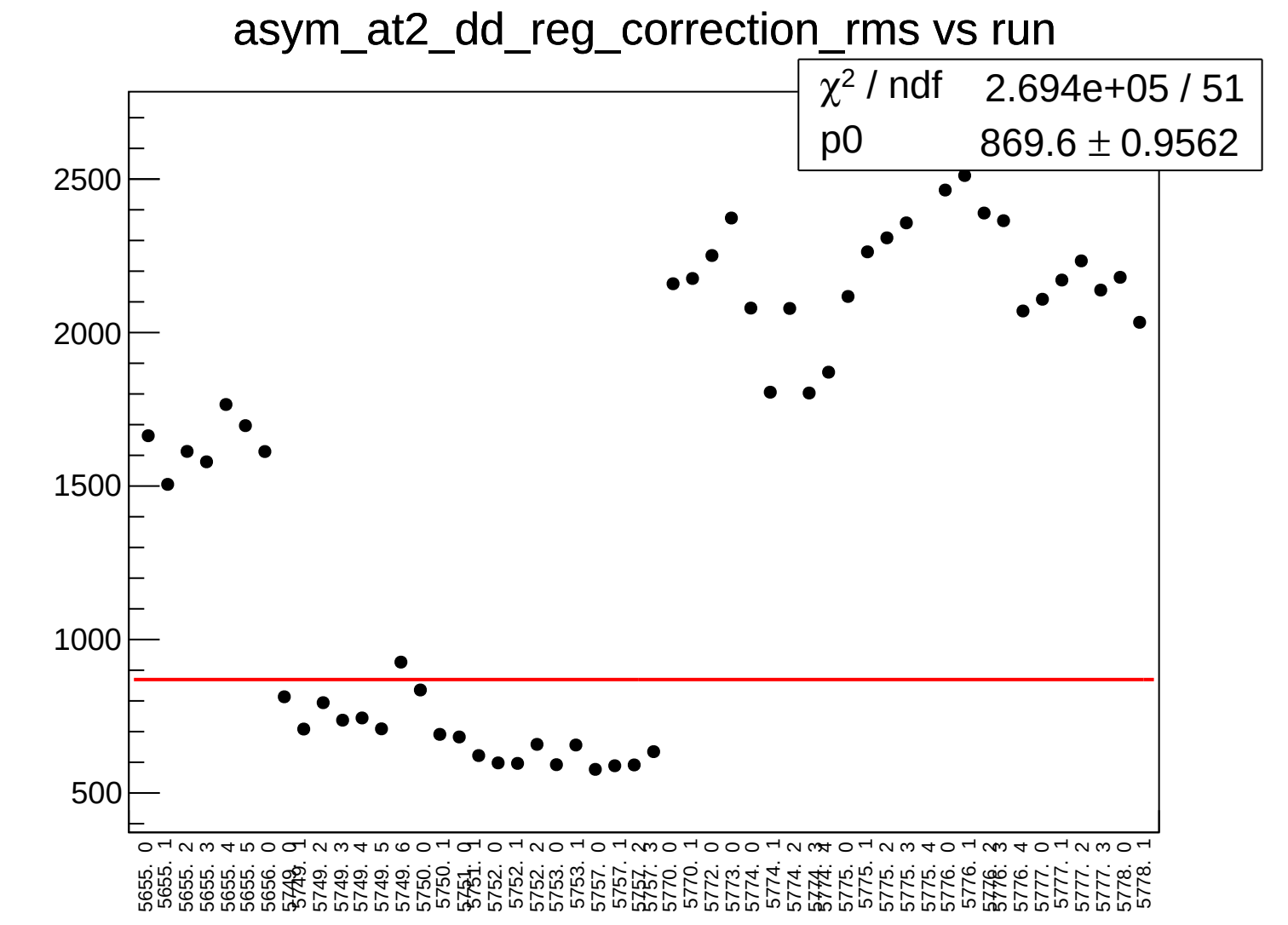

reg_asym_at2_dd_mean vs run
χ² / ndf 53.82 / 51
p0 −1107 ± 2019
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 342.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

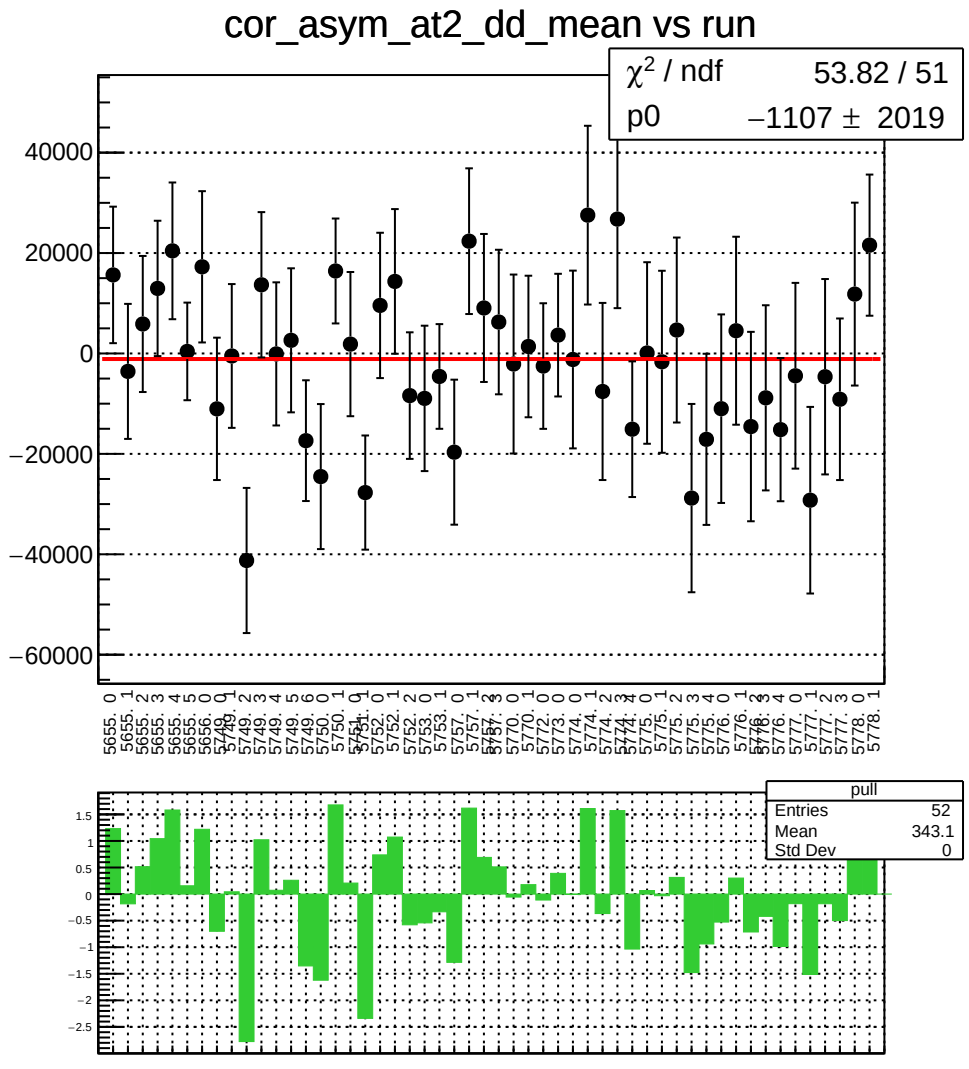

pull1D
Entries 52
Mean −0.006525
Std Dev 1.017
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

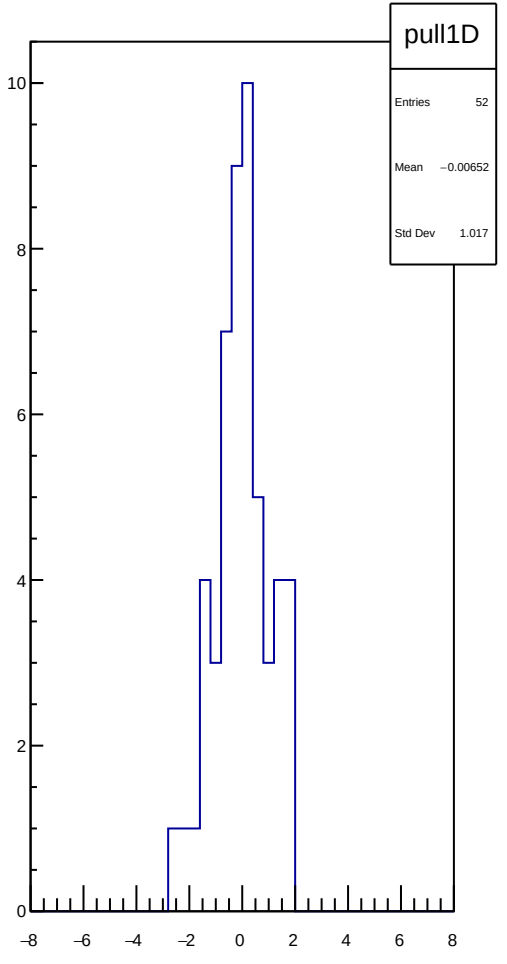

reg_asym_at2_dd_rms vs run
χ² / ndf 1.621e+04 / 51
p0 1484 ± 1.428
1900
1800
1700
1600
1500
1400
1300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

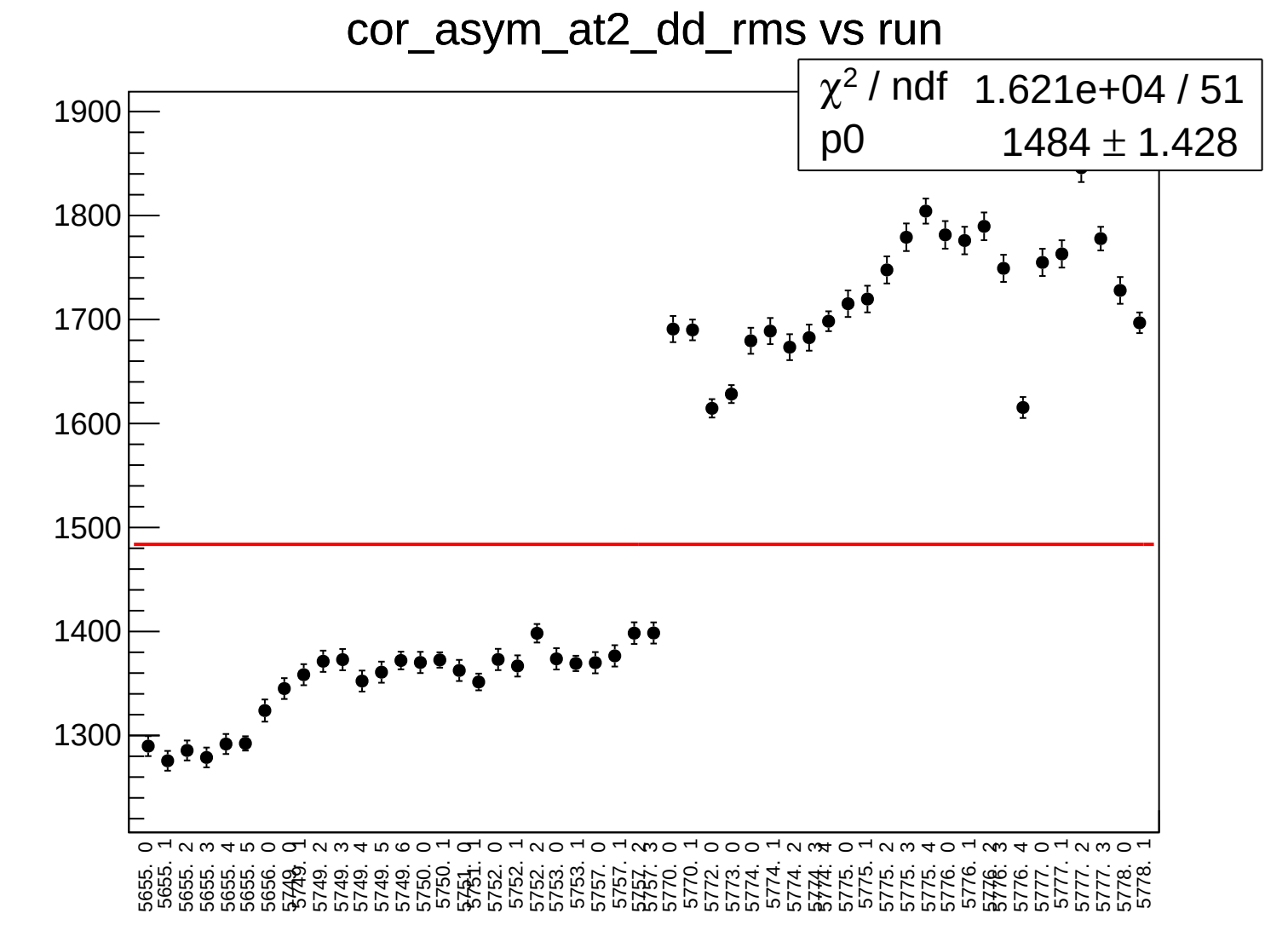

asym_at2_dd_reg_correction_mean vs run
χ² / ndf 56.35 / 51
p0 253.3 ± 1352
pull
Entries 52
Mean −26.11
Std Dev 0

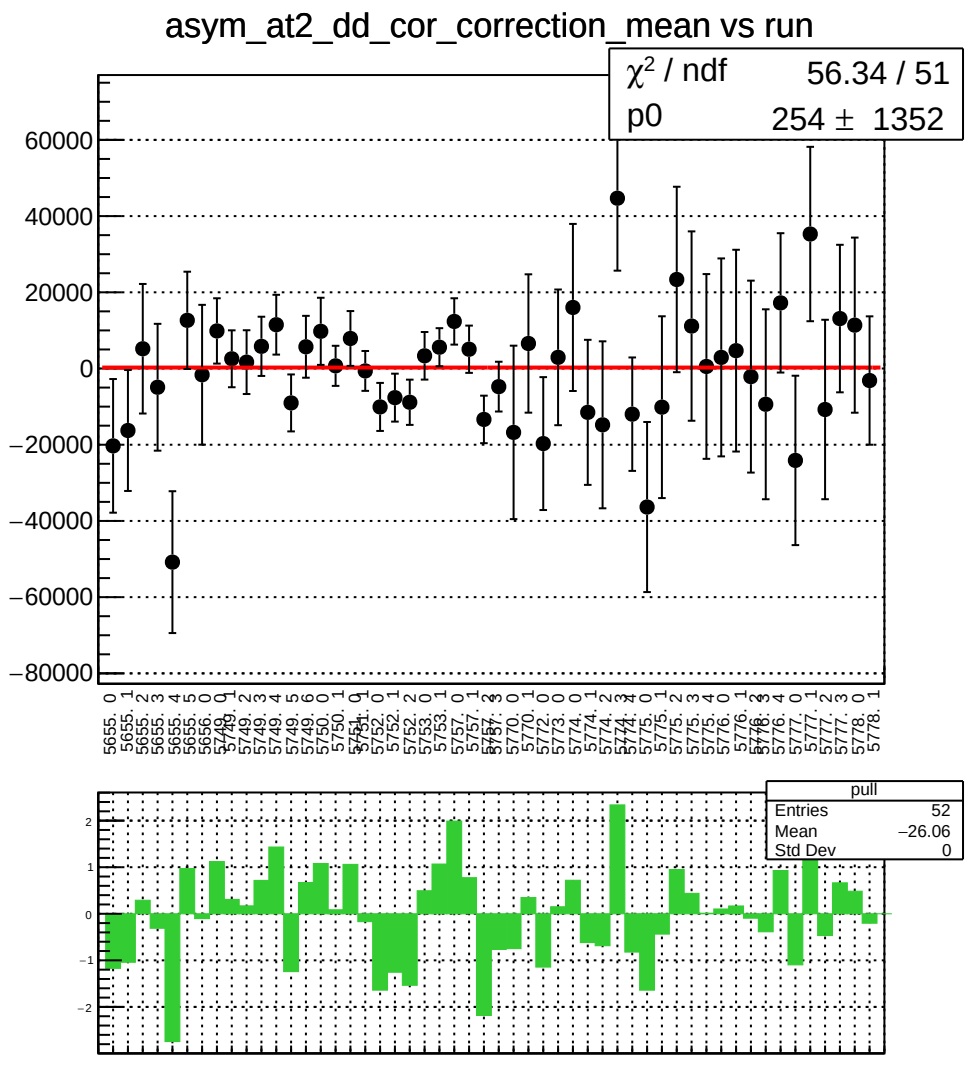

pull1D
Entries 52
Mean −0.02755
Std Dev 1.041

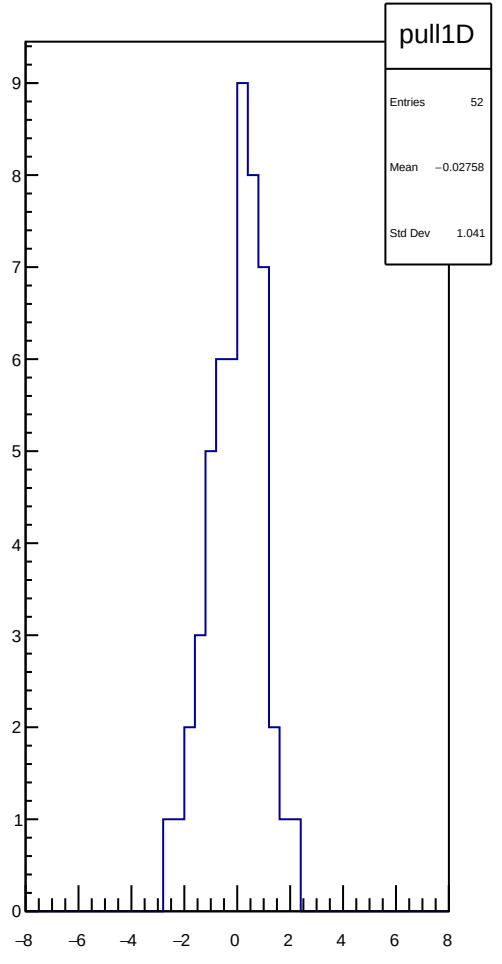

asym_at2_dd_reg_correction_rms vs run
χ² / ndf 2.694e+05 / 51
p0 869.6 ± 0.9562
2500
2000
1500
1000
500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

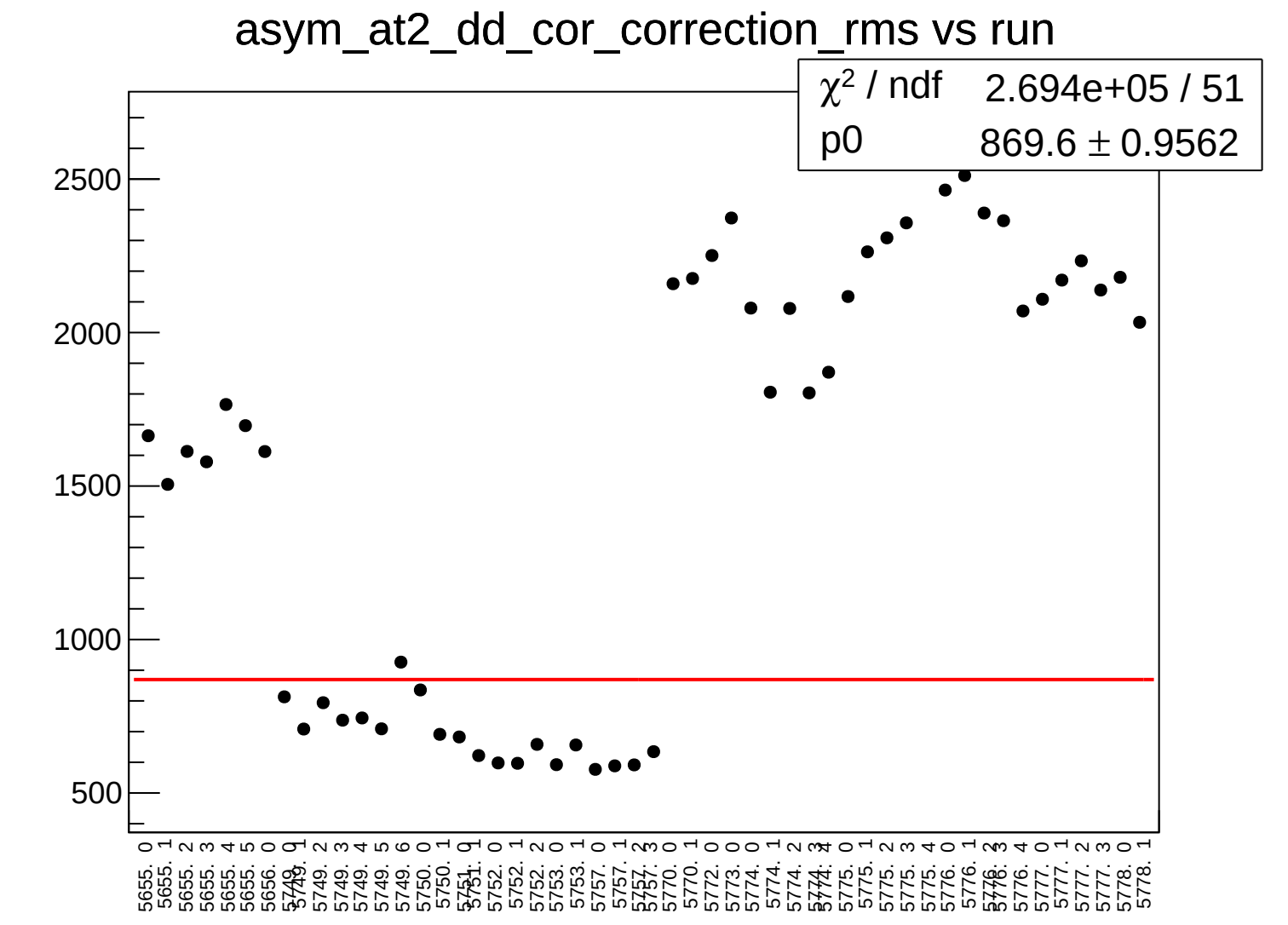

cor_asym_at2_dd_mean vs run
χ² / ndf 53.82 / 51
p0 −1107 ± 2019
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 343.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

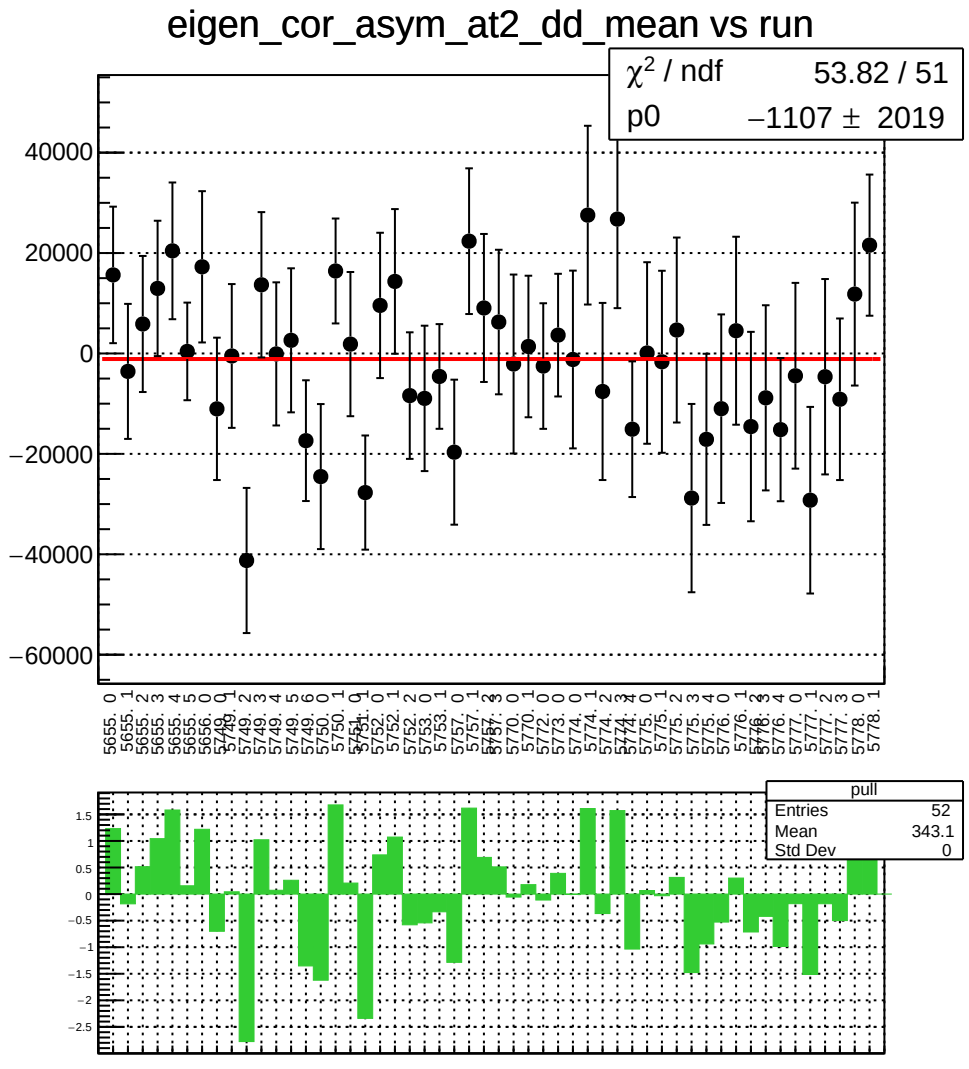

pull1D
Entries 52
Mean −0.00652
Std Dev 1.017
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

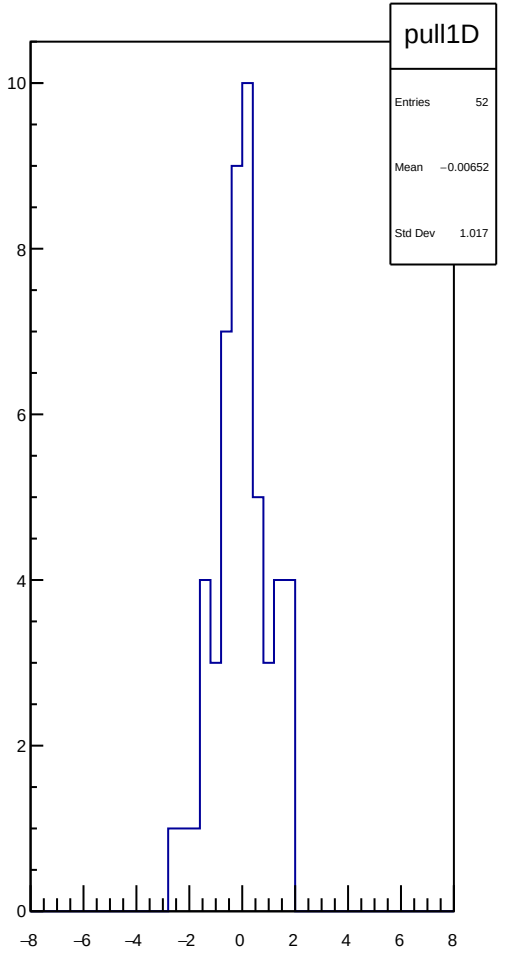

cor_asym_at2_dd_rms vs run
χ^2 / ndf 1.621e+04 / 51
p0 1484 ± 1.428
1900
1800
1700
1600
1500
1400
1300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

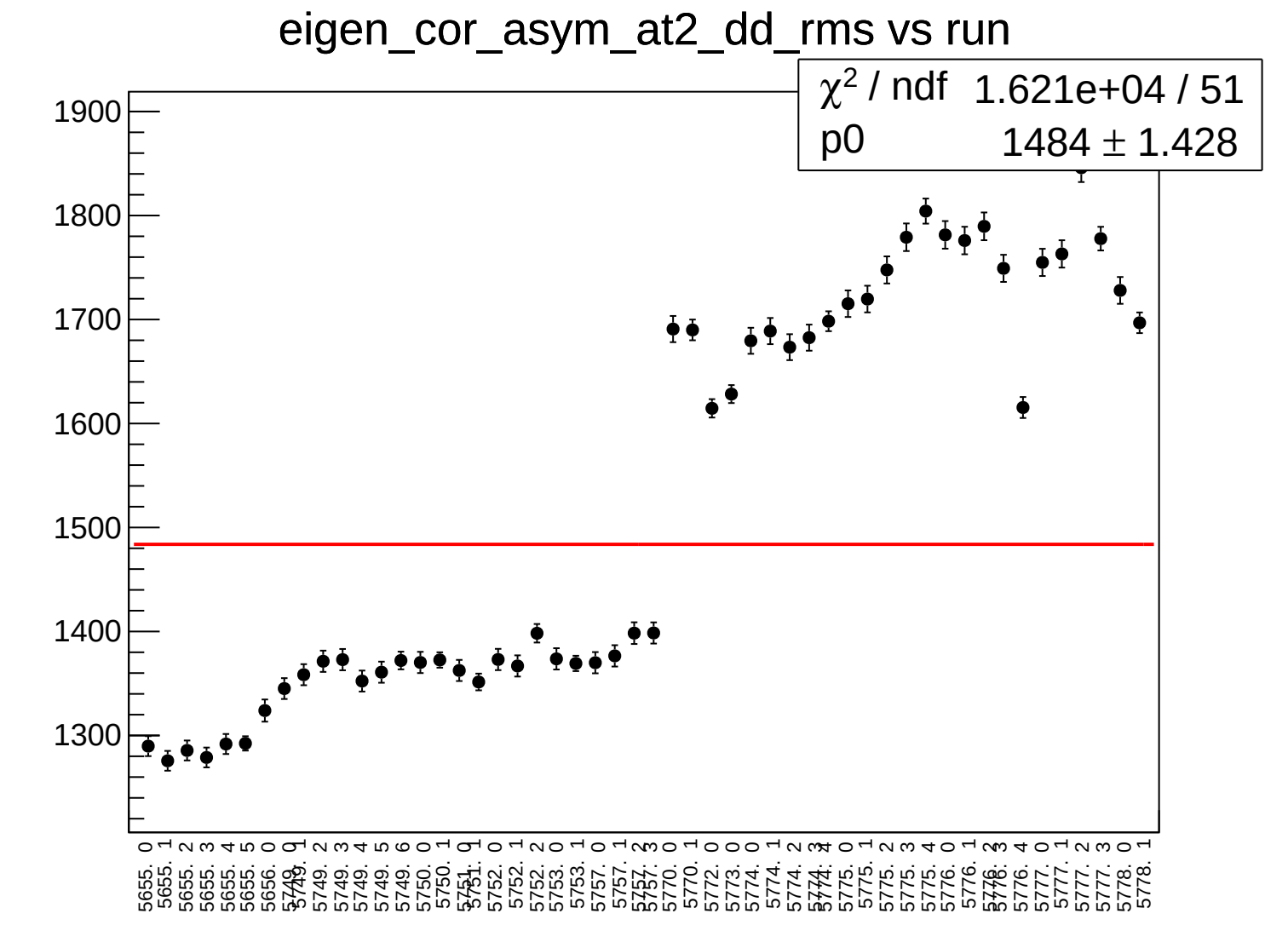

asym_at2_dd_cor_correction_mean vs run
χ² / ndf 56.34 / 51
p0 254 ± 1352
pull
Entries 52
Mean −26.06
Std Dev 0

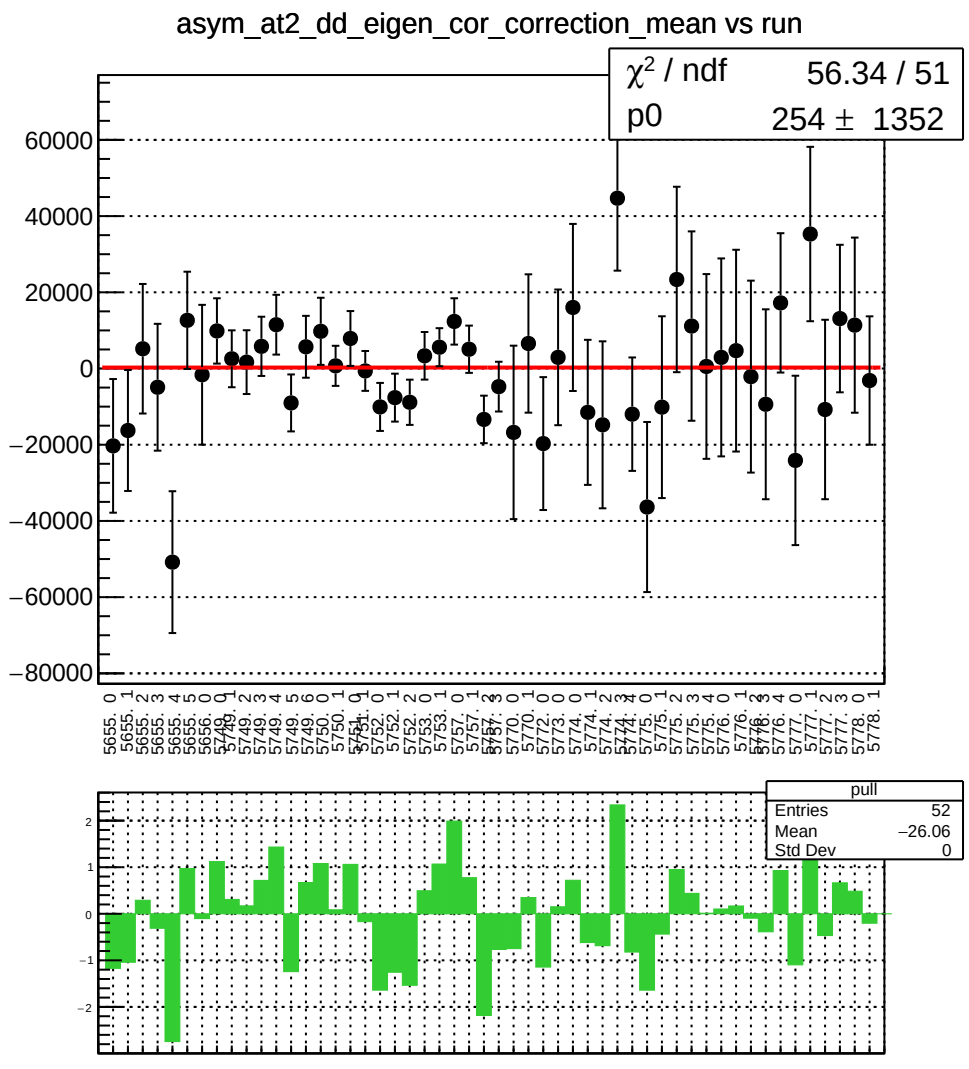

pull1D
Entries 52
Mean −0.02758
Std Dev 1.041

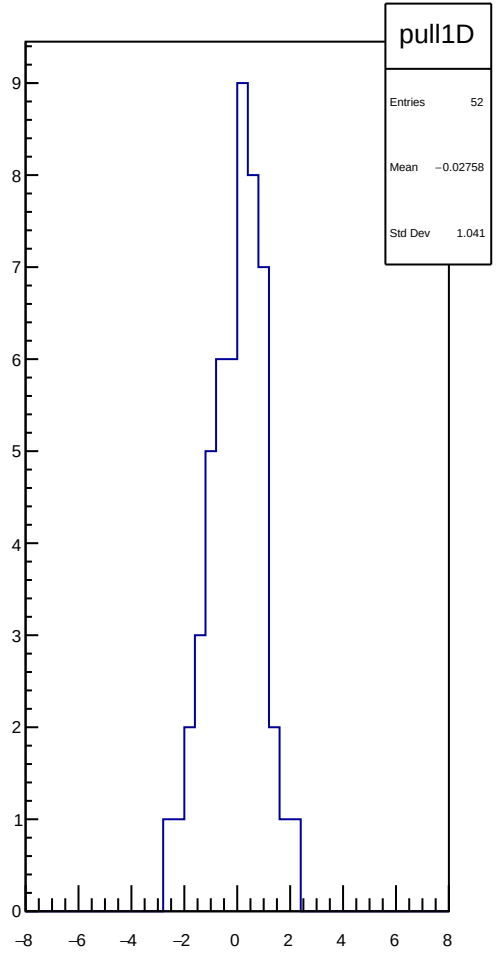

asym_at2_dd_cor_correction_rms vs run
χ² / ndf 2.694e+05 / 51
p0 869.6 ± 0.9562
2500
2000
1500
1000
500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

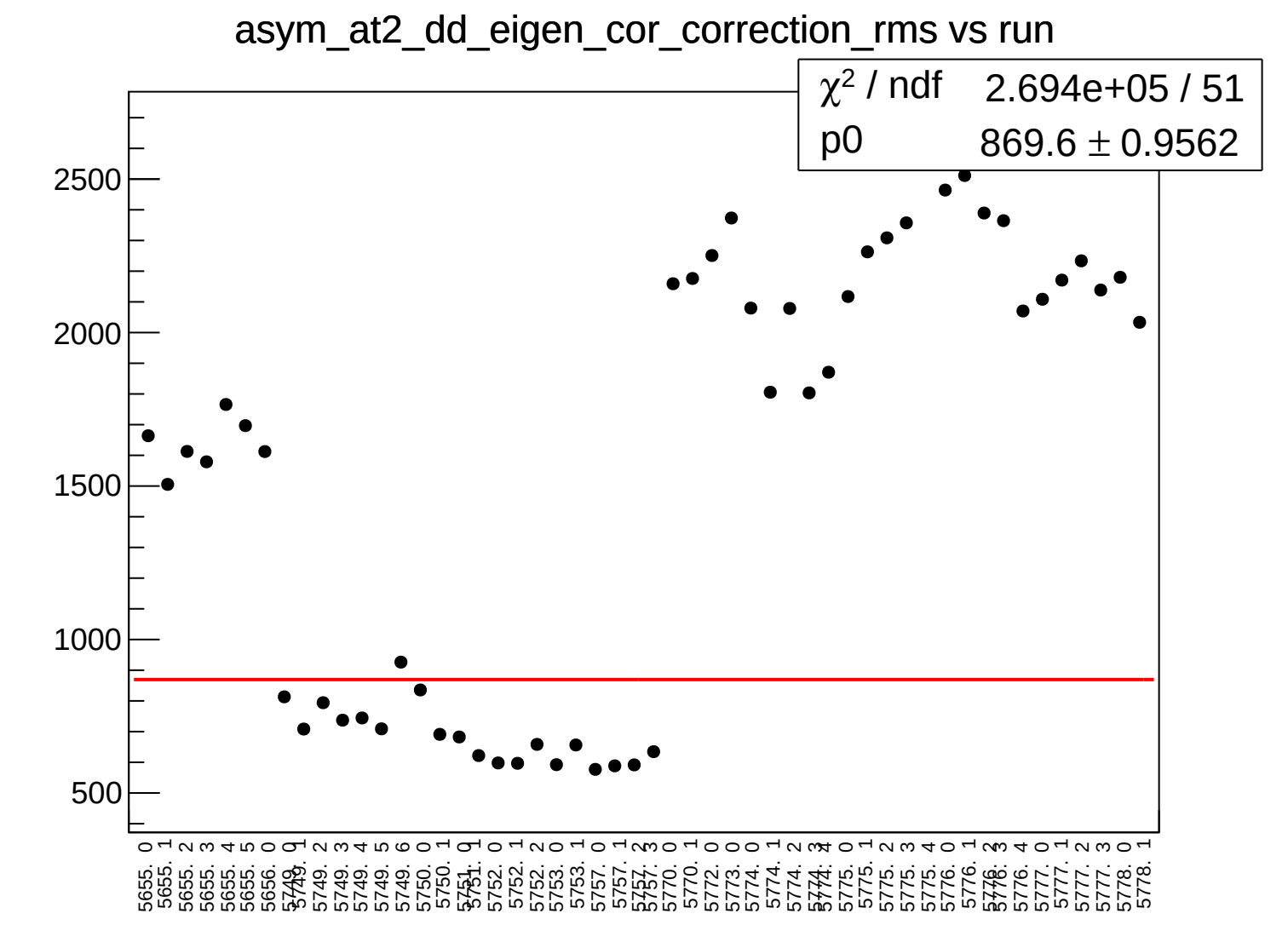

eigen_cor_asym_at2_dd_mean vs run
χ² / ndf 53.82 / 51
p0 −1107 ± 2019
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 343.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

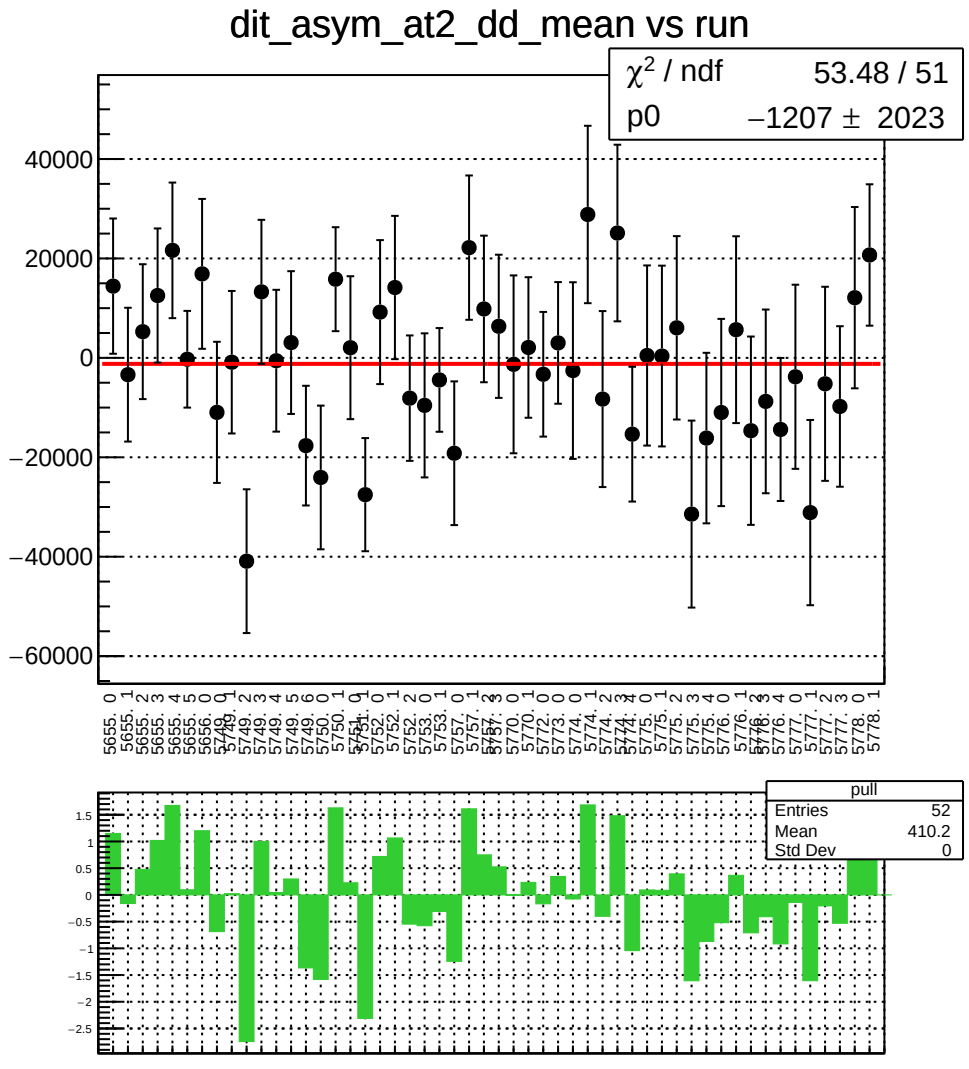

pull1D
Entries 52
Mean −0.00652
Std Dev 1.017
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

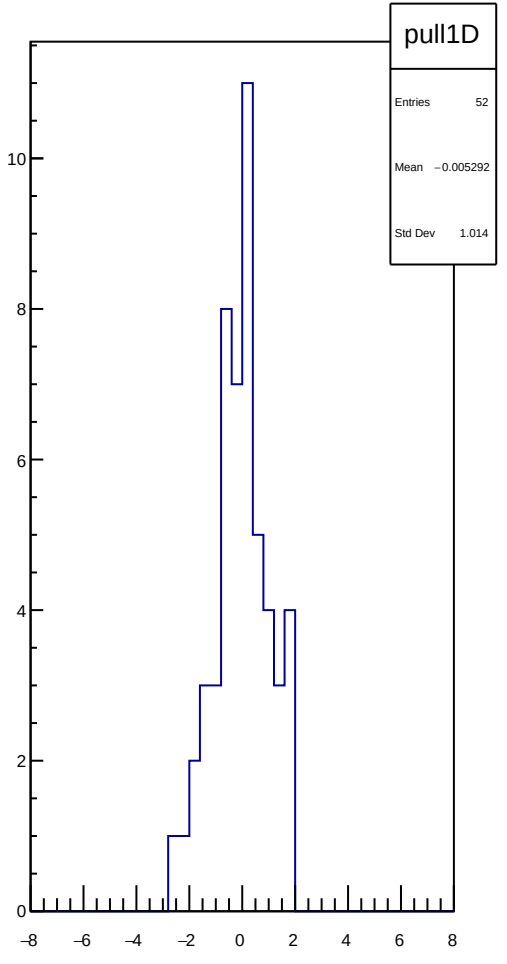

eigen_cor_asym_at2_dd_rms vs run
χ² / ndf 1.621e+04 / 51
p0 1484 ± 1.428
1900
1800
1700
1600
1500
1400
1300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

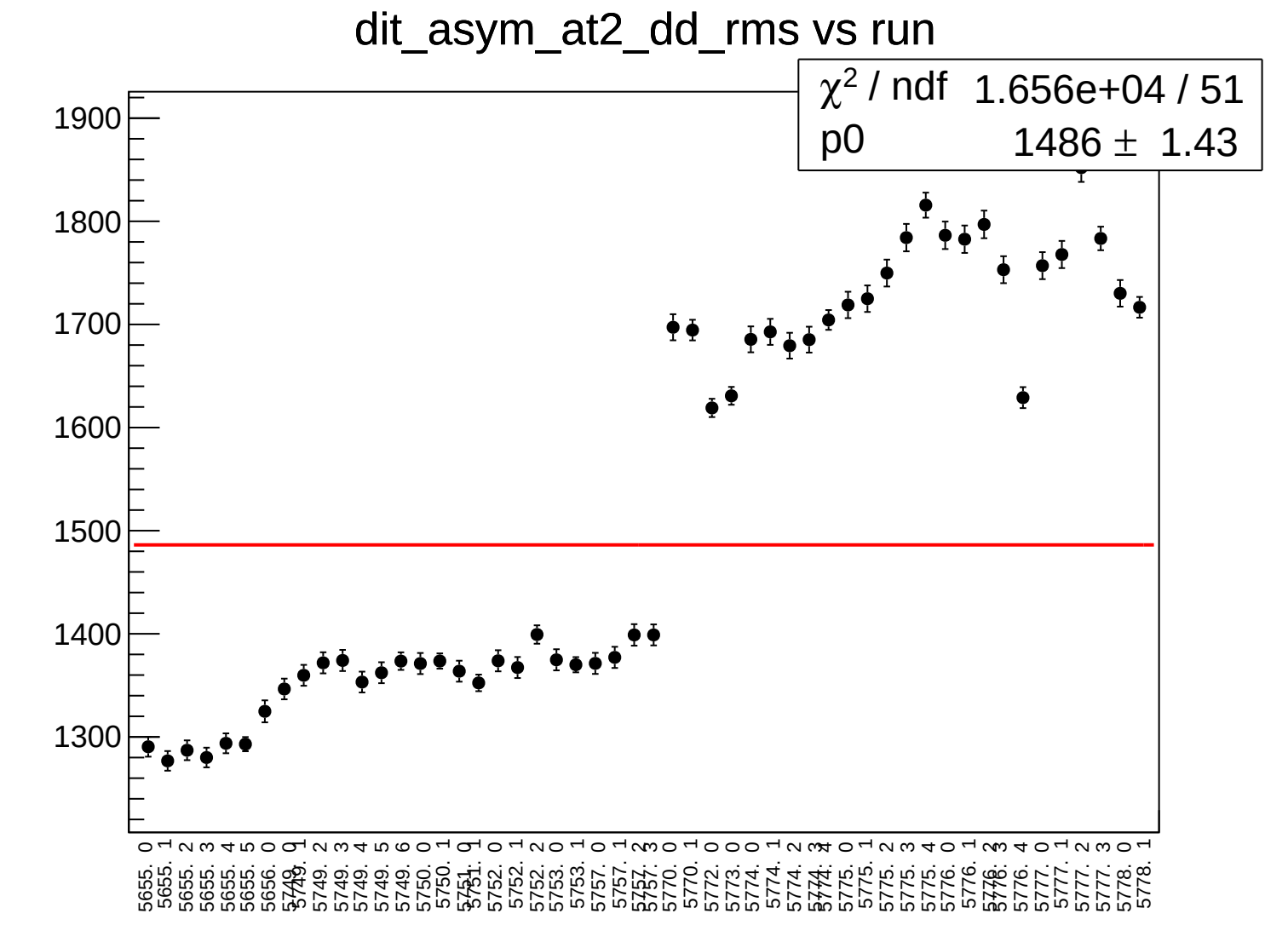

asym_at2_dd_eigen_cor_correction_mean vs run
χ² / ndf 56.34 / 51
p0 254 ± 1352
pull
Entries 52
Mean −26.06
Std Dev 0

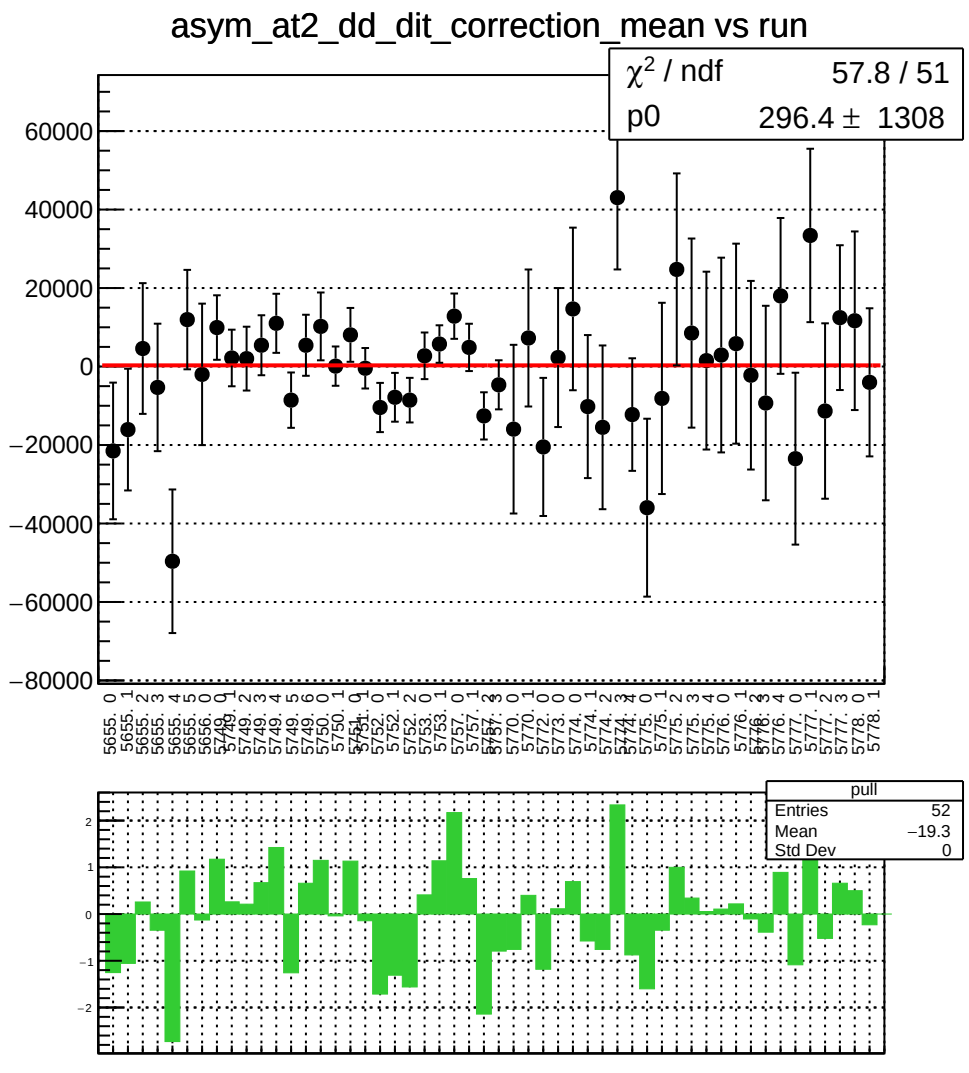

pull1D
Entries 52
Mean −0.02758
Std Dev 1.041

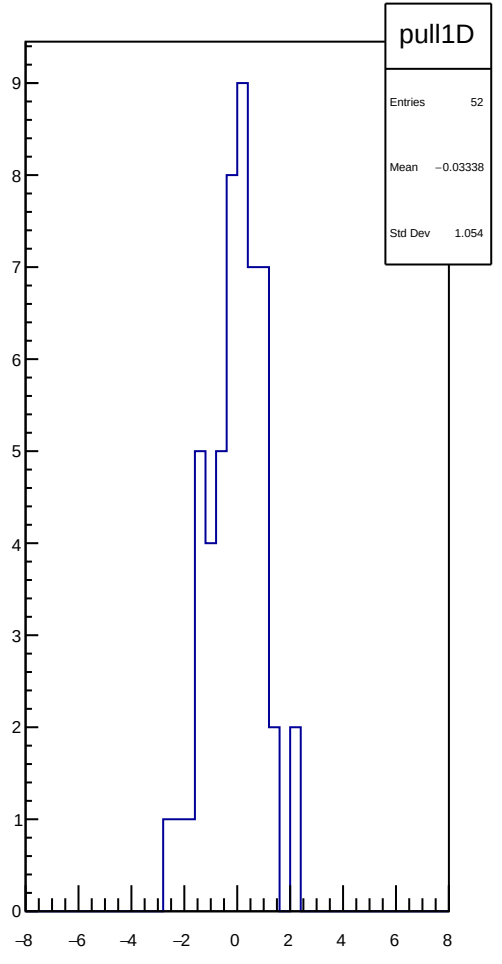

asym_at2_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.694e+05 / 51
p0 869.6 ± 0.9562
2500
2000
1500
1000
500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

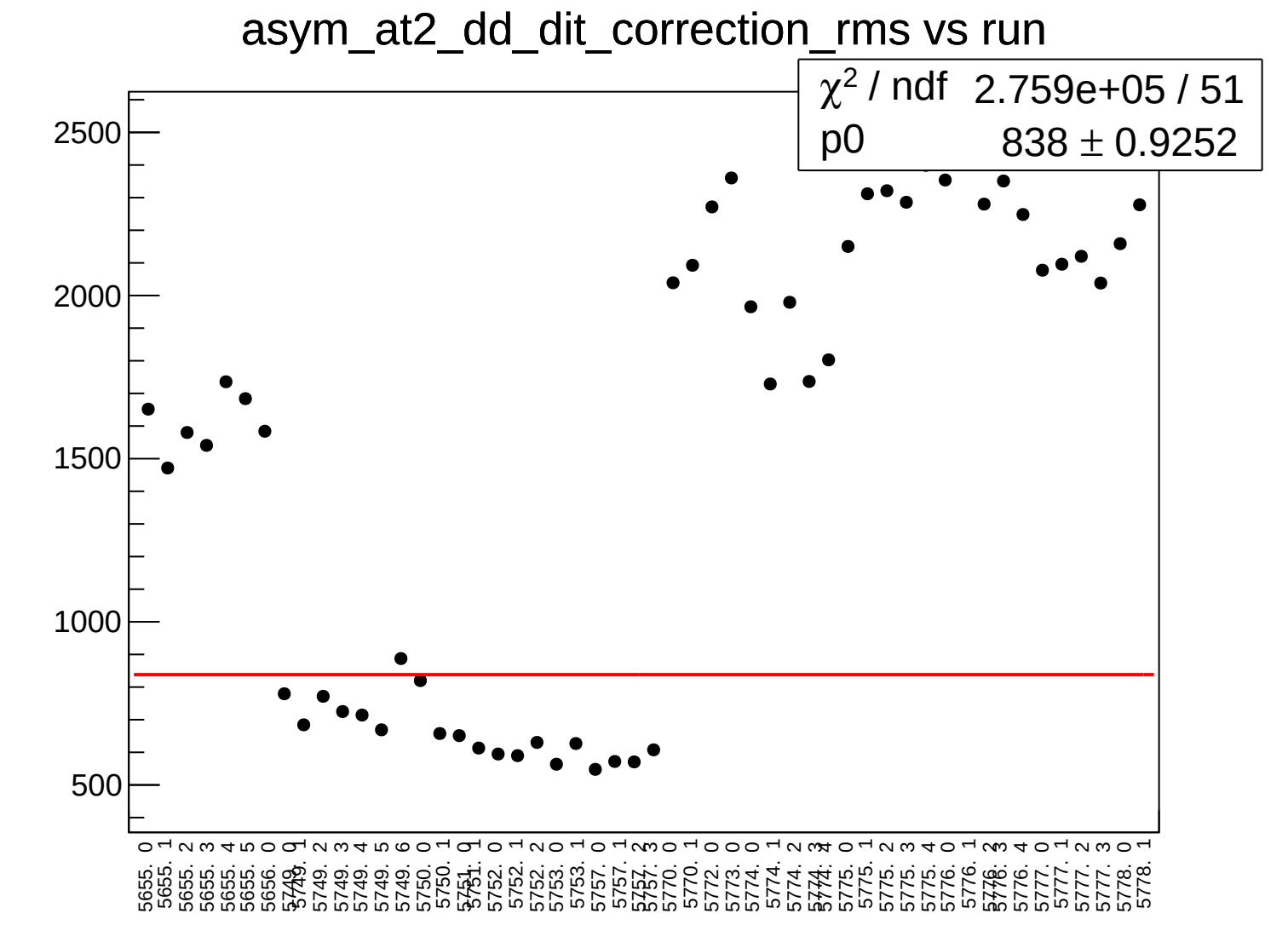

dit_asym_at2_dd_mean vs run
χ² / ndf 53.48 / 51
p0 −1207 ± 2023
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 410.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

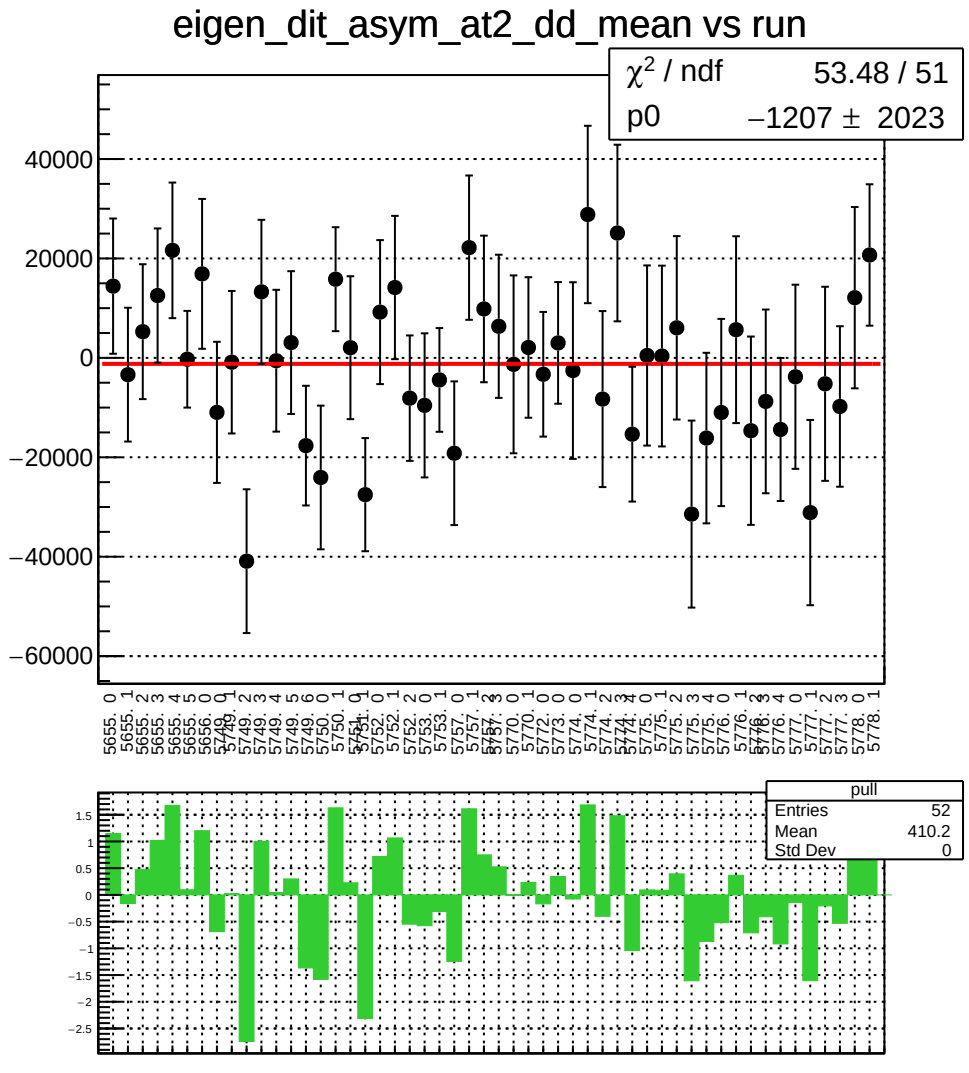

pull1D
Entries 52
Mean −0.005292
Std Dev 1.014
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

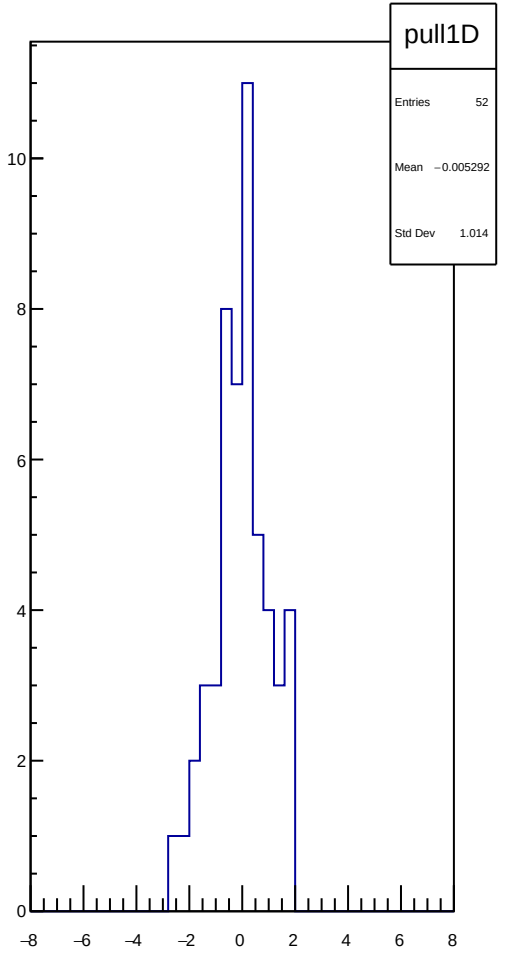

dit_asym_at2_dd_rms vs run
χ² / ndf 1.656e+04 / 51
p0 1486 ± 1.43
1900
1800
1700
1600
1500
1400
1300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

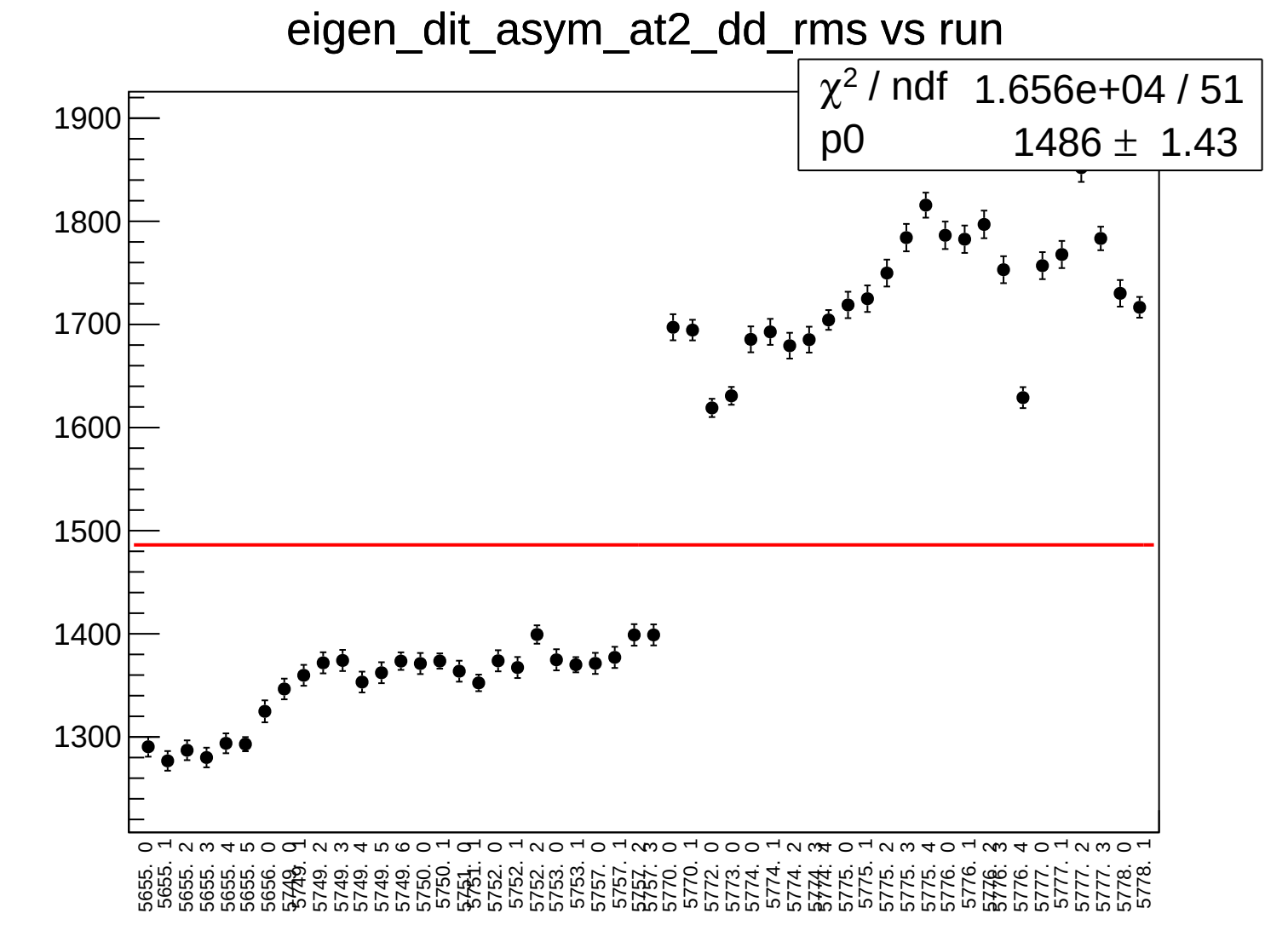

asym_at2_dd_dit_correction_mean vs run
χ² / ndf 57.8 / 51
p0 296.4 ± 1308
pull
Entries 52
Mean −19.3
Std Dev 0

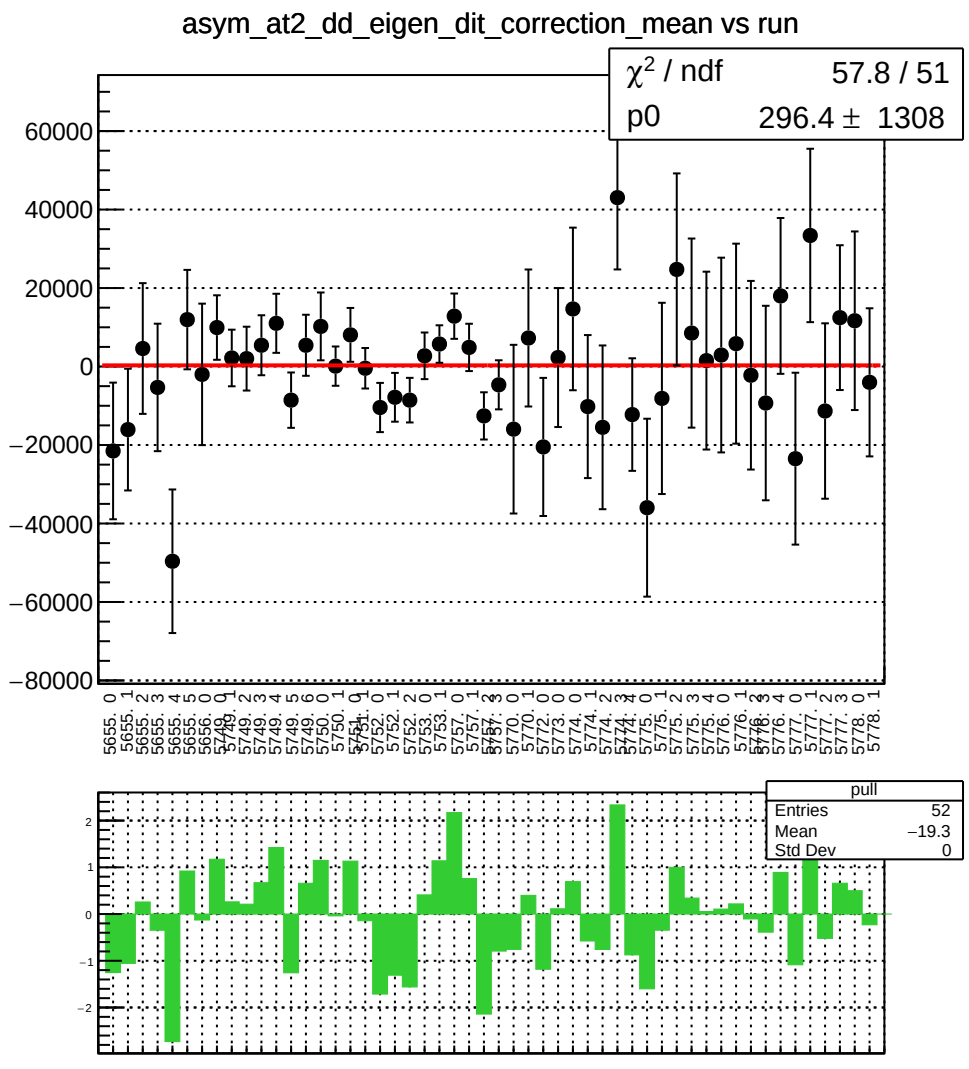

pull1D
Entries 52
Mean −0.03338
Std Dev 1.054

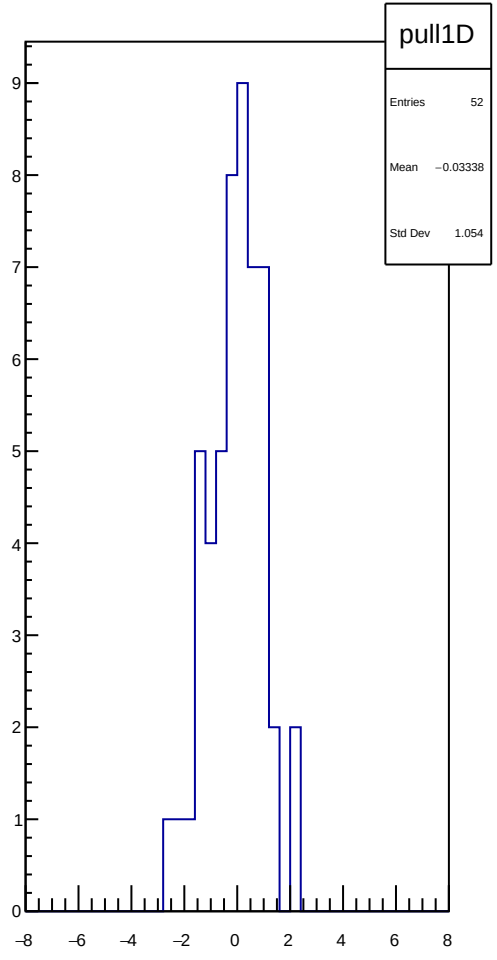

asym_at2_dd_dit_correction_rms vs run
χ^2 / ndf 2.759e+05 / 51
p0 838 ± 0.9252
2500
2000
1500
1000
500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

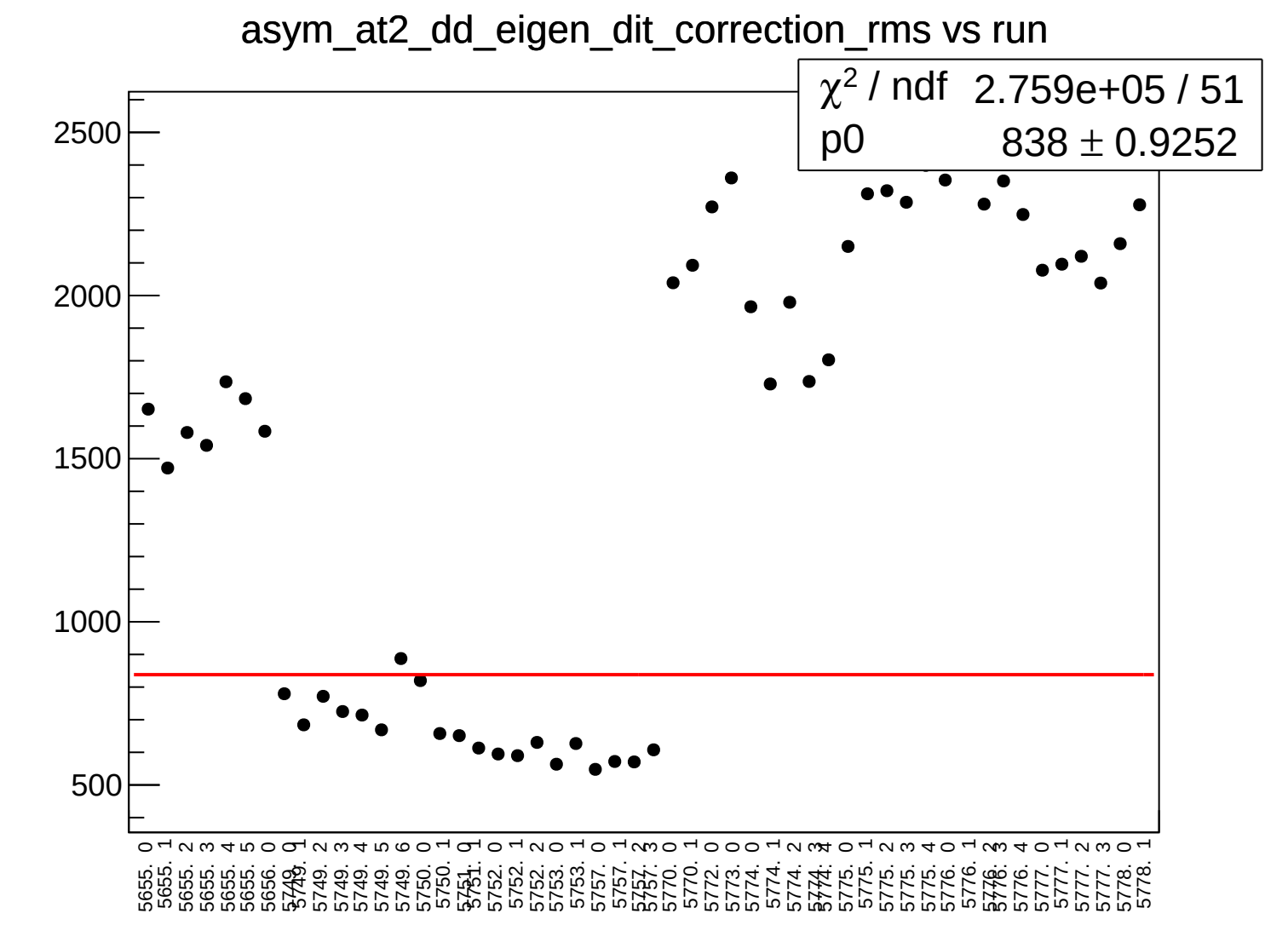

eigen_dit_asym_at2_dd_mean vs run
χ² / ndf 53.48 / 51
p0 −1207 ± 2023
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 410.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 52
Mean −0.005292
Std Dev 1.014
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_at2_dd_rms vs run
χ² / ndf 1.656e+04 / 51
p0 1486 ± 1.43
1900
1800
1700
1600
1500
1400
1300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_at2_dd_eigen_dit_correction_mean vs run
χ² / ndf 57.8 / 51
p0 296.4 ± 1308
pull
Entries 52
Mean −19.3
Std Dev 0


pull1D
Entries 52
Mean −0.03338
Std Dev 1.054


asym_at2_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.759e+05 / 51
p0 838 ± 0.9252
2500
2000
1500
1000
500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
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5770. 0
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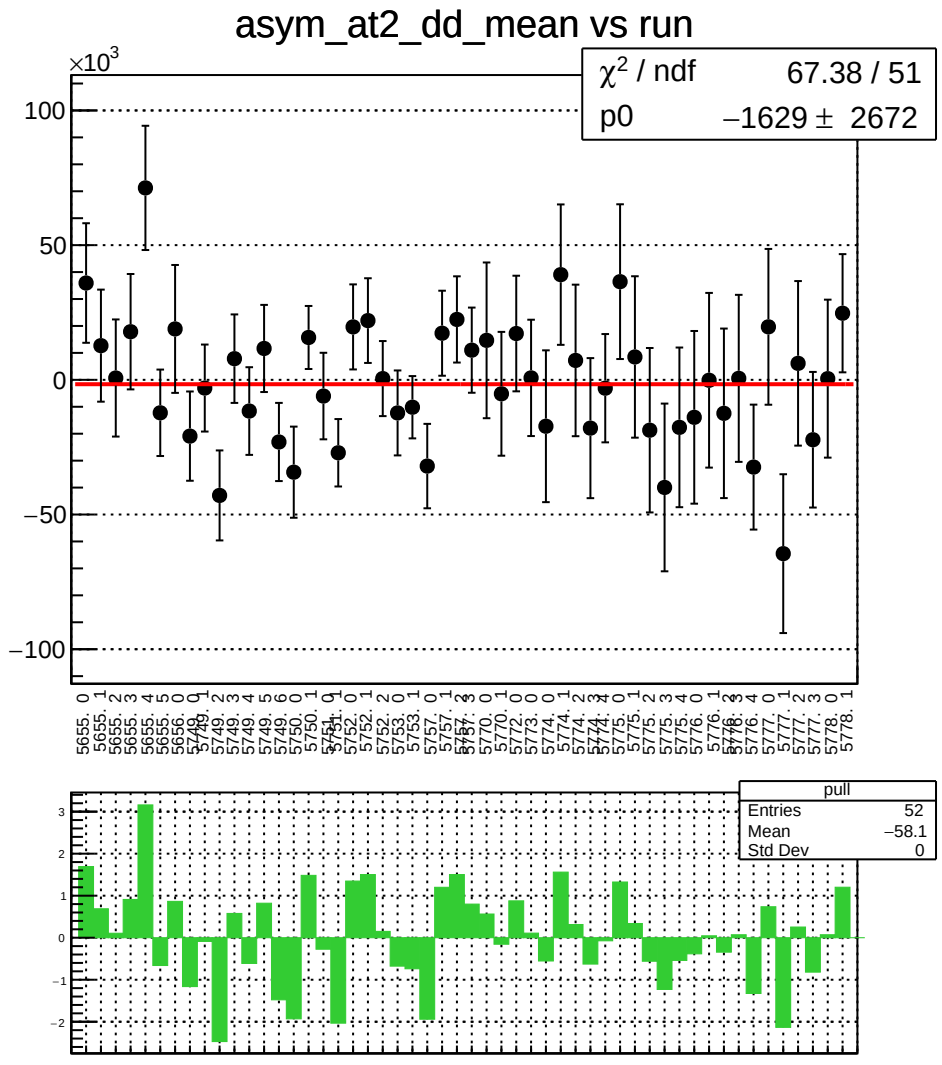
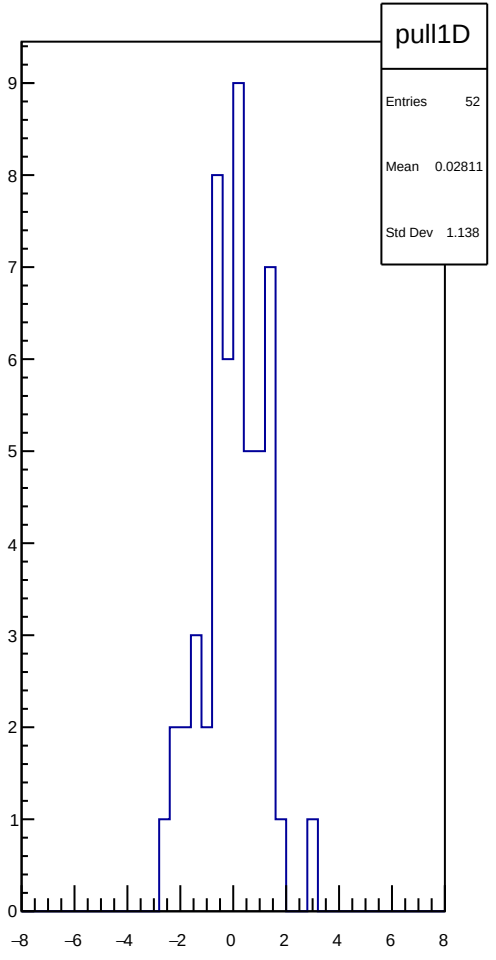
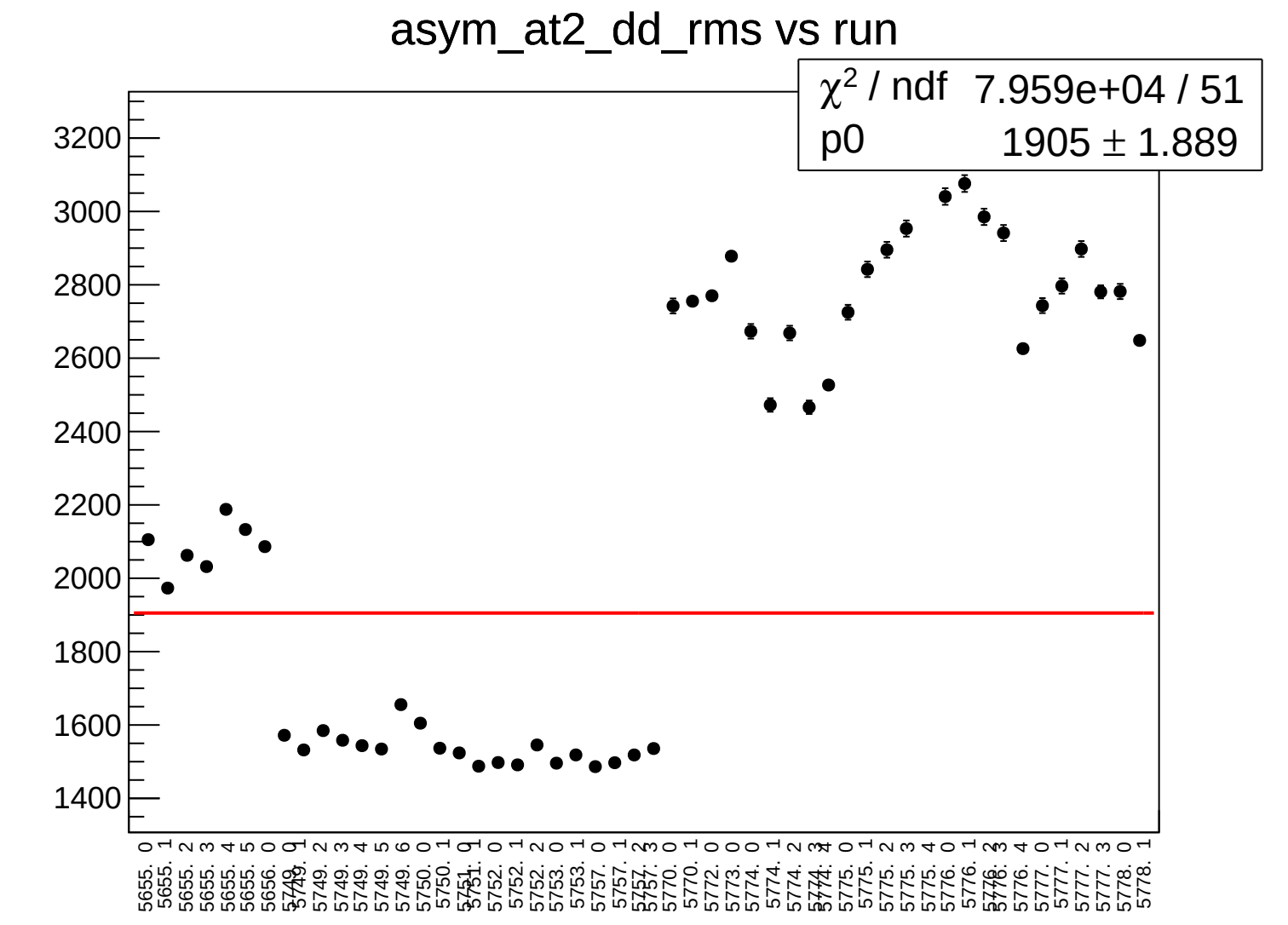
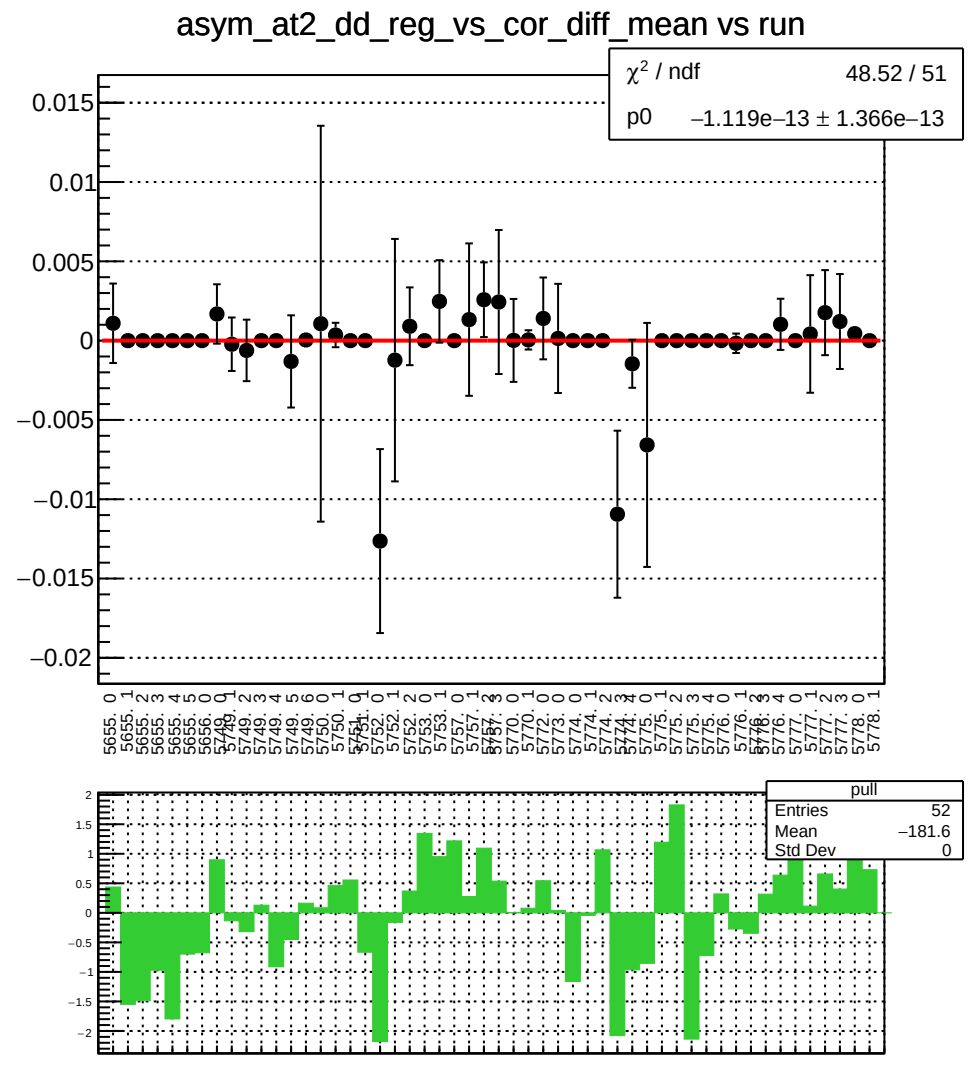
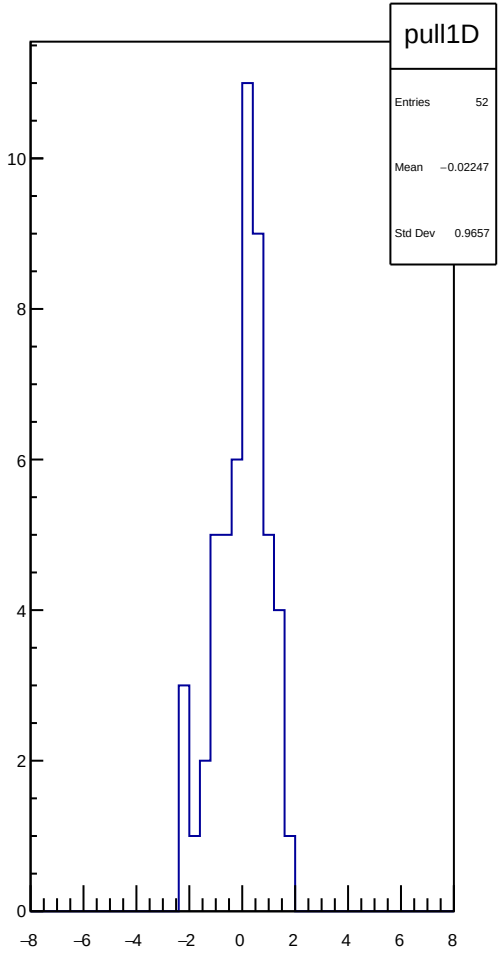
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

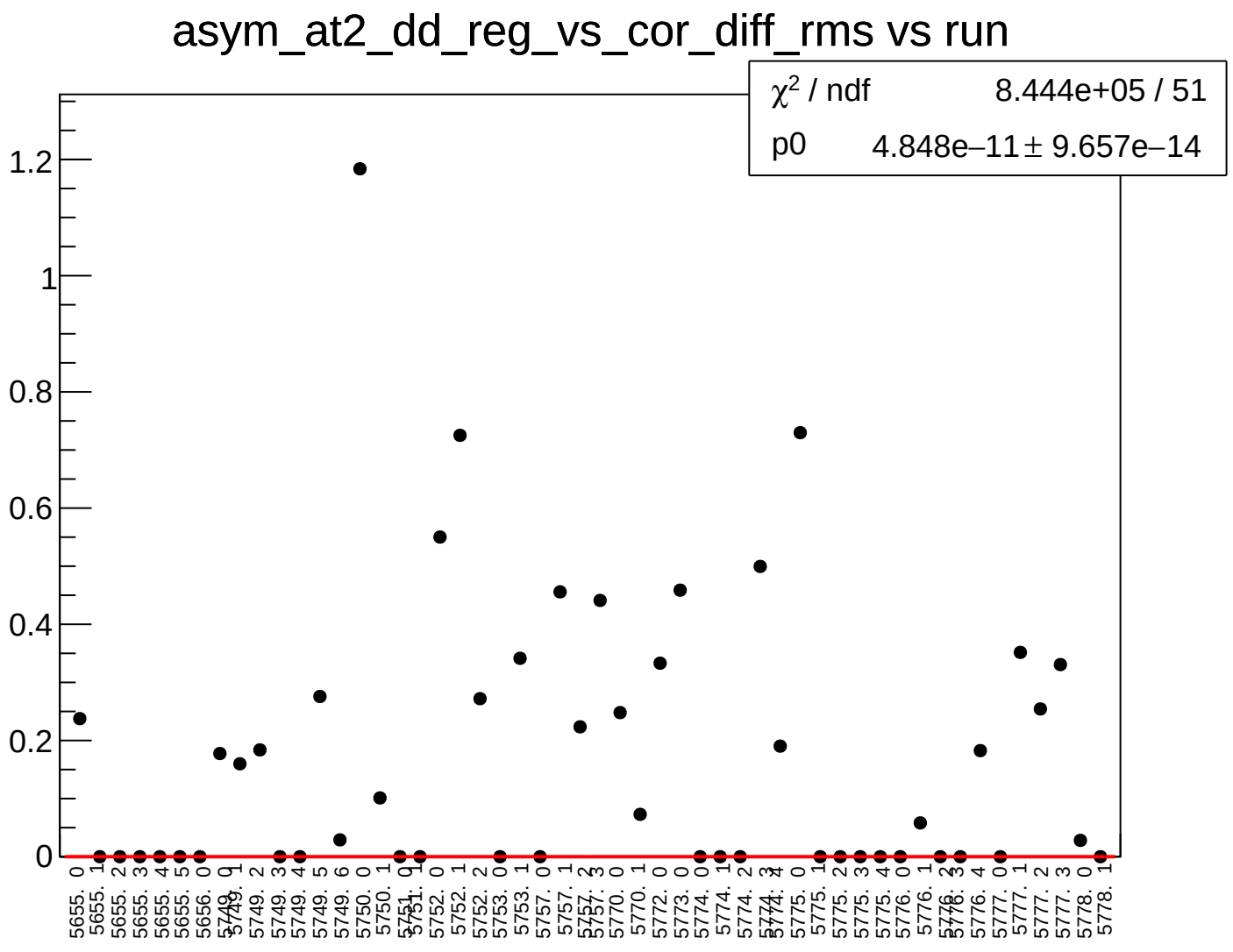

asym_at2_dd_mean vs run
×10^3
χ² / ndf 67.38 / 51
p0 −1629 ± 2672
100
50
0
−50
−100
pull
Entries 52
Mean −58.1
Std Dev 0
3
2
1
0
−1
−2

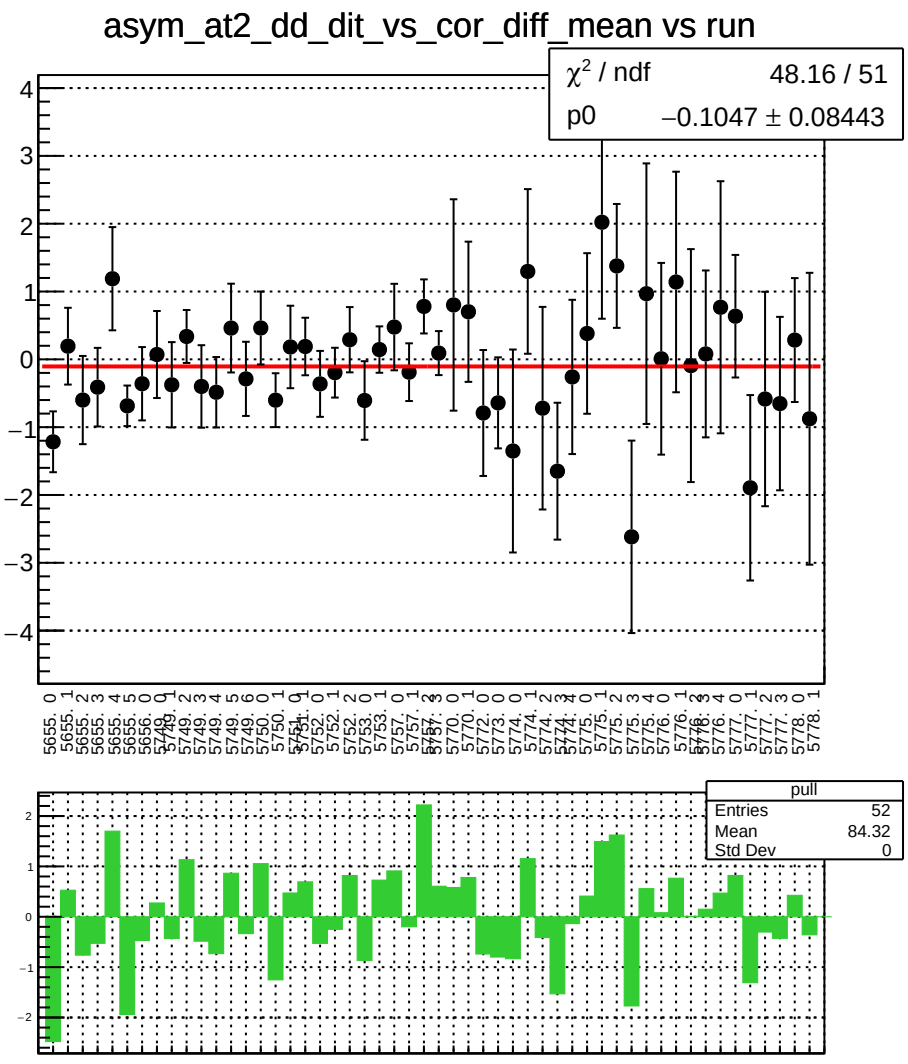

pull1D
Entries 52
Mean 0.02811
Std Dev 1.138
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

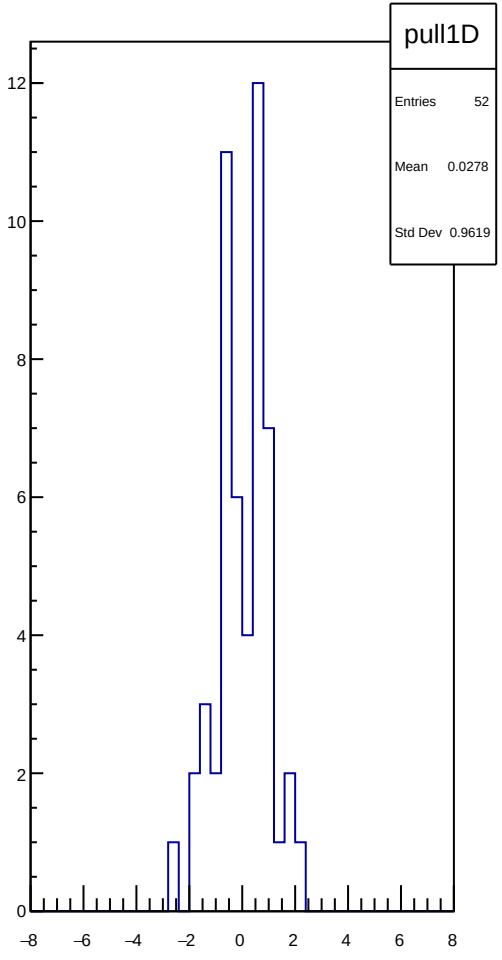

asym_at2_dd_rms vs run
χ² / ndf 7.959e+04 / 51
p0 1905 ± 1.889
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

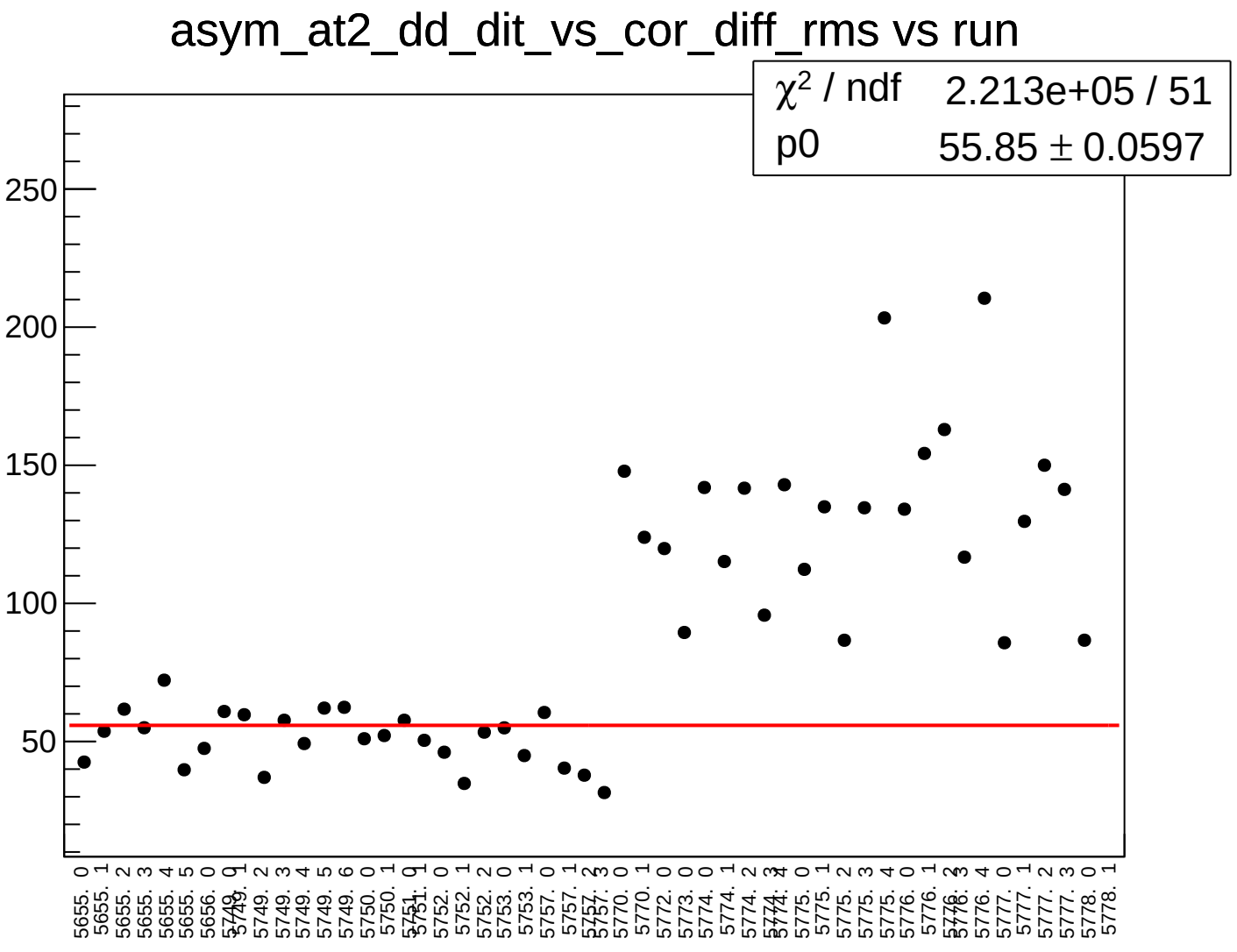

asym_at2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 48.52 / 51
p0 −1.119e−13 ± 1.366e−13
pull
Entries 52
Mean −181.6
Std Dev 0

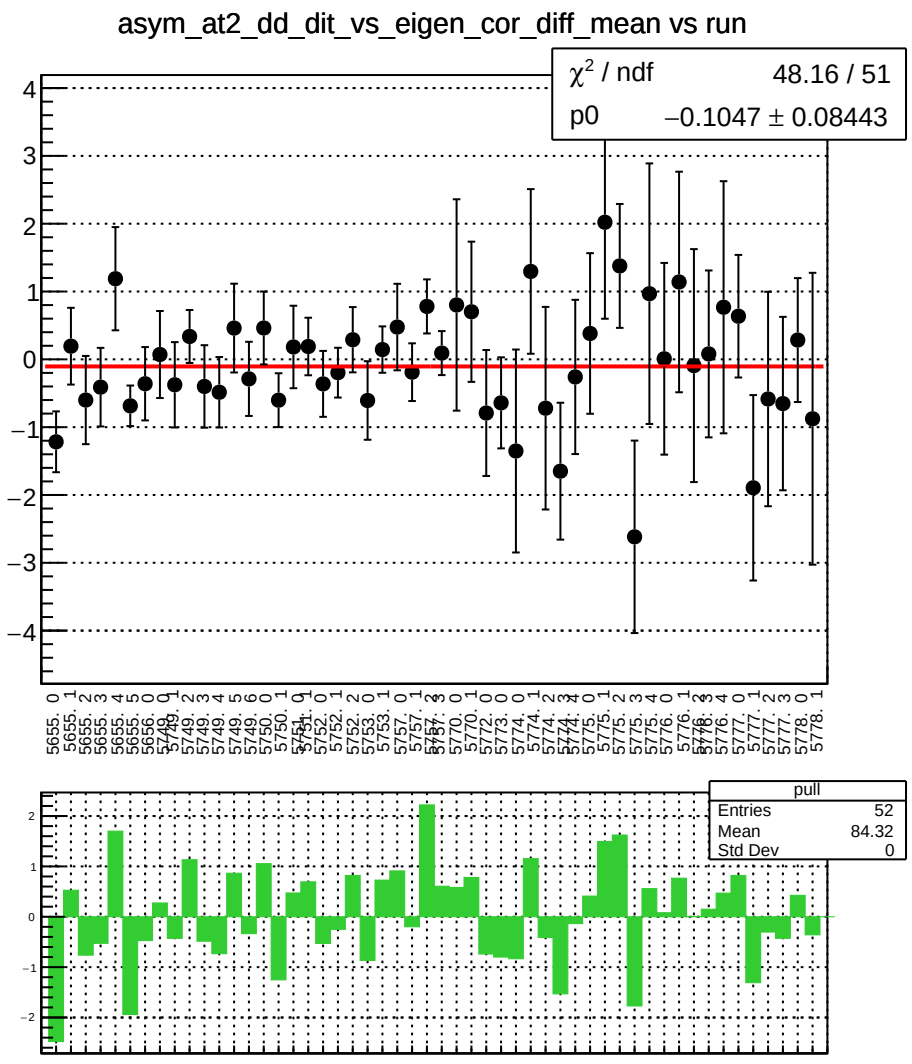

pull1D
Entries 52
Mean −0.02247
Std Dev 0.9657

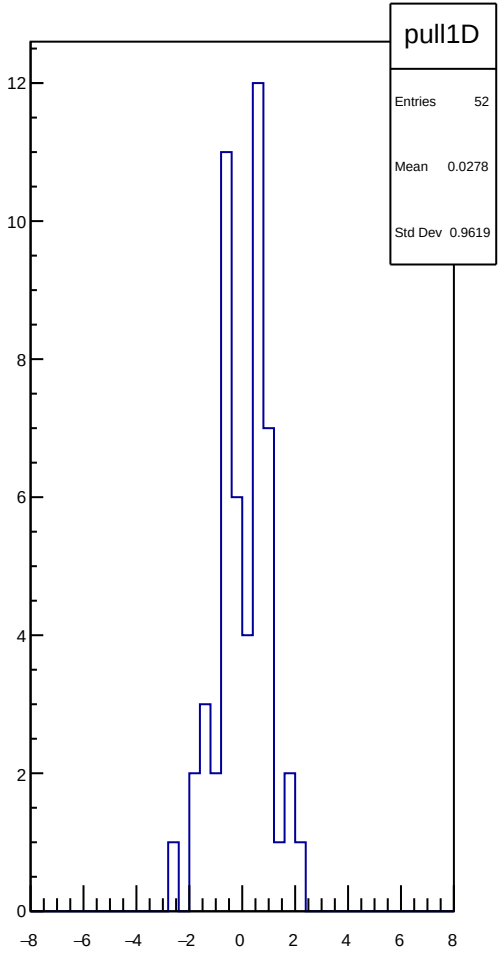

asym_at2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.444e+05 / 51
p0 4.848e−11 ± 9.657e−14
1.2
1
0.8
0.6
0.4
0.2
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

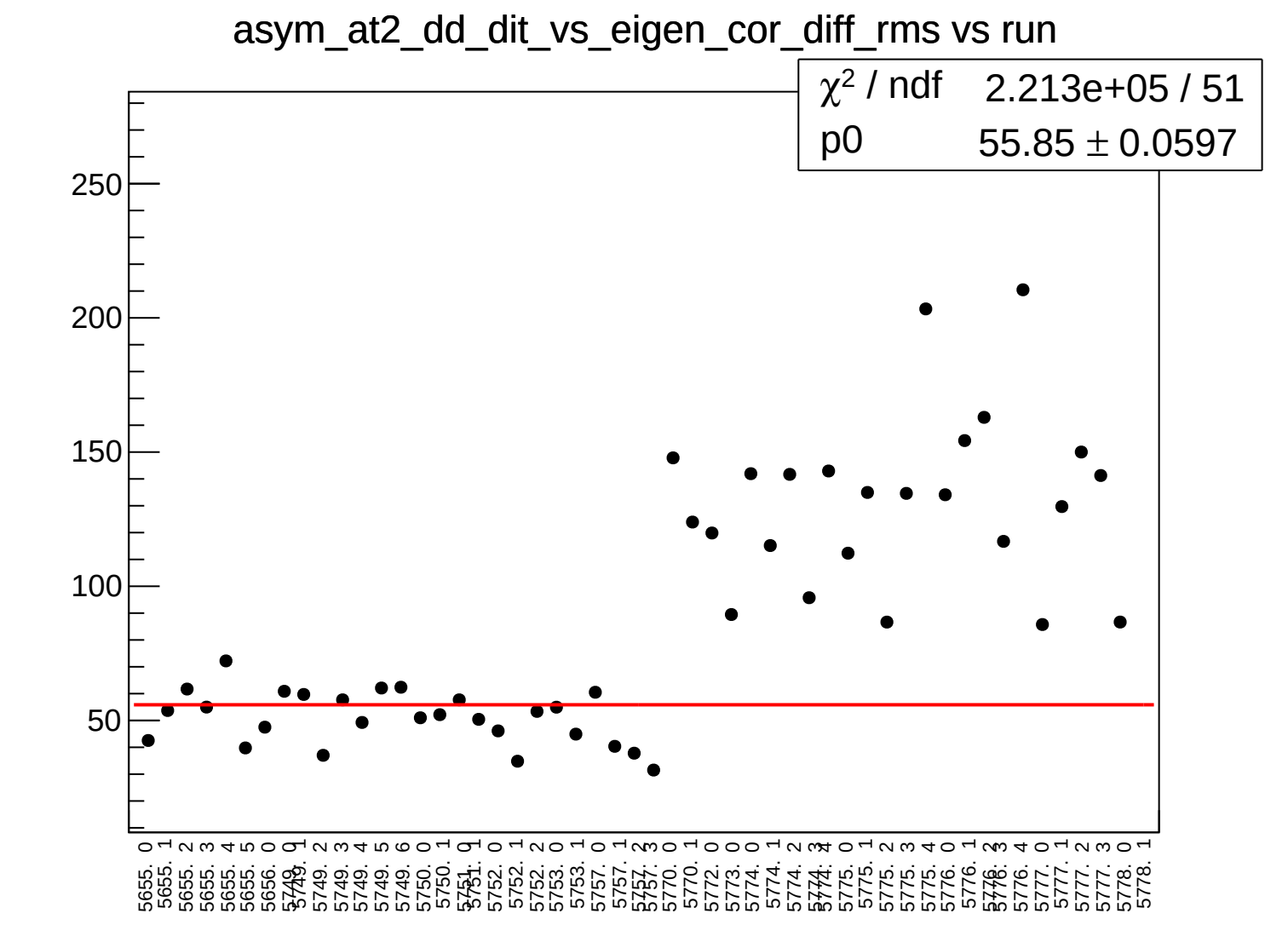

asym_at2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 48.16 / 51
p0 −0.1047 ± 0.08443
pull
Entries 52
Mean 84.32
Std Dev 0

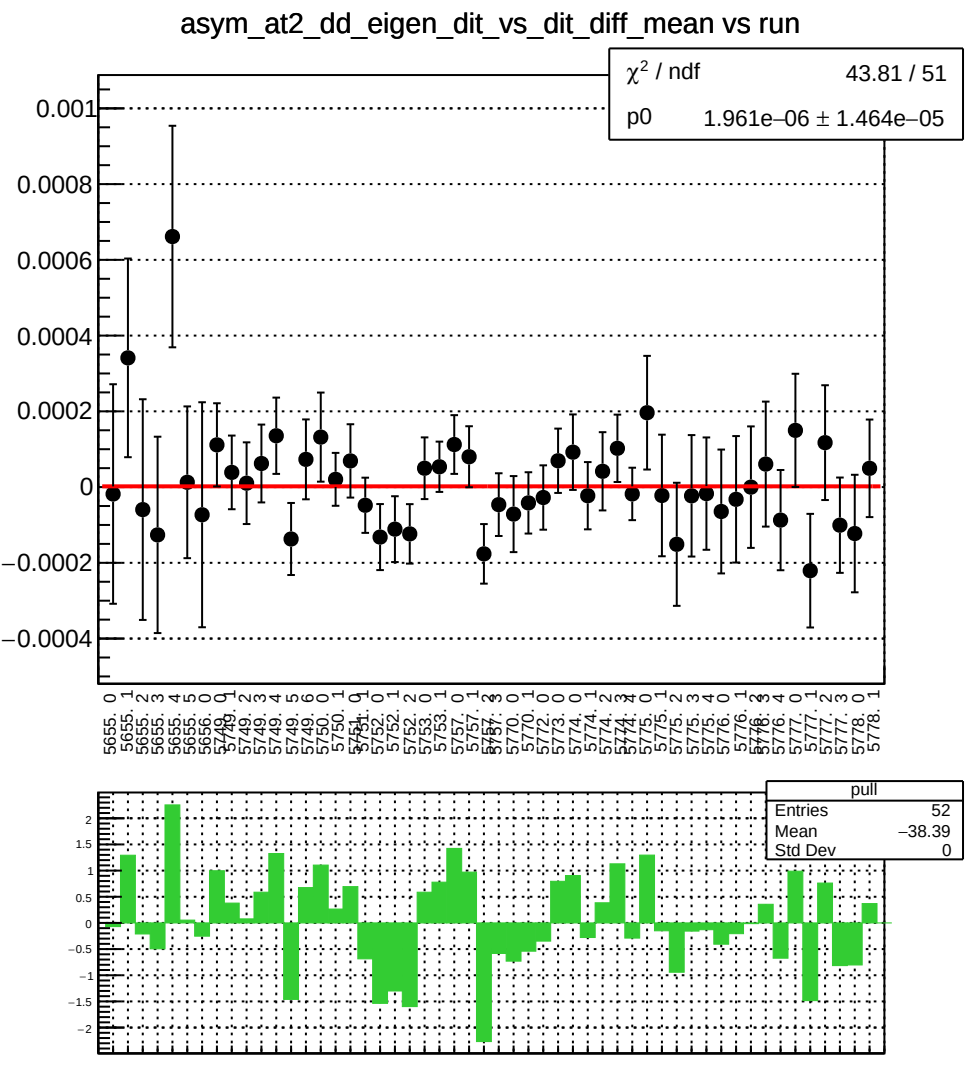

pull1D
Entries 52
Mean 0.0278
Std Dev 0.9619

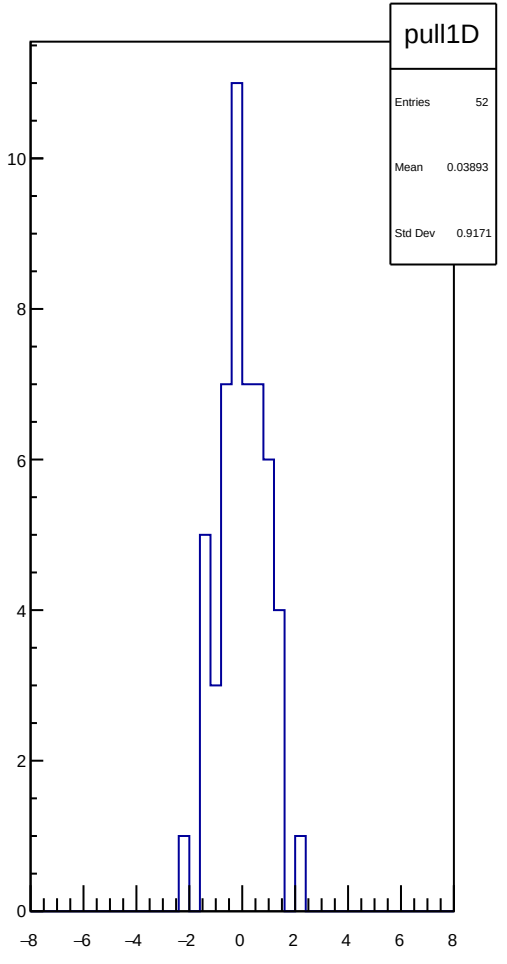

asym_at2_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.213e+05 / 51
p0 55.85 ± 0.0597
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

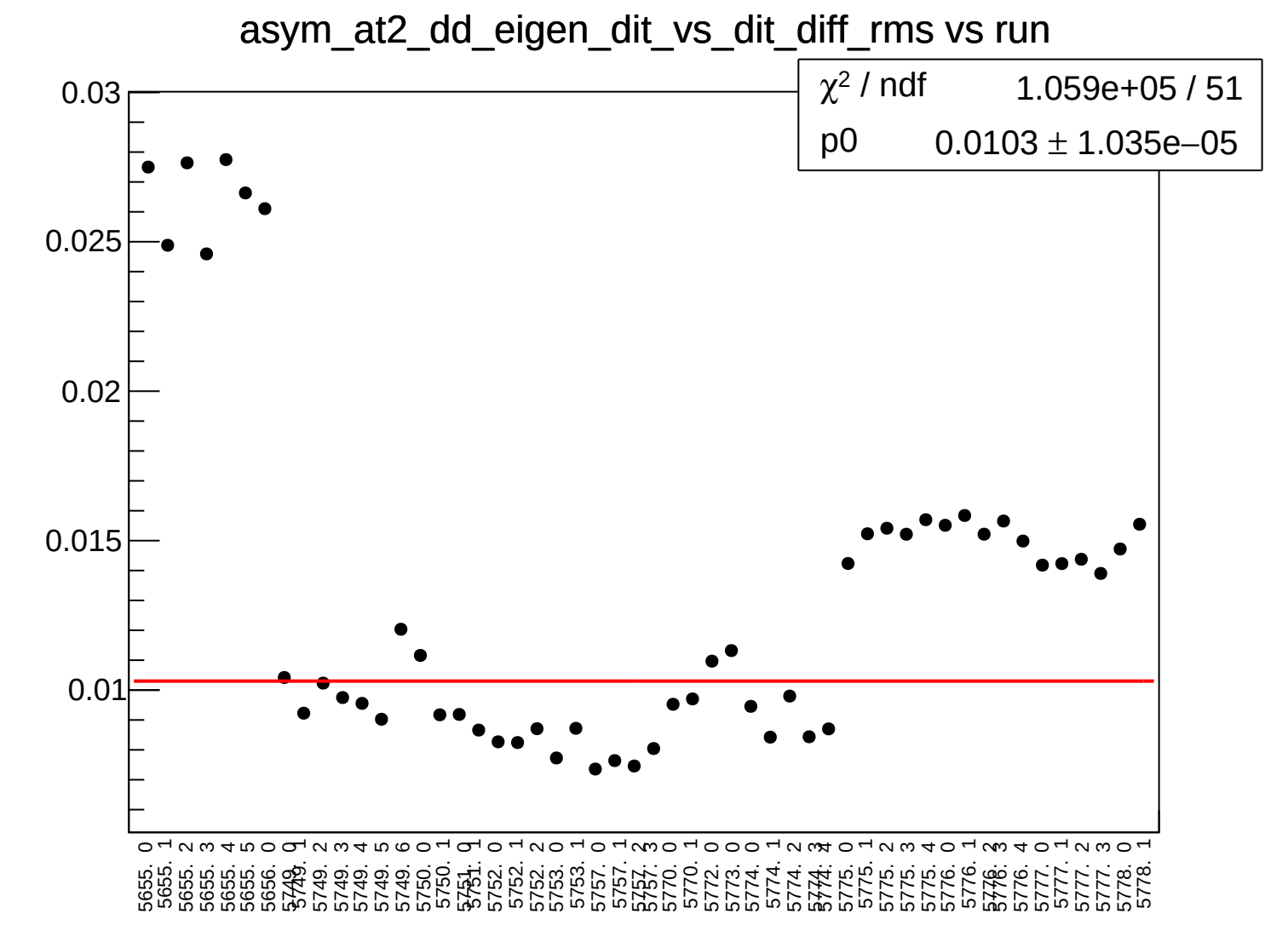

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.16 / 51
p0 −0.1047 ± 0.08443
pull
Entries 52
Mean 84.32
Std Dev 0

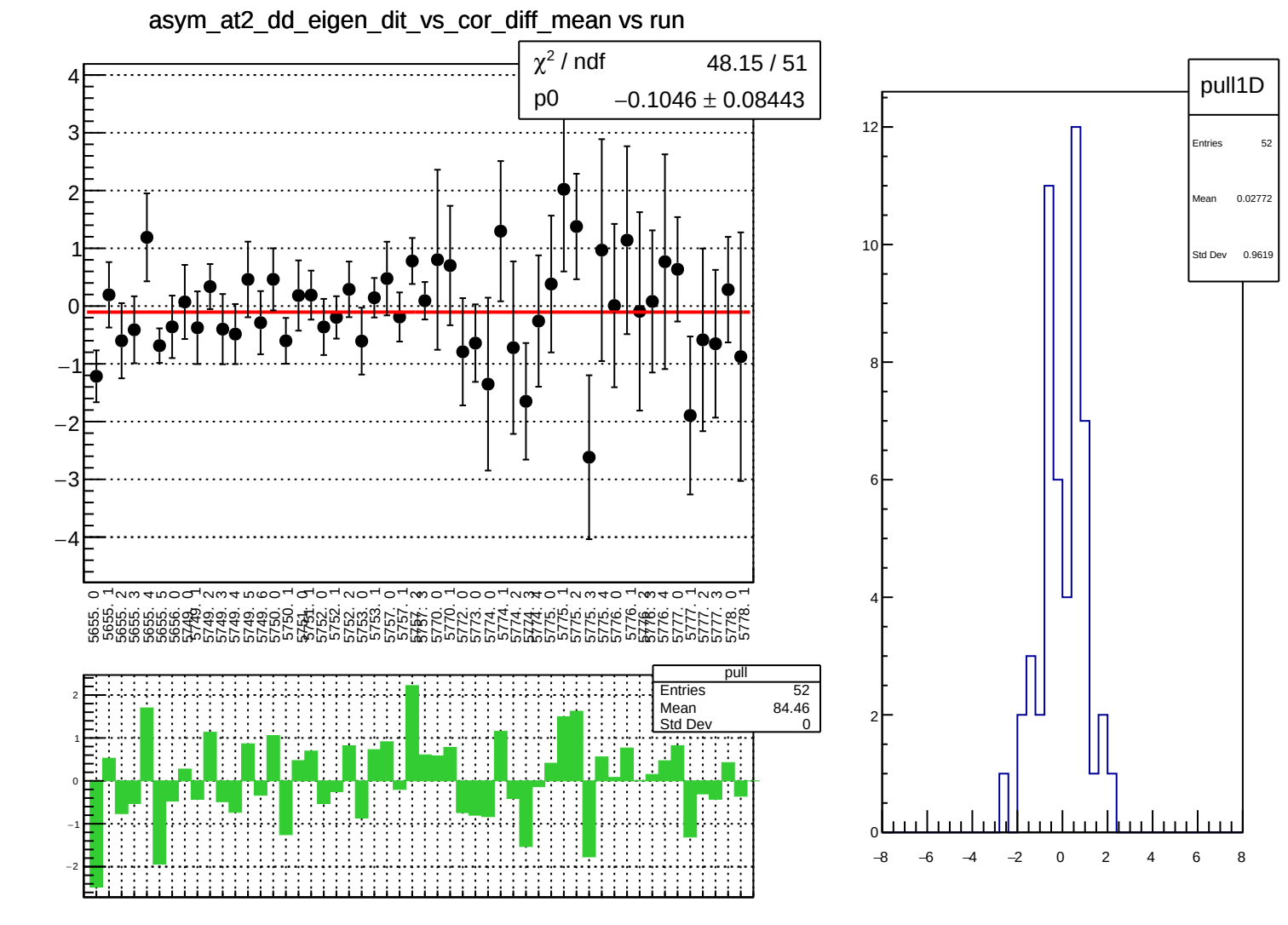

pull1D
Entries 52
Mean 0.0278
Std Dev 0.9619

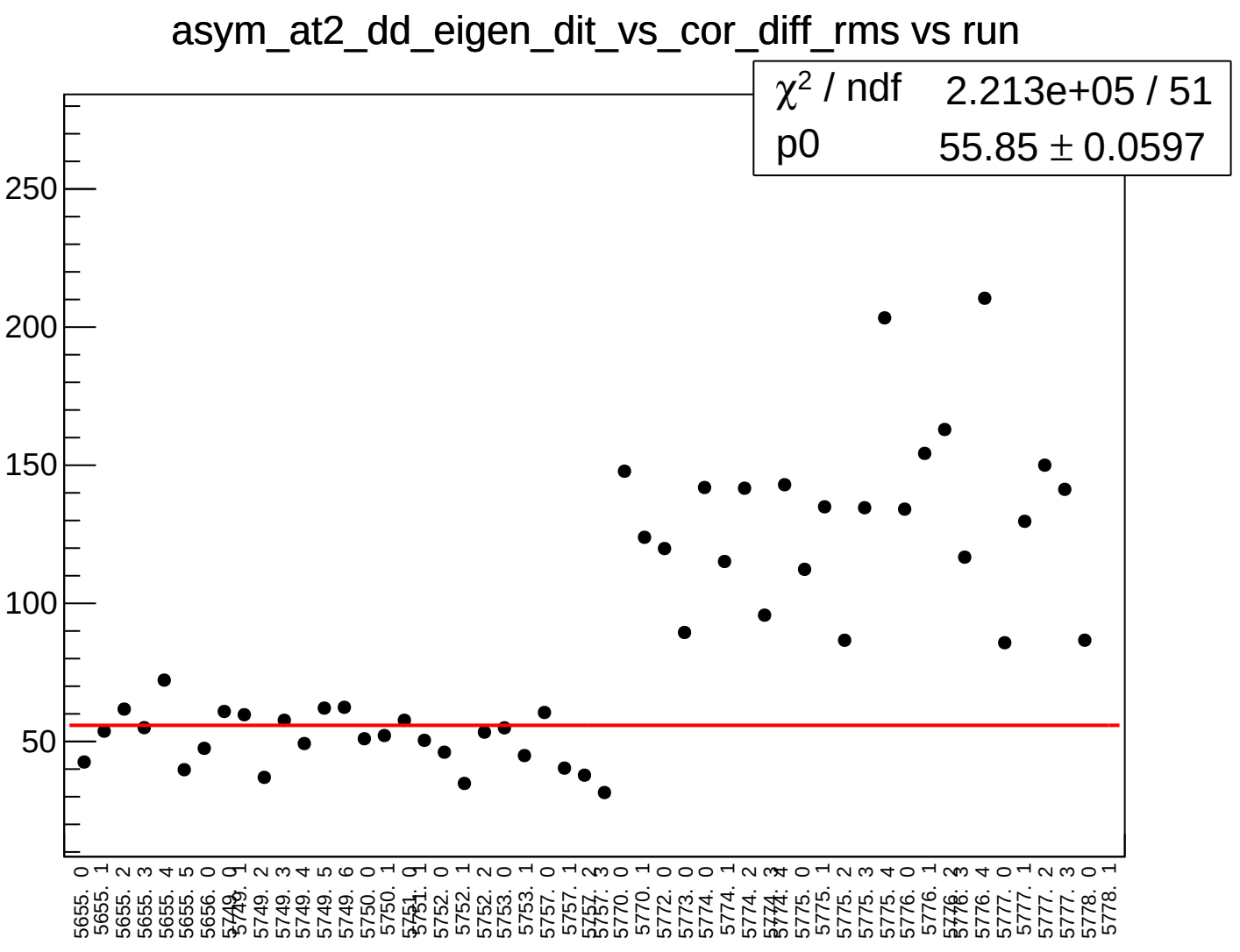

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.213e+05 / 51
p0 55.85 ± 0.0597
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

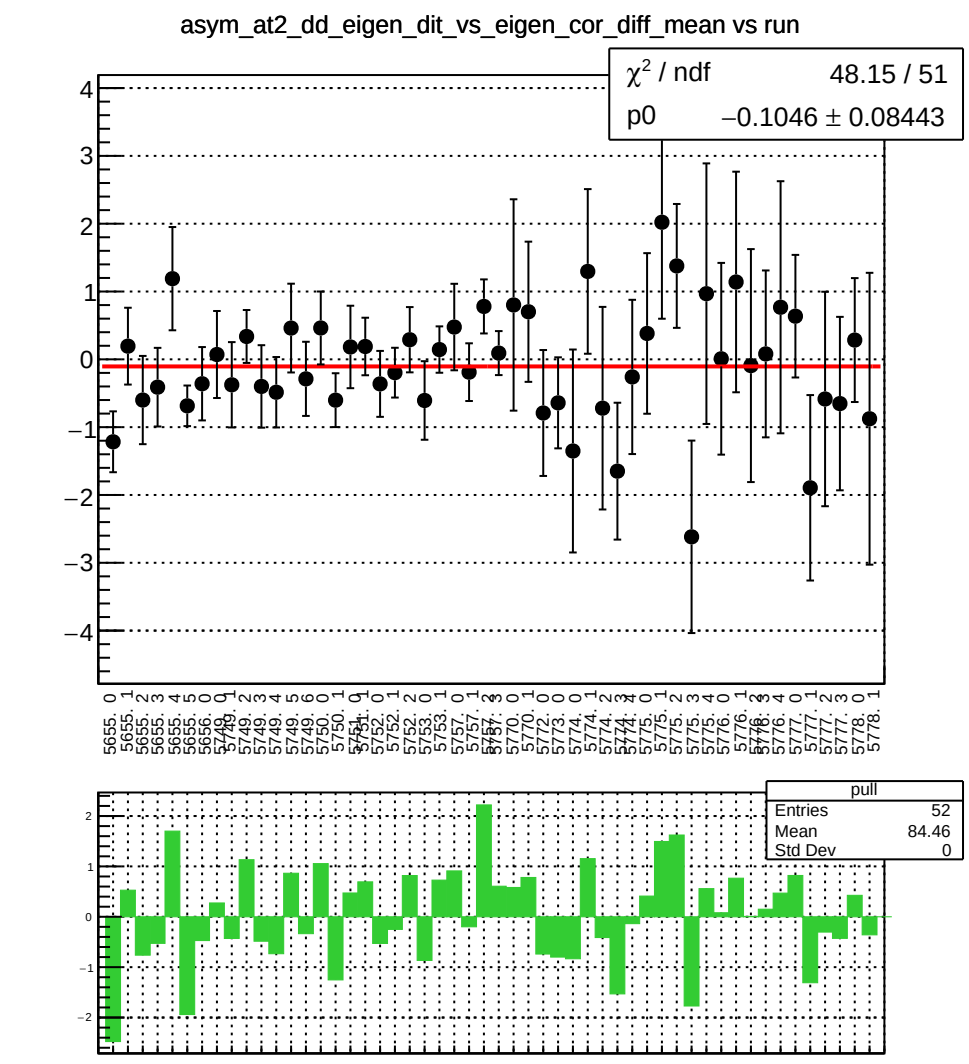

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 43.81 / 51
p0 1.961e−06 ± 1.464e−05
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
pull
Entries 52
Mean −38.39
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

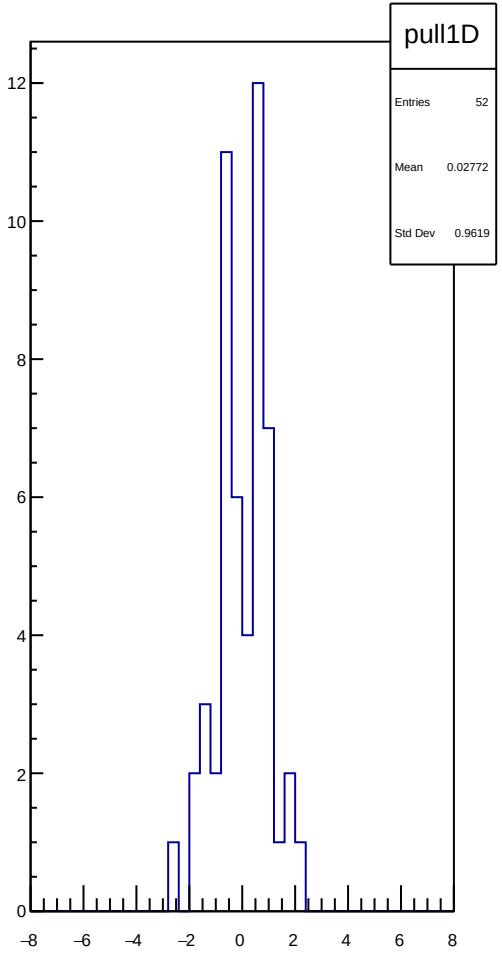

pull1D
Entries 52
Mean 0.03893
Std Dev 0.9171
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

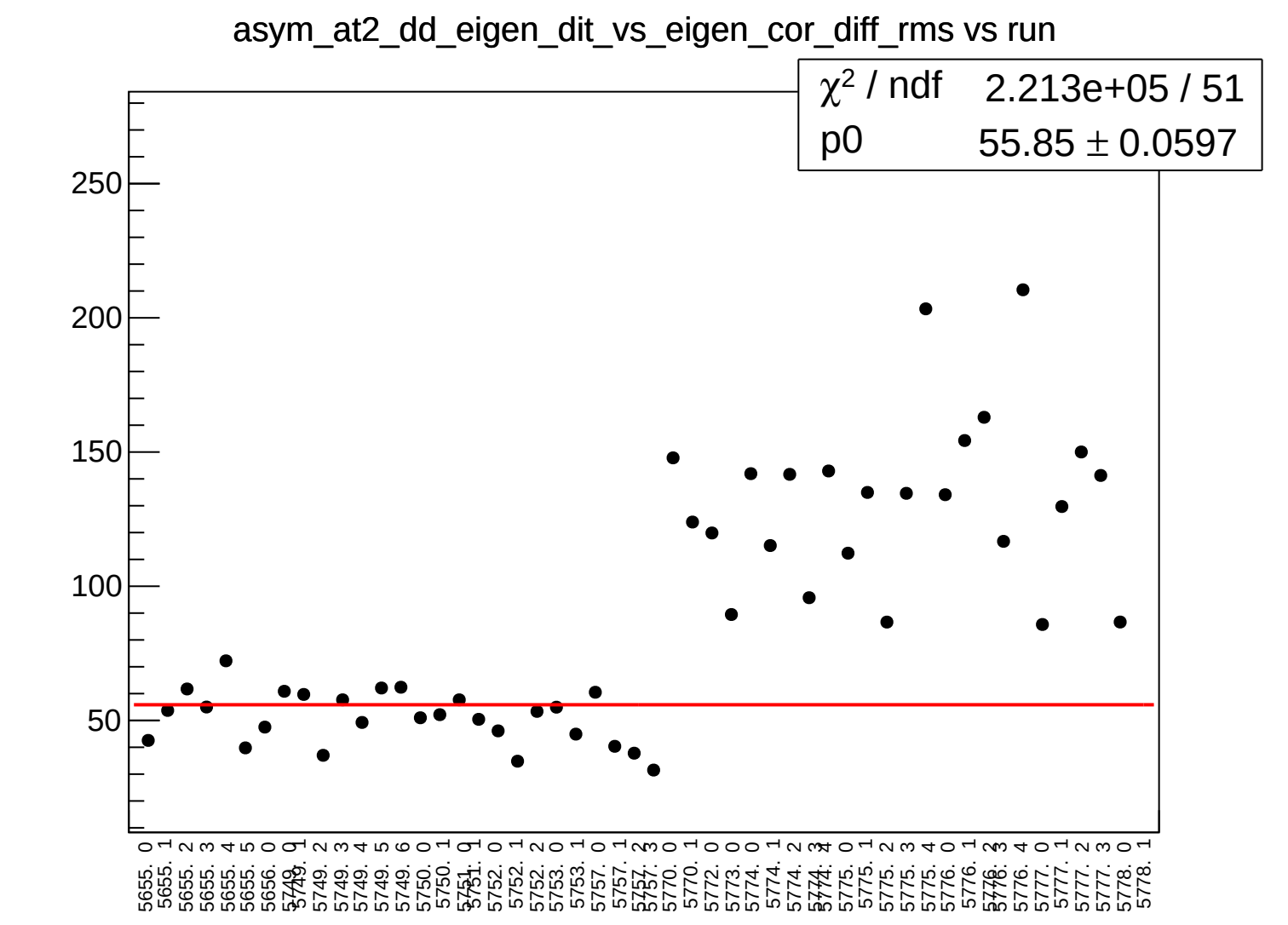

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.059e+05 / 51
p0 0.0103 ± 1.035e−05
0.03
0.025
0.02
0.015
0.01
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

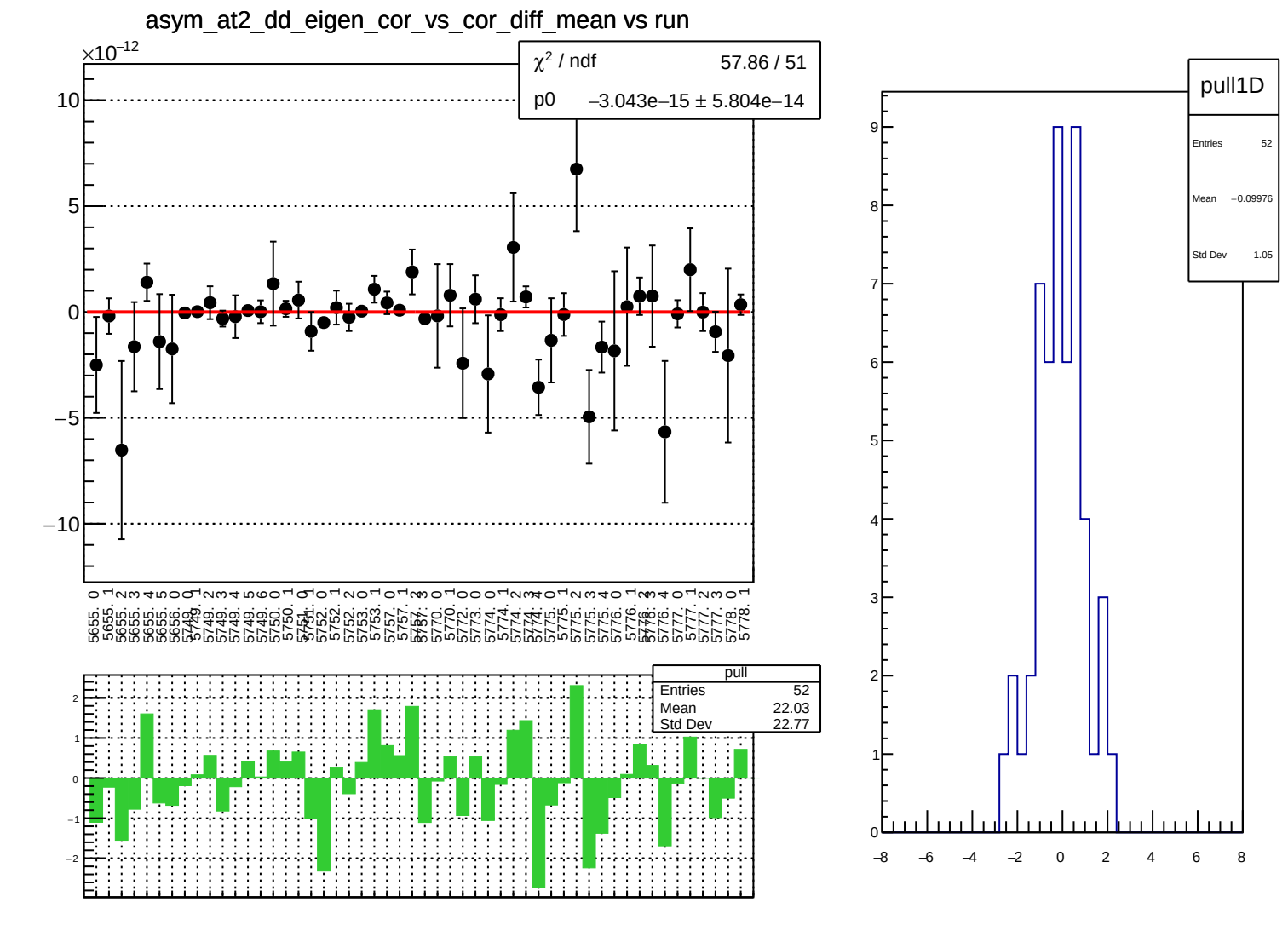

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.15 / 51
p0 −0.1046 ± 0.08443
pull
Entries 52
Mean 84.46
Std Dev 0
pull1D
Entries 52
Mean 0.02772
Std Dev 0.9619

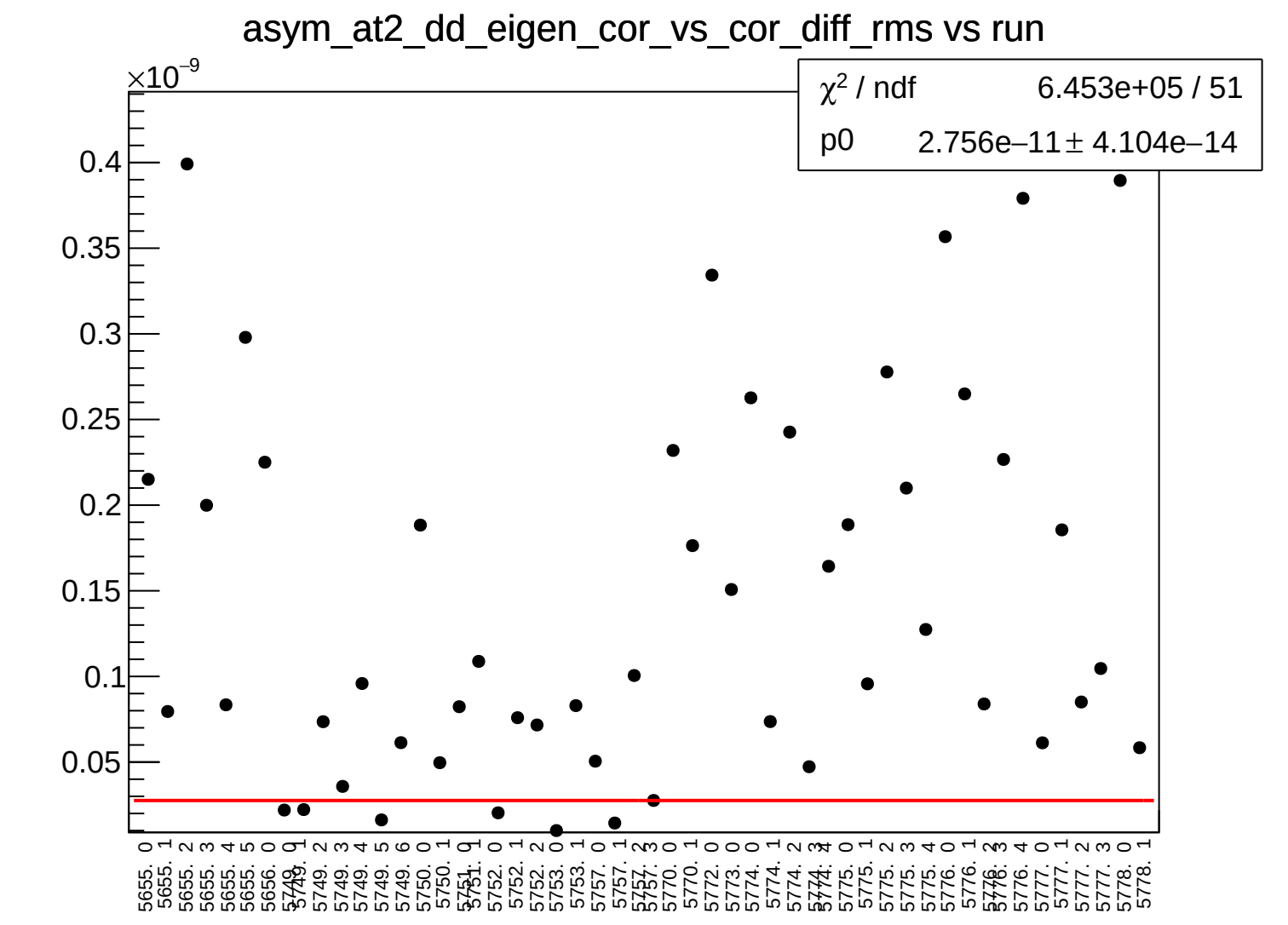

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.213e+05 / 51
p0 55.85 ± 0.0597
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

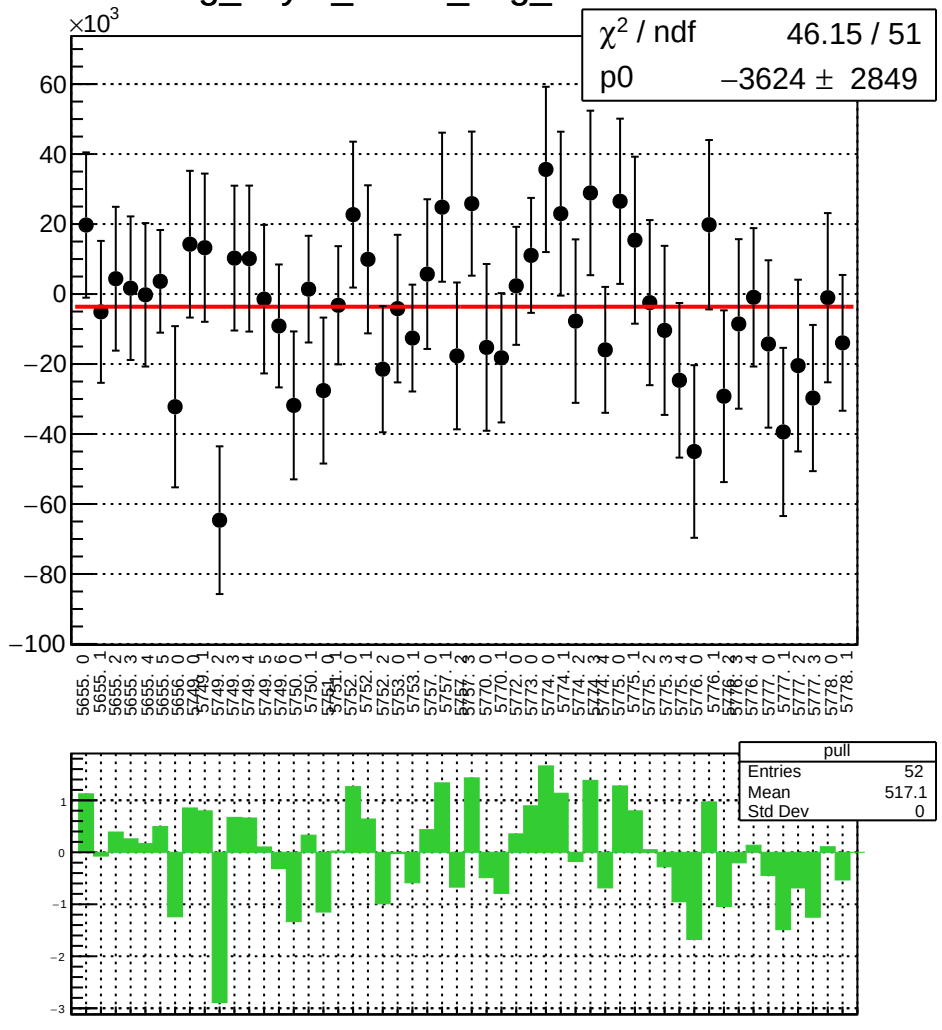

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.15 / 51
p0 −0.1046 ± 0.08443
pull
Entries 52
Mean 84.46
Std Dev 0

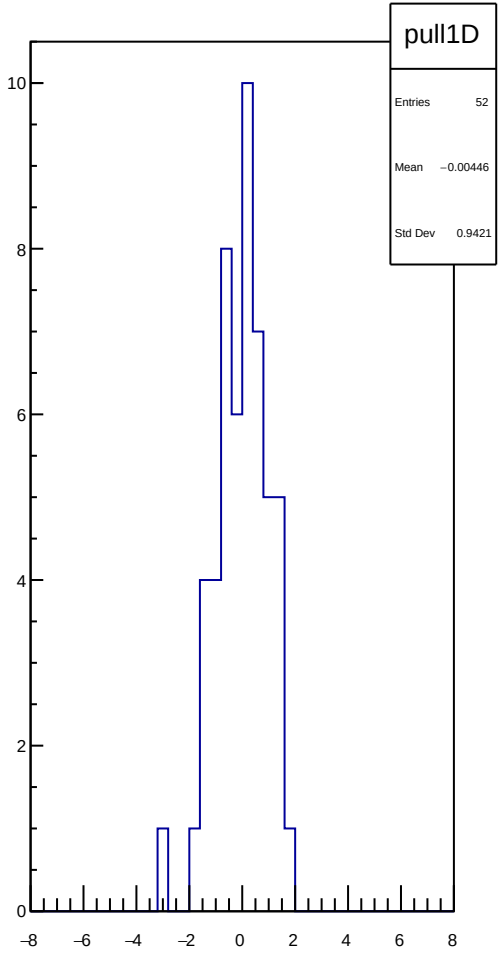

pull1D
Entries 52
Mean 0.02772
Std Dev 0.9619

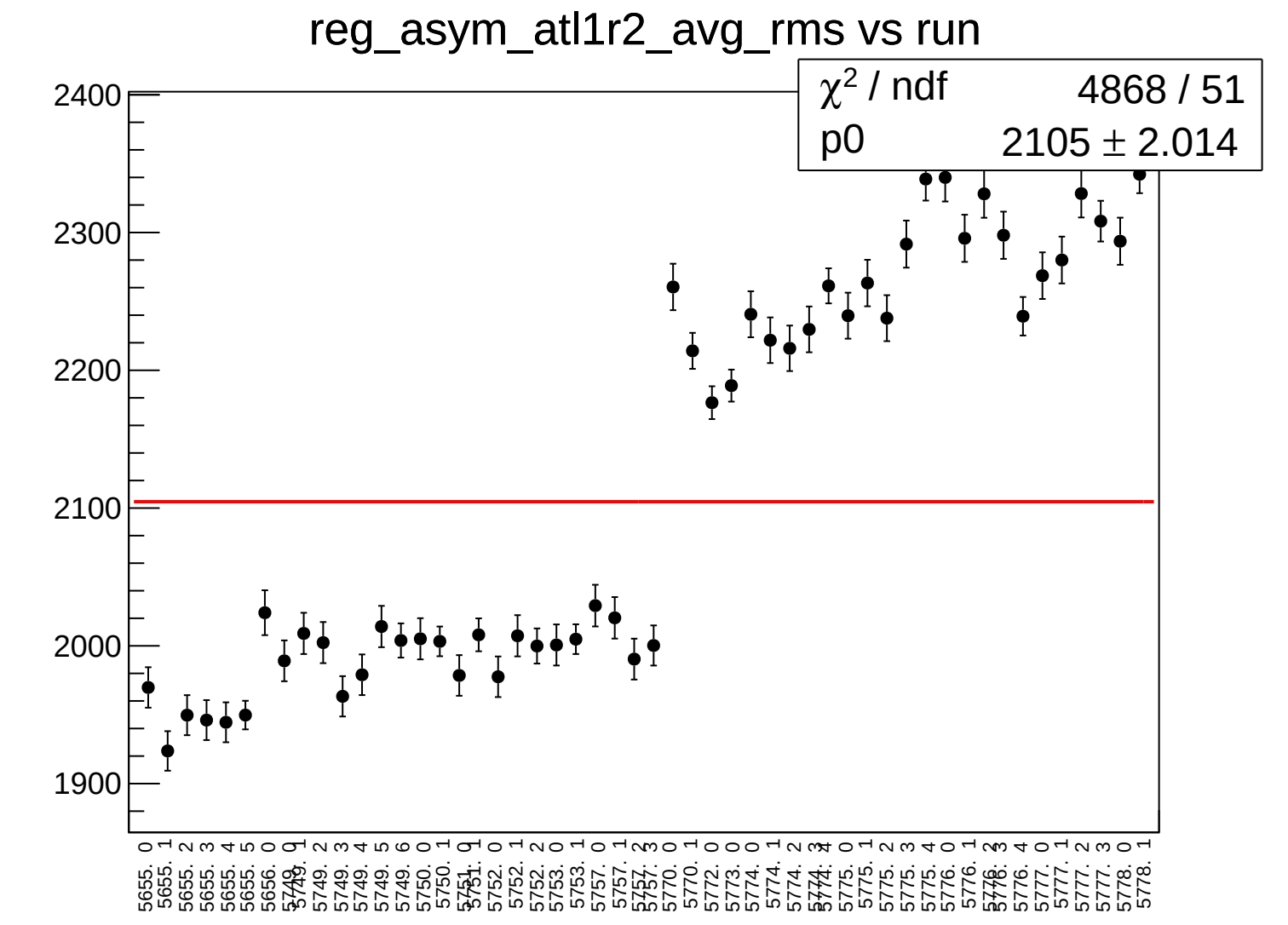

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.213e+05 / 51
p0 55.85 ± 0.0597
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

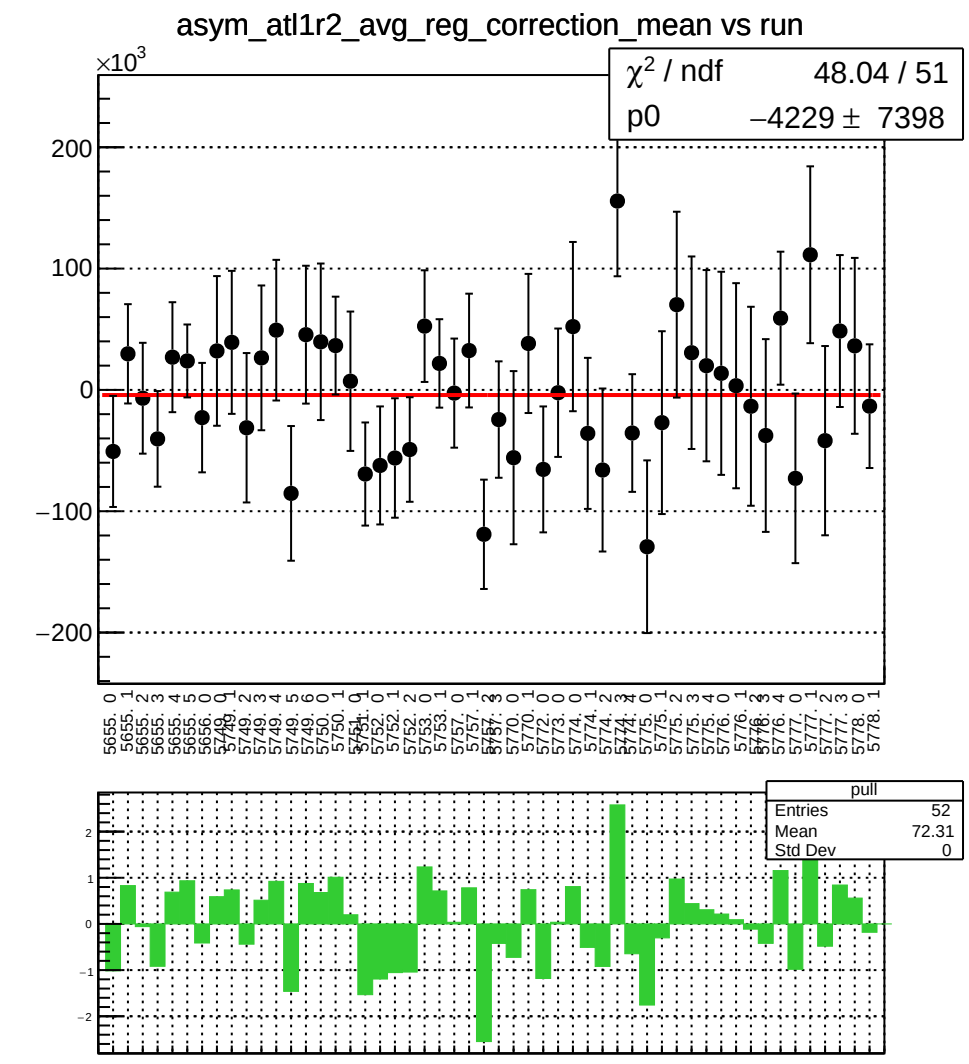

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 57.86 / 51
p0 −3.043e−15 ± 5.804e−14
pull
Entries 52
Mean 22.03
Std Dev 22.77
pull1D
Entries 52
Mean −0.09976
Std Dev 1.05

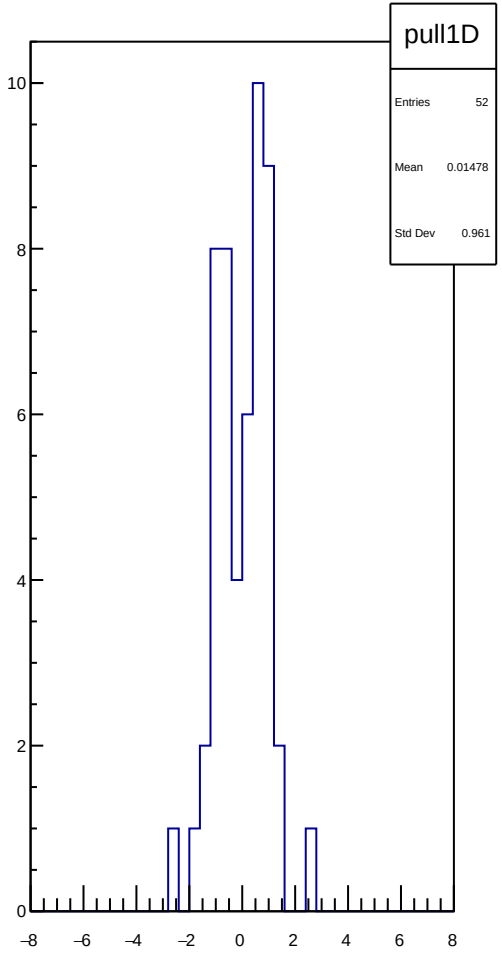

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.453e+05 / 51
p0 2.756e−11 ± 4.104e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

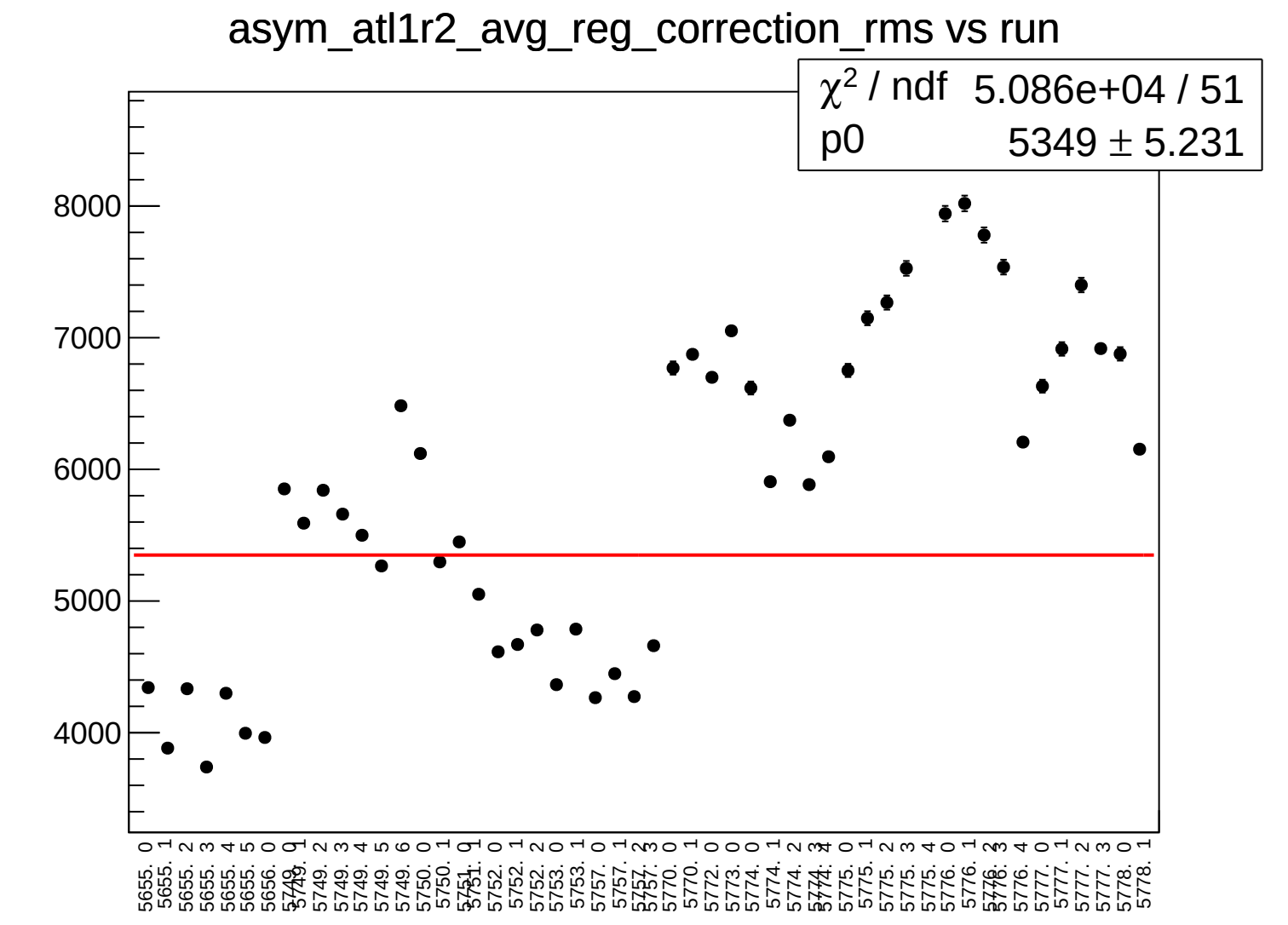

reg_asym_atl1r2_avg_mean vs run
×10^3
χ² / ndf 46.15 / 51
p0 −3624 ± 2849
pull
Entries 52
Mean 517.1
Std Dev 0

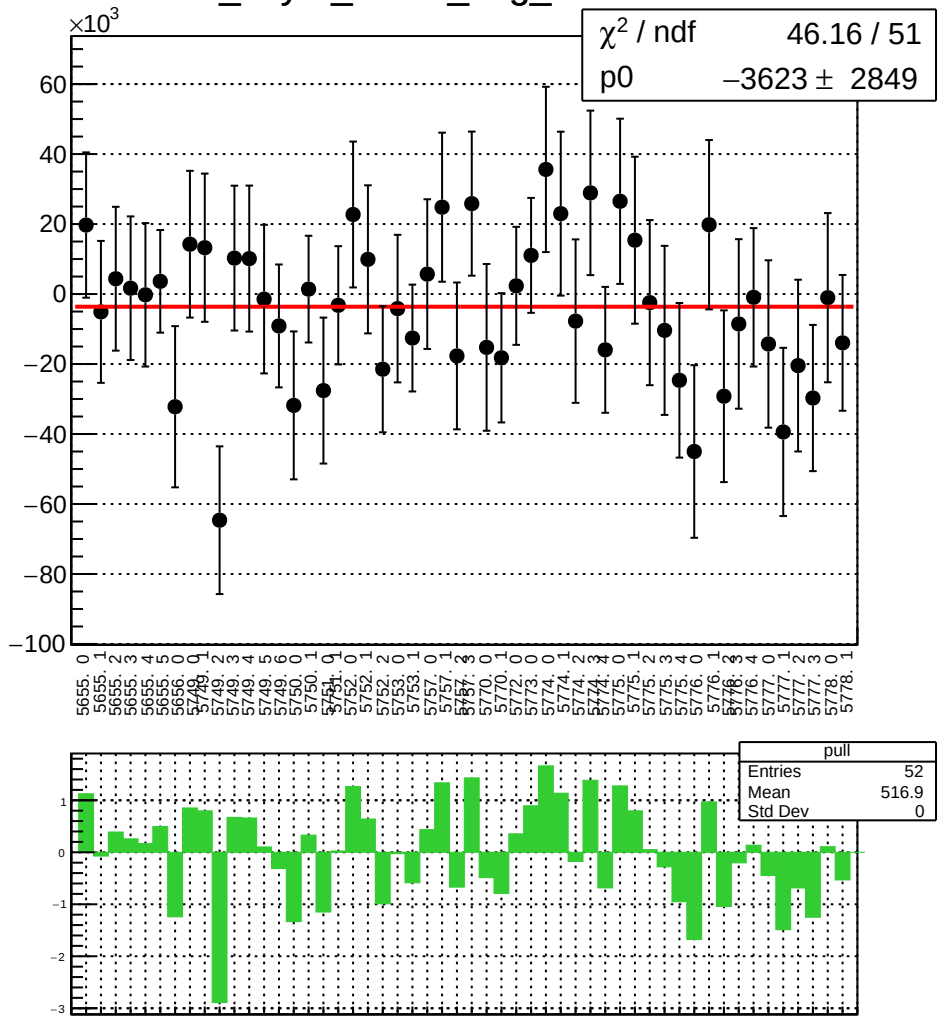

pull1D
Entries 52
Mean −0.00446
Std Dev 0.9421

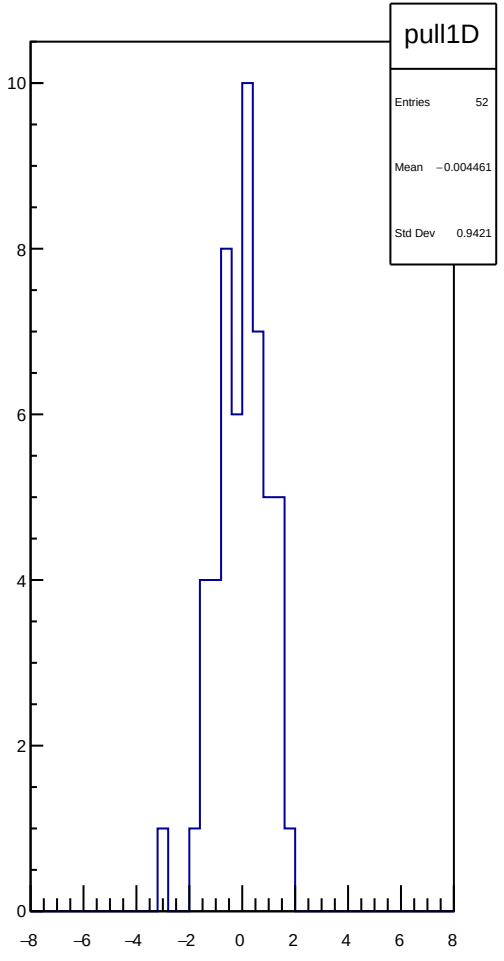

reg_asym_atl1r2_avg_rms vs run
χ² / ndf 4868 / 51
p0 2105 ± 2.014
2400
2300
2200
2100
2000
1900
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

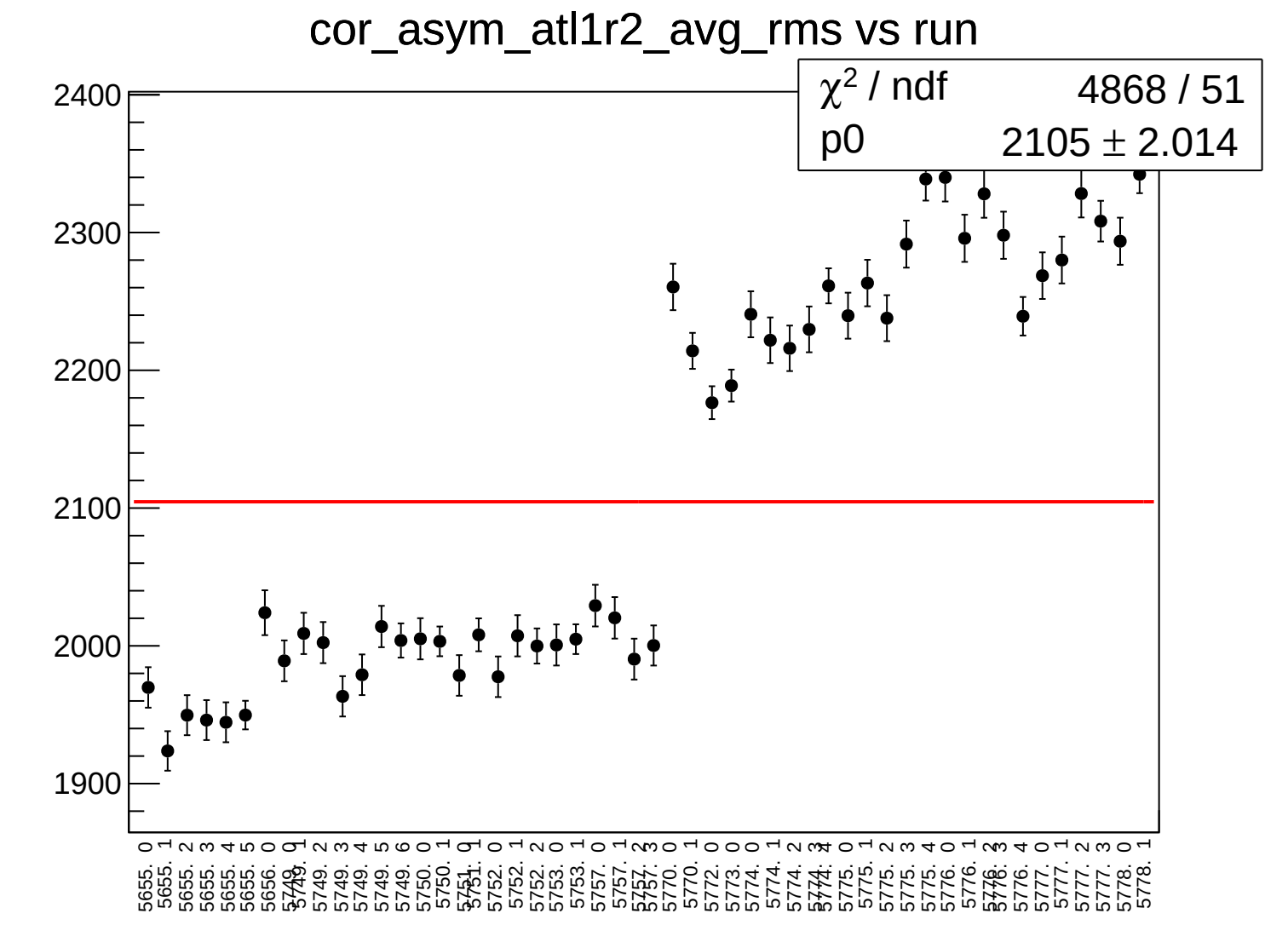

asym_atl1r2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 48.04 / 51
p0 −4229 ± 7398
200
100
0
−100
−200
pull
Entries 52
Mean 72.31
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01478
Std Dev 0.961
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 5.086e+04 / 51
p0 5349 ± 5.231
8000
7000
6000
5000
4000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_atl1r2_avg_mean vs run
χ² / ndf 46.16 / 51
p0 −3623 ± 2849
pull
Entries 52
Mean 516.9
Std Dev 0


pull1D
Entries 52
Mean −0.004461
Std Dev 0.9421


cor_asym_atl1r2_avg_rms vs run
χ² / ndf 4868 / 51
p0 2105 ± 2.014
2400
2300
2200
2100
2000
1900
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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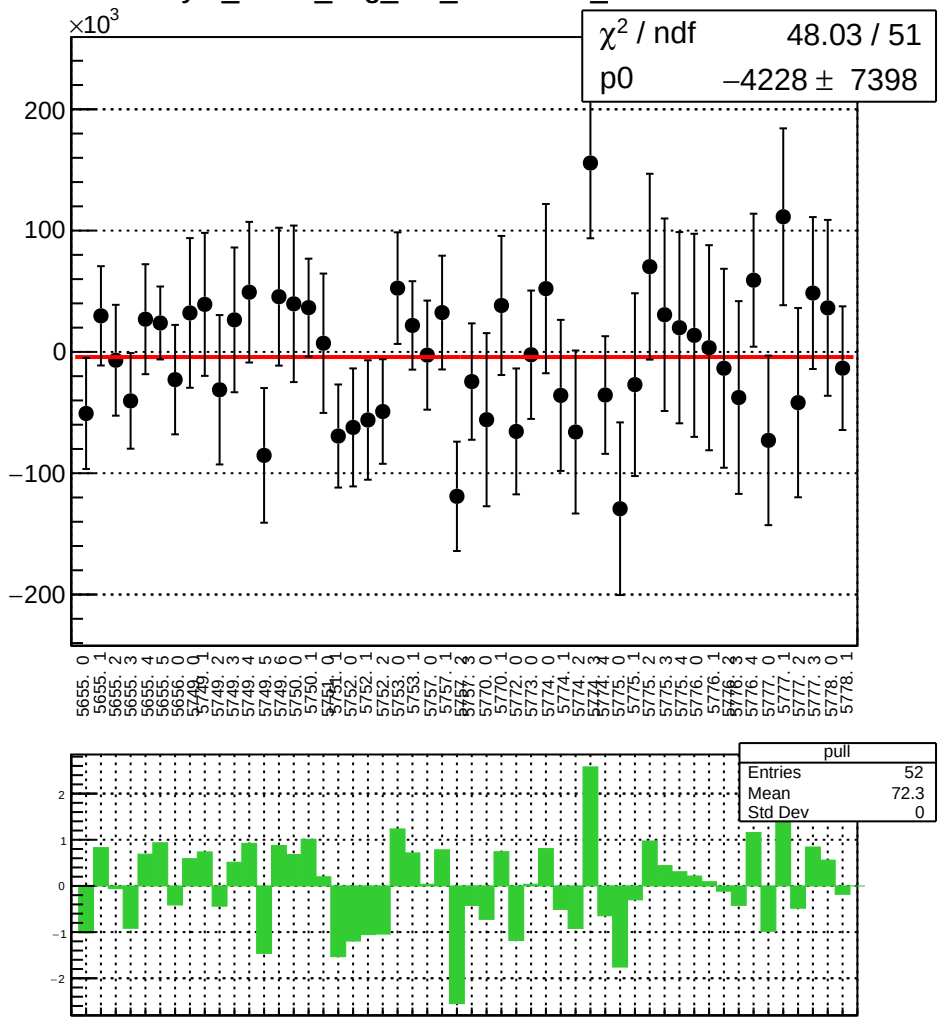
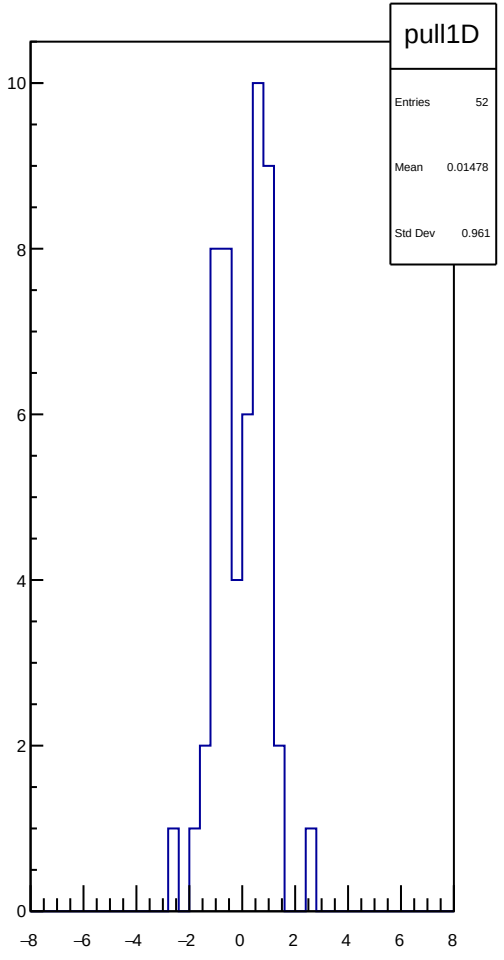
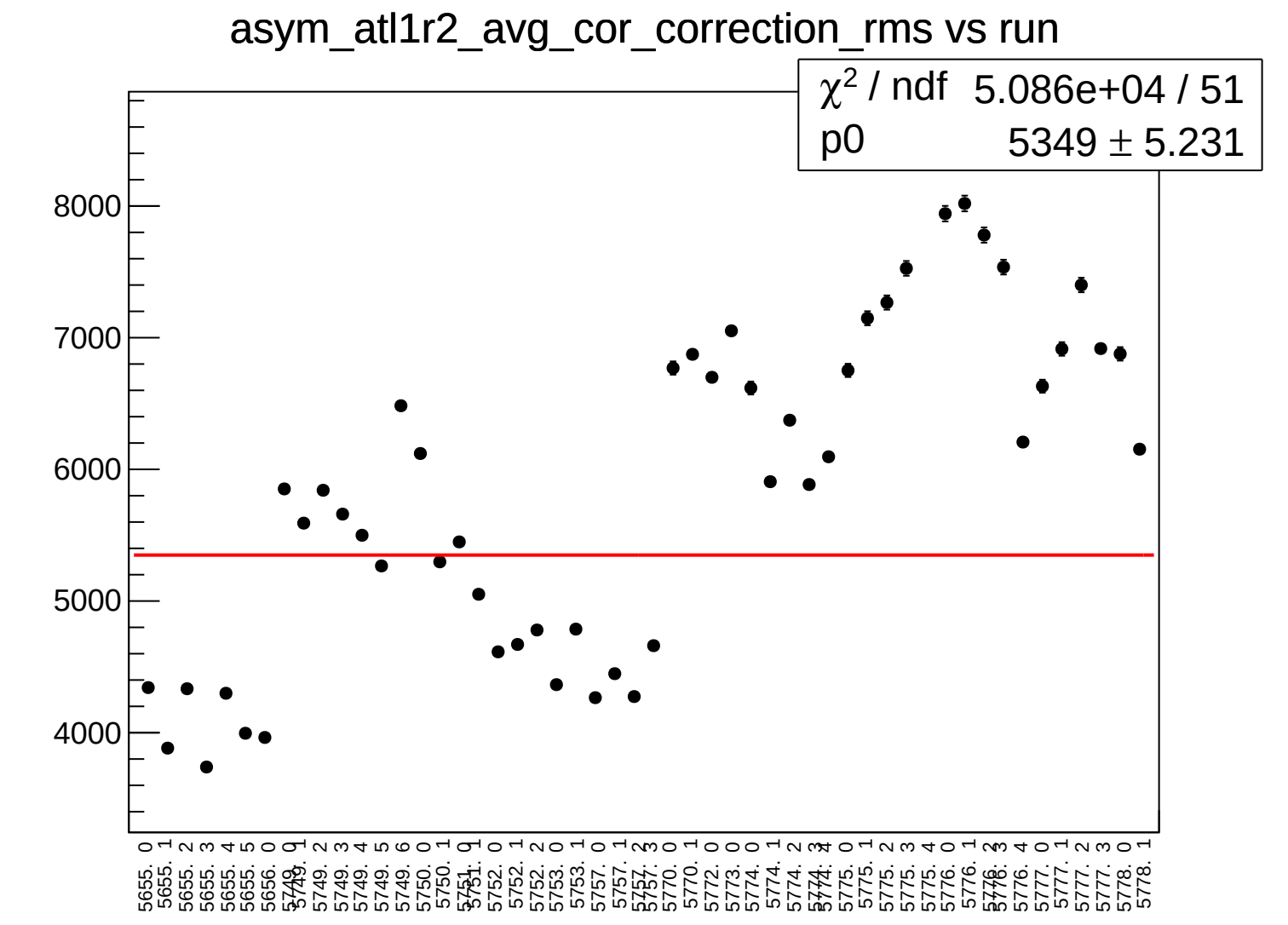
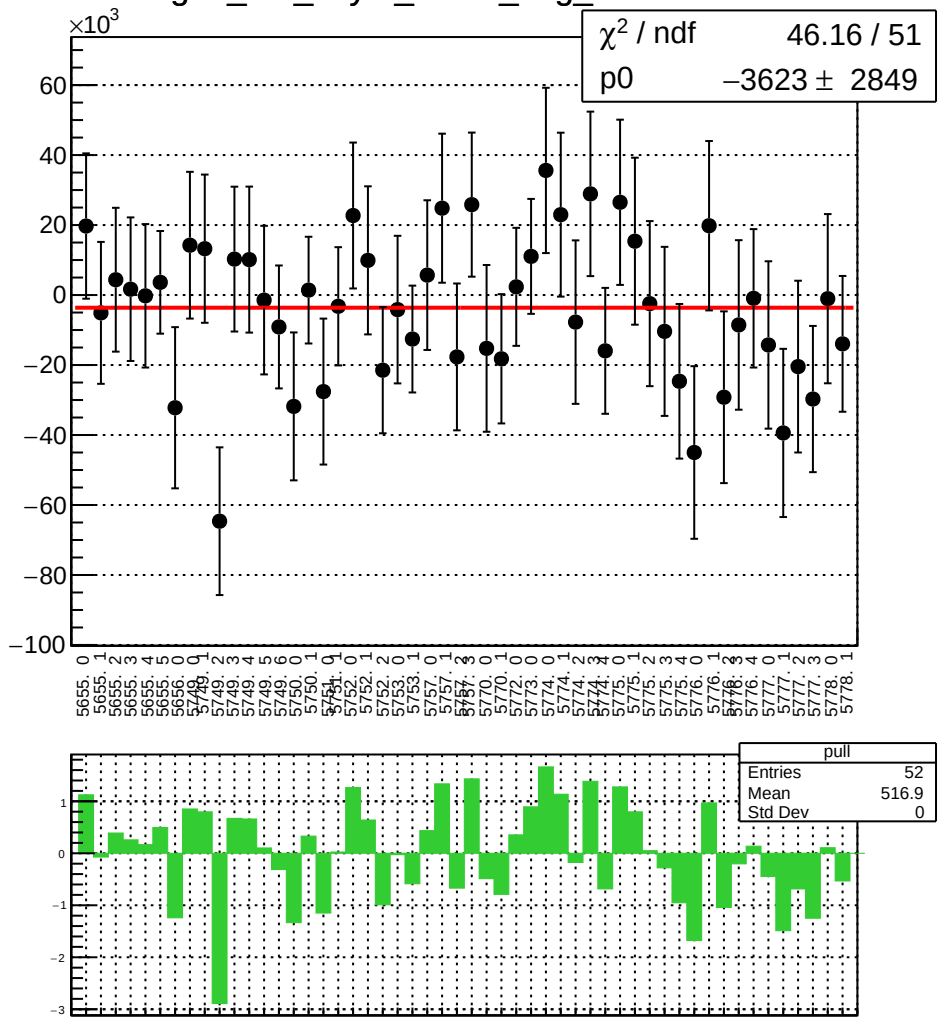
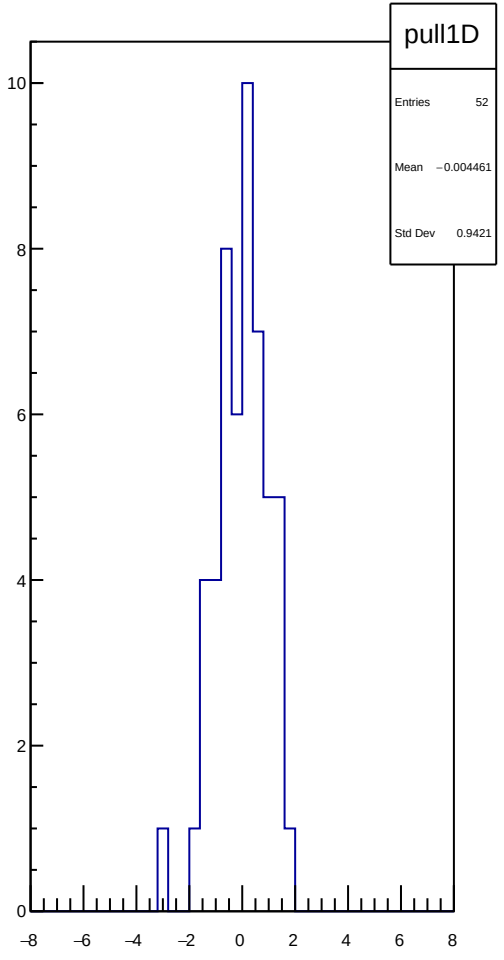
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

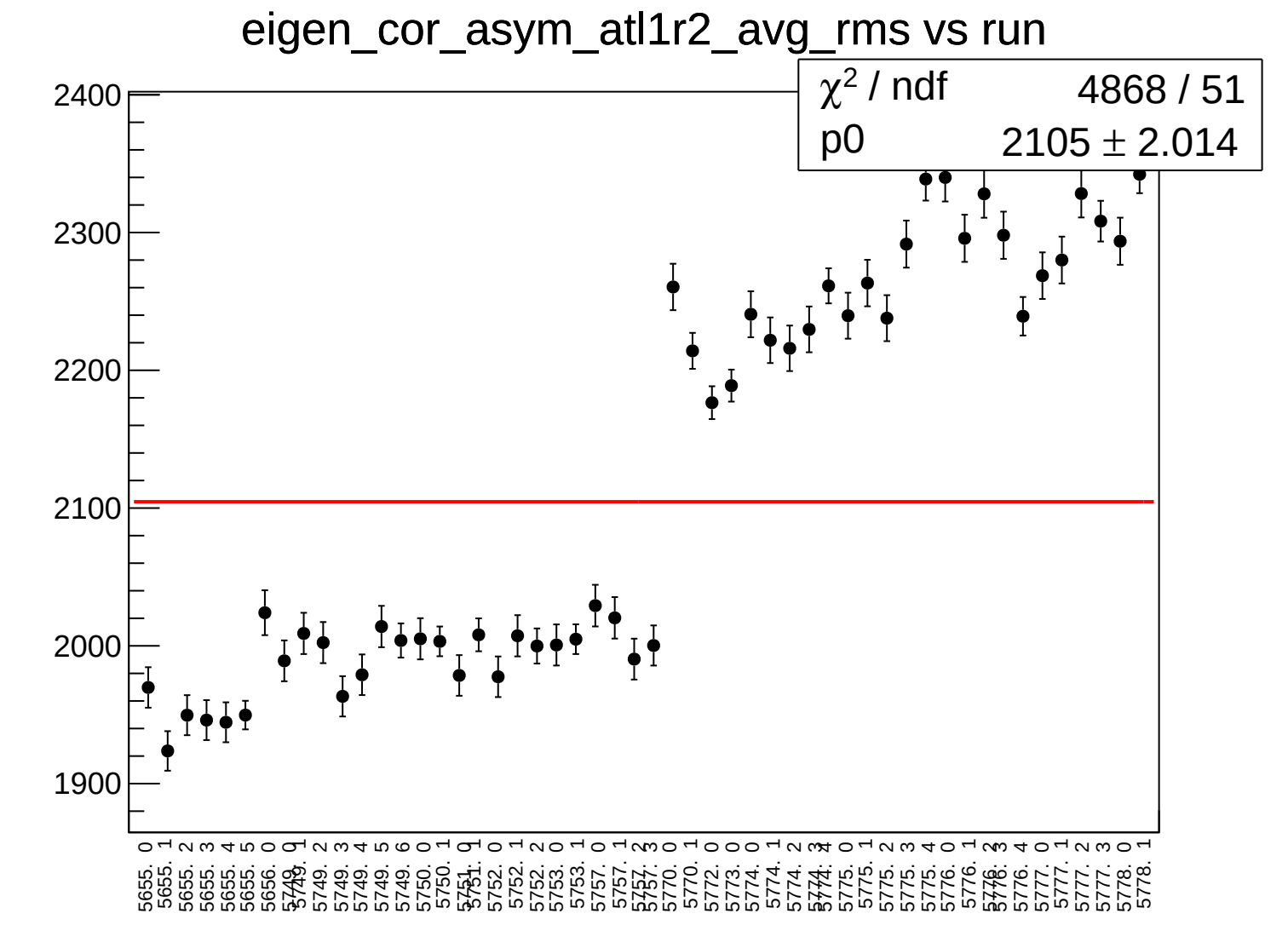

asym_atl1r2_avg_cor_correction_mean vs run
χ² / ndf 48.03 / 51
p0 −4228 ± 7398
×10³
pull
Entries 52
Mean 72.3
Std Dev 0


pull1D
Entries 52
Mean 0.01478
Std Dev 0.961


asym_atl1r2_avg_cor_correction_rms vs run
χ² / ndf 5.086e+04 / 51
p0 5349 ± 5.231
8000
7000
6000
5000
4000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_atl1r2_avg_mean vs run
χ² / ndf 46.16 / 51
p0 −3623 ± 2849
pull
Entries 52
Mean 516.9
Std Dev 0


pull1D
Entries 52
Mean −0.004461
Std Dev 0.9421


eigen_cor_asym_atl1r2_avg_rms vs run
χ² / ndf 4868 / 51
p0 2105 ± 2.014
2400
2300
2200
2100
2000
1900
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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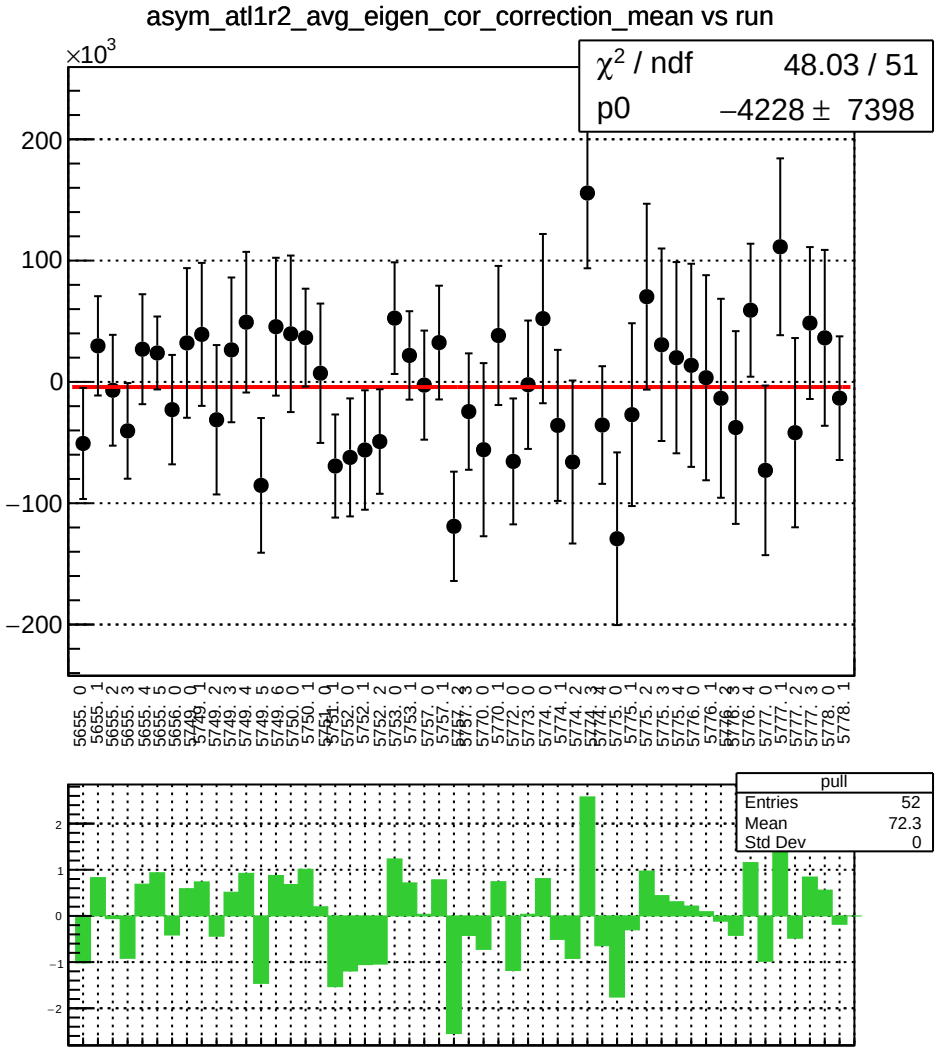
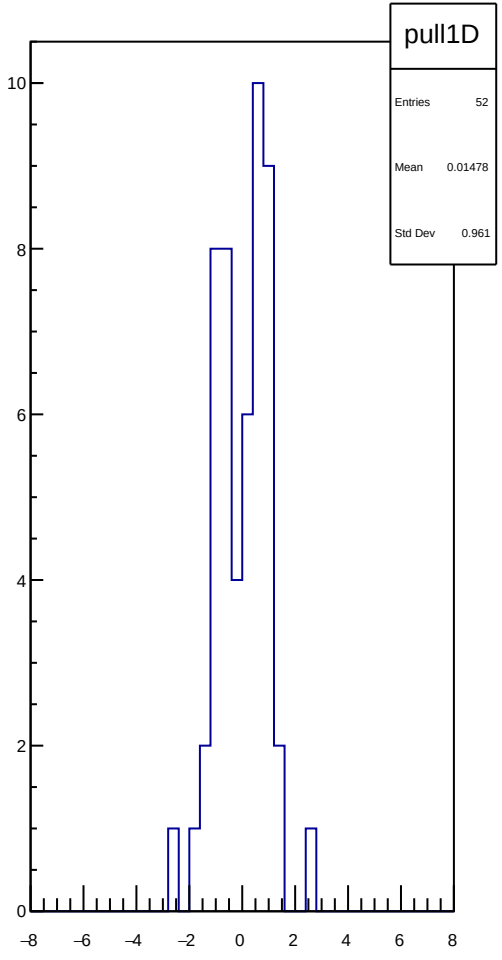
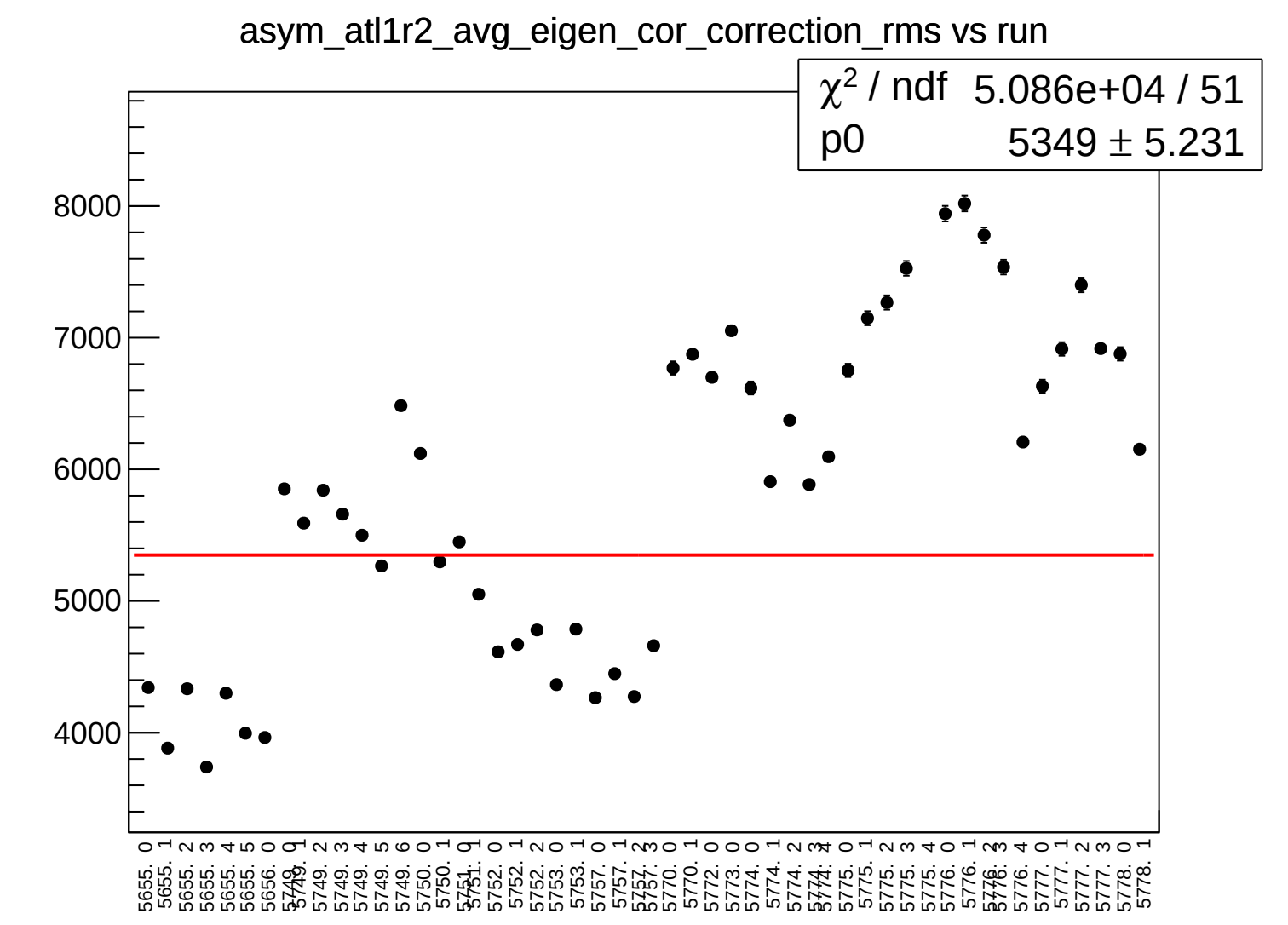
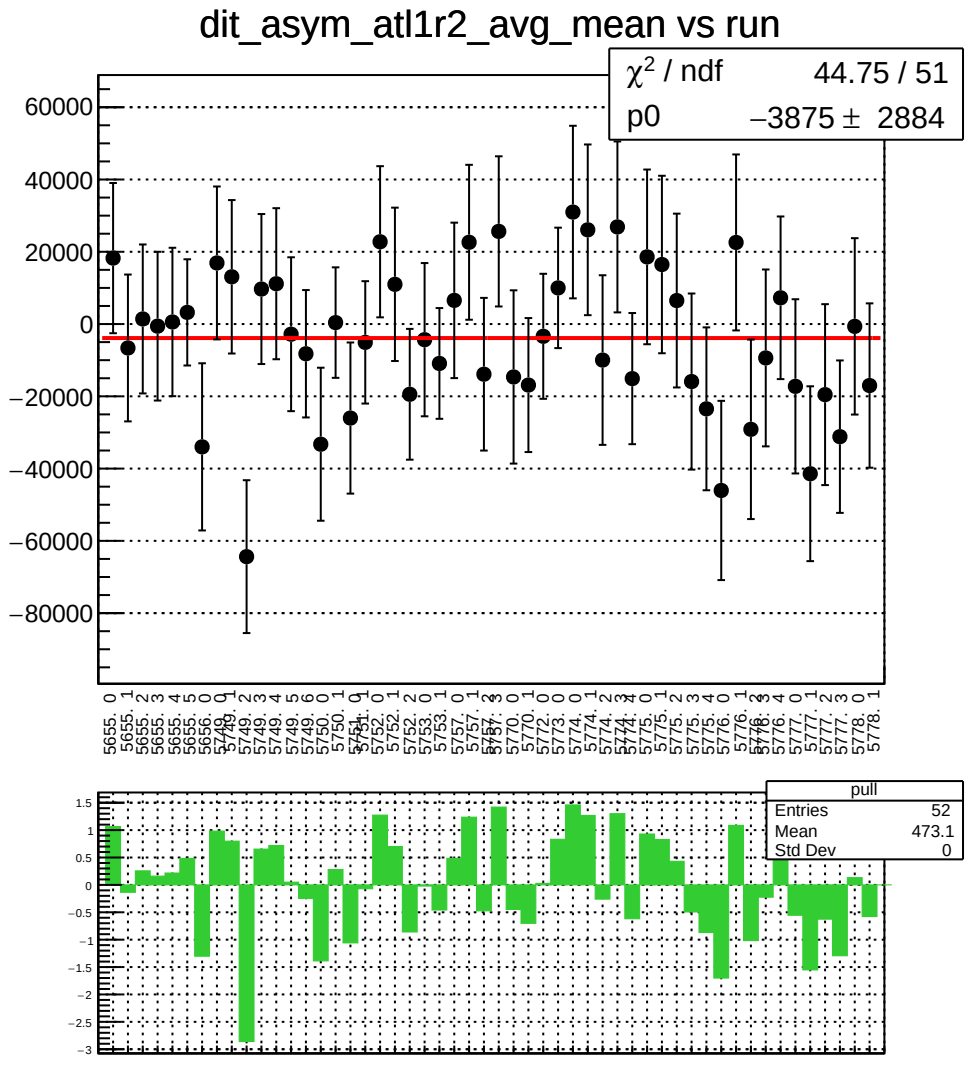
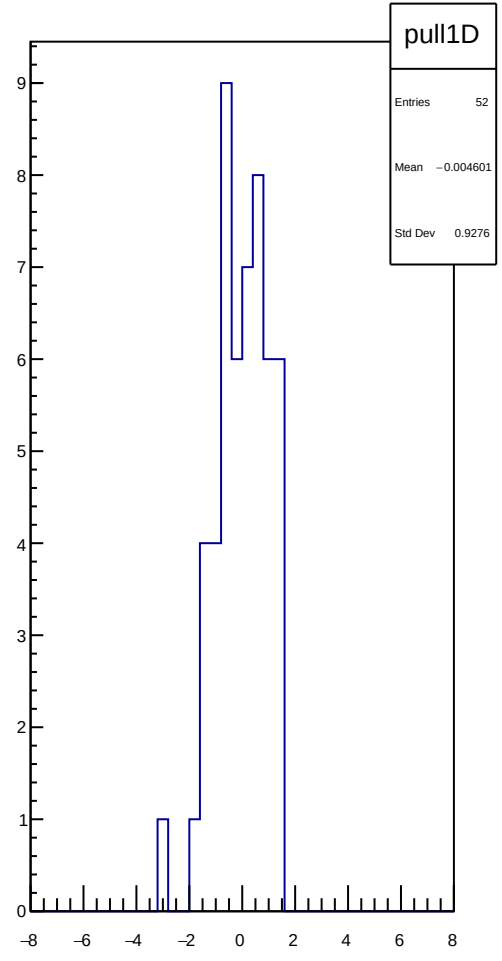
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

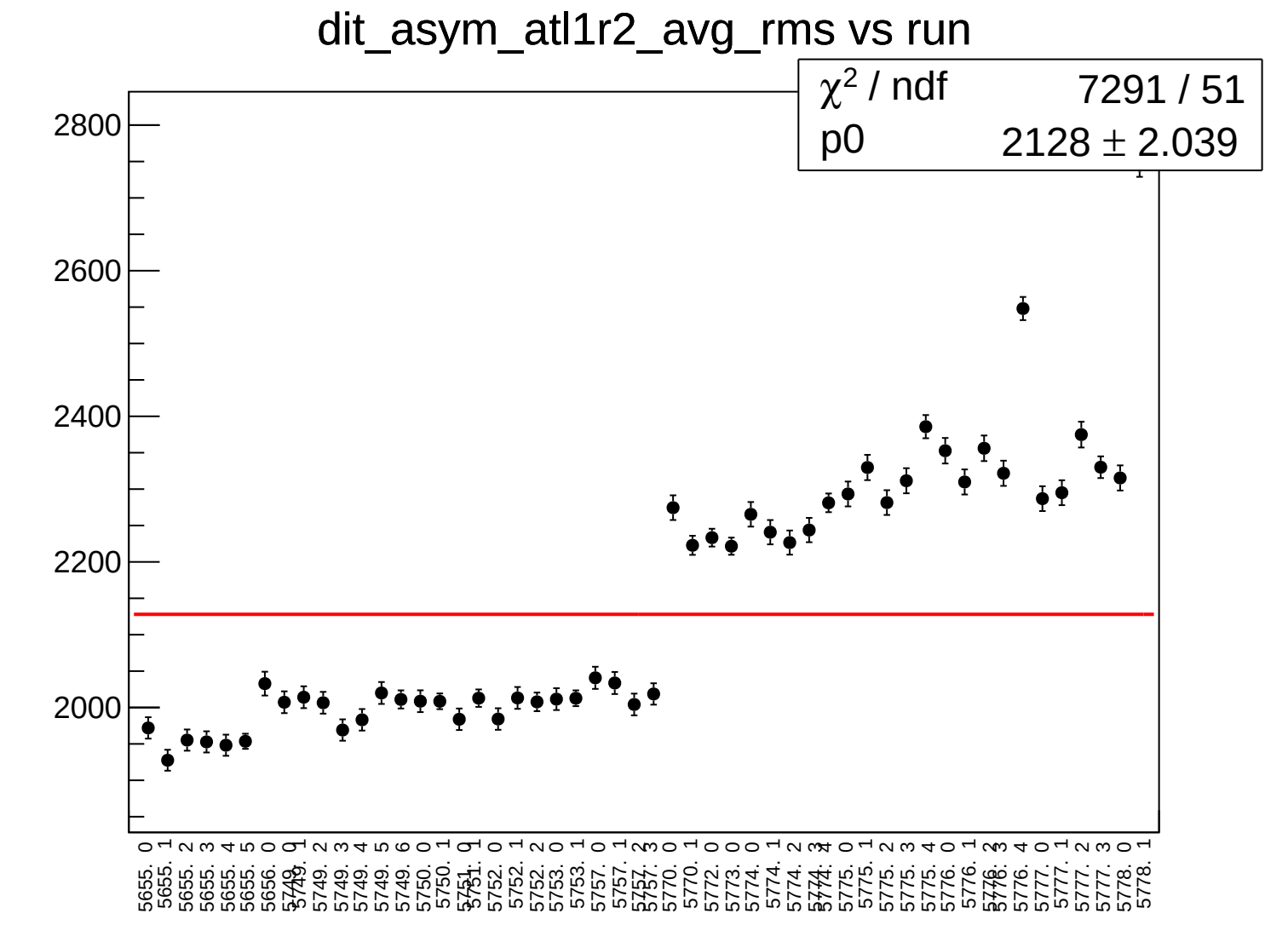

asym_atl1r2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 48.03 / 51
p0 −4228 ± 7398
200
100
0
−100
−200
pull
Entries 52
Mean 72.3
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01478
Std Dev 0.961
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 5.086e+04 / 51
p0 5349 ± 5.231
8000
7000
6000
5000
4000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


dit_asym_atl1r2_avg_mean vs run
χ² / ndf 44.75 / 51
p0 −3875 ± 2884
pull
Entries 52
Mean 473.1
Std Dev 0


pull1D
Entries 52
Mean −0.004601
Std Dev 0.9276


dit_asym_atl1r2_avg_rms vs run
χ² / ndf 7291 / 51
p0 2128 ± 2.039
2800
2600
2400
2200
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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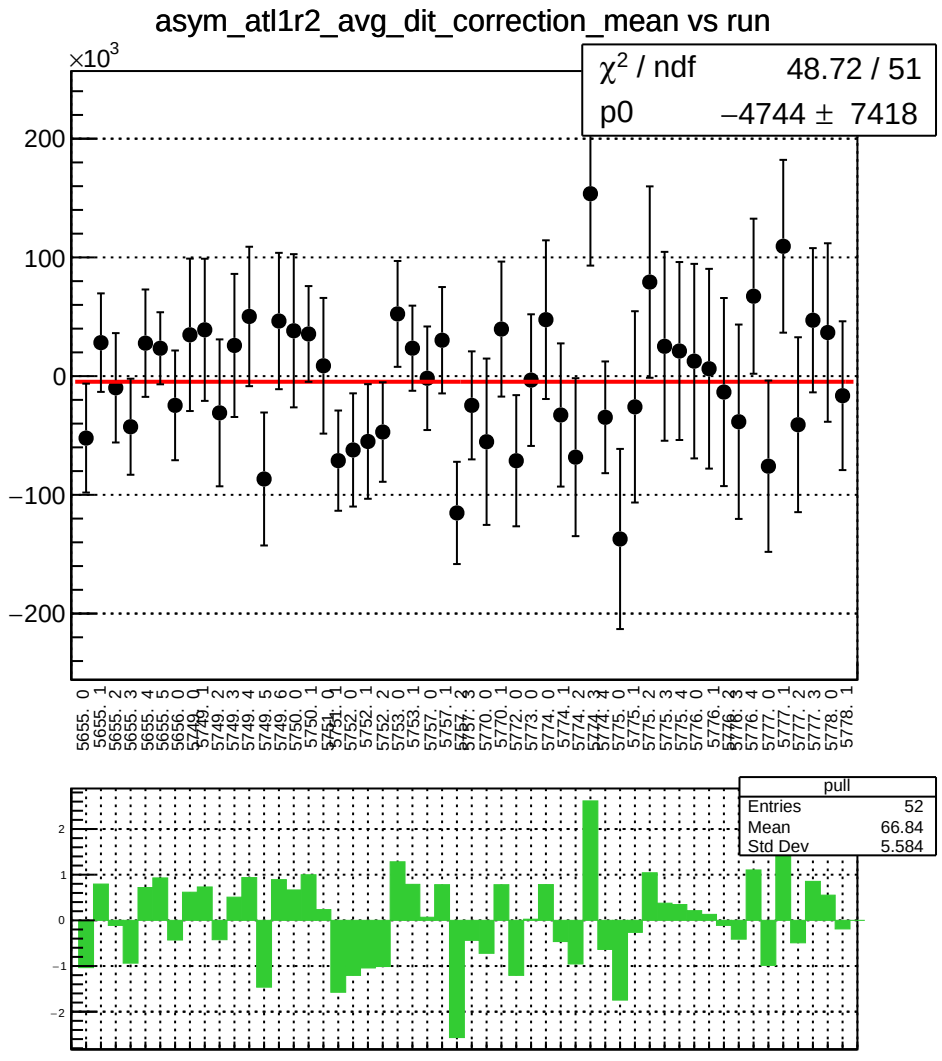
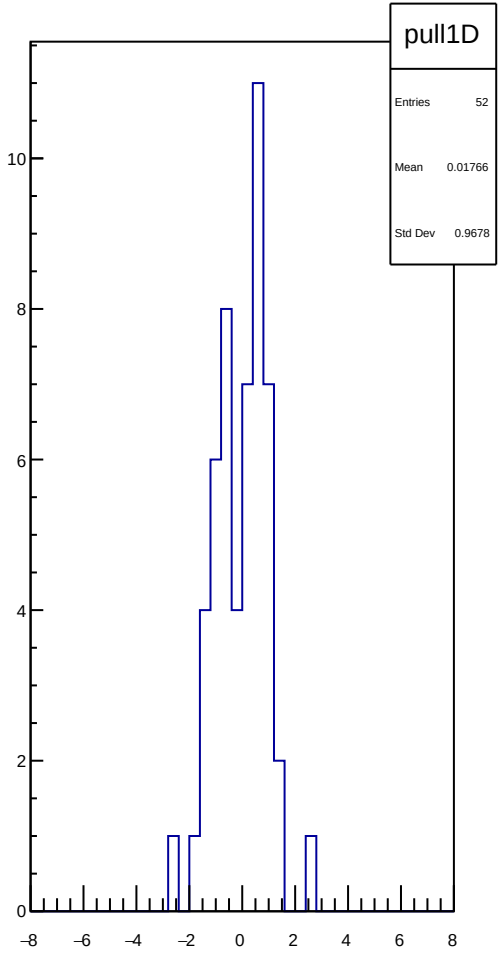
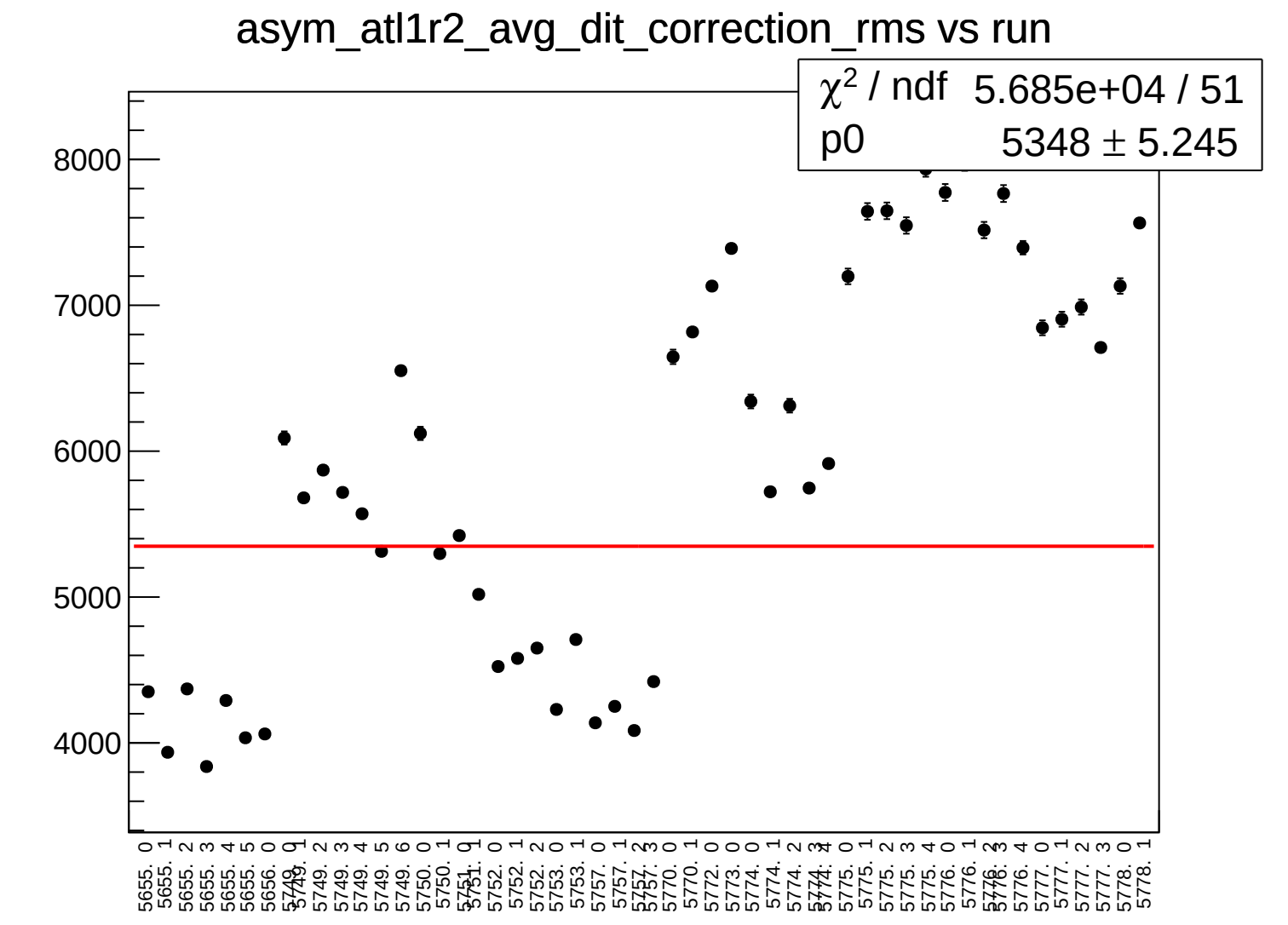
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl1r2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 48.72 / 51
p0 −4744 ± 7418
200
100
0
−100
−200
pull
Entries 52
Mean 66.84
Std Dev 5.584
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01766
Std Dev 0.9678
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_avg_dit_correction_rms vs run
χ² / ndf 5.685e+04 / 51
p0 5348 ± 5.245
8000
7000
6000
5000
4000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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5752. 0
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5753. 0
5753. 1
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5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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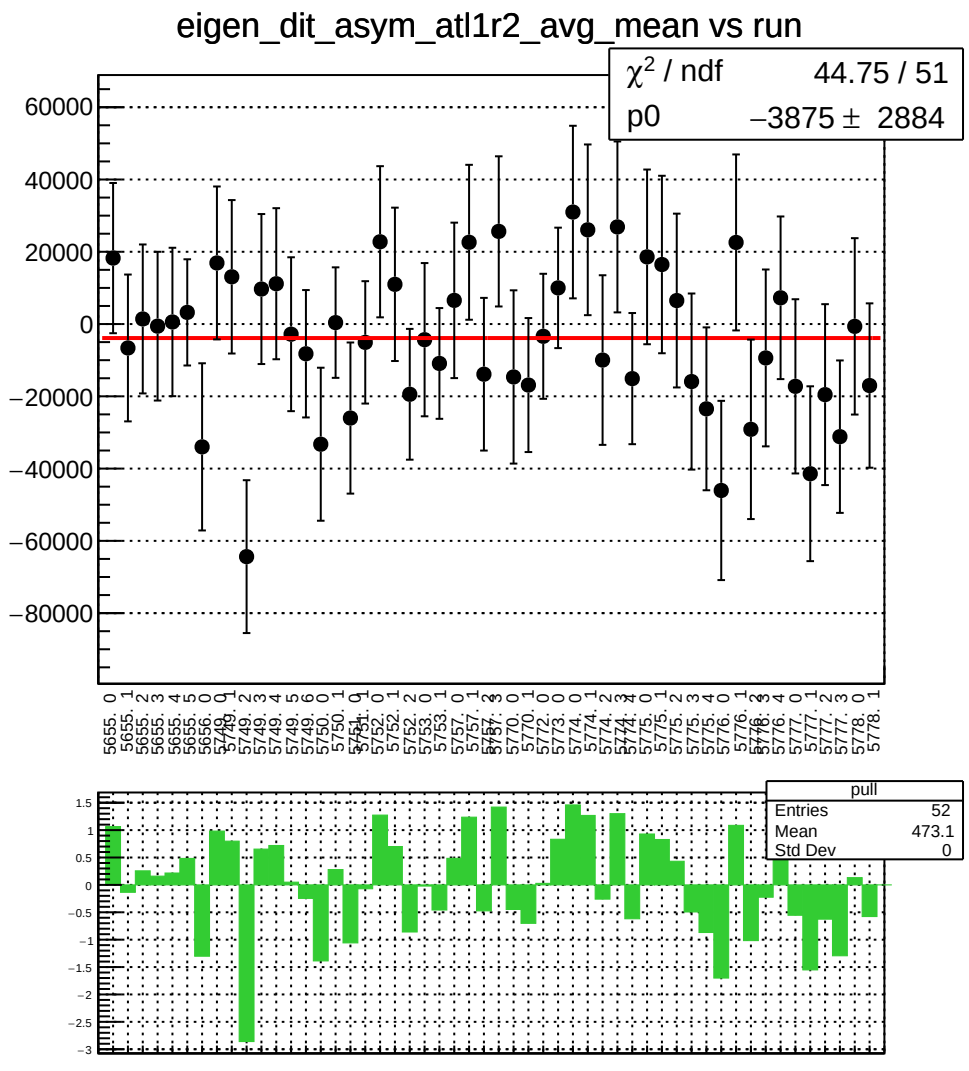
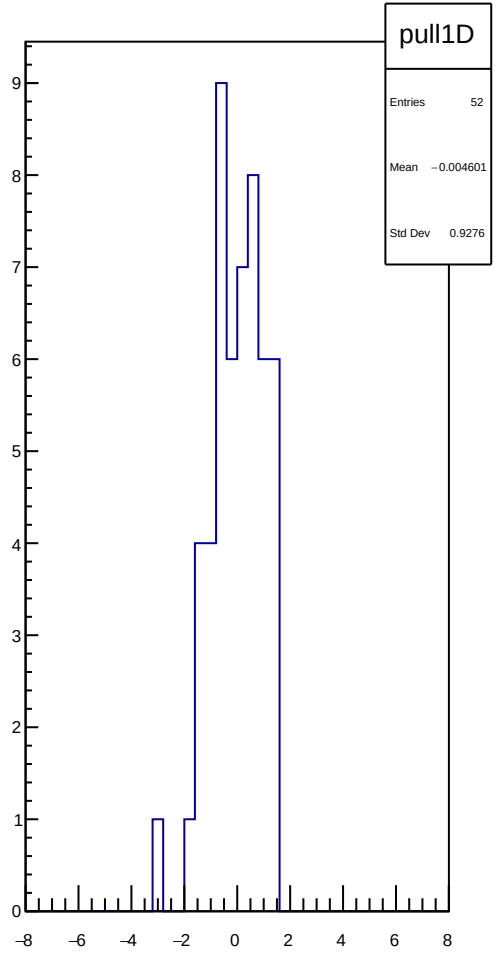
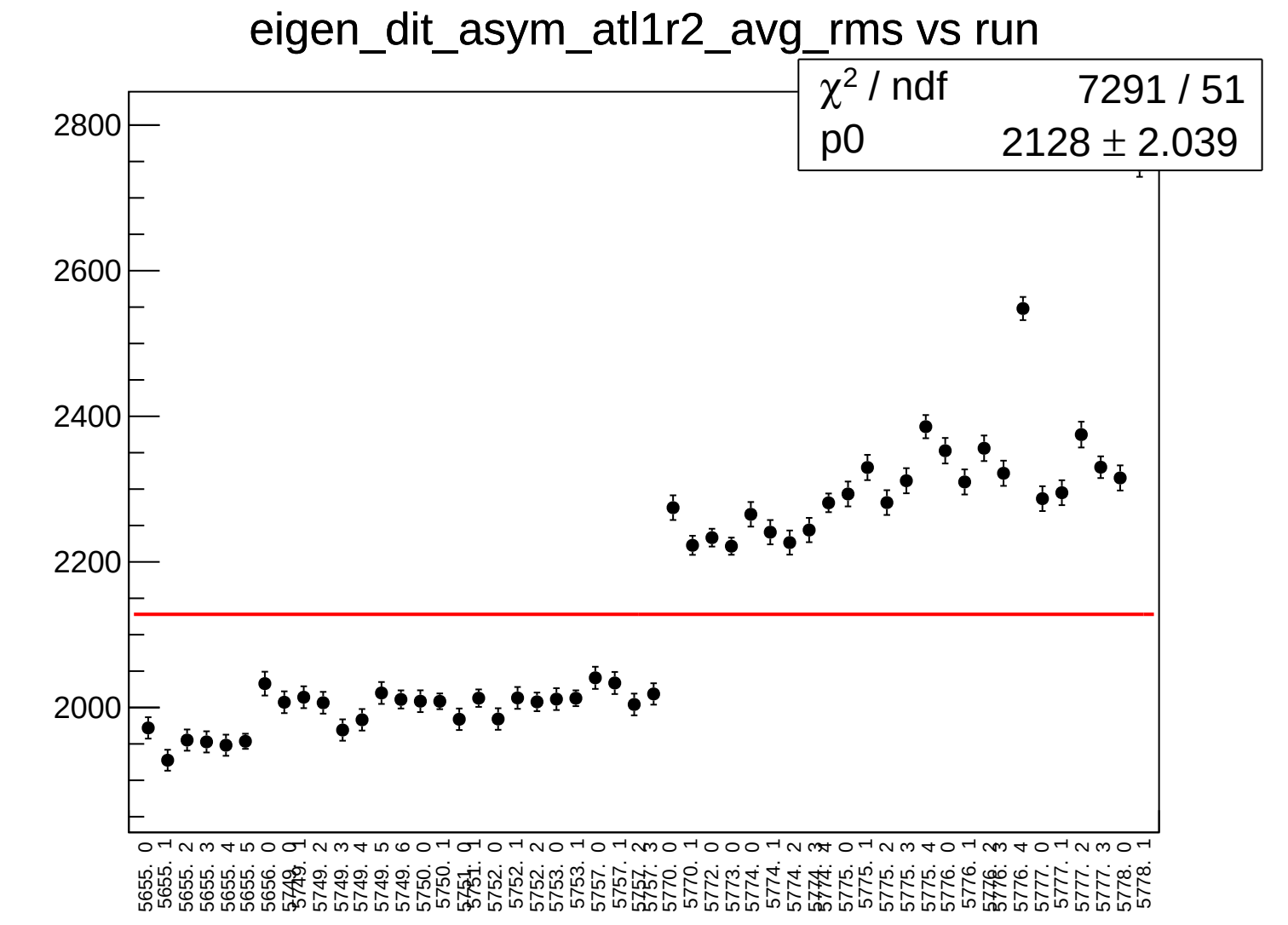
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_dit_asym_atl1r2_avg_mean vs run
χ² / ndf 44.75 / 51
p0 −3875 ± 2884
pull
Entries 52
Mean 473.1
Std Dev 0


pull1D
Entries 52
Mean −0.004601
Std Dev 0.9276


eigen_dit_asym_atl1r2_avg_rms vs run
χ^2 / ndf 7291 / 51
p0 2128 ± 2.039
2800
2600
2400
2200
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5749. 6
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5750. 1
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5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5777. 2
5777. 3
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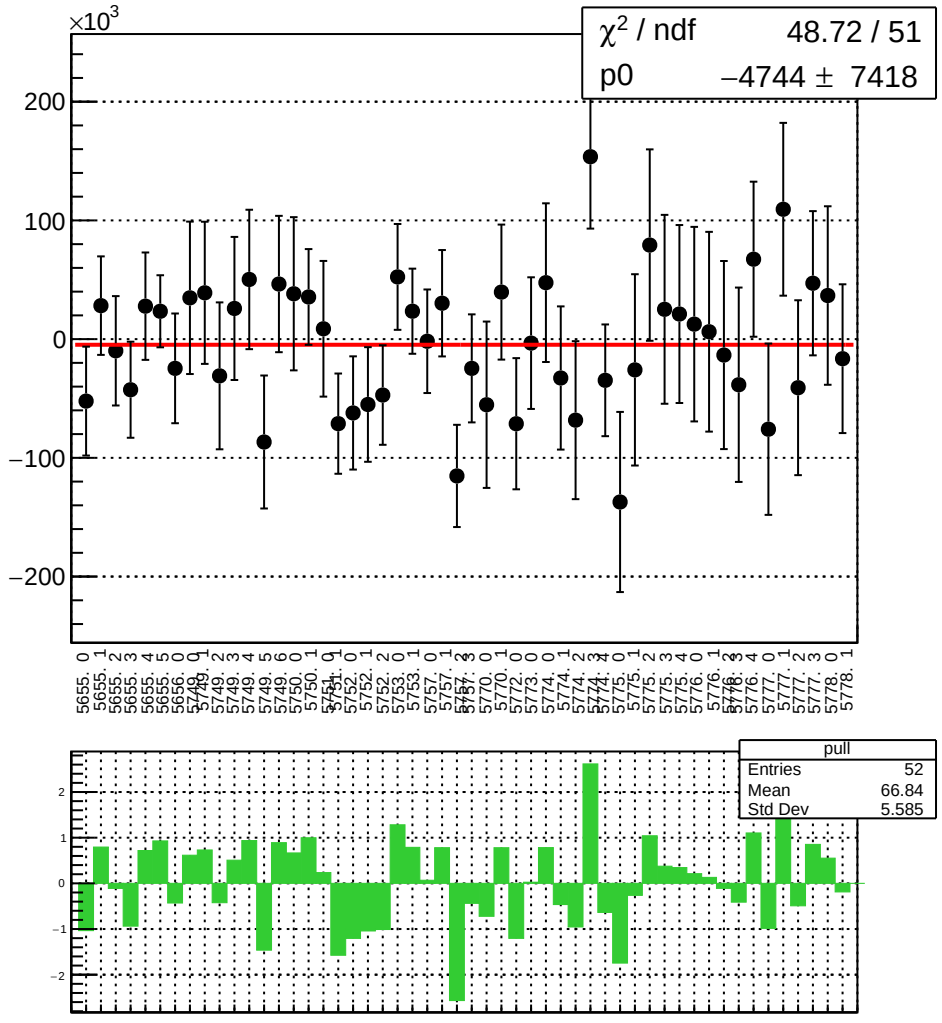
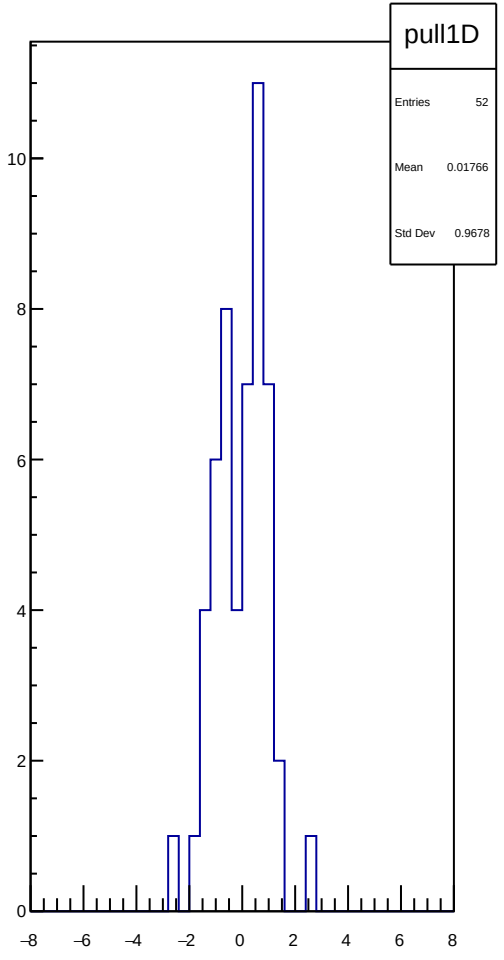
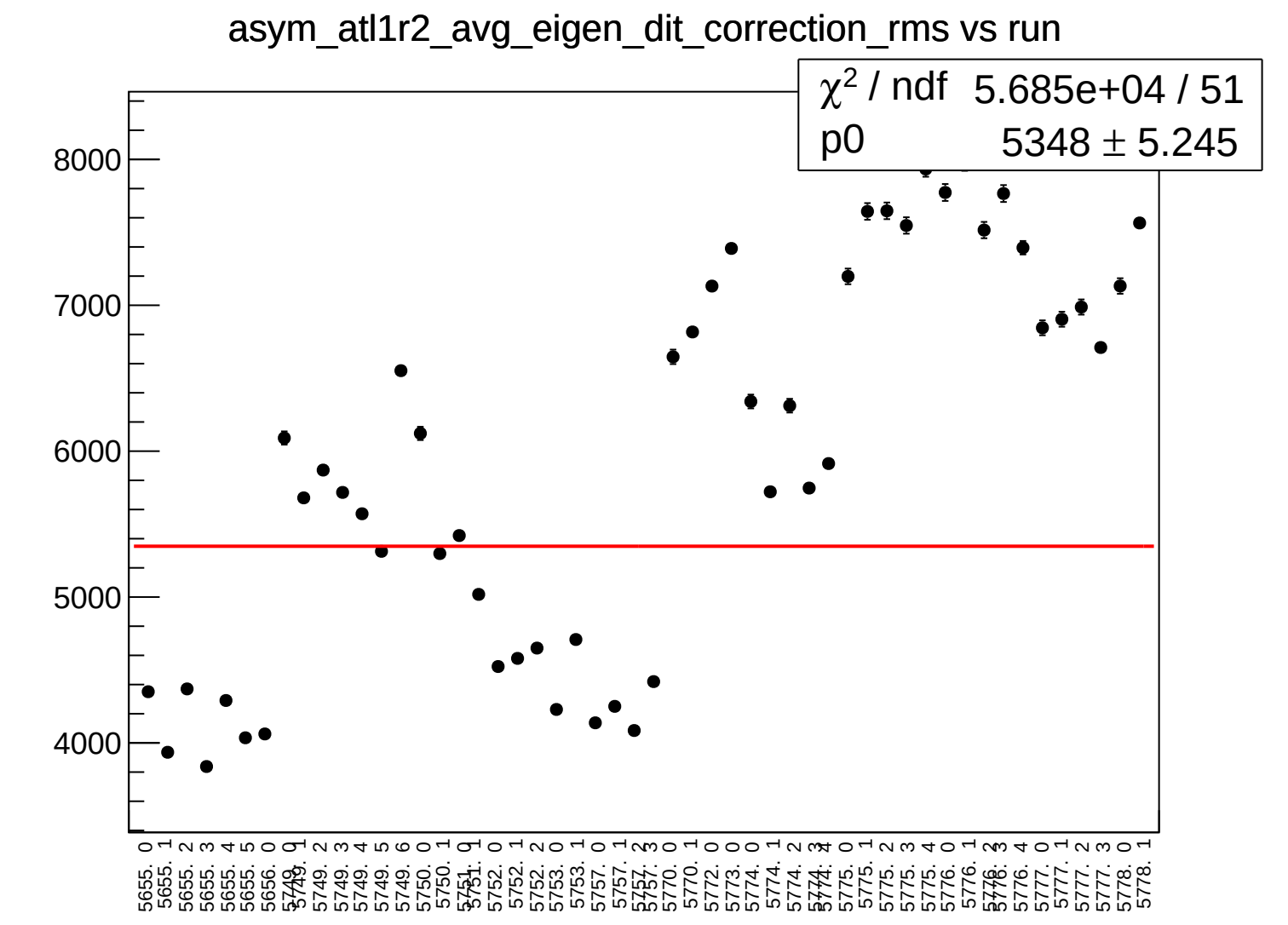
5778. 1


asym_atl1r2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 48.72 / 51
p0 −4744 ± 7418
200
100
0
−100
−200
pull
Entries 52
Mean 66.84
Std Dev 5.585
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01766
Std Dev 0.9678
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_avg_eigen_dit_correction_rms vs run
χ² / ndf 5.685e+04 / 51
p0 5348 ± 5.245
8000
7000
6000
5000
4000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
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5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5774. 1
5774. 2
5774. 3
5774. 4
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5777. 2
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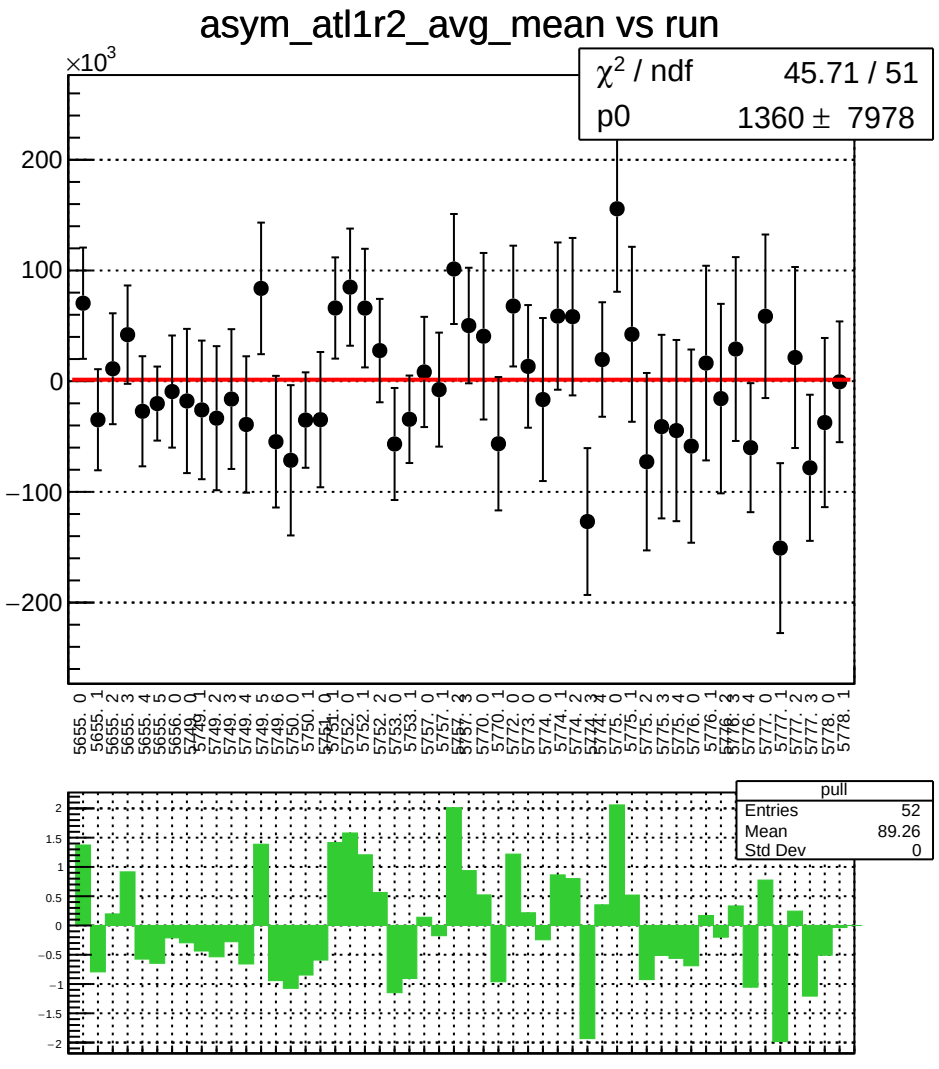
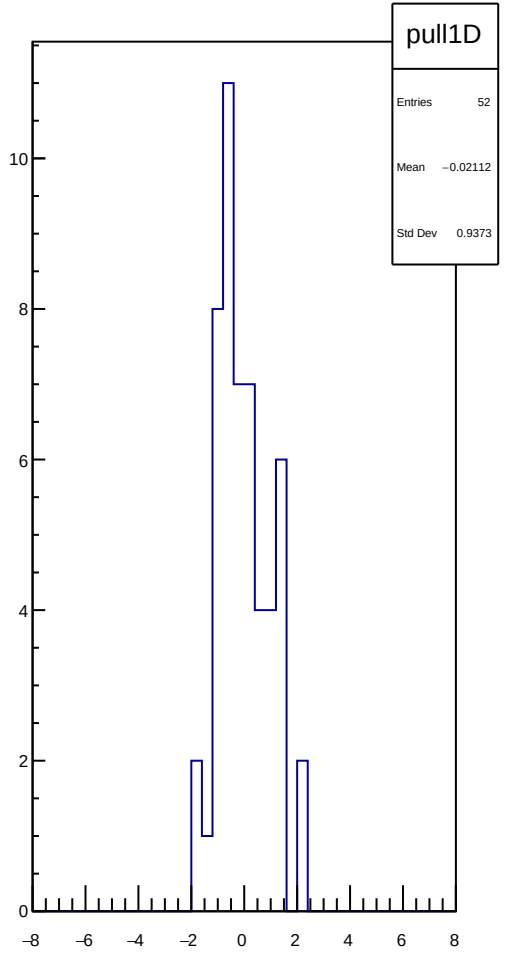
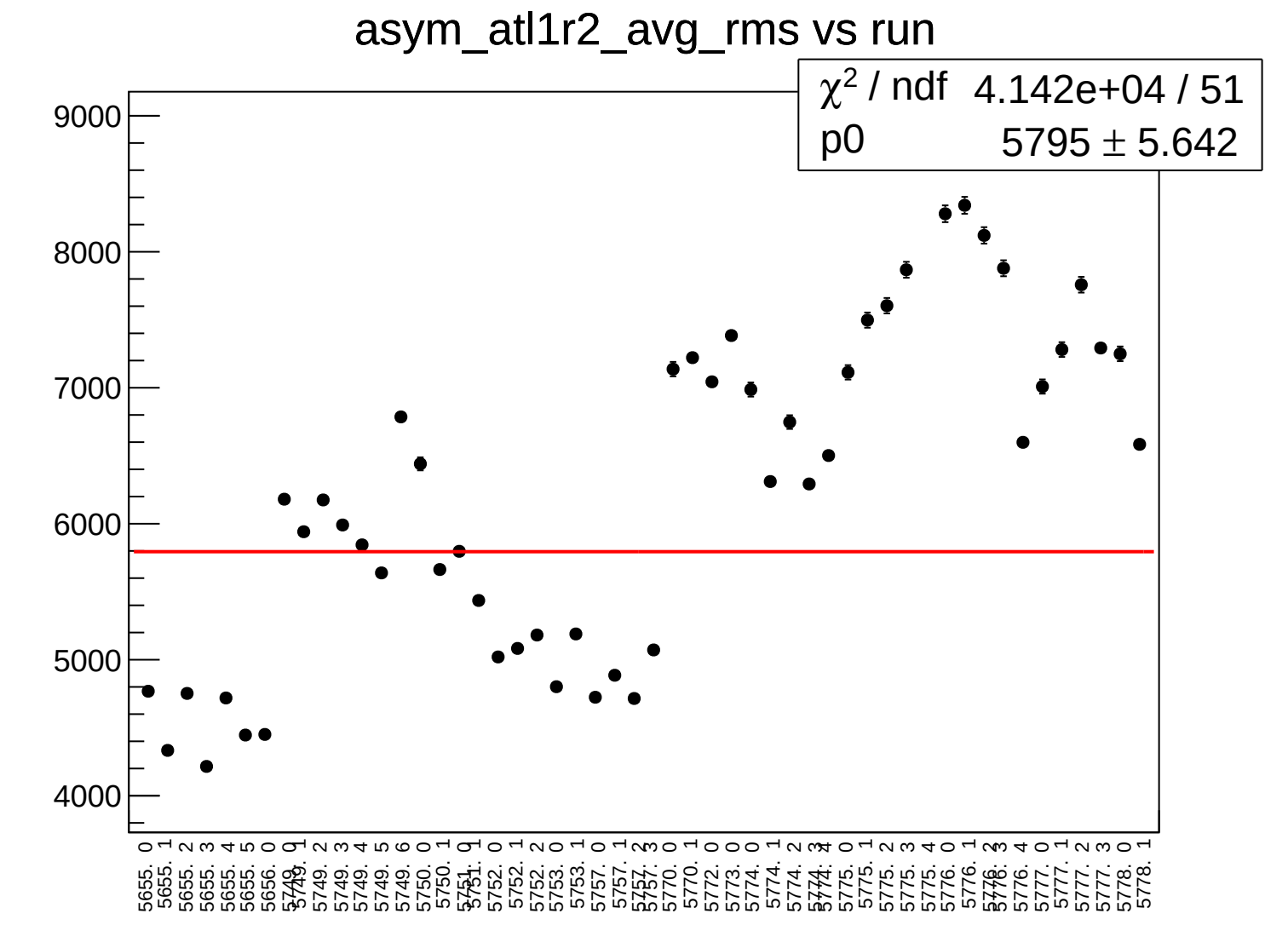
5778. 0
5778. 1


asym_atl1r2_avg_mean vs run
×10^3
χ^2 / ndf 45.71 / 51
p0 1360 ± 7978
200
100
0
−100
−200
pull
Entries 52
Mean 89.26
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean −0.02112
Std Dev 0.9373
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_avg_rms vs run
χ² / ndf 4.142e+04 / 51
p0 5795 ± 5.642
9000
8000
7000
6000
5000
4000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5750. 1
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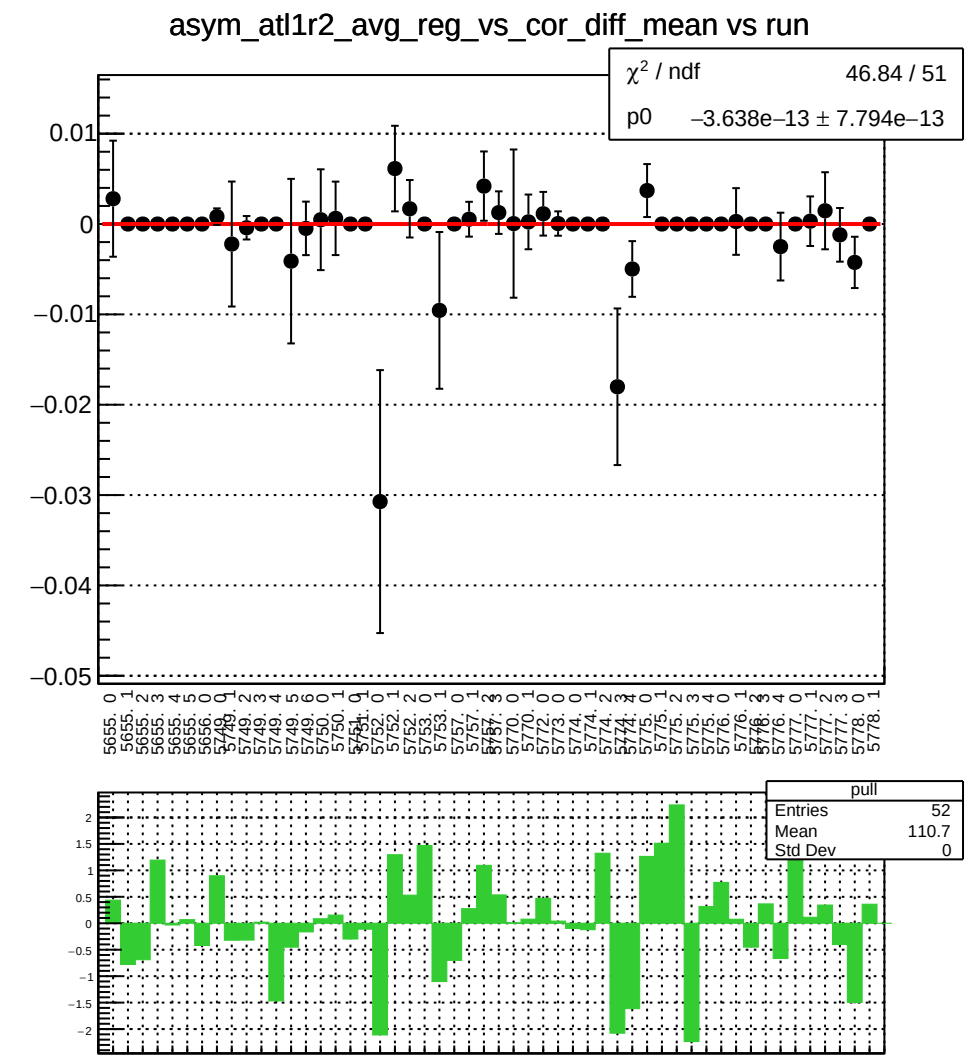
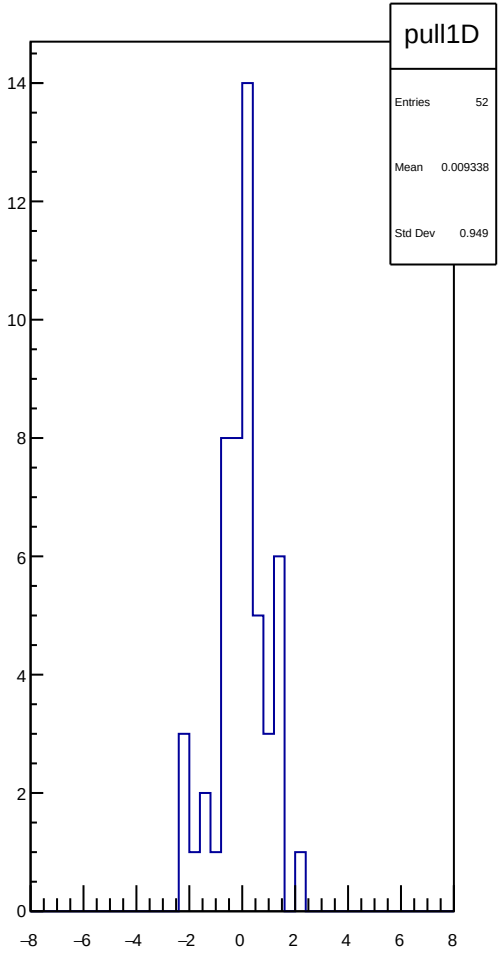
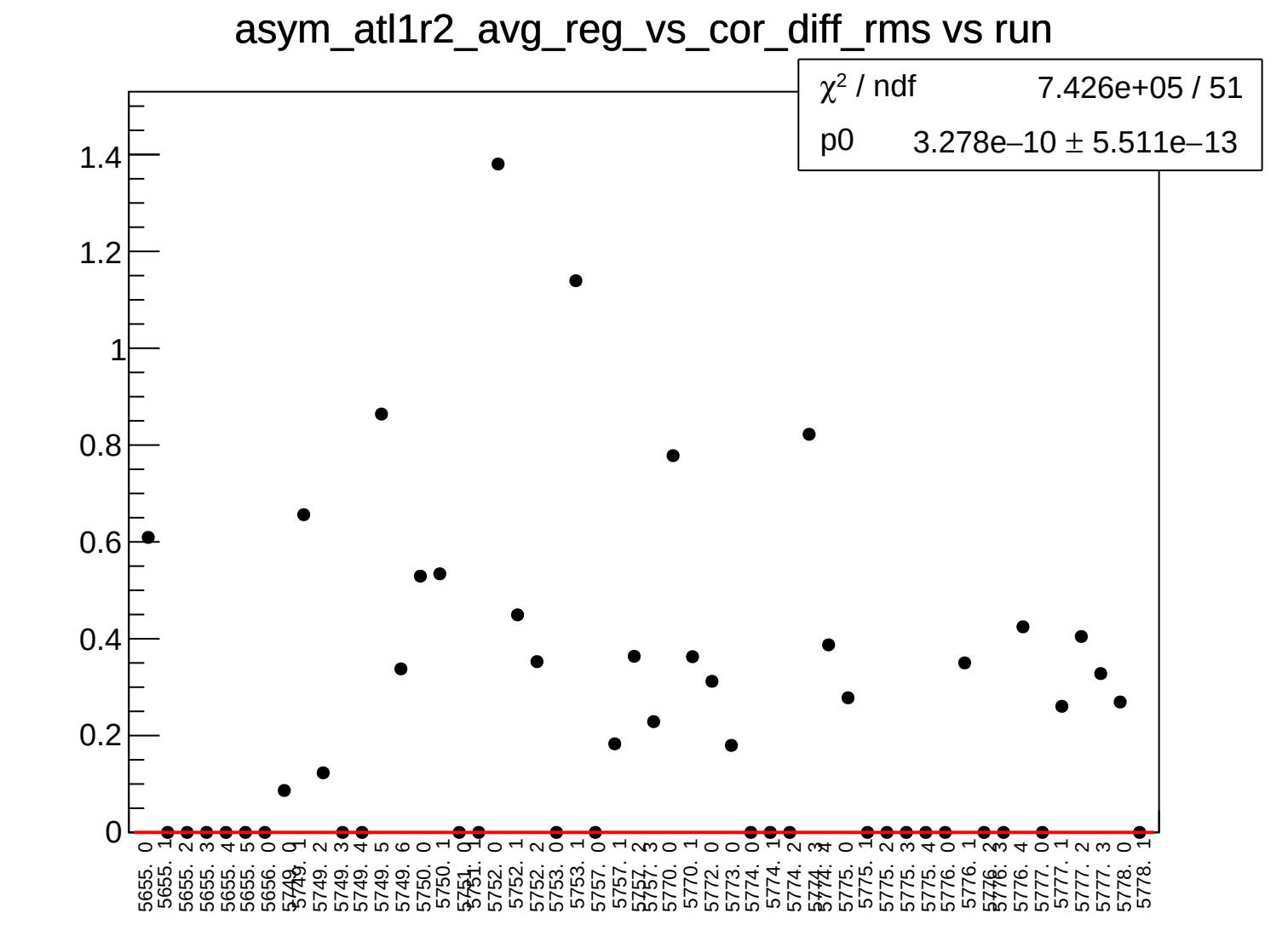
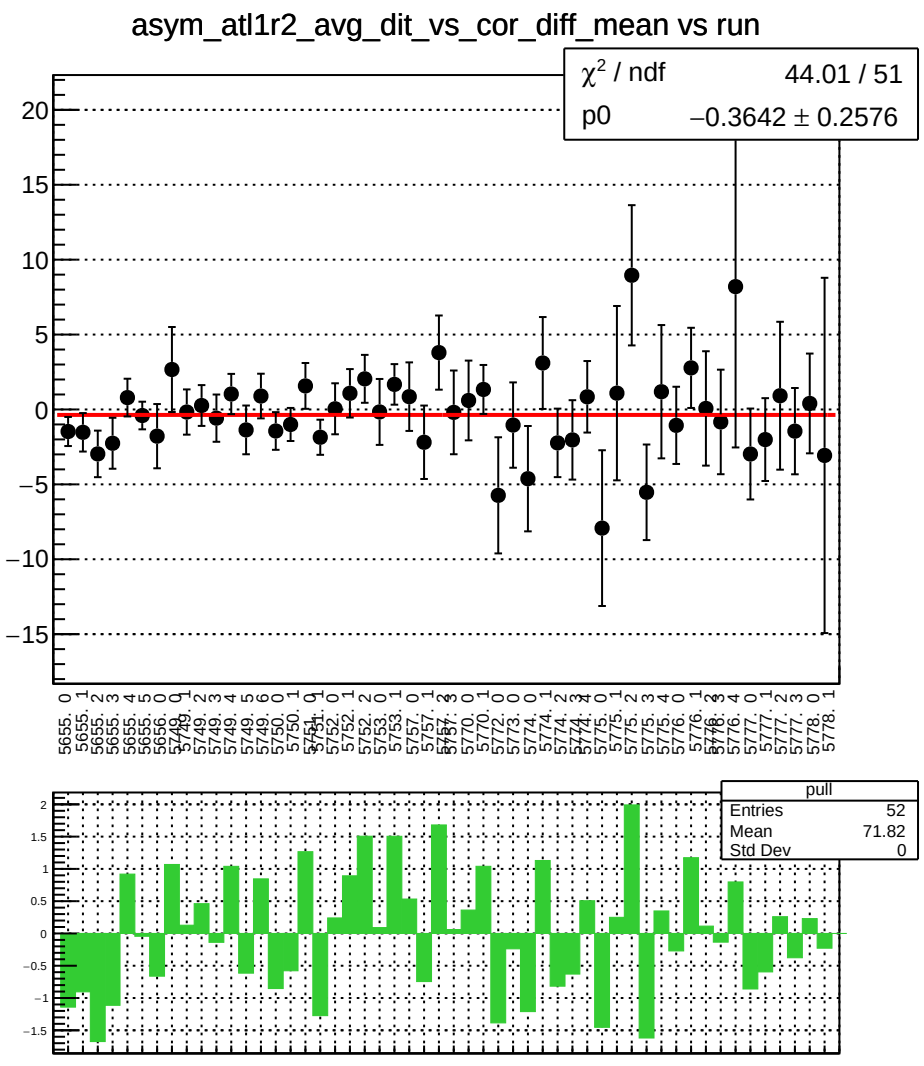
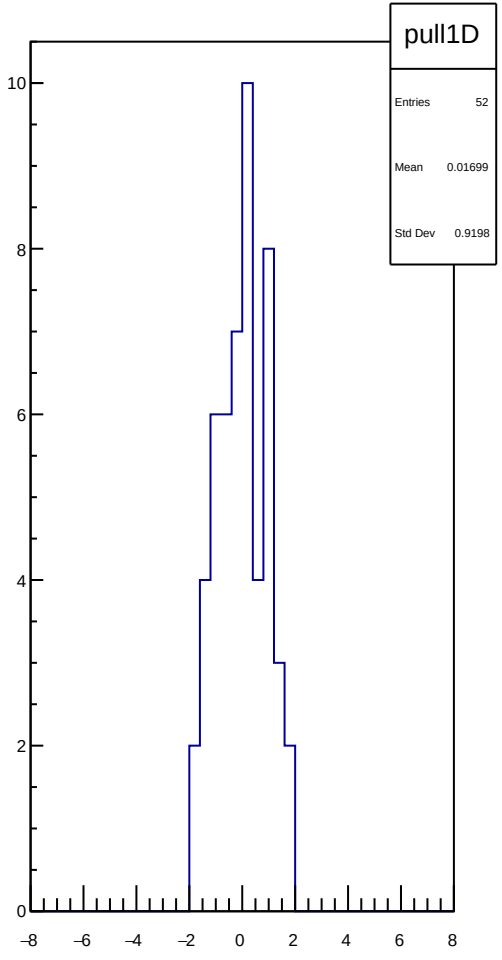
5778. 1

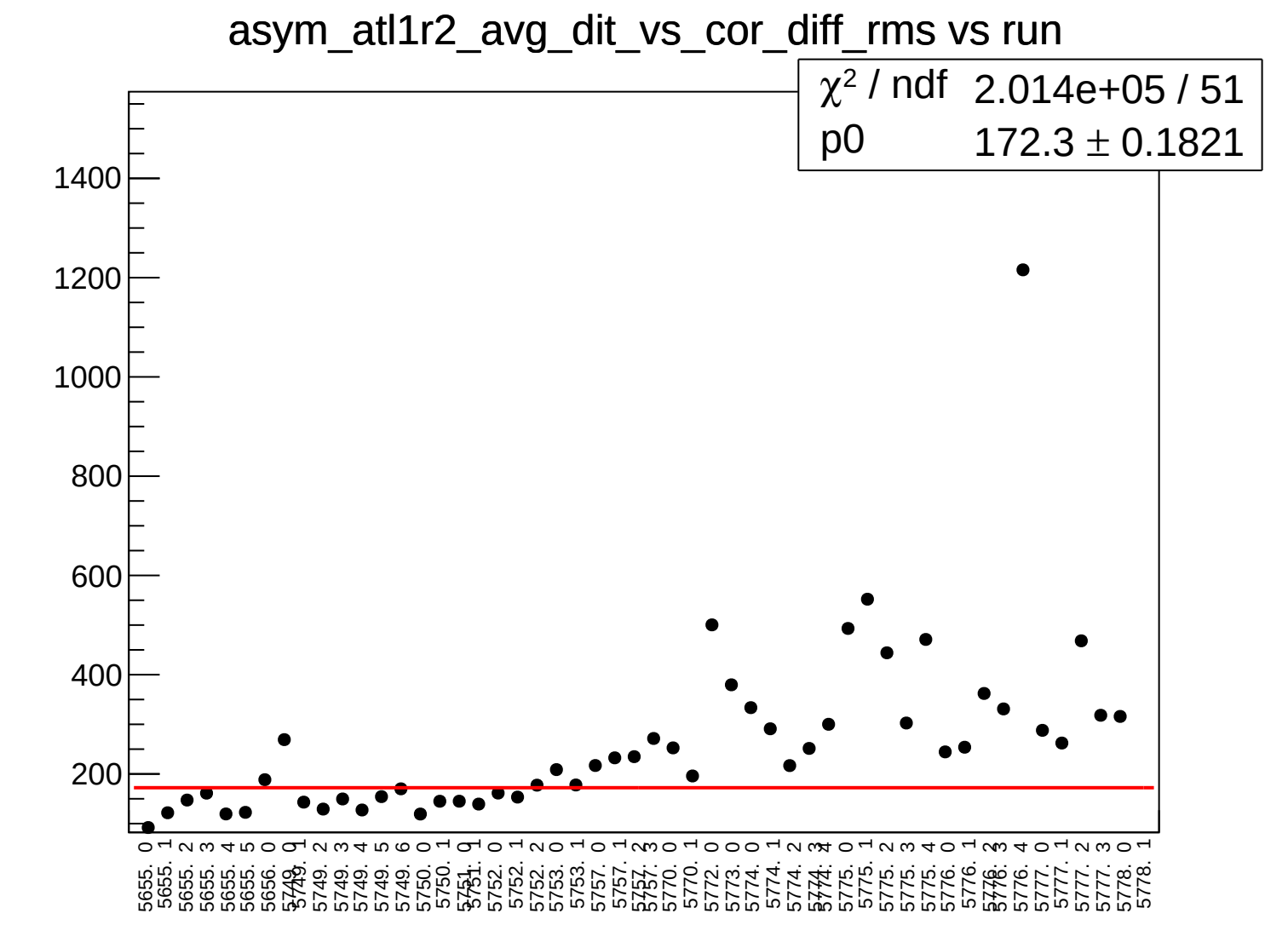

asym_atl1r2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 46.84 / 51
p0 −3.638e−13 ± 7.794e−13
pull
Entries 52
Mean 110.7
Std Dev 0


pull1D
Entries 52
Mean 0.009338
Std Dev 0.949


asym_atl1r2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.426e+05 / 51
p0 3.278e−10 ± 5.511e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl1r2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 44.01 / 51
p0 −0.3642 ± 0.2576
pull
Entries 52
Mean 71.82
Std Dev 0


pull1D
Entries 52
Mean 0.01699
Std Dev 0.9198


asym_atl1r2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.014e+05 / 51
p0 172.3 ± 0.1821
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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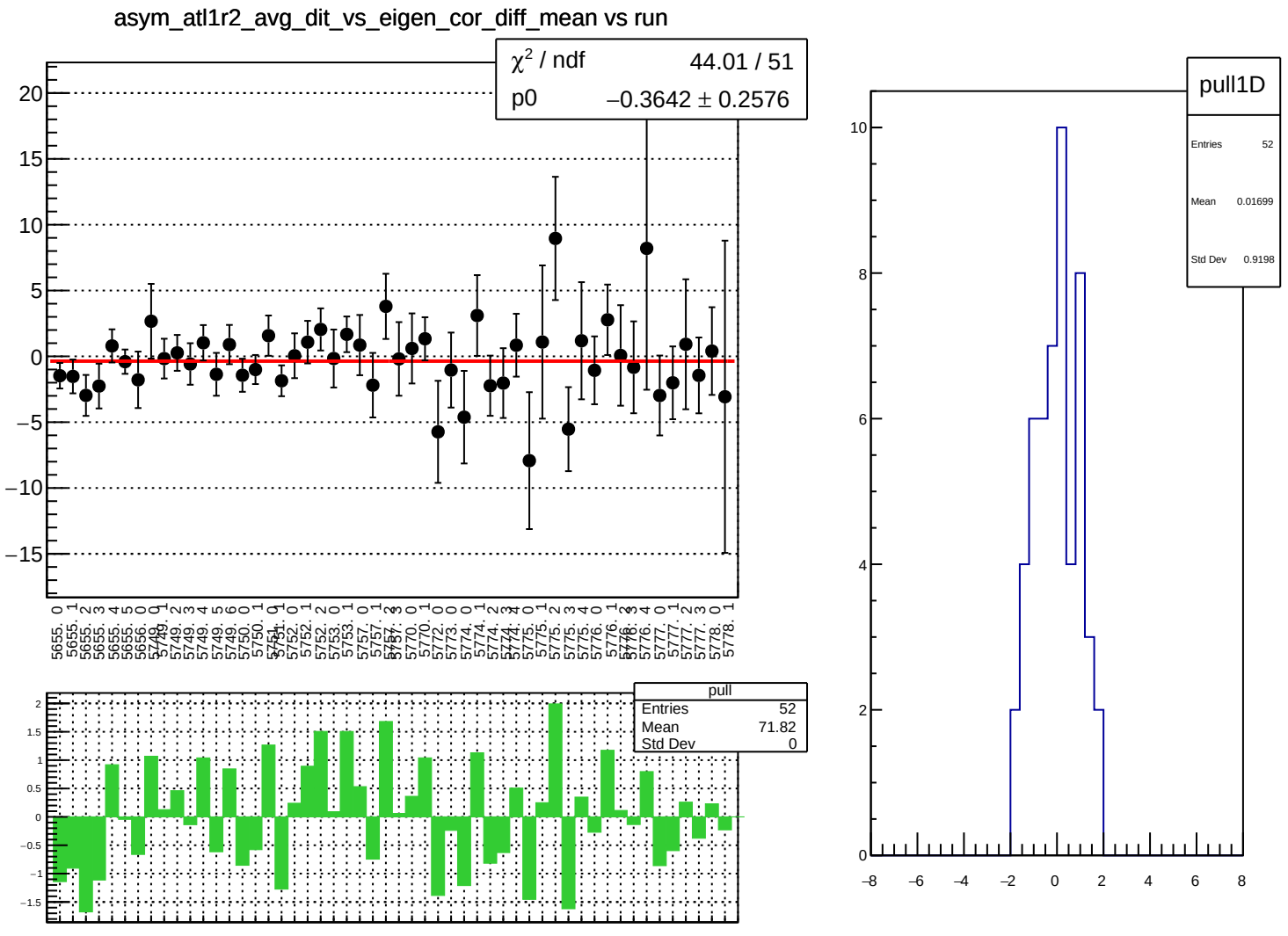
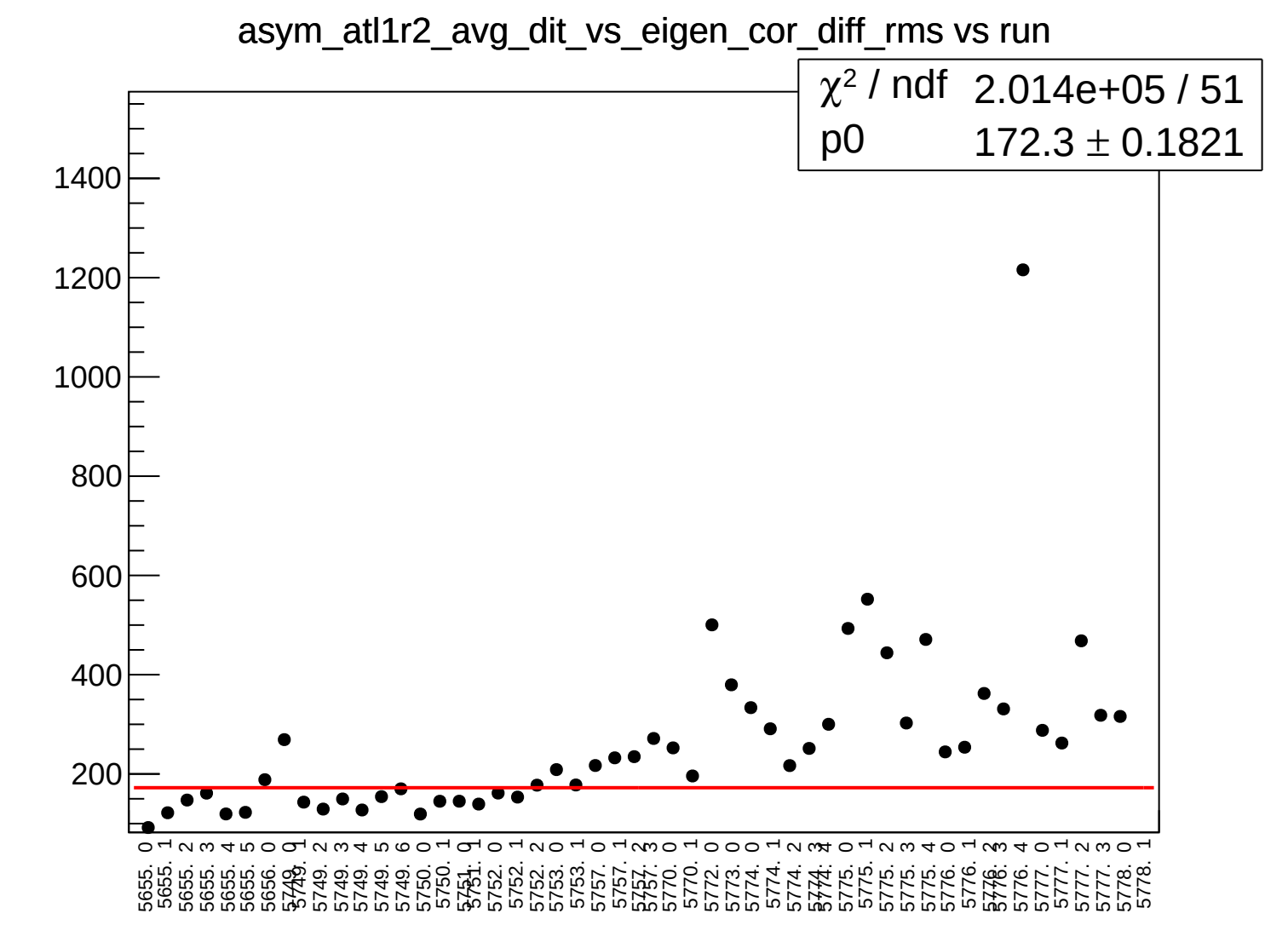
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.01 / 51
p0 −0.3642 ± 0.2576
pull
Entries 52
Mean 71.82
Std Dev 0
pull1D
Entries 52
Mean 0.01699
Std Dev 0.9198


asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.014e+05 / 51
p0 172.3 ± 0.1821
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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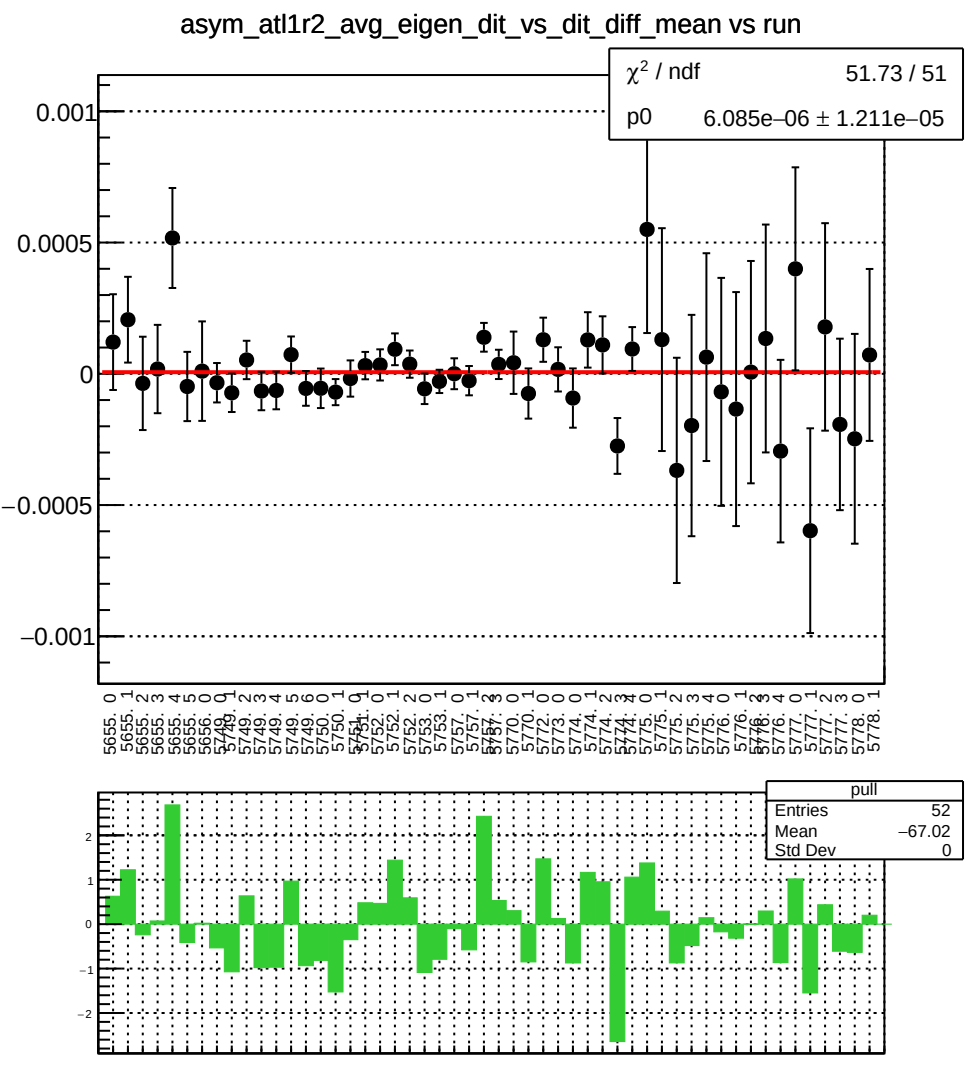
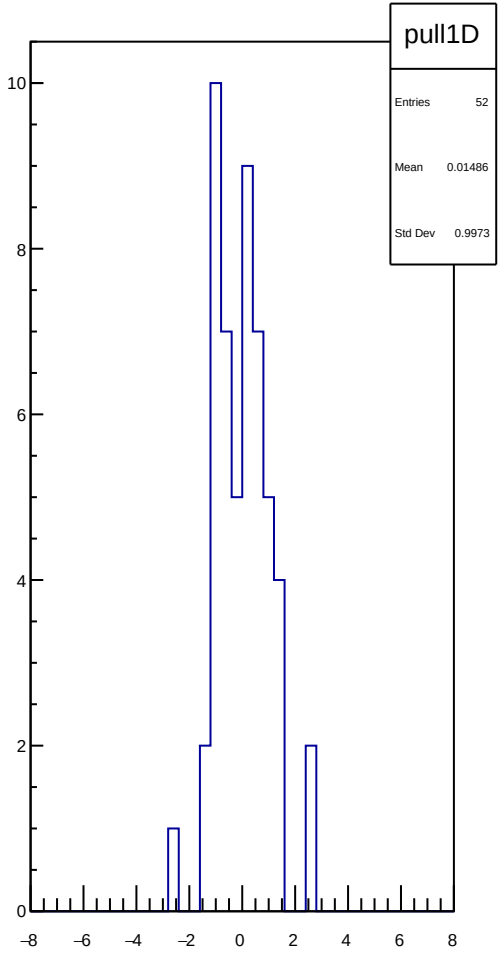
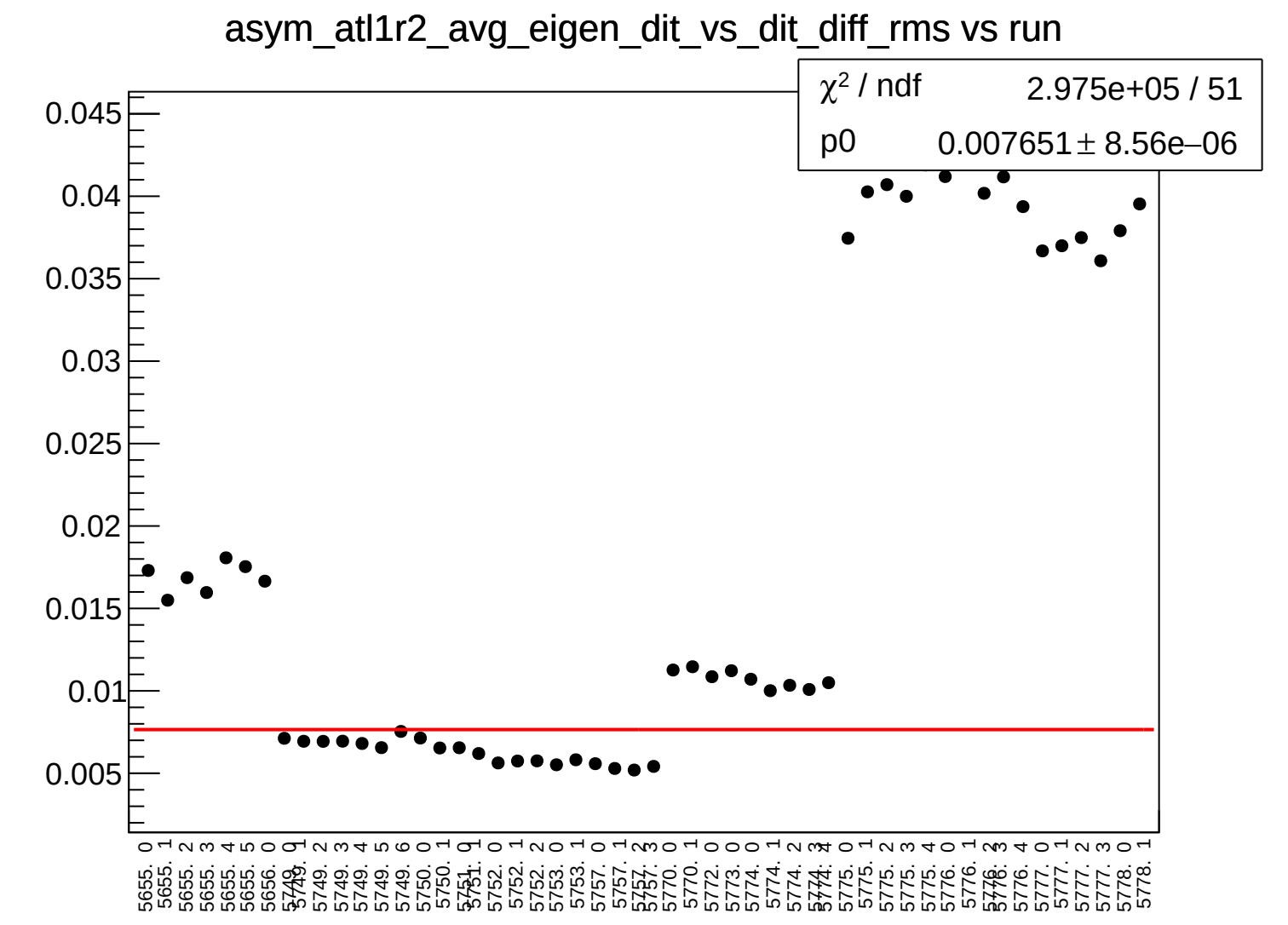
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 51.73 / 51
p0 6.085e−06 ± 1.211e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 52
Mean −67.02
Std Dev 0


pull1D
Entries 52
Mean 0.01486
Std Dev 0.9973


asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.975e+05 / 51
p0 0.007651 ± 8.56e−06
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
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5774. 0
5774. 1
5774. 2
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5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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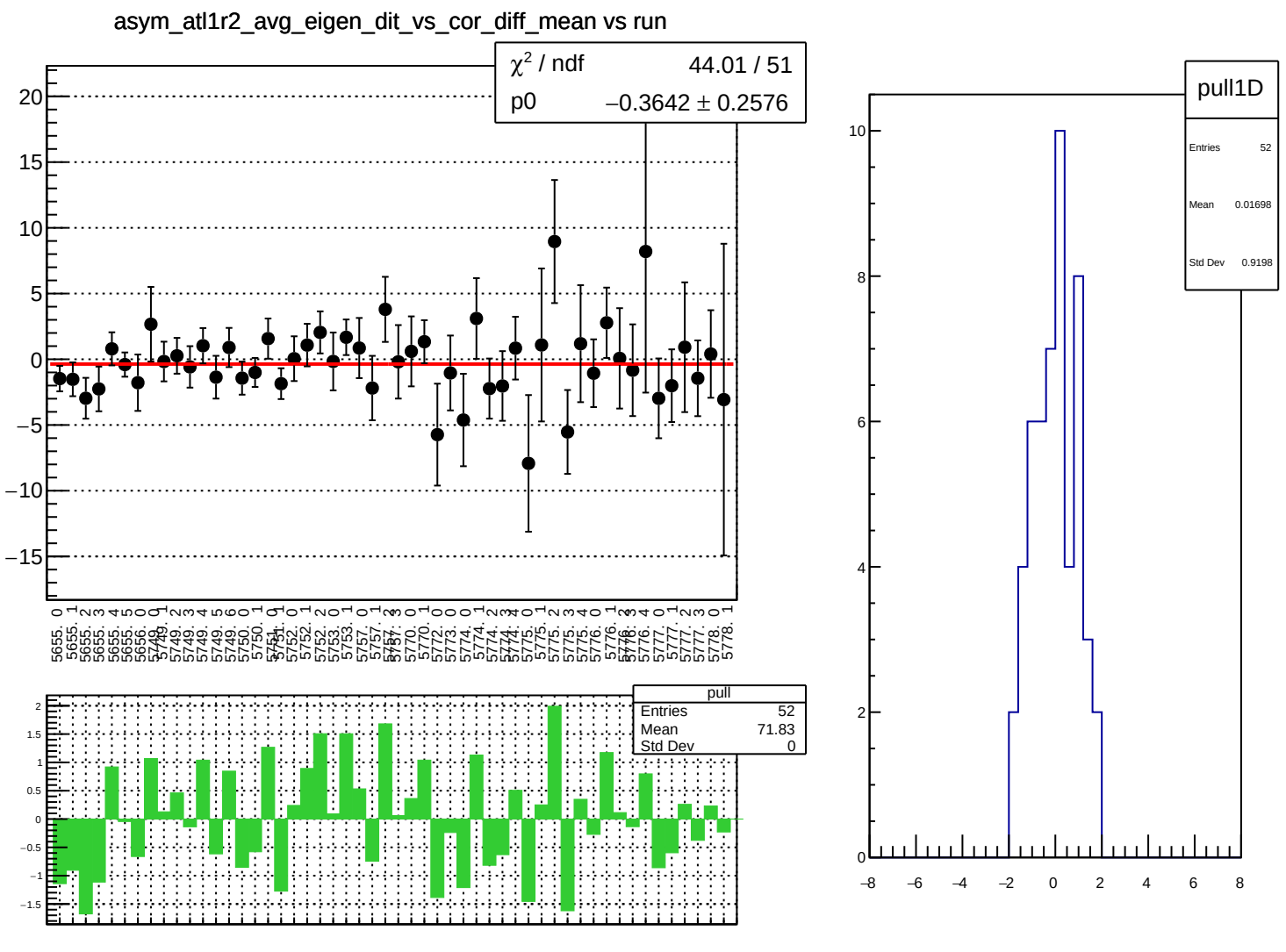
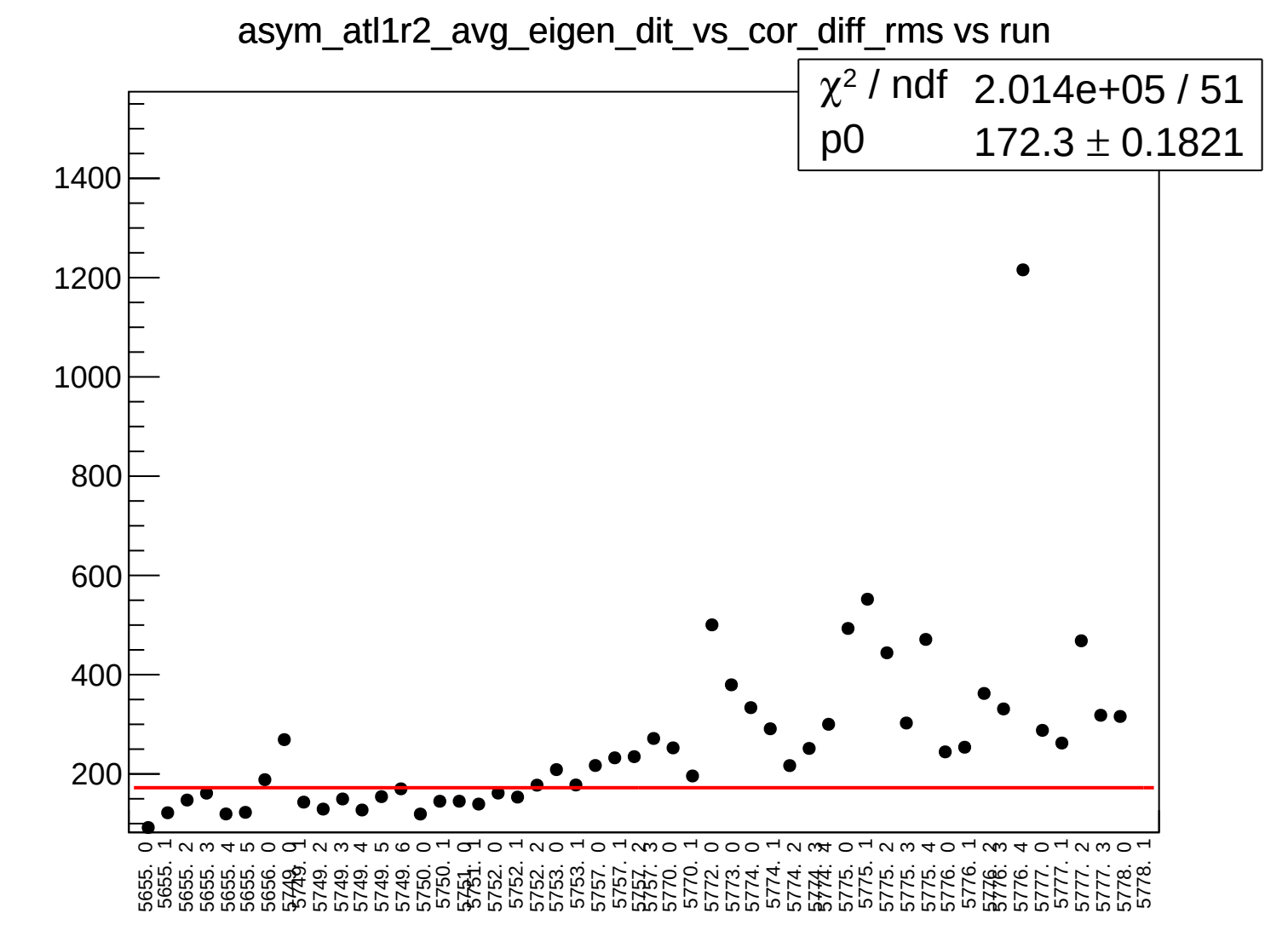
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 44.01 / 51
p0 −0.3642 ± 0.2576
pull
Entries 52
Mean 71.83
Std Dev 0
pull1D
Entries 52
Mean 0.01698
Std Dev 0.9198


asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.014e+05 / 51
p0 172.3 ± 0.1821
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5770. 1
5772. 0
5773. 0
5774. 0
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5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
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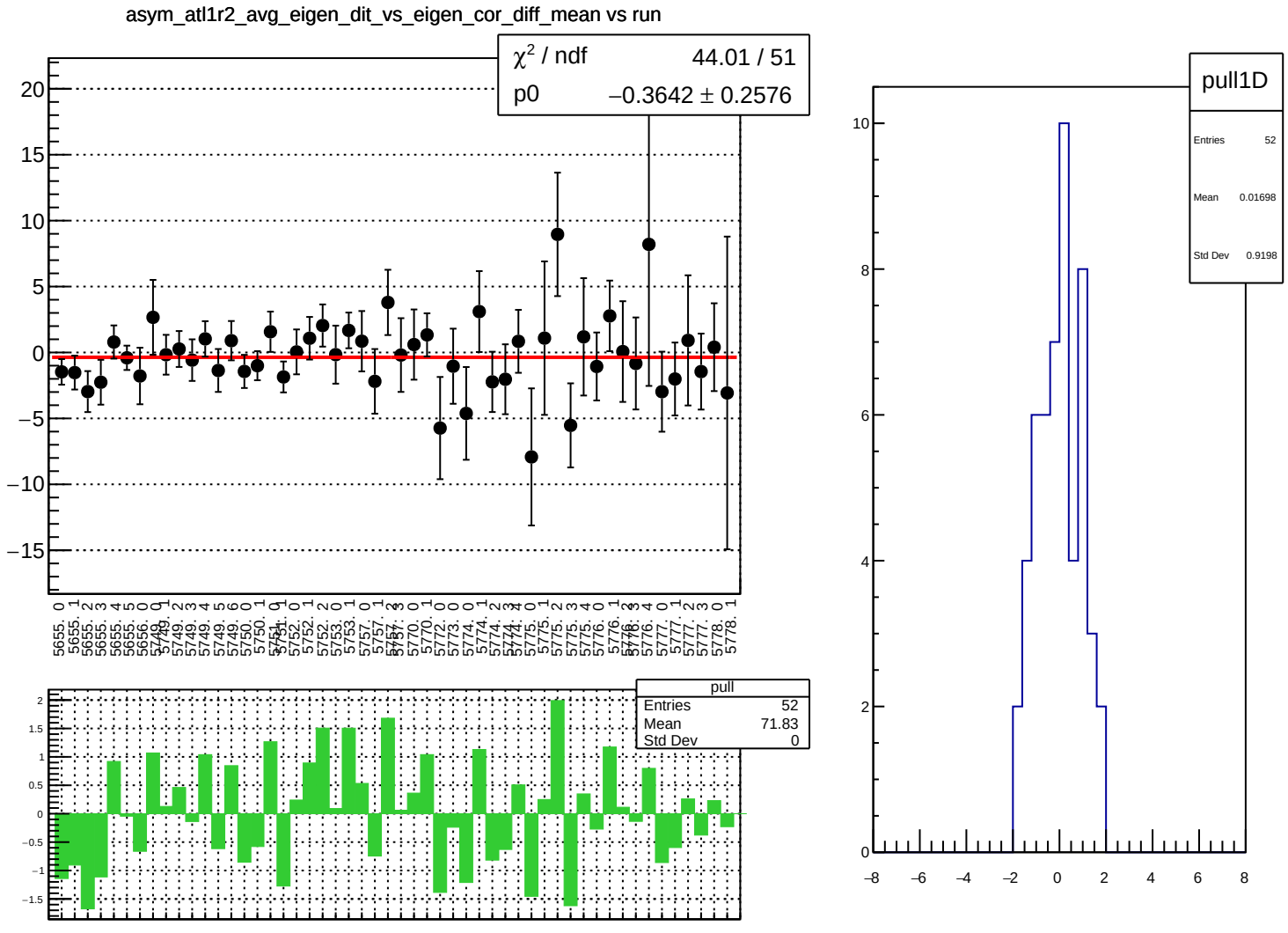
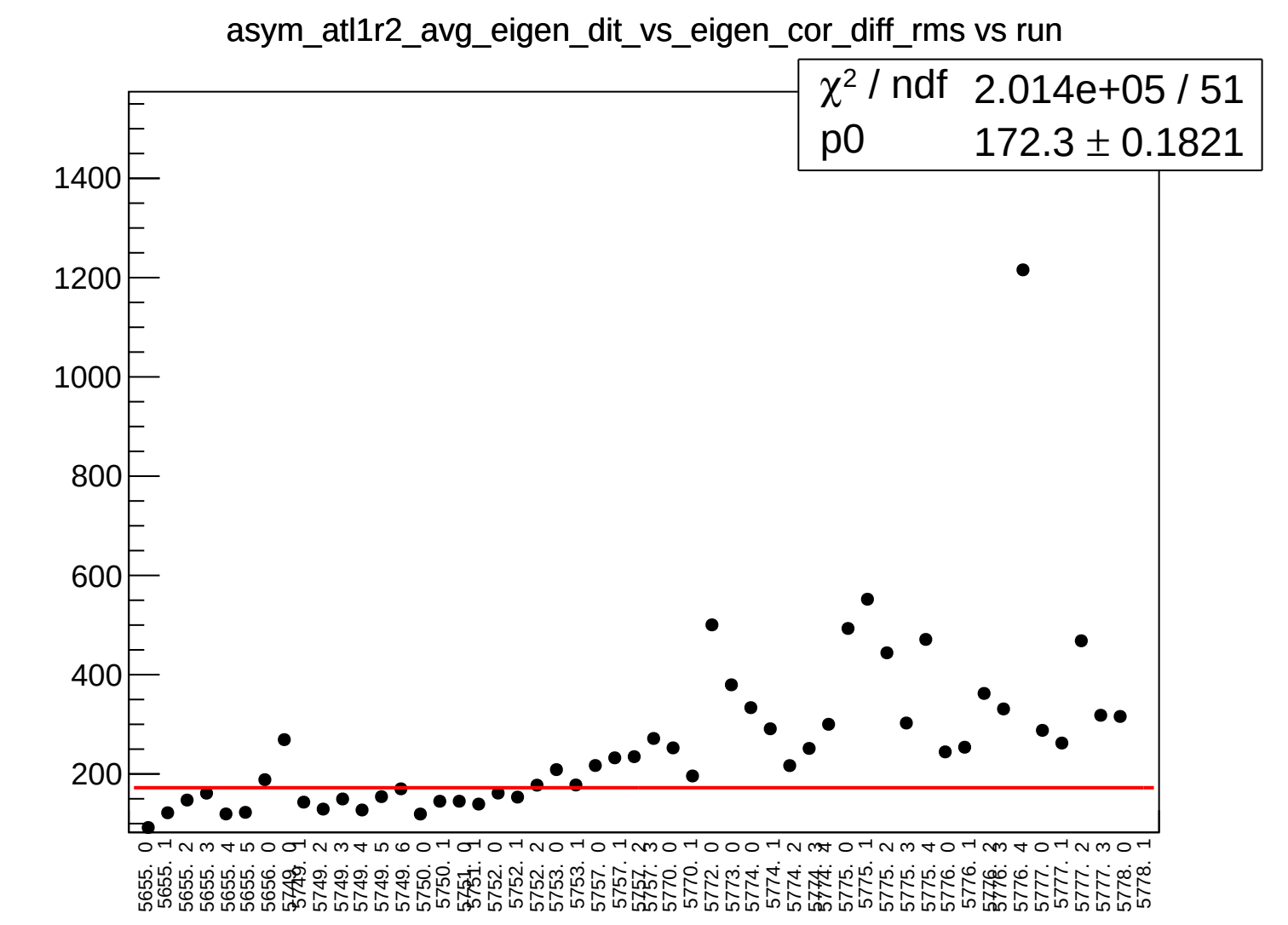
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.01 / 51
p0 −0.3642 ± 0.2576
pull
Entries 52
Mean 71.83
Std Dev 0
pull1D
Entries 52
Mean 0.01698
Std Dev 0.9198


asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.014e+05 / 51
p0 172.3 ± 0.1821
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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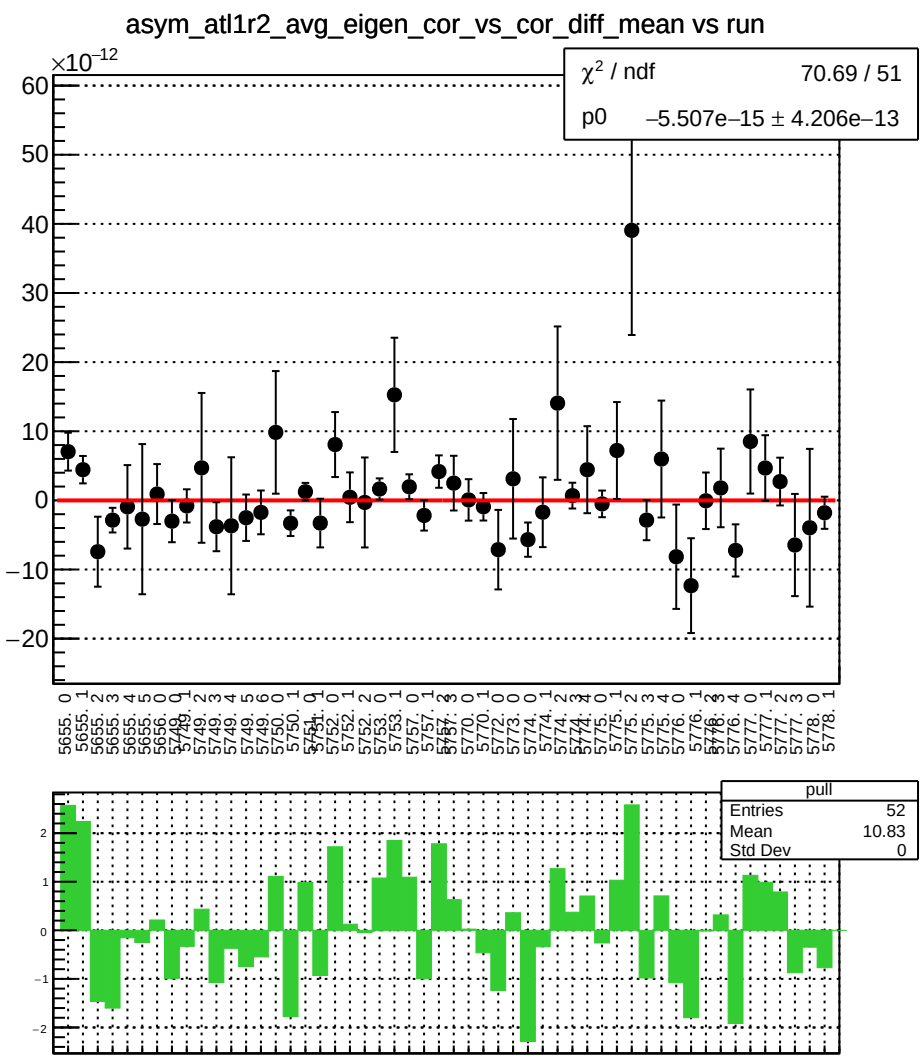
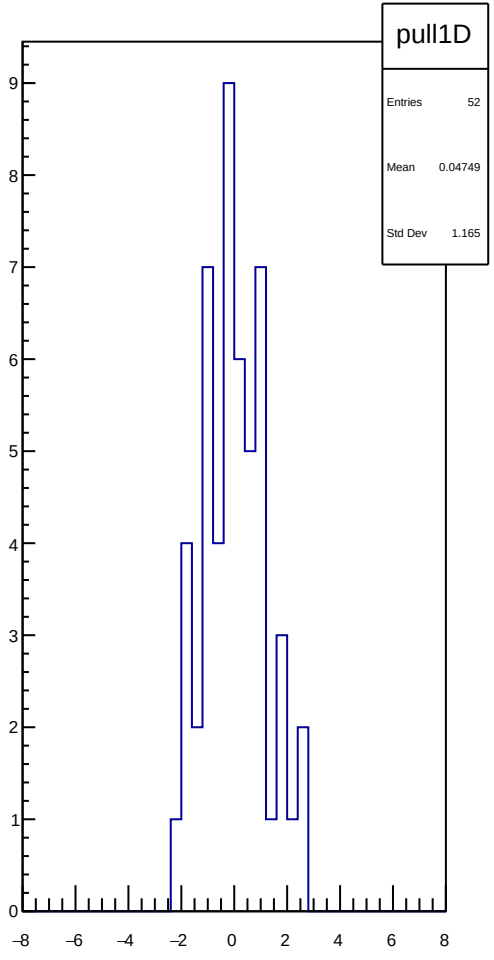
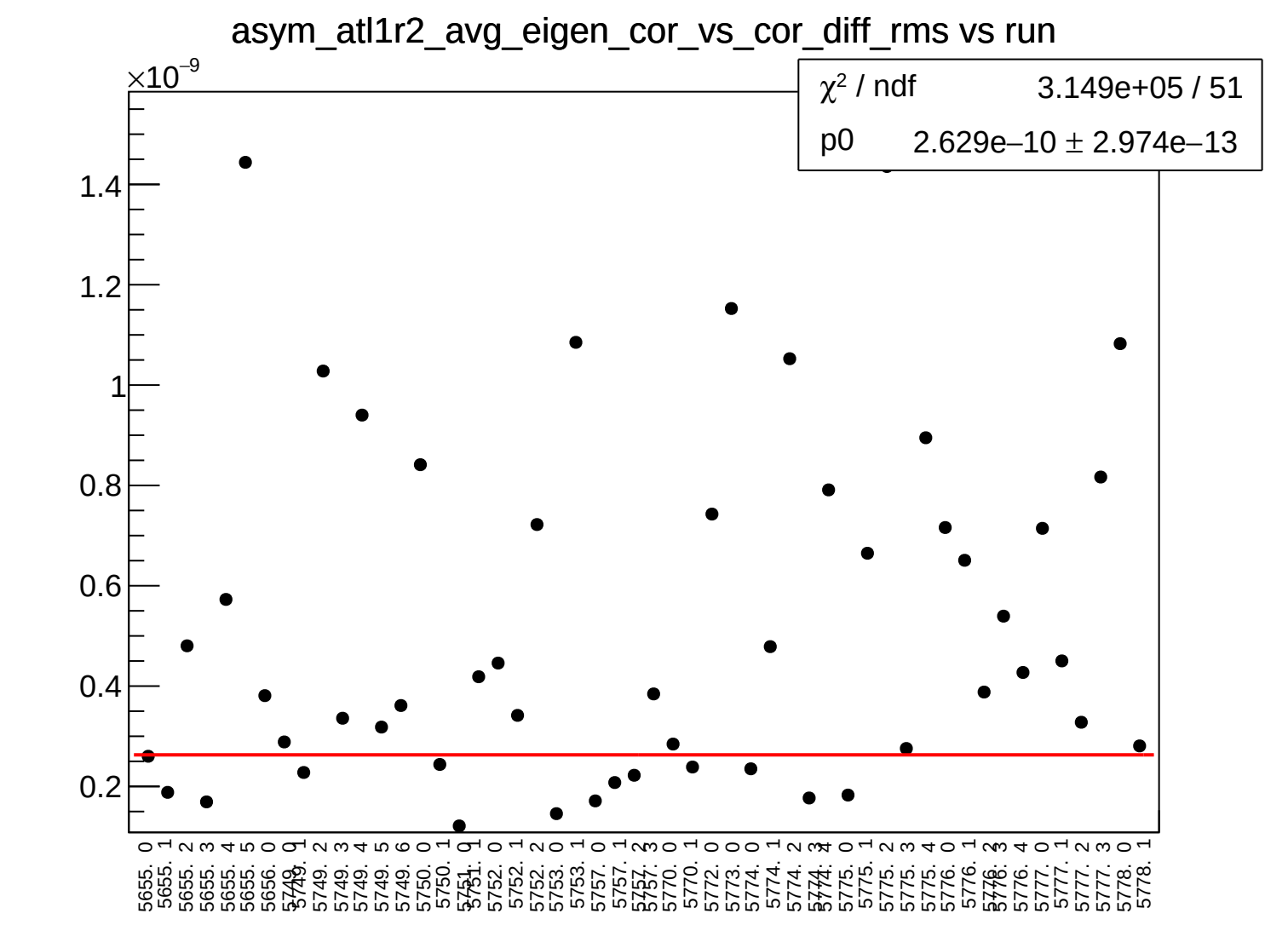
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 70.69 / 51
p0 −5.507e−15 ± 4.206e−13
pull
Entries 52
Mean 10.83
Std Dev 0


pull1D
Entries 52
Mean 0.04749
Std Dev 1.165


asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.149e+05 / 51
p0 2.629e−10 ± 2.974e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
5777. 0
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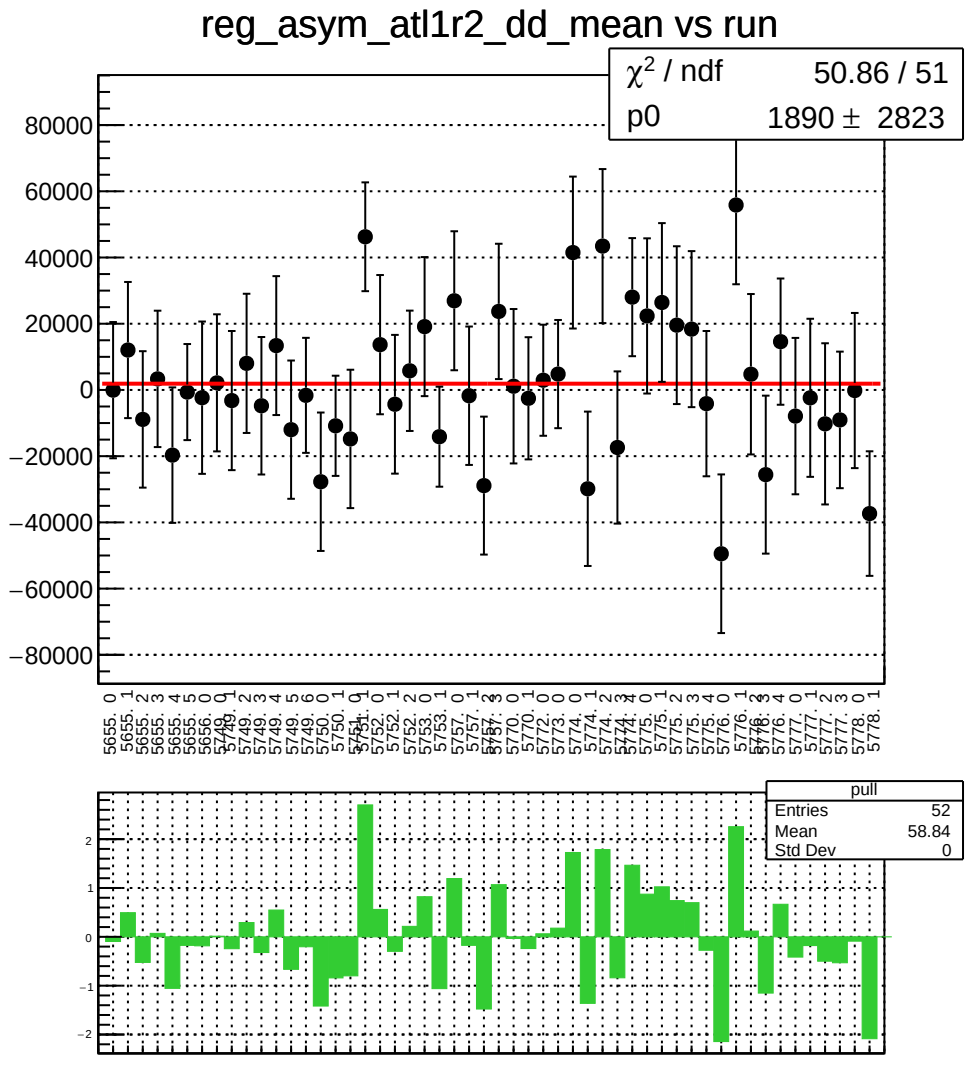
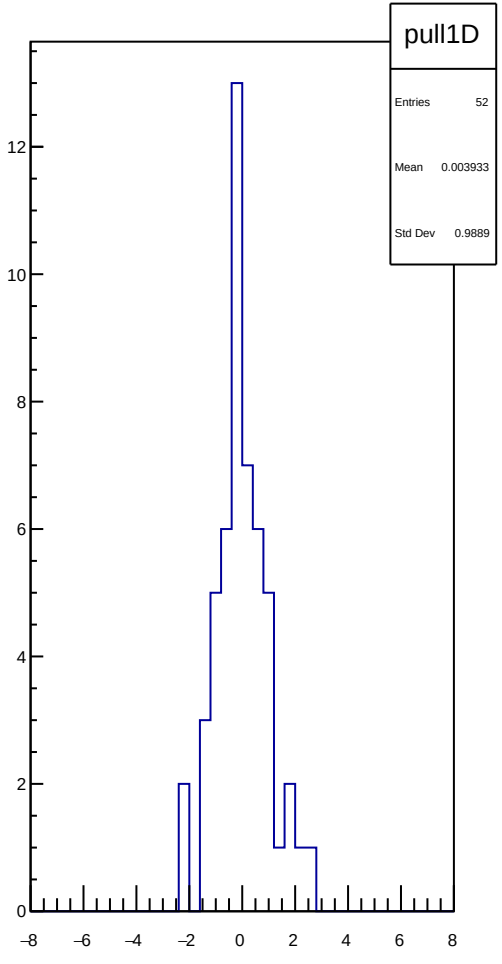
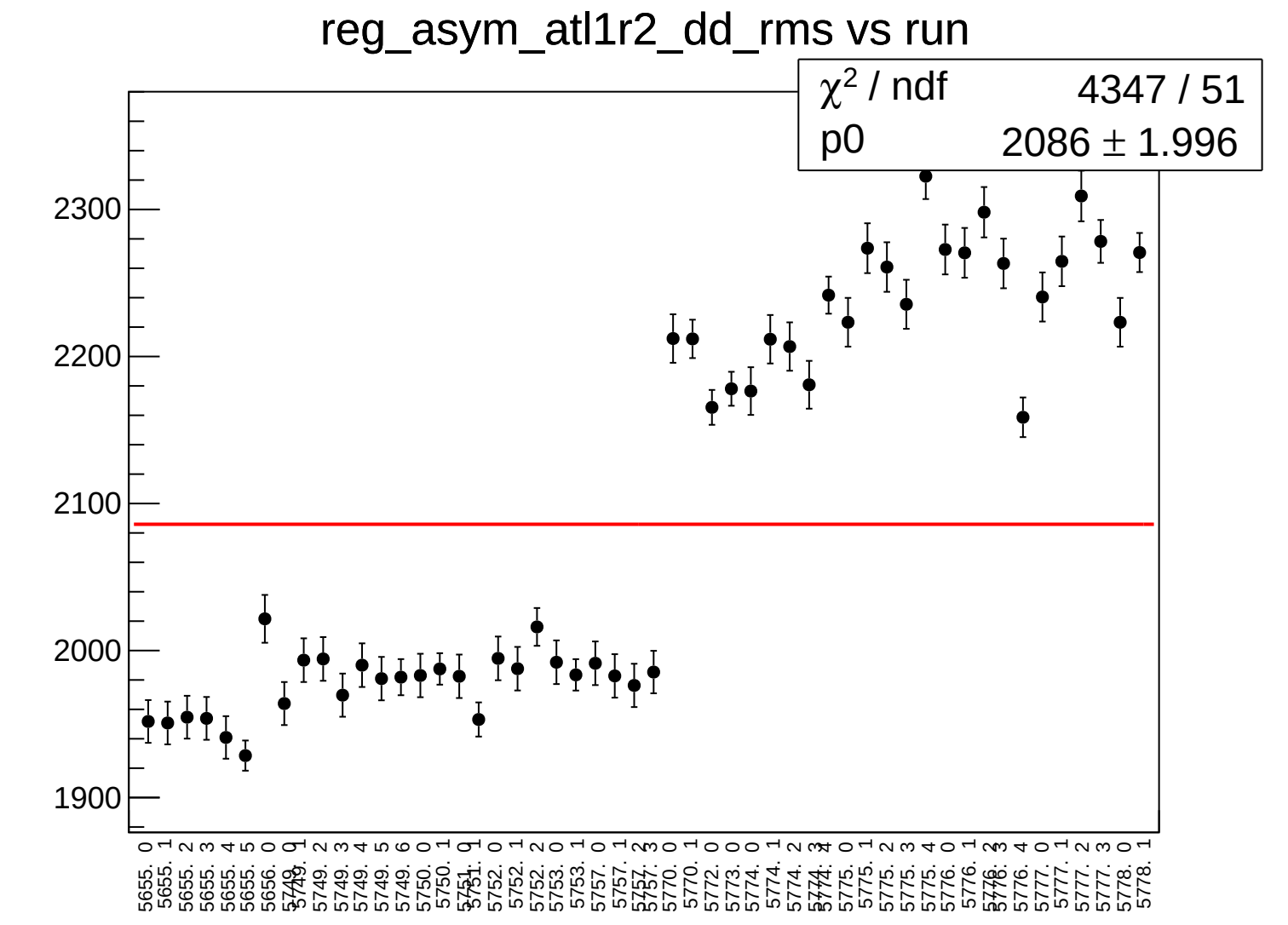
5777. 2
5777. 3
5778. 0
5778. 1


reg_asym_atl1r2_dd_mean vs run
χ² / ndf 50.86 / 51
p0 1890 ± 2823
pull
Entries 52
Mean 58.84
Std Dev 0


pull1D
Entries 52
Mean 0.003933
Std Dev 0.9889


reg_asym_atl1r2_dd_rms vs run
χ² / ndf 4347 / 51
p0 2086 ± 1.996
2300
2200
2100
2000
1900
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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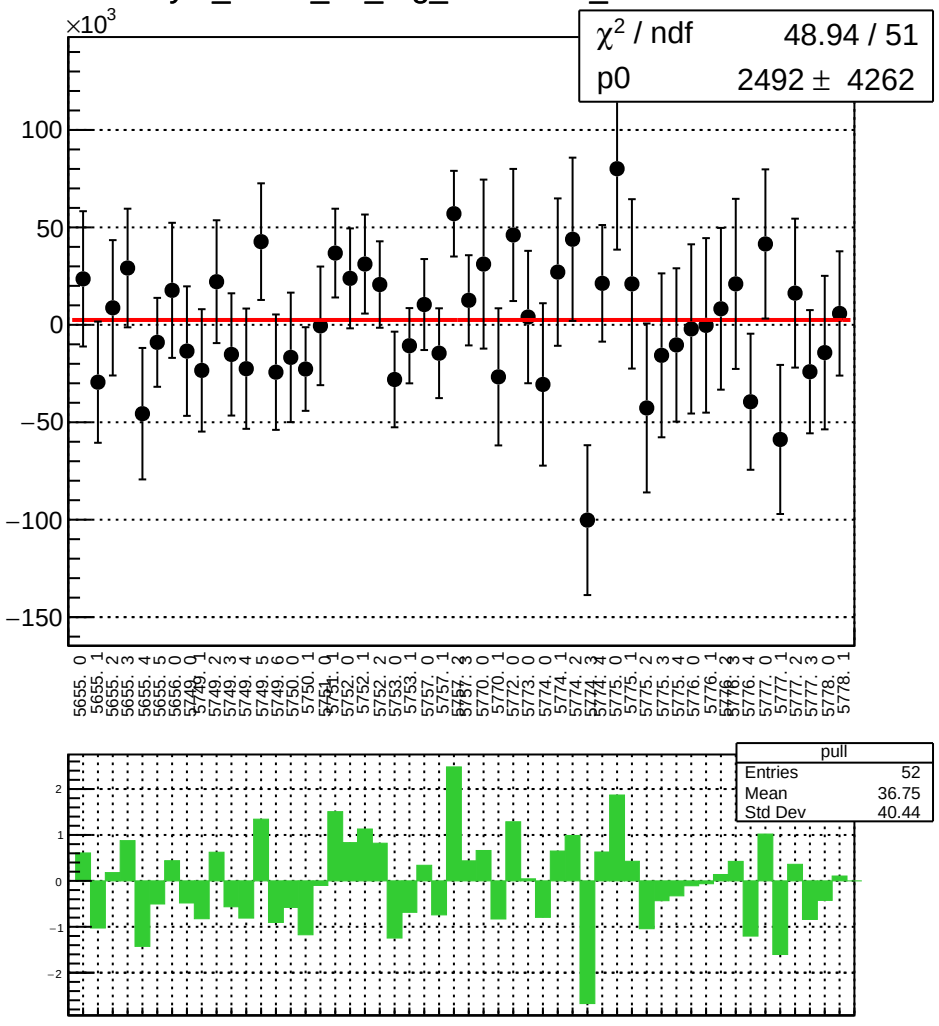
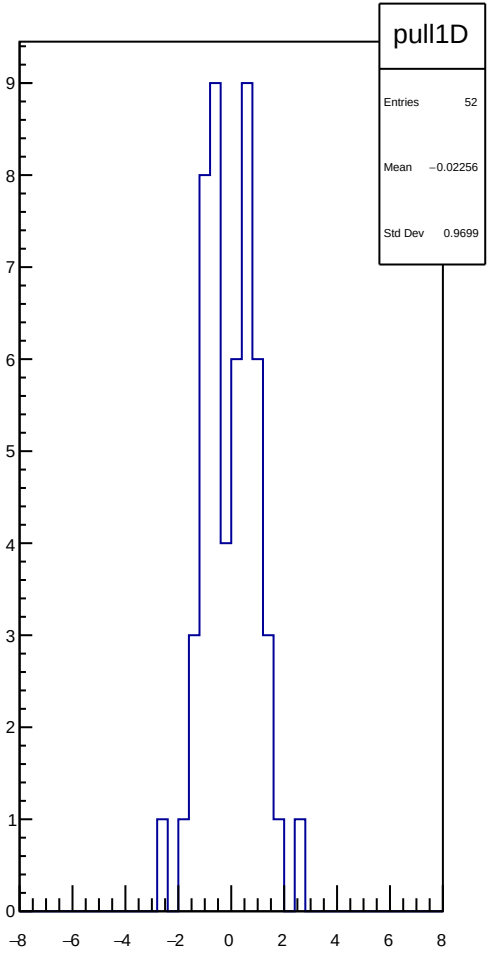
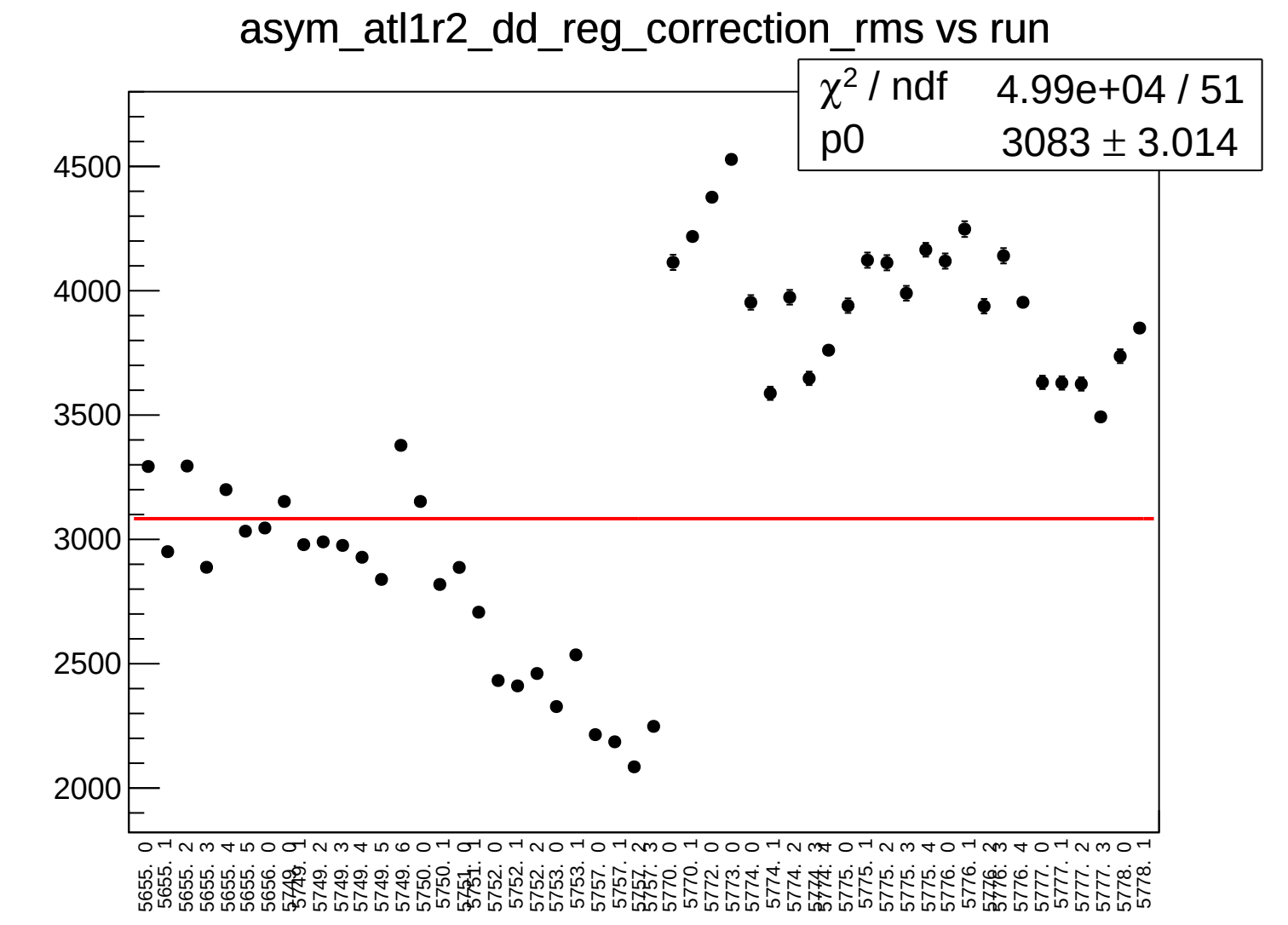
5778. 1


asym_atl1r2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 48.94 / 51
p0 2492 ± 4262
100
50
0
−50
−100
−150
pull
Entries 52
Mean 36.75
Std Dev 40.44
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.02256
Std Dev 0.9699
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_reg_correction_rms vs run
χ² / ndf 4.99e+04 / 51
p0 3083 ± 3.014
4500
4000
3500
3000
2500
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
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5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
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5776. 1
5776. 4
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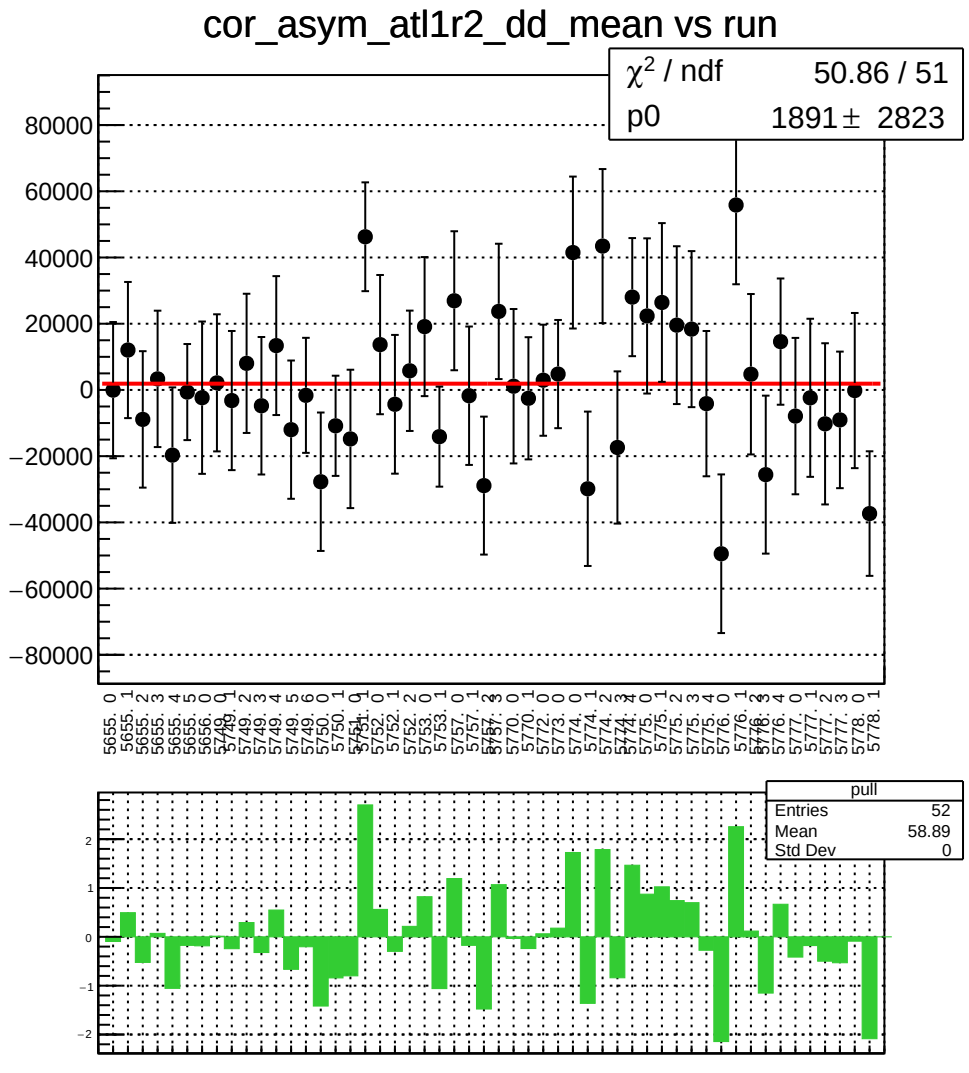
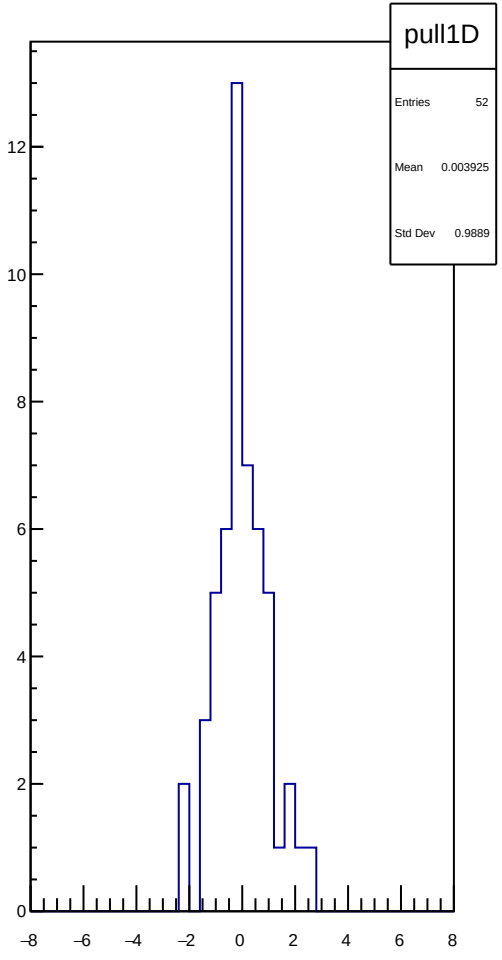
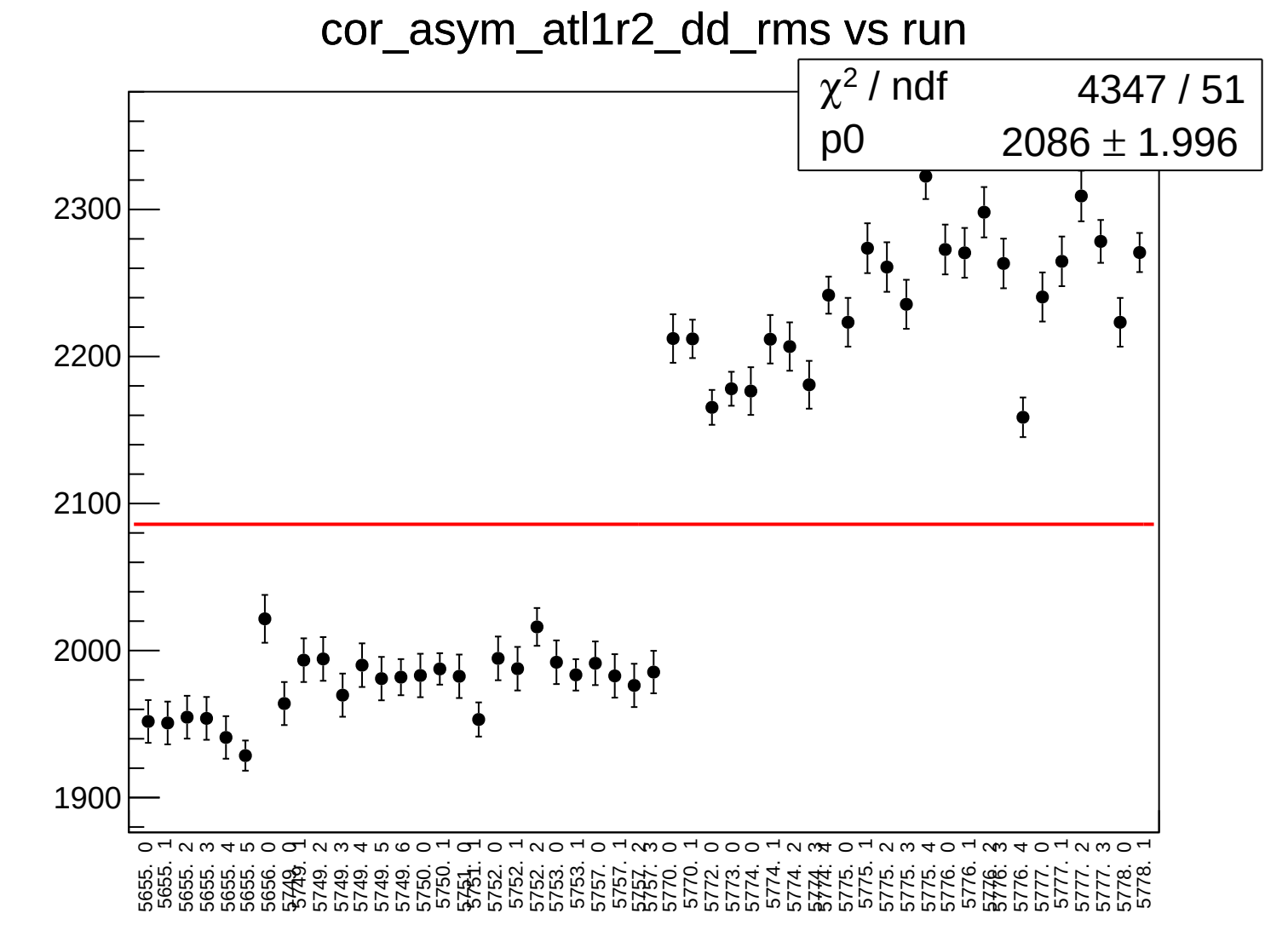
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_atl1r2_dd_mean vs run
χ² / ndf 50.86 / 51
p0 1891 ± 2823
pull
Entries 52
Mean 58.89
Std Dev 0


pull1D
Entries 52
Mean 0.003925
Std Dev 0.9889


cor_asym_atl1r2_dd_rms vs run
χ² / ndf 4347 / 51
p0 2086 ± 1.996
2300
2200
2100
2000
1900
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
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5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
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5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
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5774. 1
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5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 2
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5777. 1
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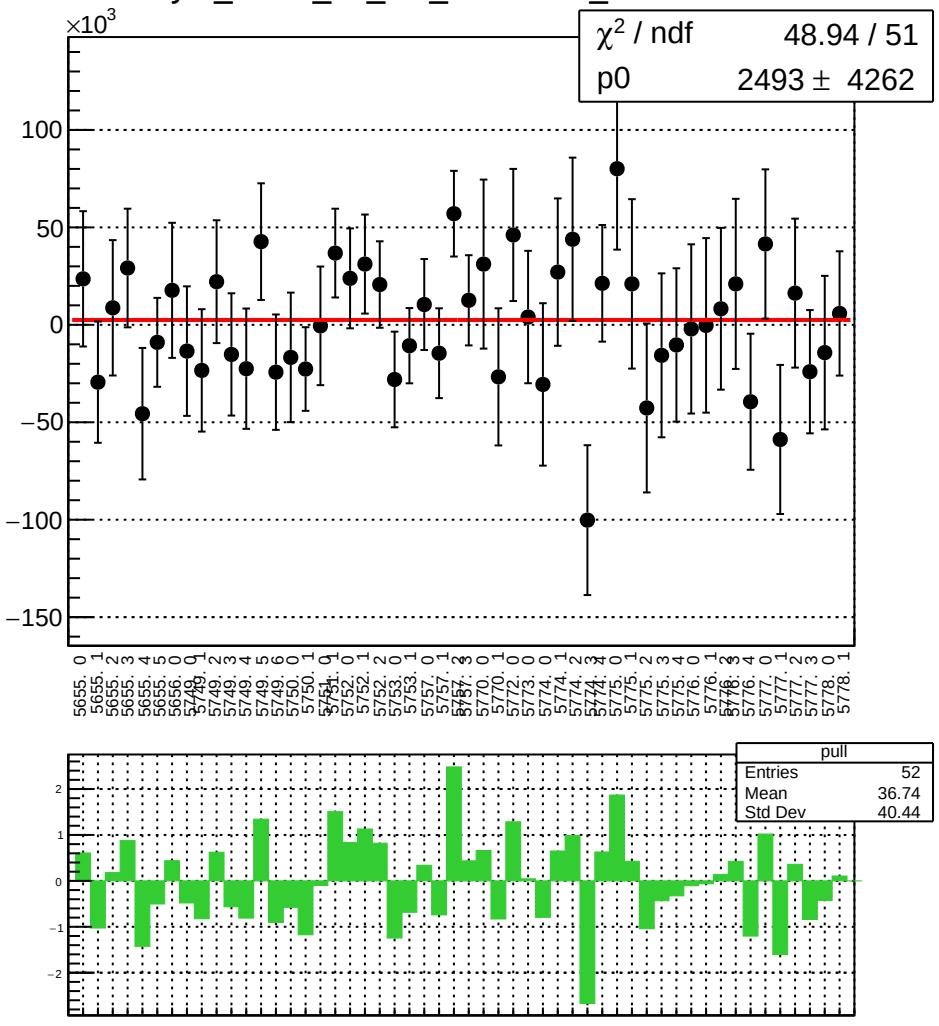
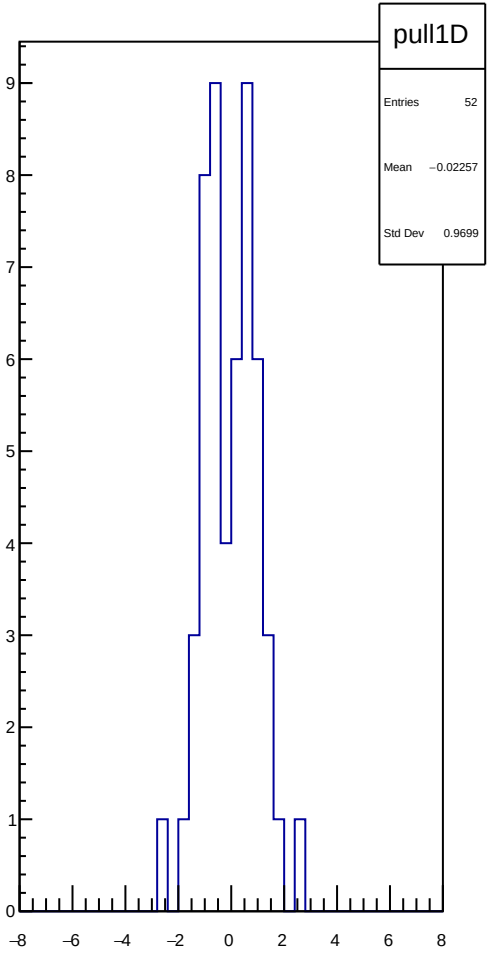
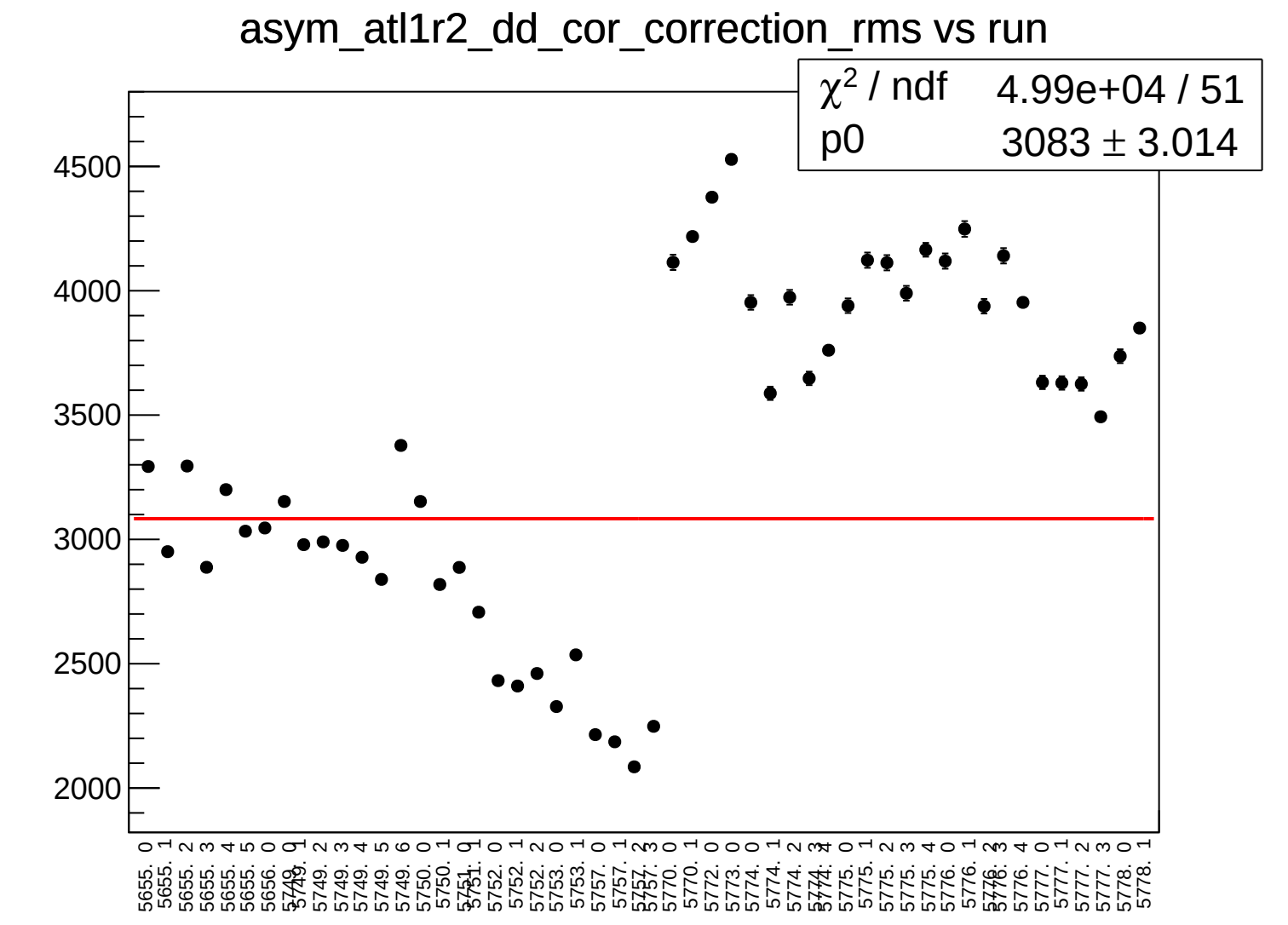
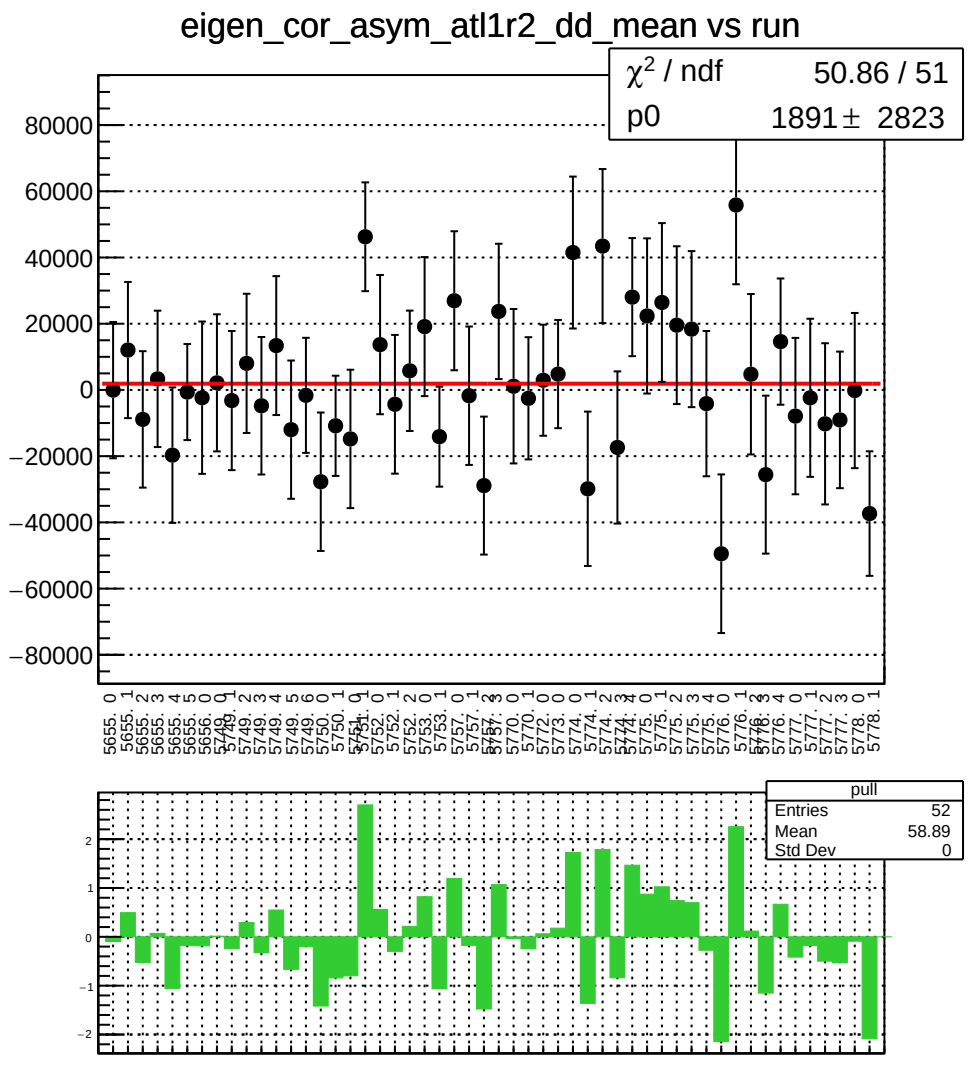
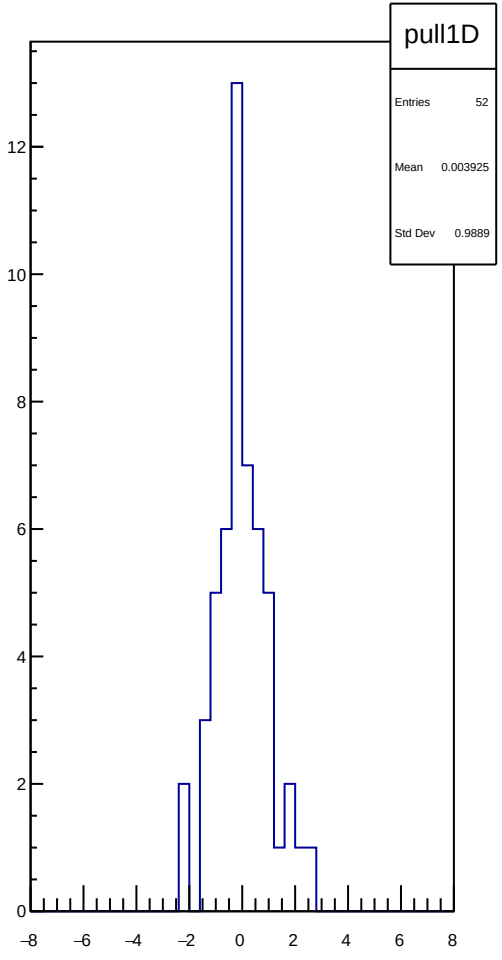
5778. 0
5778. 1

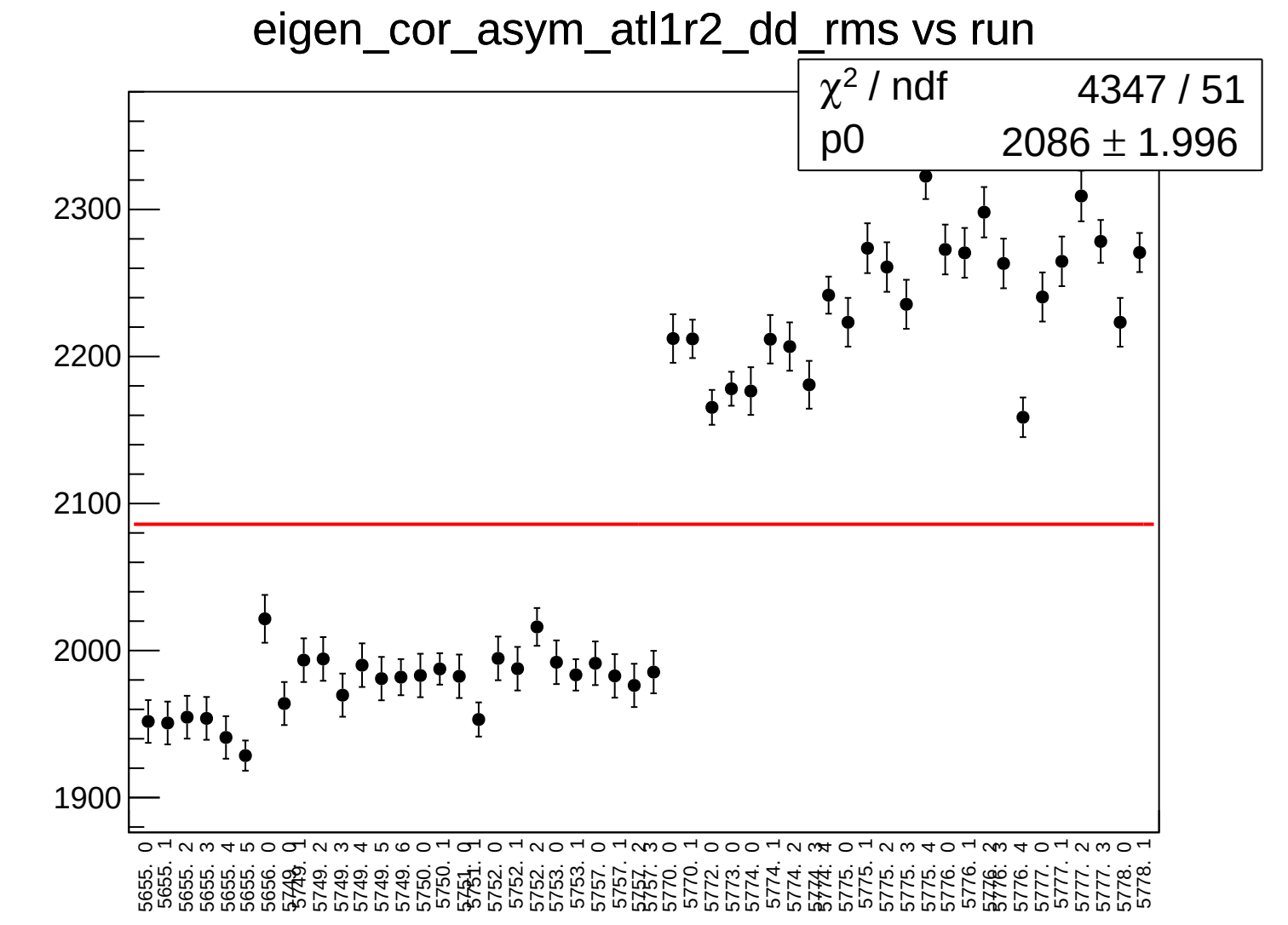

asym_atl1r2_dd_cor_correction_mean vs run
×10^3
χ^2 / ndf 48.94 / 51
p0 2493 ± 4262
100
50
0
−50
−100
−150
pull
Entries 52
Mean 36.74
Std Dev 40.44
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.02257
Std Dev 0.9699
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_cor_correction_rms vs run
χ² / ndf 4.99e+04 / 51
p0 3083 ± 3.014
4500
4000
3500
3000
2500
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_atl1r2_dd_mean vs run
χ² / ndf 50.86 / 51
p0 1891 ± 2823
pull
Entries 52
Mean 58.89
Std Dev 0


pull1D
Entries 52
Mean 0.003925
Std Dev 0.9889


eigen_cor_asym_atl1r2_dd_rms vs run
χ² / ndf 4347 / 51
p0 2086 ± 1.996
2300
2200
2100
2000
1900
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
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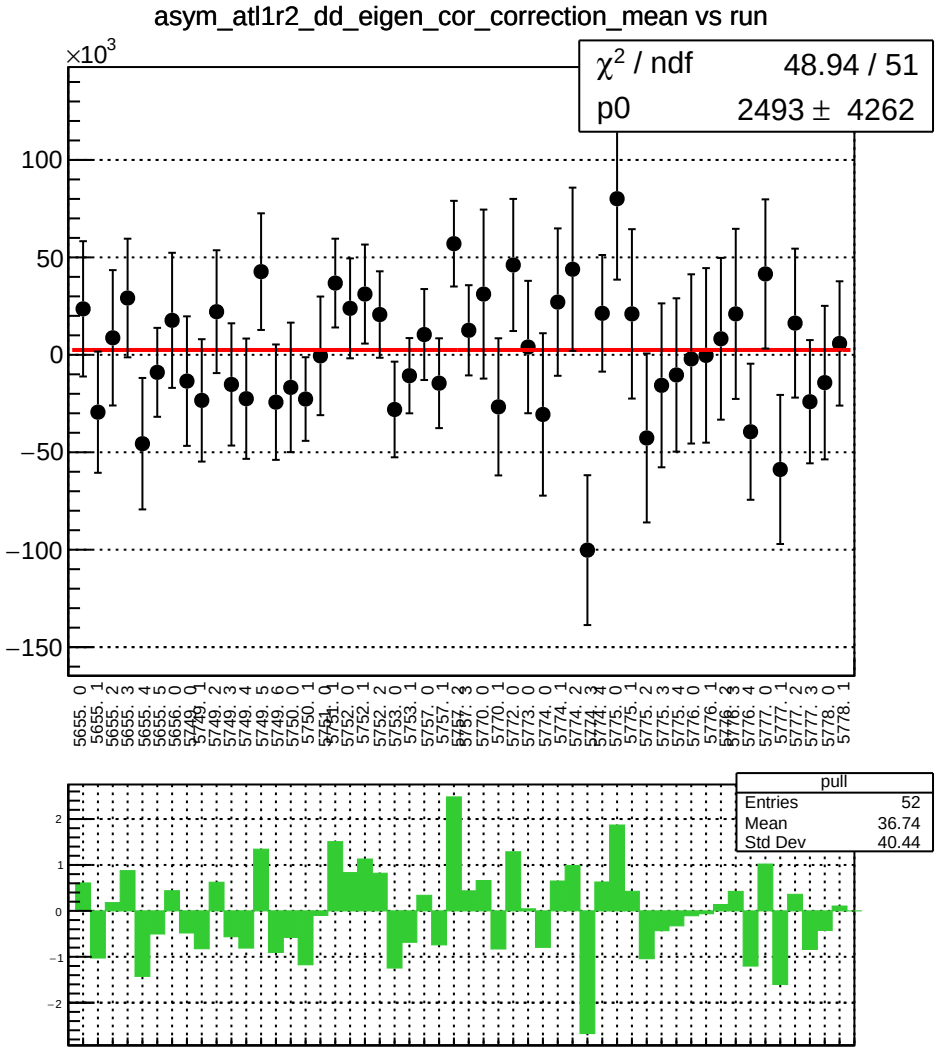
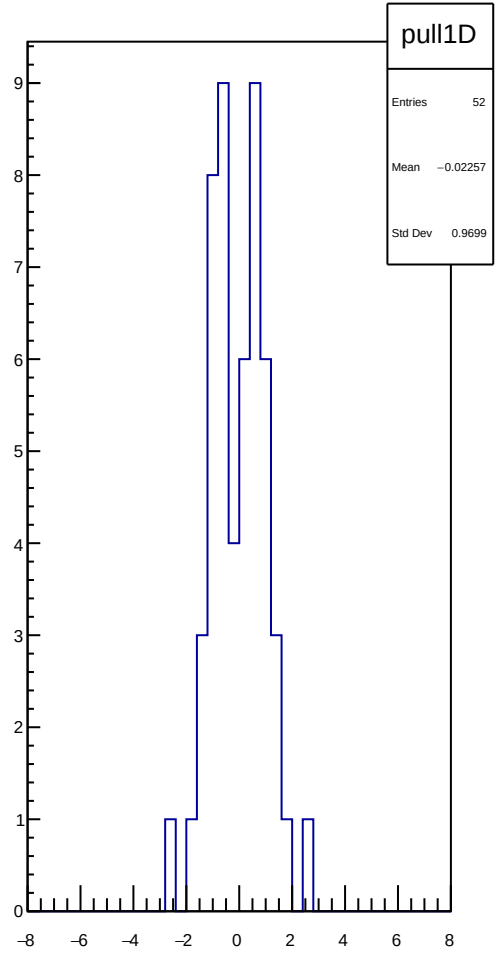
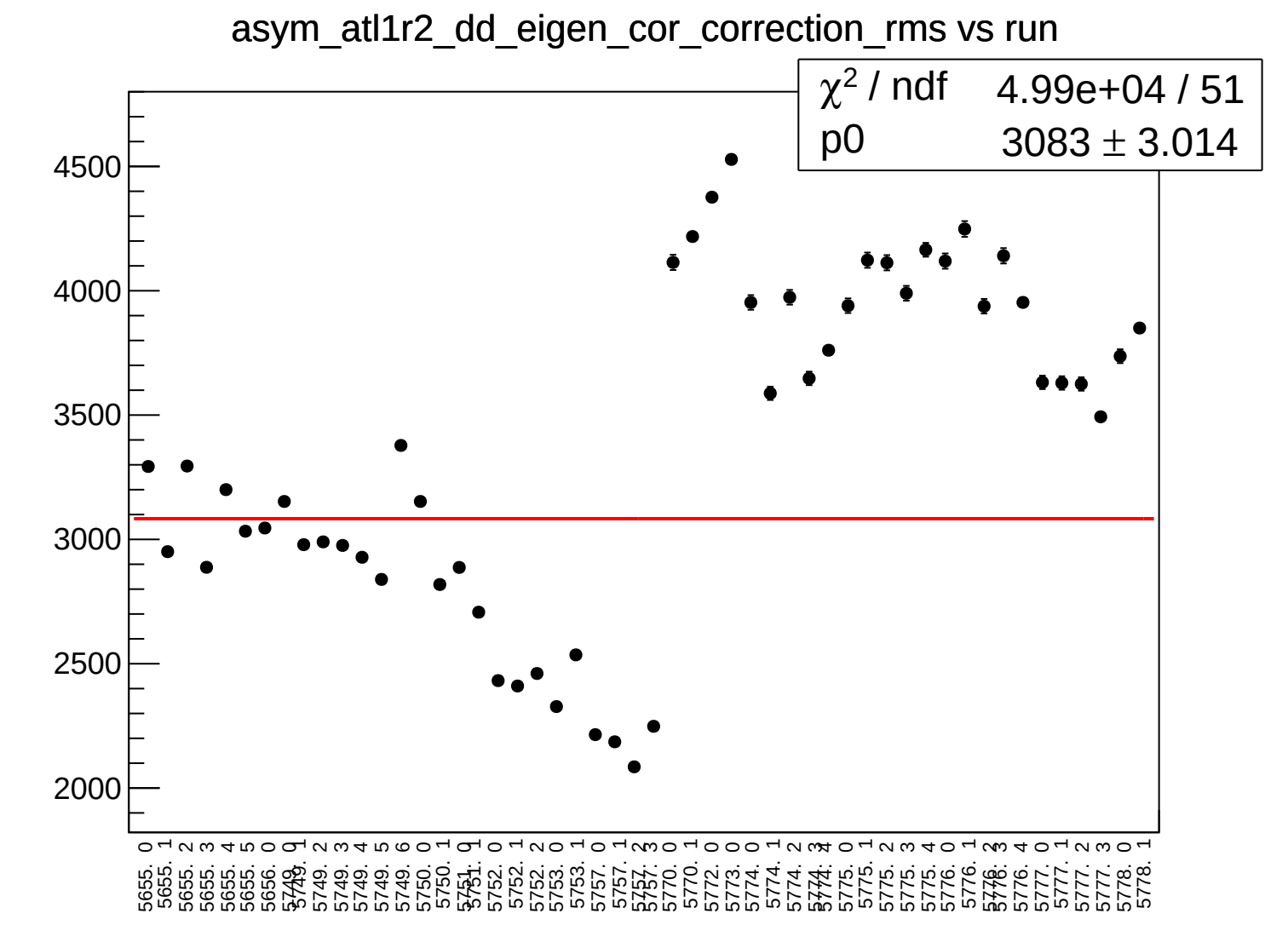
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl1r2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 48.94 / 51
p0 2493 ± 4262
100
50
0
−50
−100
−150
pull
Entries 52
Mean 36.74
Std Dev 40.44
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.02257
Std Dev 0.9699
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_eigen_cor_correction_rms vs run
χ² / ndf 4.99e+04 / 51
p0 3083 ± 3.014
4500
4000
3500
3000
2500
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5770. 1
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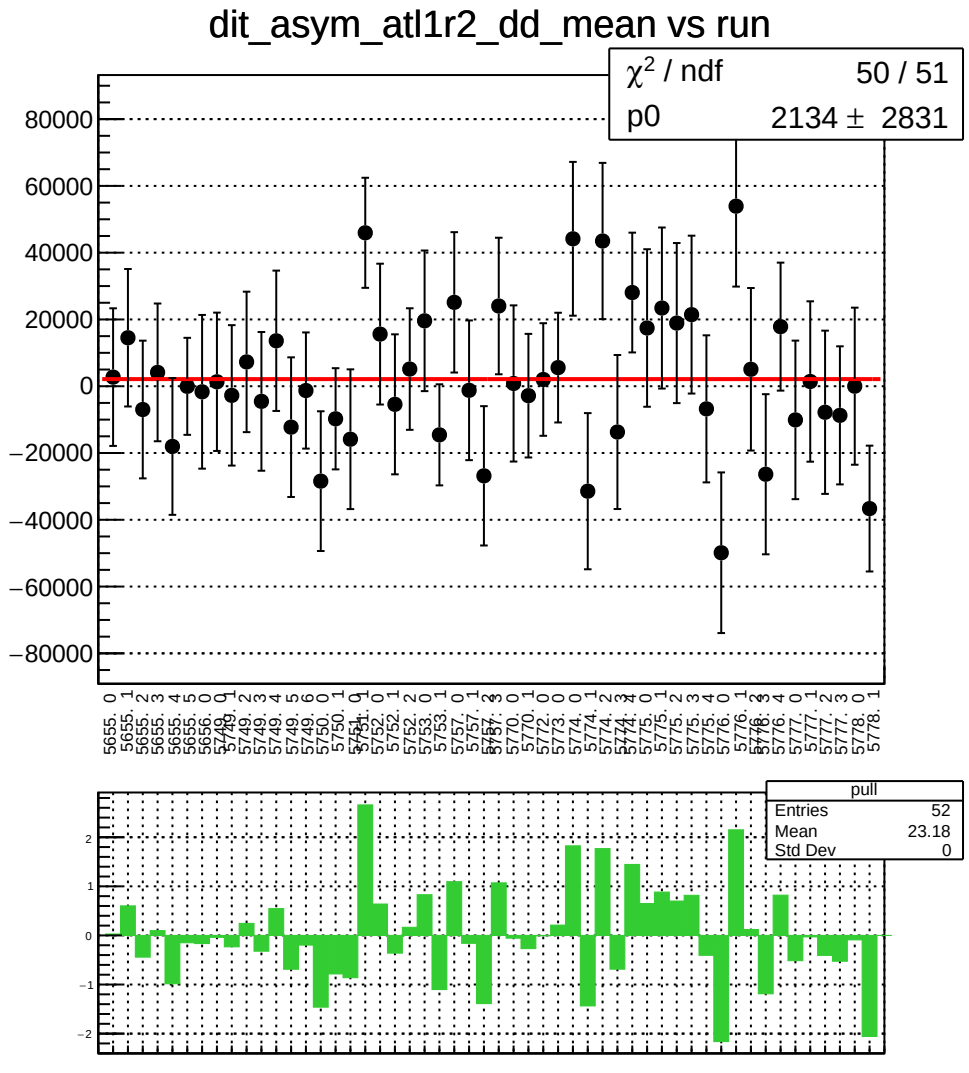
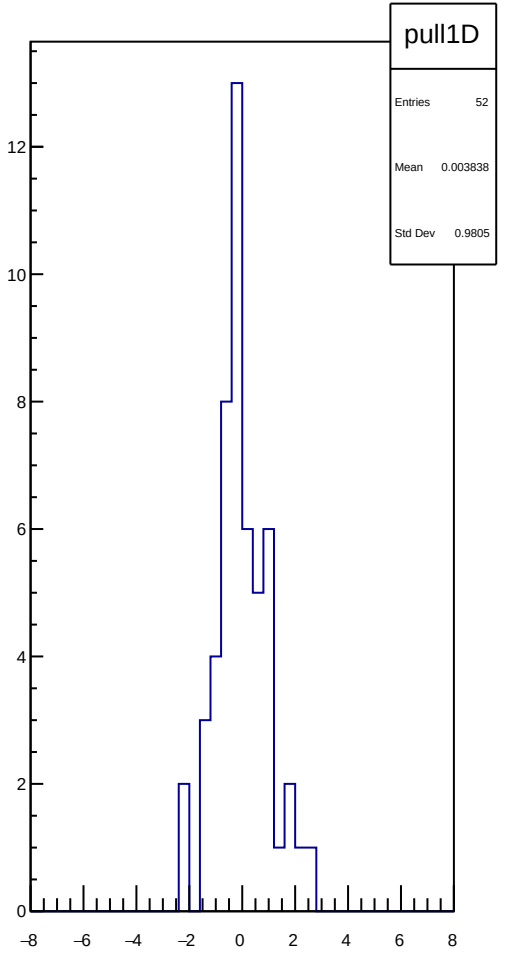
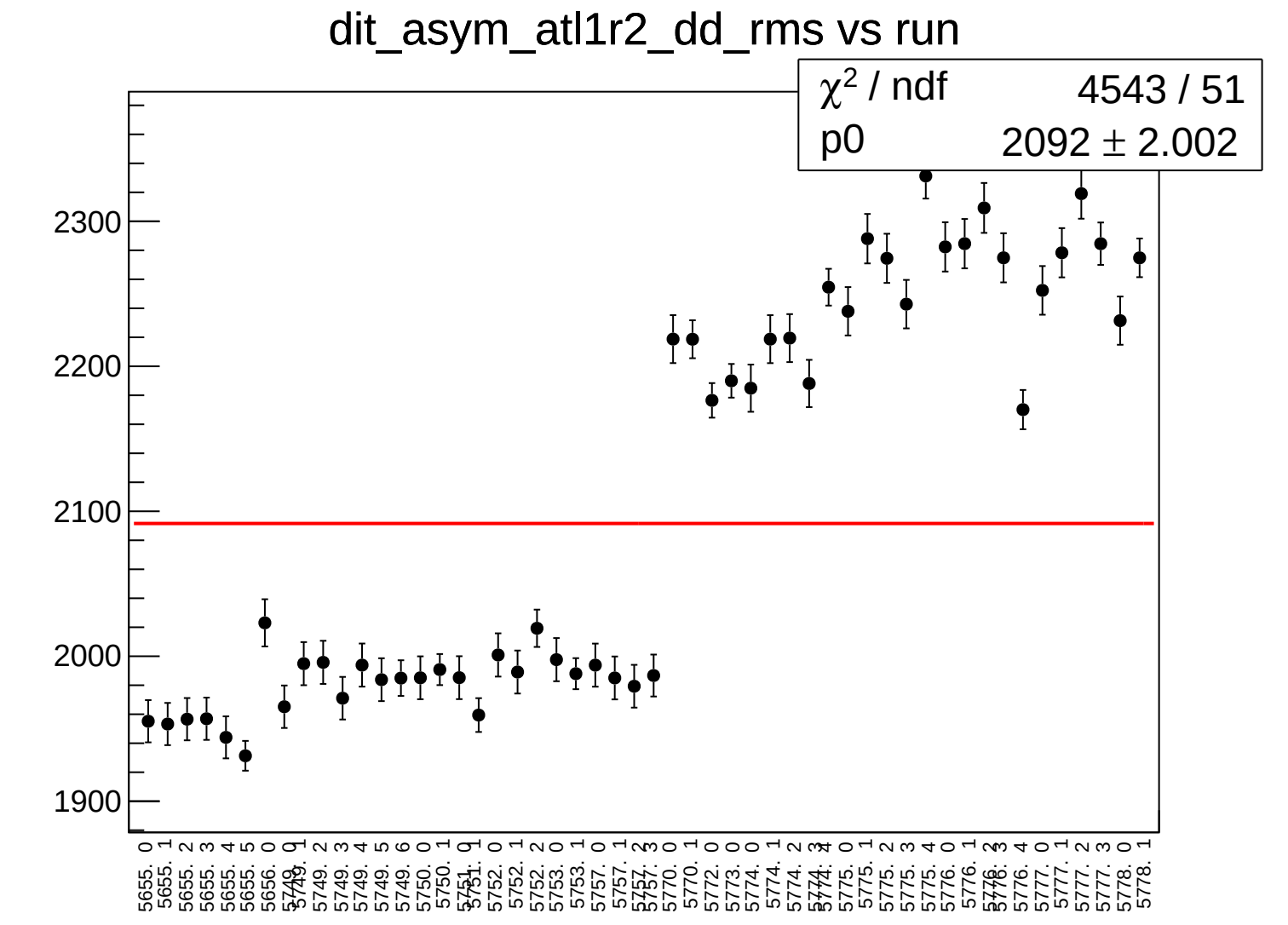
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


dit_asym_atl1r2_dd_mean vs run
χ² / ndf 50 / 51
p0 2134 ± 2831
pull
Entries 52
Mean 23.18
Std Dev 0


pull1D
Entries 52
Mean 0.003838
Std Dev 0.9805


dit_asym_atl1r2_dd_rms vs run
χ² / ndf 4543 / 51
p0 2092 ± 2.002
2300
2200
2100
2000
1900
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
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5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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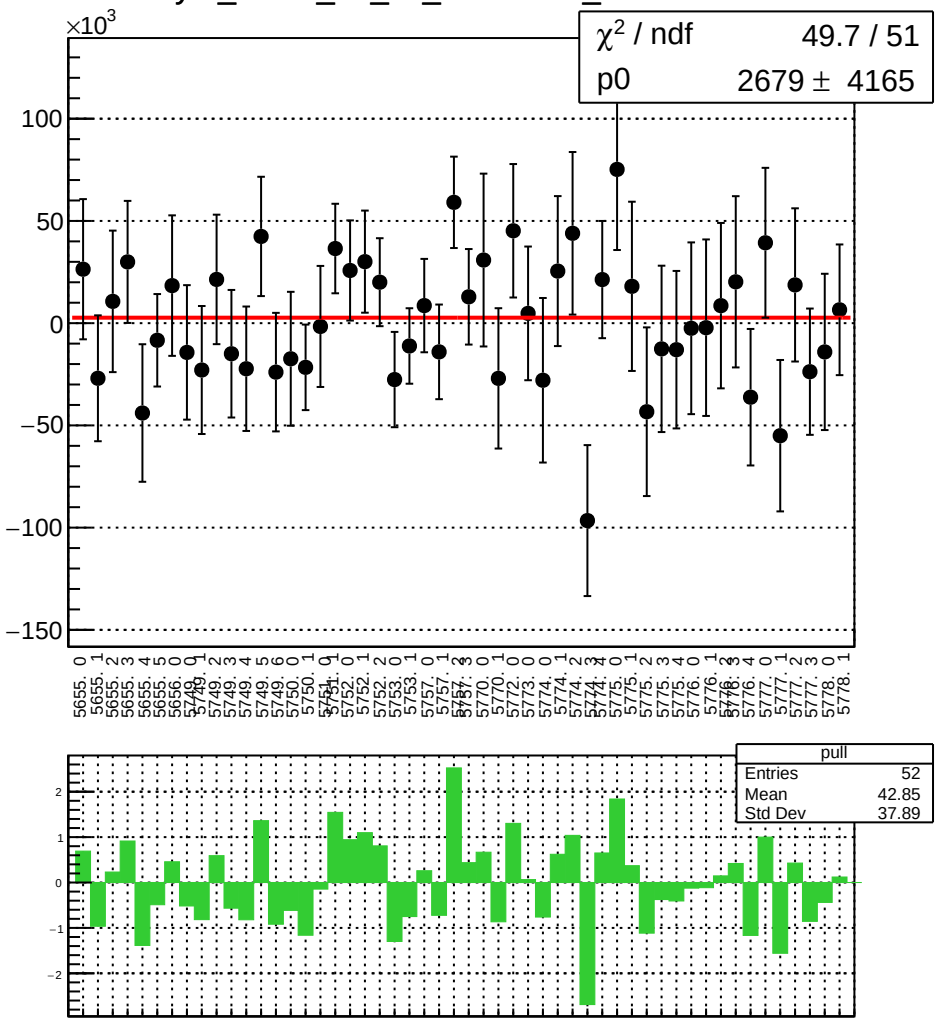
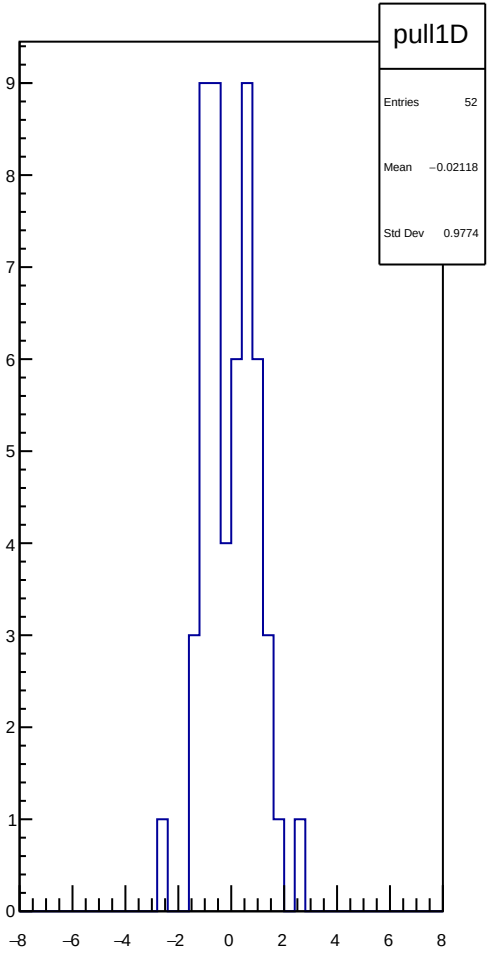
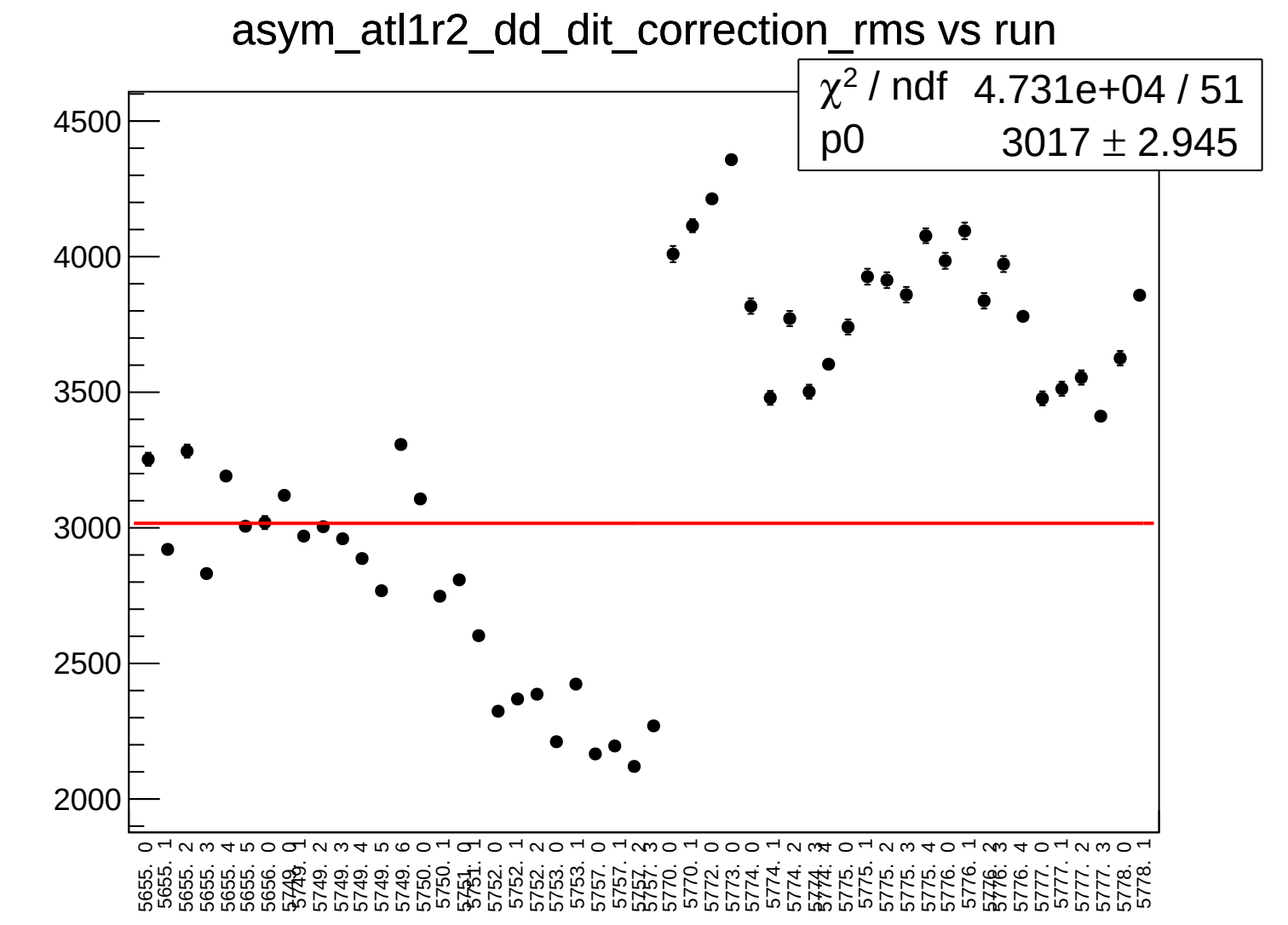
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl1r2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 49.7 / 51
p0 2679 ± 4165
100
50
0
−50
−100
−150
pull
Entries 52
Mean 42.85
Std Dev 37.89
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.02118
Std Dev 0.9774
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_dit_correction_rms vs run
χ² / ndf 4.731e+04 / 51
p0 3017 ± 2.945
4500
4000
3500
3000
2500
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
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5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
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5753. 1
5757. 0
5757. 1
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5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
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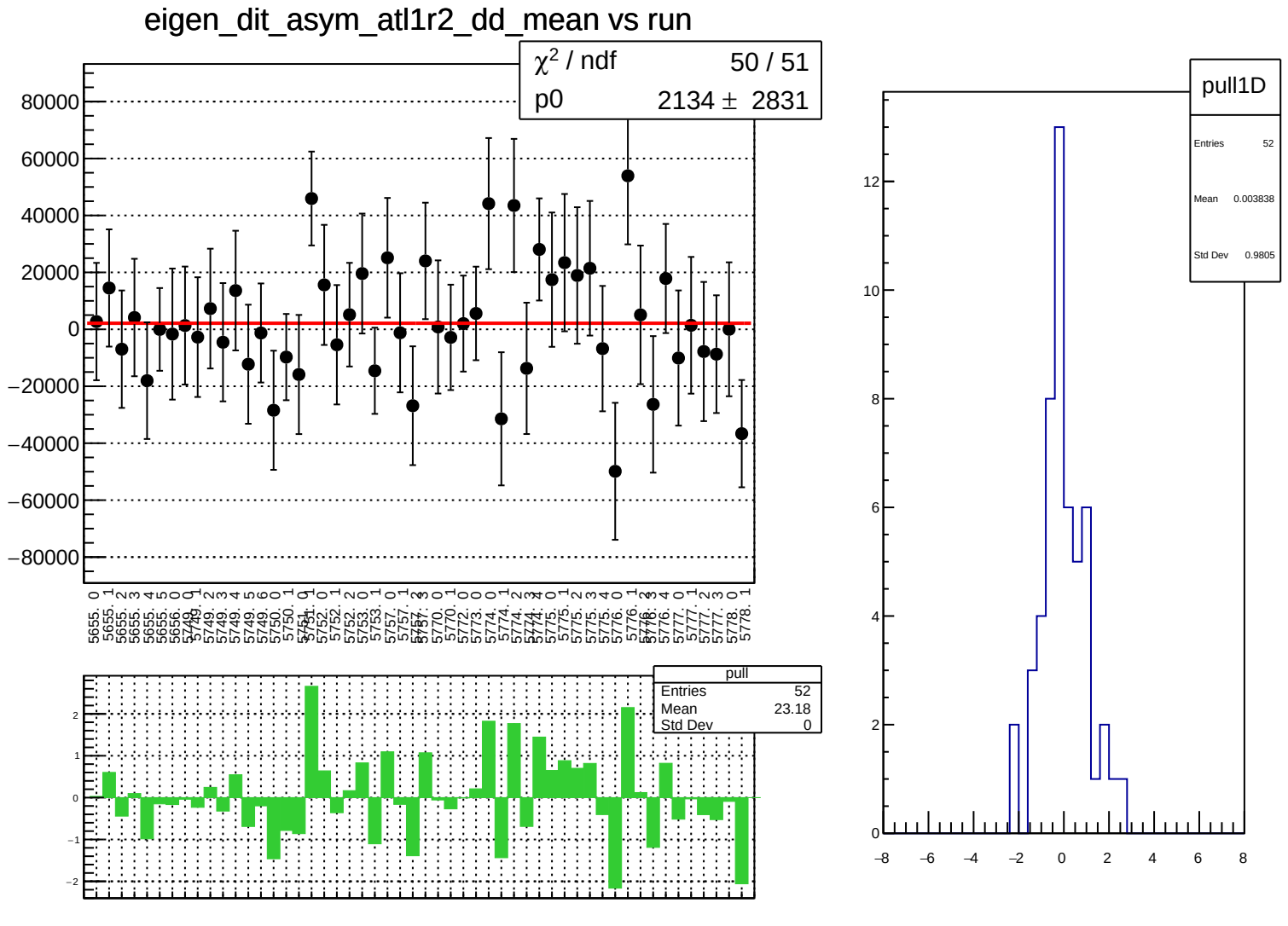
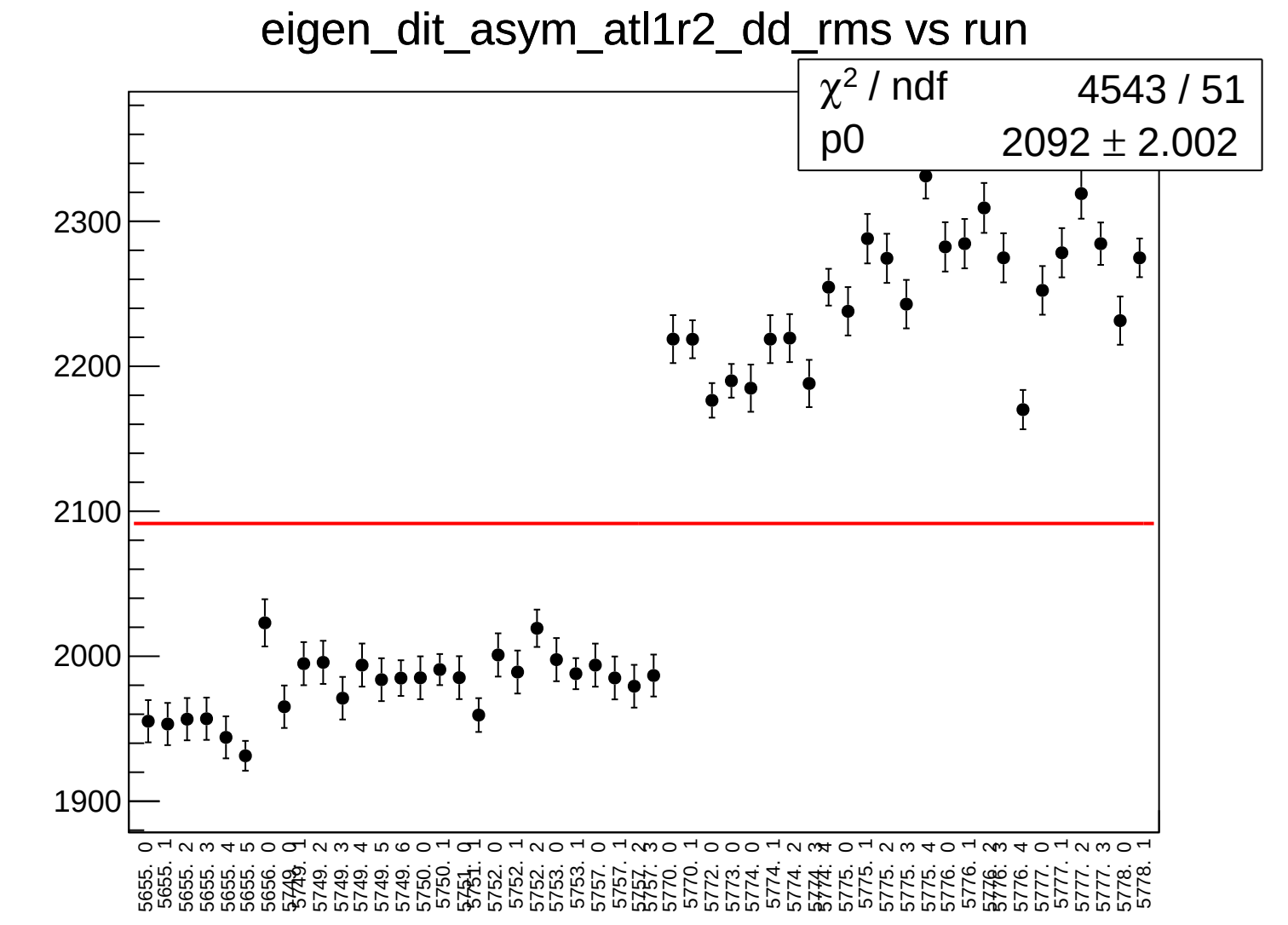
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_dit_asym_atl1r2_dd_mean vs run
χ² / ndf 50 / 51
p0 2134 ± 2831
pull
Entries 52
Mean 23.18
Std Dev 0
pull1D
Entries 52
Mean 0.003838
Std Dev 0.9805


eigen_dit_asym_atl1r2_dd_rms vs run
χ² / ndf 4543 / 51
p0 2092 ± 2.002
2300
2200
2100
2000
1900
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
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5749. 2
5749. 3
5749. 4
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5749. 6
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5775. 4
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5777. 2
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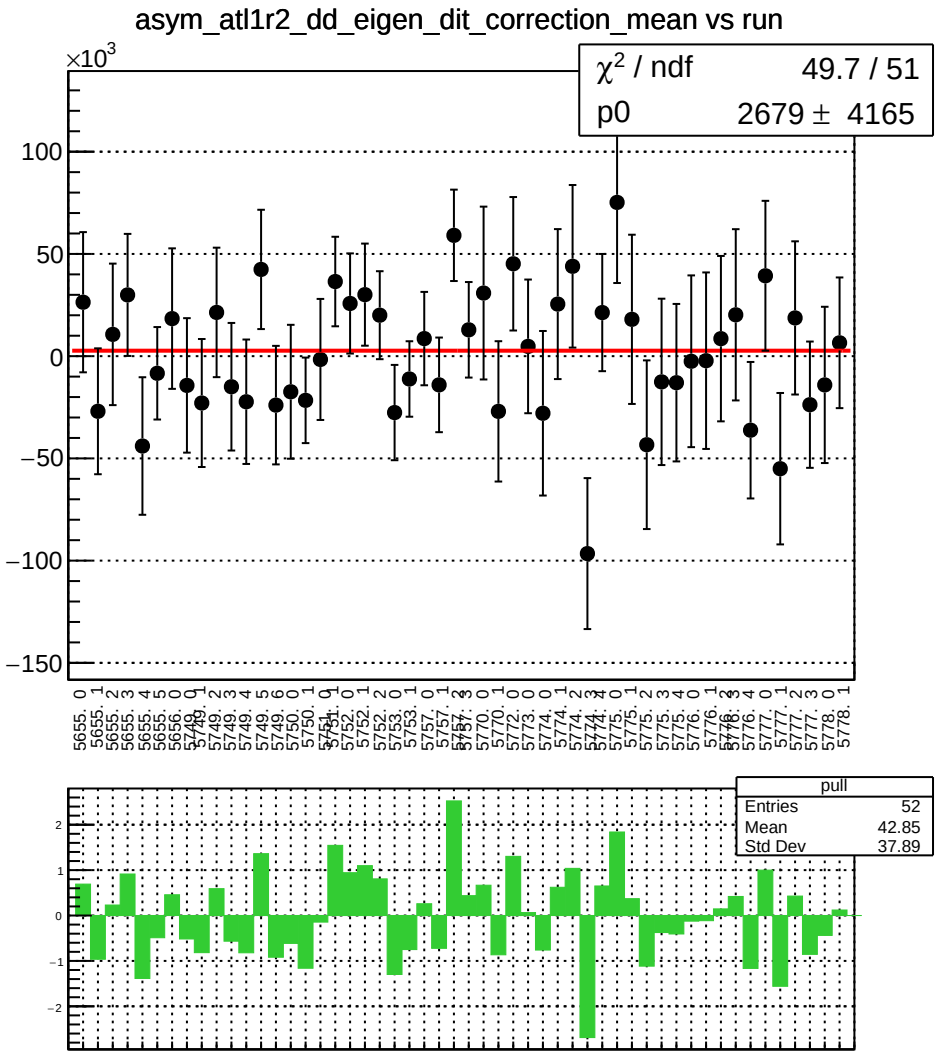
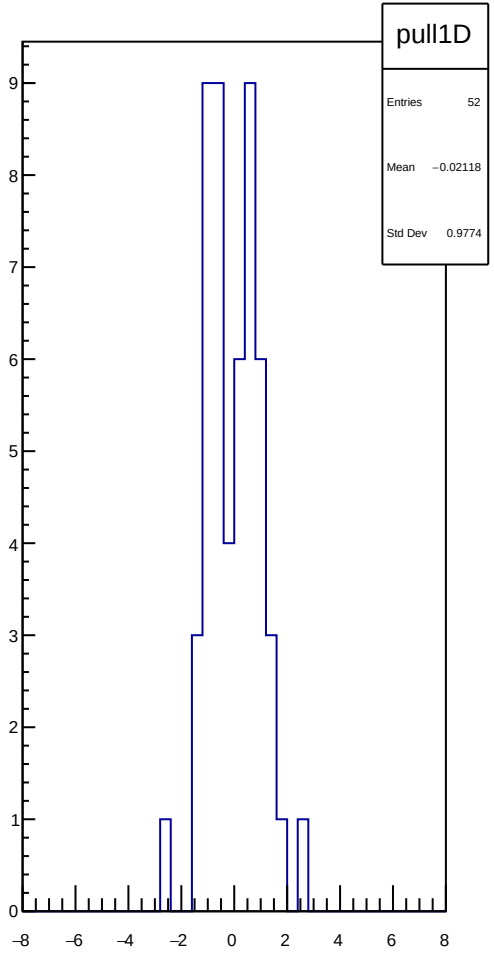
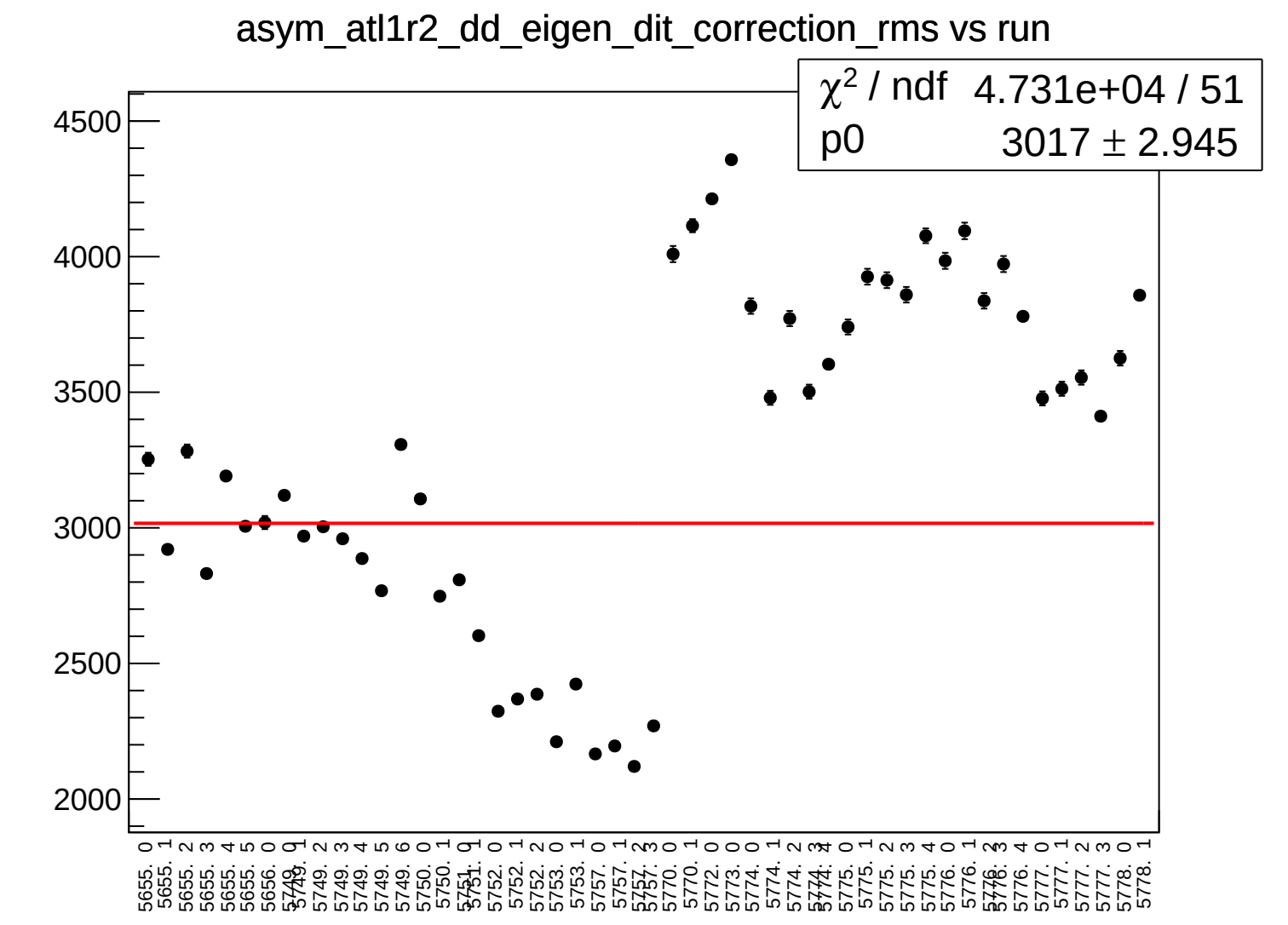
5778. 1


asym_atl1r2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 49.7 / 51
p0 2679 ± 4165
100
50
0
−50
−100
−150
pull
Entries 52
Mean 42.85
Std Dev 37.89
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.02118
Std Dev 0.9774
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_eigen_dit_correction_rms vs run
χ^2 / ndf 4.731e+04 / 51
p0 3017 ± 2.945
4500
4000
3500
3000
2500
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5752. 0
5752. 1
5752. 2
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5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5774. 1
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5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
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5777. 2
5777. 3
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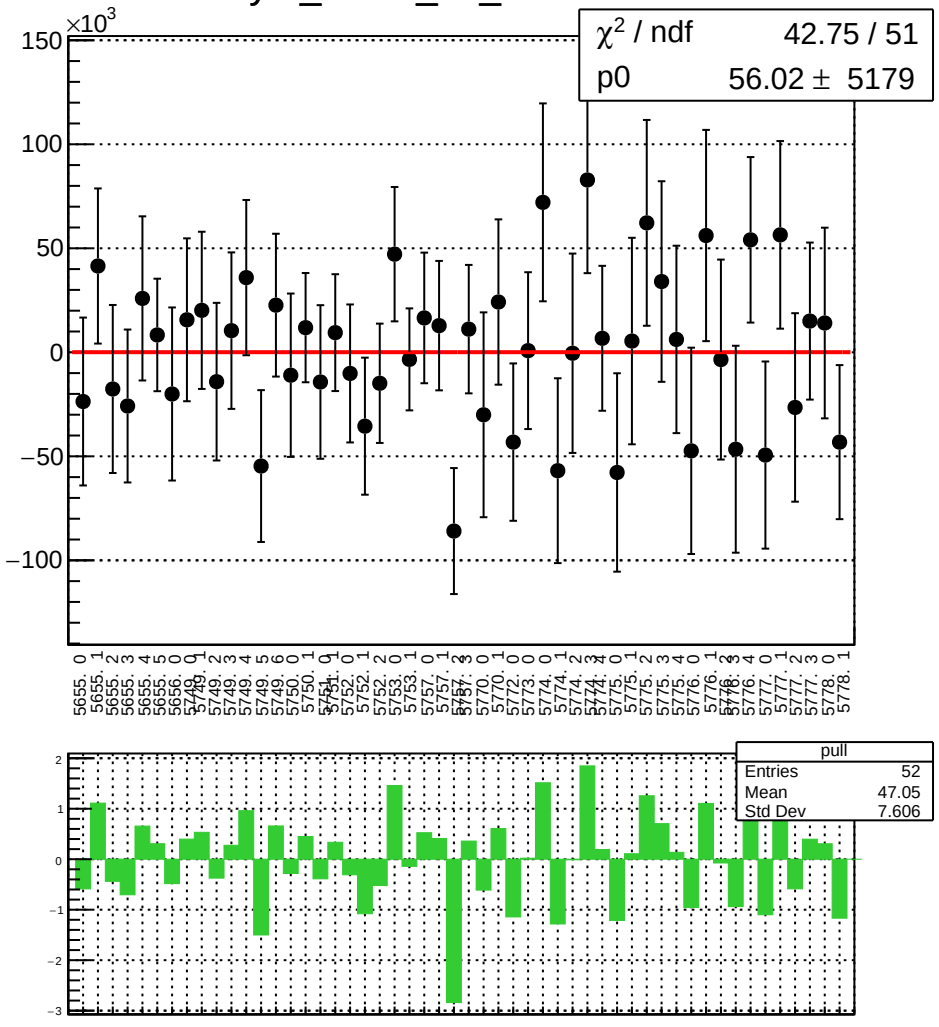
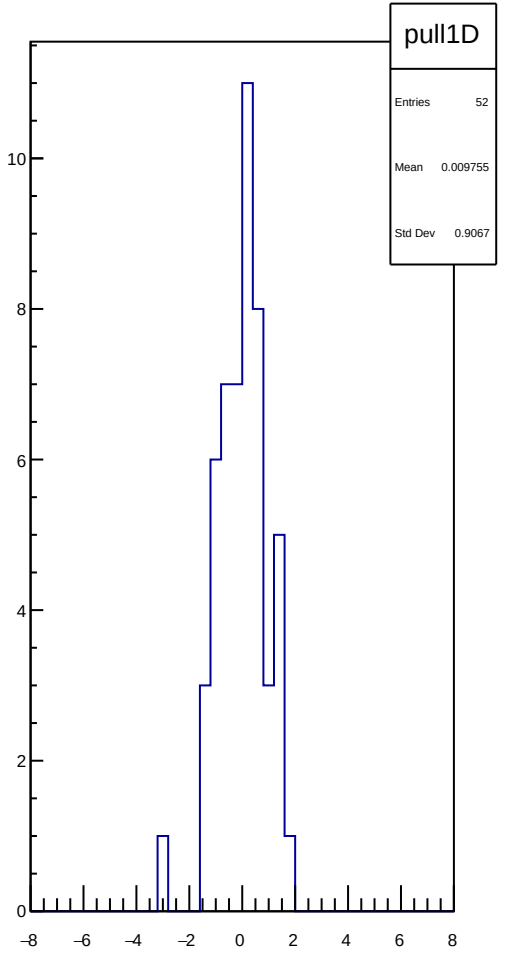
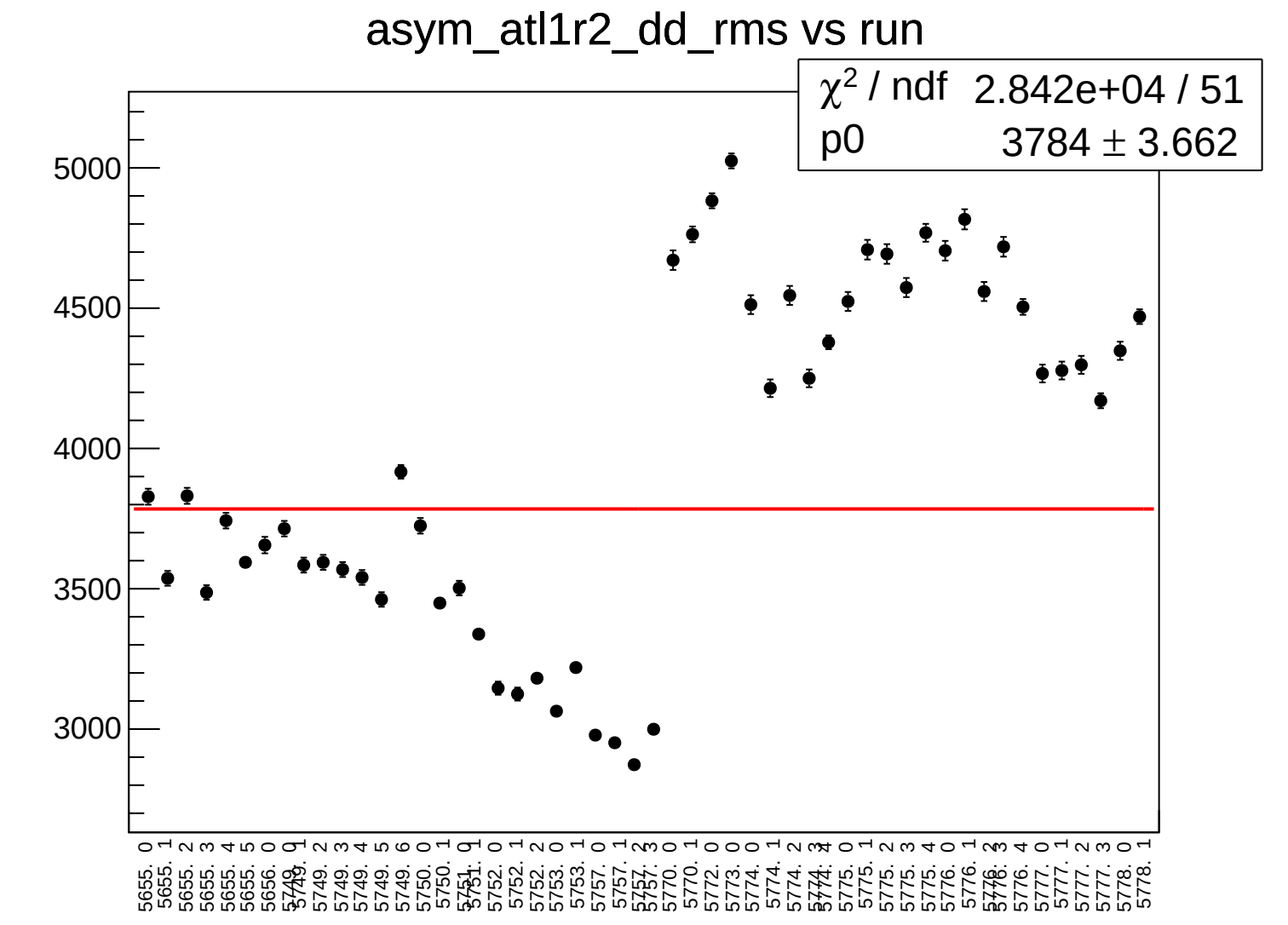
5778. 1


asym_atl1r2_dd_mean vs run
×10^3
χ² / ndf 42.75 / 51
p0 56.02 ± 5179
pull
Entries 52
Mean 47.05
Std Dev 7.606


pull1D
Entries 52
Mean 0.009755
Std Dev 0.9067


asym_atl1r2_dd_rms vs run
χ² / ndf 2.842e+04 / 51
p0 3784 ± 3.662
5000
4500
4000
3500
3000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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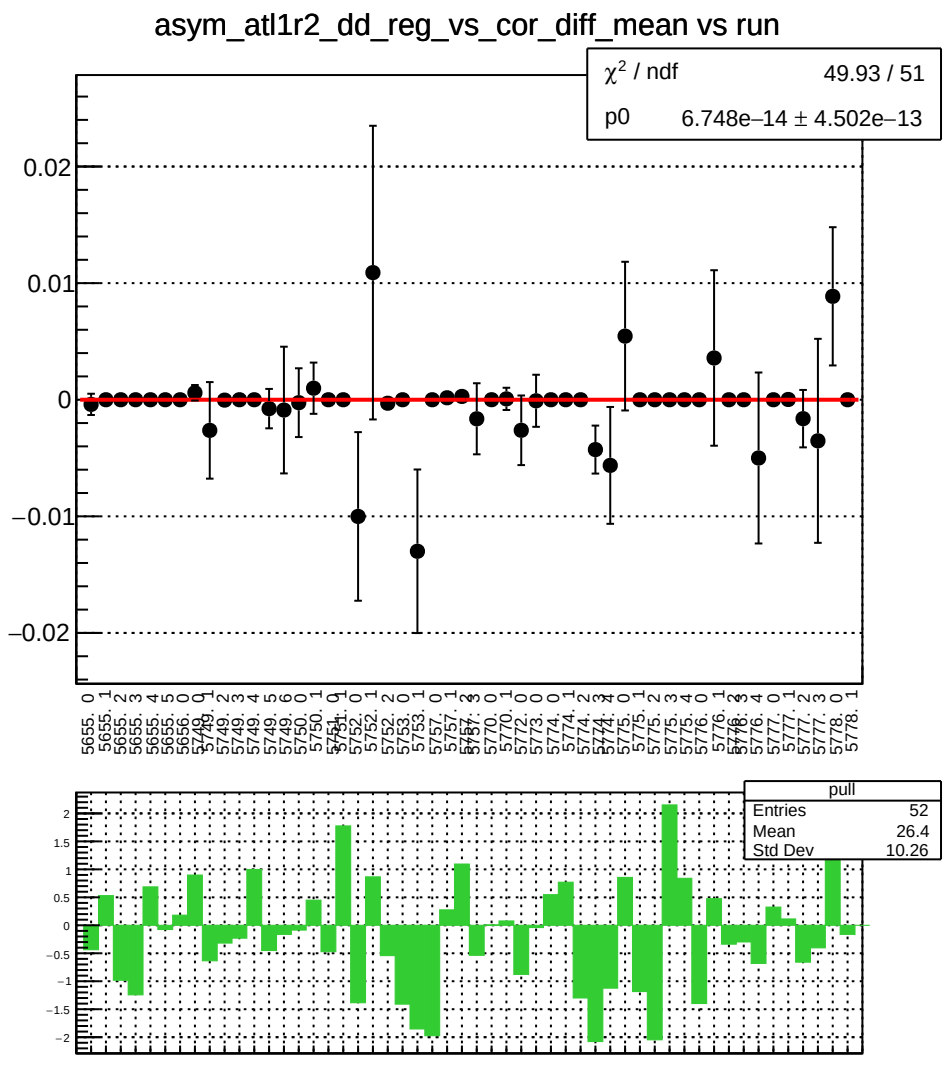
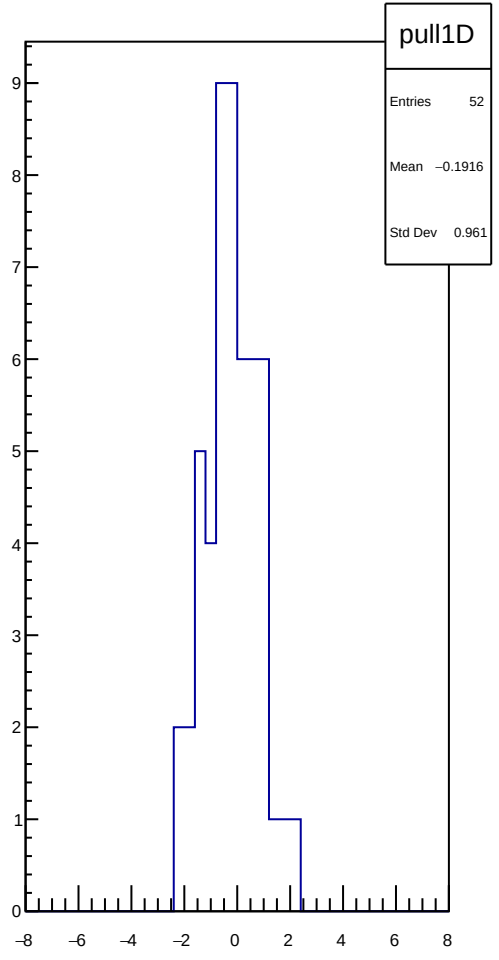
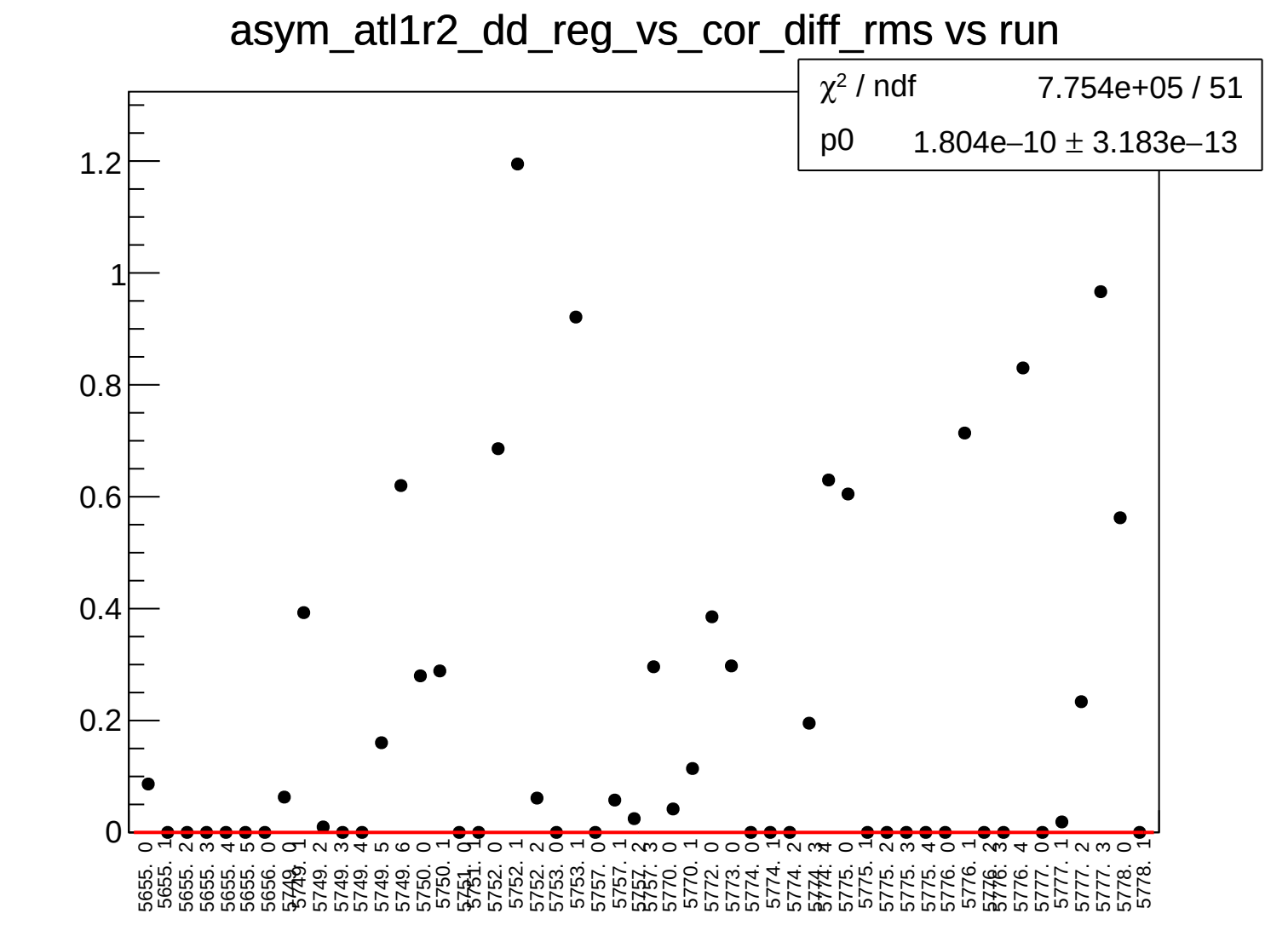
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl1r2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 49.93 / 51
p0 6.748e−14 ± 4.502e−13
0.02
0.01
0
−0.01
−0.02
pull
Entries 52
Mean 26.4
Std Dev 10.26


pull1D
Entries 52
Mean −0.1916
Std Dev 0.961


asym_atl1r2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.754e+05 / 51
p0 1.804e−10 ± 3.183e−13
1.2
1
0.8
0.6
0.4
0.2
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
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5774. 1
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5774. 4
5775. 0
5775. 1
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5776. 0
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5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
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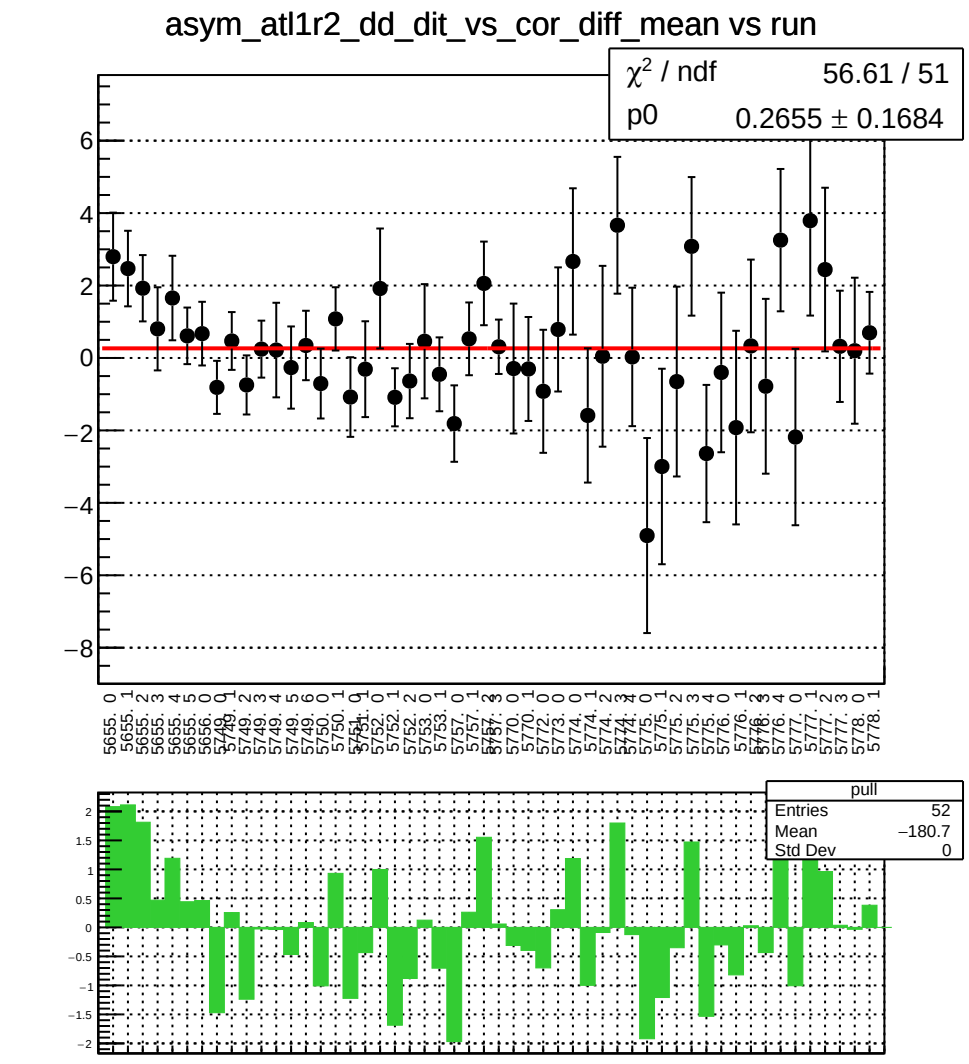
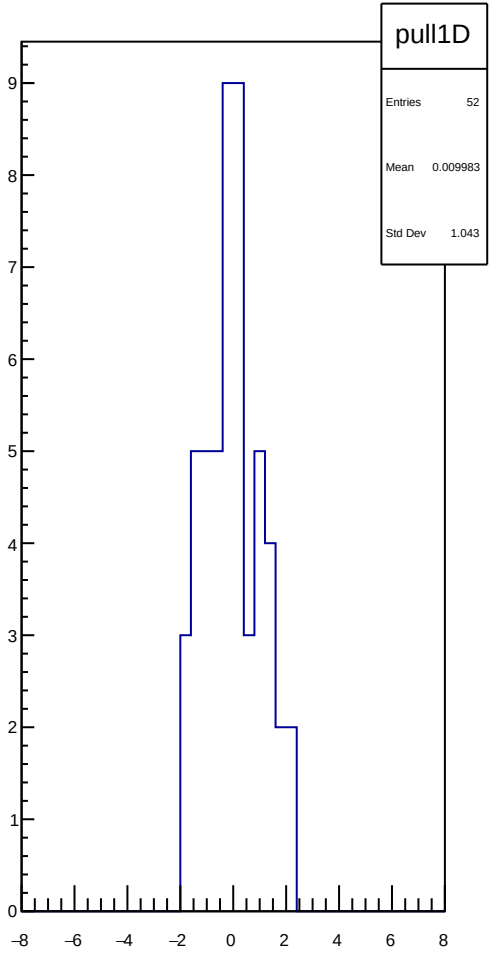
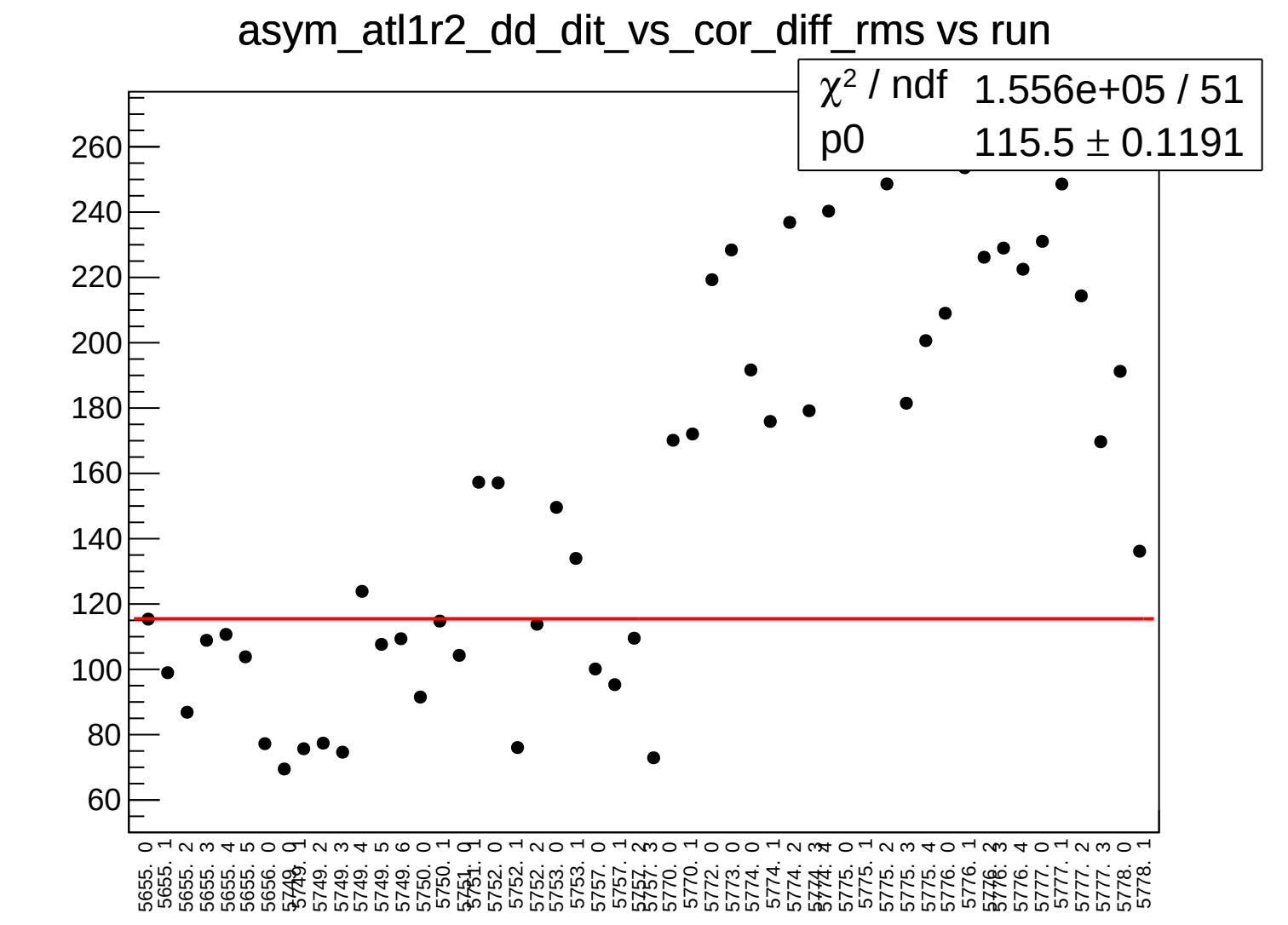
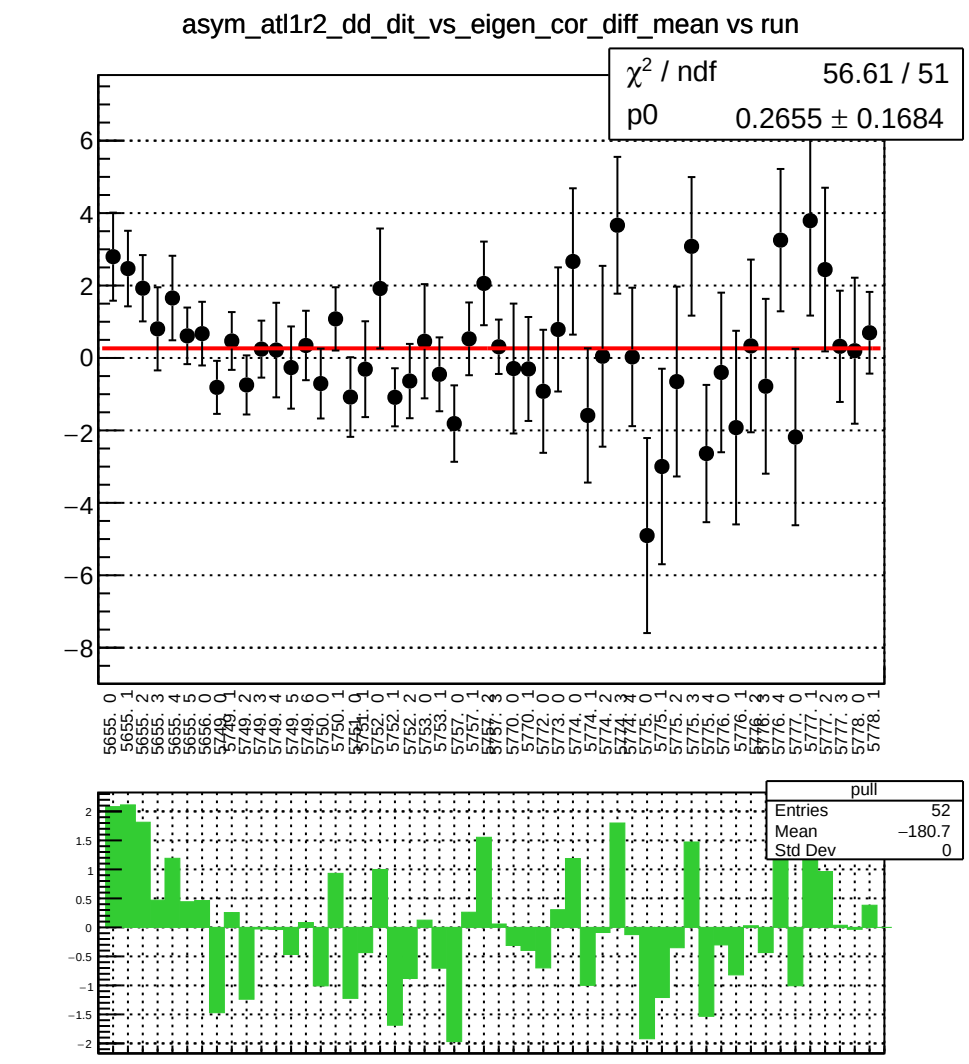
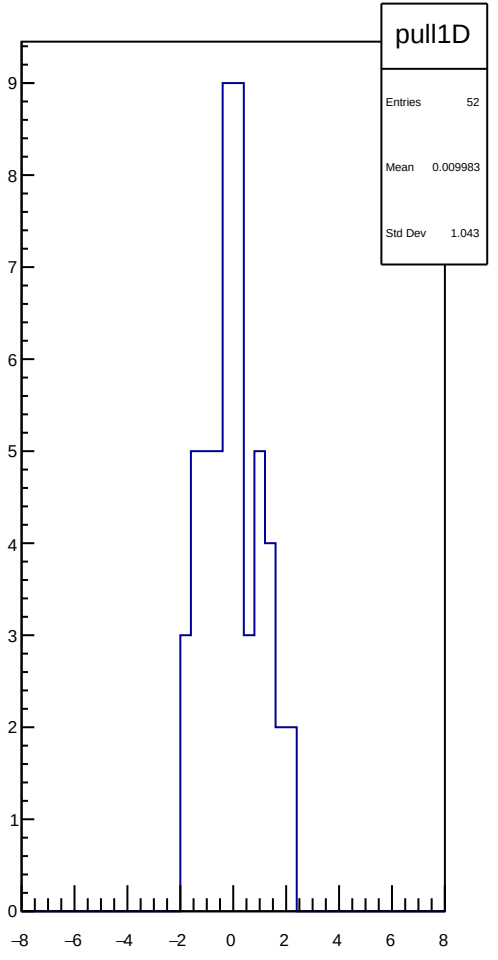
5778. 0
5778. 1

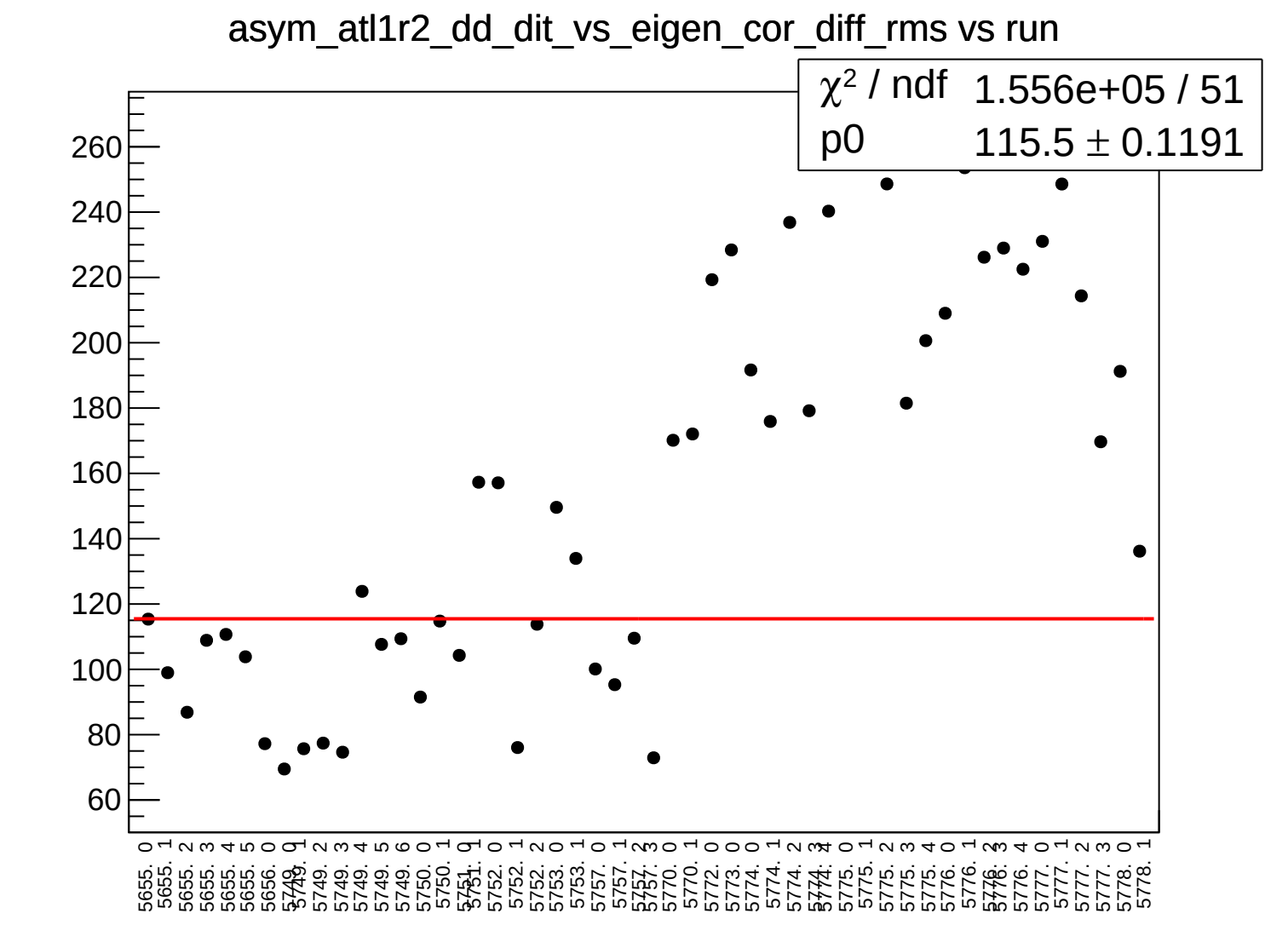

asym_atl1r2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 56.61 / 51
p0 0.2655 ± 0.1684
pull
Entries 52
Mean −180.7
Std Dev 0


pull1D
Entries 52
Mean 0.009983
Std Dev 1.043


asym_atl1r2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.556e+05 / 51
p0 115.5 ± 0.1191
260
240
220
200
180
160
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.61 / 51
p0 0.2655 ± 0.1684
pull
Entries 52
Mean −180.7
Std Dev 0


pull1D
Entries 52
Mean 0.009983
Std Dev 1.043


asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.556e+05 / 51
p0 115.5 ± 0.1191
260
240
220
200
180
160
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
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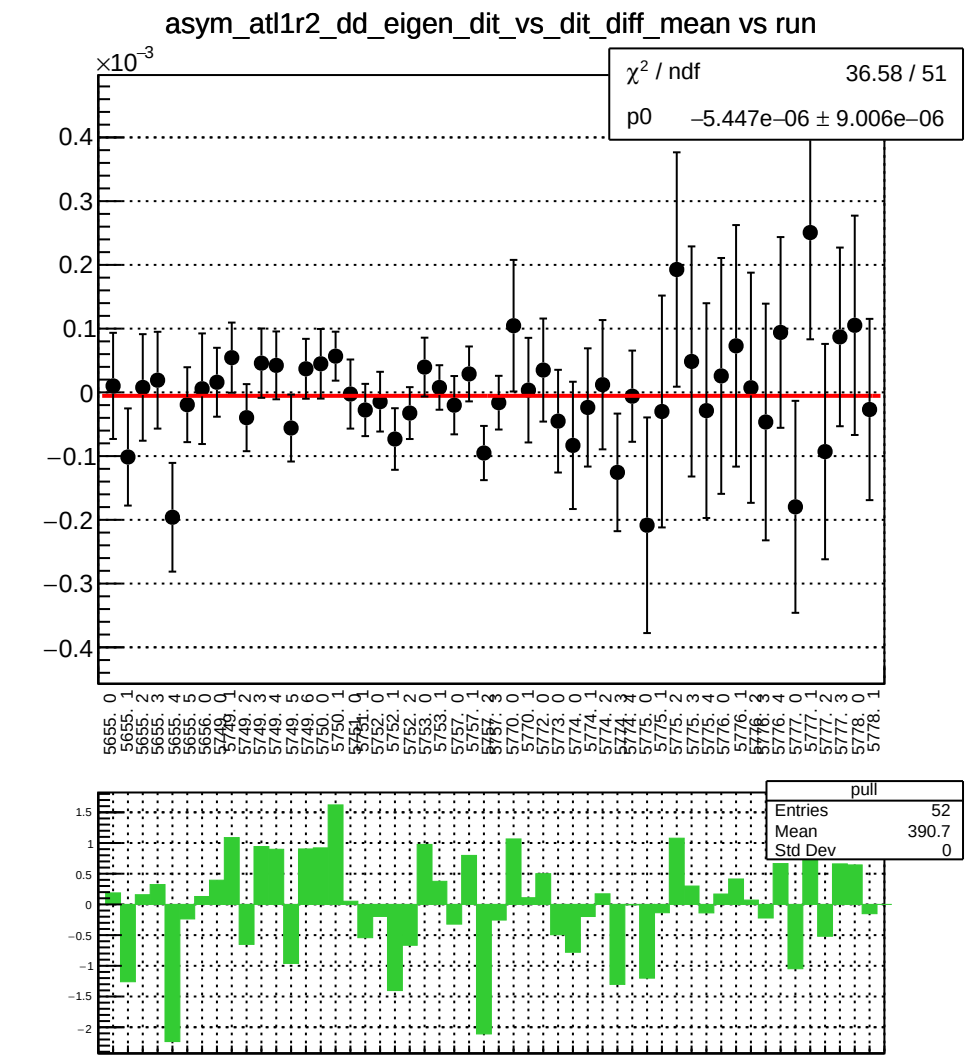
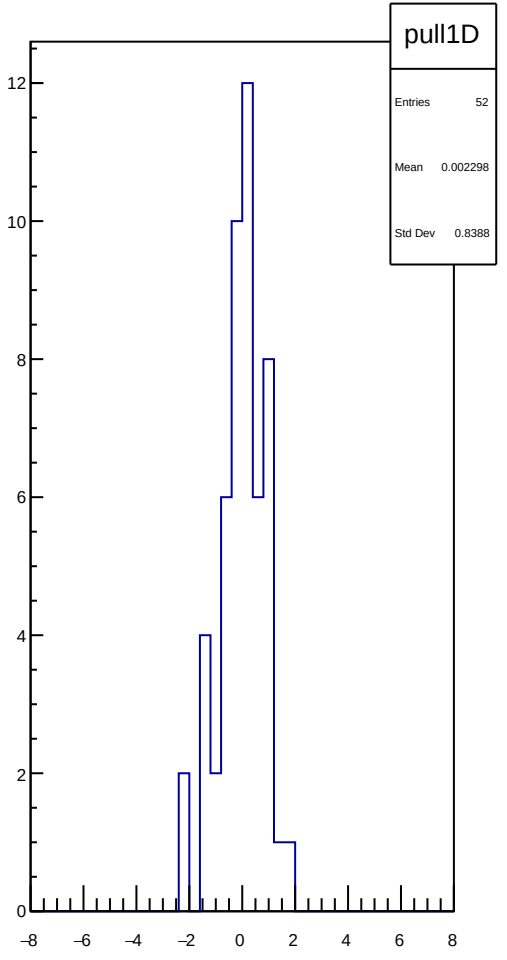
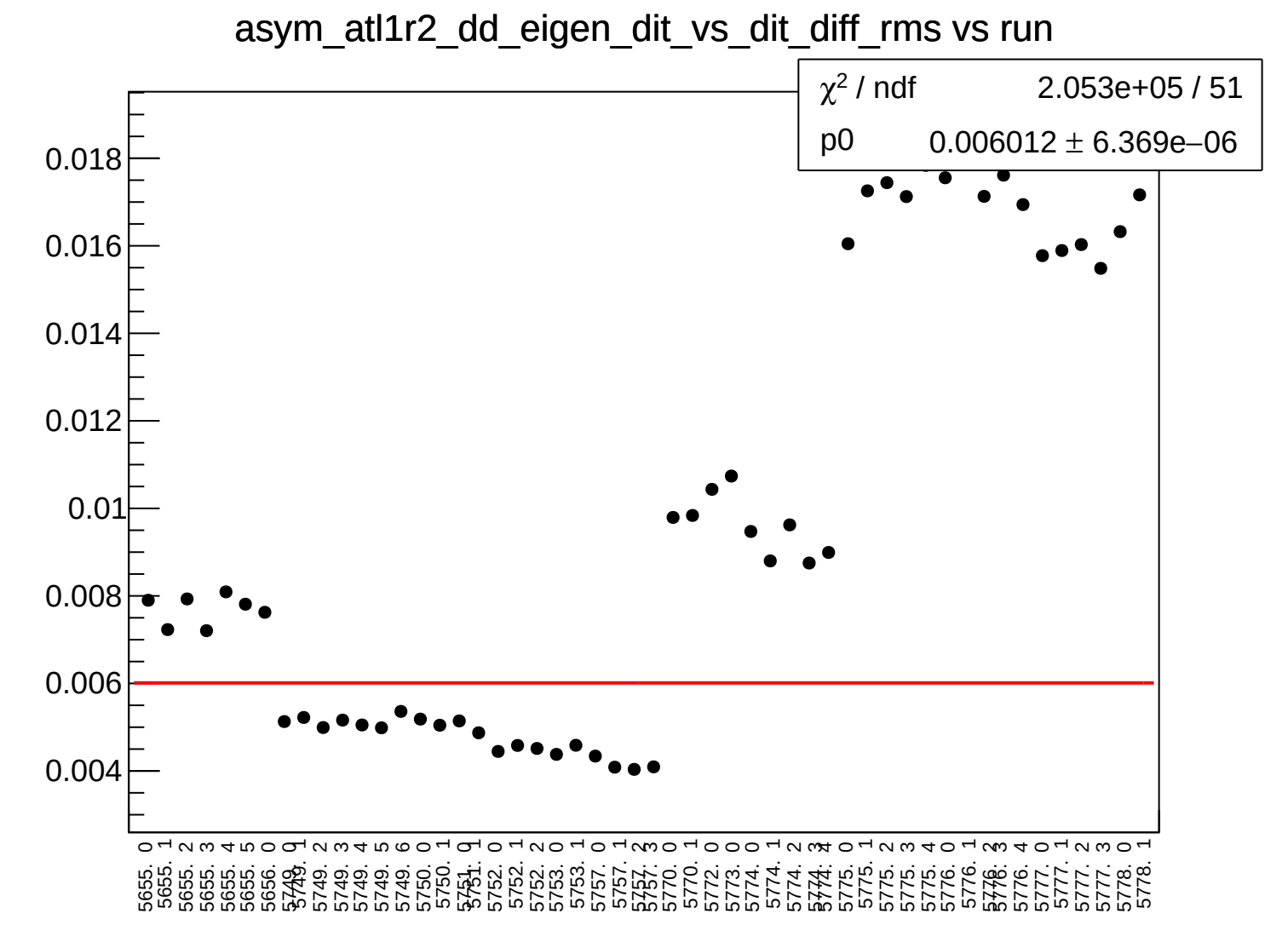
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 36.58 / 51
p0 −5.447e−06 ± 9.006e−06
pull
Entries 52
Mean 390.7
Std Dev 0


pull1D
Entries 52
Mean 0.002298
Std Dev 0.8388


asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.053e+05 / 51
p0 0.006012 ± 6.369e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
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5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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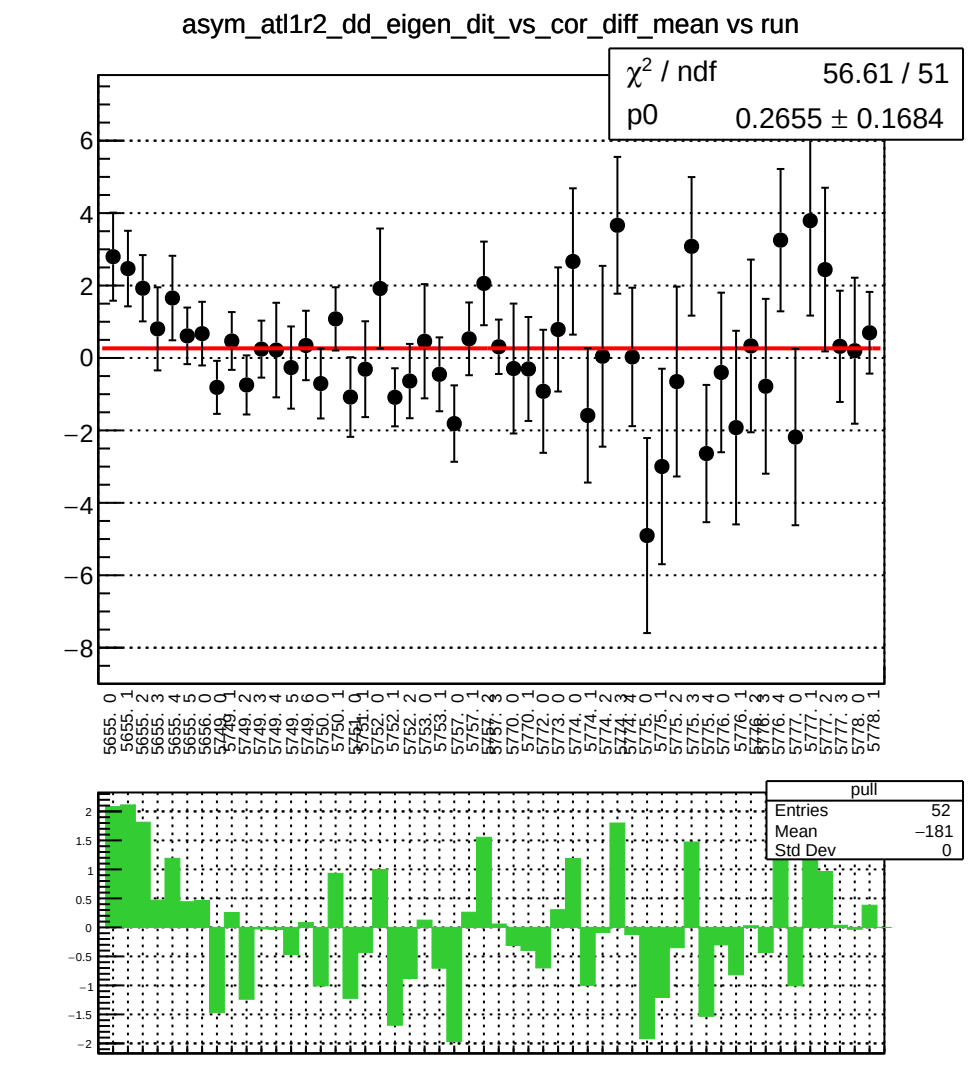
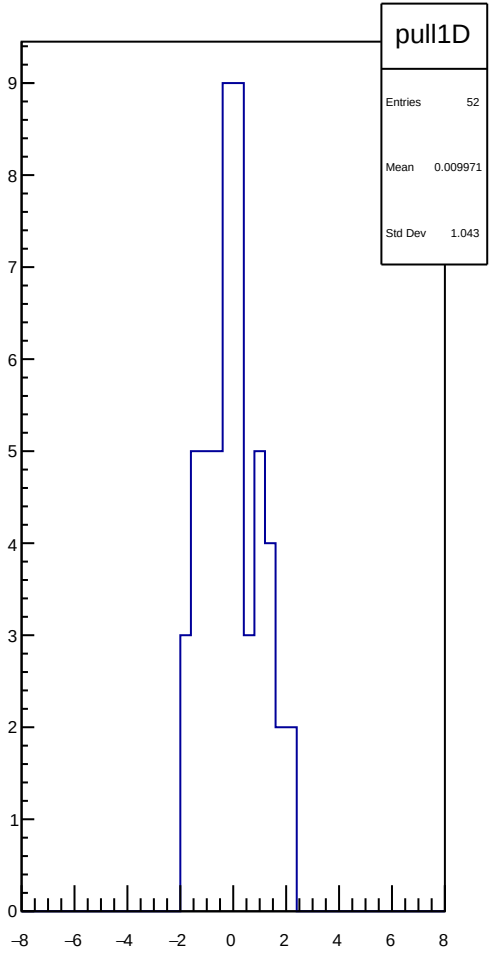
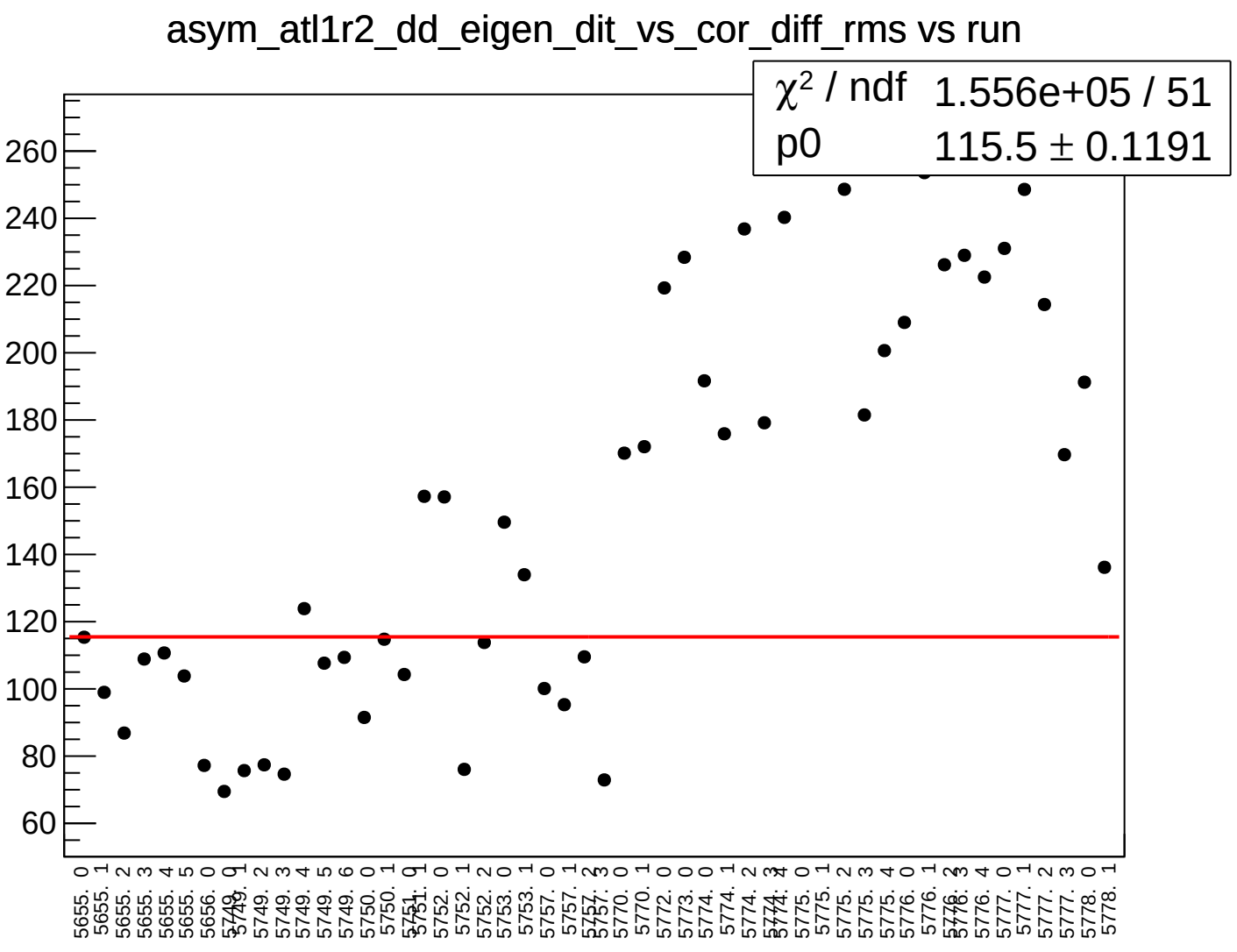
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.61 / 51
p0 0.2655 ± 0.1684
pull
Entries 52
Mean −181
Std Dev 0


pull1D
Entries 52
Mean 0.009971
Std Dev 1.043


asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.556e+05 / 51
p0 115.5 ± 0.1191
260
240
220
200
180
160
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5750. 1
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5751. 1
5752. 0
5752. 1
5752. 2
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5757. 3
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5777. 1
5777. 2
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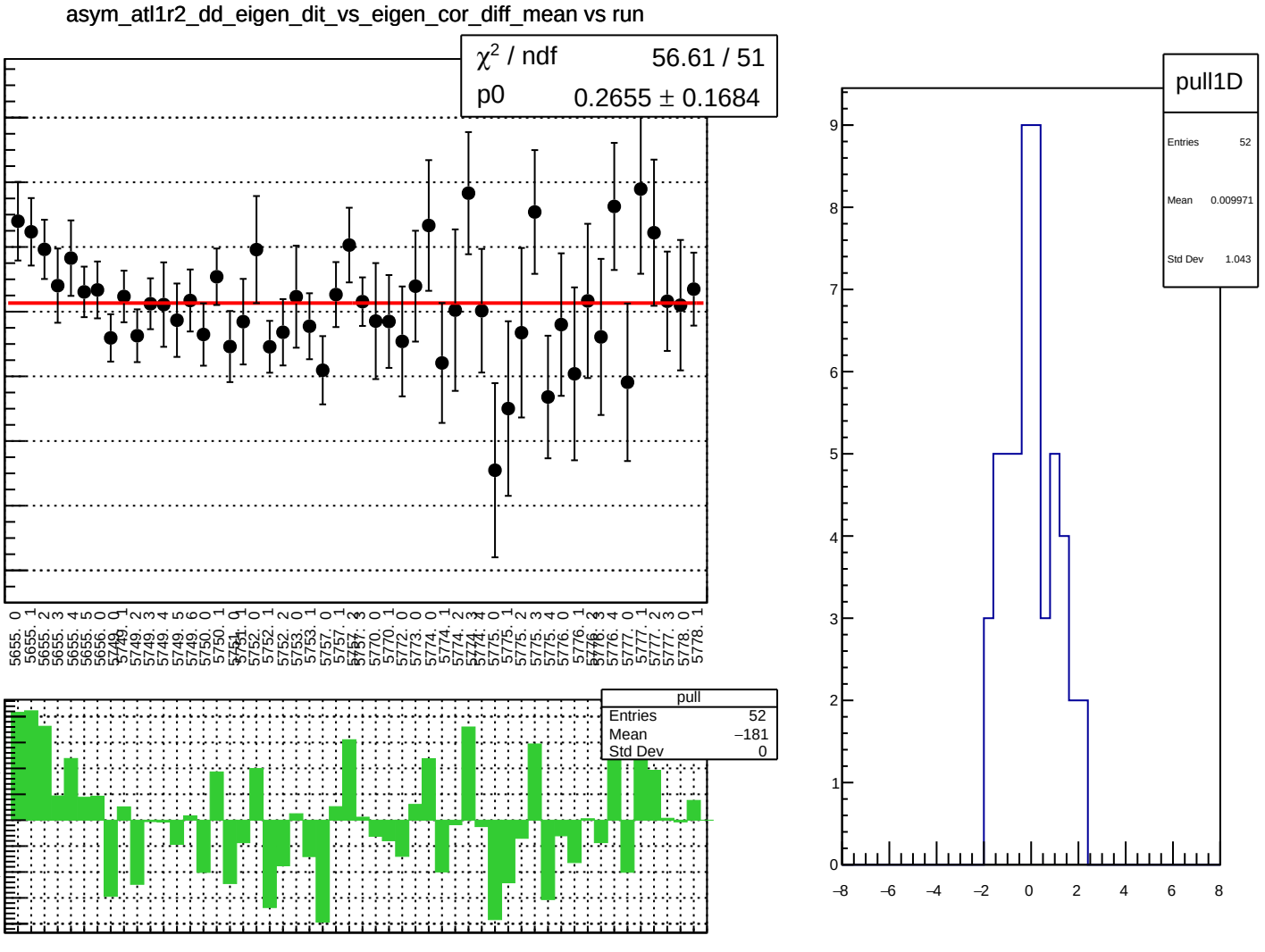
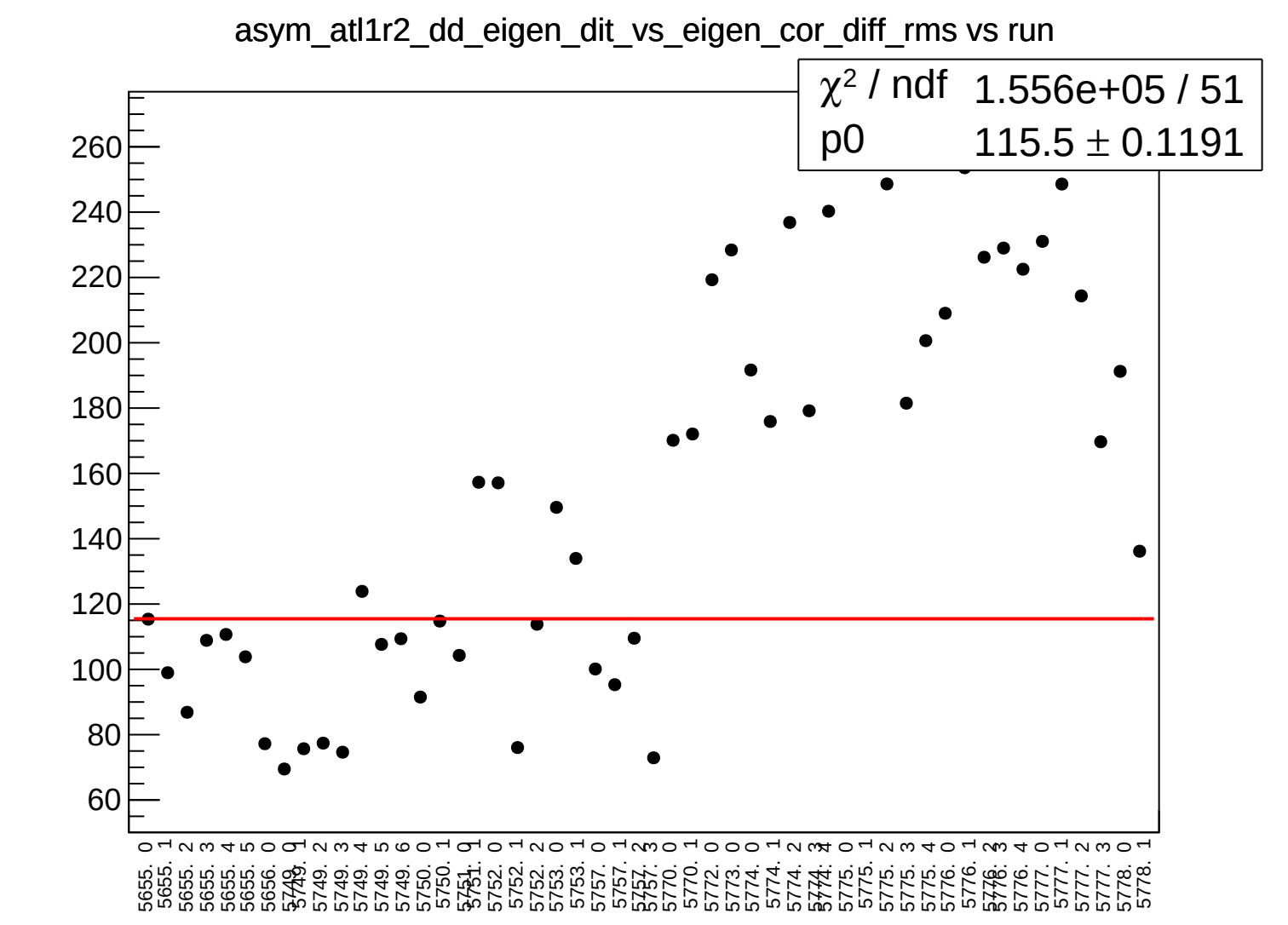
5778. 0
5778. 1


asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.61 / 51
p0 0.2655 ± 0.1684
pull
Entries 52
Mean −181
Std Dev 0
pull1D
Entries 52
Mean 0.009971
Std Dev 1.043


asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.556e+05 / 51
p0 115.5 ± 0.1191
260
240
220
200
180
160
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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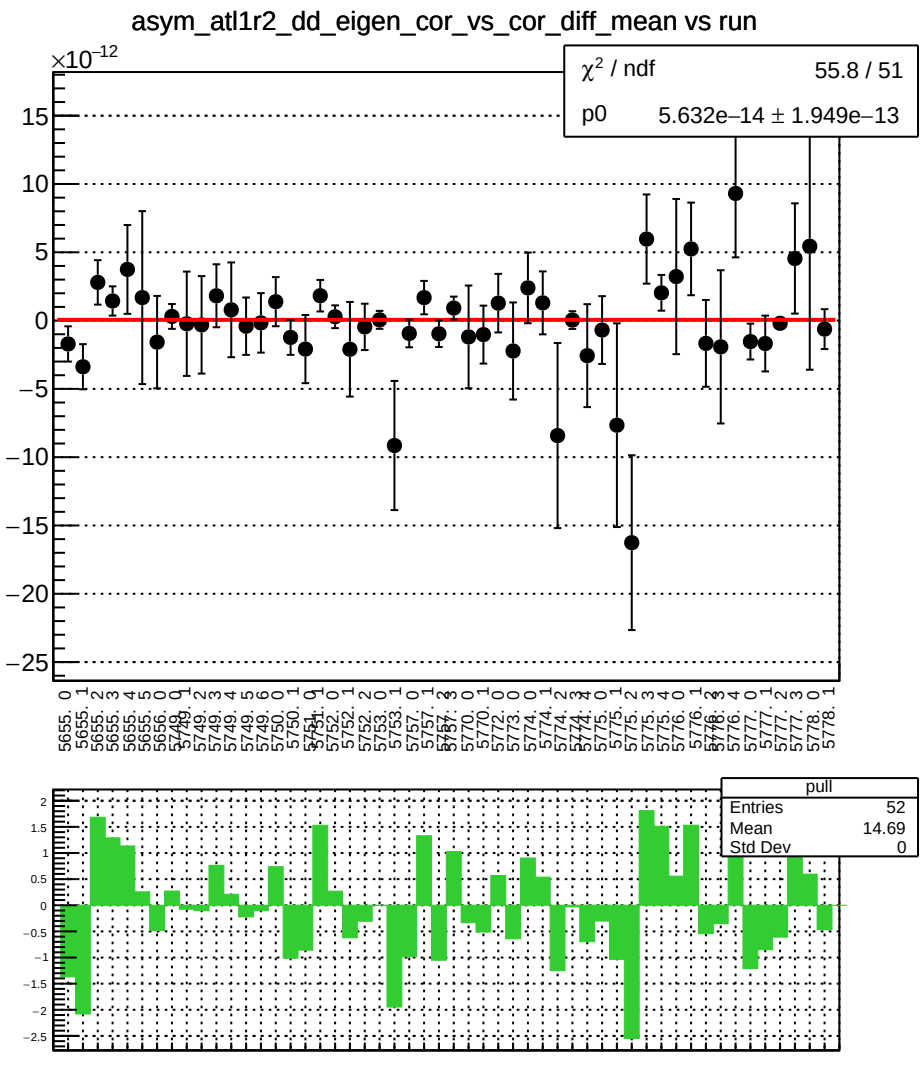
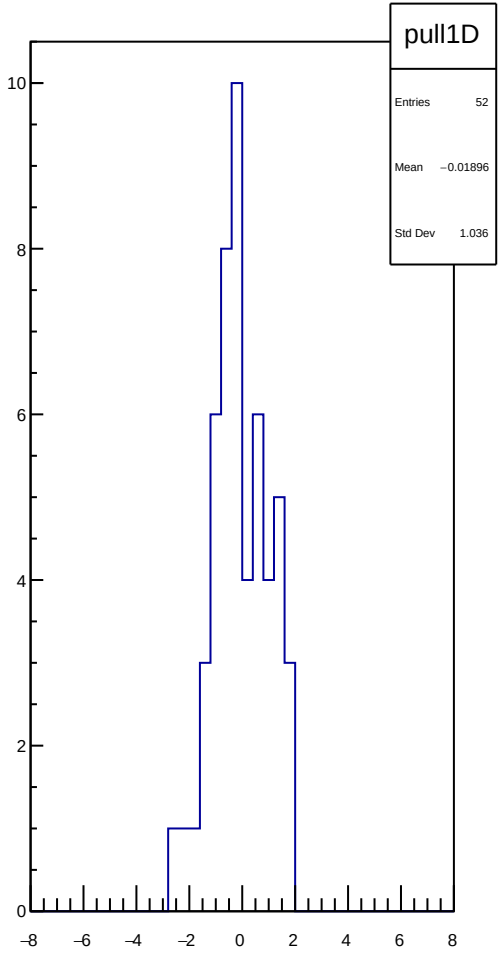
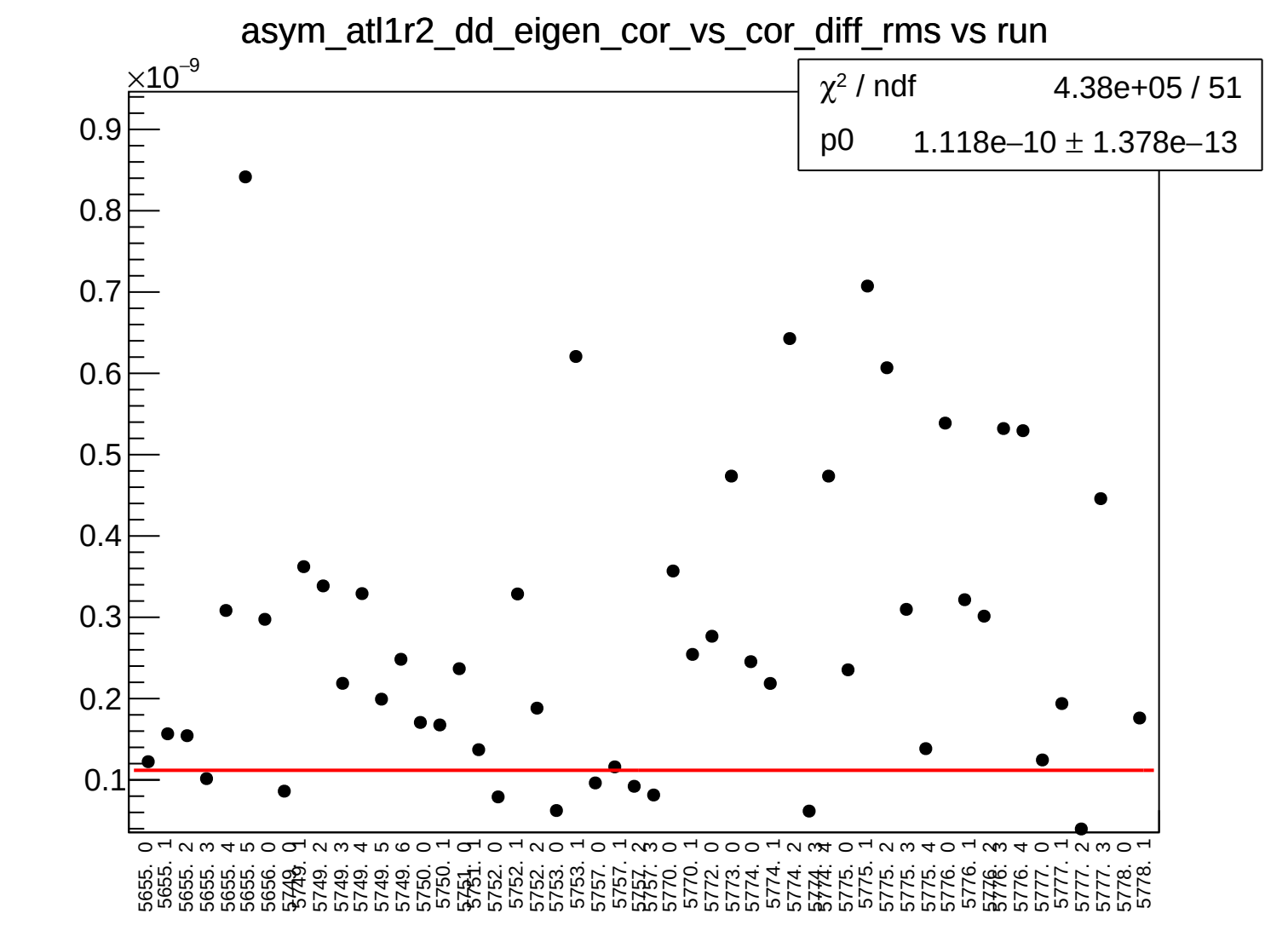
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.8 / 51
p0 5.632e−14 ± 1.949e−13
pull
Entries 52
Mean 14.69
Std Dev 0


pull1D
Entries 52
Mean −0.01896
Std Dev 1.036


asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.38e+05 / 51
p0 1.118e−10 ± 1.378e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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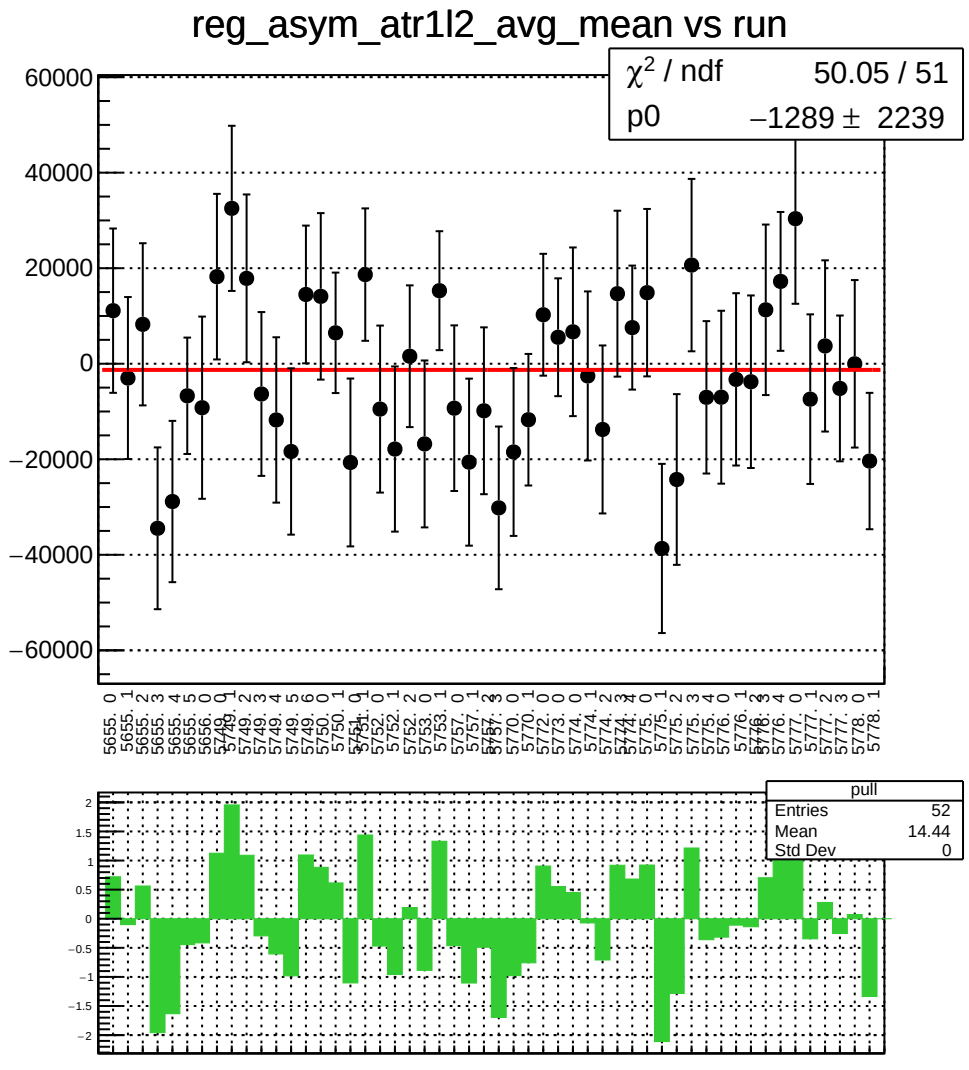
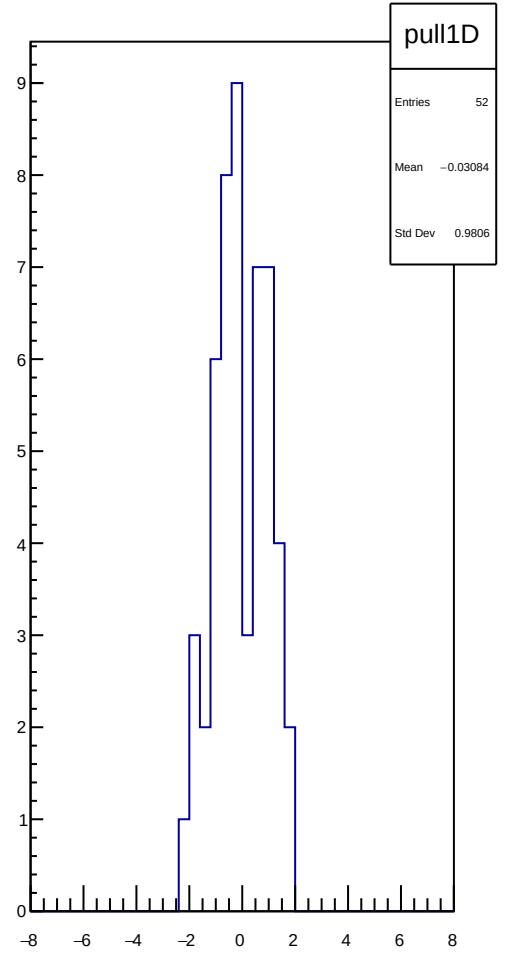
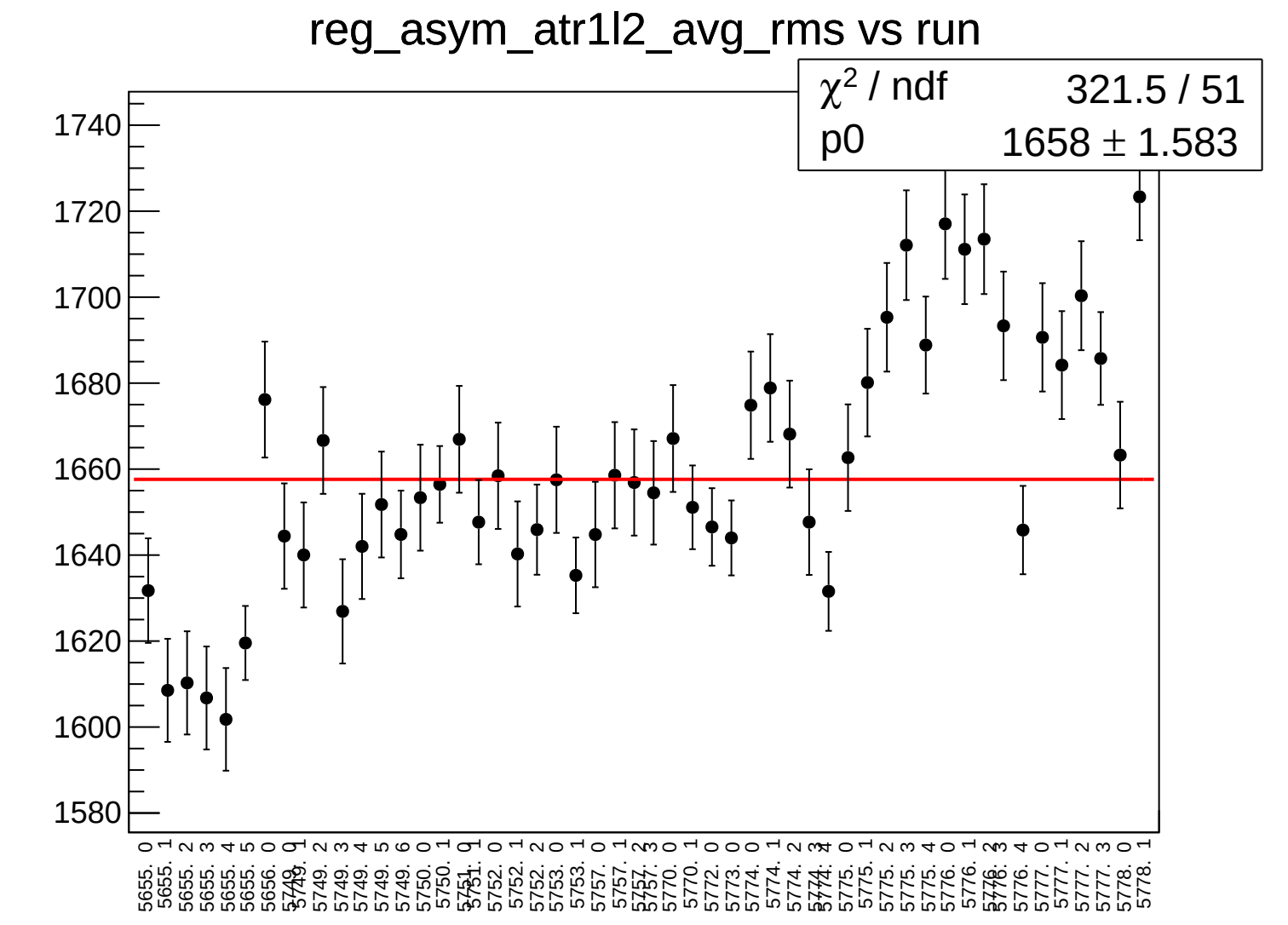
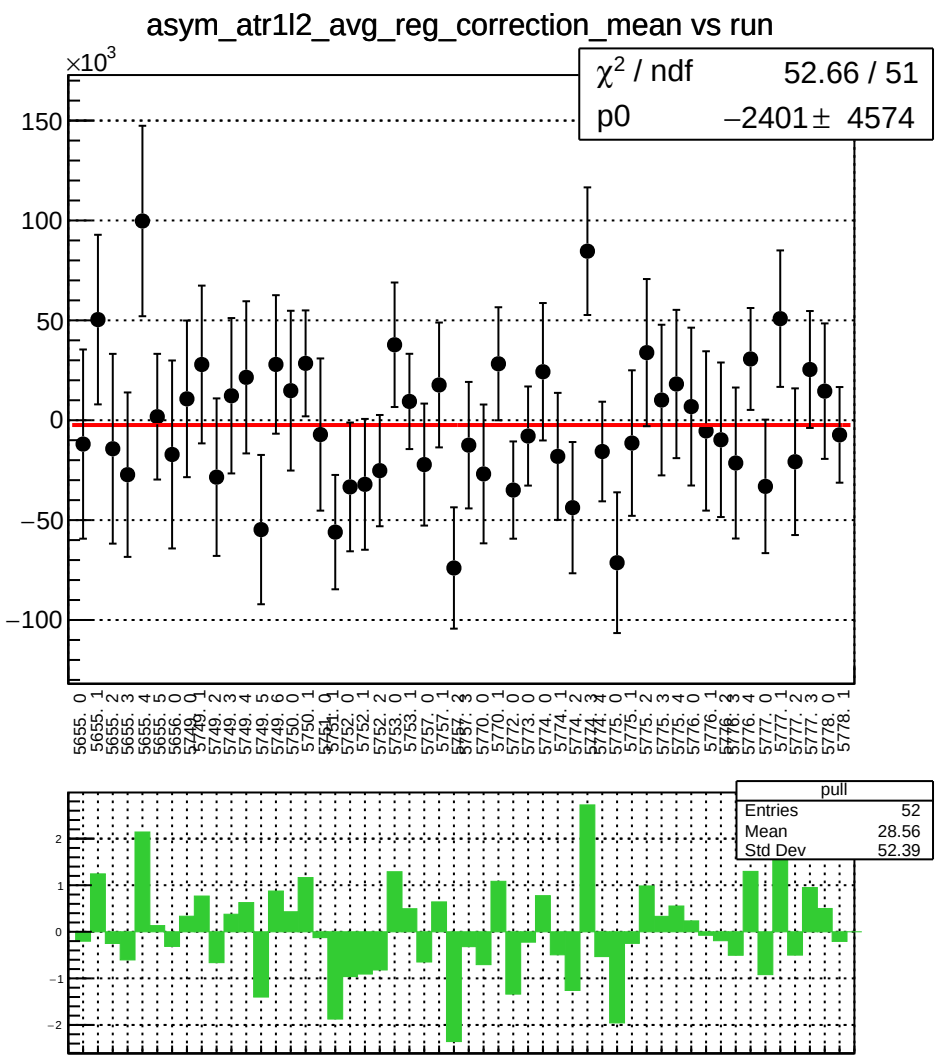
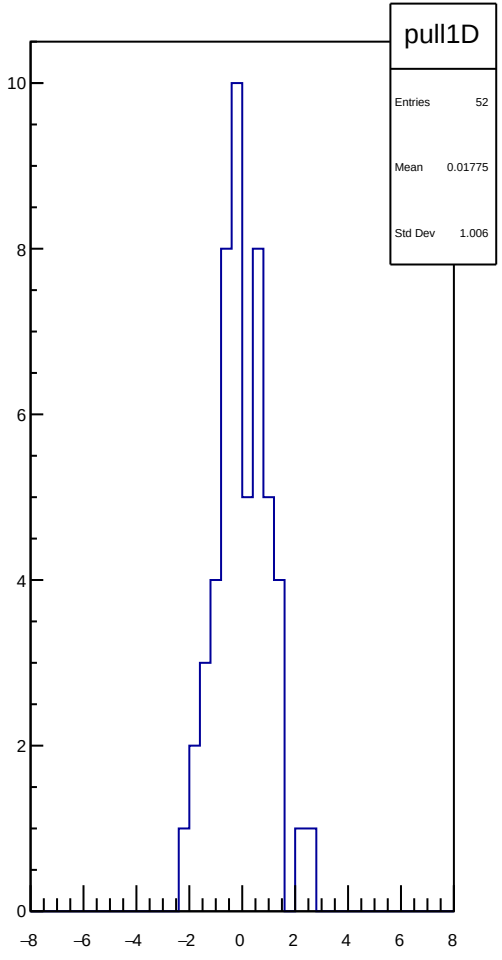
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

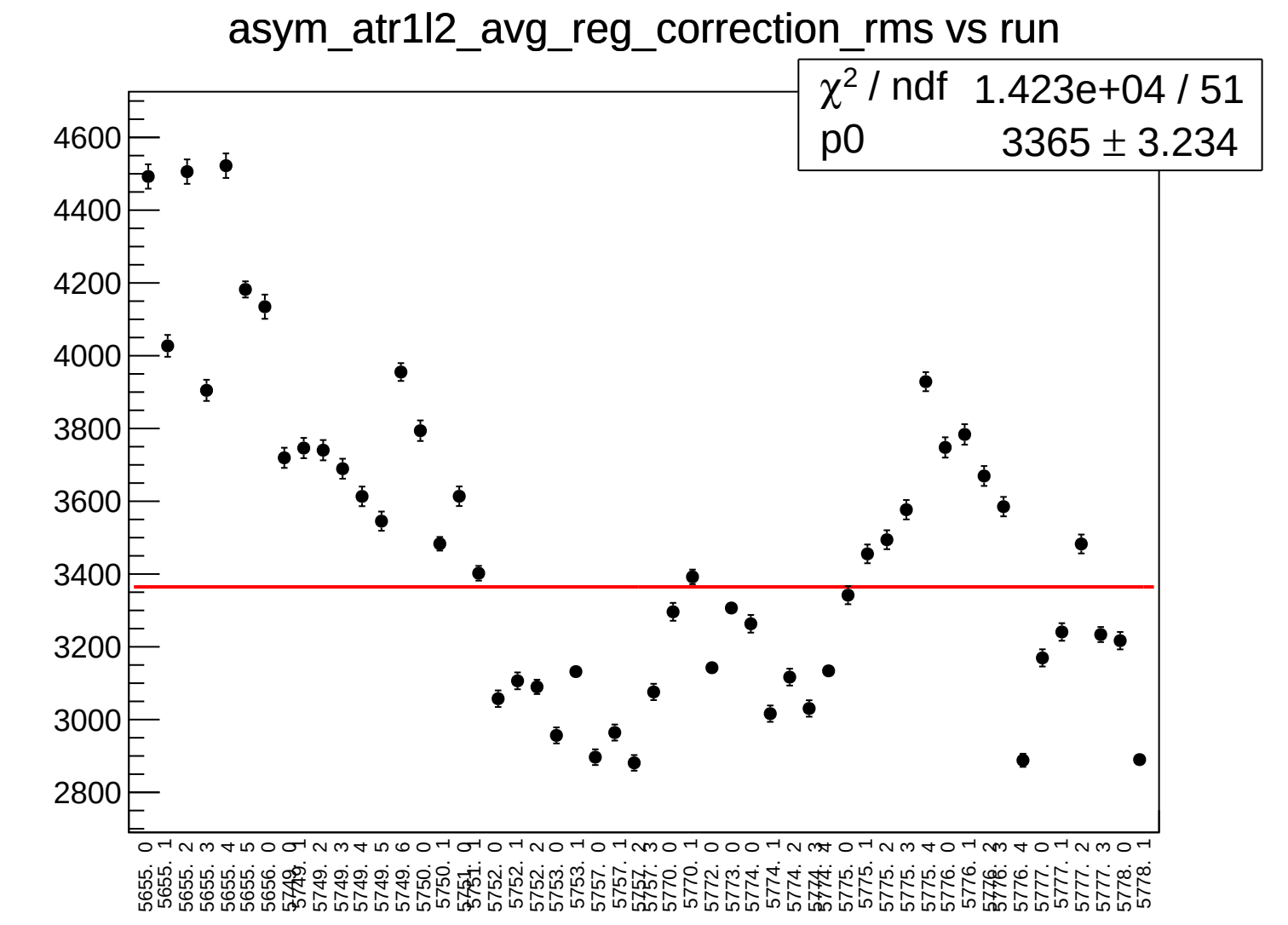

reg_asym_atr1l2_avg_mean vs run
χ² / ndf 50.05 / 51
p0 −1289 ± 2239
pull
Entries 52
Mean 14.44
Std Dev 0


pull1D
Entries 52
Mean −0.03084
Std Dev 0.9806


reg_asym_atr1l2_avg_rms vs run
χ² / ndf 321.5 / 51
p0 1658 ± 1.583
1740
1720
1700
1680
1660
1640
1620
1600
1580
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atr1l2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 52.66 / 51
p0 −2401 ± 4574
150
100
50
0
−50
−100
pull
Entries 52
Mean 28.56
Std Dev 52.39
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01775
Std Dev 1.006
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 1.423e+04 / 51
p0 3365 ± 3.234
4600
4400
4200
4000
3800
3600
3400
3200
3000
2800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
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5775. 2
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5776. 0
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5776. 3
5776. 4
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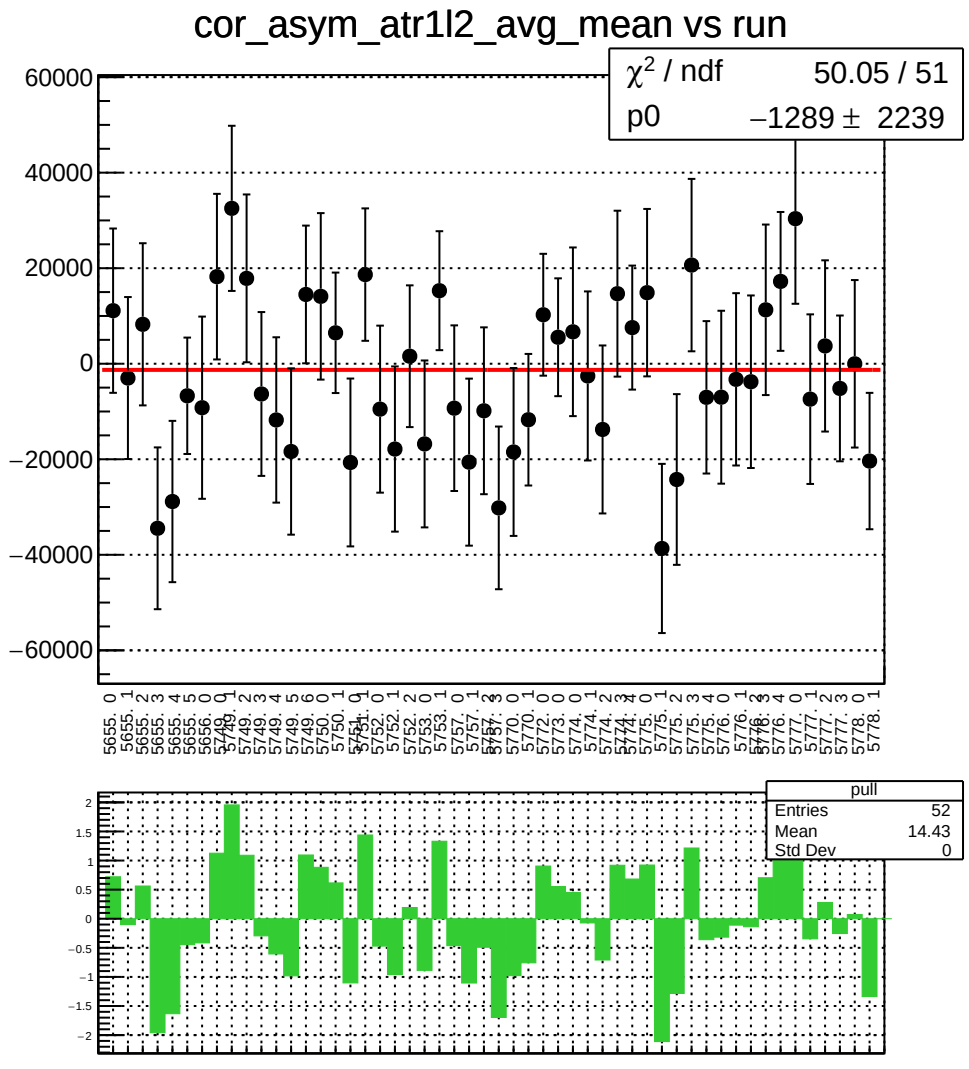
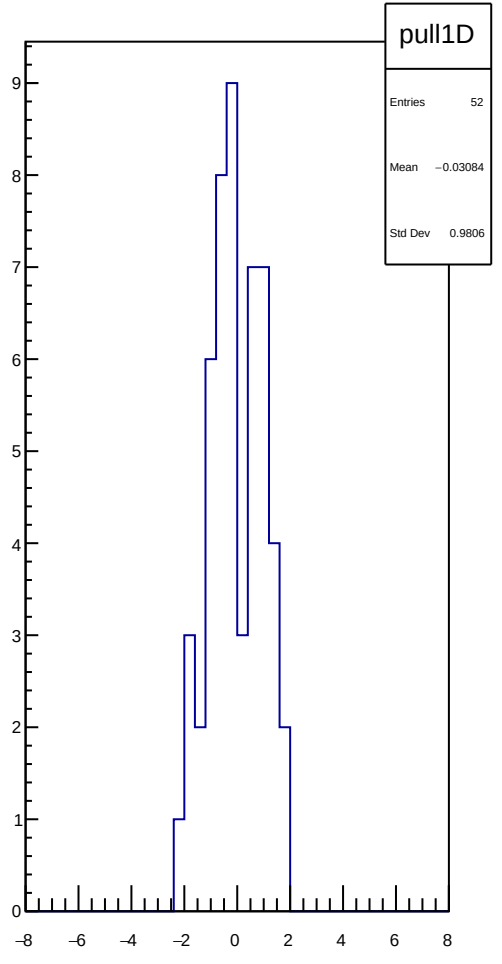
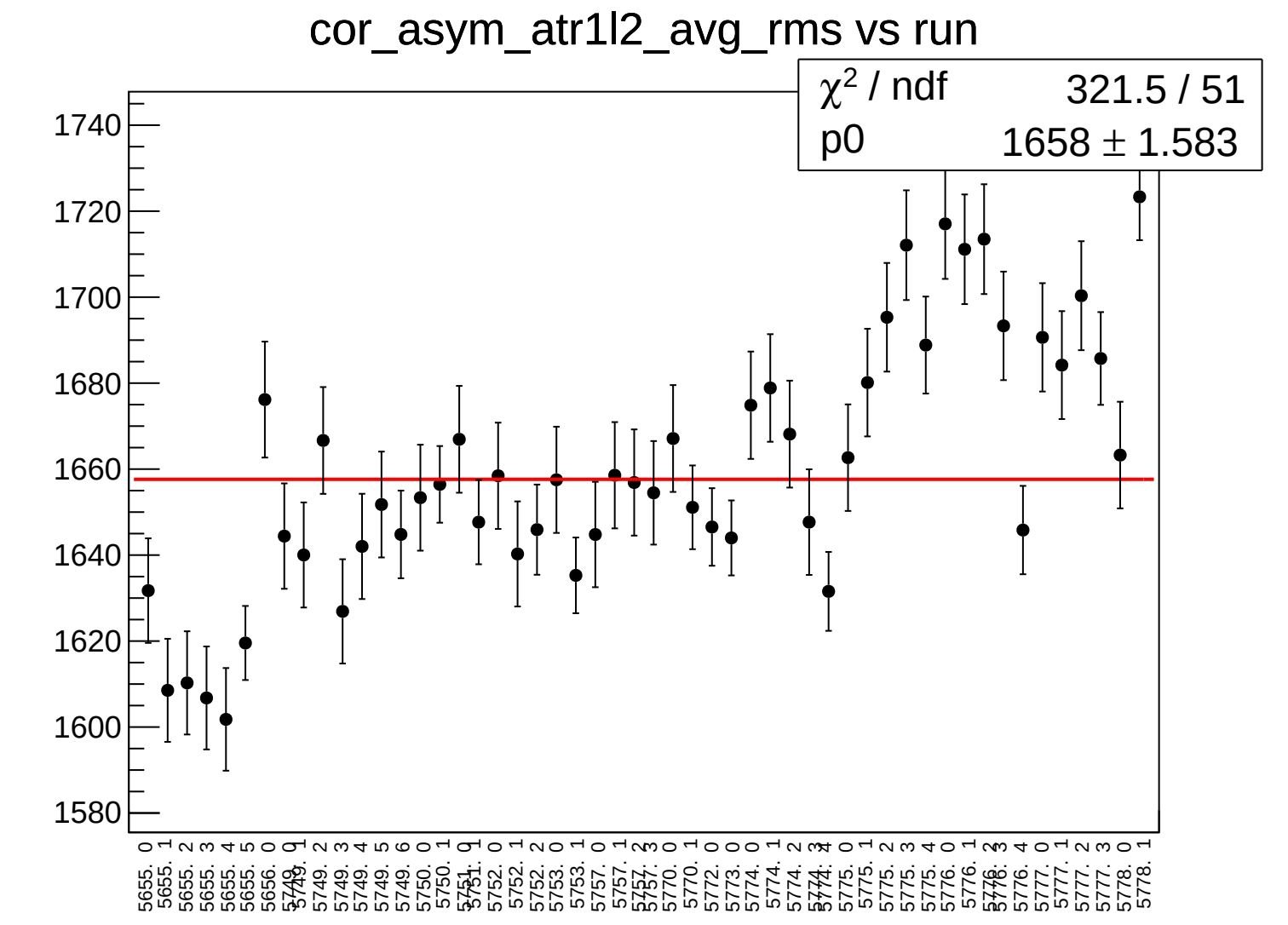
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_atr1l2_avg_mean vs run
χ² / ndf 50.05 / 51
p0 −1289 ± 2239
pull
Entries 52
Mean 14.43
Std Dev 0


pull1D
Entries 52
Mean −0.03084
Std Dev 0.9806


cor_asym_atr1l2_avg_rms vs run
χ² / ndf 321.5 / 51
p0 1658 ± 1.583
1740
1720
1700
1680
1660
1640
1620
1600
1580
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
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5753. 1
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5757. 2
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5770. 0
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5774. 1
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5774. 4
5775. 0
5775. 1
5775. 2
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5775. 4
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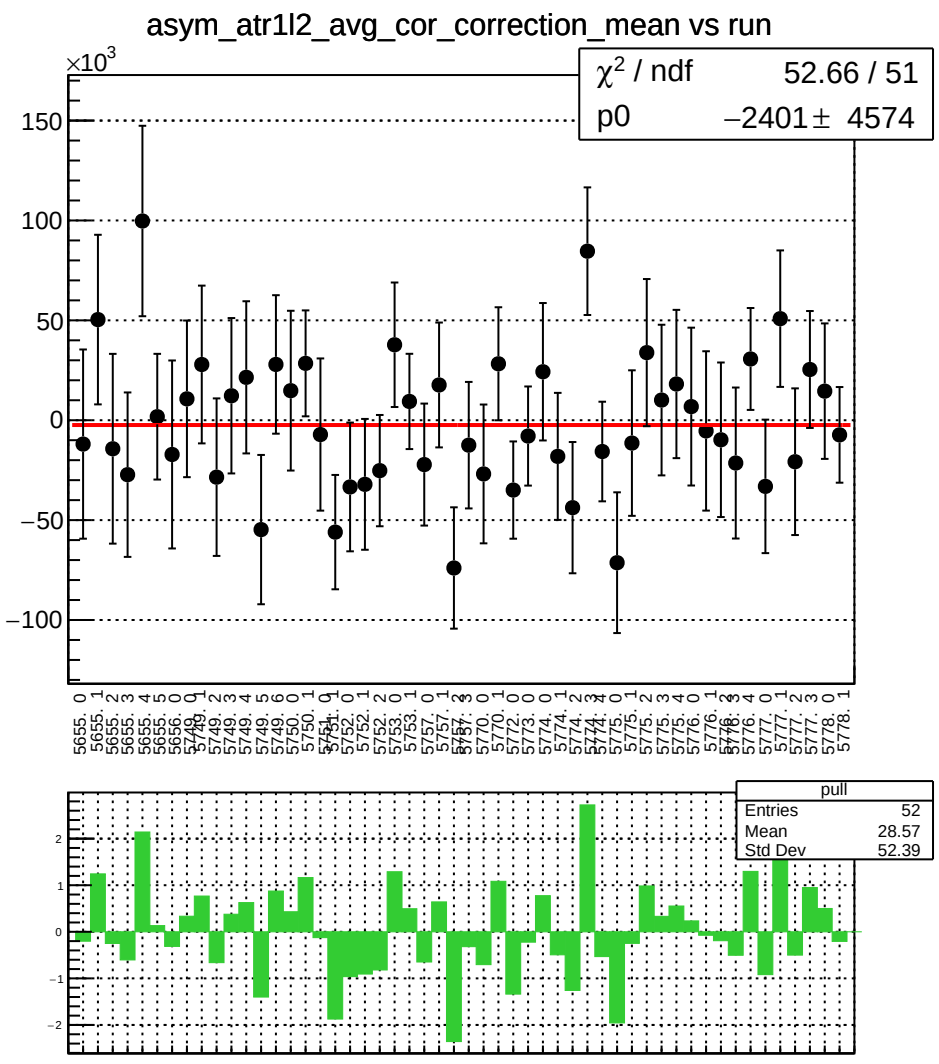
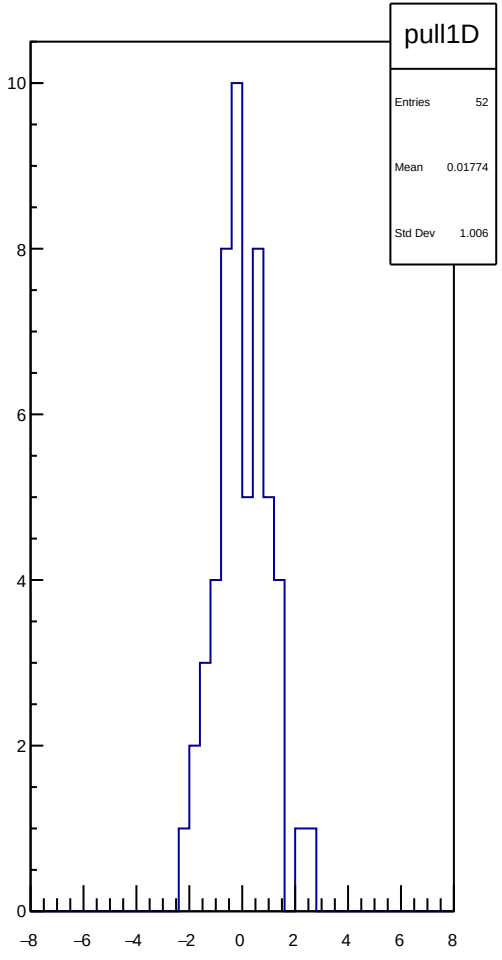
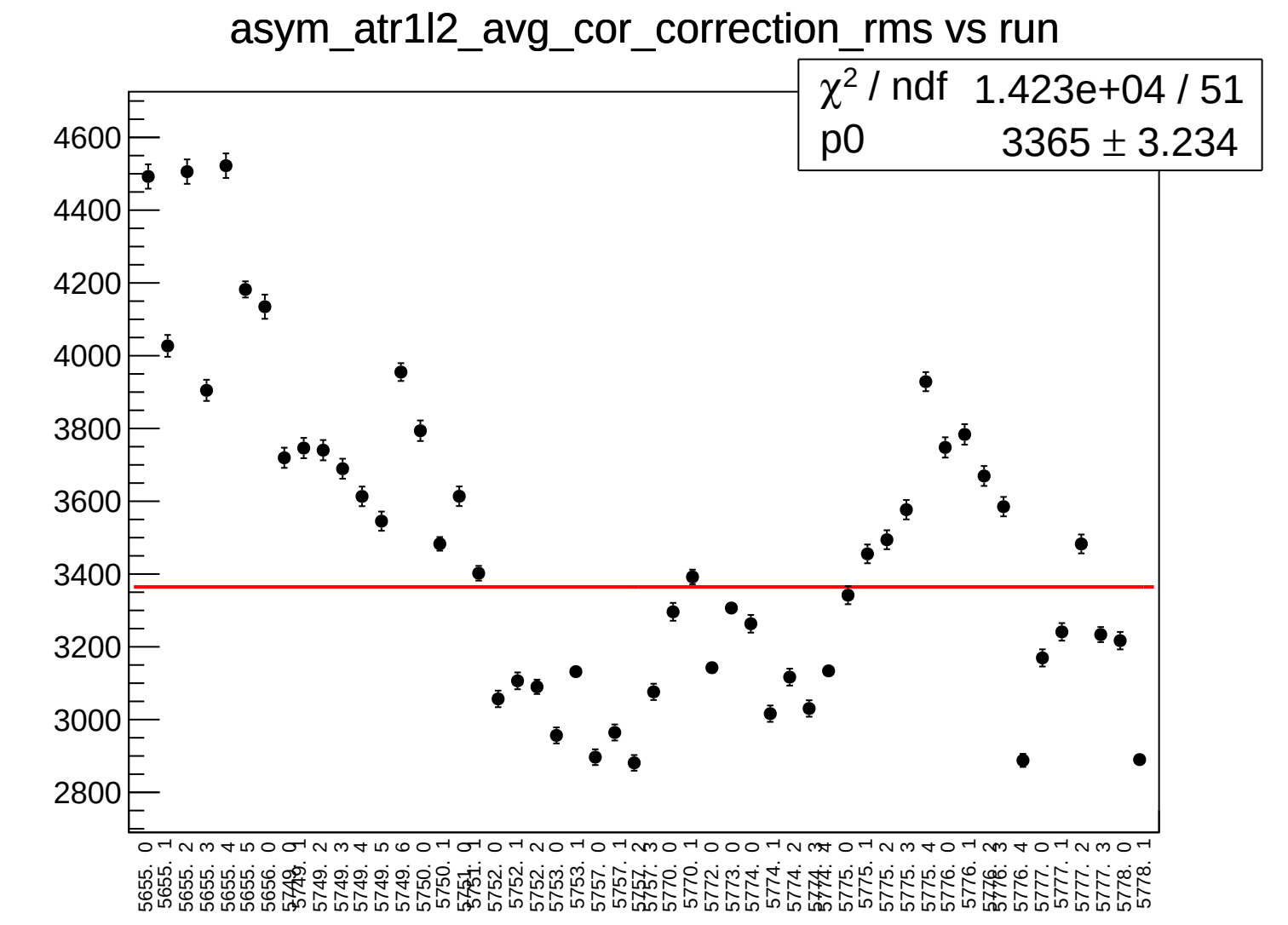
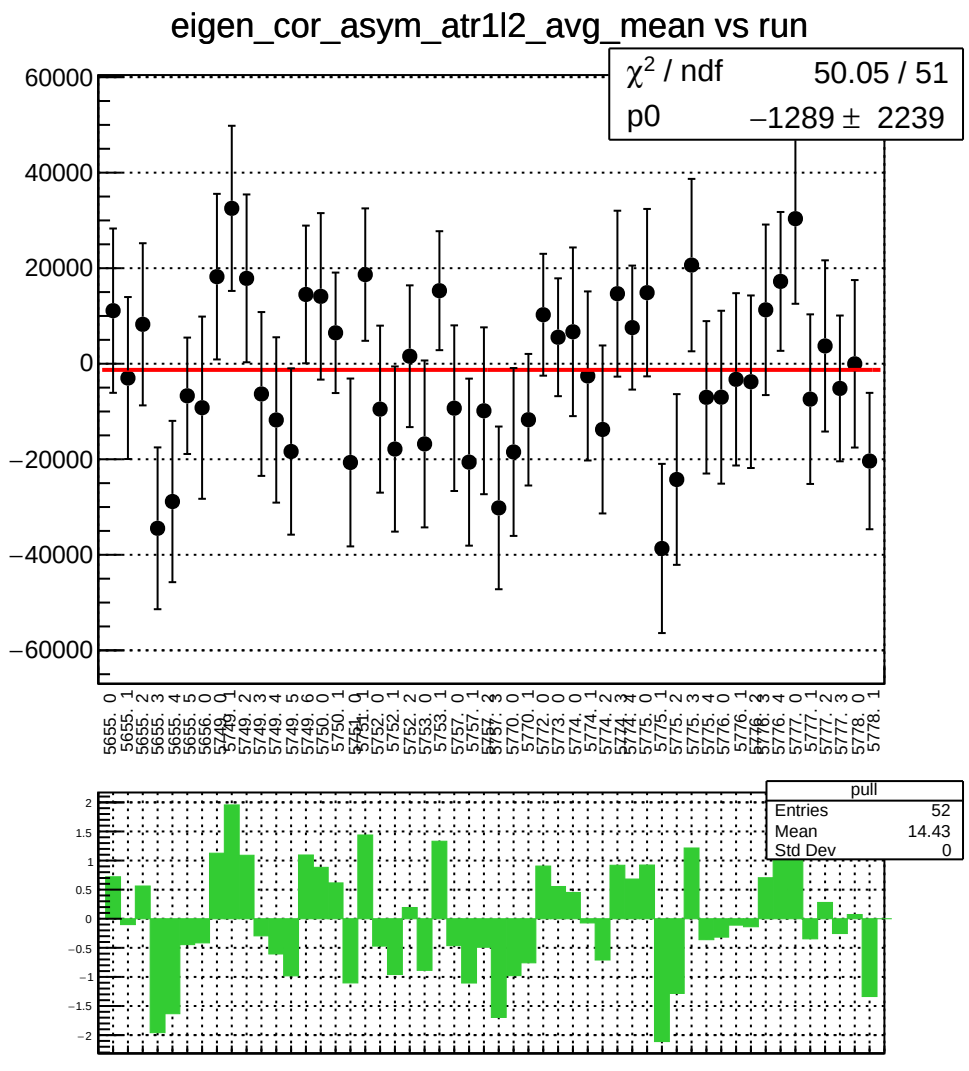
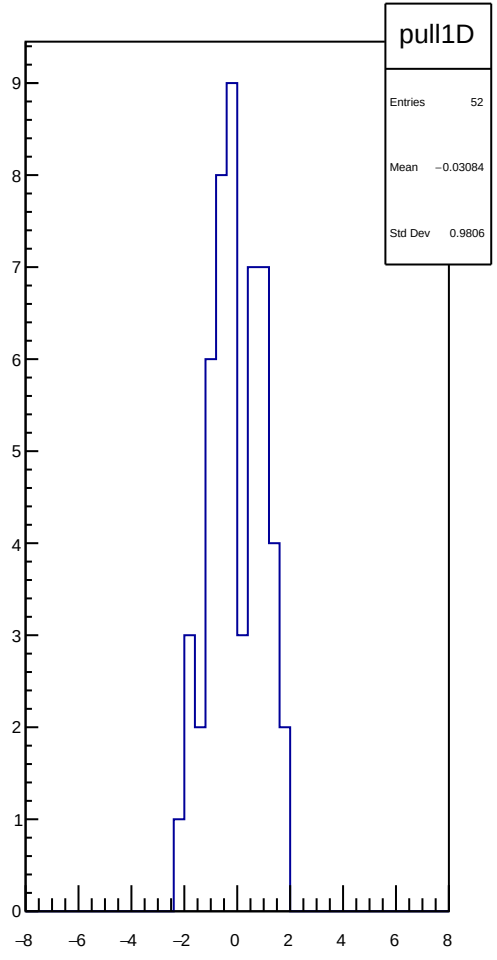
5777. 3
5778. 0
5778. 1

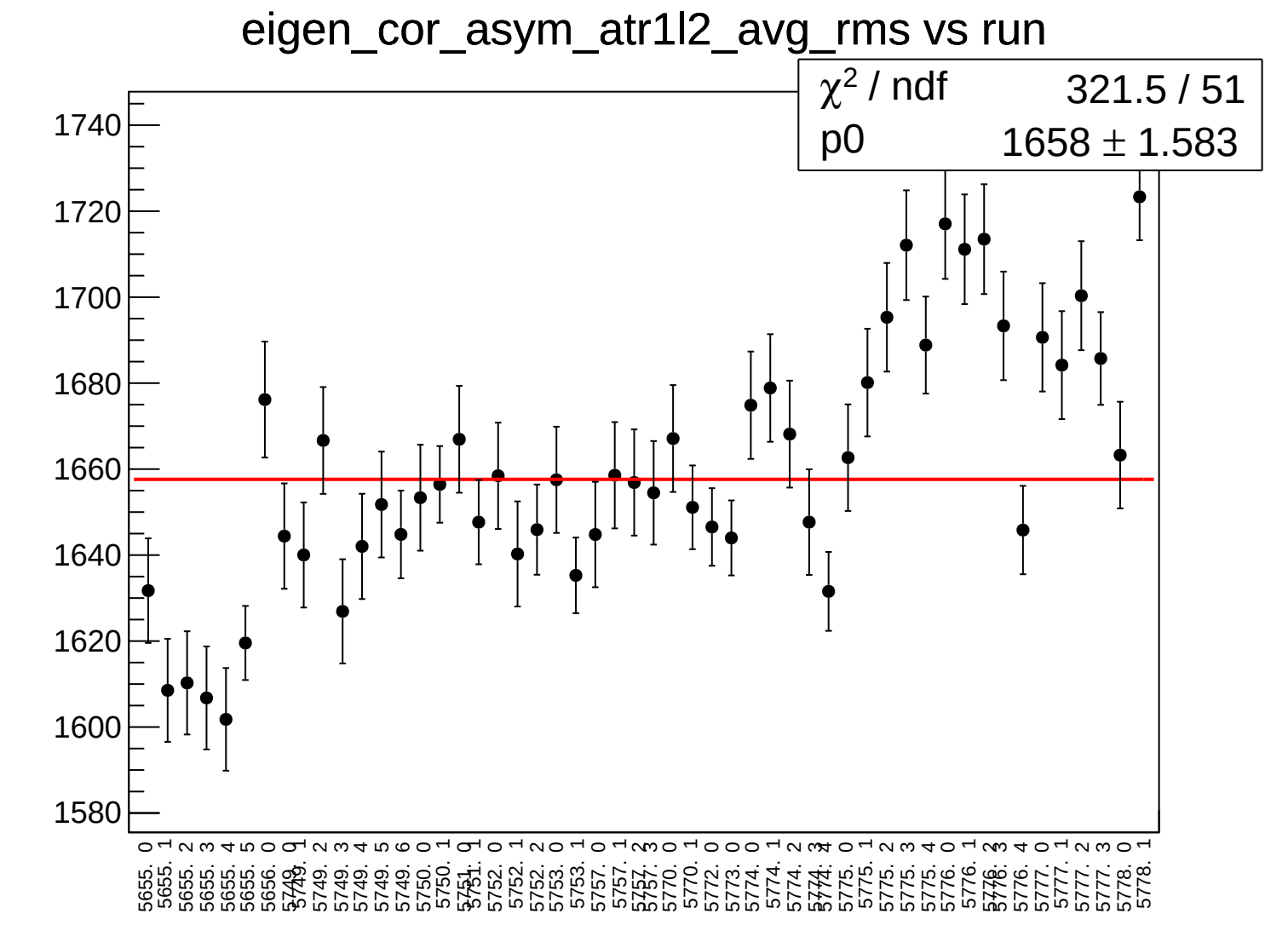

asym_atr1l2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 52.66 / 51
p0 −2401 ± 4574
150
100
50
0
−50
−100
pull
Entries 52
Mean 28.57
Std Dev 52.39
2
1
0
−1
−2

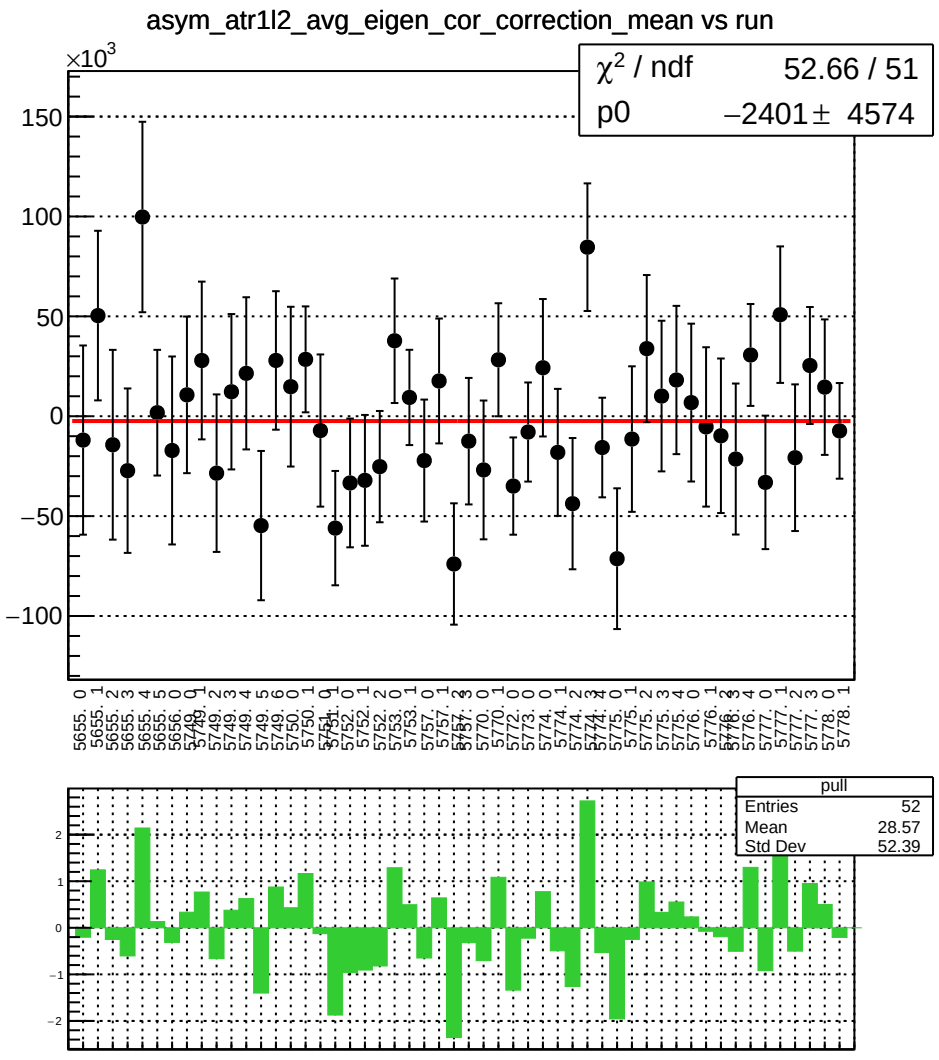

pull1D
Entries 52
Mean 0.01774
Std Dev 1.006
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

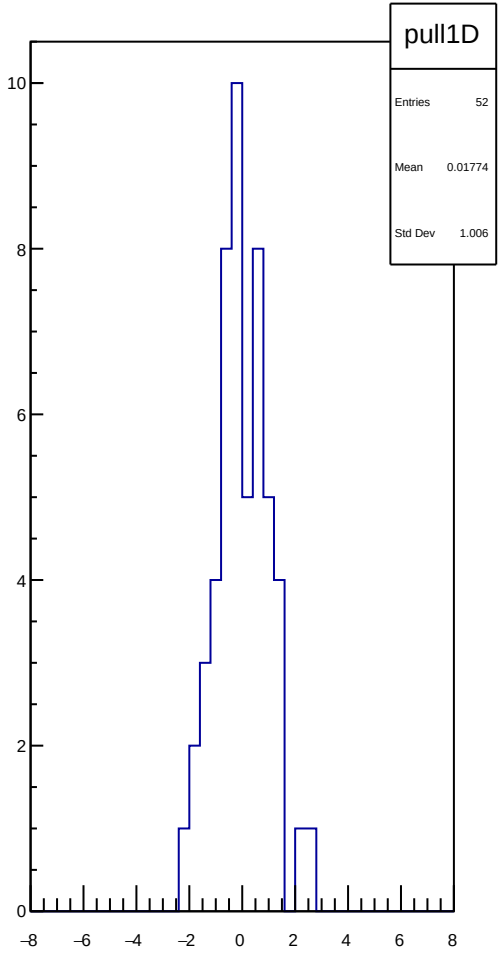

asym_atr1l2_avg_cor_correction_rms vs run
χ² / ndf 1.423e+04 / 51
p0 3365 ± 3.234
4600
4400
4200
4000
3800
3600
3400
3200
3000
2800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

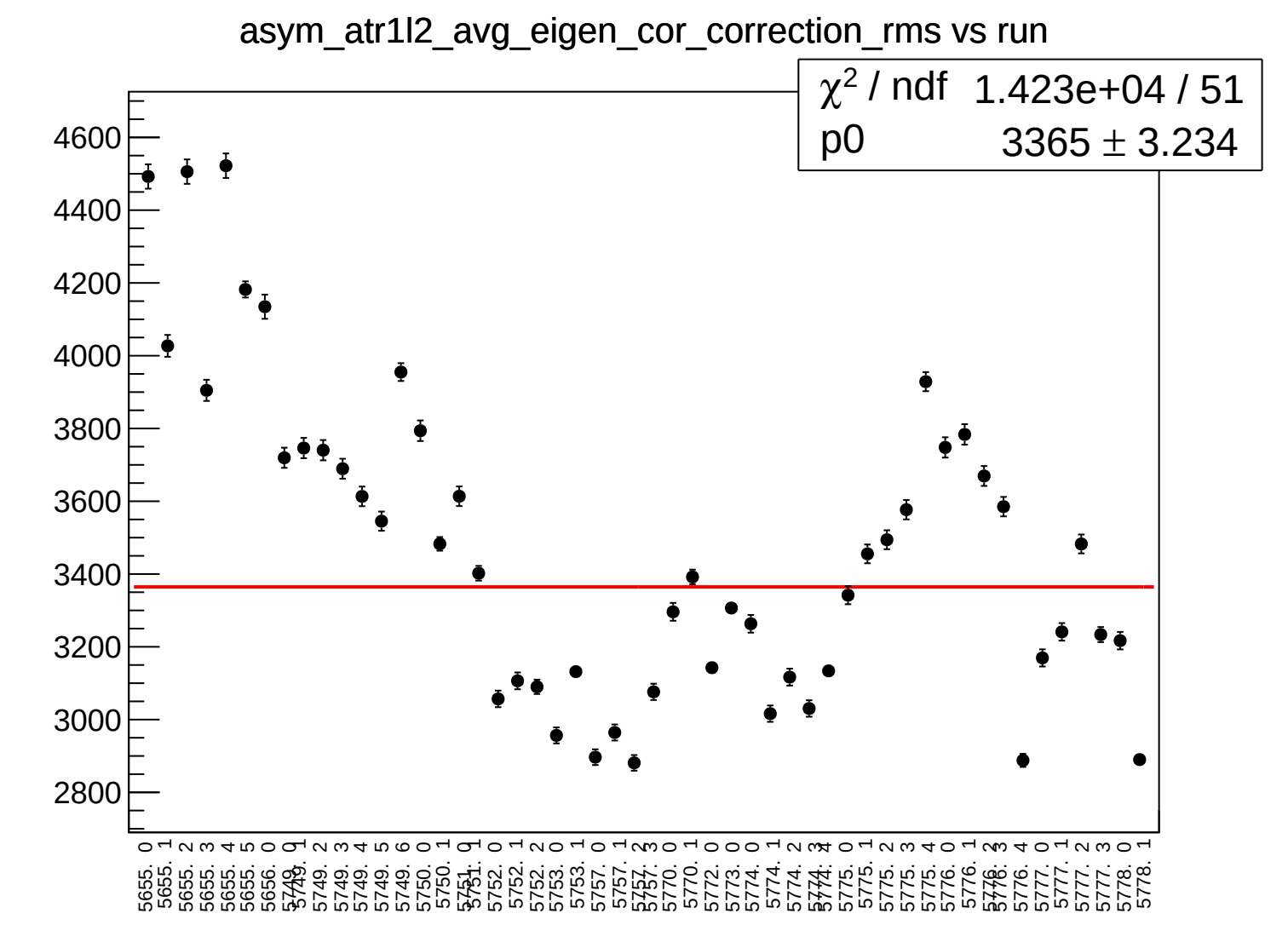

eigen_cor_asym_atr1l2_avg_mean vs run
χ² / ndf 50.05 / 51
p0 −1289 ± 2239
pull
Entries 52
Mean 14.43
Std Dev 0


pull1D
Entries 52
Mean −0.03084
Std Dev 0.9806


eigen_cor_asym_atr1l2_avg_rms vs run
χ² / ndf 321.5 / 51
p0 1658 ± 1.583
1740
1720
1700
1680
1660
1640
1620
1600
1580
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atr1l2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 52.66 / 51
p0 −2401 ± 4574
150
100
50
0
−50
−100
pull
Entries 52
Mean 28.57
Std Dev 52.39
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01774
Std Dev 1.006
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1l2_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.423e+04 / 51
p0 3365 ± 3.234
4600
4400
4200
4000
3800
3600
3400
3200
3000
2800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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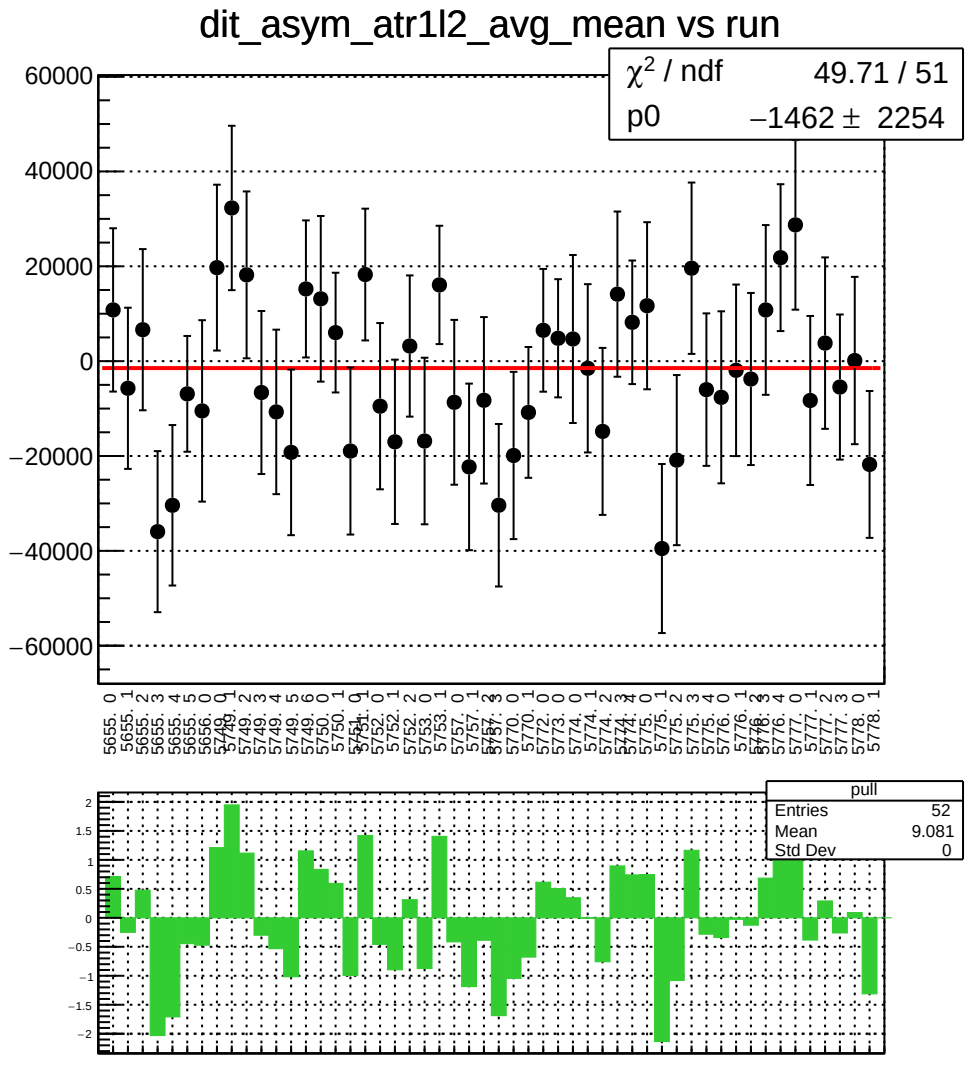
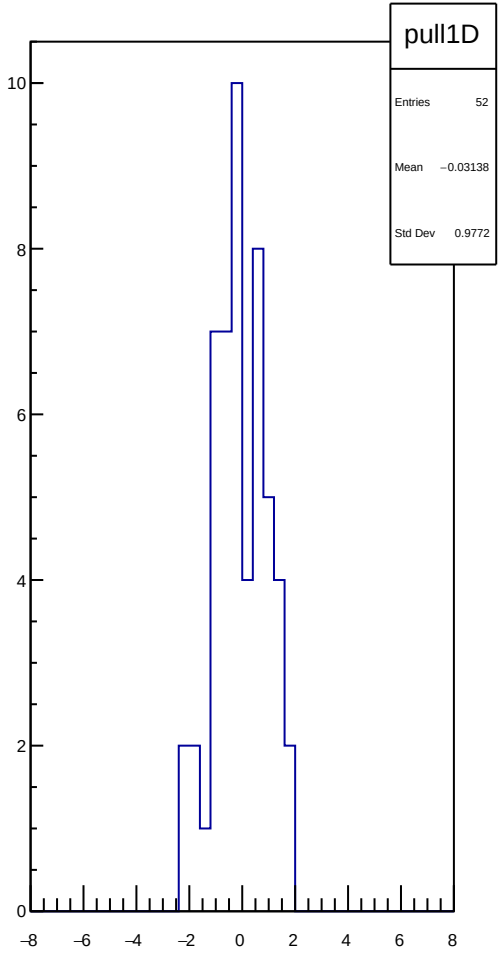
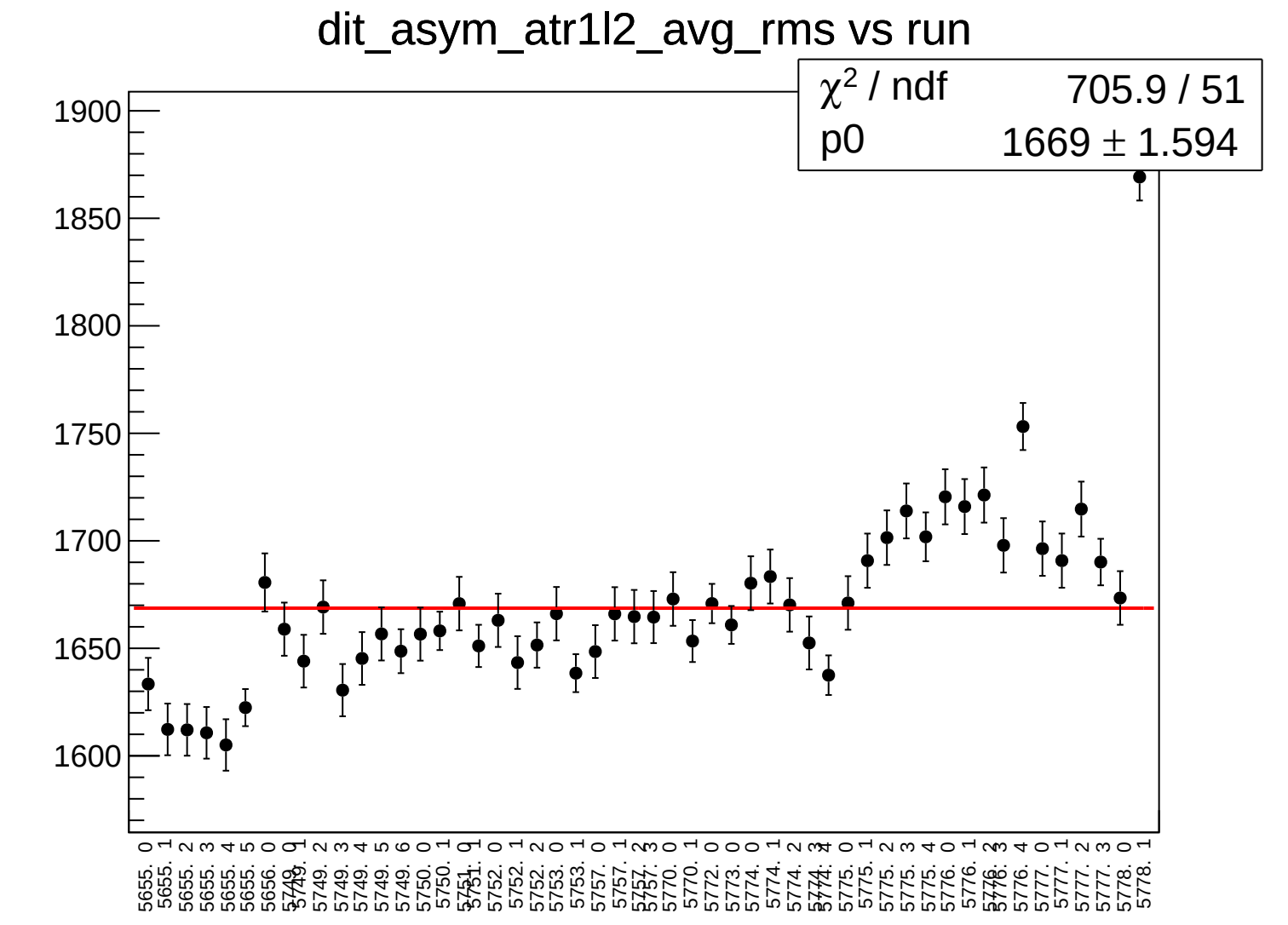
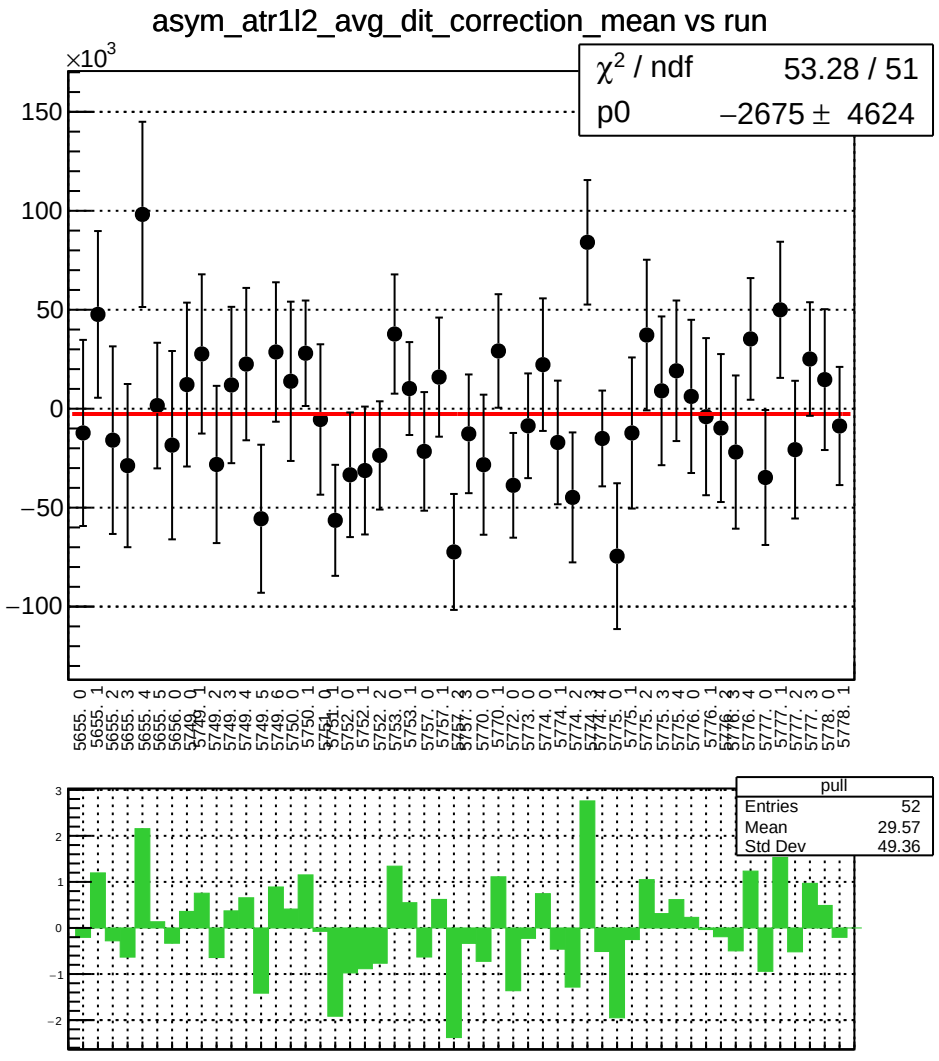
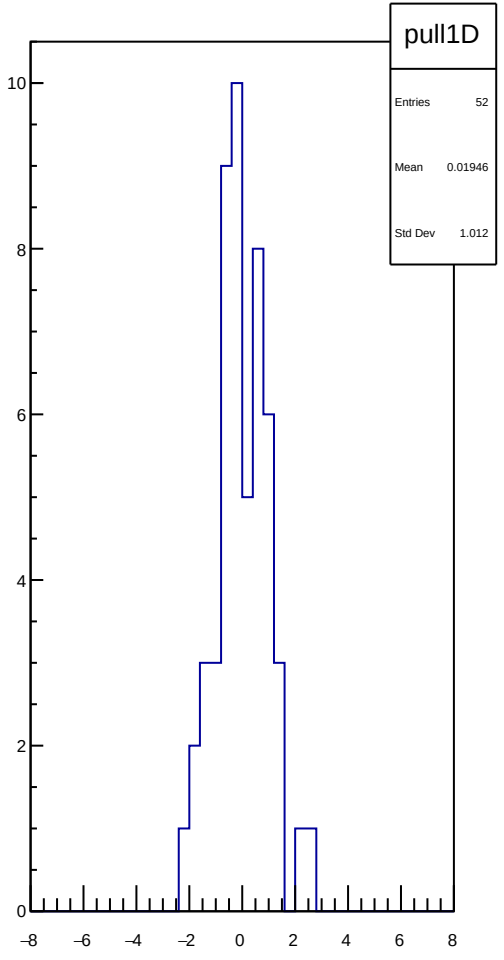
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

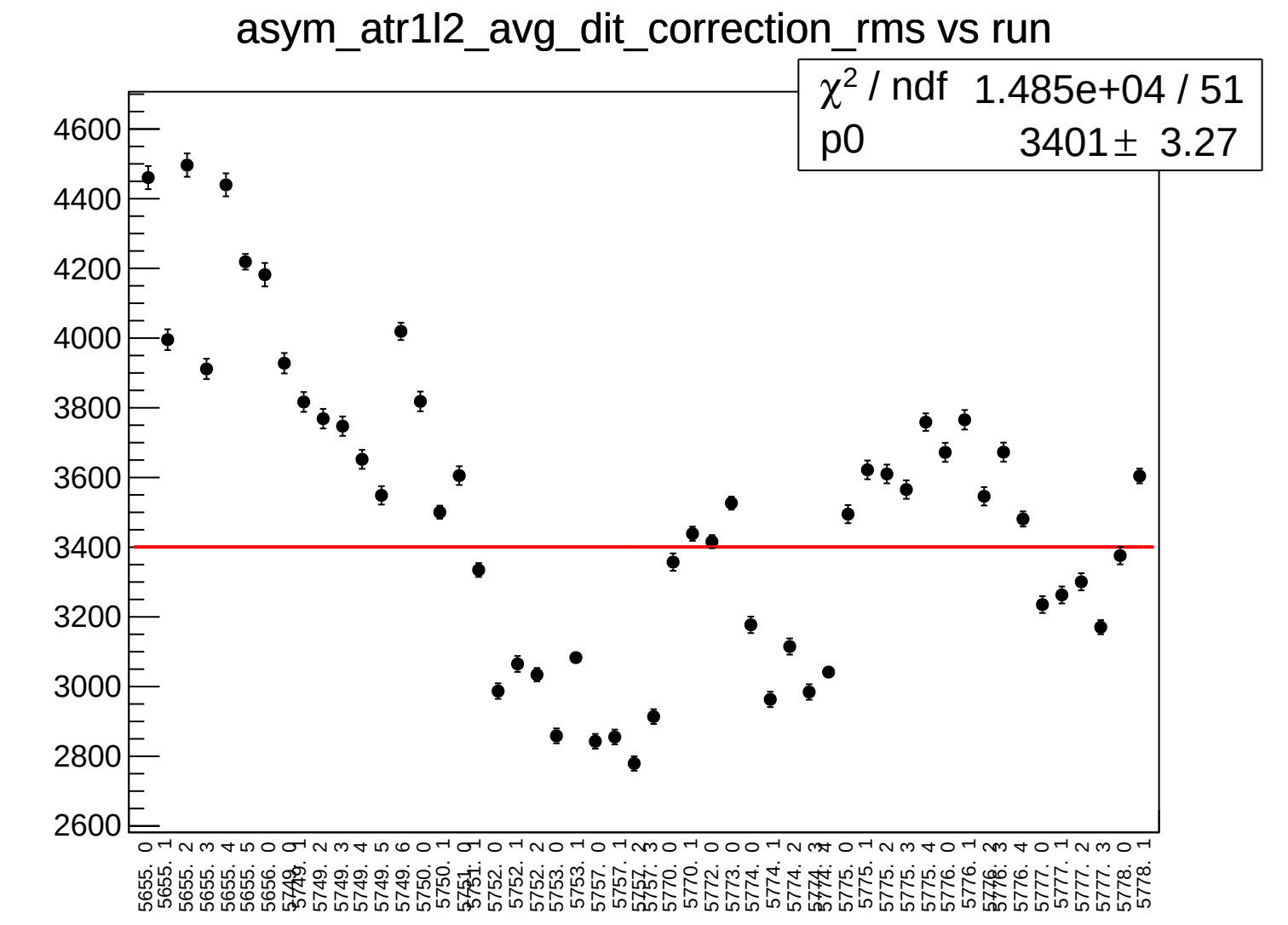

dit_asym_atr1l2_avg_mean vs run
χ² / ndf 49.71 / 51
p0 −1462 ± 2254
pull
Entries 52
Mean 9.081
Std Dev 0

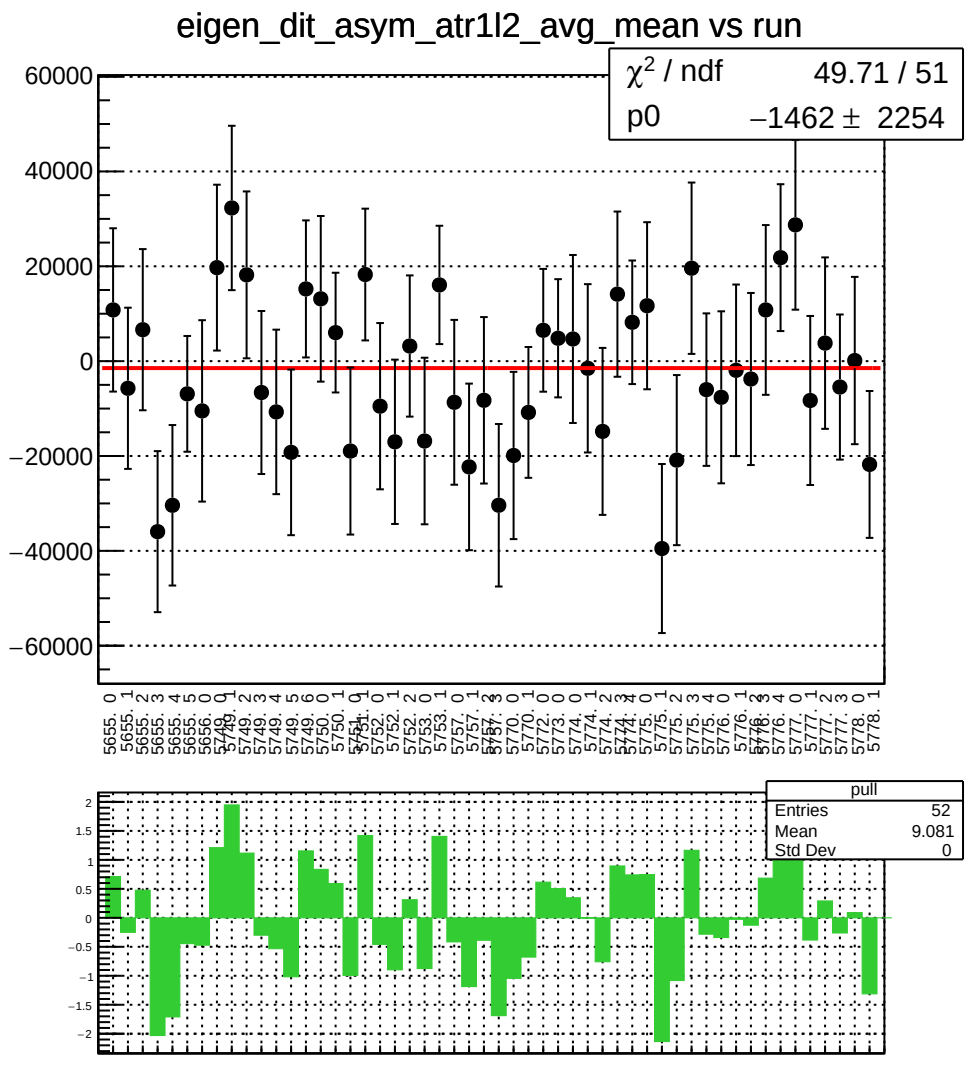

pull1D
Entries 52
Mean −0.03138
Std Dev 0.9772

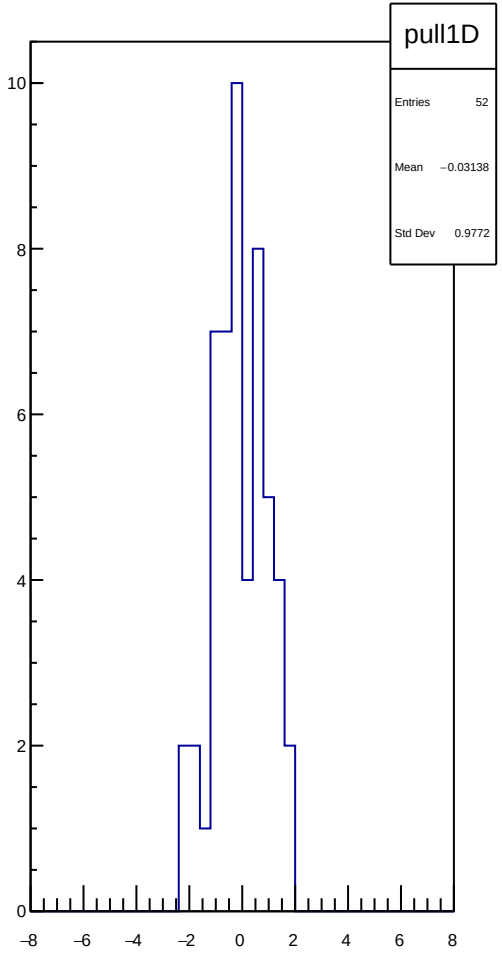

dit_asym_atr1l2_avg_rms vs run
χ² / ndf 705.9 / 51
p0 1669 ± 1.594
1900
1850
1800
1750
1700
1650
1600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

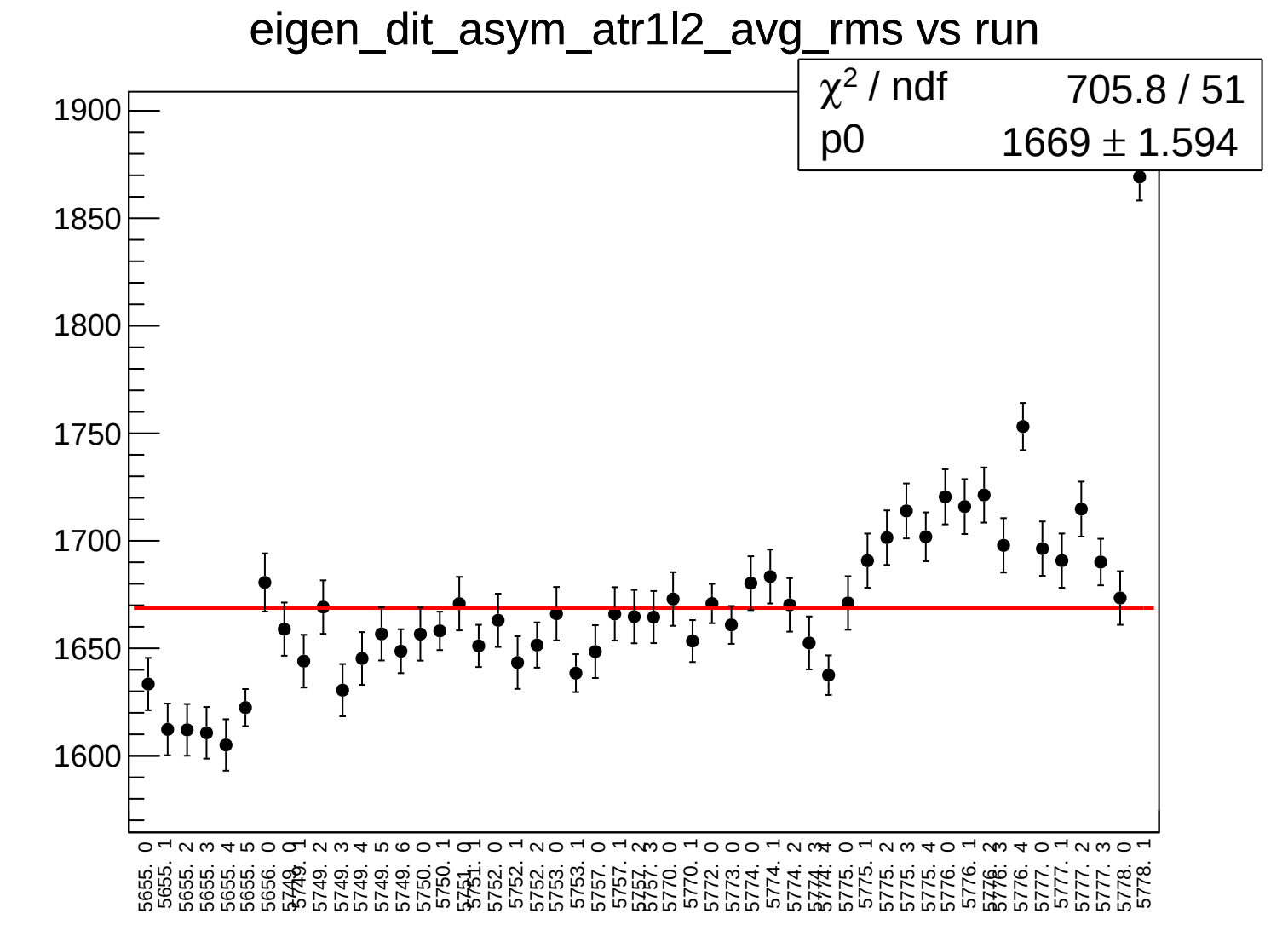

asym_atr1l2_avg_dit_correction_mean vs run
χ² / ndf 53.28 / 51
p0 −2675 ± 4624
pull
Entries 52
Mean 29.57
Std Dev 49.36

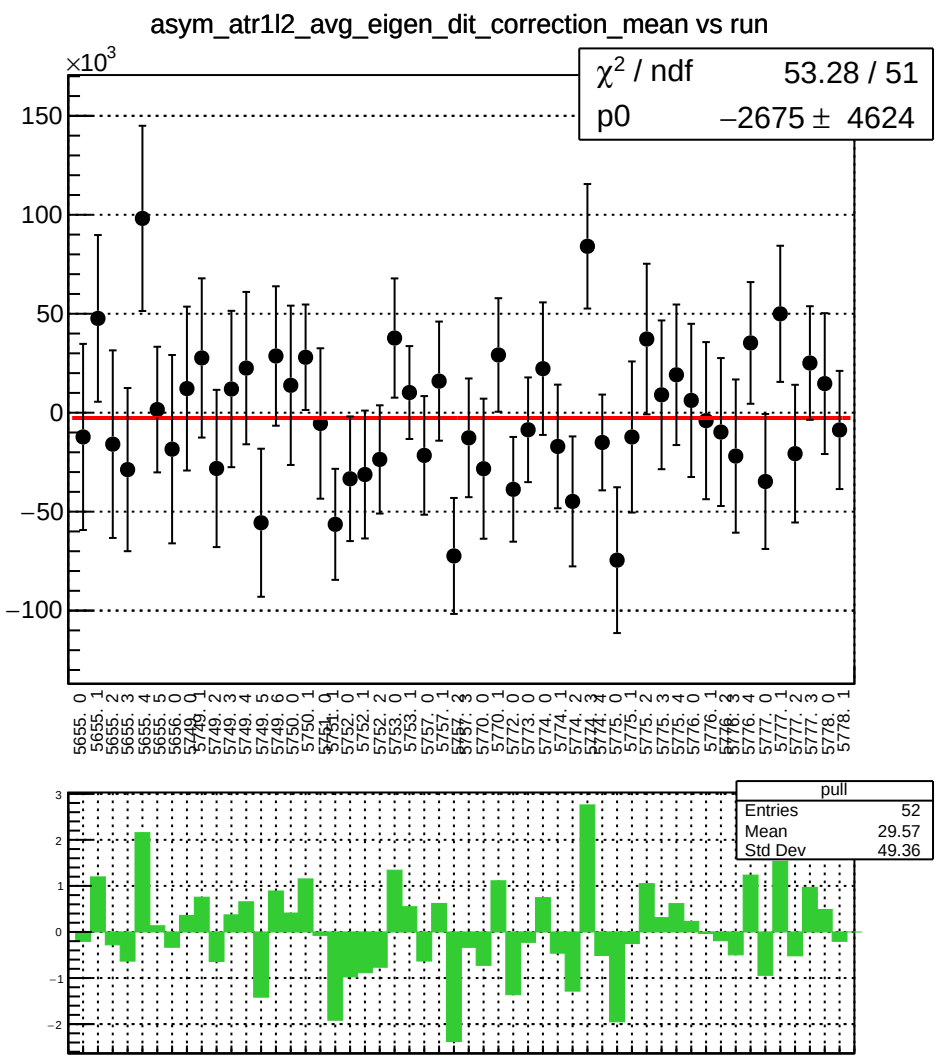

pull1D
Entries 52
Mean 0.01946
Std Dev 1.012

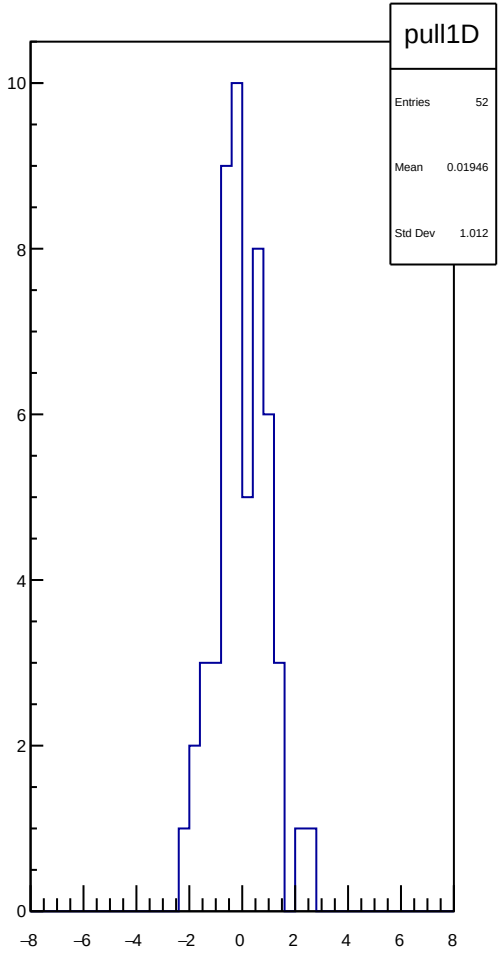

asym_atr1l2_avg_dit_correction_rms vs run
χ² / ndf 1.485e+04 / 51
p0 3401 ± 3.27
4600
4400
4200
4000
3800
3600
3400
3200
3000
2800
2600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

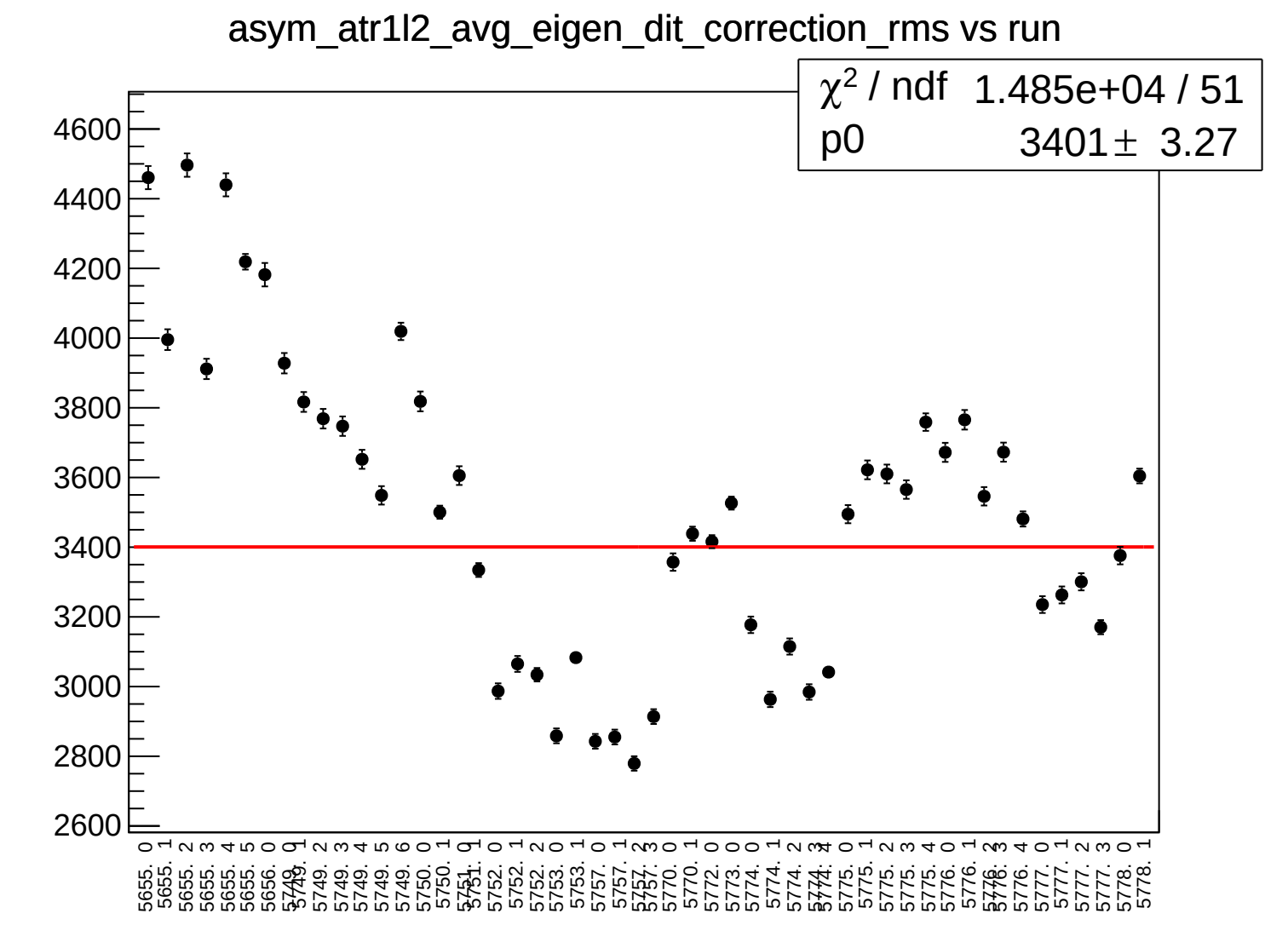

eigen_dit_asym_atr1l2_avg_mean vs run
χ² / ndf 49.71 / 51
p0 −1462 ± 2254
pull
Entries 52
Mean 9.081
Std Dev 0


pull1D
Entries 52
Mean −0.03138
Std Dev 0.9772


eigen_dit_asym_atr1l2_avg_rms vs run
χ² / ndf 705.8 / 51
p0 1669 ± 1.594
1900
1850
1800
1750
1700
1650
1600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atr1l2_avg_eigen_dit_correction_mean vs run
χ² / ndf 53.28 / 51
p0 −2675 ± 4624
×10³
150
100
50
0
−50
−100
pull
Entries 52
Mean 29.57
Std Dev 49.36
3
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01946
Std Dev 1.012
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1l2_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.485e+04 / 51
p0 3401 ± 3.27
4600
4400
4200
4000
3800
3600
3400
3200
3000
2800
2600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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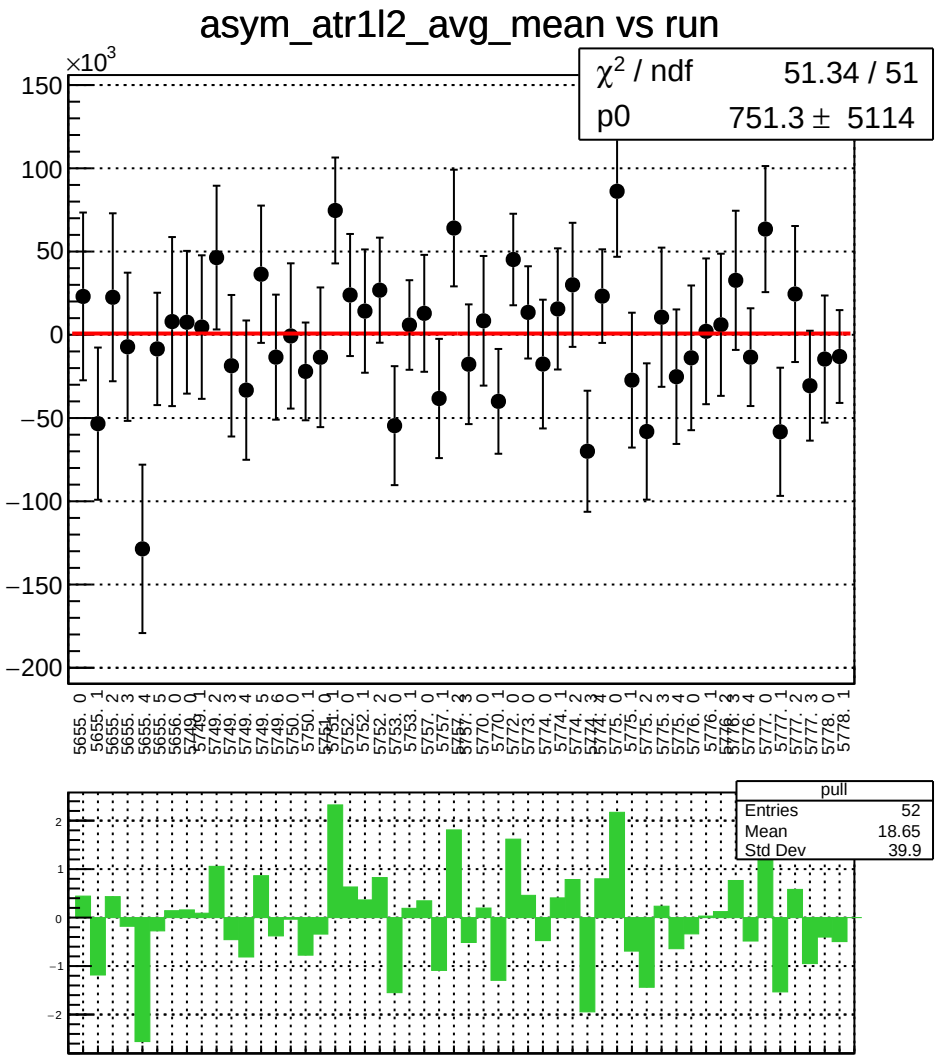
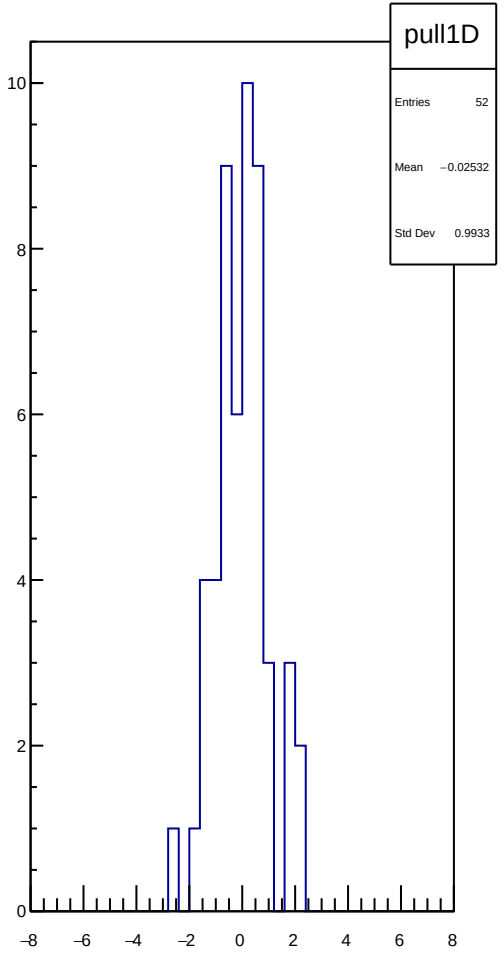
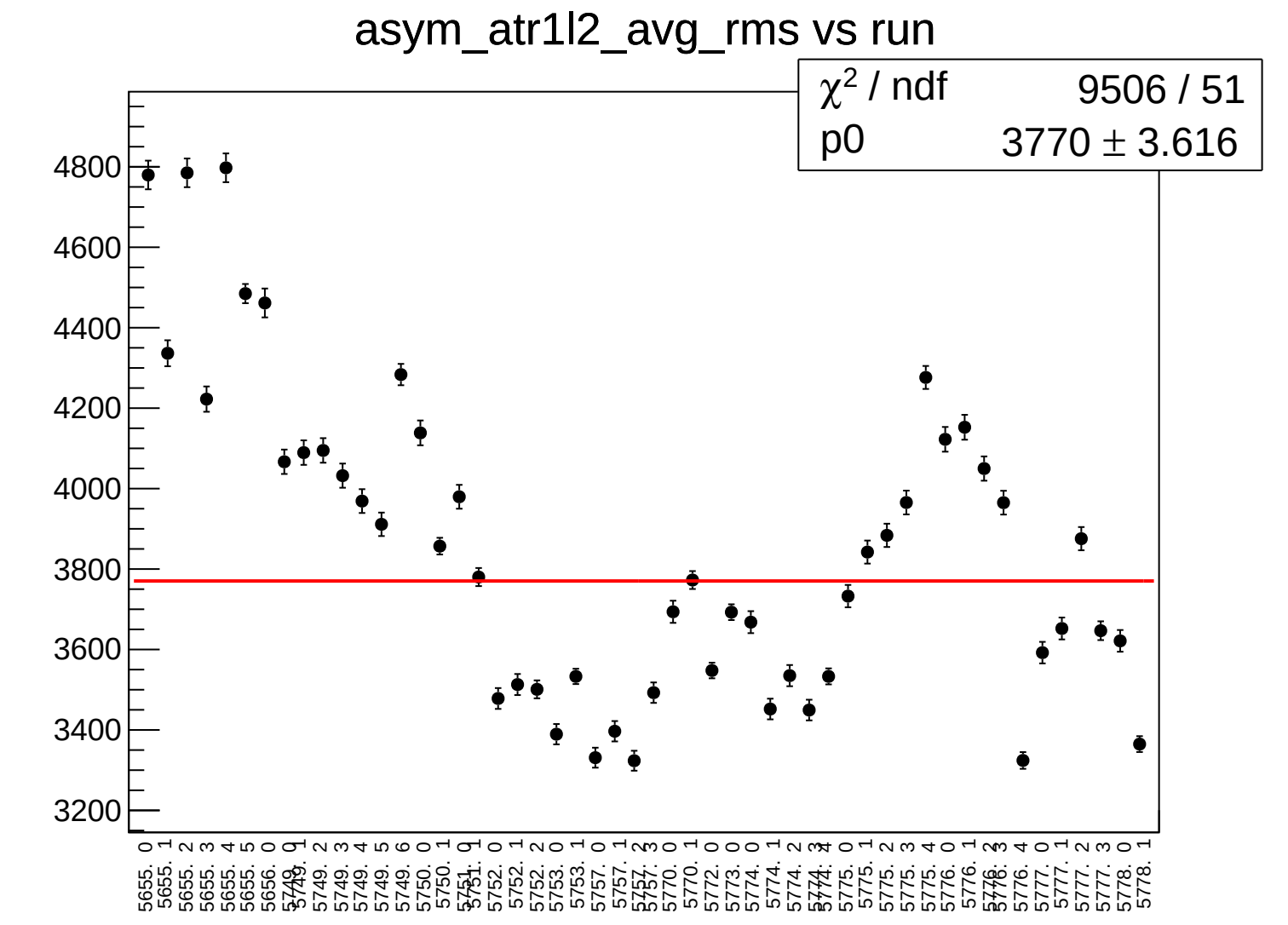
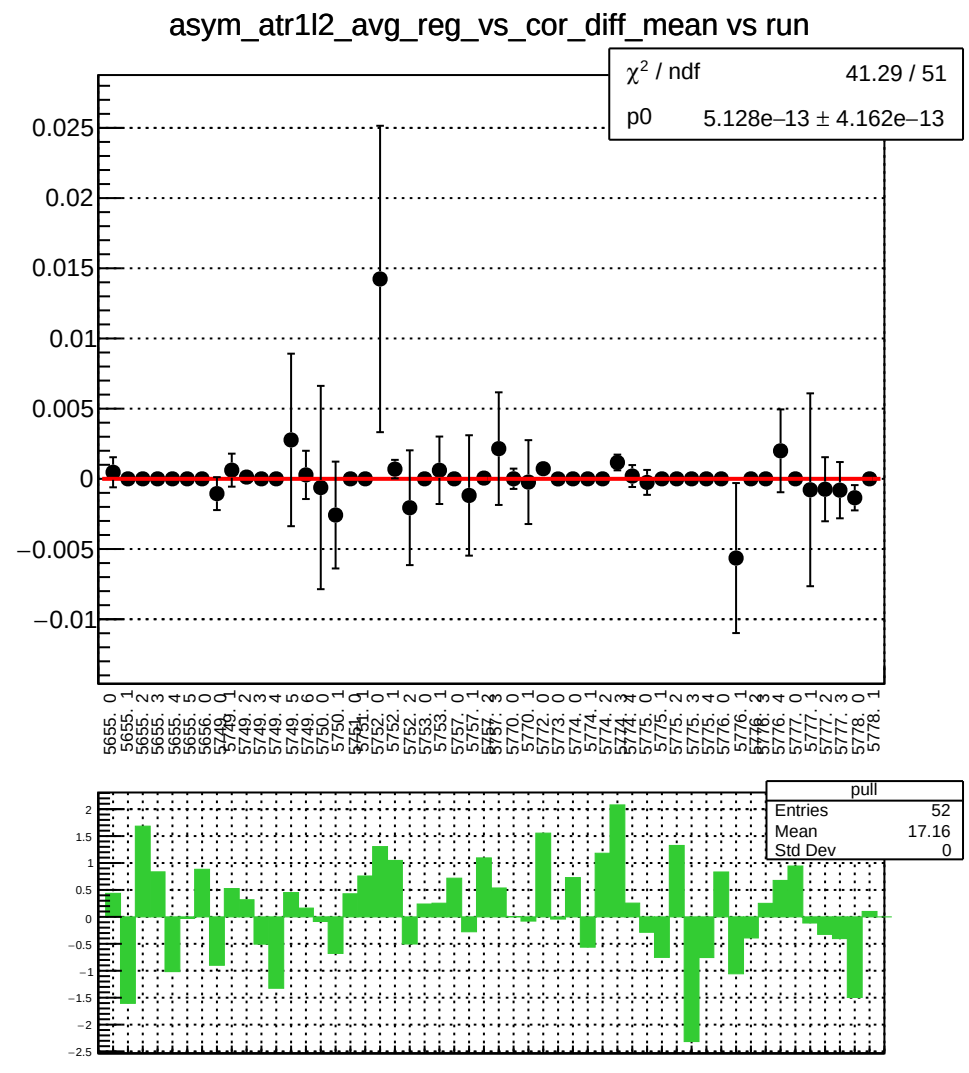
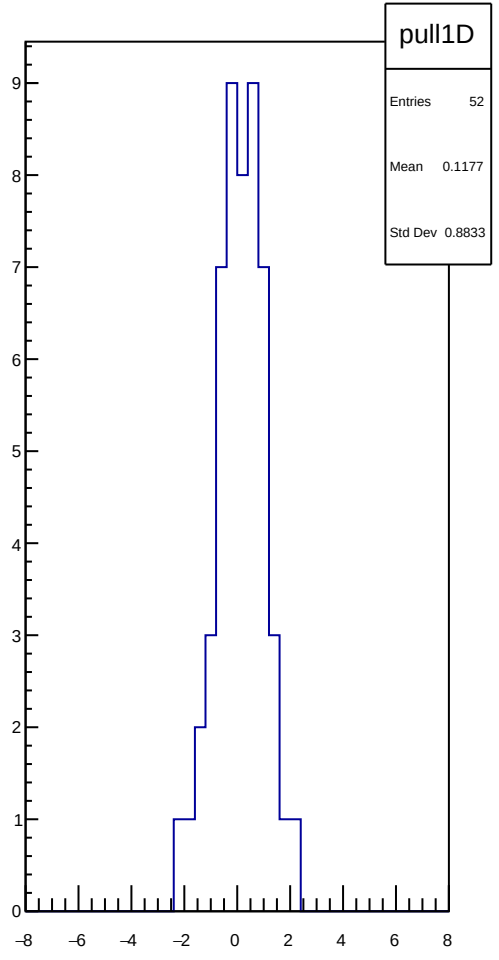
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

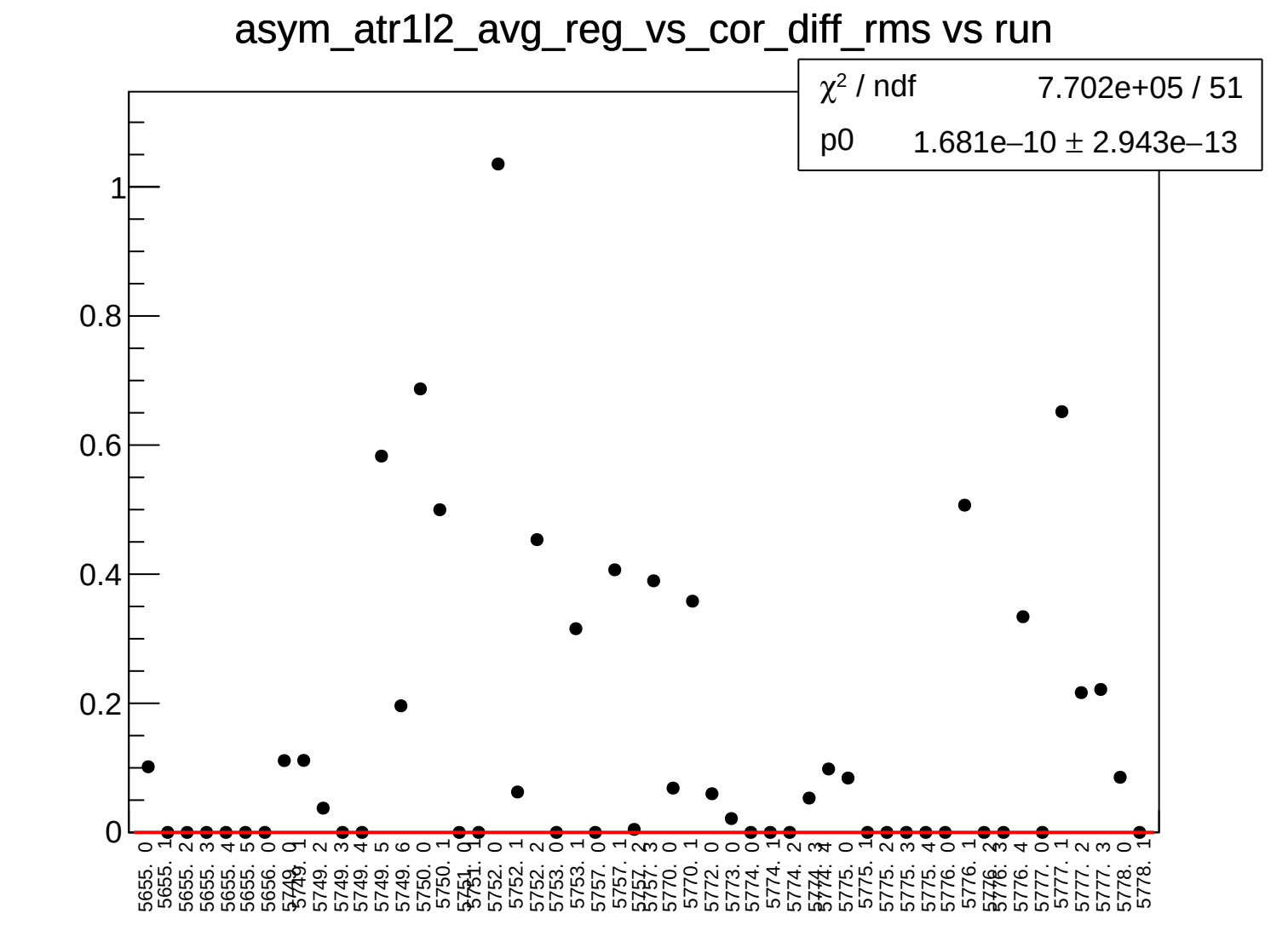

asym_atr1l2_avg_mean vs run
×10^3
χ^2 / ndf 51.34 / 51
p0 751.3 ± 5114
150
100
50
0
−50
−100
−150
−200
pull
Entries 52
Mean 18.65
Std Dev 39.9
2
1
0
−1
−2

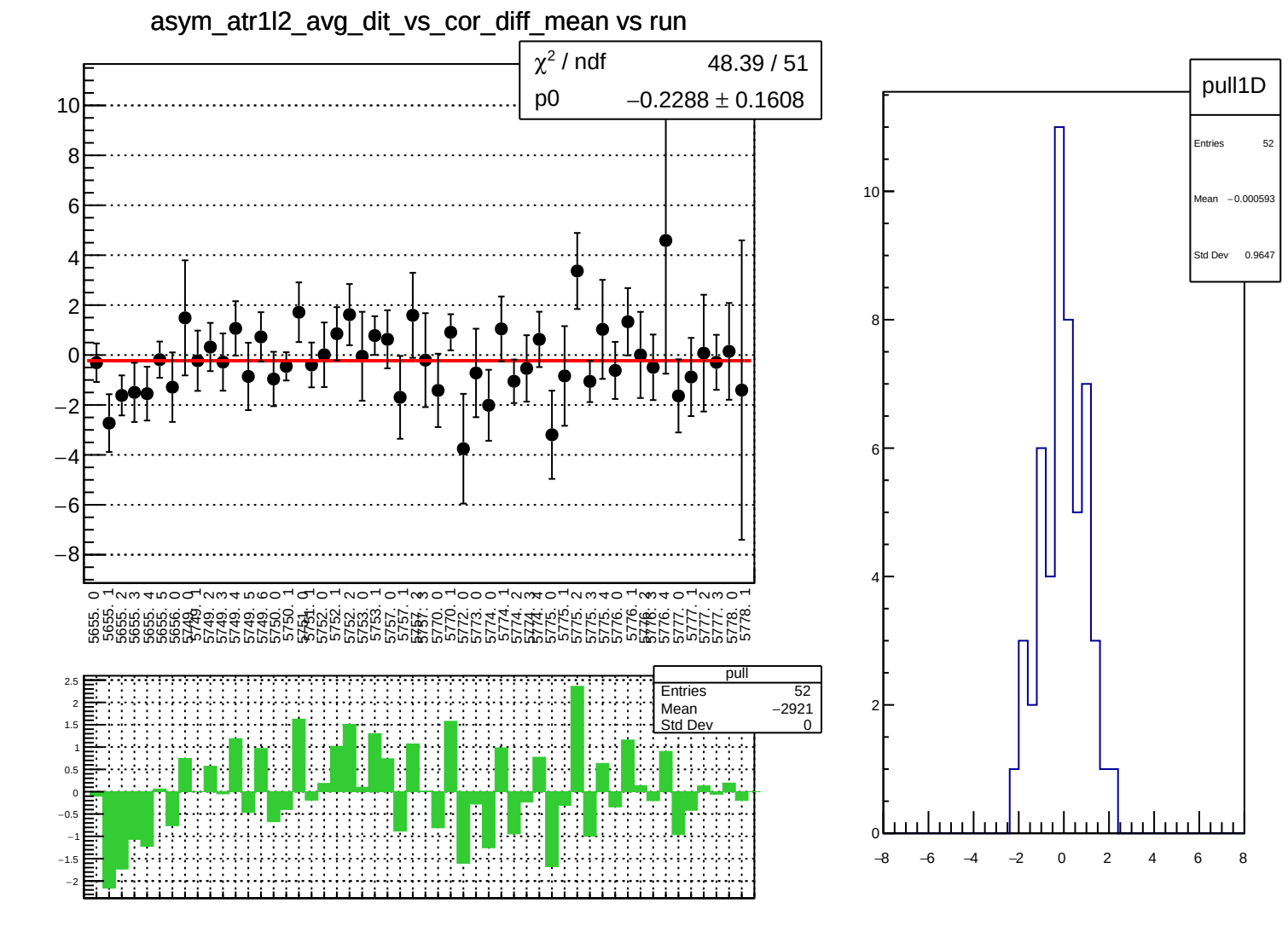

pull1D
Entries 52
Mean −0.02532
Std Dev 0.9933
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

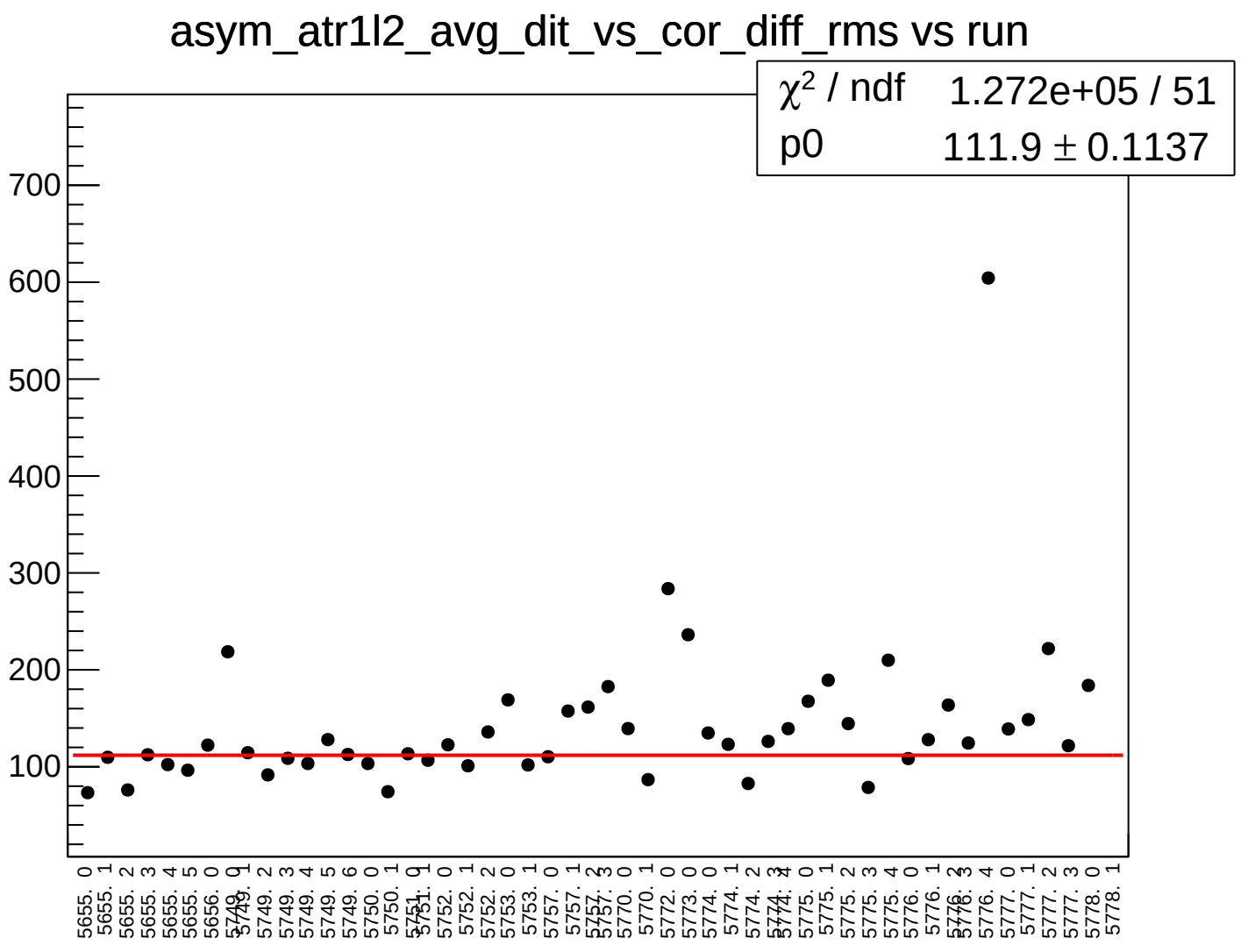

asym_atr1l2_avg_rms vs run
χ² / ndf 9506 / 51
p0 3770 ± 3.616
4800
4600
4400
4200
4000
3800
3600
3400
3200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

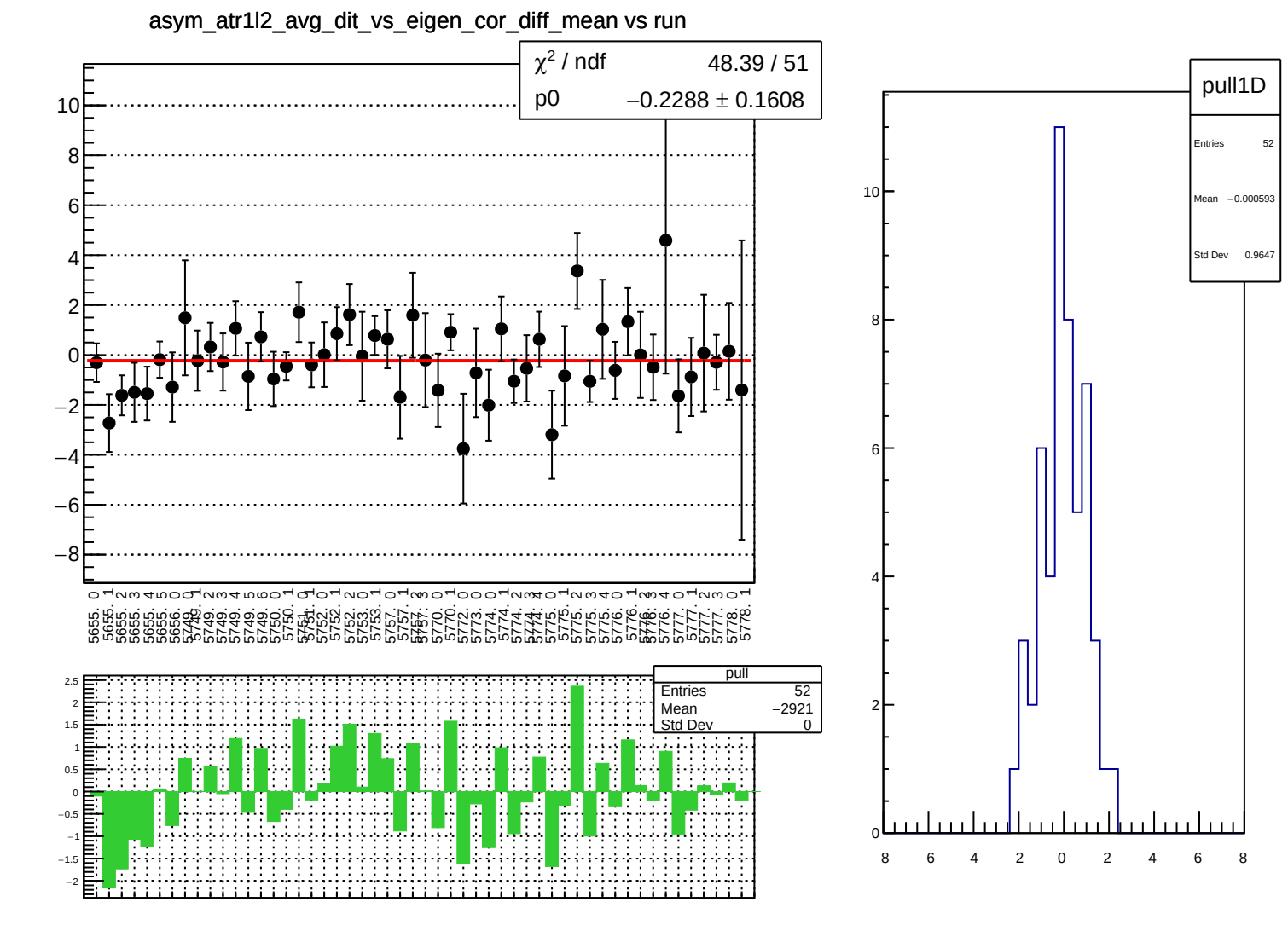

asym_atr1l2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 41.29 / 51
p0 5.128e−13 ± 4.162e−13
pull
Entries 52
Mean 17.16
Std Dev 0

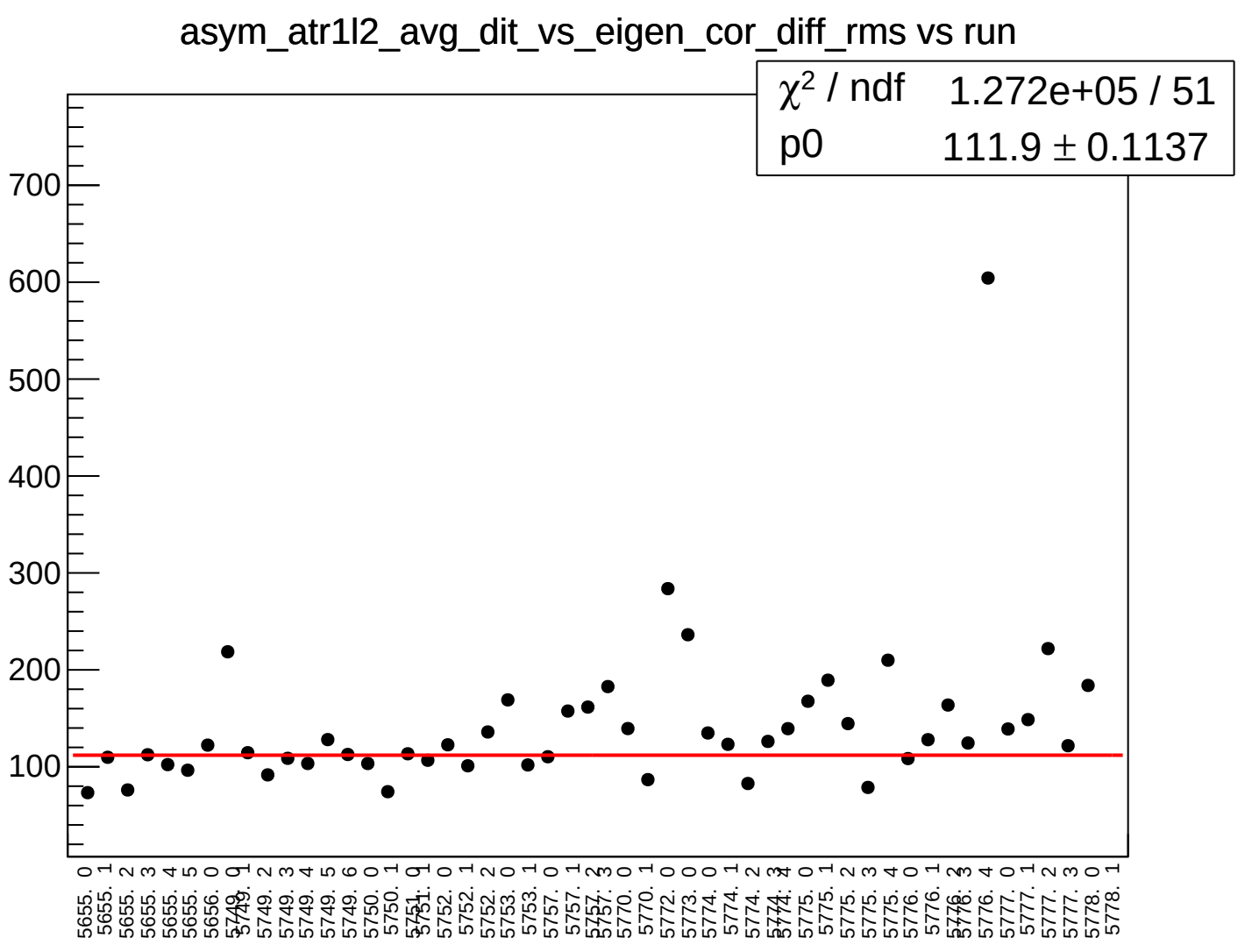

pull1D
Entries 52
Mean 0.1177
Std Dev 0.8833

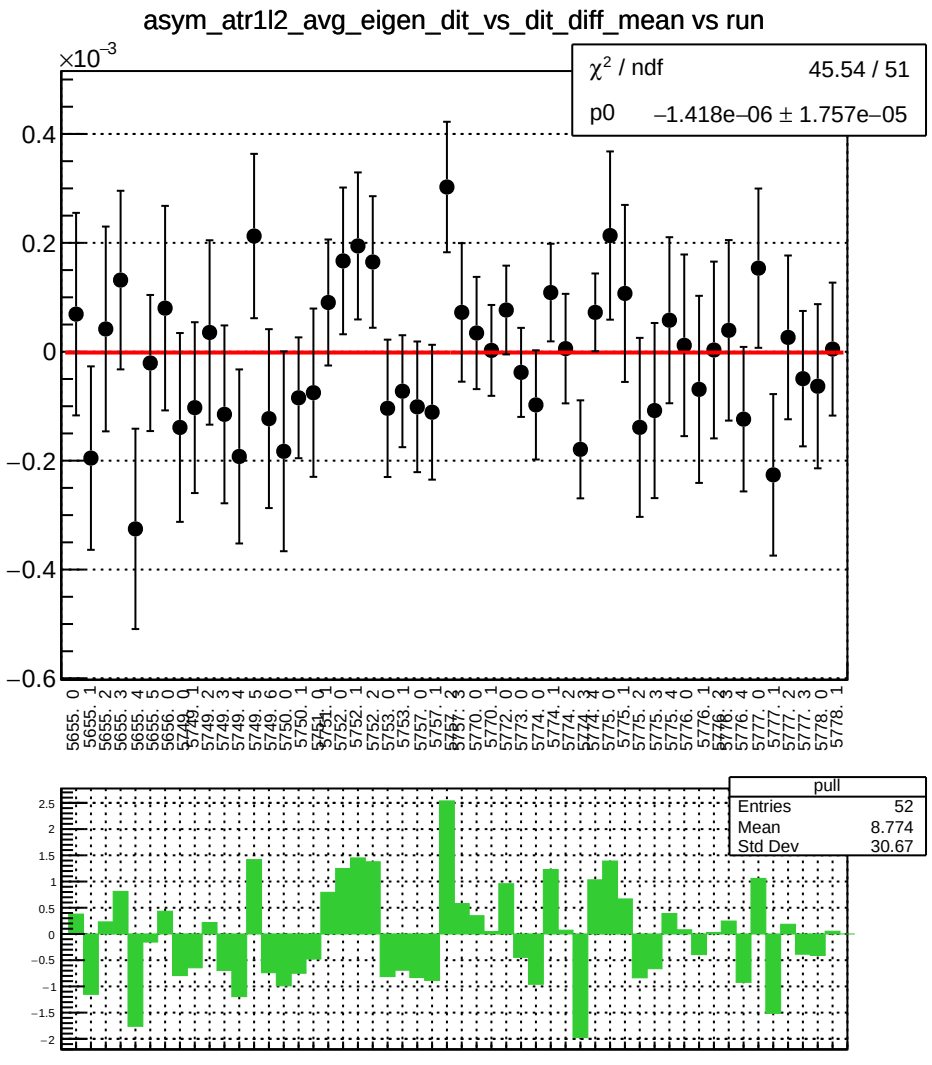

asym_atr1l2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.702e+05 / 51
p0 1.681e−10 ± 2.943e−13
1
0.8
0.6
0.4
0.2
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

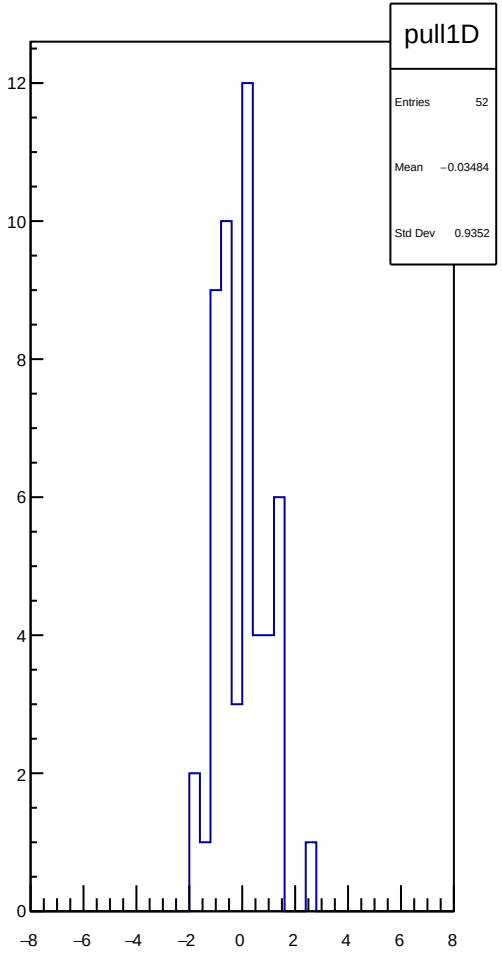

asym_atr1l2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 48.39 / 51
p0 −0.2288 ± 0.1608
pull
Entries 52
Mean −2921
Std Dev 0
pull1D
Entries 52
Mean −0.000593
Std Dev 0.9647

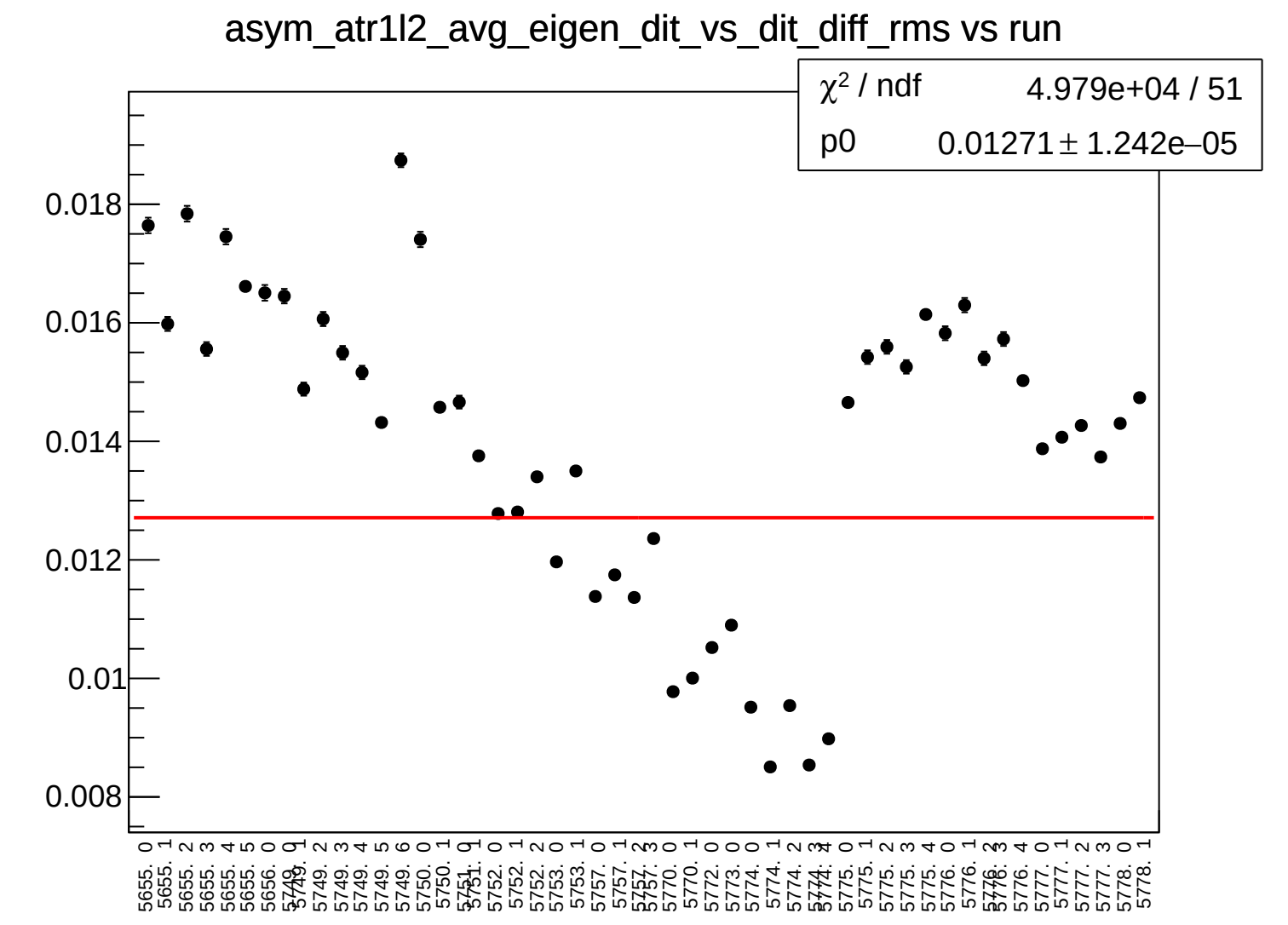

asym_atr1l2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.272e+05 / 51
p0 111.9 ± 0.1137
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

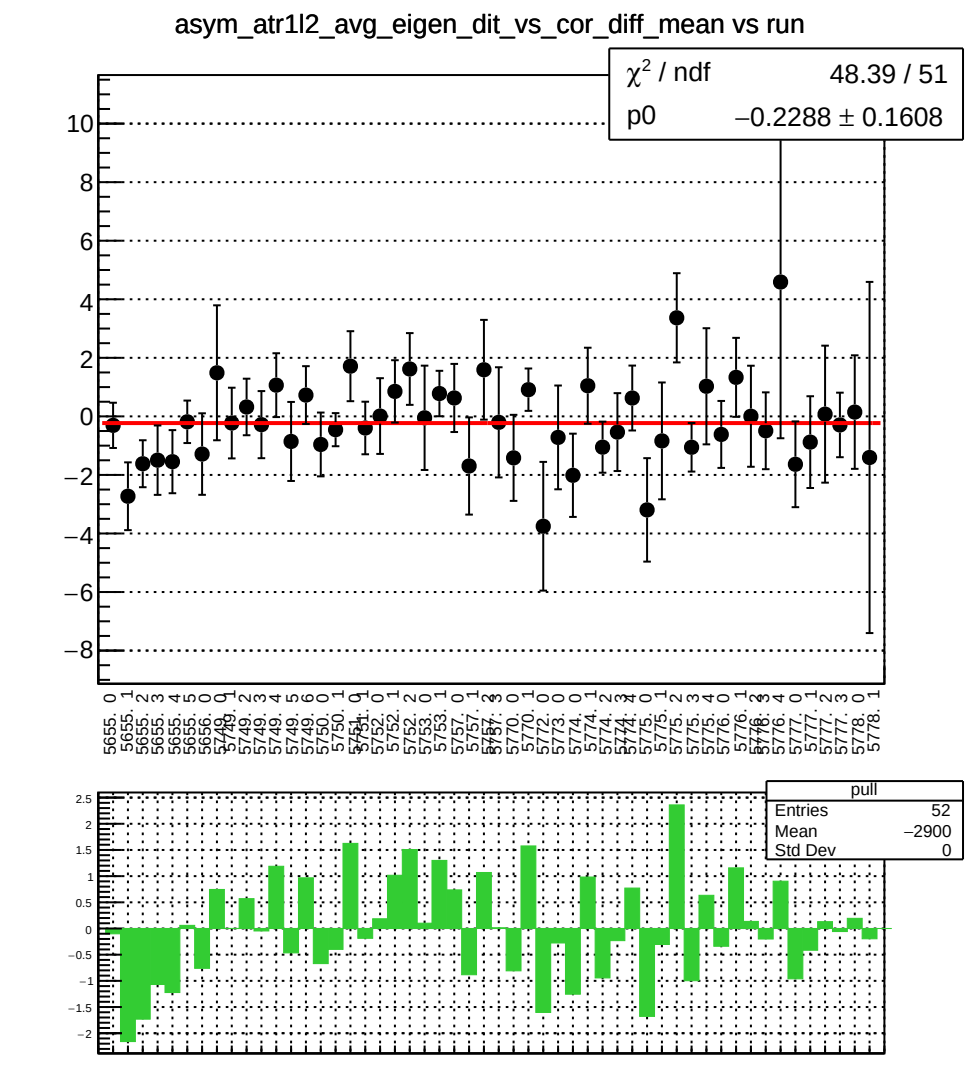

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.39 / 51
p0 −0.2288 ± 0.1608
pull
Entries 52
Mean −2921
Std Dev 0
pull1D
Entries 52
Mean −0.000593
Std Dev 0.9647

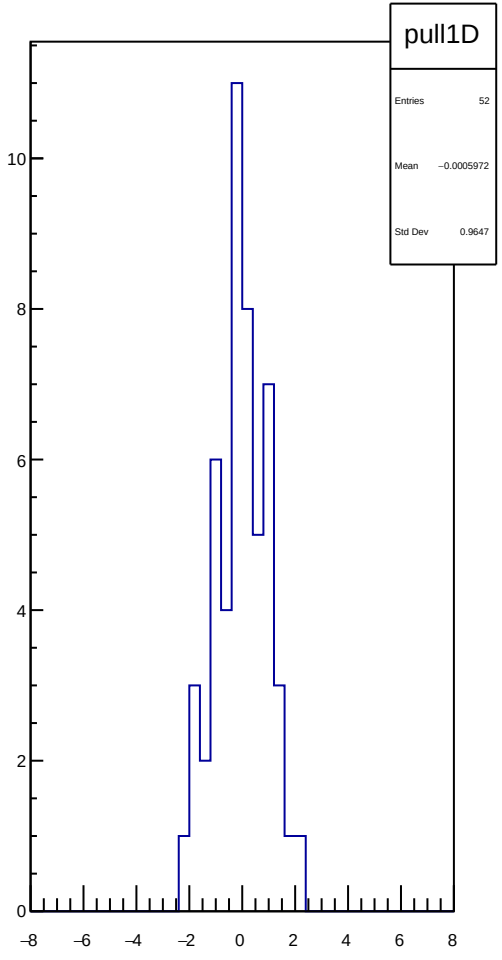

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.272e+05 / 51
p0 111.9 ± 0.1137
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

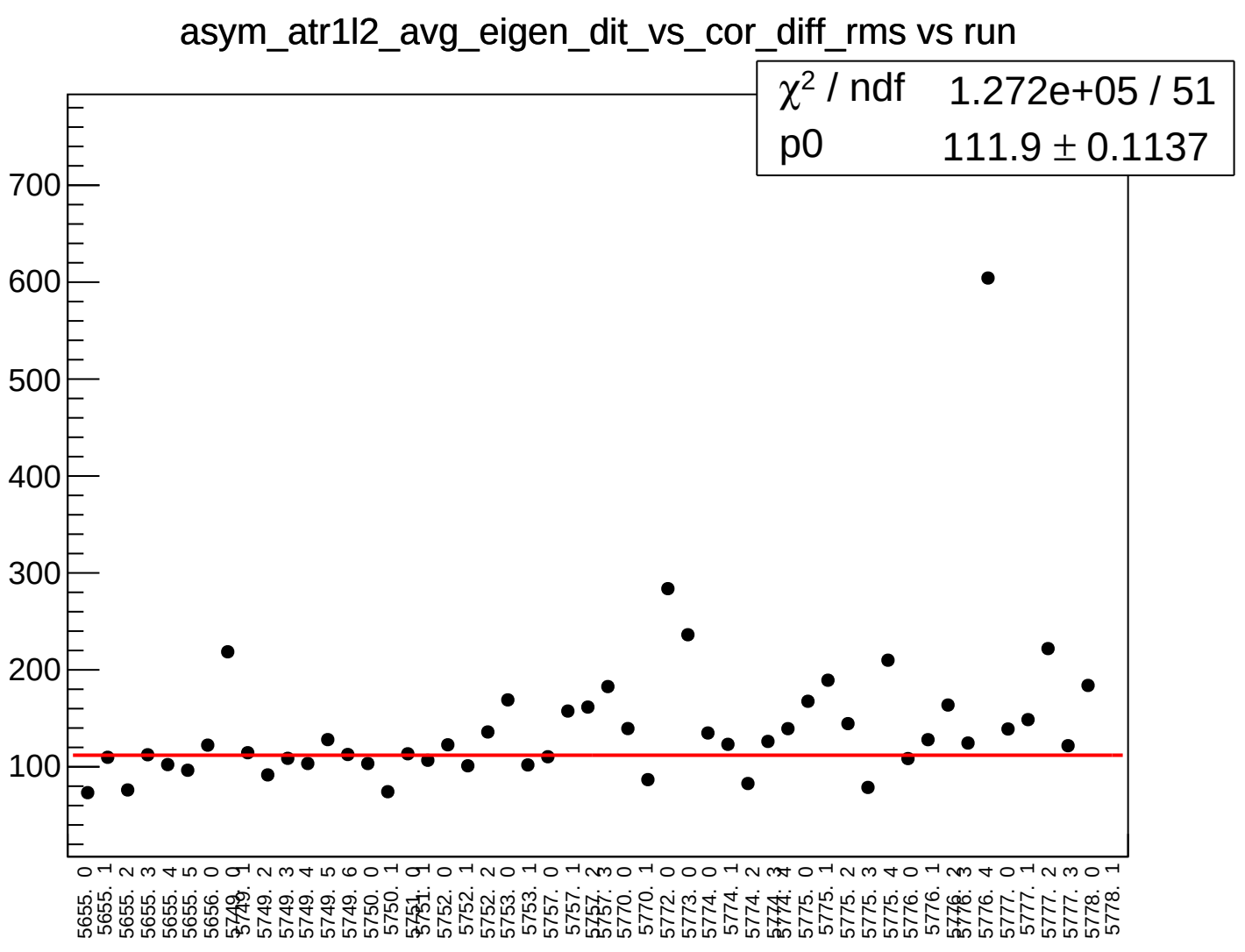

asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 45.54 / 51
p0 −1.418e−06 ± 1.757e−05
pull
Entries 52
Mean 8.774
Std Dev 30.67

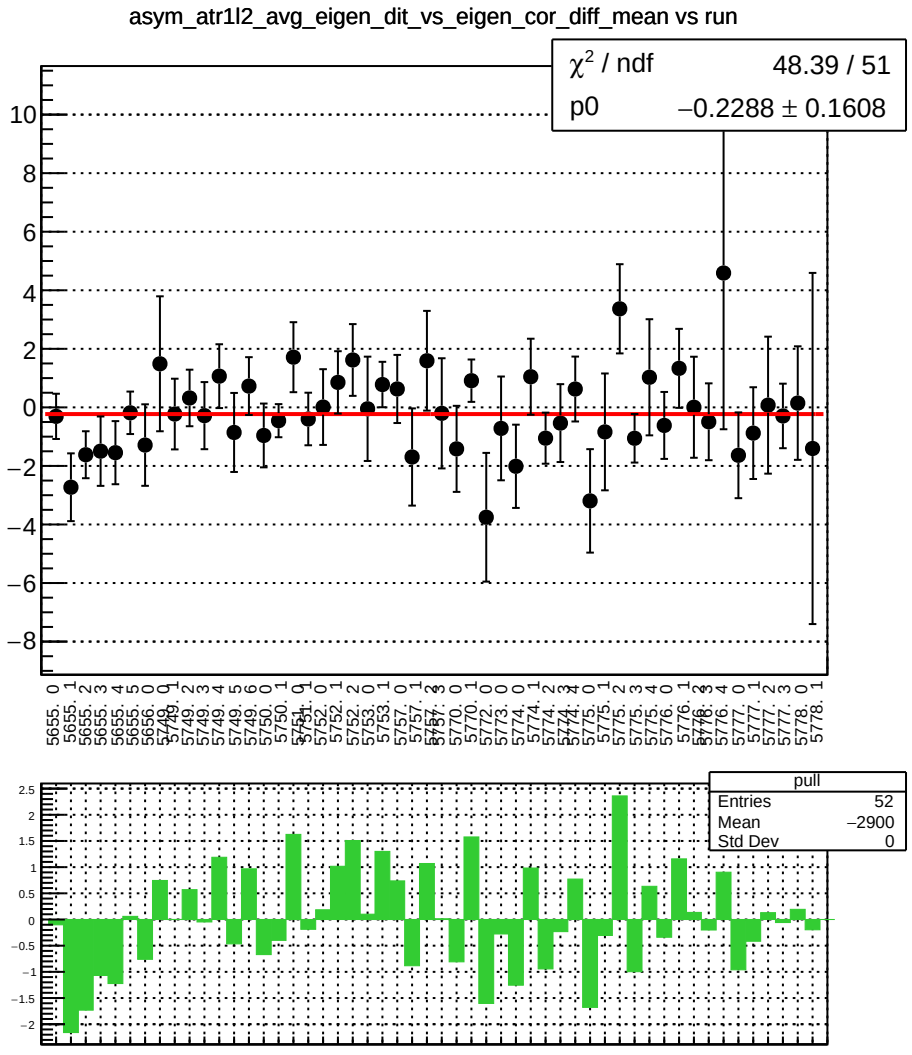

pull1D
Entries 52
Mean −0.03484
Std Dev 0.9352

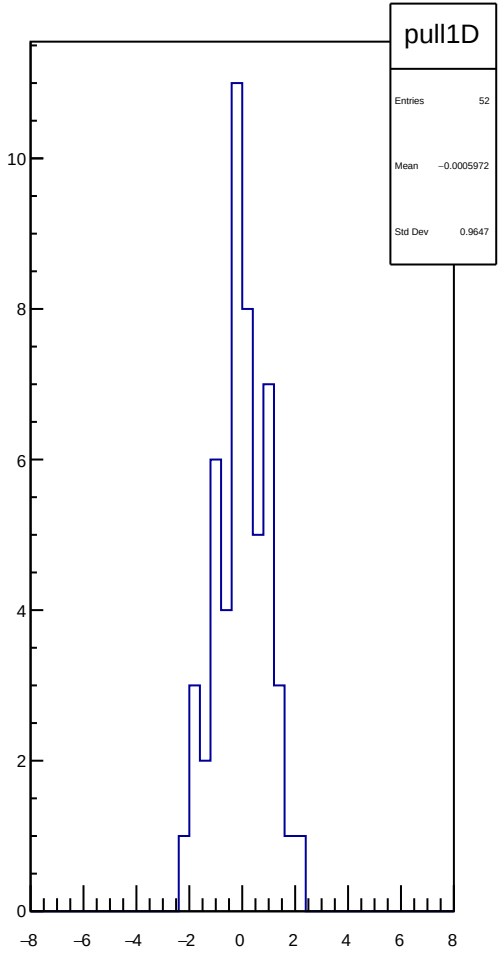

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.979e+04 / 51
p0 0.01271 ± 1.242e−05
0.018
0.016
0.014
0.012
0.01
0.008
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

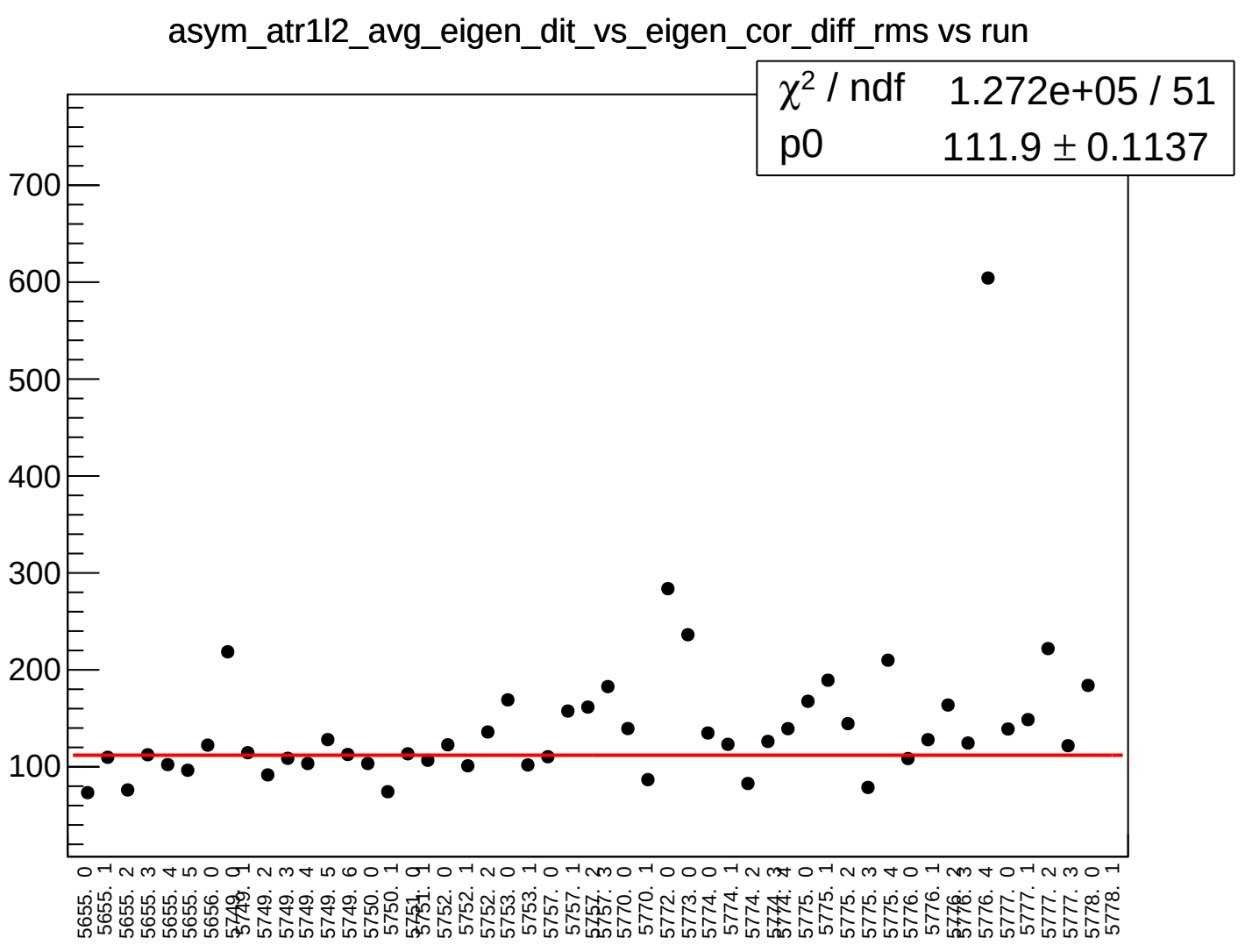

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.39 / 51
p0 −0.2288 ± 0.1608
pull
Entries 52
Mean −2900
Std Dev 0

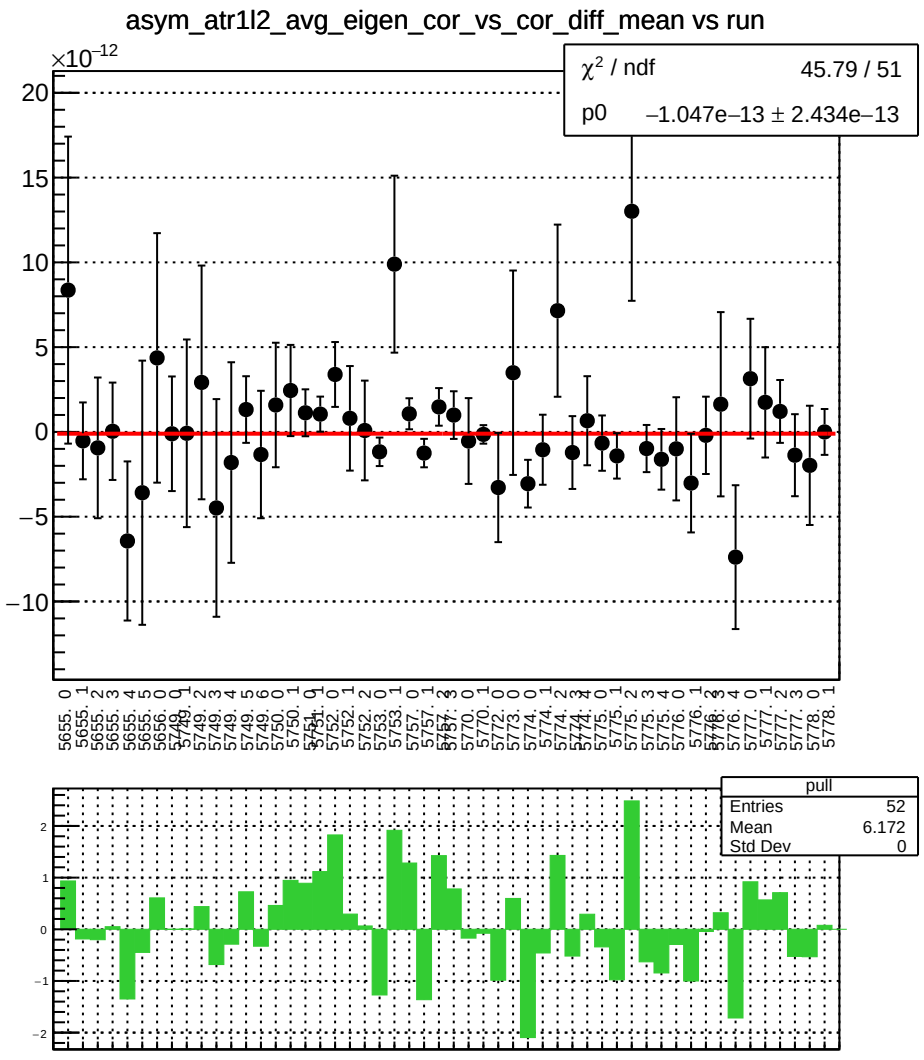

pull1D
Entries 52
Mean −0.0005972
Std Dev 0.9647

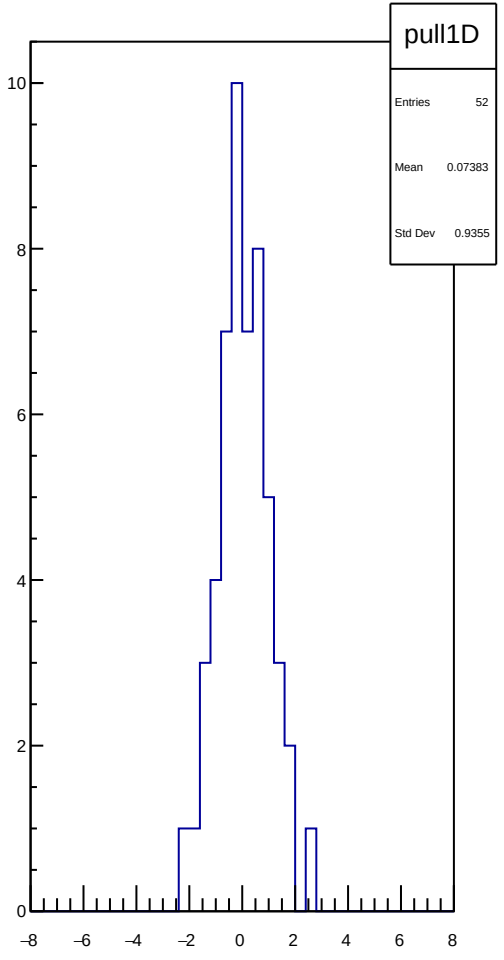

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.272e+05 / 51
p0 111.9 ± 0.1137
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

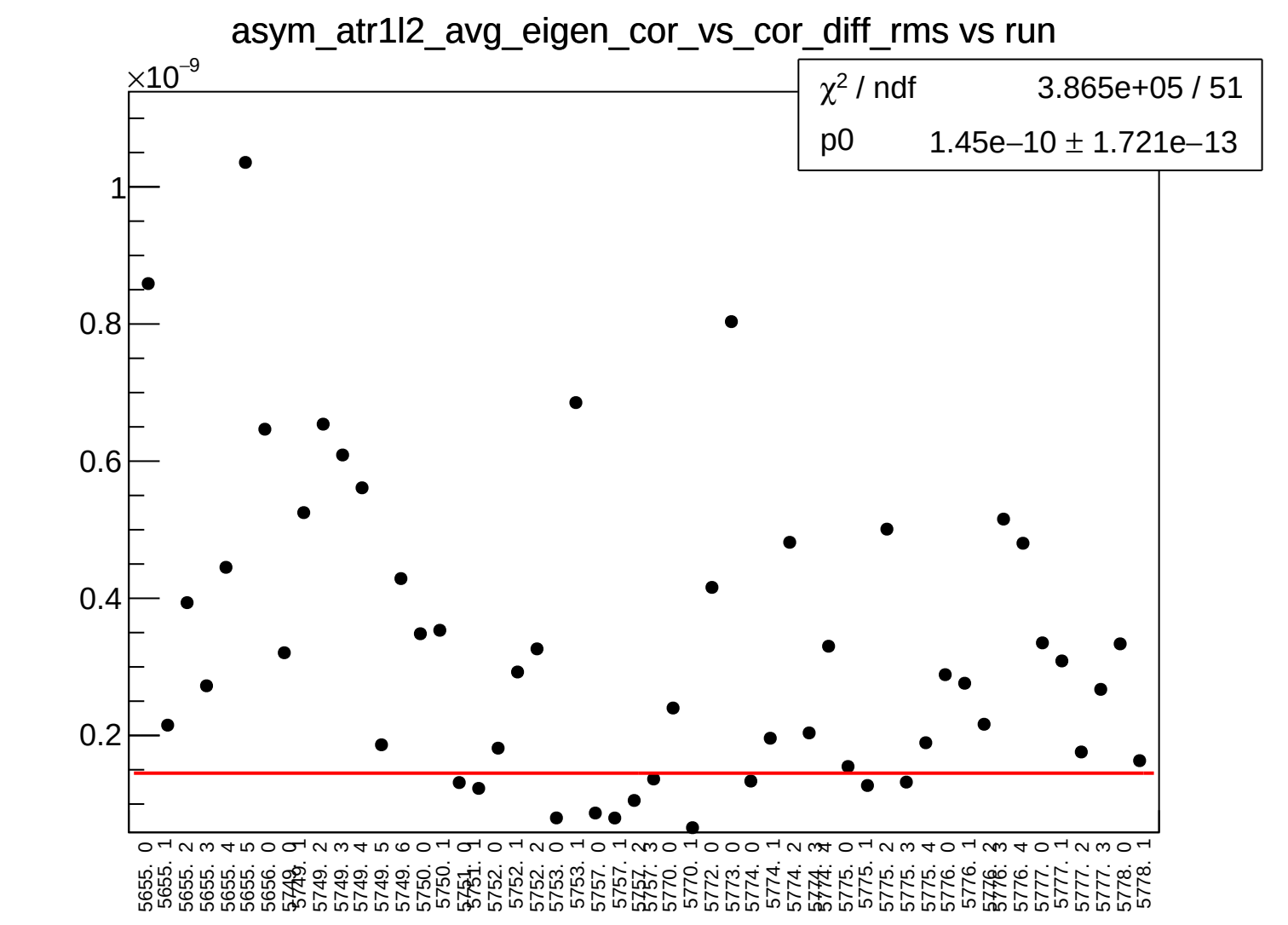

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.39 / 51
p0 −0.2288 ± 0.1608
pull
Entries 52
Mean −2900
Std Dev 0

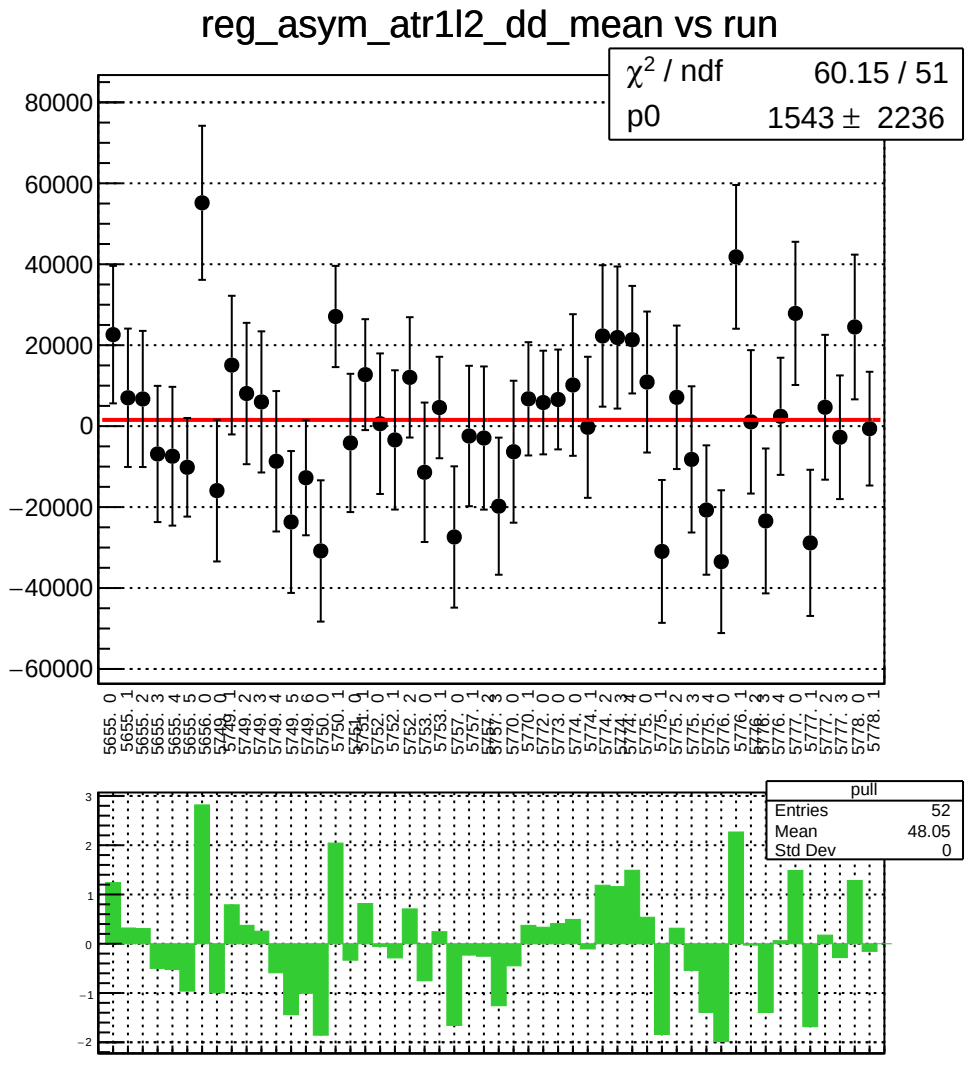

pull1D
Entries 52
Mean −0.0005972
Std Dev 0.9647

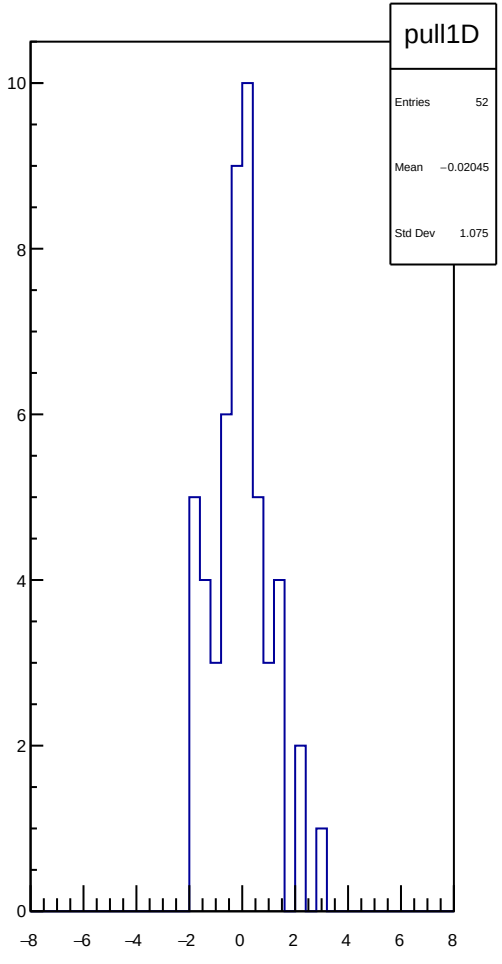

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.272e+05 / 51
p0 111.9 ± 0.1137
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

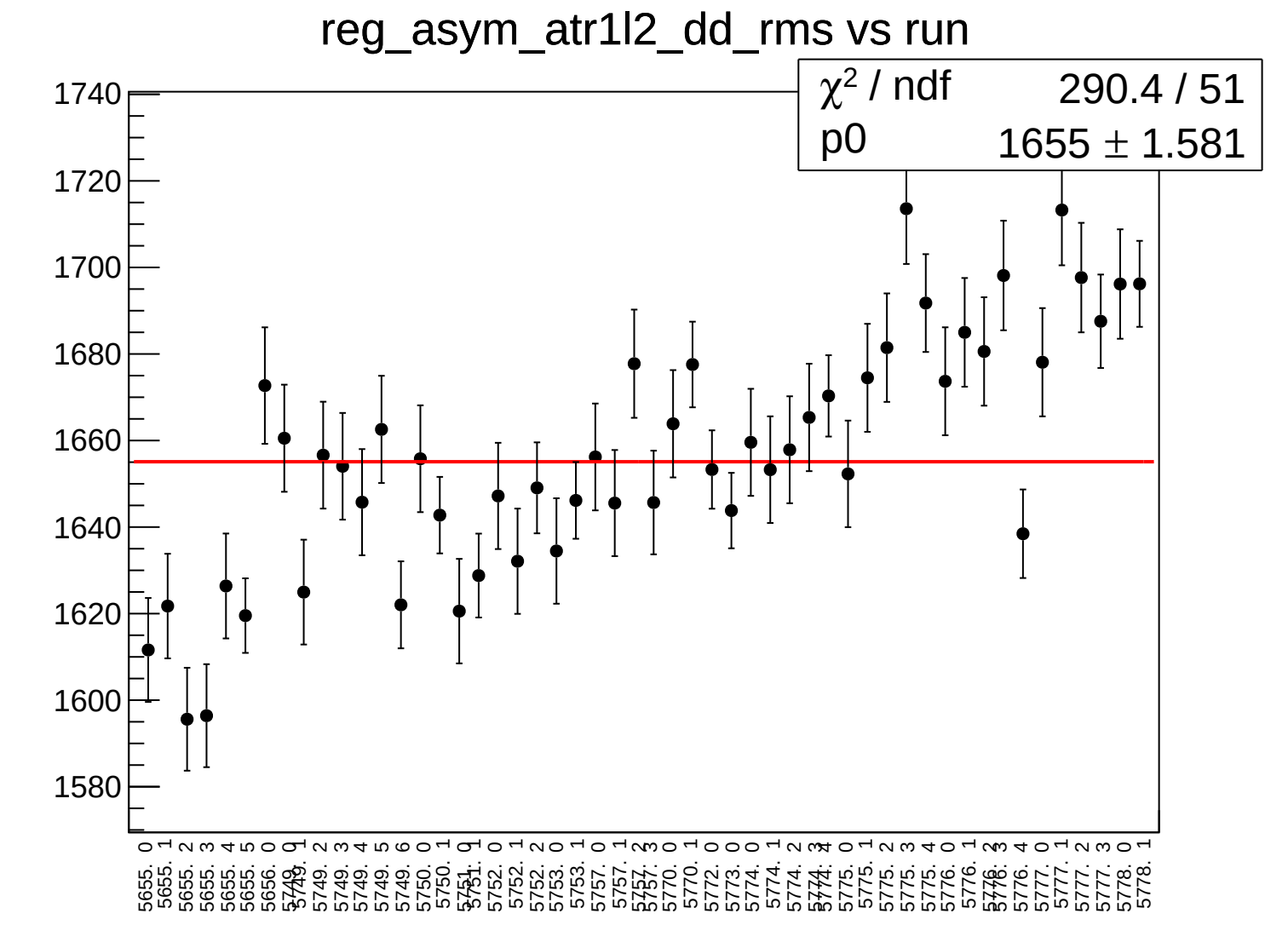

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 45.79 / 51
p0 −1.047e−13 ± 2.434e−13
pull
Entries 52
Mean 6.172
Std Dev 0

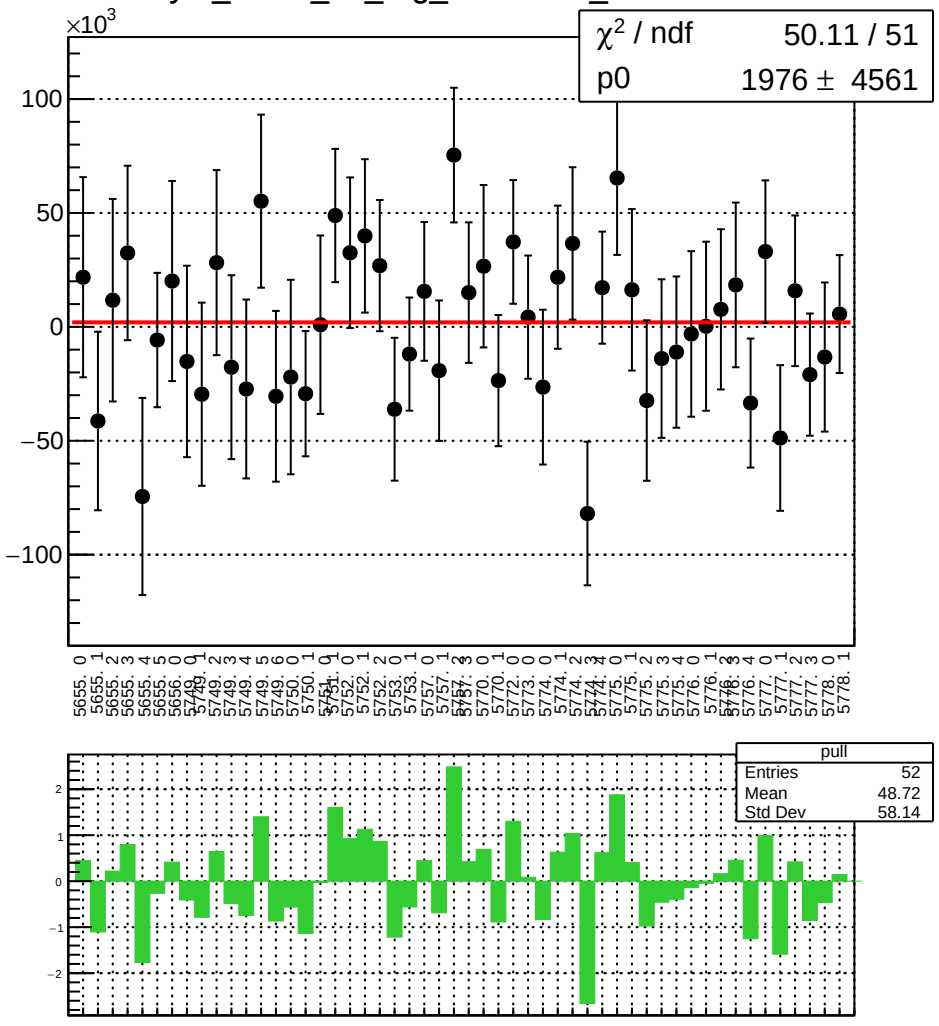

pull1D
Entries 52
Mean 0.07383
Std Dev 0.9355

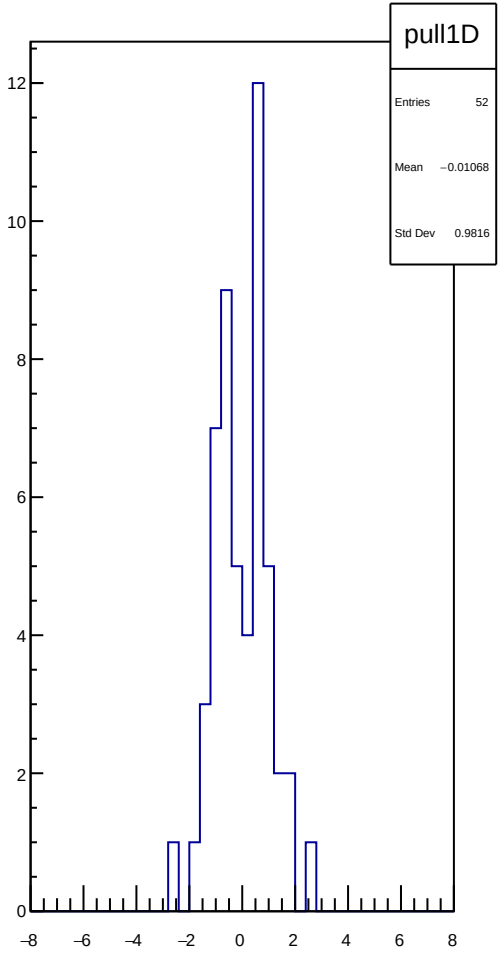

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.865e+05 / 51
p0 1.45e−10 ± 1.721e−13
1
0.8
0.6
0.4
0.2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

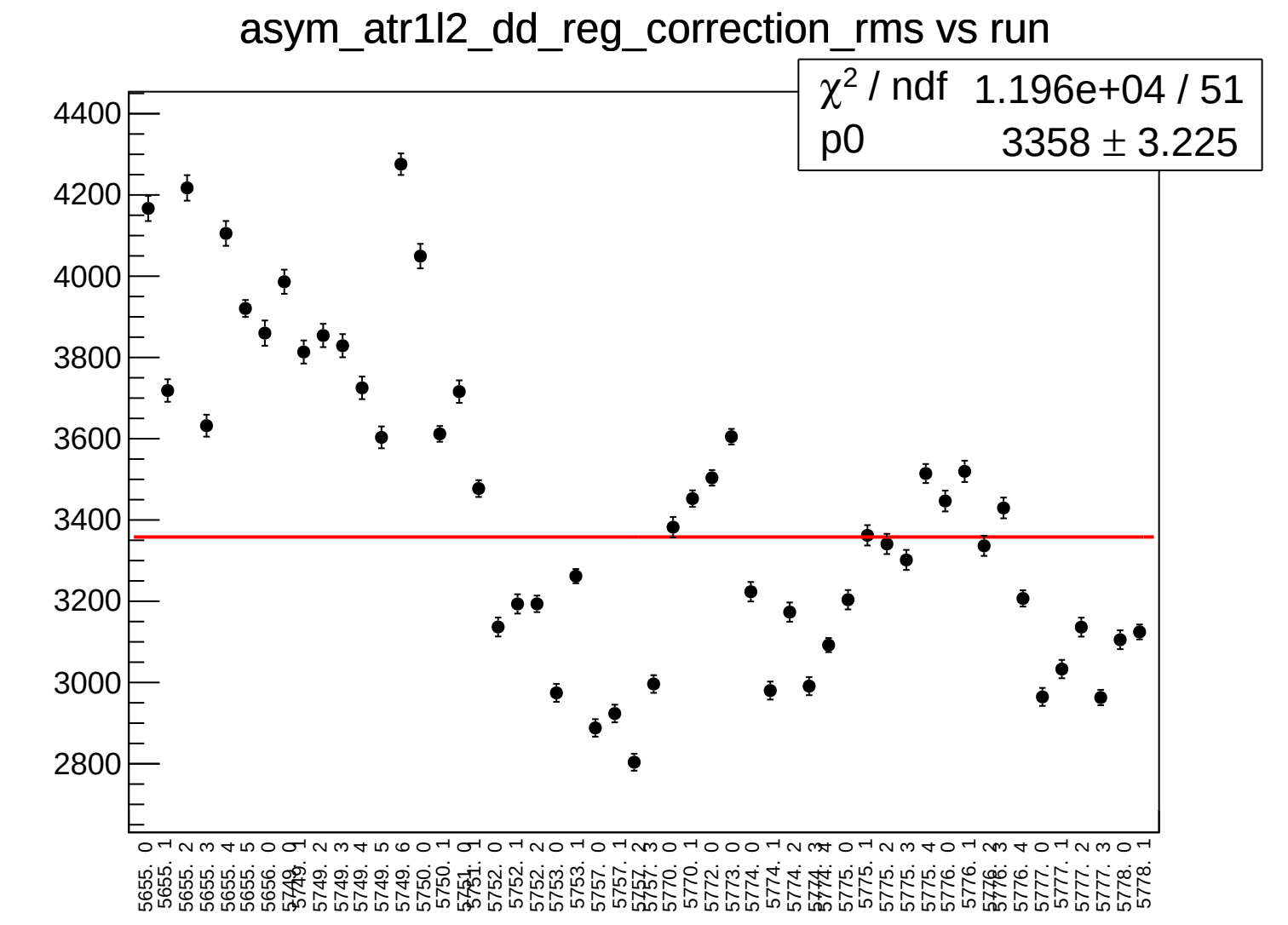

reg_asym_atr1l2_dd_mean vs run
χ² / ndf 60.15 / 51
p0 1543 ± 2236
pull
Entries 52
Mean 48.05
Std Dev 0

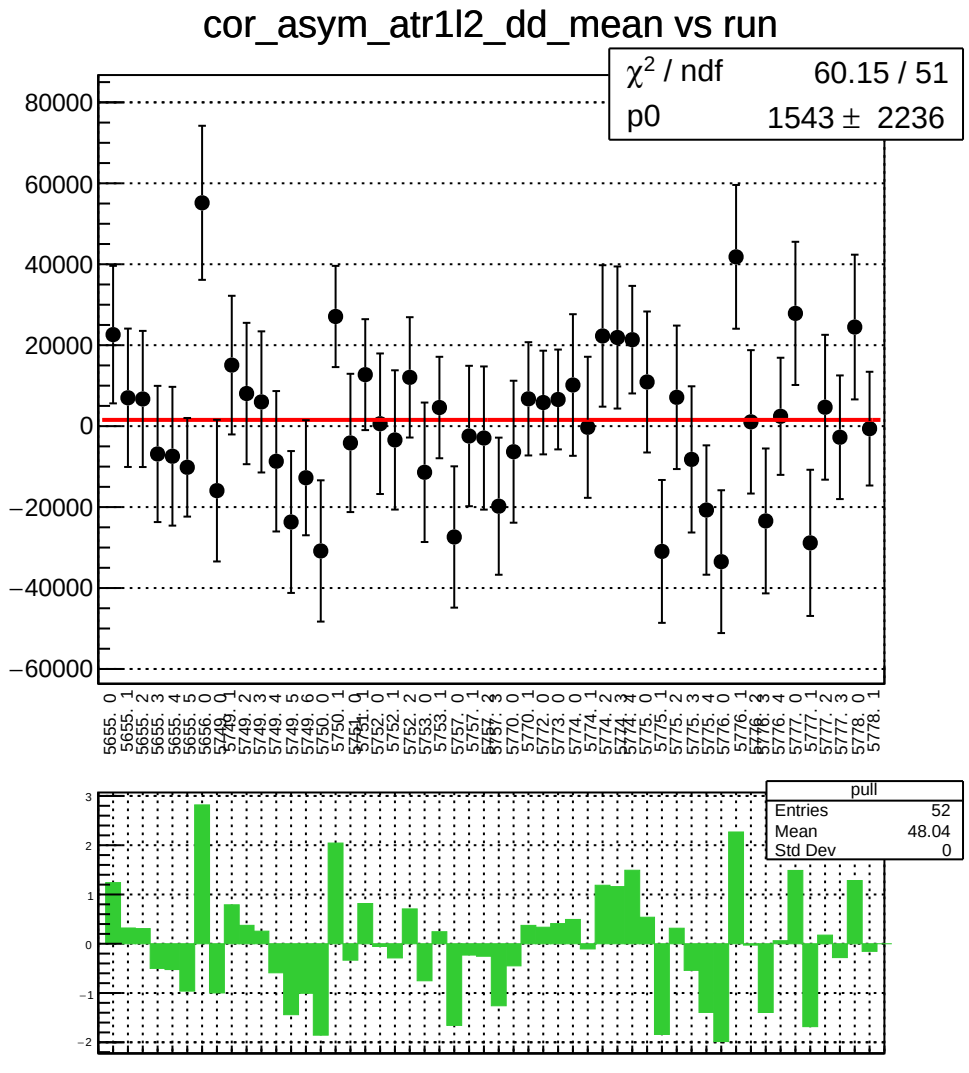

pull1D
Entries 52
Mean −0.02045
Std Dev 1.075

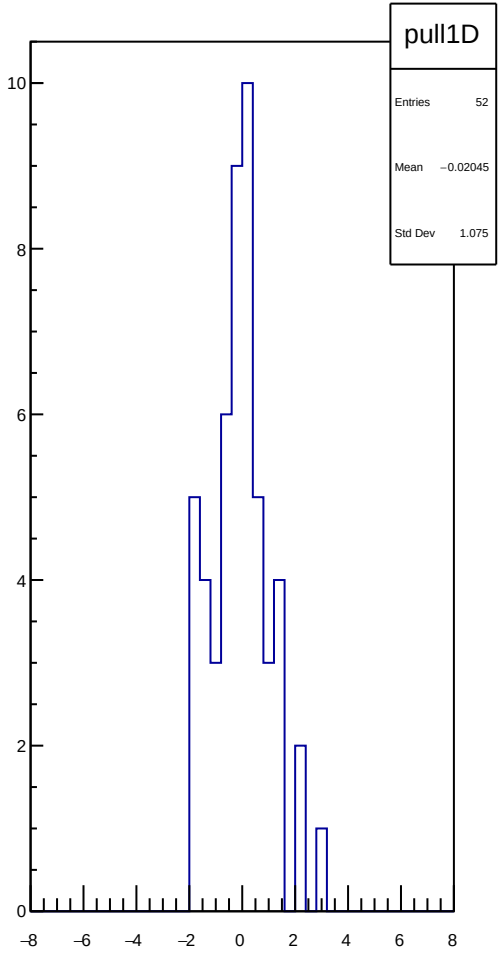

reg_asym_atr1l2_dd_rms vs run
χ² / ndf 290.4 / 51
p0 1655 ± 1.581
1740
1720
1700
1680
1660
1640
1620
1600
1580
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

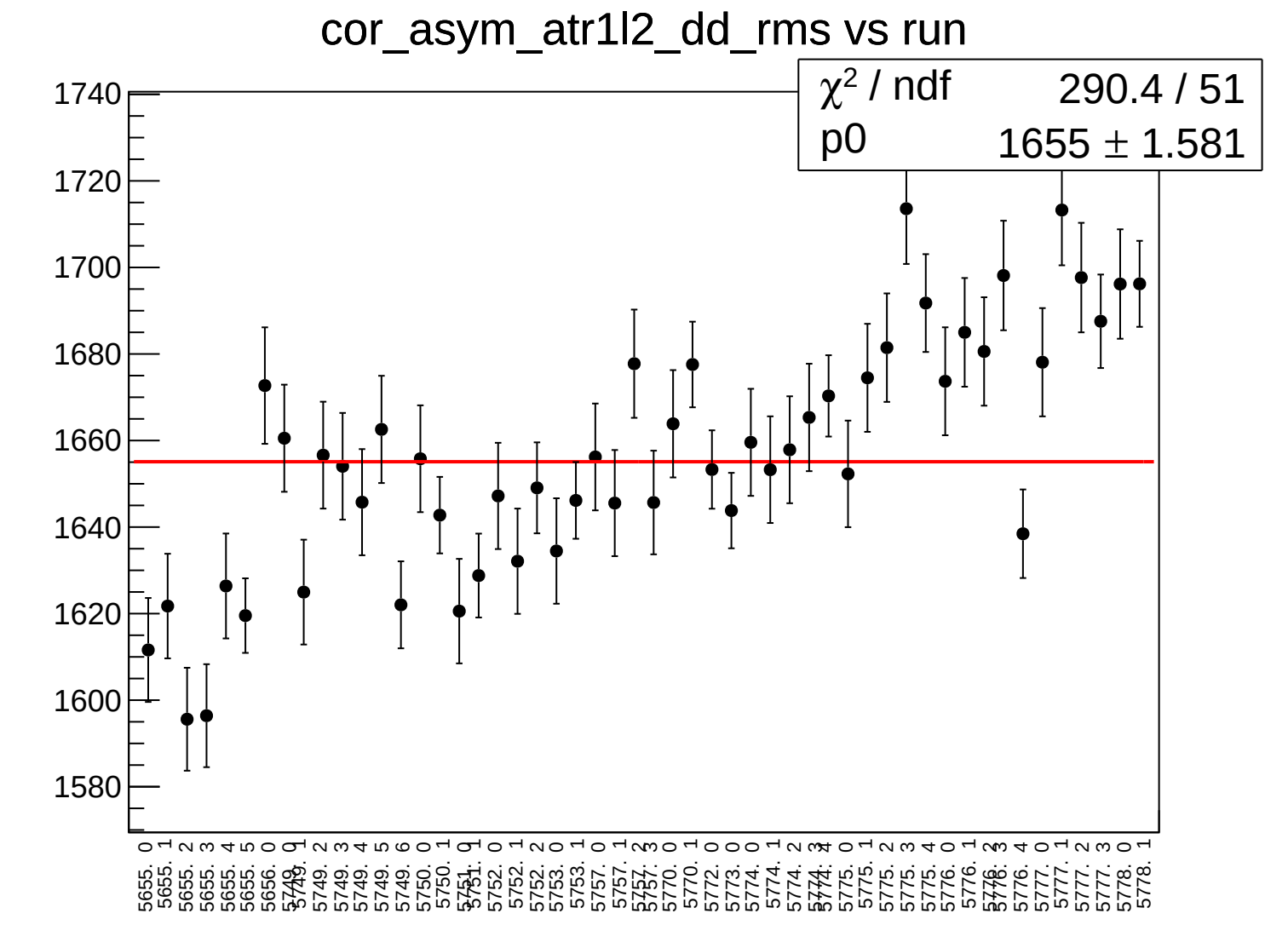

asym_atr1l2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 50.11 / 51
p0 1976 ± 4561
100
50
0
−50
−100
pull
Entries 52
Mean 48.72
Std Dev 58.14
2
1
0
−1
−2

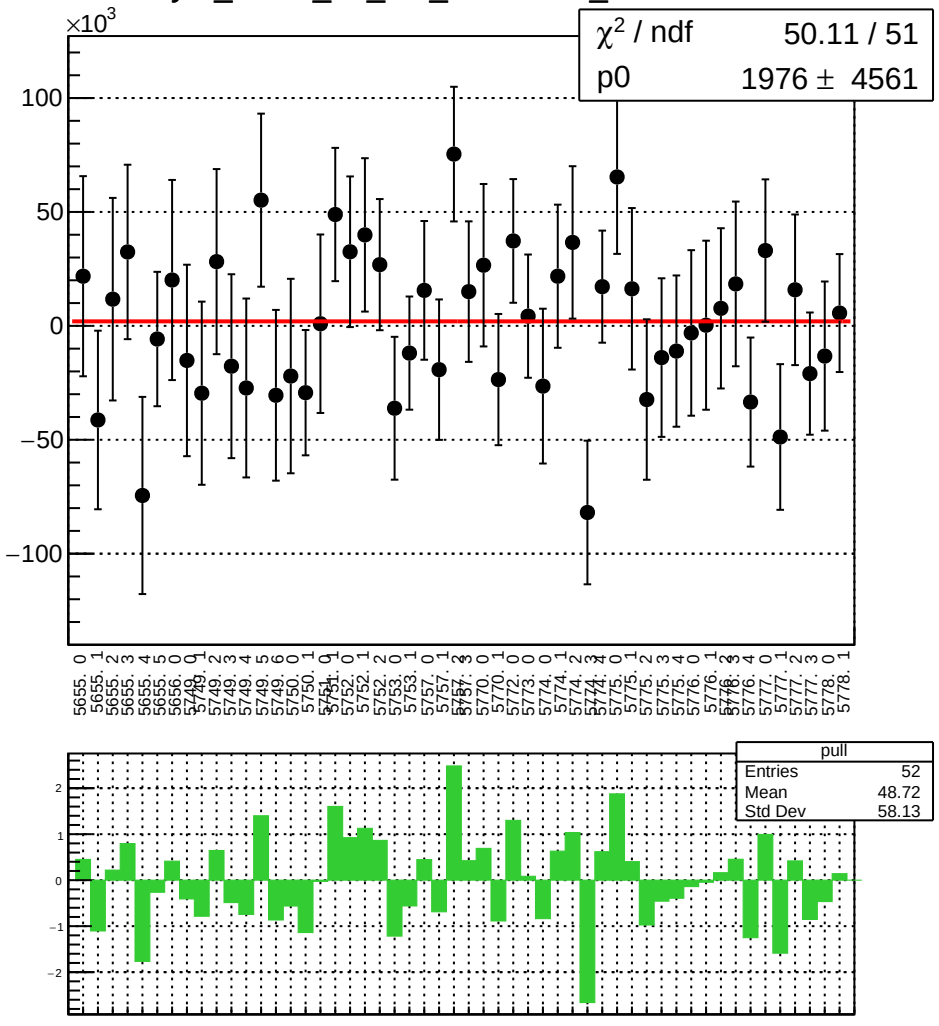

pull1D
Entries 52
Mean −0.01068
Std Dev 0.9816
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

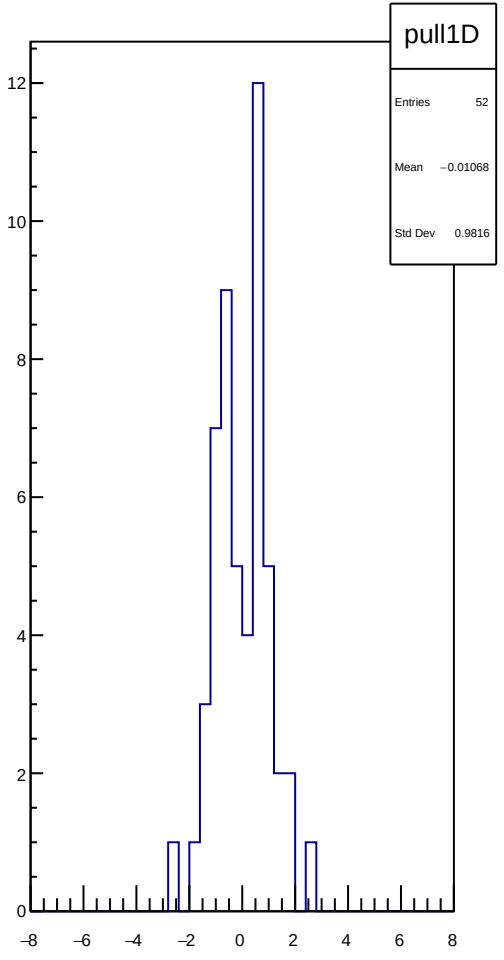

asym_atr1l2_dd_reg_correction_rms vs run
χ² / ndf 1.196e+04 / 51
p0 3358 ± 3.225
4400
4200
4000
3800
3600
3400
3200
3000
2800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

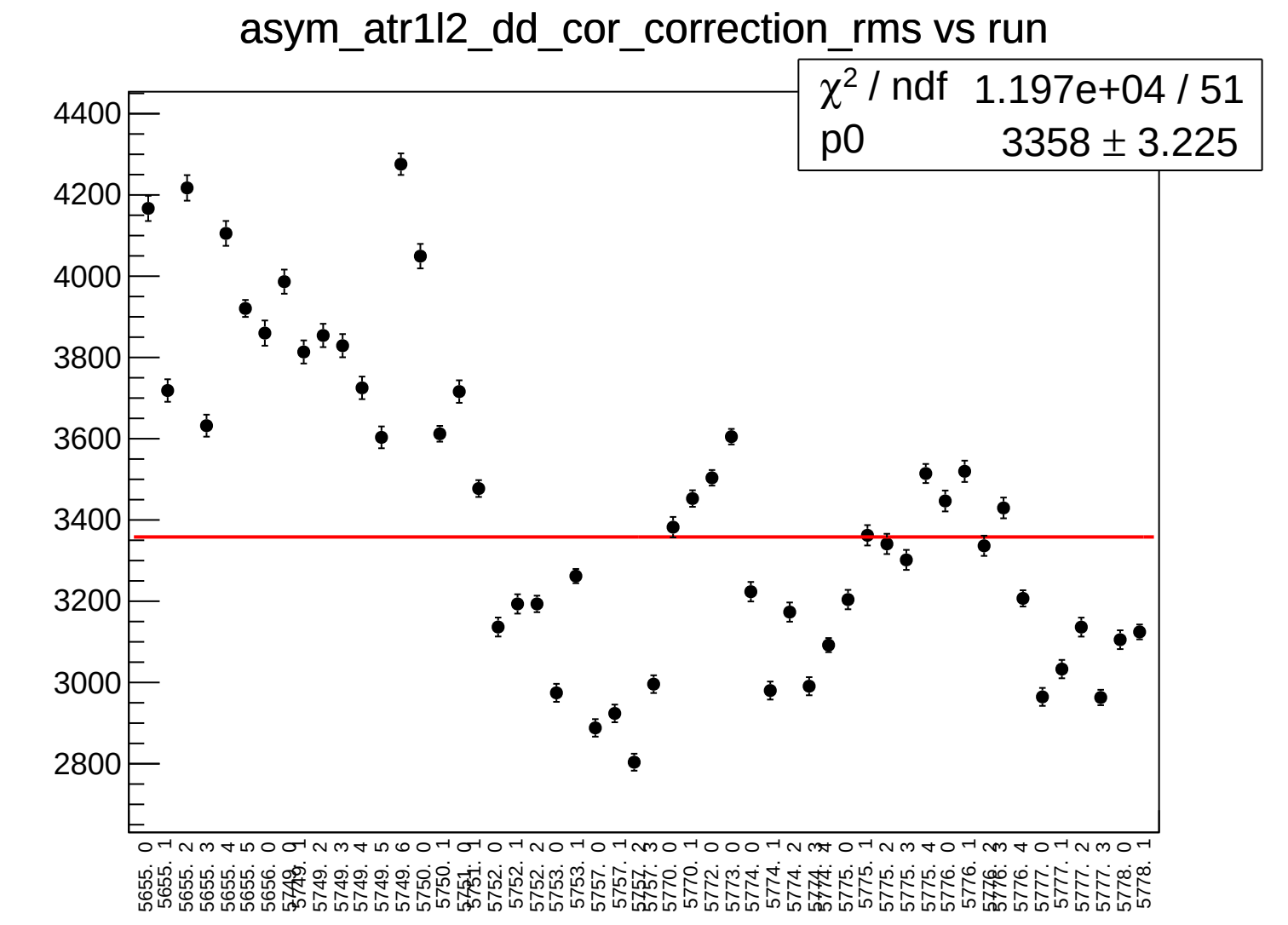

cor_asym_atr1l2_dd_mean vs run
χ² / ndf 60.15 / 51
p0 1543 ± 2236
pull
Entries 52
Mean 48.04
Std Dev 0

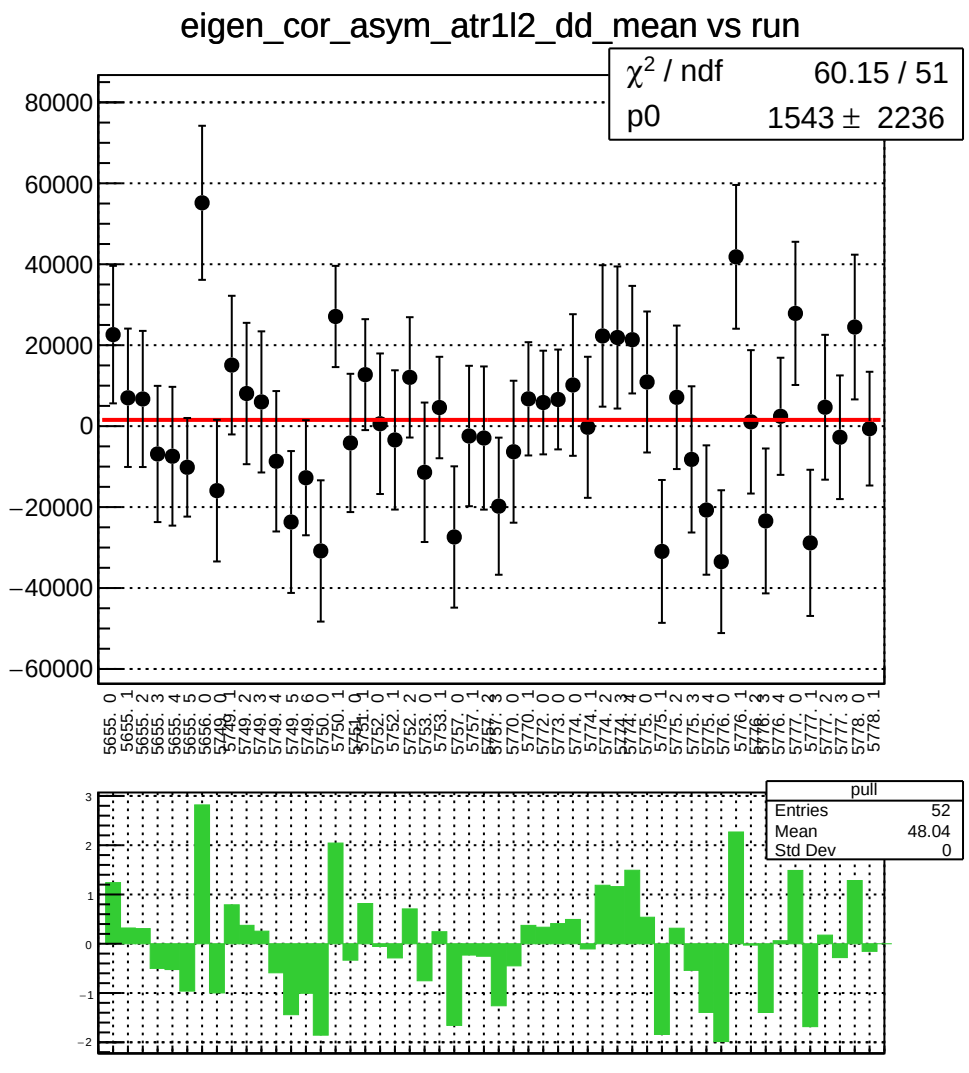

pull1D
Entries 52
Mean −0.02045
Std Dev 1.075

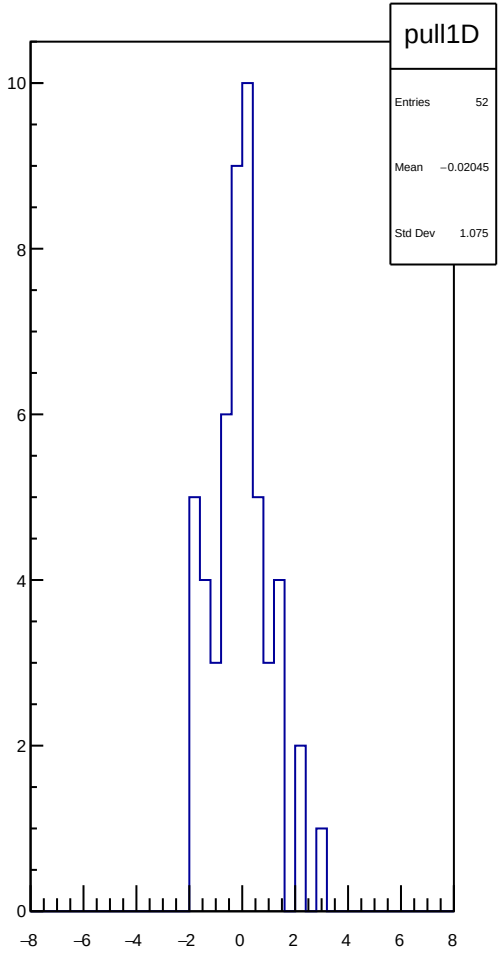

cor_asym_atr1l2_dd_rms vs run
χ² / ndf 290.4 / 51
p0 1655 ± 1.581
1740
1720
1700
1680
1660
1640
1620
1600
1580
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

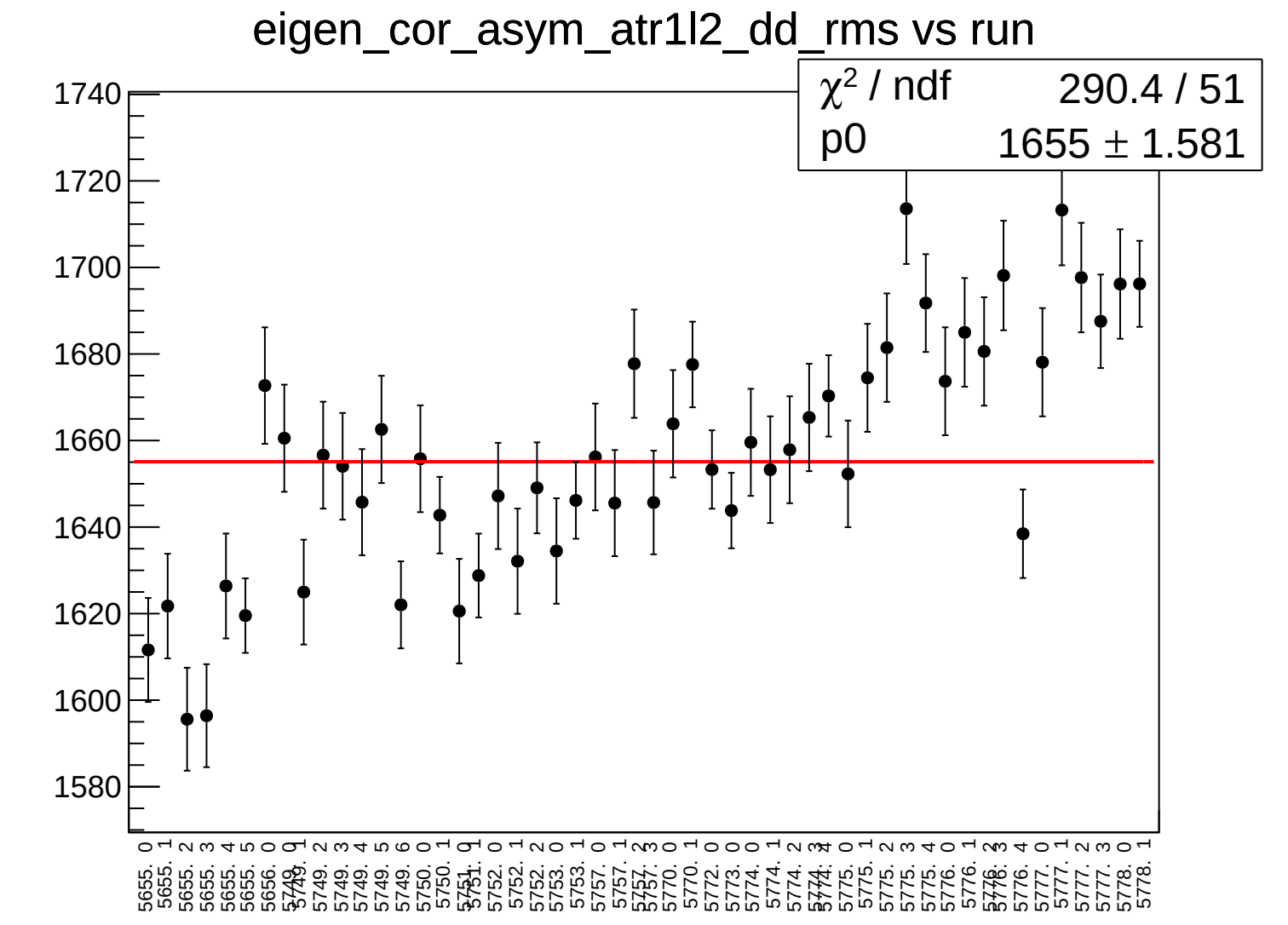

asym_atr1l2_dd_cor_correction_mean vs run
×10^3
χ^2 / ndf 50.11 / 51
p0 1976 ± 4561
100
50
0
−50
−100
pull
Entries 52
Mean 48.72
Std Dev 58.13
2
1
0
−1
−2

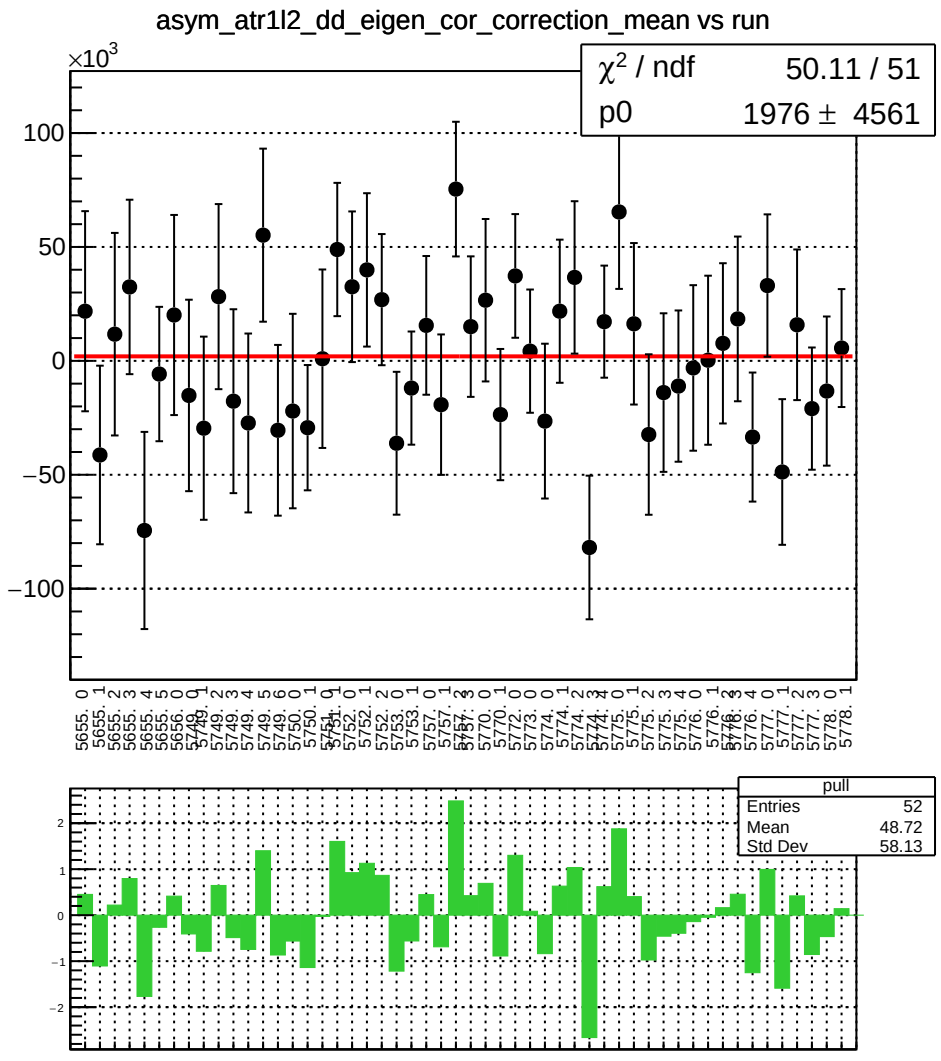

pull1D
Entries 52
Mean −0.01068
Std Dev 0.9816
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

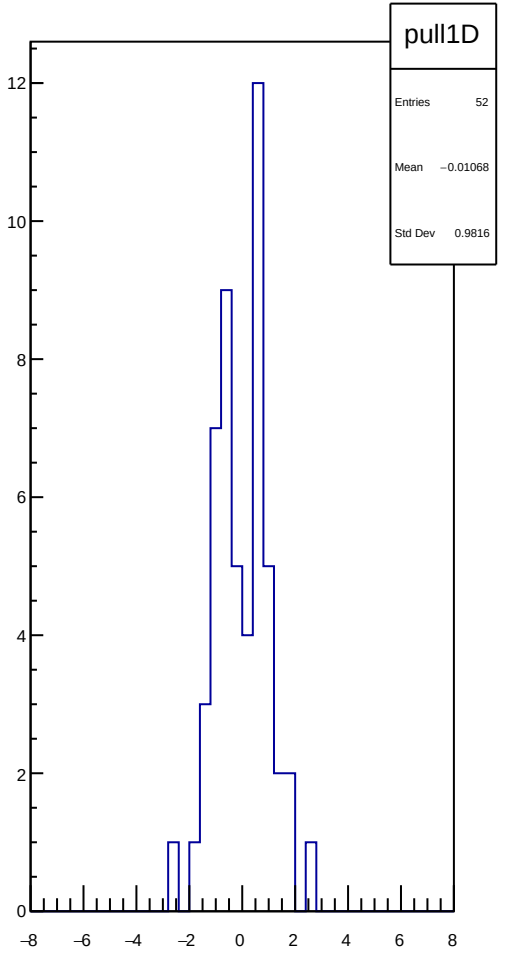

asym_atr1l2_dd_cor_correction_rms vs run
χ² / ndf 1.197e+04 / 51
p0 3358 ± 3.225
4400
4200
4000
3800
3600
3400
3200
3000
2800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

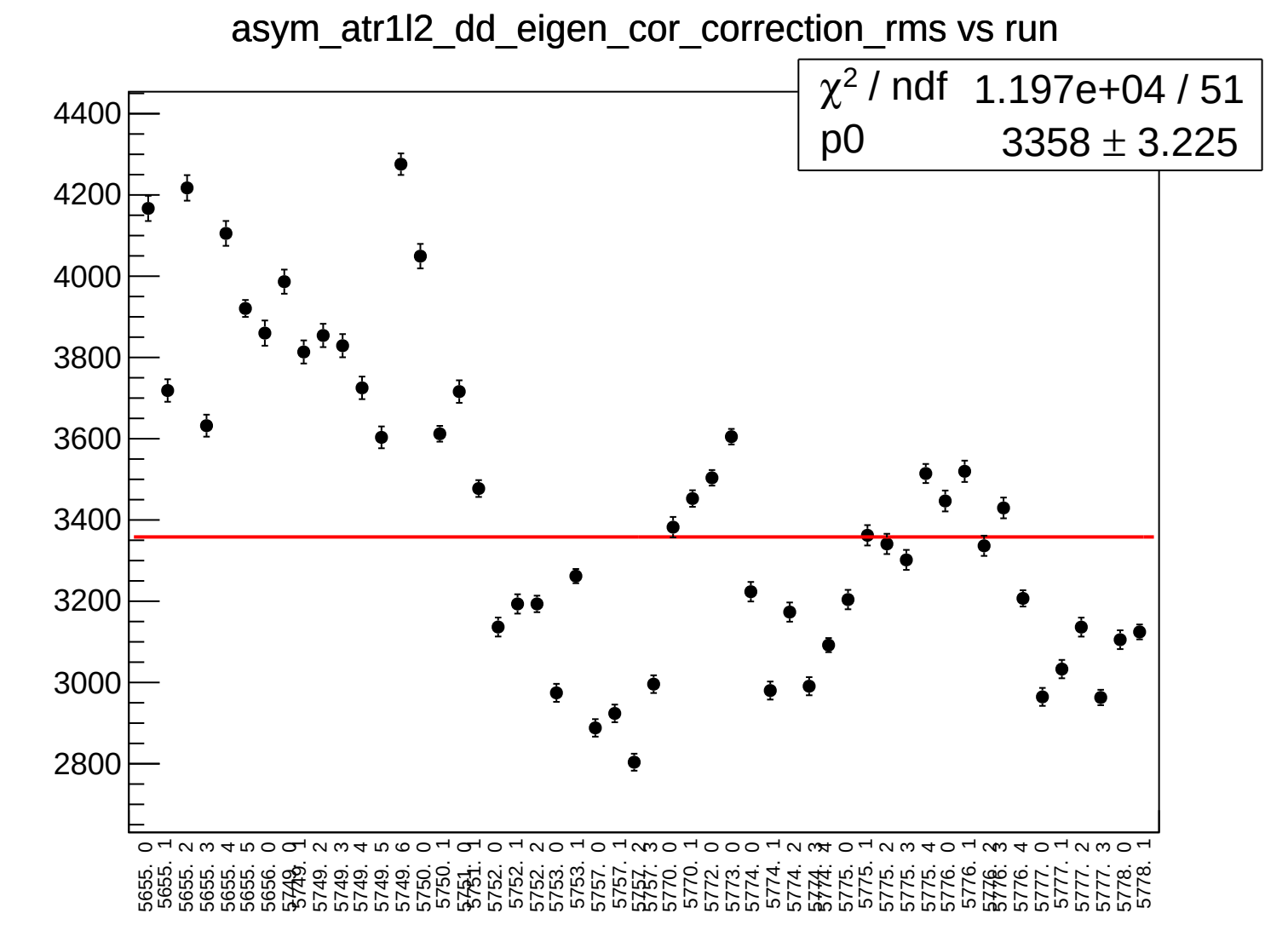

eigen_cor_asym_atr1l2_dd_mean vs run
χ² / ndf 60.15 / 51
p0 1543 ± 2236
pull
Entries 52
Mean 48.04
Std Dev 0

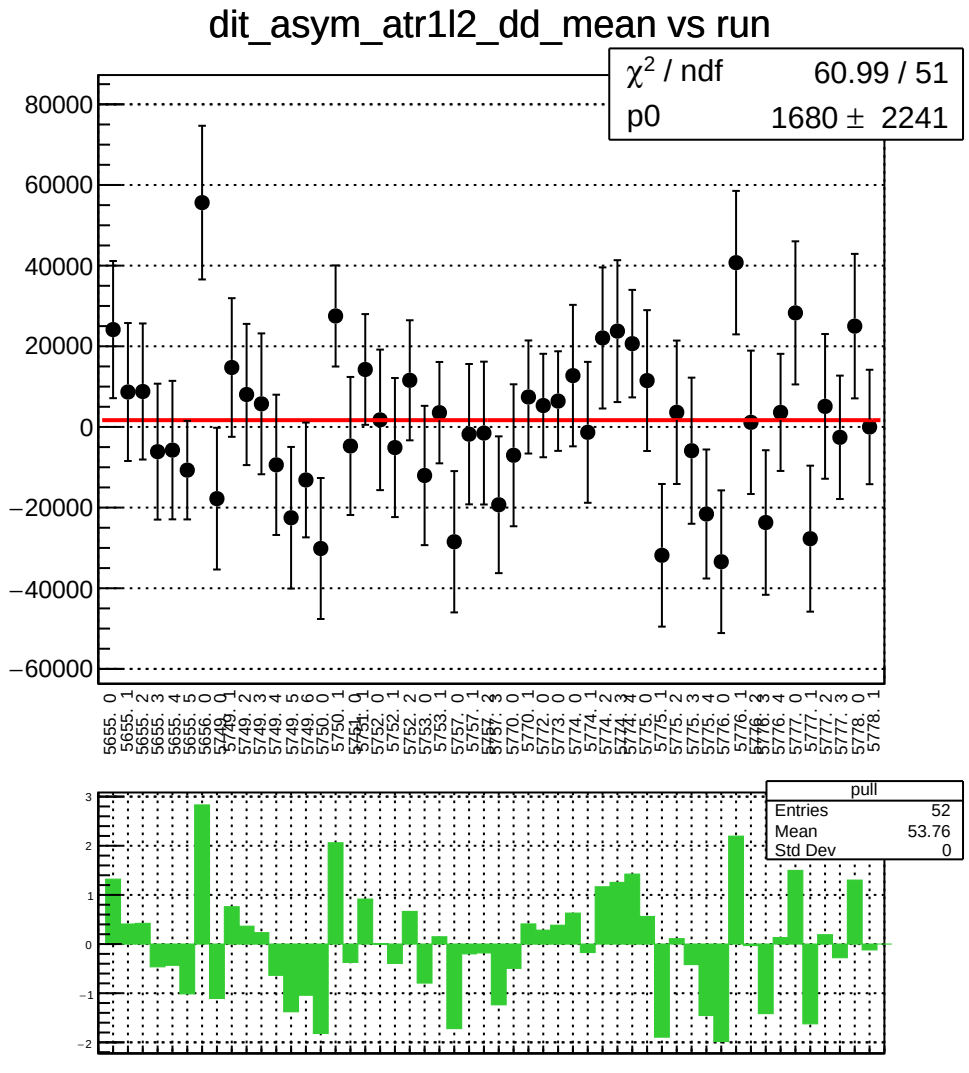

pull1D
Entries 52
Mean −0.02045
Std Dev 1.075

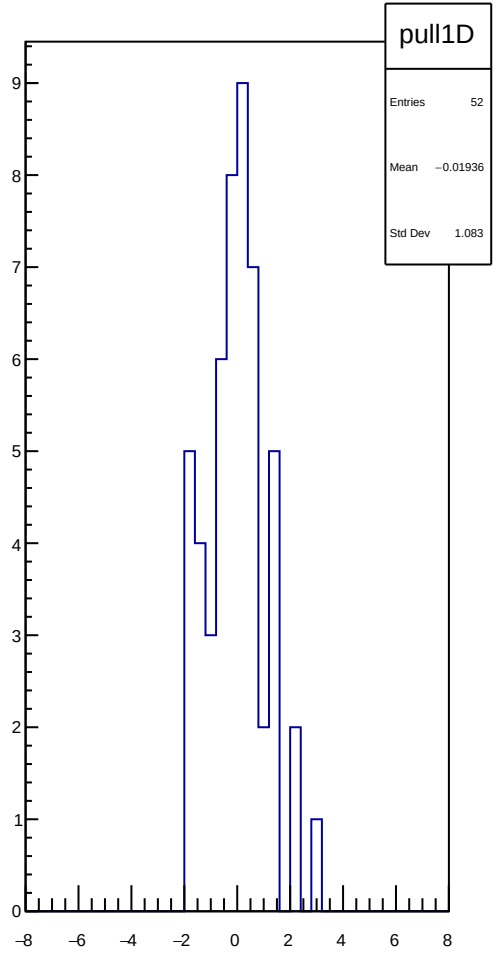

eigen_cor_asym_atr1l2_dd_rms vs run
χ² / ndf 290.4 / 51
p0 1655 ± 1.581
1740
1720
1700
1680
1660
1640
1620
1600
1580
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

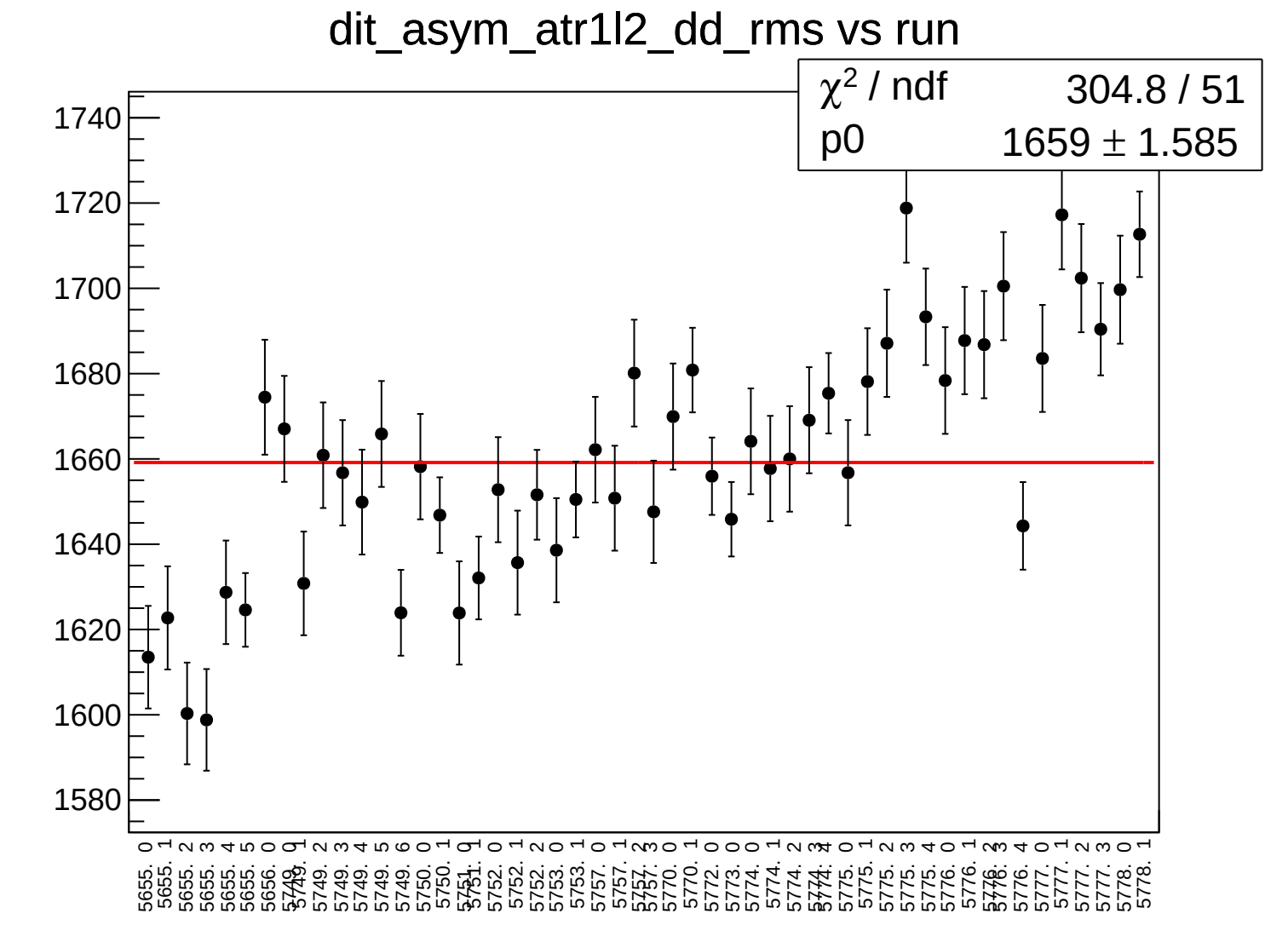

asym_atr1l2_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 50.11 / 51
p0 1976 ± 4561
100
50
0
−50
−100
pull
Entries 52
Mean 48.72
Std Dev 58.13
2
1
0
−1
−2

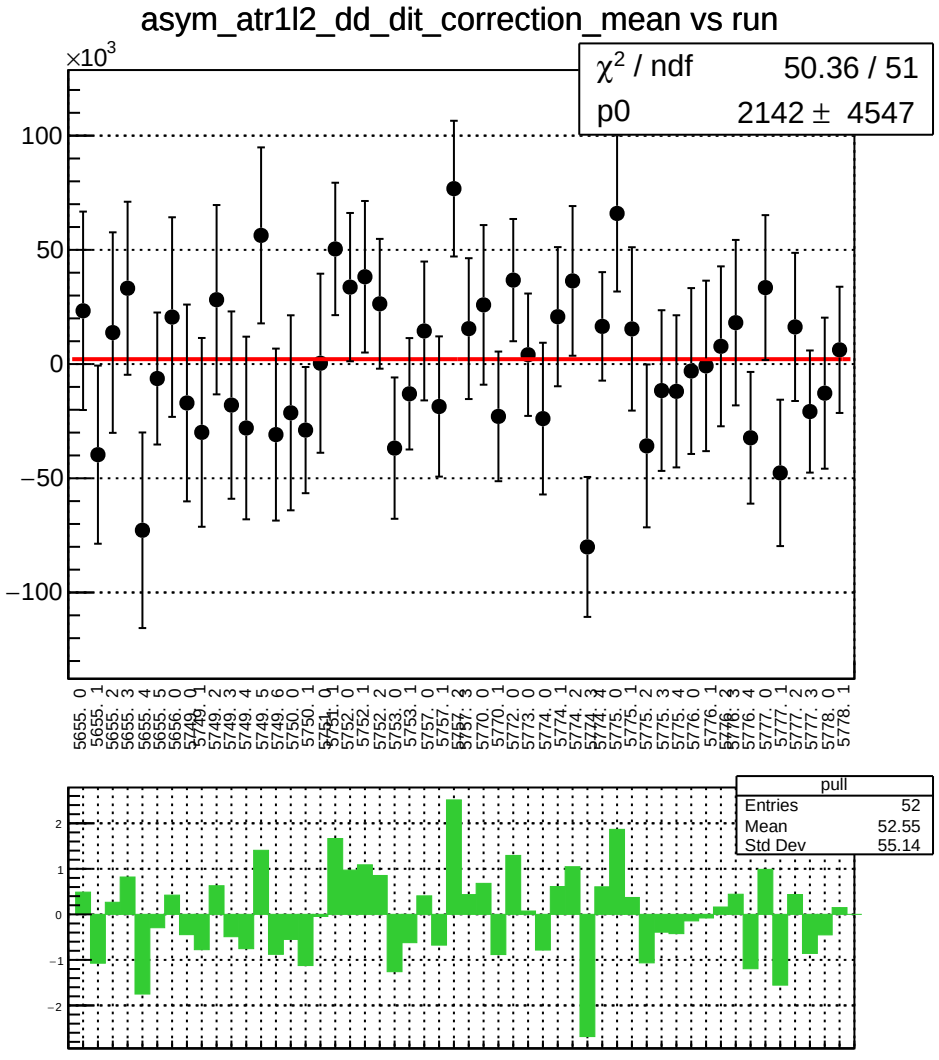

pull1D
Entries 52
Mean −0.01068
Std Dev 0.9816
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

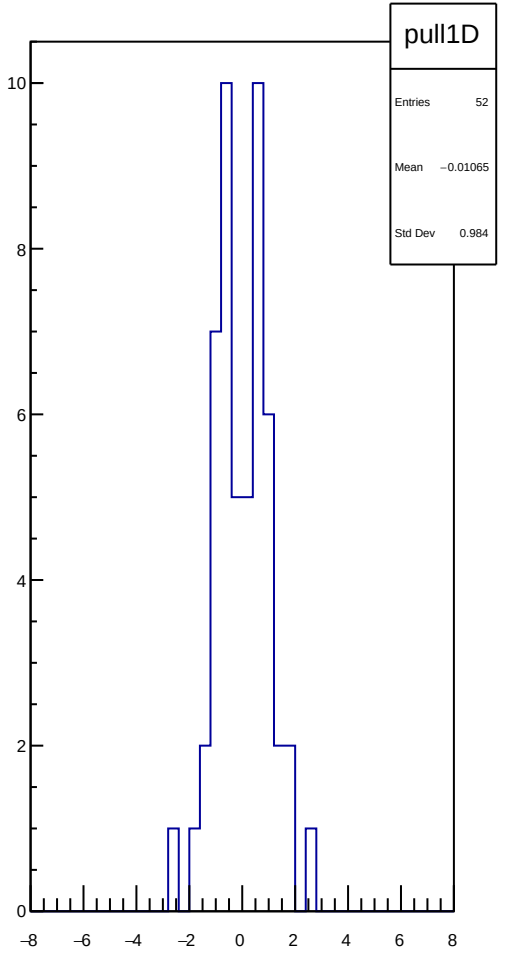

asym_atr1l2_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.197e+04 / 51
p0 3358 ± 3.225
4400
4200
4000
3800
3600
3400
3200
3000
2800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

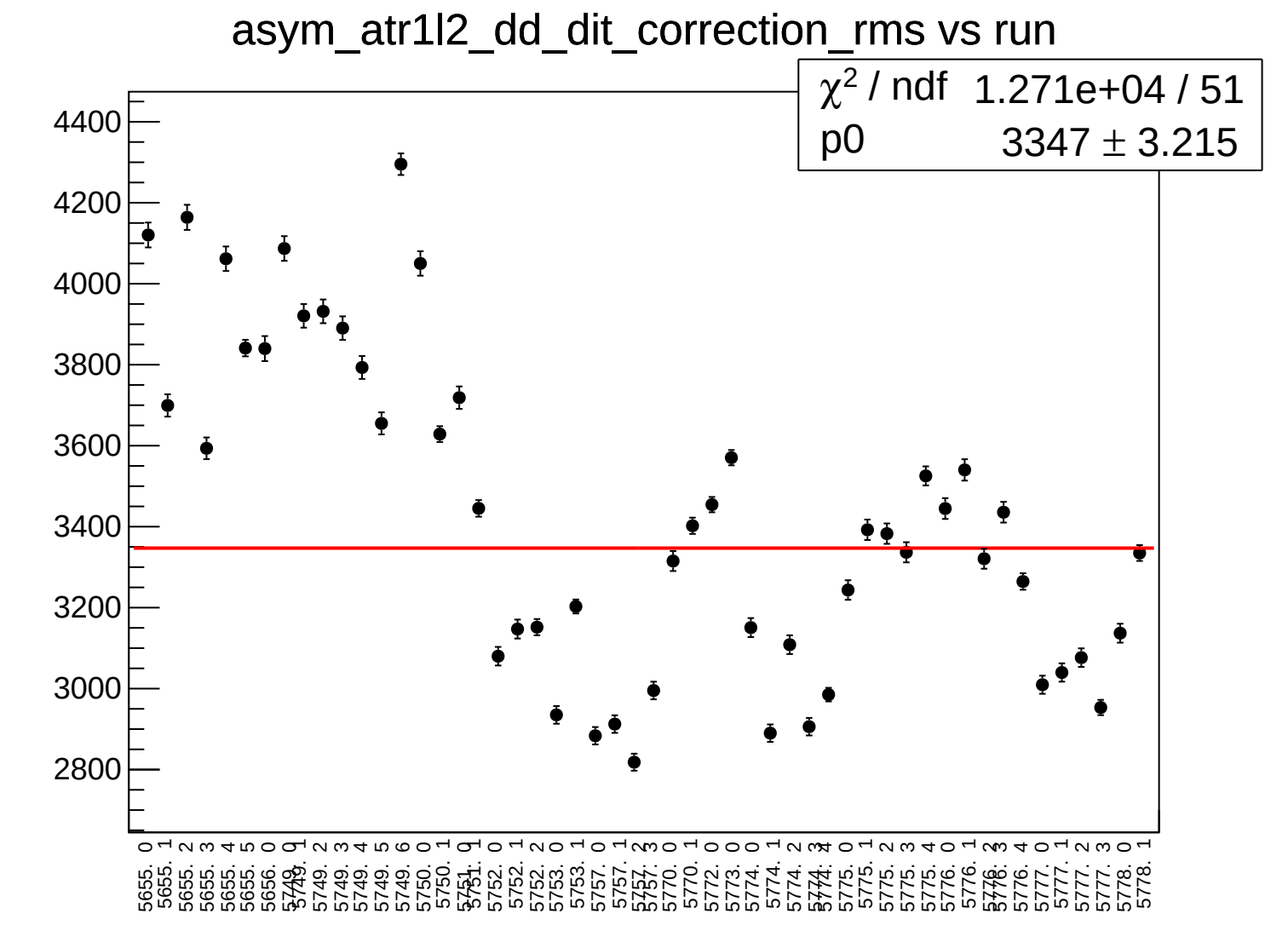

dit_asym_atr1l2_dd_mean vs run
χ² / ndf 60.99 / 51
p0 1680 ± 2241
pull
Entries 52
Mean 53.76
Std Dev 0

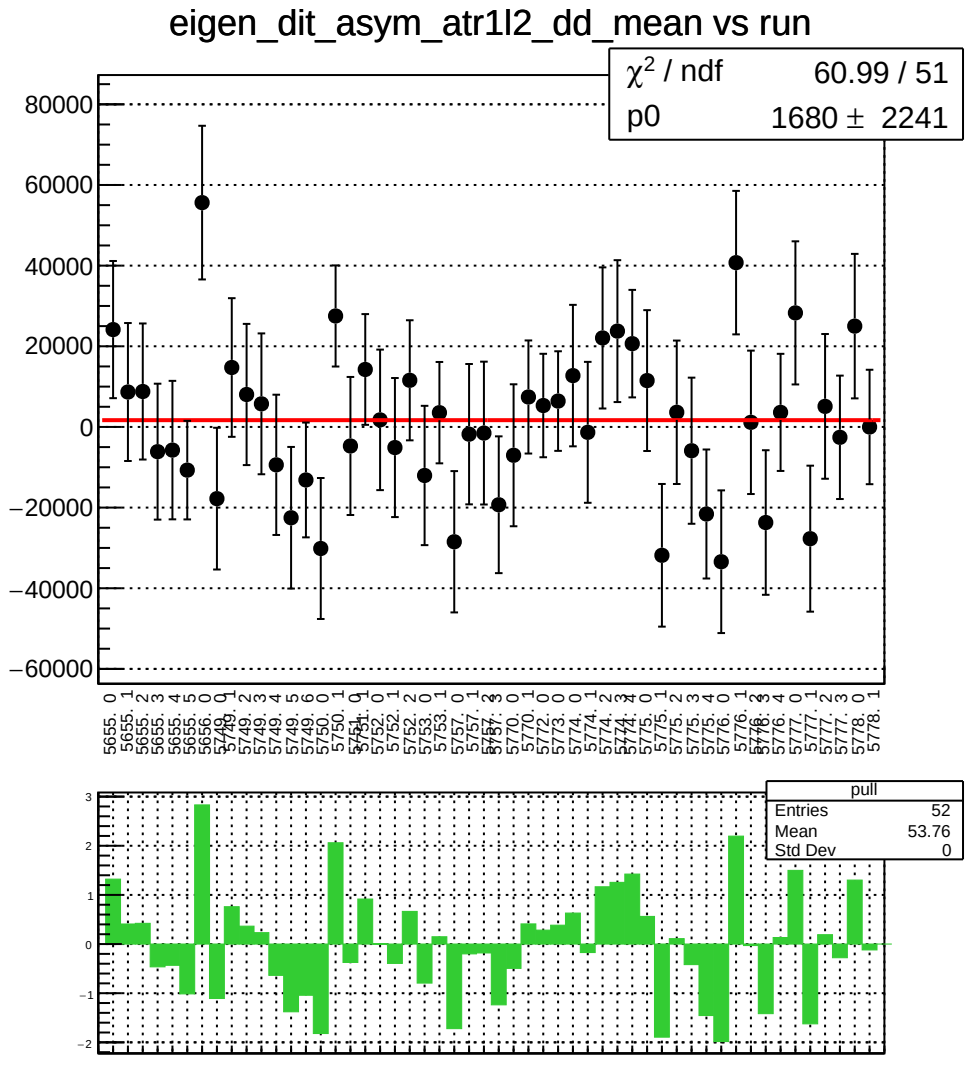

pull1D
Entries 52
Mean −0.01936
Std Dev 1.083

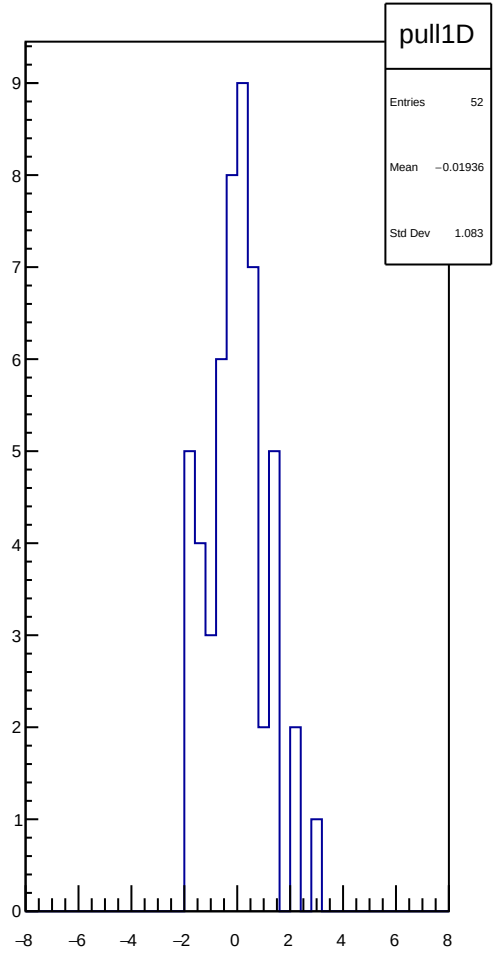

dit_asym_atr1l2_dd_rms vs run
χ² / ndf 304.8 / 51
p0 1659 ± 1.585
1740
1720
1700
1680
1660
1640
1620
1600
1580
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

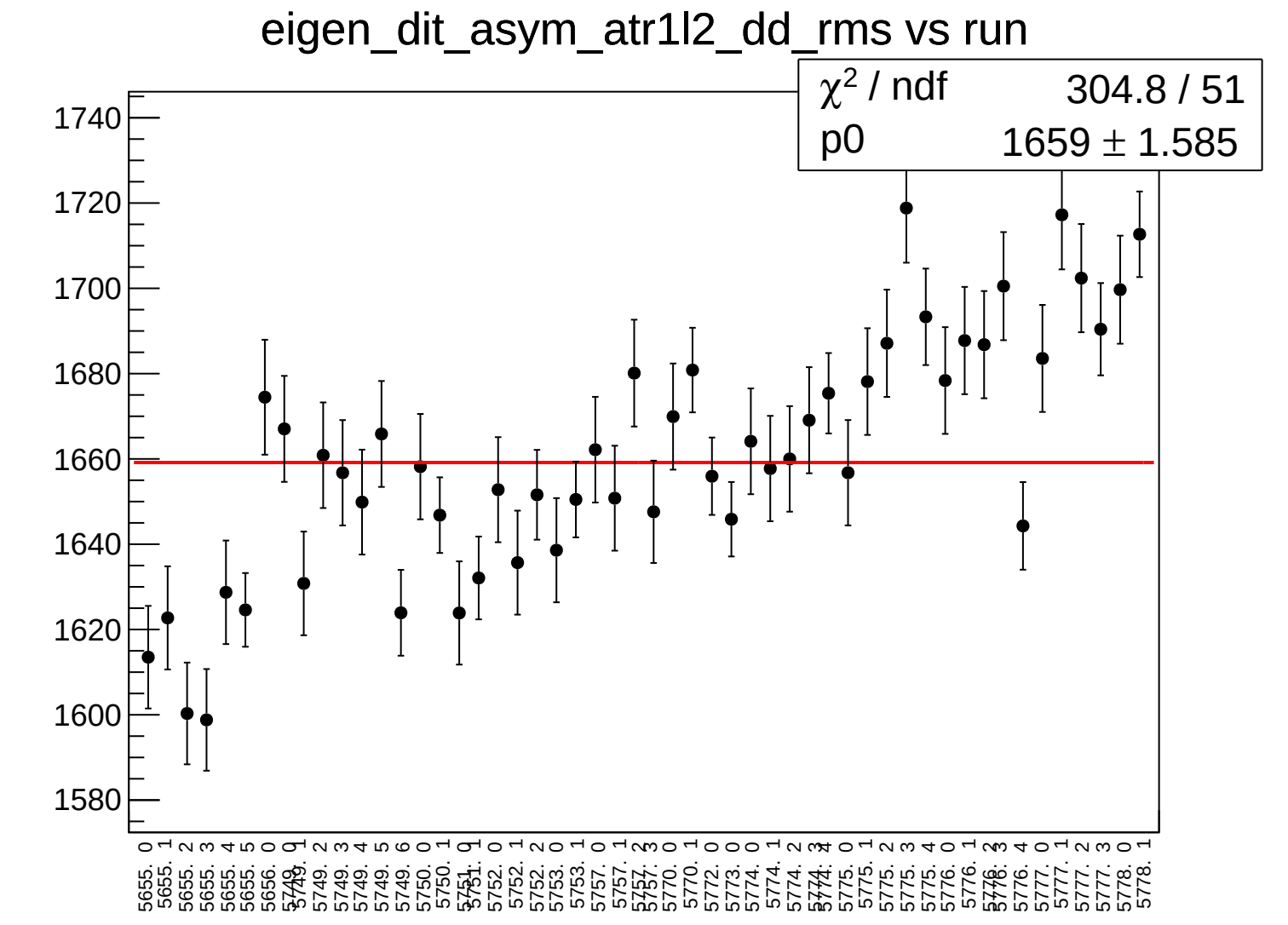

asym_atr1l2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 50.36 / 51
p0 2142 ± 4547
100
50
0
−50
−100
pull
Entries 52
Mean 52.55
Std Dev 55.14
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.01065
Std Dev 0.984
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 1.271e+04 / 51
p0 3347 ± 3.215
4400
4200
4000
3800
3600
3400
3200
3000
2800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_dit_asym_atr1l2_dd_mean vs run
χ² / ndf 60.99 / 51
p0 1680 ± 2241
pull
Entries 52
Mean 53.76
Std Dev 0


pull1D
Entries 52
Mean −0.01936
Std Dev 1.083


eigen_dit_asym_atr1l2_dd_rms vs run
χ² / ndf 304.8 / 51
p0 1659 ± 1.585
1740
1720
1700
1680
1660
1640
1620
1600
1580
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
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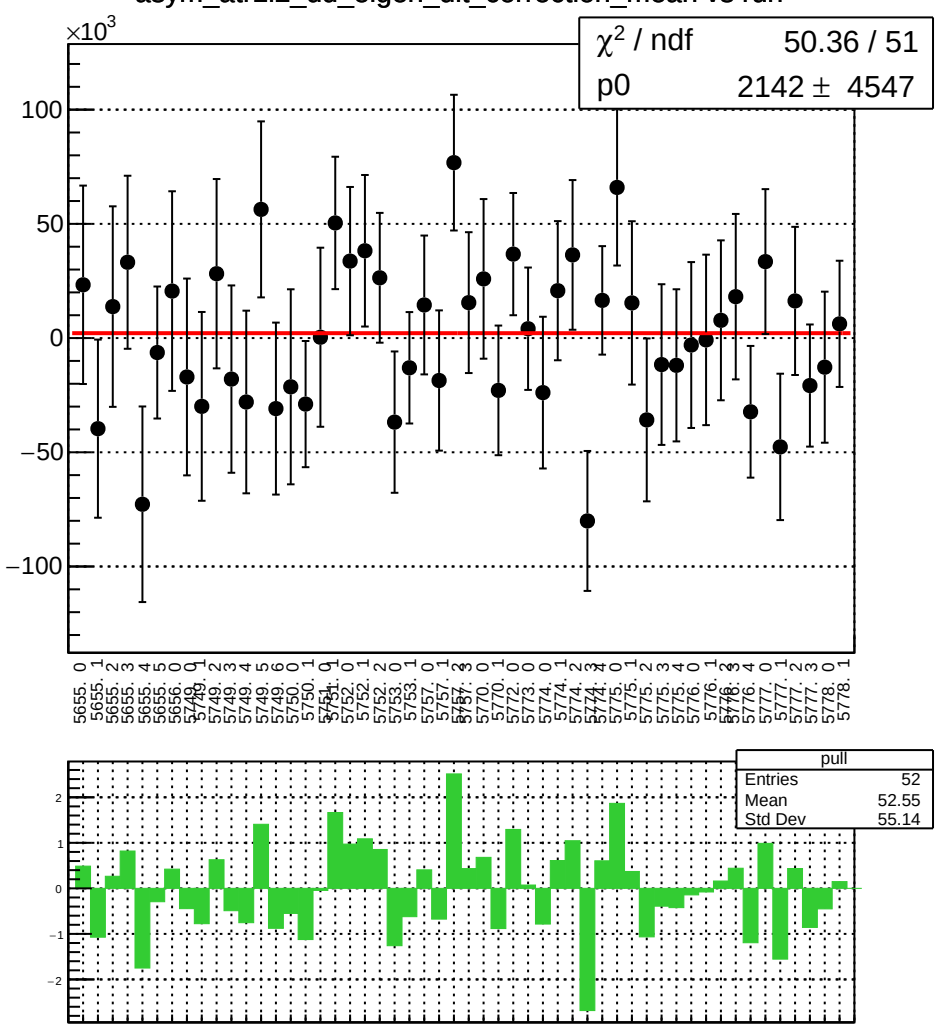
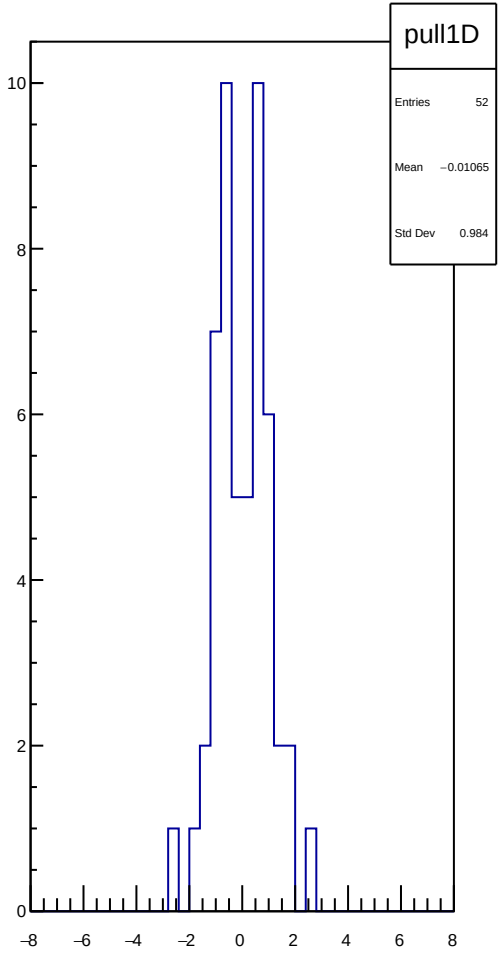
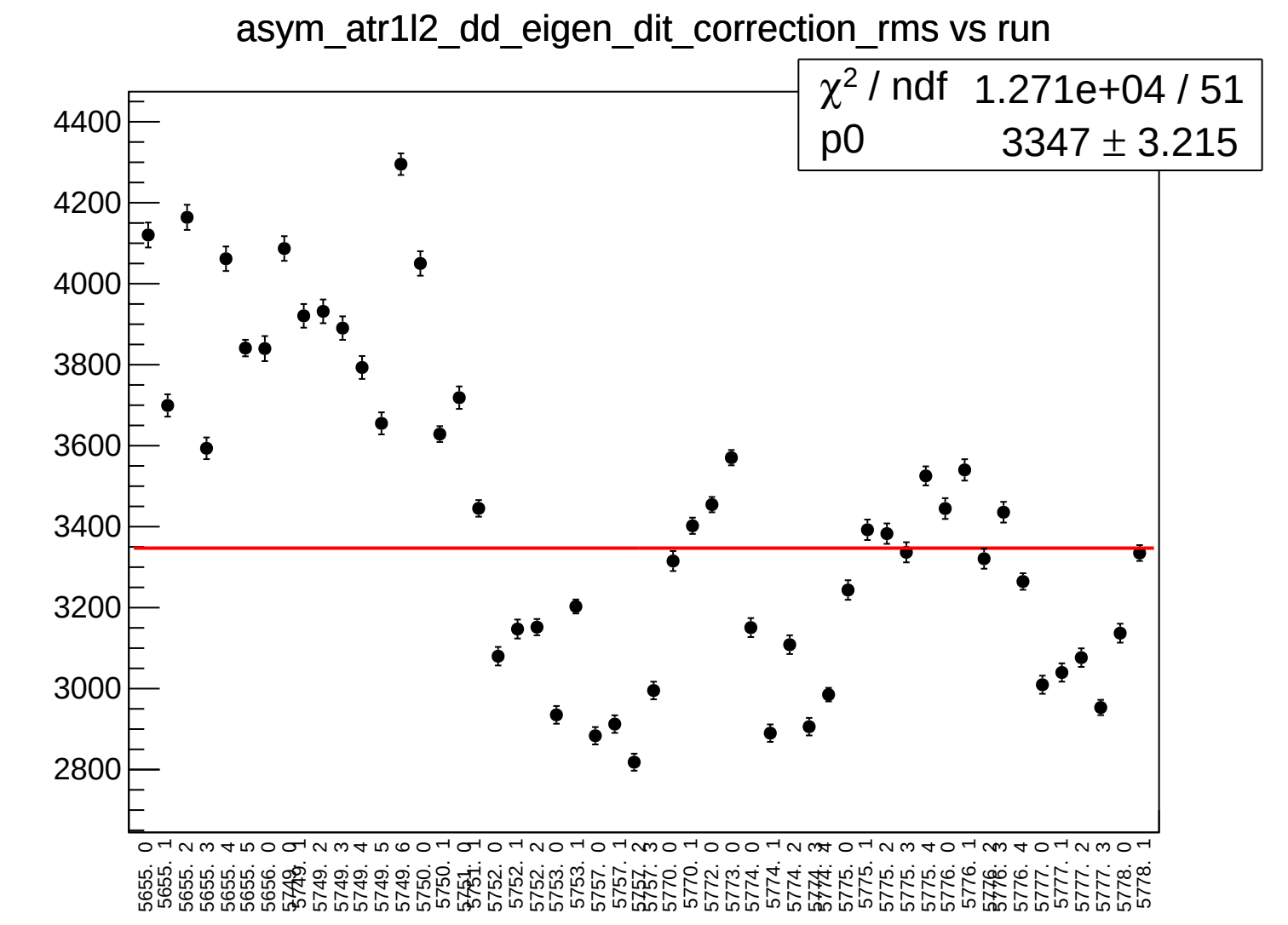
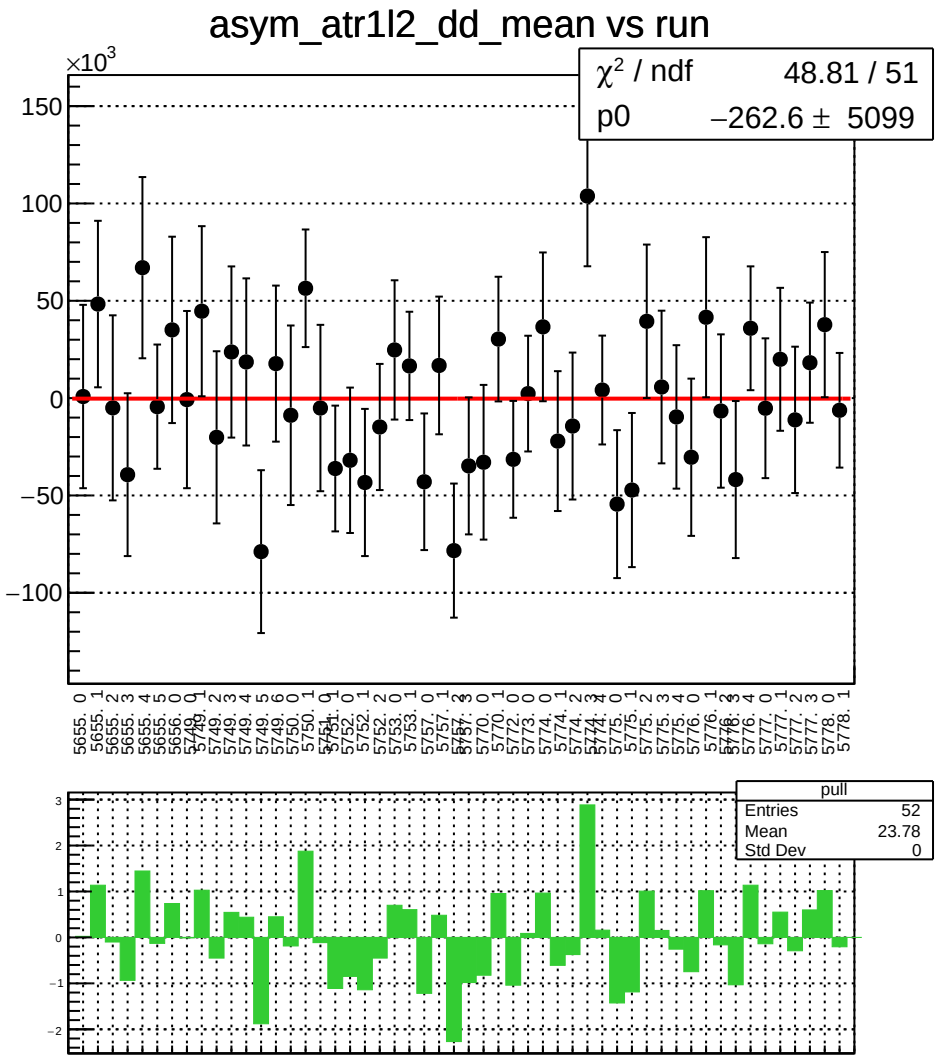
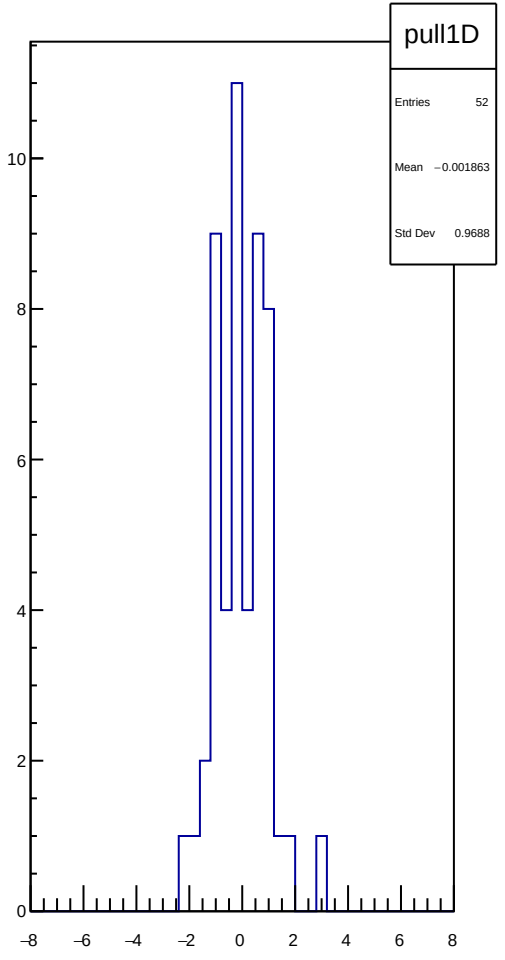
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

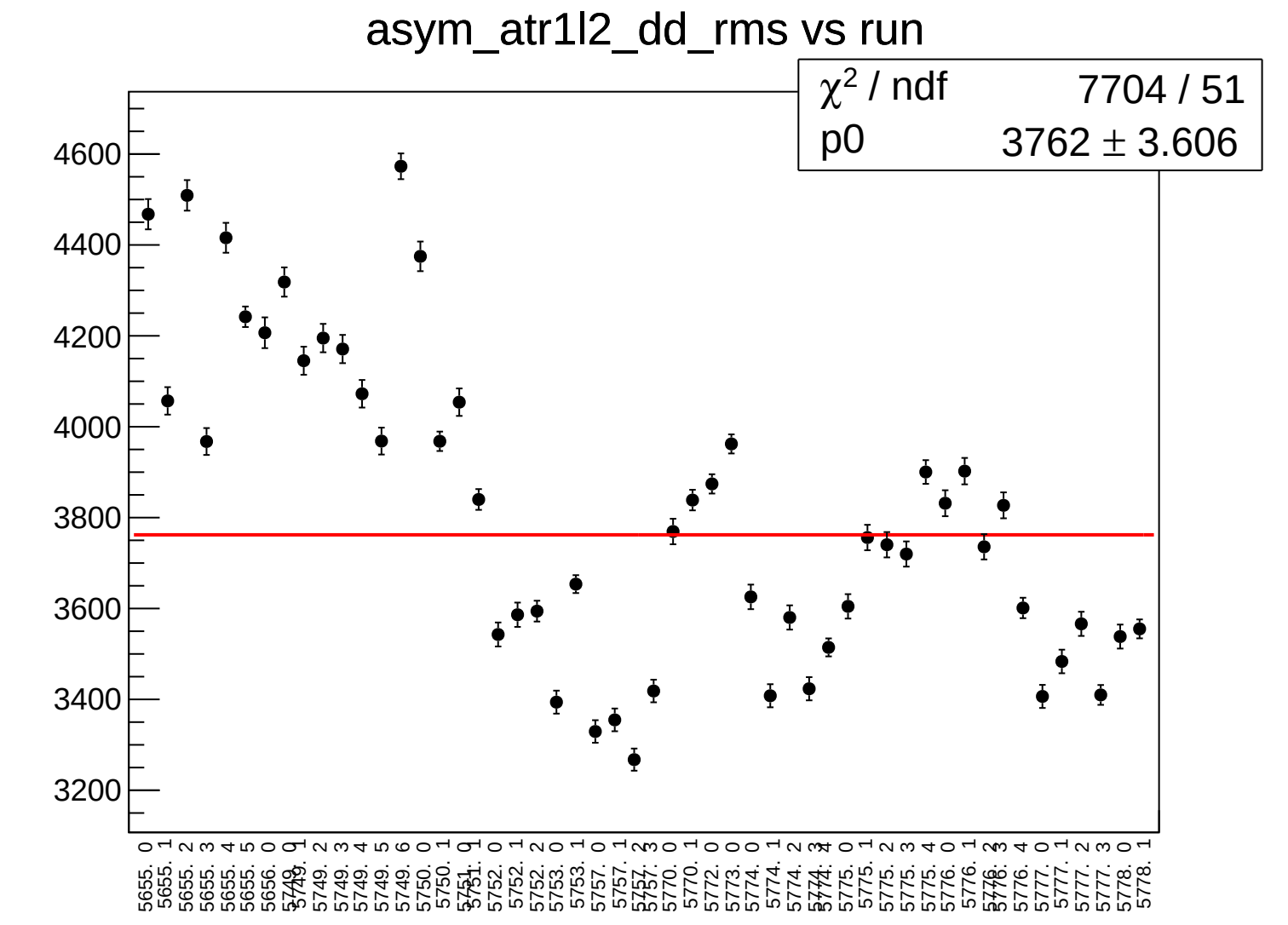

asym_atr1l2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 50.36 / 51
p0 2142 ± 4547
100
50
0
−50
−100
pull
Entries 52
Mean 52.55
Std Dev 55.14
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.01065
Std Dev 0.984
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1l2_dd_eigen_dit_correction_rms vs run
χ^2 / ndf 1.271e+04 / 51
p0 3347 ± 3.215
4400
4200
4000
3800
3600
3400
3200
3000
2800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 48.81 / 51
p0 −262.6 ± 5099
150
100
50
0
−50
−100
pull
Entries 52
Mean 23.78
Std Dev 0


pull1D
Entries 52
Mean −0.001863
Std Dev 0.9688
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1l2_dd_rms vs run
χ² / ndf 7704 / 51
p0 3762 ± 3.606
4600
4400
4200
4000
3800
3600
3400
3200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
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5773. 0
5774. 0
5774. 1
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5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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5776. 3
5776. 4
5777. 0
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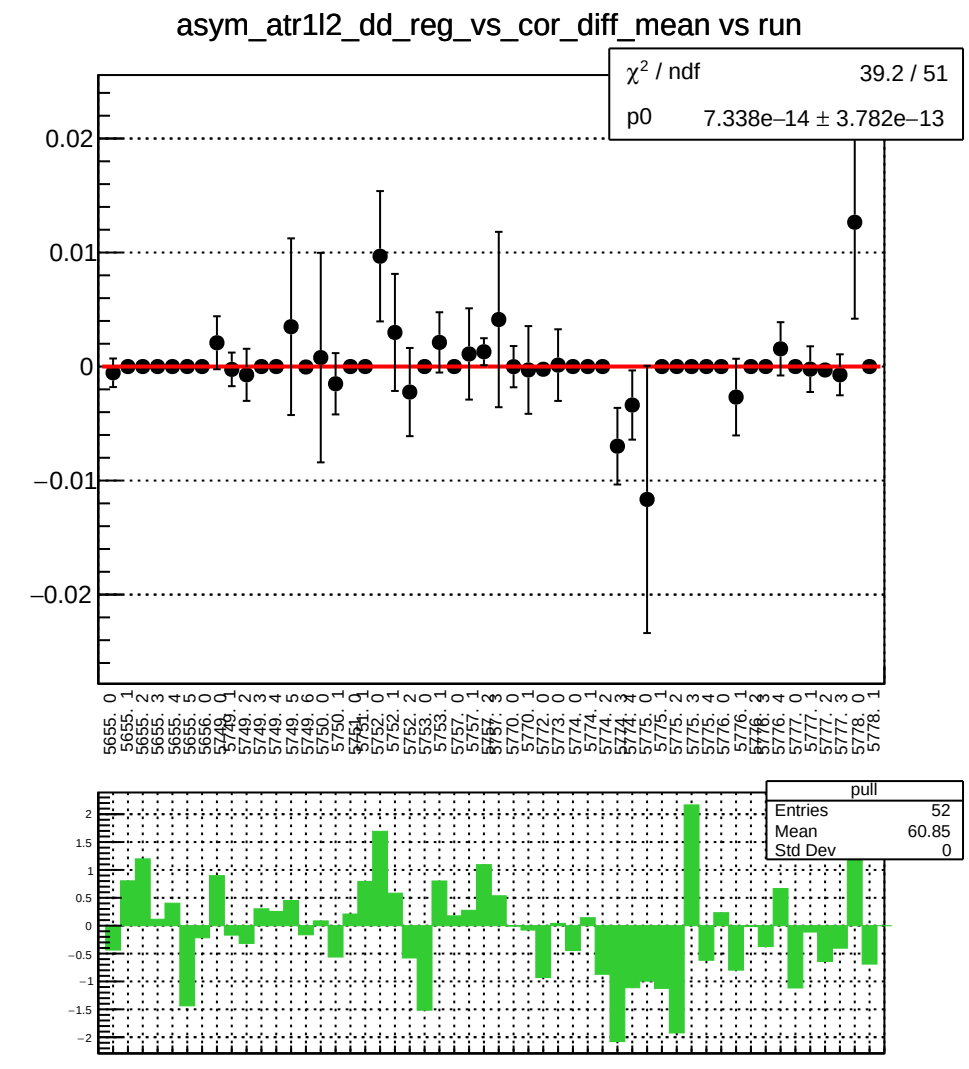
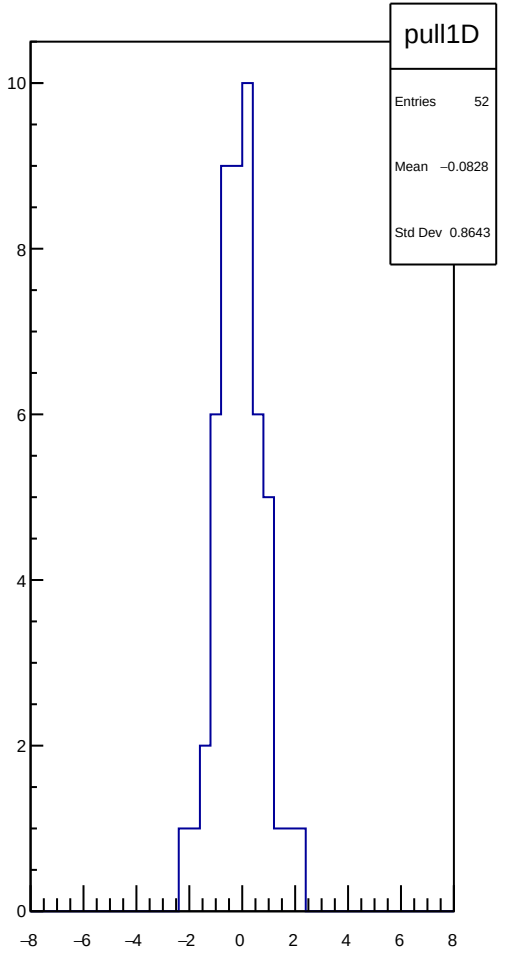
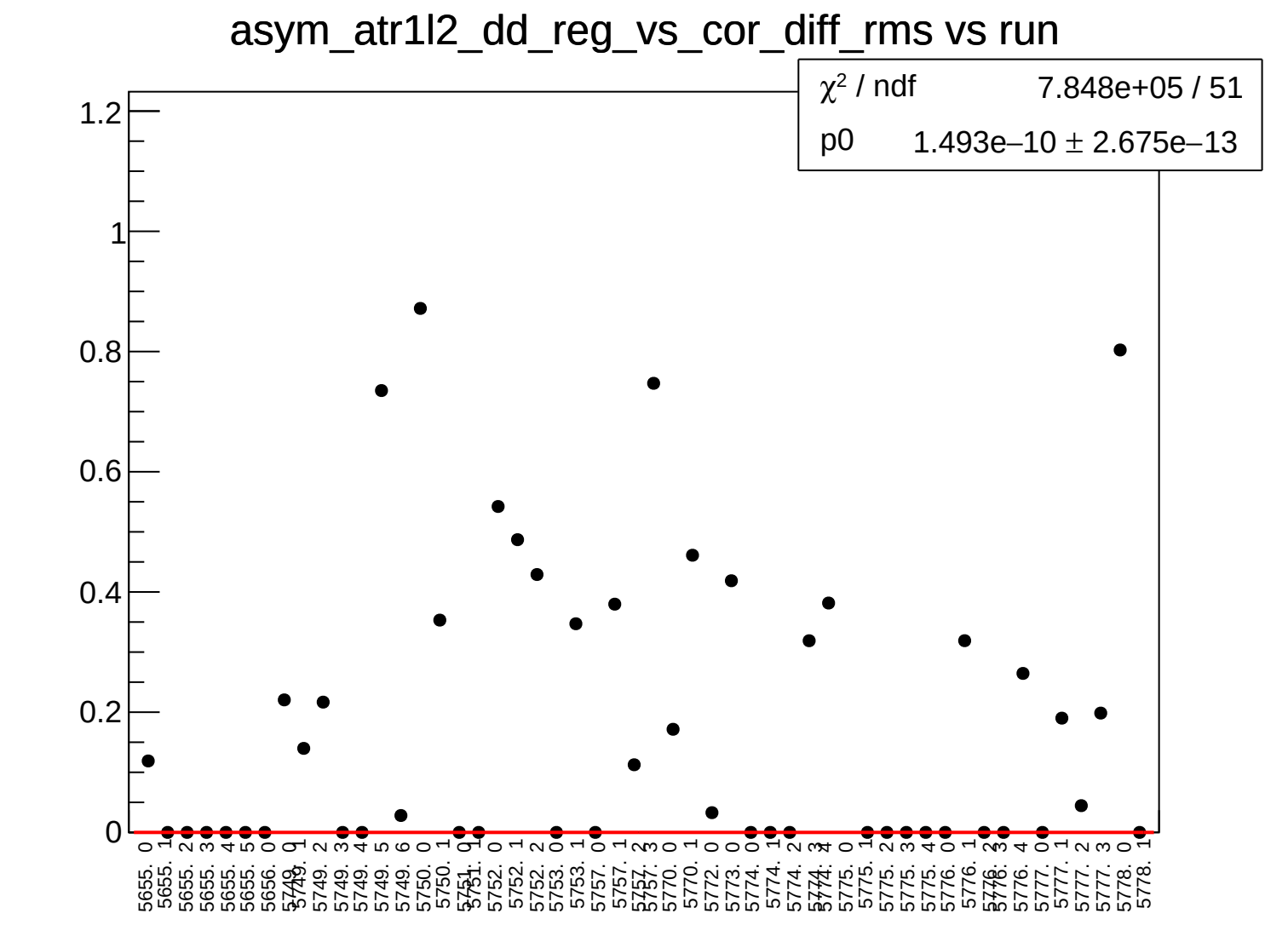
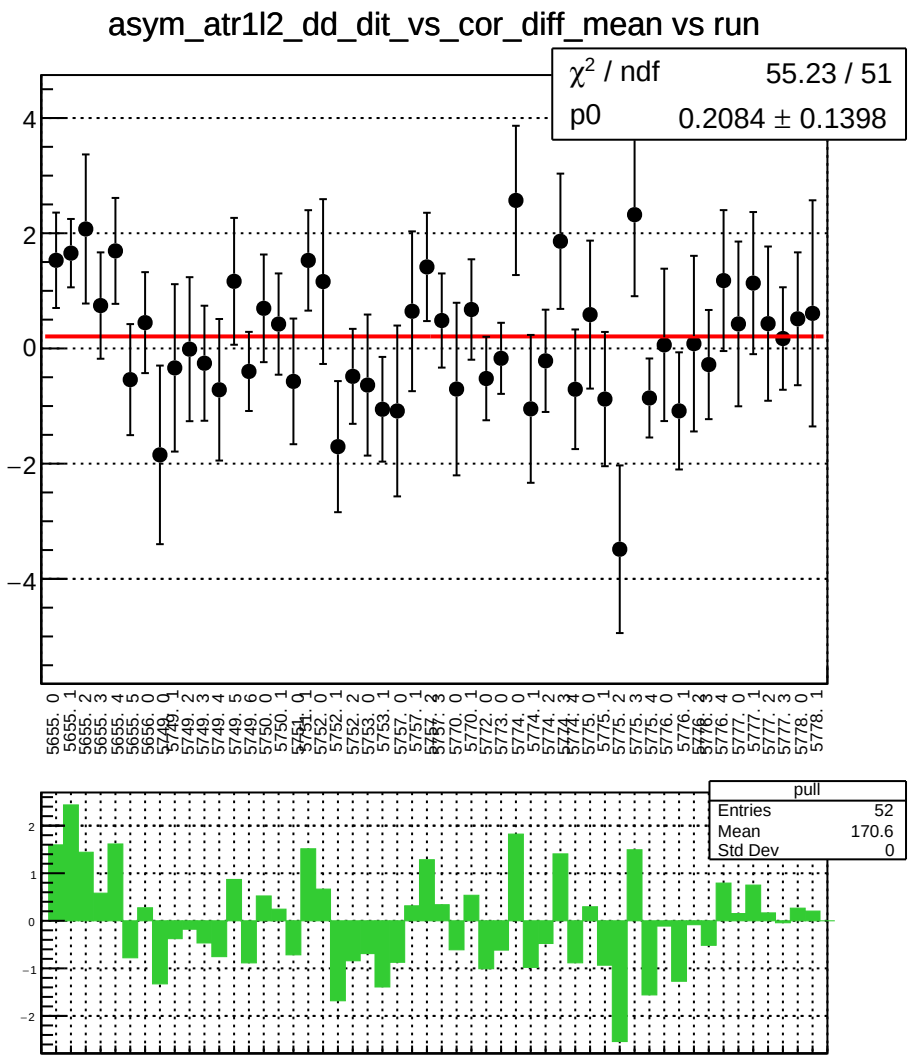
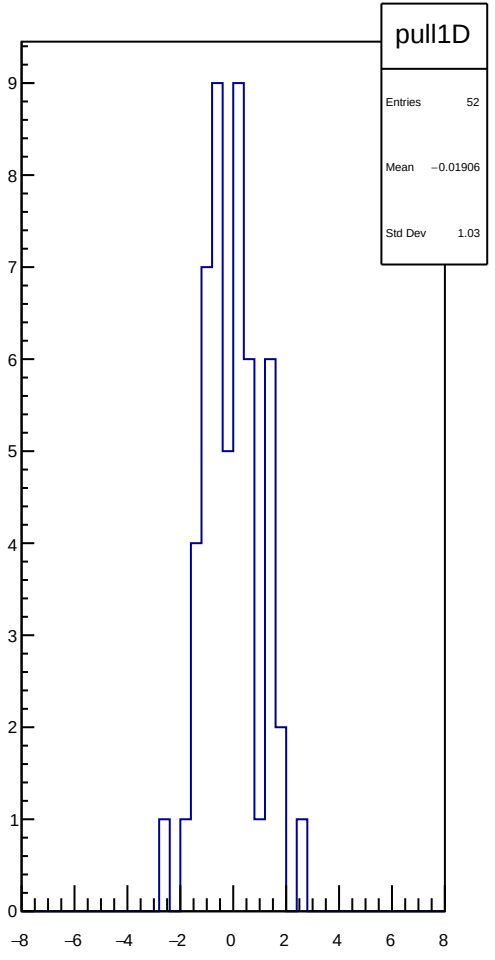
5777. 2
5777. 3
5778. 0
5778. 1

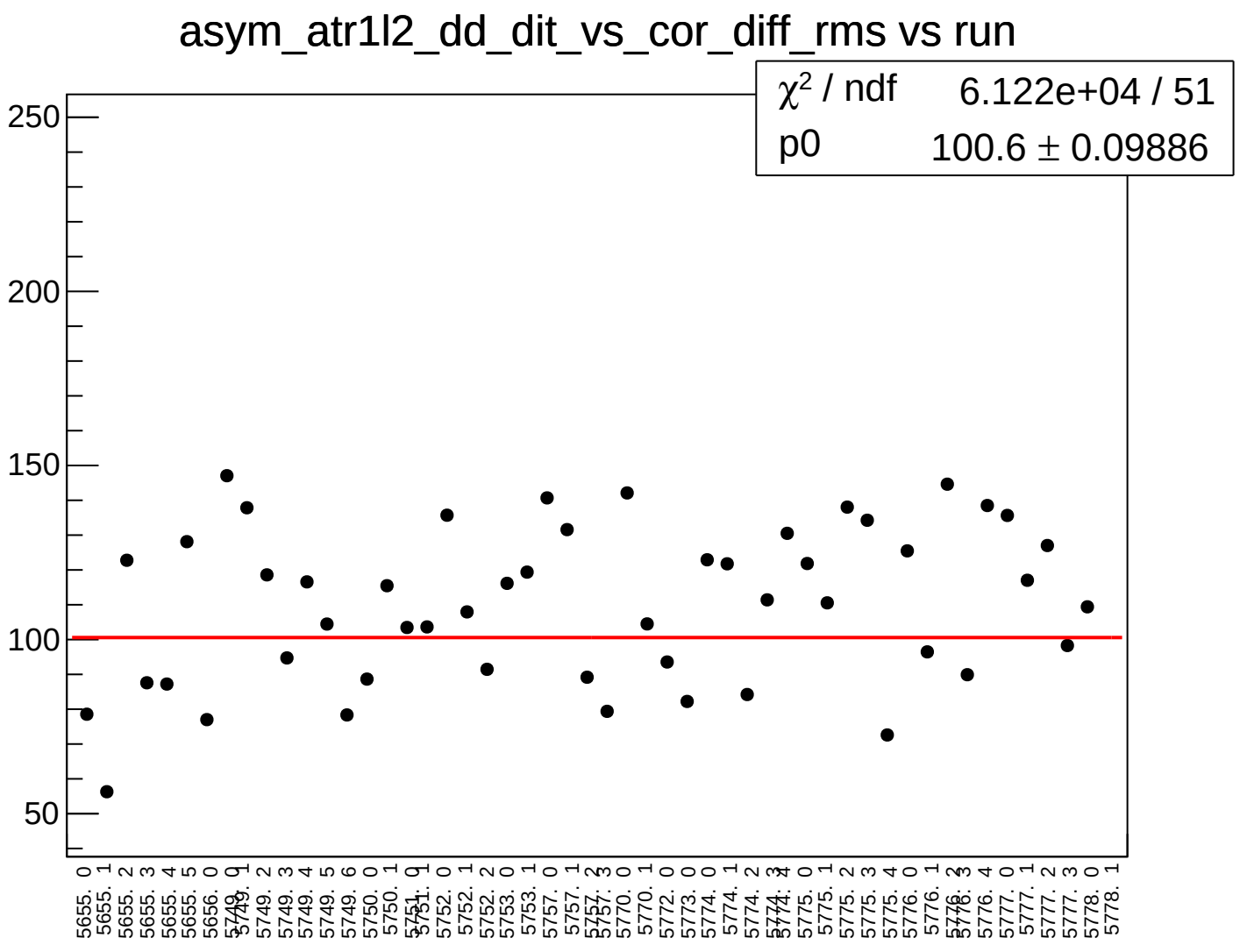

asym_atr1l2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 39.2 / 51
p0 7.338e−14 ± 3.782e−13
0.02
0.01
0
−0.01
−0.02
pull
Entries 52
Mean 60.85
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean −0.0828
Std Dev 0.8643
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

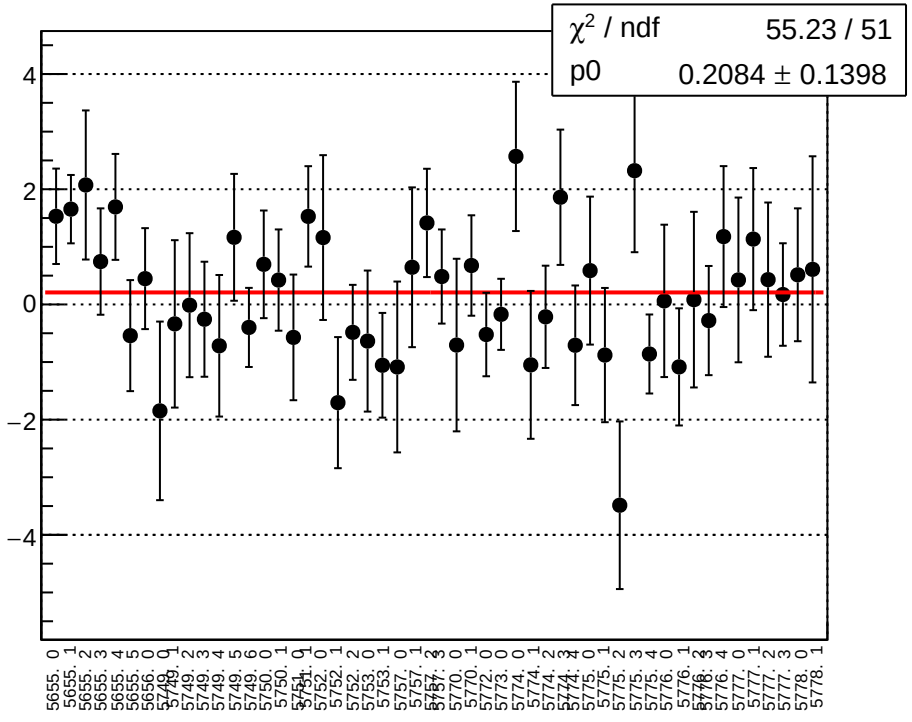

asym_atr1l2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.848e+05 / 51
p0 1.493e−10 ± 2.675e−13
1.2
1
0.8
0.6
0.4
0.2
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

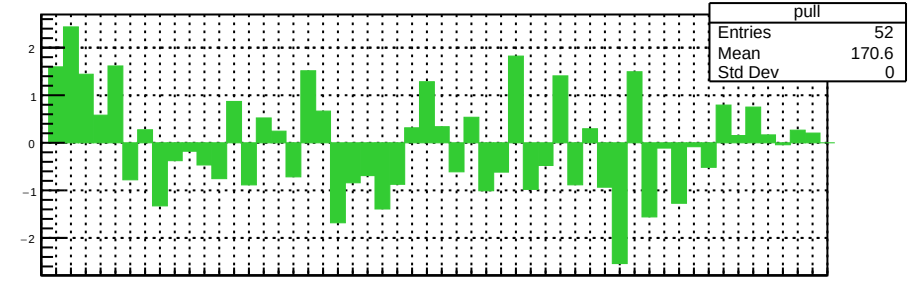

asym_atr1l2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 55.23 / 51
p0 0.2084 ± 0.1398
pull
Entries 52
Mean 170.6
Std Dev 0

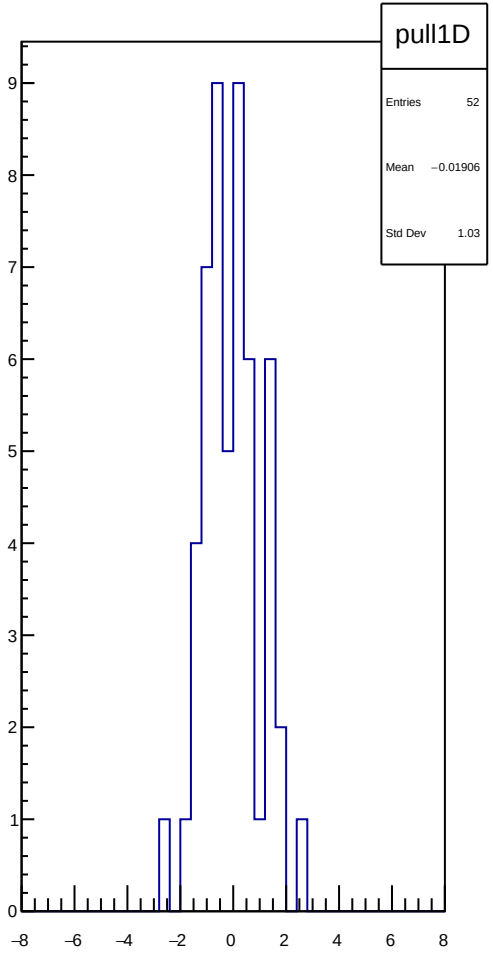

pull1D
Entries 52
Mean −0.01906
Std Dev 1.03

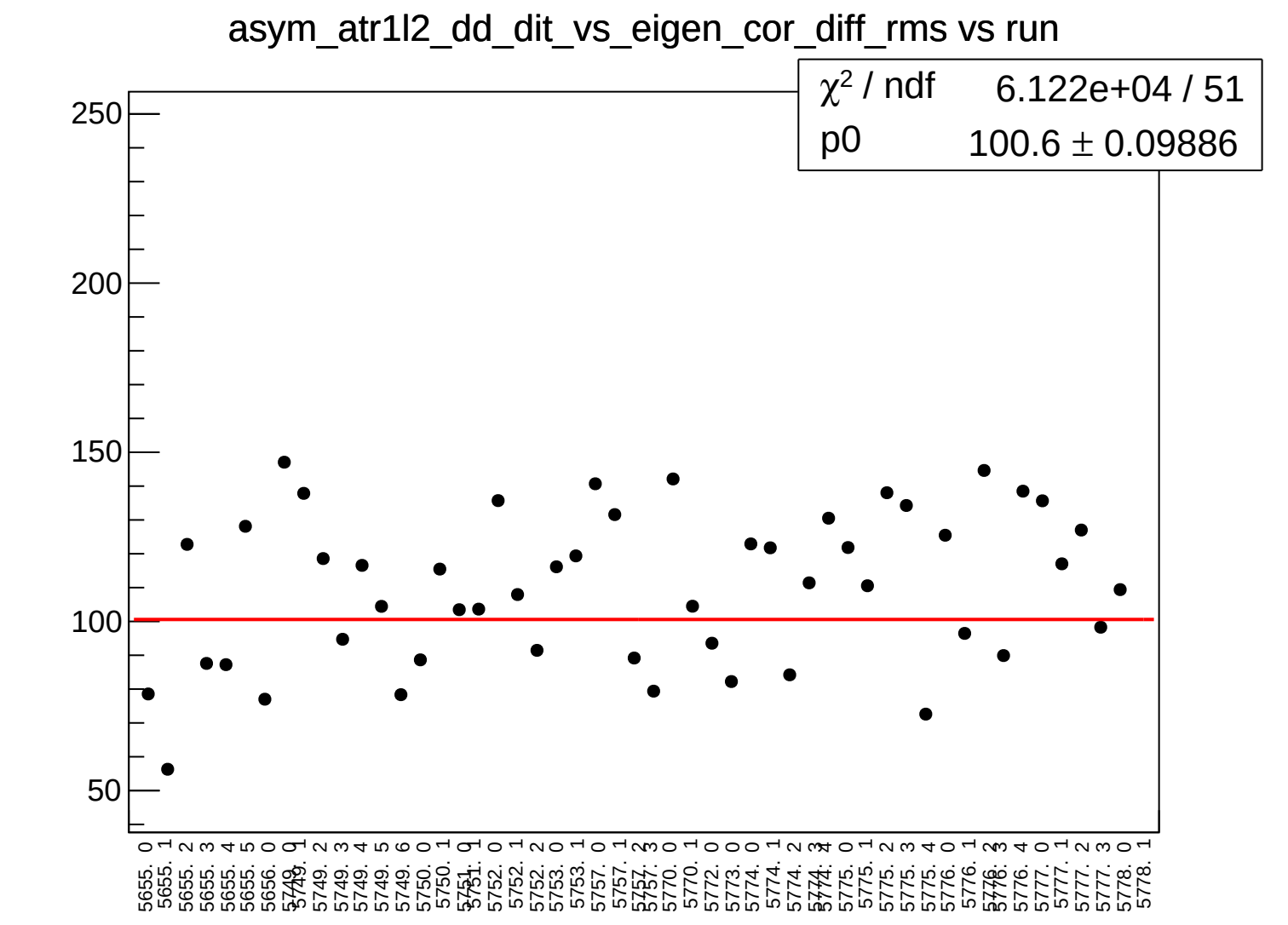

asym_atr1l2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.122e+04 / 51
p0 100.6 ± 0.09886
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

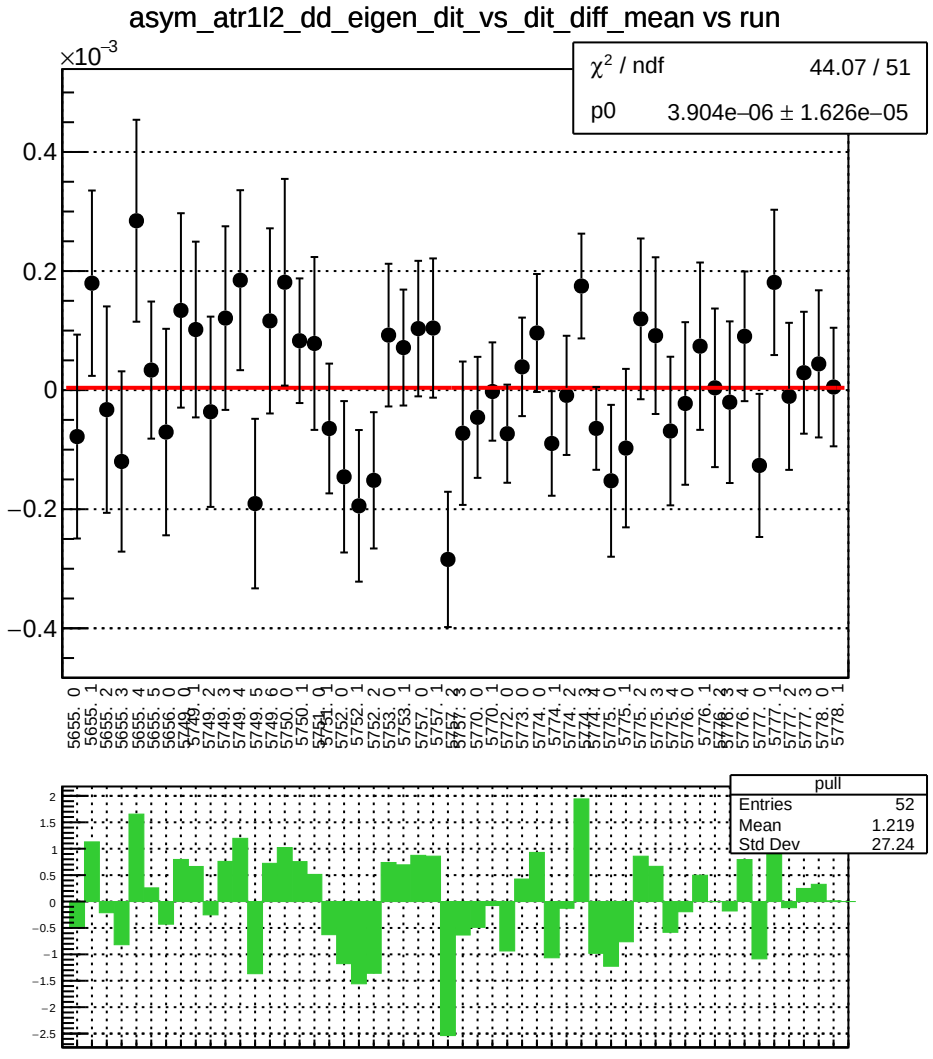
asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs run

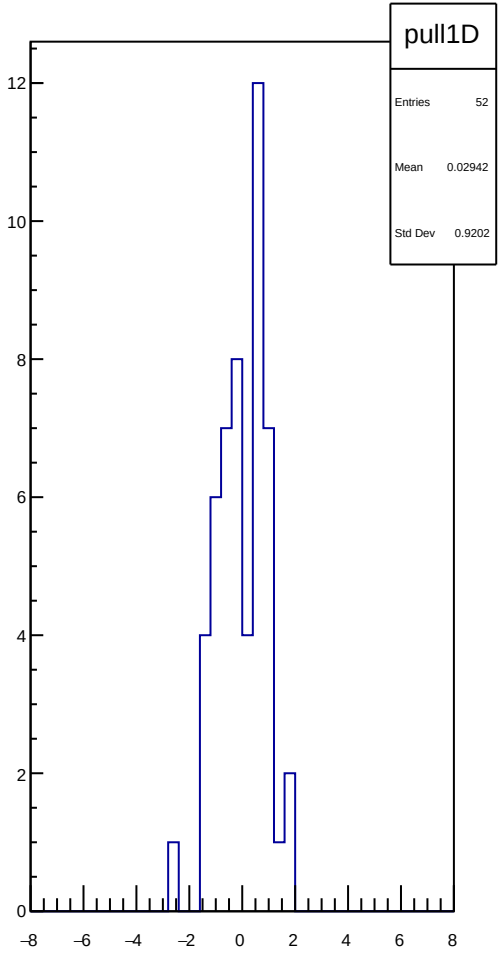


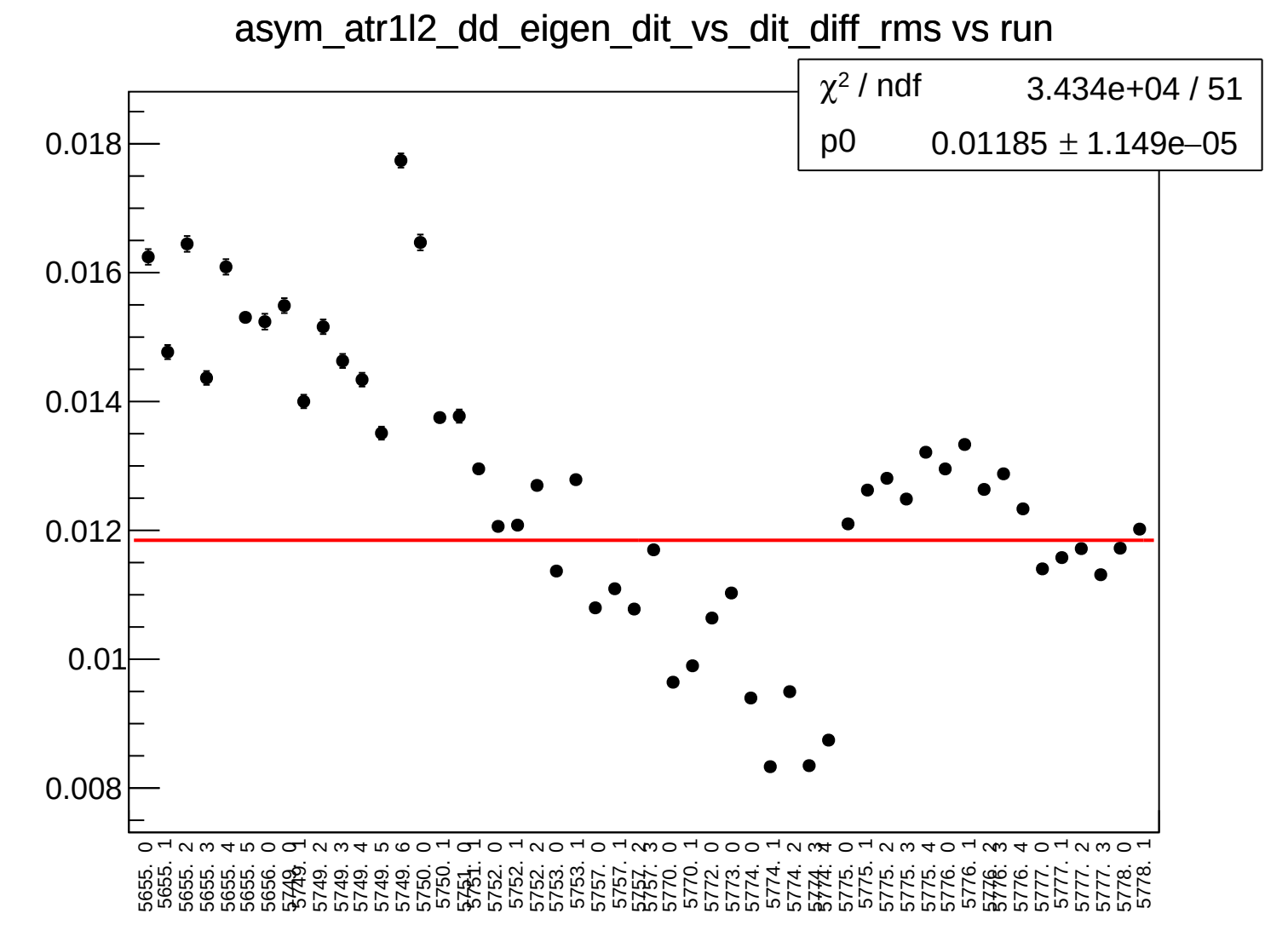


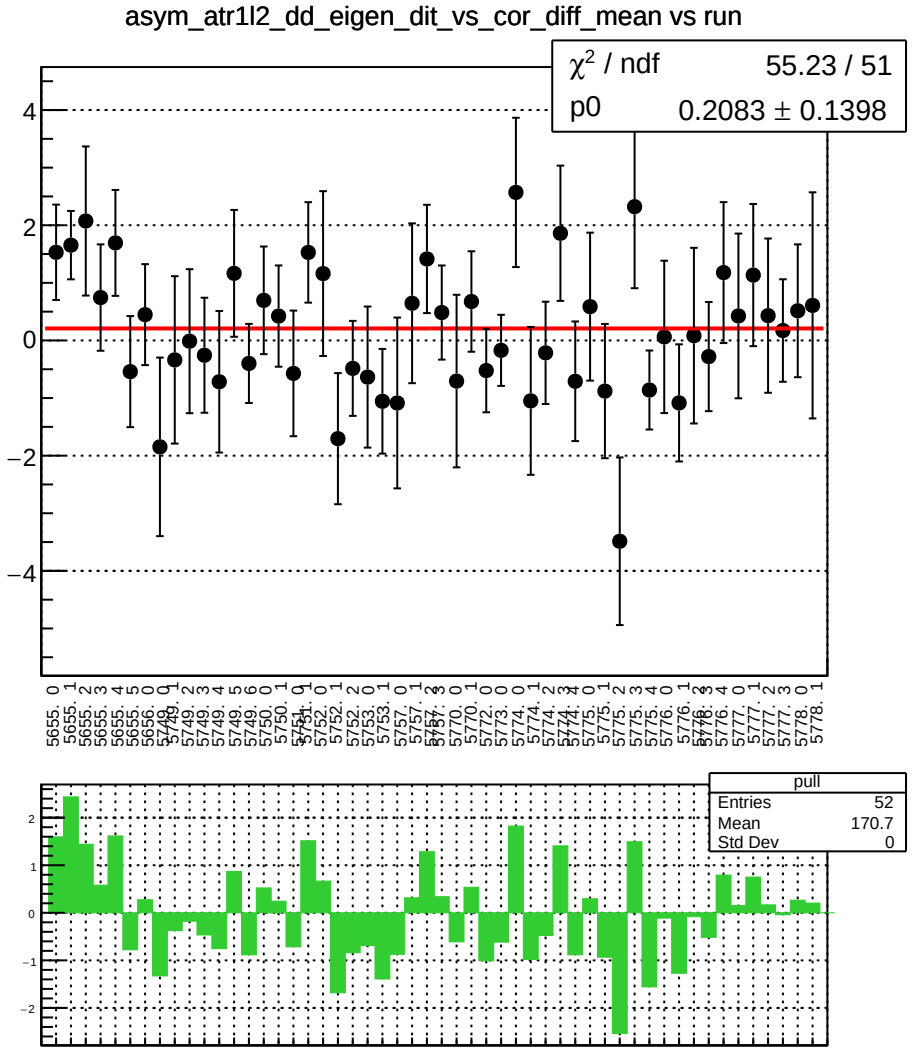


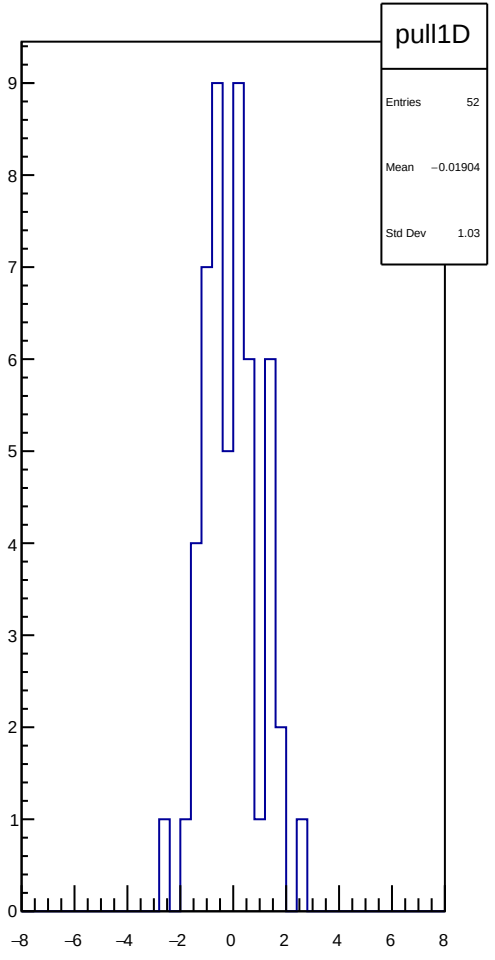

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.122e+04 / 51
p0 100.6 ± 0.09886
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

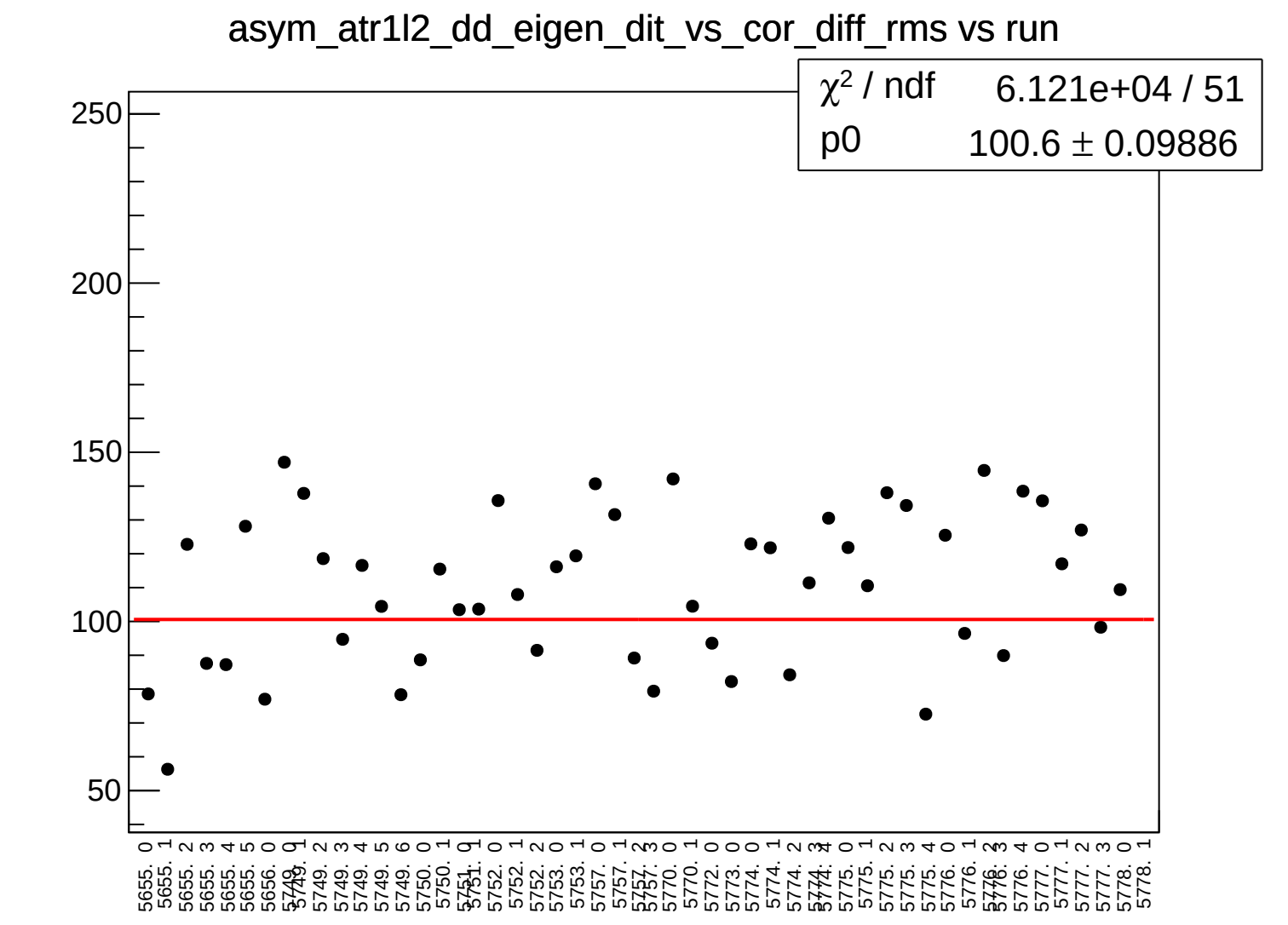

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 44.07 / 51
p0 3.904e−06 ± 1.626e−05
0.4
0.2
0
−0.2
−0.4
pull
Entries 52
Mean 1.219
Std Dev 27.24
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

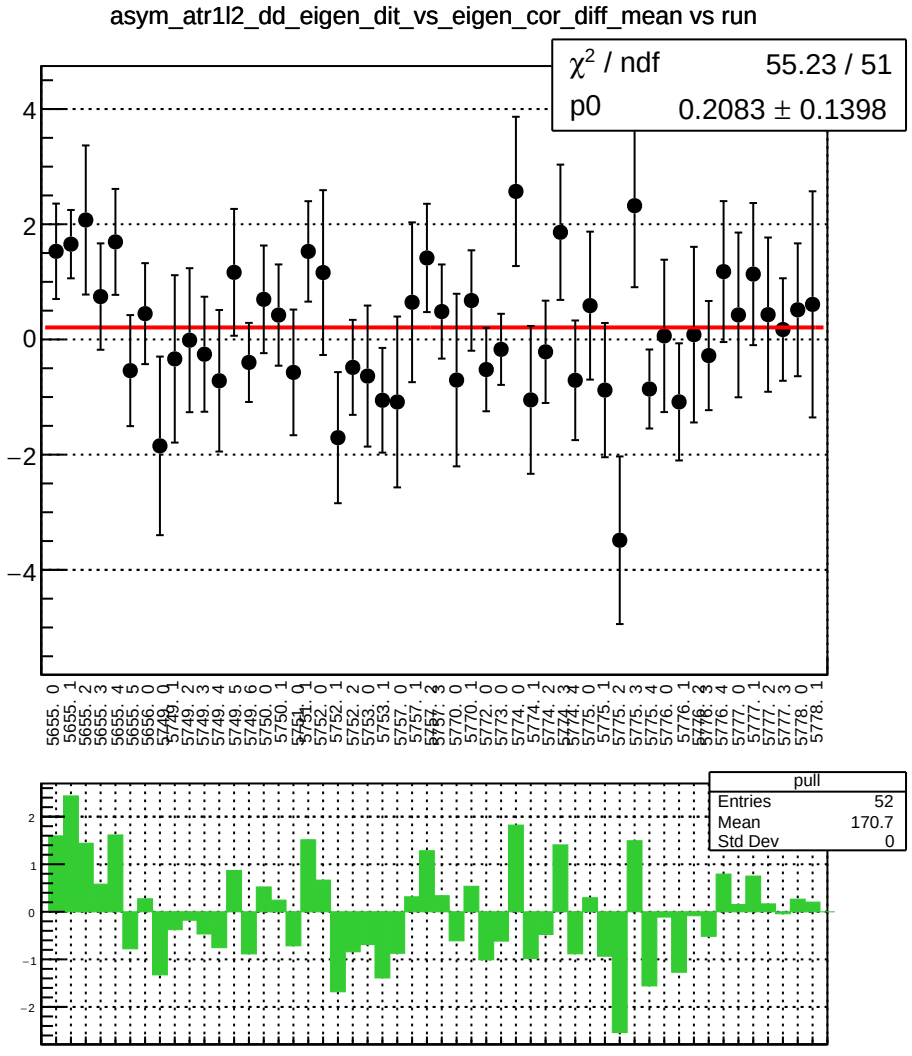

pull1D
Entries 52
Mean 0.02942
Std Dev 0.9202
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

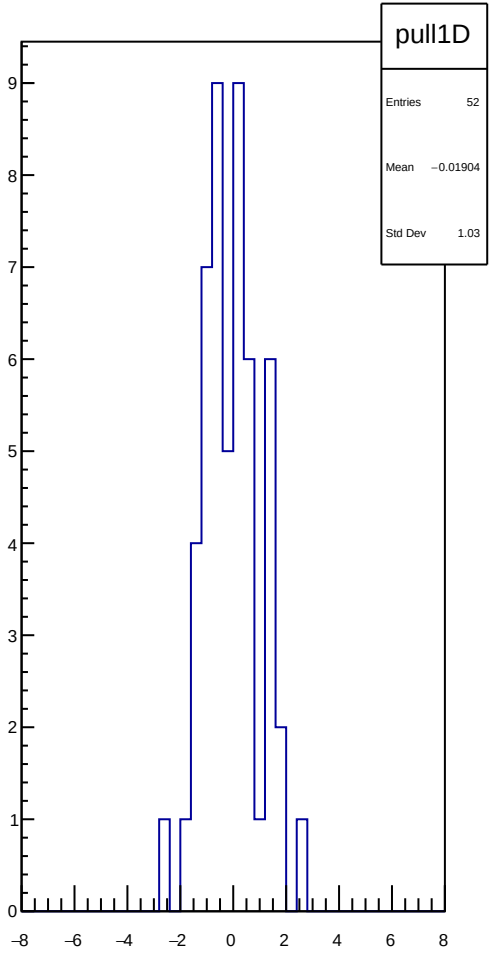

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.434e+04 / 51
p0 0.01185 ± 1.149e−05
0.018
0.016
0.014
0.012
0.01
0.008
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

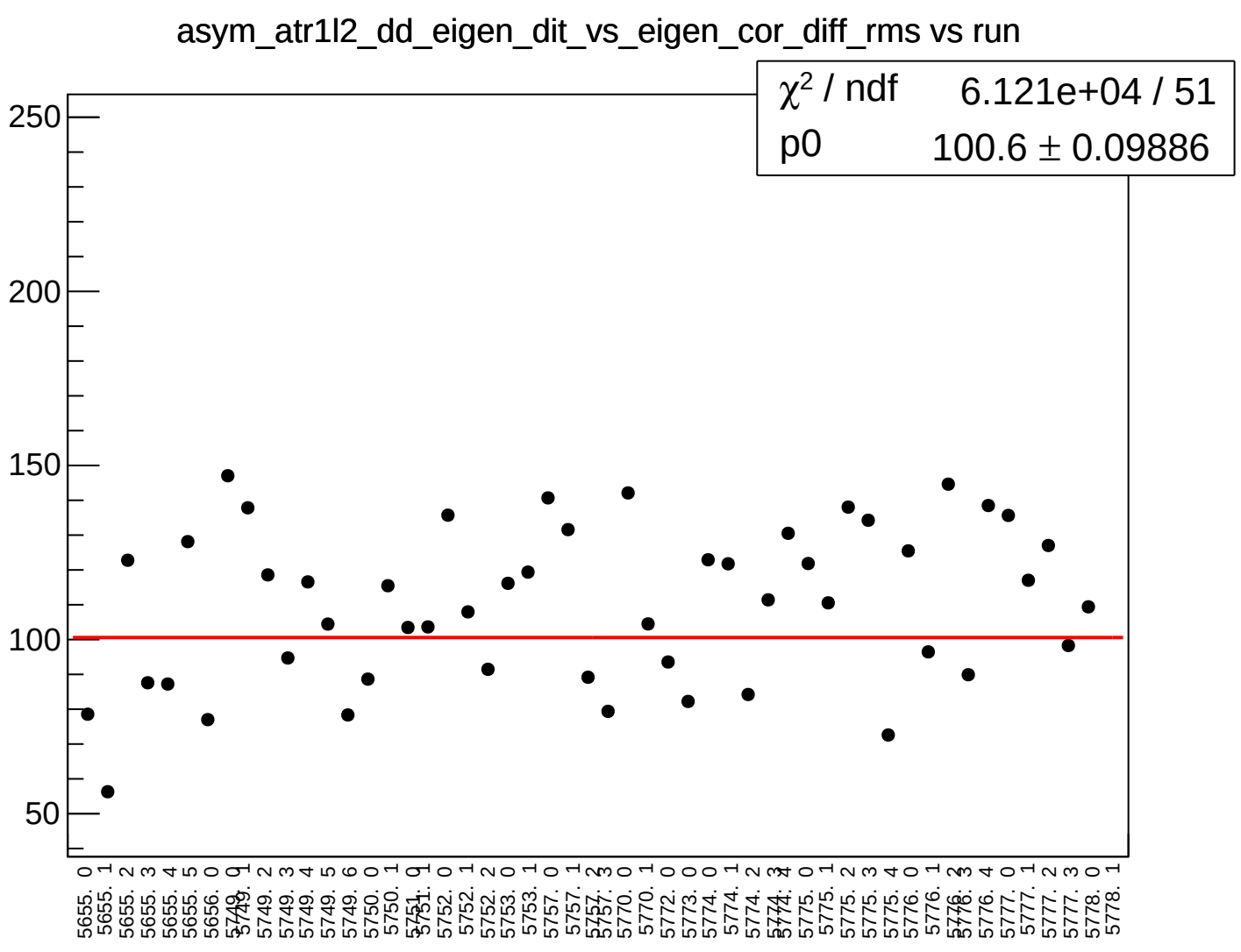

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.23 / 51
p0 0.2083 ± 0.1398
pull
Entries 52
Mean 170.7
Std Dev 0

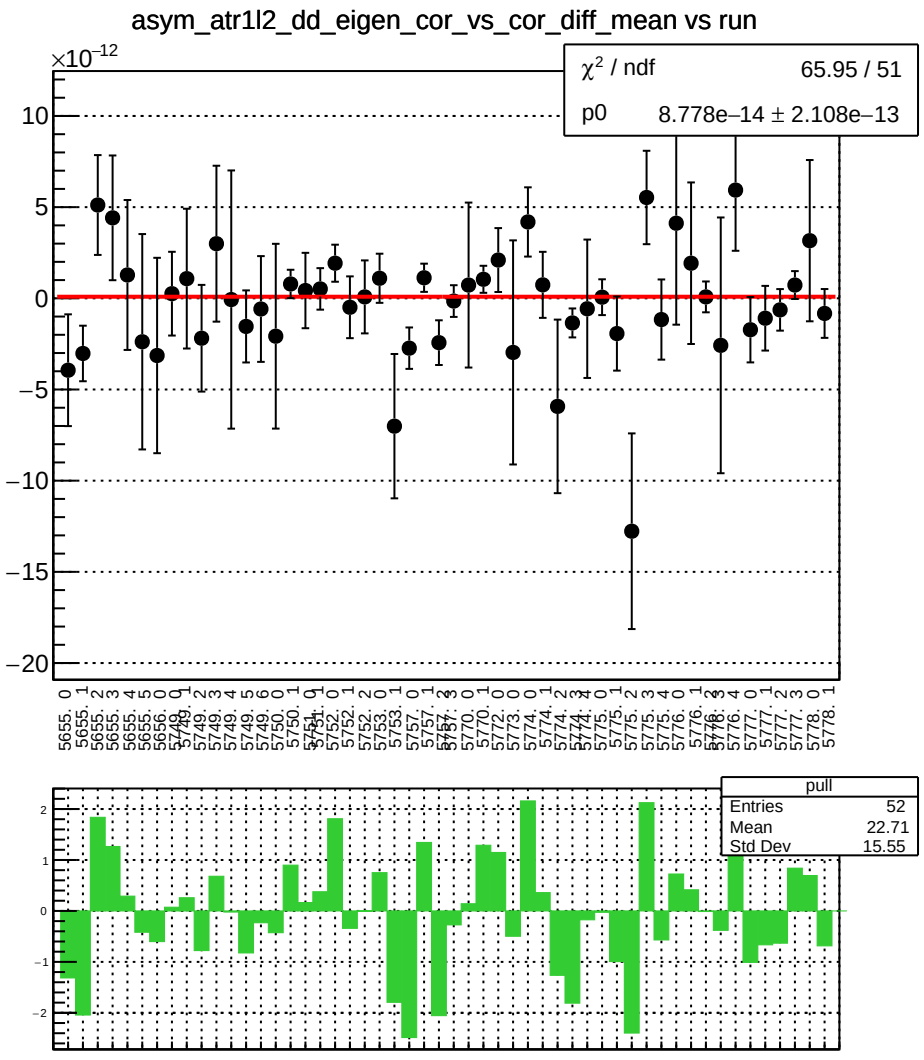

pull1D
Entries 52
Mean −0.01904
Std Dev 1.03

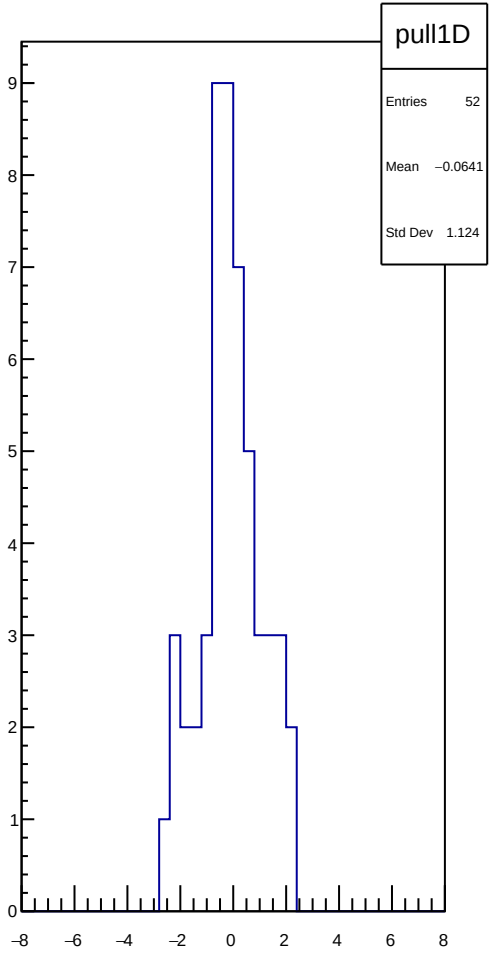

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.121e+04 / 51
p0 100.6 ± 0.09886
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

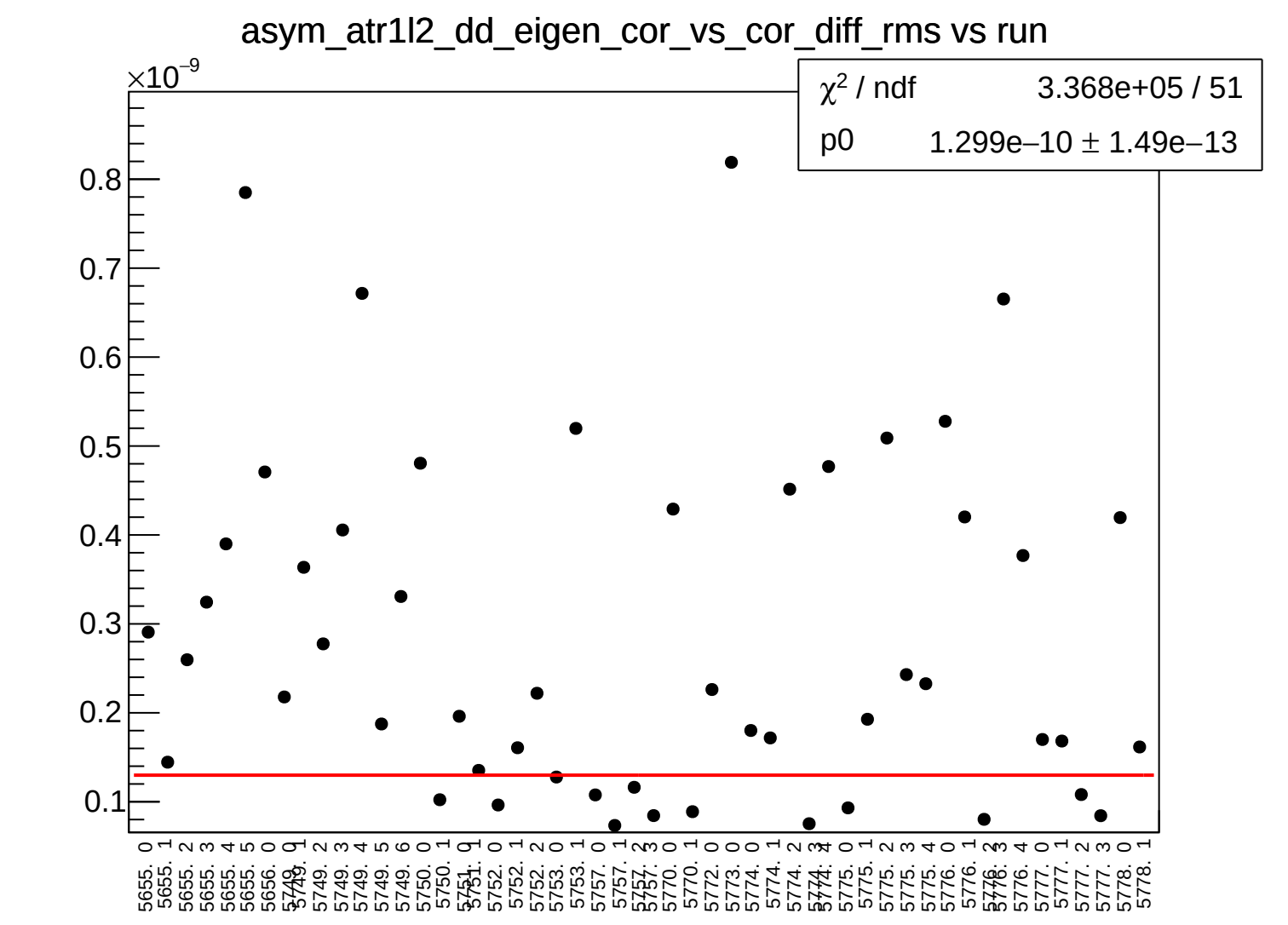

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.23 / 51
p0 0.2083 ± 0.1398
pull
Entries 52
Mean 170.7
Std Dev 0

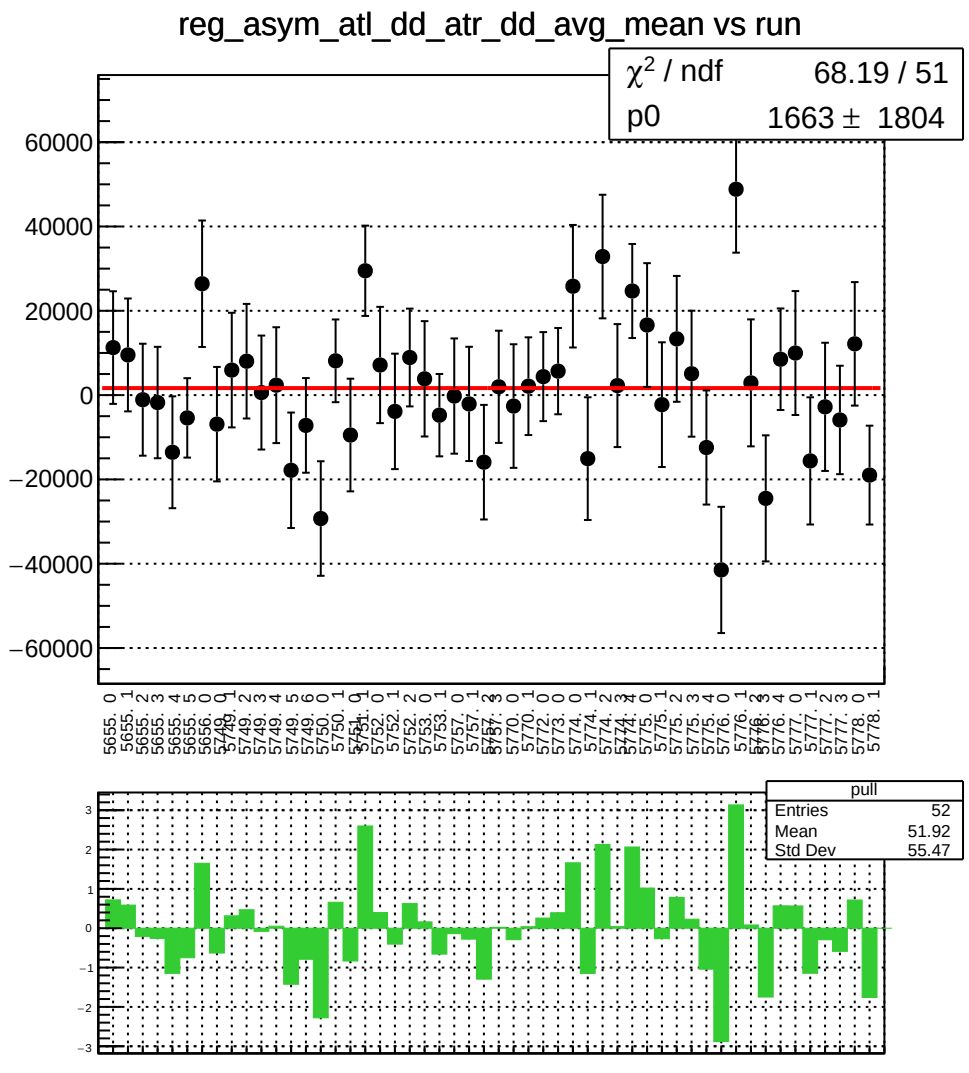

pull1D
Entries 52
Mean −0.01904
Std Dev 1.03

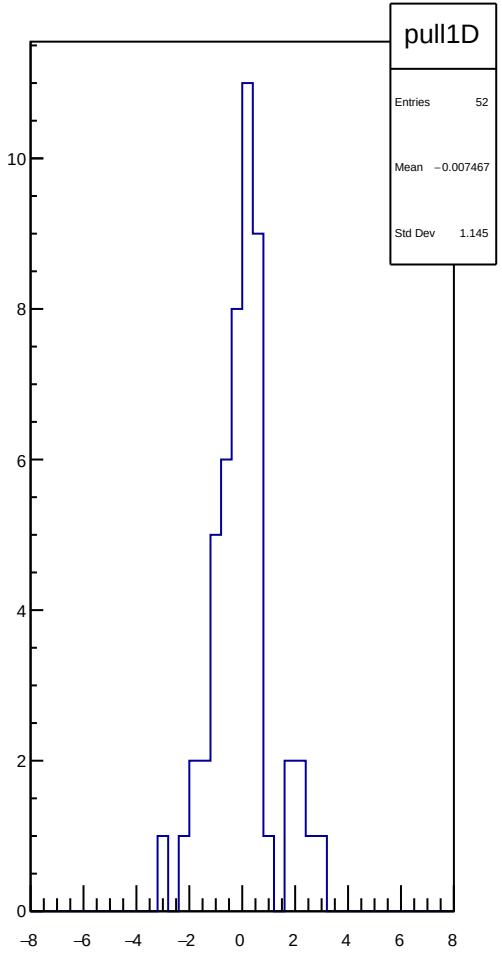

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.121e+04 / 51
p0 100.6 ± 0.09886
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

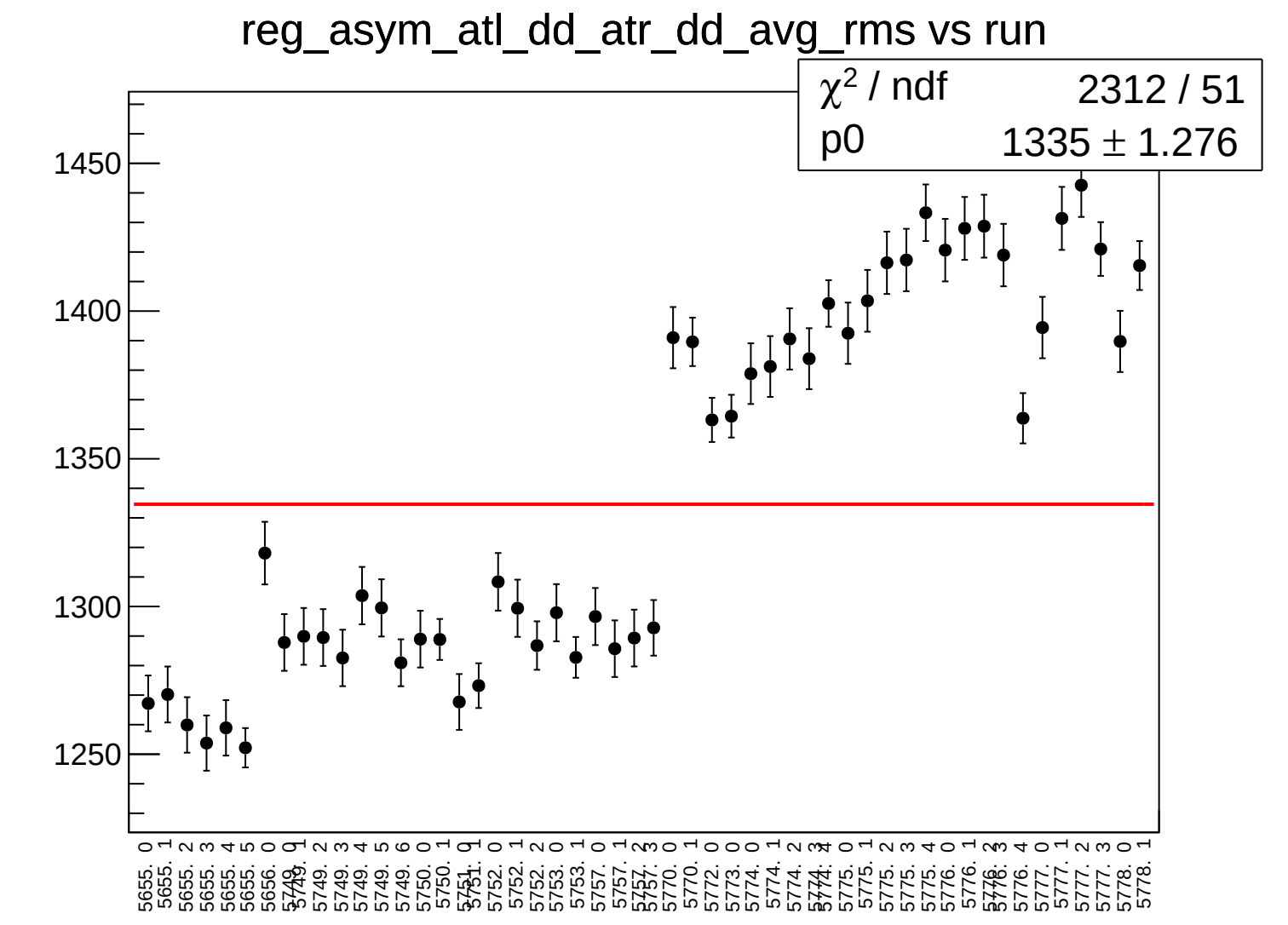

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 65.95 / 51
p0 8.778e−14 ± 2.108e−13
pull
Entries 52
Mean 22.71
Std Dev 15.55

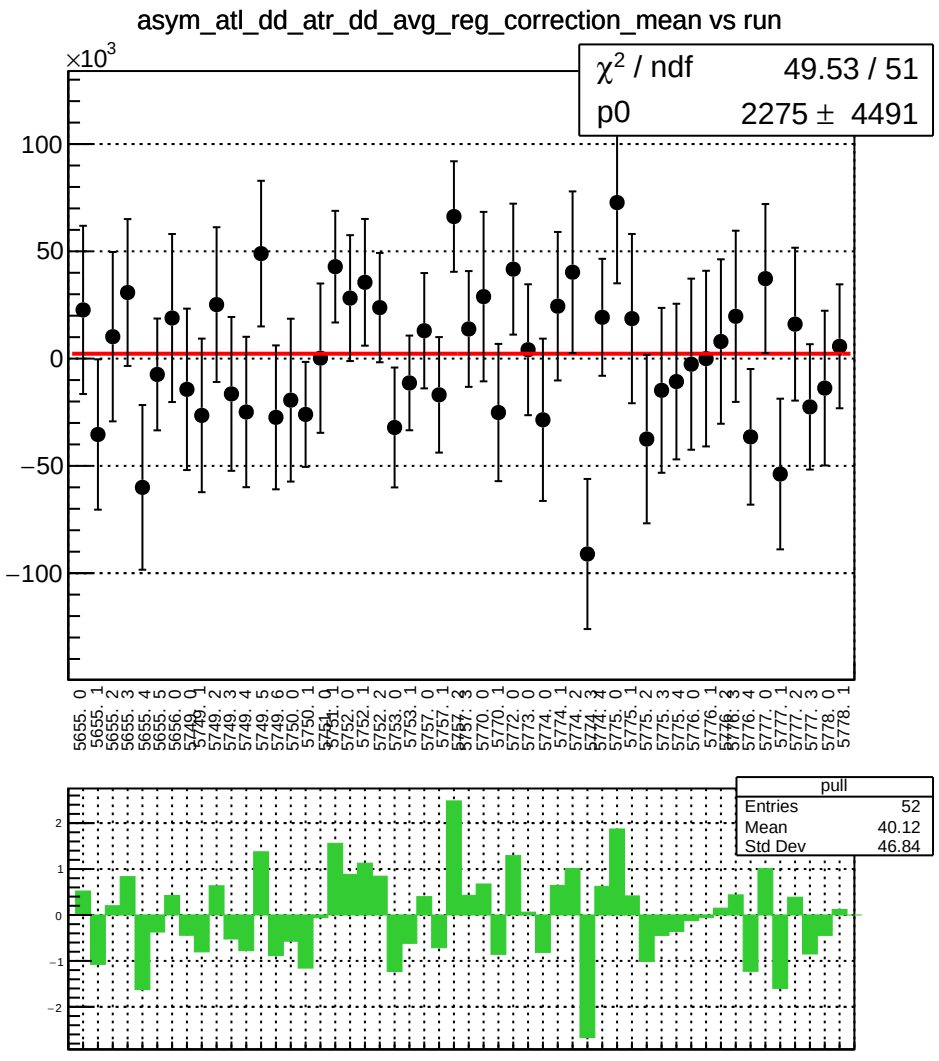

pull1D
Entries 52
Mean −0.0641
Std Dev 1.124

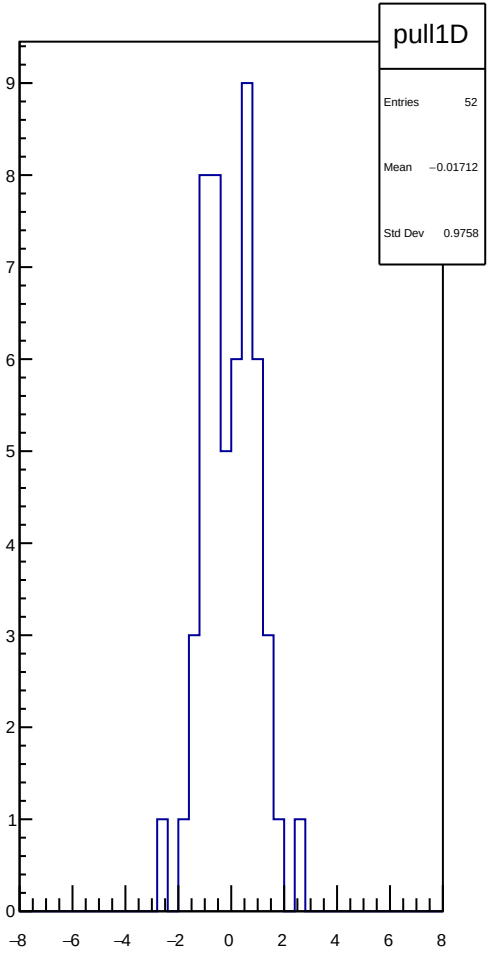

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.368e+05 / 51
p0 1.299e−10 ± 1.49e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

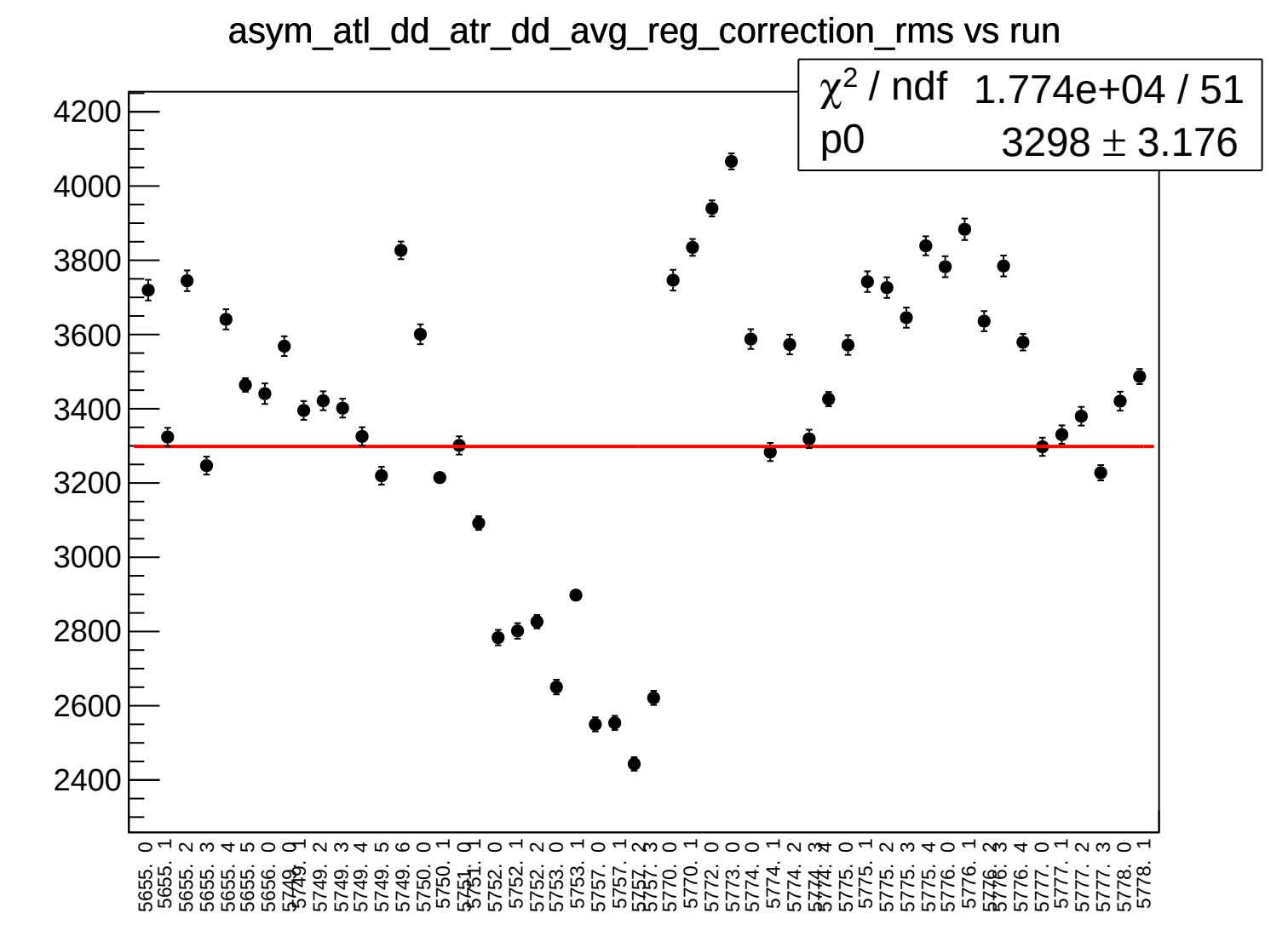

reg_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 68.19 / 51
p0 1663 ± 1804
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 51.92
Std Dev 55.47
3
2
1
0
−1
−2
−3

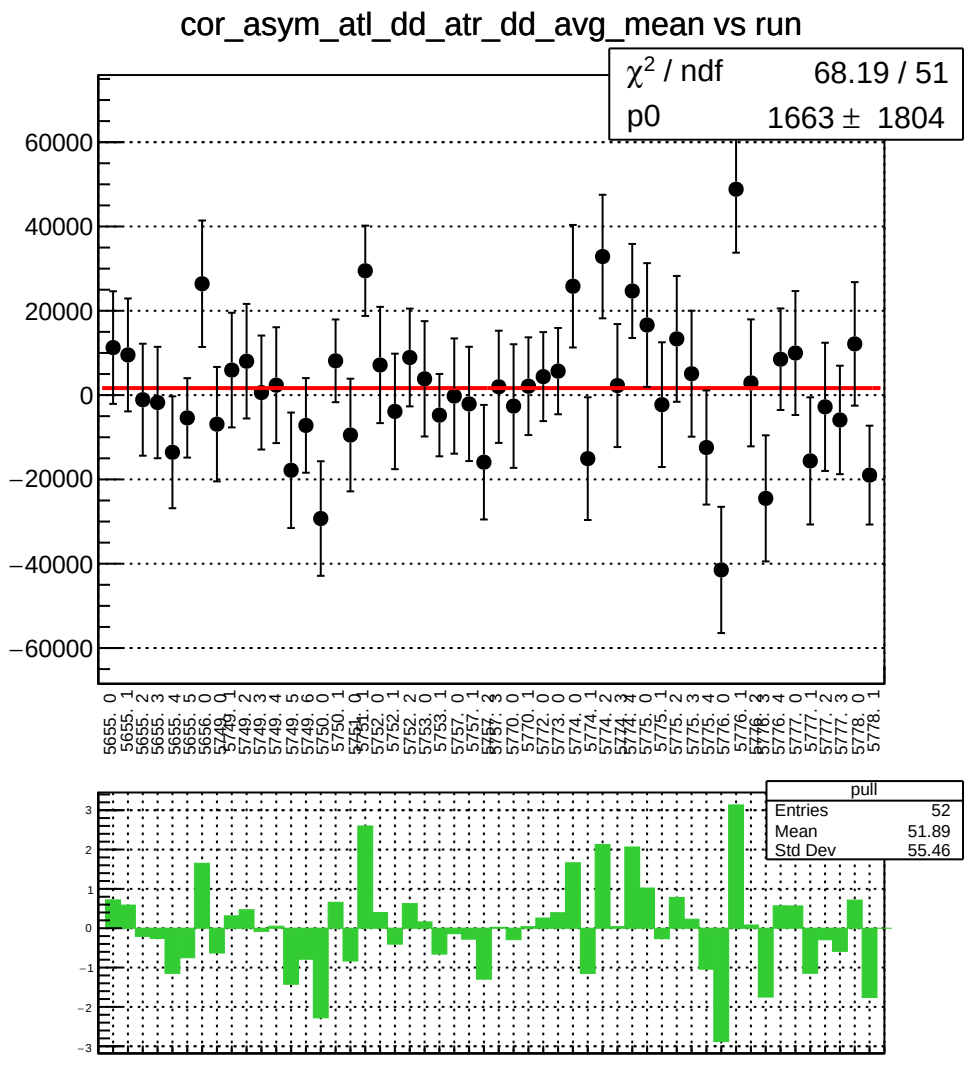

pull1D
Entries 52
Mean −0.007467
Std Dev 1.145
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

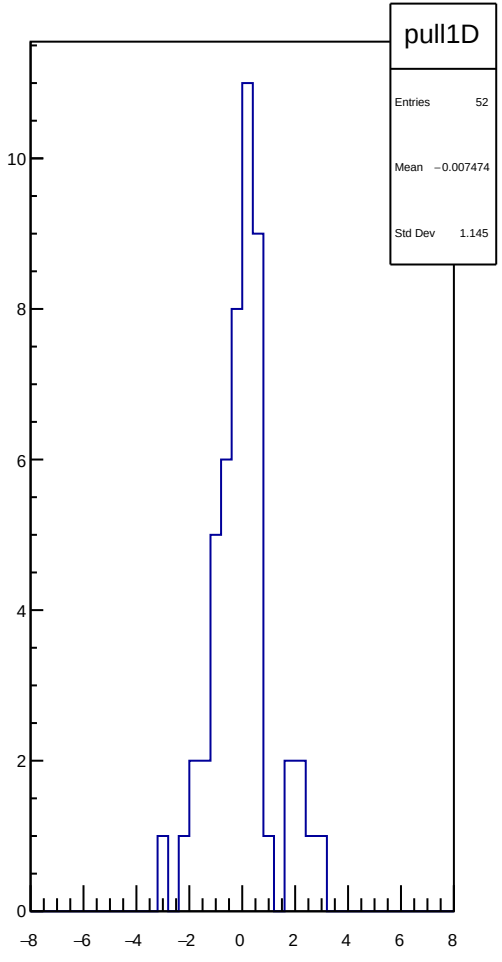

reg_asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 2312 / 51
p0 1335 ± 1.276
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

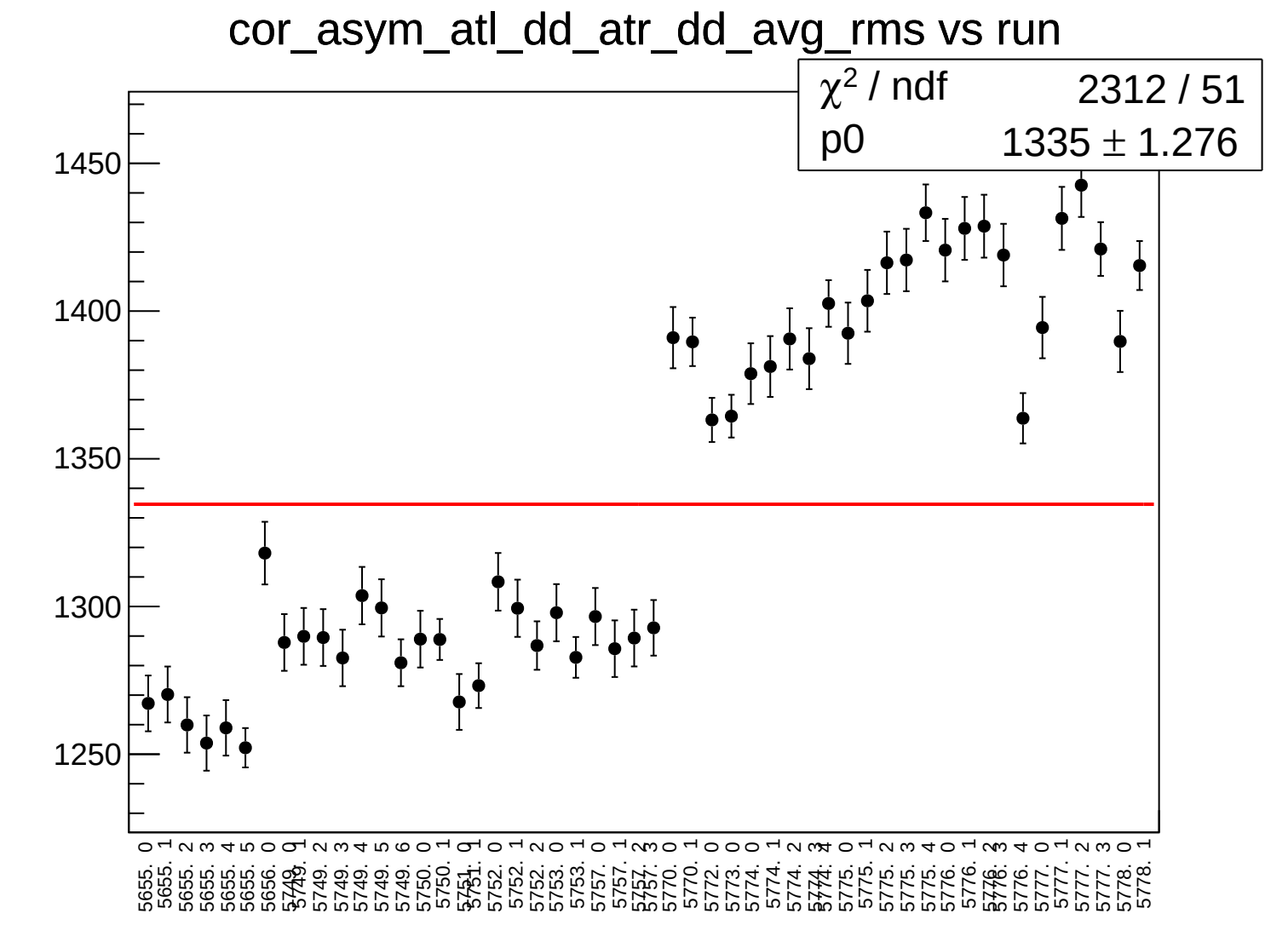

asym_atl_dd_atr_dd_avg_reg_correction_mean vs run
×10^3
χ^2 / ndf 49.53 / 51
p0 2275 ± 4491
100
50
0
−50
−100
pull
Entries 52
Mean 40.12
Std Dev 46.84
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.01712
Std Dev 0.9758
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_avg_reg_correction_rms vs run
χ² / ndf 1.774e+04 / 51
p0 3298 ± 3.176
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 68.19 / 51
p0 1663 ± 1804
pull
Entries 52
Mean 51.89
Std Dev 55.46


pull1D
Entries 52
Mean −0.007474
Std Dev 1.145


cor_asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 2312 / 51
p0 1335 ± 1.276
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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5752. 0
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5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
5777. 0
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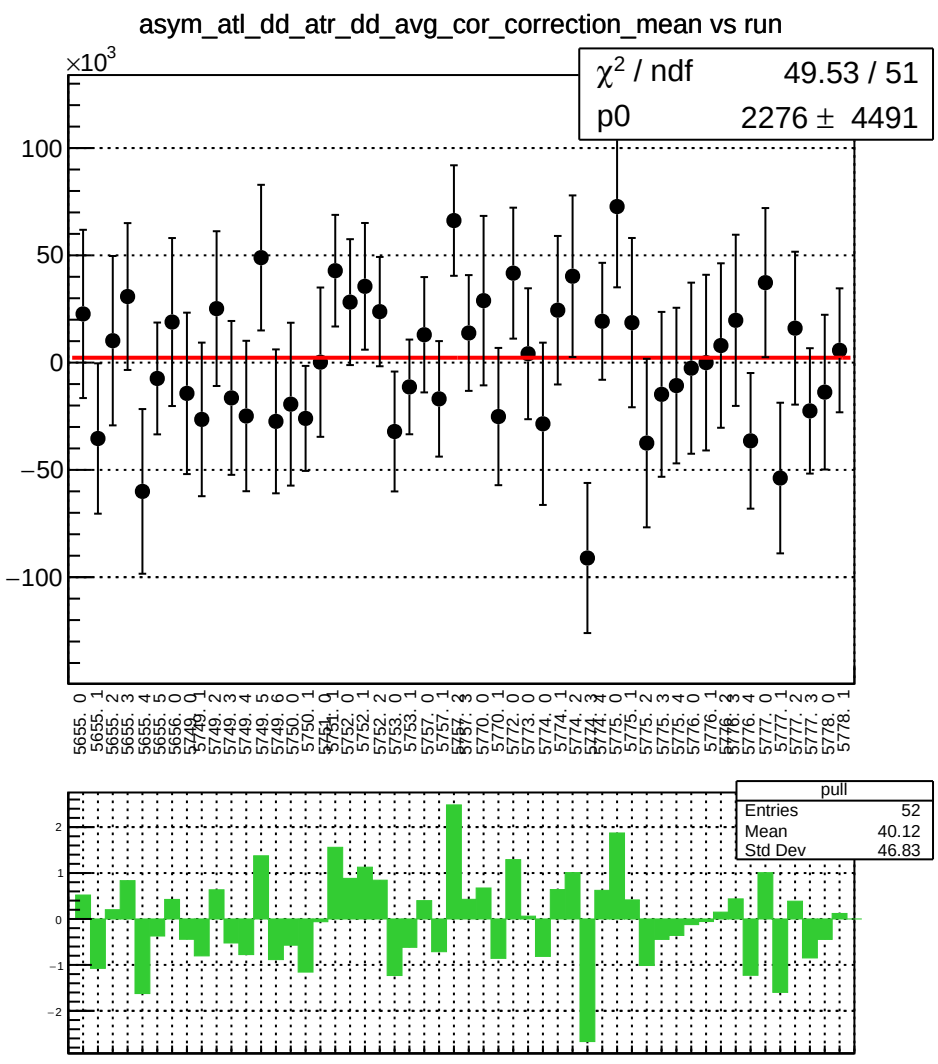
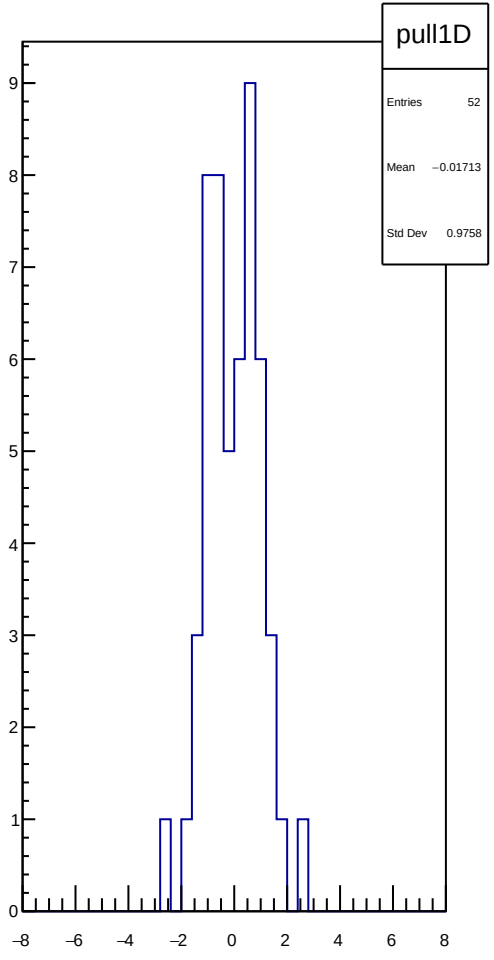
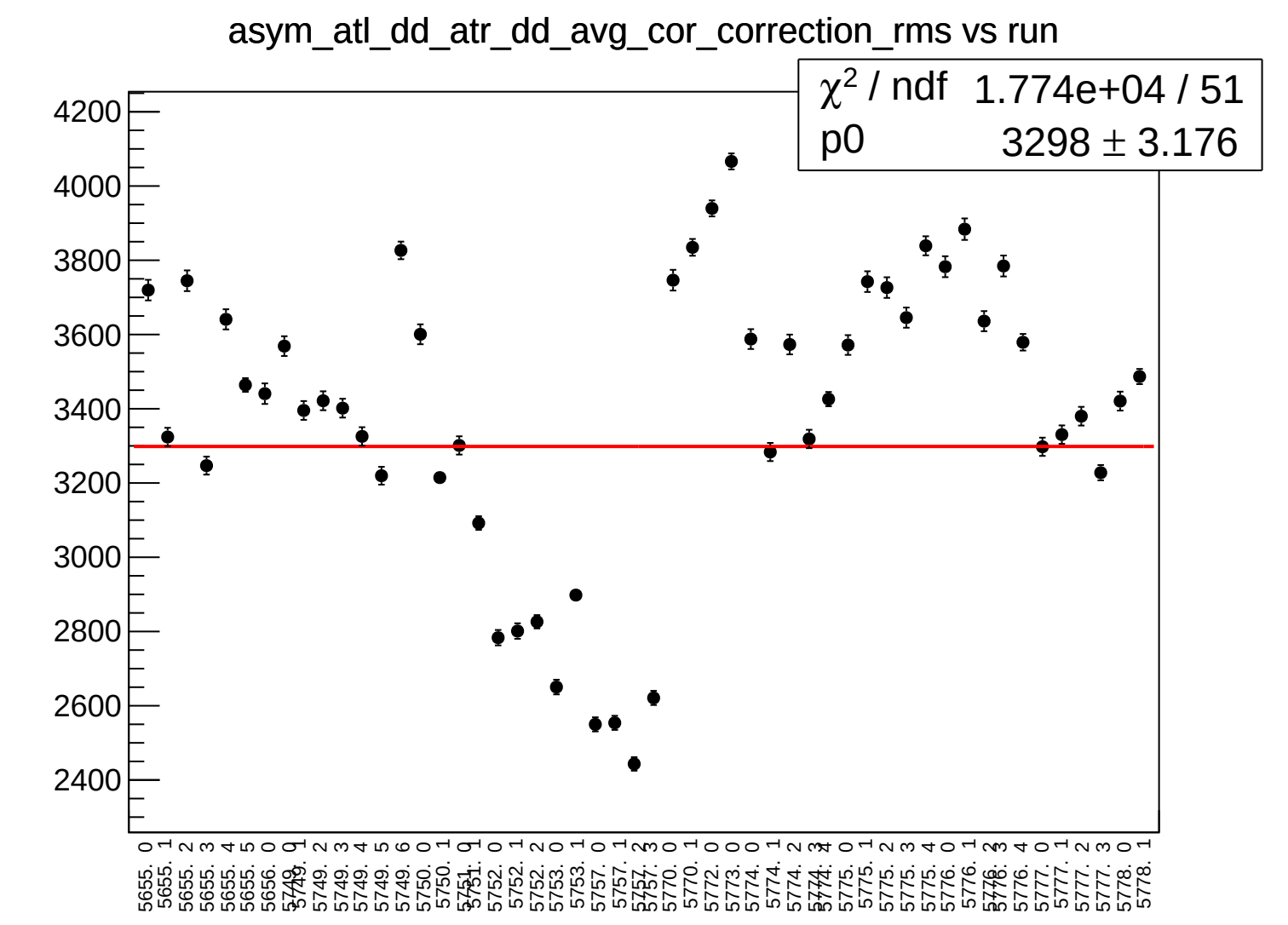
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl_dd_atr_dd_avg_cor_correction_mean vs run
×10^3
χ^2 / ndf 49.53 / 51
p0 2276 ± 4491
100
50
0
−50
−100
pull
Entries 52
Mean 40.12
Std Dev 46.83
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.01713
Std Dev 0.9758
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_avg_cor_correction_rms vs run
χ² / ndf 1.774e+04 / 51
p0 3298 ± 3.176
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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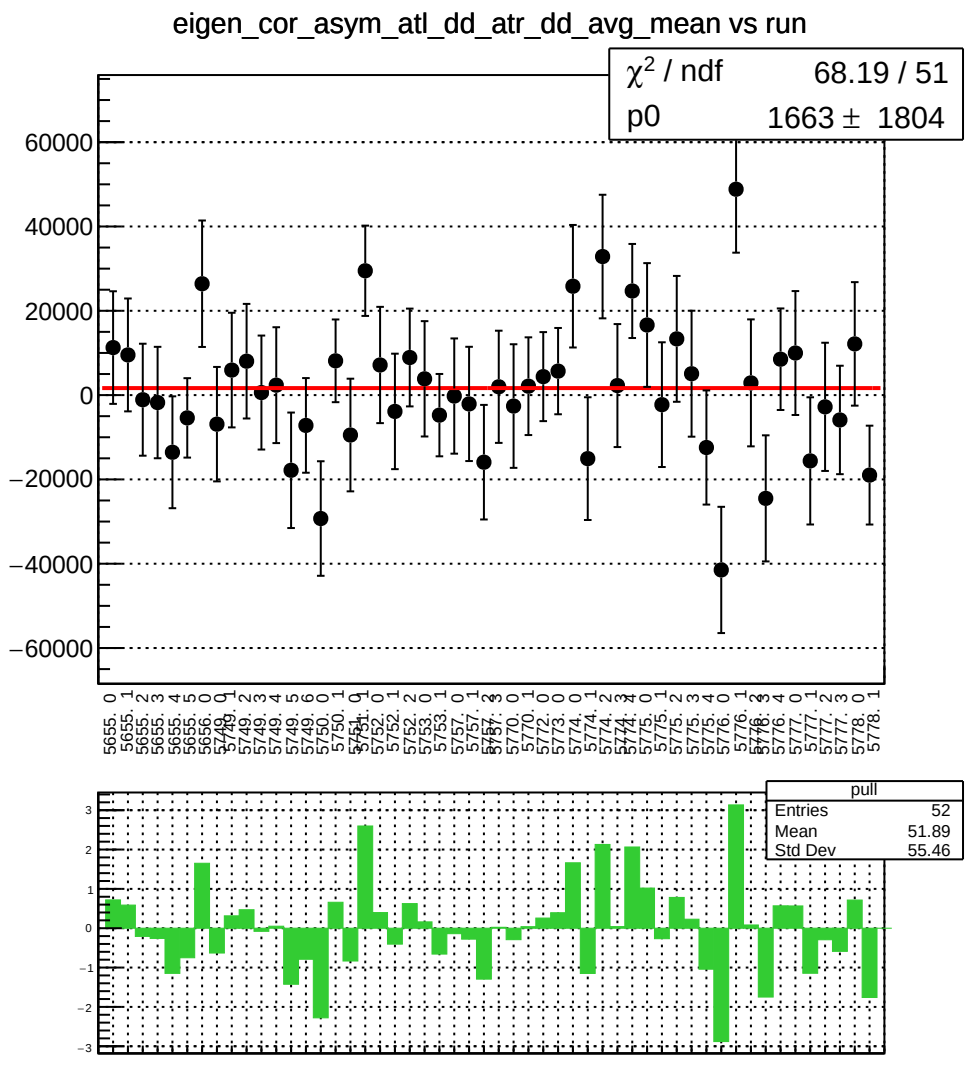
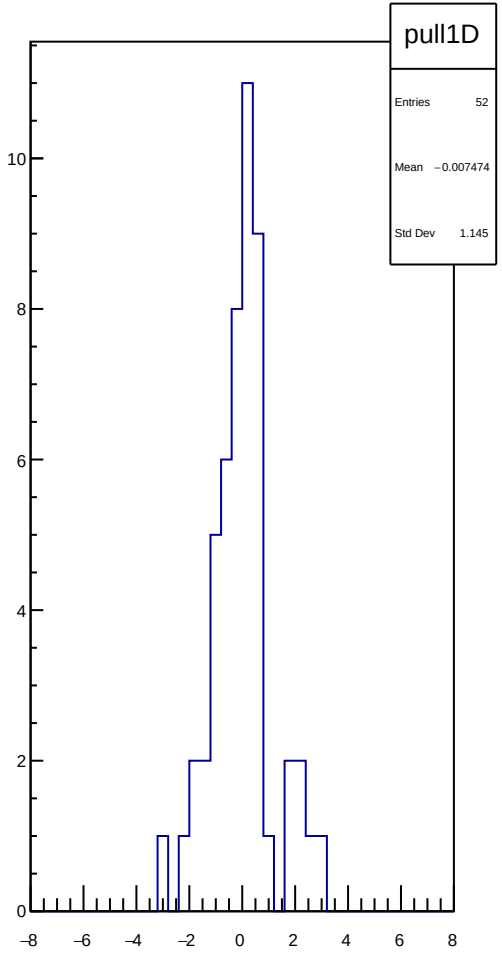
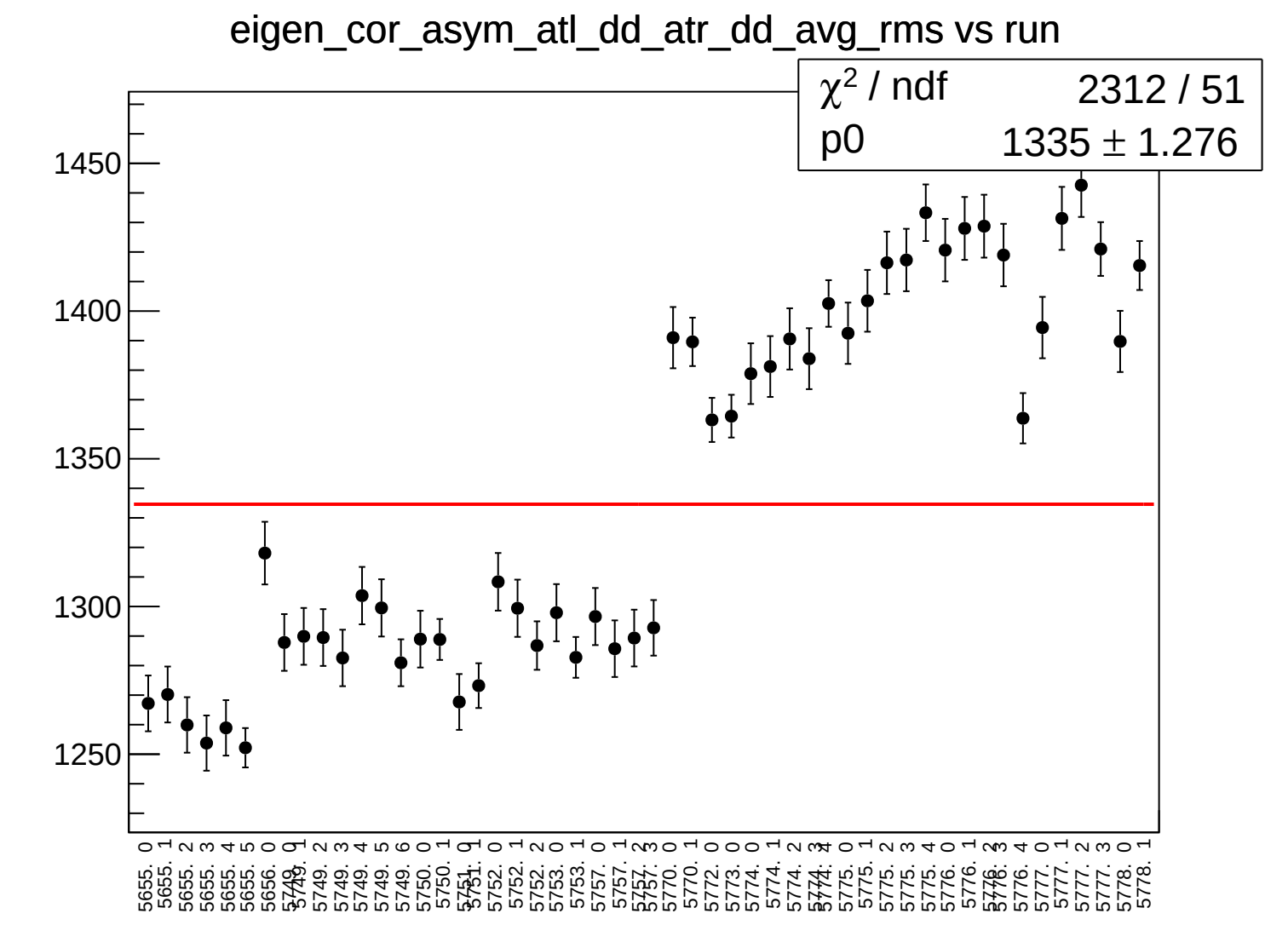
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 68.19 / 51
p0 1663 ± 1804
pull
Entries 52
Mean 51.89
Std Dev 55.46


pull1D
Entries 52
Mean −0.007474
Std Dev 1.145


eigen_cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 2312 / 51
p0 1335 ± 1.276
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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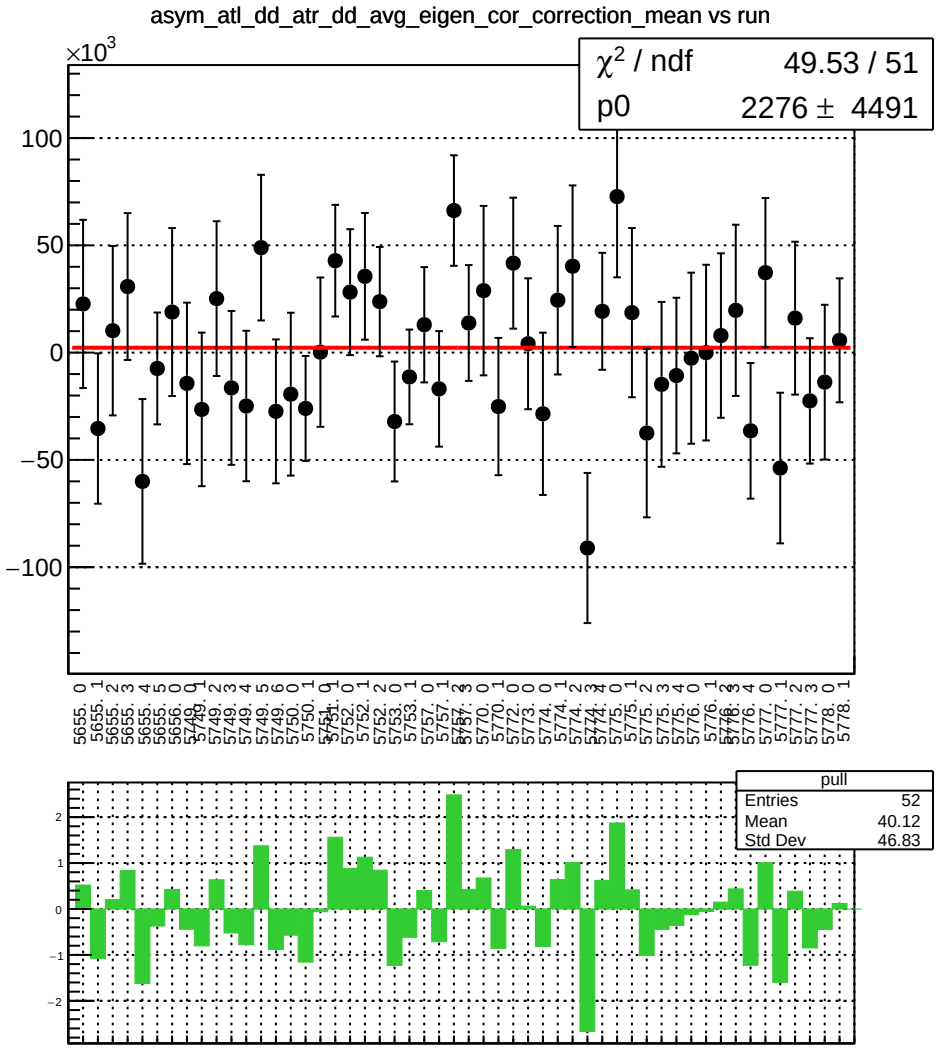
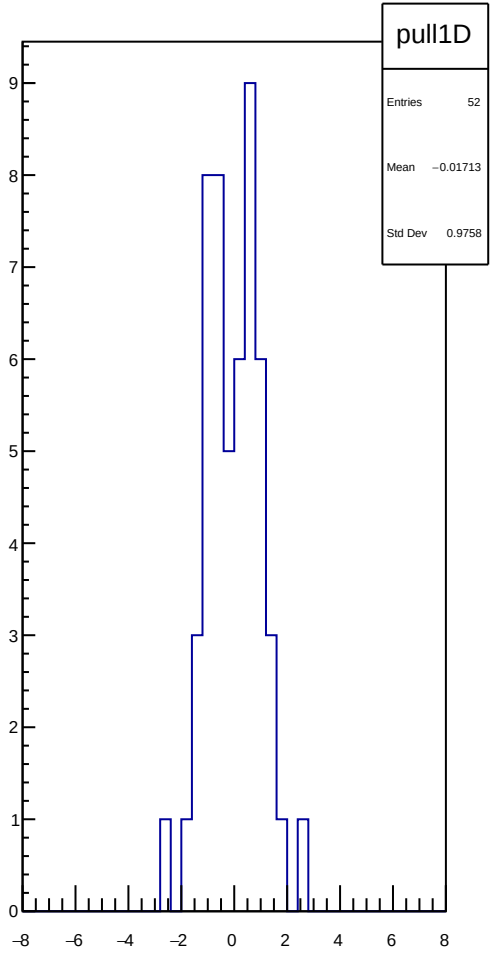
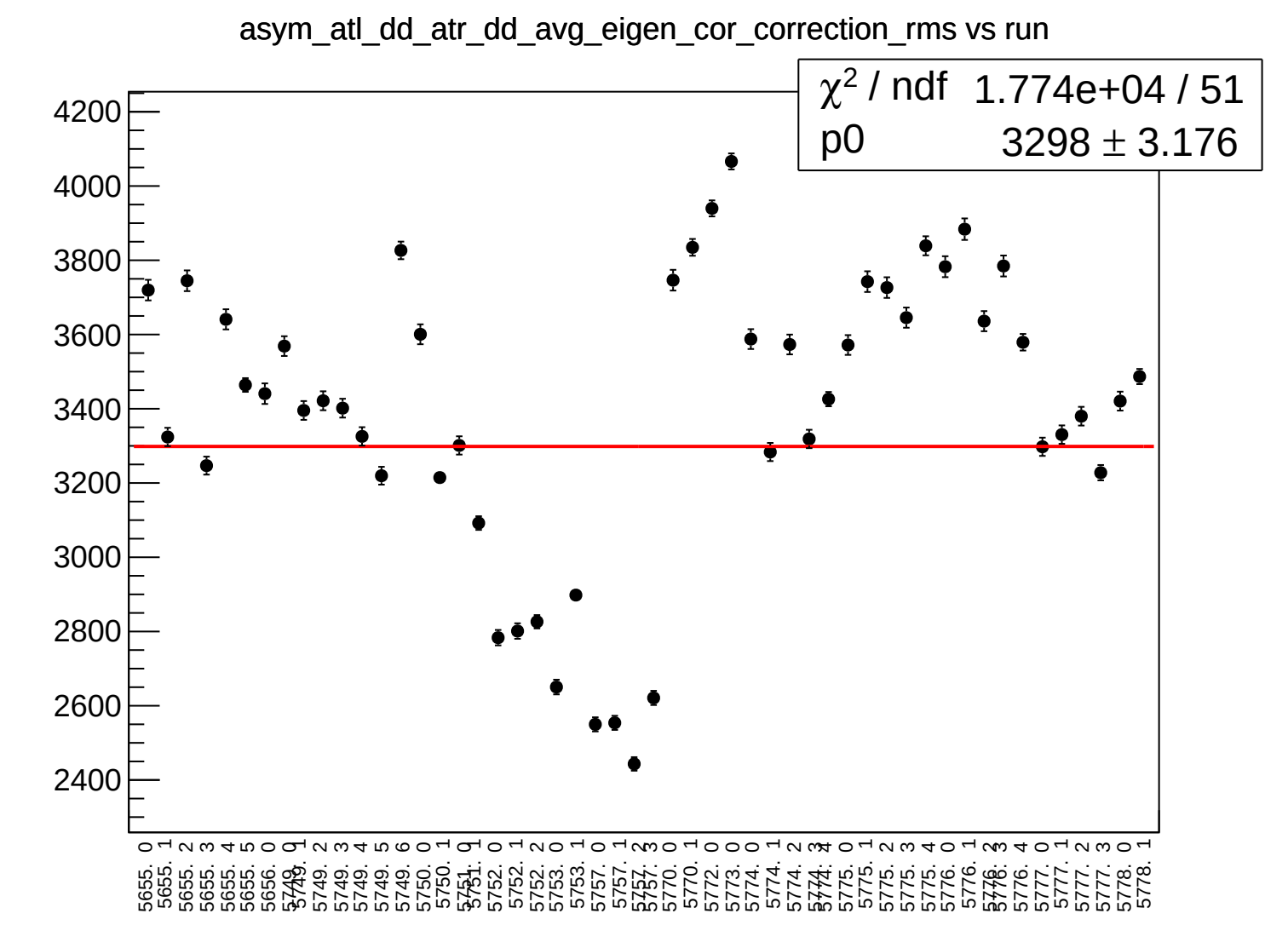
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 49.53 / 51
p0 2276 ± 4491
100
50
0
−50
−100
pull
Entries 52
Mean 40.12
Std Dev 46.83
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.01713
Std Dev 0.9758
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.774e+04 / 51
p0 3298 ± 3.176
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5777. 0
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5777. 2
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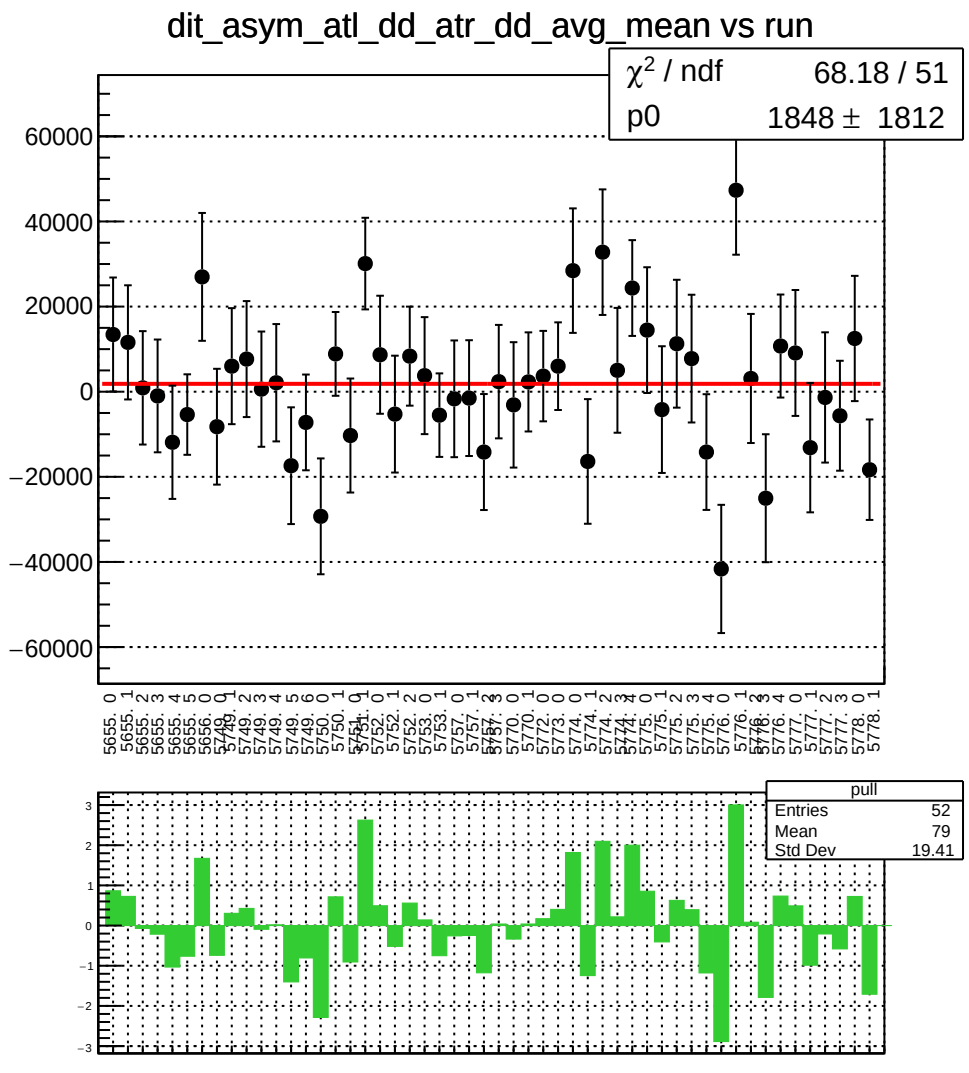
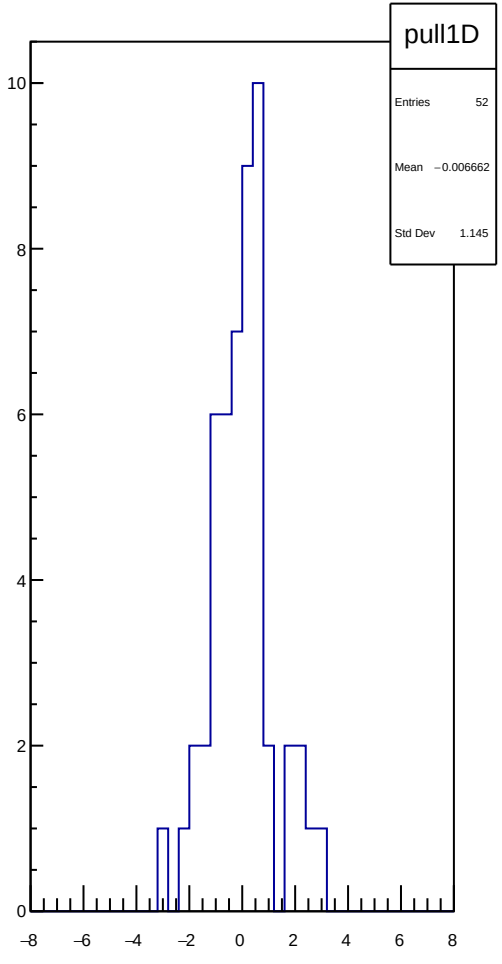
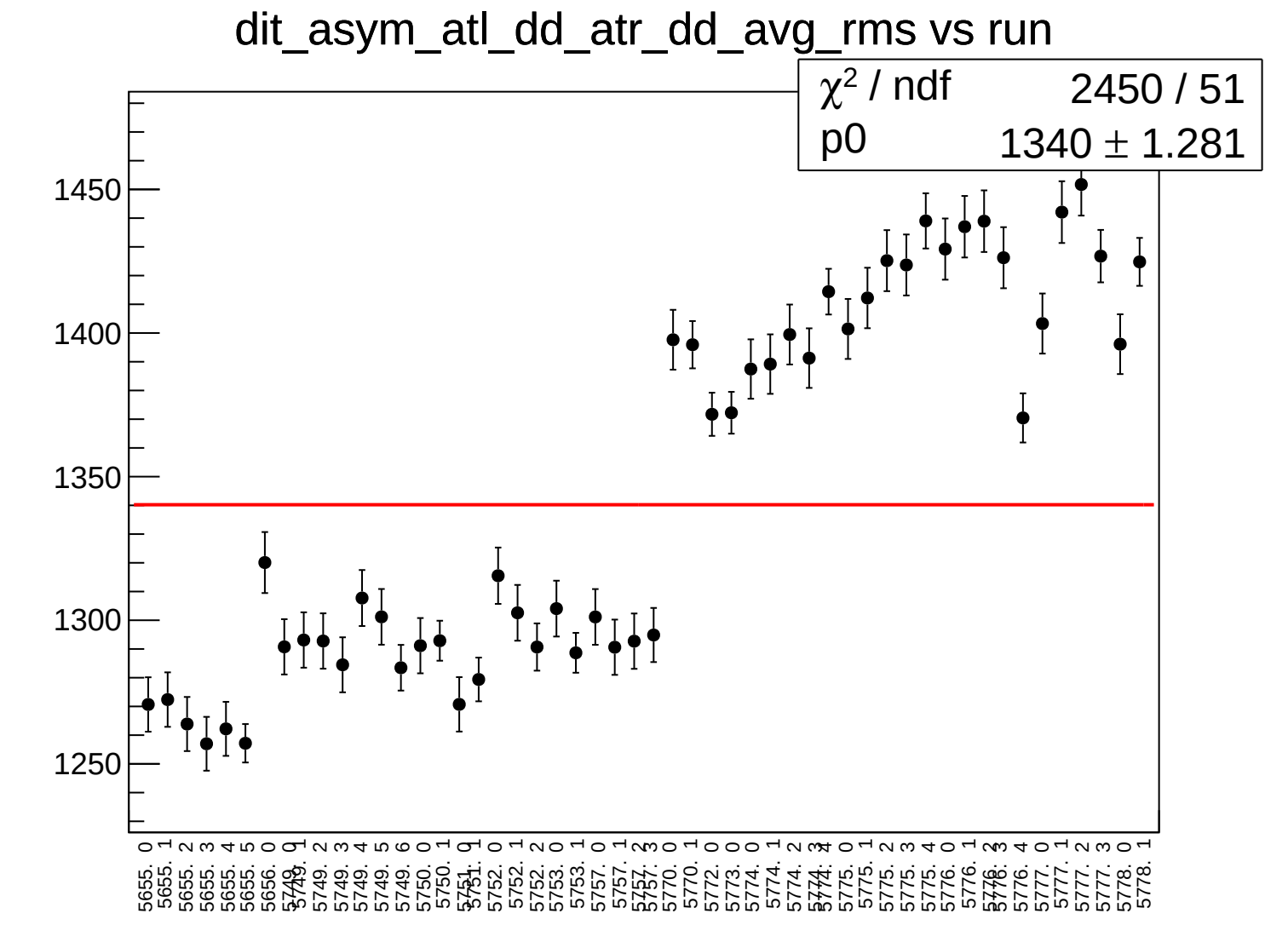
5778. 0
5778. 1


dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 68.18 / 51
p0 1848 ± 1812
pull
Entries 52
Mean 79
Std Dev 19.41


pull1D
Entries 52
Mean −0.006662
Std Dev 1.145


dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 2450 / 51
p0 1340 ± 1.281
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
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5777. 1
5777. 2
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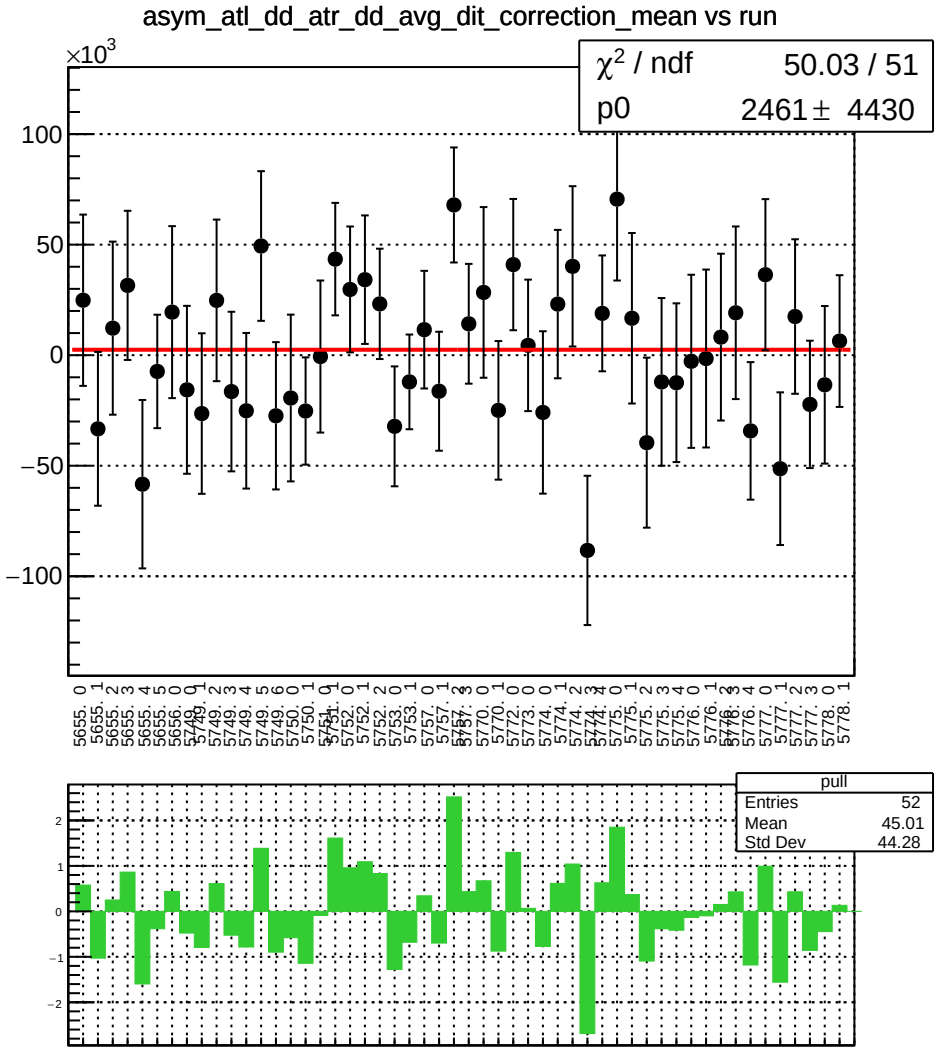
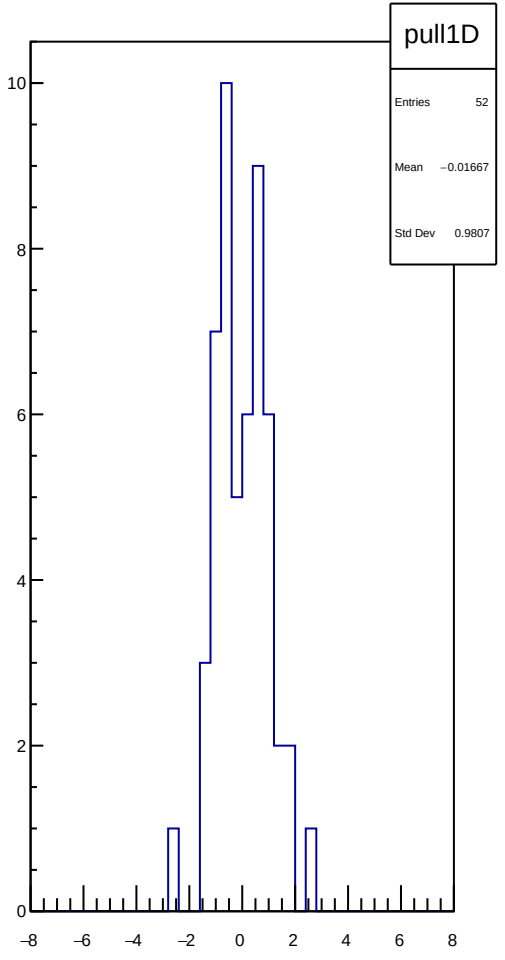
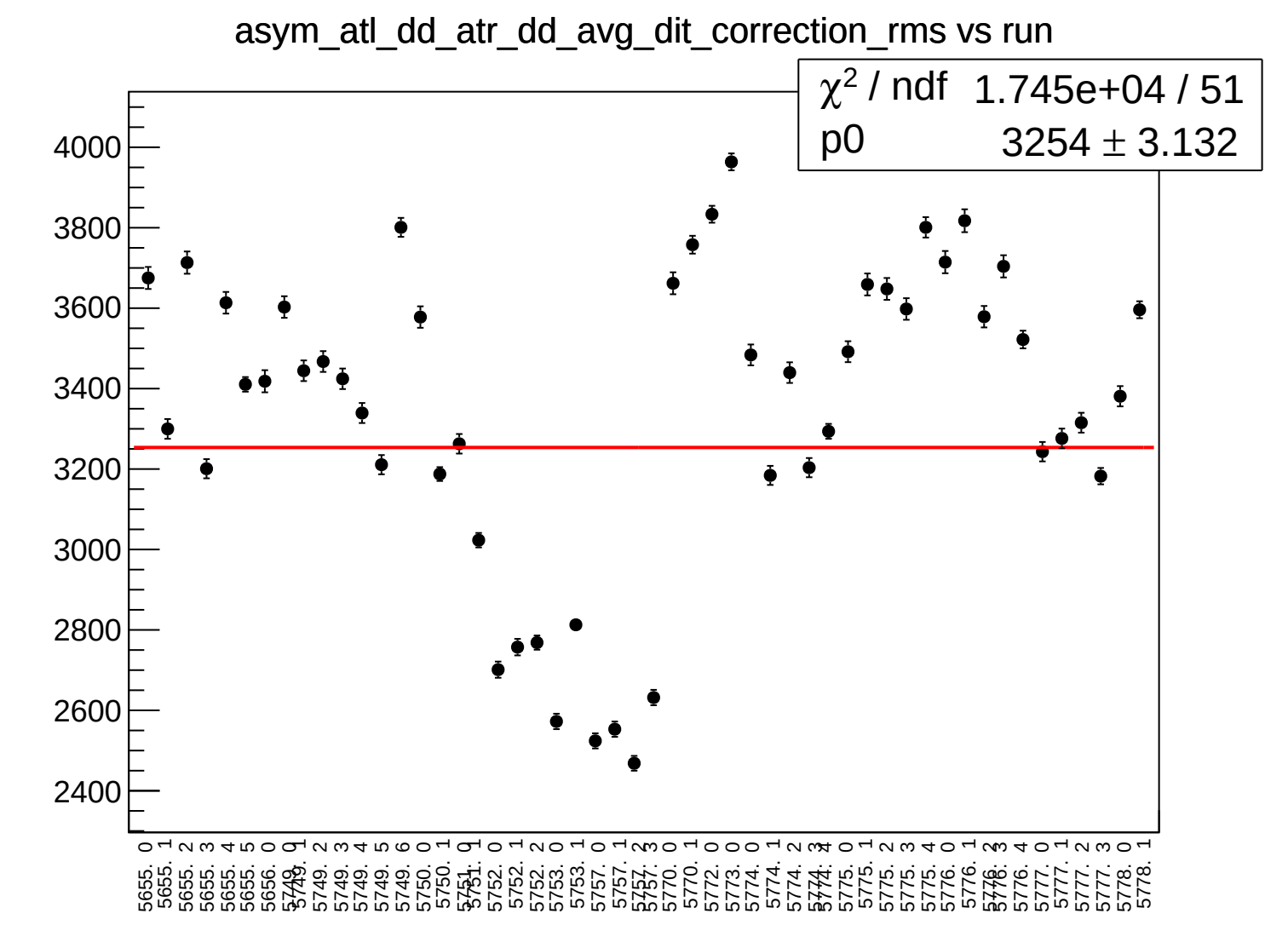
5778. 0
5778. 1


asym_atl_dd_atr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 50.03 / 51
p0 2461 ± 4430
100
50
0
−50
−100
pull
Entries 52
Mean 45.01
Std Dev 44.28
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.01667
Std Dev 0.9807
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_avg_dit_correction_rms vs run
χ² / ndf 1.745e+04 / 51
p0 3254 ± 3.132
4000
3800
3600
3400
3200
3000
2800
2600
2400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
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5751. 0
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5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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5770. 1
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
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5777. 1
5777. 2
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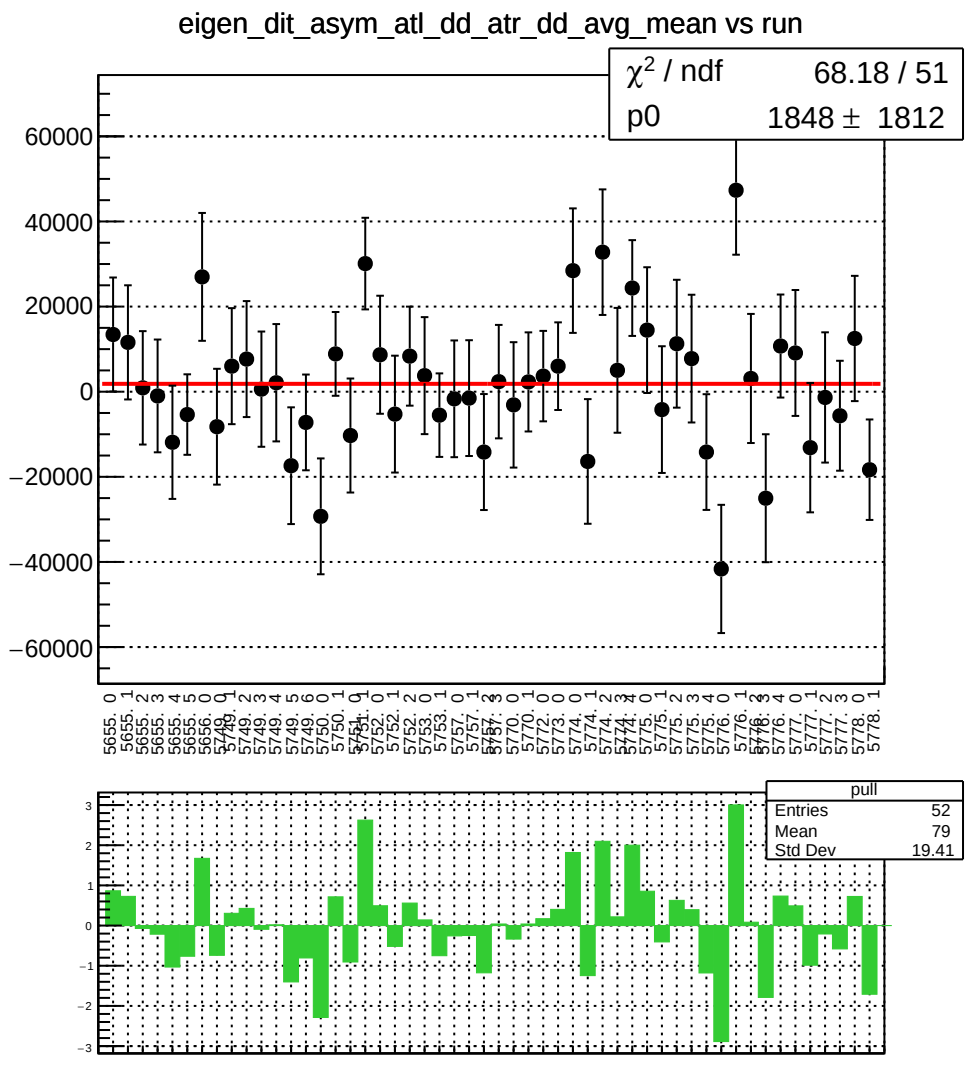
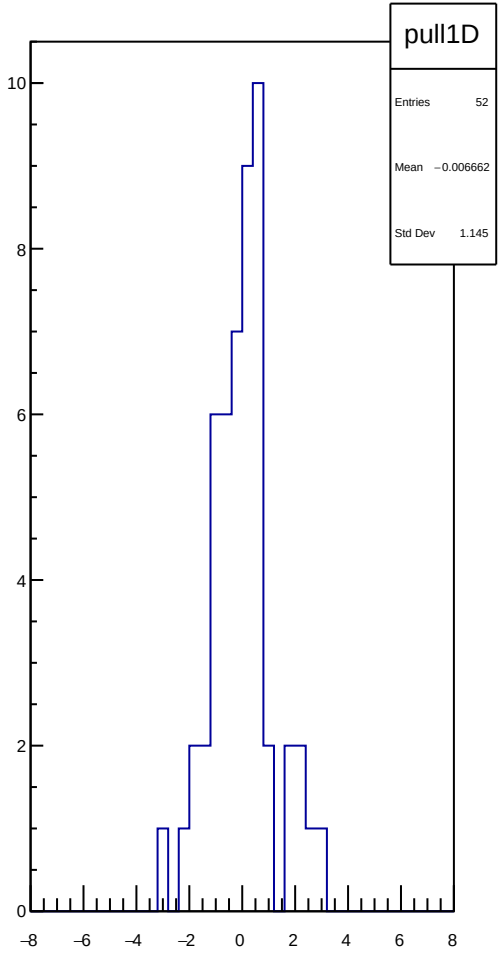
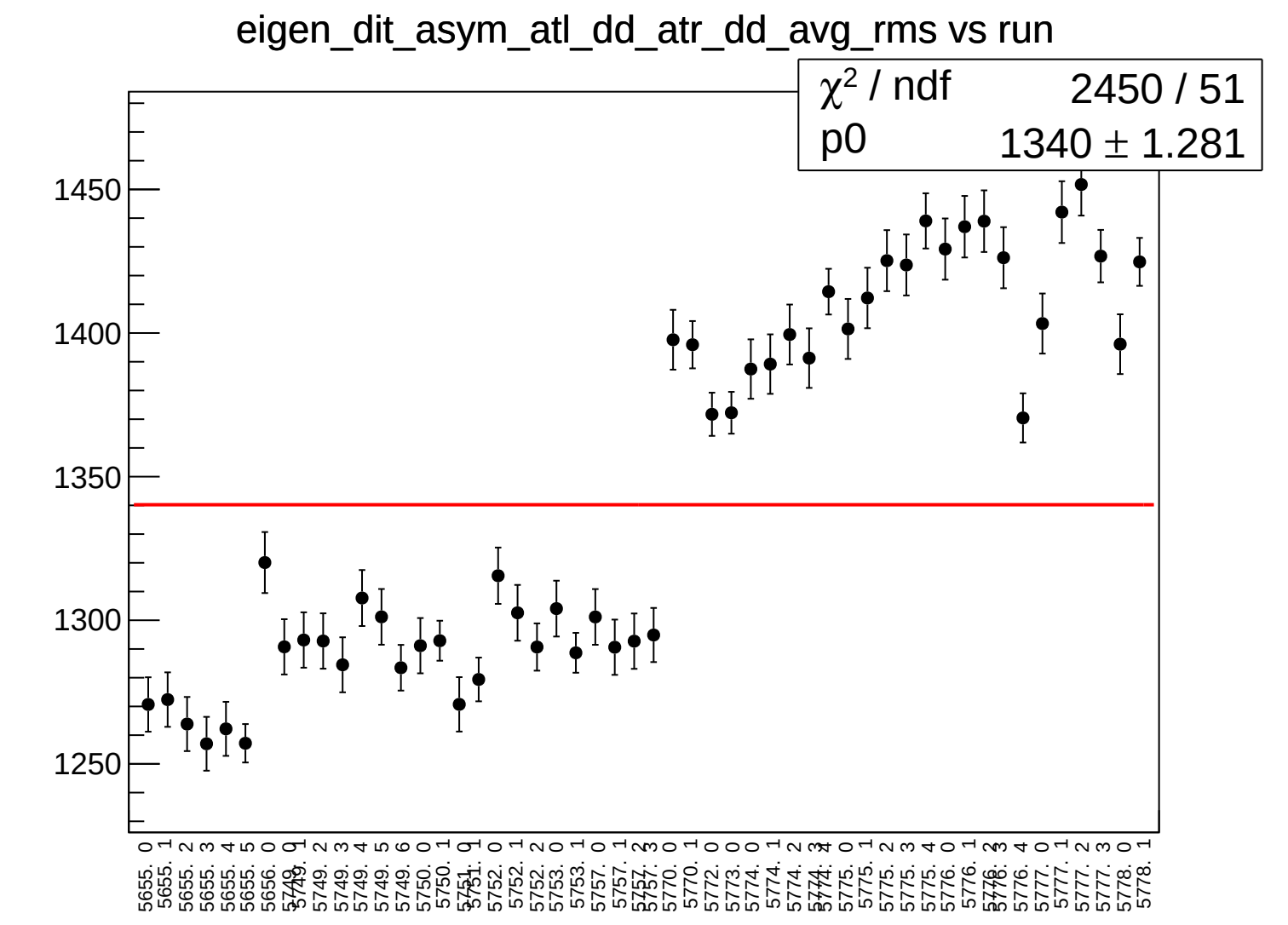
5778. 1


eigen_dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 68.18 / 51
p0 1848 ± 1812
pull
Entries 52
Mean 79
Std Dev 19.41


pull1D
Entries 52
Mean −0.006662
Std Dev 1.145


eigen_dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 2450 / 51
p0 1340 ± 1.281
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5772. 0
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5777. 2
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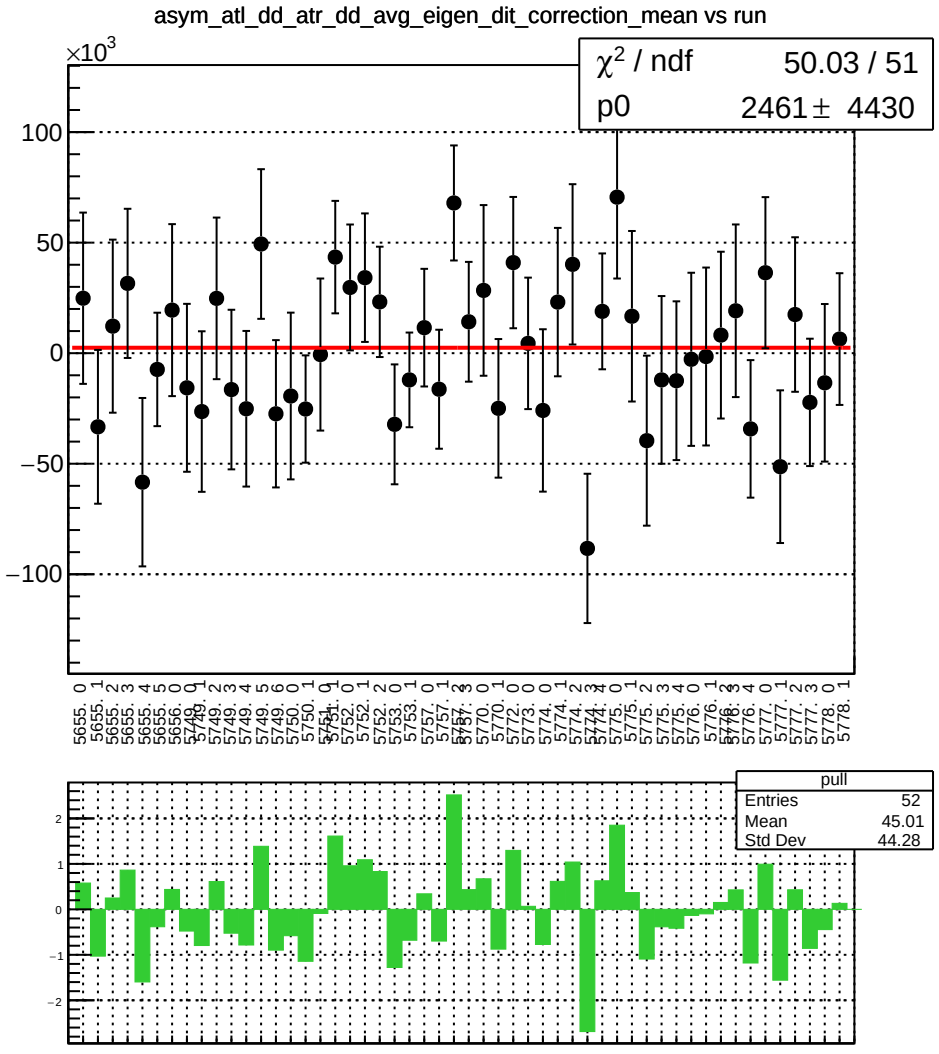
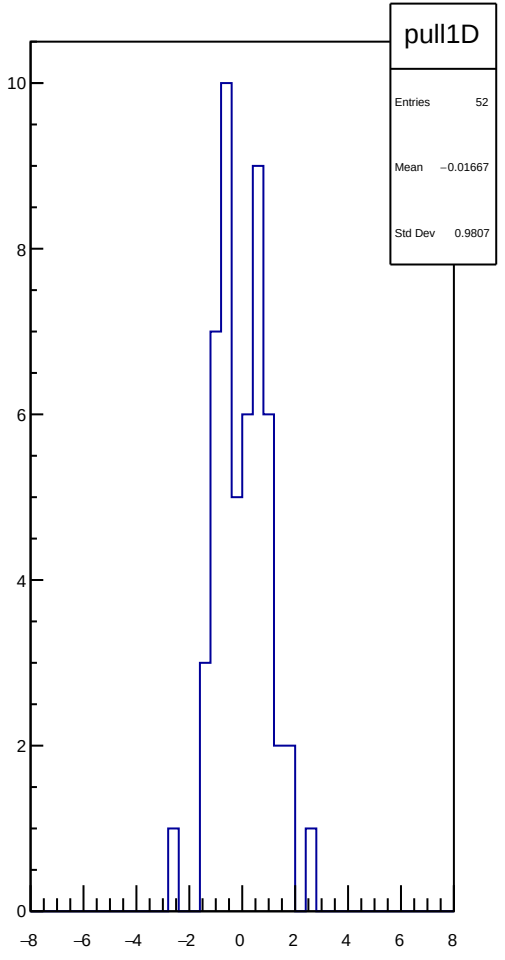
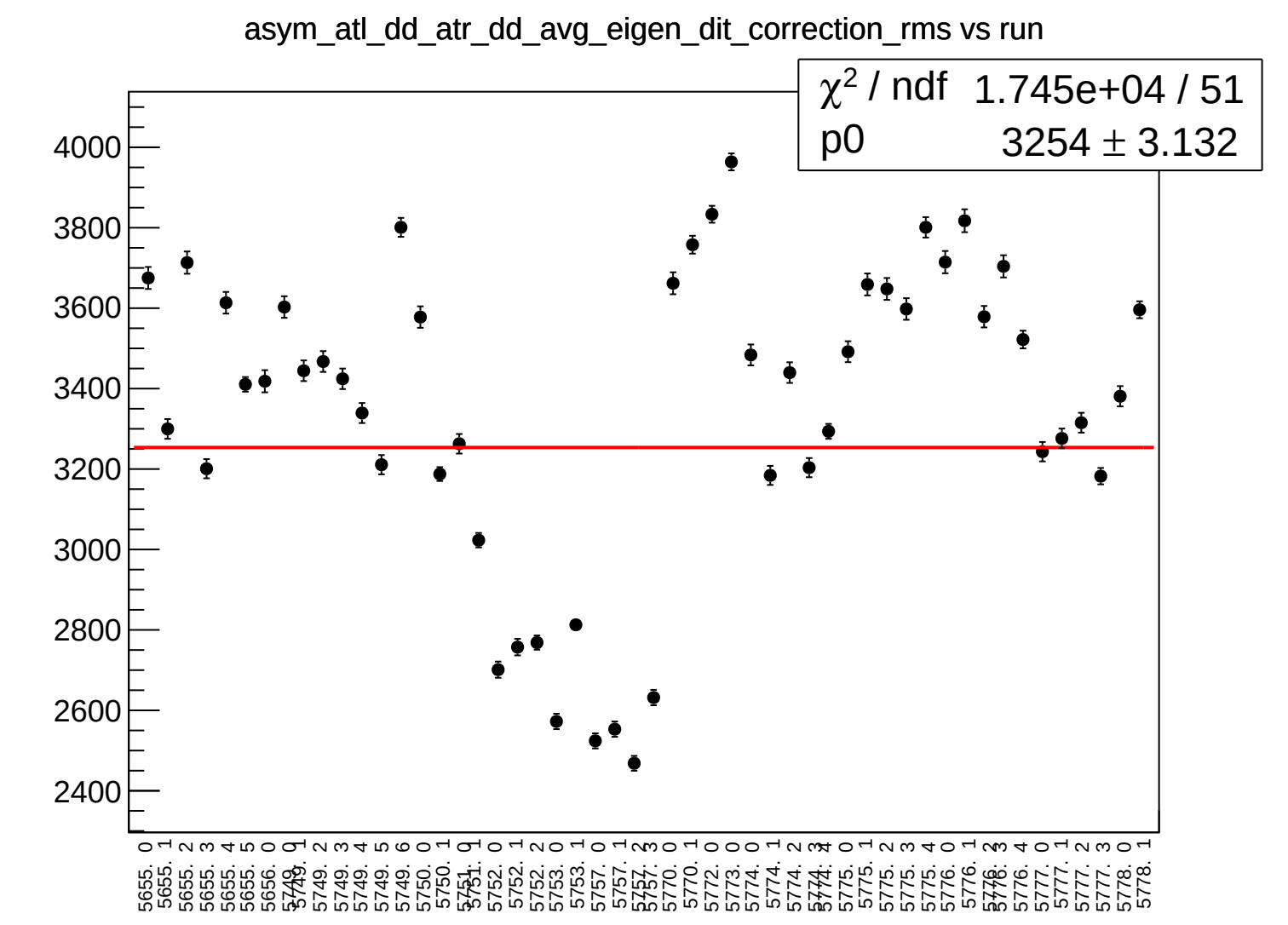

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 50.03 / 51
p0 2461 ± 4430
100
50
0
−50
−100
pull
Entries 52
Mean 45.01
Std Dev 44.28
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.01667
Std Dev 0.9807
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.745e+04 / 51
p0 3254 ± 3.132
4000
3800
3600
3400
3200
3000
2800
2600
2400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5749. 2
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5752. 0
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5775. 2
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5776. 0
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5777. 1
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5777. 3
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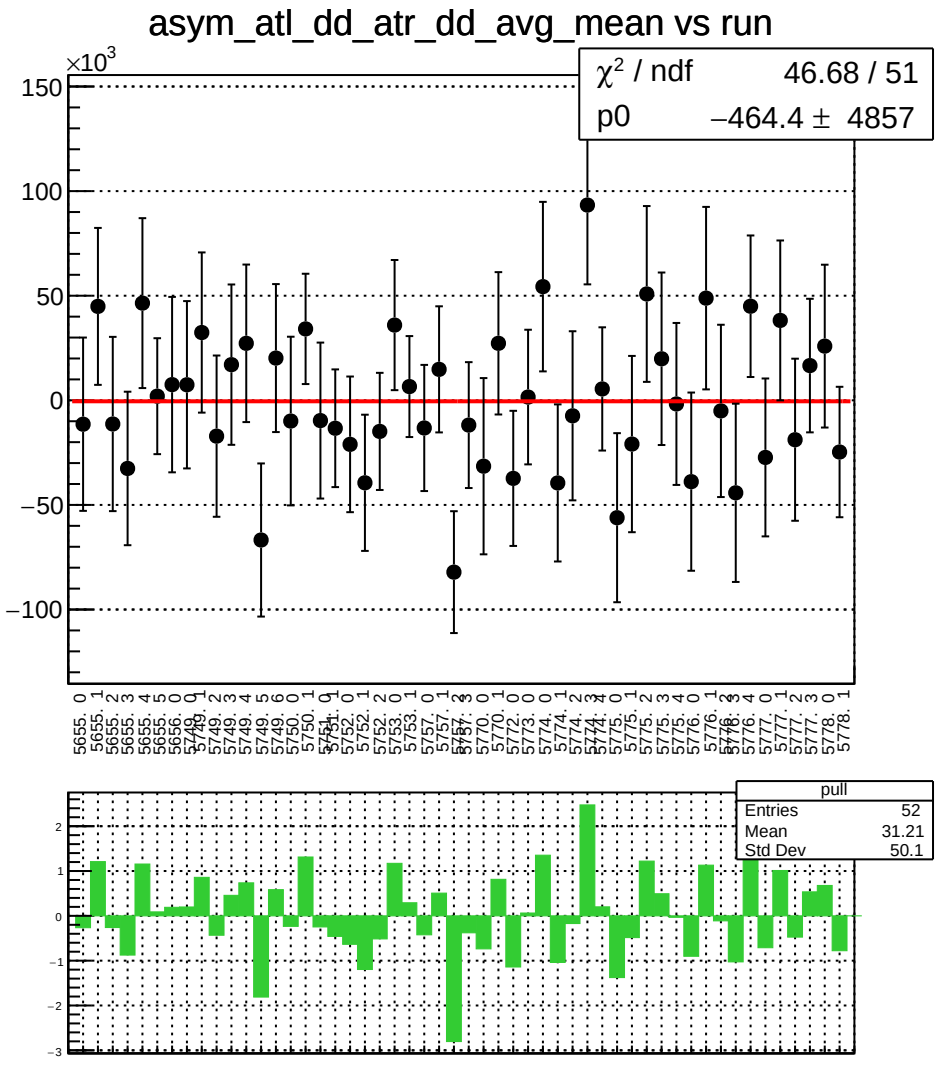
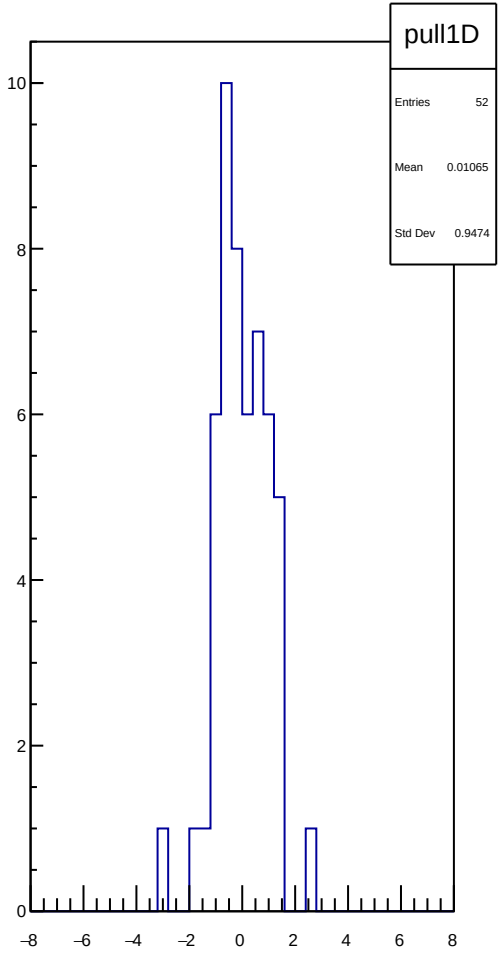
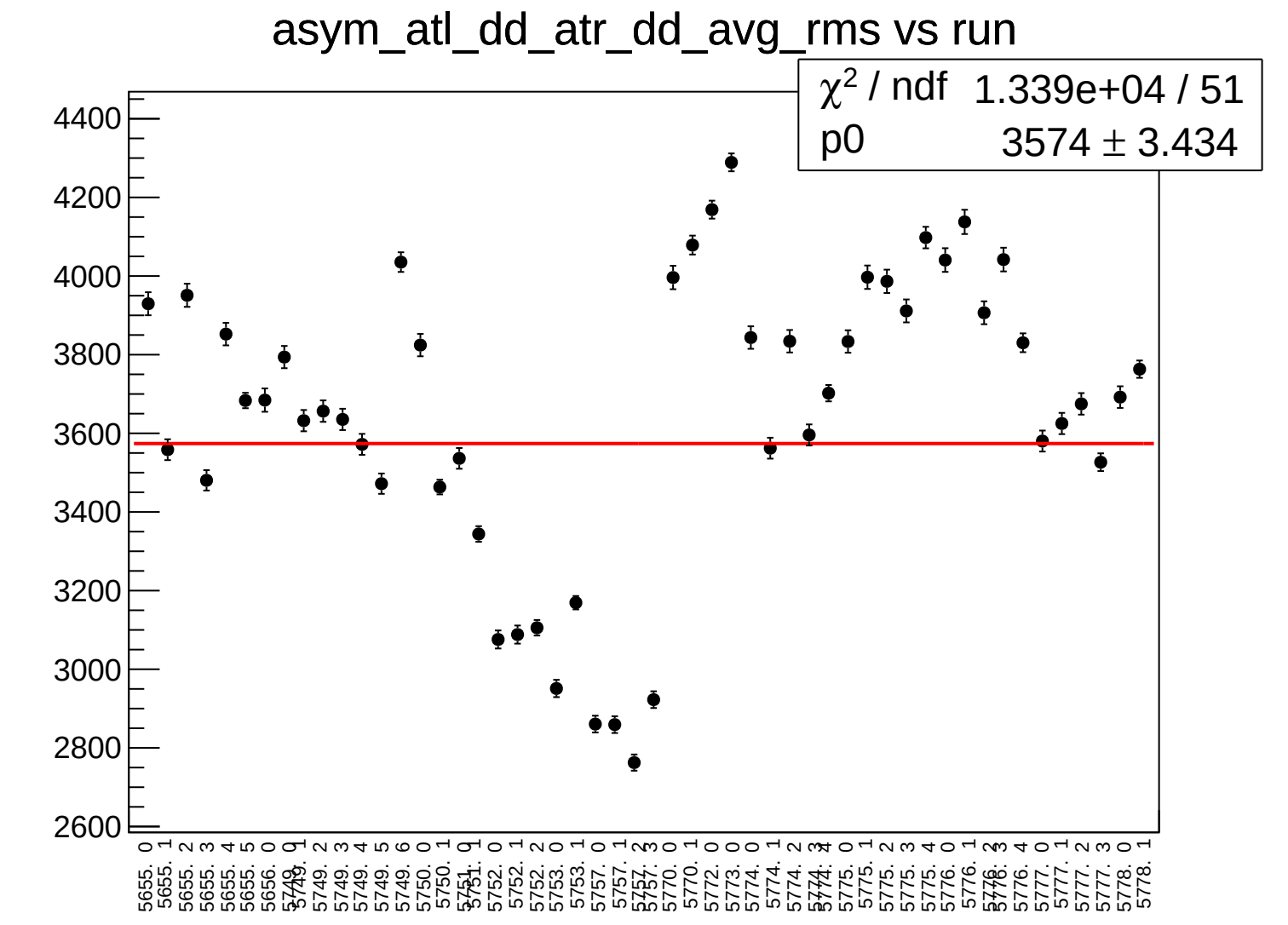
5778. 1


asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 46.68 / 51
p0 −464.4 ± 4857
150
100
50
0
−50
−100
pull
Entries 52
Mean 31.21
Std Dev 50.1
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean 0.01065
Std Dev 0.9474
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1.339e+04 / 51
p0 3574 ± 3.434
4400
4200
4000
3800
3600
3400
3200
3000
2800
2600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
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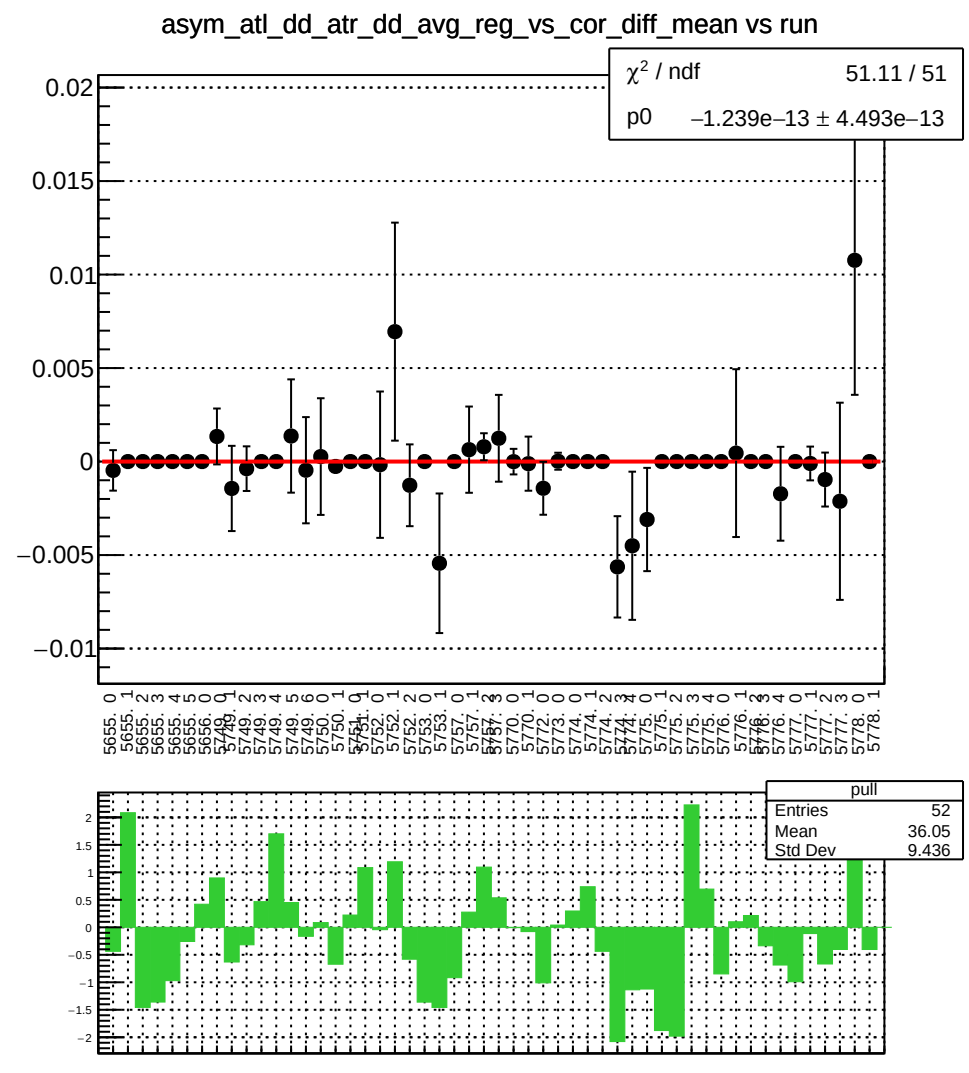
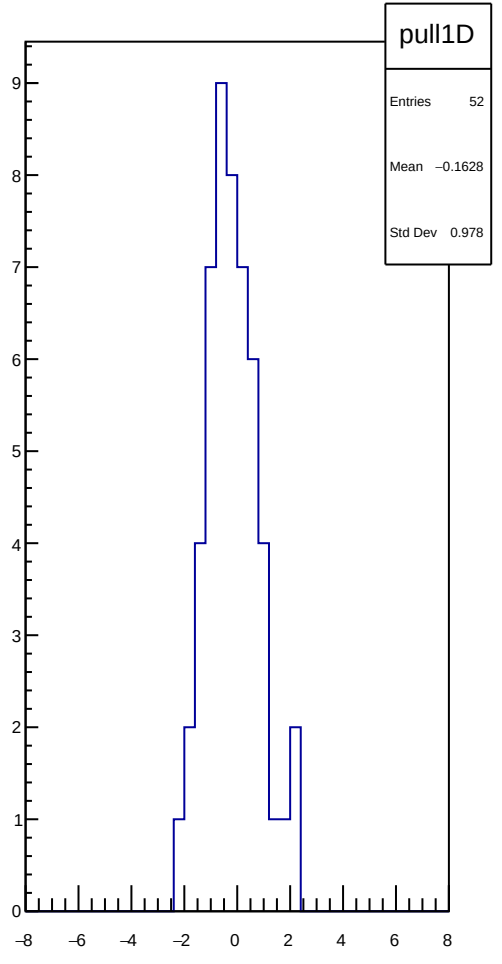
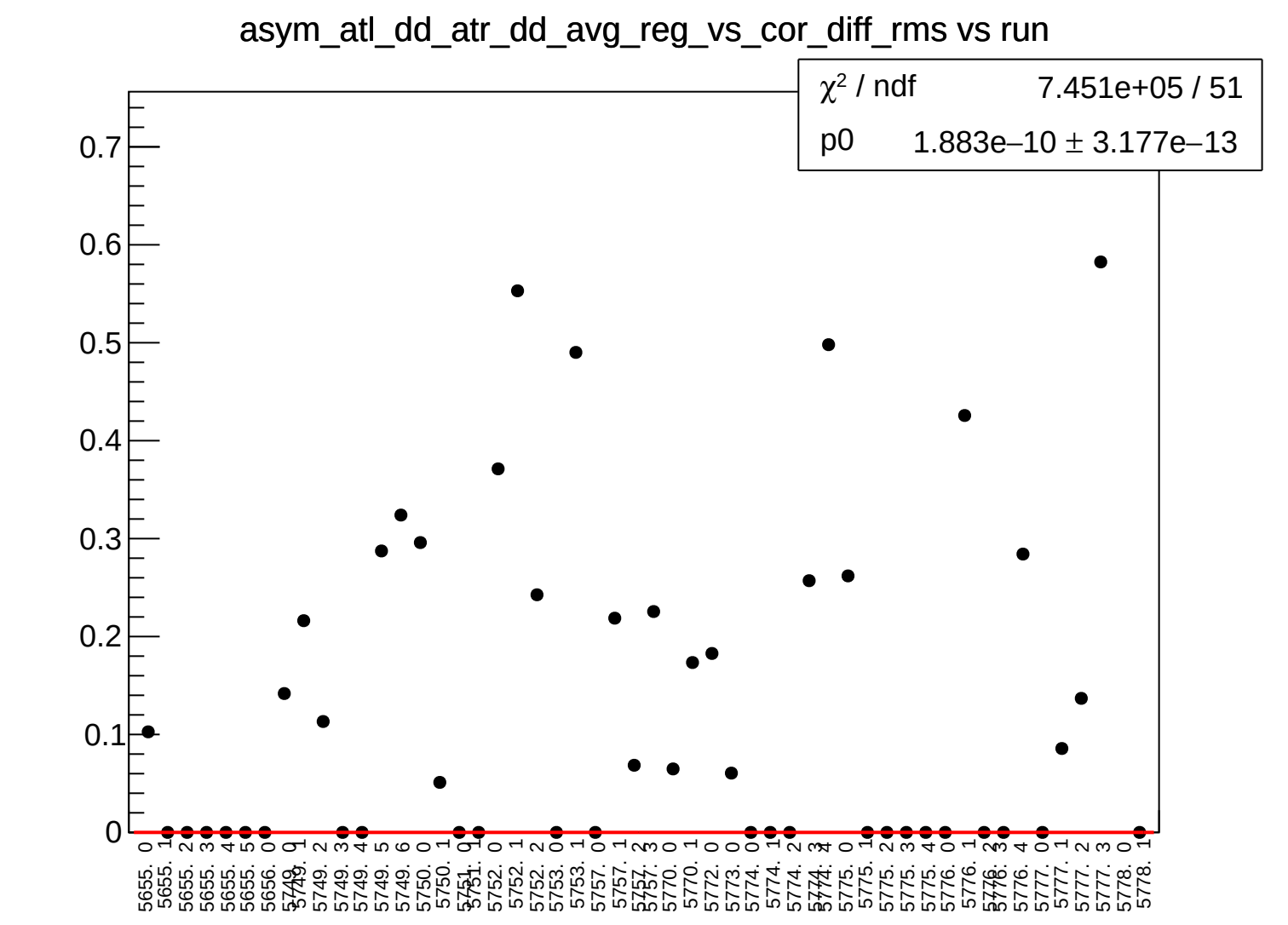
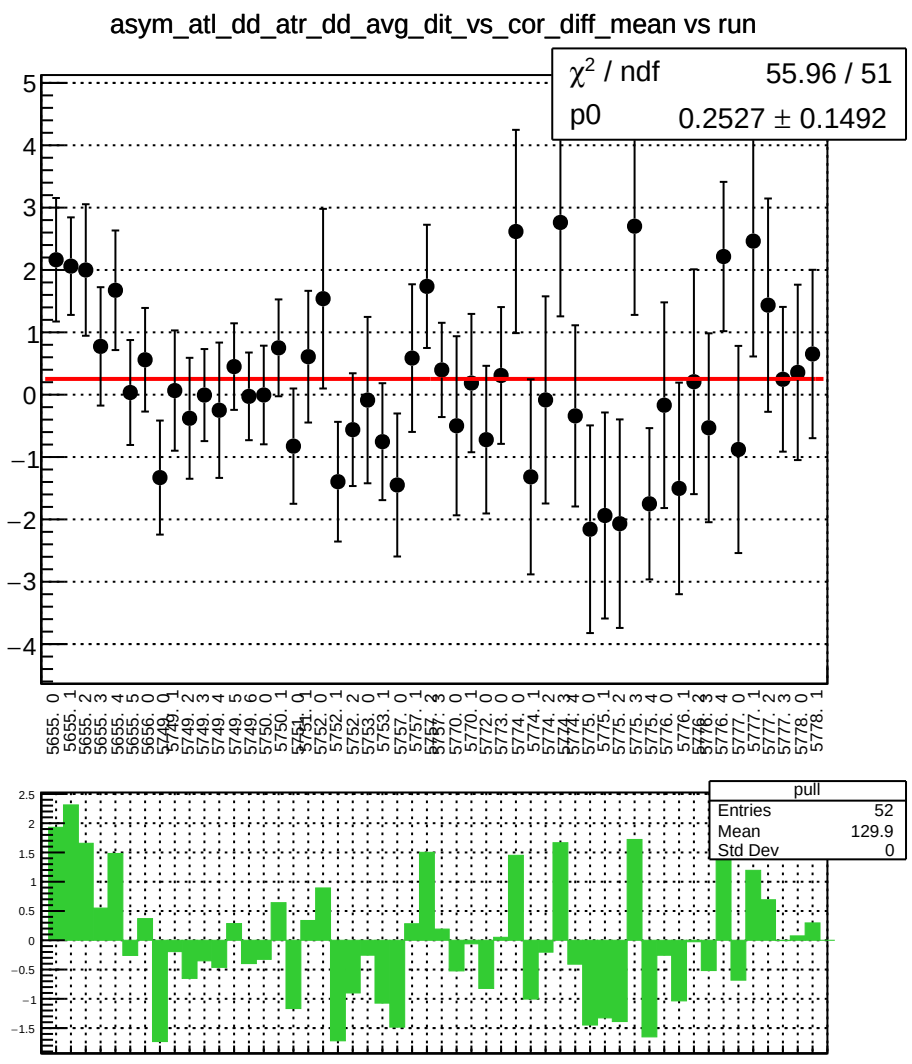
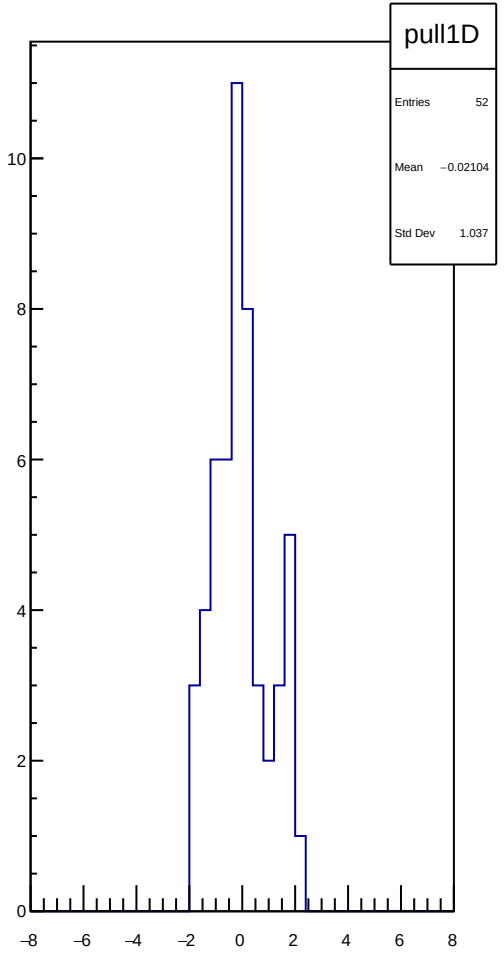
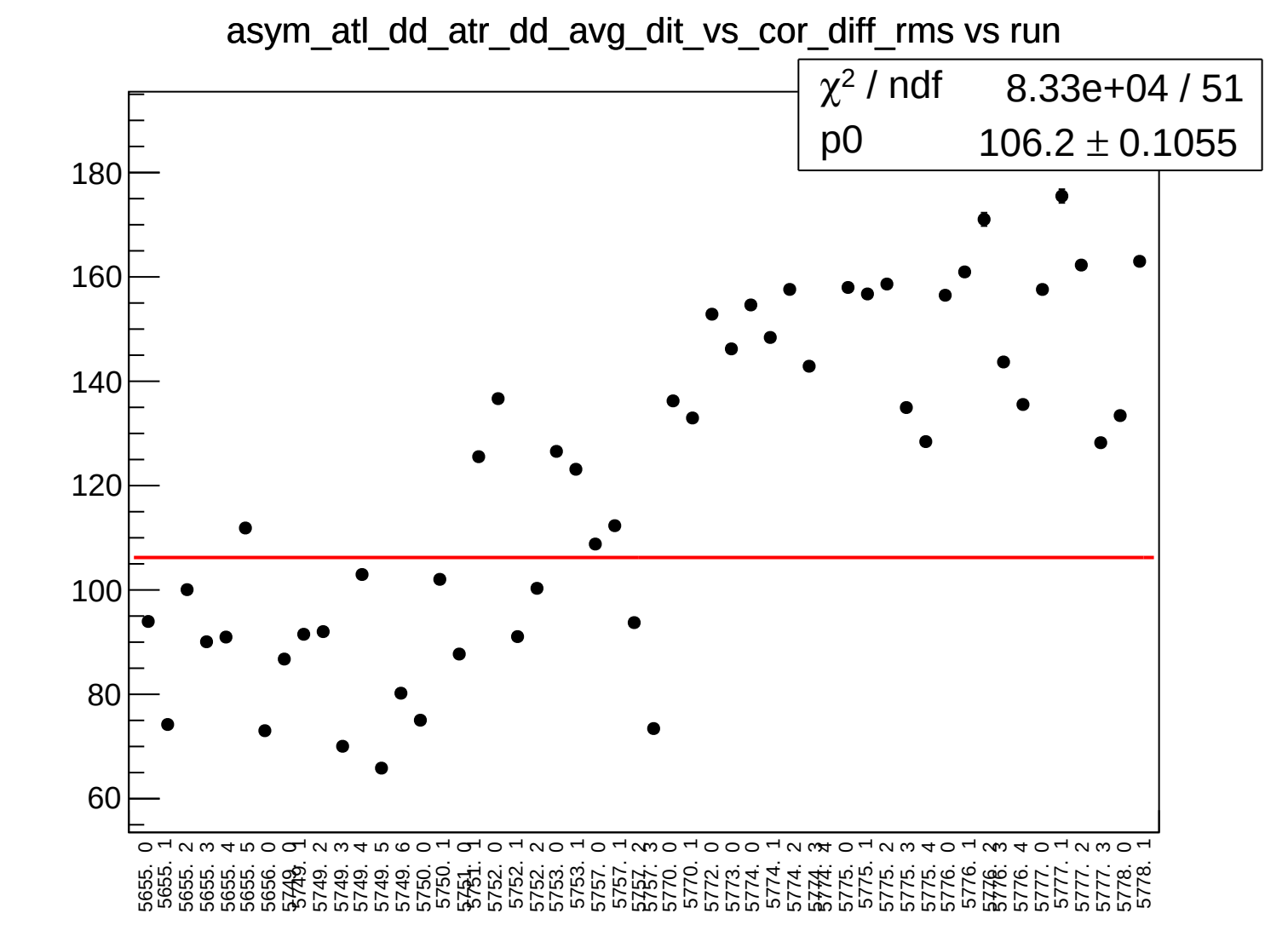

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 51.11 / 51
p0 −1.239e−13 ± 4.493e−13
pull
Entries 52
Mean 36.05
Std Dev 9.436

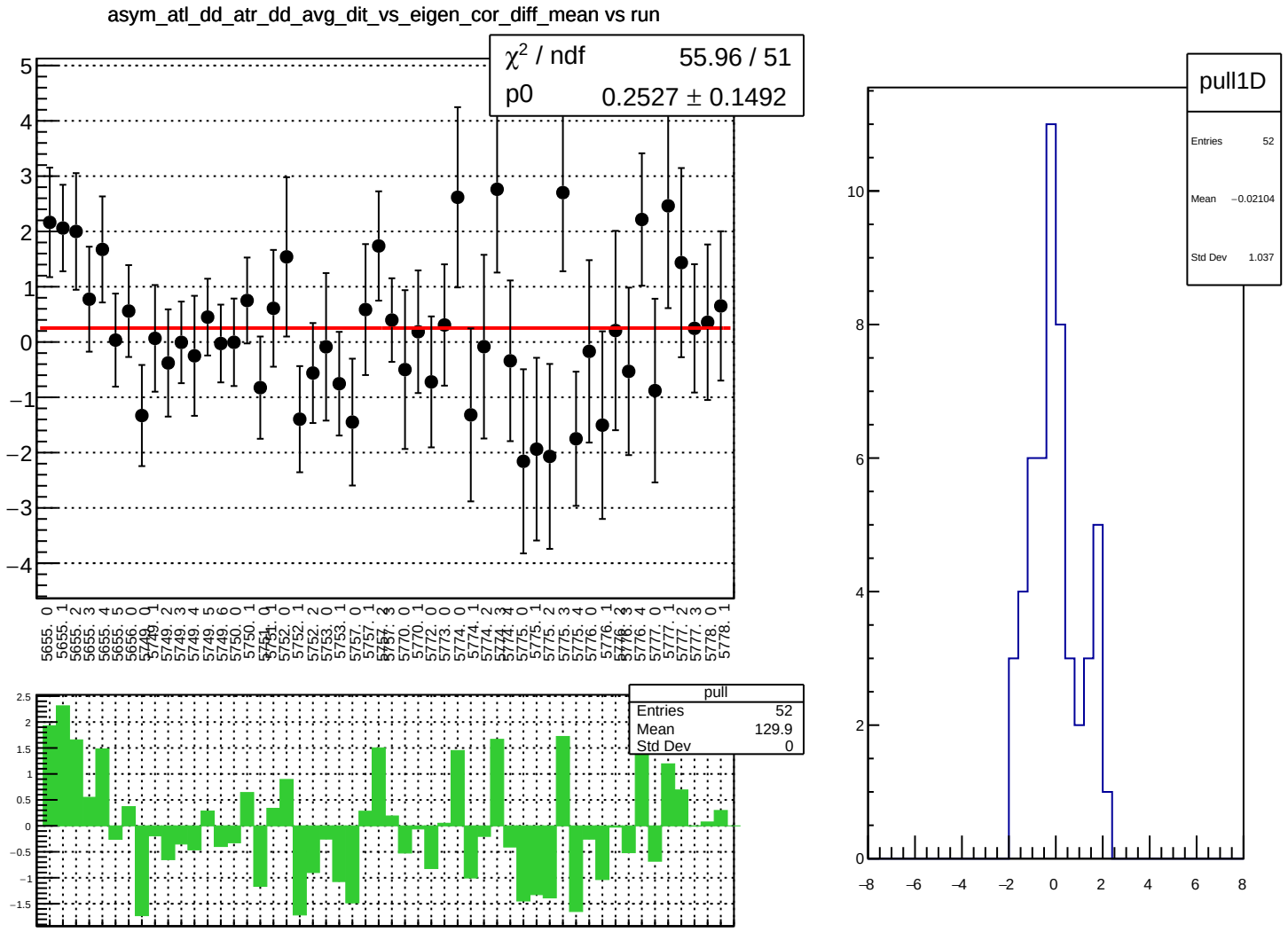

pull1D
Entries 52
Mean −0.1628
Std Dev 0.978

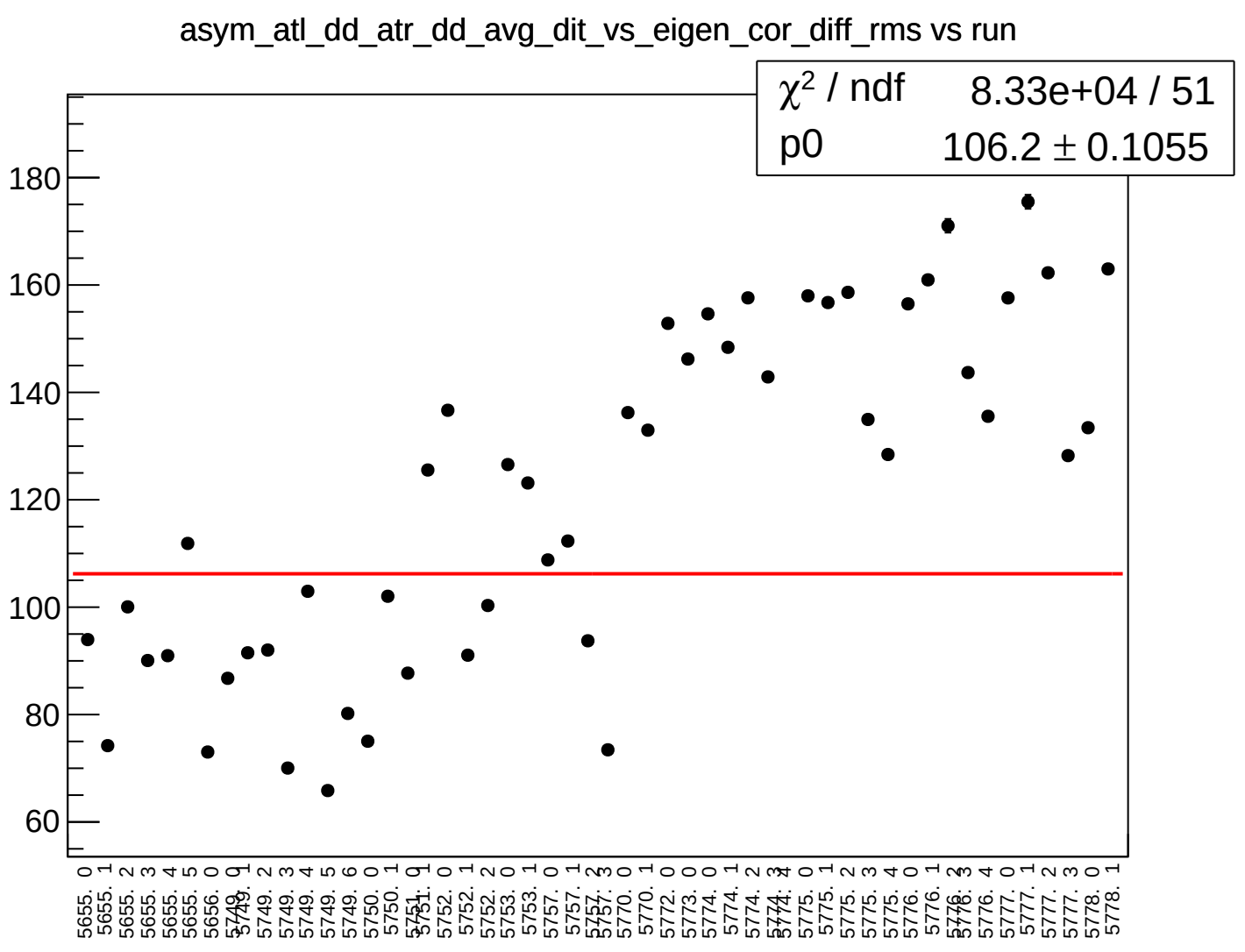

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.451e+05 / 51
p0 1.883e−10 ± 3.177e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

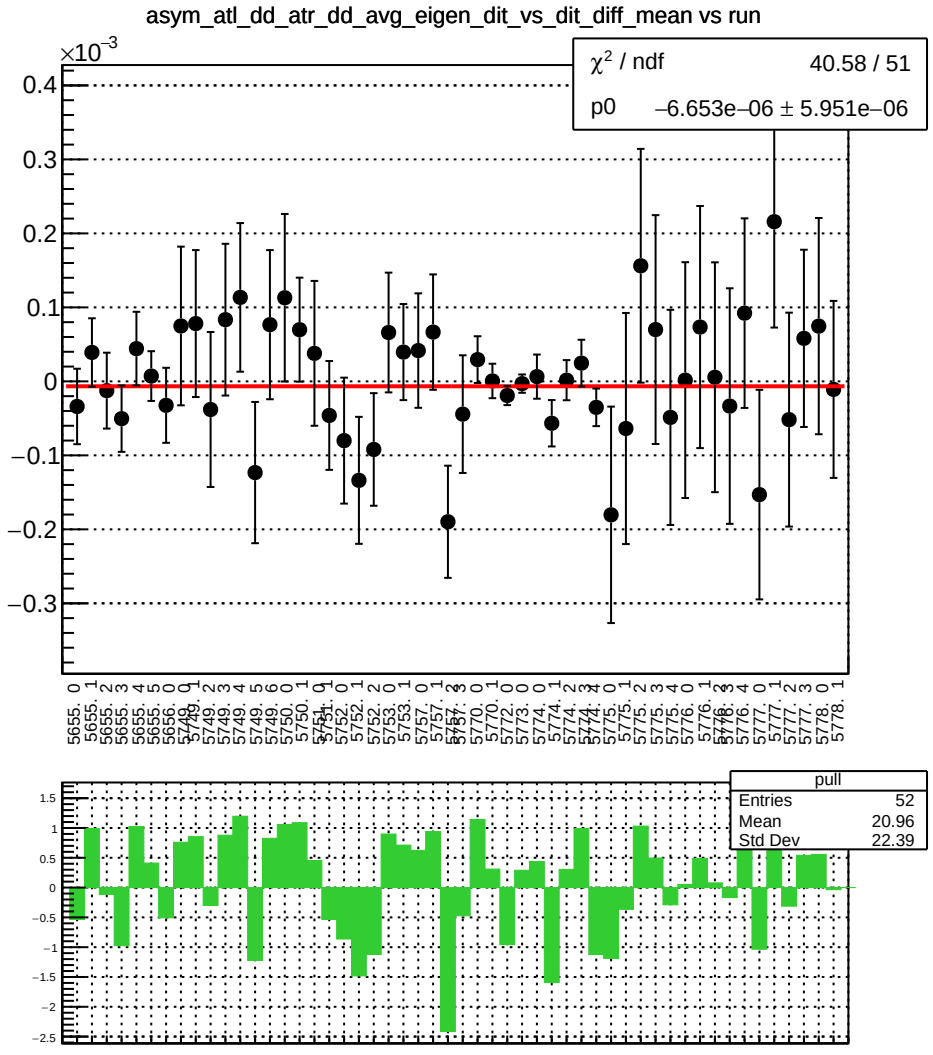

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 55.96 / 51
p0 0.2527 ± 0.1492
pull
Entries 52
Mean 129.9
Std Dev 0

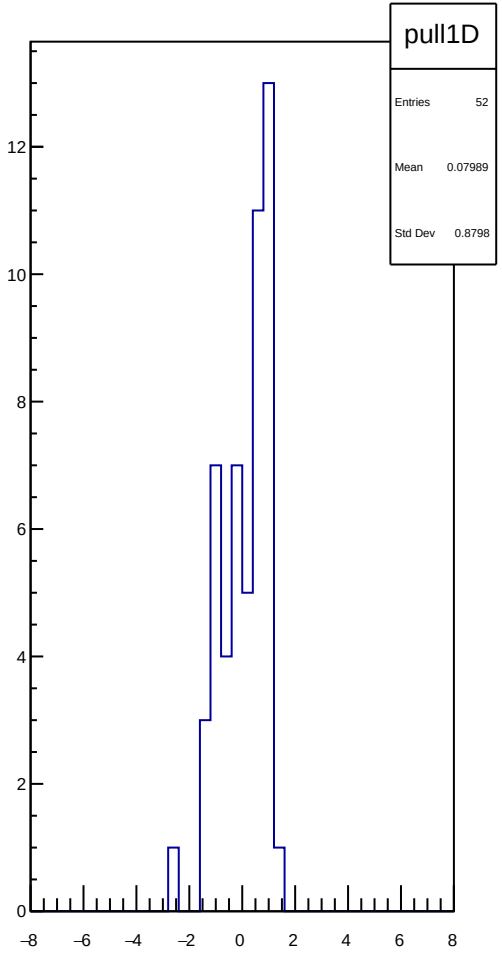

pull1D
Entries 52
Mean −0.02104
Std Dev 1.037

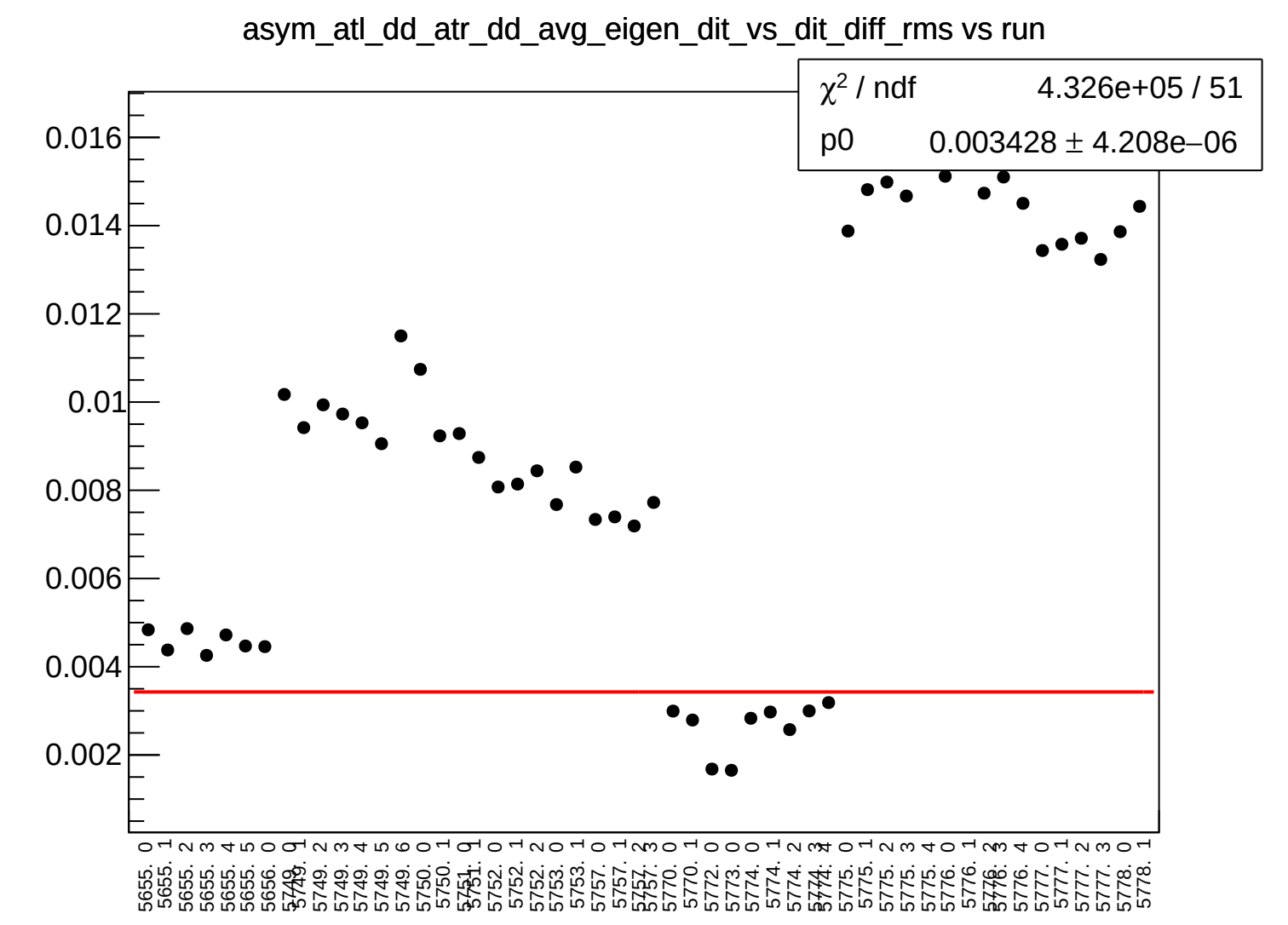

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 8.33e+04 / 51
p0 106.2 ± 0.1055
180
160
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

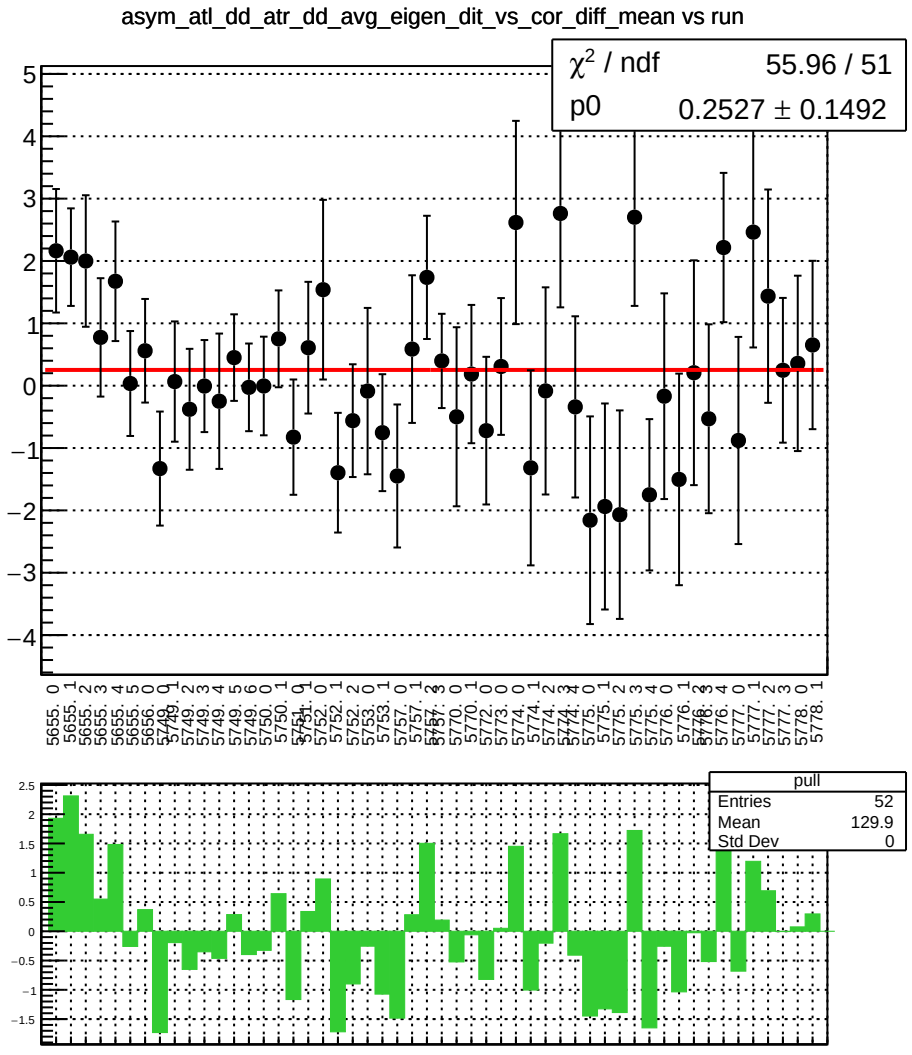

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.96 / 51
p0 0.2527 ± 0.1492
pull
Entries 52
Mean 129.9
Std Dev 0
pull1D
Entries 52
Mean −0.02104
Std Dev 1.037

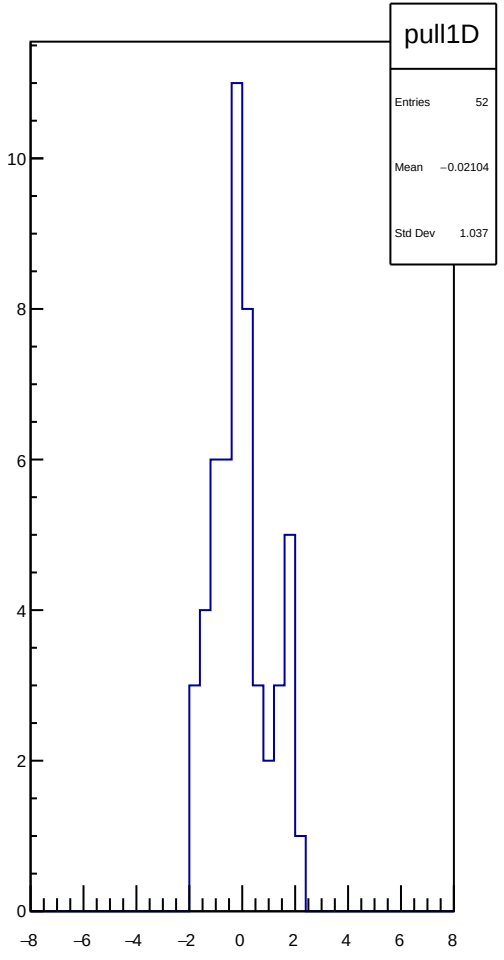

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.33e+04 / 51
p0 106.2 ± 0.1055
180
160
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

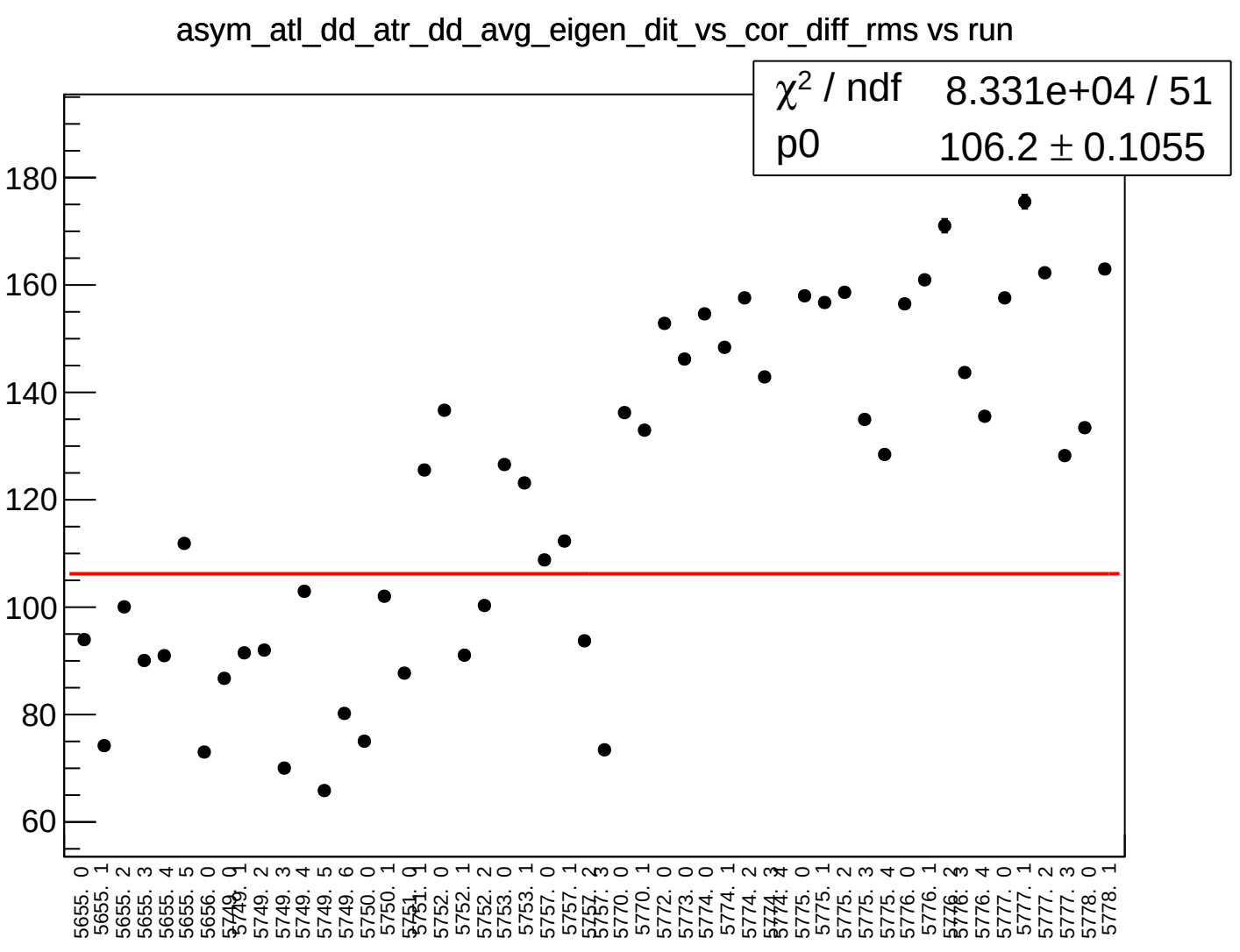

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 40.58 / 51
p0 −6.653e−06 ± 5.951e−06
pull
Entries 52
Mean 20.96
Std Dev 22.39

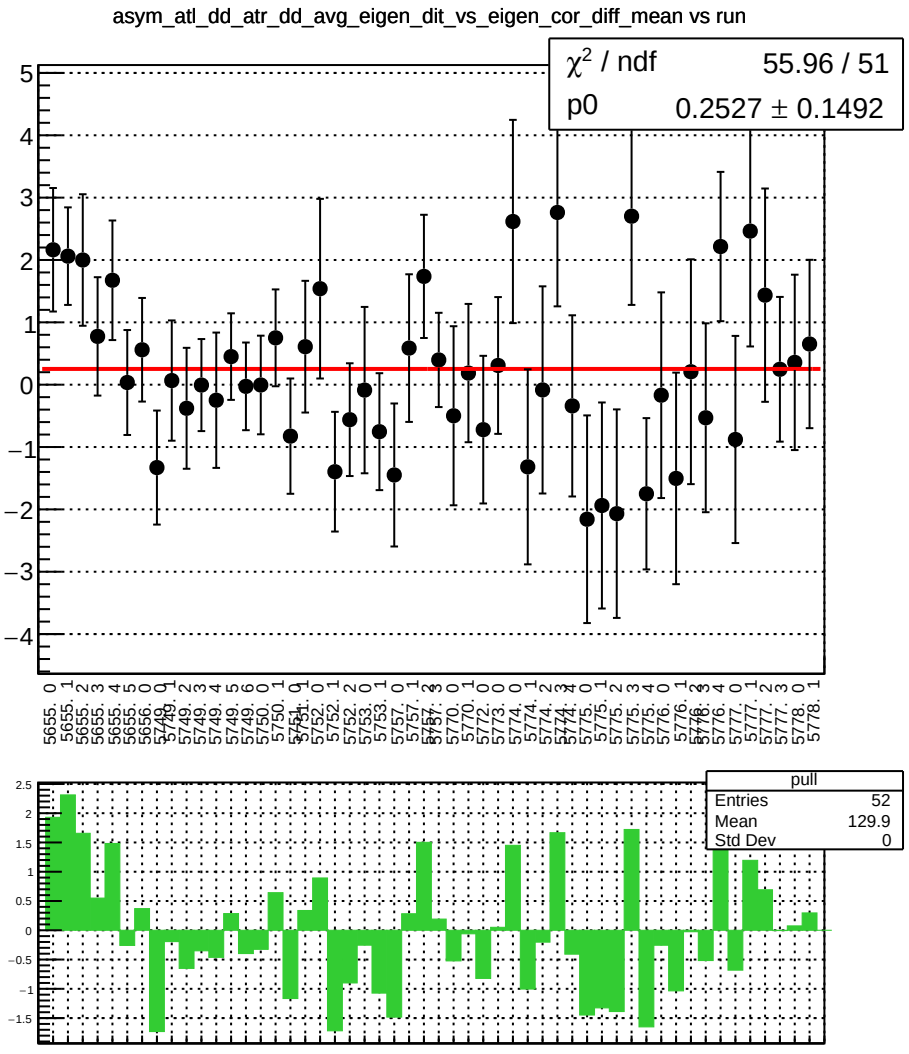

pull1D
Entries 52
Mean 0.07989
Std Dev 0.8798

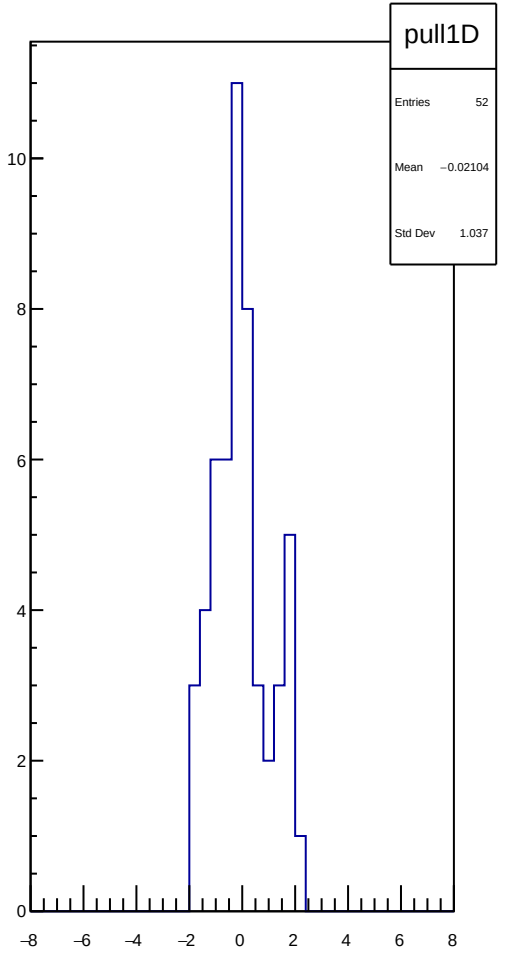

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.326e+05 / 51
p0 0.003428 ± 4.208e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

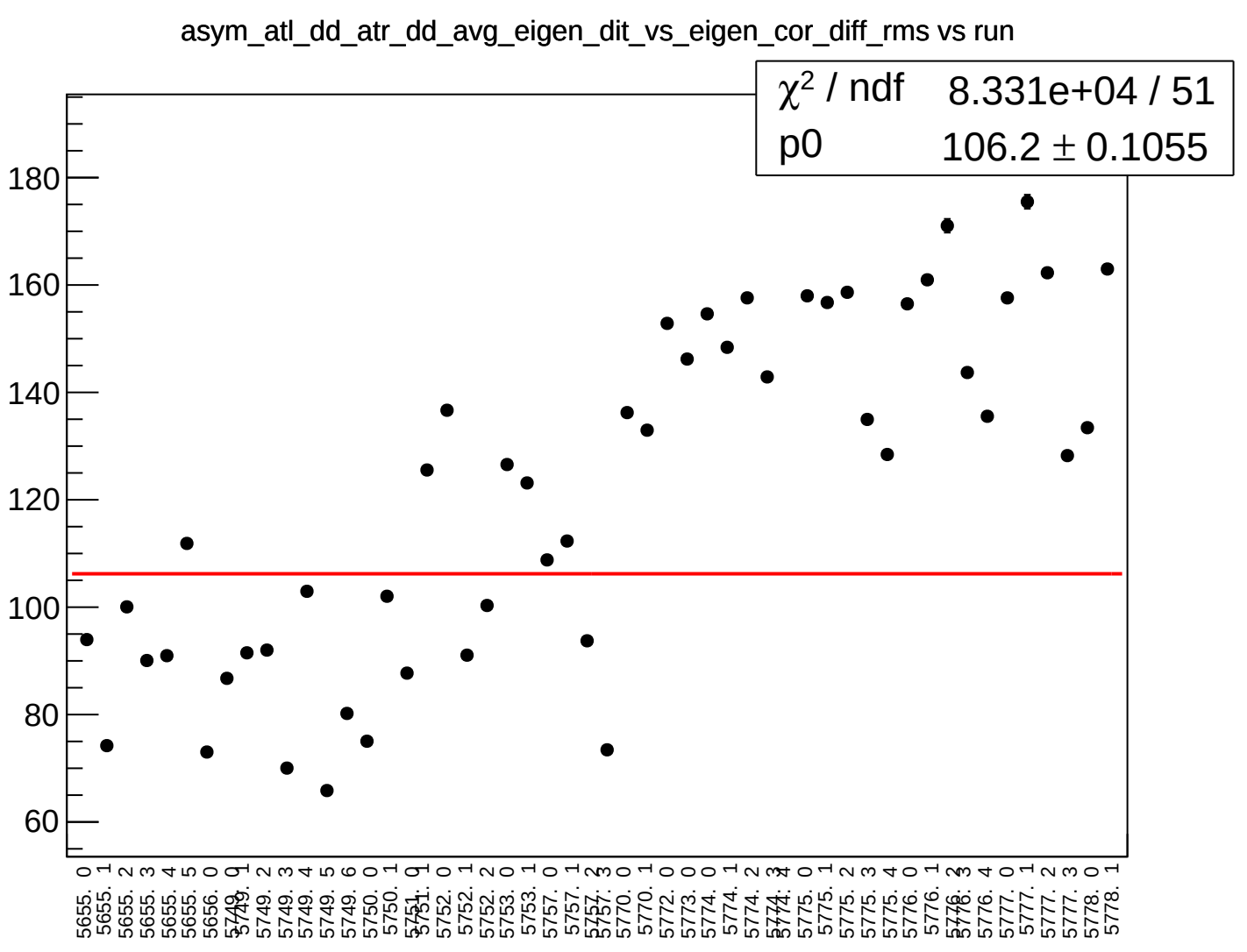

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.96 / 51
p0 0.2527 ± 0.1492
pull
Entries 52
Mean 129.9
Std Dev 0

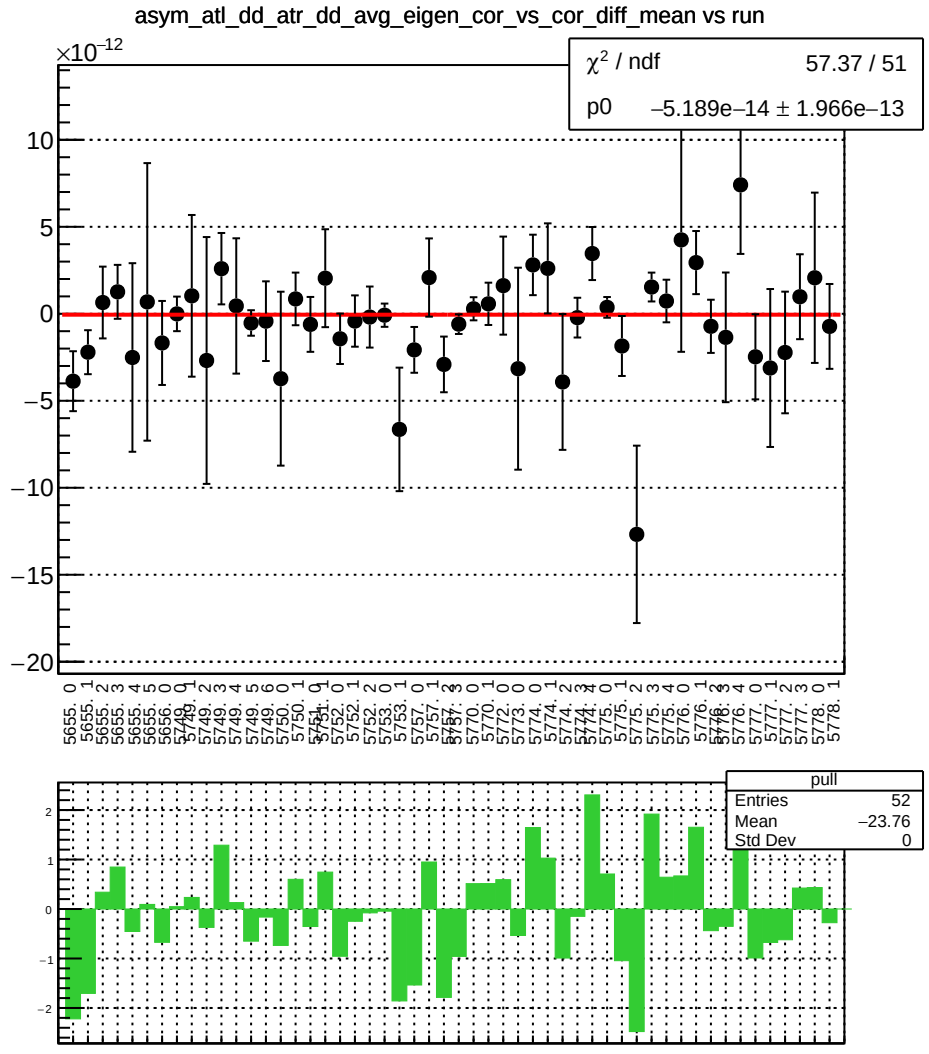

pull1D
Entries 52
Mean −0.02104
Std Dev 1.037

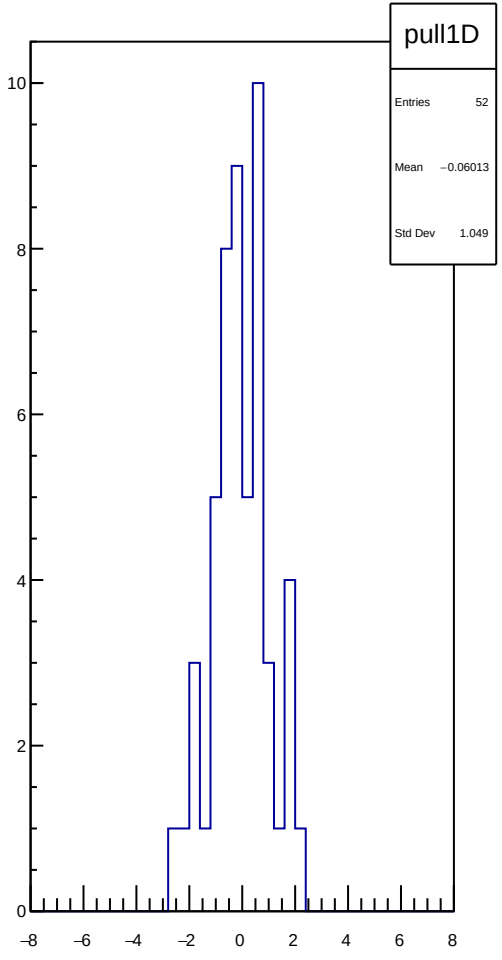

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.331e+04 / 51
p0 106.2 ± 0.1055
180
160
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

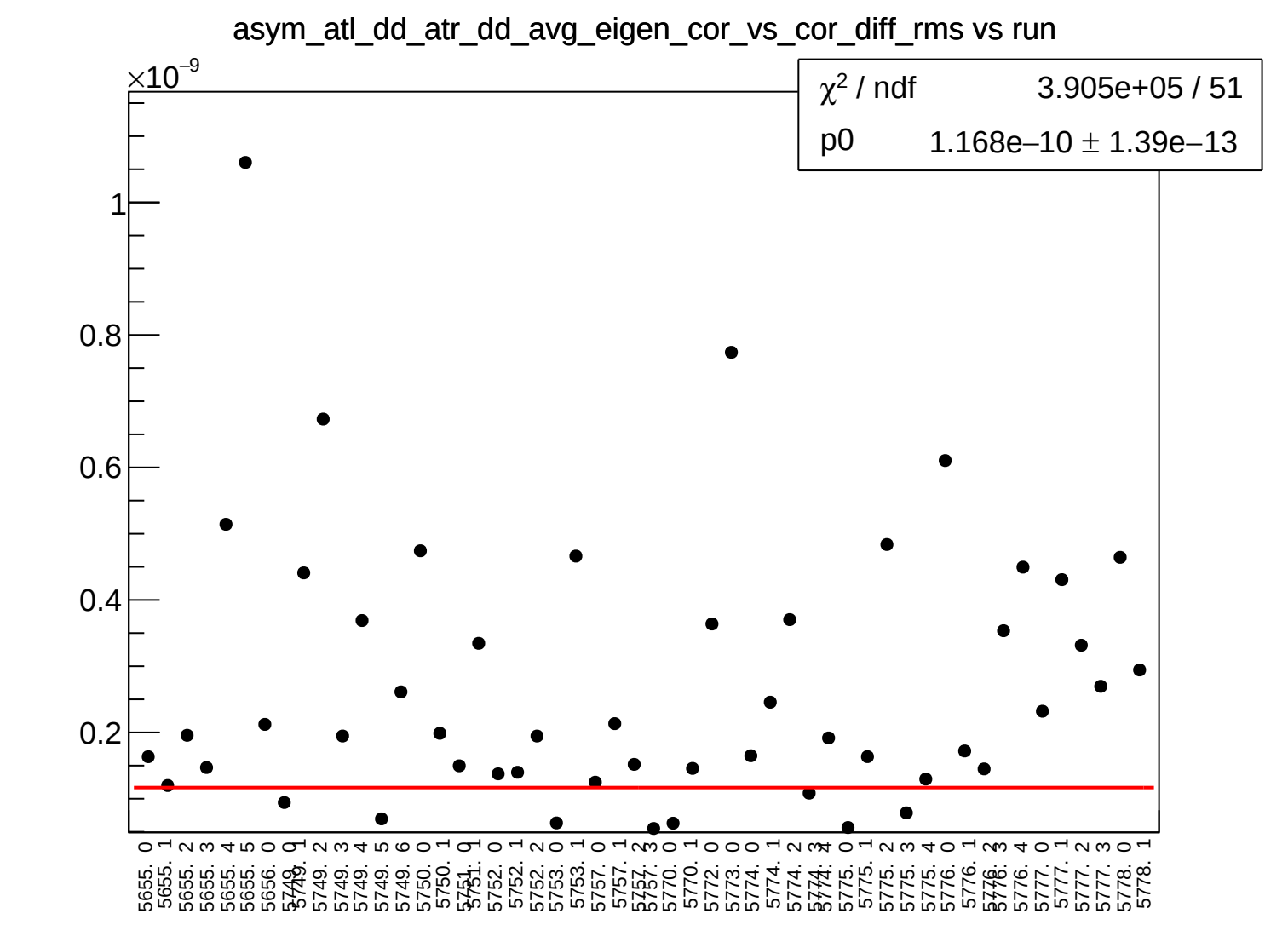

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.96 / 51
p0 0.2527 ± 0.1492
pull
Entries 52
Mean 129.9
Std Dev 0

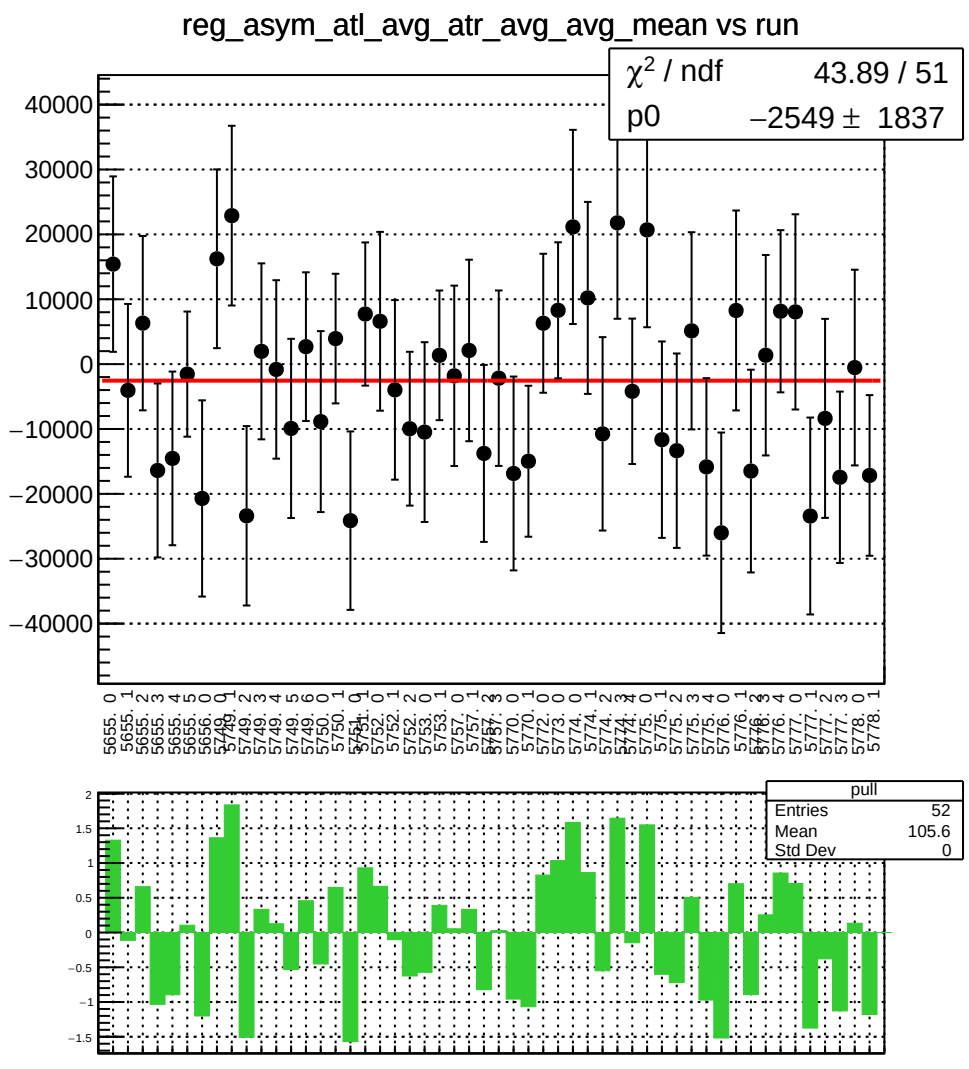

pull1D
Entries 52
Mean −0.02104
Std Dev 1.037

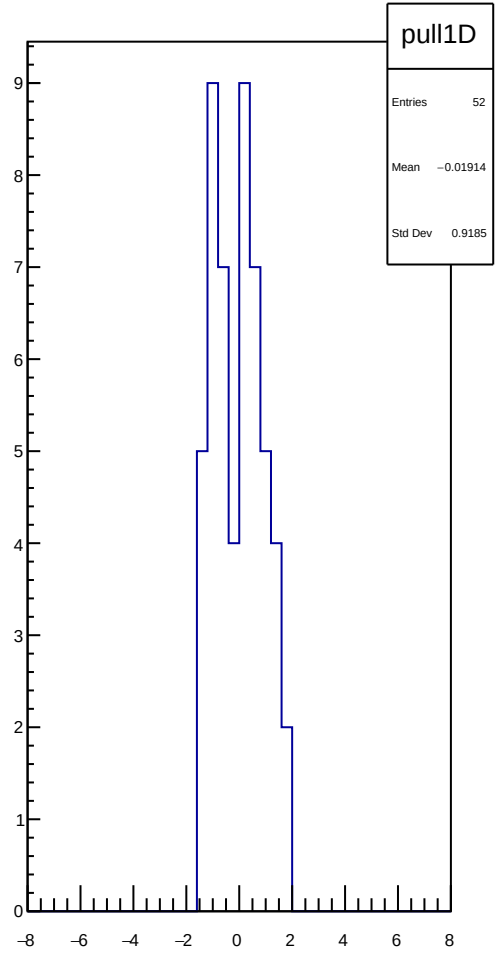

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.331e+04 / 51
p0 106.2 ± 0.1055
180
160
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

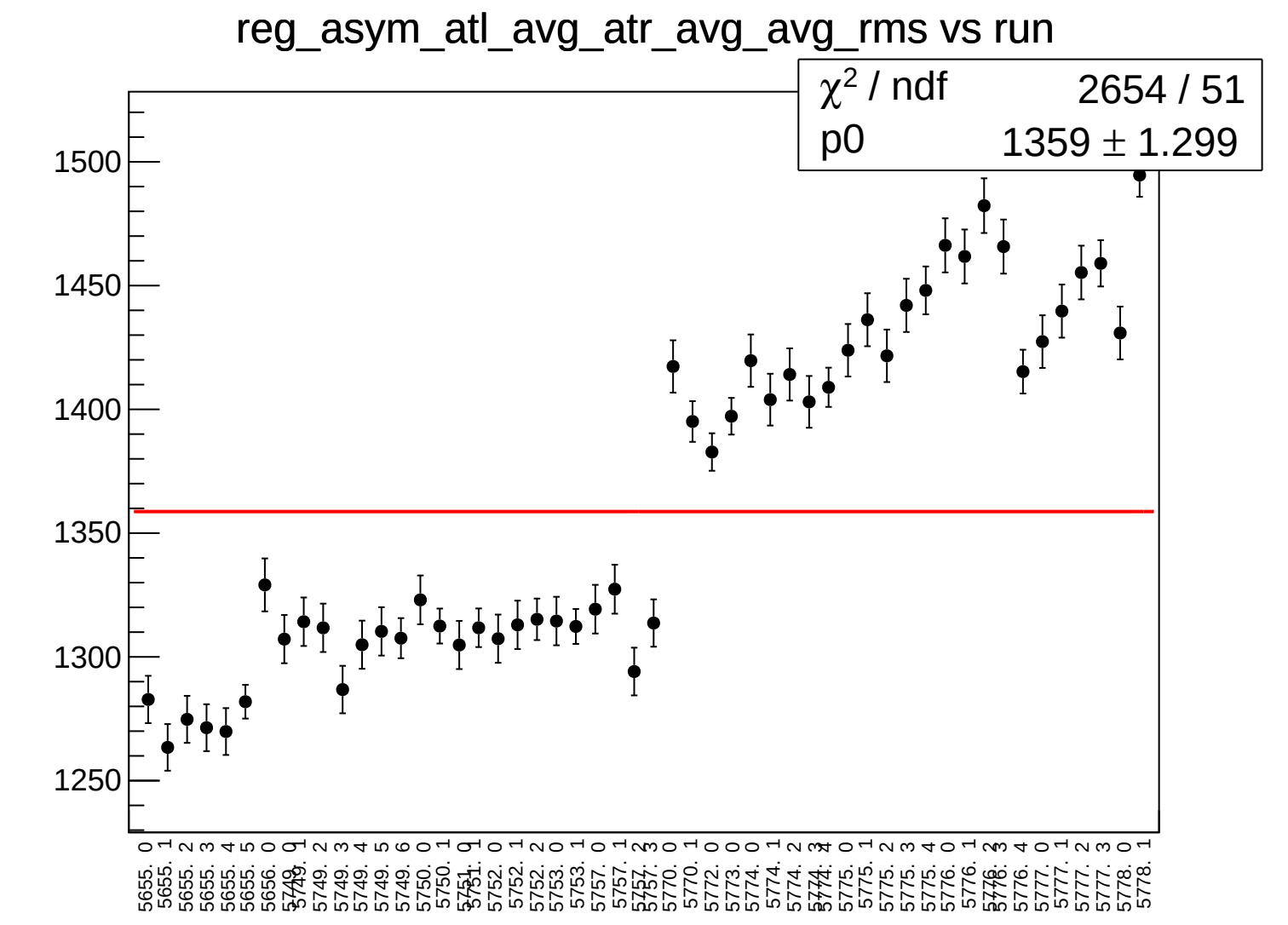

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 57.37 / 51
p0 −5.189e−14 ± 1.966e−13
pull
Entries 52
Mean −23.76
Std Dev 0

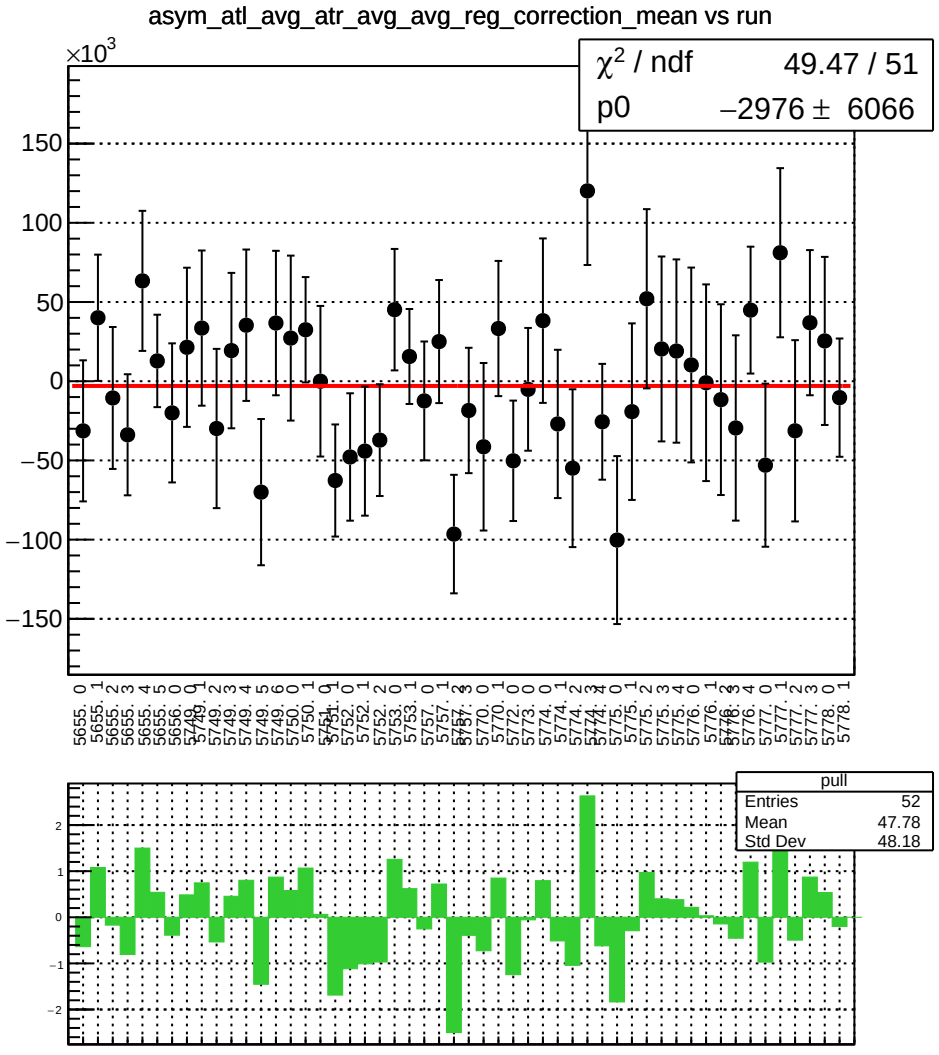

pull1D
Entries 52
Mean −0.06013
Std Dev 1.049

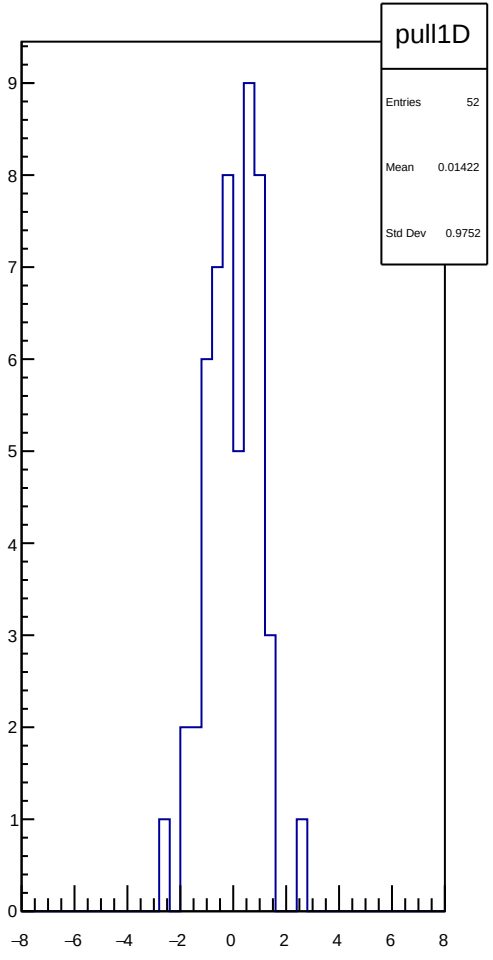

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.905e+05 / 51
p0 1.168e−10 ± 1.39e−13
1
0.8
0.6
0.4
0.2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

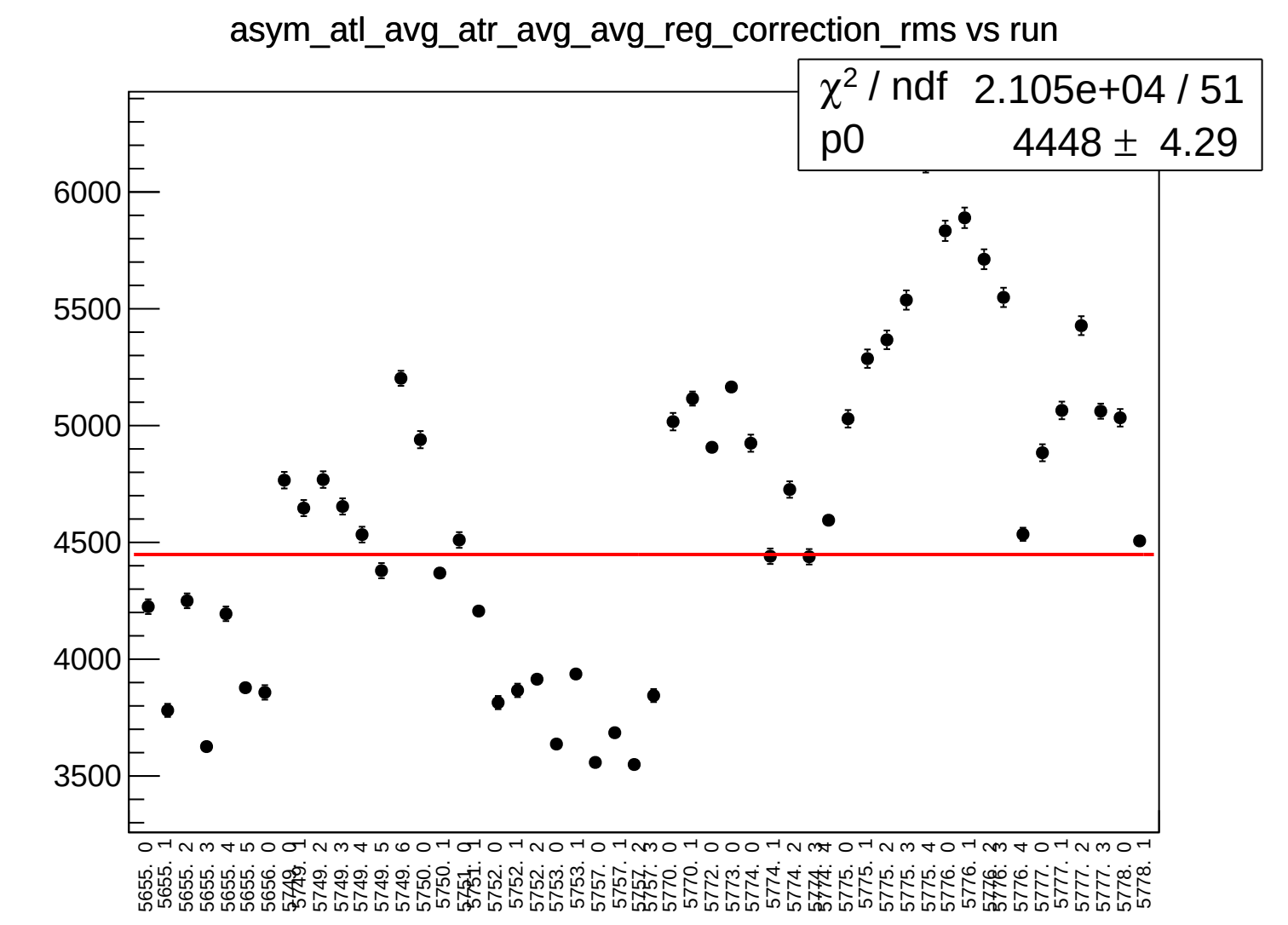

reg_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 43.89 / 51
p0 −2549 ± 1837
pull
Entries 52
Mean 105.6
Std Dev 0

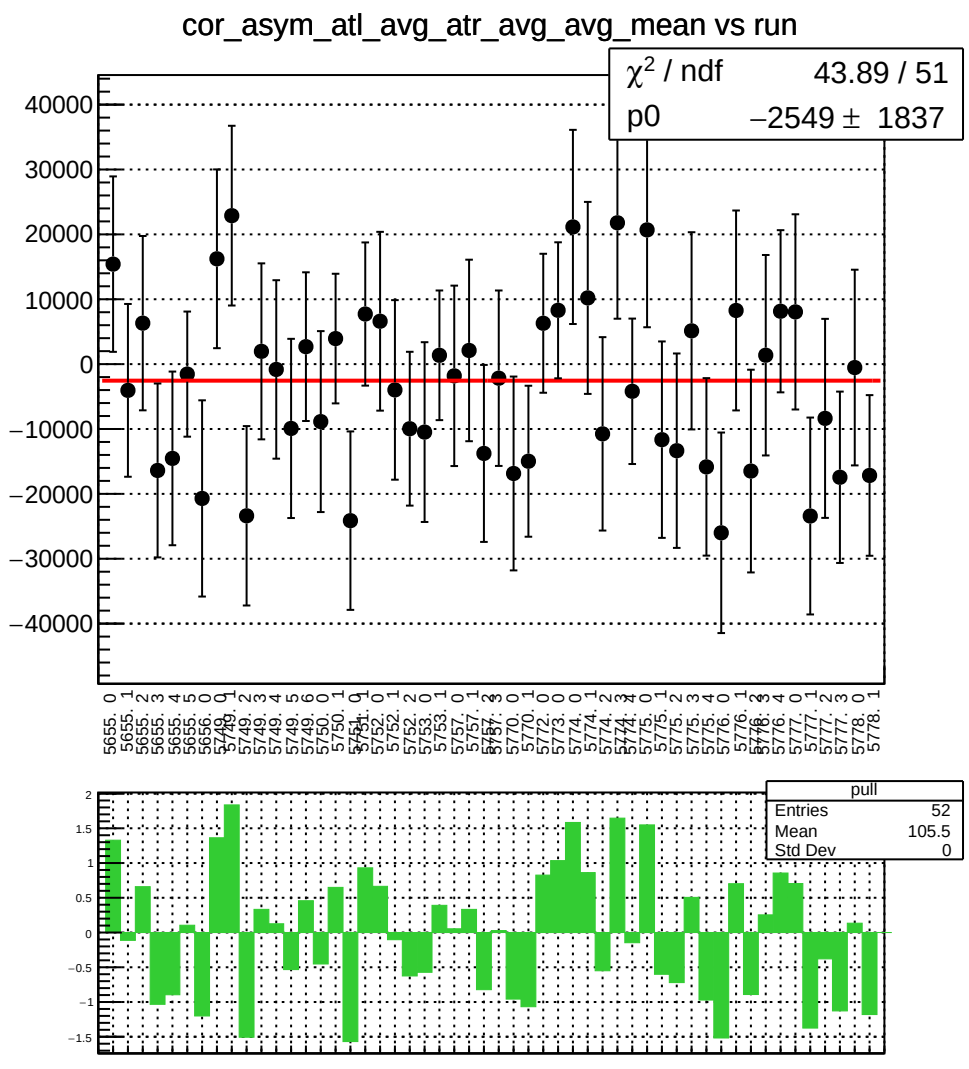

pull1D
Entries 52
Mean −0.01914
Std Dev 0.9185

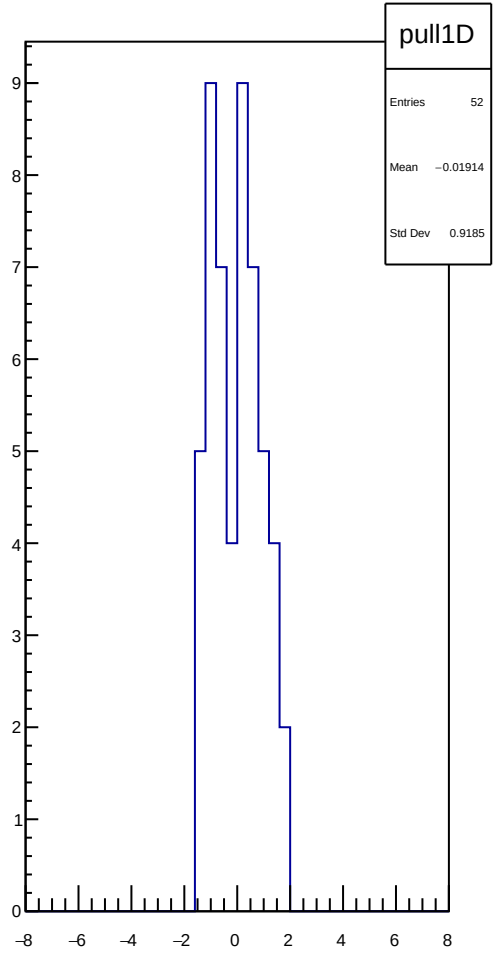

reg_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 2654 / 51
p0 1359 ± 1.299
1500
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

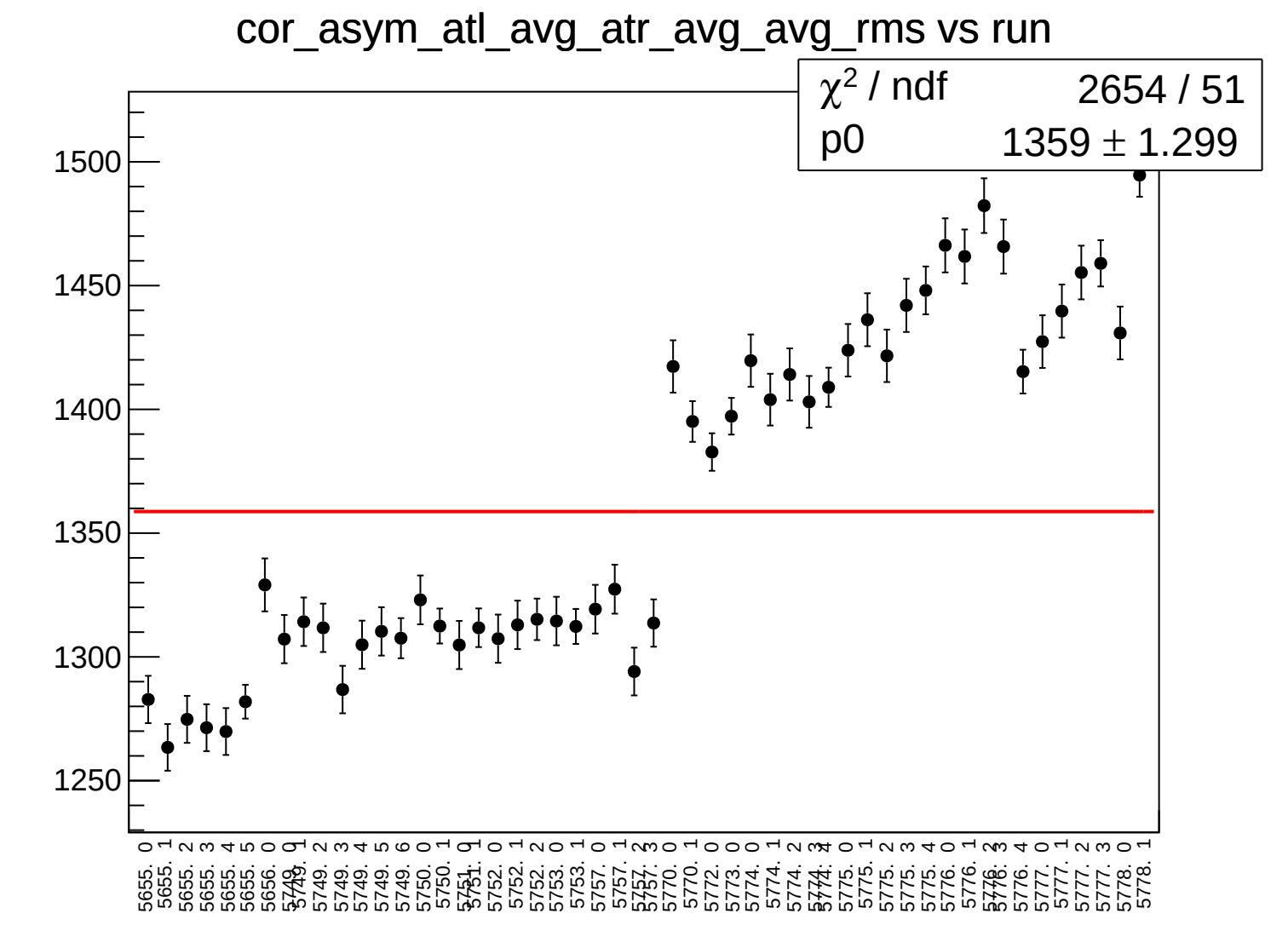

asym_atl_avg_atr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 49.47 / 51
p0 −2976 ± 6066
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean 47.78
Std Dev 48.18
2
1
0
−1
−2

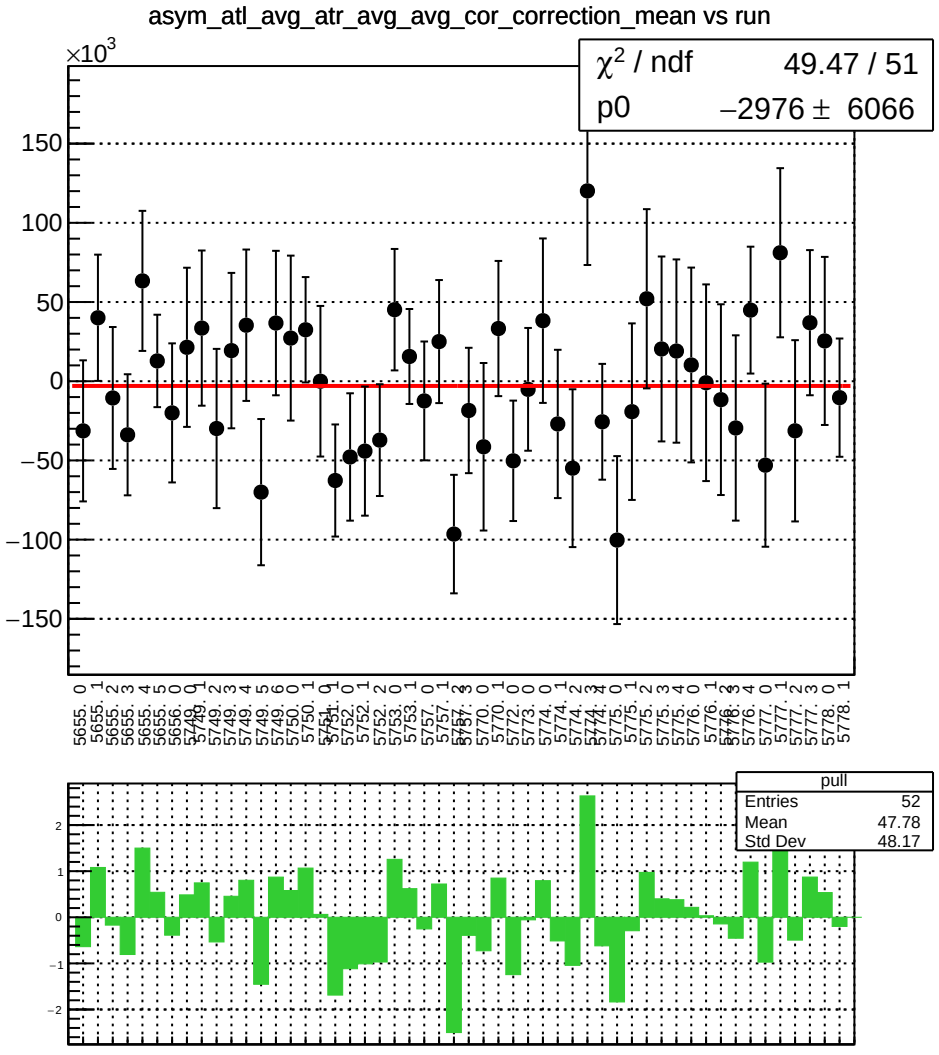

pull1D
Entries 52
Mean 0.01422
Std Dev 0.9752
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

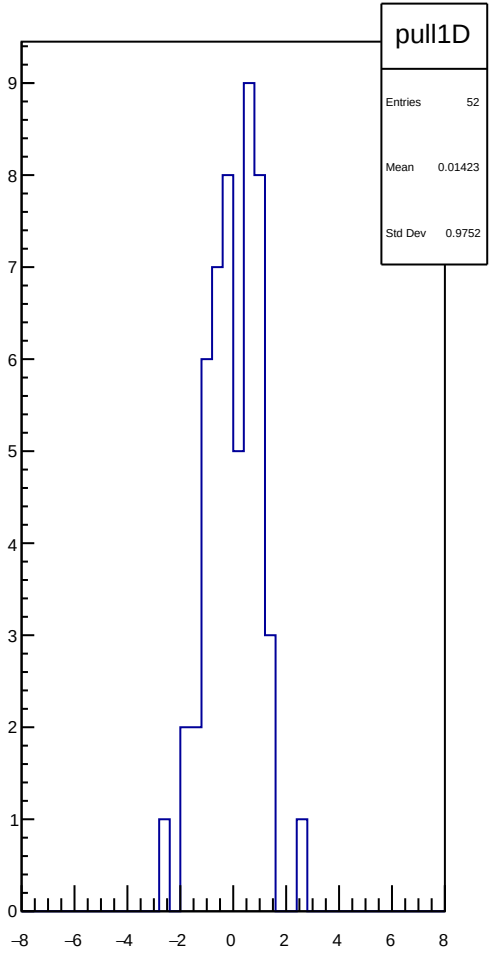

asym_atl_avg_atr_avg_avg_reg_correction_rms vs run
χ² / ndf 2.105e+04 / 51
p0 4448 ± 4.29
6000
5500
5000
4500
4000
3500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

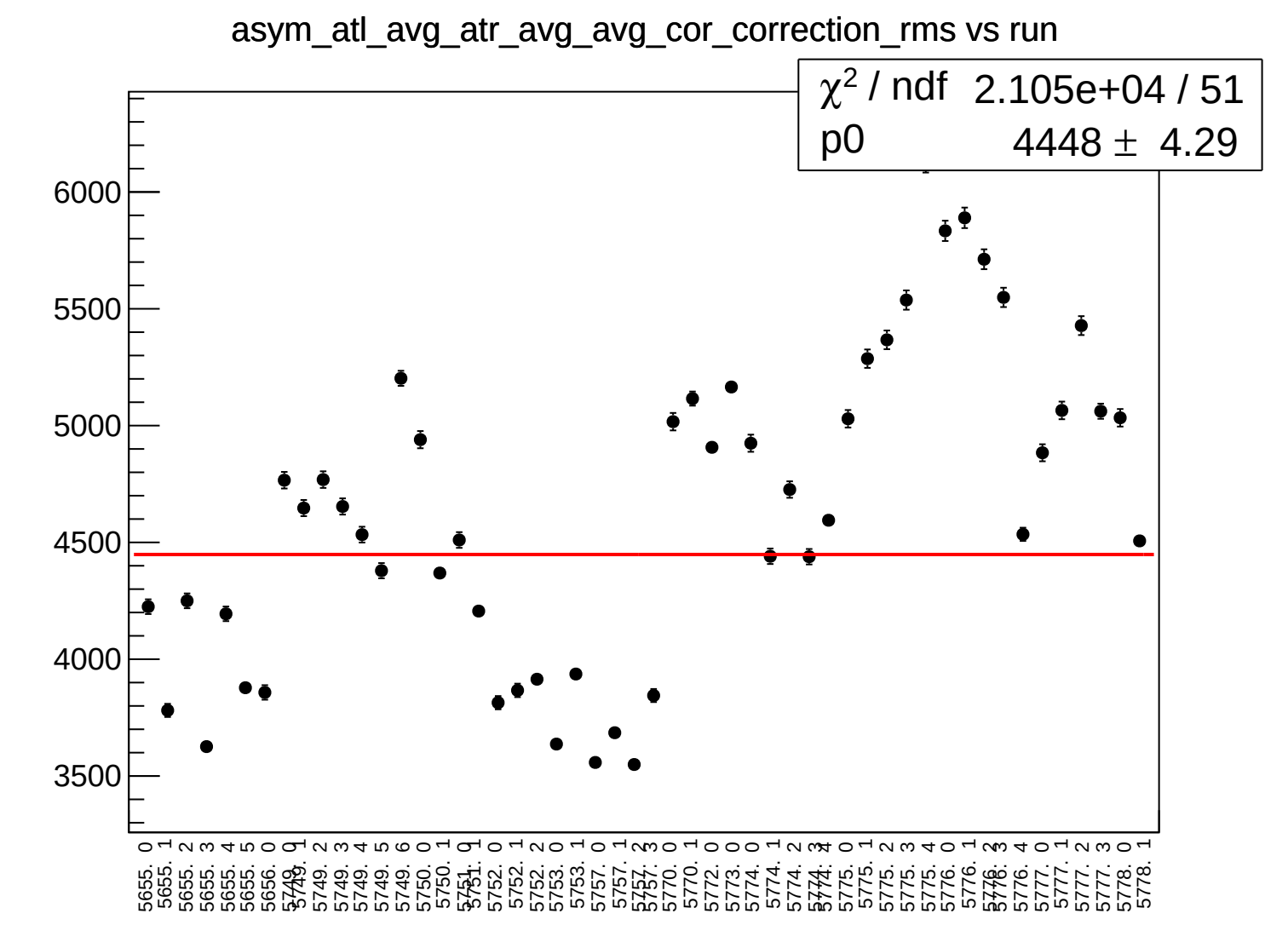

cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 43.89 / 51
p0 −2549 ± 1837
pull
Entries 52
Mean 105.5
Std Dev 0


pull1D
Entries 52
Mean −0.01914
Std Dev 0.9185


cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 2654 / 51
p0 1359 ± 1.299
1500
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl_avg_atr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 49.47 / 51
p0 −2976 ± 6066
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean 47.78
Std Dev 48.17
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01423
Std Dev 0.9752
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_avg_cor_correction_rms vs run
χ² / ndf 2.105e+04 / 51
p0 4448 ± 4.29
6000
5500
5000
4500
4000
3500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
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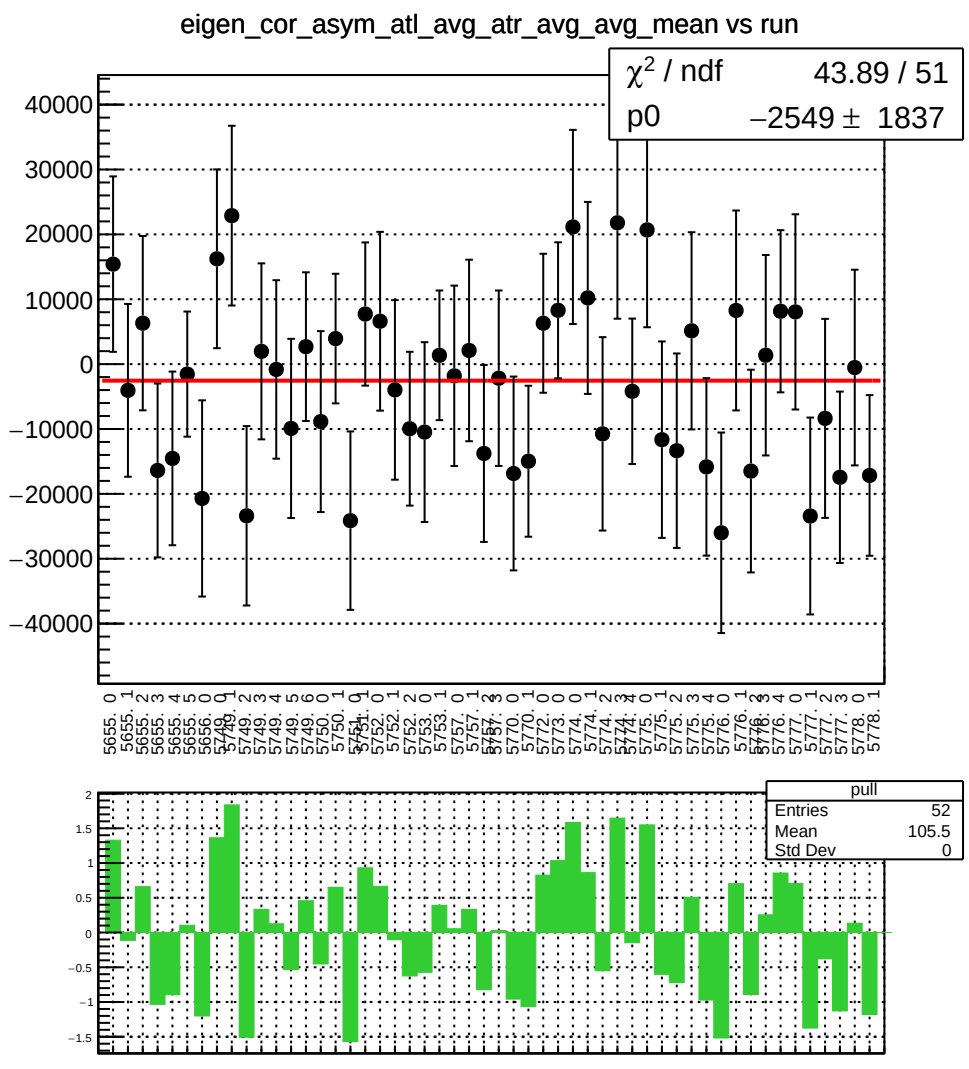
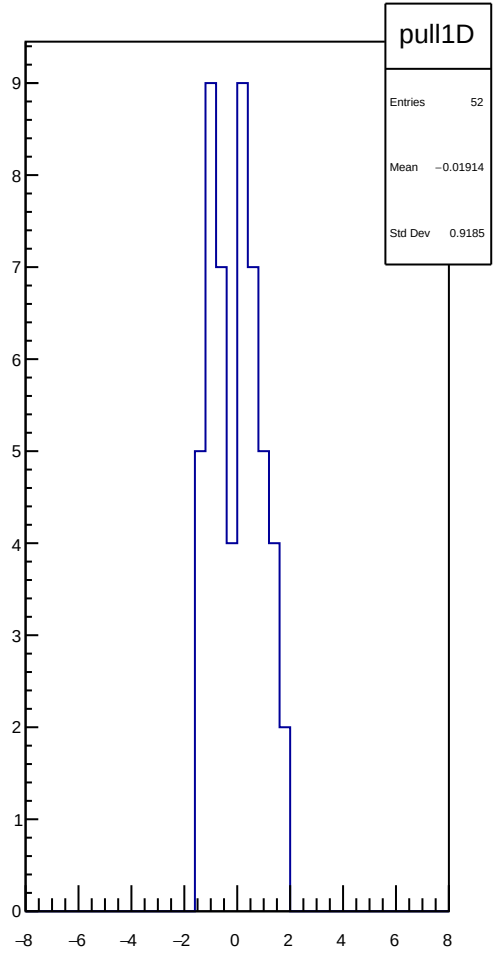
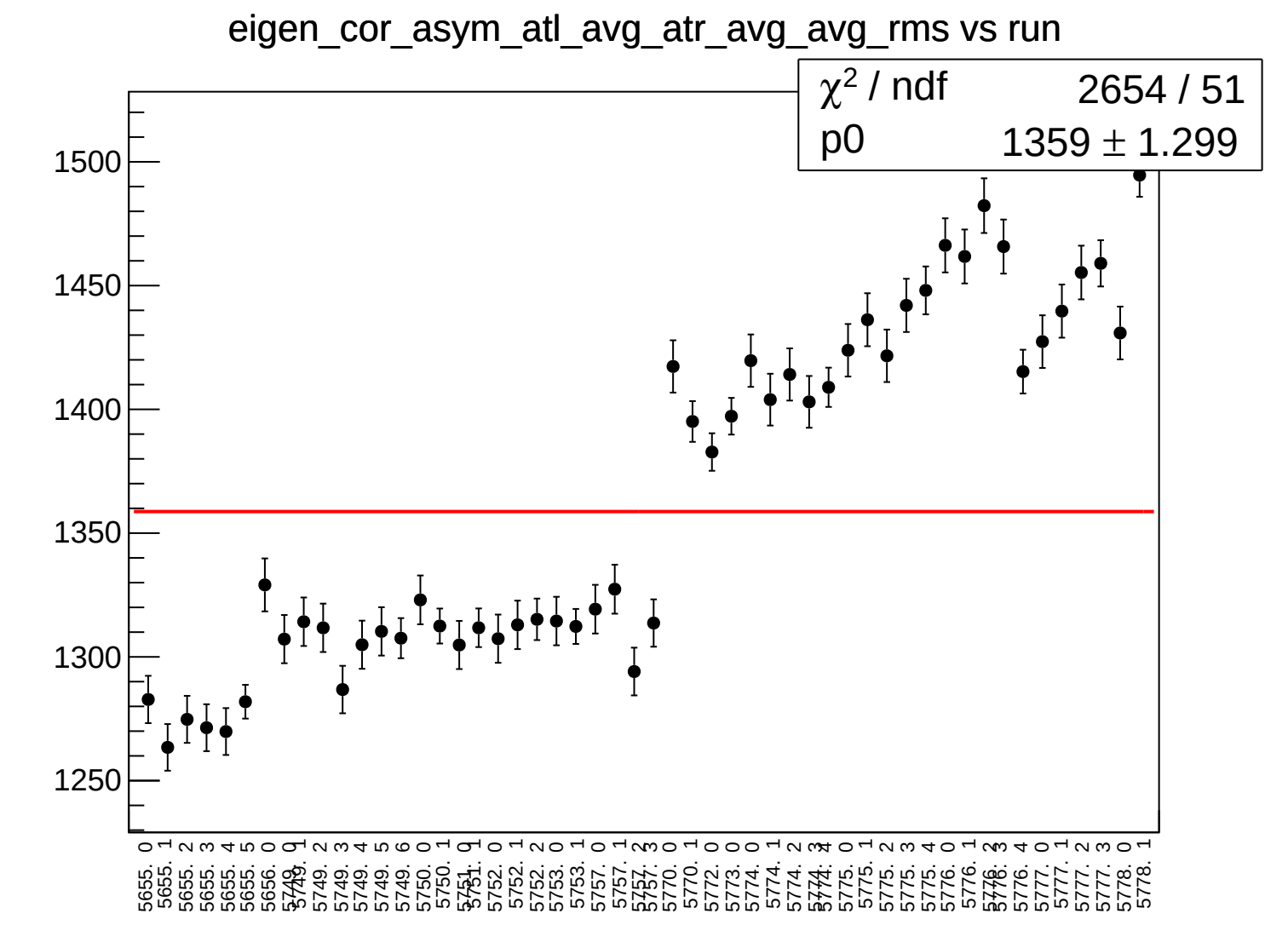
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 43.89 / 51
p0 −2549 ± 1837
pull
Entries 52
Mean 105.5
Std Dev 0


pull1D
Entries 52
Mean −0.01914
Std Dev 0.9185


eigen_cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 2654 / 51
p0 1359 ± 1.299
1500
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
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5752. 2
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5757. 0
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5757. 2
5757. 3
5770. 0
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5773. 0
5774. 0
5774. 1
5774. 2
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5774. 4
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5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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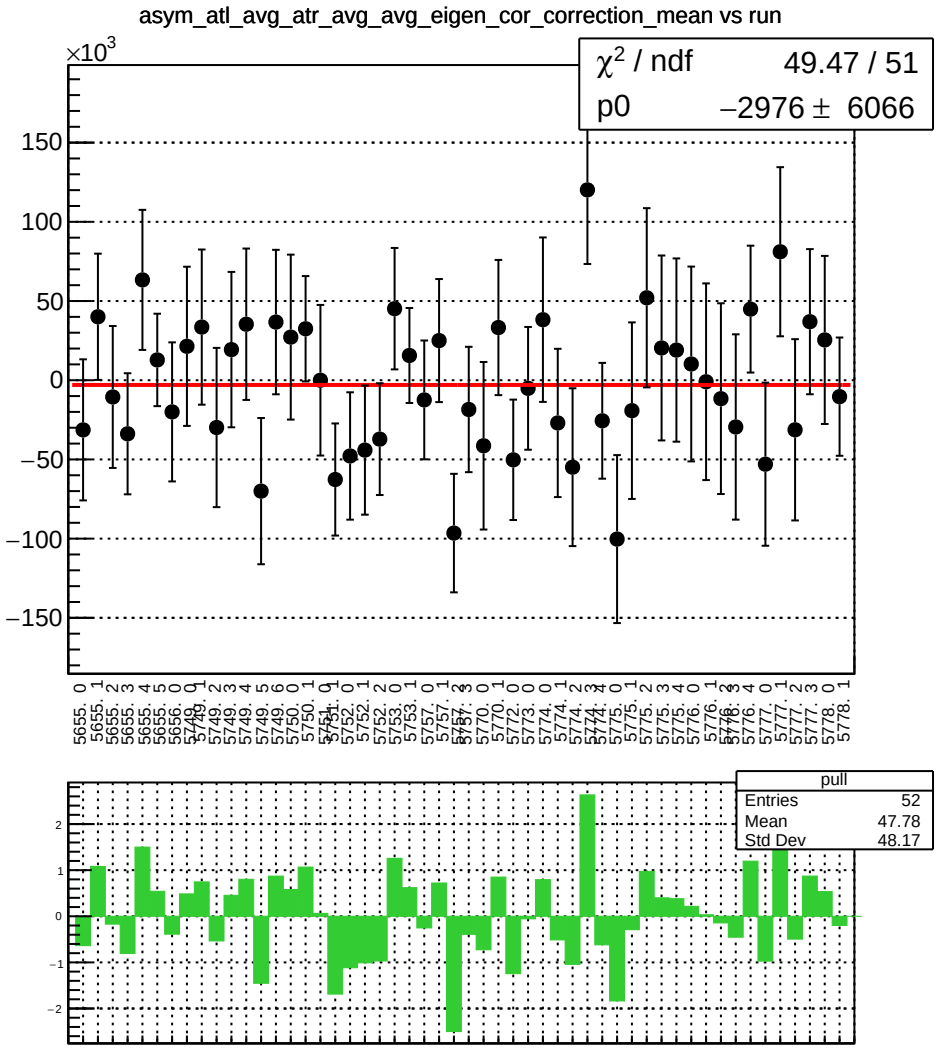
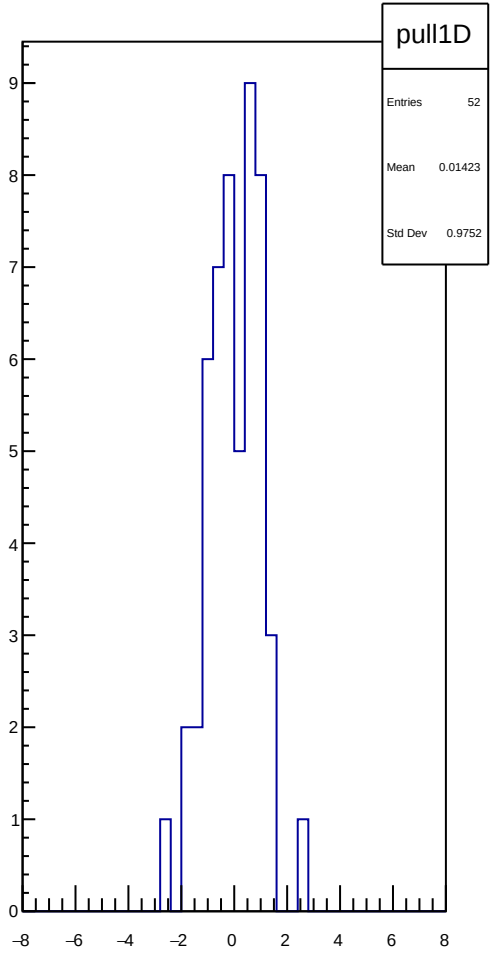
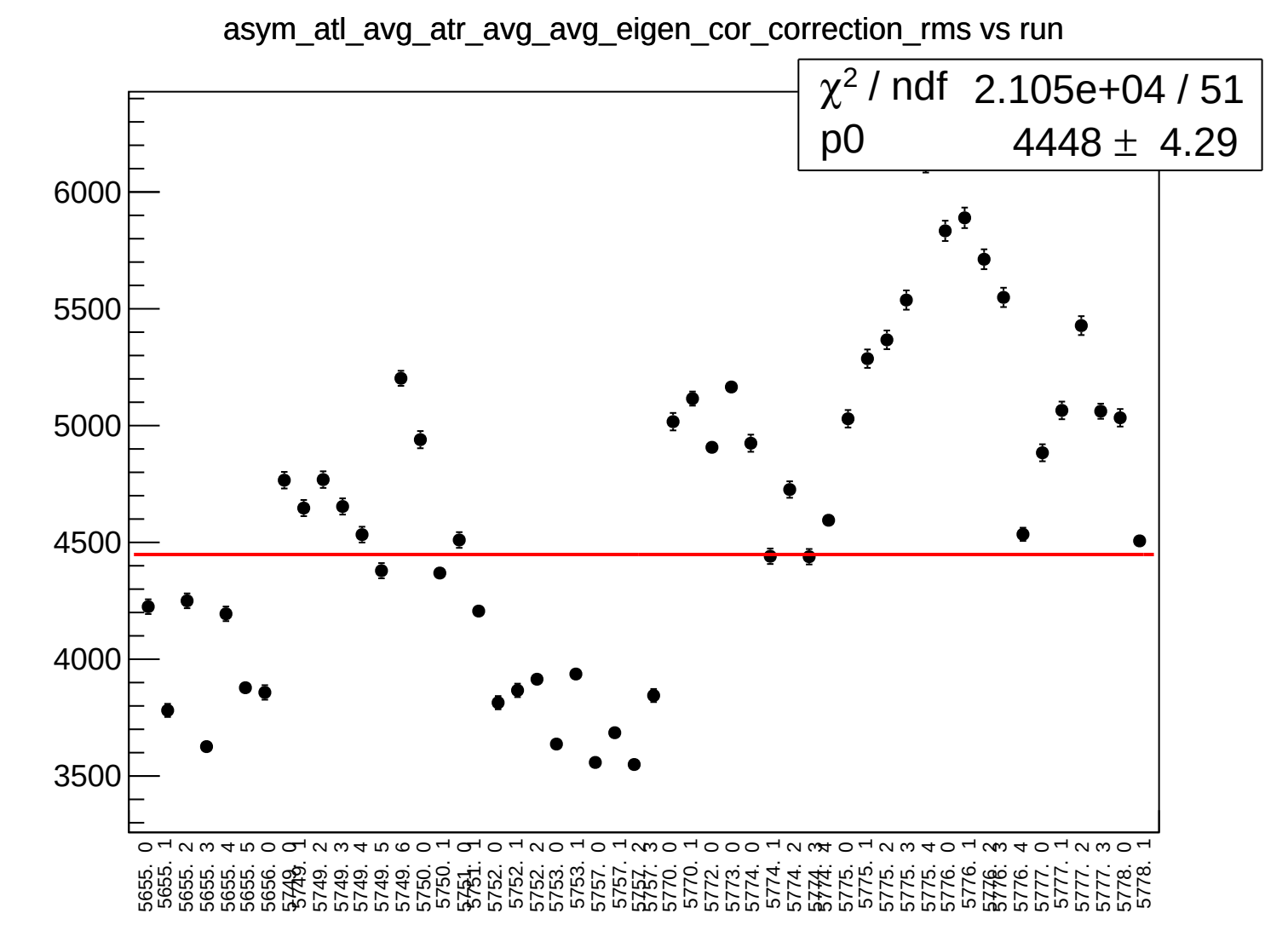
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 49.47 / 51
p0 −2976 ± 6066
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean 47.78
Std Dev 48.17
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01423
Std Dev 0.9752
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.105e+04 / 51
p0 4448 ± 4.29
6000
5500
5000
4500
4000
3500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5750. 1
5751. 0
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5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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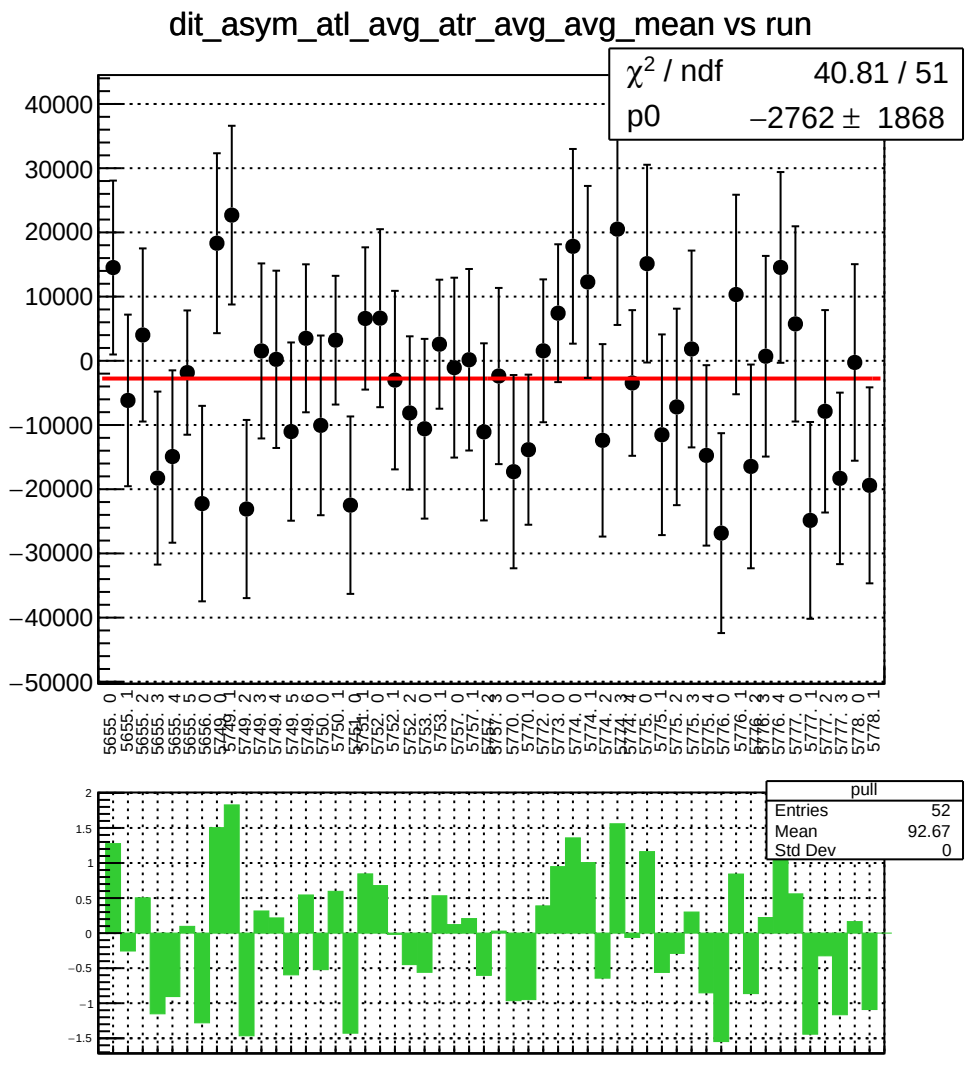
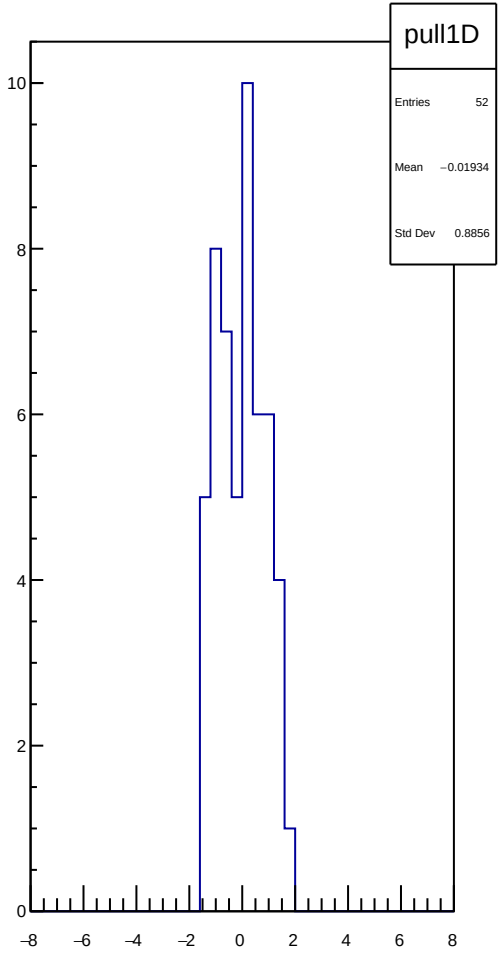
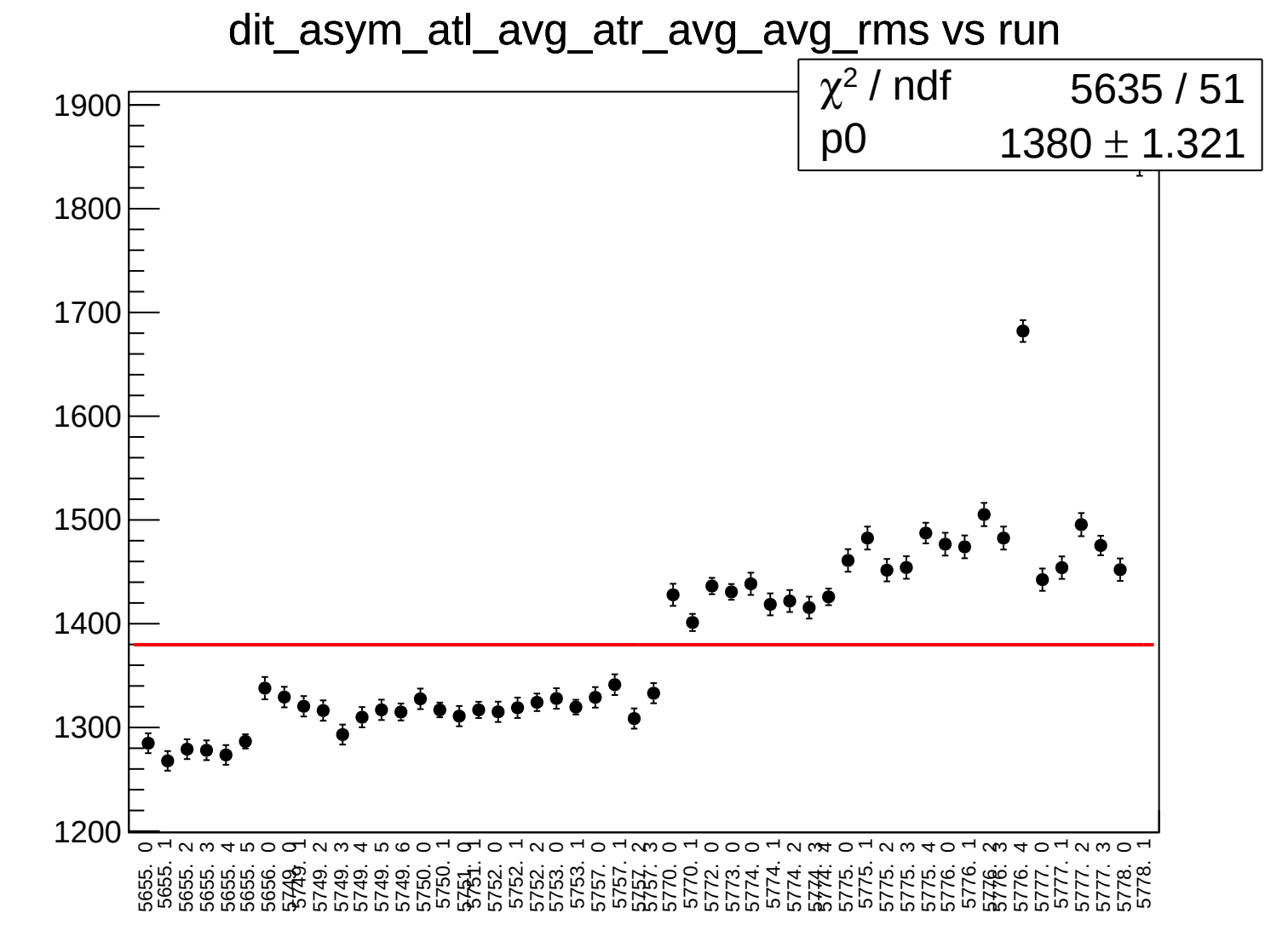
5778. 1


dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 40.81 / 51
p0 −2762 ± 1868
pull
Entries 52
Mean 92.67
Std Dev 0


pull1D
Entries 52
Mean −0.01934
Std Dev 0.8856


dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 5635 / 51
p0 1380 ± 1.321
1900
1800
1700
1600
1500
1400
1300
1200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
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5757. 0
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5757. 2
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5770. 1
5772. 0
5773. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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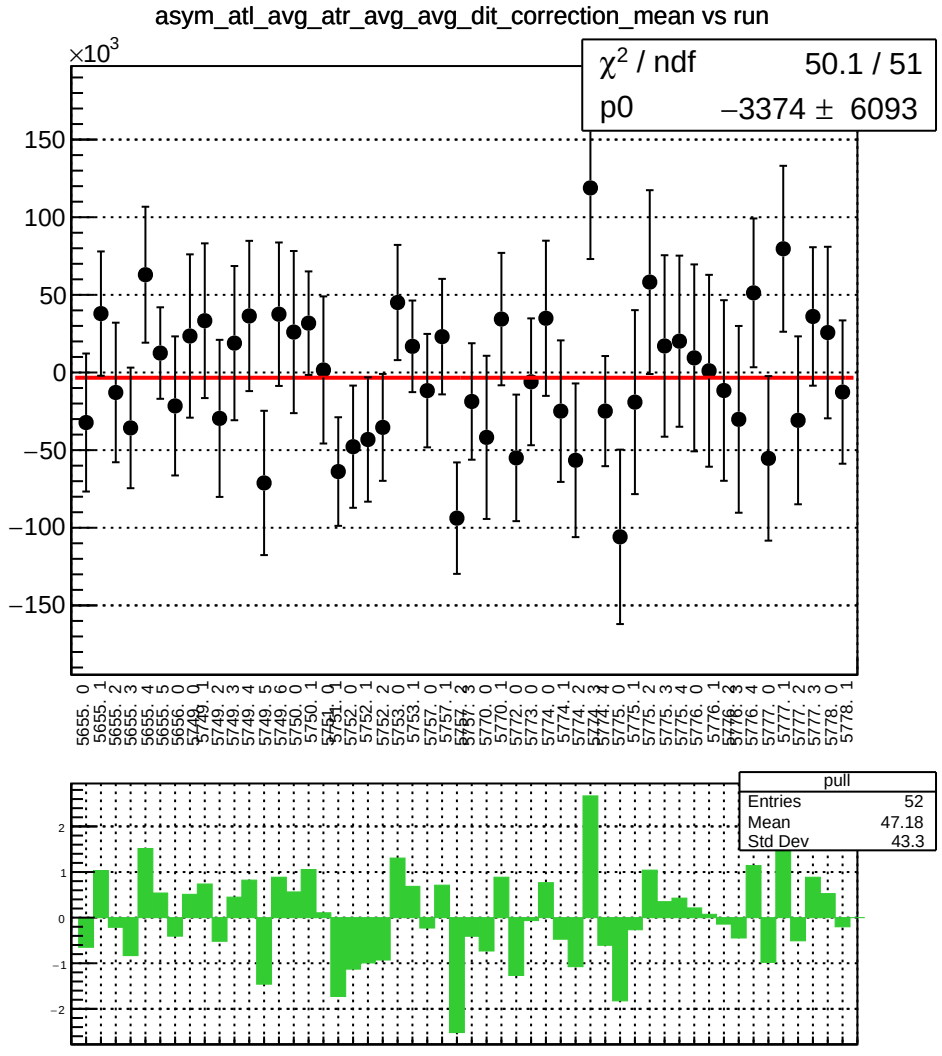
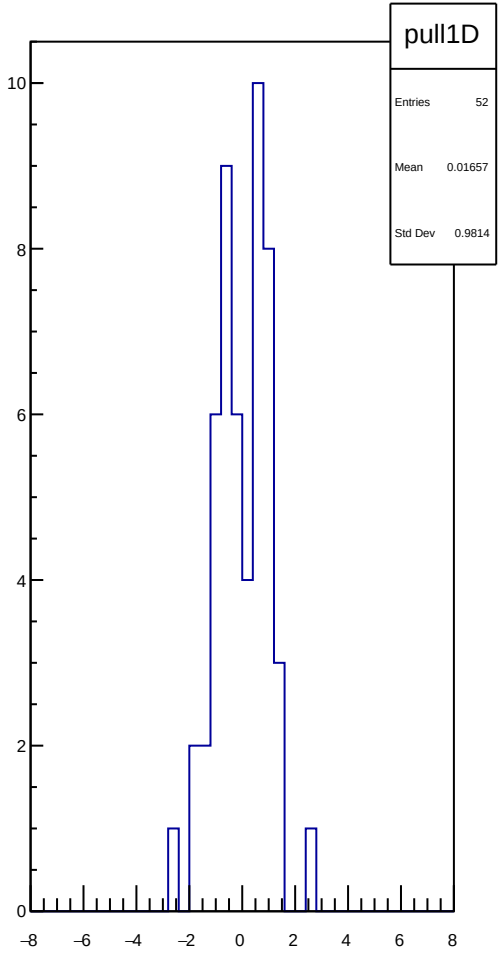
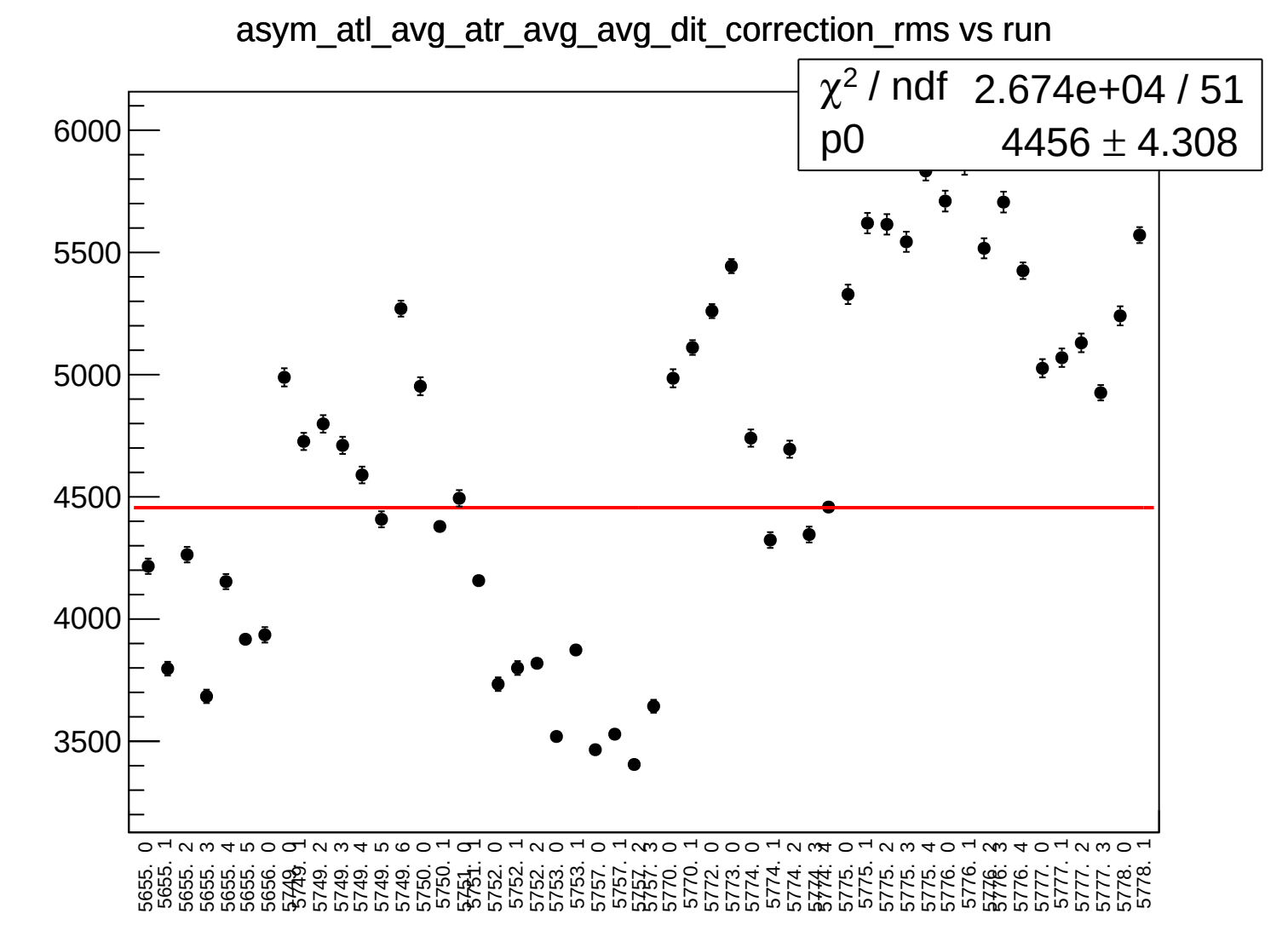
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl_avg_atr_avg_avg_dit_correction_mean vs run
χ² / ndf 50.1 / 51
p0 −3374 ± 6093
pull
Entries 52
Mean 47.18
Std Dev 43.3


pull1D
Entries 52
Mean 0.01657
Std Dev 0.9814


asym_atl_avg_atr_avg_avg_dit_correction_rms vs run
χ² / ndf 2.674e+04 / 51
p0 4456 ± 4.308
6000
5500
5000
4500
4000
3500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
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5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
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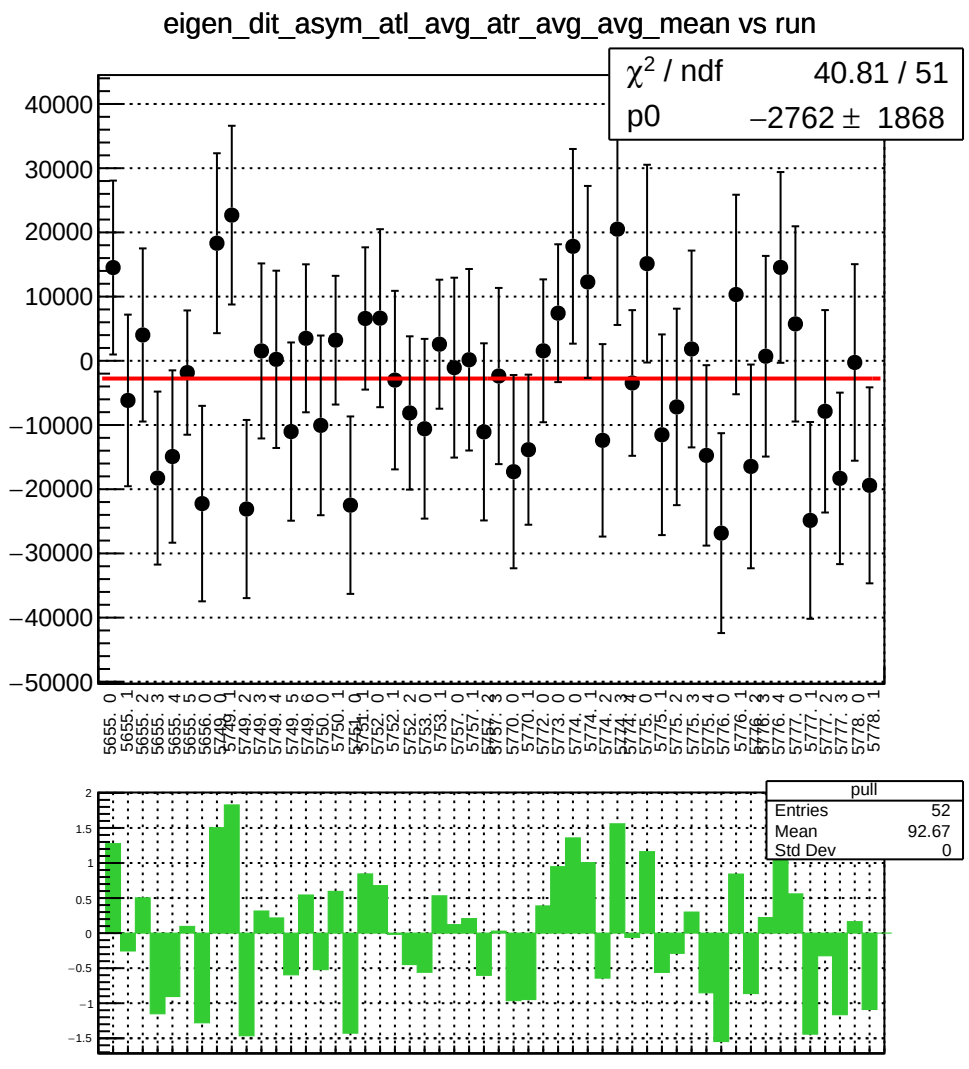
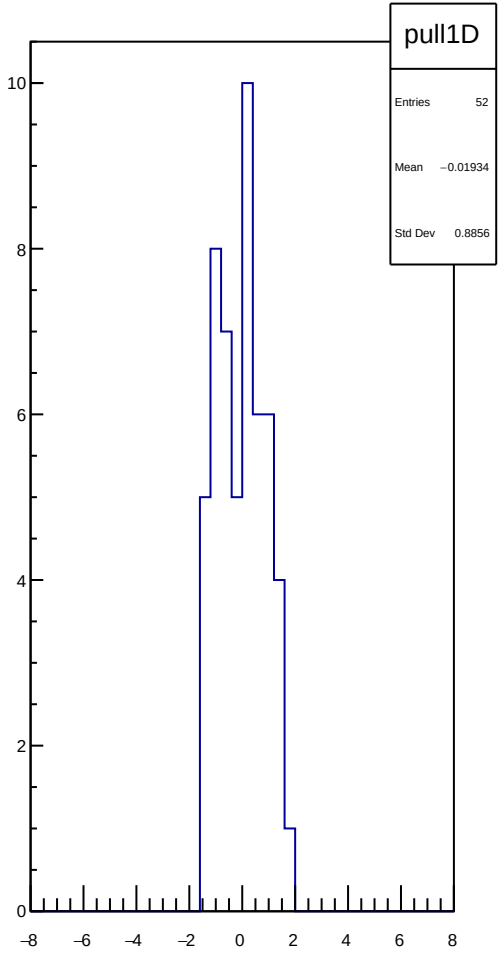
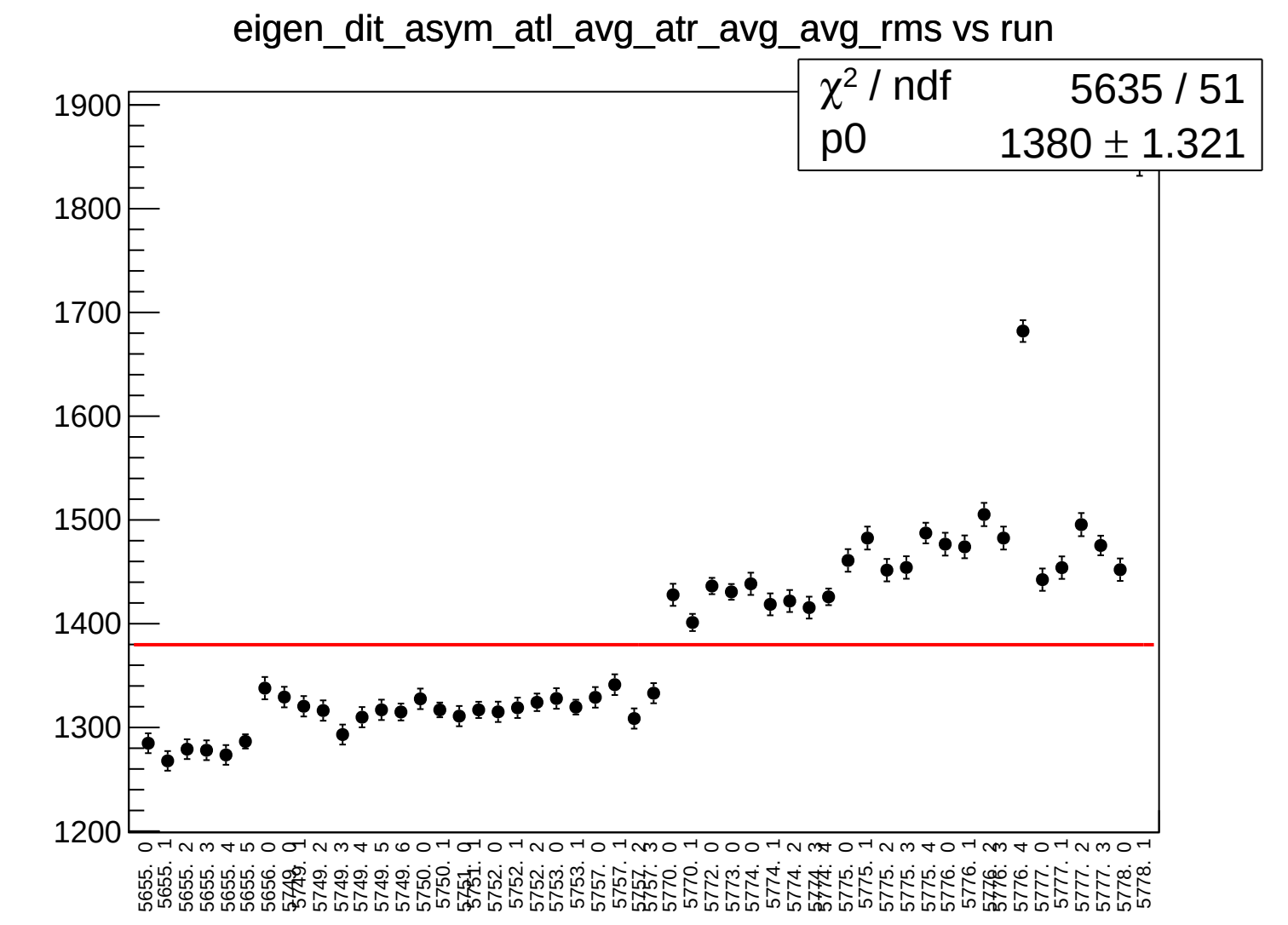
5778. 1


eigen_dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 40.81 / 51
p0 −2762 ± 1868
pull
Entries 52
Mean 92.67
Std Dev 0


pull1D
Entries 52
Mean −0.01934
Std Dev 0.8856


eigen_dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 5635 / 51
p0 1380 ± 1.321
1900
1800
1700
1600
1500
1400
1300
1200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
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5774. 1
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5774. 3
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5775. 2
5775. 3
5775. 4
5776. 0
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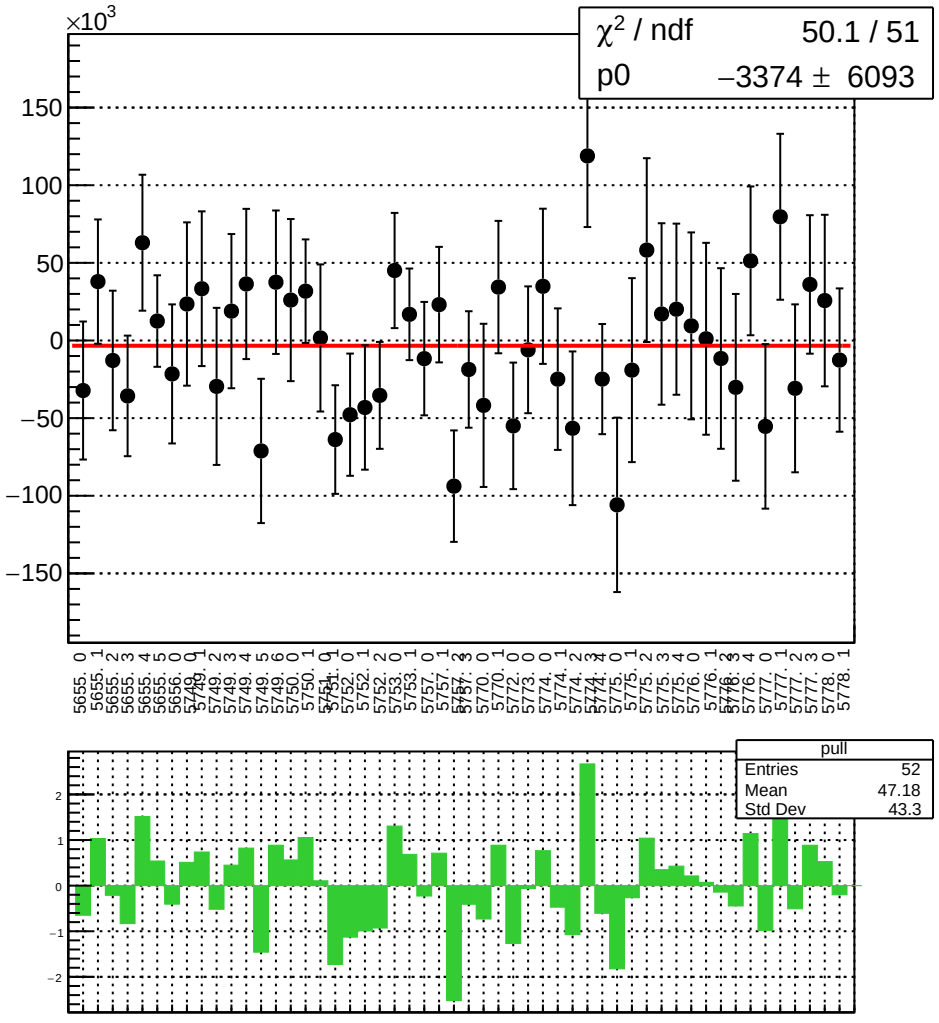
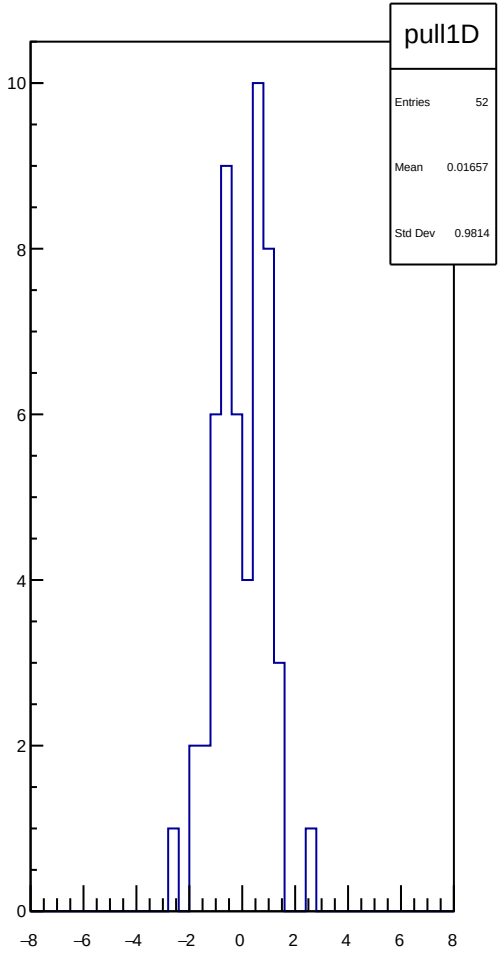
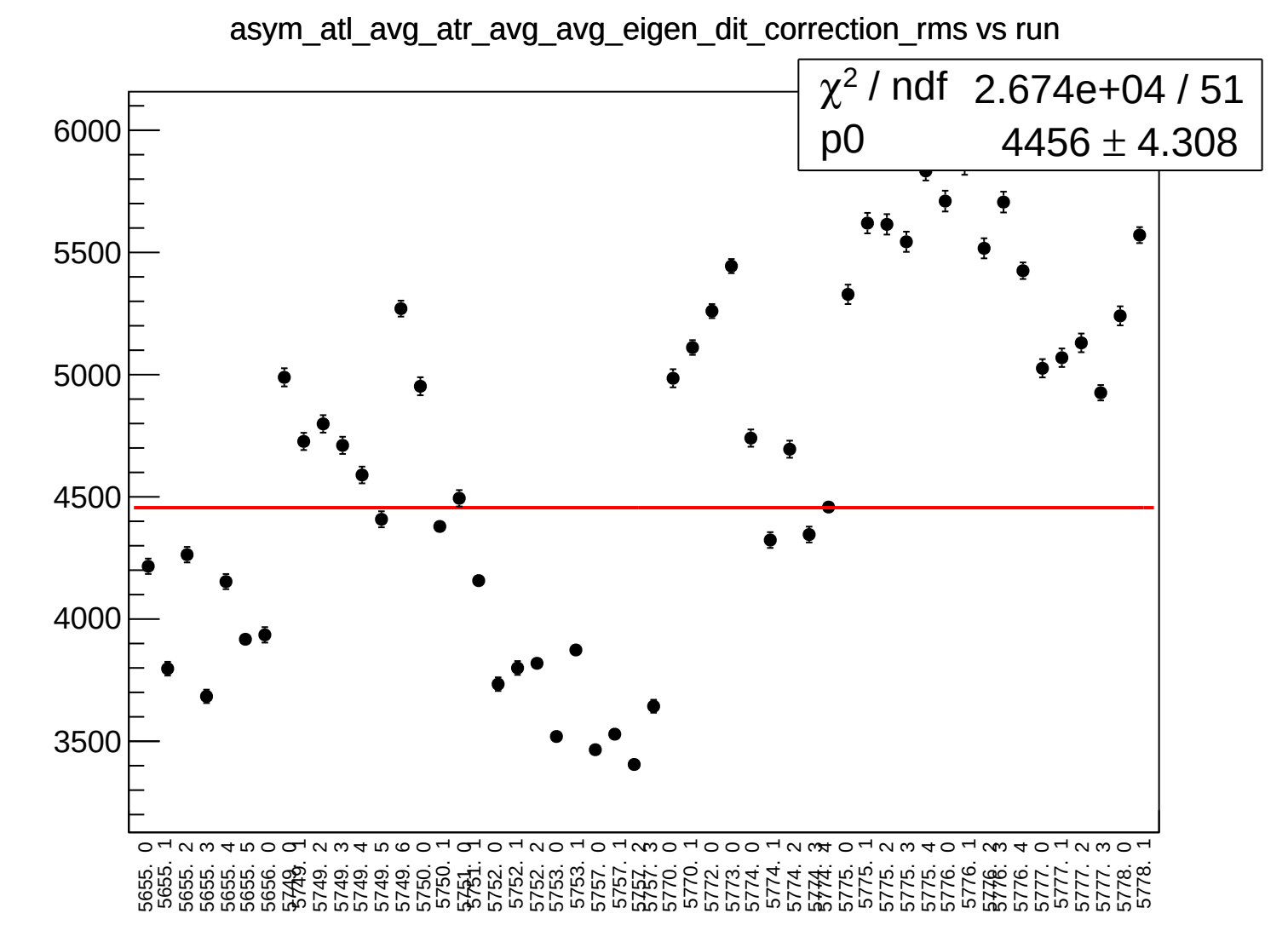
5778. 0
5778. 1


asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 50.1 / 51
p0 −3374 ± 6093
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean 47.18
Std Dev 43.3
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01657
Std Dev 0.9814
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 2.674e+04 / 51
p0 4456 ± 4.308
6000
5500
5000
4500
4000
3500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
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5750. 0
5750. 1
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5752. 0
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5753. 0
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5757. 3
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5775. 4
5776. 0
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5777. 2
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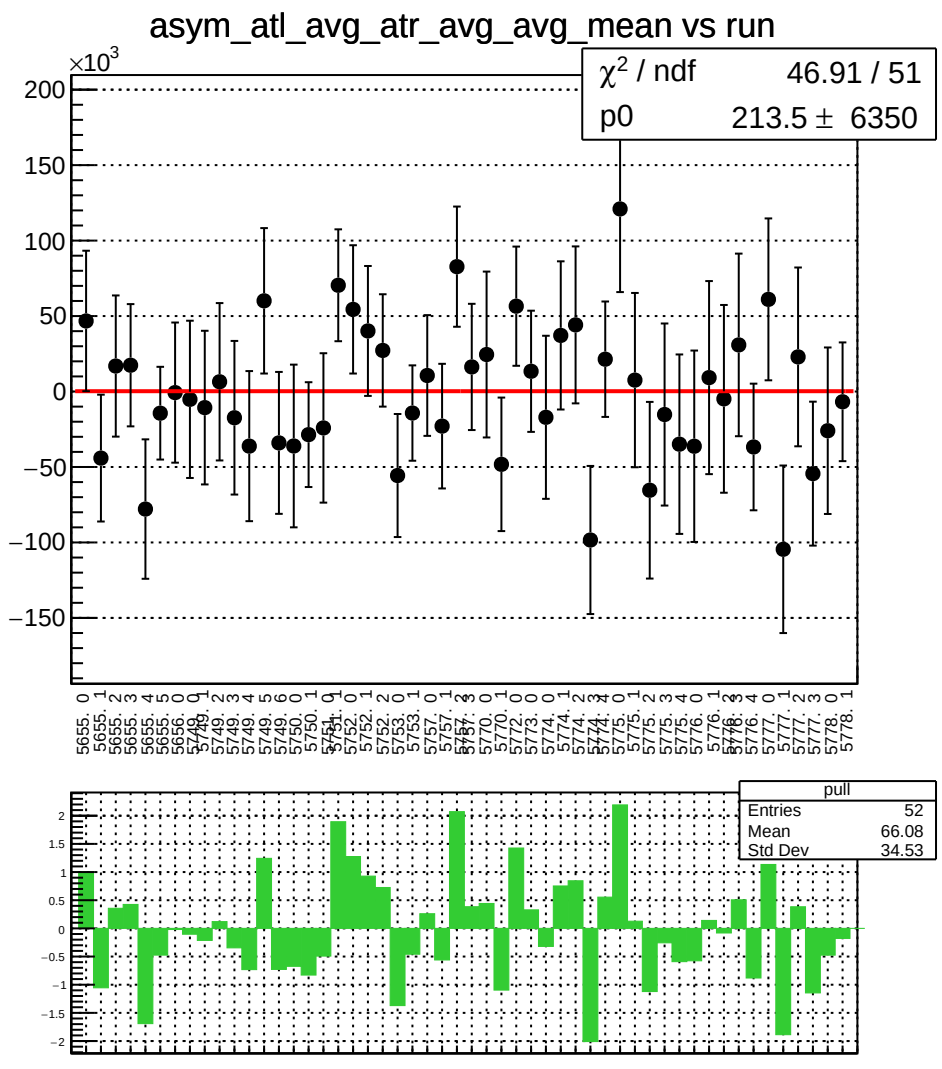
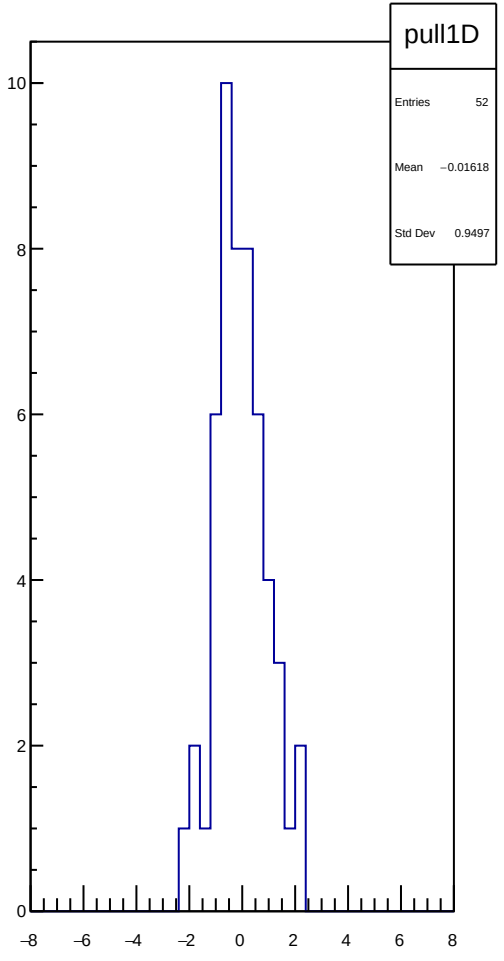
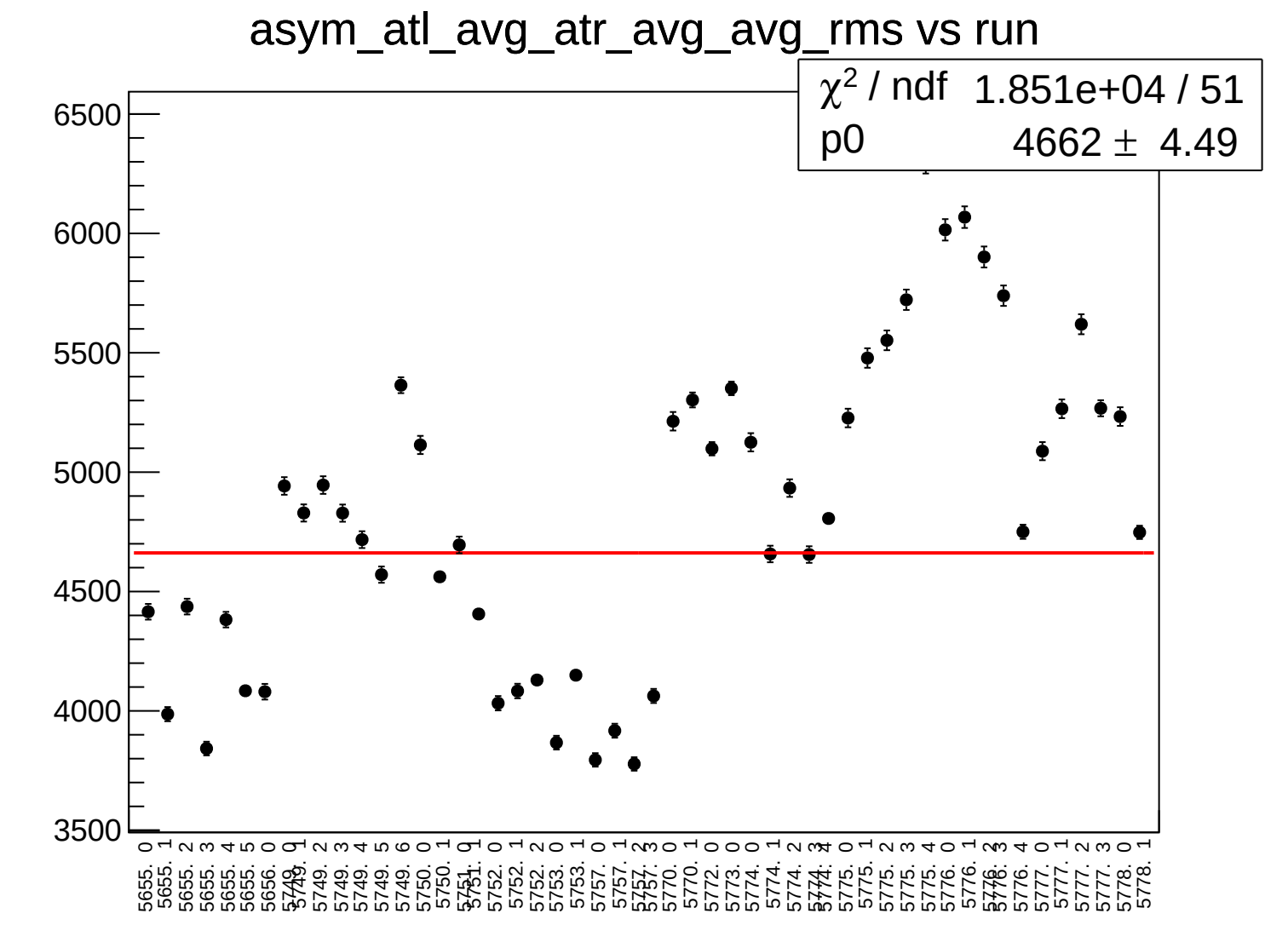
5778. 1


asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ^2 / ndf 46.91 / 51
p0 213.5 ± 6350
pull
Entries 52
Mean 66.08
Std Dev 34.53


pull1D
Entries 52
Mean −0.01618
Std Dev 0.9497


asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1.851e+04 / 51
p0 4662 ± 4.49
6500
6000
5500
5000
4500
4000
3500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
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5774. 2
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5775. 1
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5775. 3
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5777. 2
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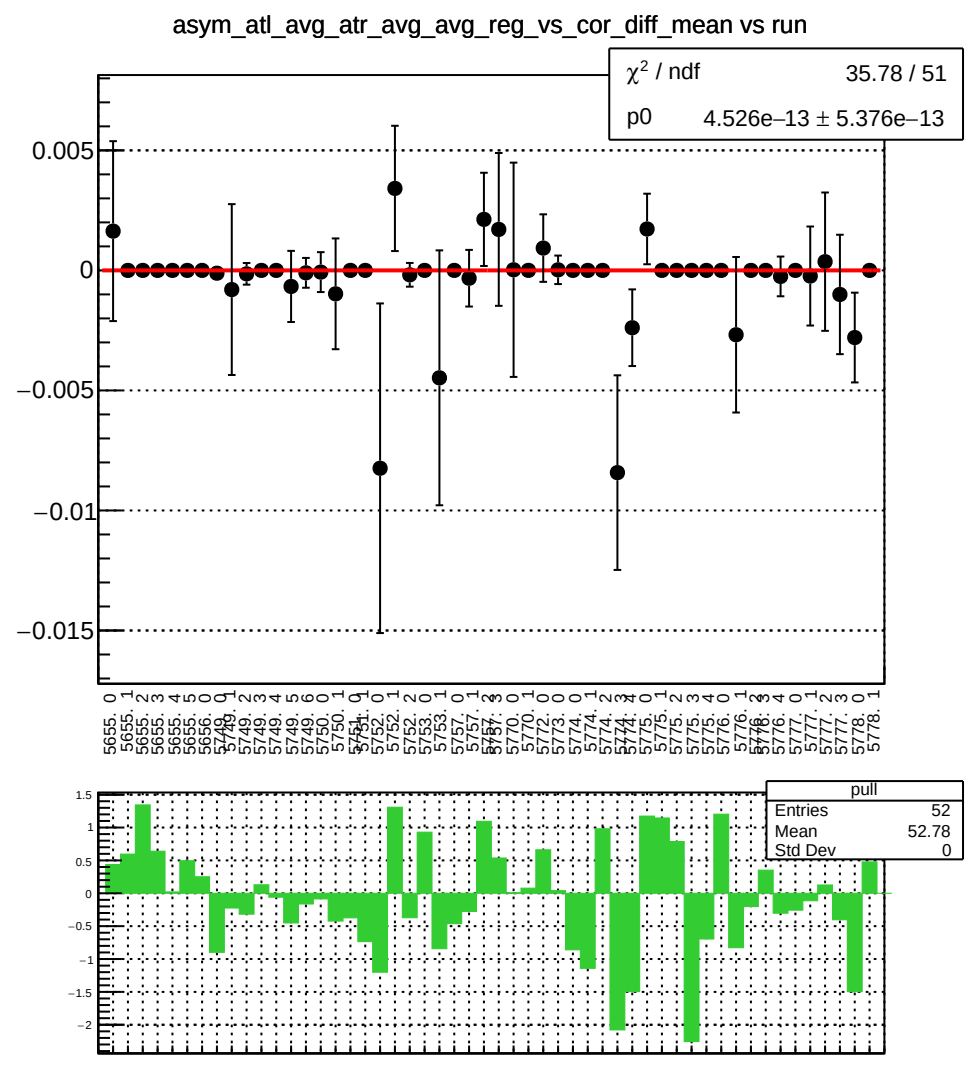
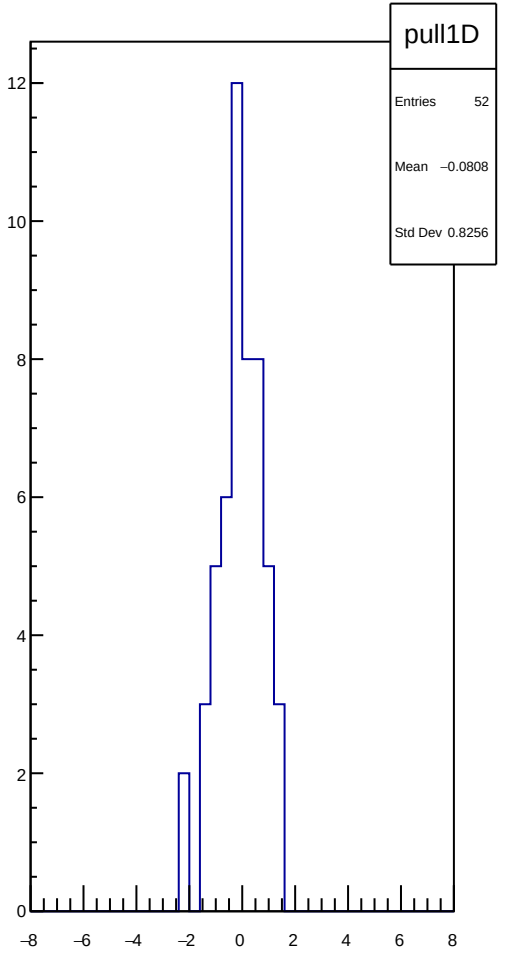
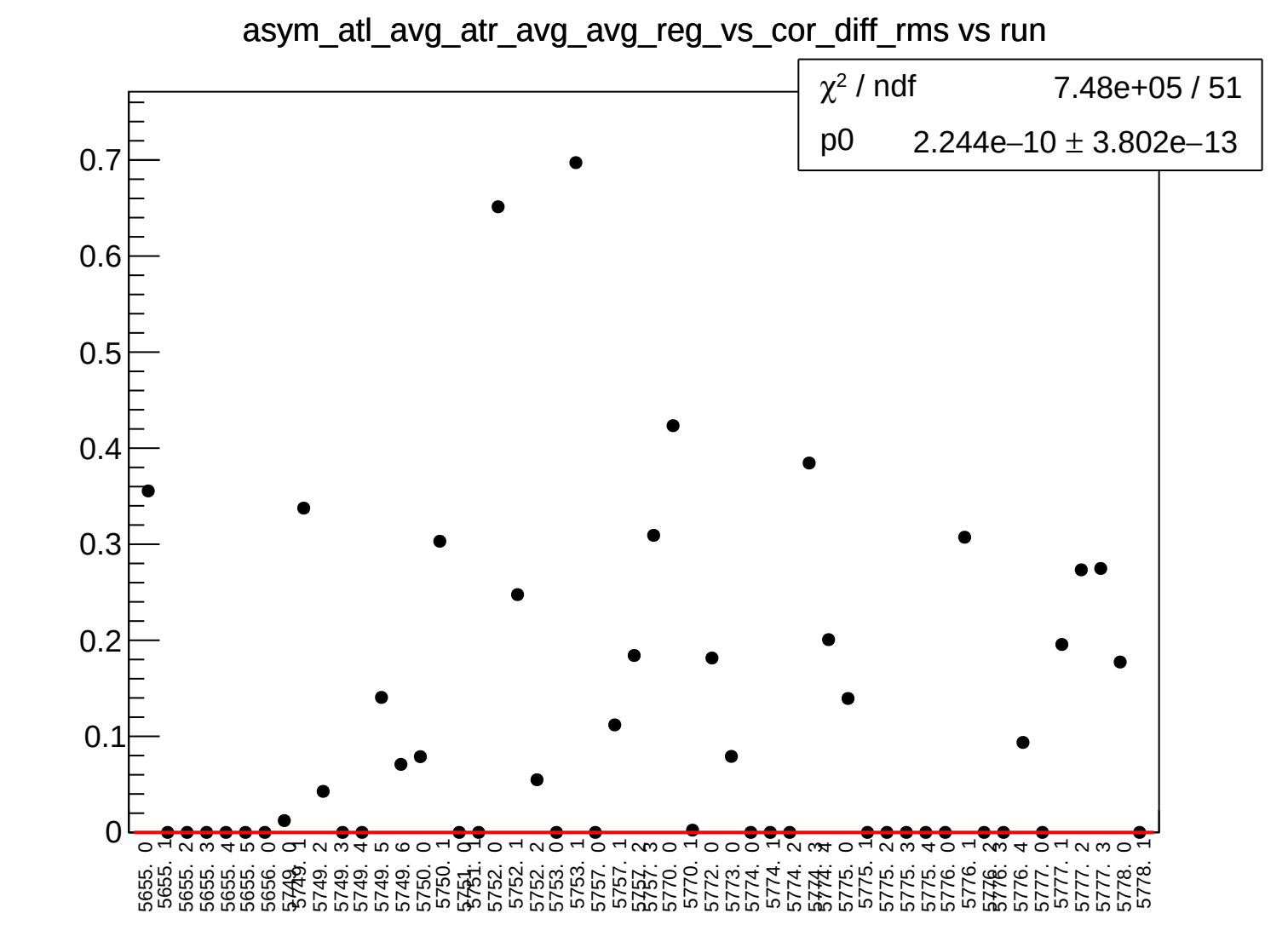
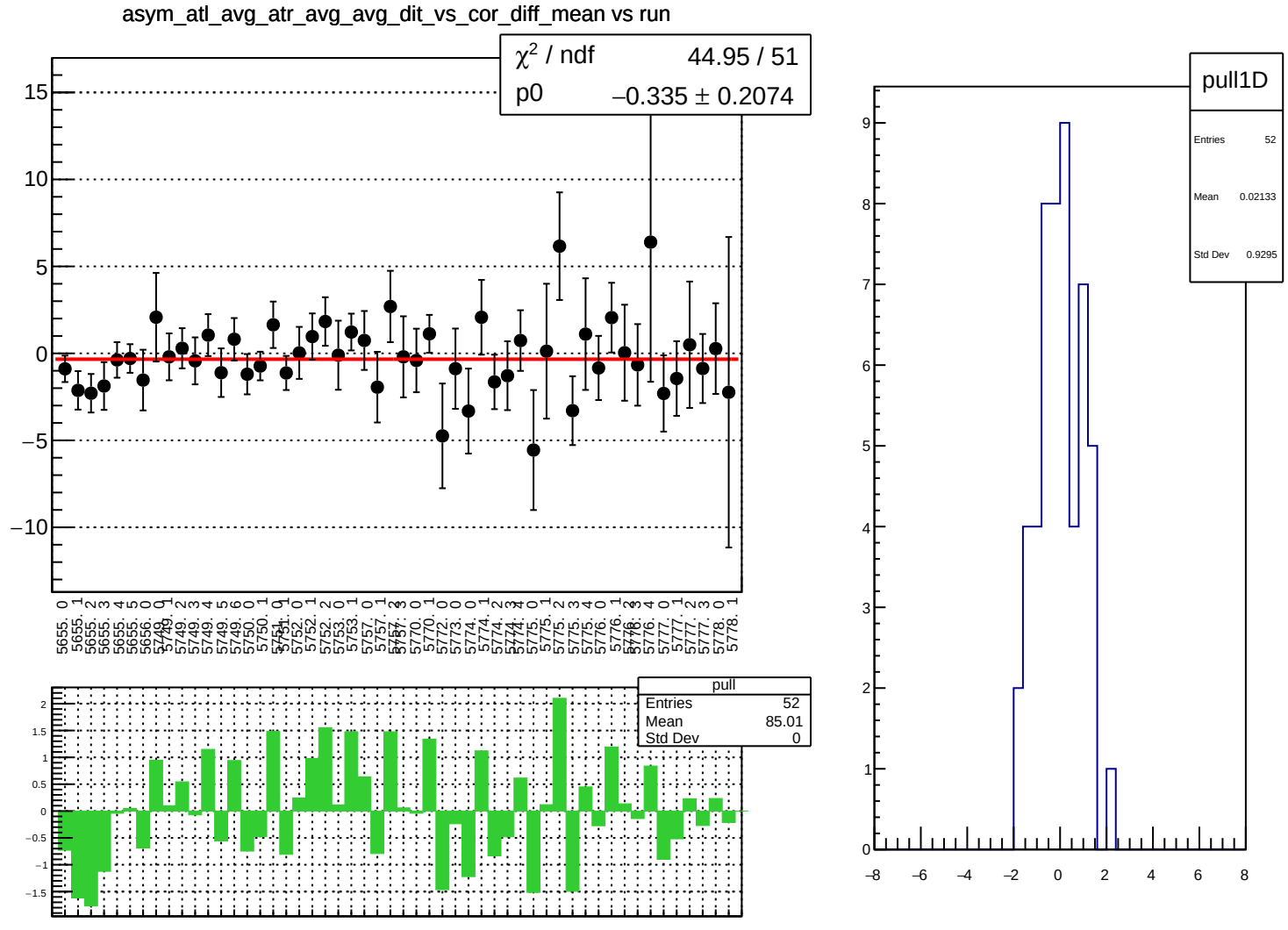
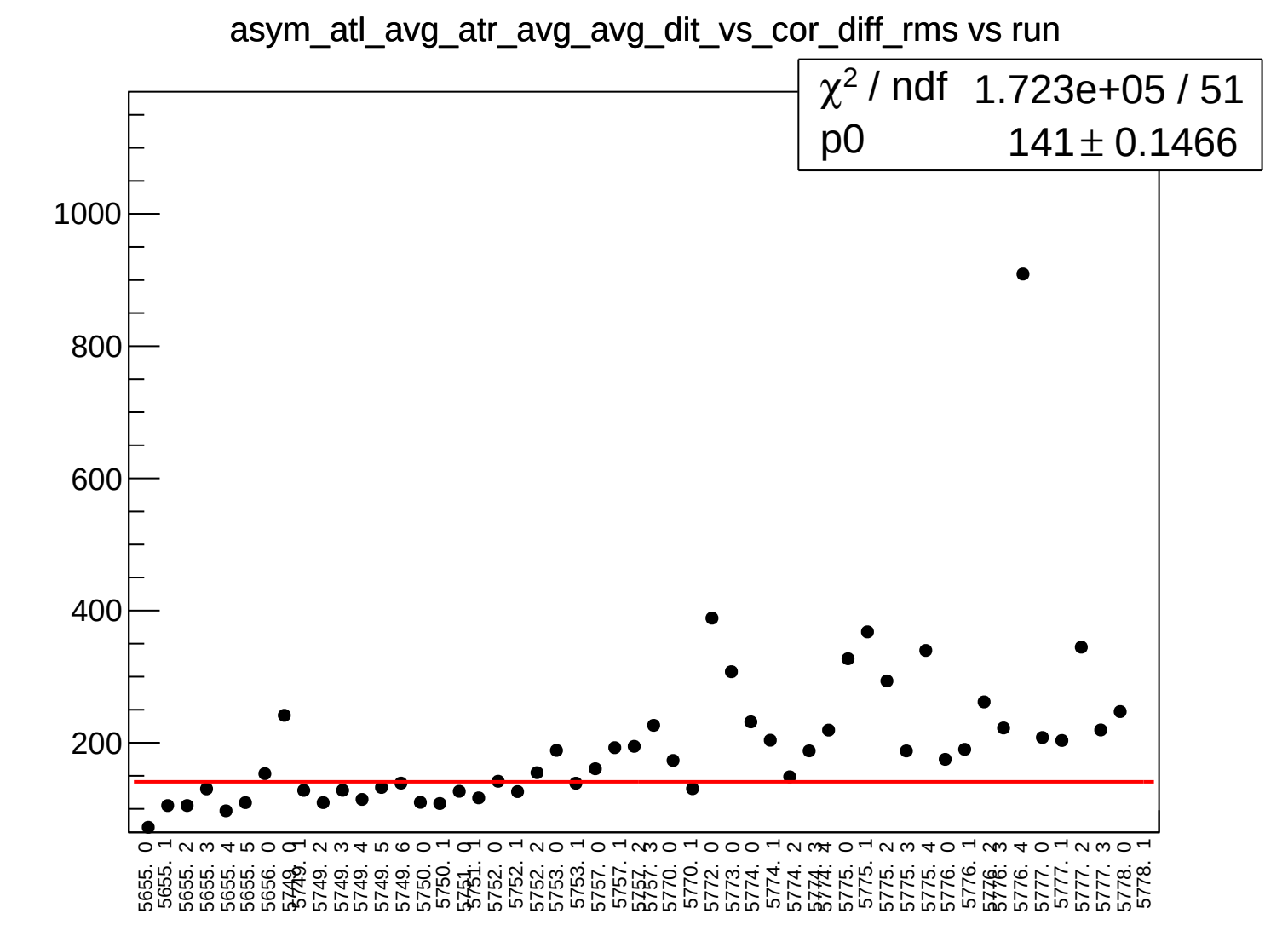
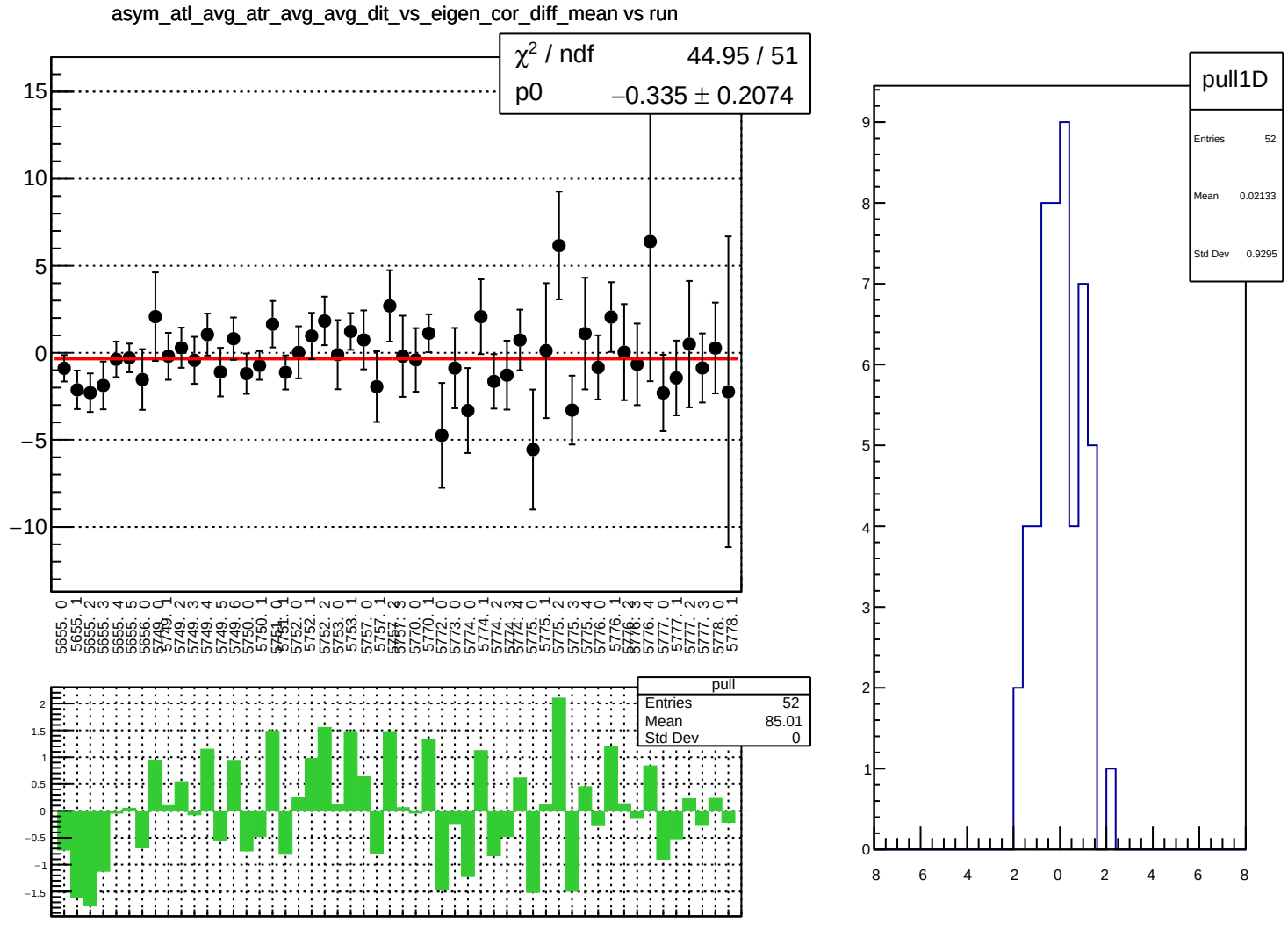

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 35.78 / 51
p0 4.526e−13 ± 5.376e−13
0.005
0
−0.005
−0.01
−0.015
pull
Entries 52
Mean 52.78
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

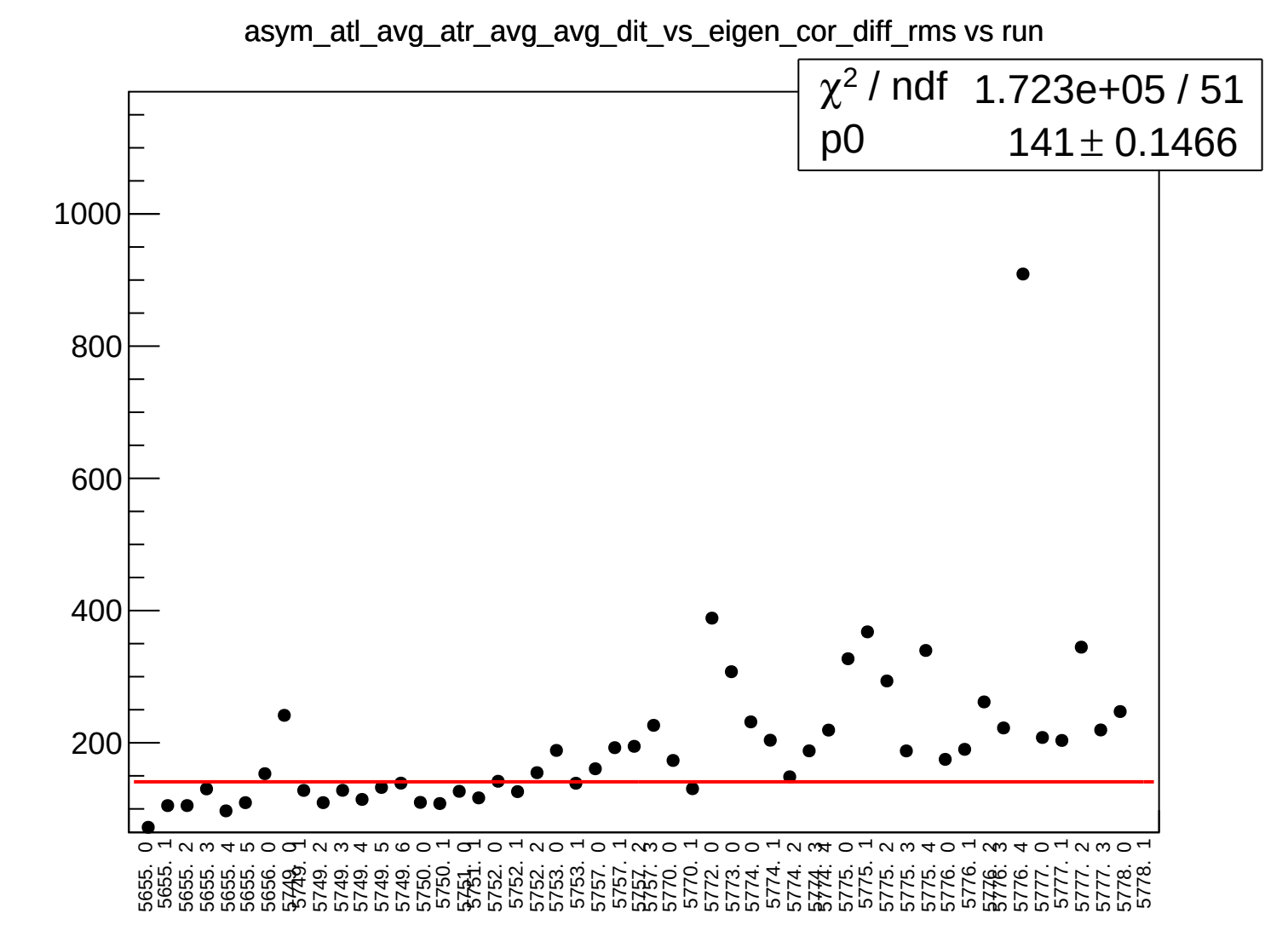

pull1D
Entries 52
Mean −0.0808
Std Dev 0.8256
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

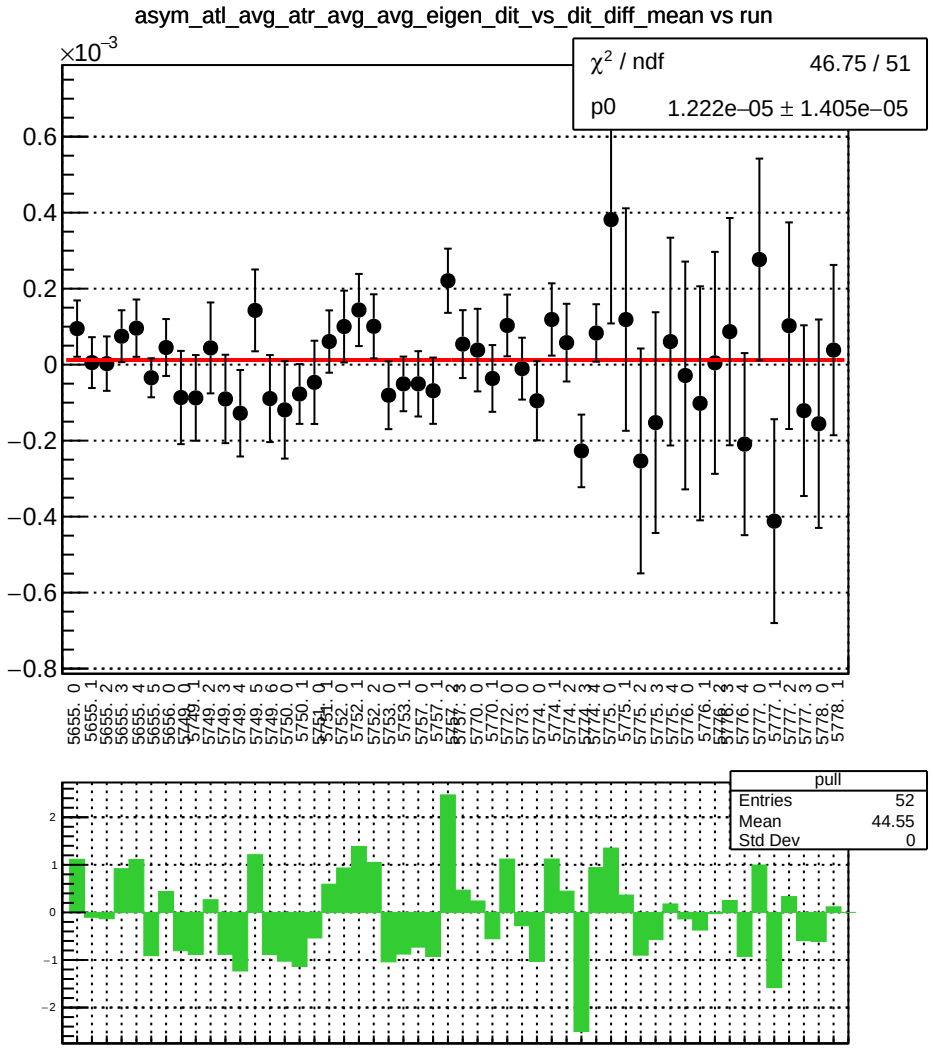

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.48e+05 / 51
p0 2.244e−10 ± 3.802e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

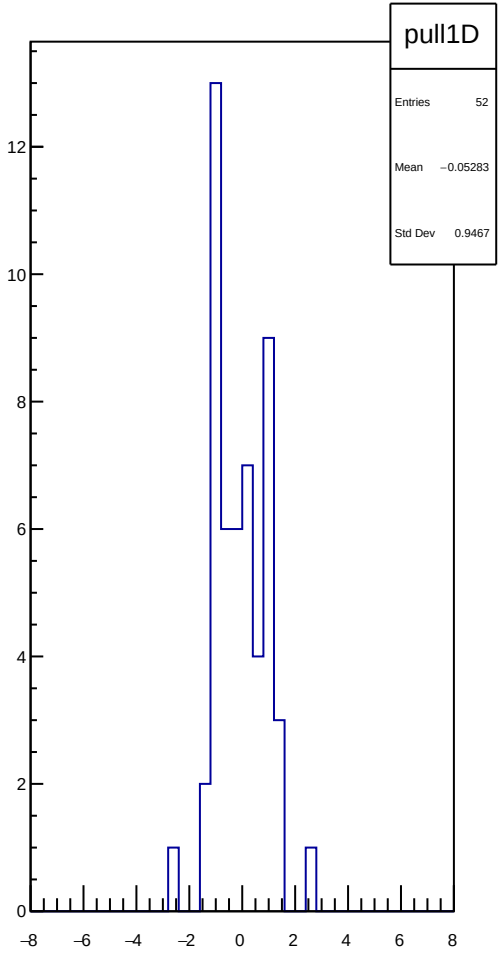

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 44.95 / 51
p0 −0.335 ± 0.2074
pull
Entries 52
Mean 85.01
Std Dev 0
pull1D
Entries 52
Mean 0.02133
Std Dev 0.9295

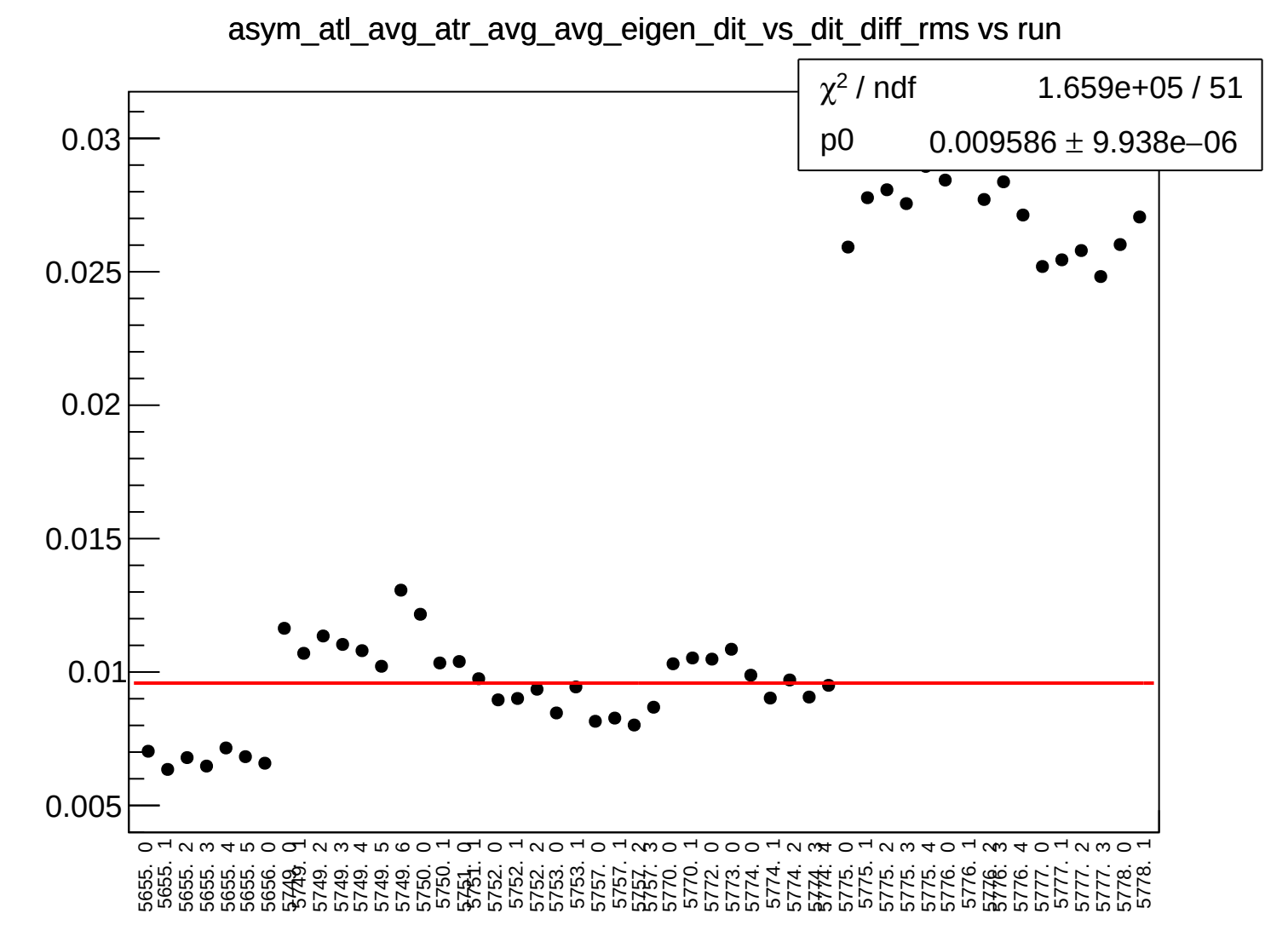

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.723e+05 / 51
p0 141 ± 0.1466
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

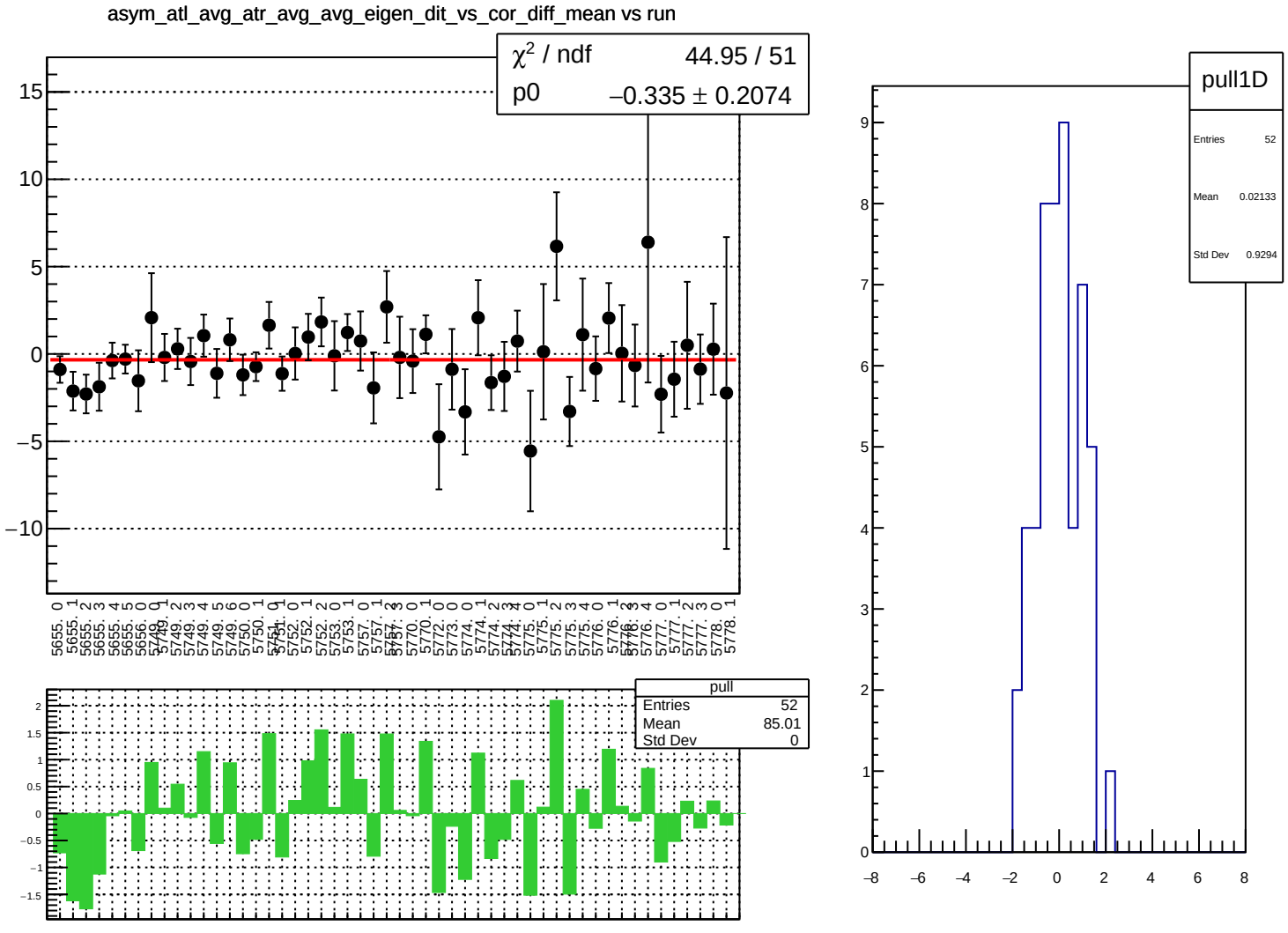

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.95 / 51
p0 −0.335 ± 0.2074
pull
Entries 52
Mean 85.01
Std Dev 0
pull1D
Entries 52
Mean 0.02133
Std Dev 0.9295

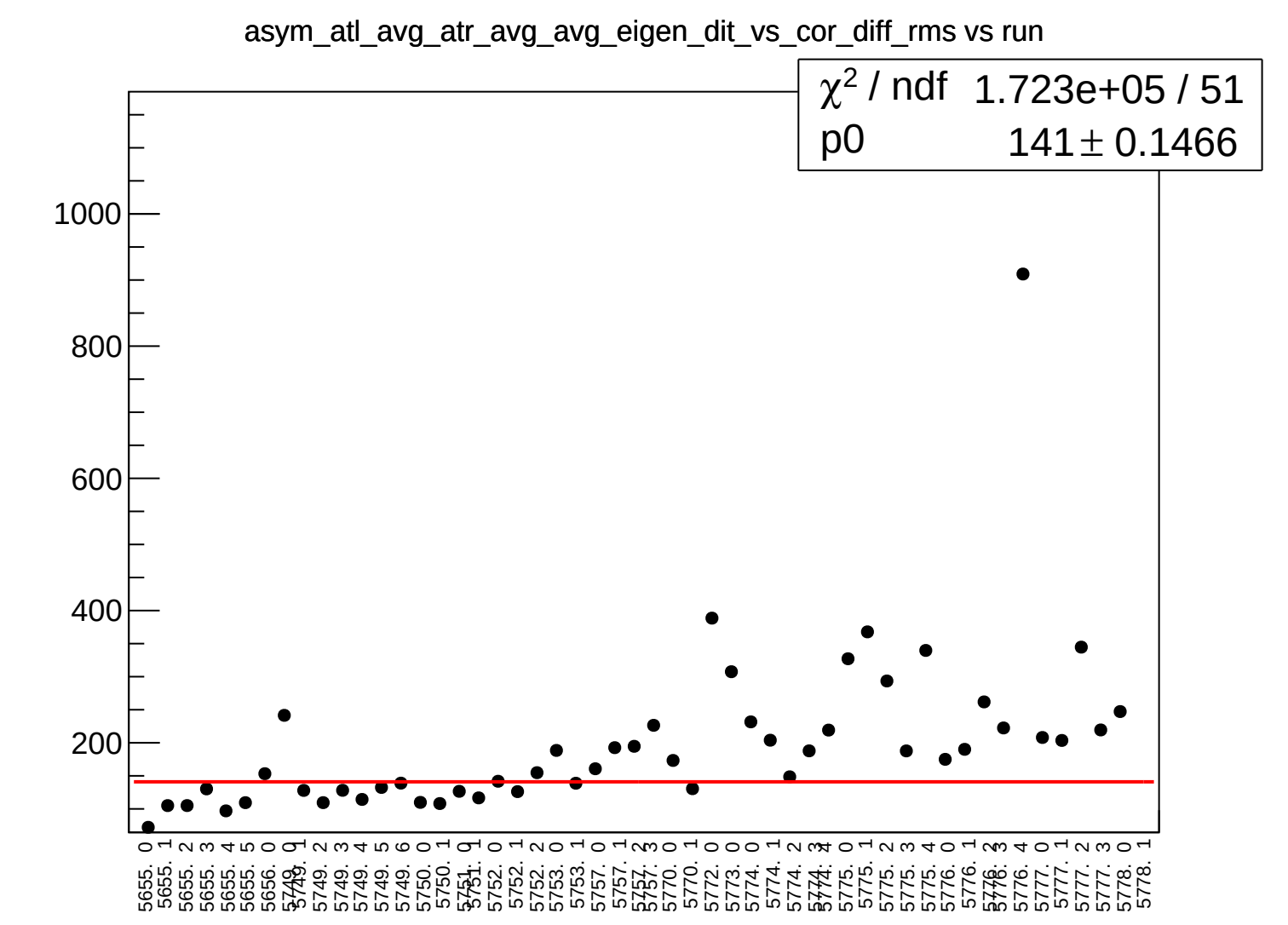

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.723e+05 / 51
p0 141 ± 0.1466
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

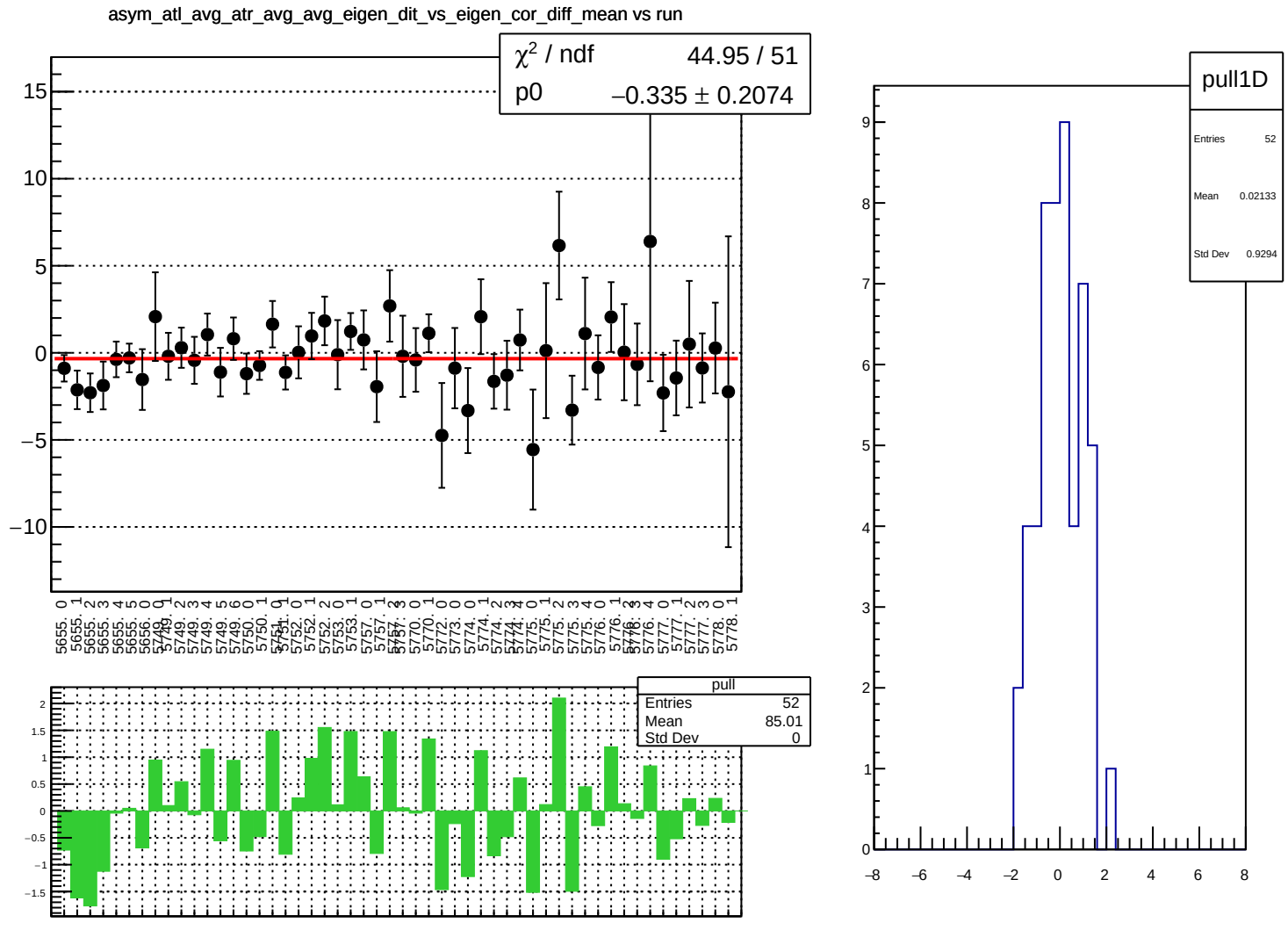

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 46.75 / 51
p0 1.222e−05 ± 1.405e−05
pull
Entries 52
Mean 44.55
Std Dev 0

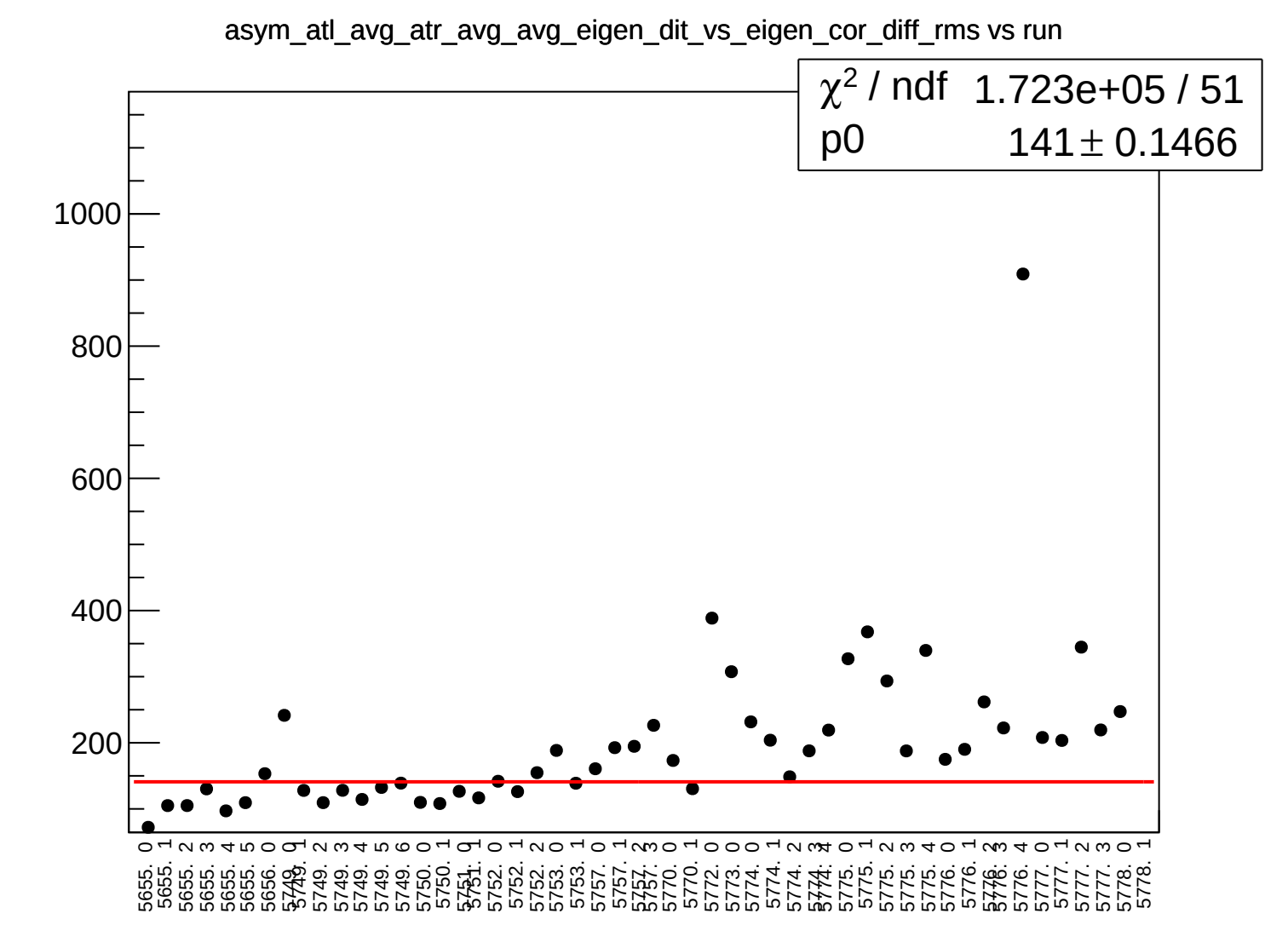

pull1D
Entries 52
Mean −0.05283
Std Dev 0.9467

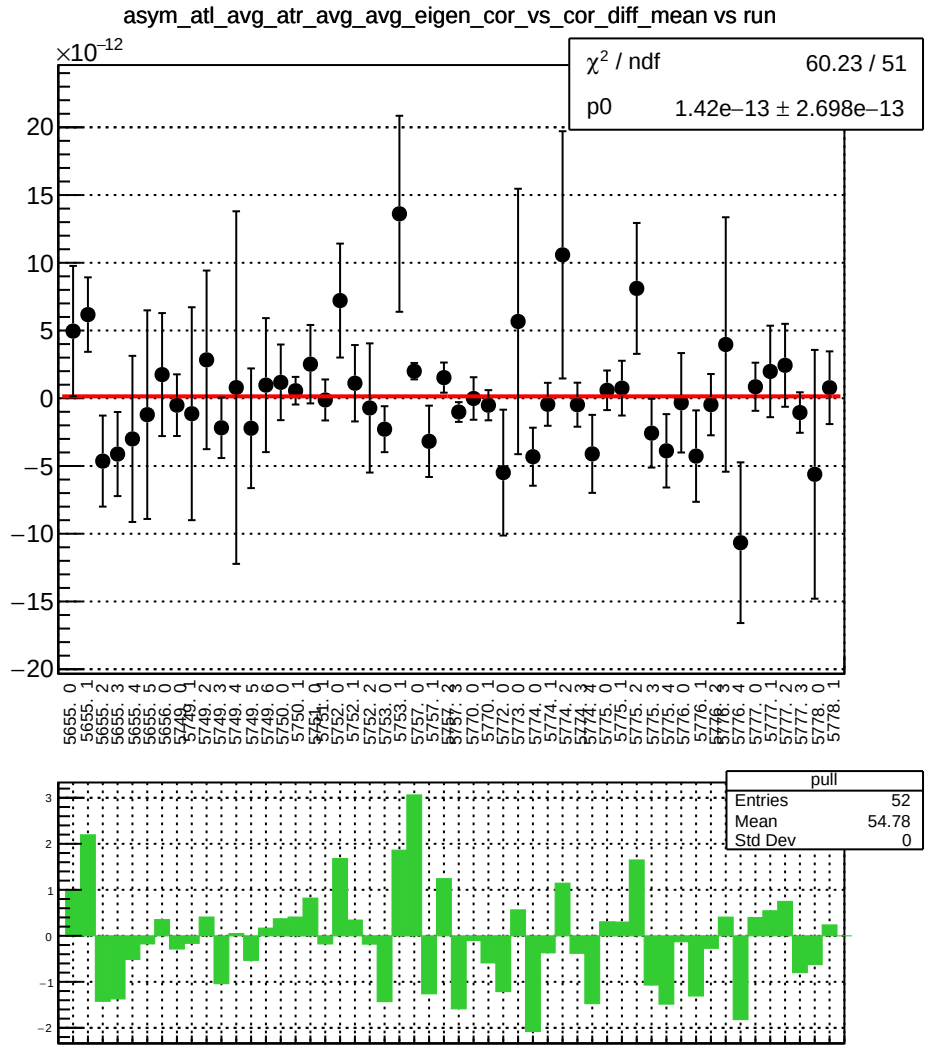

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.659e+05 / 51
p0 0.009586 ± 9.938e−06
0.03
0.025
0.02
0.015
0.01
0.005
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

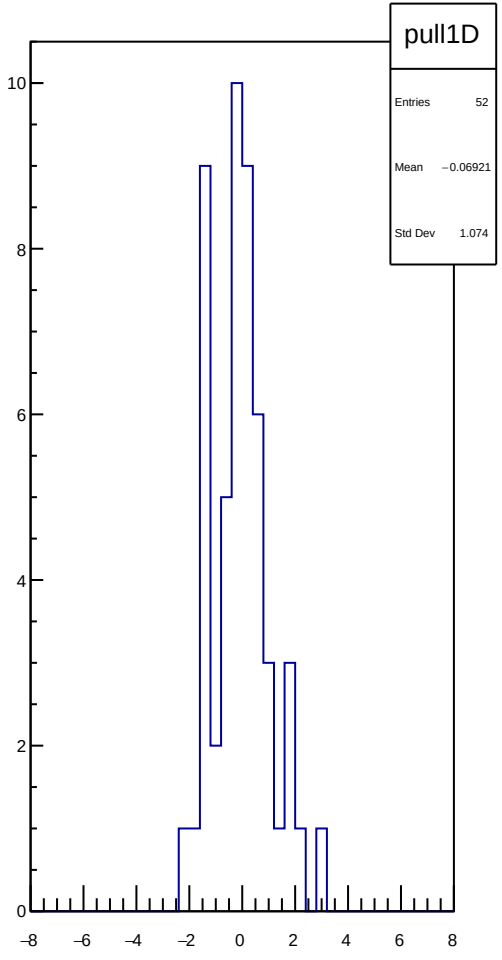

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 44.95 / 51
p0 −0.335 ± 0.2074
pull
Entries 52
Mean 85.01
Std Dev 0
pull1D
Entries 52
Mean 0.02133
Std Dev 0.9294

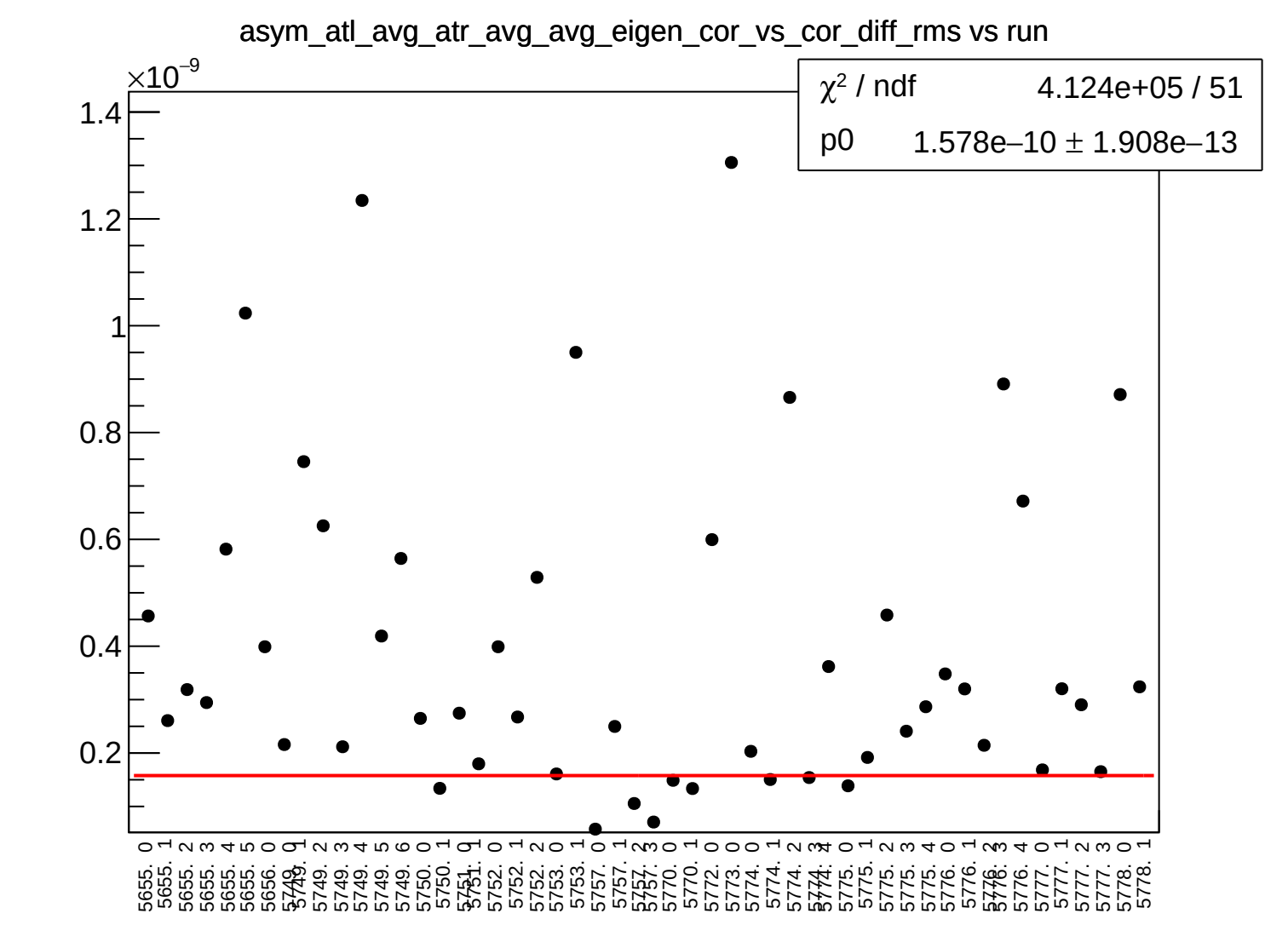

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.723e+05 / 51
p0 141 ± 0.1466
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

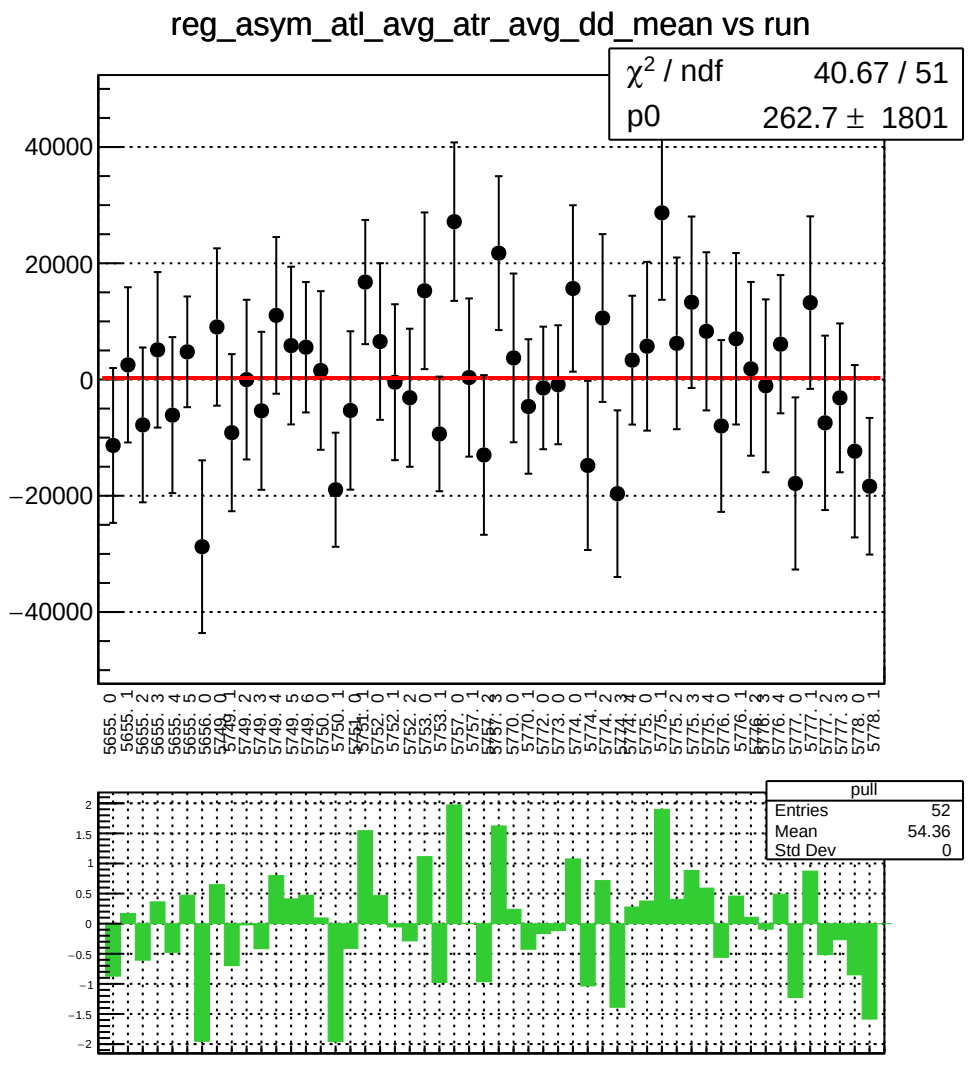

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.95 / 51
p0 −0.335 ± 0.2074
pull
Entries 52
Mean 85.01
Std Dev 0
pull1D
Entries 52
Mean 0.02133
Std Dev 0.9294

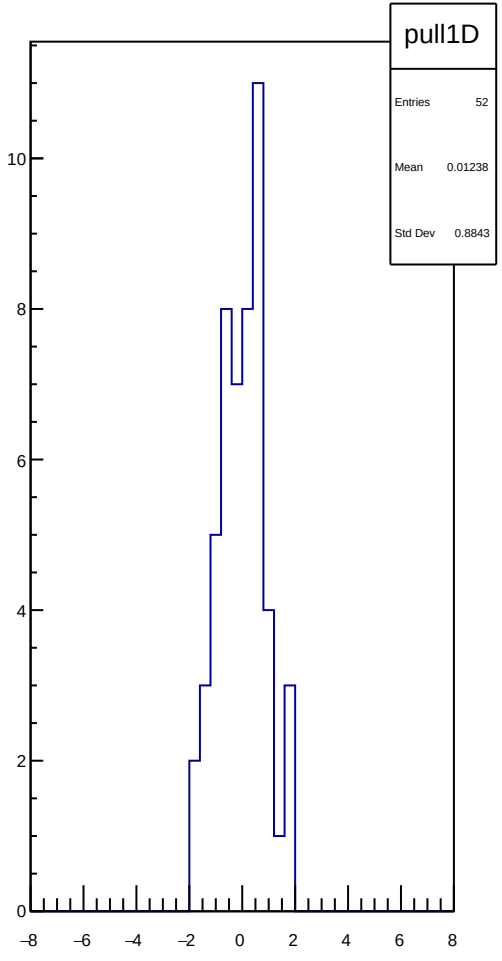

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.723e+05 / 51
p0 141 ± 0.1466
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

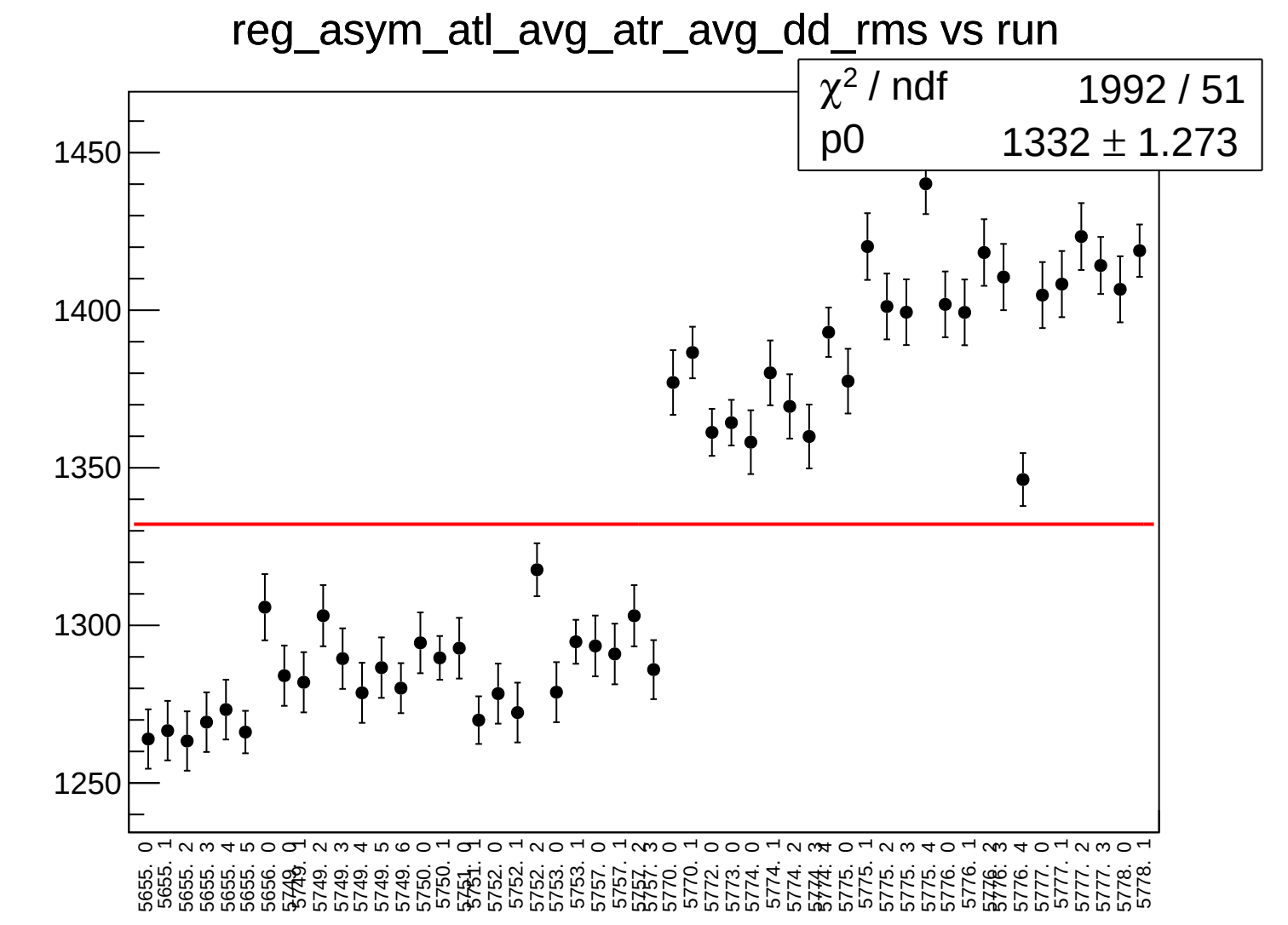

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 60.23 / 51
p0 1.42e−13 ± 2.698e−13
pull
Entries 52
Mean 54.78
Std Dev 0

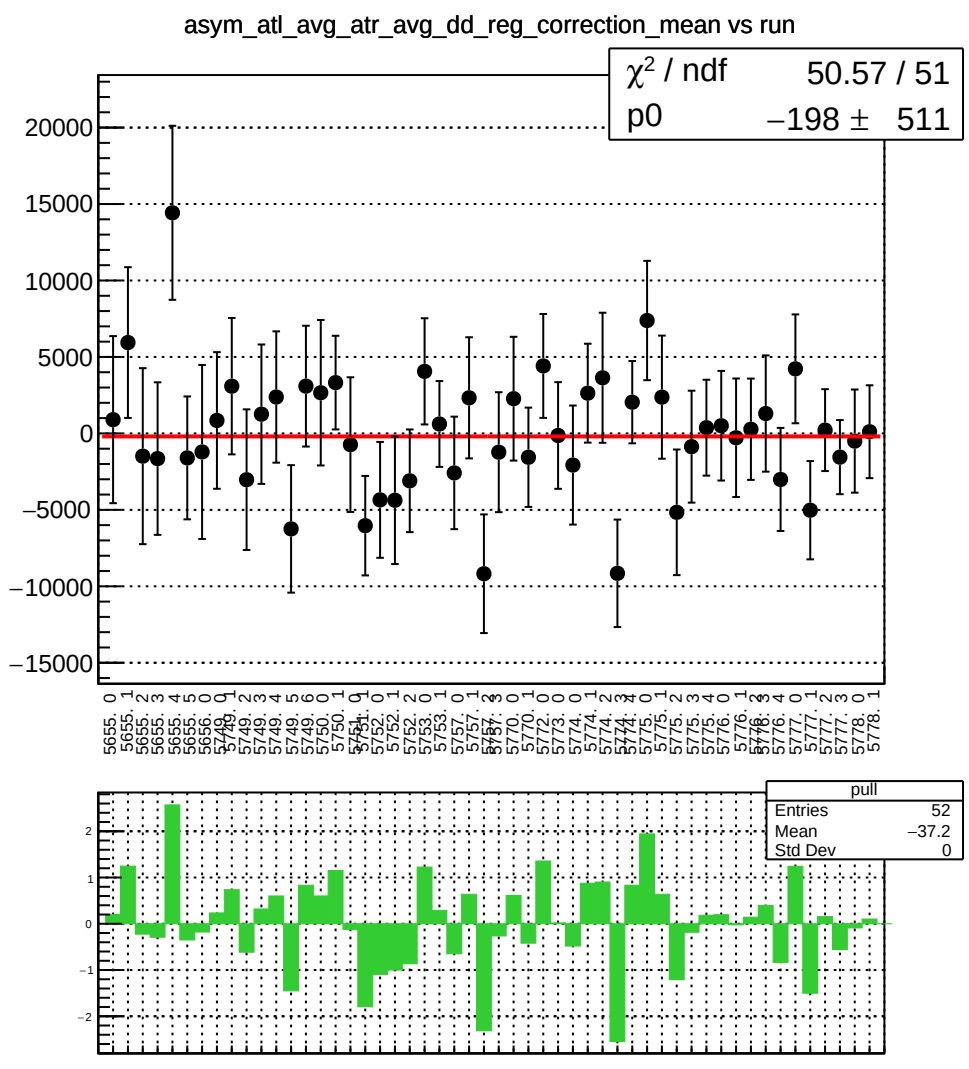

pull1D
Entries 52
Mean −0.06921
Std Dev 1.074

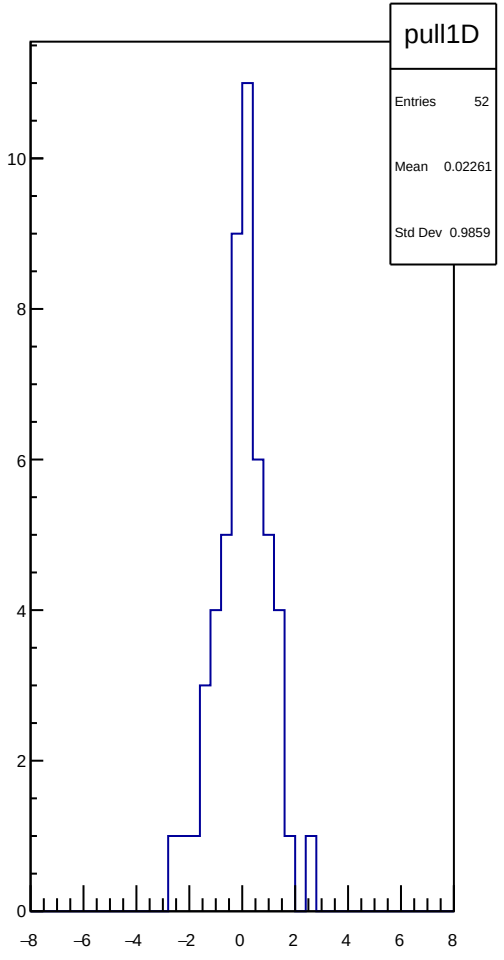

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.124e+05 / 51
p0 1.578e−10 ± 1.908e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

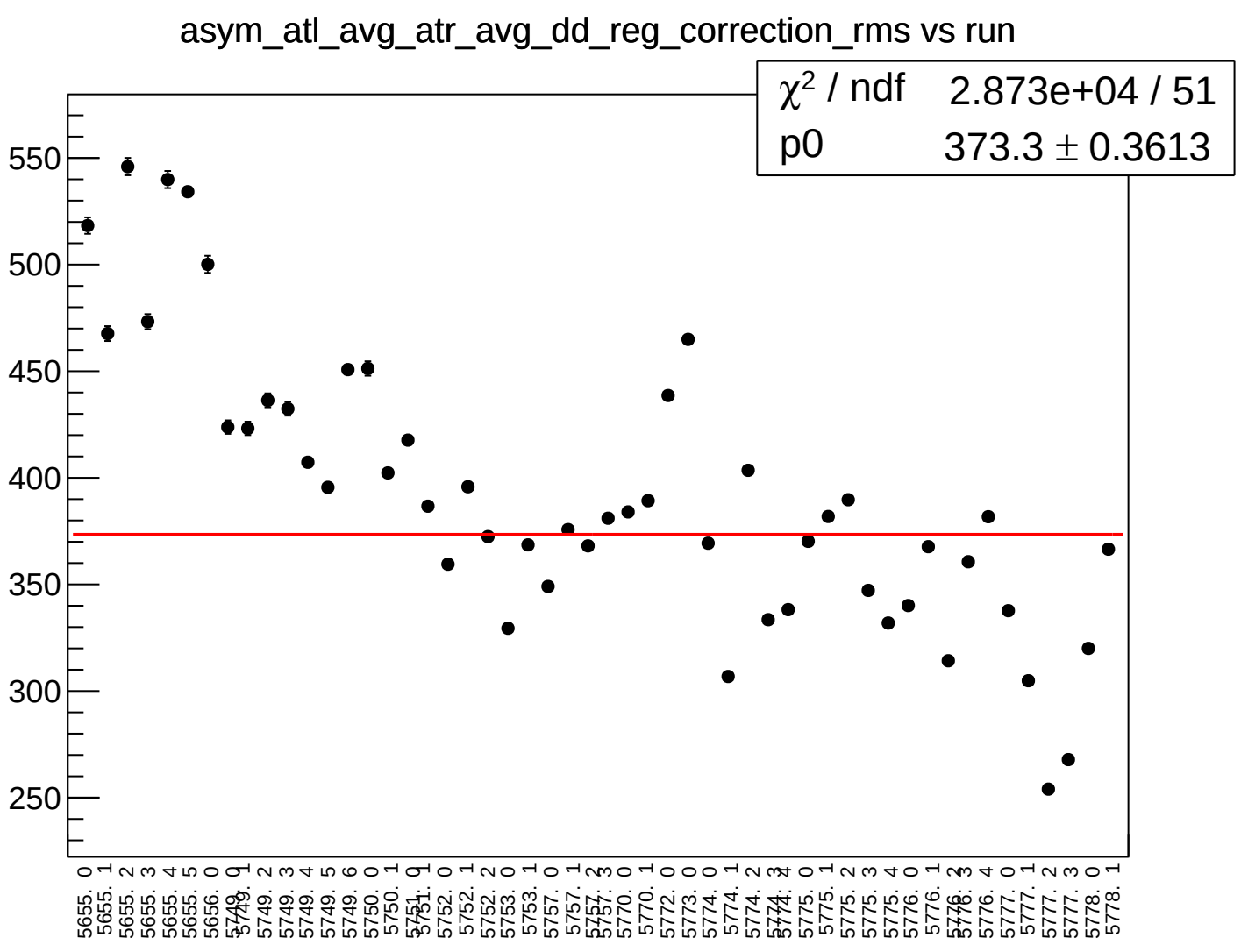

reg_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 40.67 / 51
p0 262.7 ± 1801
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 54.36
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

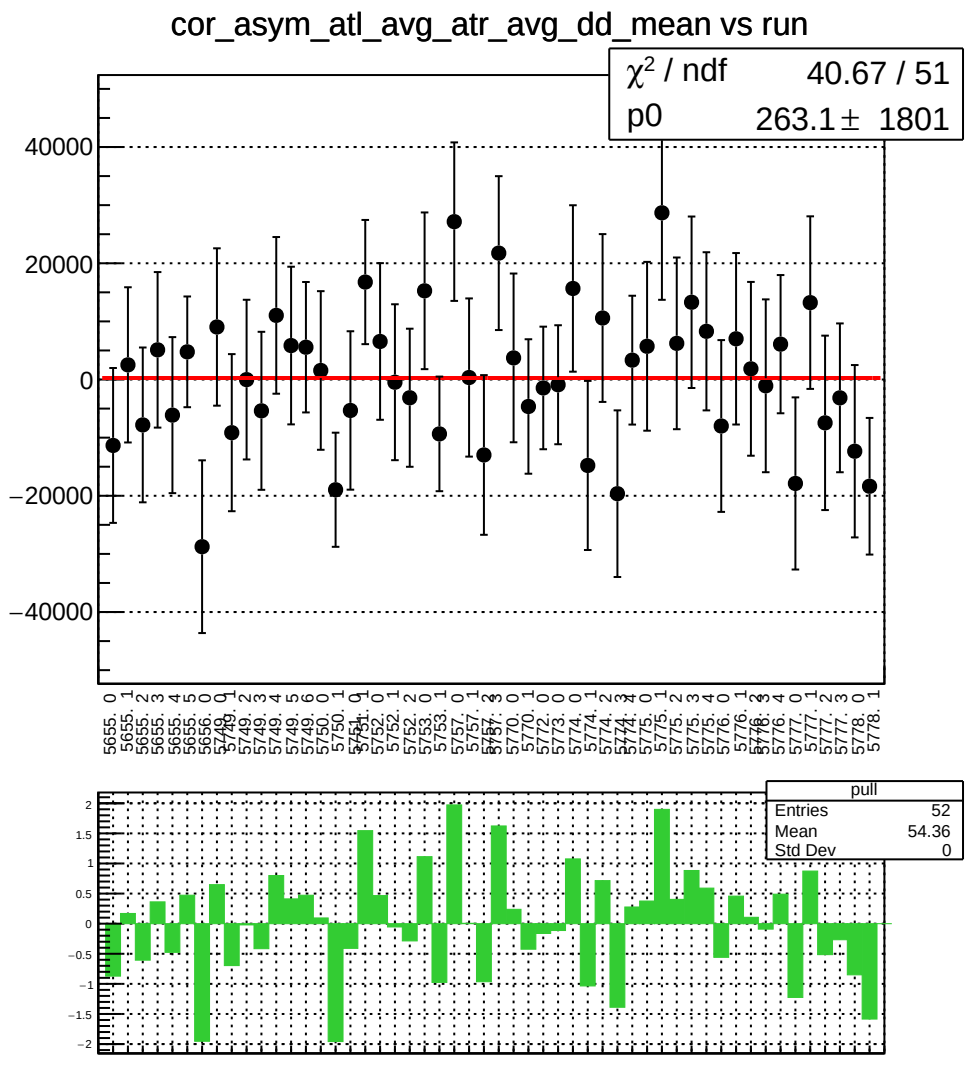

pull1D
Entries 52
Mean 0.01238
Std Dev 0.8843
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

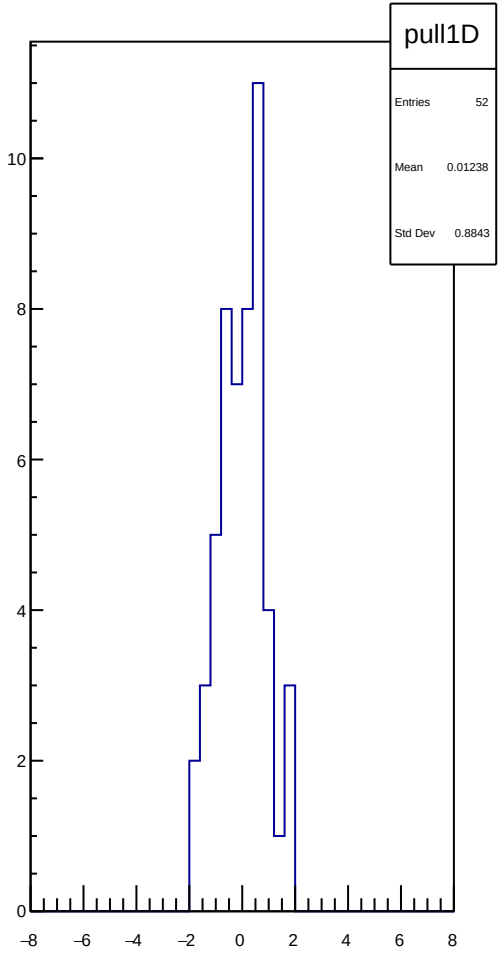

reg_asym_atl_avg_atr_avg_dd_rms vs run
χ^2 / ndf 1992 / 51
p0 1332 ± 1.273
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

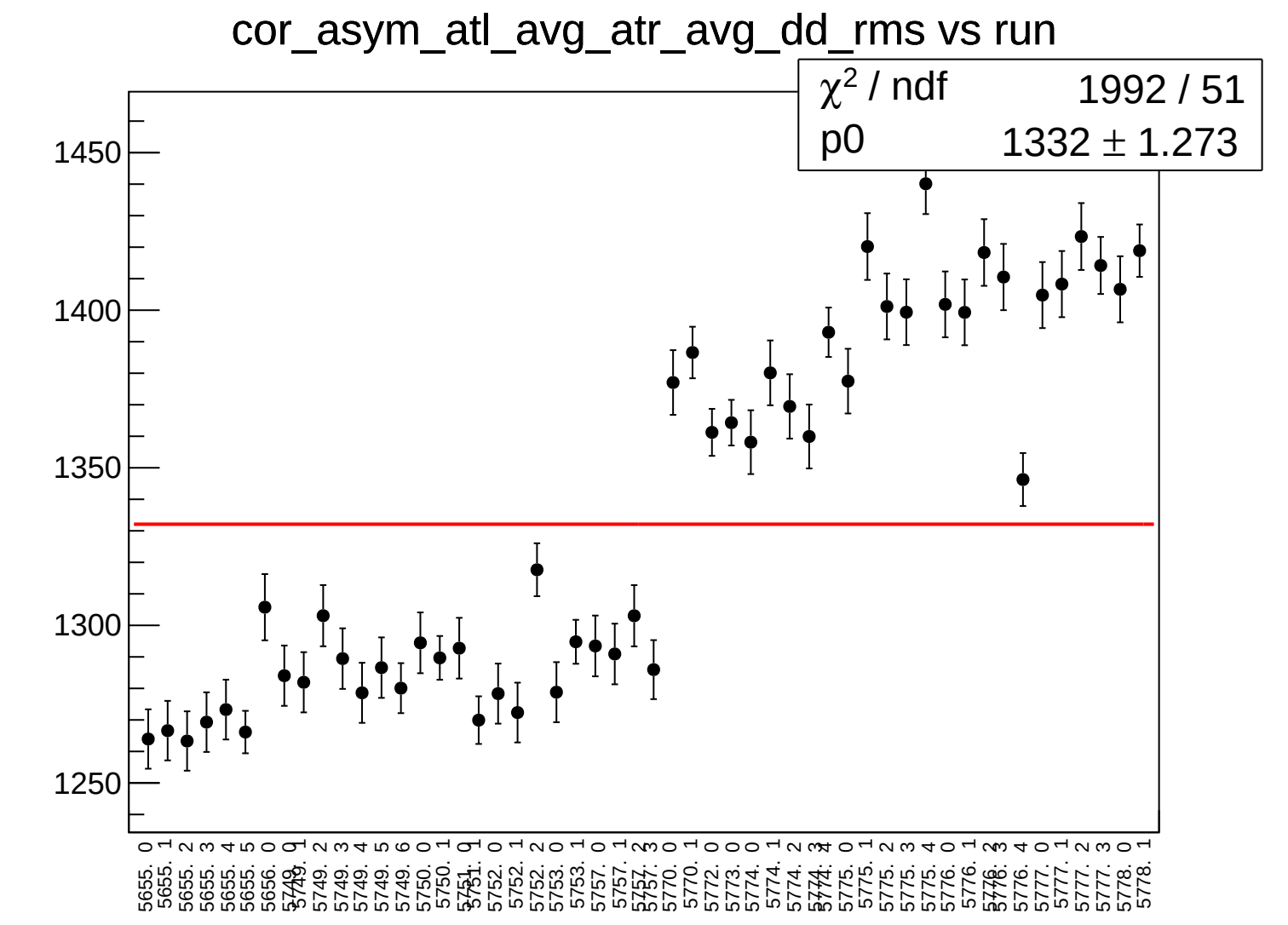

asym_atl_avg_atr_avg_dd_reg_correction_mean vs run
χ² / ndf 50.57 / 51
p0 −198 ± 511
pull
Entries 52
Mean −37.2
Std Dev 0

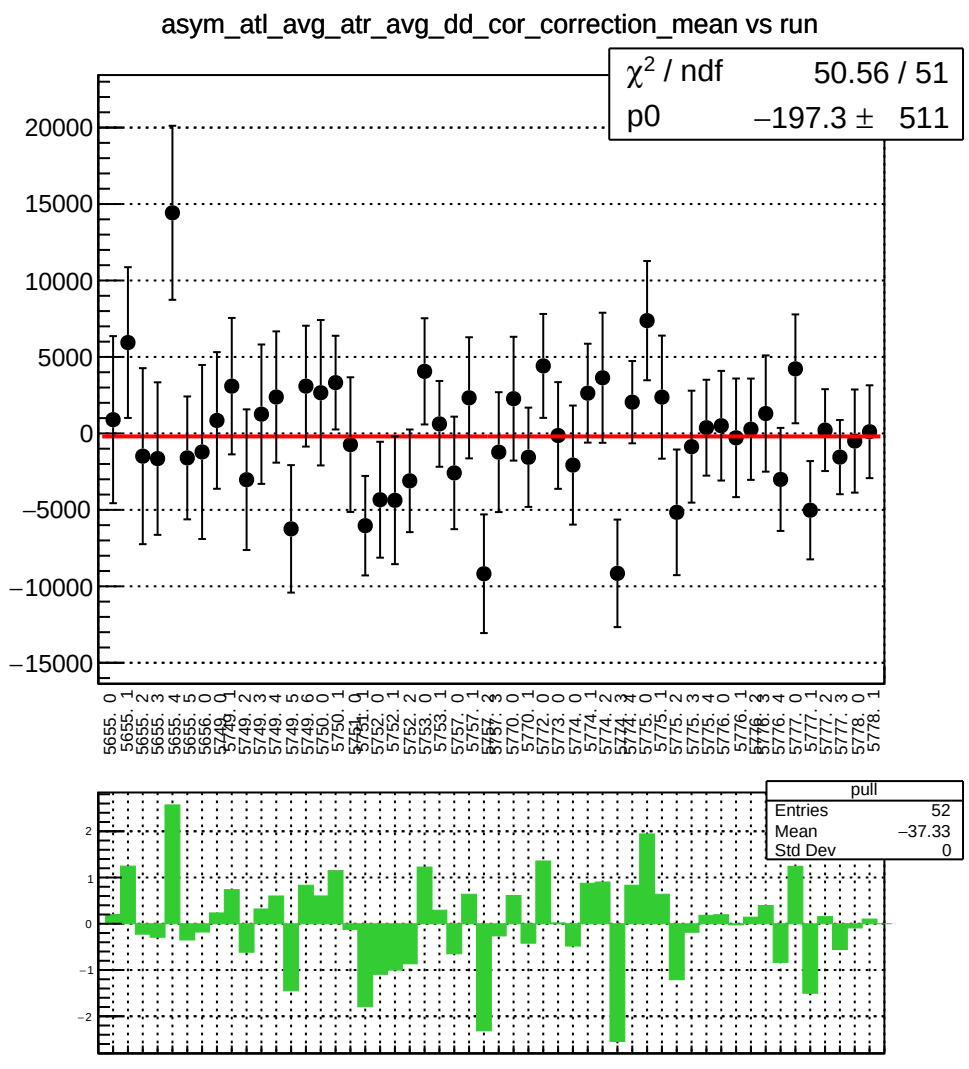

pull1D
Entries 52
Mean 0.02261
Std Dev 0.9859

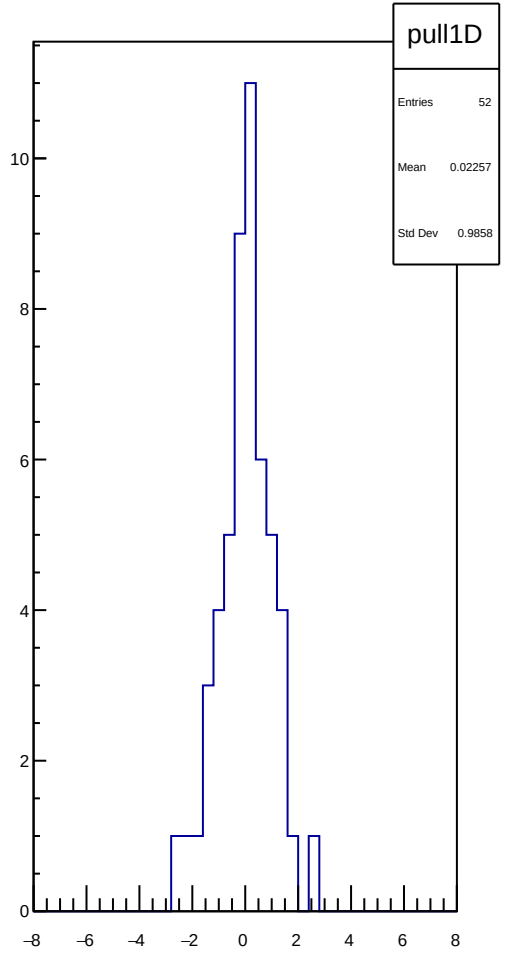

asym_atl_avg_atr_avg_dd_reg_correction_rms vs run
χ² / ndf 2.873e+04 / 51
p0 373.3 ± 0.3613
550
500
450
400
350
300
250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

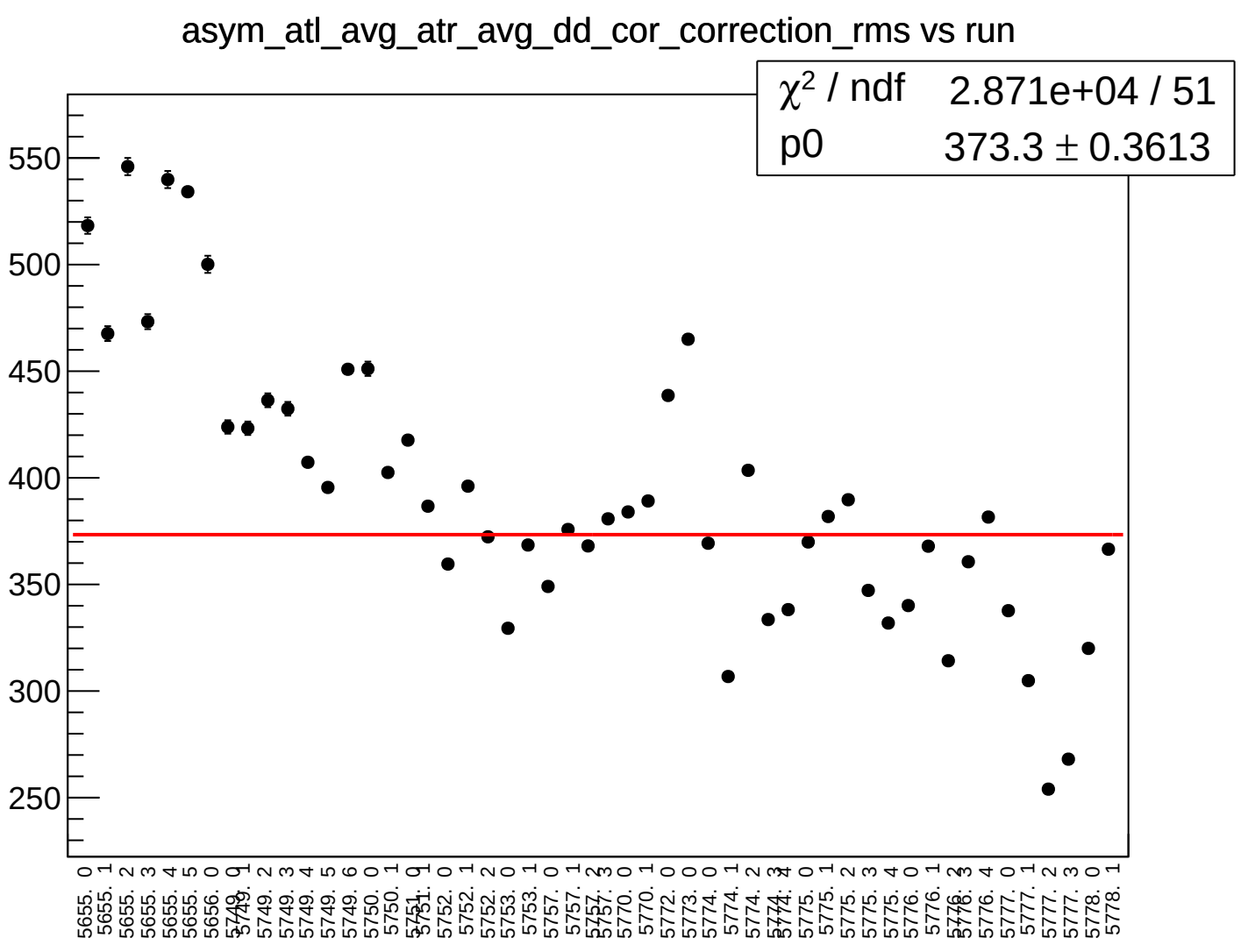

cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 40.67 / 51
p0 263.1 ± 1801
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 54.36
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

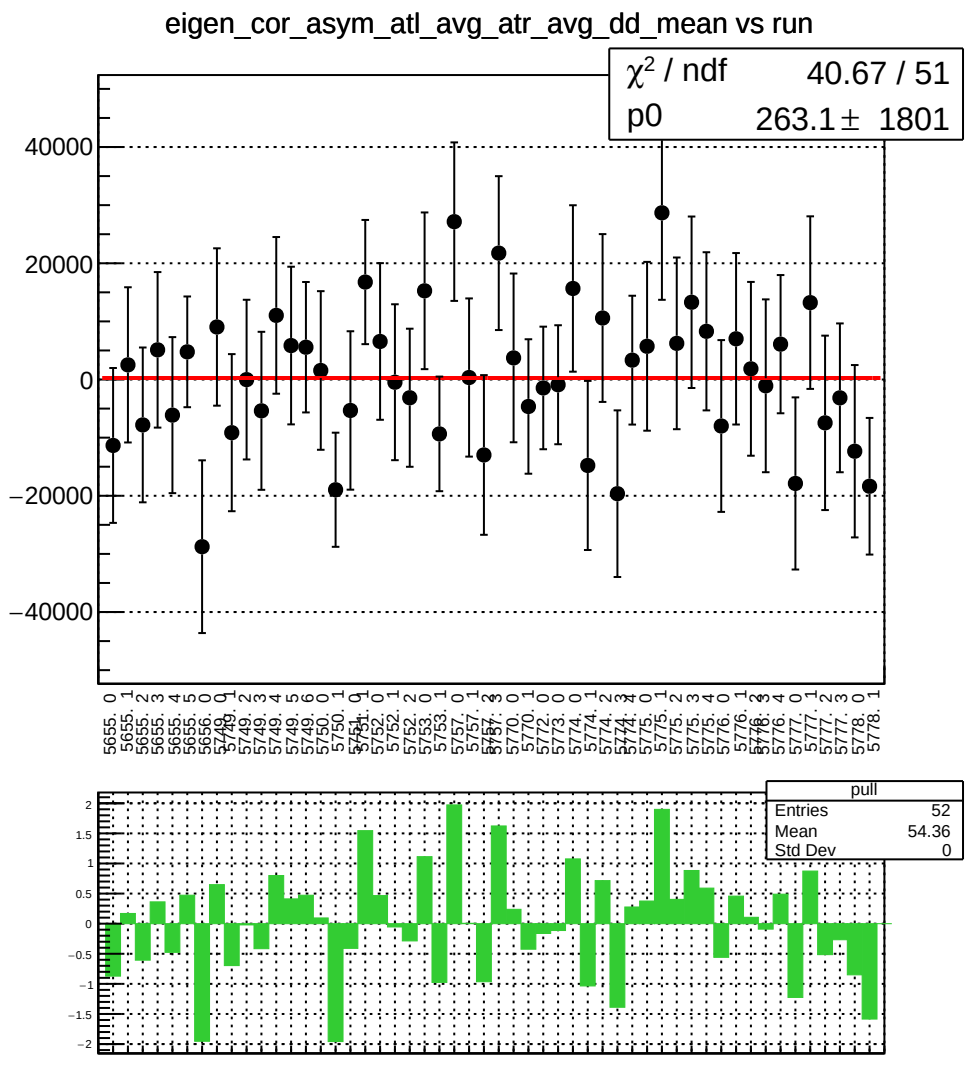

pull1D
Entries 52
Mean 0.01238
Std Dev 0.8843
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

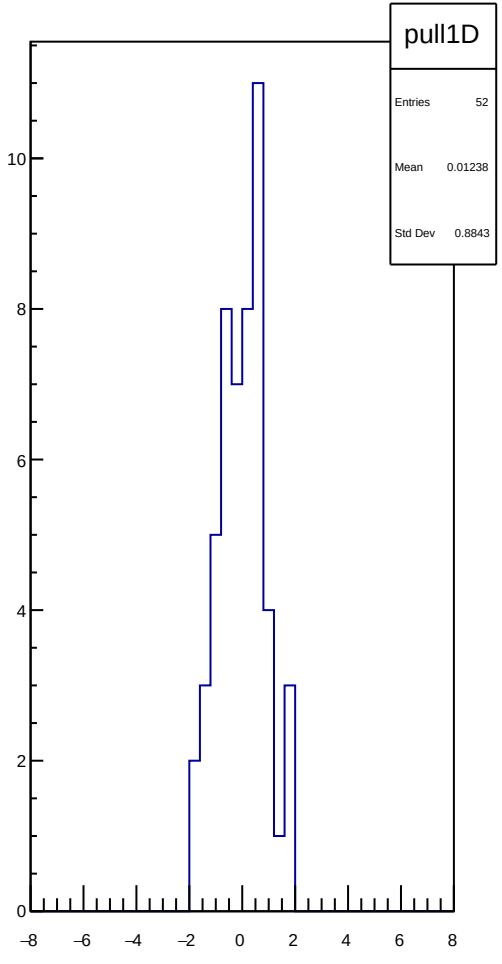

cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1992 / 51
p0 1332 ± 1.273
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

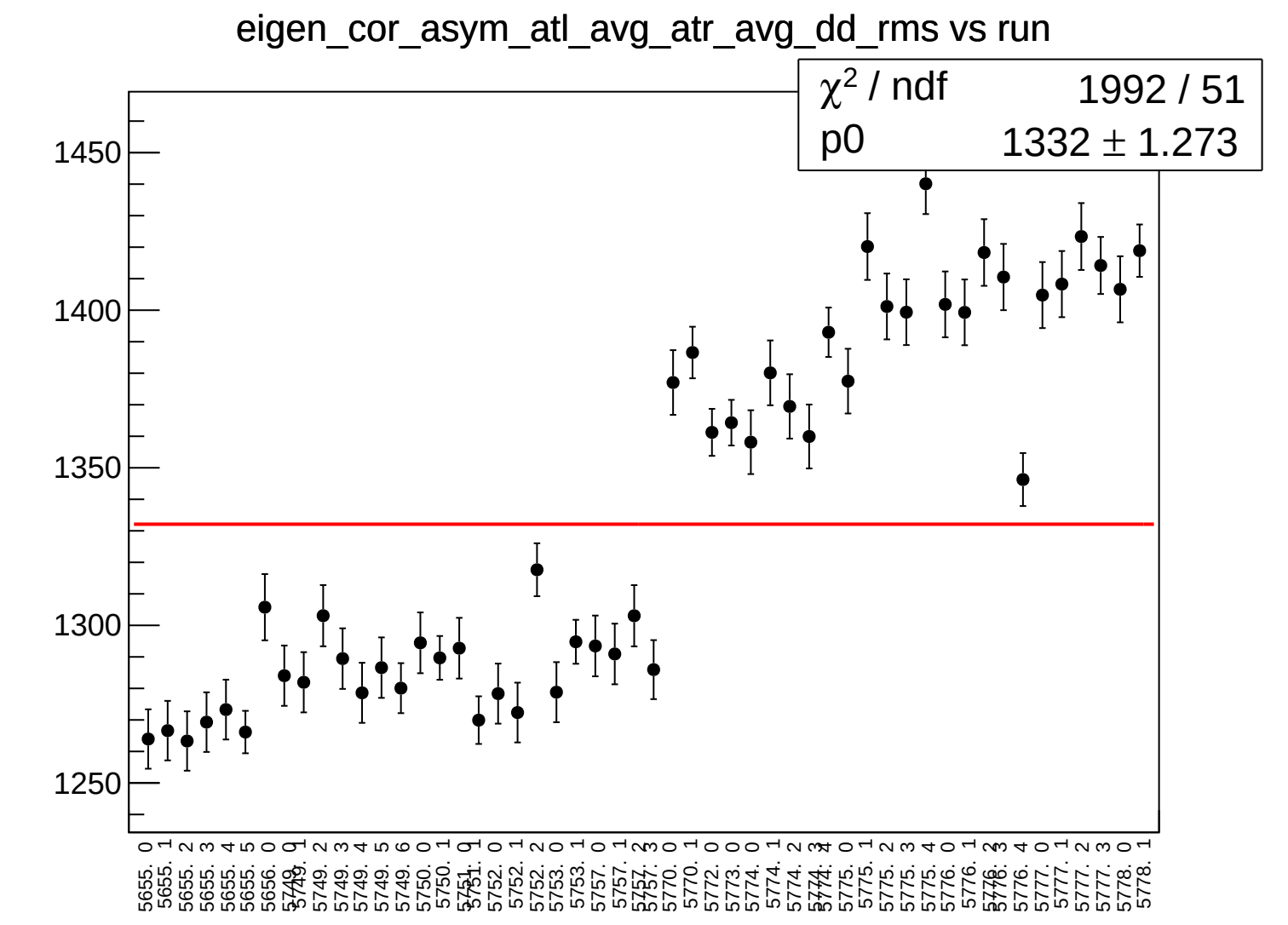

asym_atl_avg_atr_avg_dd_cor_correction_mean vs run
χ² / ndf 50.56 / 51
p0 −197.3 ± 511
pull
Entries 52
Mean −37.33
Std Dev 0


pull1D
Entries 52
Mean 0.02257
Std Dev 0.9858


asym_atl_avg_atr_avg_dd_cor_correction_rms vs run
χ² / ndf 2.871e+04 / 51
p0 373.3 ± 0.3613
550
500
450
400
350
300
250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 40.67 / 51
p0 263.1 ± 1801
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 54.36
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean 0.01238
Std Dev 0.8843
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1992 / 51
p0 1332 ± 1.273
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
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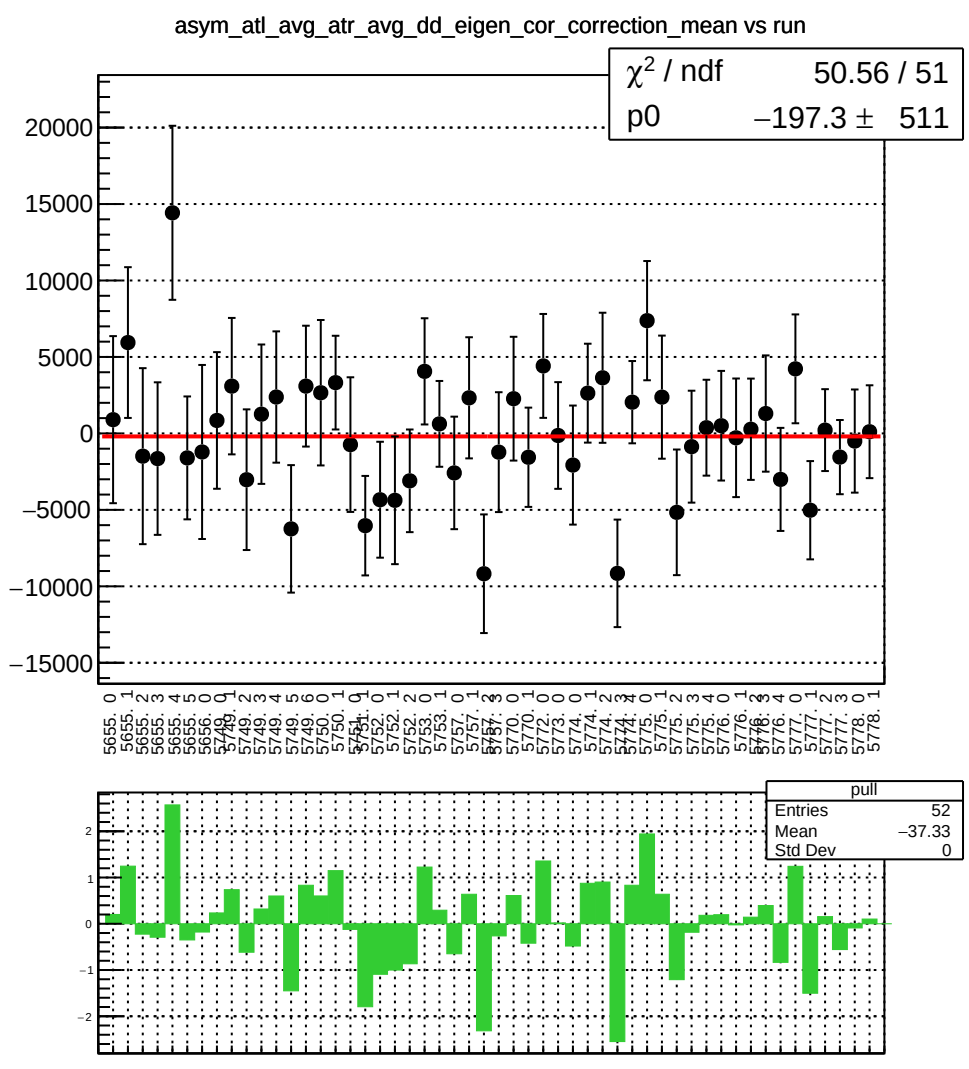
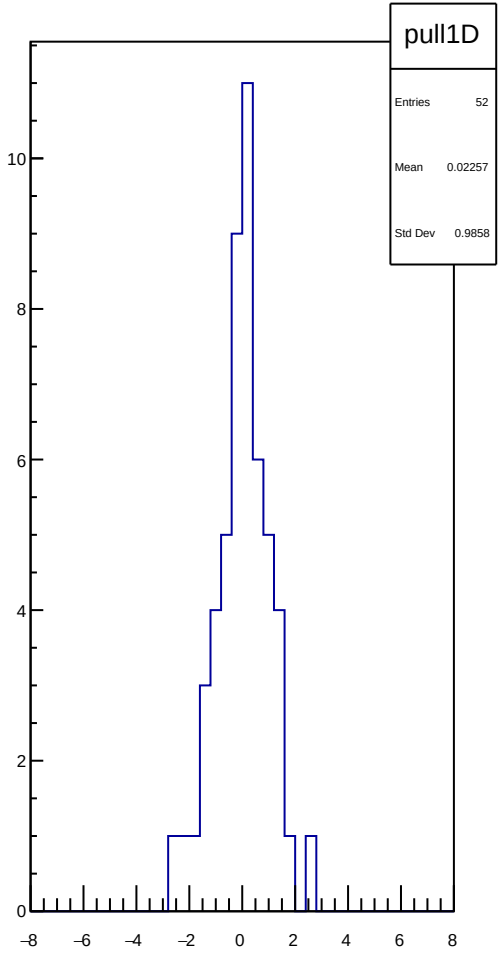
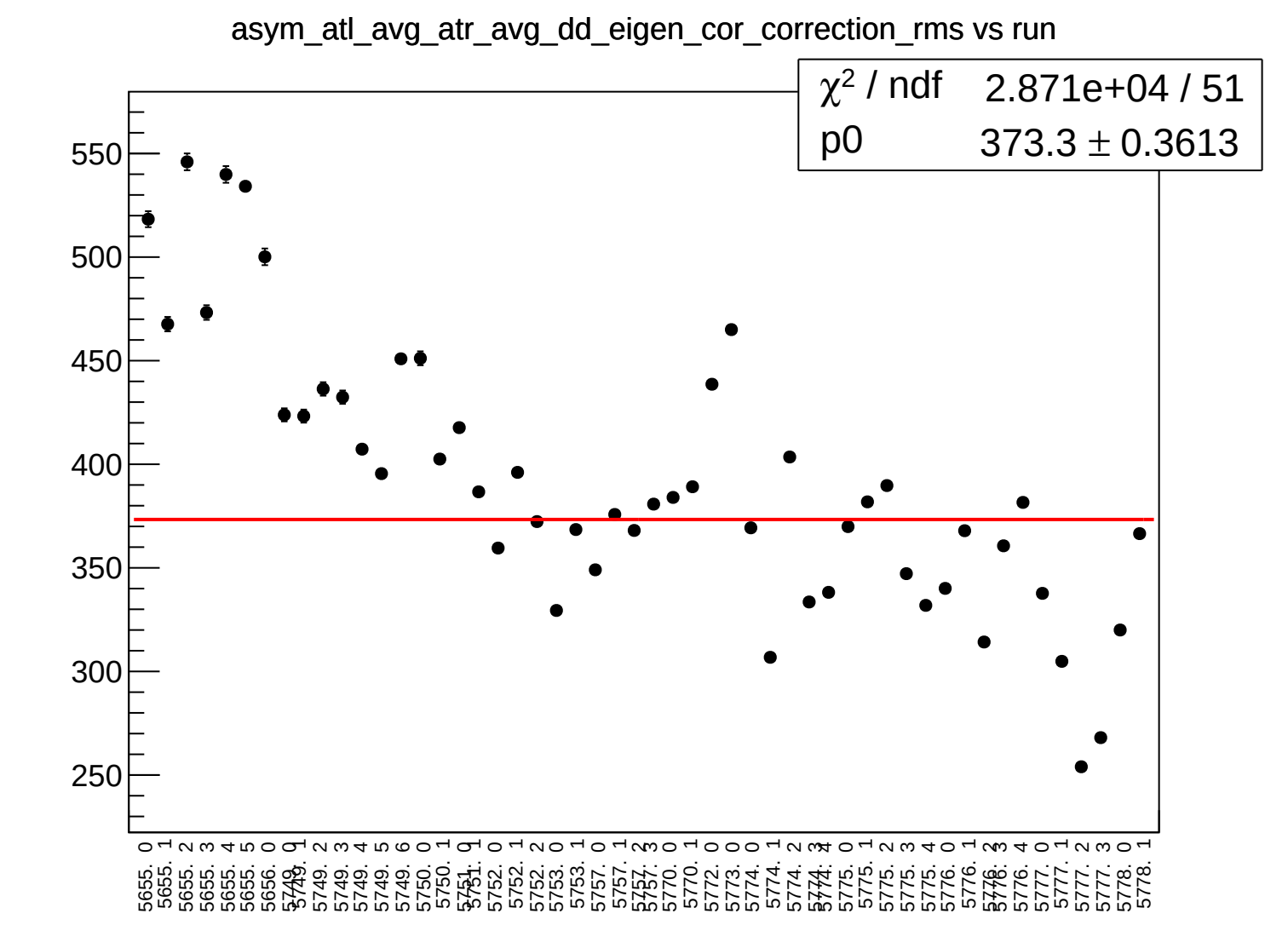
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 50.56 / 51
p0 −197.3 ± 511
pull
Entries 52
Mean −37.33
Std Dev 0


pull1D
Entries 52
Mean 0.02257
Std Dev 0.9858


asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.871e+04 / 51
p0 373.3 ± 0.3613
550
500
450
400
350
300
250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
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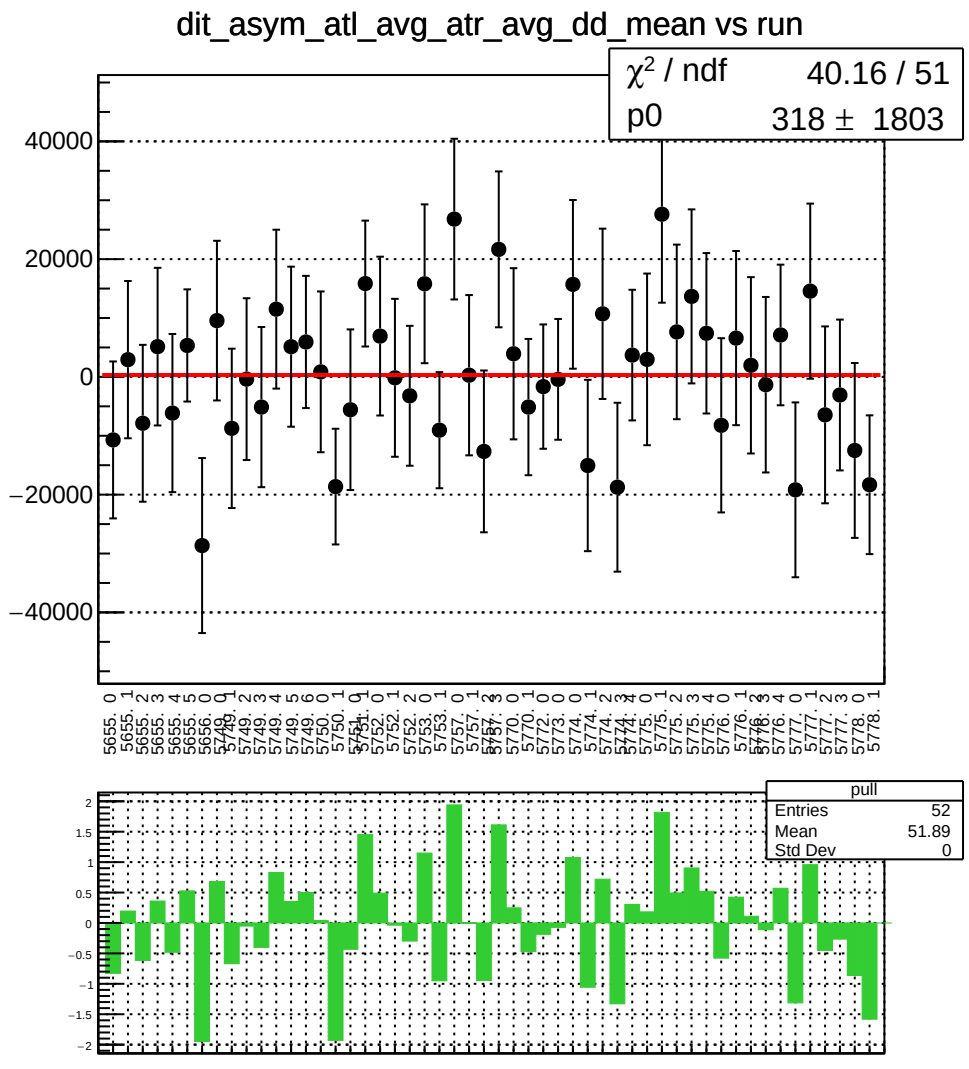
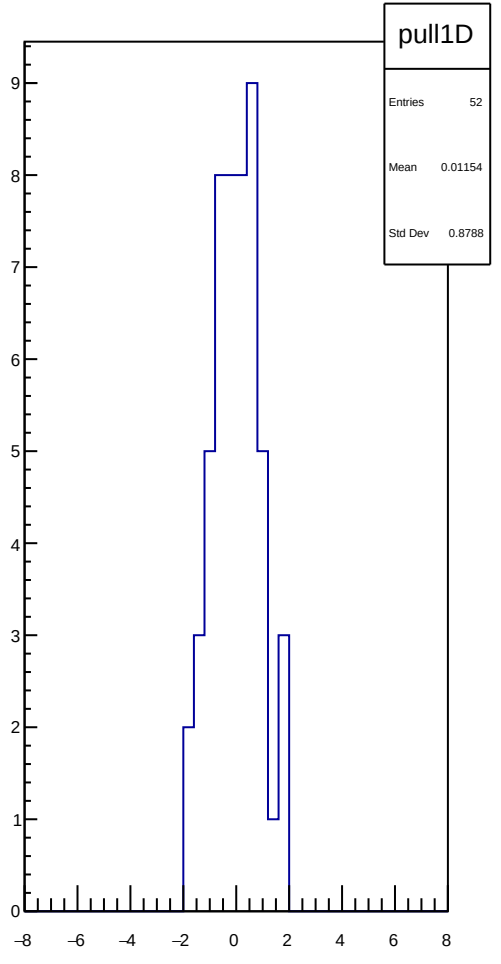
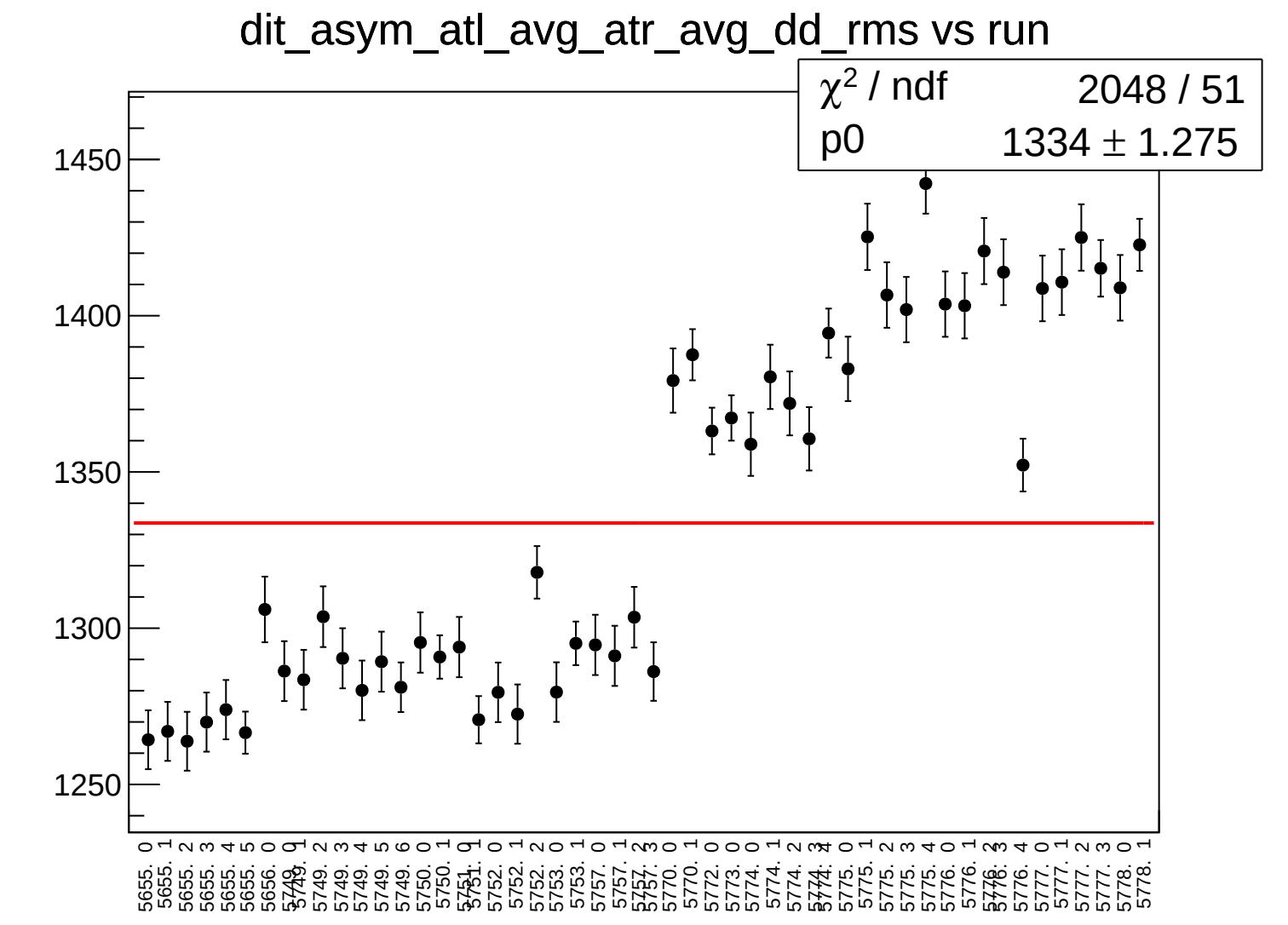
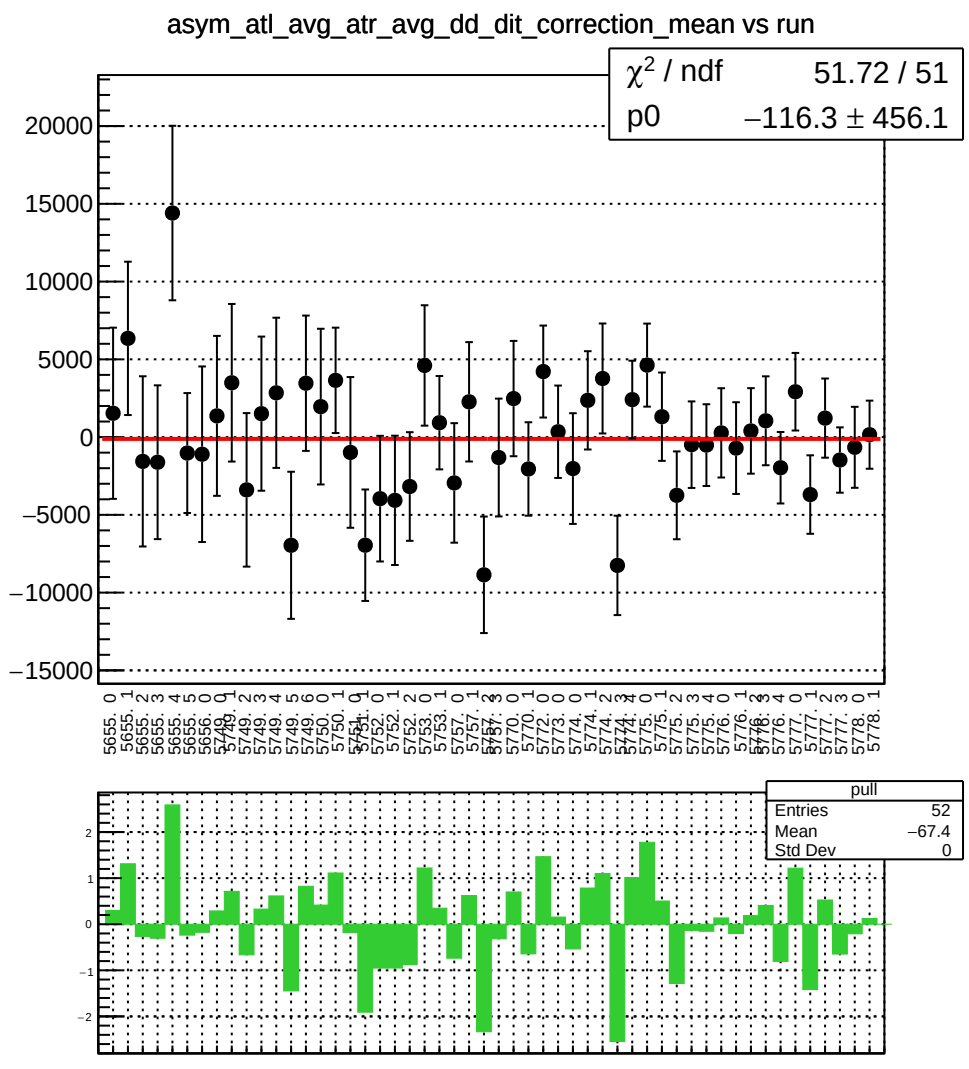
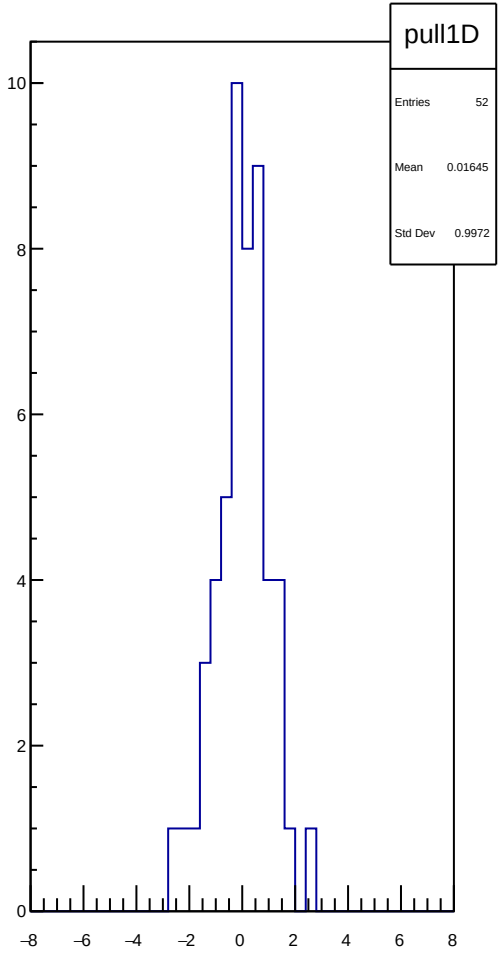
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

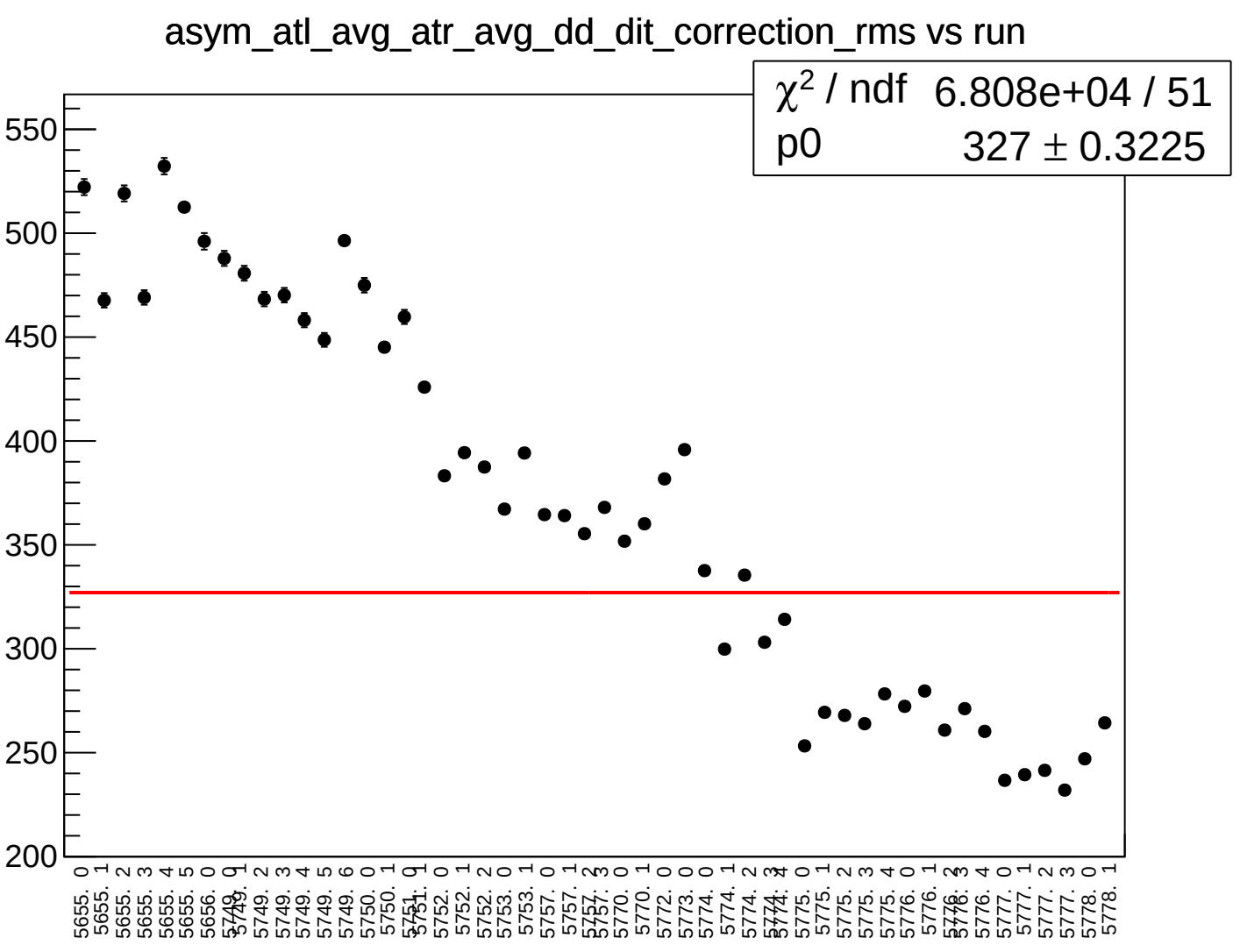

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 40.16 / 51
p0 318 ± 1803
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 51.89
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean 0.01154
Std Dev 0.8788
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 2048 / 51
p0 1334 ± 1.275
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl_avg_atr_avg_dd_dit_correction_mean vs run
χ² / ndf 51.72 / 51
p0 −116.3 ± 456.1
pull
Entries 52
Mean −67.4
Std Dev 0


pull1D
Entries 52
Mean 0.01645
Std Dev 0.9972


asym_atl_avg_atr_avg_dd_dit_correction_rms vs run
χ² / ndf 6.808e+04 / 51
p0 327 ± 0.3225
550
500
450
400
350
300
250
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
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5776. 1
5776. 4
5777. 0
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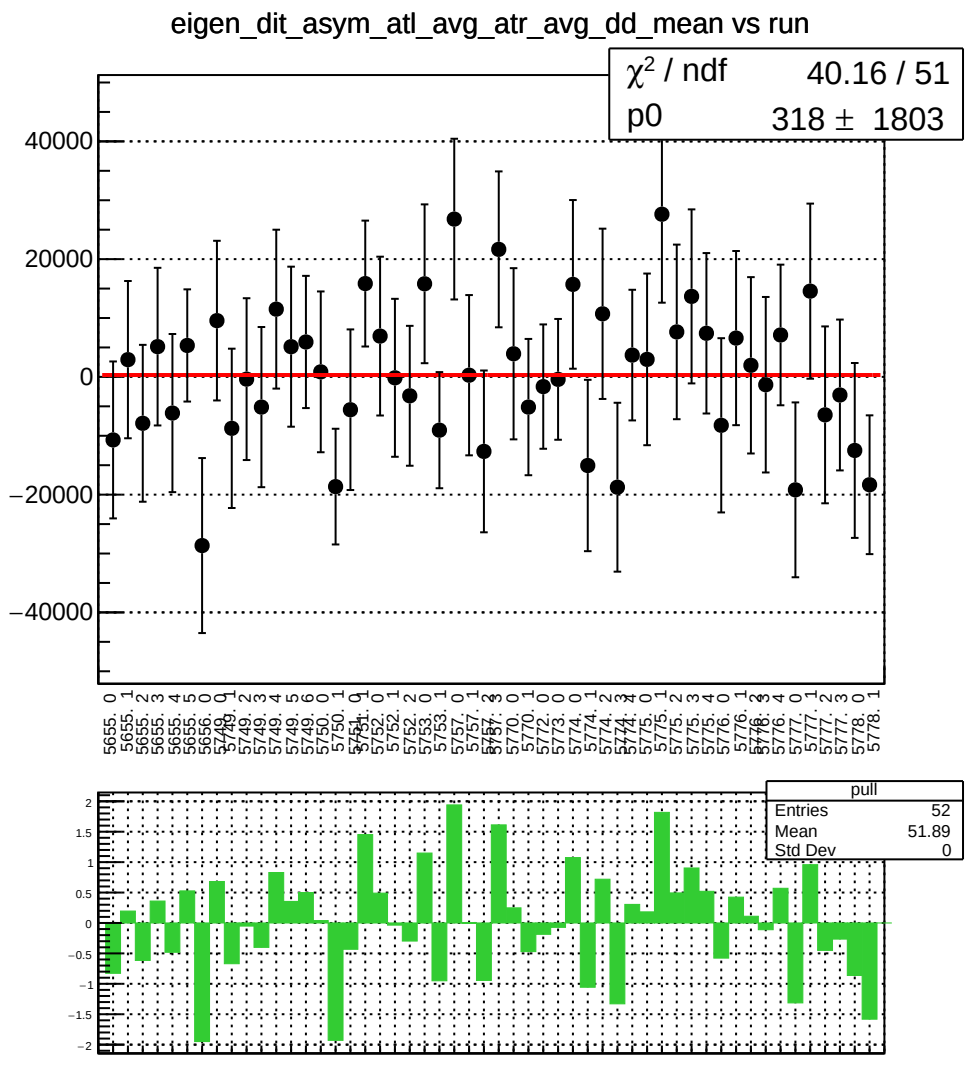
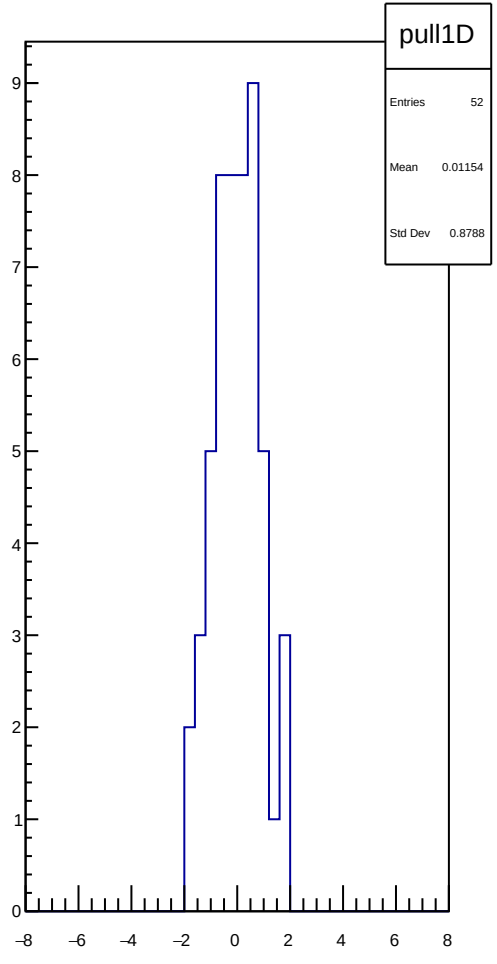
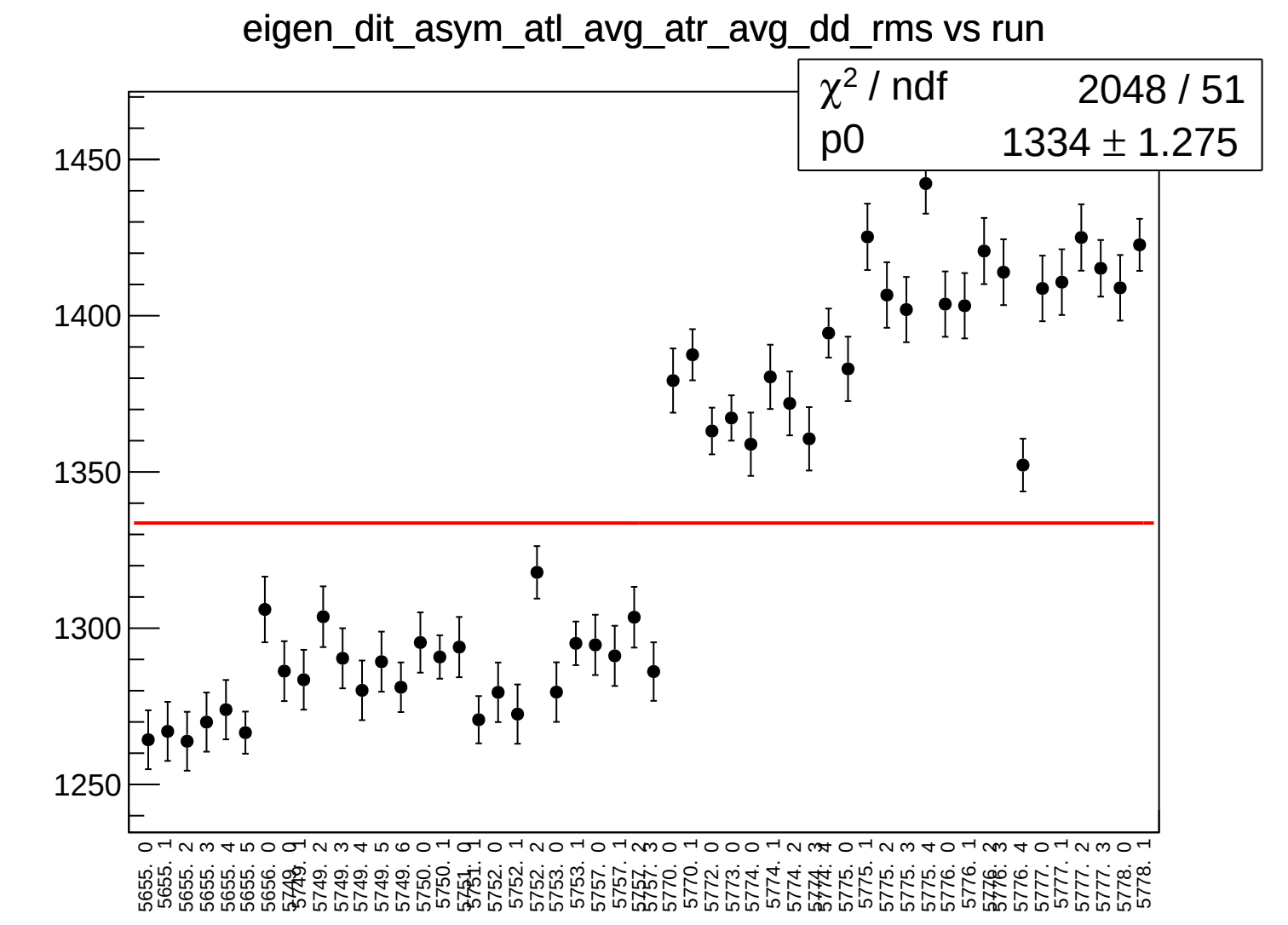
5777. 2
5777. 3
5778. 0
5778. 1


eigen_dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 40.16 / 51
p0 318 ± 1803
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 51.89
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean 0.01154
Std Dev 0.8788
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 2048 / 51
p0 1334 ± 1.275
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
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5774. 1
5774. 2
5774. 3
5774. 4
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5777. 2
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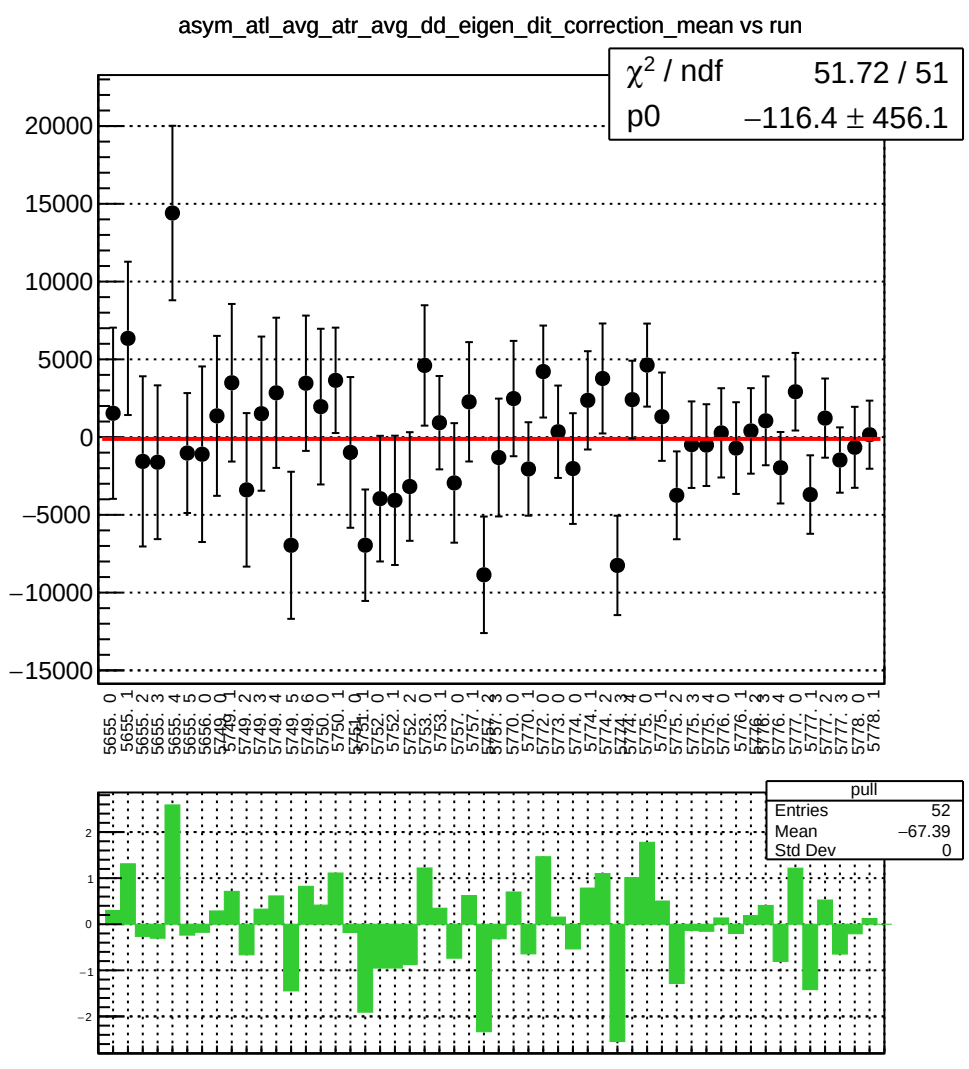
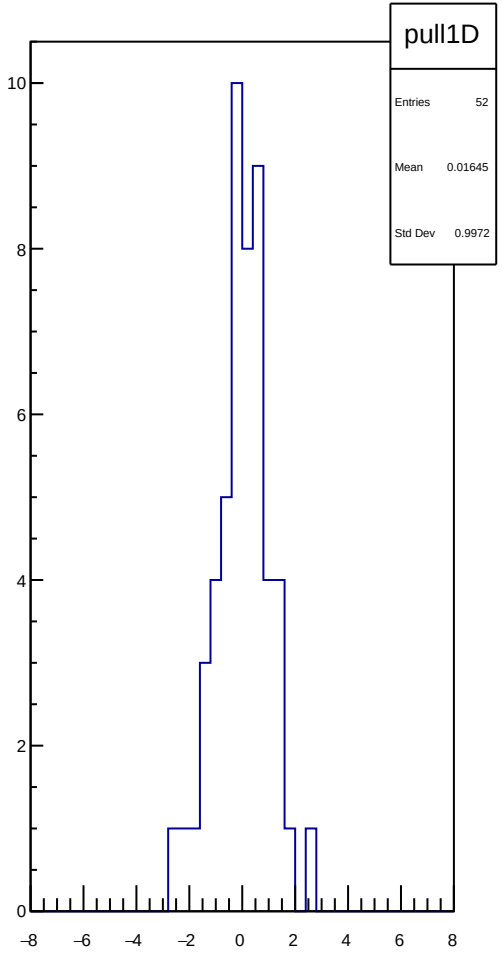
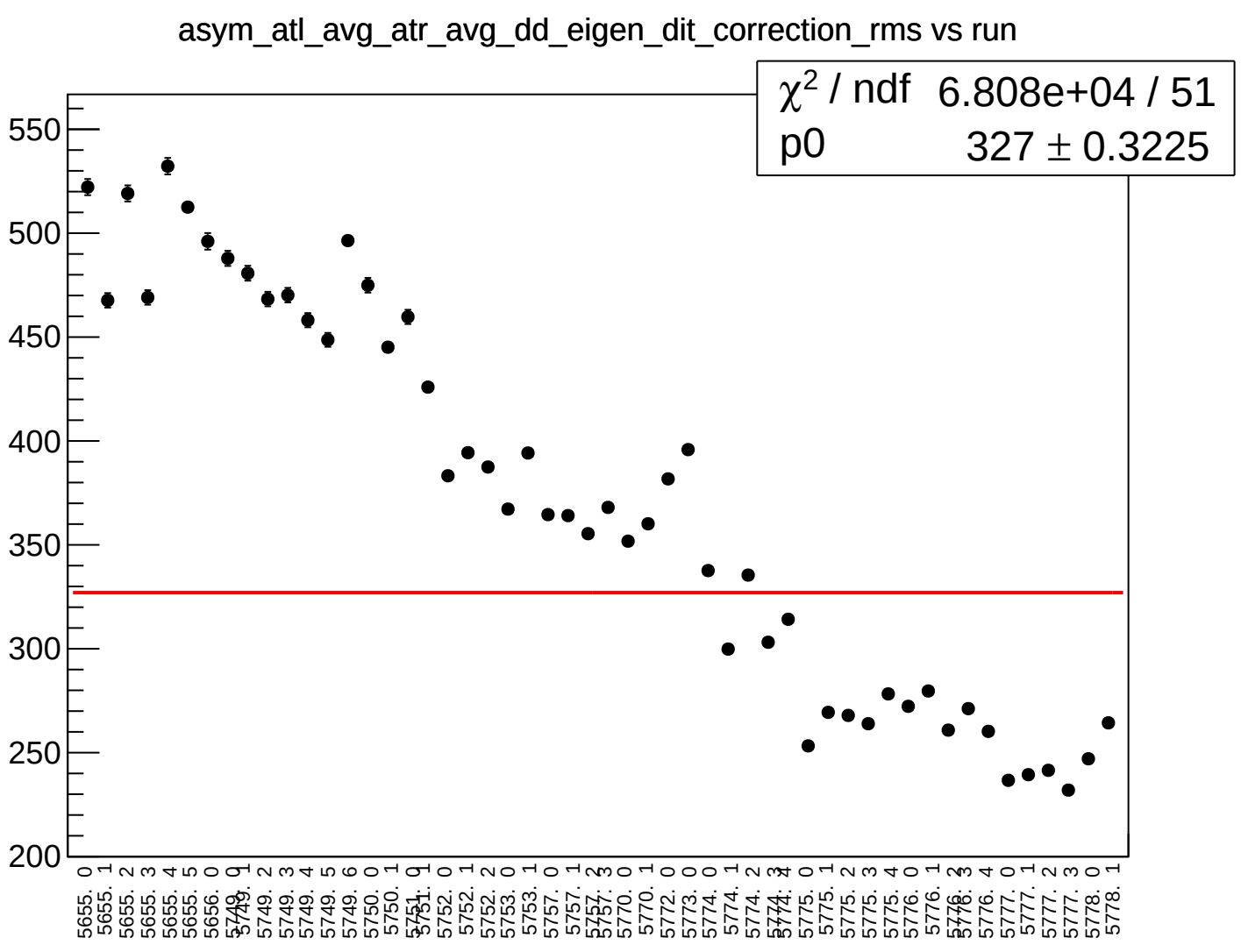
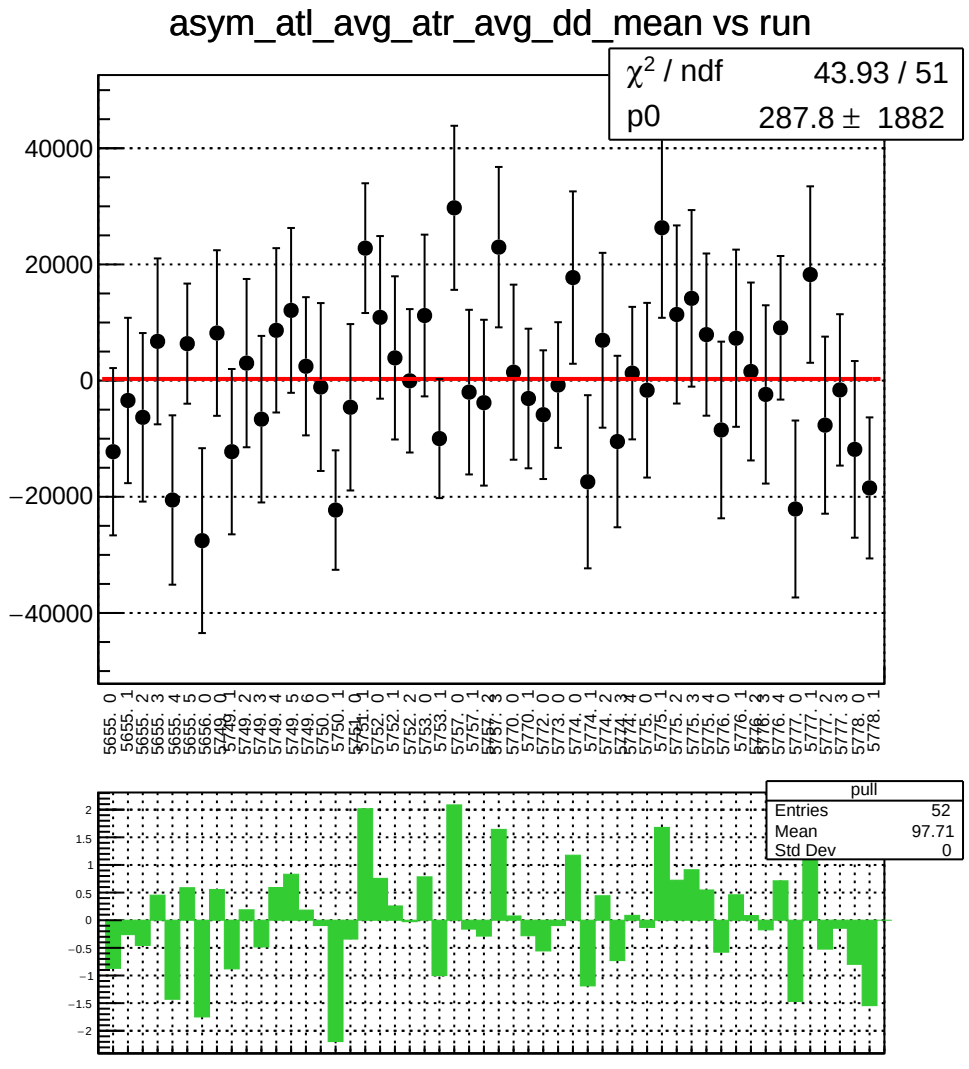
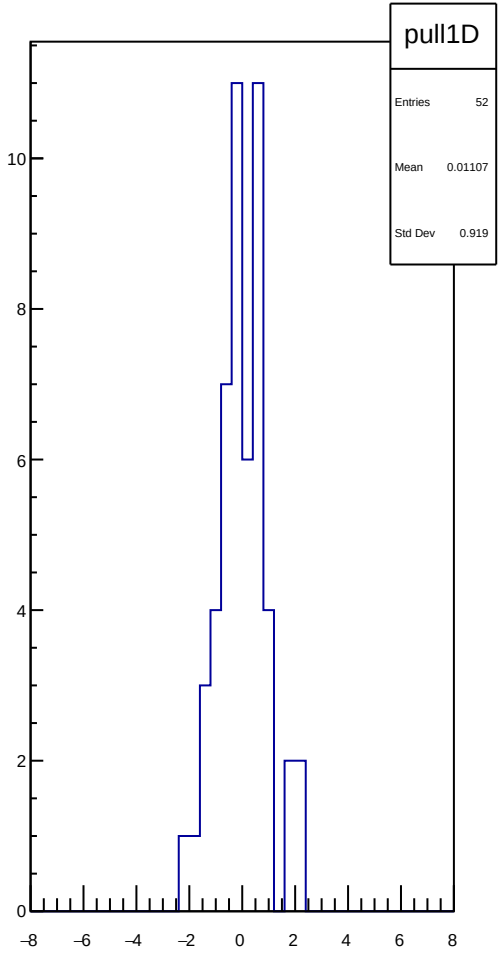
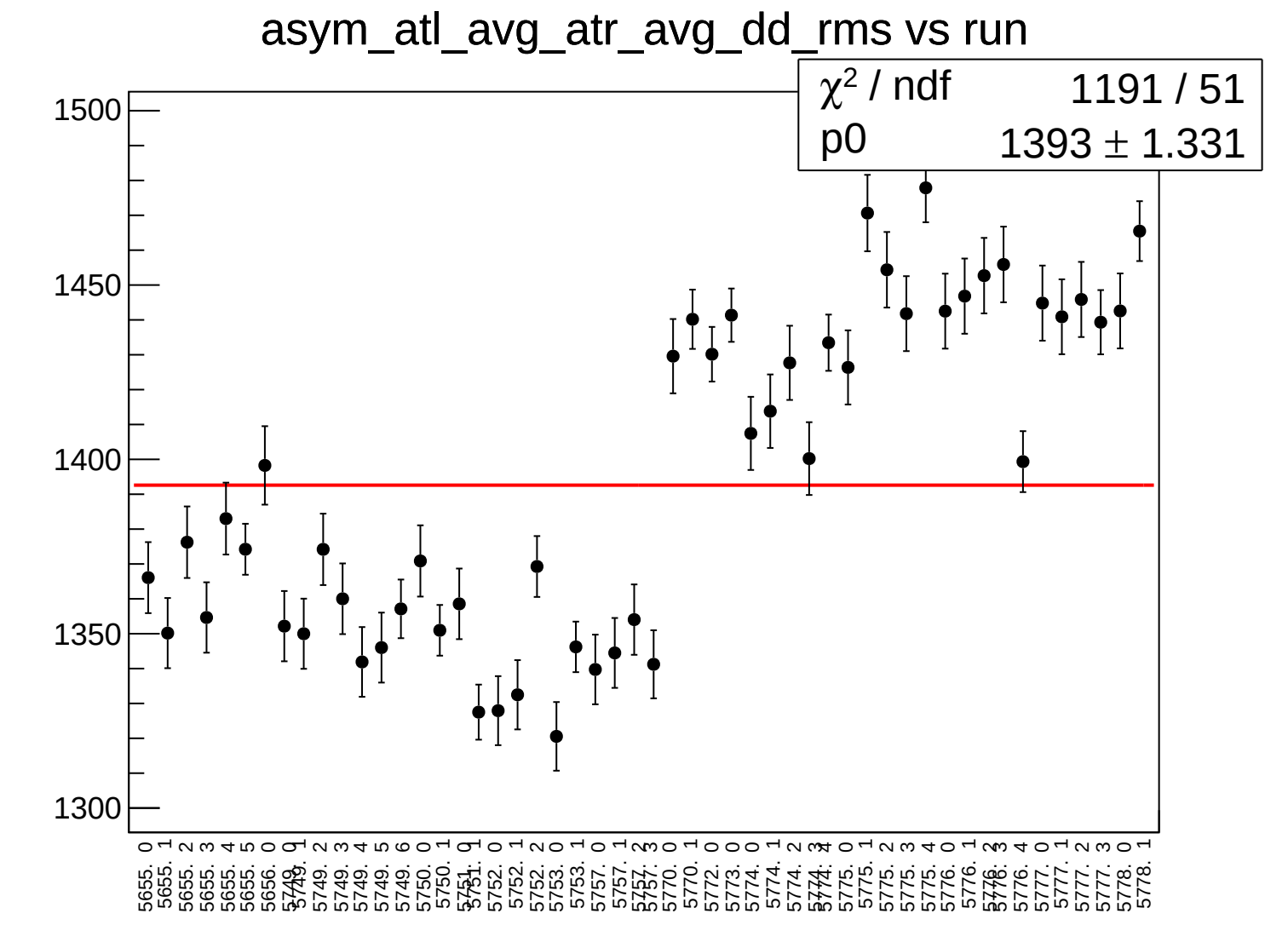

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 51.72 / 51
p0 −116.4 ± 456.1
pull
Entries 52
Mean −67.39
Std Dev 0


pull1D
Entries 52
Mean 0.01645
Std Dev 0.9972


asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 6.808e+04 / 51
p0 327 ± 0.3225
550
500
450
400
350
300
250
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 43.93 / 51
p0 287.8 ± 1882
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 97.71
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean 0.01107
Std Dev 0.919
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1191 / 51
p0 1393 ± 1.331
1500
1450
1400
1350
1300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
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5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
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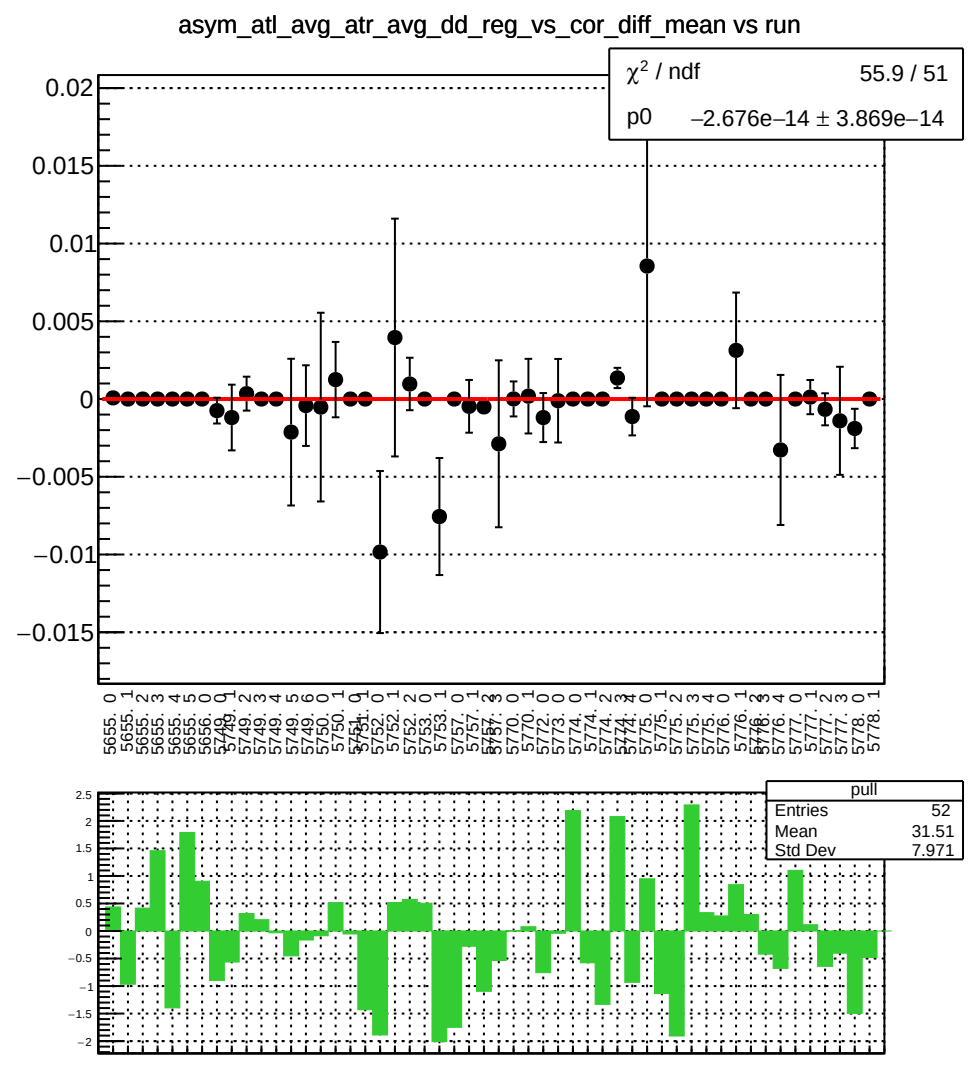
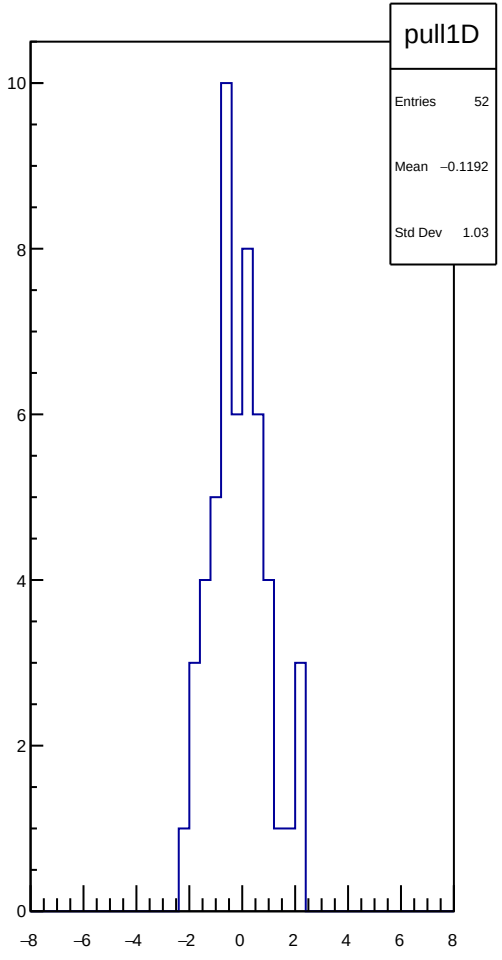
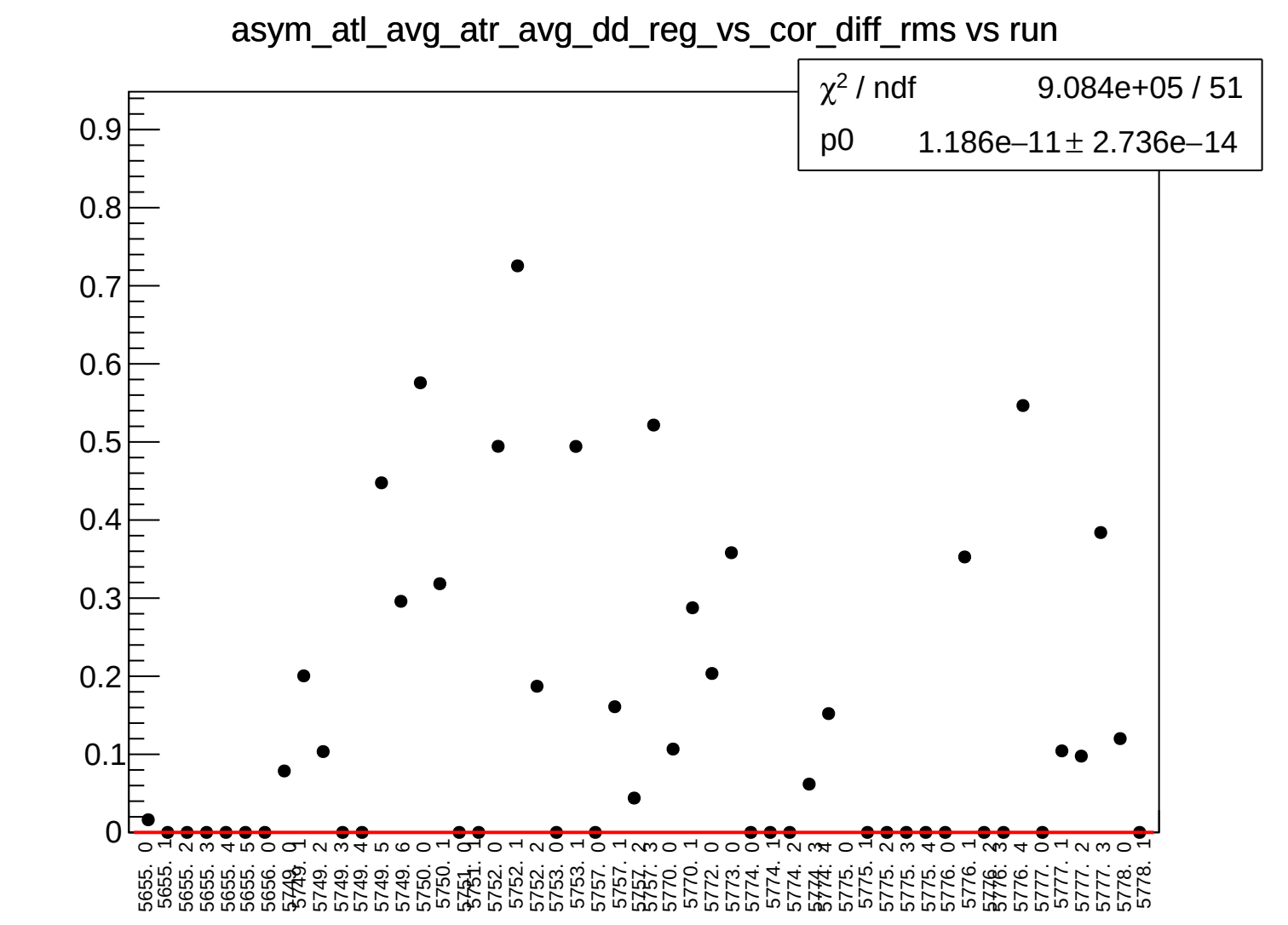
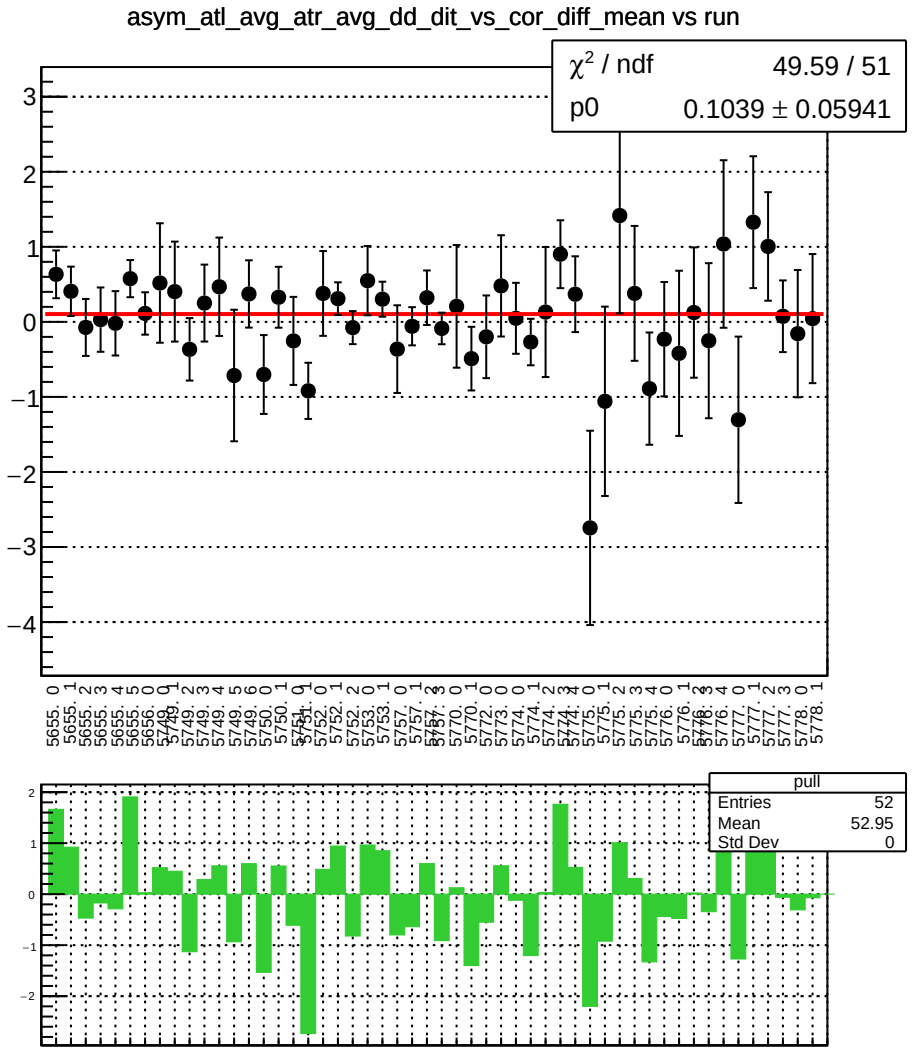
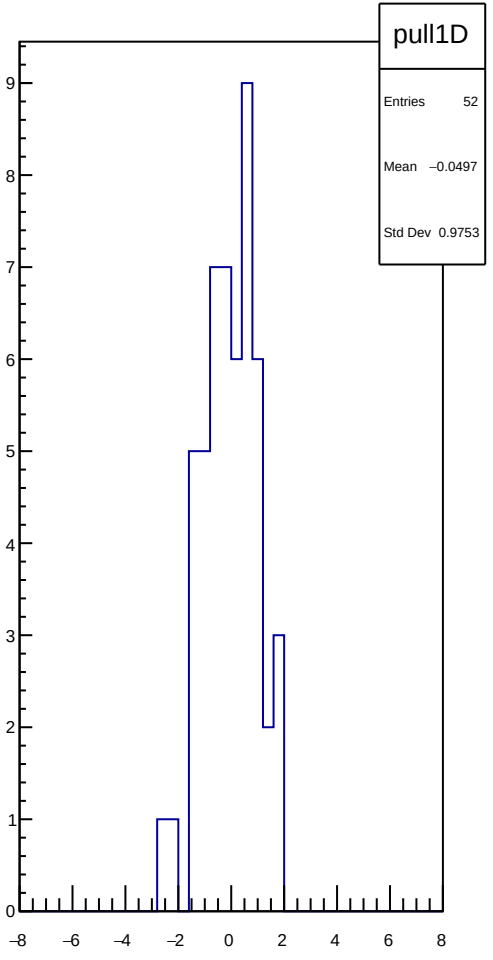
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

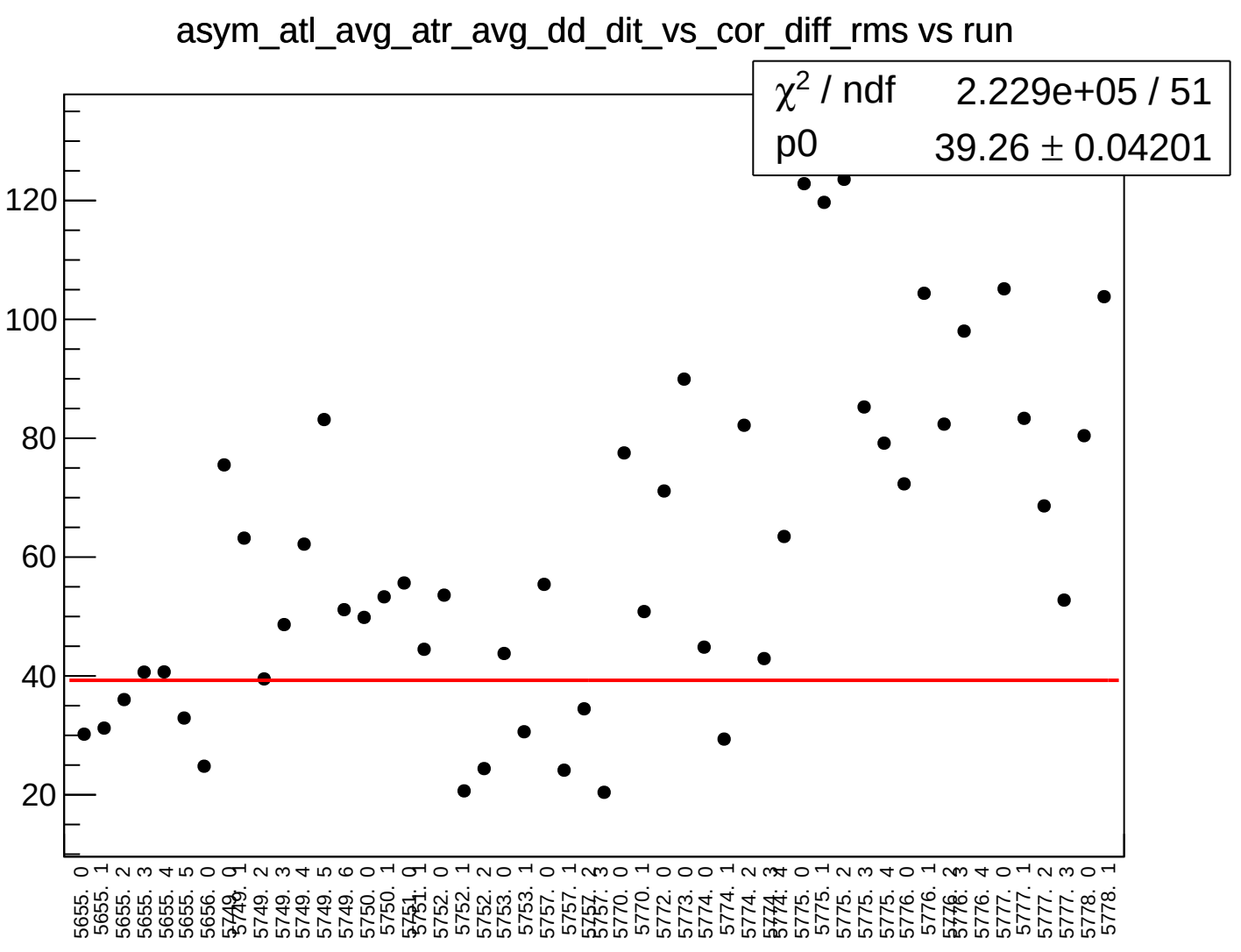

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 55.9 / 51
p0 −2.676e−14 ± 3.869e−14
pull
Entries 52
Mean 31.51
Std Dev 7.971

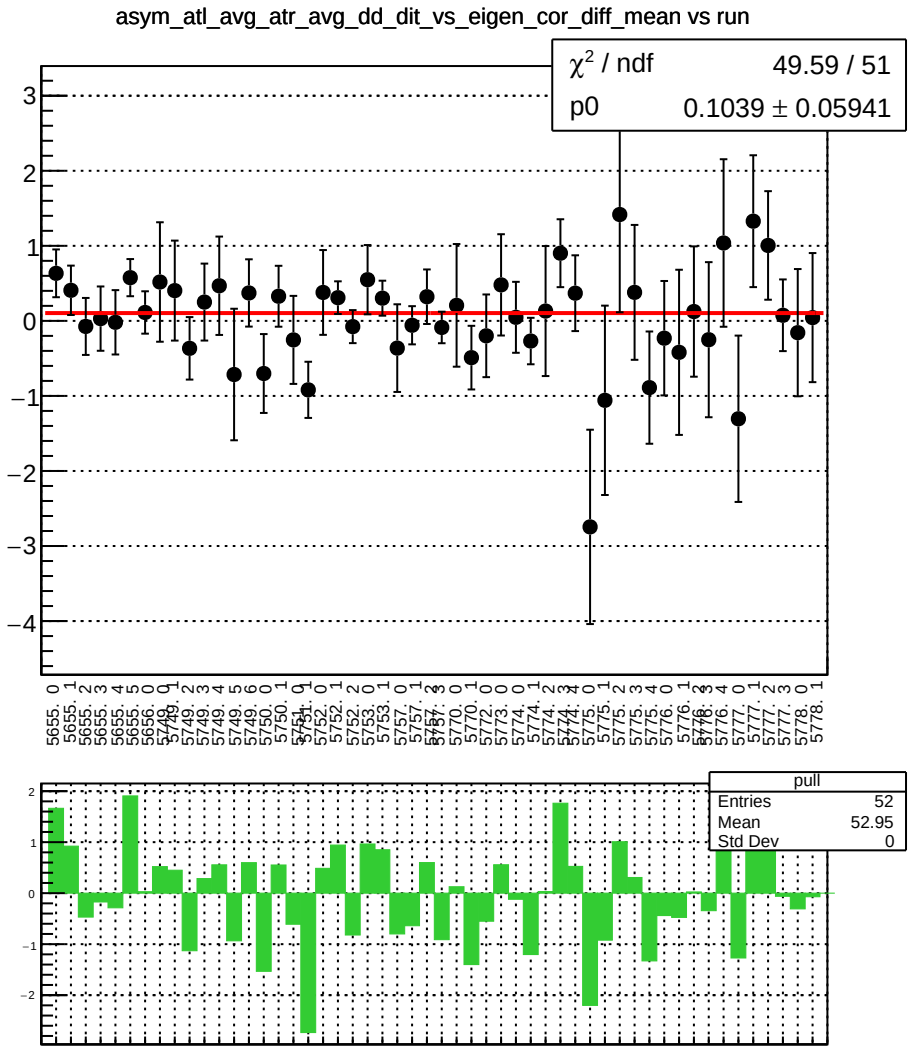

pull1D
Entries 52
Mean −0.1192
Std Dev 1.03

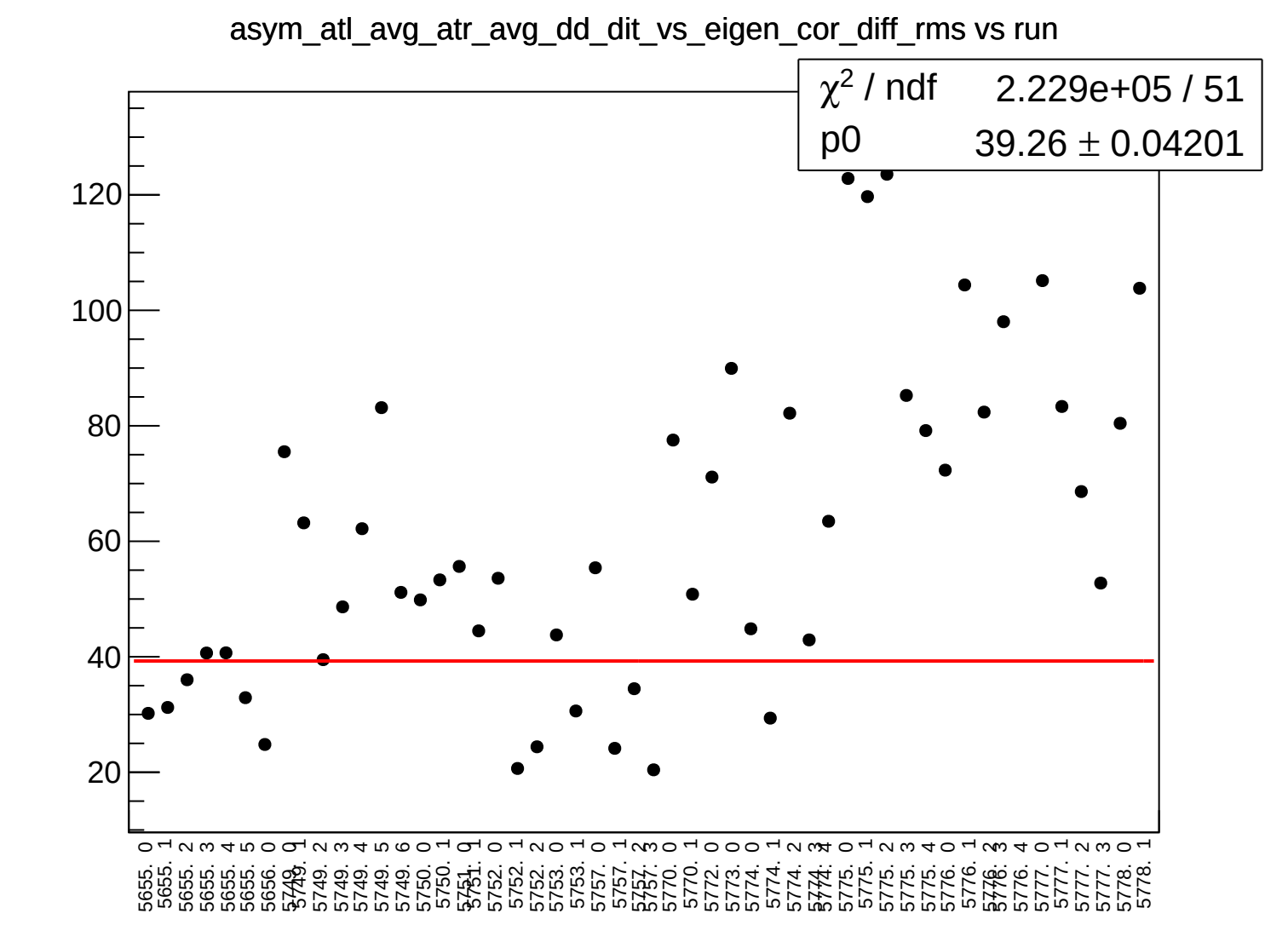

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.084e+05 / 51
p0 1.186e−11 ± 2.736e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

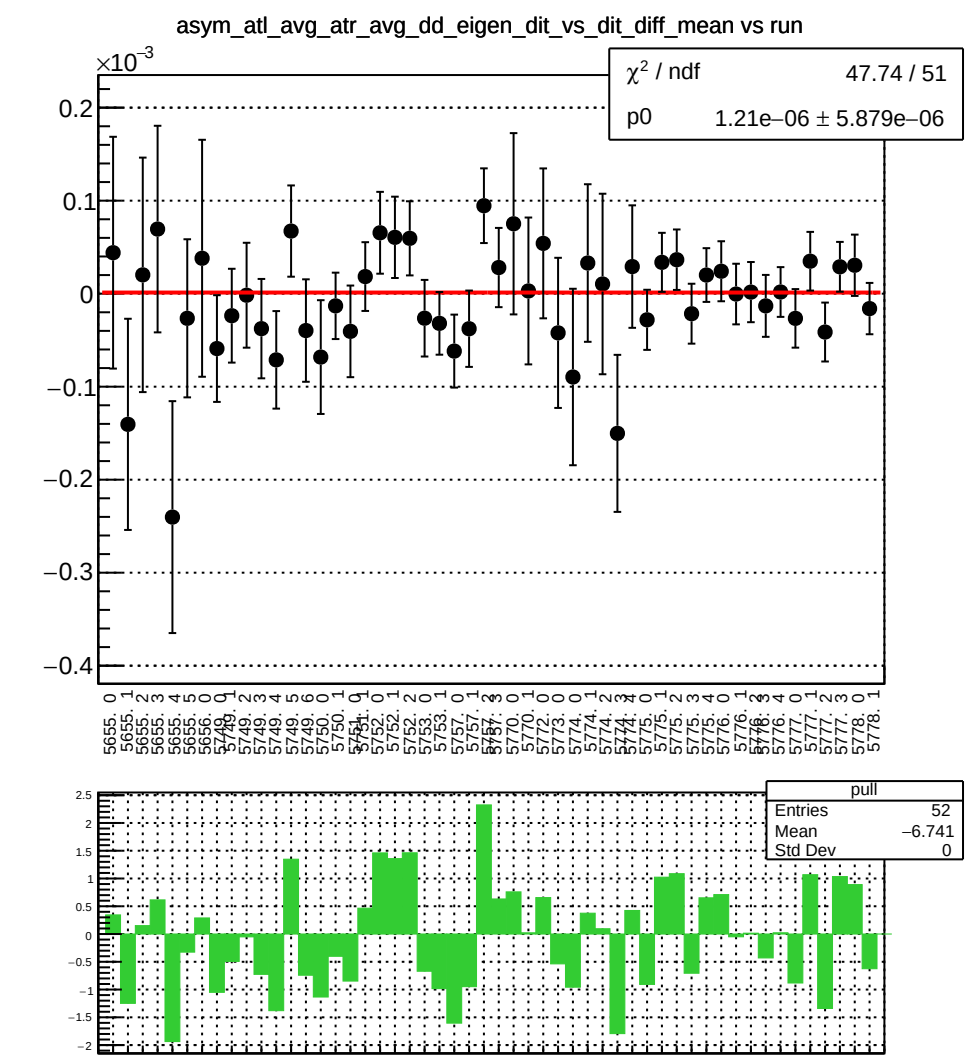

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 49.59 / 51
p0 0.1039 ± 0.05941
pull
Entries 52
Mean 52.95
Std Dev 0

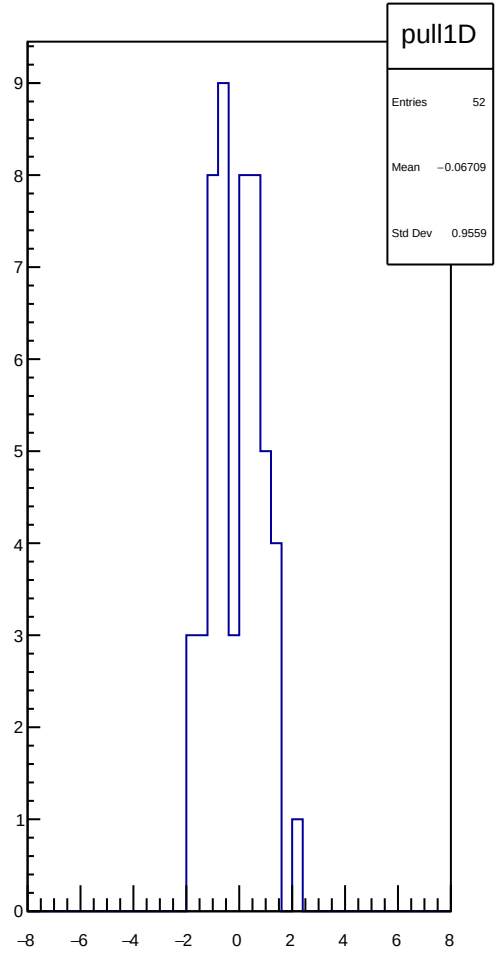

pull1D
Entries 52
Mean −0.0497
Std Dev 0.9753

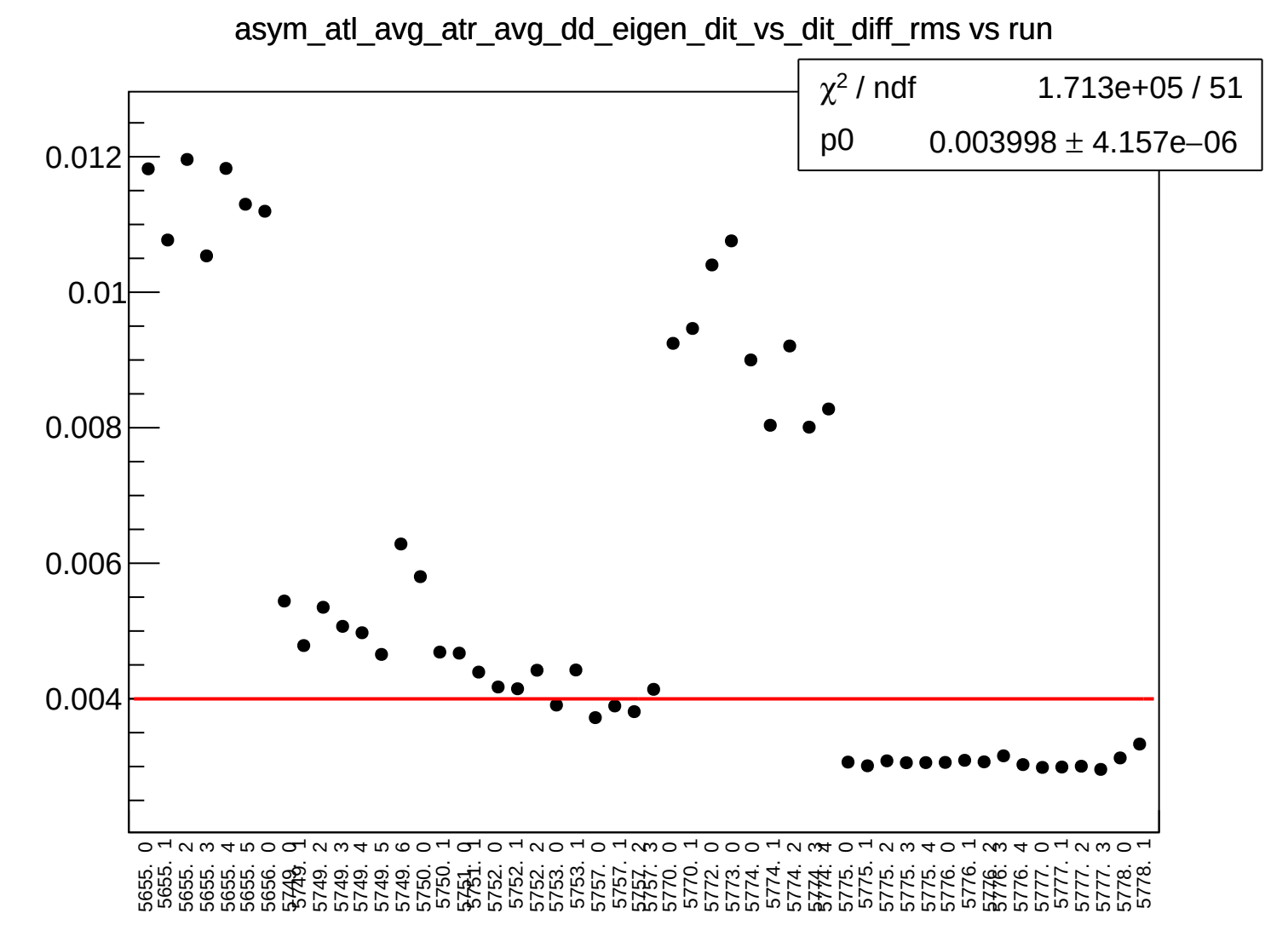

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.229e+05 / 51
p0 39.26 ± 0.04201
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.59 / 51
p0 0.1039 ± 0.05941
pull
Entries 52
Mean 52.95
Std Dev 0
pull1D
Entries 52
Mean −0.0497
Std Dev 0.9753


asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.229e+05 / 51
p0 39.26 ± 0.04201
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 47.74 / 51
p0 1.21e−06 ± 5.879e−06
pull
Entries 52
Mean −6.741
Std Dev 0


pull1D
Entries 52
Mean −0.06709
Std Dev 0.9559


asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.713e+05 / 51
p0 0.003998 ± 4.157e−06
0.012
0.01
0.008
0.006
0.004
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
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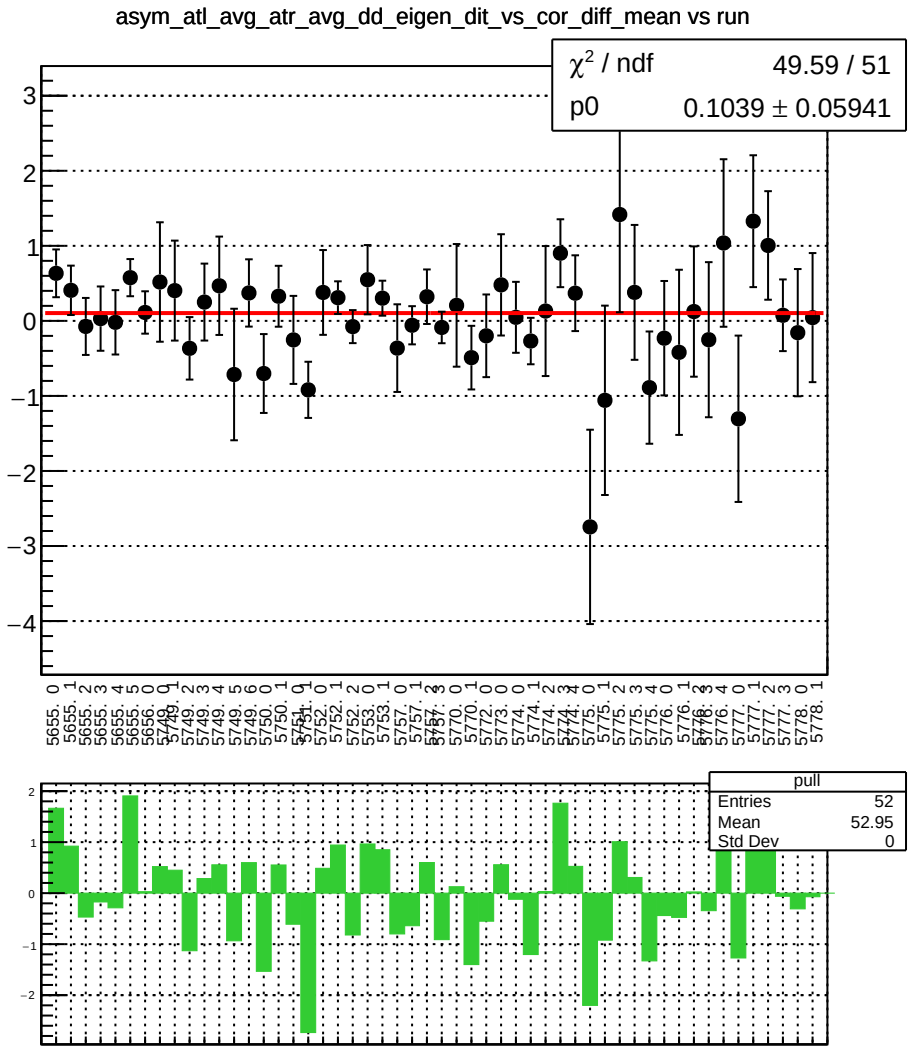
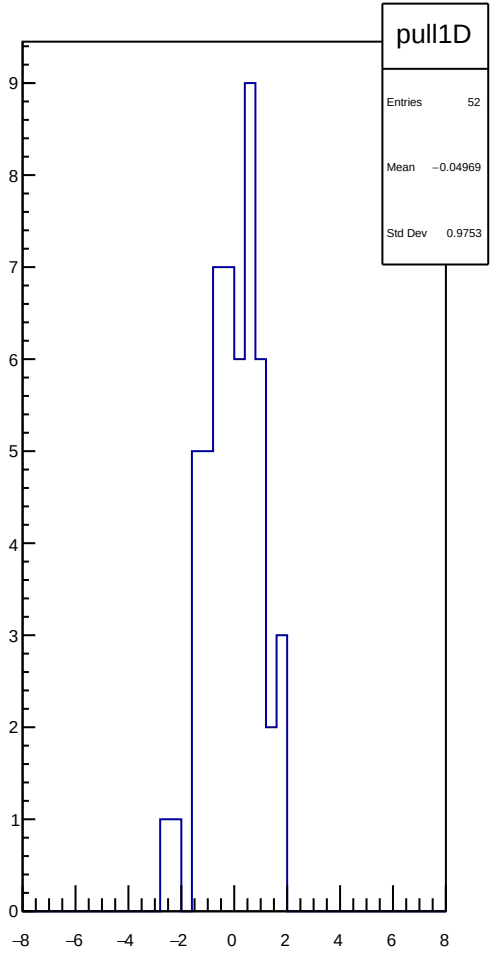
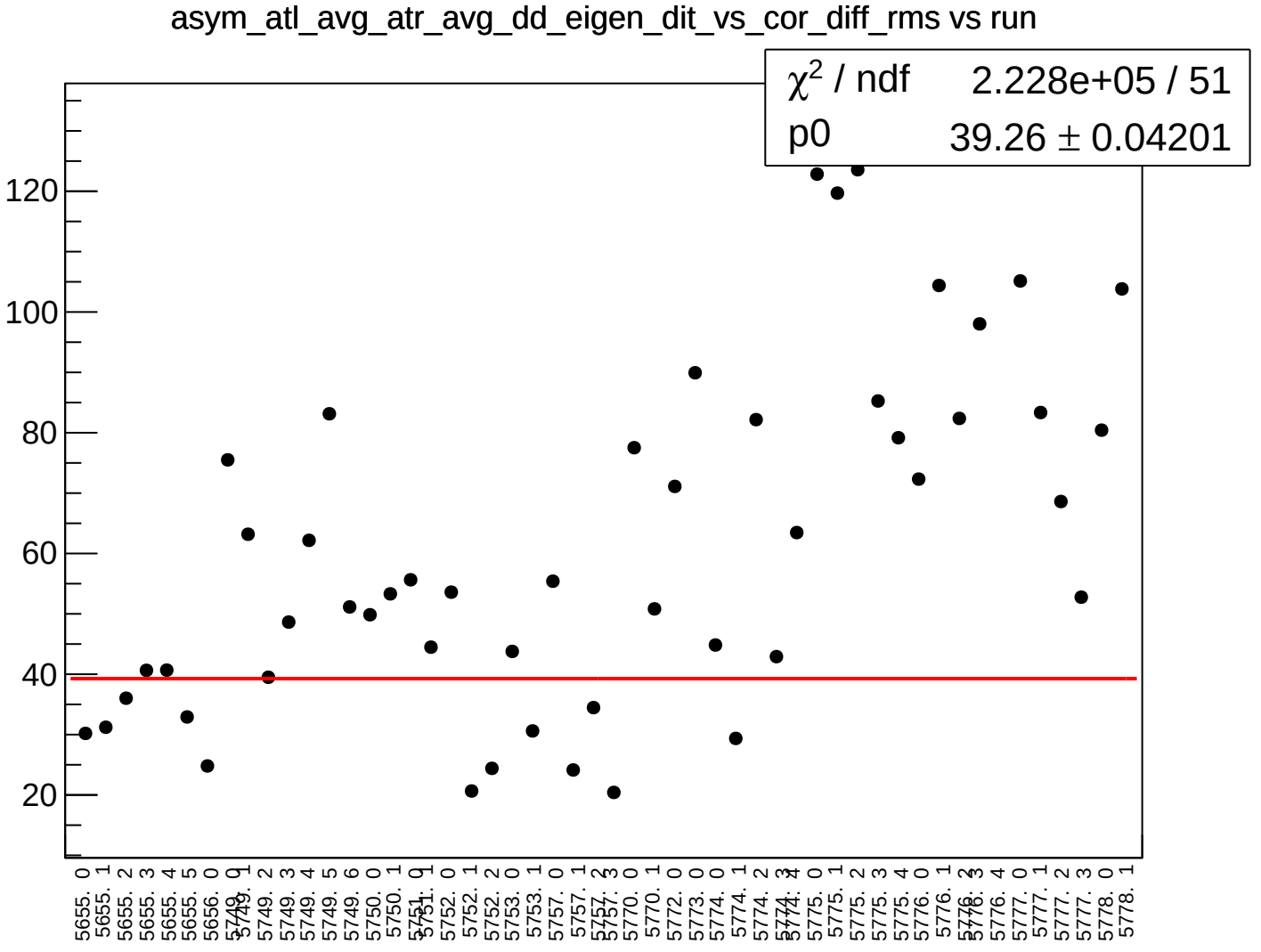
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.59 / 51
p0 0.1039 ± 0.05941
pull
Entries 52
Mean 52.95
Std Dev 0


pull1D
Entries 52
Mean −0.04969
Std Dev 0.9753


asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ2 / ndf 2.228e+05 / 51
p0 39.26 ± 0.04201
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
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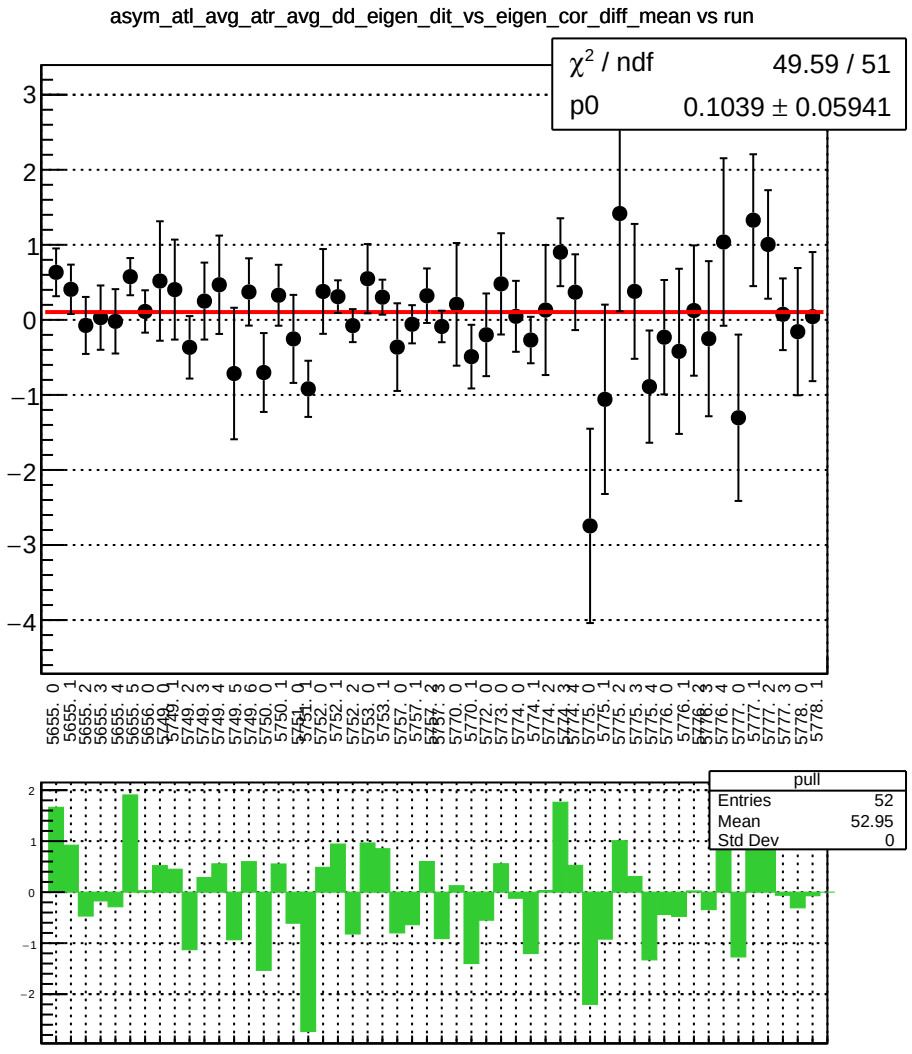
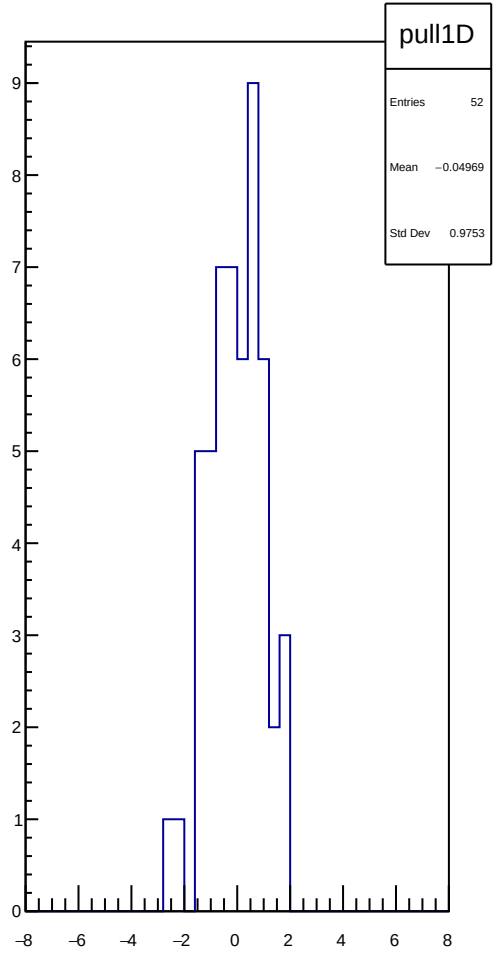
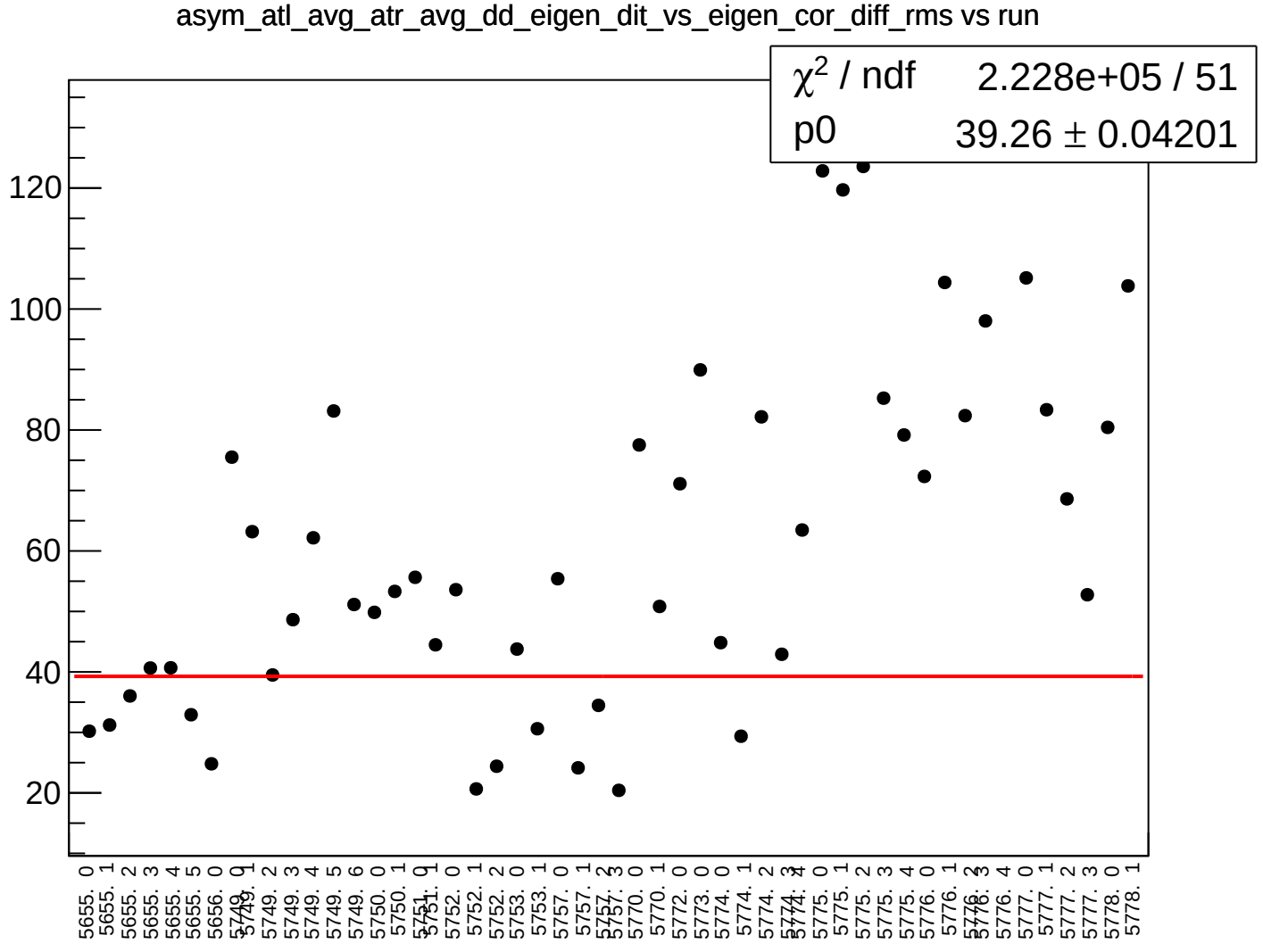
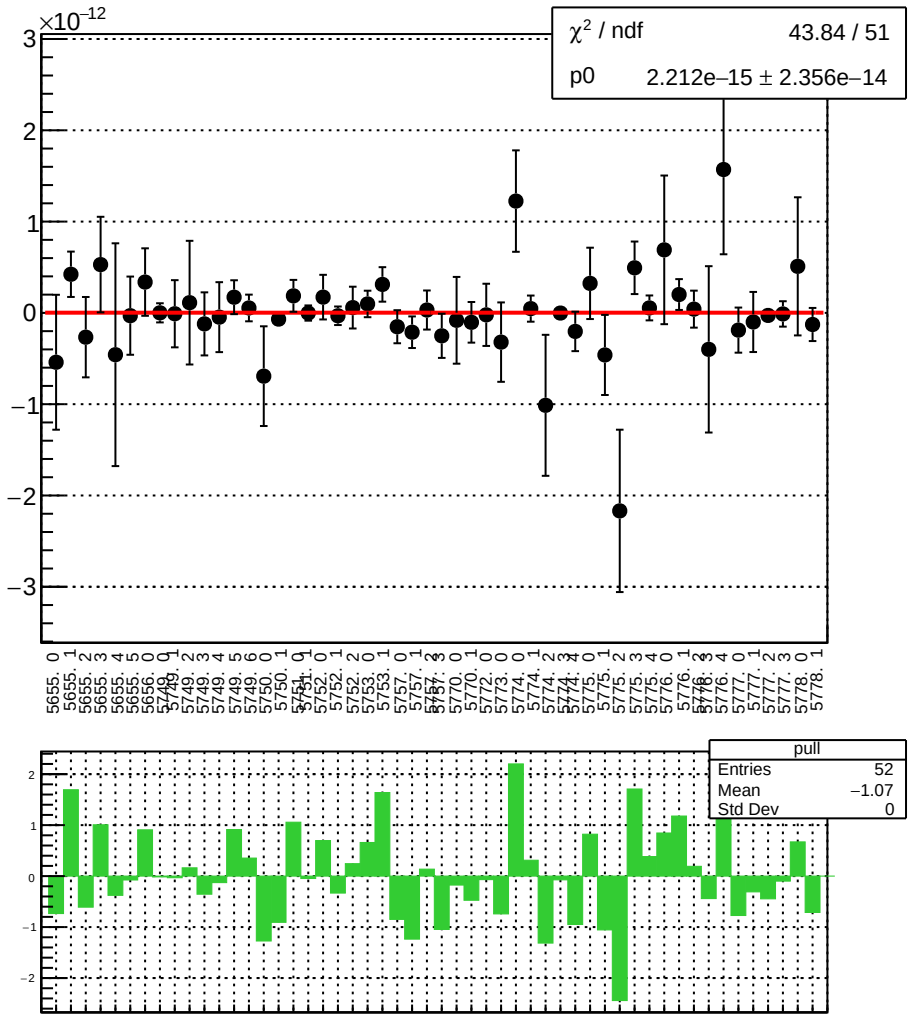
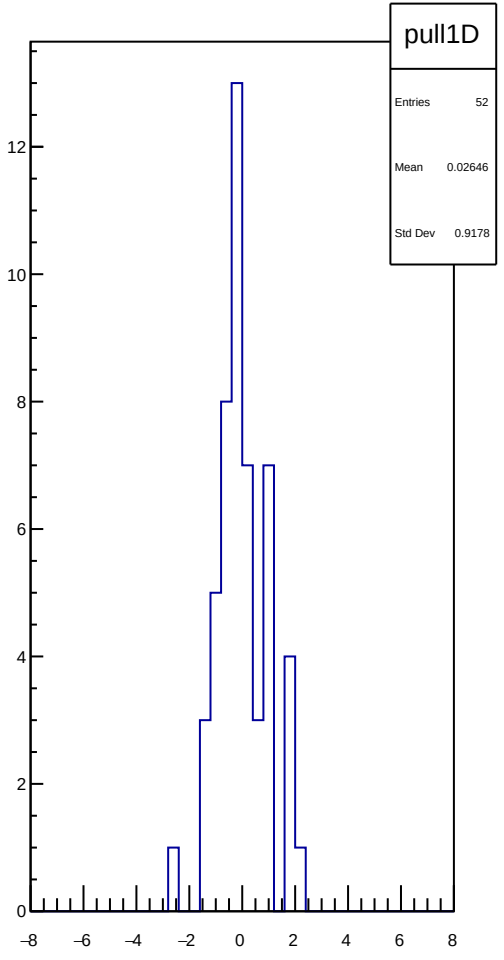
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

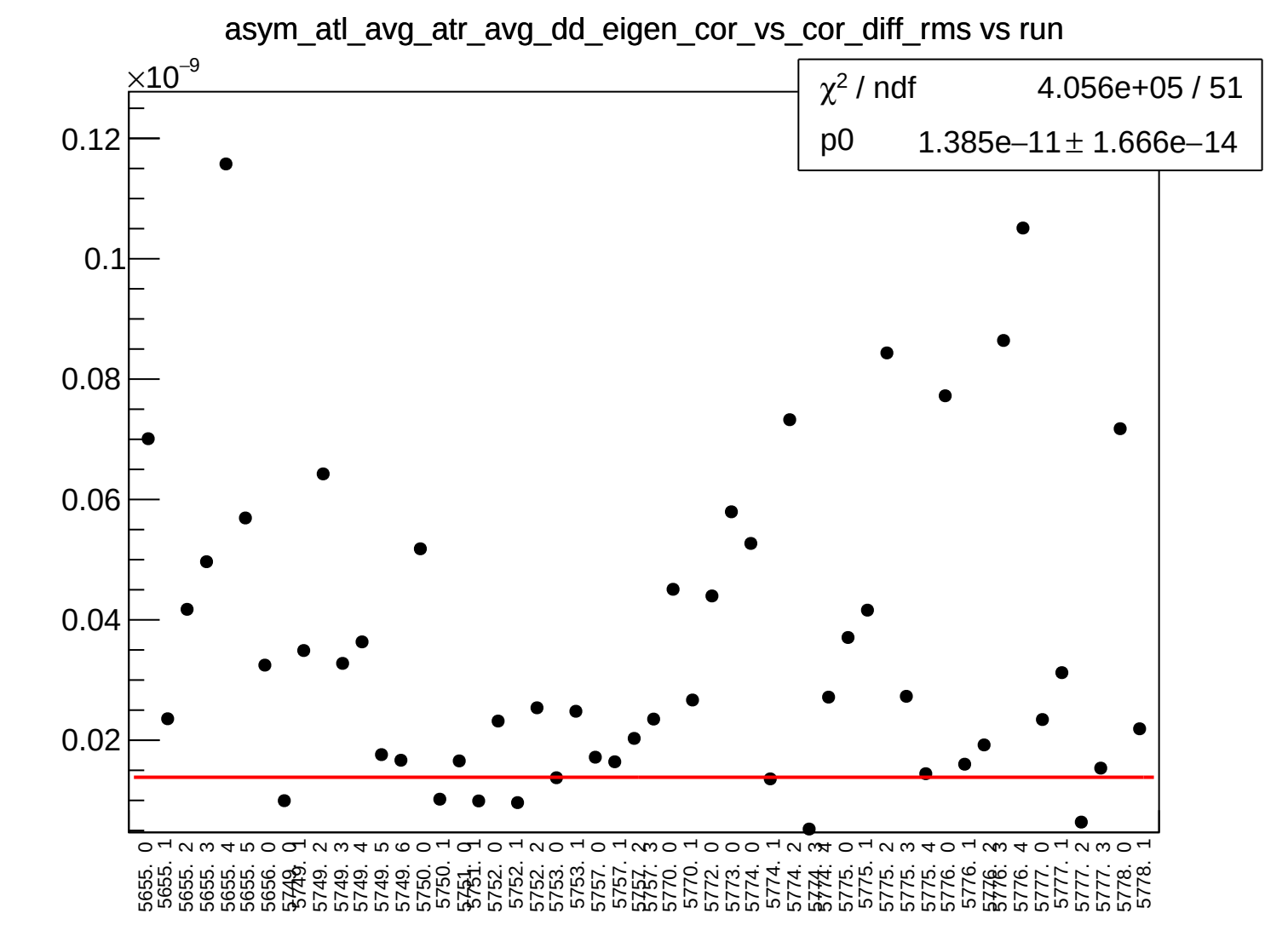

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.59 / 51
p0 0.1039 ± 0.05941
pull
Entries 52
Mean 52.95
Std Dev 0

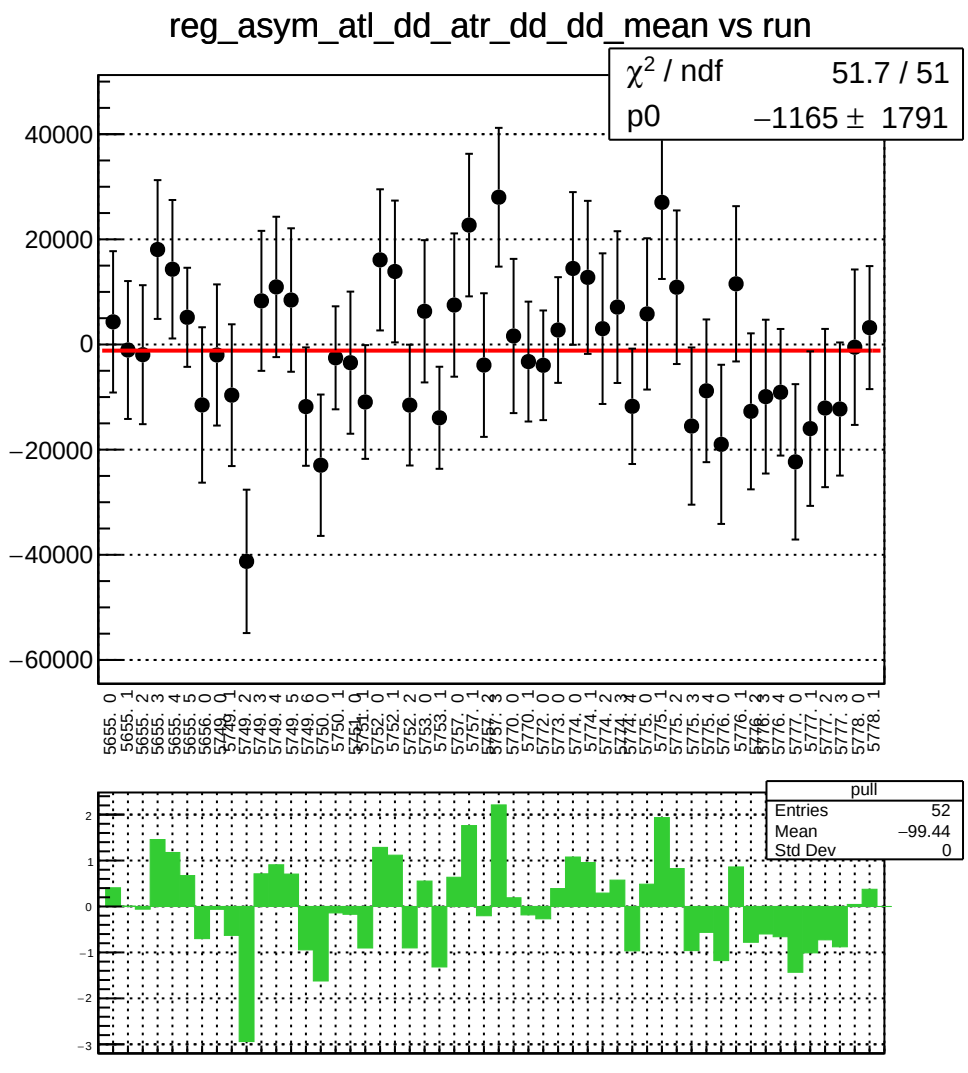

pull1D
Entries 52
Mean −0.04969
Std Dev 0.9753

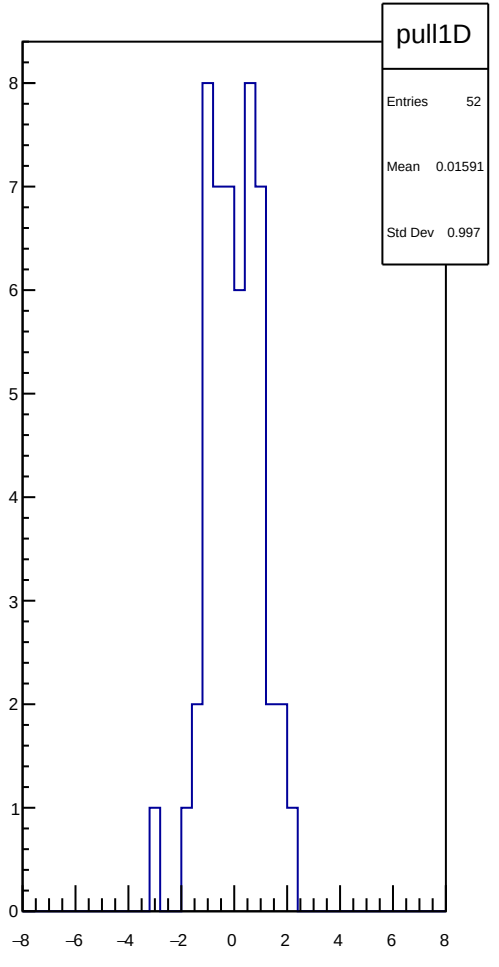

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 2.228e+05 / 51
p0 39.26 ± 0.04201
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

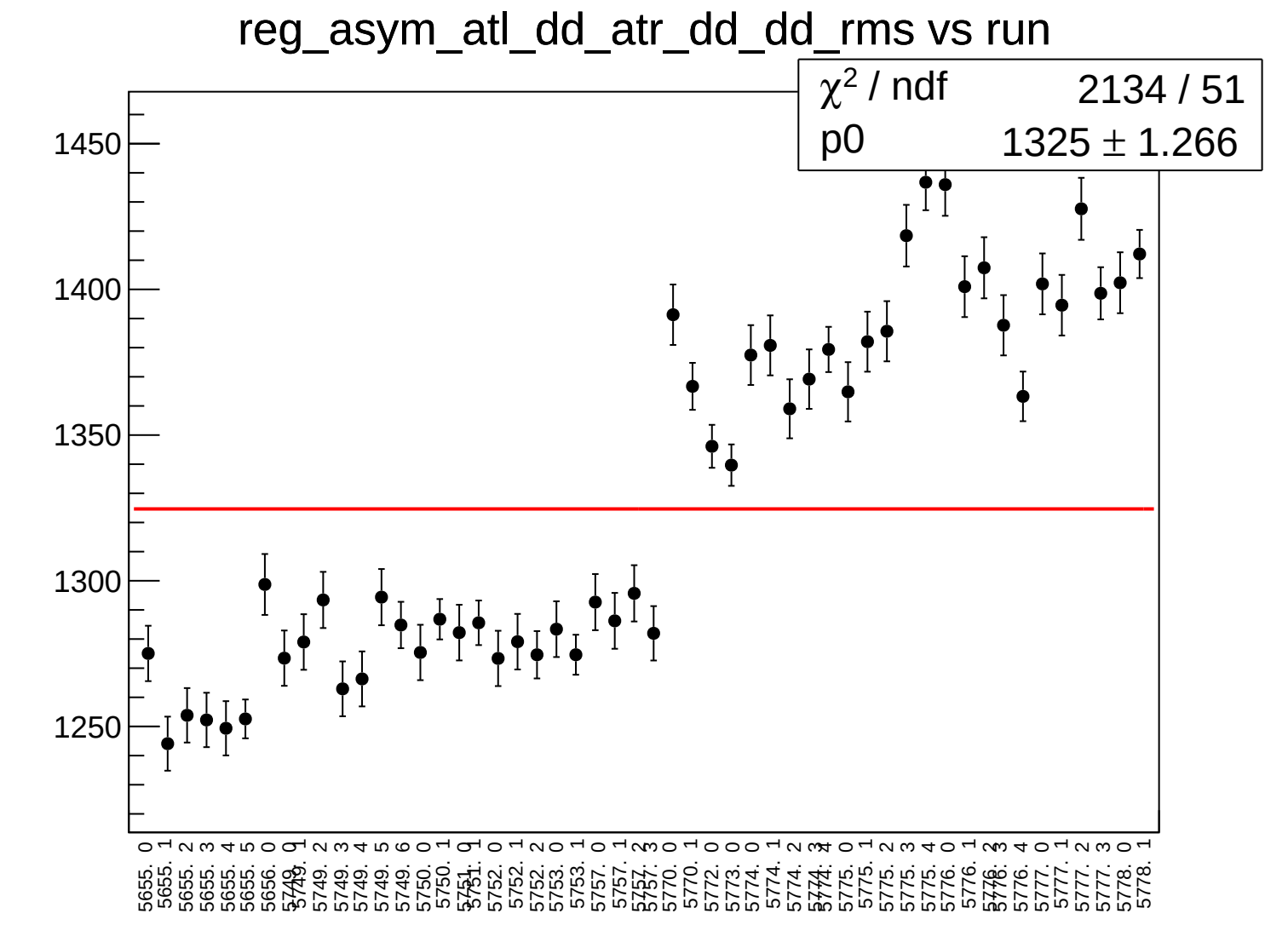

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 43.84 / 51
p0 2.212e−15 ± 2.356e−14
pull
Entries 52
Mean −1.07
Std Dev 0


pull1D
Entries 52
Mean 0.02646
Std Dev 0.9178


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.056e+05 / 51
p0 1.385e−11 ± 1.666e−14
0.12
0.1
0.08
0.06
0.04
0.02
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


reg_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 51.7 / 51
p0 −1165 ± 1791
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −99.44
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean 0.01591
Std Dev 0.997
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 2134 / 51
p0 1325 ± 1.266
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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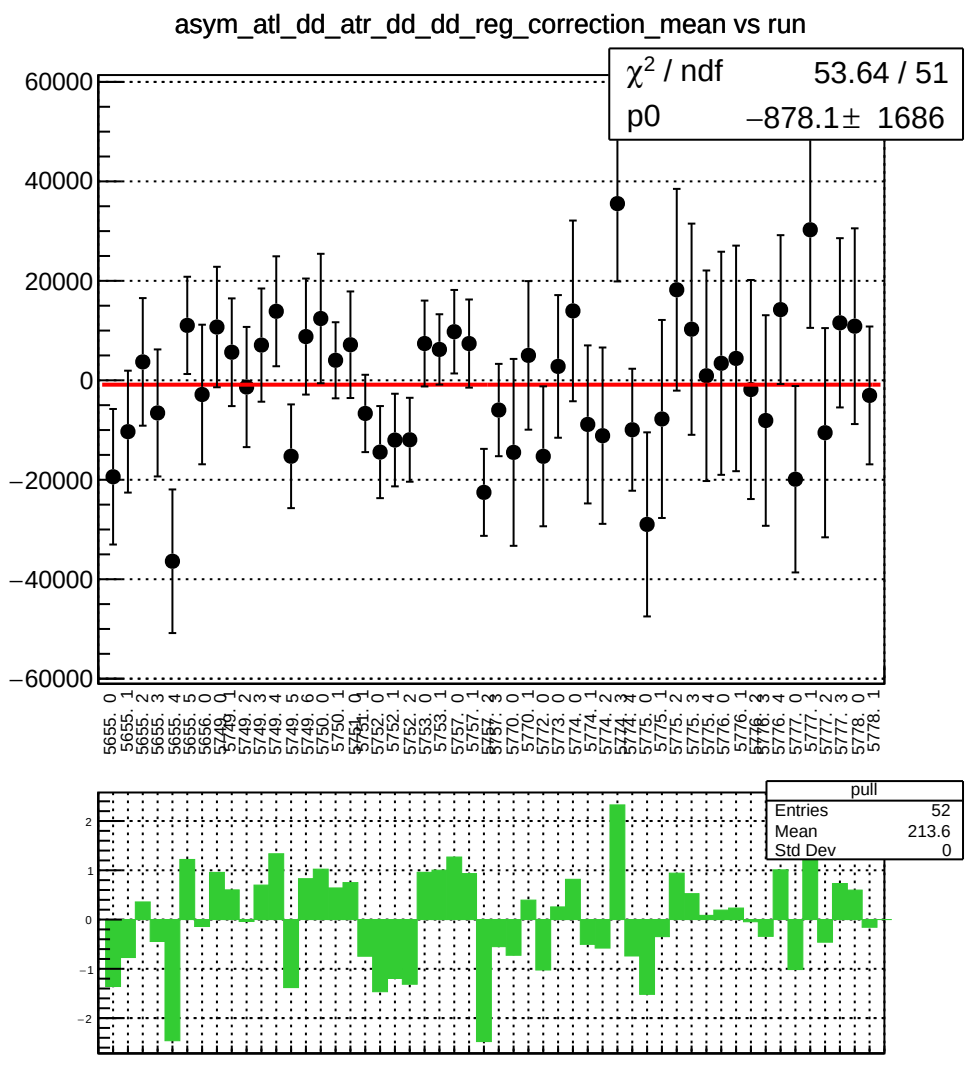
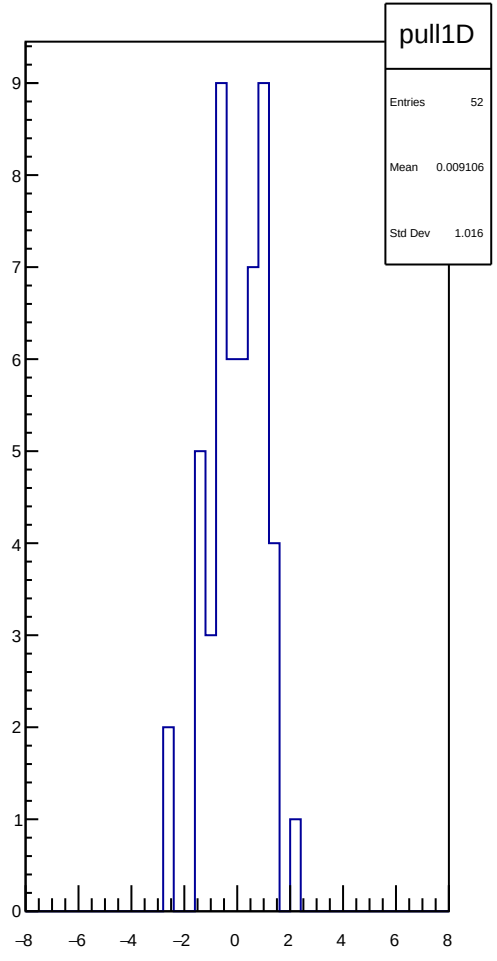
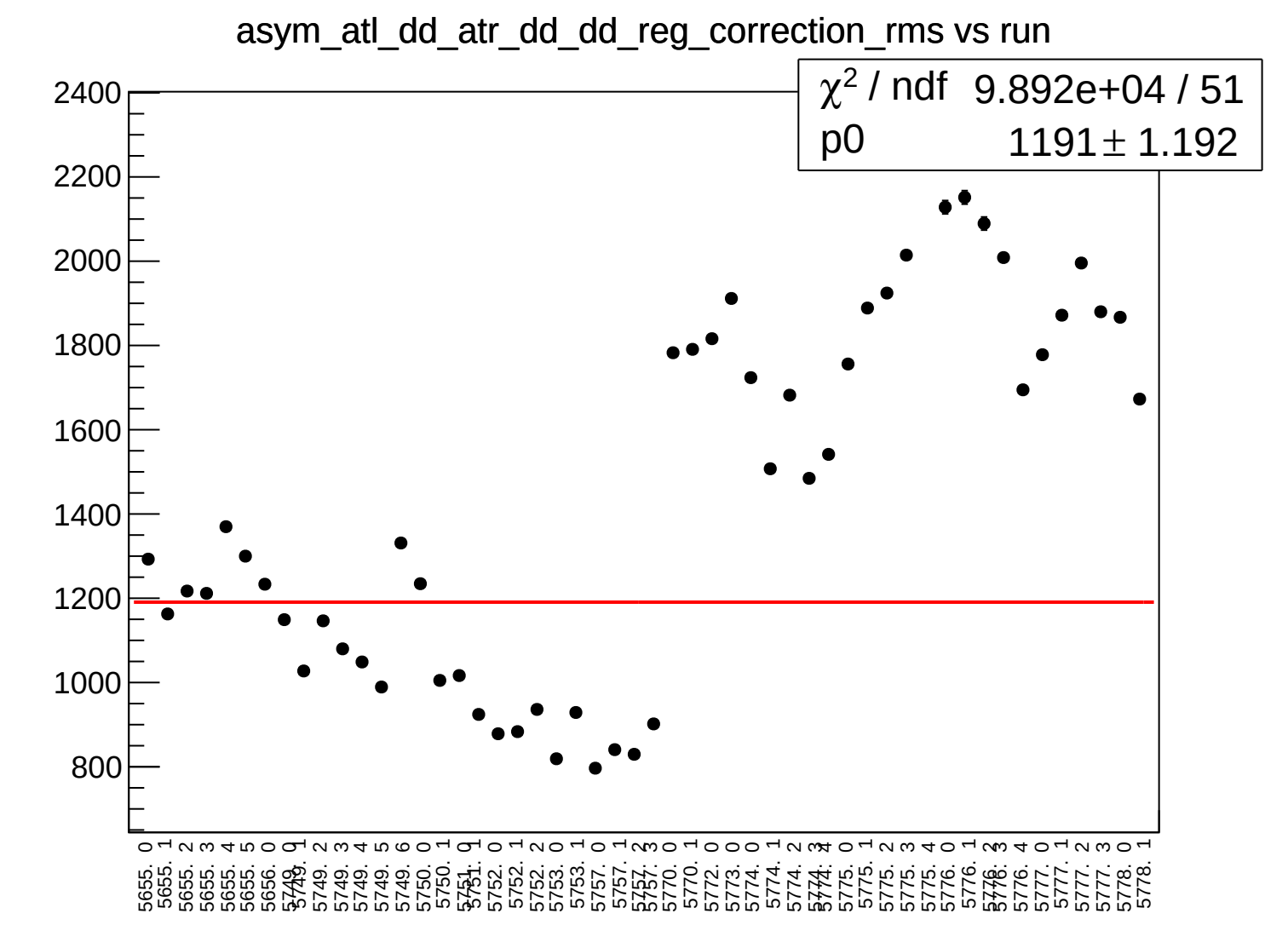
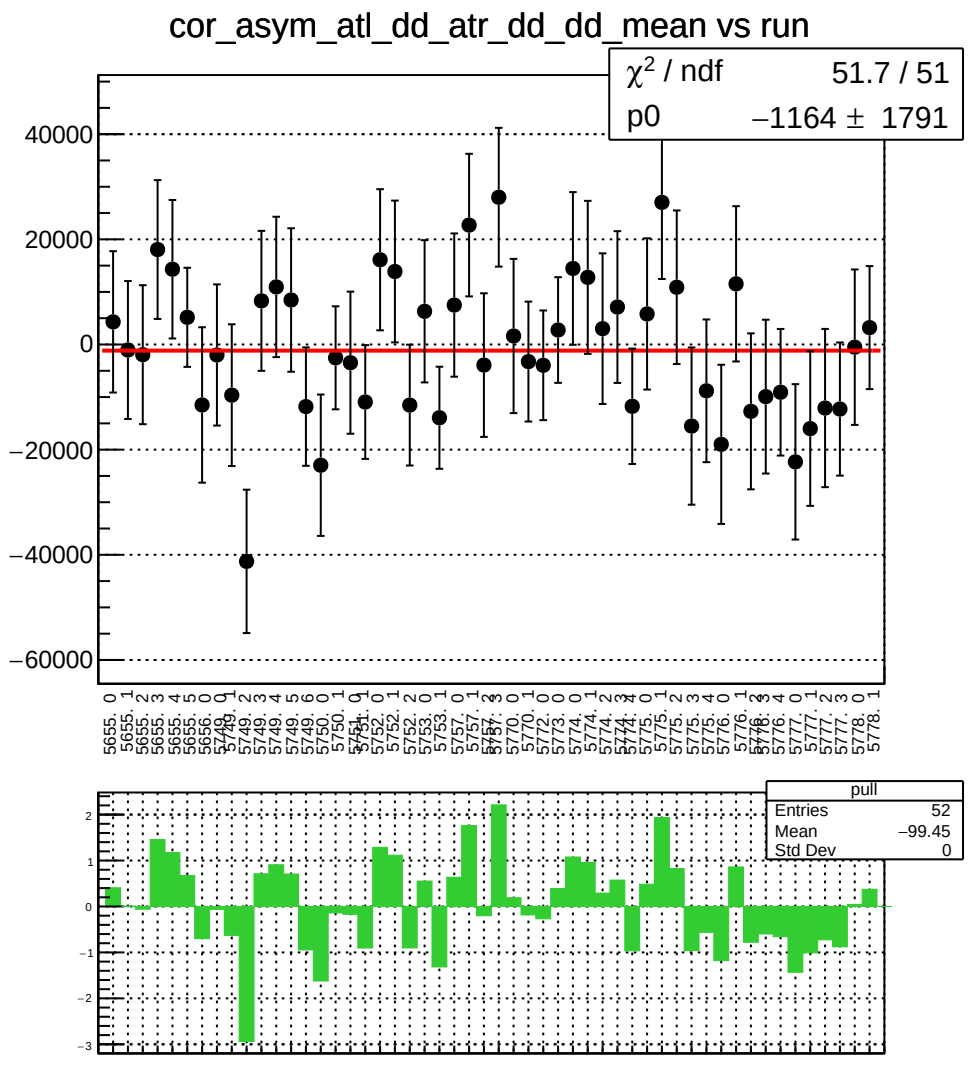
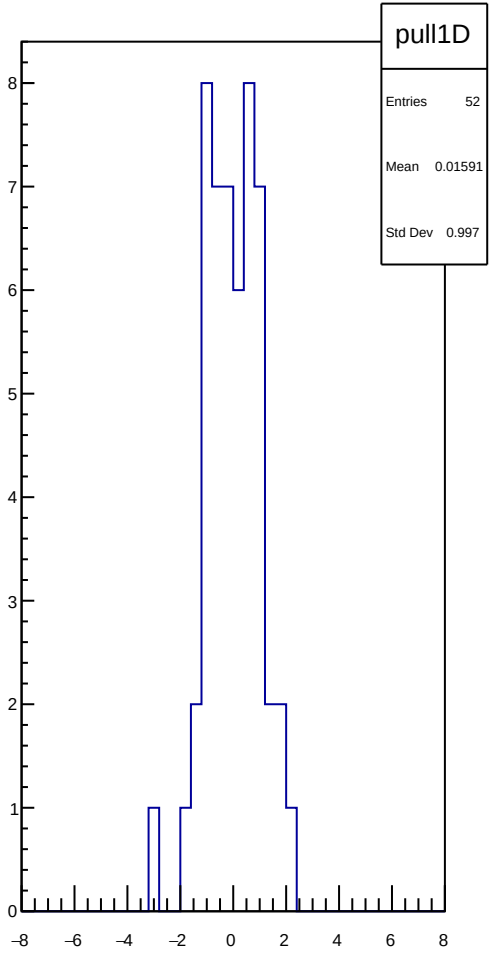
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

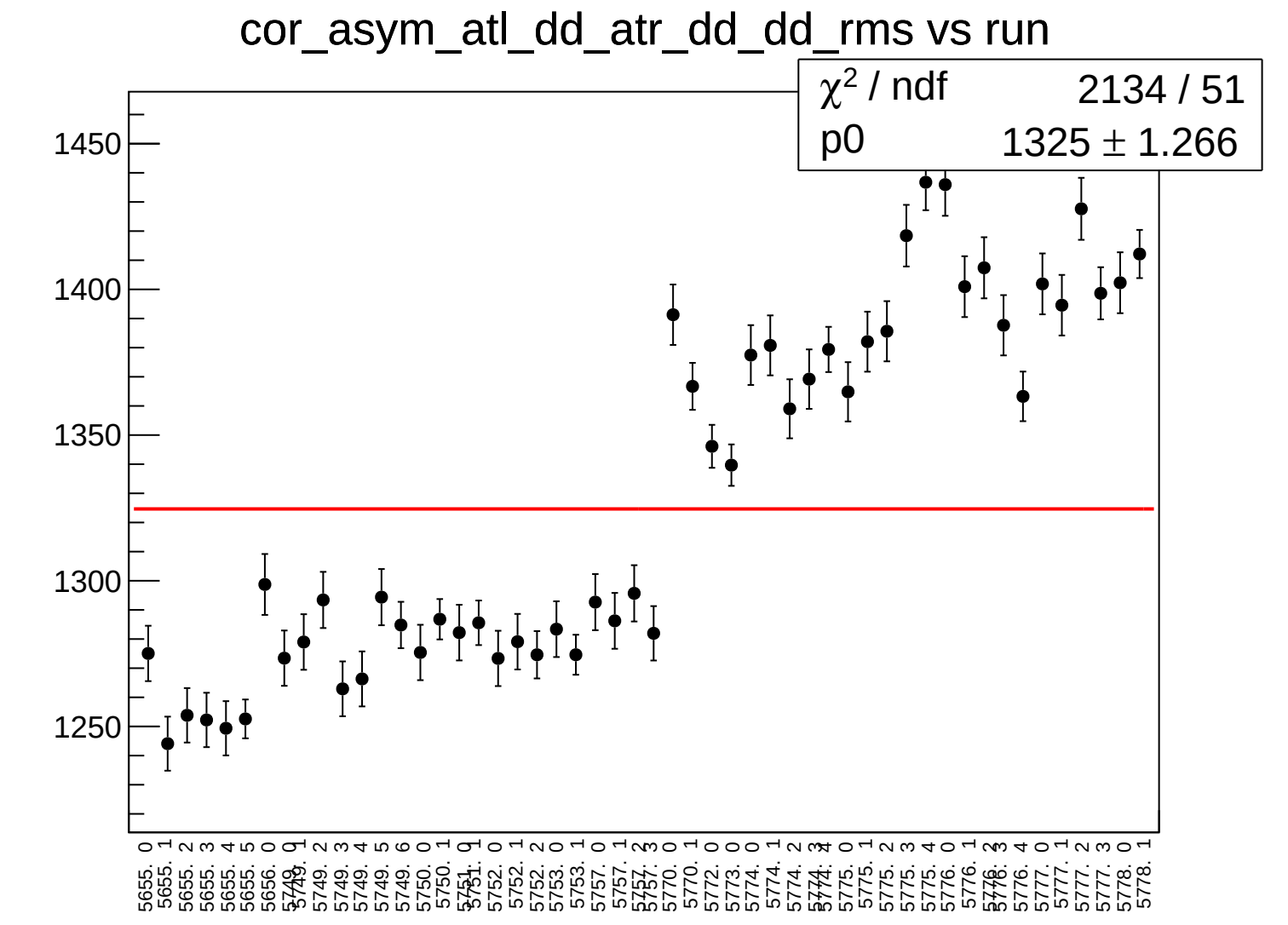

asym_atl_dd_atr_dd_dd_reg_correction_mean vs run
χ² / ndf 53.64 / 51
p0 −878.1± 1686
pull
Entries 52
Mean 213.6
Std Dev 0

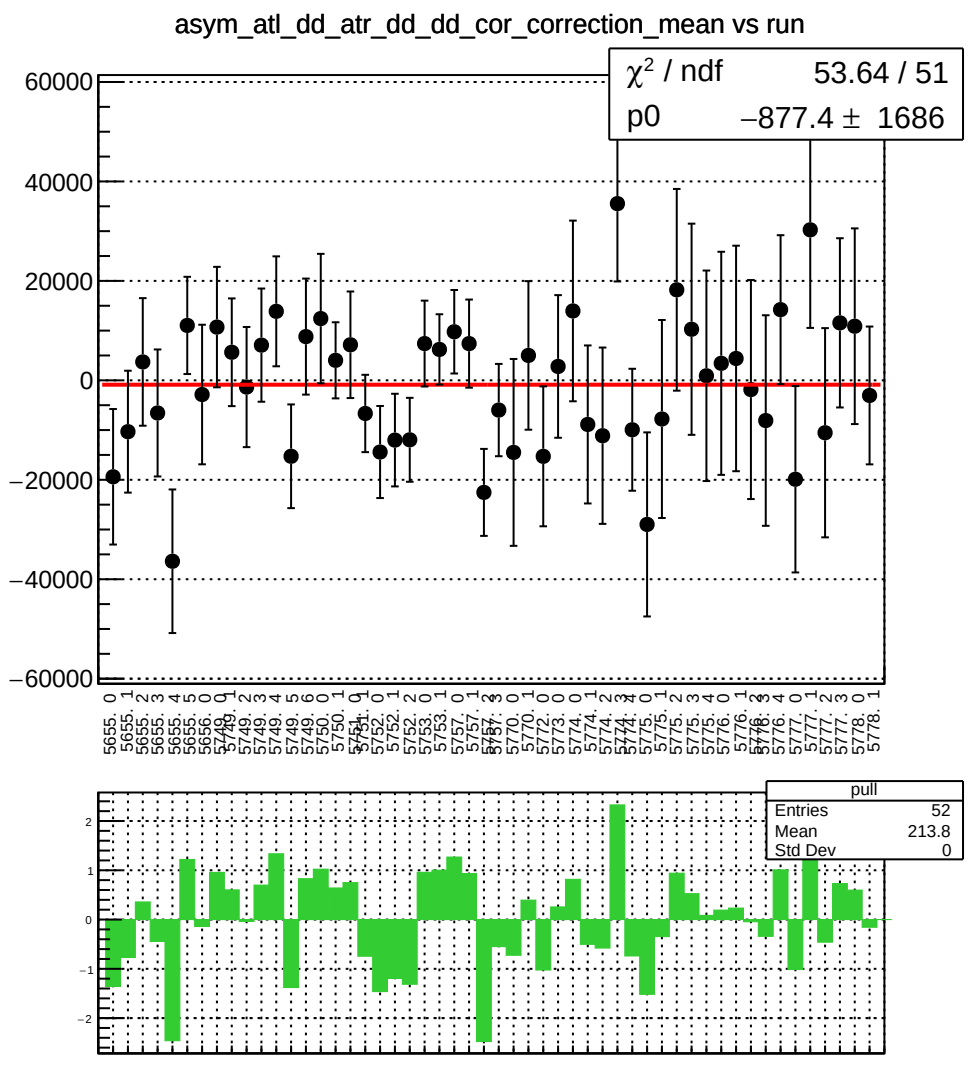

pull1D
Entries 52
Mean 0.009106
Std Dev 1.016

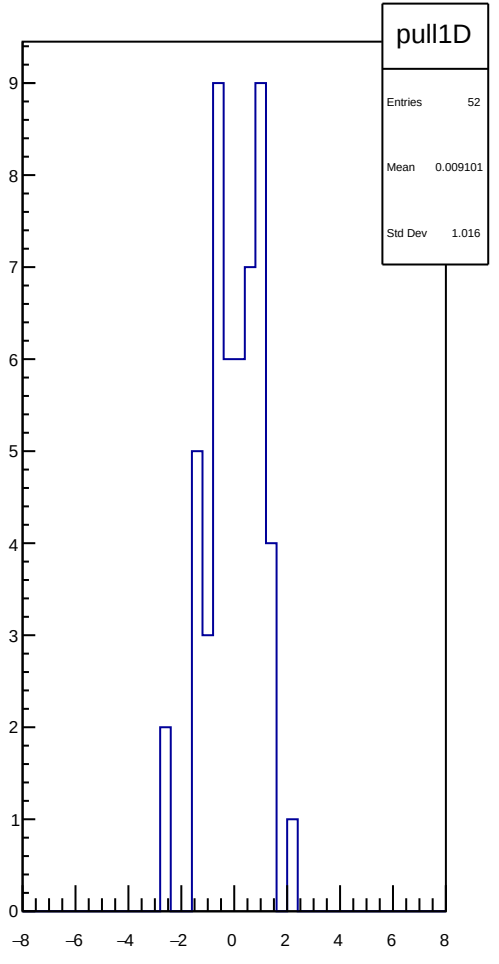

asym_atl_dd_atr_dd_dd_reg_correction_rms vs run
χ² / ndf 9.892e+04 / 51
p0 1191 ± 1.192
2400
2200
2000
1800
1600
1400
1200
1000
800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

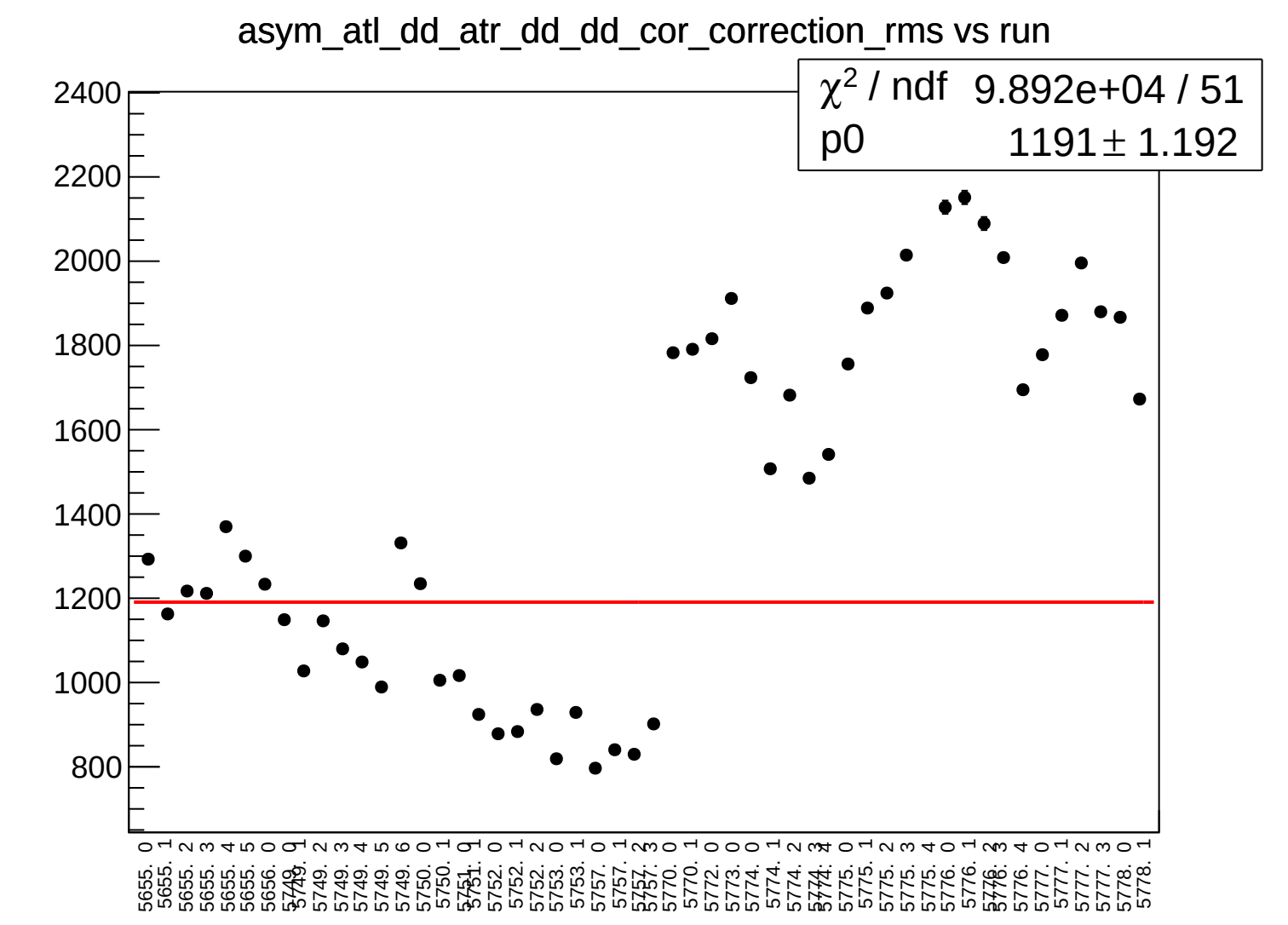

cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 51.7 / 51
p0 −1164 ± 1791
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −99.45
Std Dev 0
2
1
0
−1
−2
−3

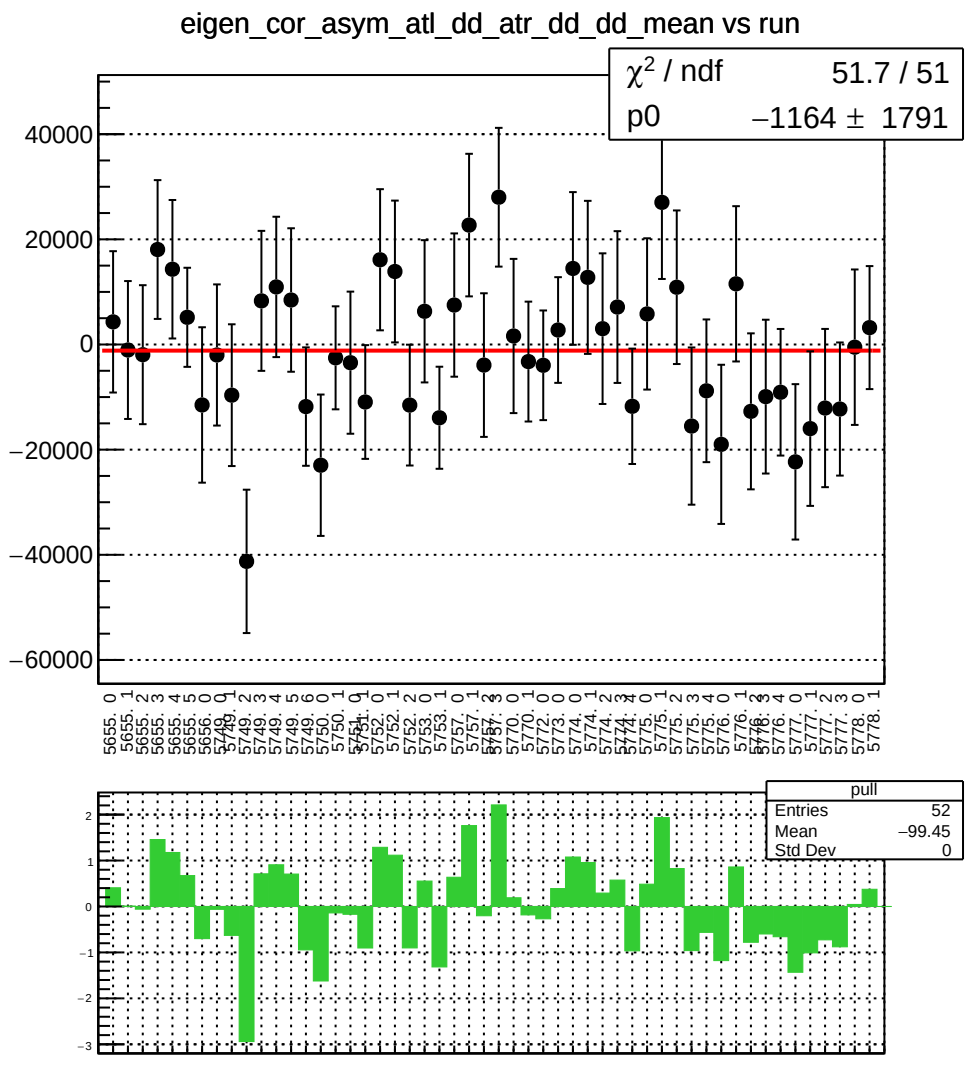

pull1D
Entries 52
Mean 0.01591
Std Dev 0.997
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

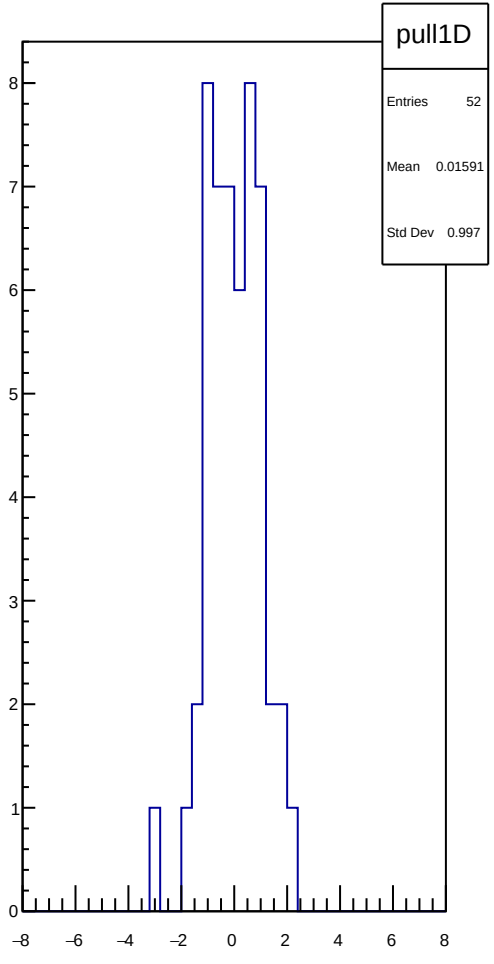

cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 2134 / 51
p0 1325 ± 1.266
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

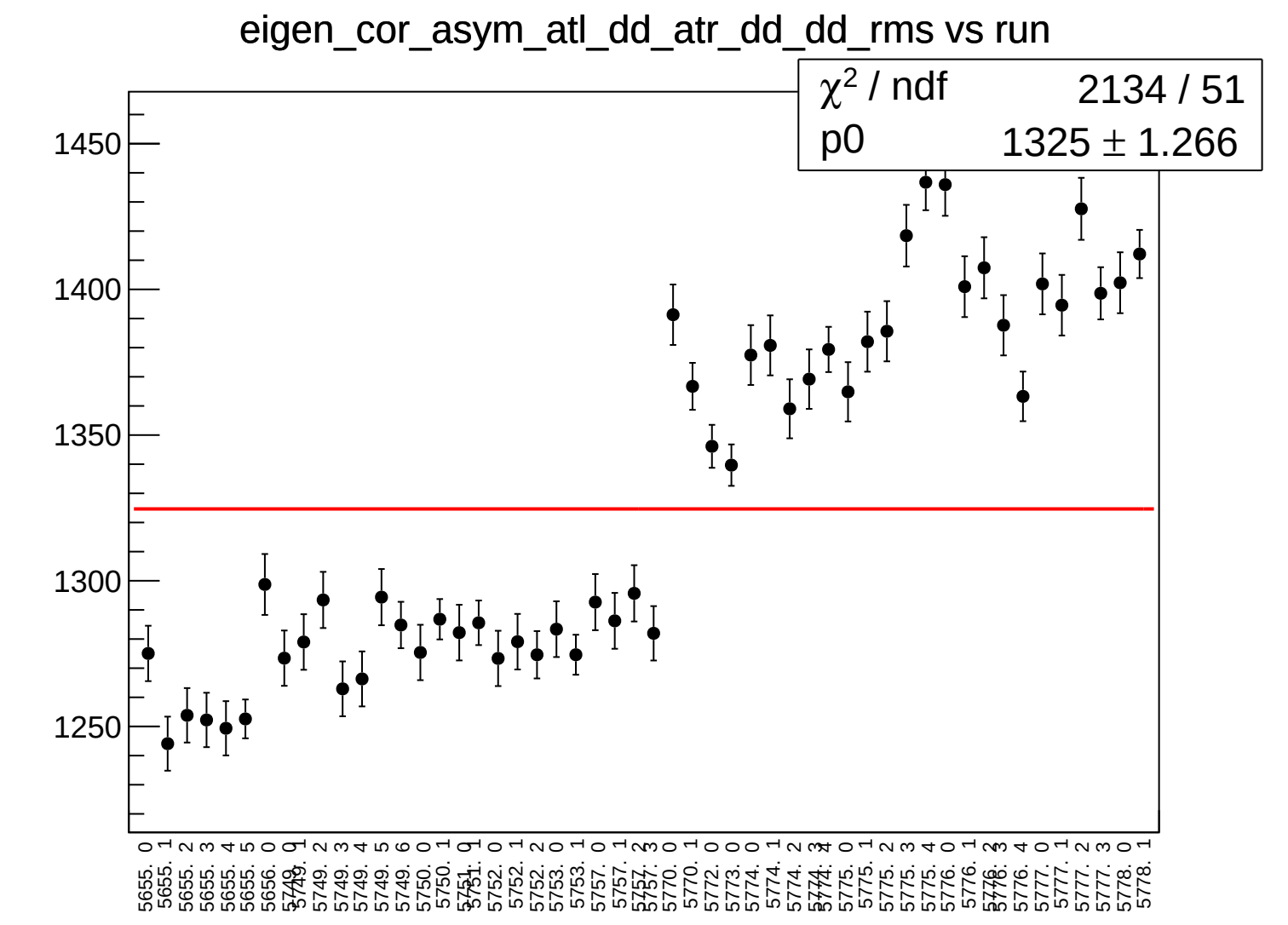

asym_atl_dd_atr_dd_dd_cor_correction_mean vs run
χ² / ndf 53.64 / 51
p0 −877.4 ± 1686
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 213.8
Std Dev 0
2
1
0
−1
−2

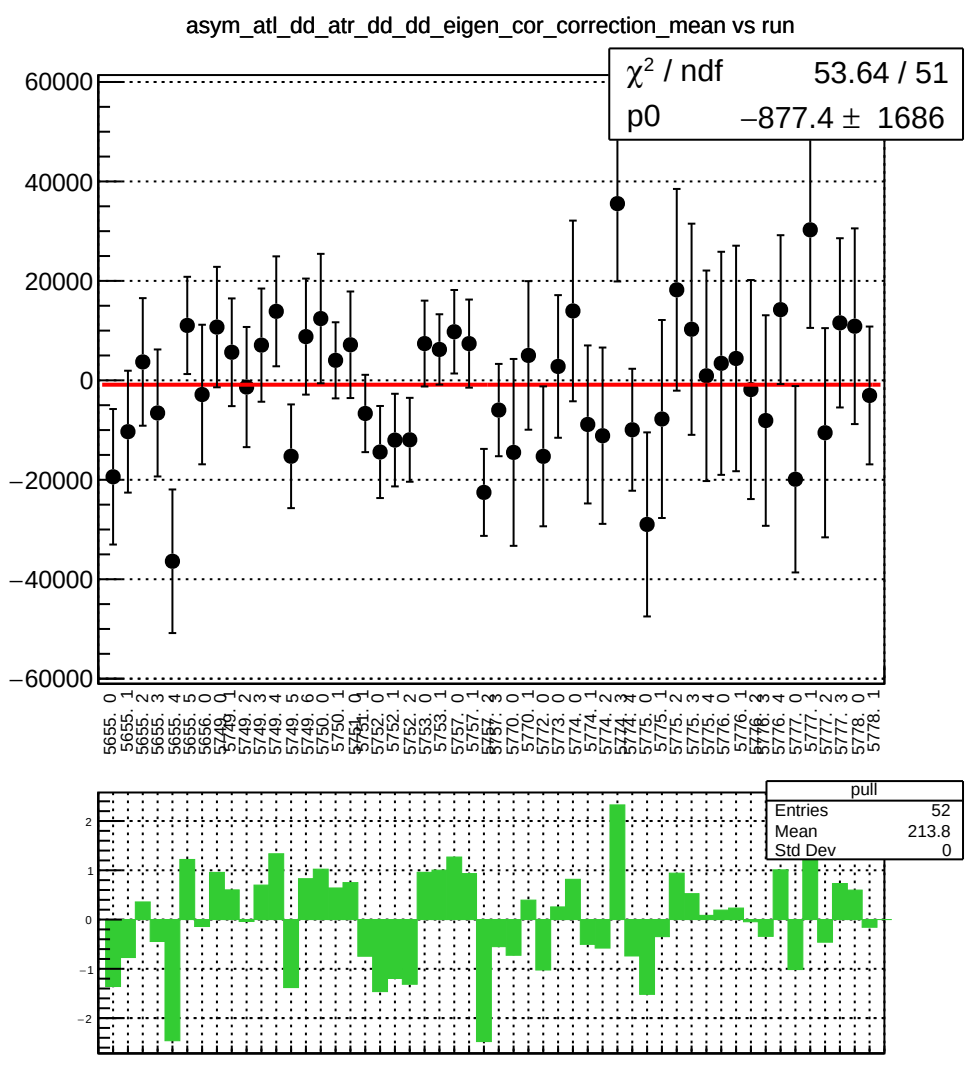

pull1D
Entries 52
Mean 0.009101
Std Dev 1.016
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

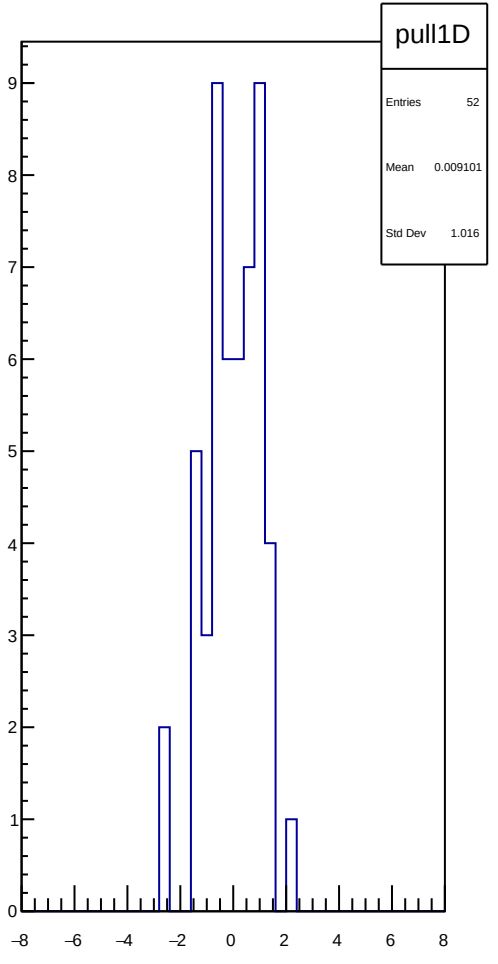

asym_atl_dd_atr_dd_dd_cor_correction_rms vs run
χ² / ndf 9.892e+04 / 51
p0 1191 ± 1.192
2400
2200
2000
1800
1600
1400
1200
1000
800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

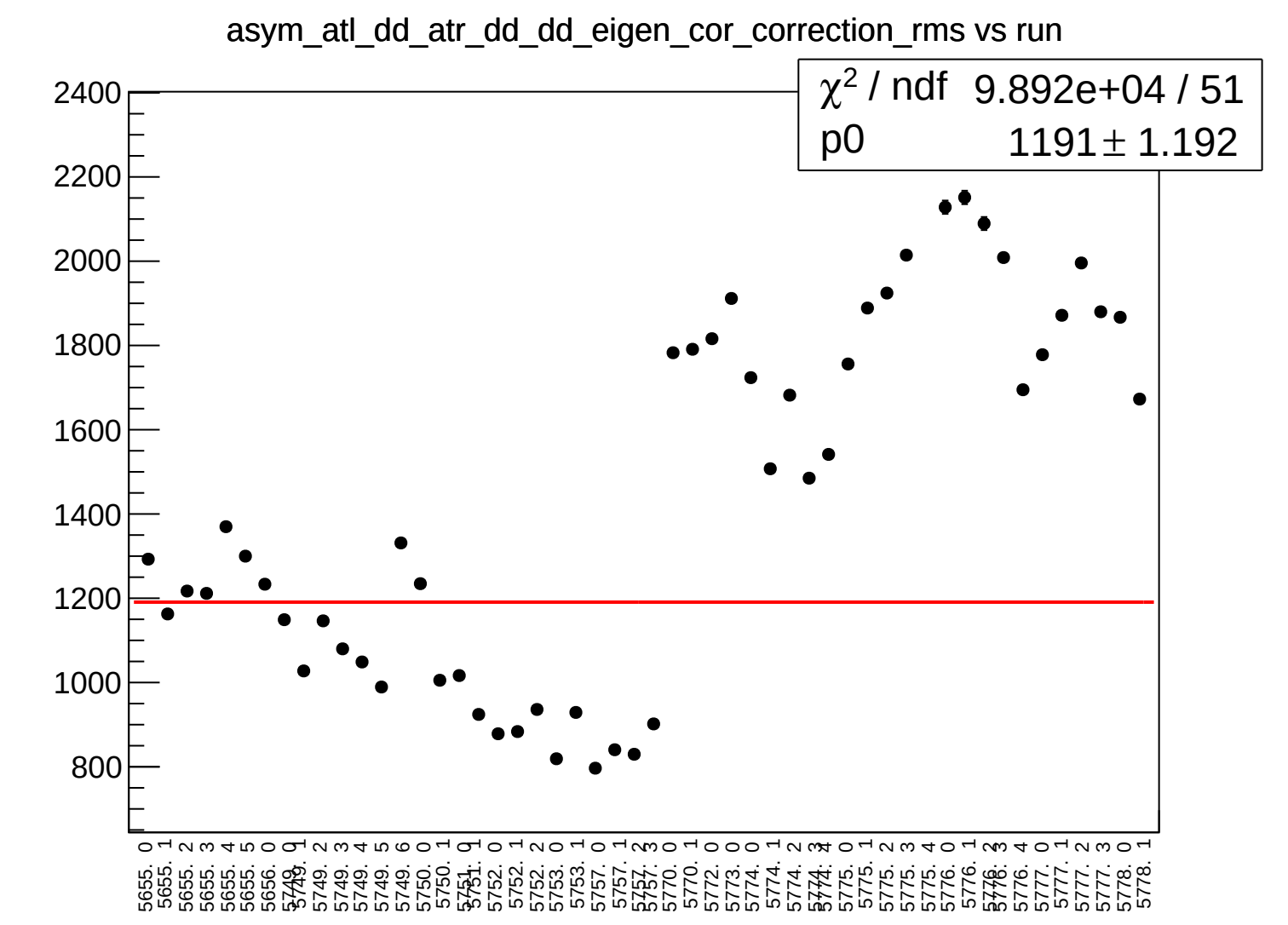

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 51.7 / 51
p0 −1164 ± 1791
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −99.45
Std Dev 0
2
1
0
−1
−2
−3

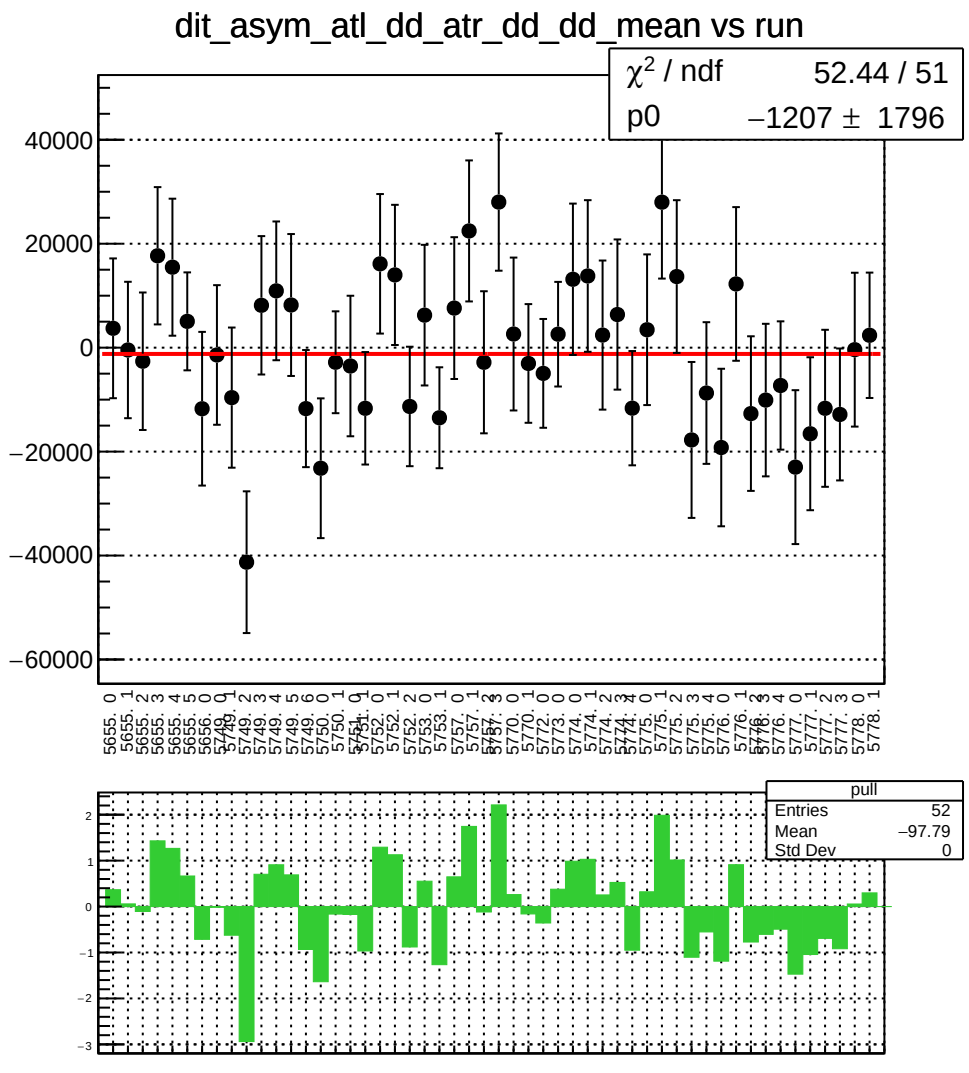

pull1D
Entries 52
Mean 0.01591
Std Dev 0.997
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

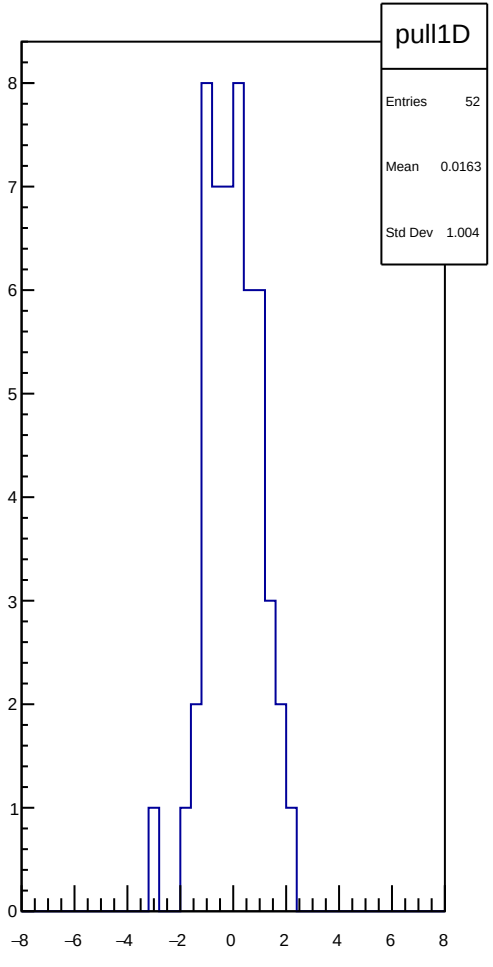

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 2134 / 51
p0 1325 ± 1.266
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

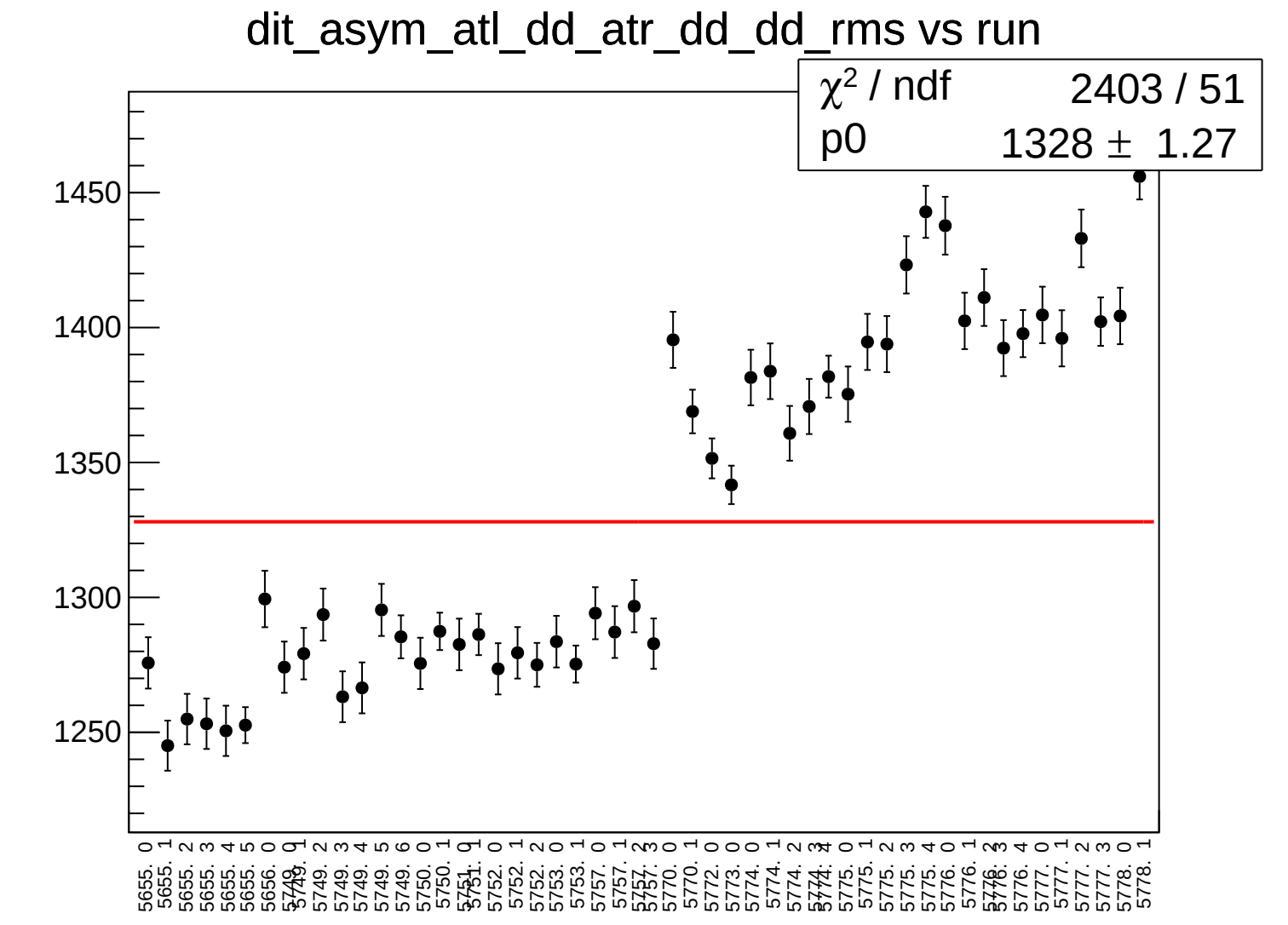

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 53.64 / 51
p0 −877.4 ± 1686
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 213.8
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.009101
Std Dev 1.016
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 9.892e+04 / 51
p0 1191 ± 1.192
2400
2200
2000
1800
1600
1400
1200
1000
800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 52.44 / 51
p0 −1207 ± 1796
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −97.79
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean 0.0163
Std Dev 1.004
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 2403 / 51
p0 1328 ± 1.27
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
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5752. 0
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5753. 1
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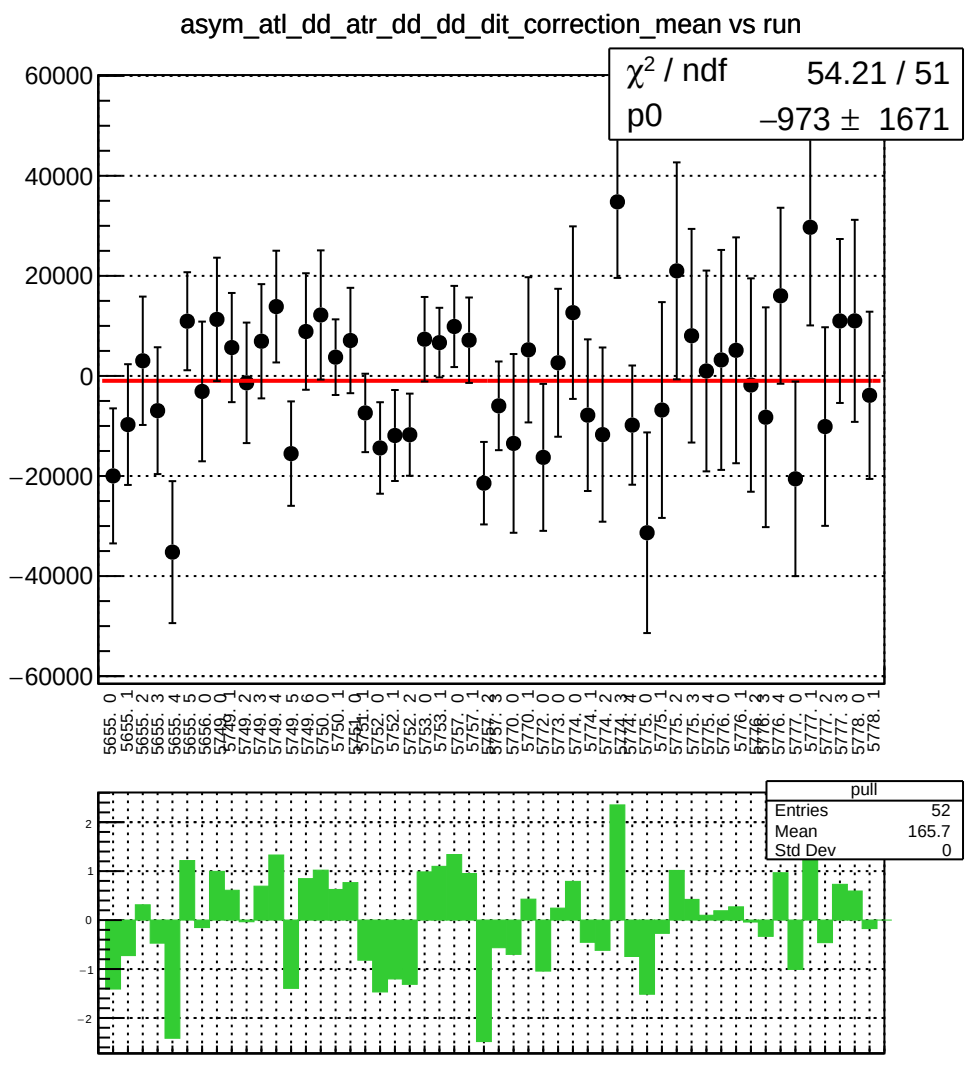
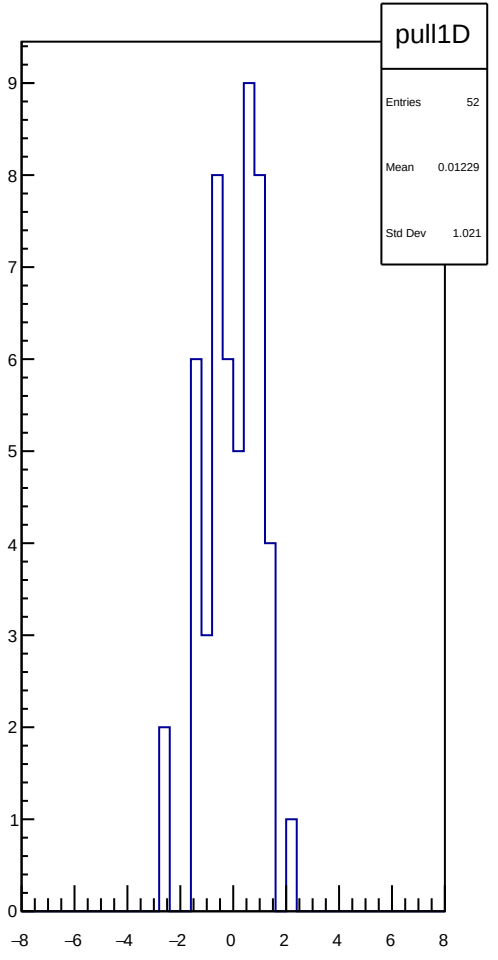
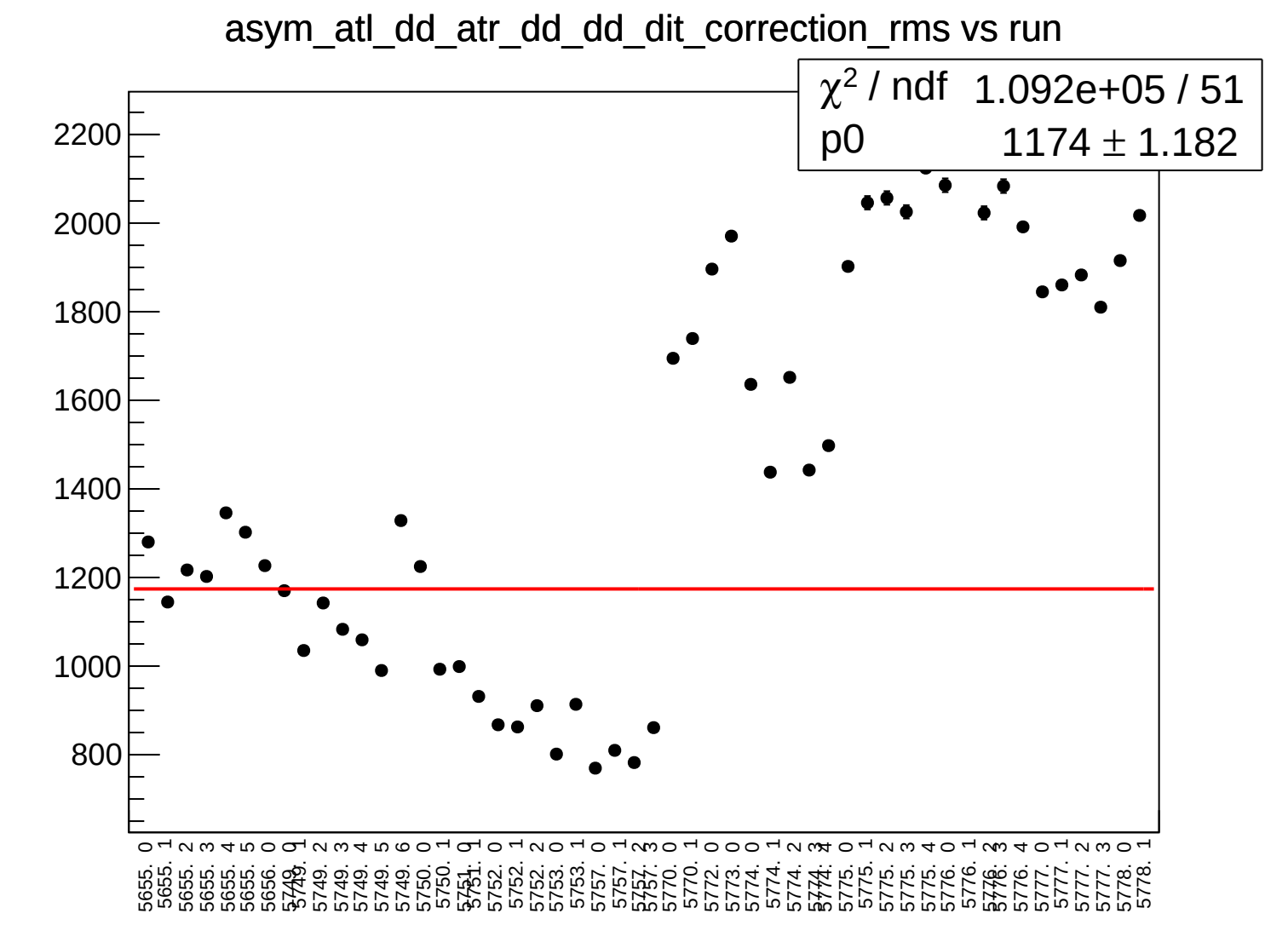
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl_dd_atr_dd_dd_dit_correction_mean vs run
χ² / ndf 54.21 / 51
p0 −973 ± 1671
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 165.7
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01229
Std Dev 1.021
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_dd_dit_correction_rms vs run
χ² / ndf 1.092e+05 / 51
p0 1174 ± 1.182
2200
2000
1800
1600
1400
1200
1000
800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
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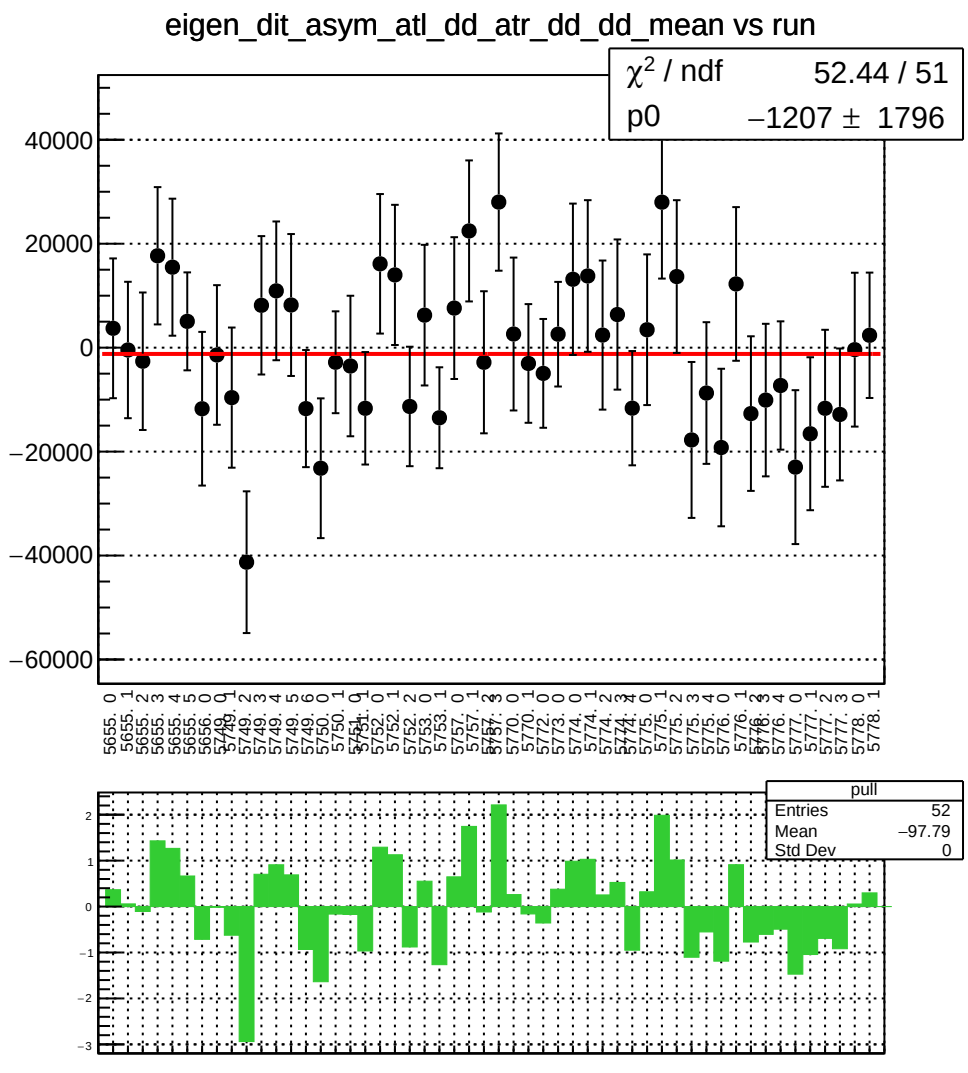
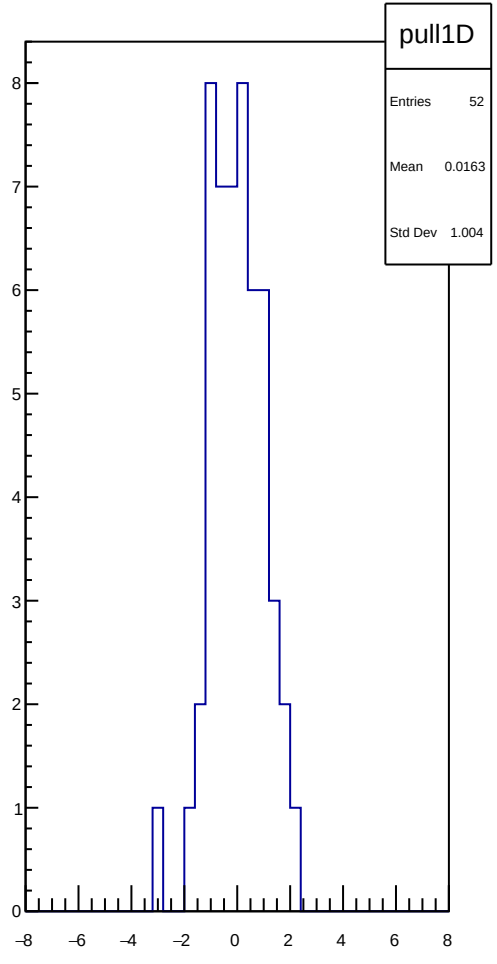
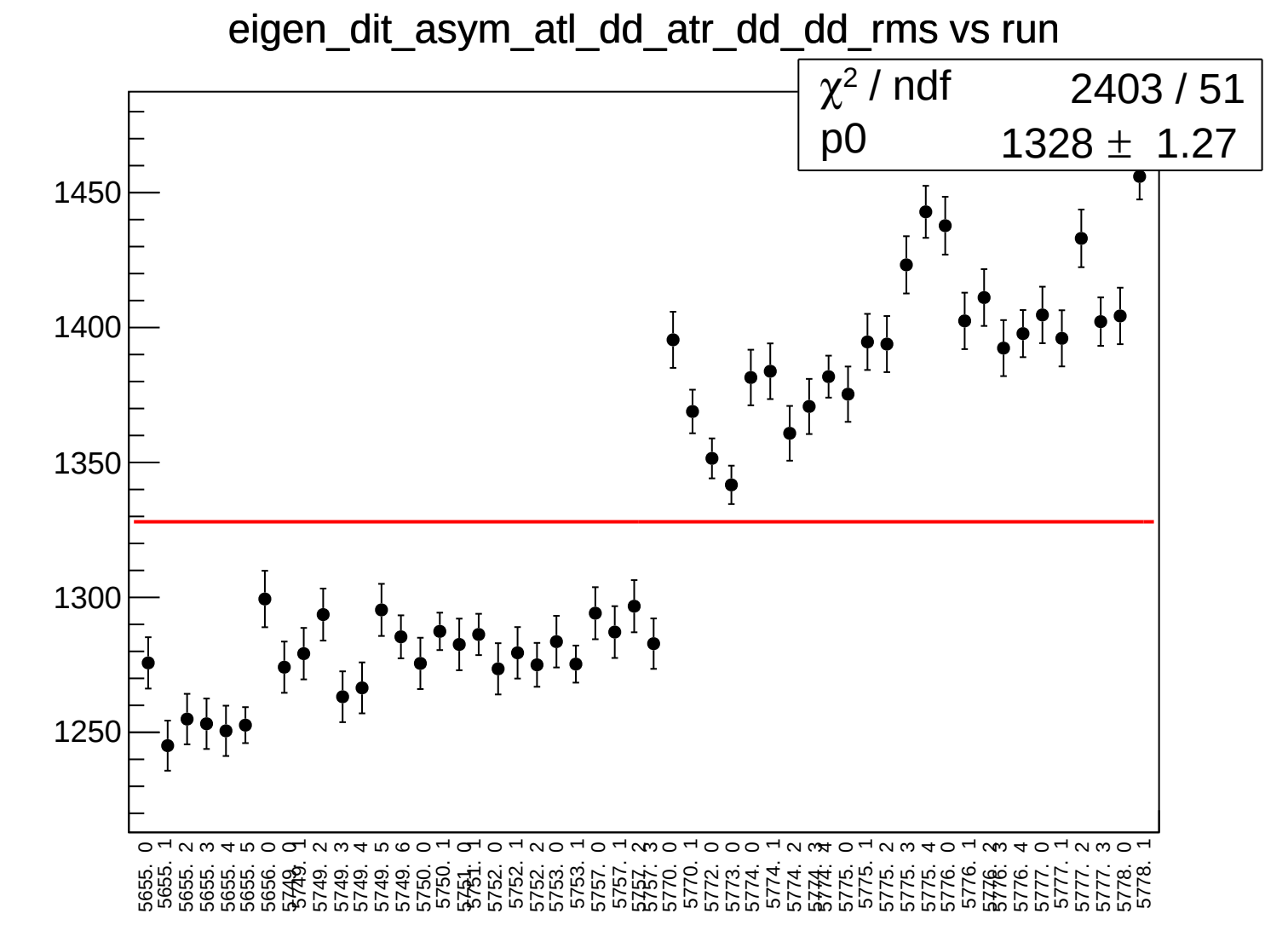
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 52.44 / 51
p0 −1207 ± 1796
pull
Entries 52
Mean −97.79
Std Dev 0


pull1D
Entries 52
Mean 0.0163
Std Dev 1.004


eigen_dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 2403 / 51
p0 1328 ± 1.27
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
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5749. 4
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5774. 3
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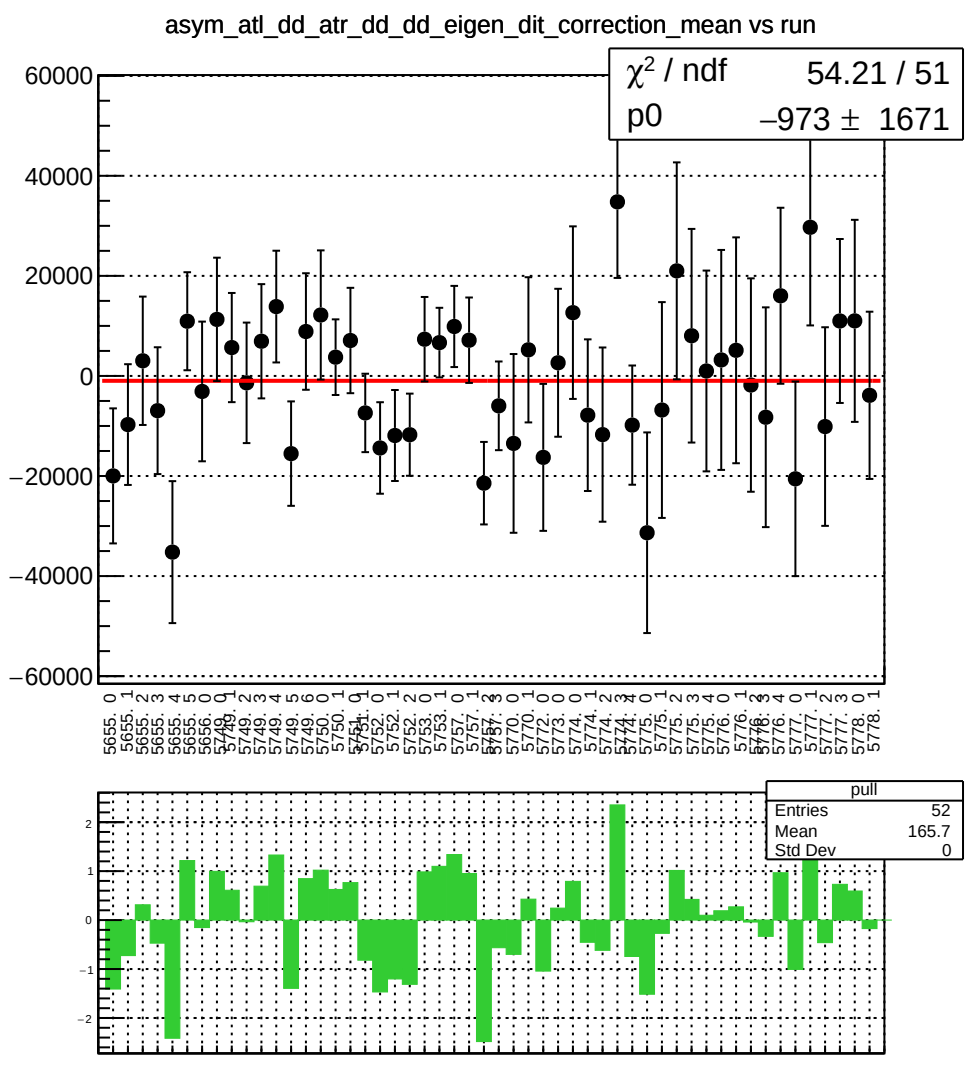
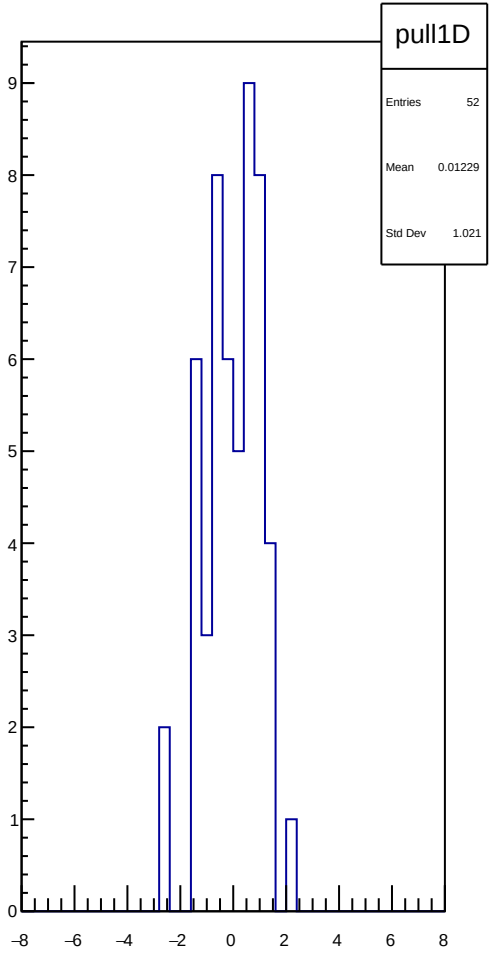

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 54.21 / 51
p0 −973 ± 1671
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 165.7
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01229
Std Dev 1.021
9
8
7
6
5
4
3
2
1
0
−8
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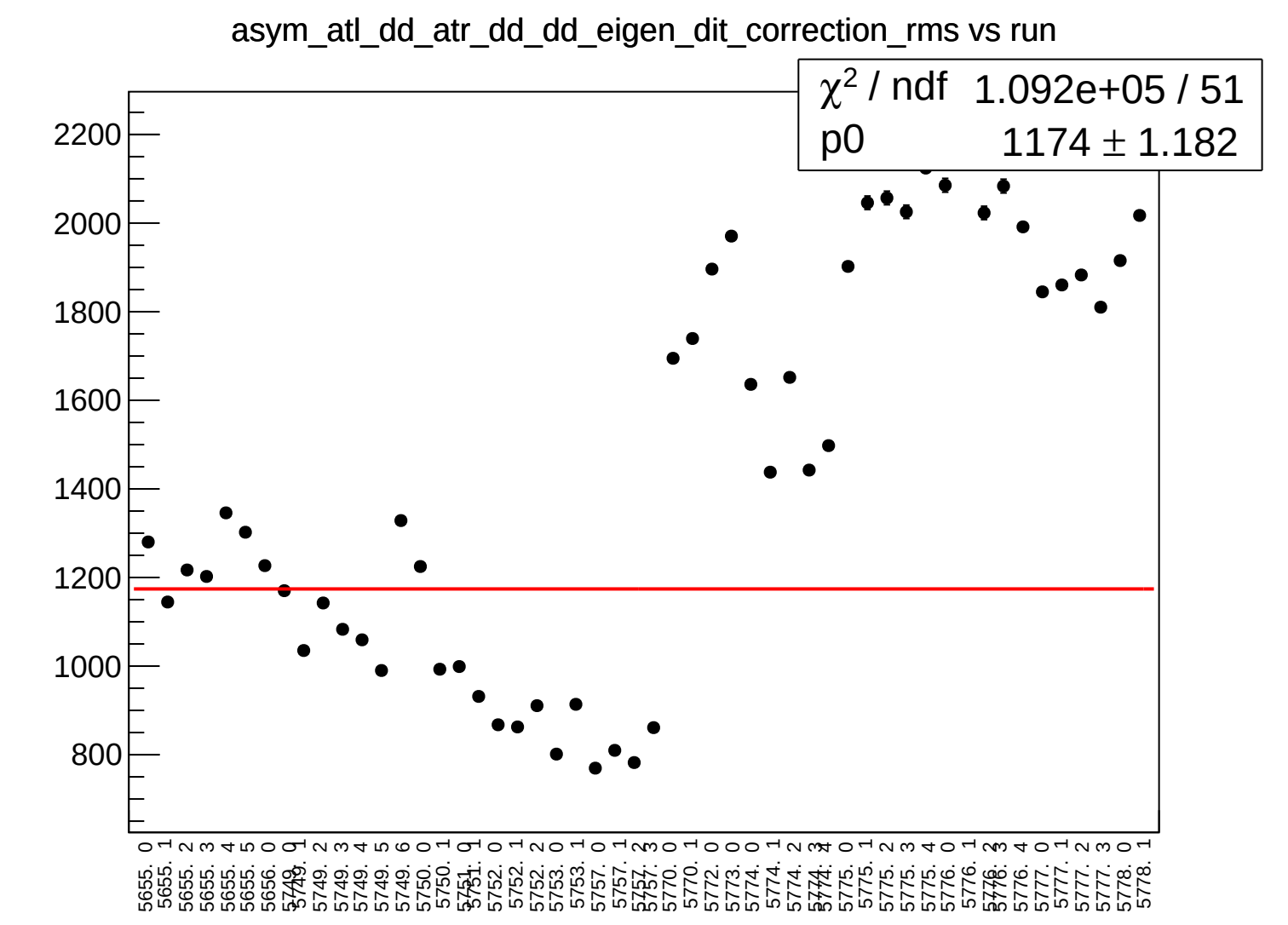
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.092e+05 / 51
p0 1174 ± 1.182
2200
2000
1800
1600
1400
1200
1000
800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
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5752. 2
5753. 0
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5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
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5777. 0
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5777. 2
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5778. 0
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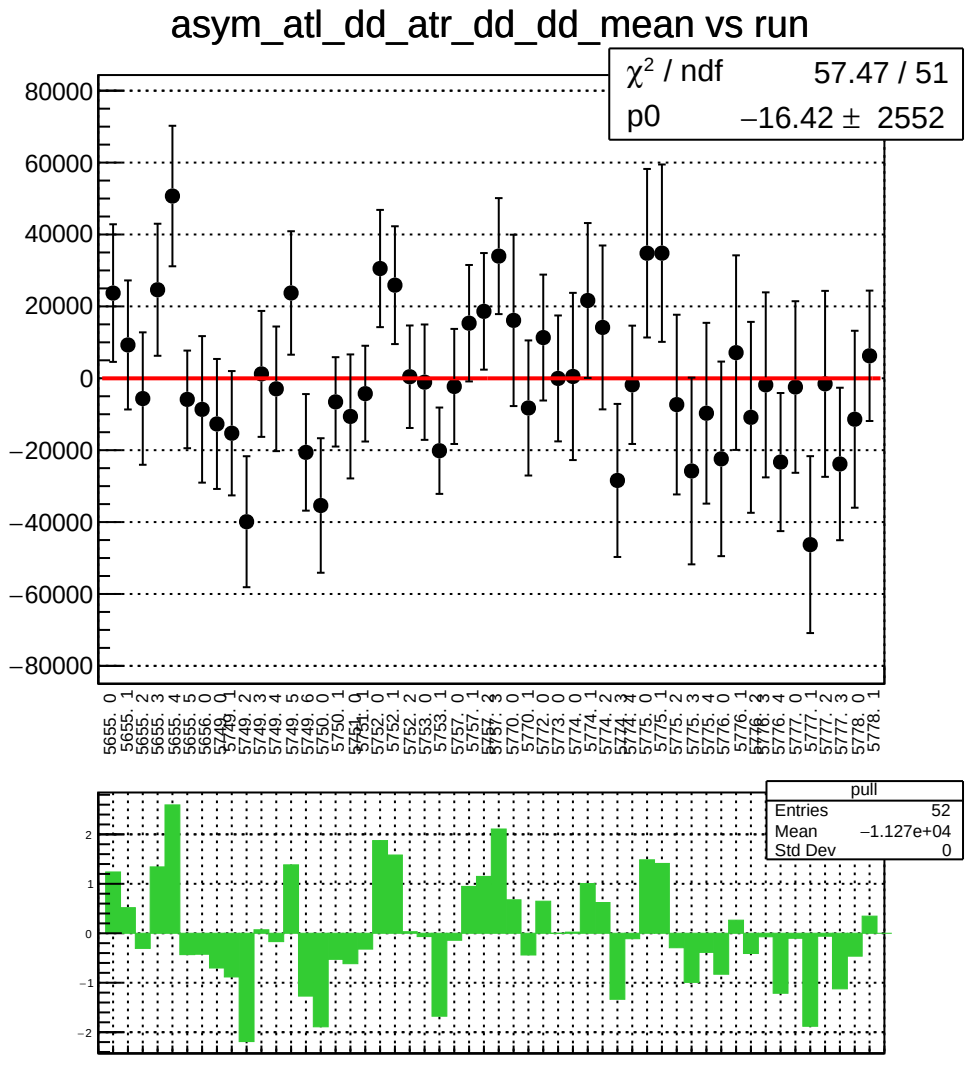
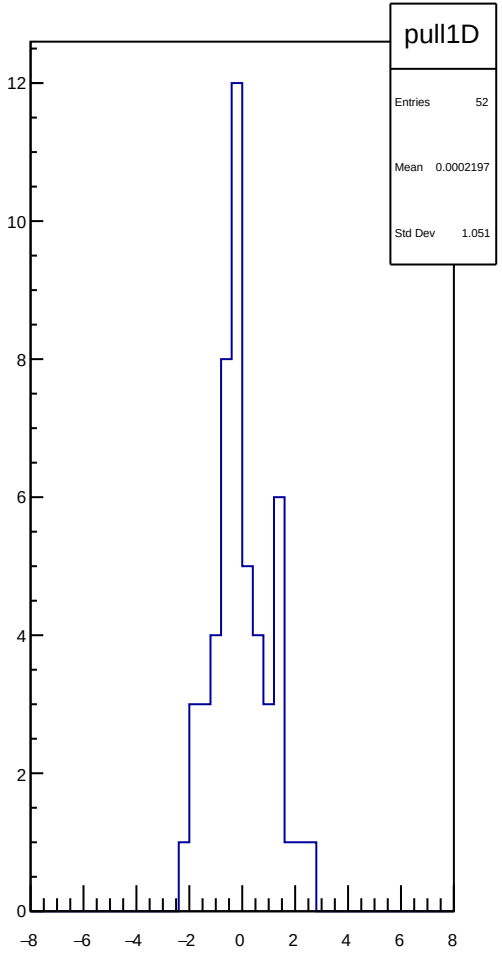
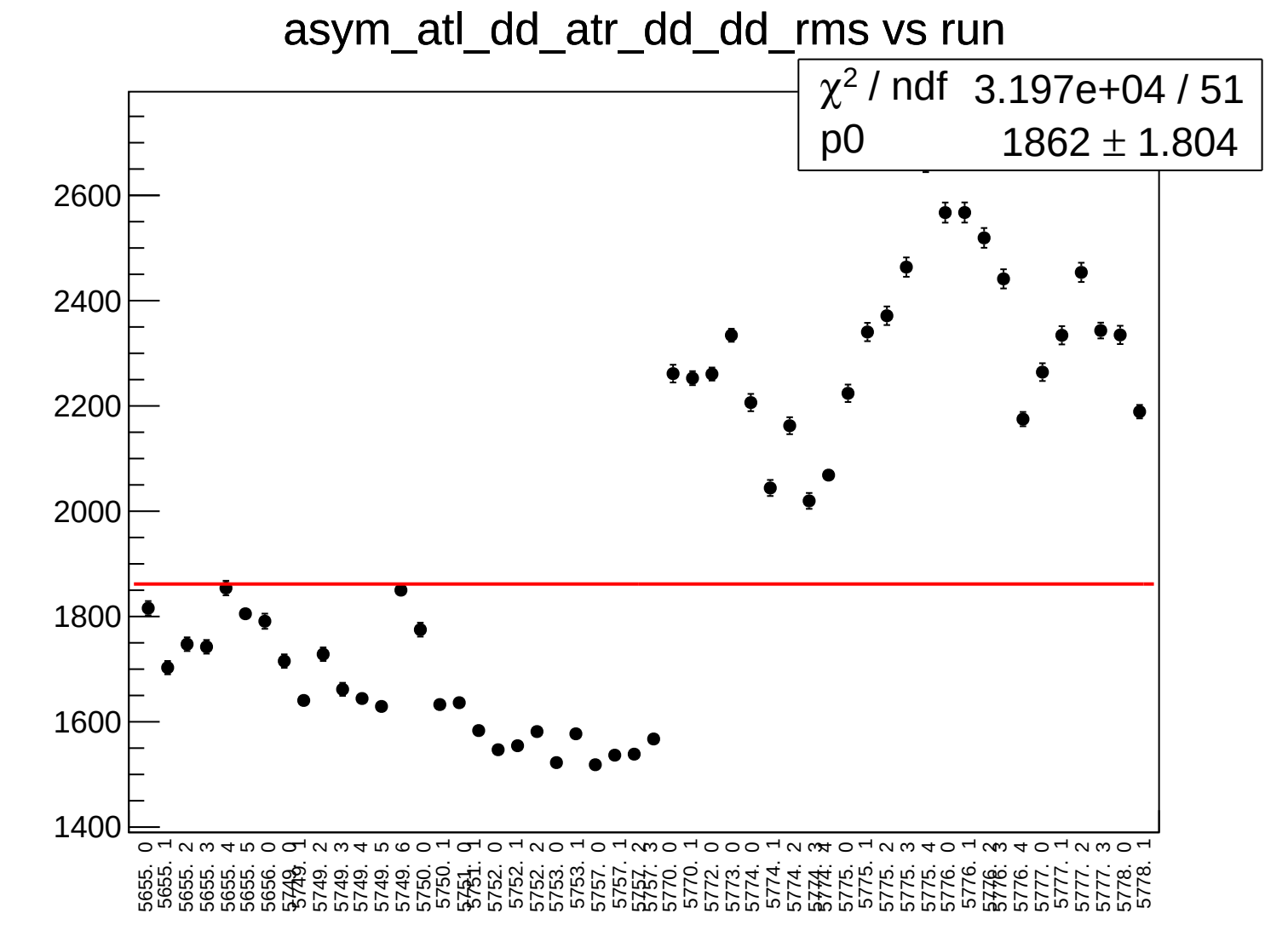
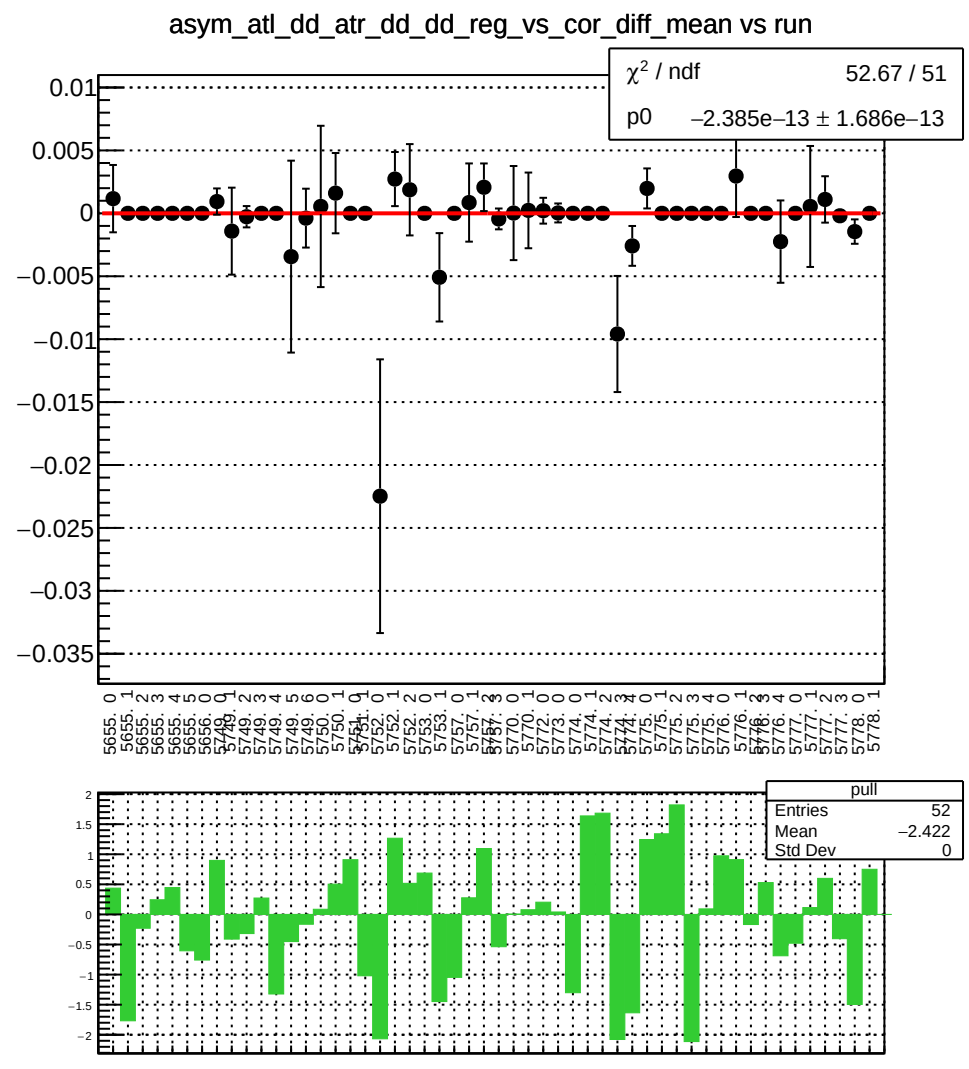
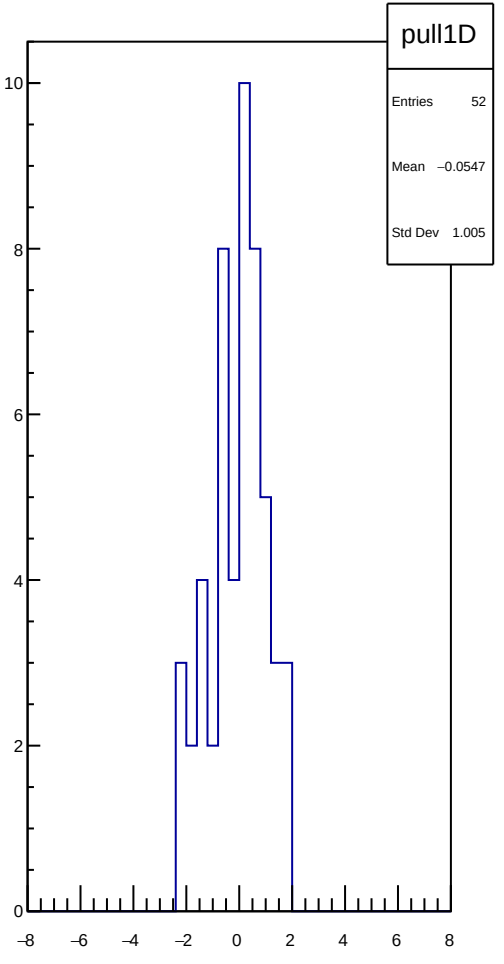
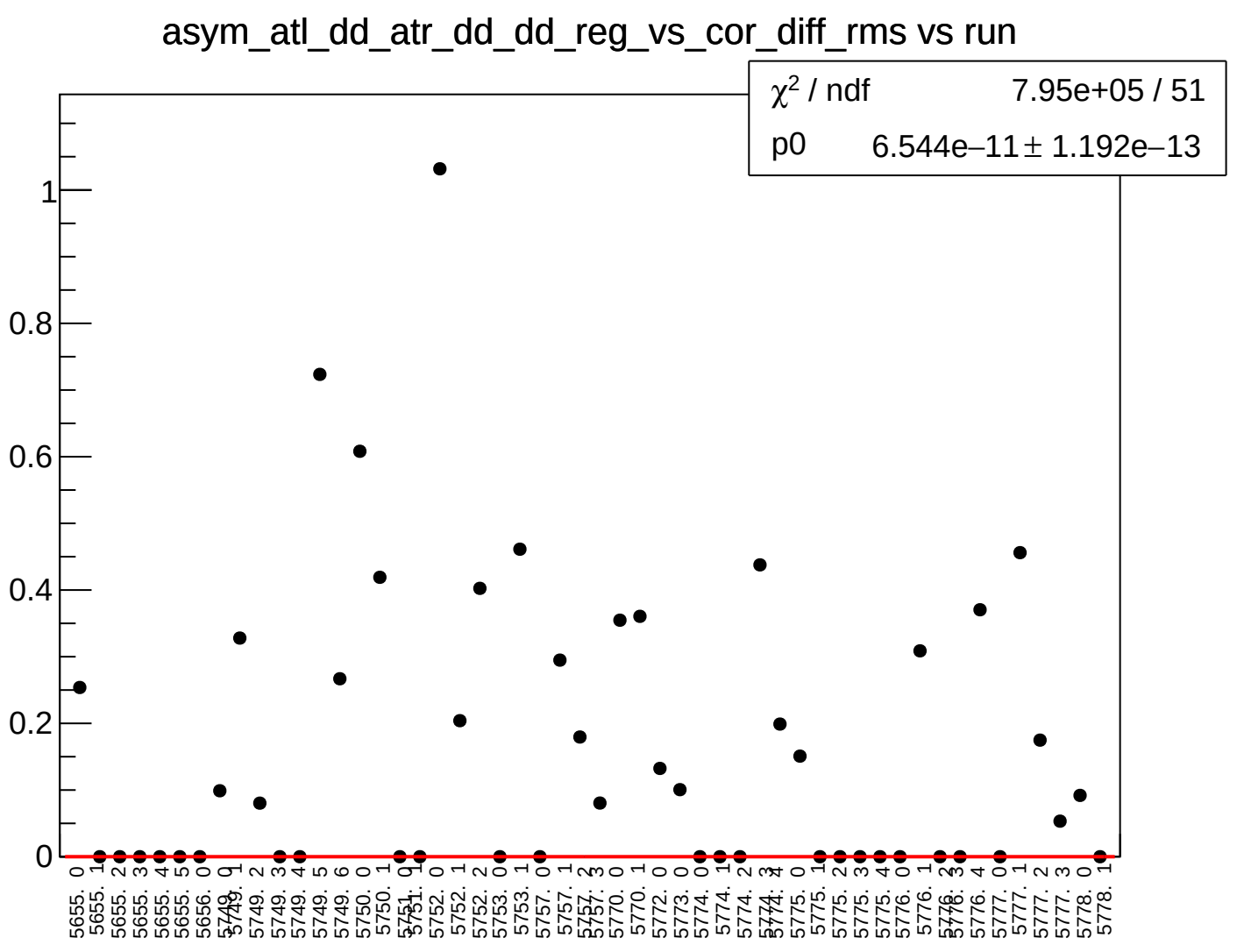

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 57.47 / 51
p0 −16.42 ± 2552
pull
Entries 52
Mean −1.127e+04
Std Dev 0

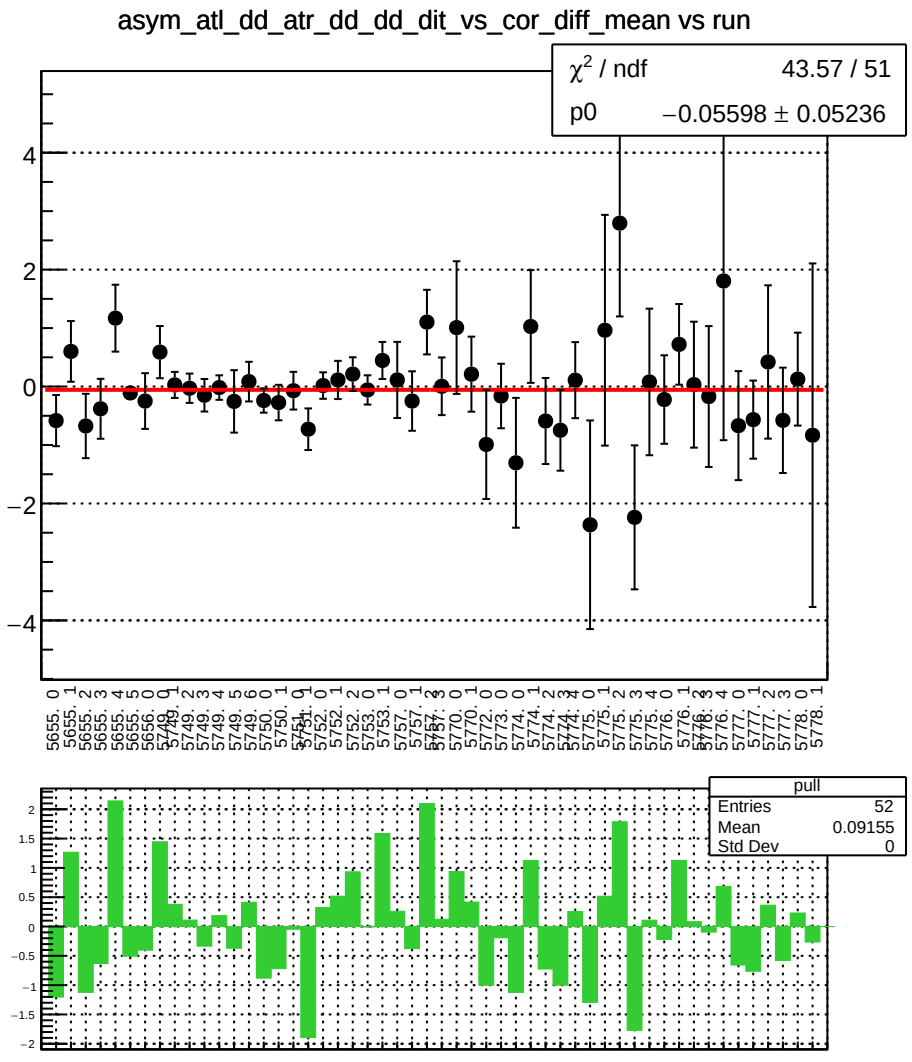

pull1D
Entries 52
Mean 0.0002197
Std Dev 1.051

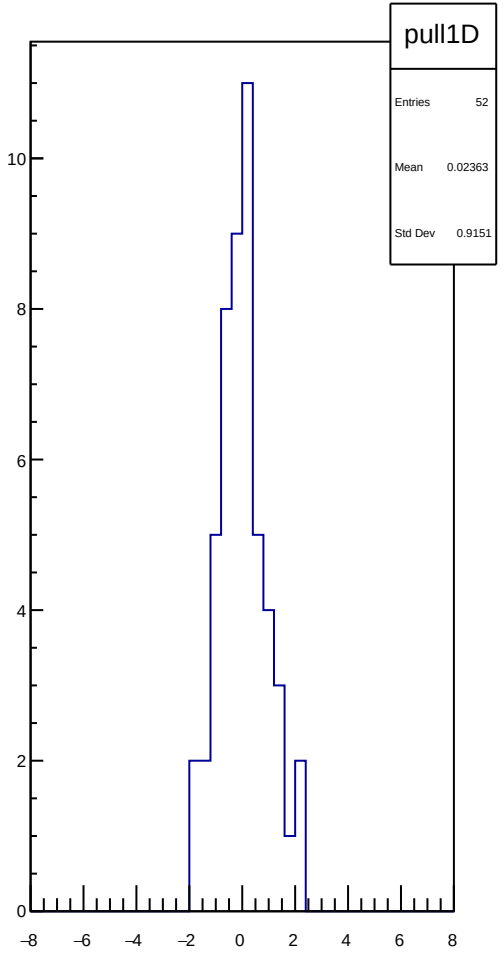

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 3.197e+04 / 51
p0 1862 ± 1.804
2600
2400
2200
2000
1800
1600
1400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

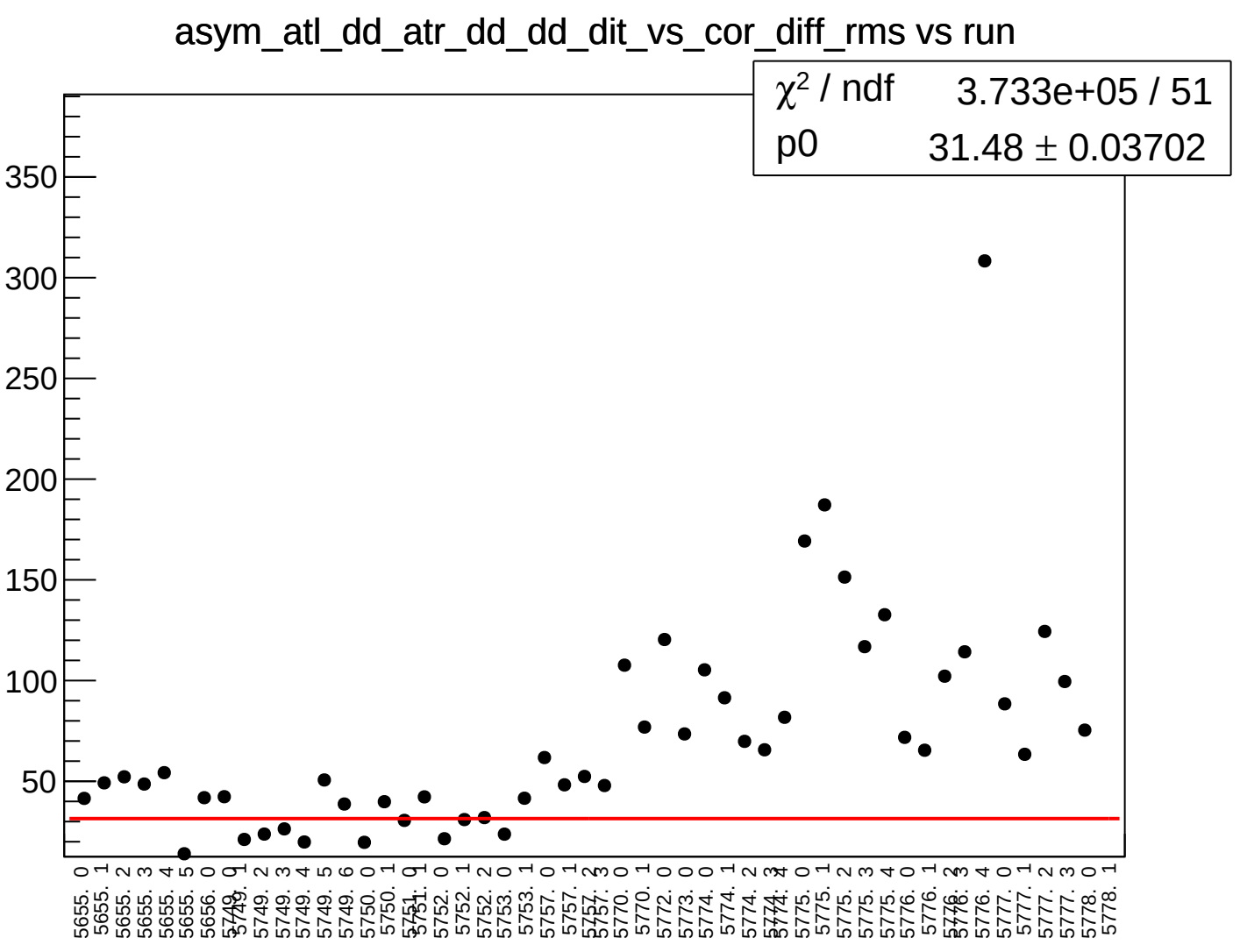

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 52.67 / 51
p0 −2.385e−13 ± 1.686e−13
pull
Entries 52
Mean −2.422
Std Dev 0

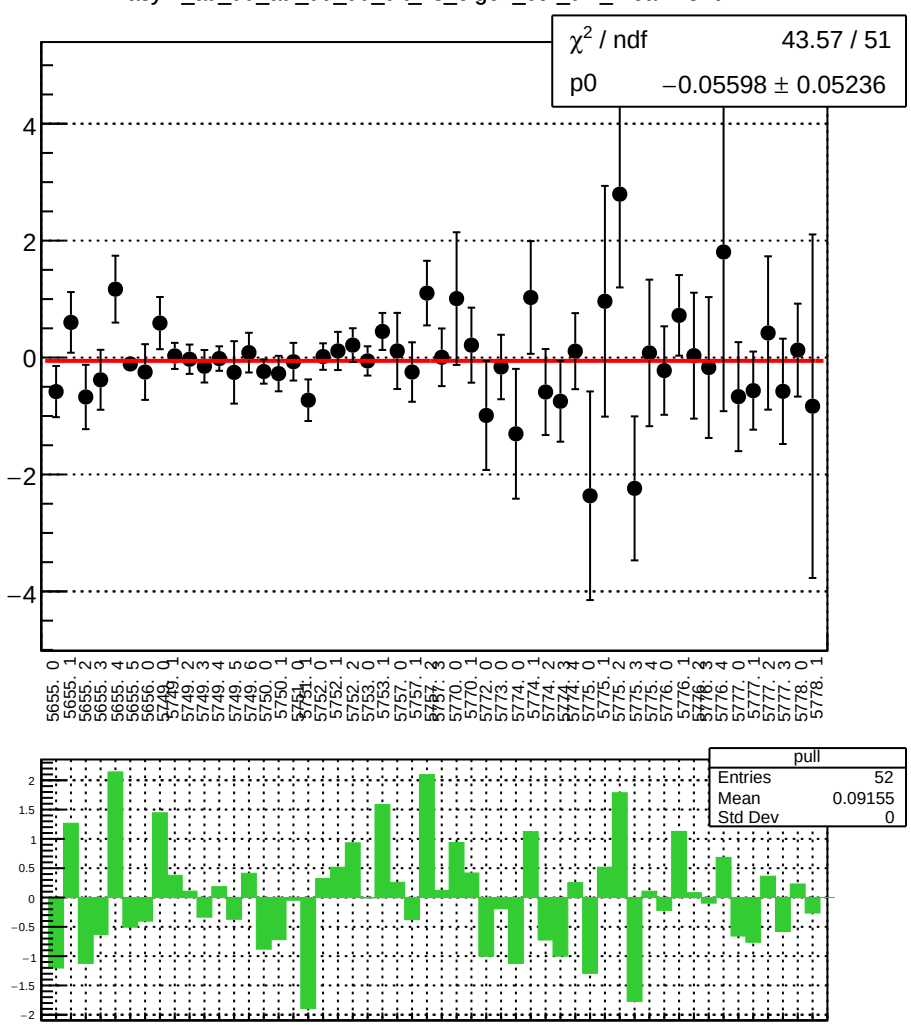

pull1D
Entries 52
Mean −0.0547
Std Dev 1.005

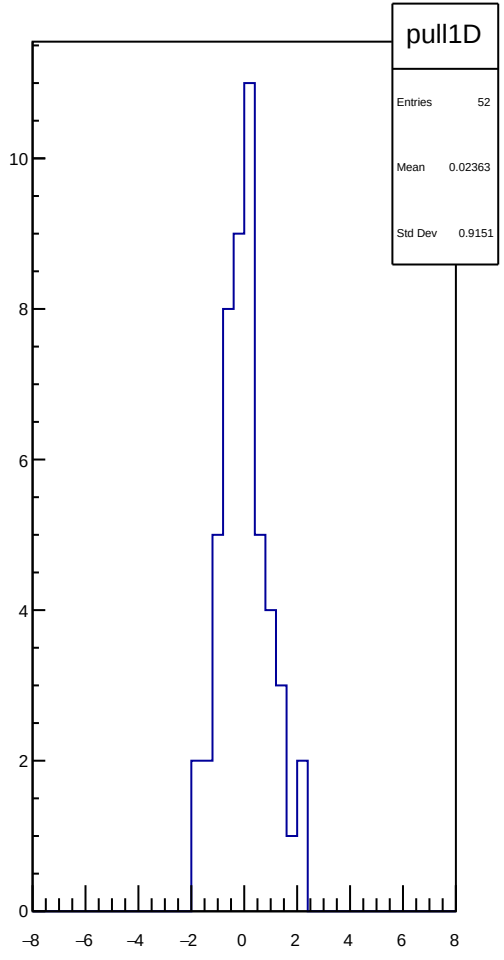

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.95e+05 / 51
p0 6.544e−11 ± 1.192e−13
1
0.8
0.6
0.4
0.2
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

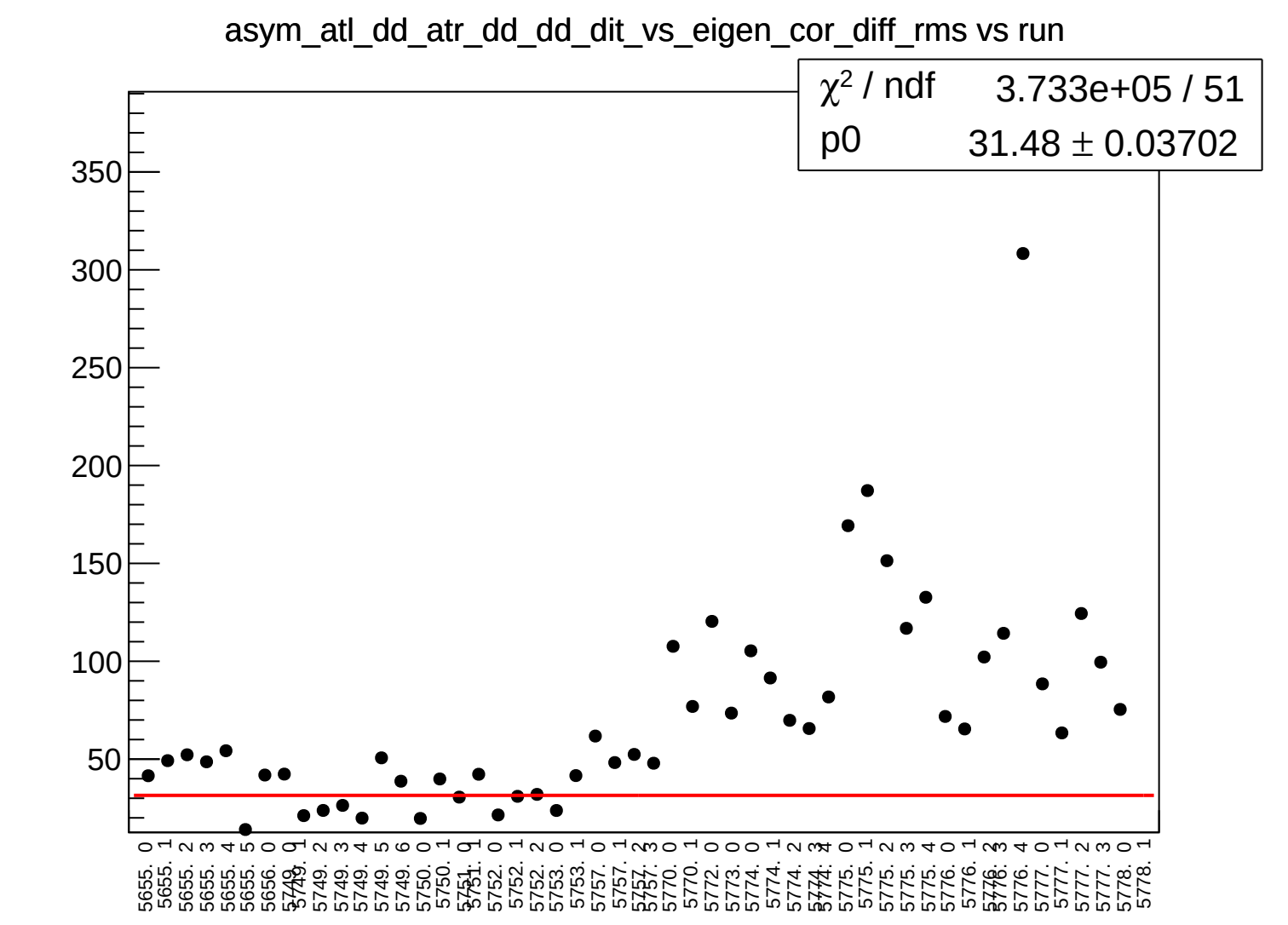

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 43.57 / 51
p0 −0.05598 ± 0.05236
pull
Entries 52
Mean 0.09155
Std Dev 0

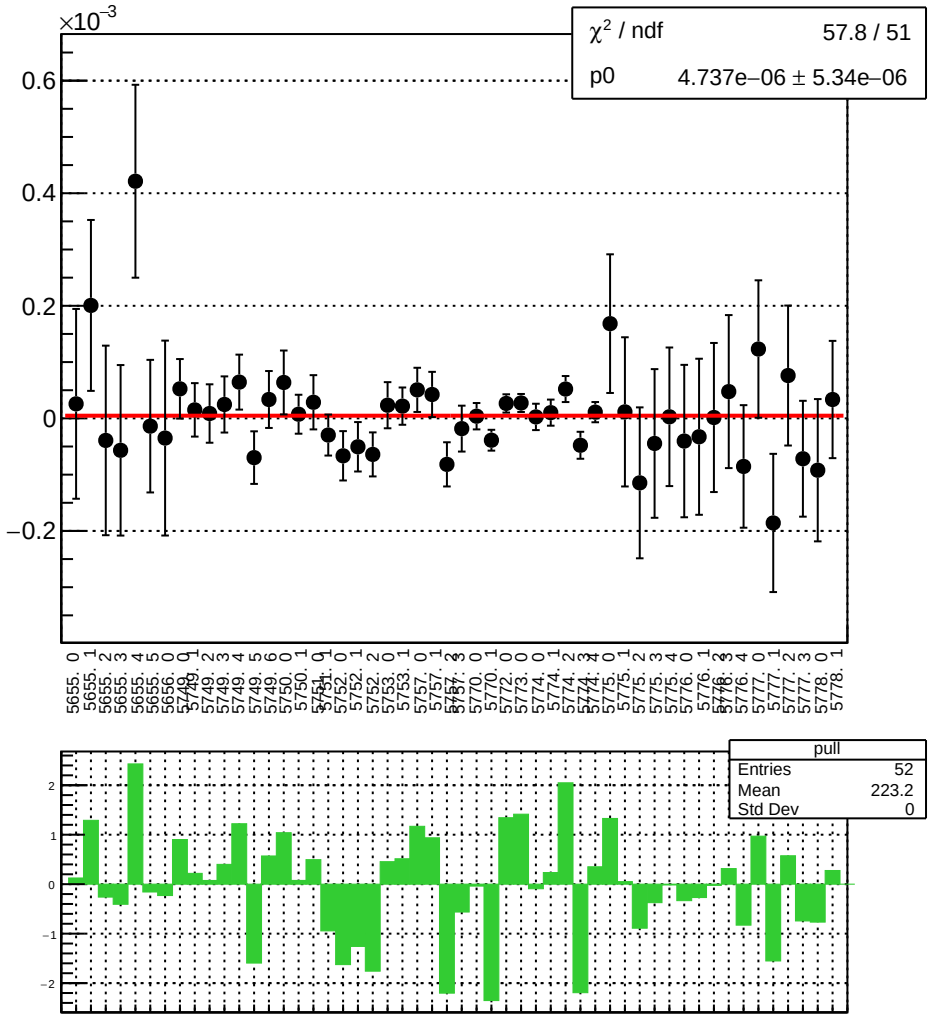

pull1D
Entries 52
Mean 0.02363
Std Dev 0.9151

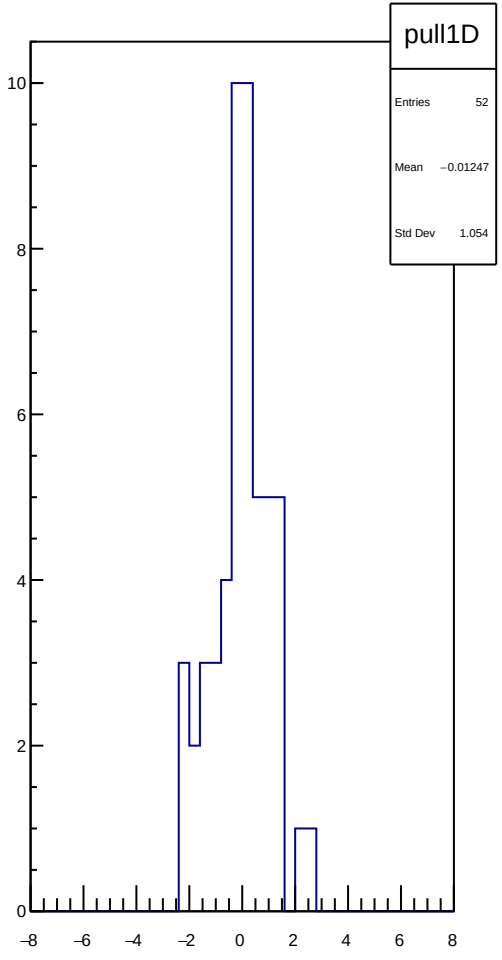

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.733e+05 / 51
p0 31.48 ± 0.03702
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

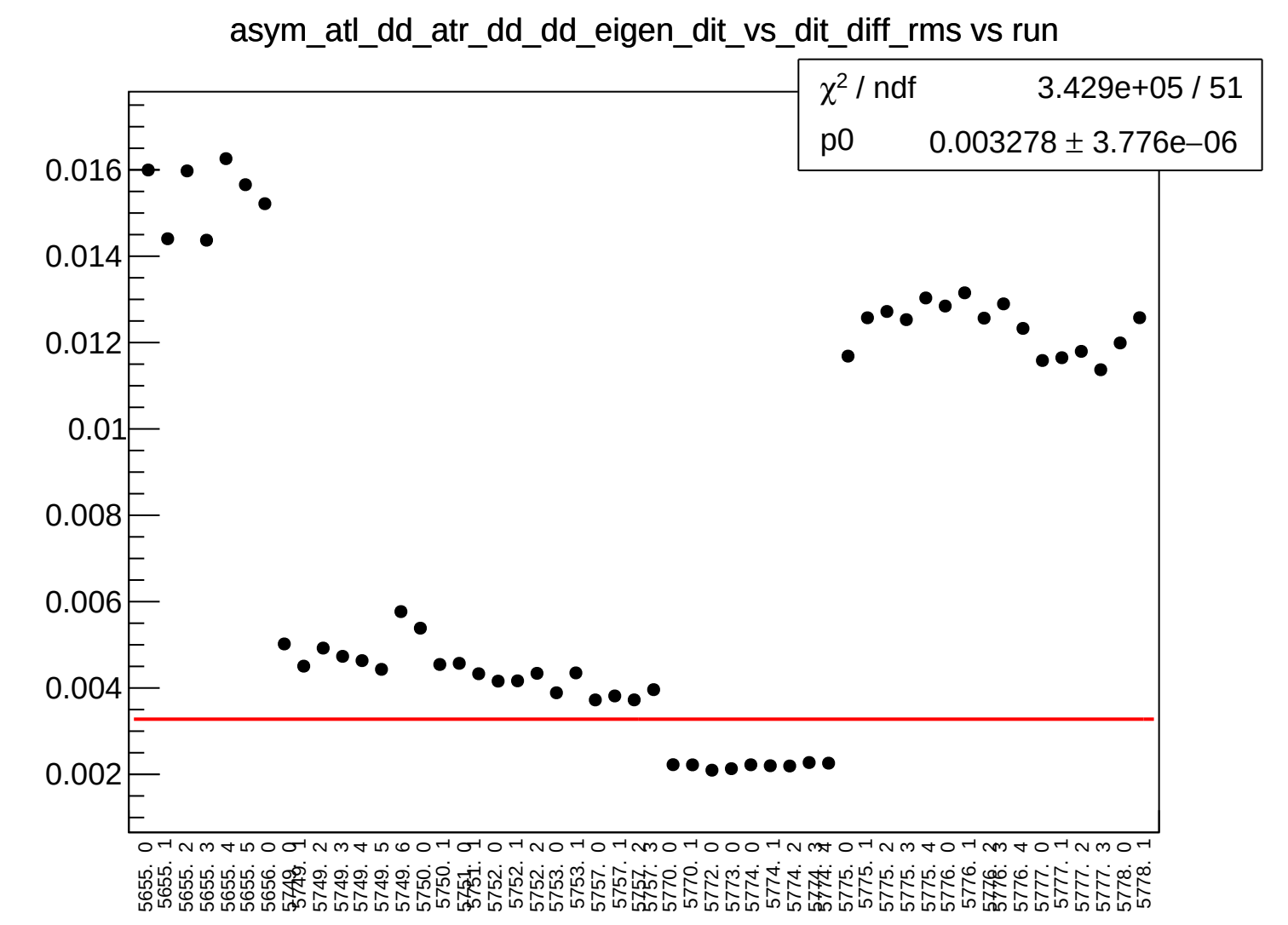

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.57 / 51
p0 −0.05598 ± 0.05236
pull
Entries 52
Mean 0.09155
Std Dev 0

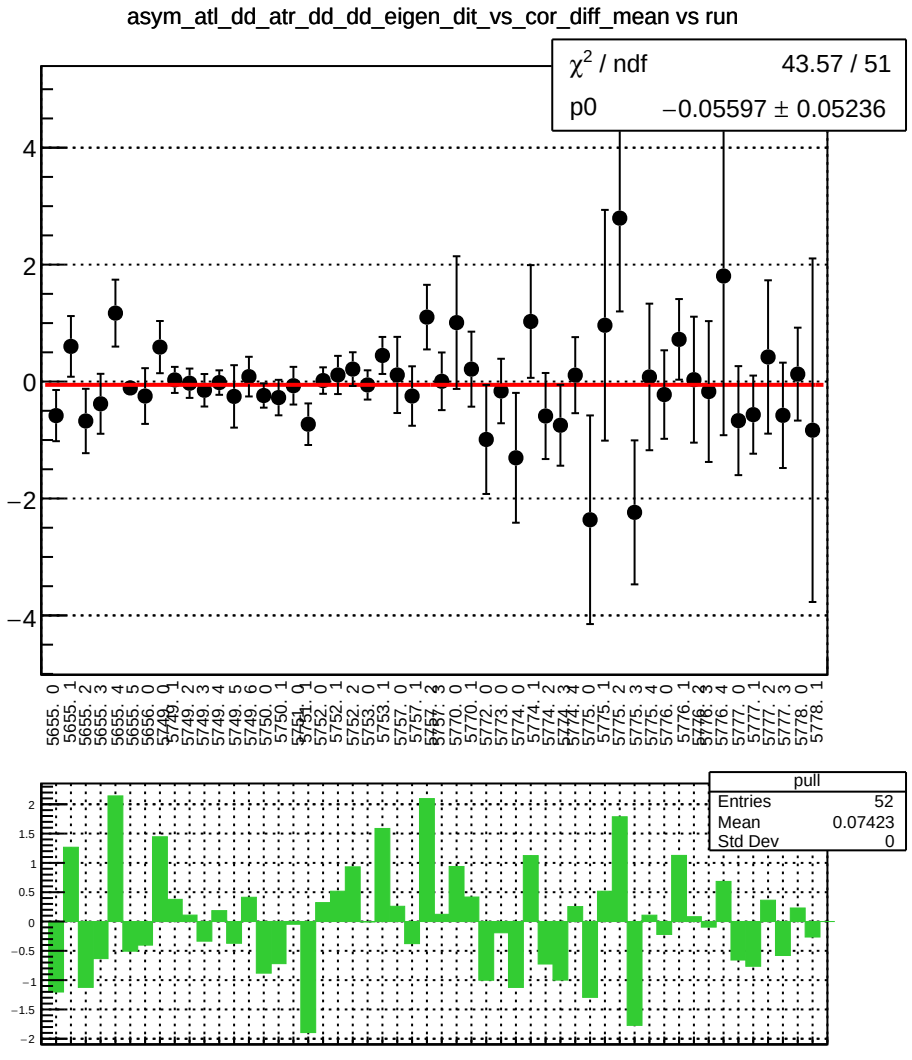

pull1D
Entries 52
Mean 0.02363
Std Dev 0.9151

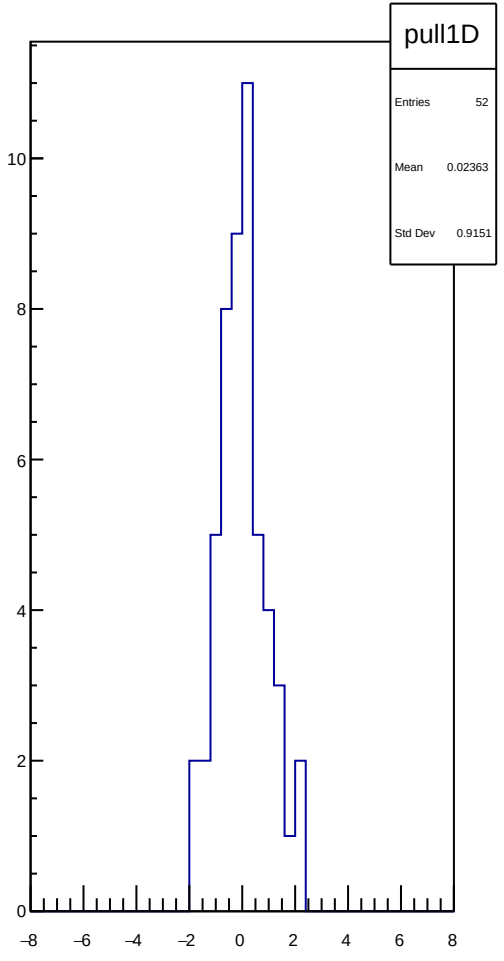

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.733e+05 / 51
p0 31.48 ± 0.03702
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

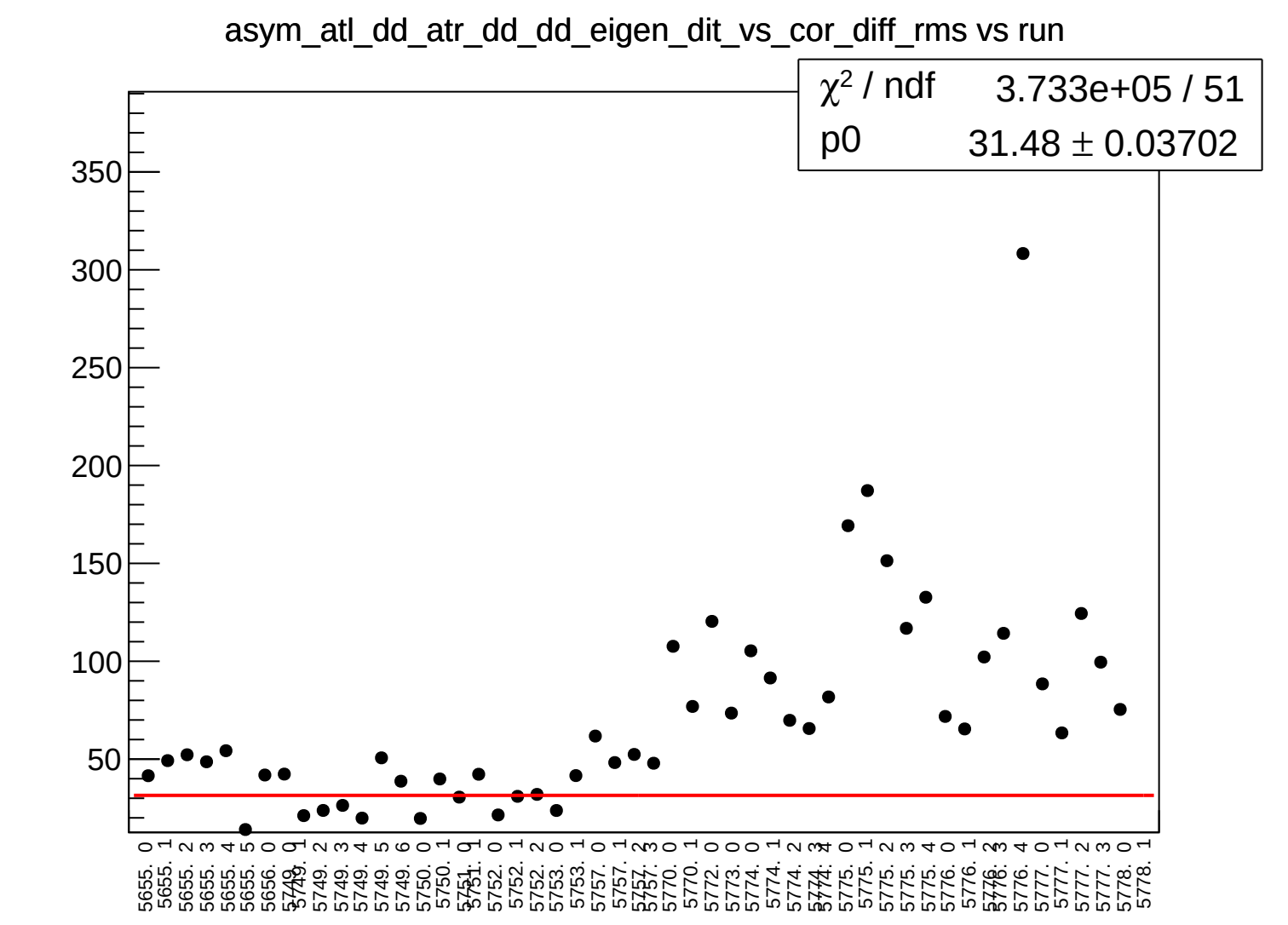

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 57.8 / 51
p0 4.737e−06 ± 5.34e−06
pull
Entries 52
Mean 223.2
Std Dev 0

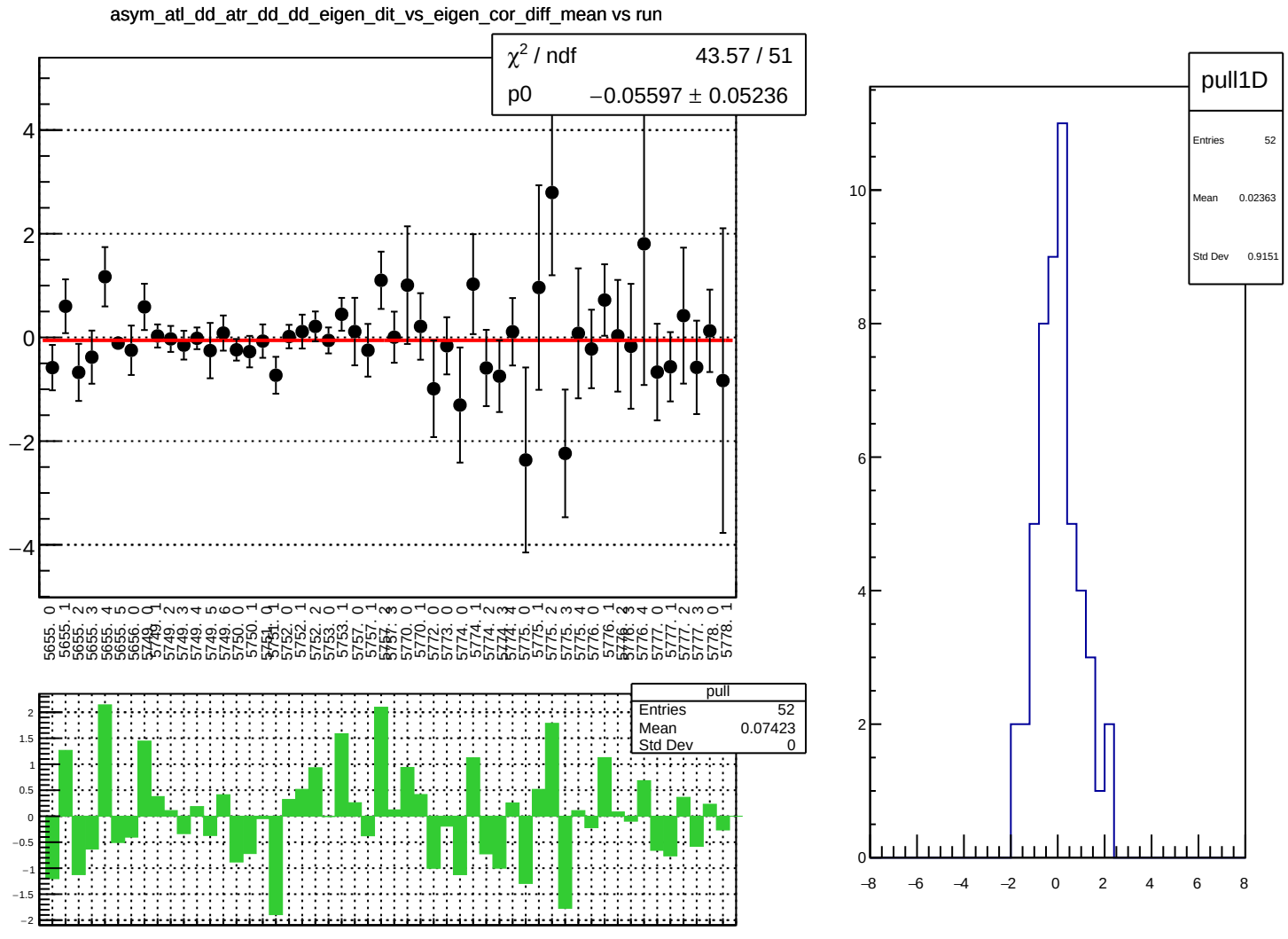

pull1D
Entries 52
Mean −0.01247
Std Dev 1.054

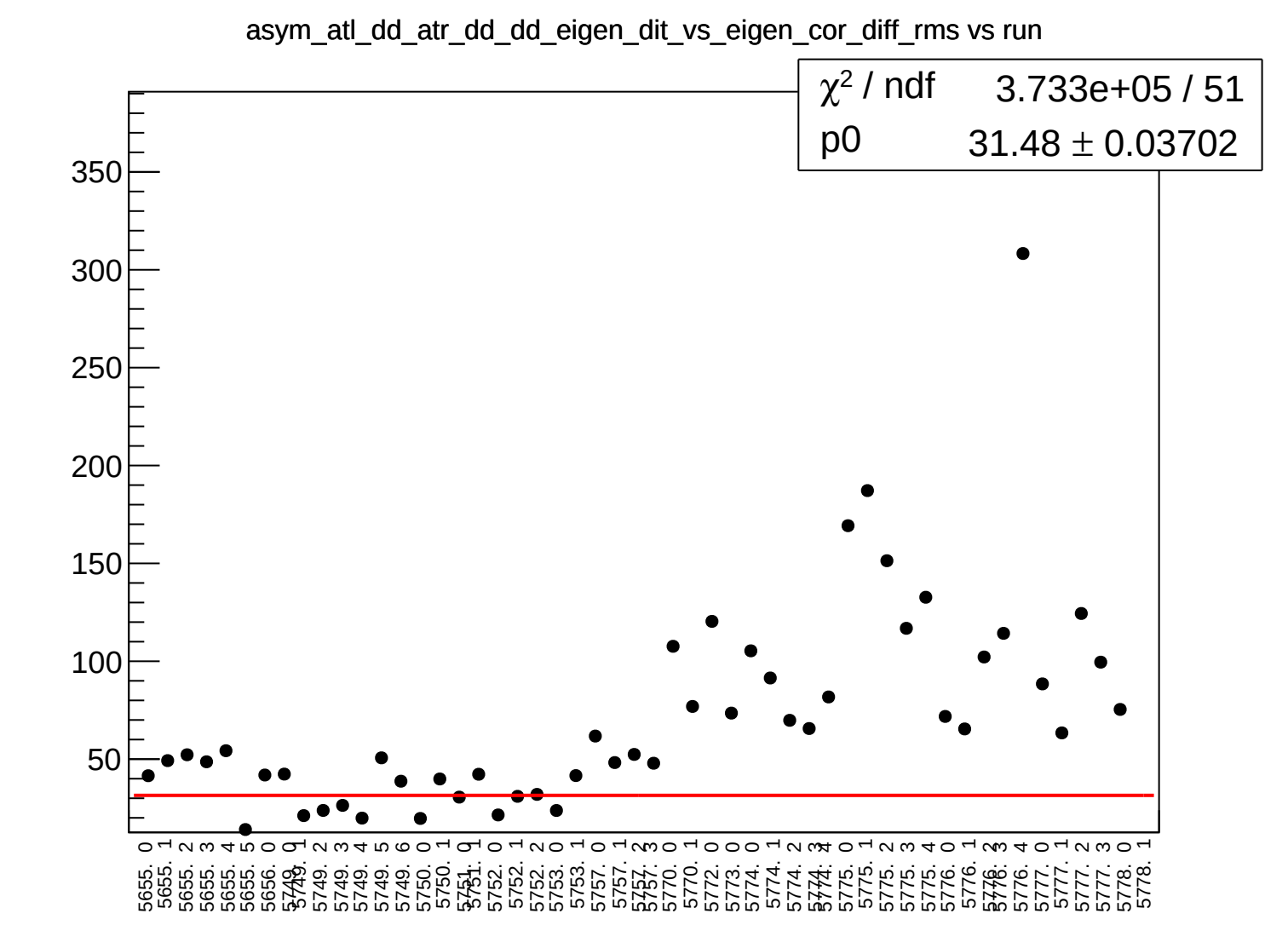

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.429e+05 / 51
p0 0.003278 ± 3.776e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

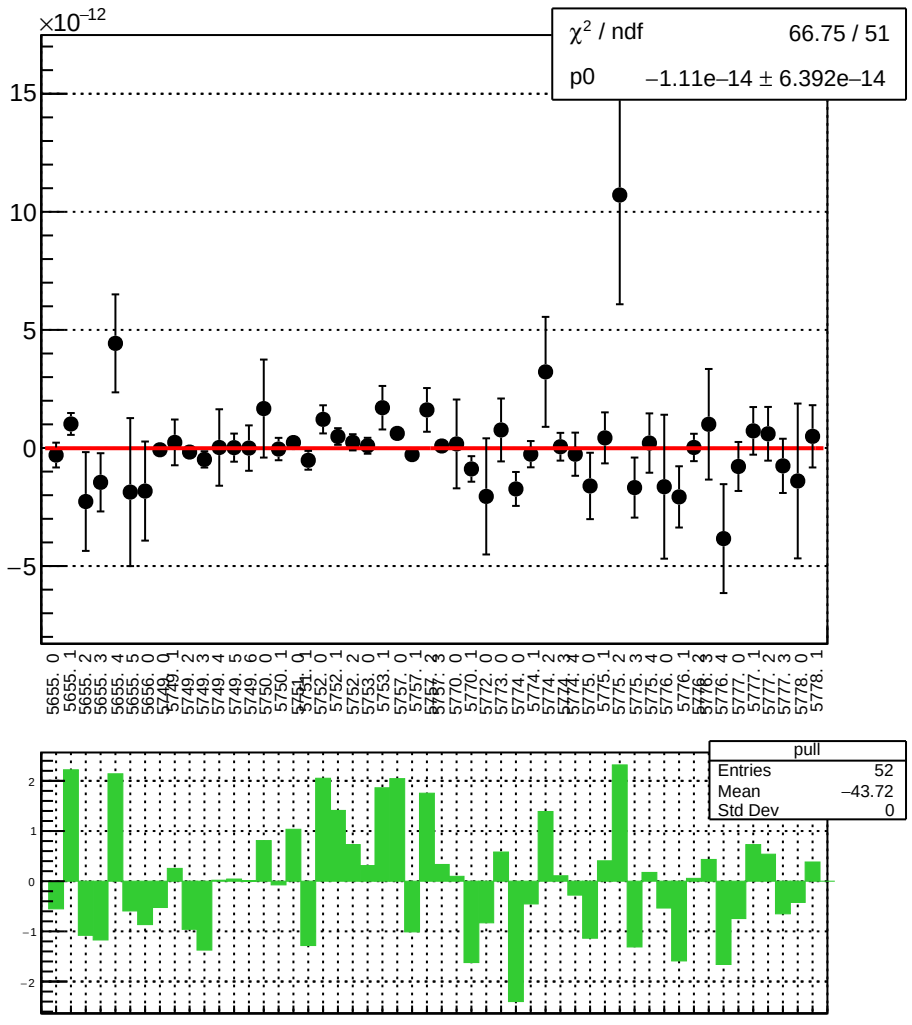

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 43.57 / 51
p0 −0.05597 ± 0.05236
pull
Entries 52
Mean 0.07423
Std Dev 0

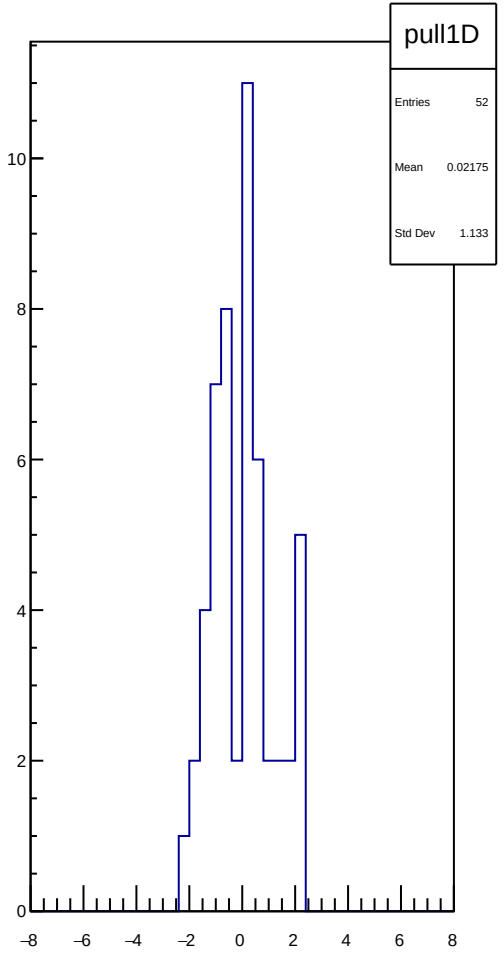

pull1D
Entries 52
Mean 0.02363
Std Dev 0.9151

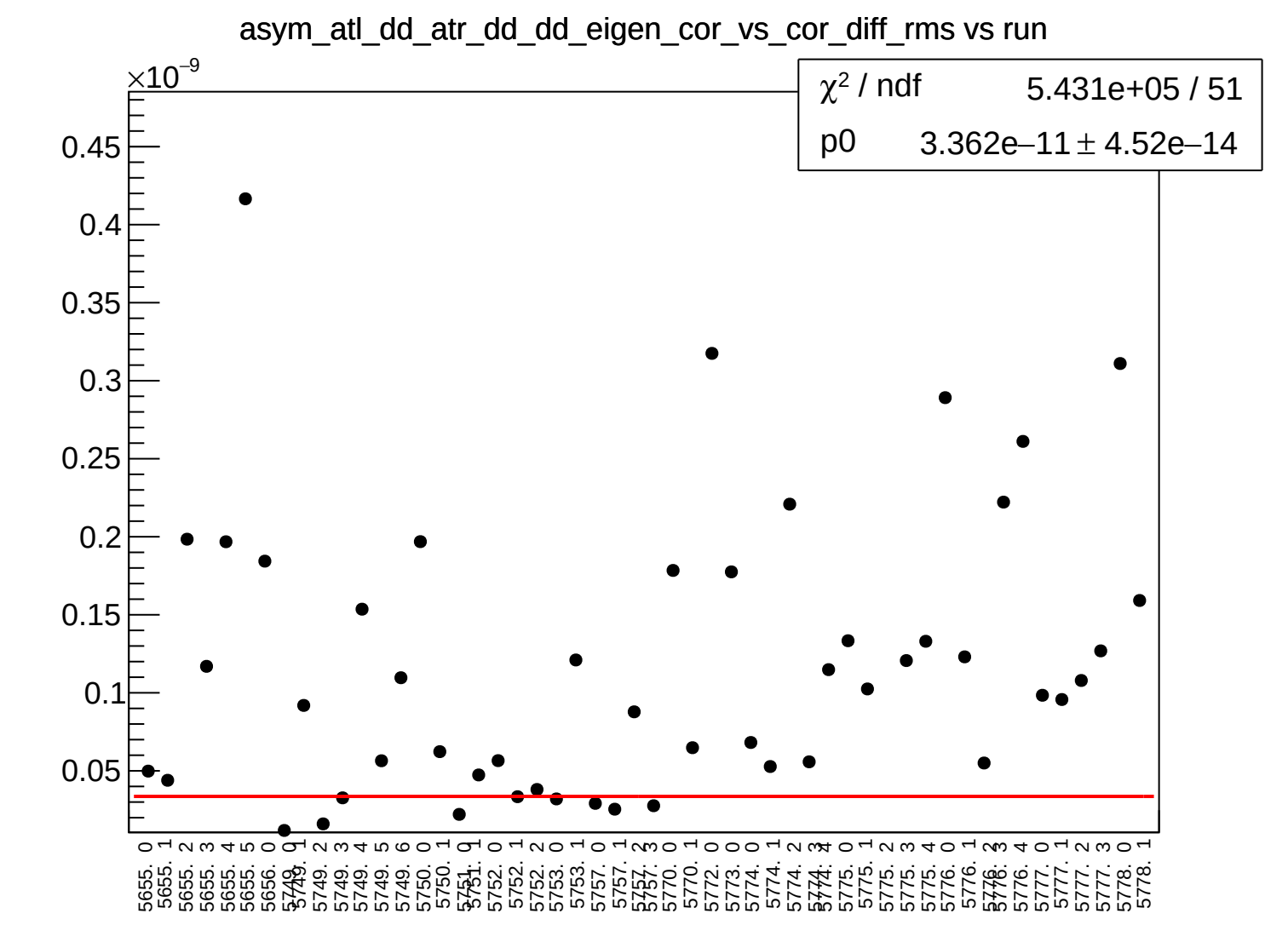

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.733e+05 / 51
p0 31.48 ± 0.03702
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

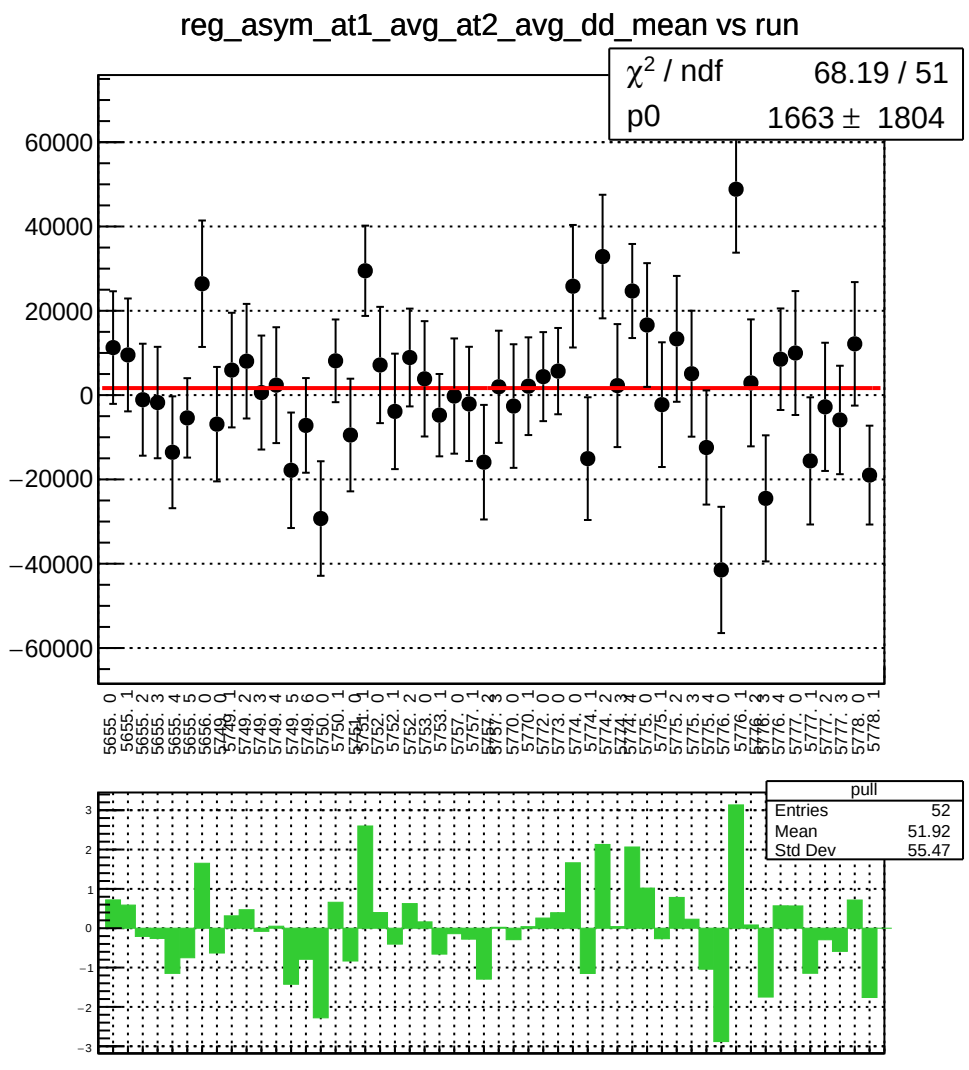

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.57 / 51
p0 −0.05597 ± 0.05236
pull
Entries 52
Mean 0.07423
Std Dev 0
pull1D
Entries 52
Mean 0.02363
Std Dev 0.9151

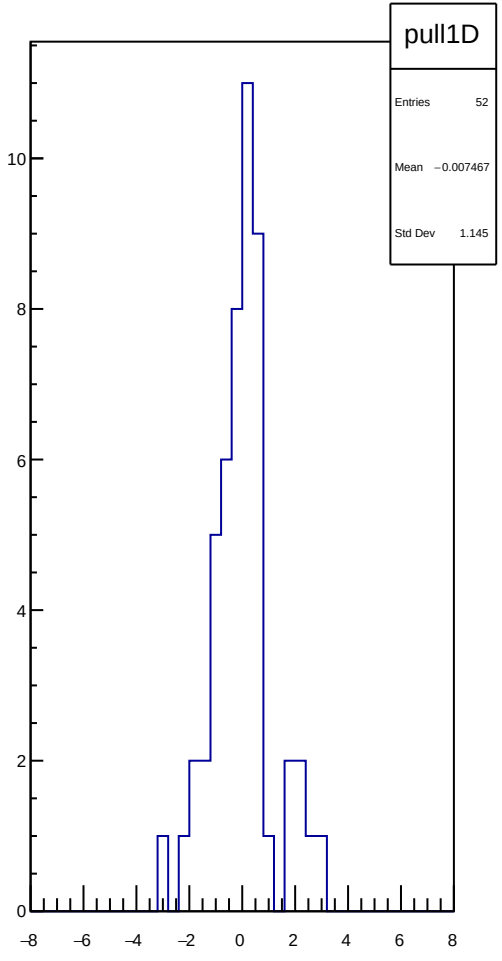

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.733e+05 / 51
p0 31.48 ± 0.03702
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

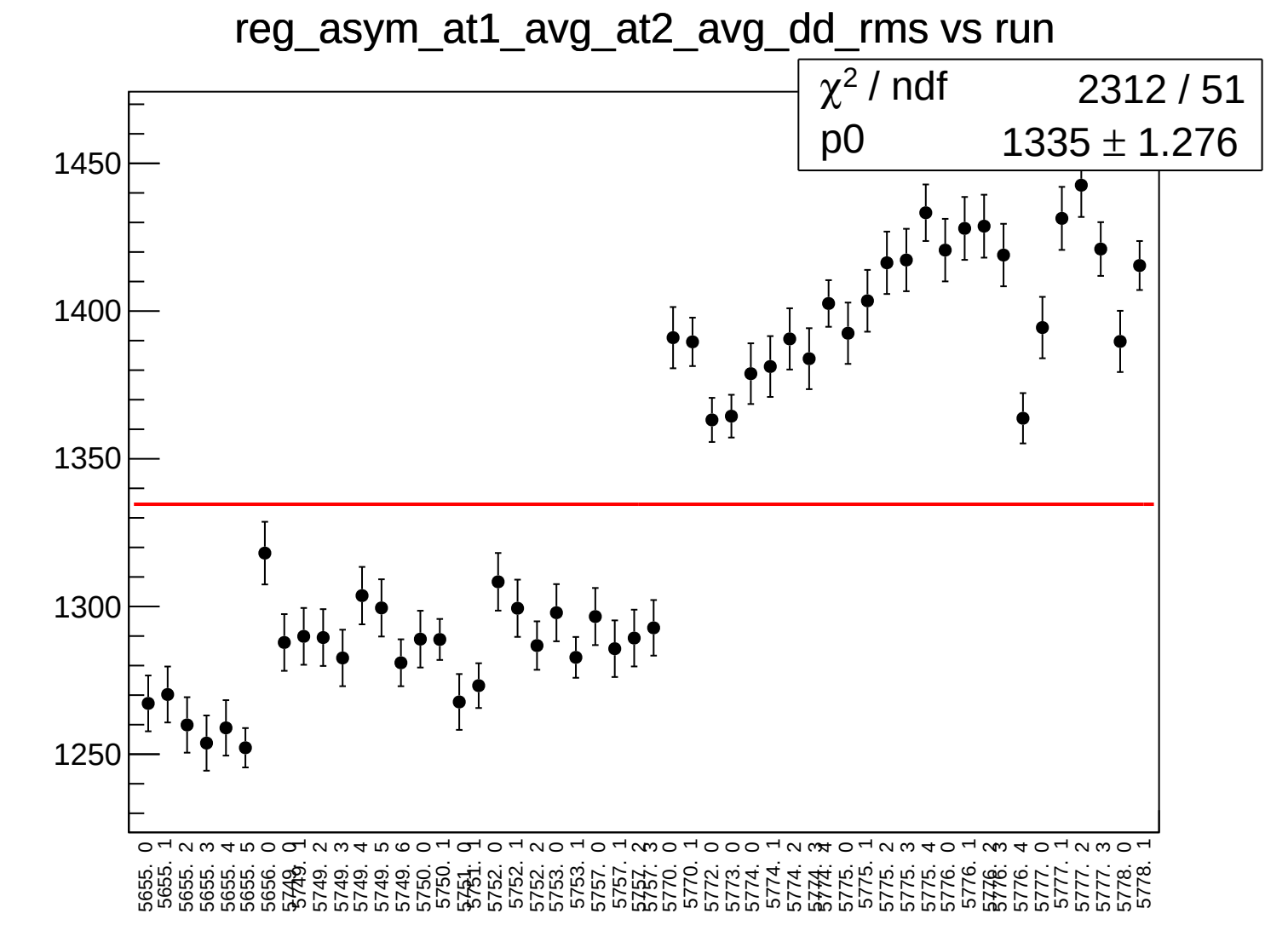

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 66.75 / 51
p0 −1.11e−14 ± 6.392e−14
pull
Entries 52
Mean −43.72
Std Dev 0

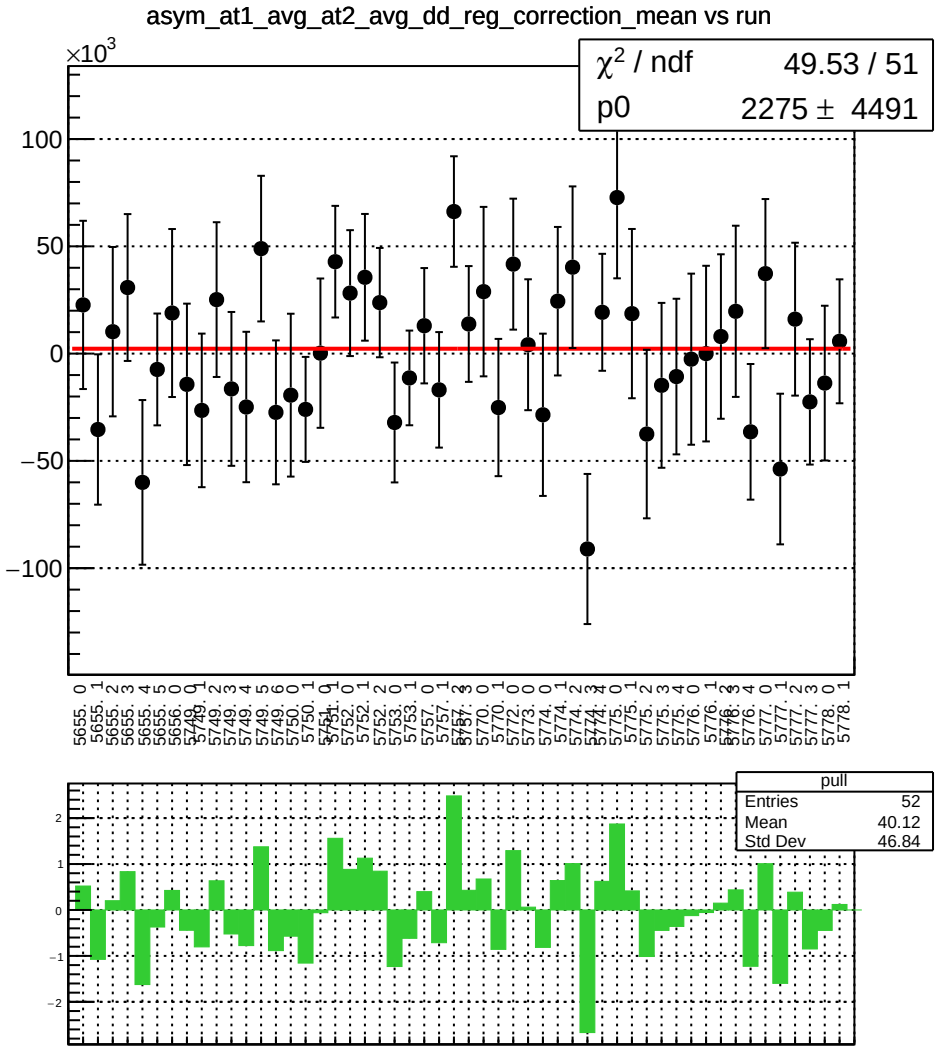

pull1D
Entries 52
Mean 0.02175
Std Dev 1.133

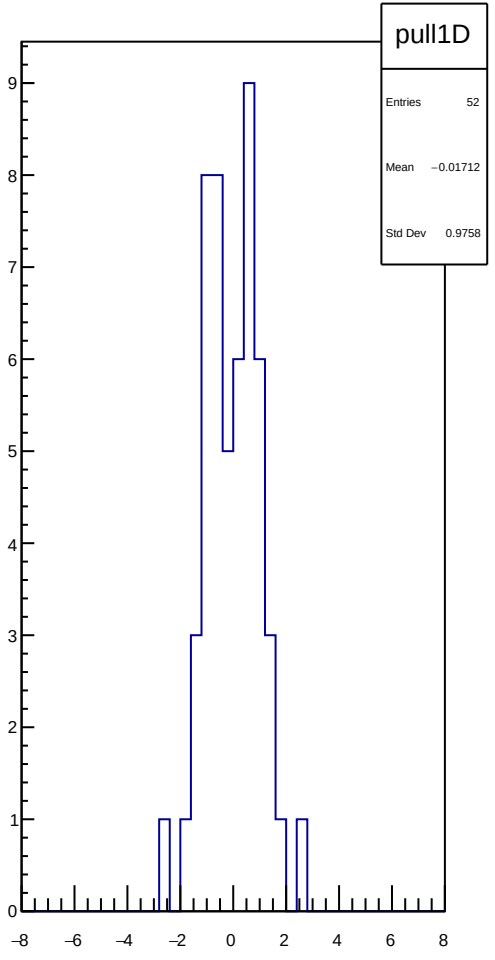

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.431e+05 / 51
p0 3.362e−11 ± 4.52e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

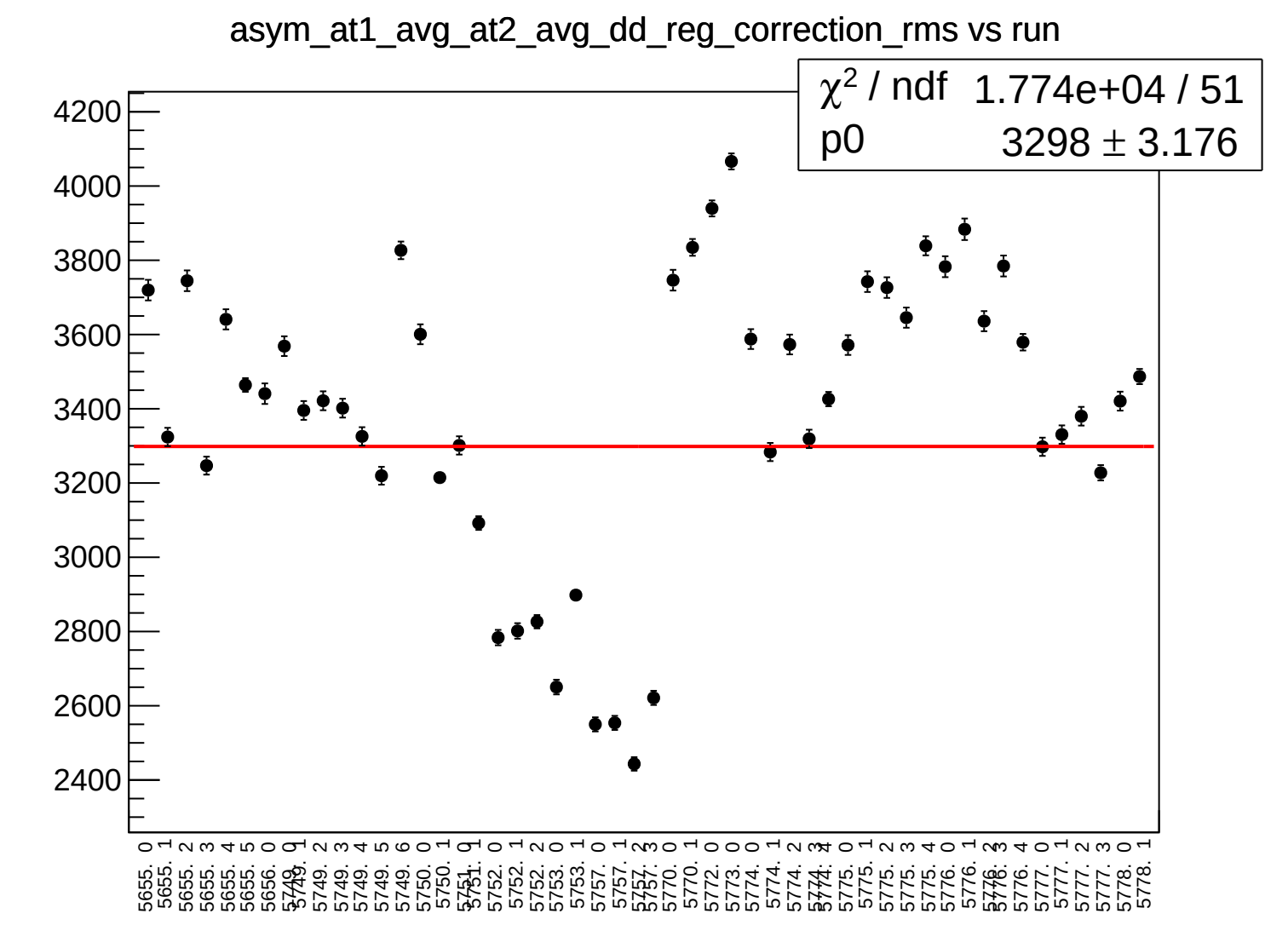

reg_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 68.19 / 51
p0 1663 ± 1804
pull
Entries 52
Mean 51.92
Std Dev 55.47

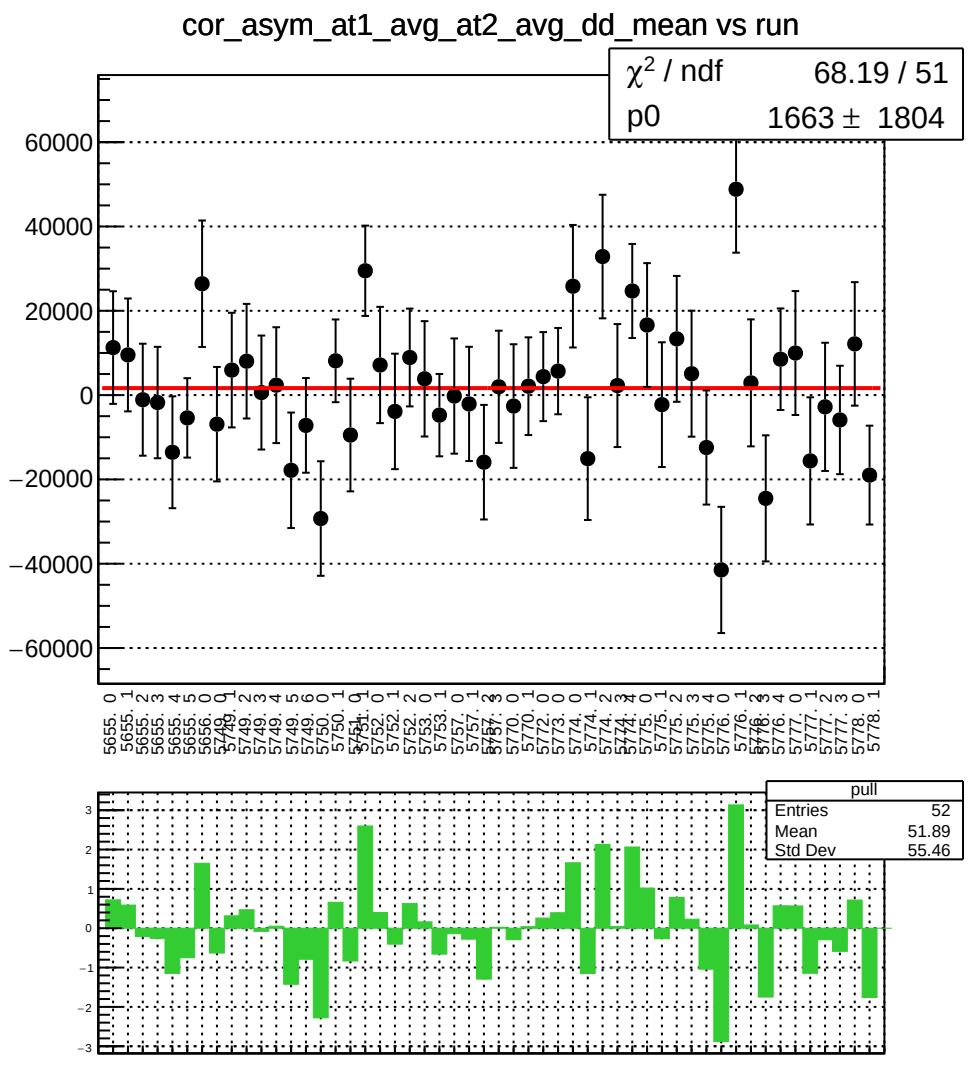

pull1D
Entries 52
Mean −0.007467
Std Dev 1.145

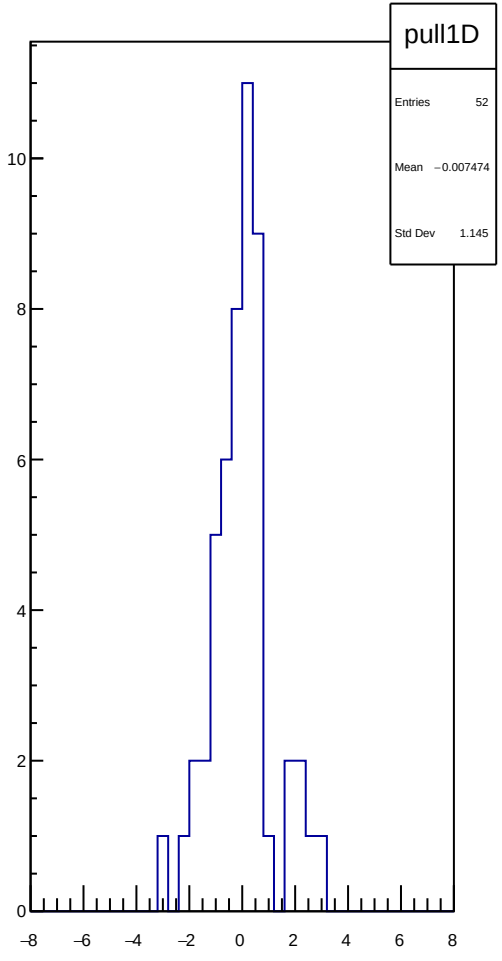

reg_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 2312 / 51
p0 1335 ± 1.276
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

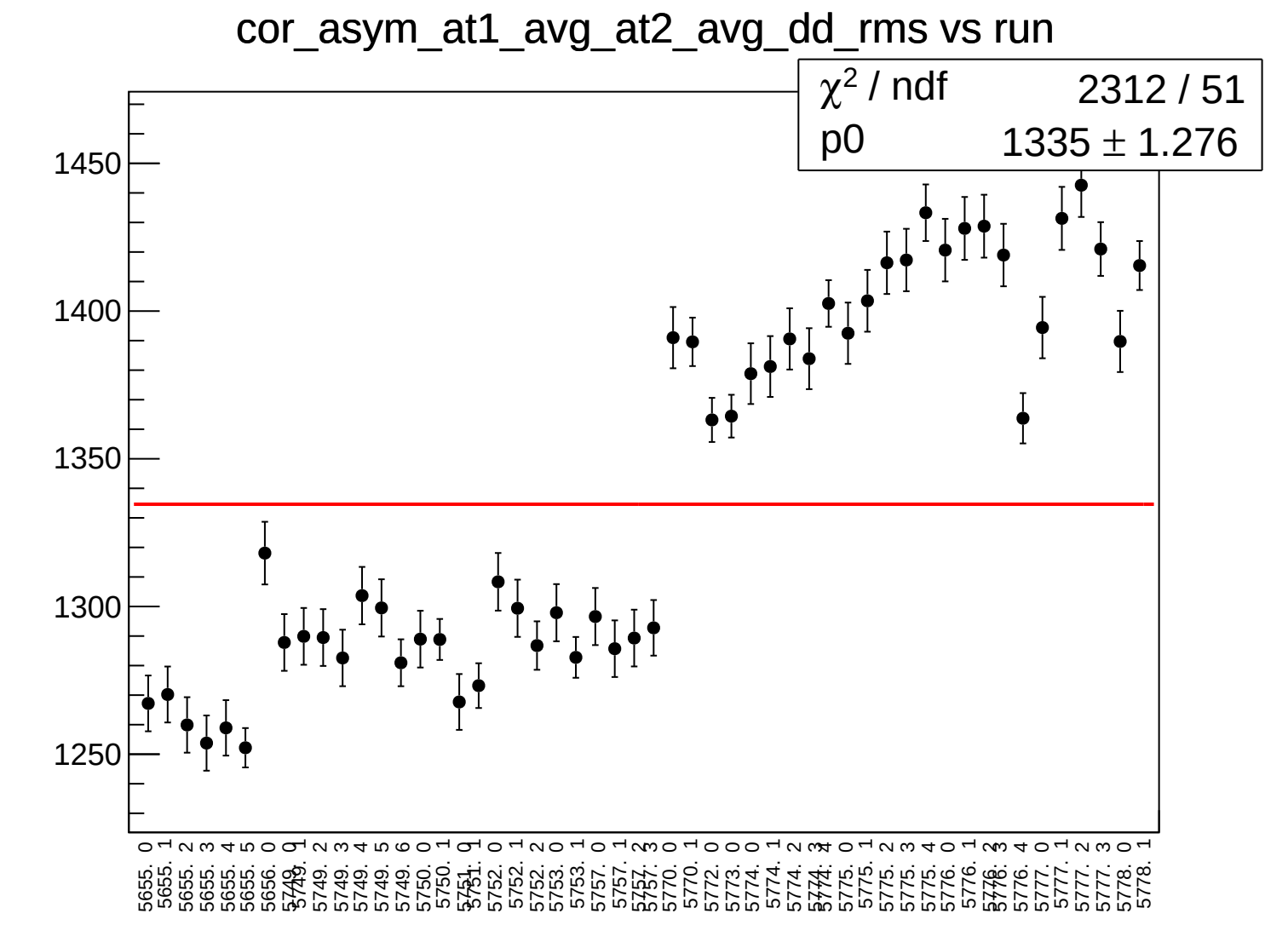

asym_at1_avg_at2_avg_dd_reg_correction_mean vs run
×10^3
χ^2 / ndf 49.53 / 51
p0 2275 ± 4491
100
50
0
−50
−100
pull
Entries 52
Mean 40.12
Std Dev 46.84
2
1
0
−1
−2

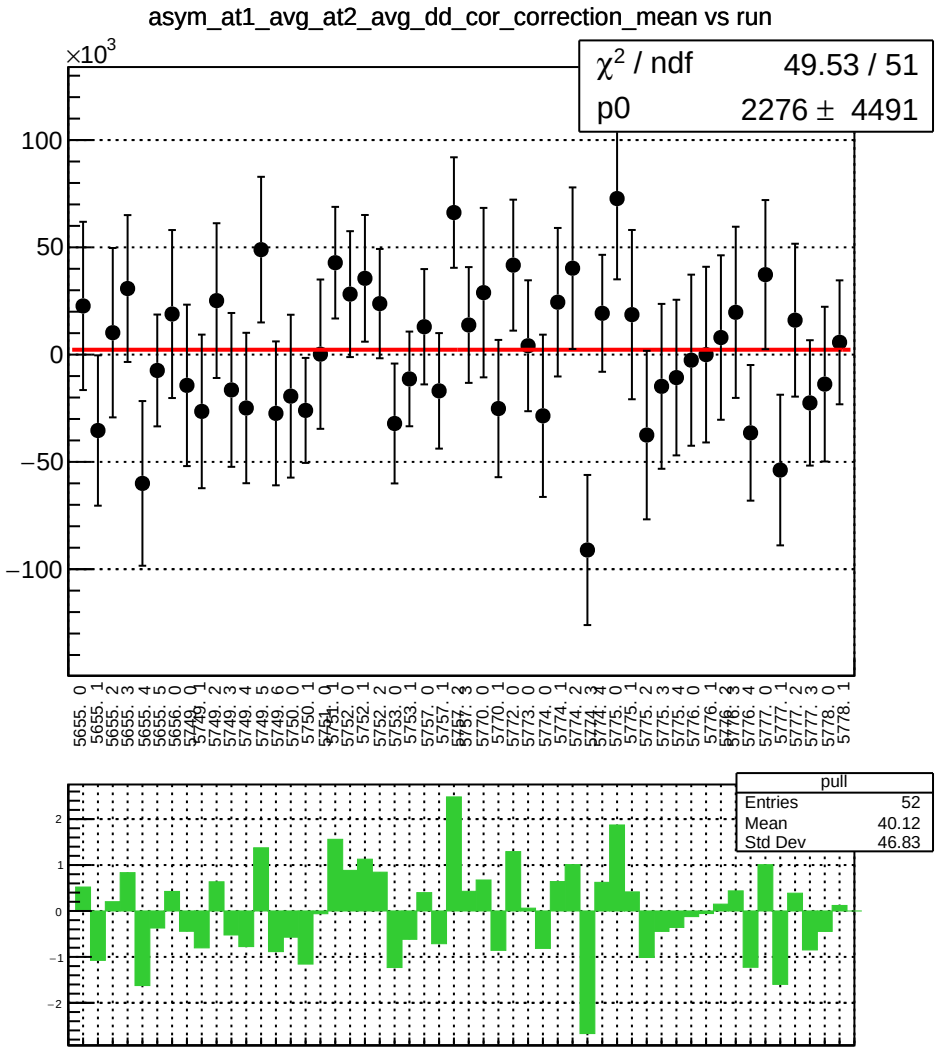

pull1D
Entries 52
Mean −0.01712
Std Dev 0.9758
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

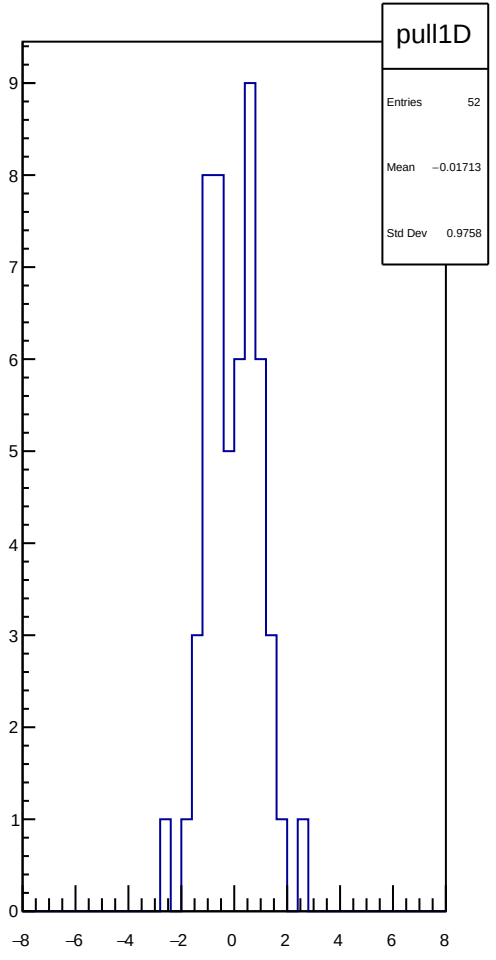

asym_at1_avg_at2_avg_dd_reg_correction_rms vs run
χ² / ndf 1.774e+04 / 51
p0 3298 ± 3.176
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

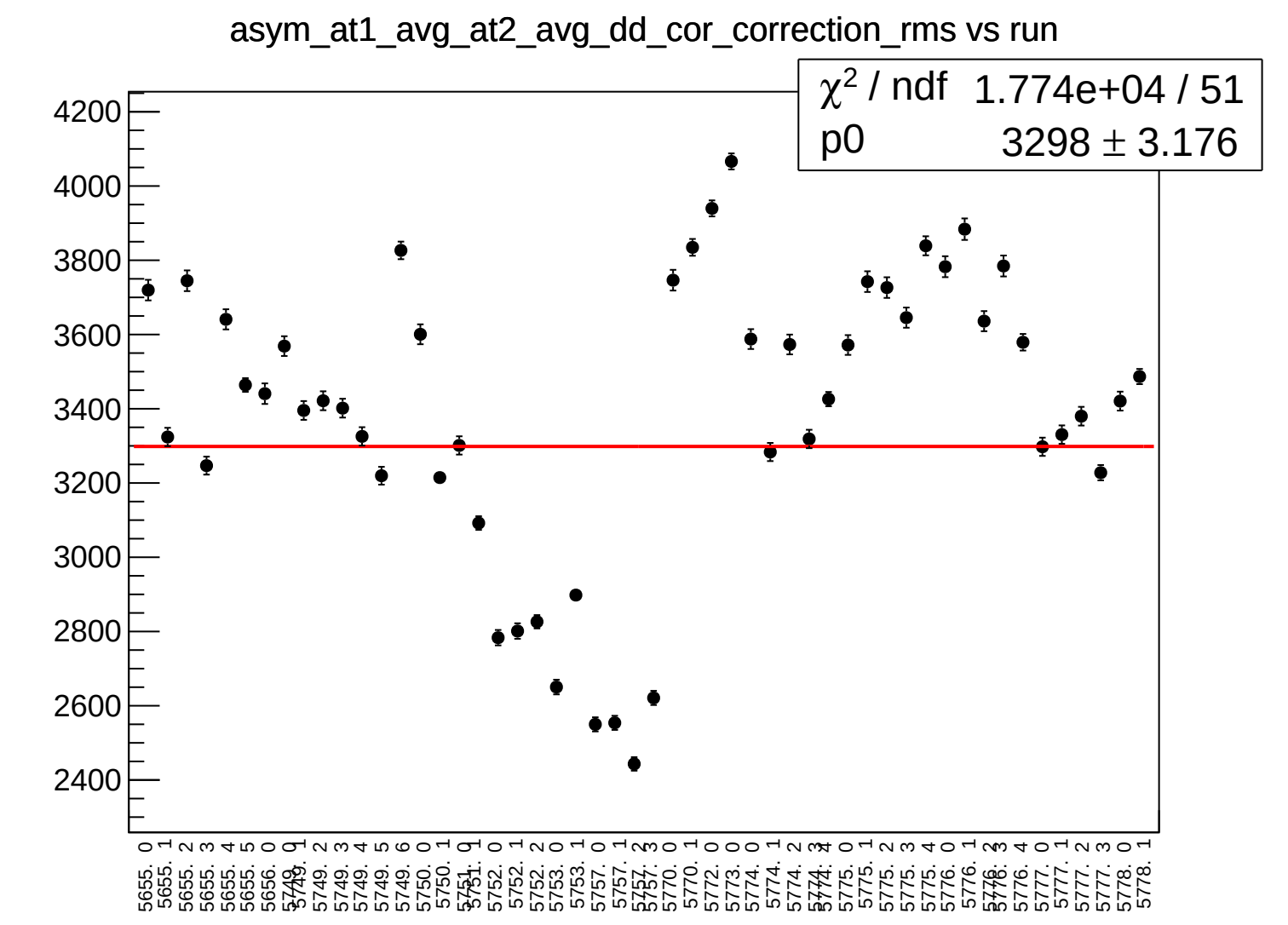

cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 68.19 / 51
p0 1663 ± 1804
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 51.89
Std Dev 55.46
3
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.007474
Std Dev 1.145
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
χ² / ndf 2312 / 51
p0 1335 ± 1.276
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_at1_avg_at2_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 49.53 / 51
p0 2276 ± 4491
100
50
0
−50
−100
pull
Entries 52
Mean 40.12
Std Dev 46.83
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.01713
Std Dev 0.9758
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_avg_at2_avg_dd_cor_correction_rms vs run
χ² / ndf 1.774e+04 / 51
p0 3298 ± 3.176
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 2
5776. 3
5776. 4
5777. 0
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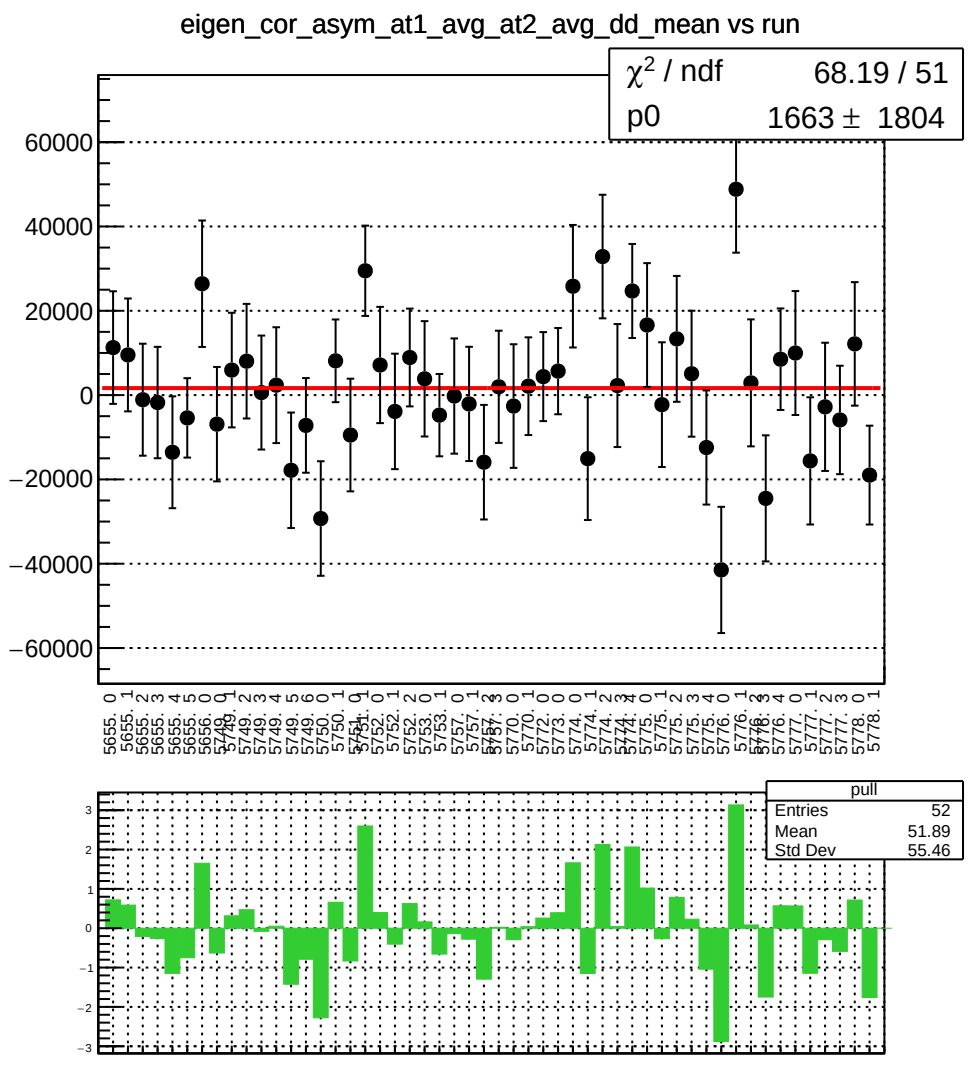
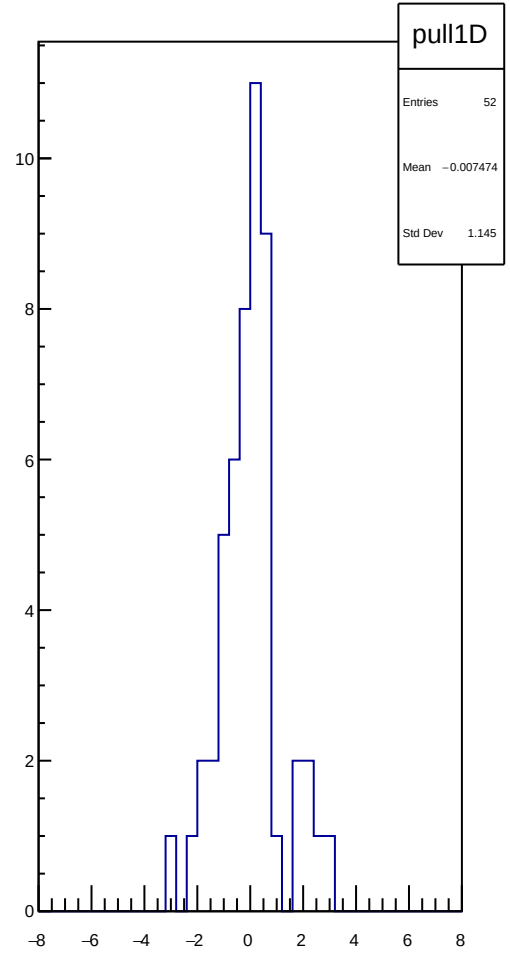
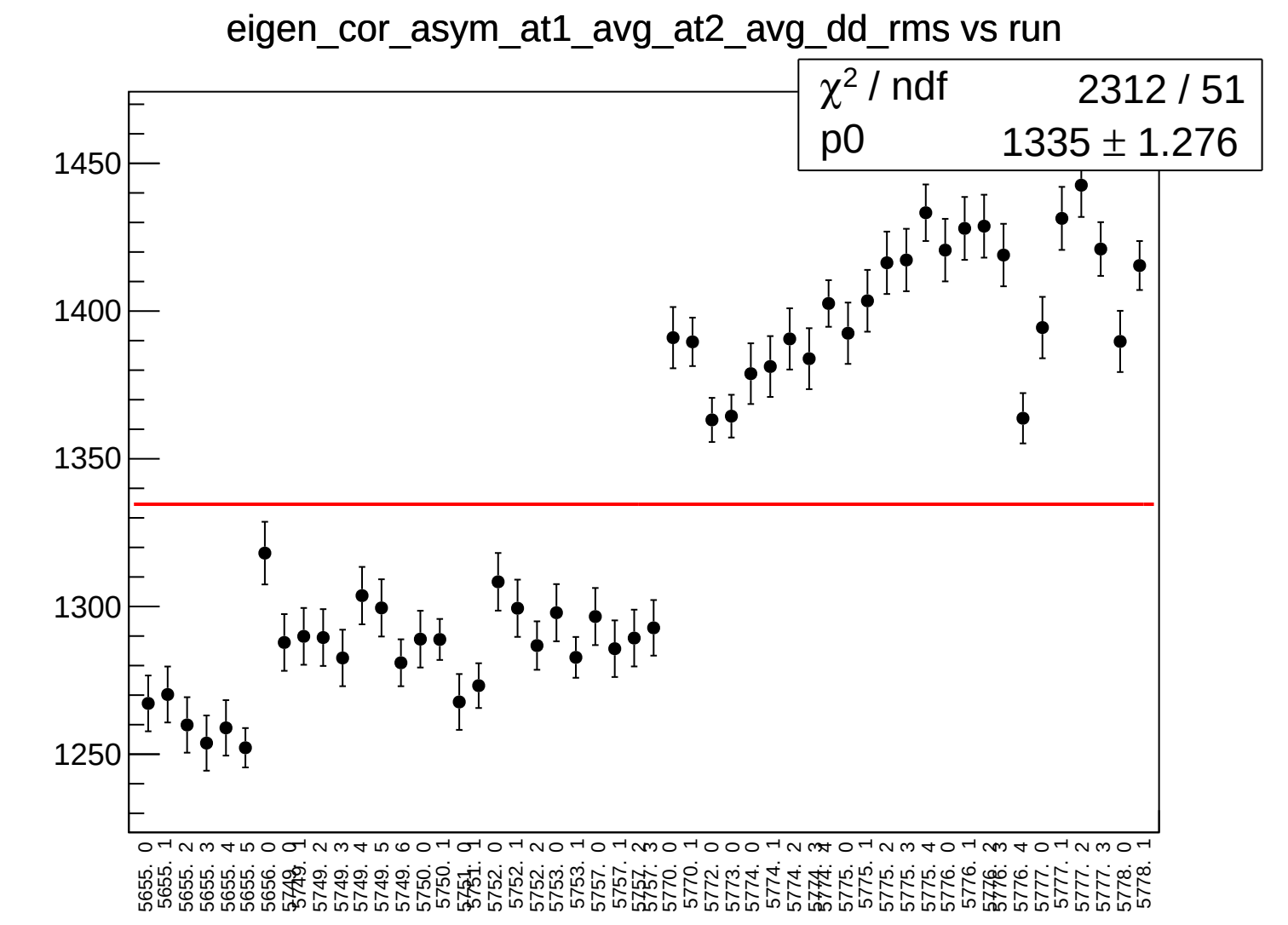
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 68.19 / 51
p0 1663 ± 1804
pull
Entries 52
Mean 51.89
Std Dev 55.46


pull1D
Entries 52
Mean −0.007474
Std Dev 1.145


eigen_cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 2312 / 51
p0 1335 ± 1.276
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
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5751. 0
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5752. 0
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5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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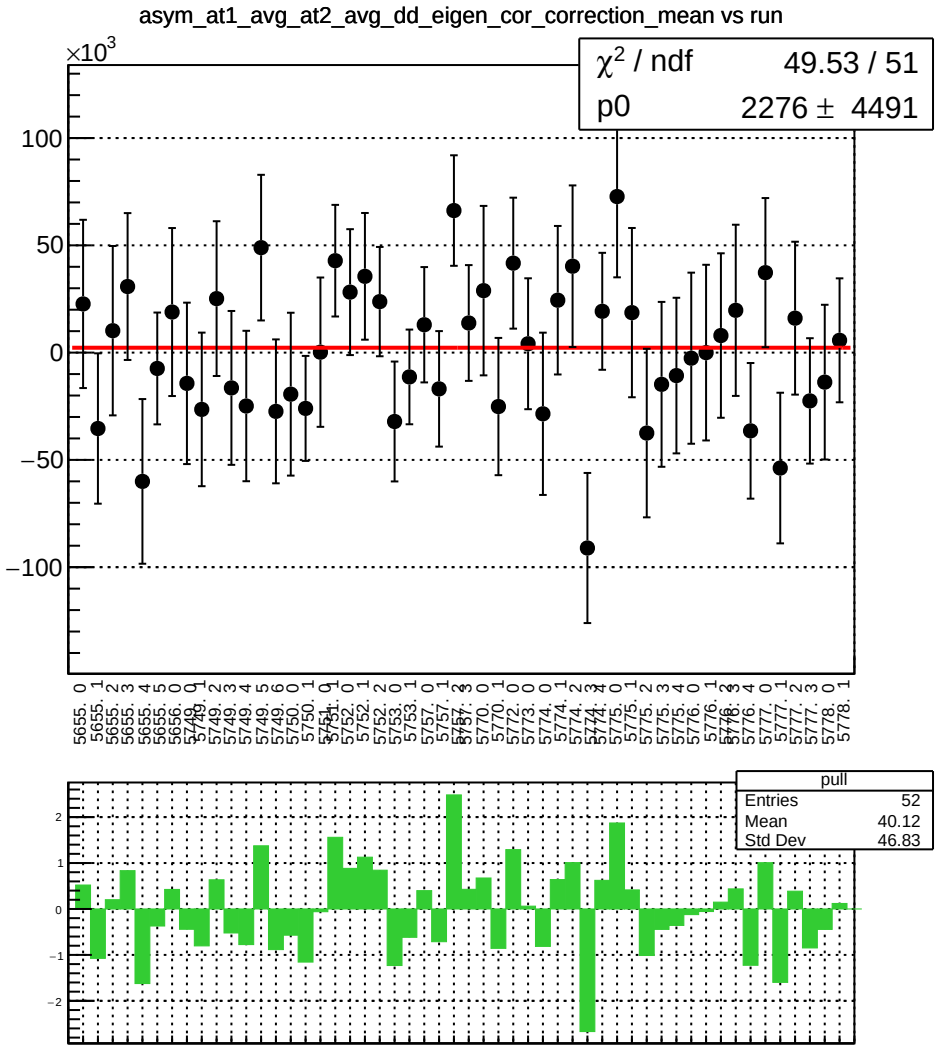
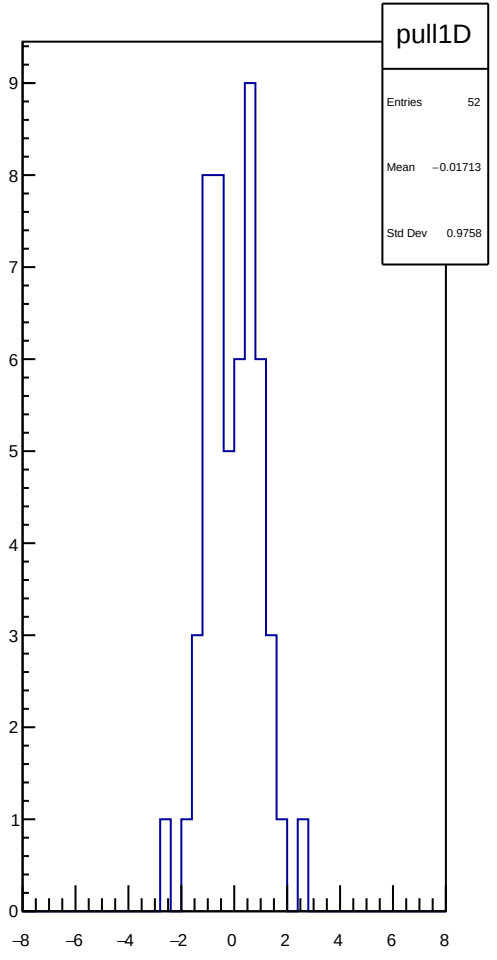
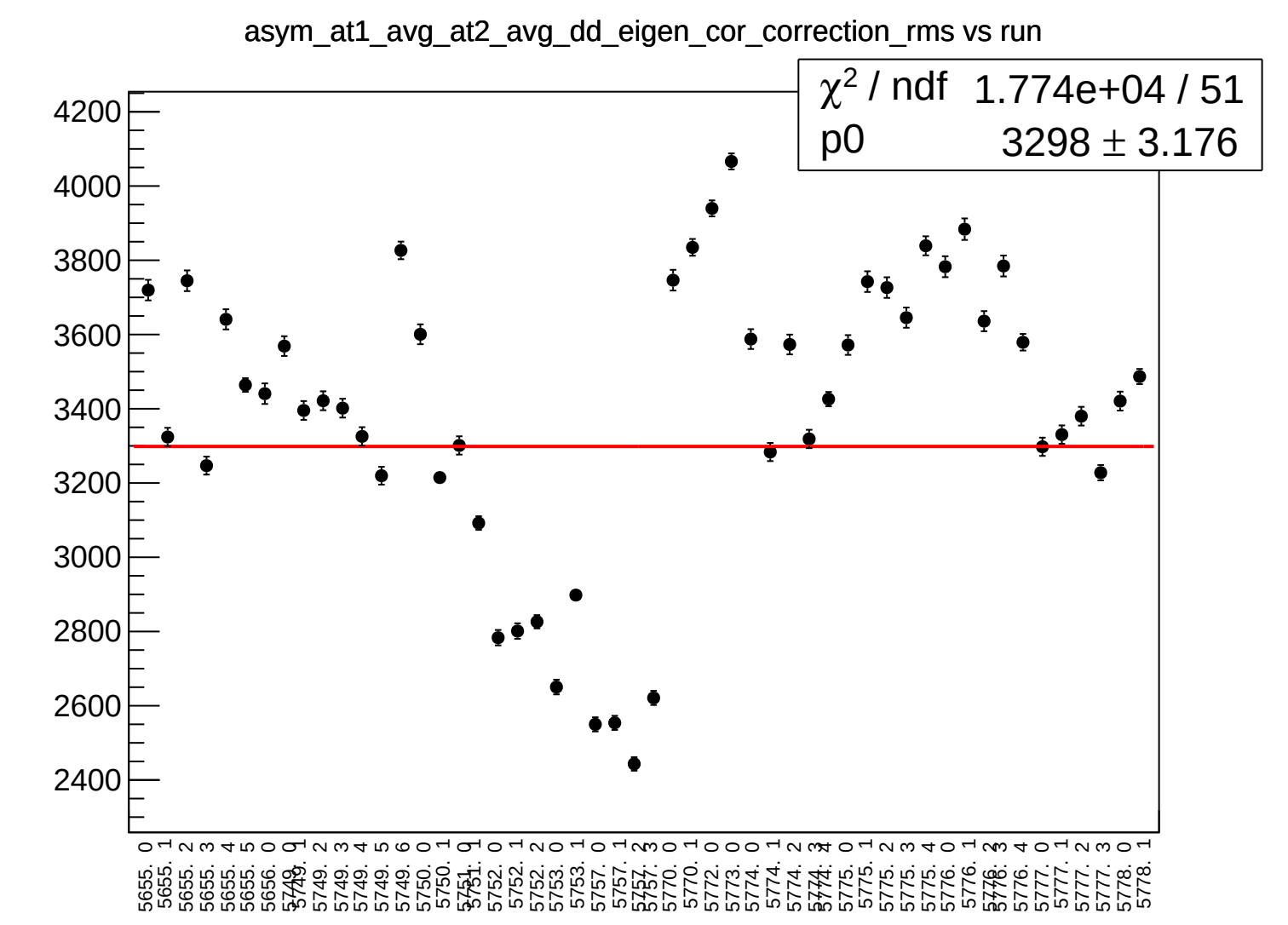
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 49.53 / 51
p0 2276 ± 4491
100
50
0
−50
−100
pull
Entries 52
Mean 40.12
Std Dev 46.83
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.01713
Std Dev 0.9758
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.774e+04 / 51
p0 3298 ± 3.176
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
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5770. 0
5770. 1
5772. 0
5773. 0
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5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
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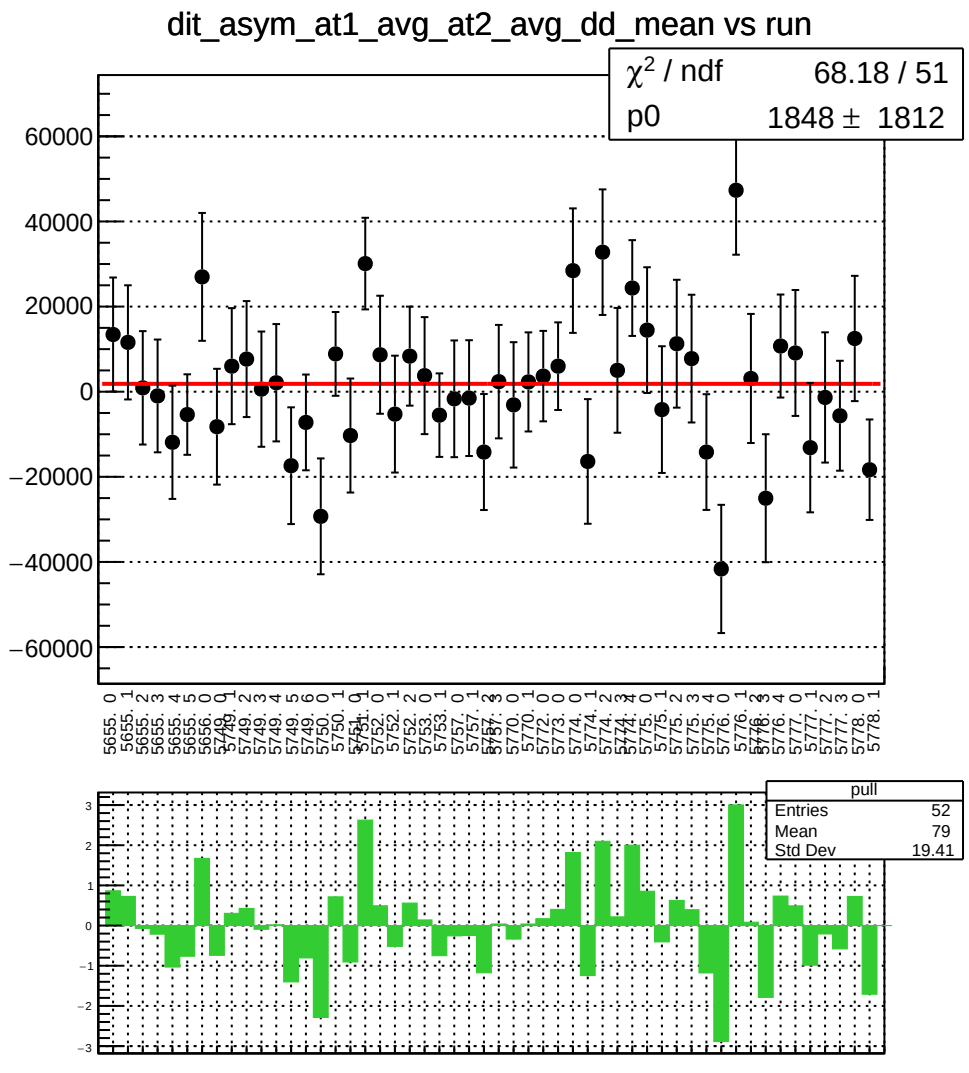
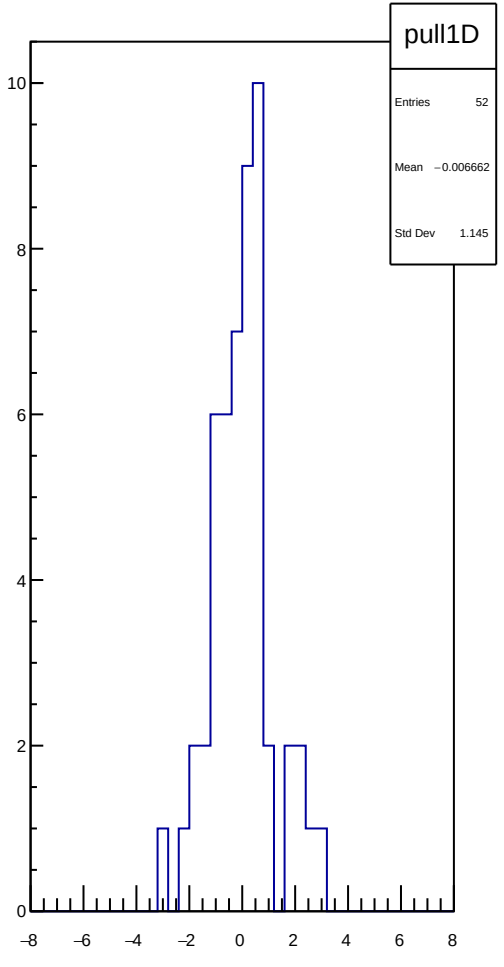
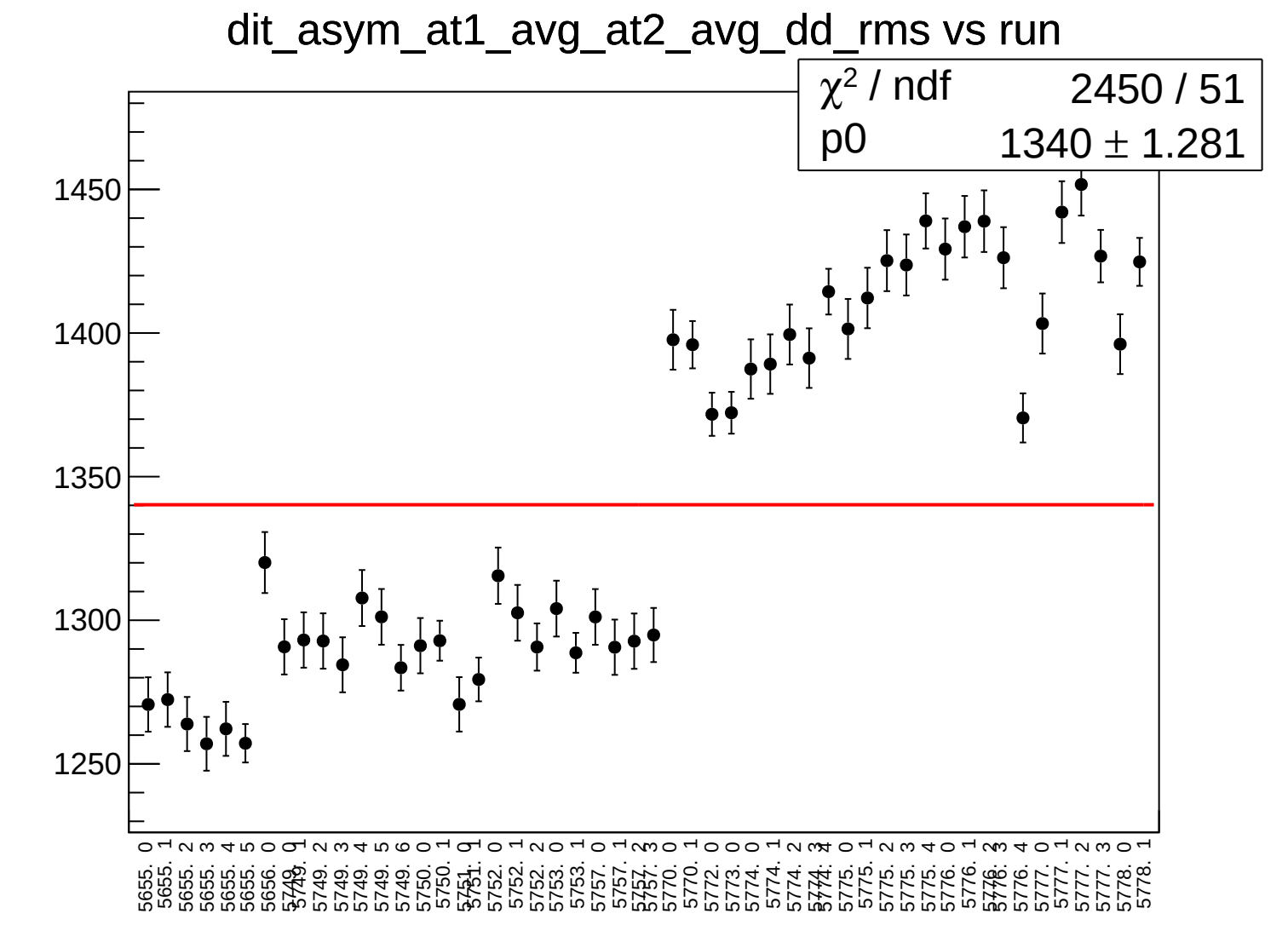
5777. 2
5777. 3
5778. 0
5778. 1


dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 68.18 / 51
p0 1848 ± 1812
pull
Entries 52
Mean 79
Std Dev 19.41


pull1D
Entries 52
Mean −0.006662
Std Dev 1.145


dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 2450 / 51
p0 1340 ± 1.281
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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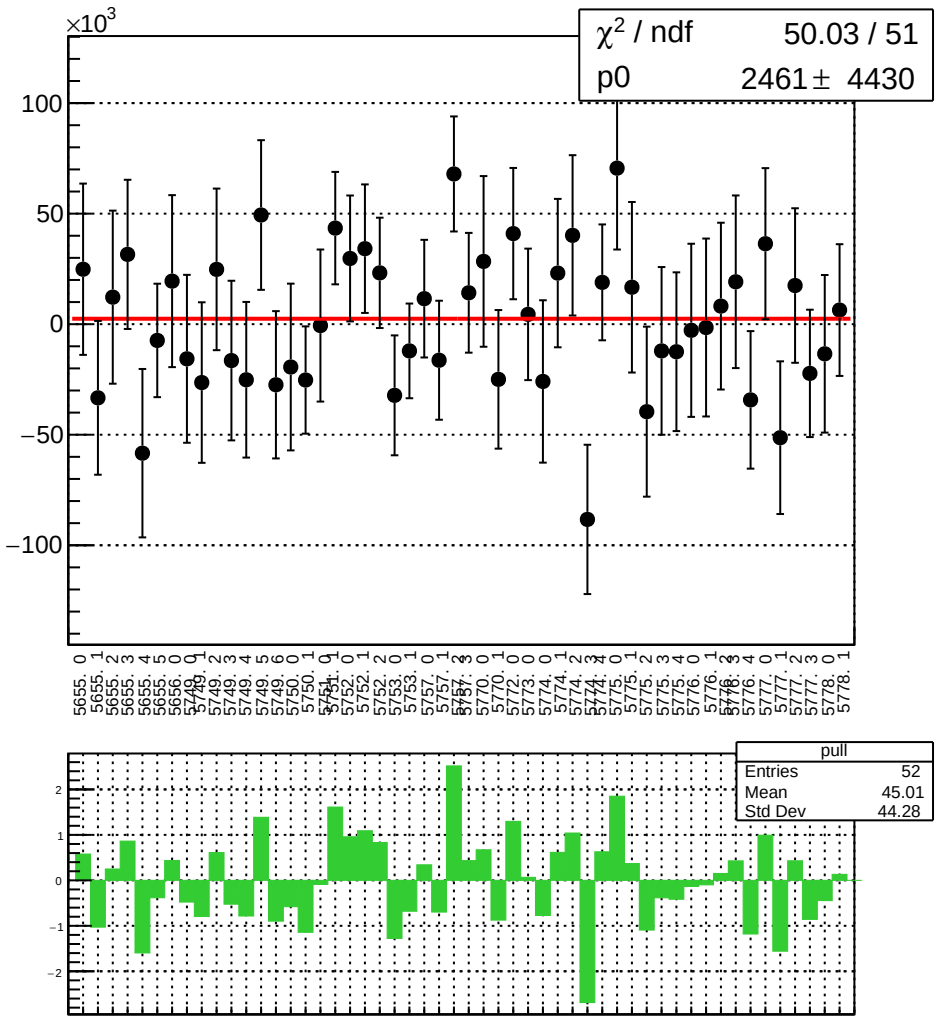
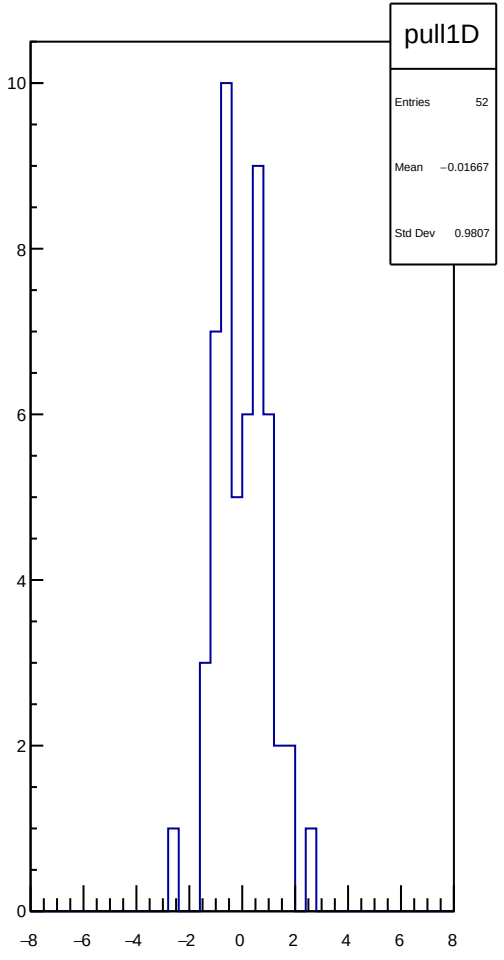
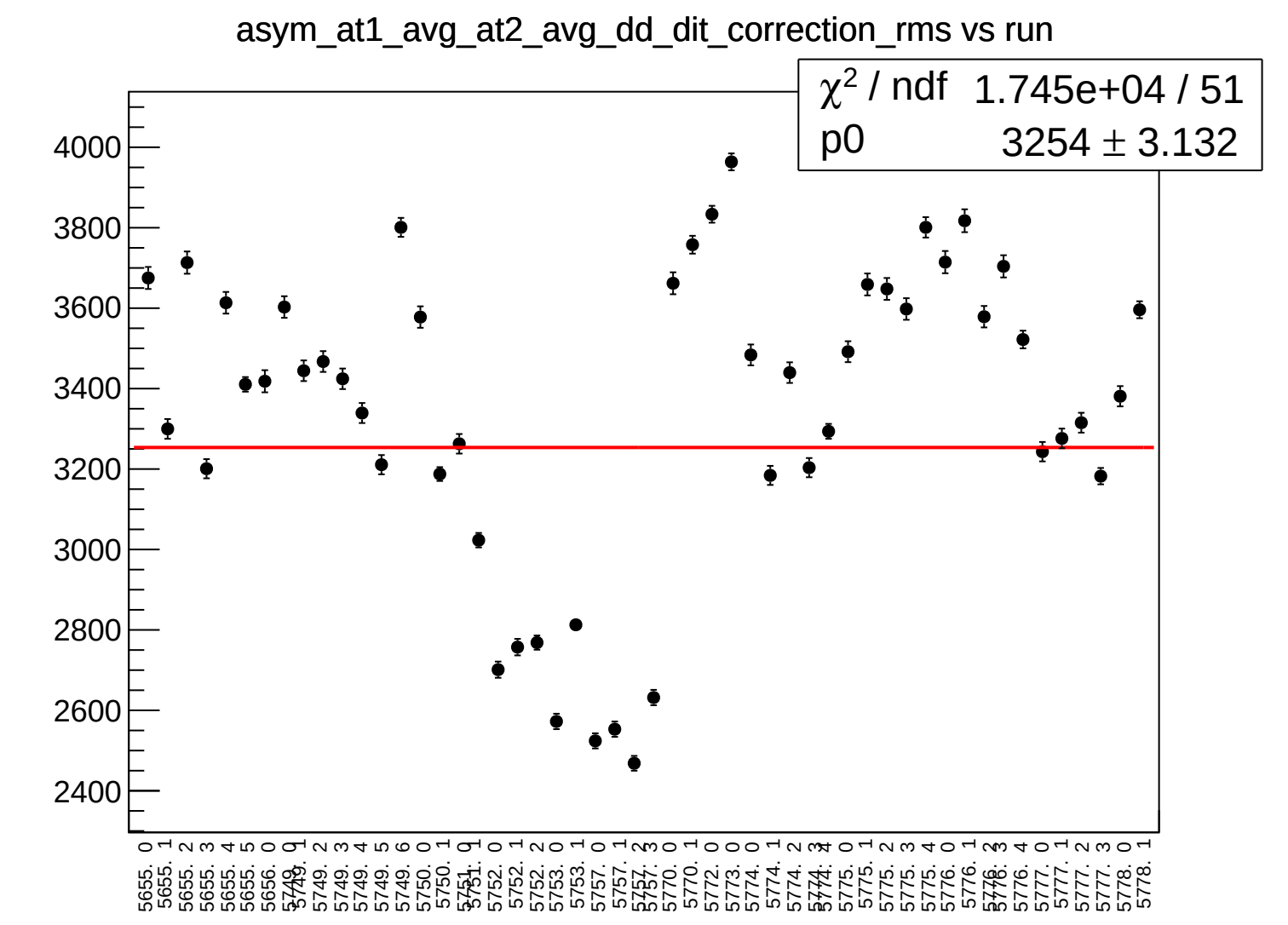
5777. 2
5777. 3
5778. 0
5778. 1


asym_at1_avg_at2_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 50.03 / 51
p0 2461 ± 4430
100
50
0
−50
−100
pull
Entries 52
Mean 45.01
Std Dev 44.28
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.01667
Std Dev 0.9807
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_avg_at2_avg_dd_dit_correction_rms vs run
χ² / ndf 1.745e+04 / 51
p0 3254 ± 3.132
4000
3800
3600
3400
3200
3000
2800
2600
2400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
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5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
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5752. 0
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5775. 3
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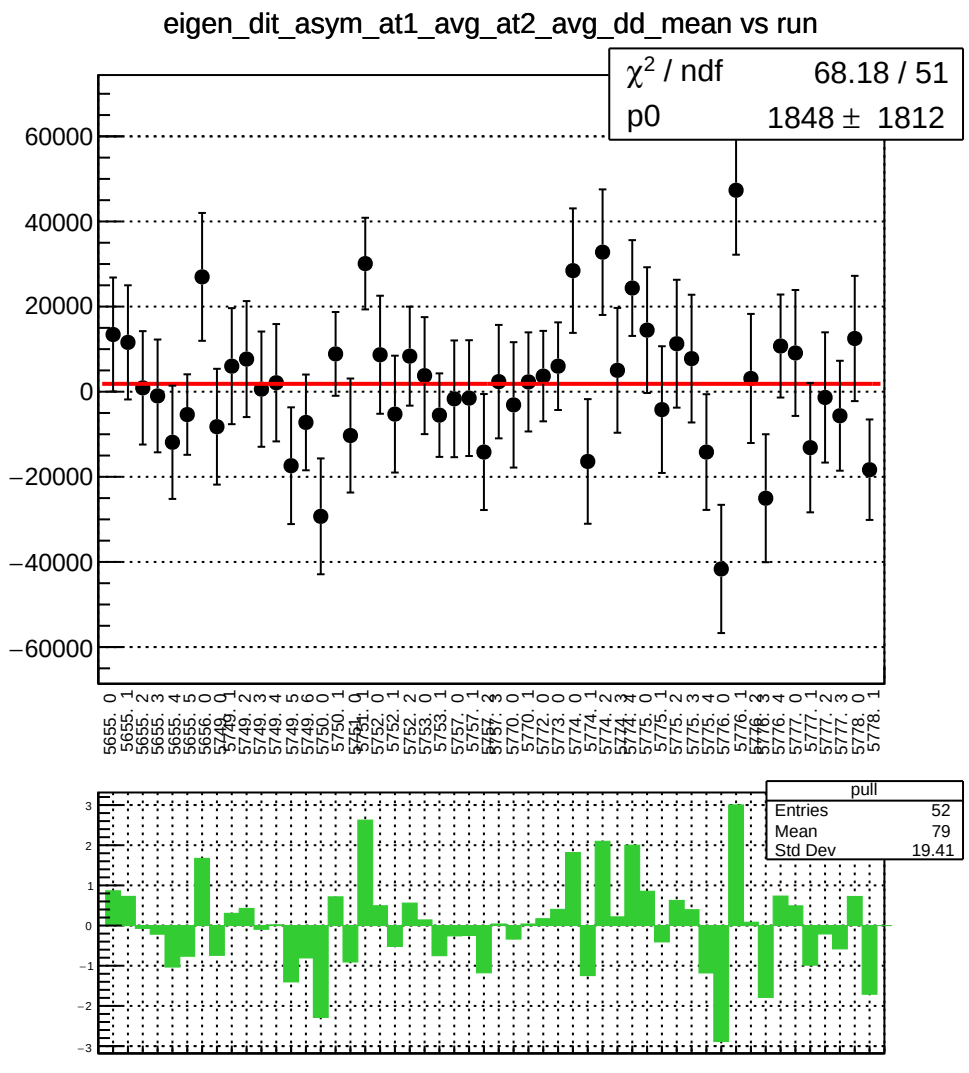
eigen_dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 68.18 / 51
p0 1848 ± 1812
60000
40000
20000
0
−20000
−40000
−60000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
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5749. 6
5750. 0
5750. 1
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5751. 1
5752. 0
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5757. 1
5757. 2
5757. 3
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5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
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5776. 2
5776. 3
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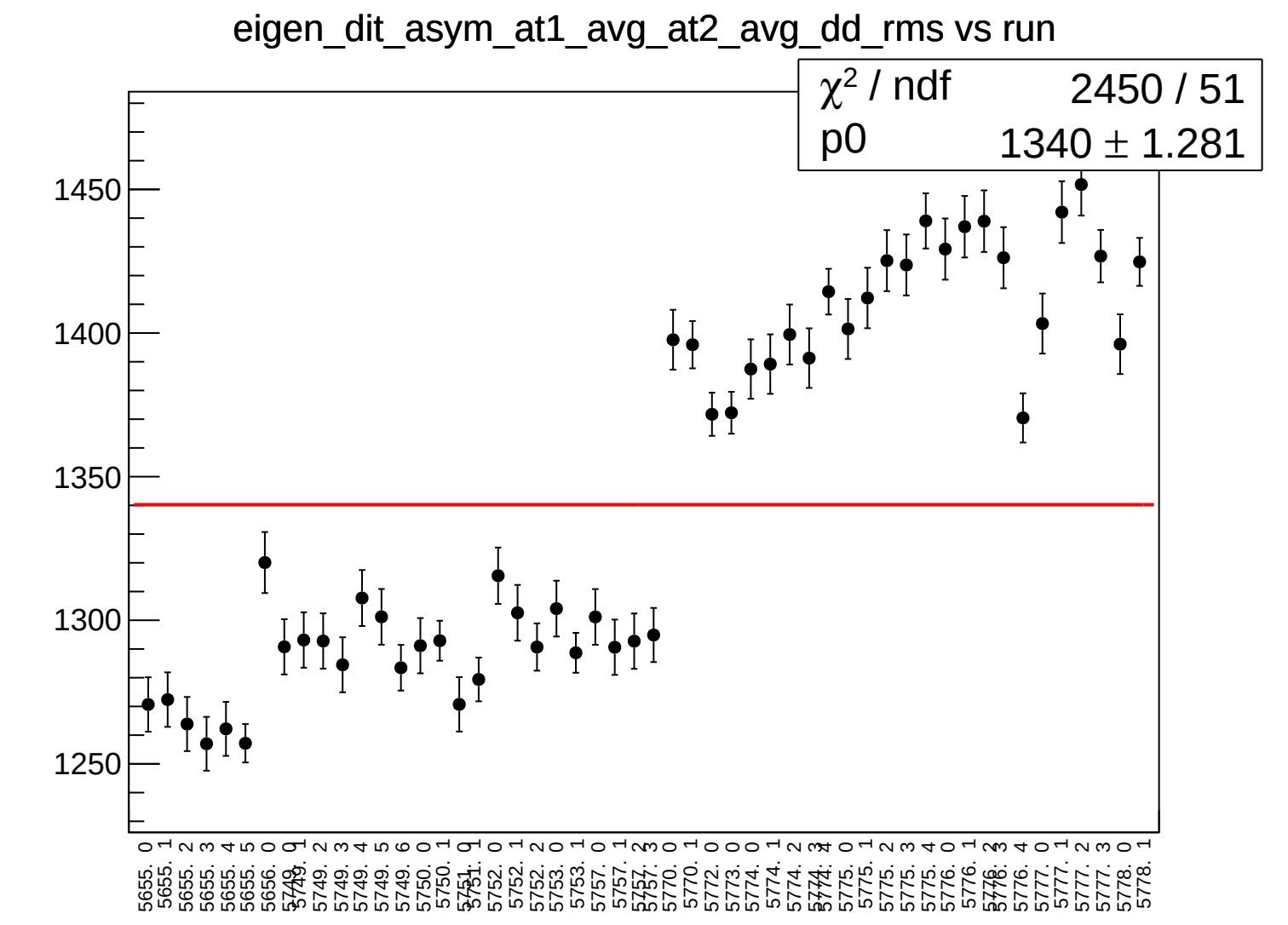
5777. 2
5777. 3
5778. 0
5778. 1
pull
Entries 52
Mean 79
Std Dev 19.41
3
2
1
0
−1
−2
−3
pull1D
Entries 52
Mean −0.006662
Std Dev 1.145
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 2450 / 51
p0 1340 ± 1.281
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
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5757. 3
5770. 0
5770. 1
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
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5775. 4
5776. 0
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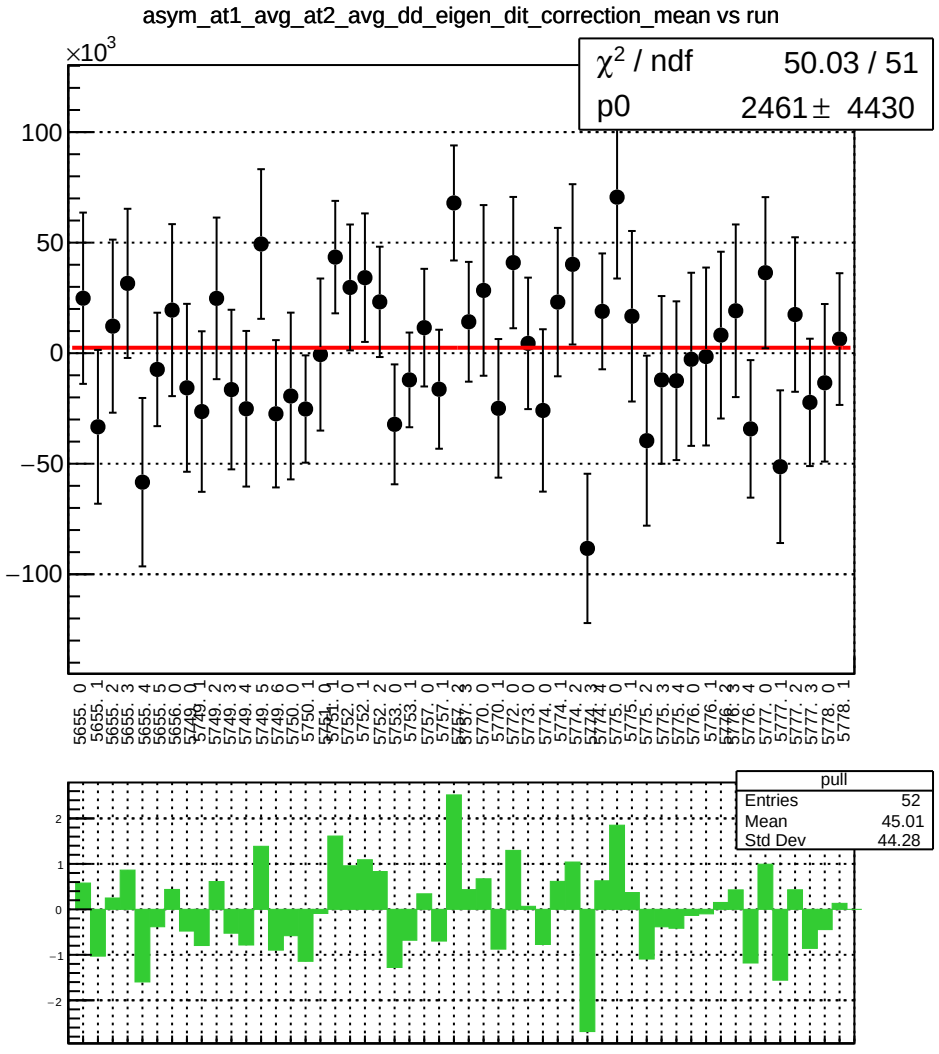
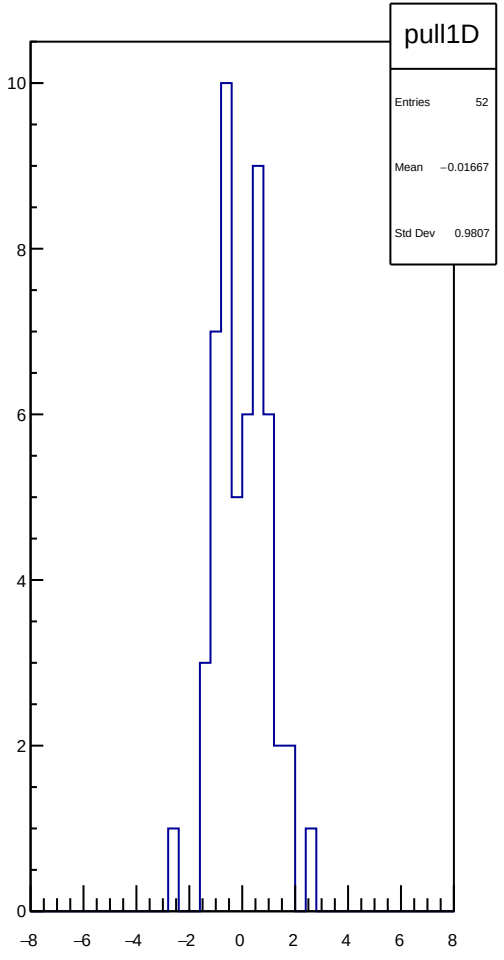
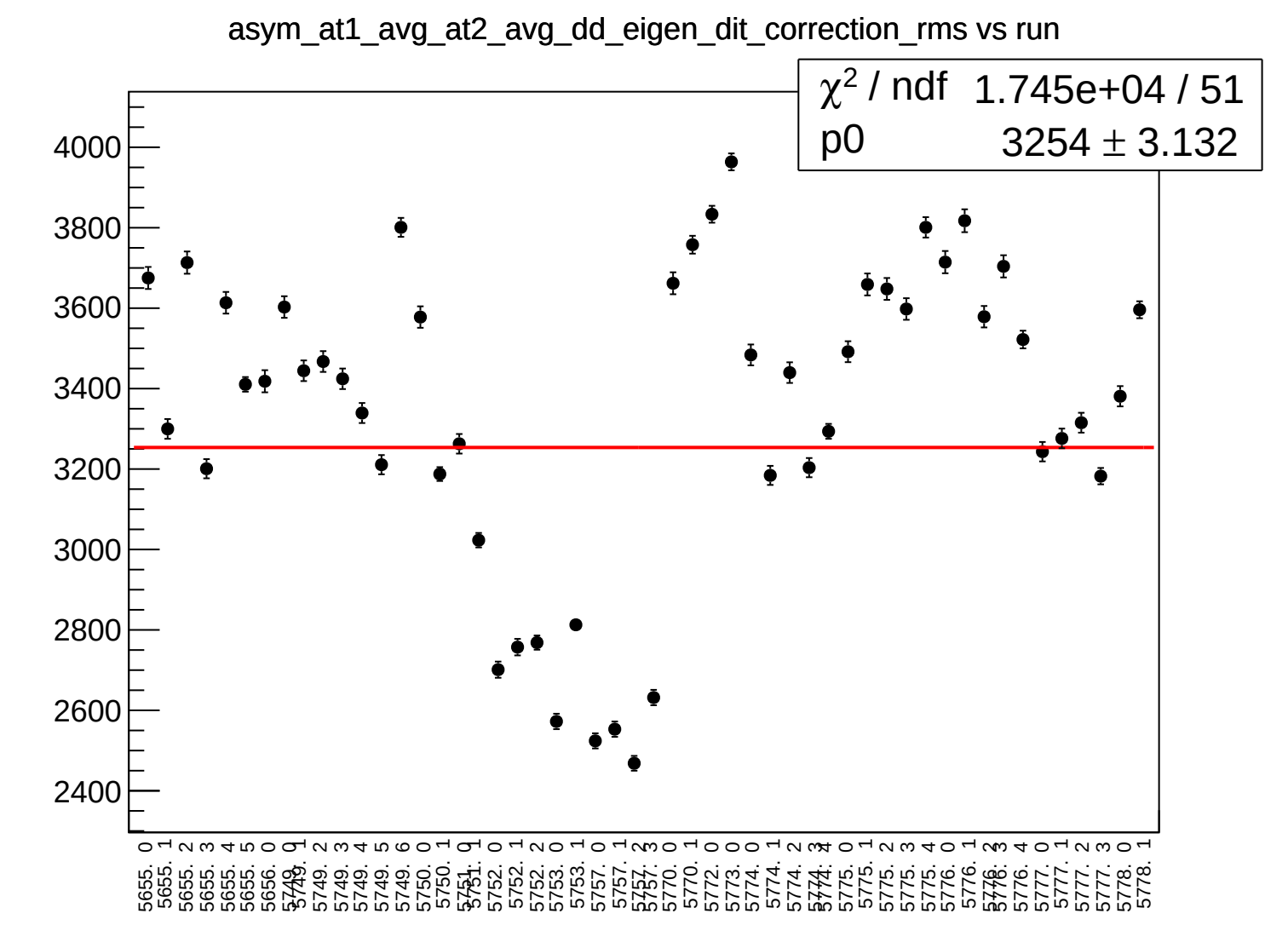
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 50.03 / 51
p0 2461 ± 4430
100
50
0
−50
−100
pull
Entries 52
Mean 45.01
Std Dev 44.28
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.01667
Std Dev 0.9807
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.745e+04 / 51
p0 3254 ± 3.132
4000
3800
3600
3400
3200
3000
2800
2600
2400
5655. 0
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5655. 2
5655. 3
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5656. 0
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5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
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5752. 0
5752. 1
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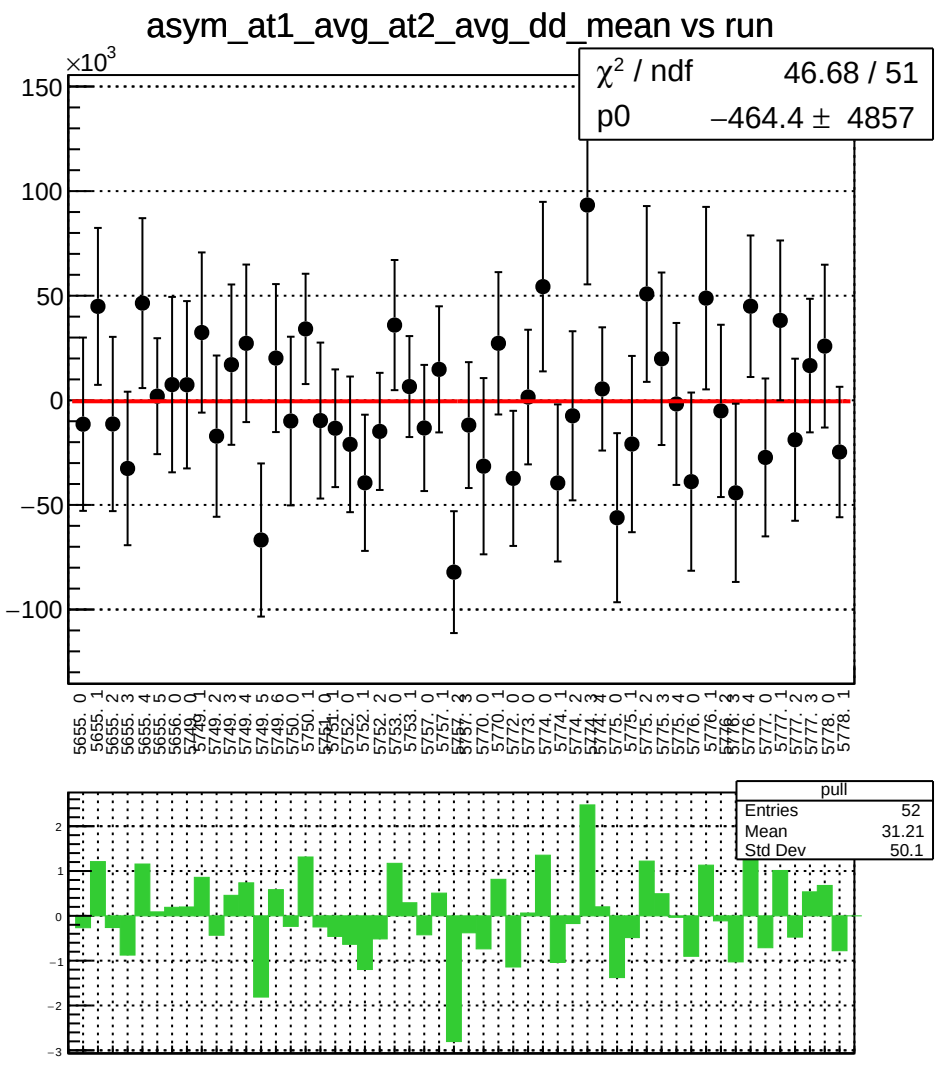
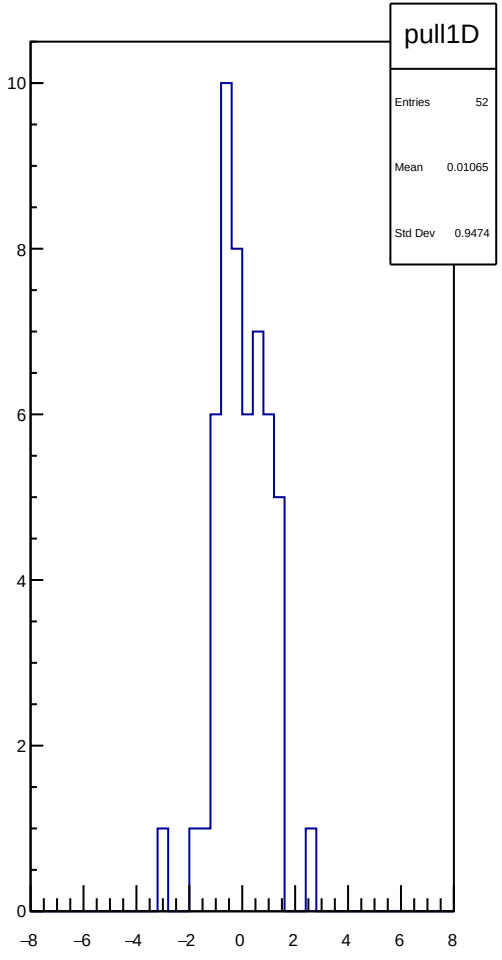
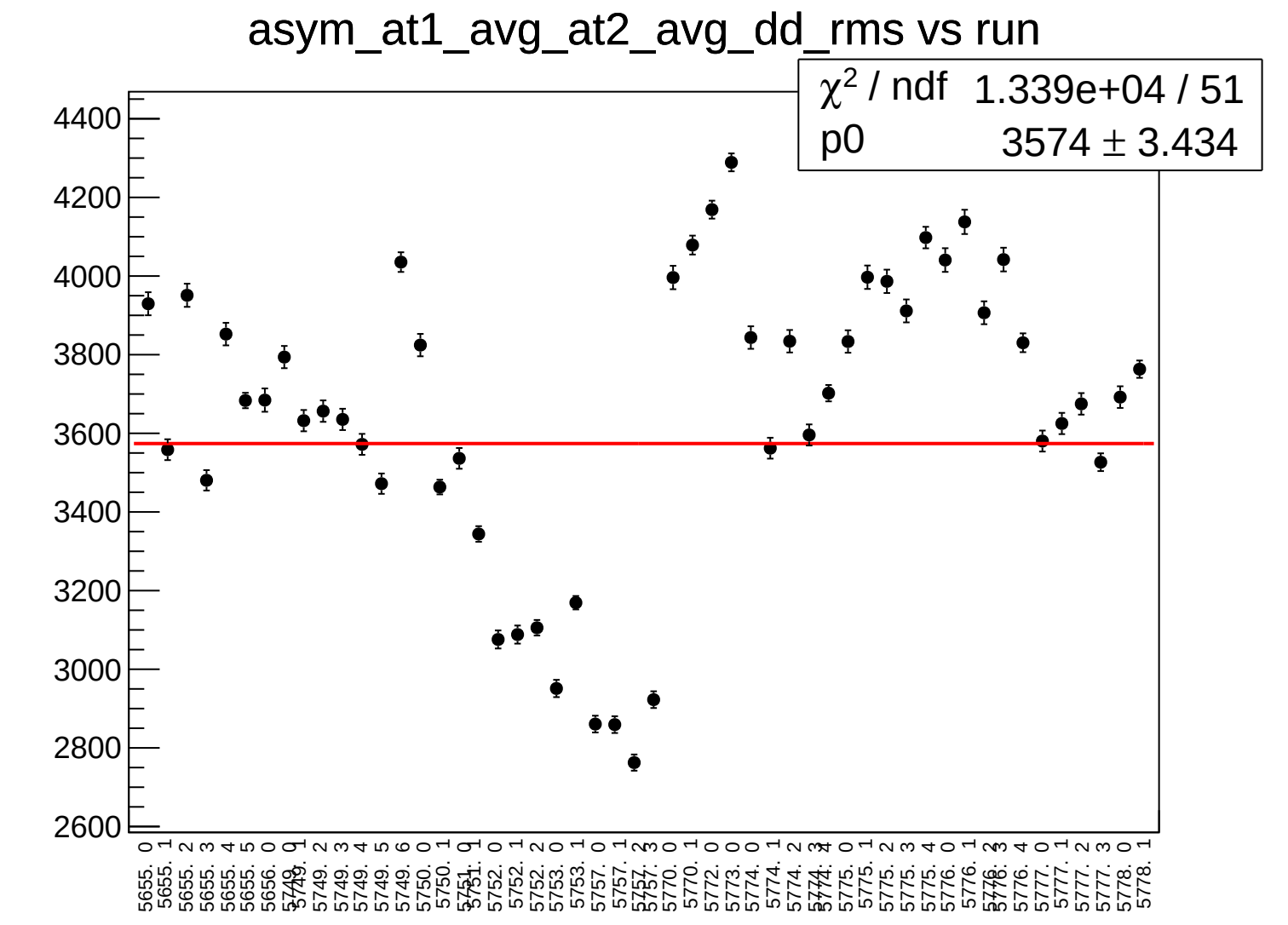
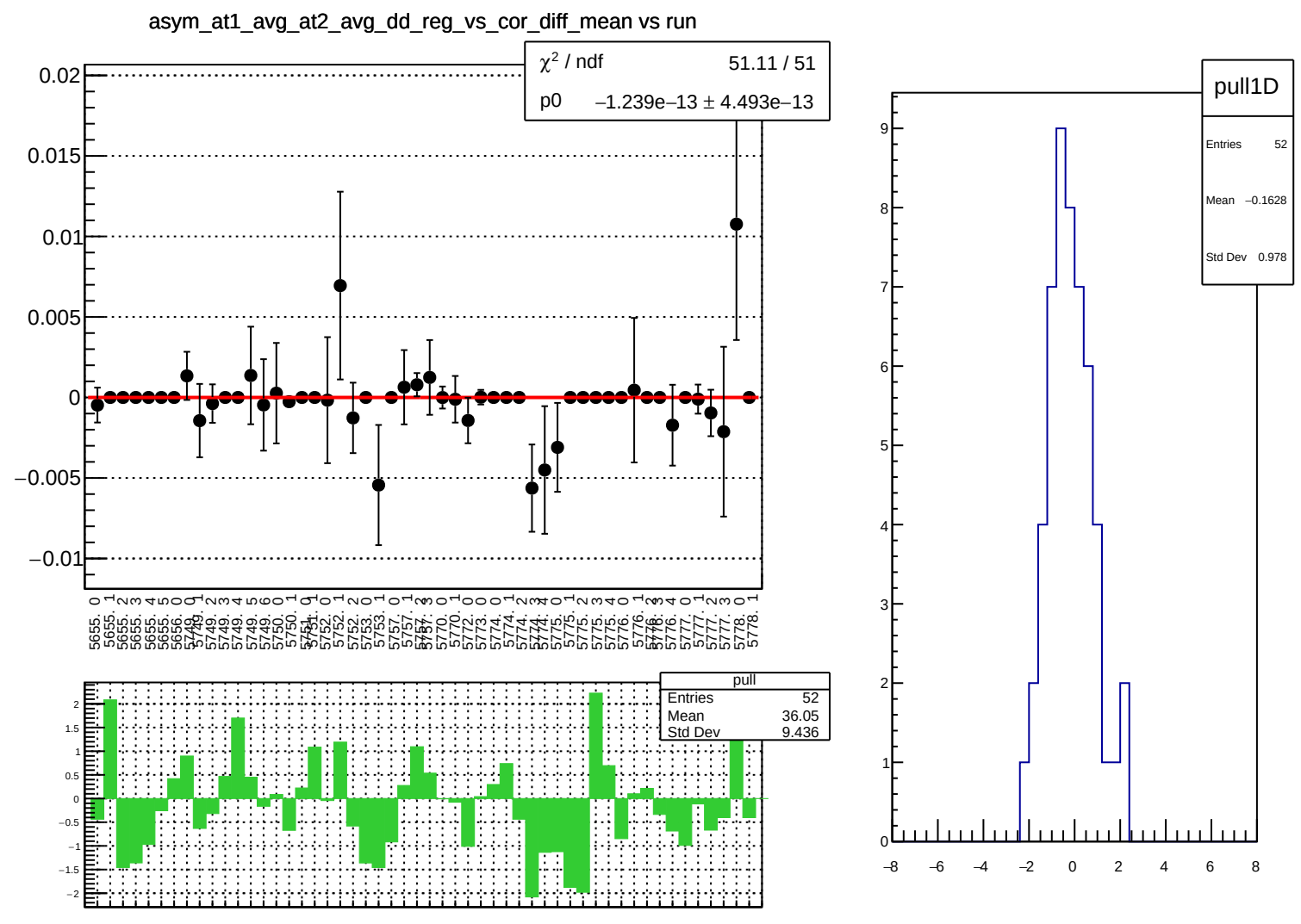
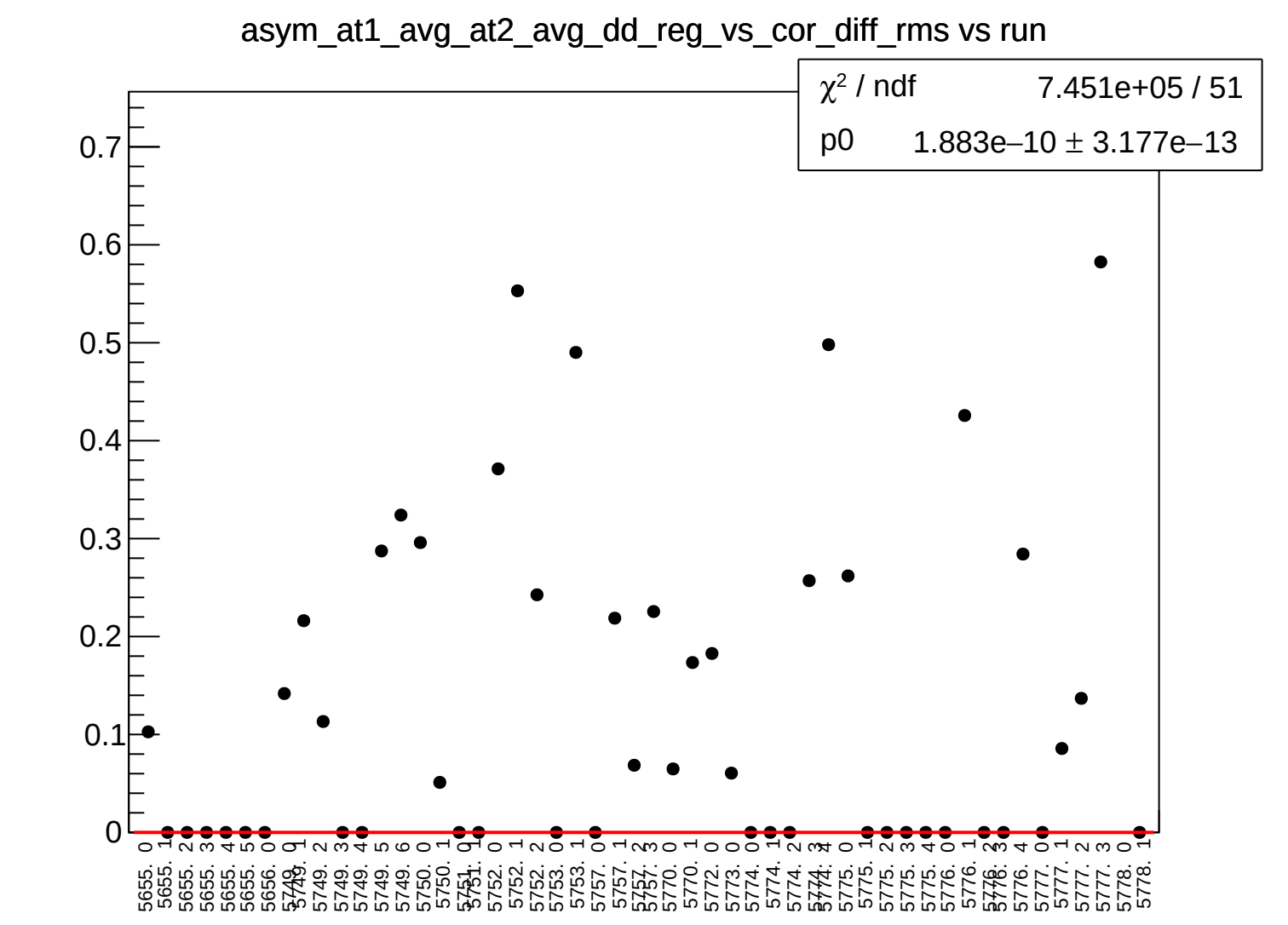
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

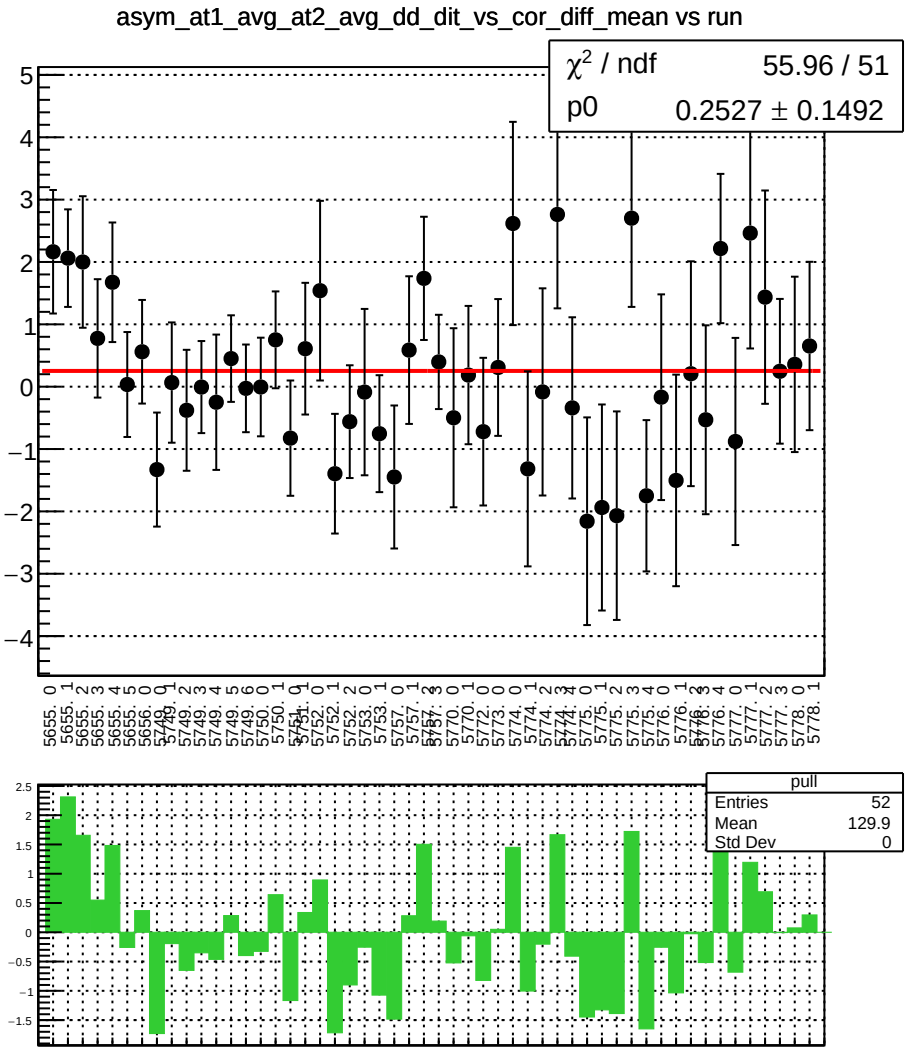

asym_at1_avg_at2_avg_dd_mean vs run
×10^3
χ² / ndf 46.68 / 51
p0 −464.4 ± 4857
150
100
50
0
−50
−100
pull
Entries 52
Mean 31.21
Std Dev 50.1
2
1
0
−1
−2
−3

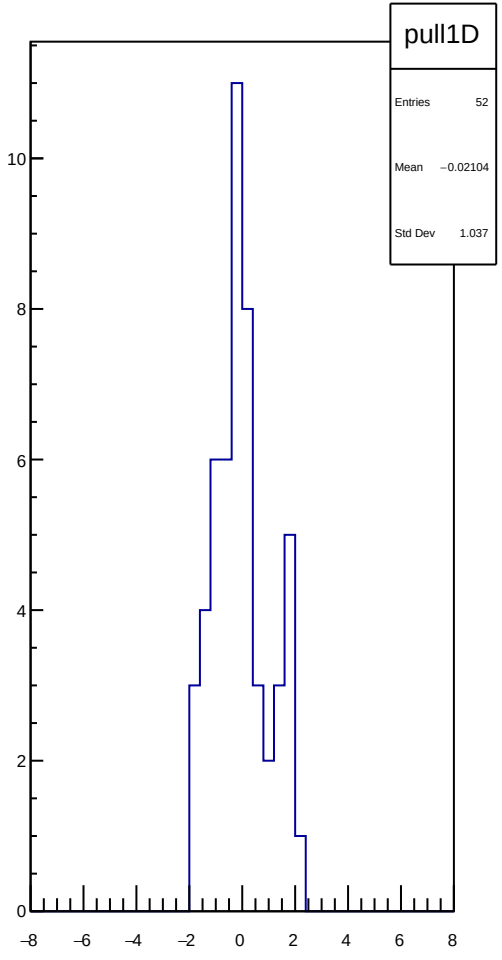

pull1D
Entries 52
Mean 0.01065
Std Dev 0.9474
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

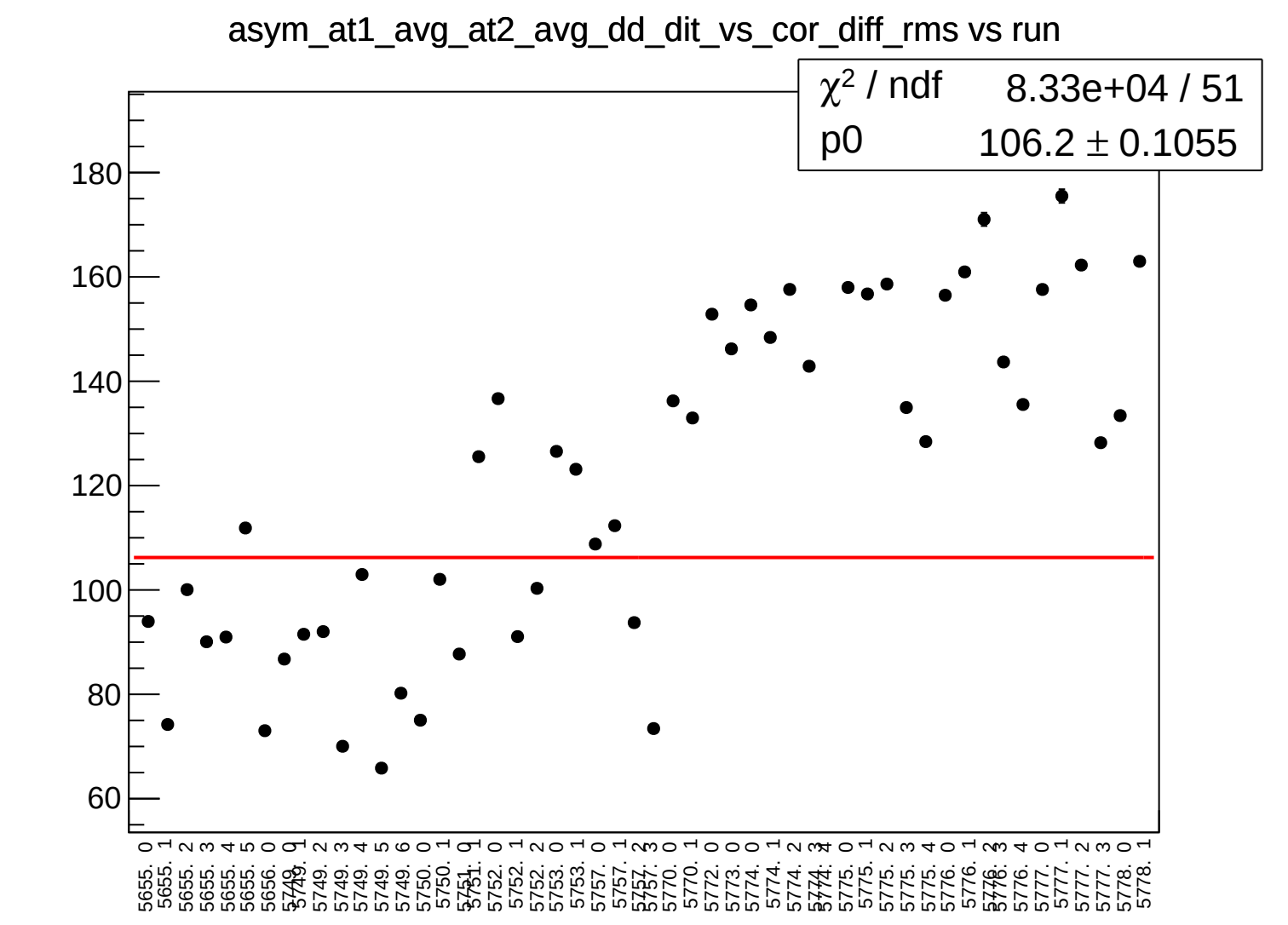

asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 1.339e+04 / 51
p0 3574 ± 3.434
4400
4200
4000
3800
3600
3400
3200
3000
2800
2600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

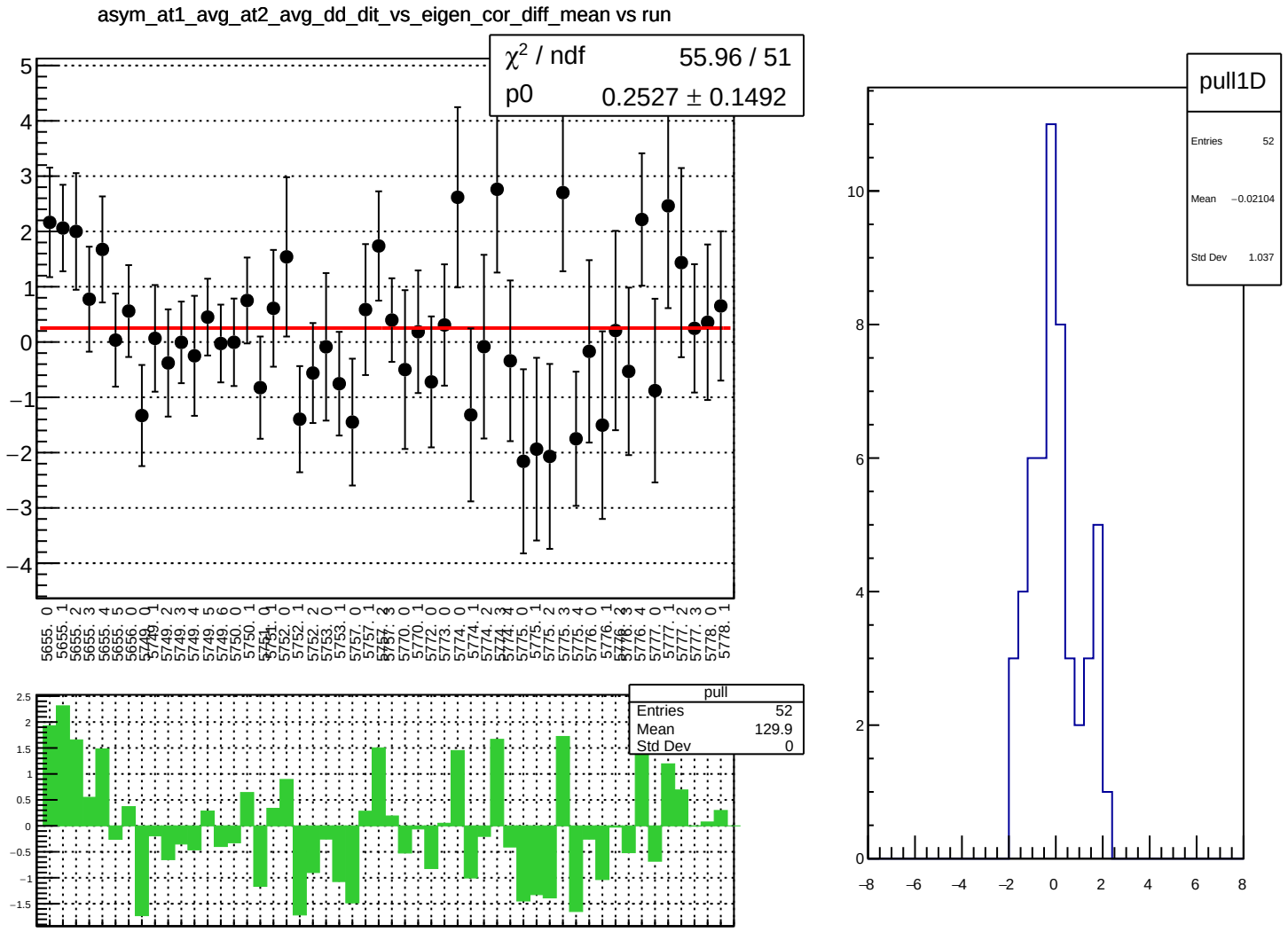

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 51.11 / 51
p0 −1.239e−13 ± 4.493e−13
pull
Entries 52
Mean 36.05
Std Dev 9.436
pull1D
Entries 52
Mean −0.1628
Std Dev 0.978

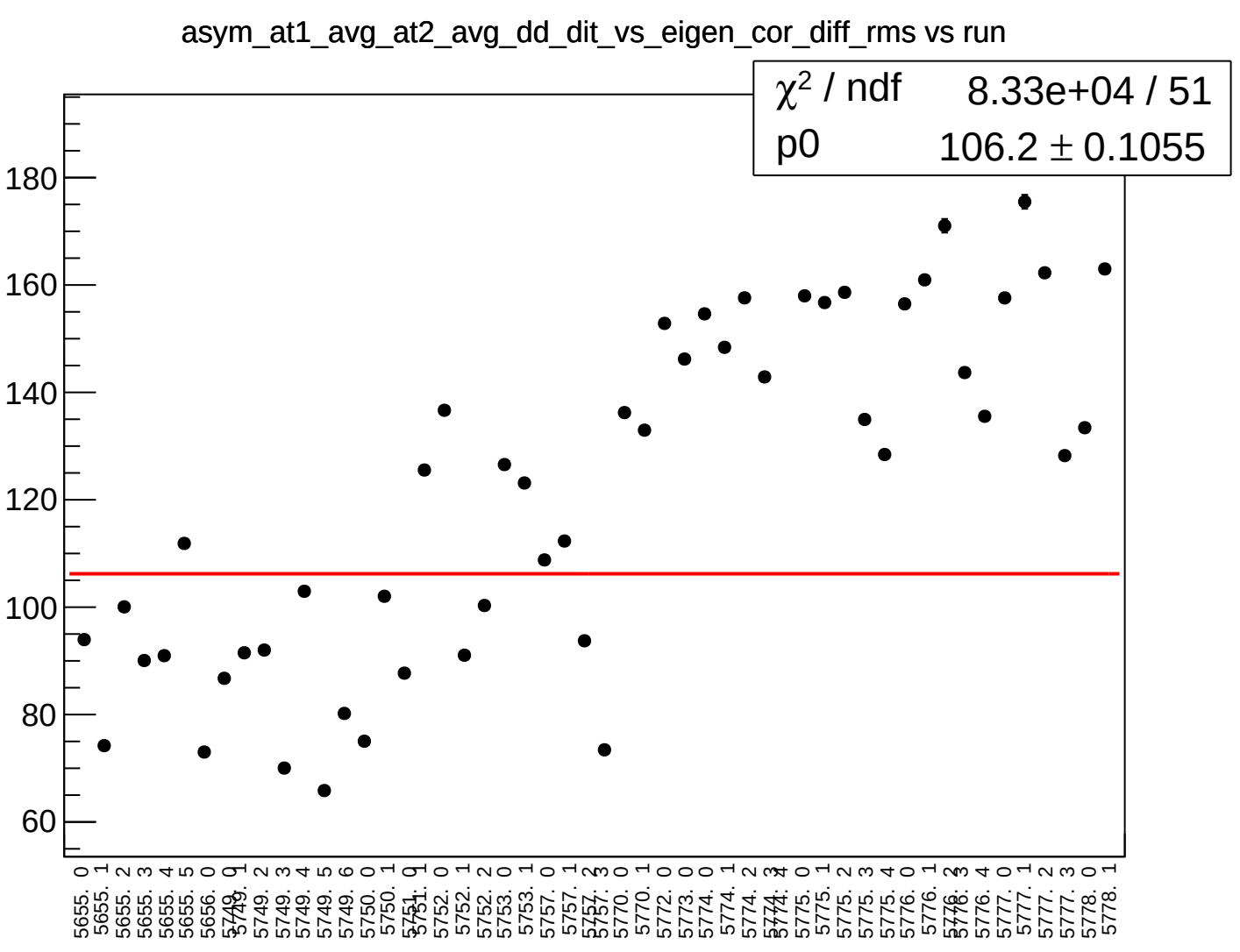

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.451e+05 / 51
p0 1.883e−10 ± 3.177e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

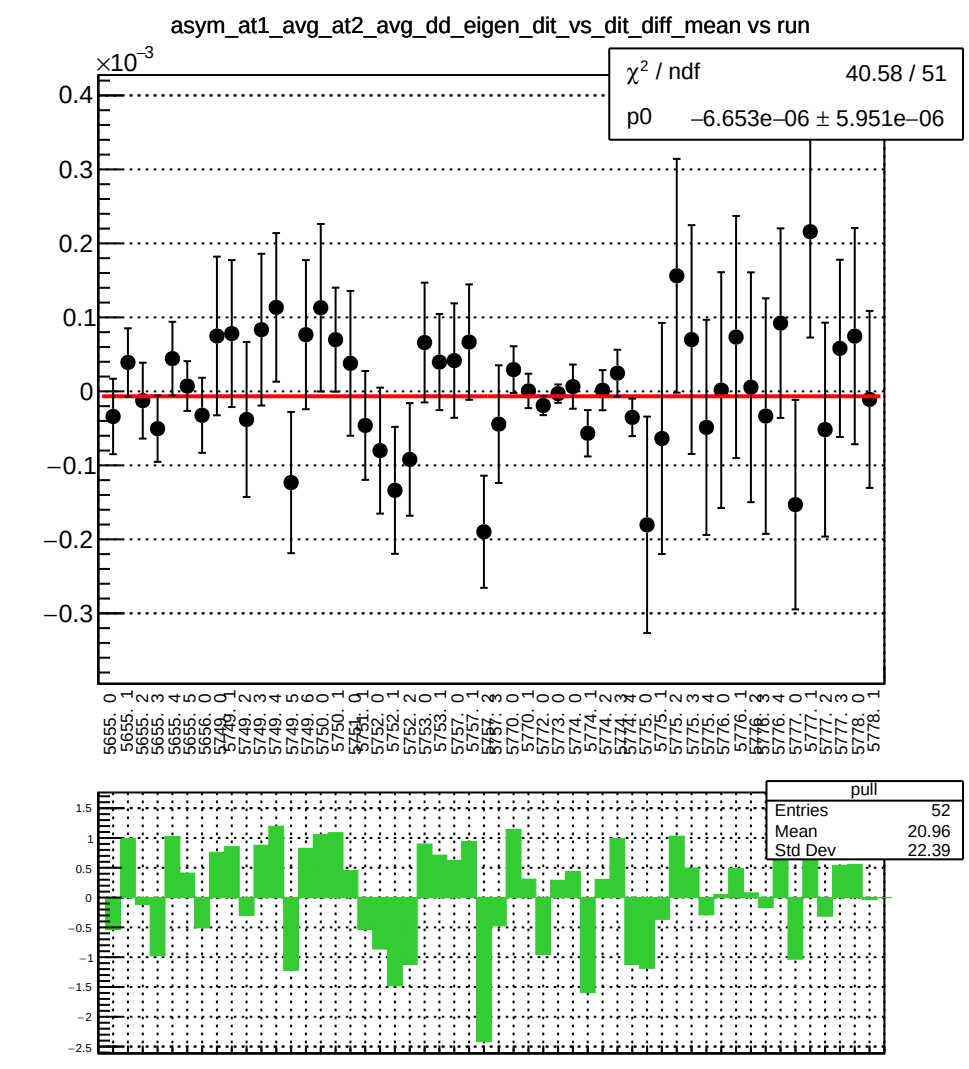

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 55.96 / 51
p0 0.2527 ± 0.1492
pull
Entries 52
Mean 129.9
Std Dev 0

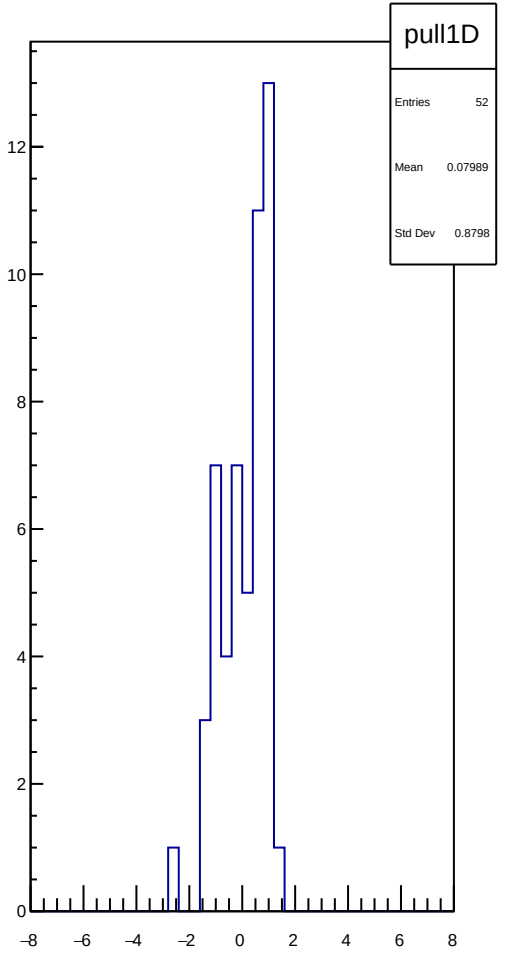

pull1D
Entries 52
Mean −0.02104
Std Dev 1.037

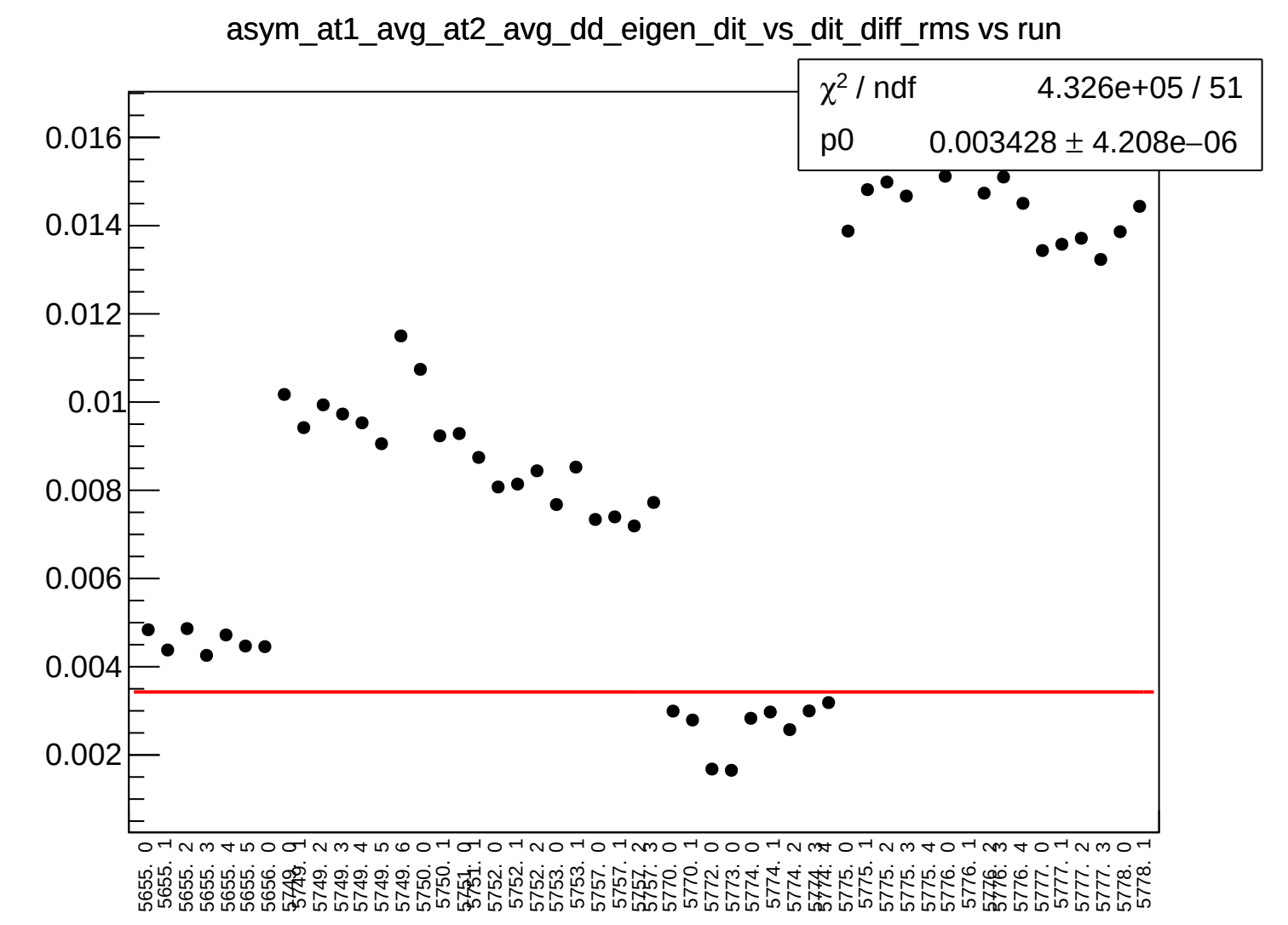

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 8.33e+04 / 51
p0 106.2 ± 0.1055
180
160
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

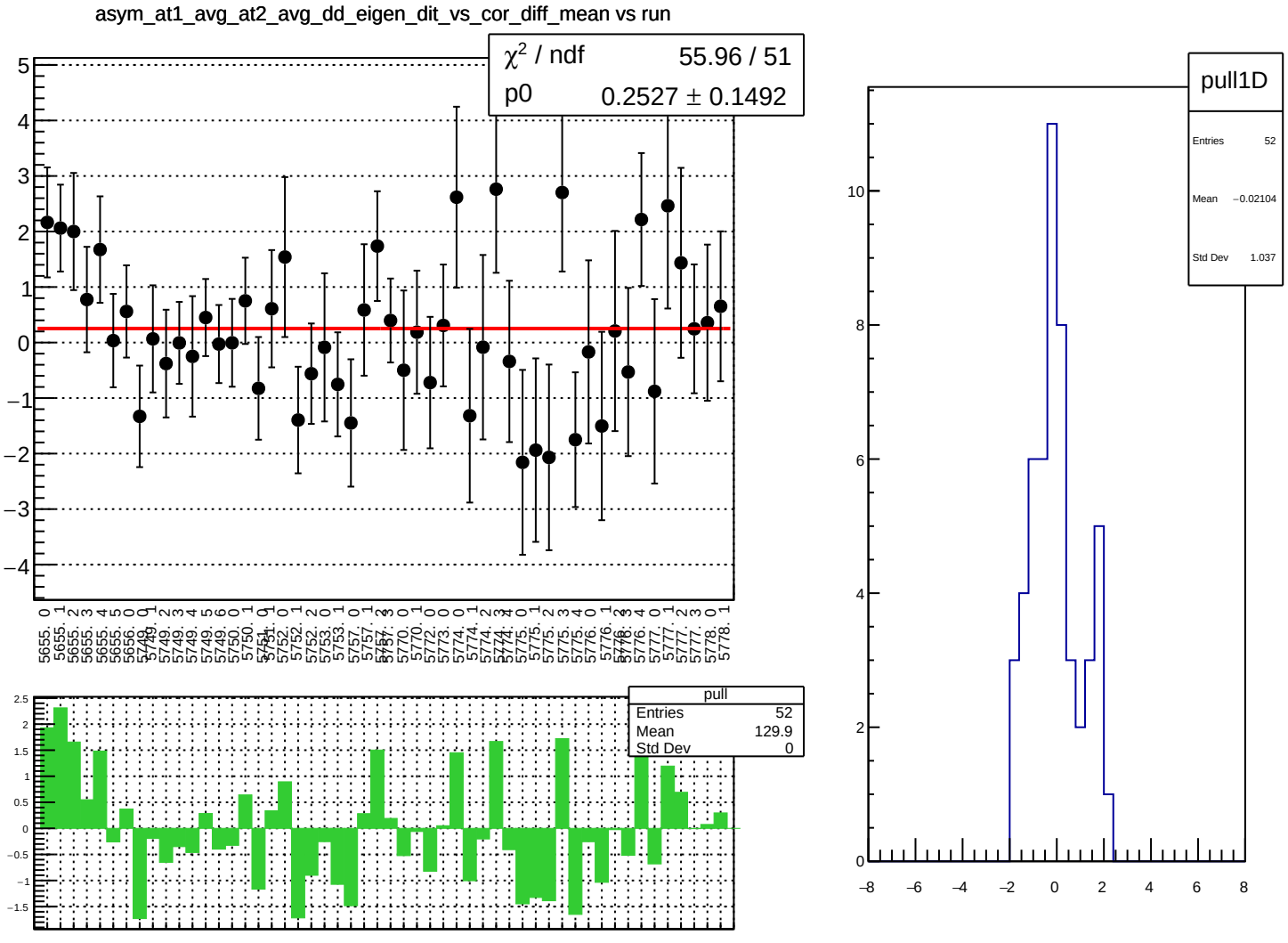

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.96 / 51
p0 0.2527 ± 0.1492
pull
Entries 52
Mean 129.9
Std Dev 0
pull1D
Entries 52
Mean −0.02104
Std Dev 1.037

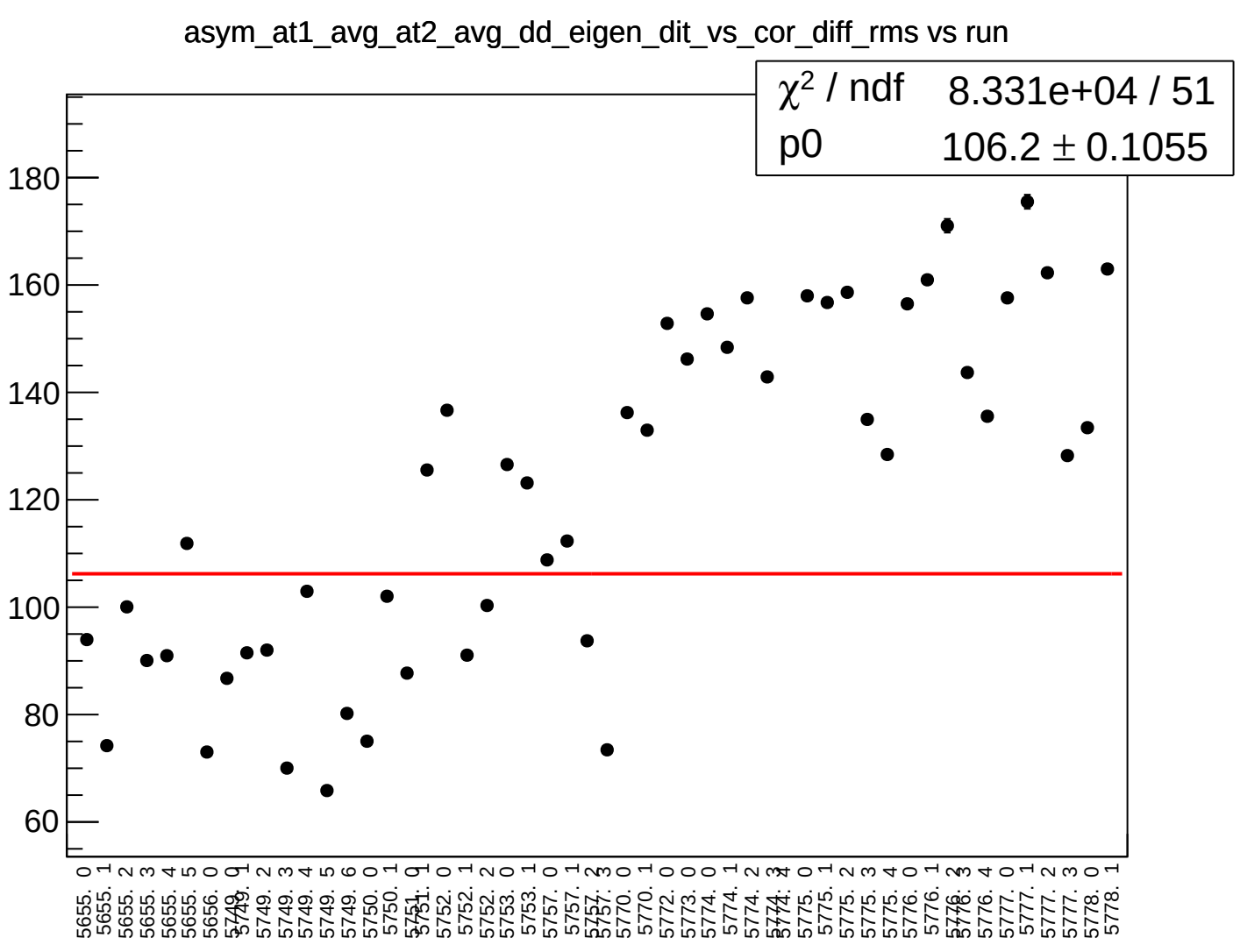

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.33e+04 / 51
p0 106.2 ± 0.1055
180
160
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

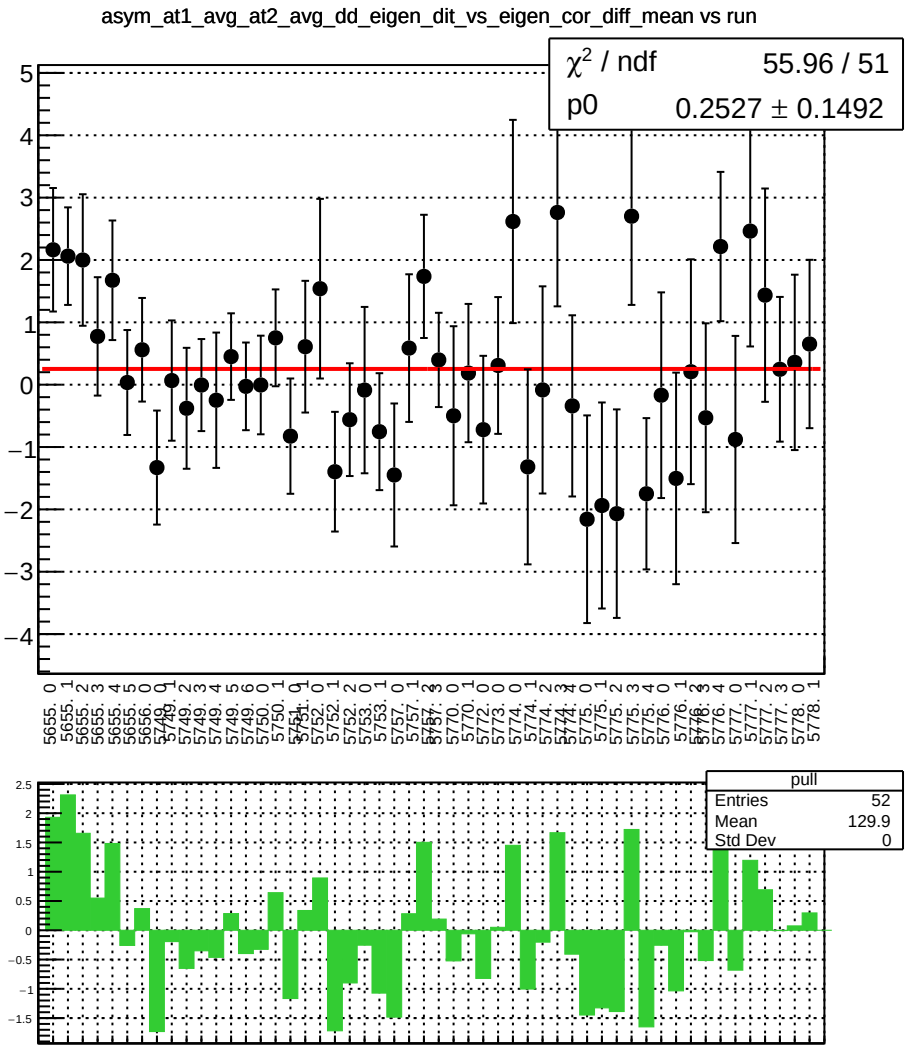

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 40.58 / 51
p0 −6.653e−06 ± 5.951e−06
pull
Entries 52
Mean 20.96
Std Dev 22.39

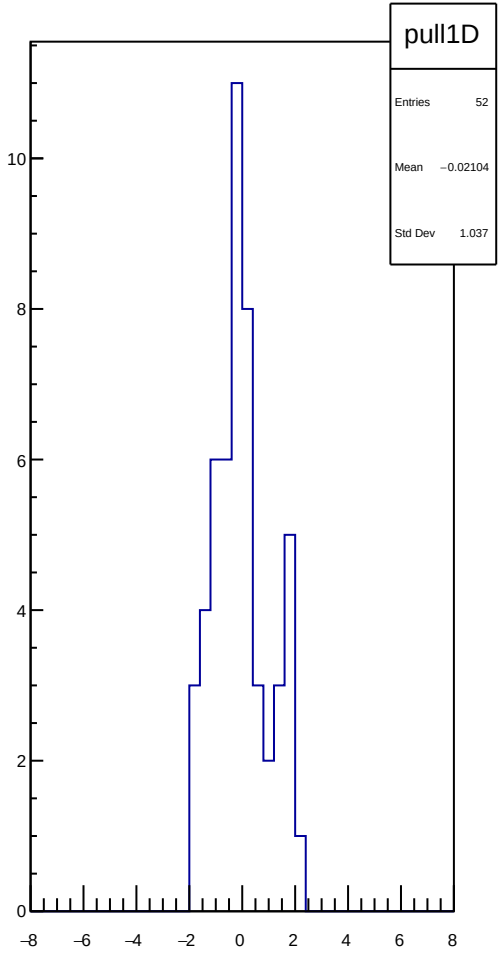

pull1D
Entries 52
Mean 0.07989
Std Dev 0.8798

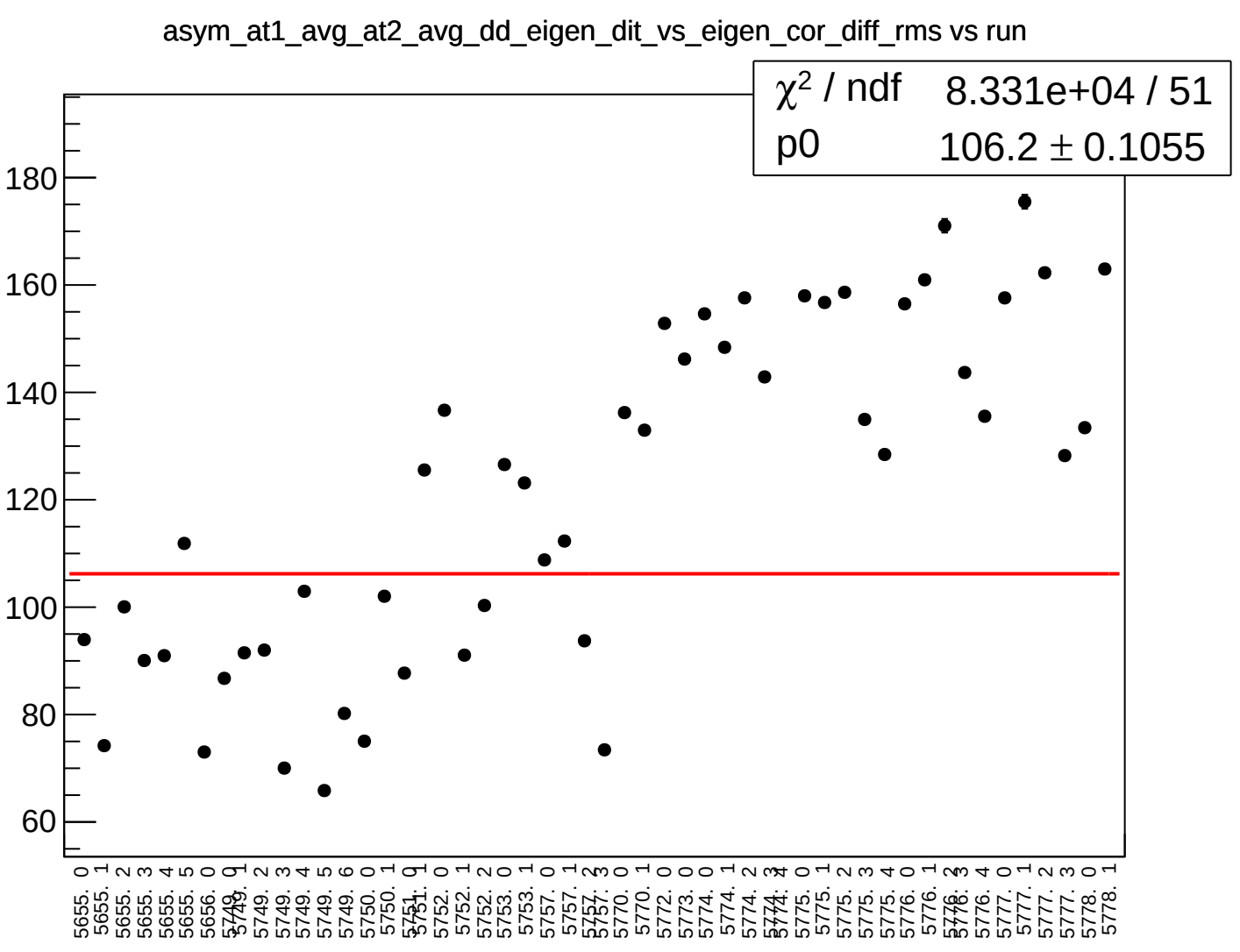

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.326e+05 / 51
p0 0.003428 ± 4.208e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

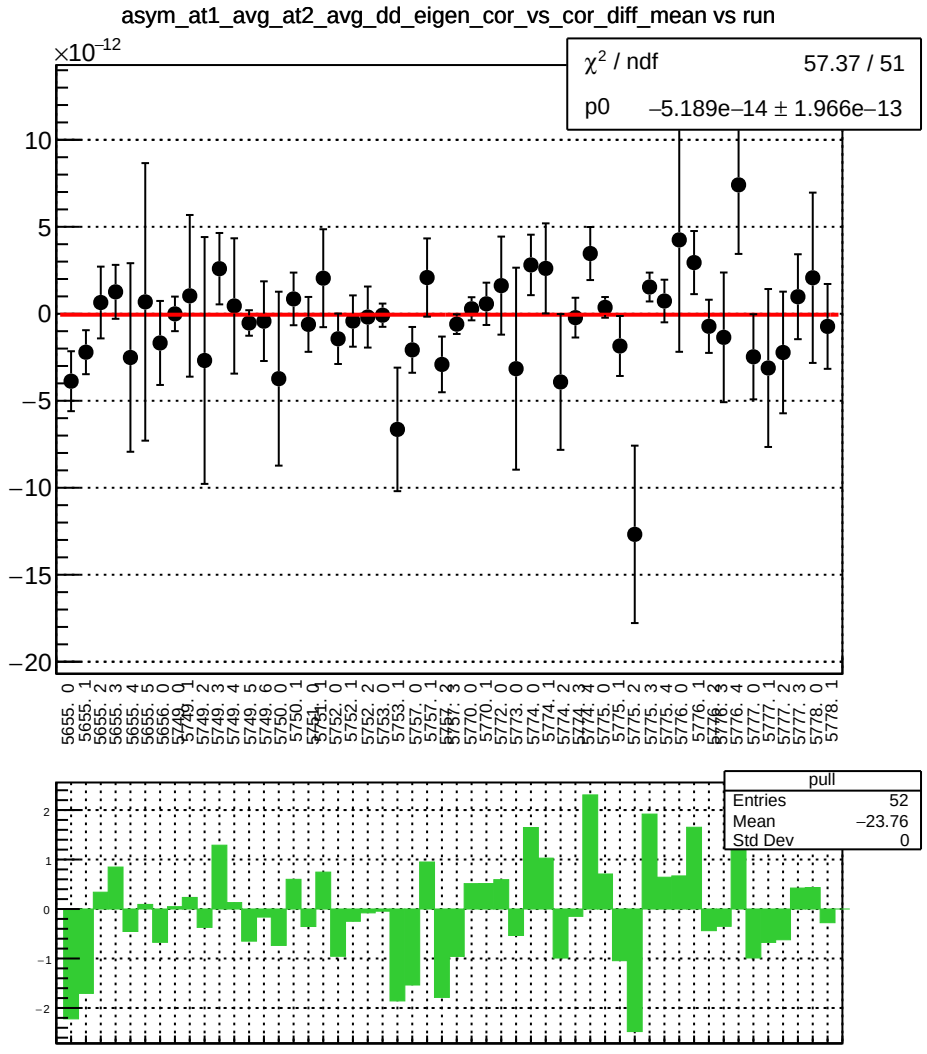

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.96 / 51
p0 0.2527 ± 0.1492
pull
Entries 52
Mean 129.9
Std Dev 0
pull1D
Entries 52
Mean −0.02104
Std Dev 1.037

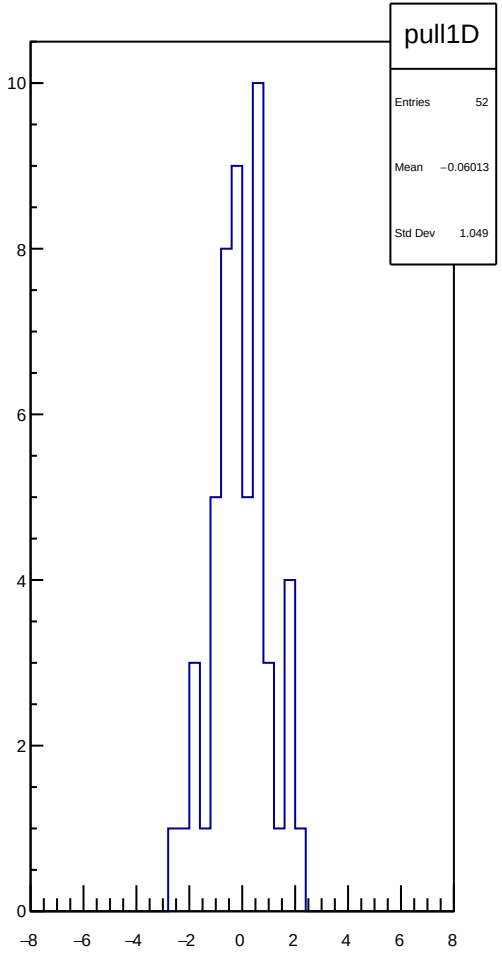

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.331e+04 / 51
p0 106.2 ± 0.1055
180
160
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

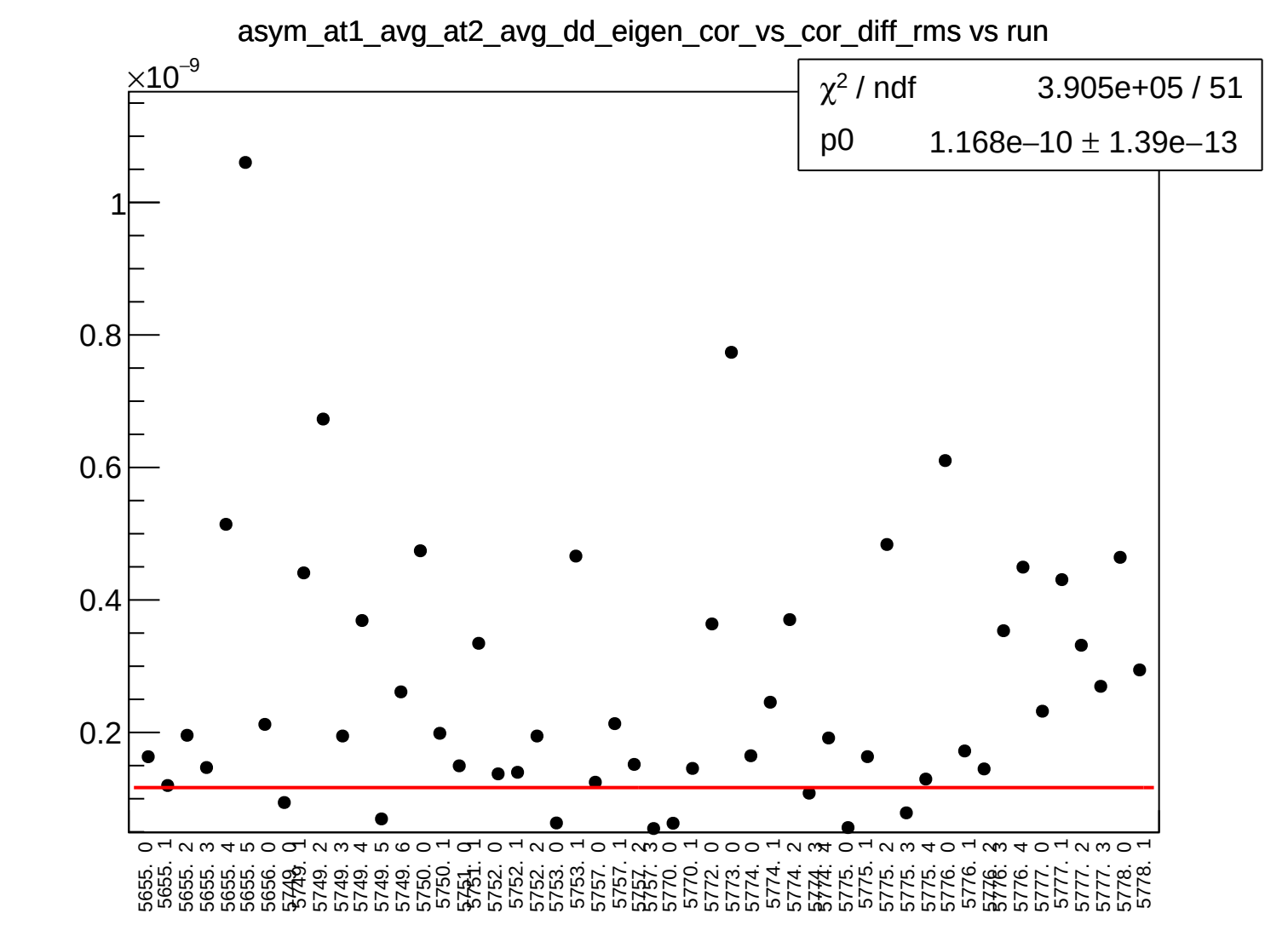

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.96 / 51
p0 0.2527 ± 0.1492
pull
Entries 52
Mean 129.9
Std Dev 0

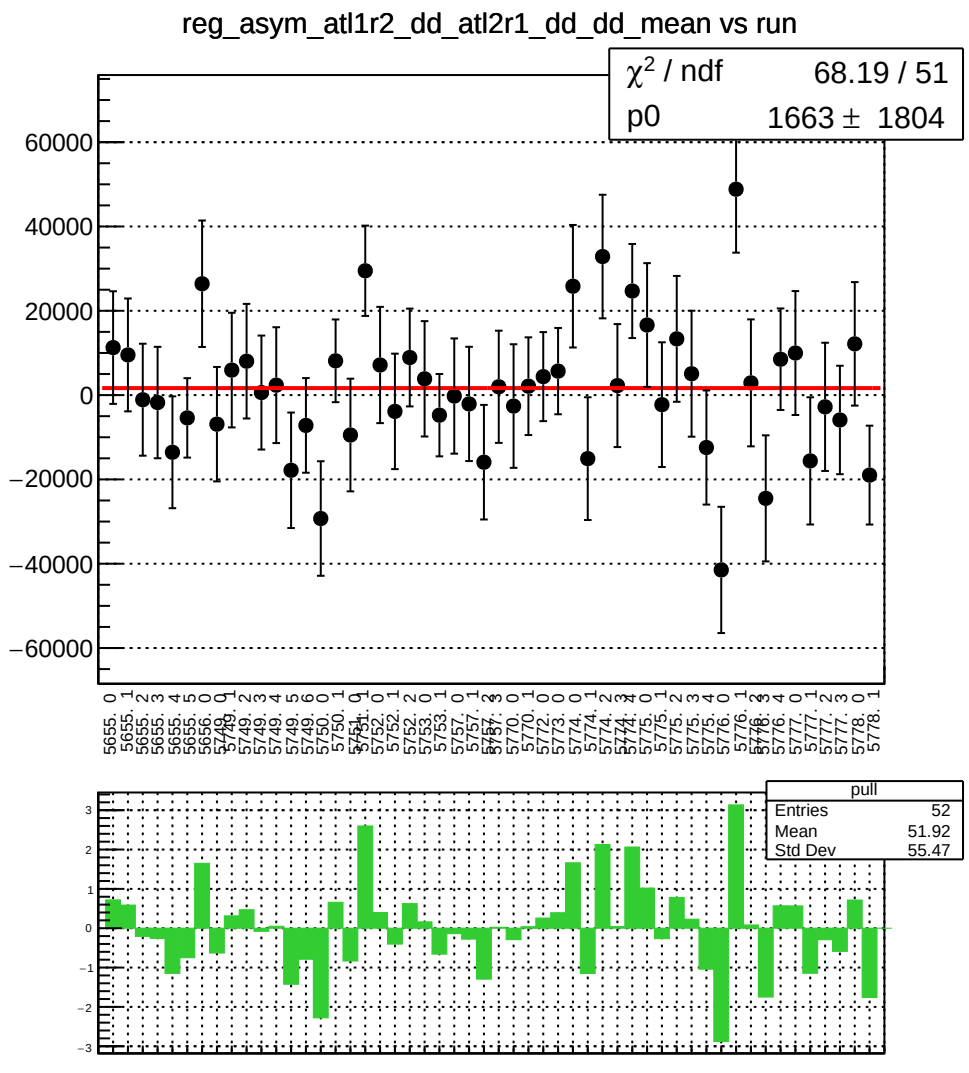

pull1D
Entries 52
Mean −0.02104
Std Dev 1.037

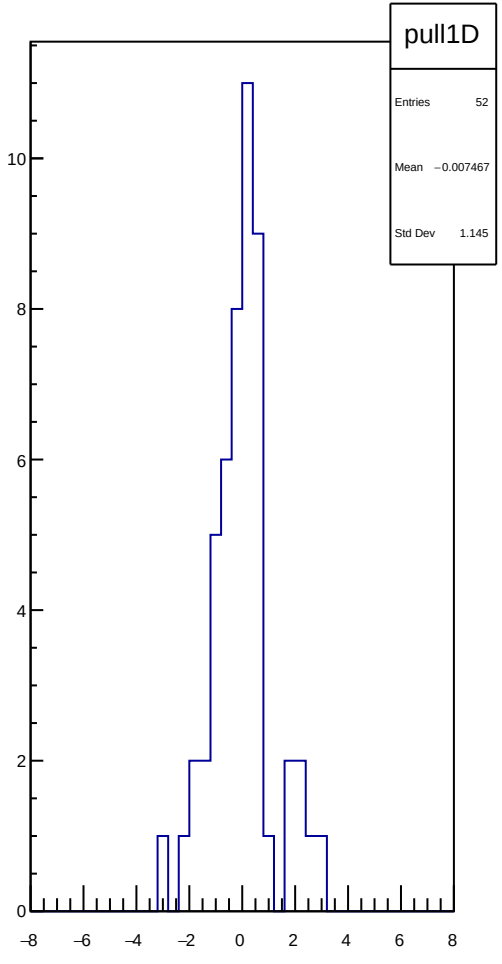

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.331e+04 / 51
p0 106.2 ± 0.1055
180
160
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

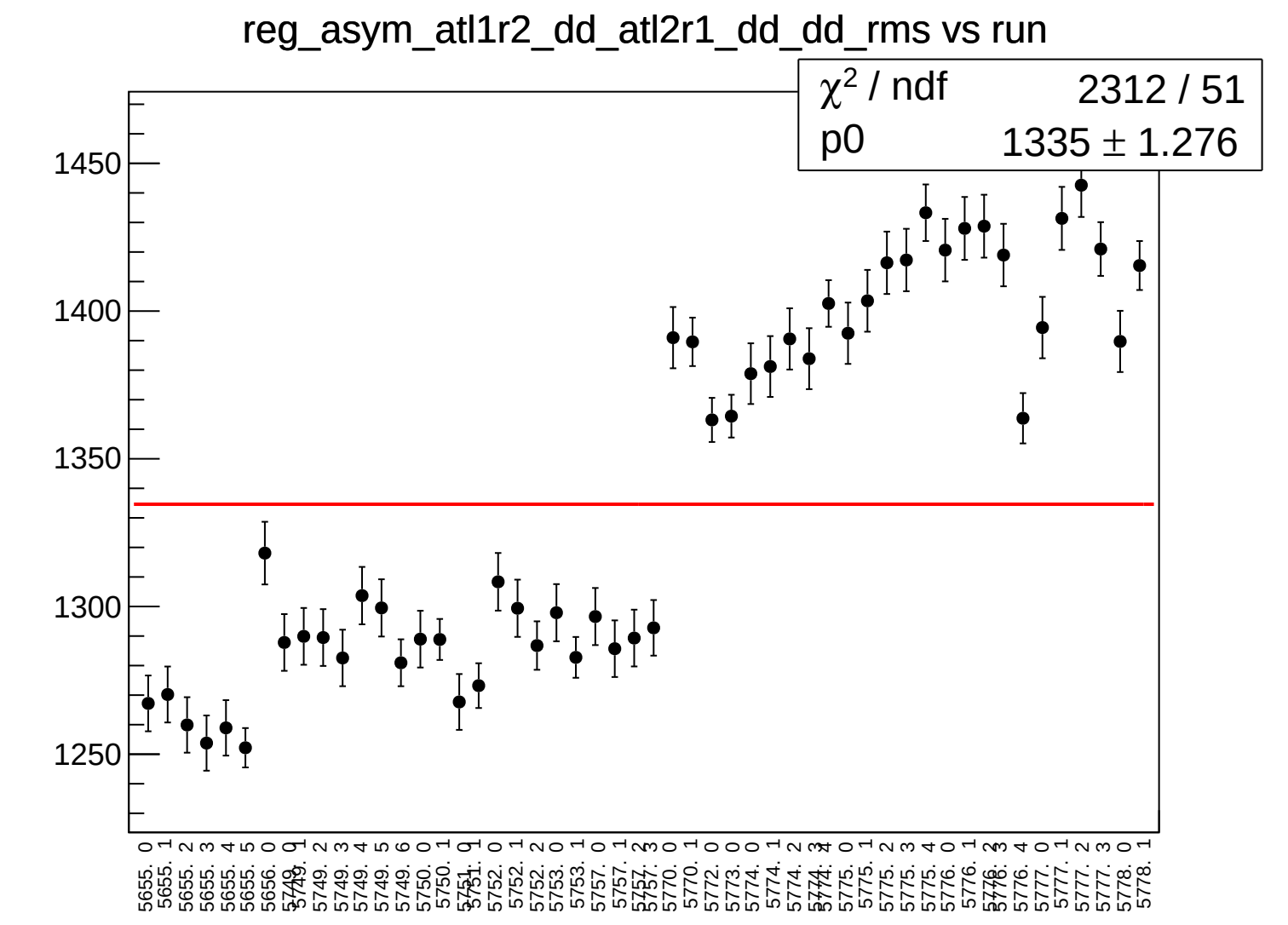

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 57.37 / 51
p0 −5.189e−14 ± 1.966e−13
pull
Entries 52
Mean −23.76
Std Dev 0

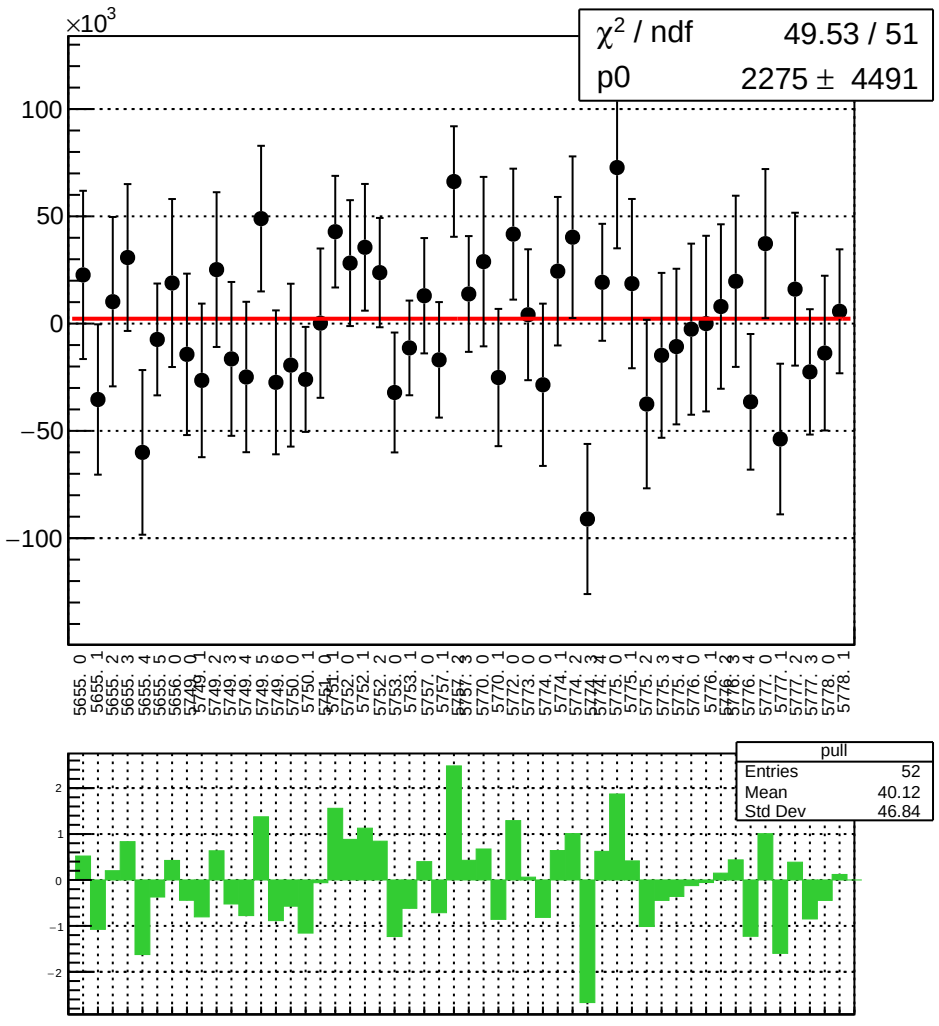

pull1D
Entries 52
Mean −0.06013
Std Dev 1.049

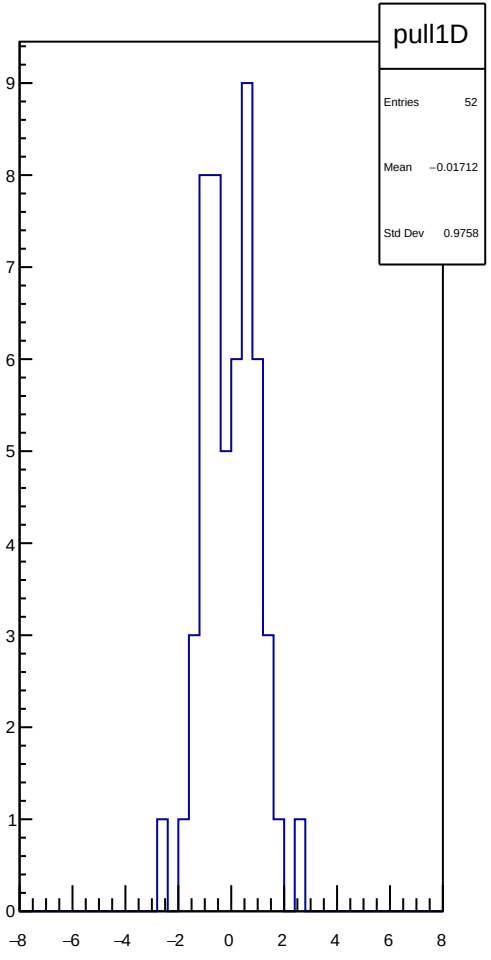

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.905e+05 / 51
p0 1.168e−10 ± 1.39e−13
1
0.8
0.6
0.4
0.2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

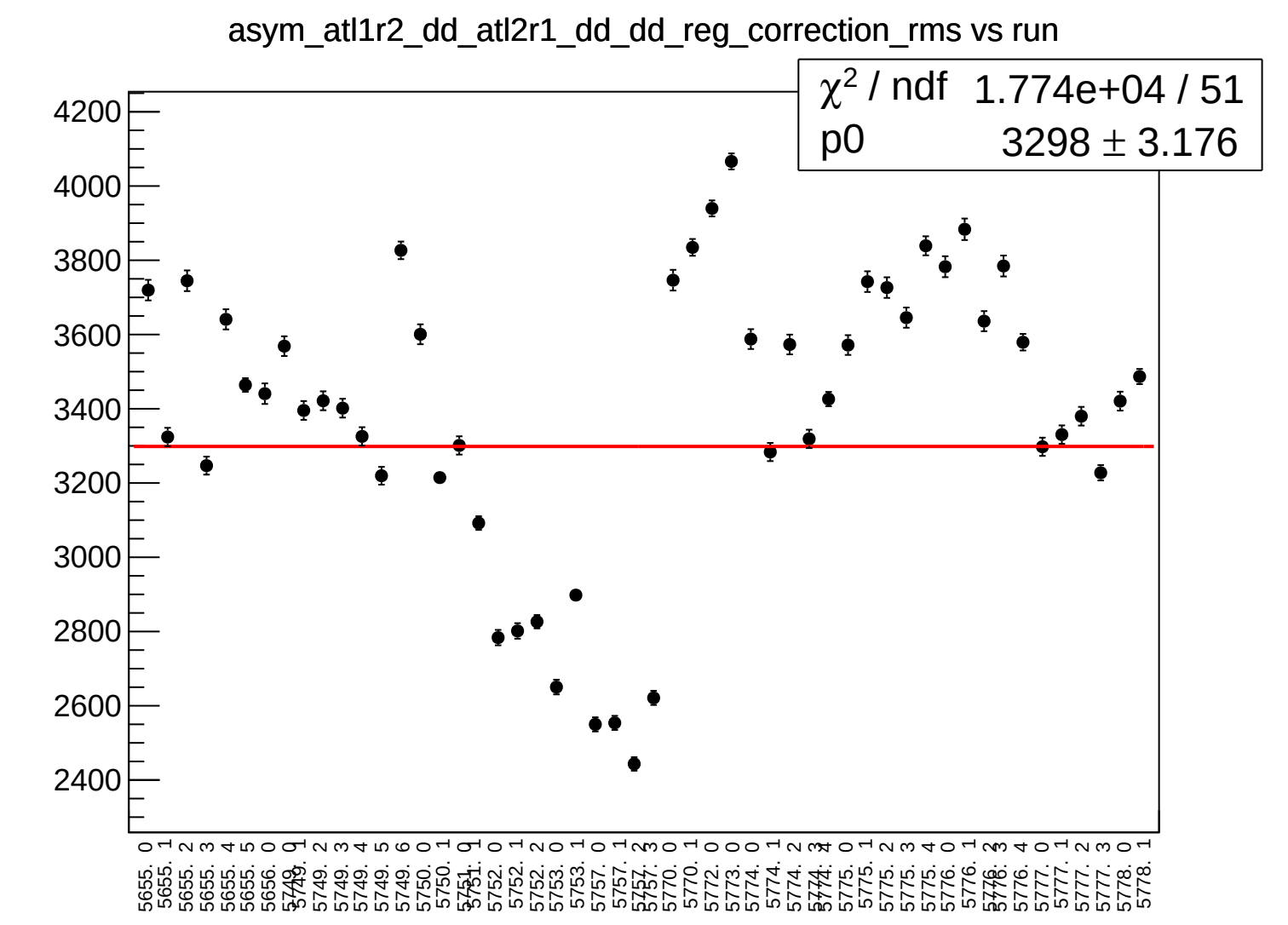

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 68.19 / 51
p0 1663 ± 1804
pull
Entries 52
Mean 51.92
Std Dev 55.47

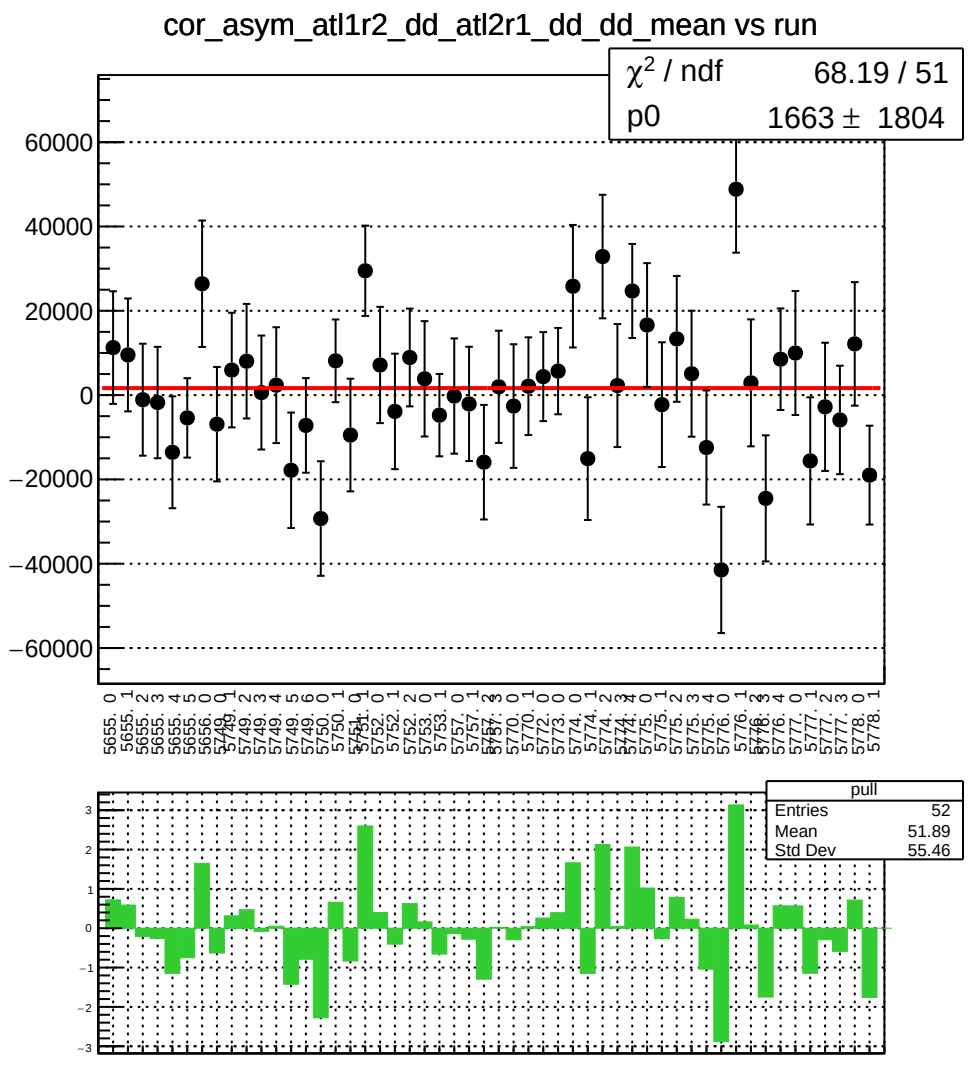

pull1D
Entries 52
Mean −0.007467
Std Dev 1.145

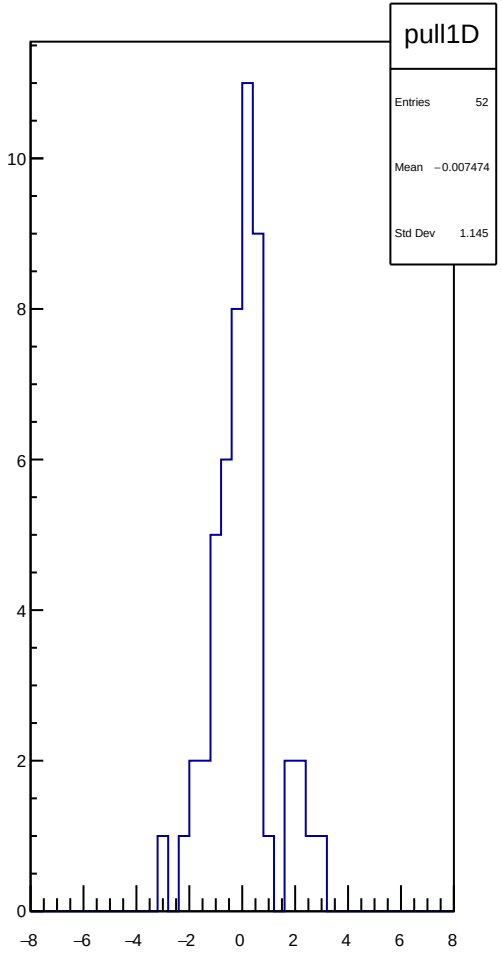

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 2312 / 51
p0 1335 ± 1.276
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

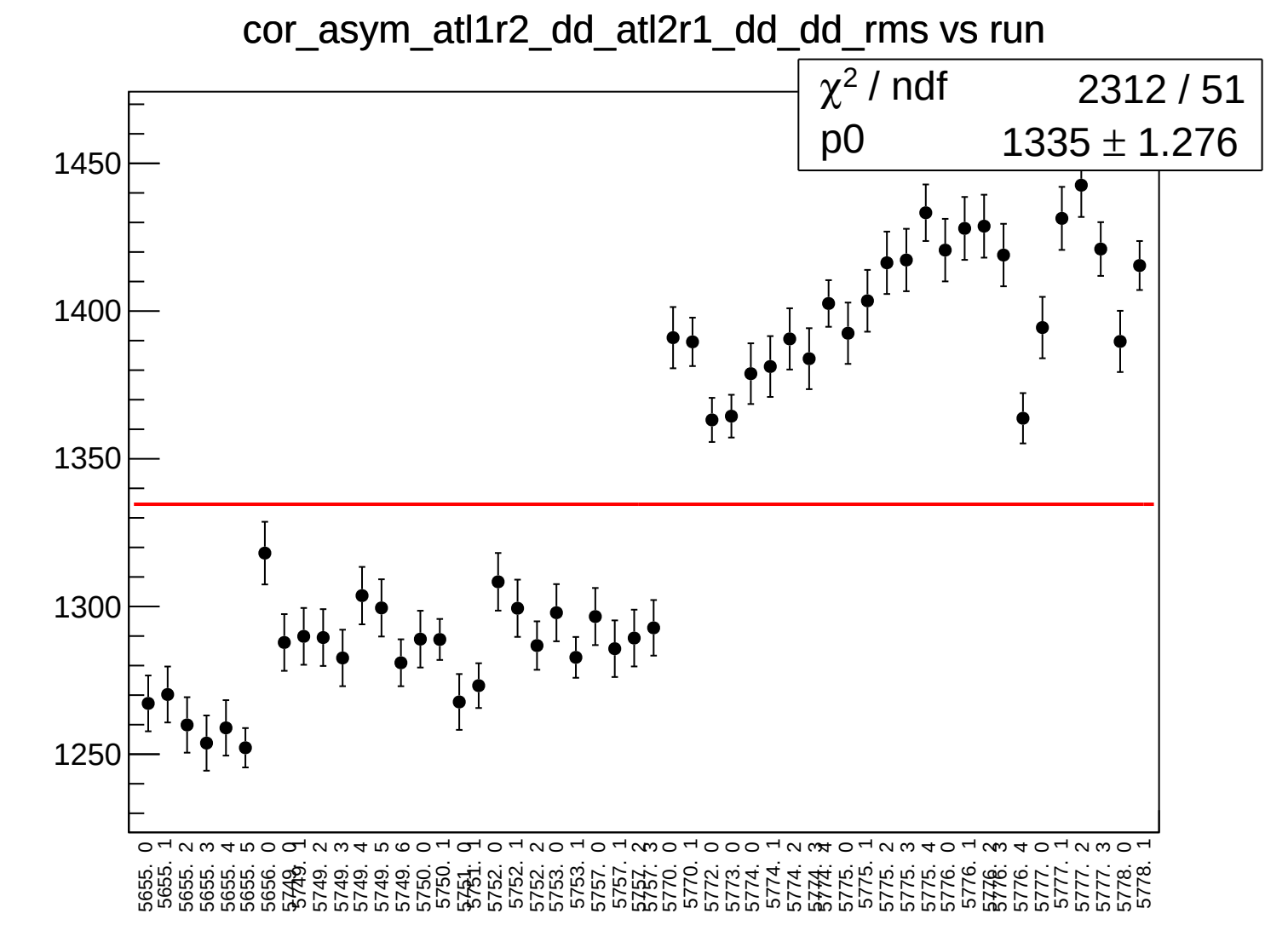

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs run
×10^3
χ² / ndf 49.53 / 51
p0 2275 ± 4491
100
50
0
−50
−100
pull
Entries 52
Mean 40.12
Std Dev 46.84
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.01712
Std Dev 0.9758
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs run
χ² / ndf 1.774e+04 / 51
p0 3298 ± 3.176
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 68.19 / 51
p0 1663 ± 1804
pull
Entries 52
Mean 51.89
Std Dev 55.46


pull1D
Entries 52
Mean −0.007474
Std Dev 1.145


cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 2312 / 51
p0 1335 ± 1.276
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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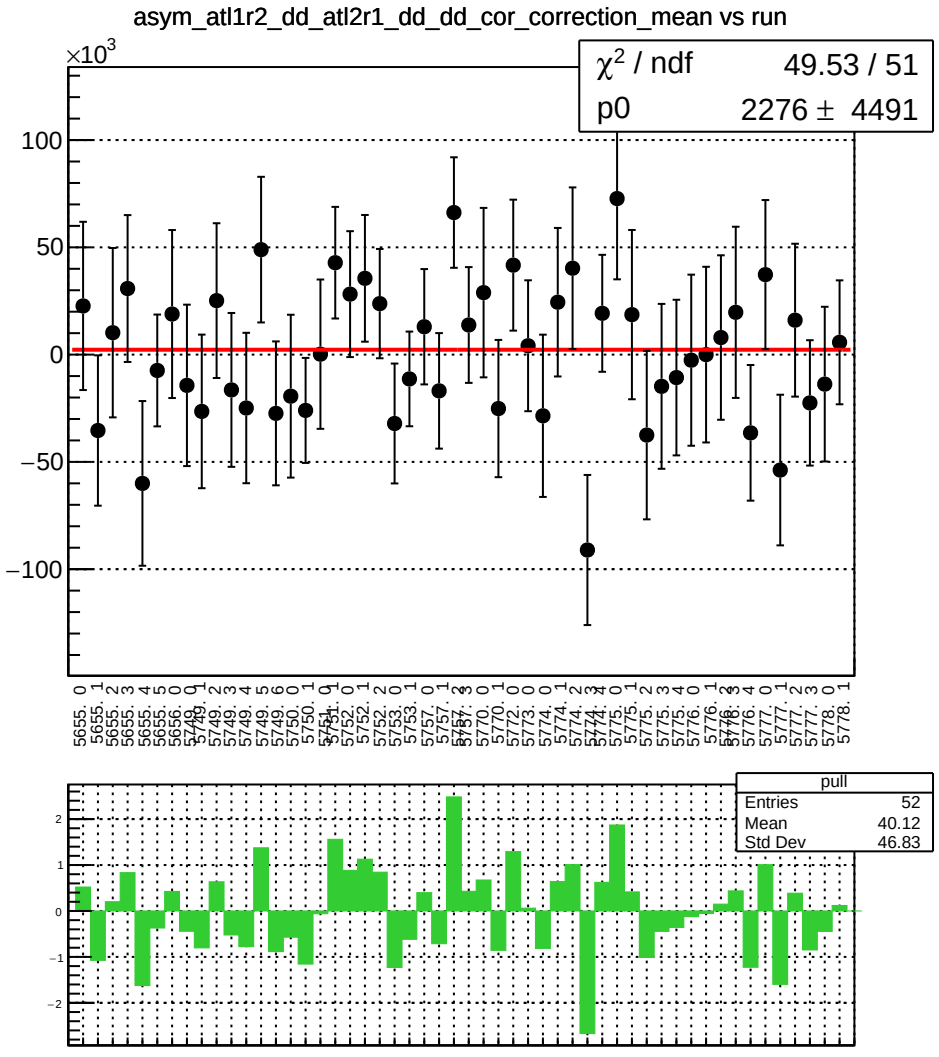
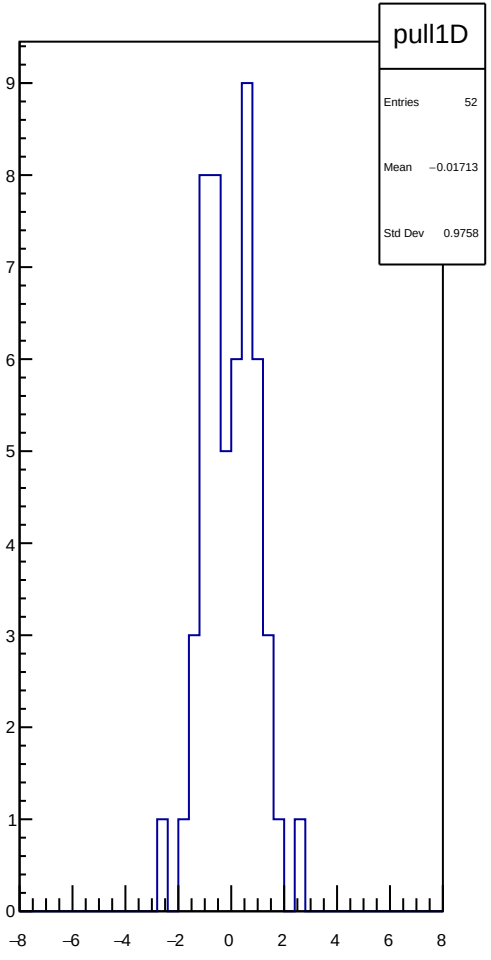
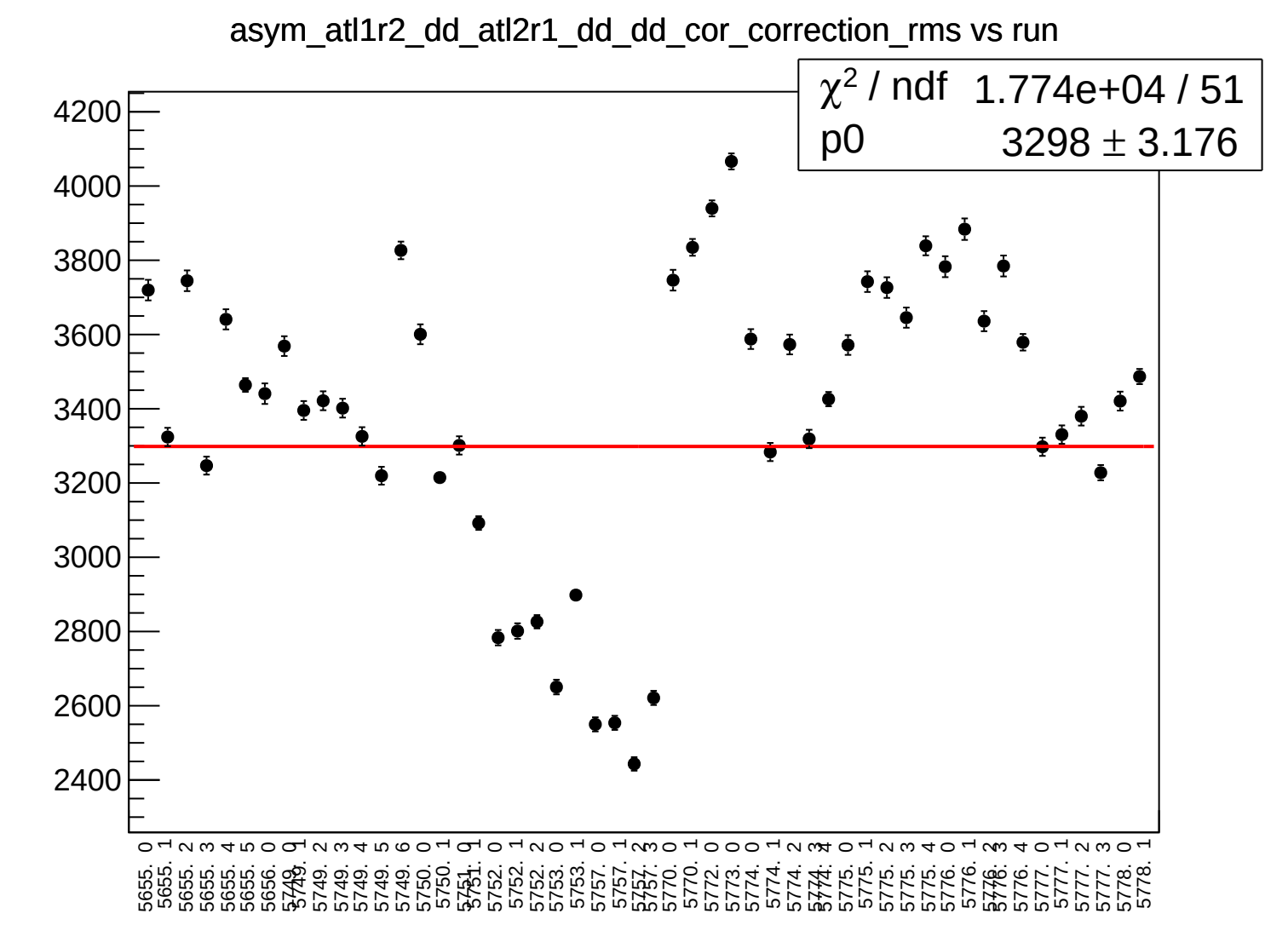
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs run
×10^3
χ² / ndf 49.53 / 51
p0 2276 ± 4491
100
50
0
−50
−100
pull
Entries 52
Mean 40.12
Std Dev 46.83
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.01713
Std Dev 0.9758
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs run
χ² / ndf 1.774e+04 / 51
p0 3298 ± 3.176
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
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5752. 2
5753. 0
5753. 1
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5757. 1
5757. 2
5757. 3
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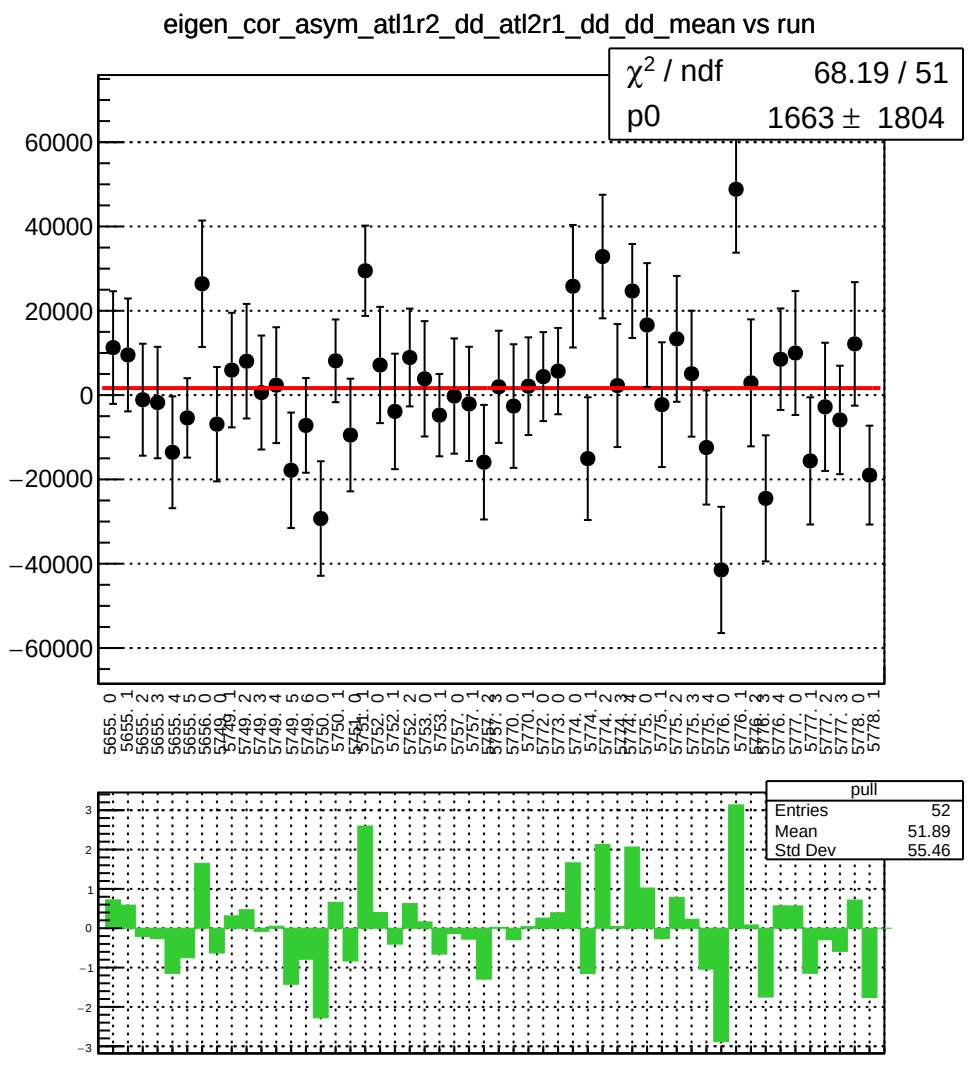
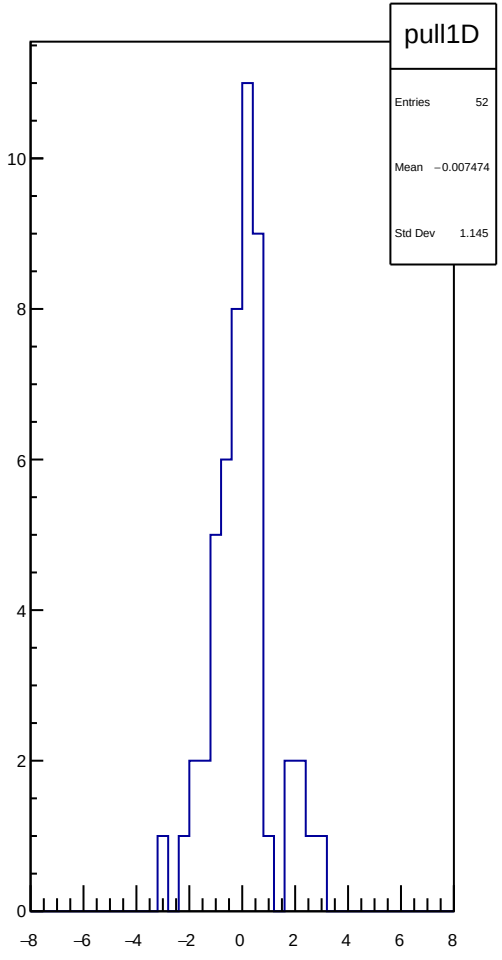
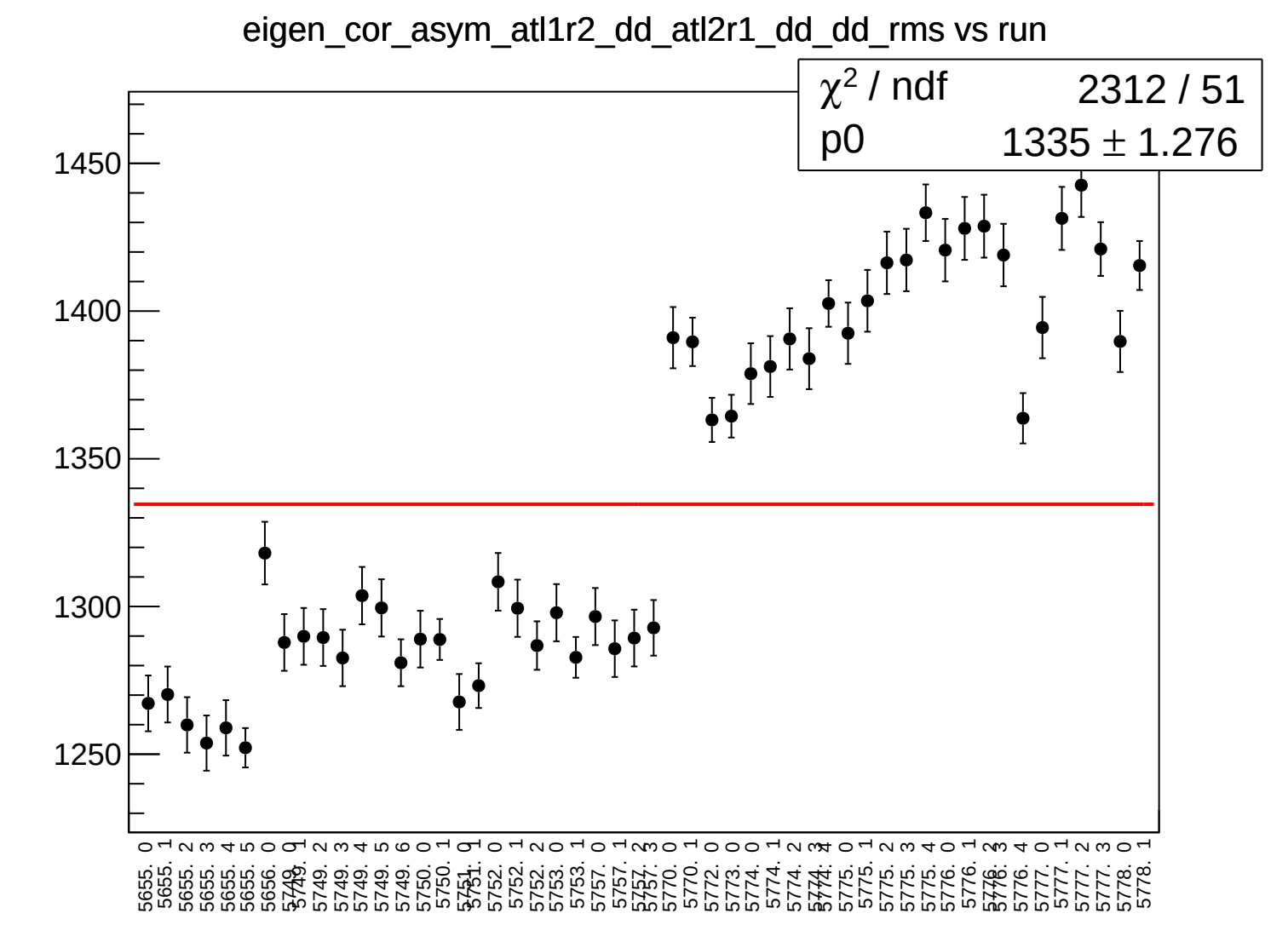
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 68.19 / 51
p0 1663 ± 1804
pull
Entries 52
Mean 51.89
Std Dev 55.46


pull1D
Entries 52
Mean −0.007474
Std Dev 1.145


eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 2312 / 51
p0 1335 ± 1.276
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
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5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
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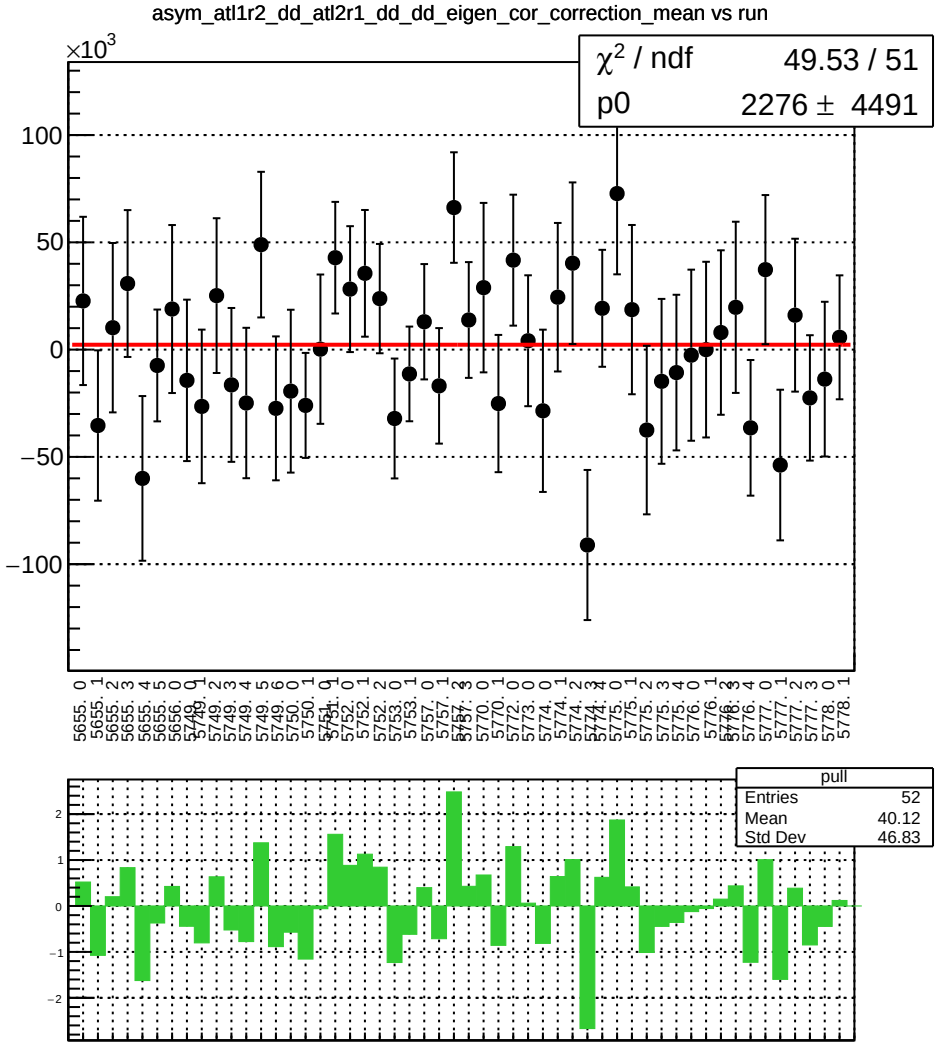
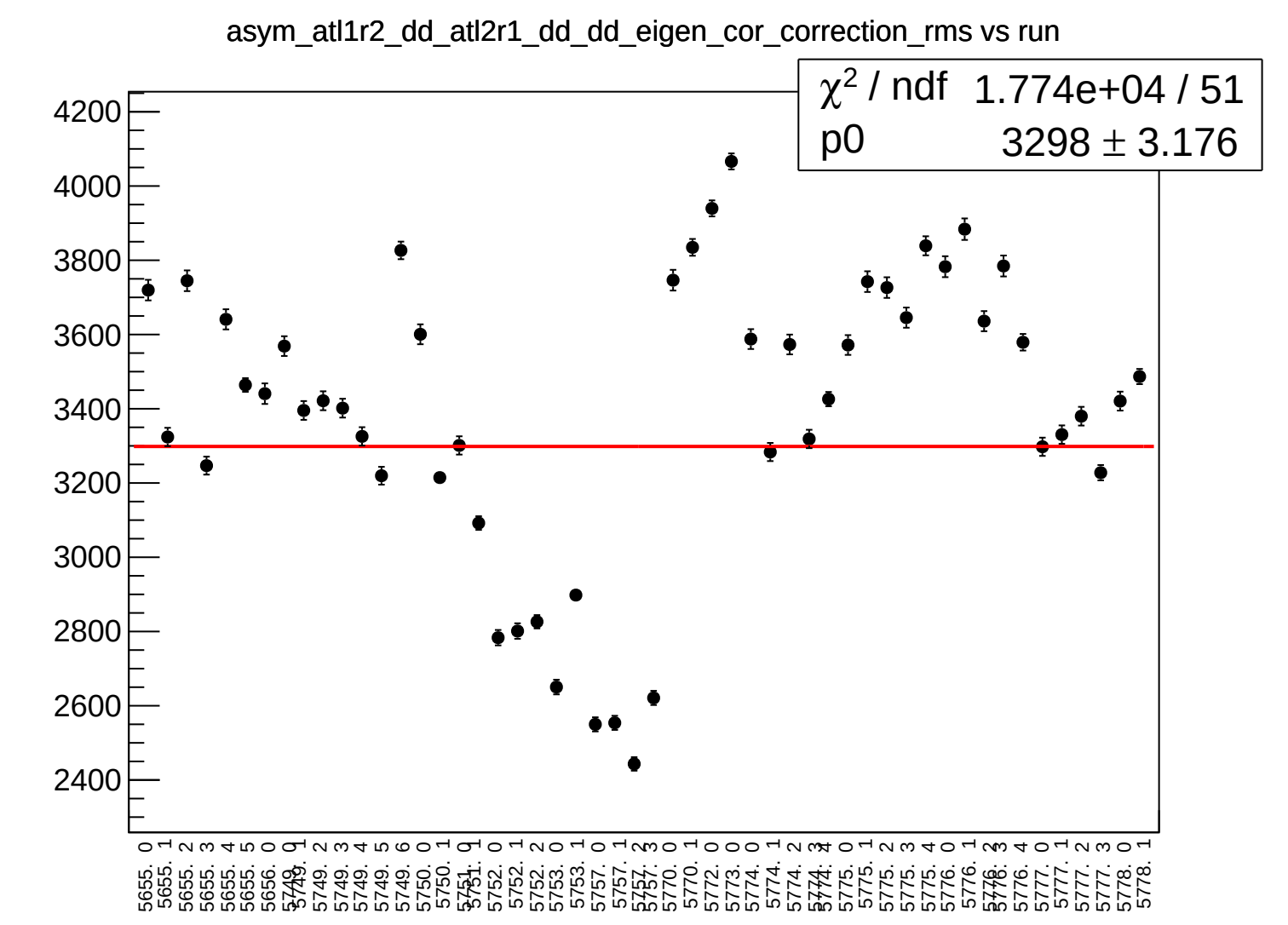
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 49.53 / 51
p0 2276 ± 4491
100
50
0
−50
−100
pull
Entries 52
Mean 40.12
Std Dev 46.83
2
1
0
−1
−2
pull1D
Entries 52
Mean −0.01713
Std Dev 0.9758
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.774e+04 / 51
p0 3298 ± 3.176
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5750. 1
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5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
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5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
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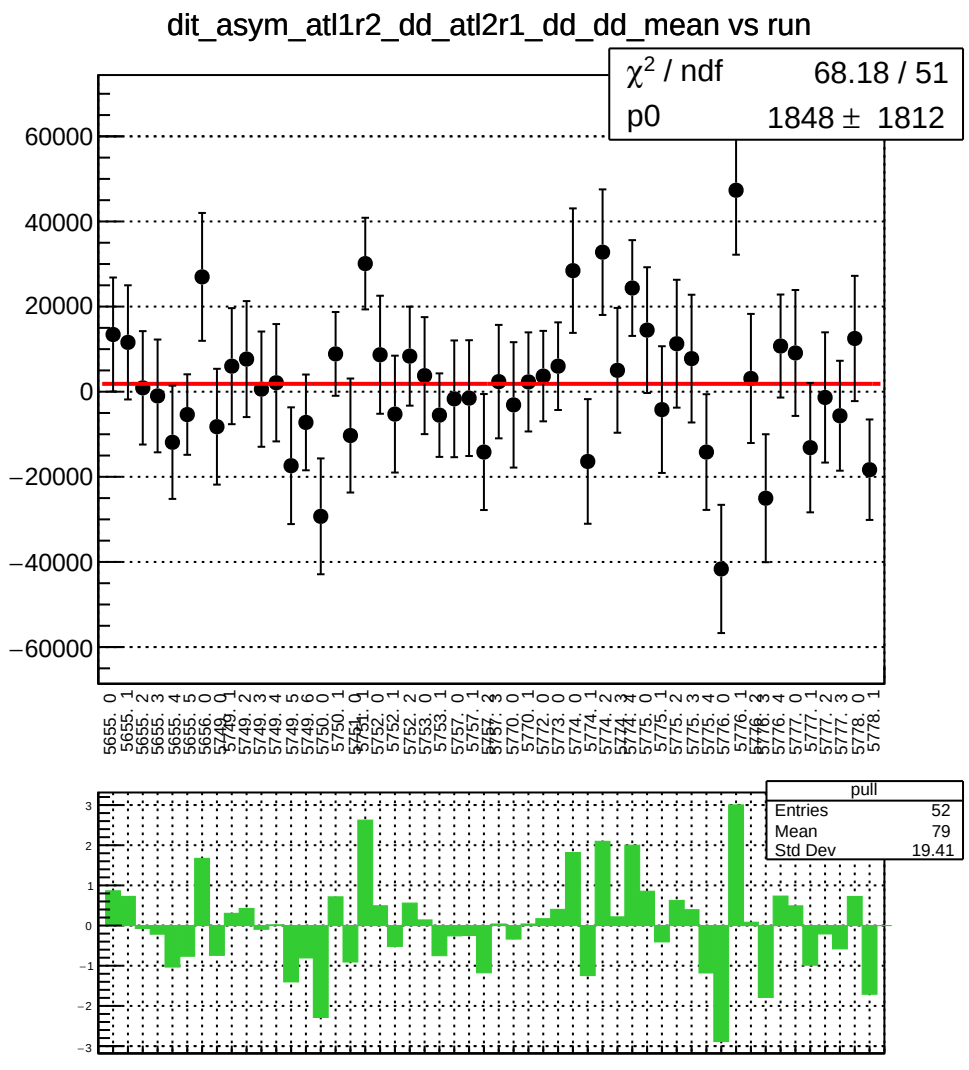
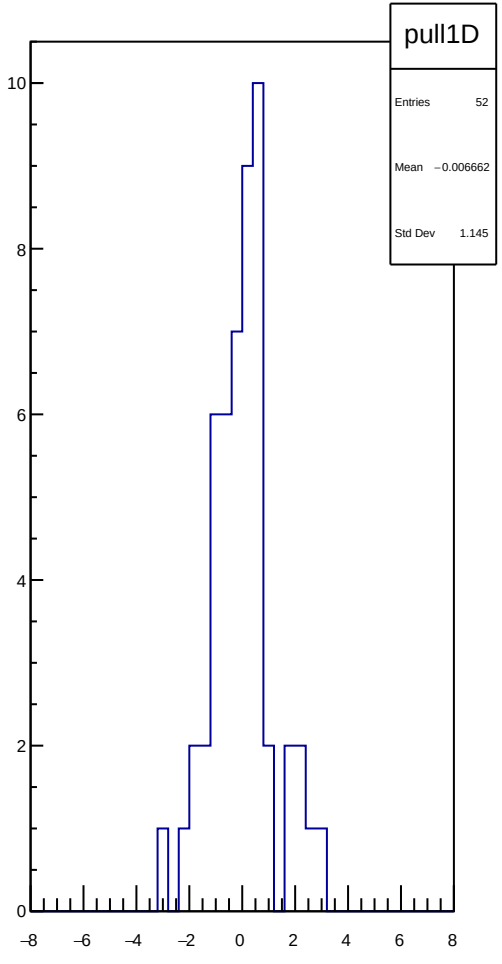
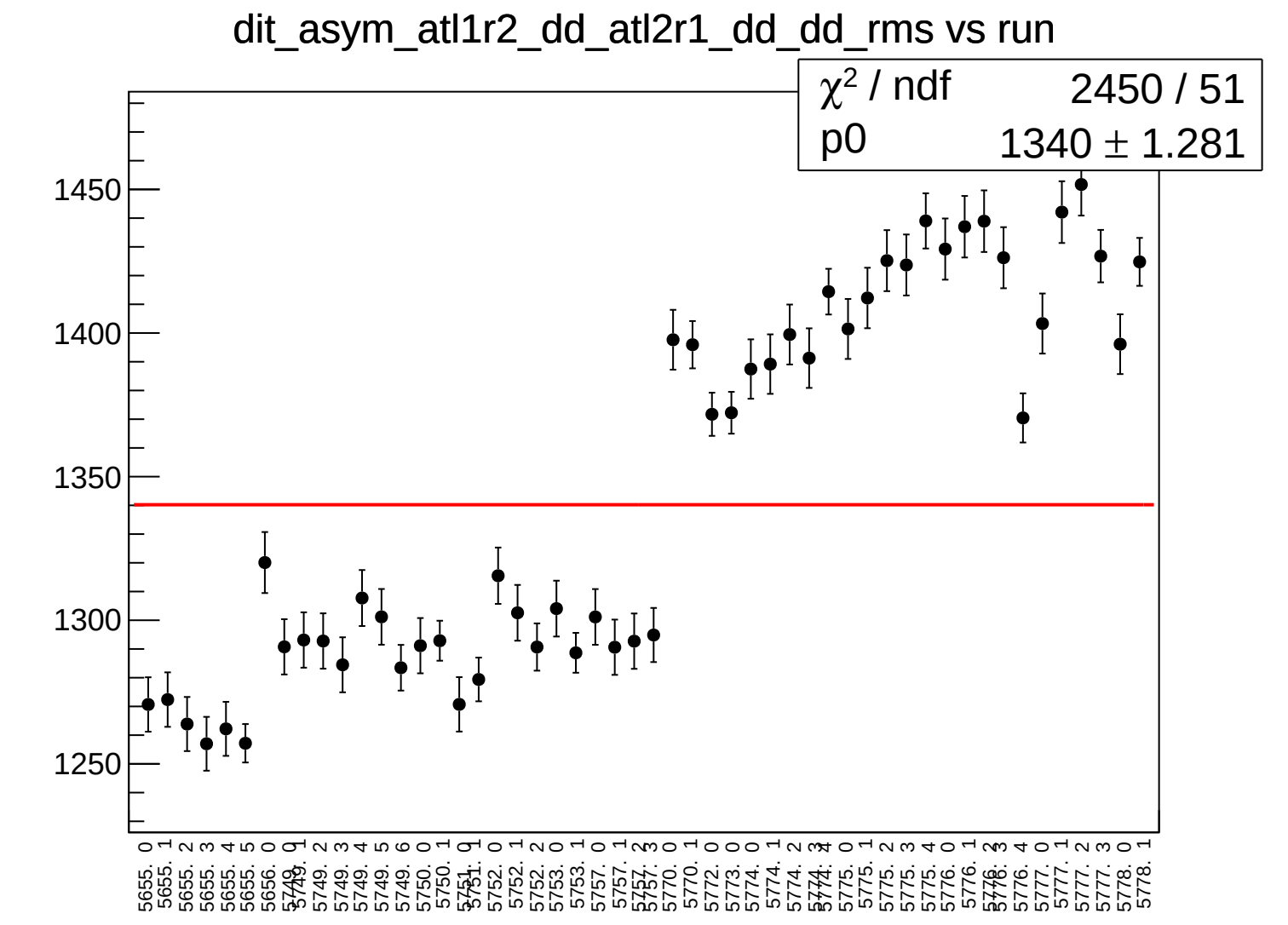
5777. 2
5777. 3
5778. 0
5778. 1


dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 68.18 / 51
p0 1848 ± 1812
pull
Entries 52
Mean 79
Std Dev 19.41


pull1D
Entries 52
Mean −0.006662
Std Dev 1.145


dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 2450 / 51
p0 1340 ± 1.281
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
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5775. 2
5775. 3
5775. 4
5776. 0
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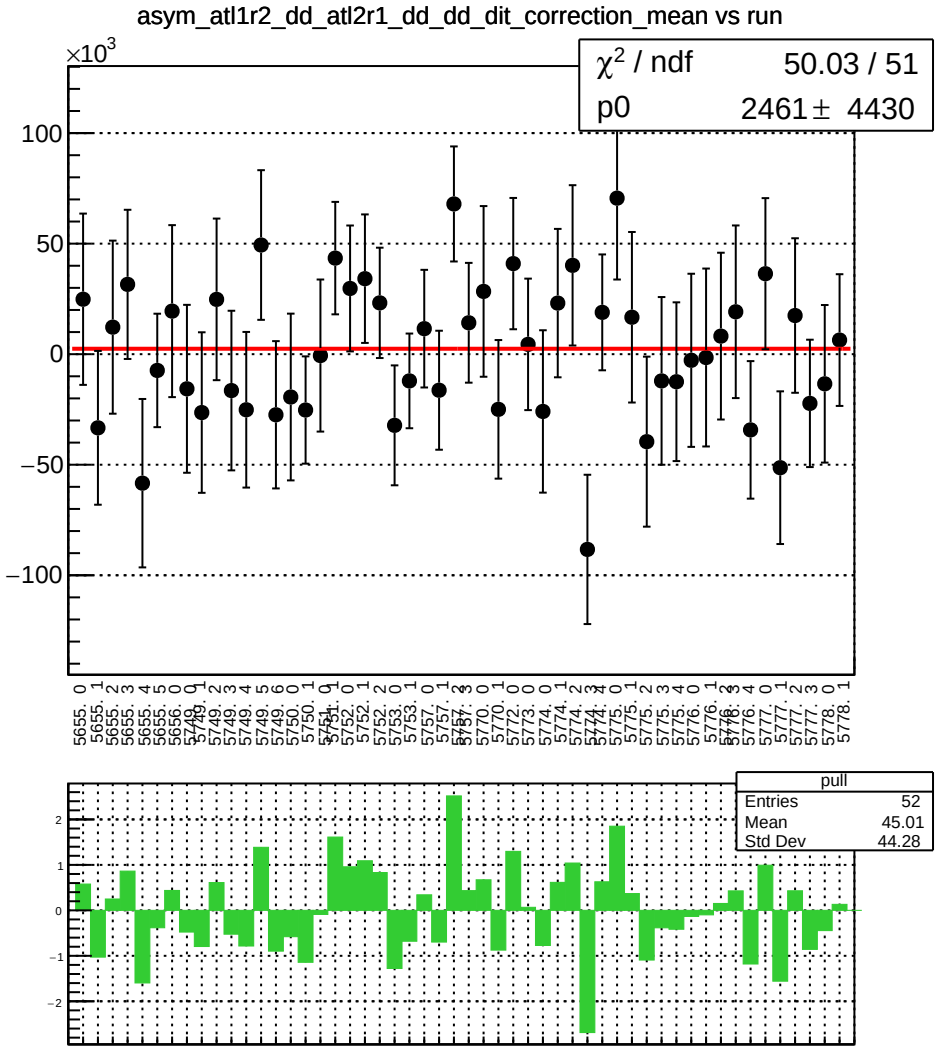
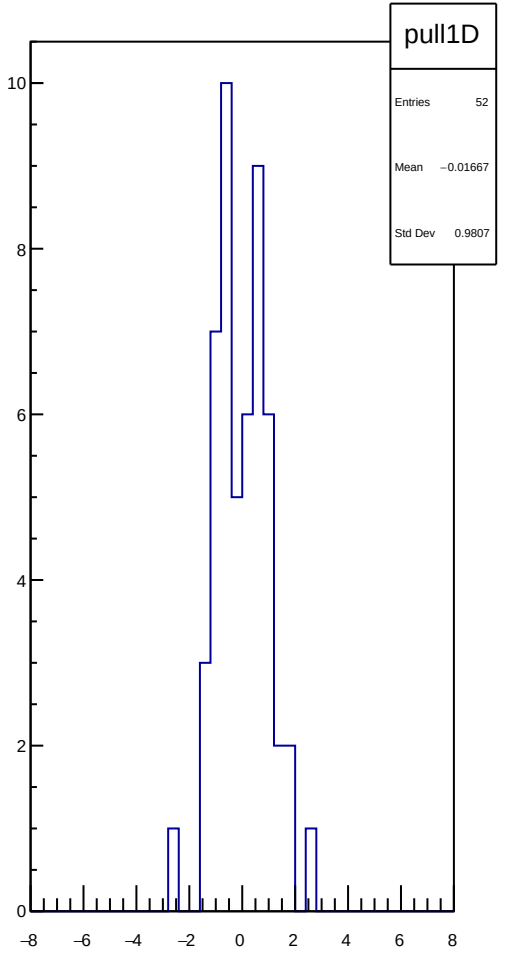
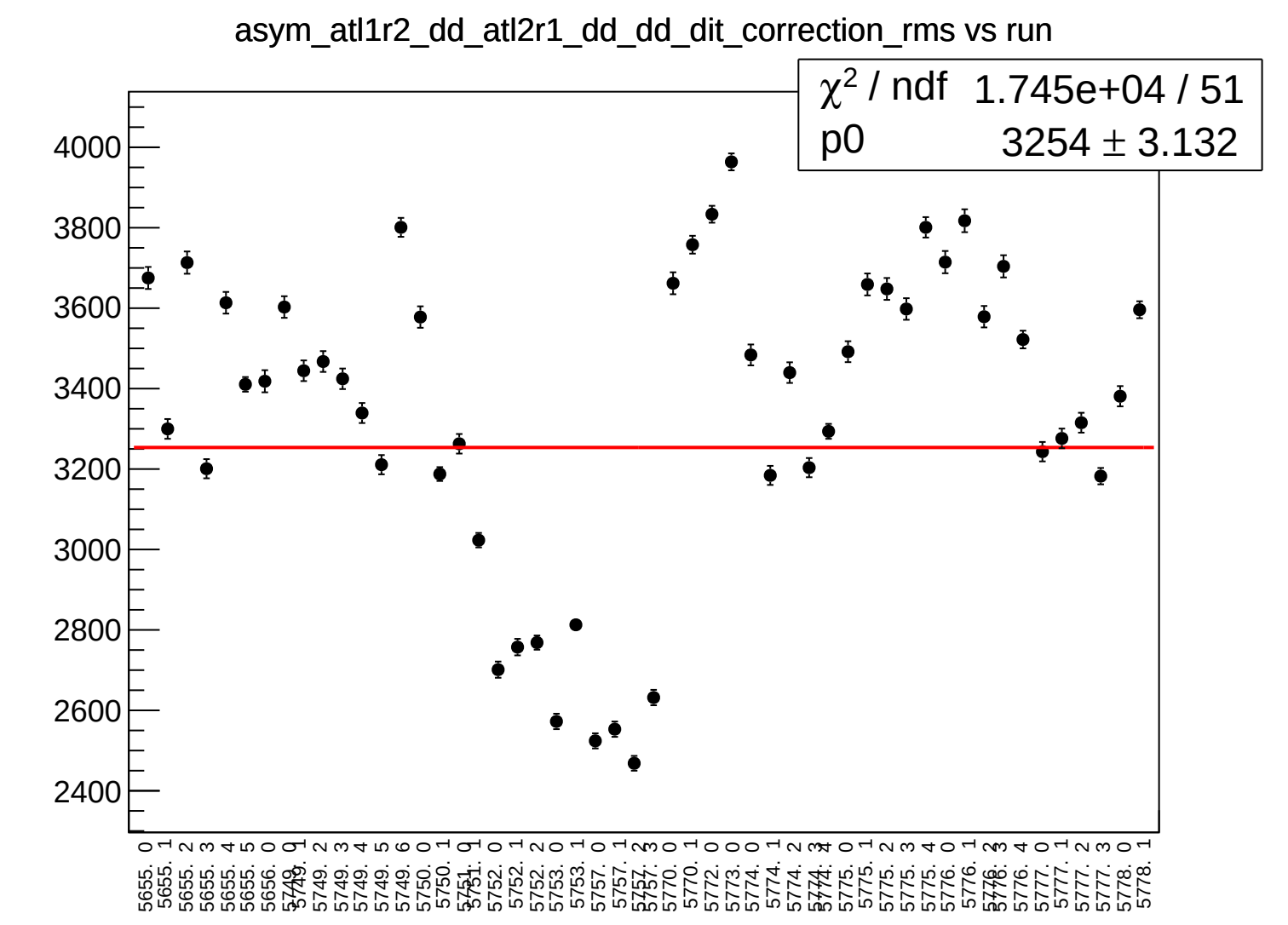
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs run
×10^3
χ² / ndf 50.03 / 51
p0 2461 ± 4430
100
50
0
−50
−100
pull
Entries 52
Mean 45.01
Std Dev 44.28
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.01667
Std Dev 0.9807
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 1.745e+04 / 51
p0 3254 ± 3.132
4000
3800
3600
3400
3200
3000
2800
2600
2400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5749. 2
5749. 3
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5749. 6
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5752. 2
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5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
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5775. 3
5775. 4
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5777. 2
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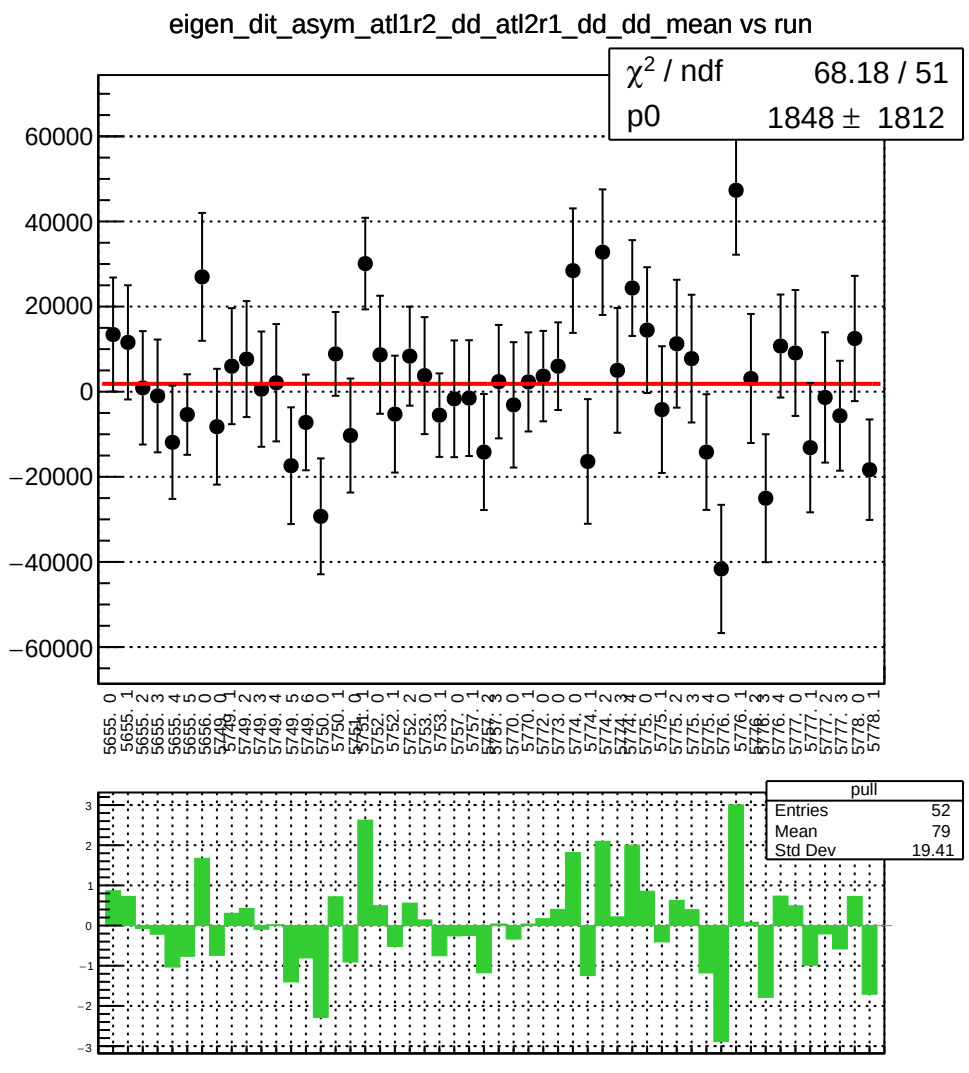
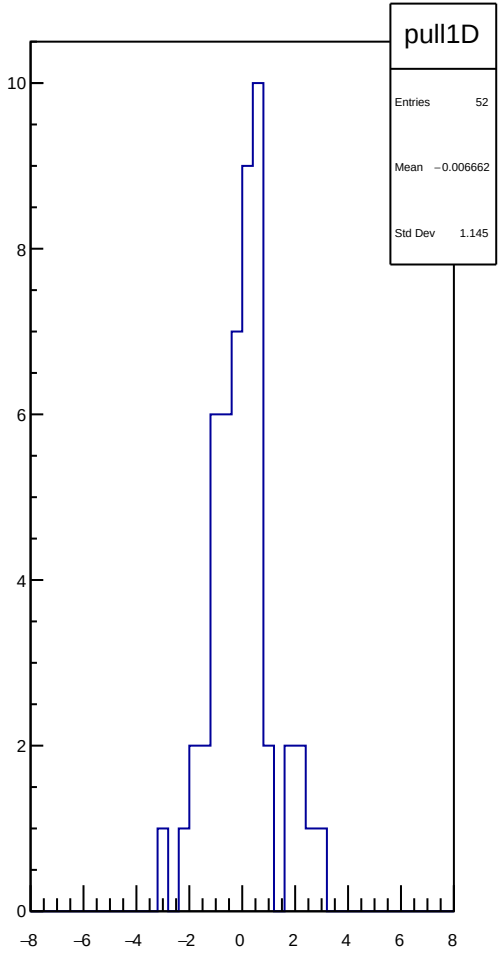
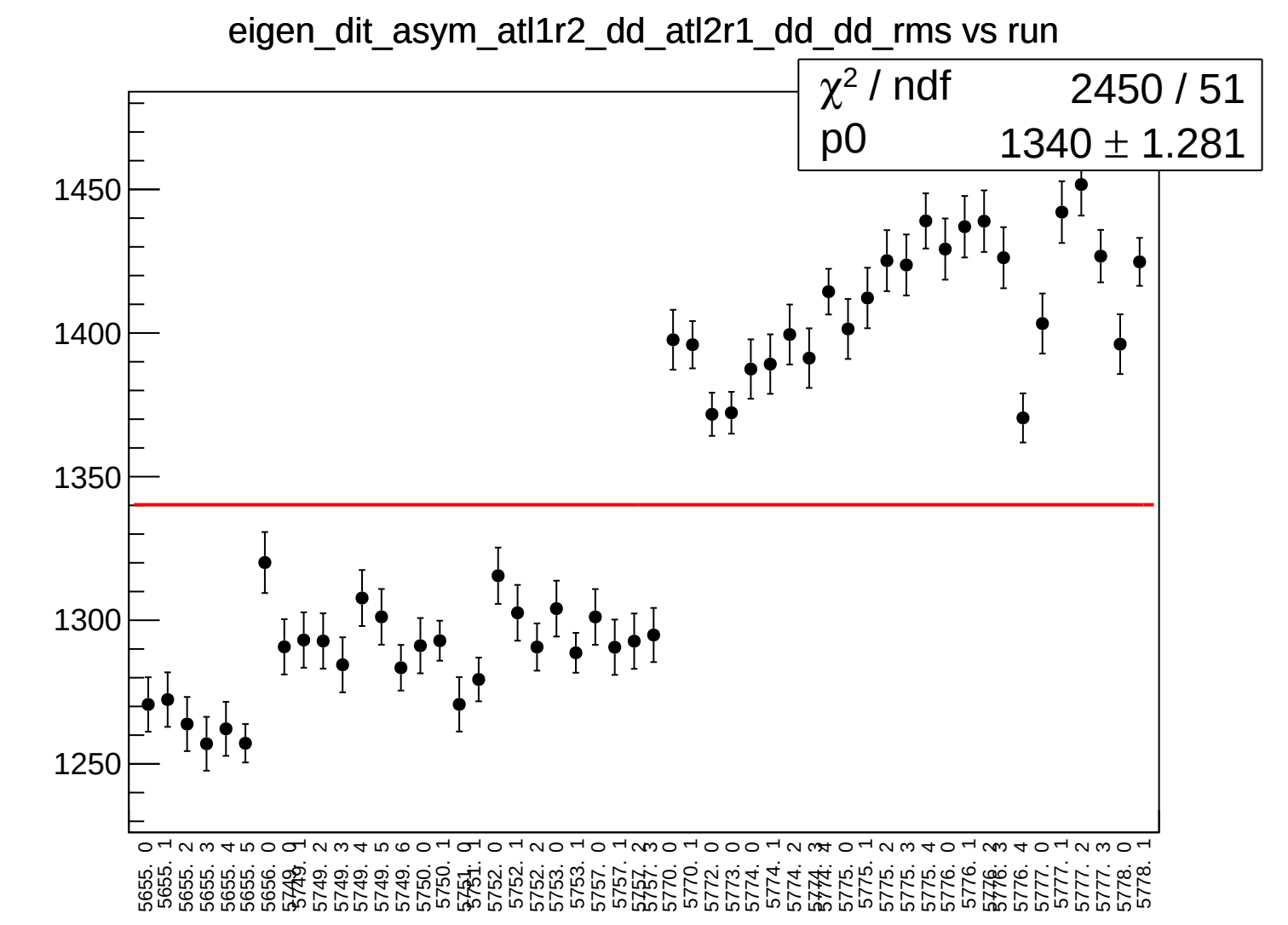
5778. 1


eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 68.18 / 51
p0 1848 ± 1812
pull
Entries 52
Mean 79
Std Dev 19.41


pull1D
Entries 52
Mean −0.006662
Std Dev 1.145


eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 2450 / 51
p0 1340 ± 1.281
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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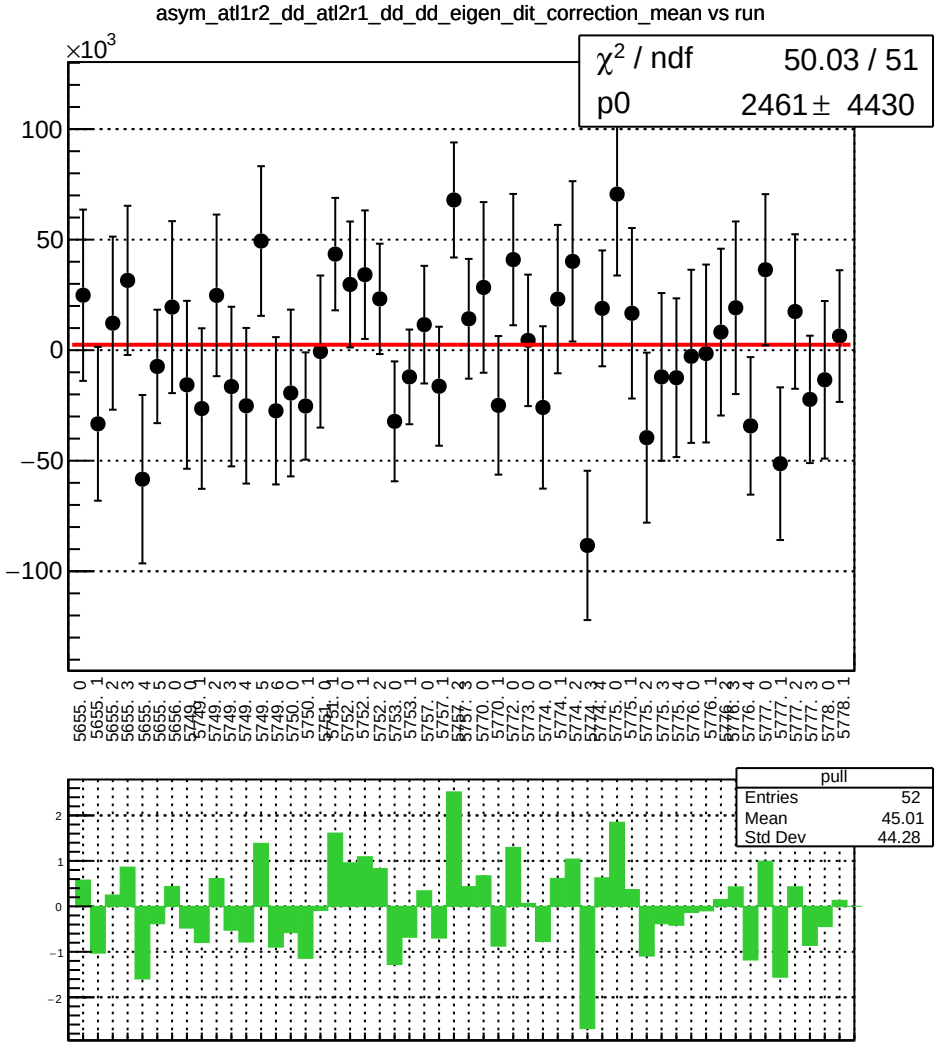
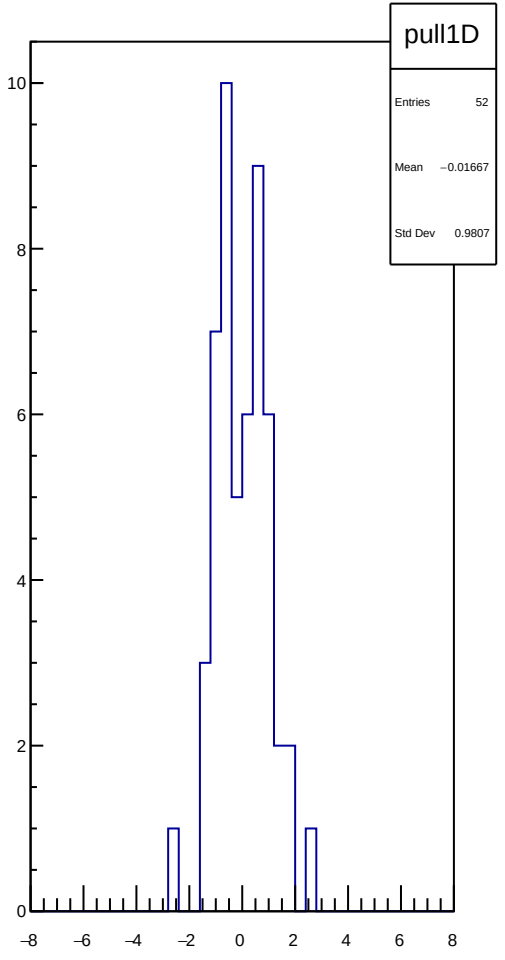
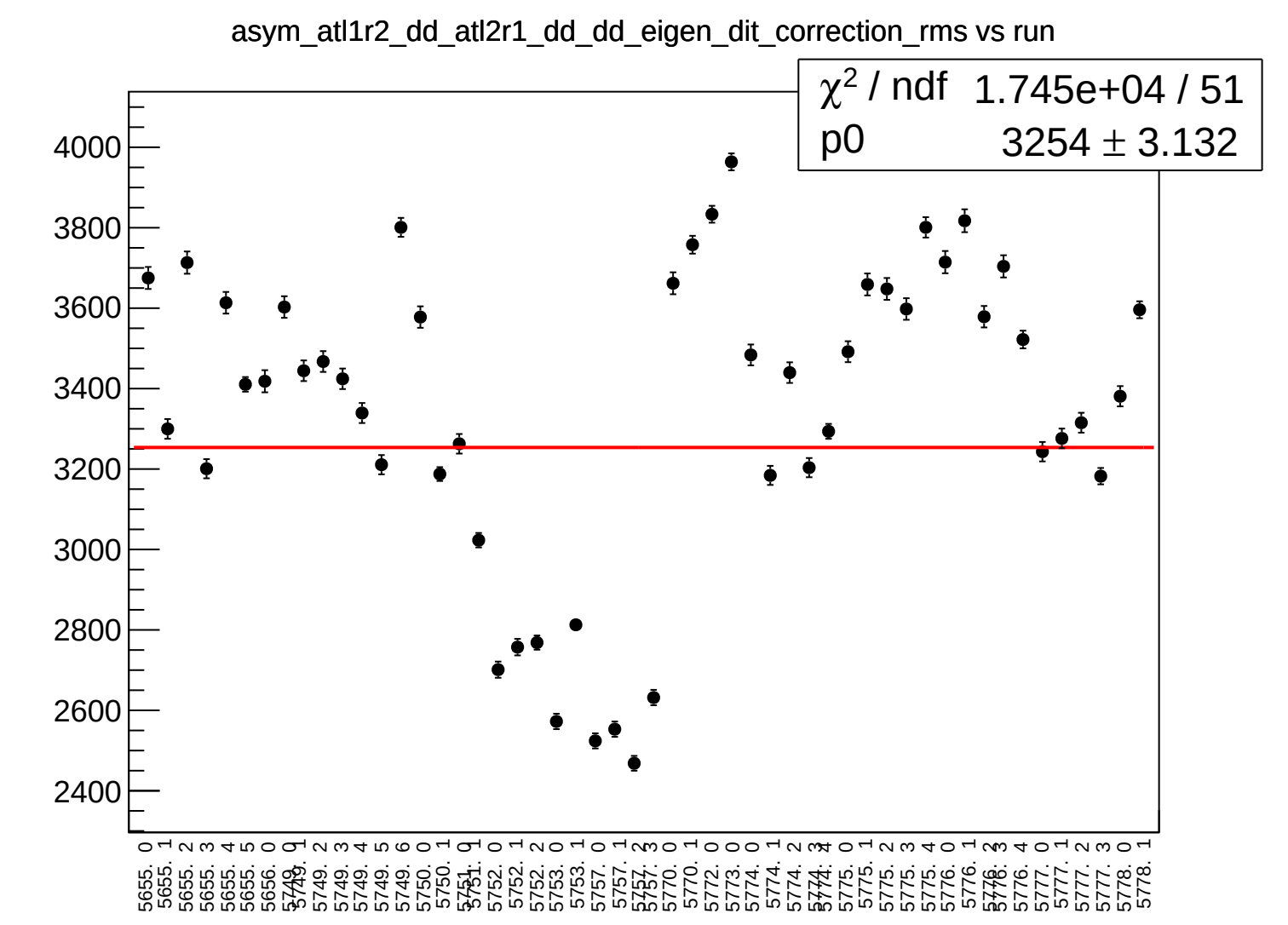
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 50.03 / 51
p0 2461 ± 4430
100
50
0
−50
−100
pull
Entries 52
Mean 45.01
Std Dev 44.28
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.01667
Std Dev 0.9807
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 1.745e+04 / 51
p0 3254 ± 3.132
4000
3800
3600
3400
3200
3000
2800
2600
2400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
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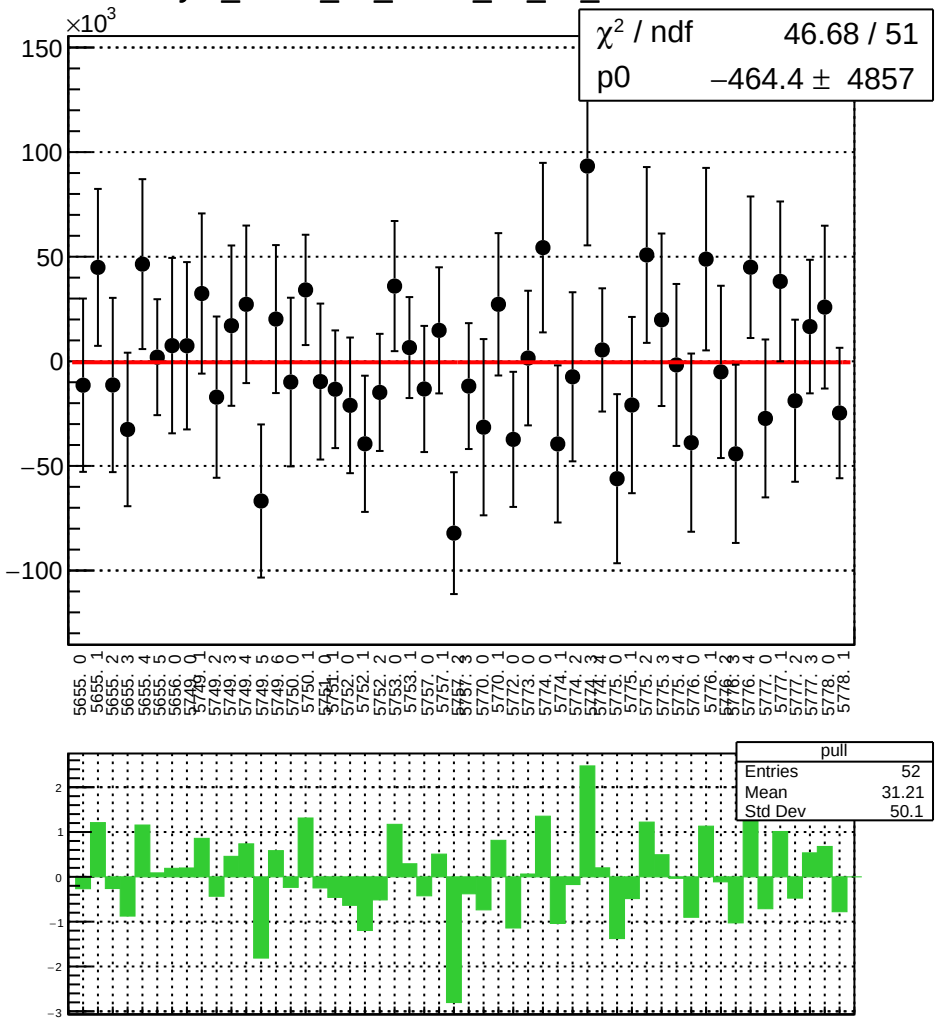
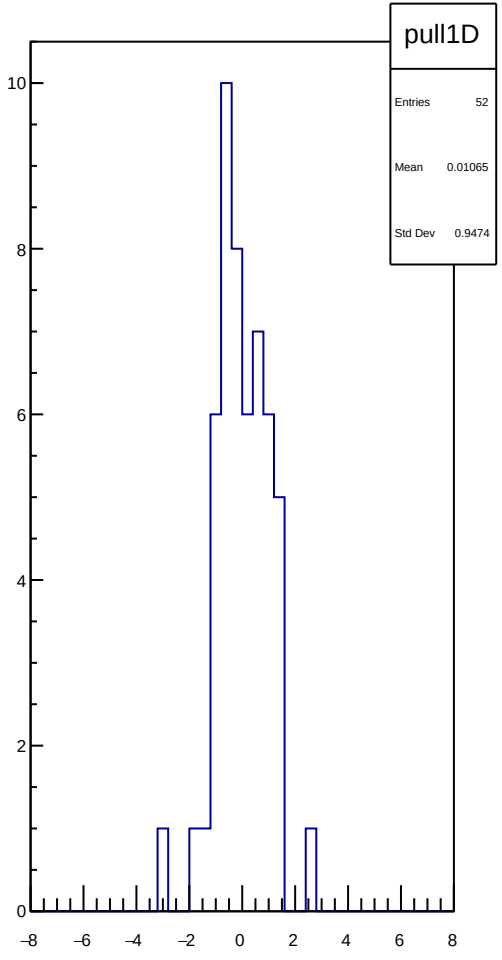
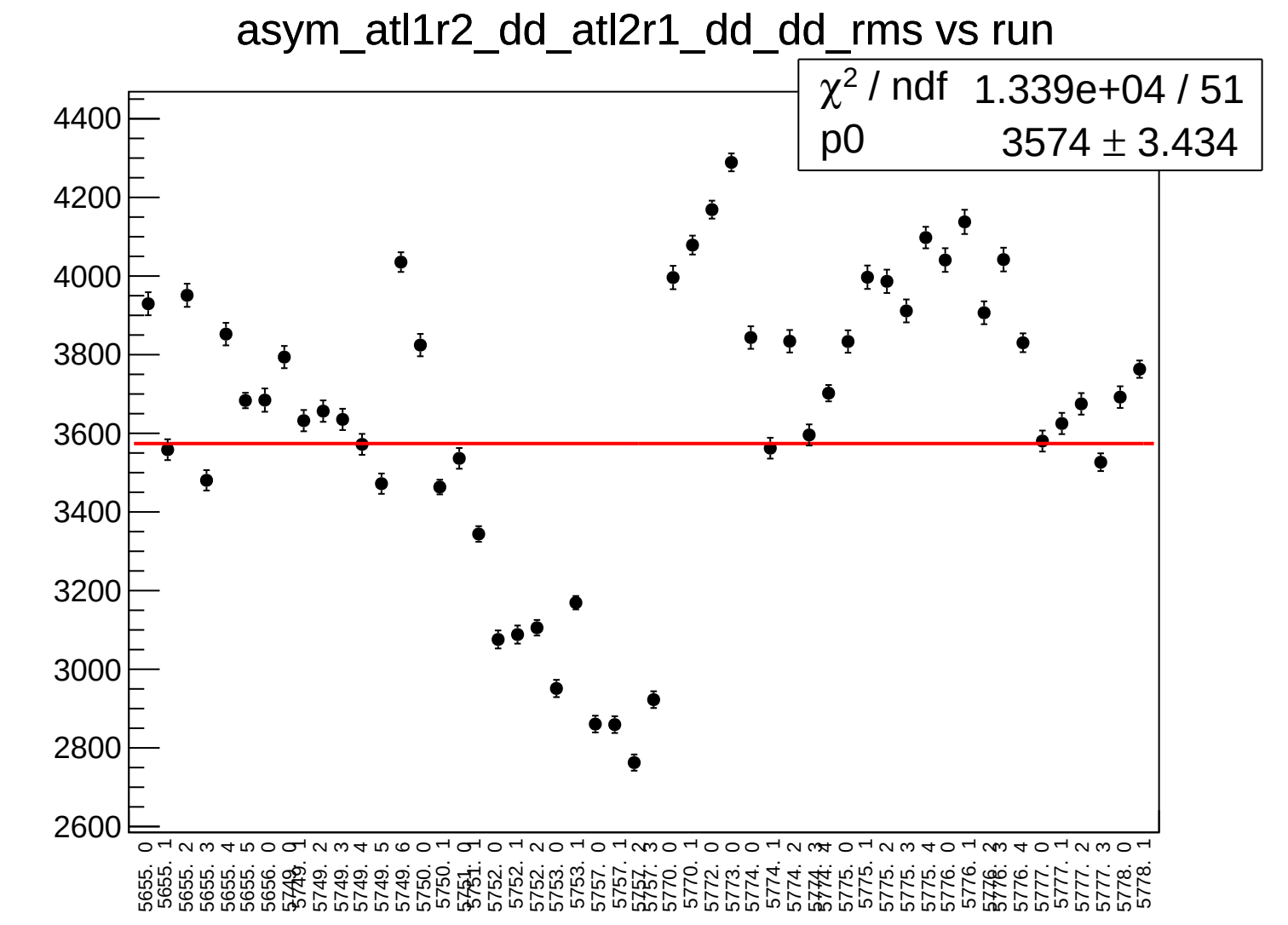
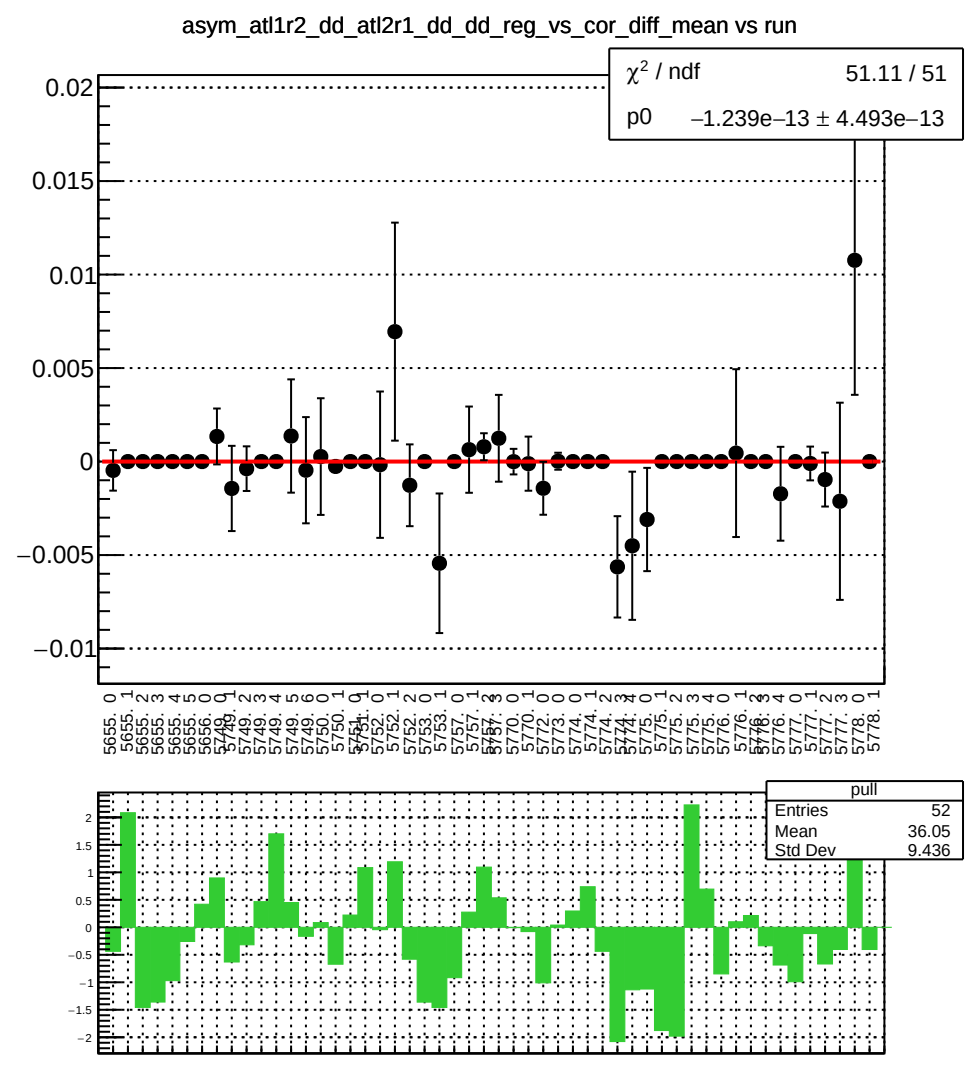
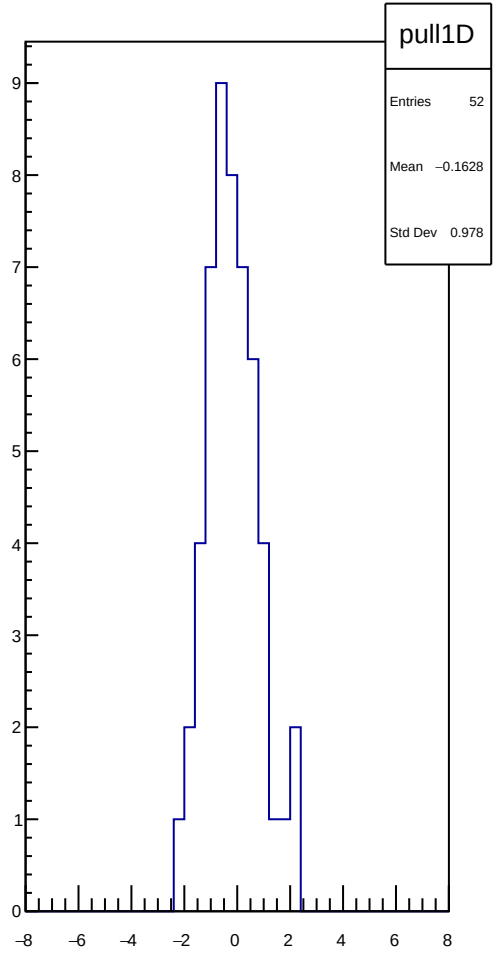
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

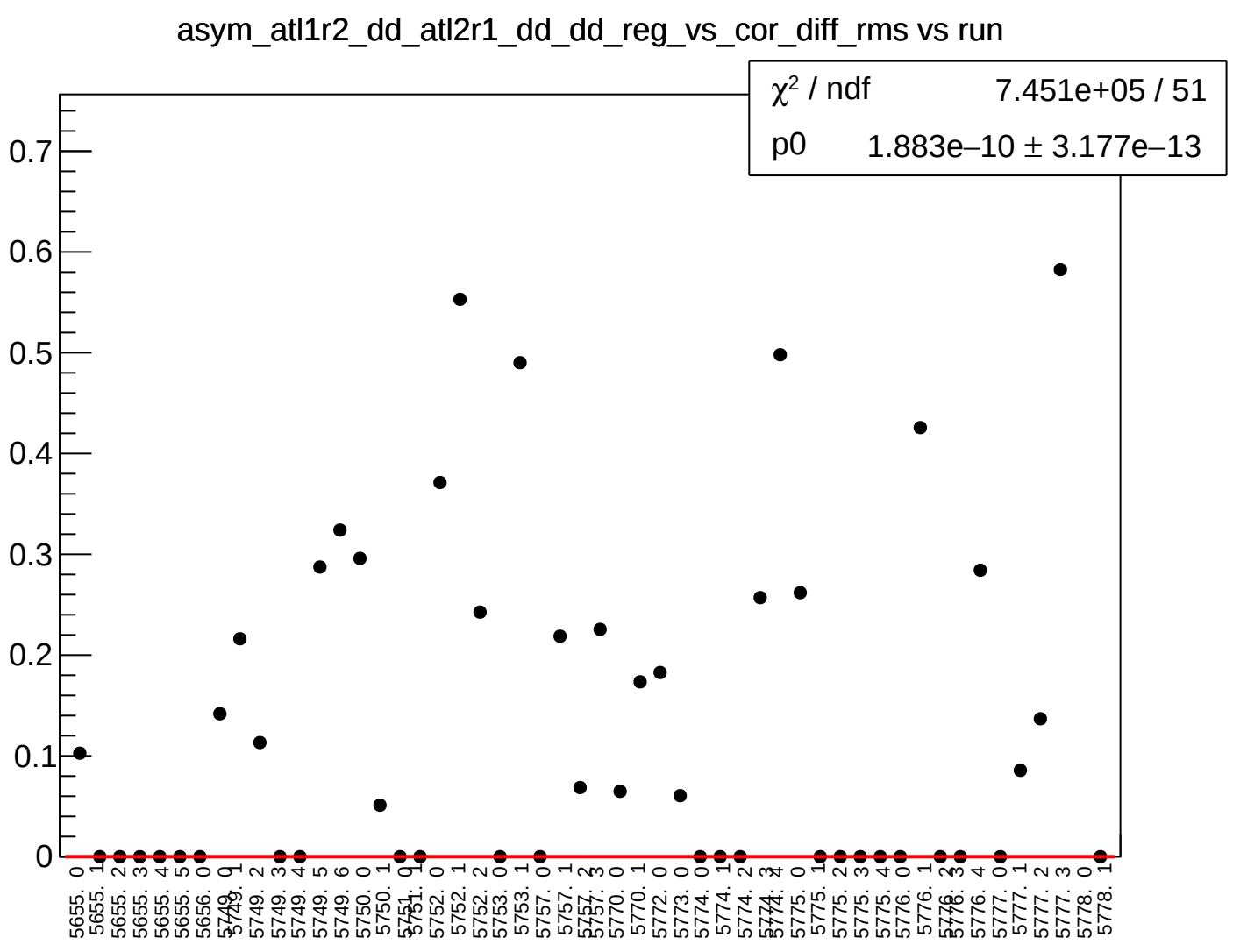

asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 46.68 / 51
p0 −464.4 ± 4857
150
100
50
0
−50
−100
pull
Entries 52
Mean 31.21
Std Dev 50.1
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean 0.01065
Std Dev 0.9474
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

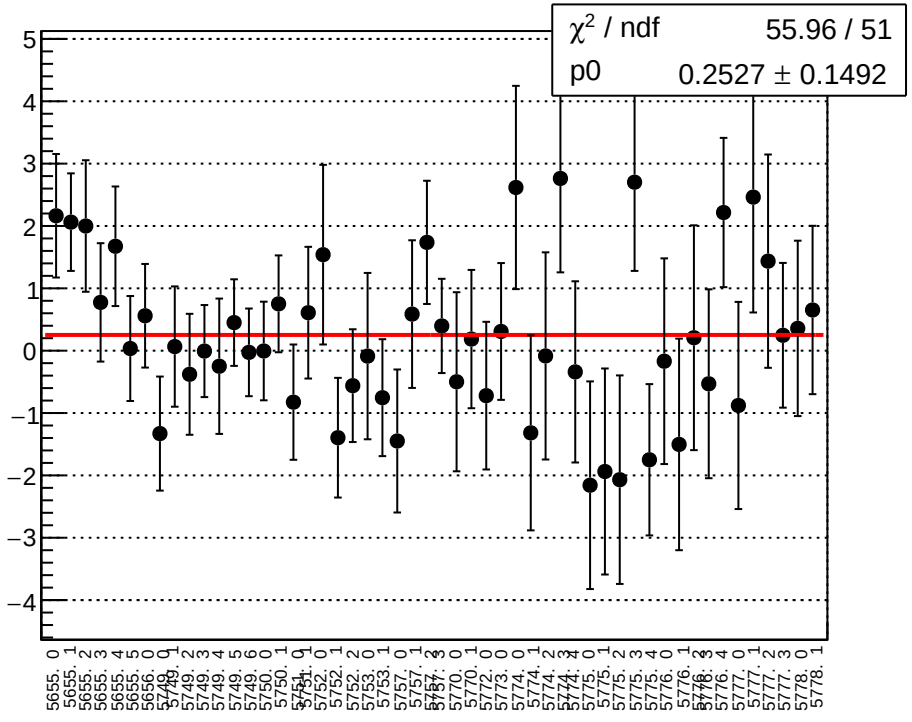

asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 1.339e+04 / 51
p0 3574 ± 3.434
4400
4200
4000
3800
3600
3400
3200
3000
2800
2600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

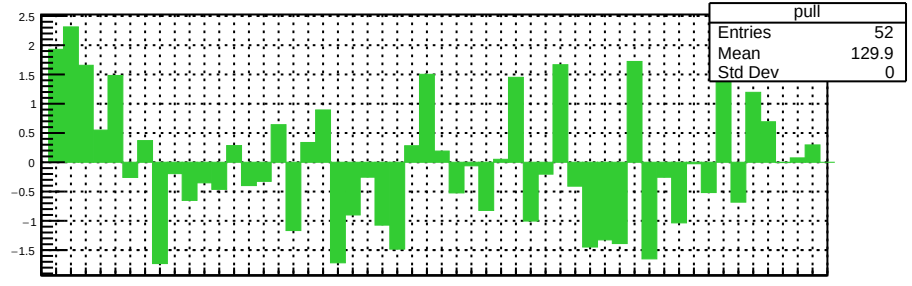

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 51.11 / 51
p0 −1.239e−13 ± 4.493e−13
pull
Entries 52
Mean 36.05
Std Dev 9.436

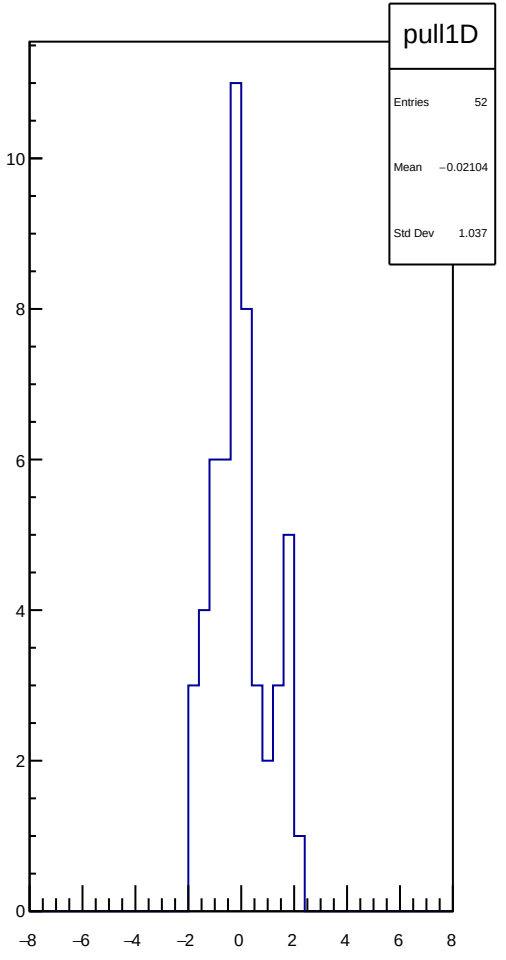

pull1D
Entries 52
Mean −0.1628
Std Dev 0.978

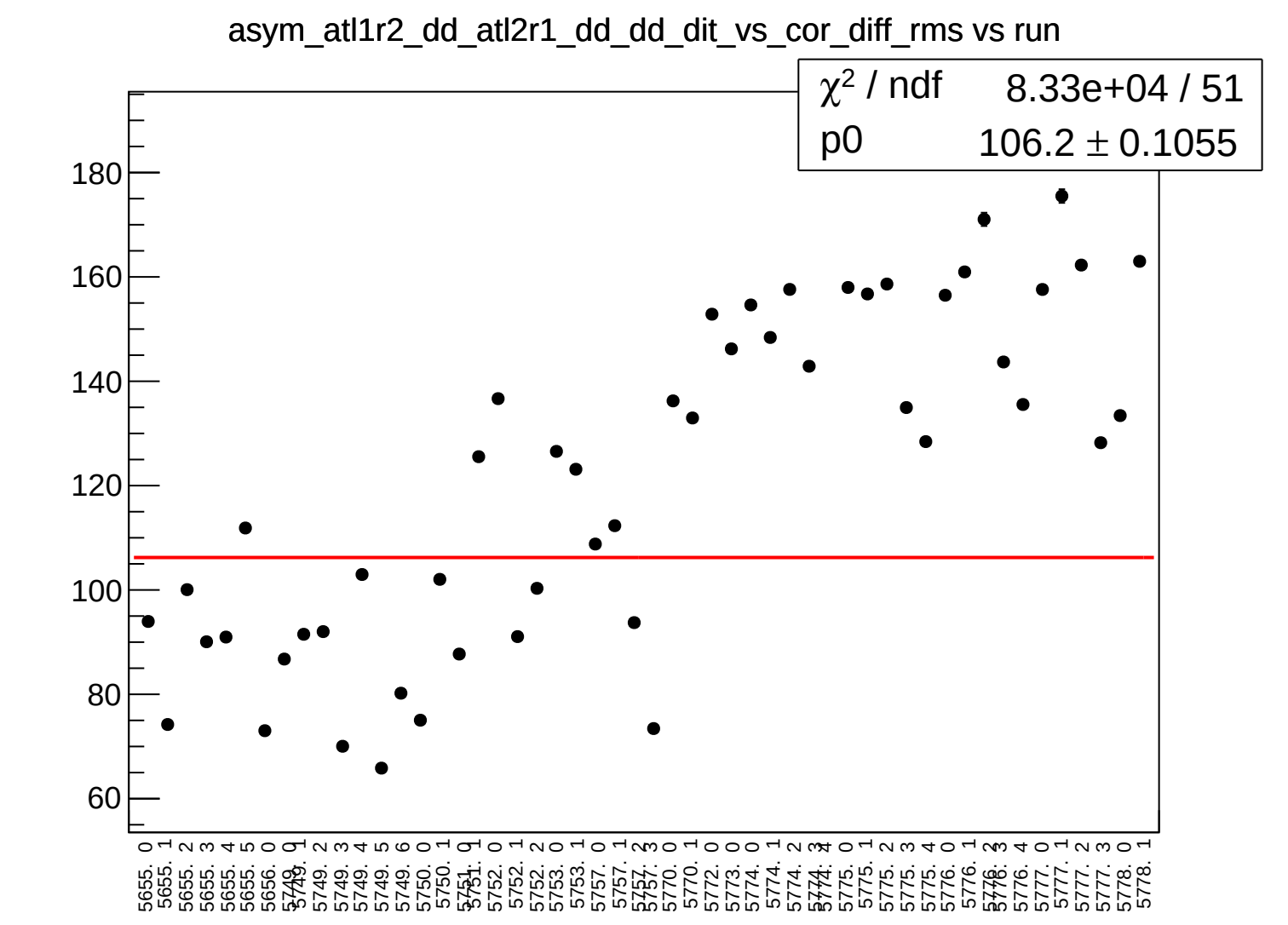

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.451e+05 / 51
p0 1.883e−10 ± 3.177e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

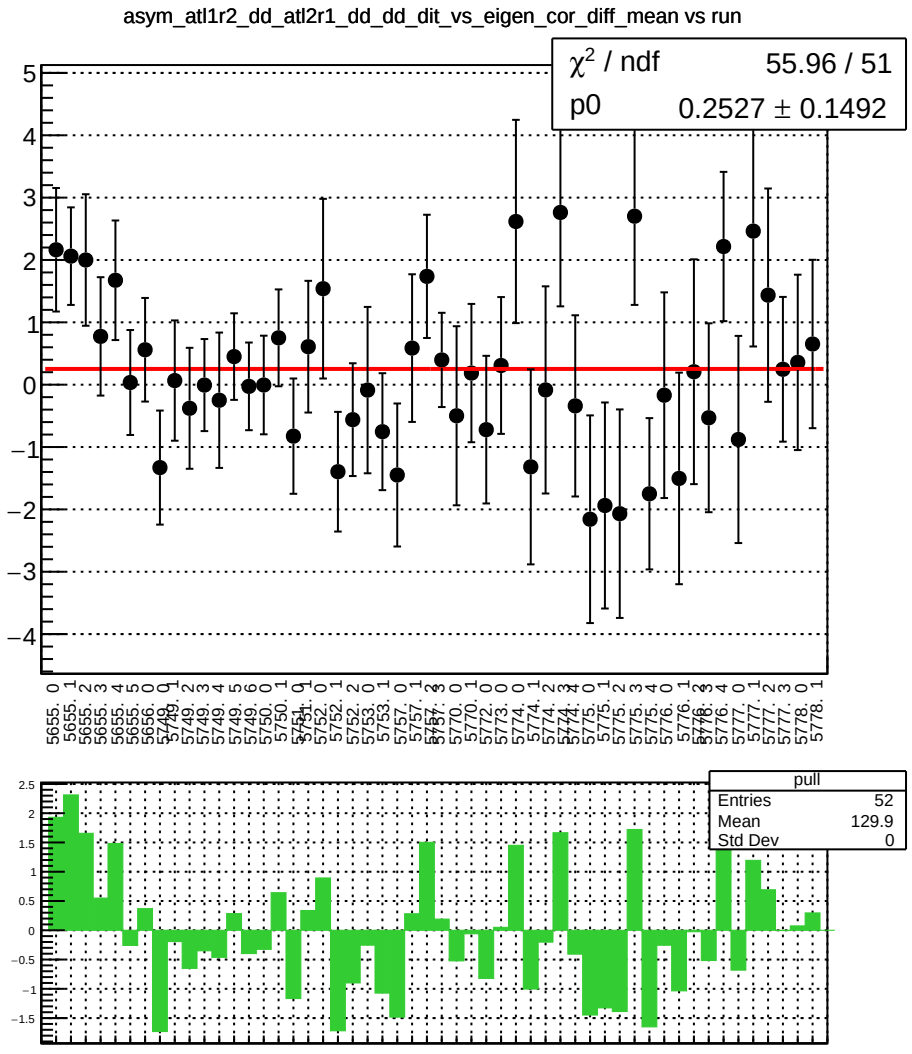
asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs run

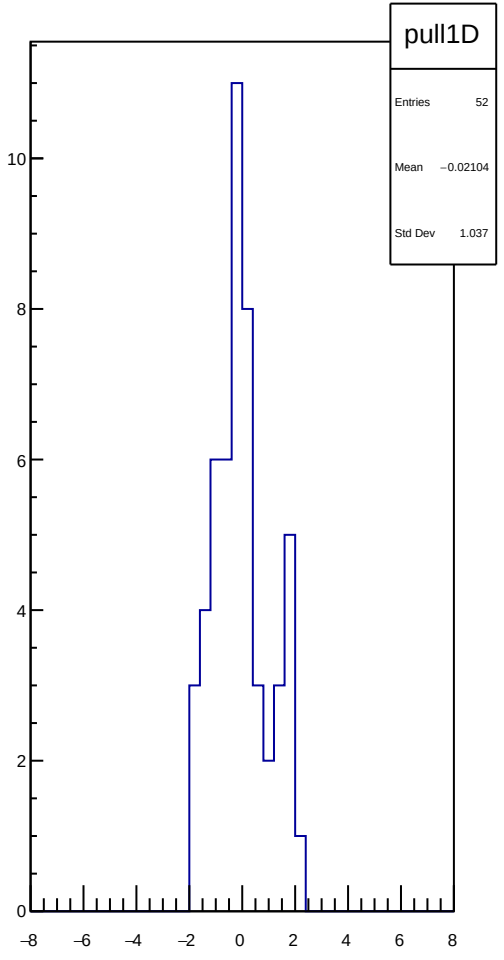


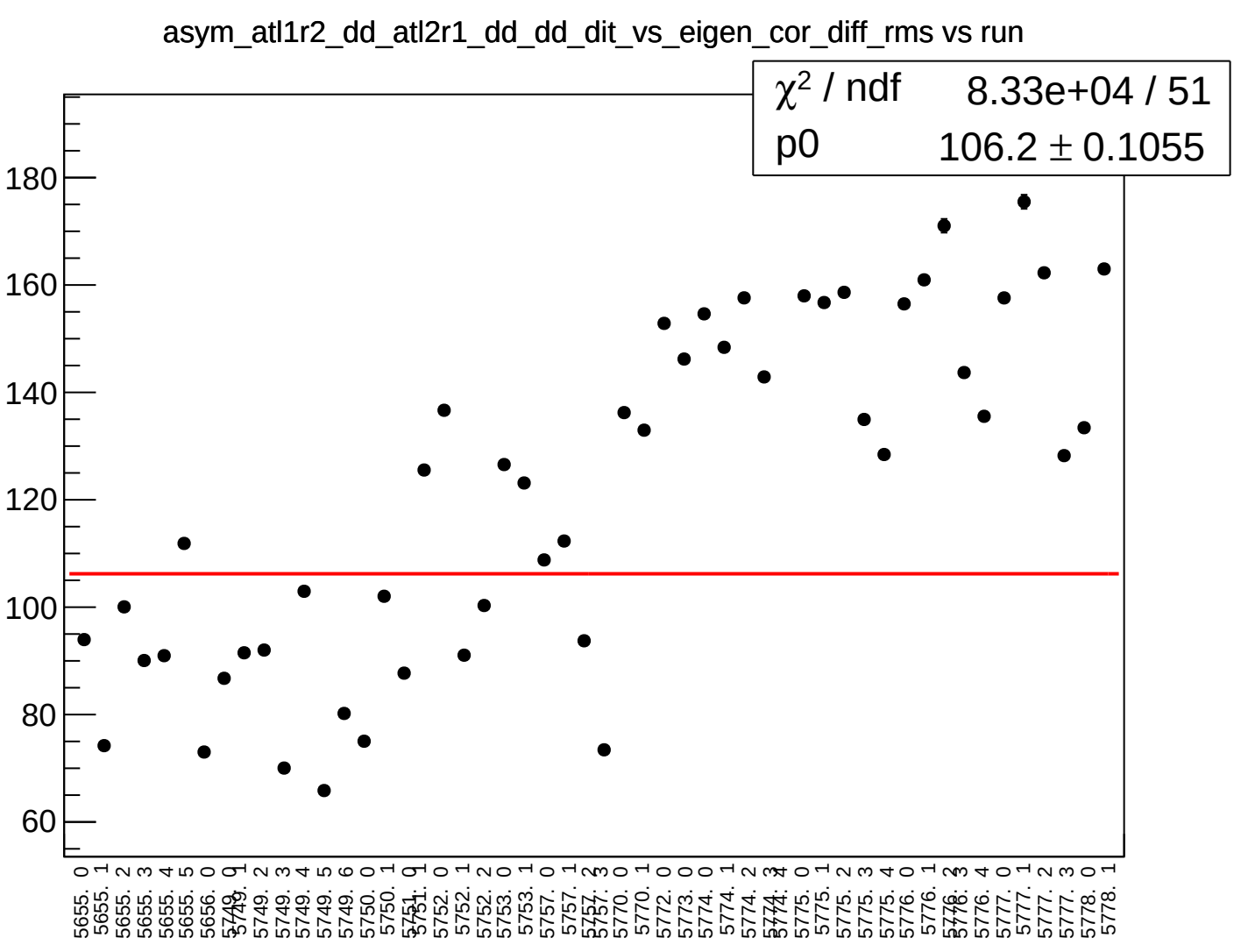


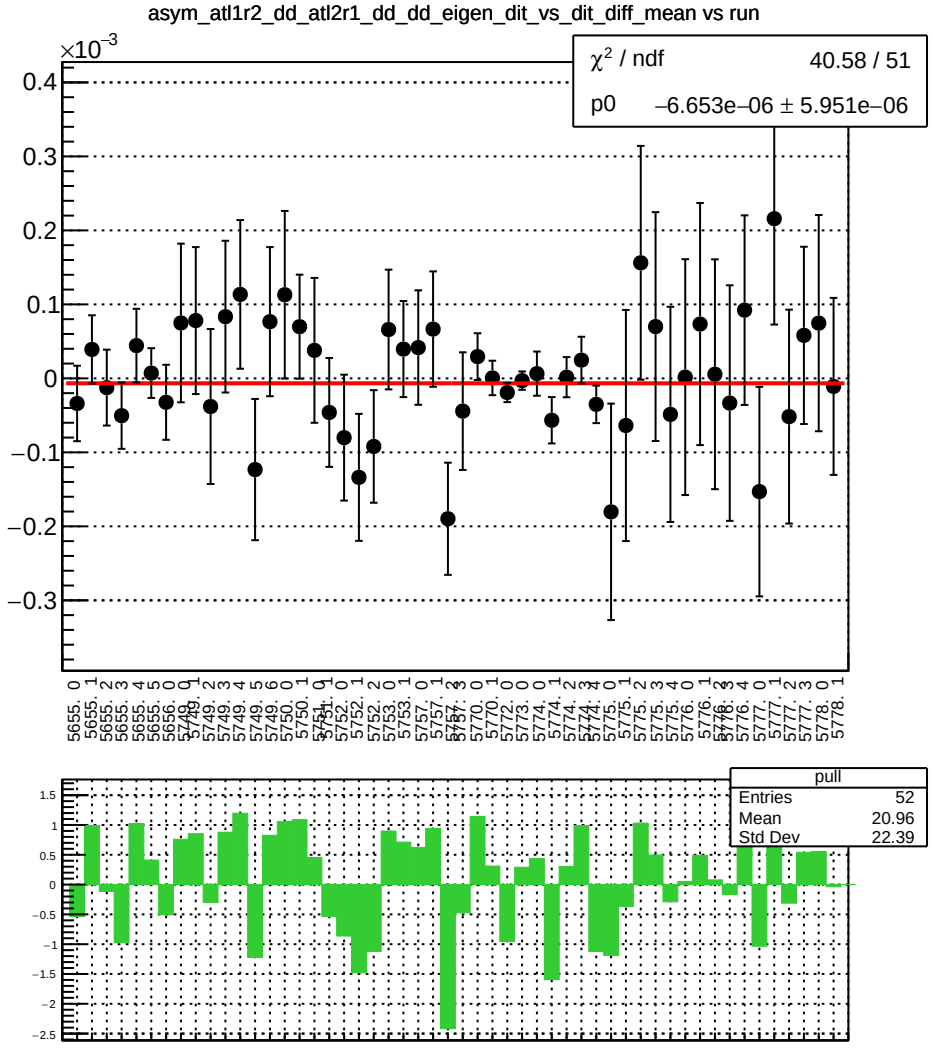


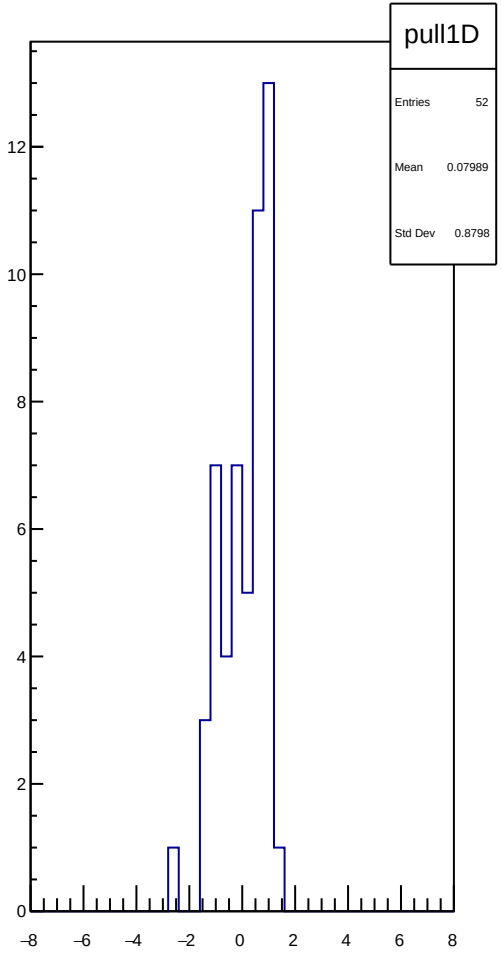

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 8.33e+04 / 51
p0 106.2 ± 0.1055
180
160
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

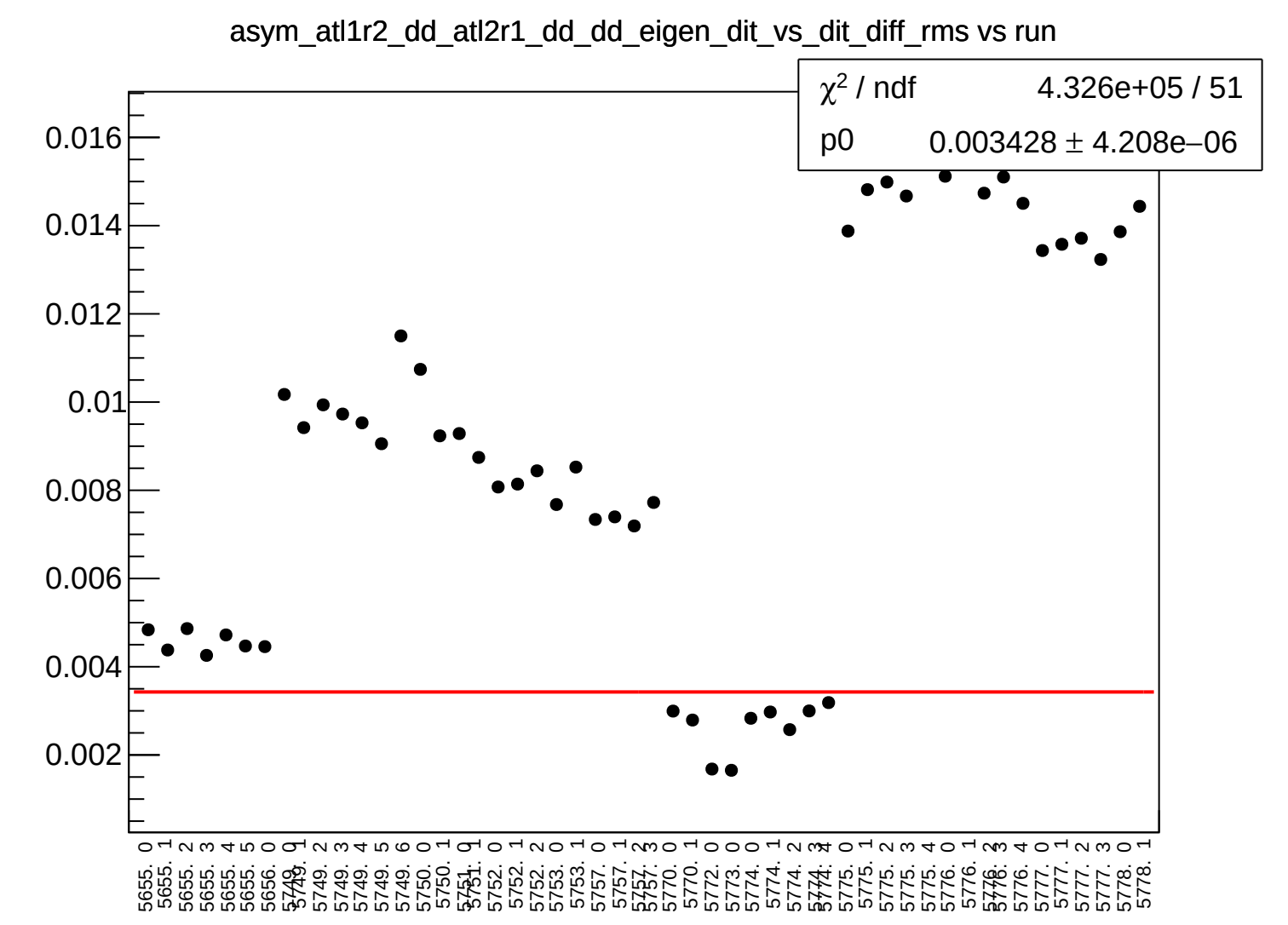

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.96 / 51
p0 0.2527 ± 0.1492
pull
Entries 52
Mean 129.9
Std Dev 0

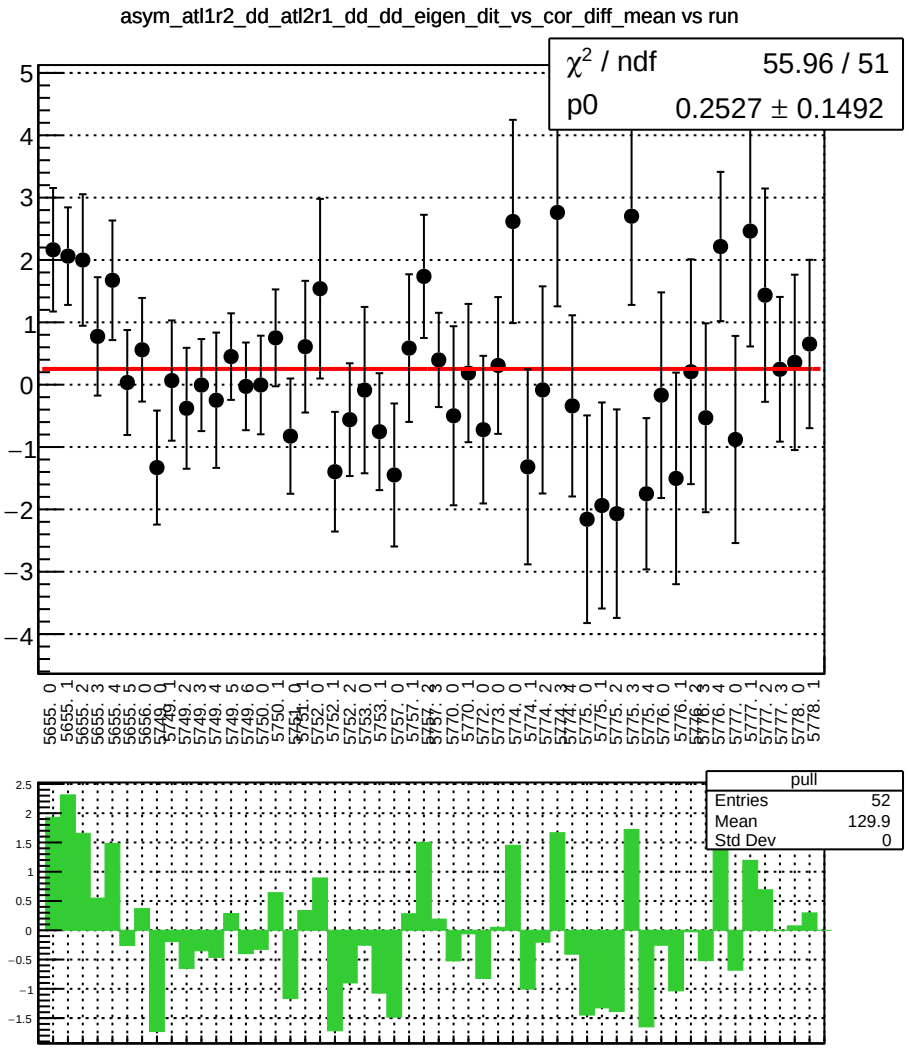

pull1D
Entries 52
Mean −0.02104
Std Dev 1.037

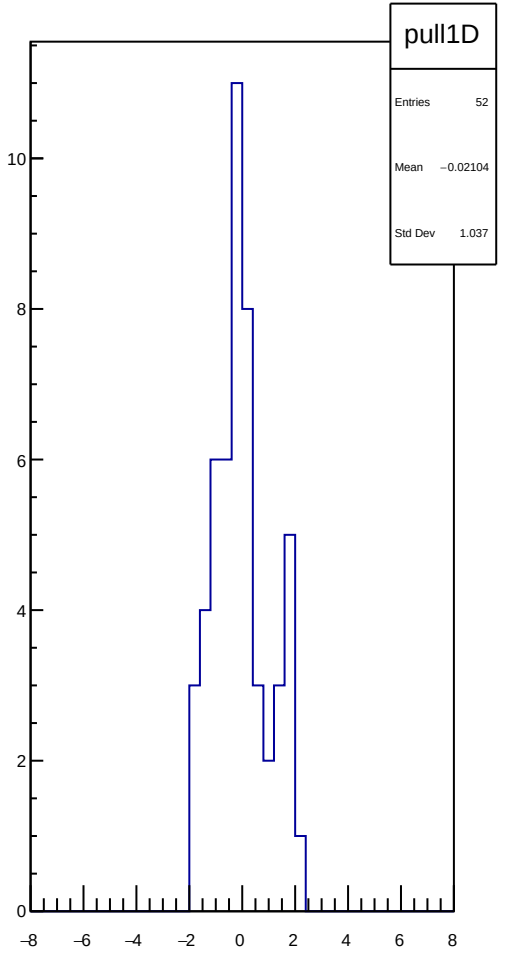

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.33e+04 / 51
p0 106.2 ± 0.1055
180
160
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

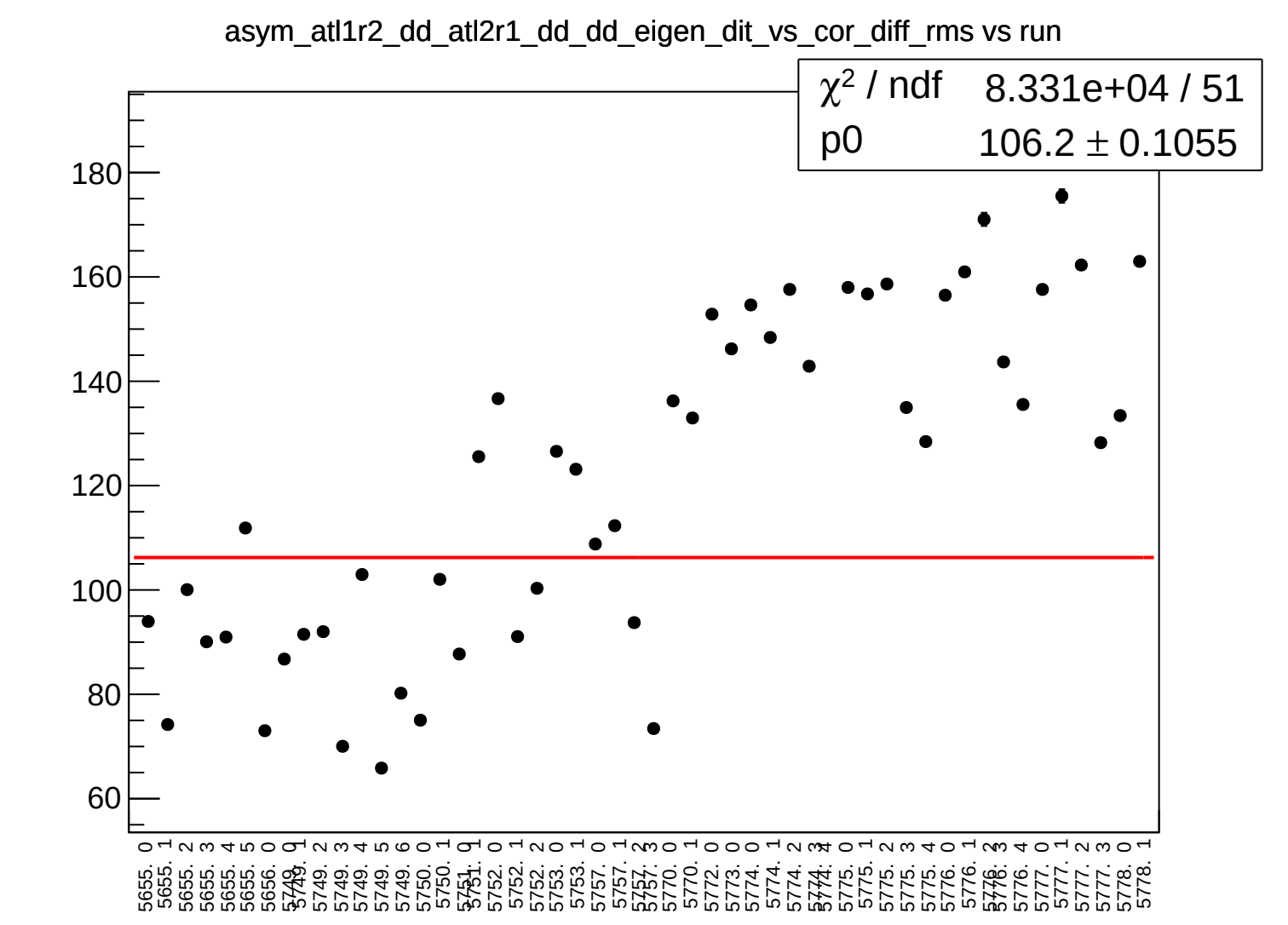

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 40.58 / 51
p0 −6.653e−06 ± 5.951e−06
pull
Entries 52
Mean 20.96
Std Dev 22.39

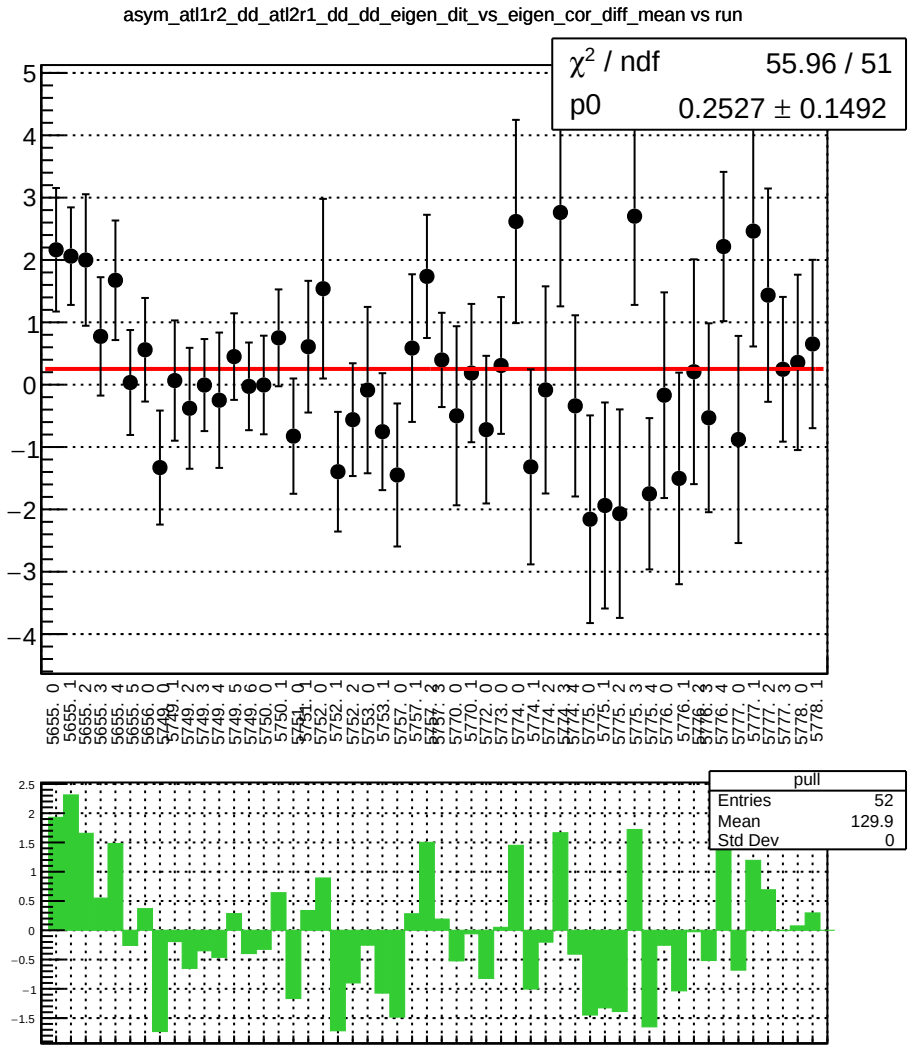

pull1D
Entries 52
Mean 0.07989
Std Dev 0.8798

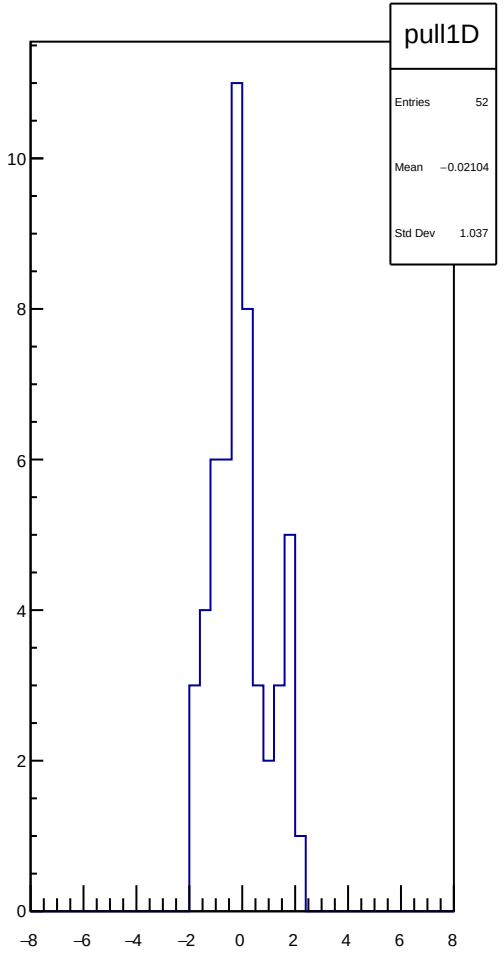

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.326e+05 / 51
p0 0.003428 ± 4.208e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

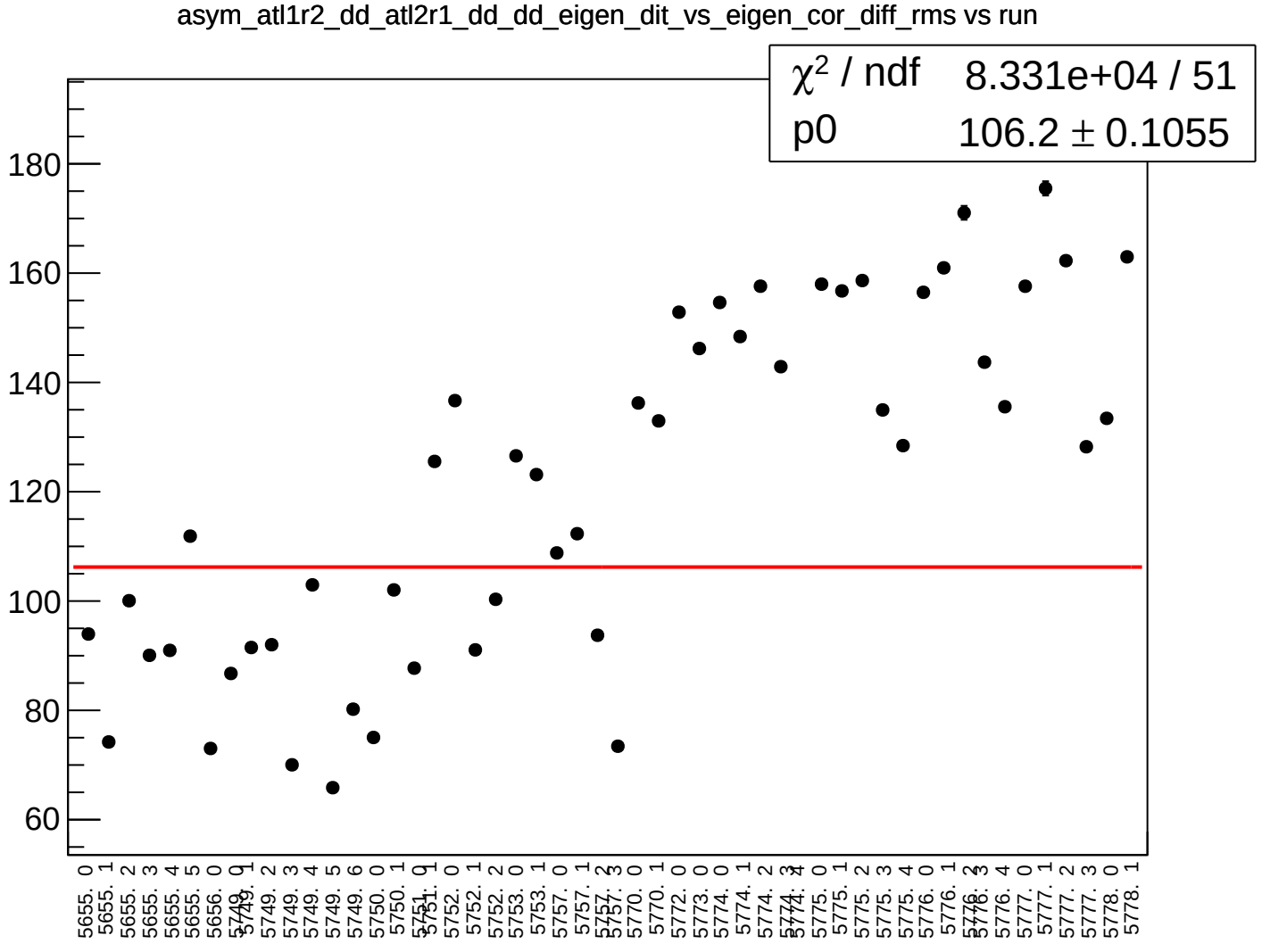

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.96 / 51
p0 0.2527 ± 0.1492
pull
Entries 52
Mean 129.9
Std Dev 0

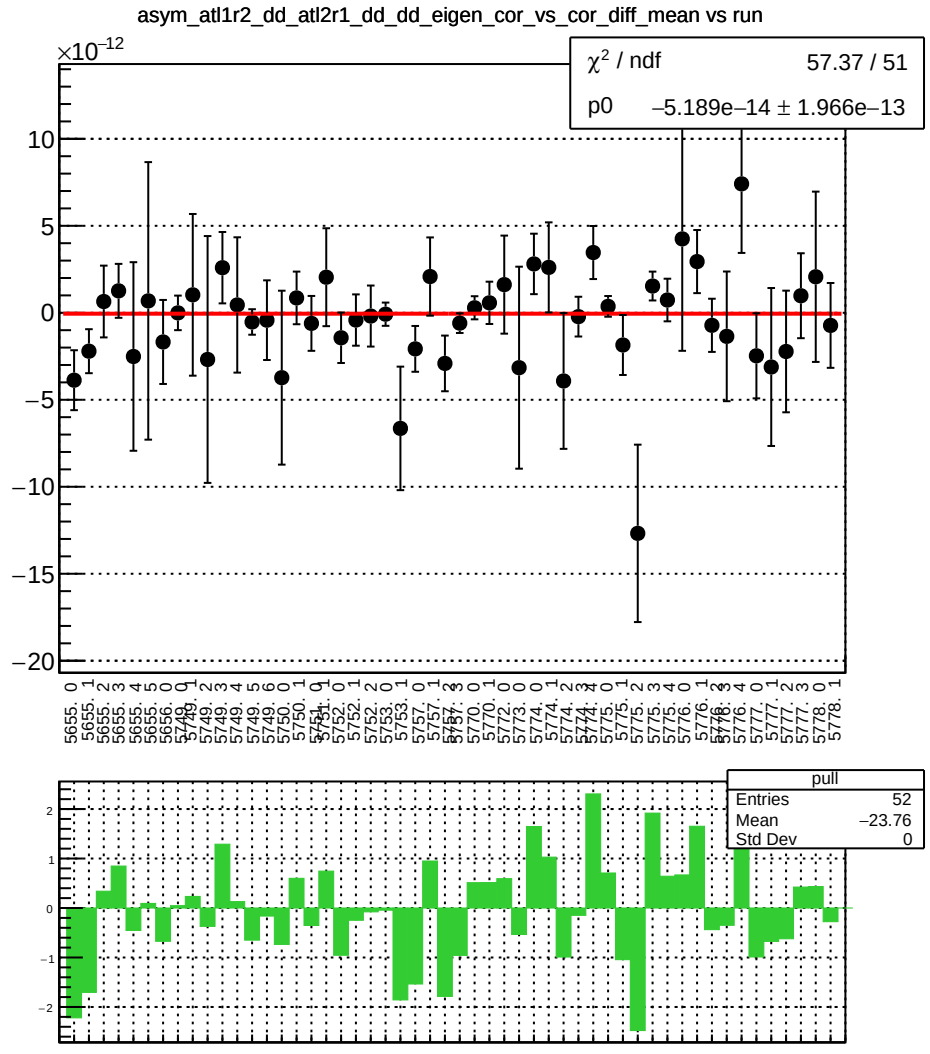

pull1D
Entries 52
Mean −0.02104
Std Dev 1.037

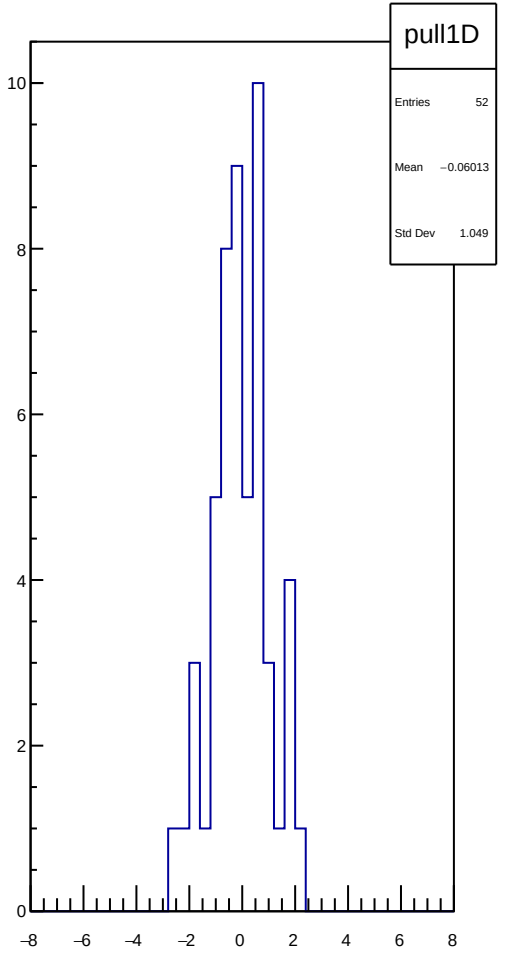

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.331e+04 / 51
p0 106.2 ± 0.1055
180
160
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

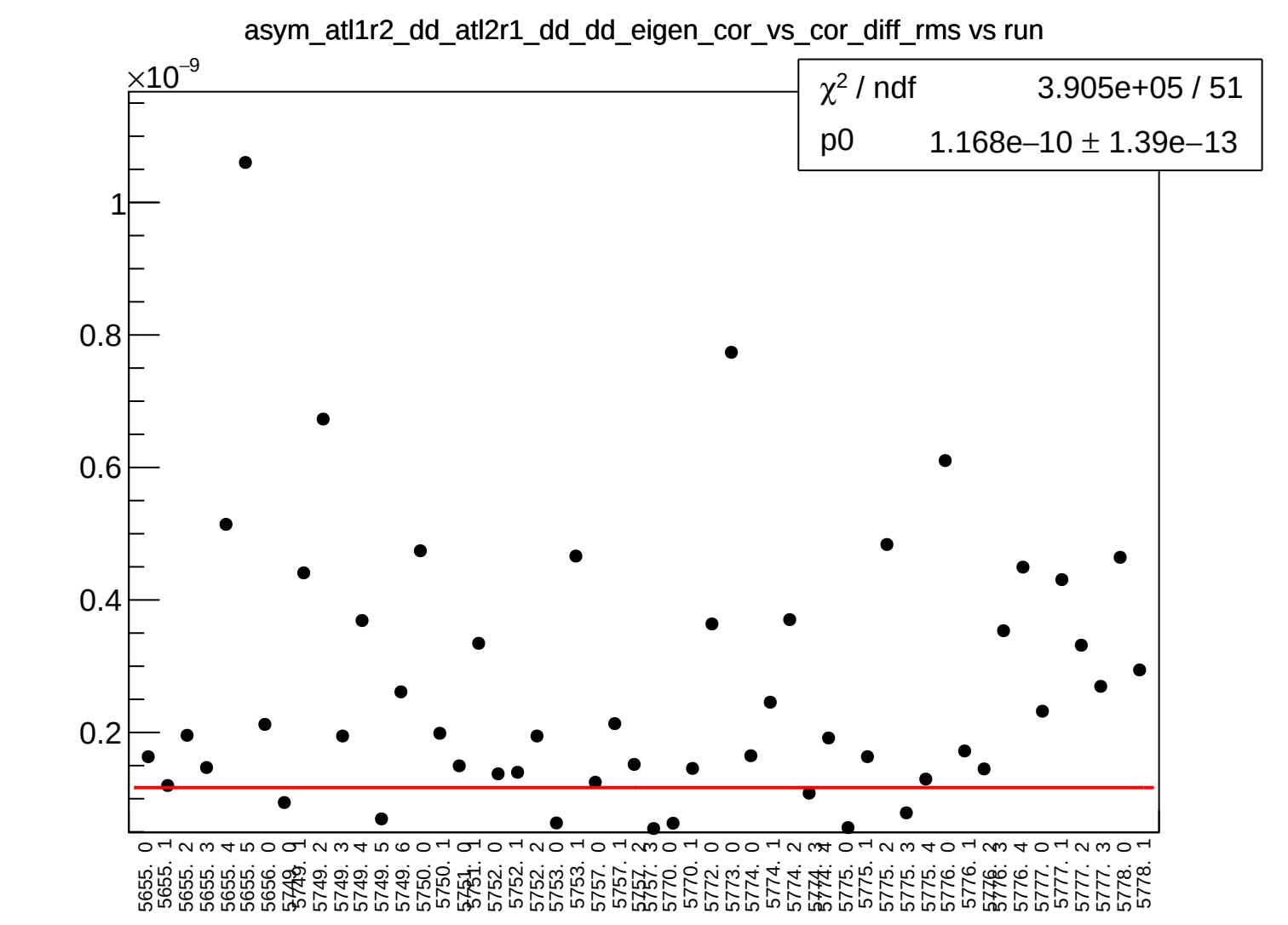

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.96 / 51
p0 0.2527 ± 0.1492
pull
Entries 52
Mean 129.9
Std Dev 0

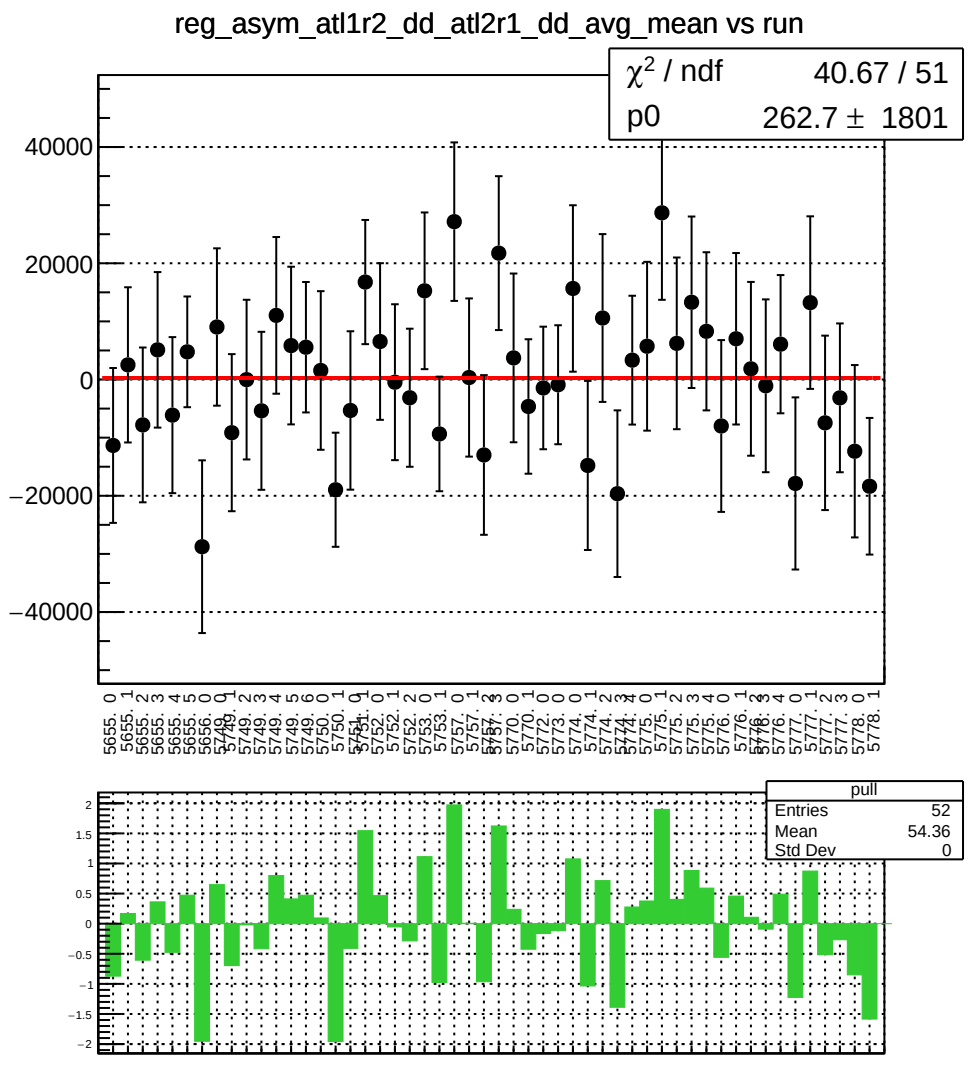

pull1D
Entries 52
Mean −0.02104
Std Dev 1.037

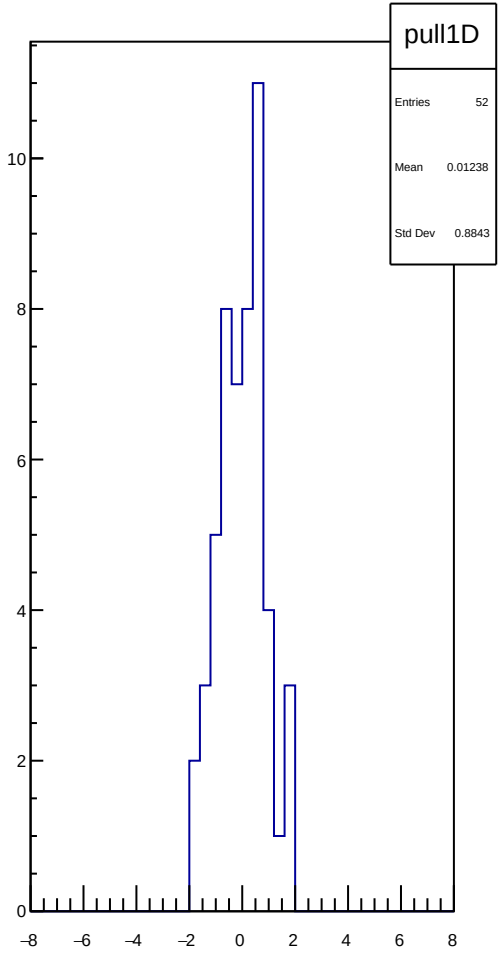

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.331e+04 / 51
p0 106.2 ± 0.1055
180
160
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

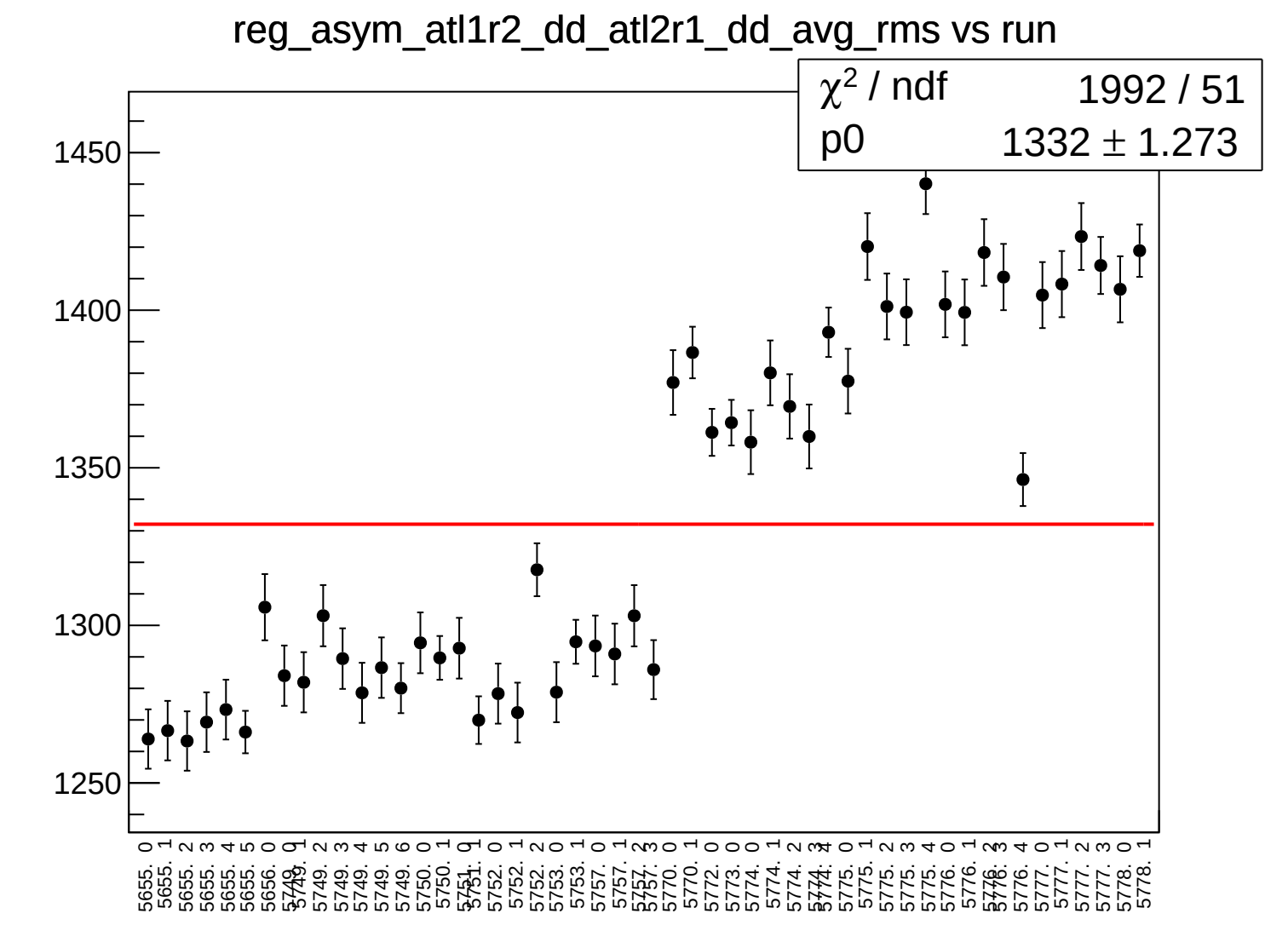

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 57.37 / 51
p0 −5.189e−14 ± 1.966e−13
pull
Entries 52
Mean −23.76
Std Dev 0

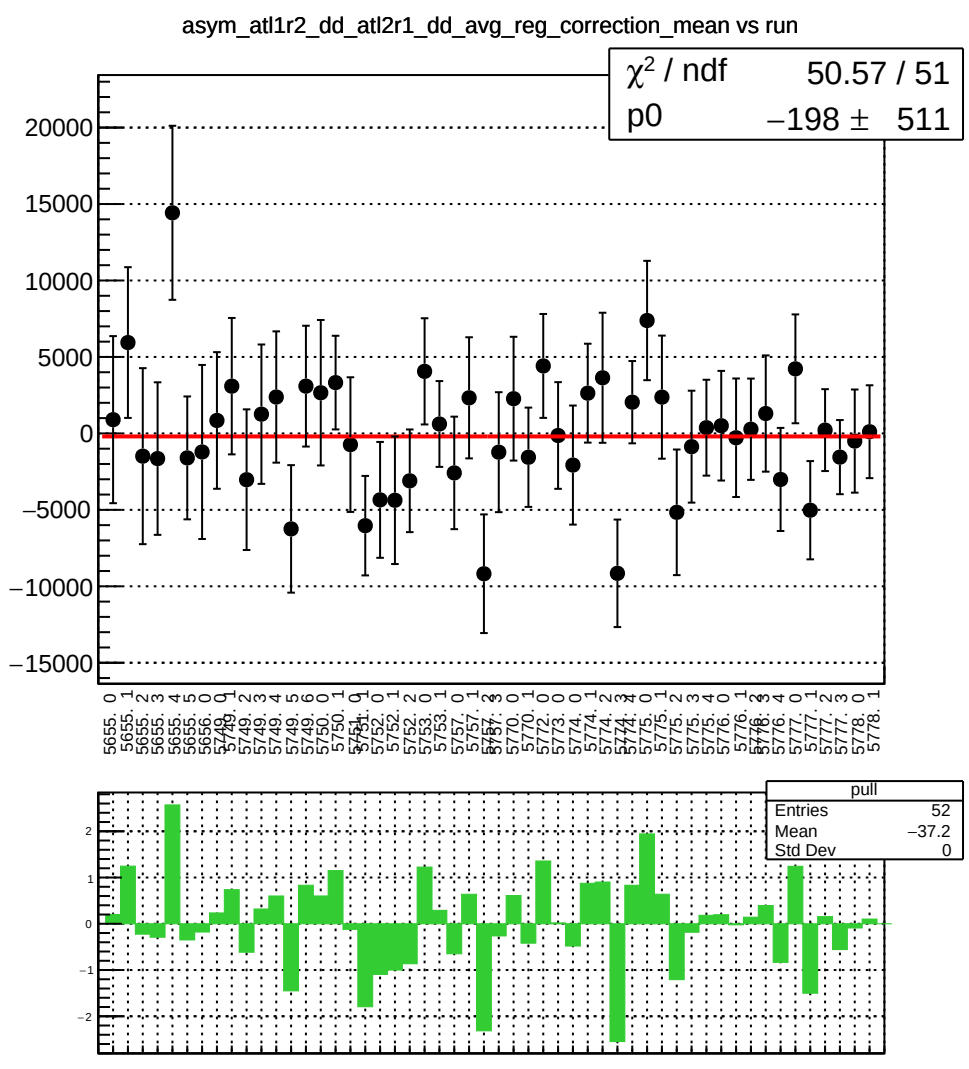

pull1D
Entries 52
Mean −0.06013
Std Dev 1.049

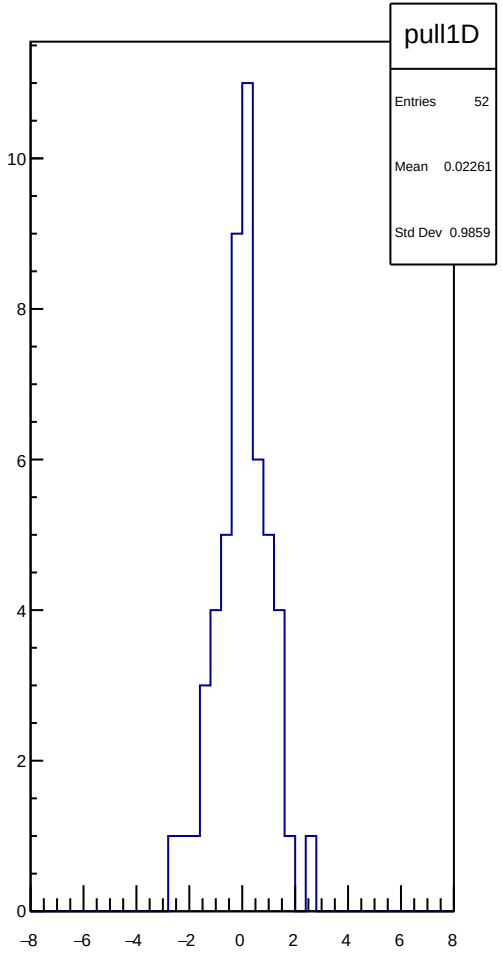

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.905e+05 / 51
p0 1.168e−10 ± 1.39e−13
1
0.8
0.6
0.4
0.2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

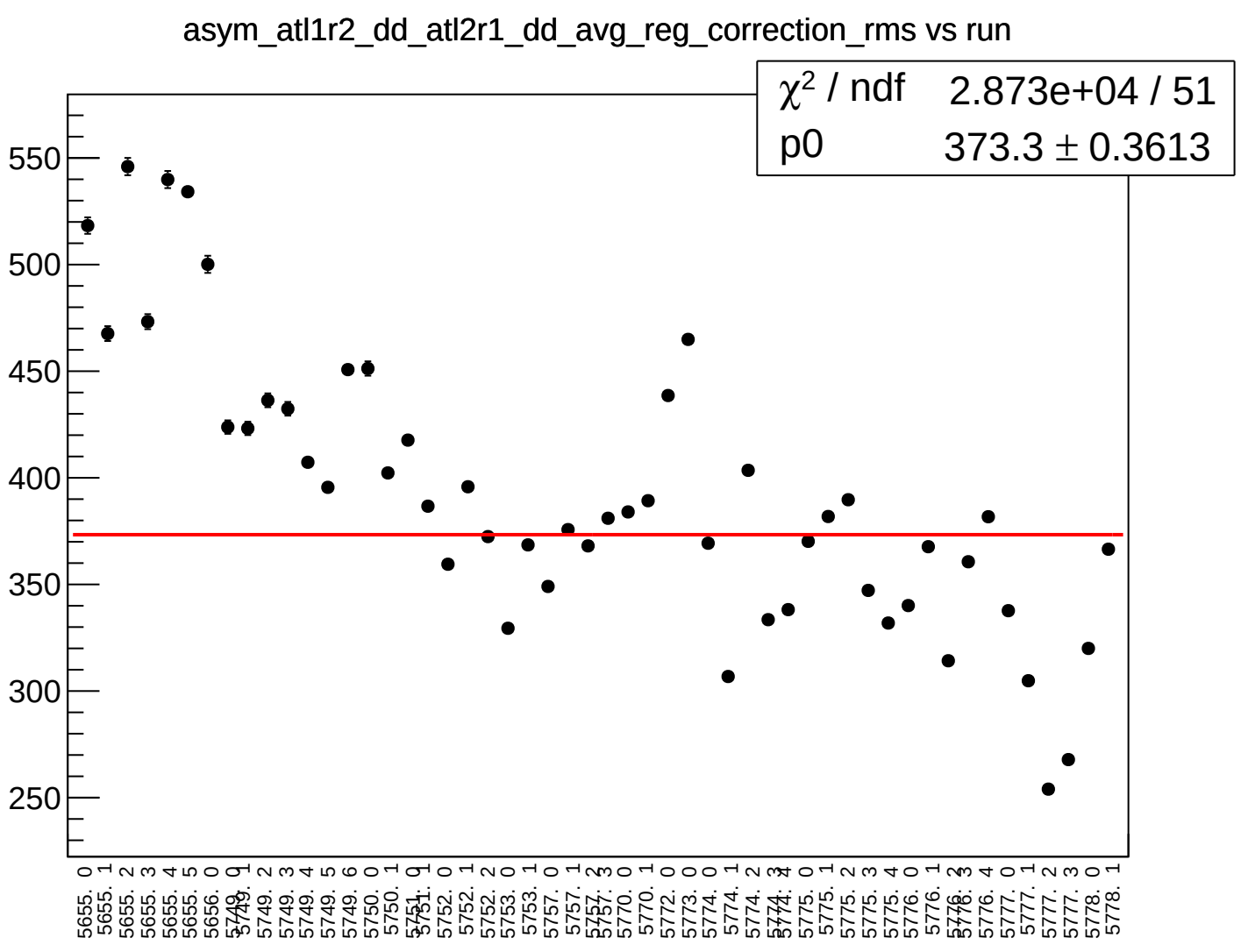

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 40.67 / 51
p0 262.7 ± 1801
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 54.36
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

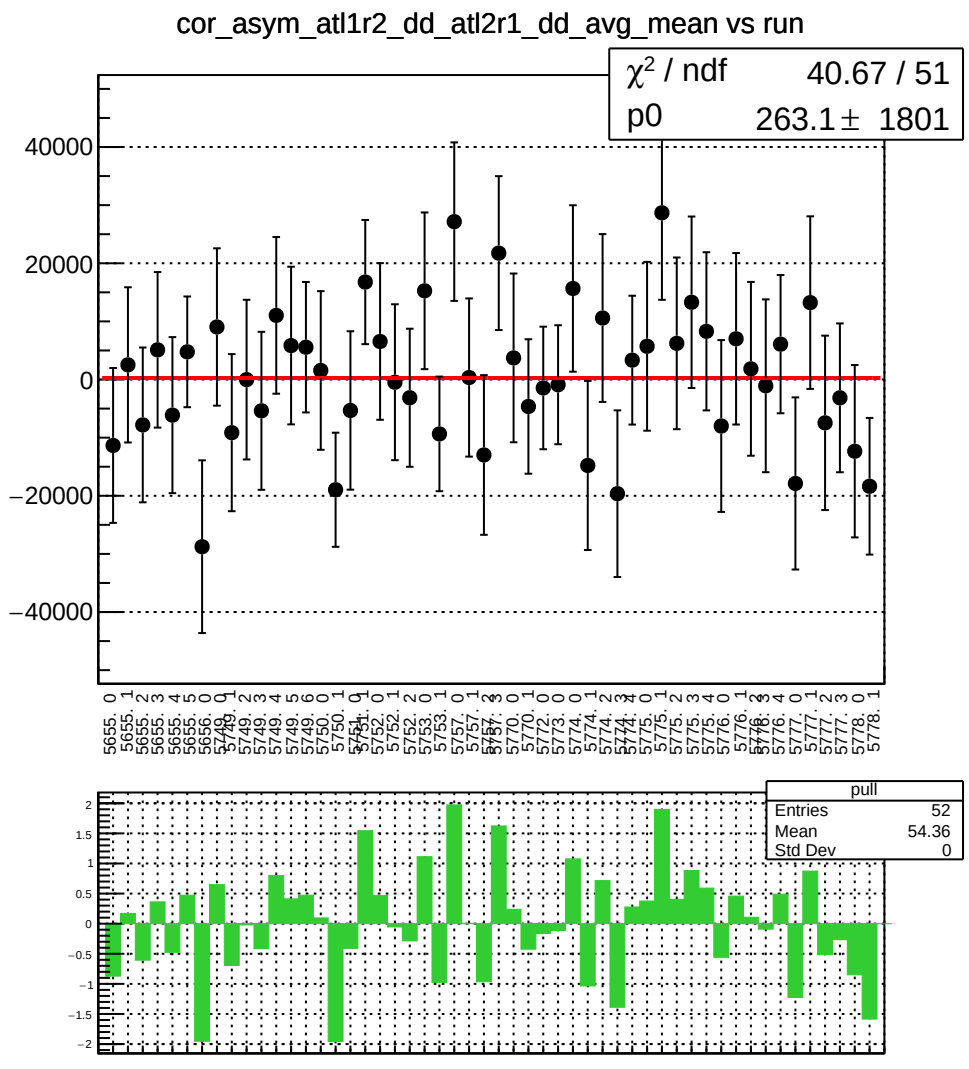

pull1D
Entries 52
Mean 0.01238
Std Dev 0.8843
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

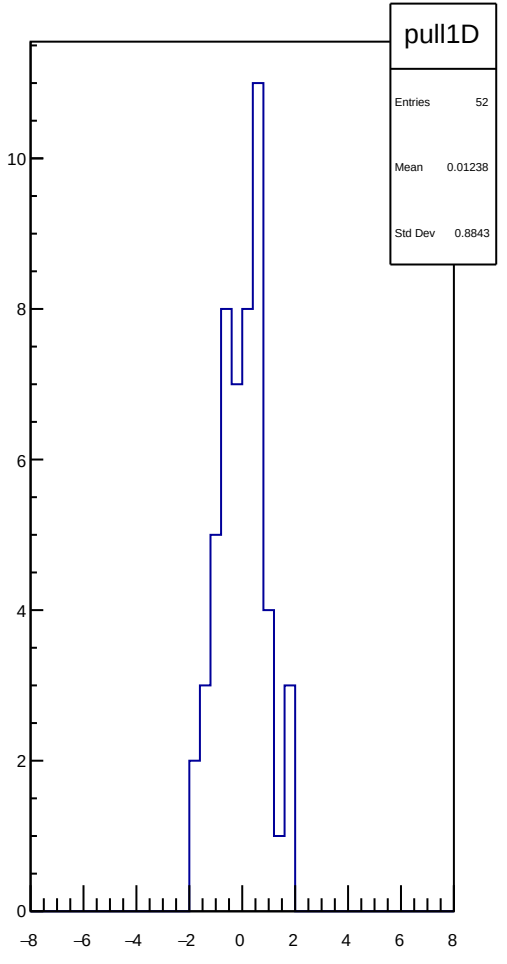

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ^2 / ndf 1992 / 51
p0 1332 ± 1.273
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

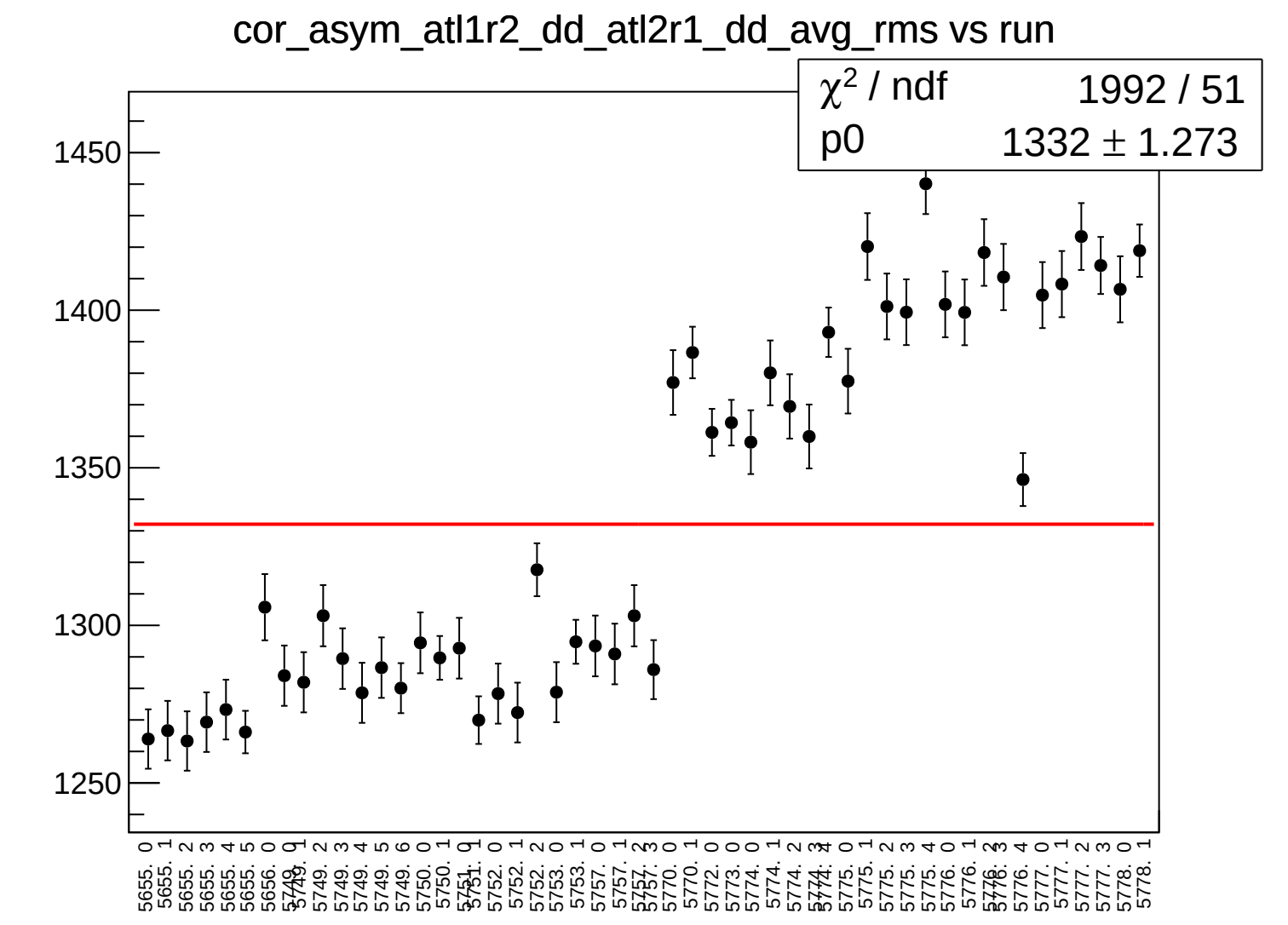

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs run
χ² / ndf 50.57 / 51
p0 −198 ± 511
pull
Entries 52
Mean −37.2
Std Dev 0

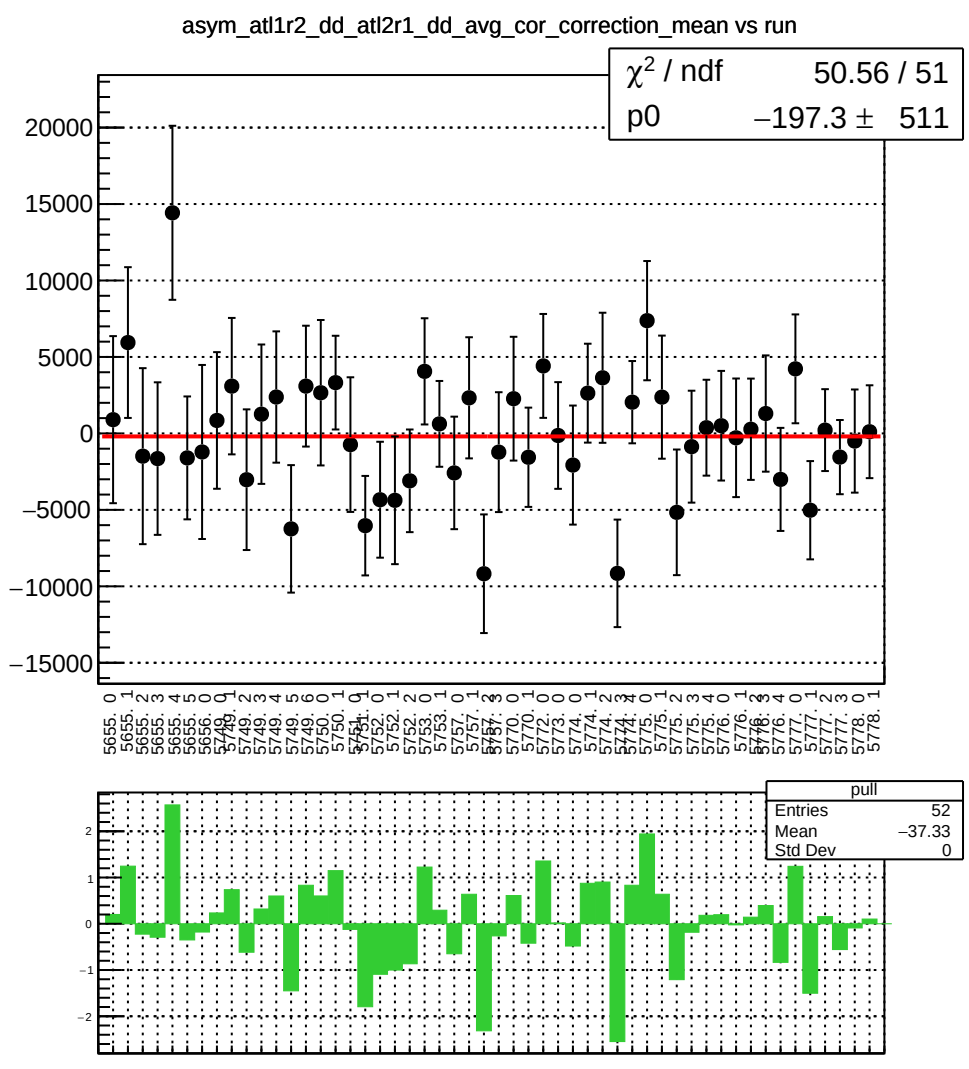

pull1D
Entries 52
Mean 0.02261
Std Dev 0.9859

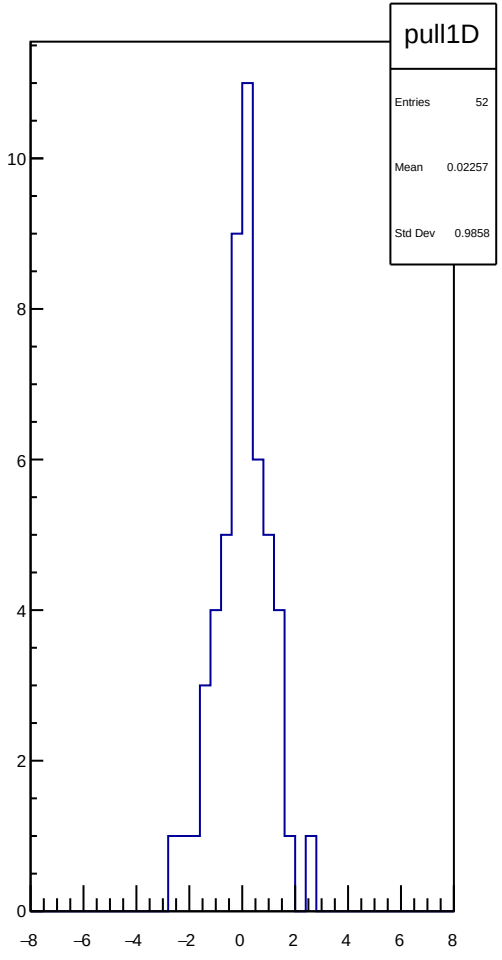

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs run
χ² / ndf 2.873e+04 / 51
p0 373.3 ± 0.3613
550
500
450
400
350
300
250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

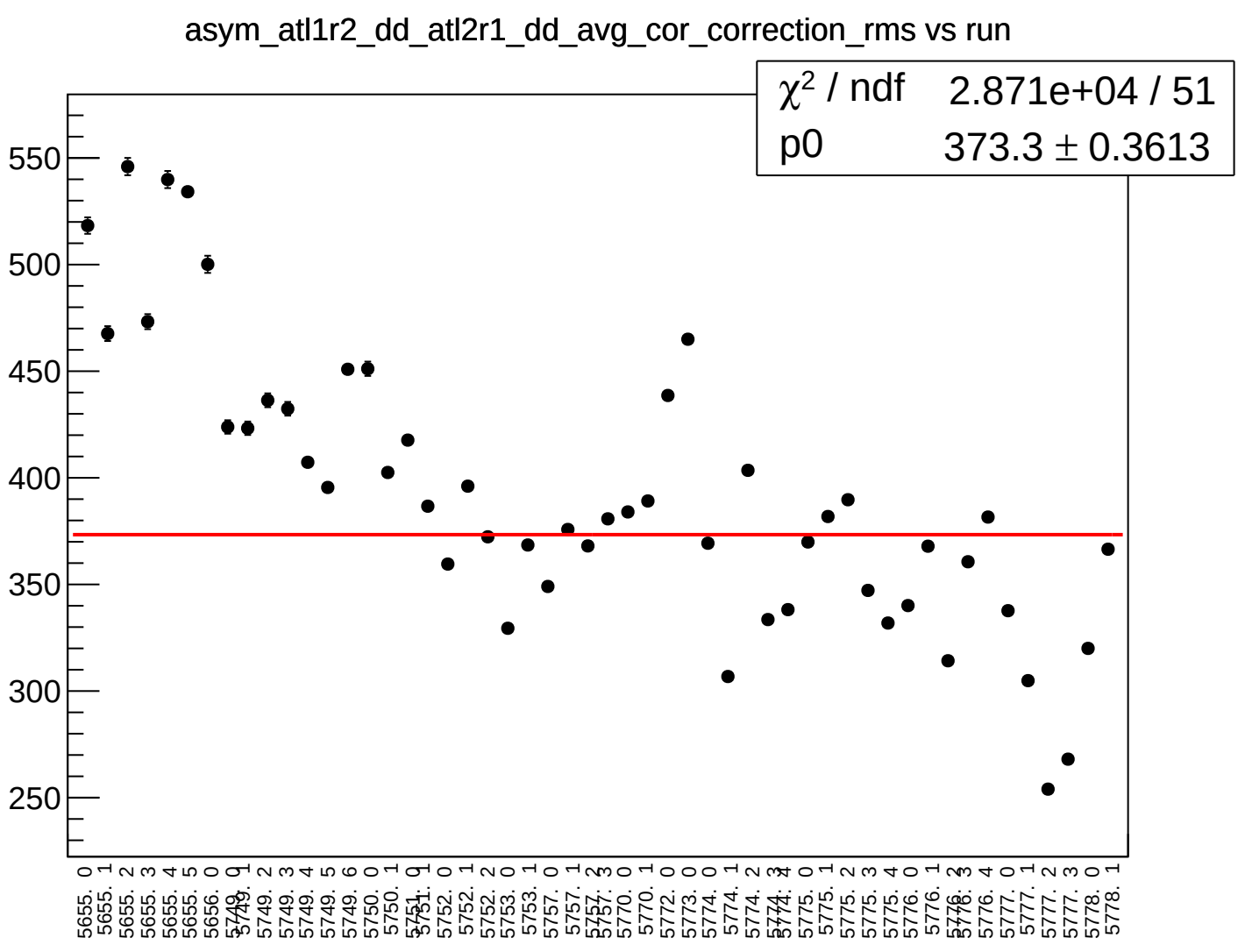

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 40.67 / 51
p0 263.1 ± 1801
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 54.36
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean 0.01238
Std Dev 0.8843
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ^2 / ndf 1992 / 51
p0 1332 ± 1.273
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs run
χ² / ndf 50.56 / 51
p0 −197.3 ± 511
pull
Entries 52
Mean −37.33
Std Dev 0


pull1D
Entries 52
Mean 0.02257
Std Dev 0.9858


asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs run
χ² / ndf 2.871e+04 / 51
p0 373.3 ± 0.3613
550
500
450
400
350
300
250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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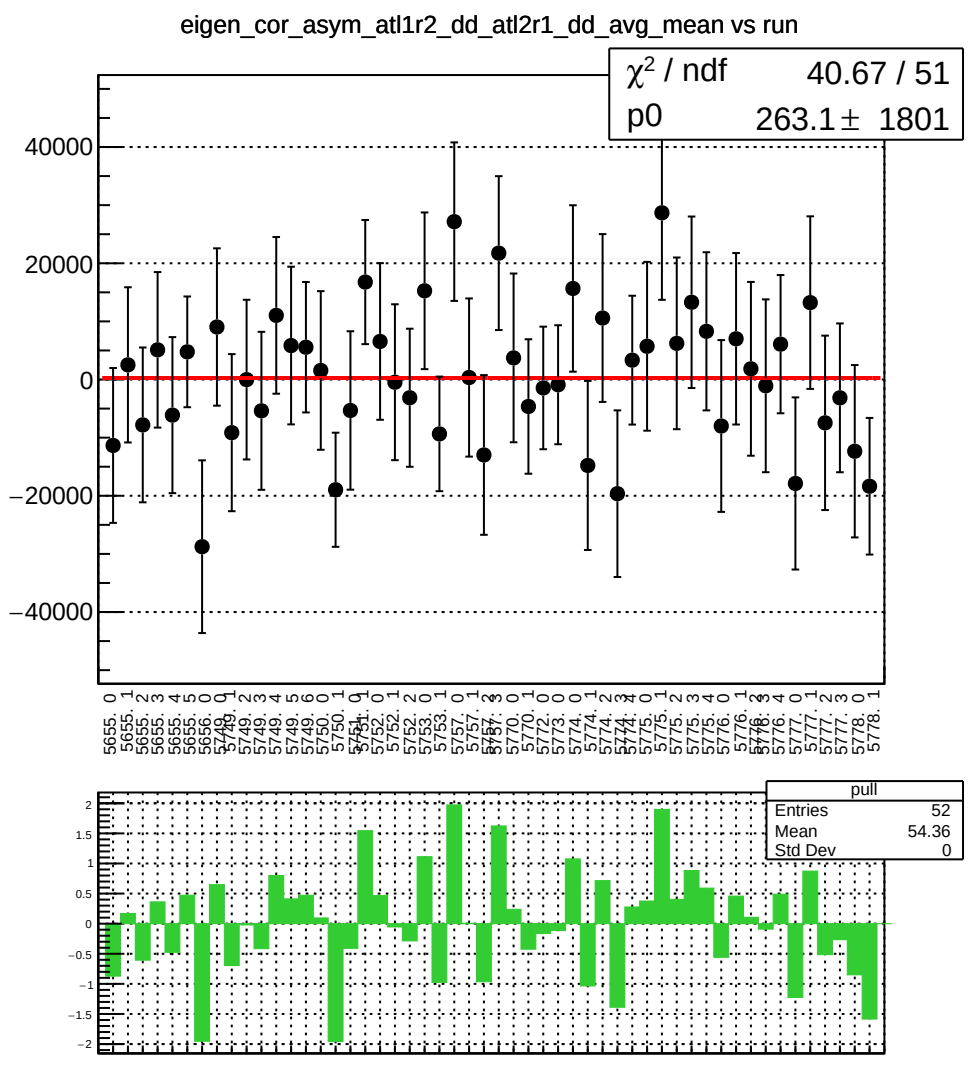
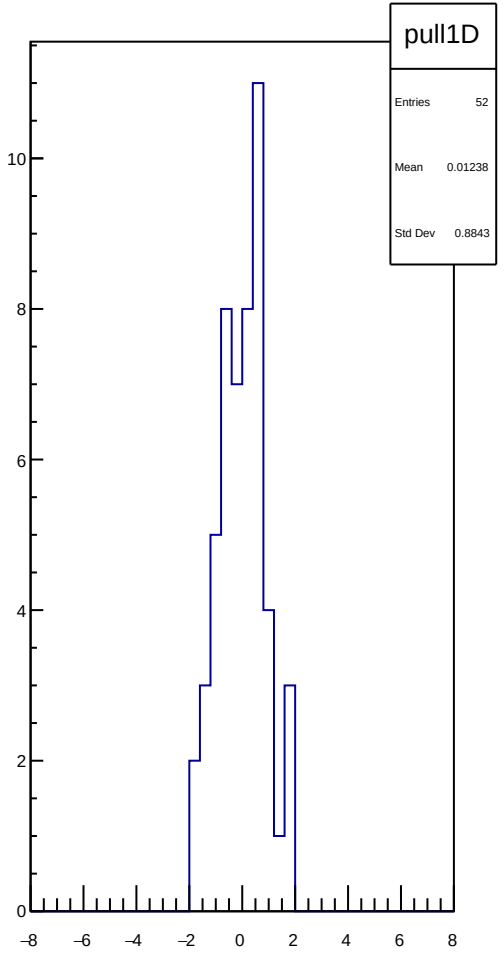
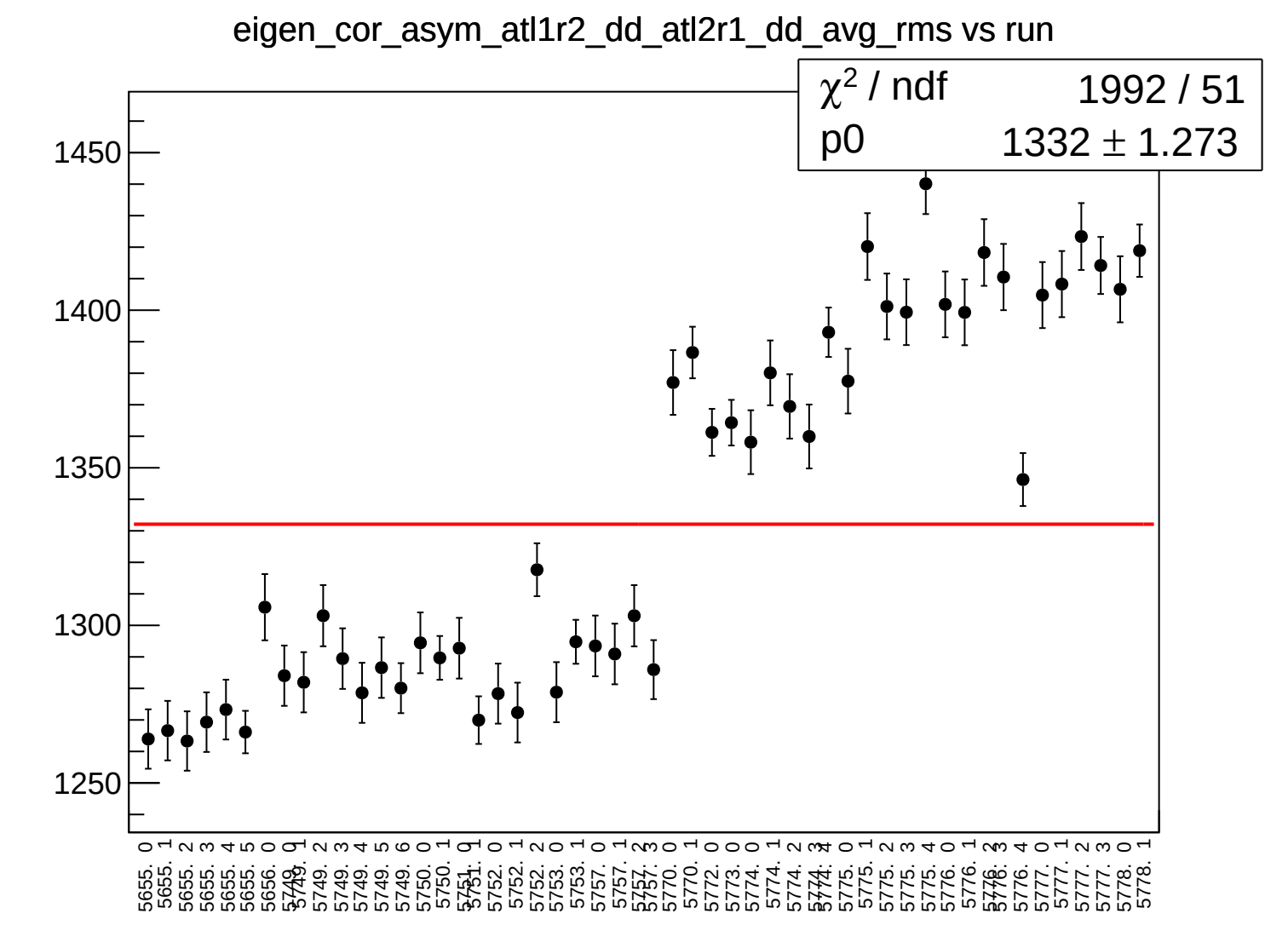
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 40.67 / 51
p0 263.1 ± 1801
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 54.36
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean 0.01238
Std Dev 0.8843
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 1992 / 51
p0 1332 ± 1.273
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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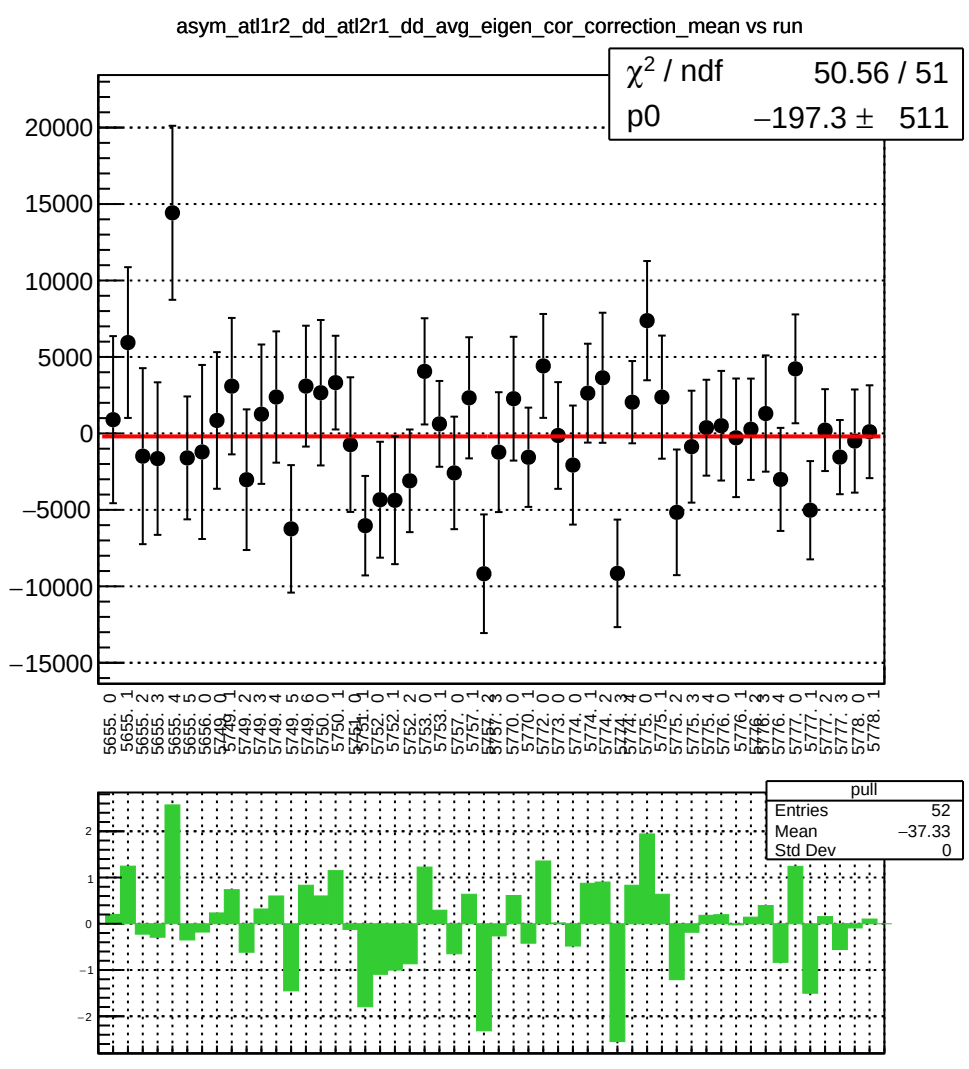
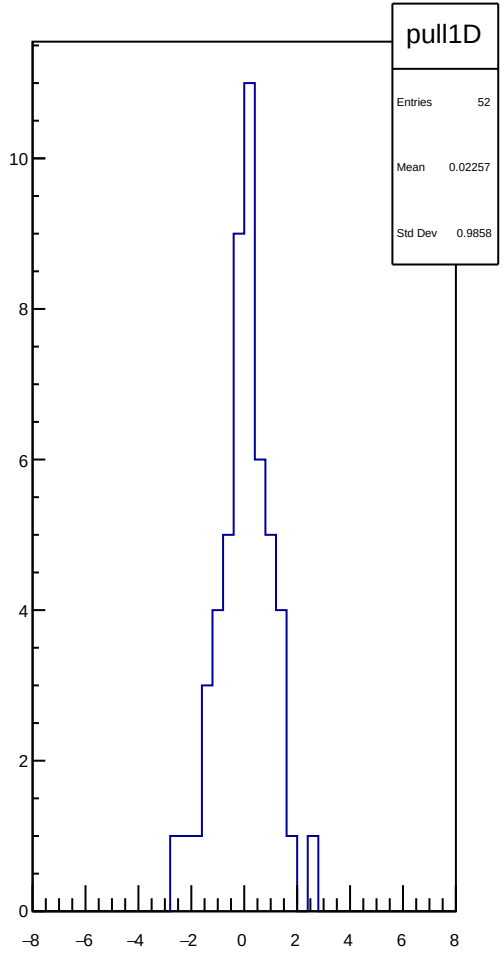
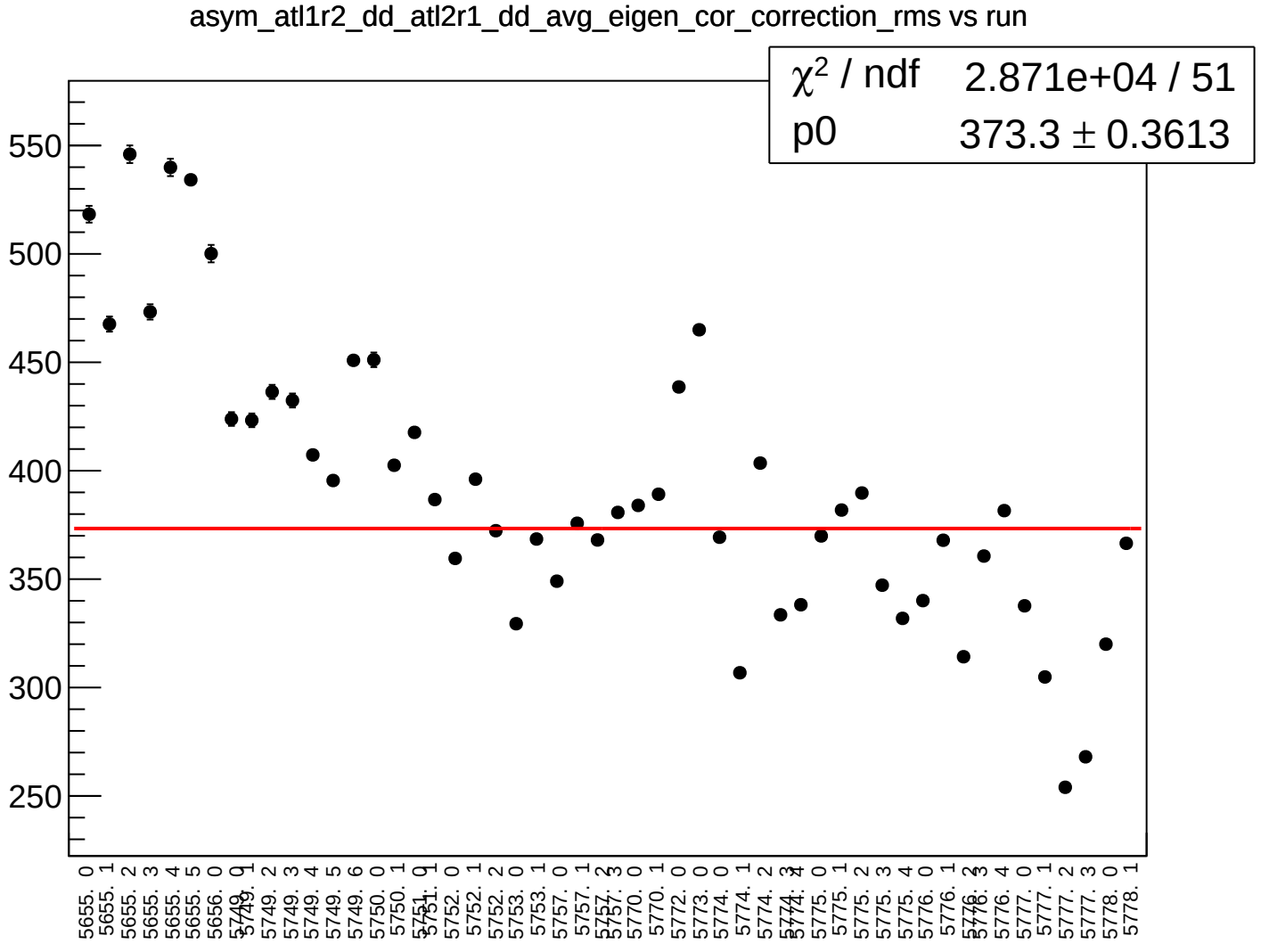
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 50.56 / 51
p0 −197.3 ± 511
pull
Entries 52
Mean −37.33
Std Dev 0


pull1D
Entries 52
Mean 0.02257
Std Dev 0.9858


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.871e+04 / 51
p0 373.3 ± 0.3613
550
500
450
400
350
300
250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
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5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
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5777. 1
5777. 2
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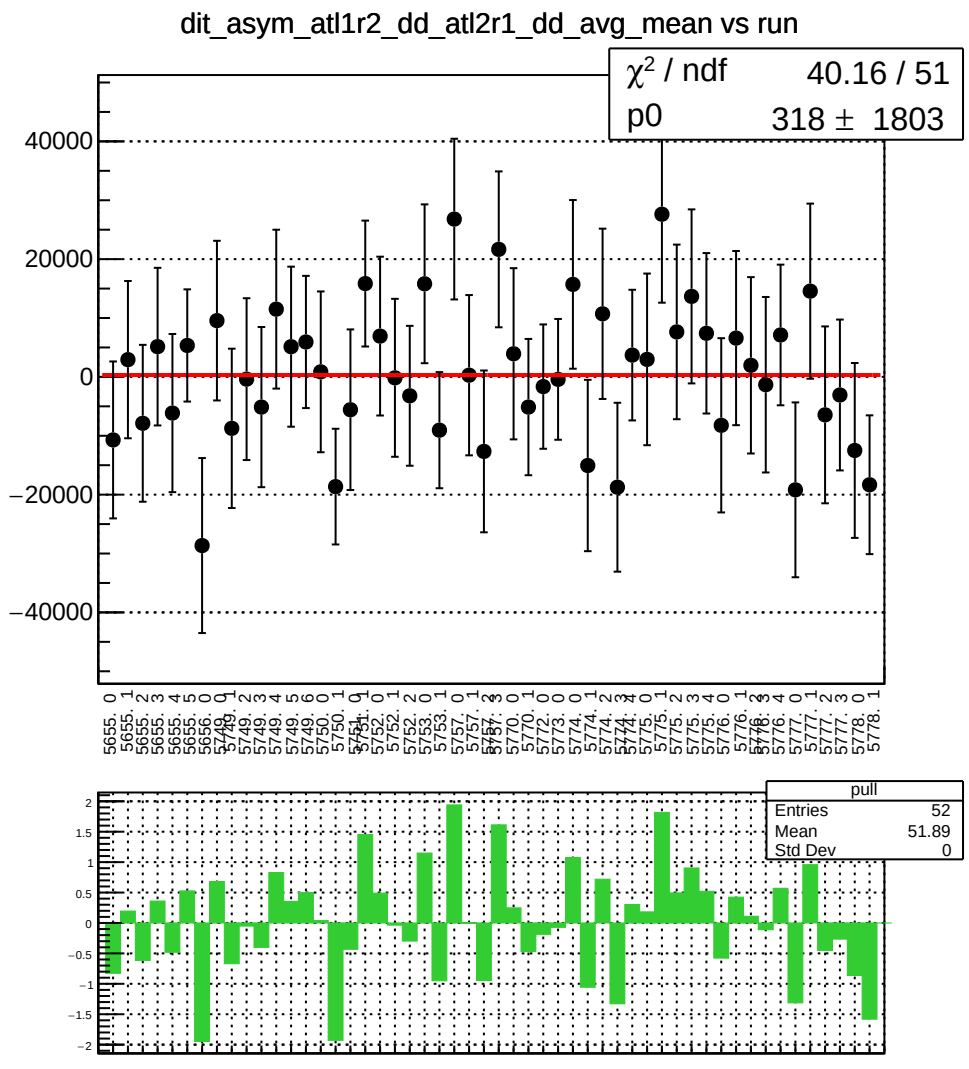
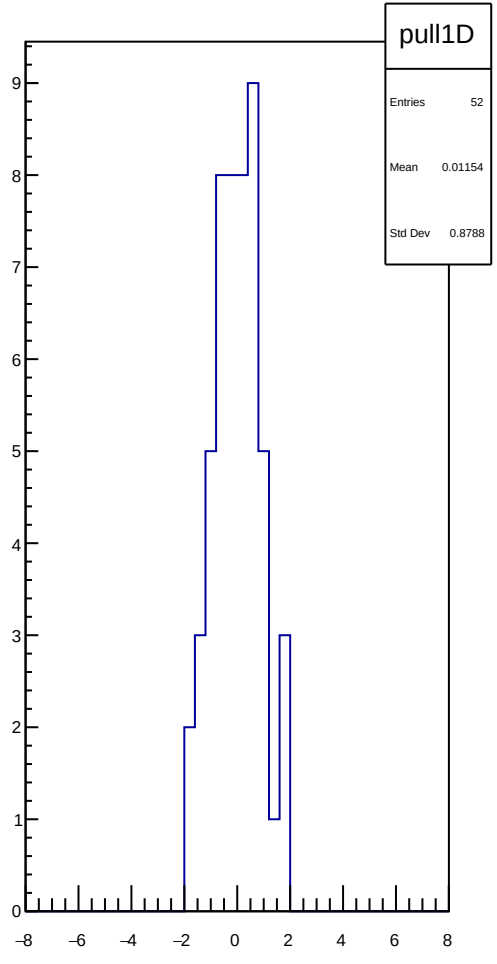
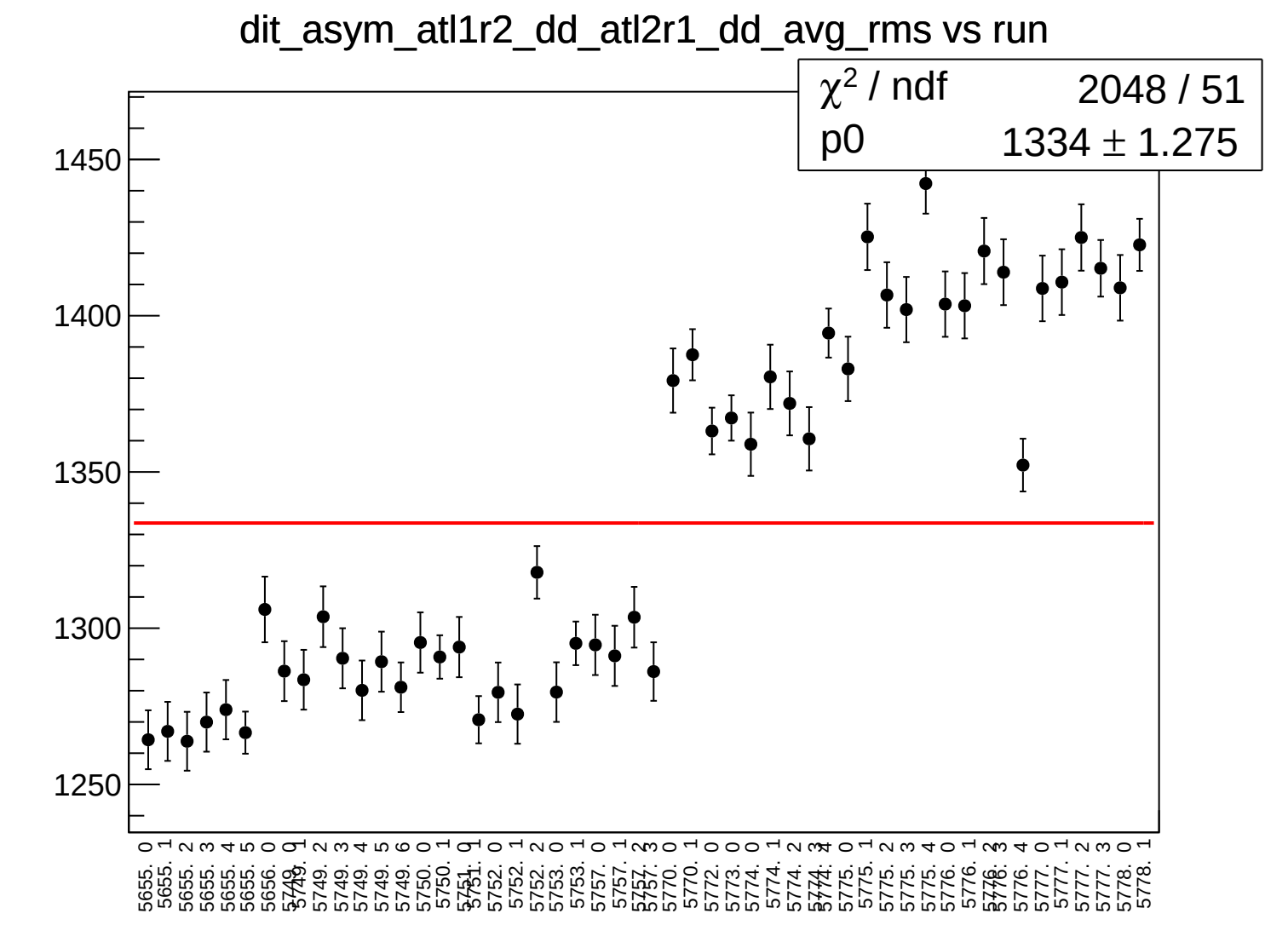
5778. 0
5778. 1


dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 40.16 / 51
p0 318 ± 1803
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 51.89
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean 0.01154
Std Dev 0.8788
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 2048 / 51
p0 1334 ± 1.275
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
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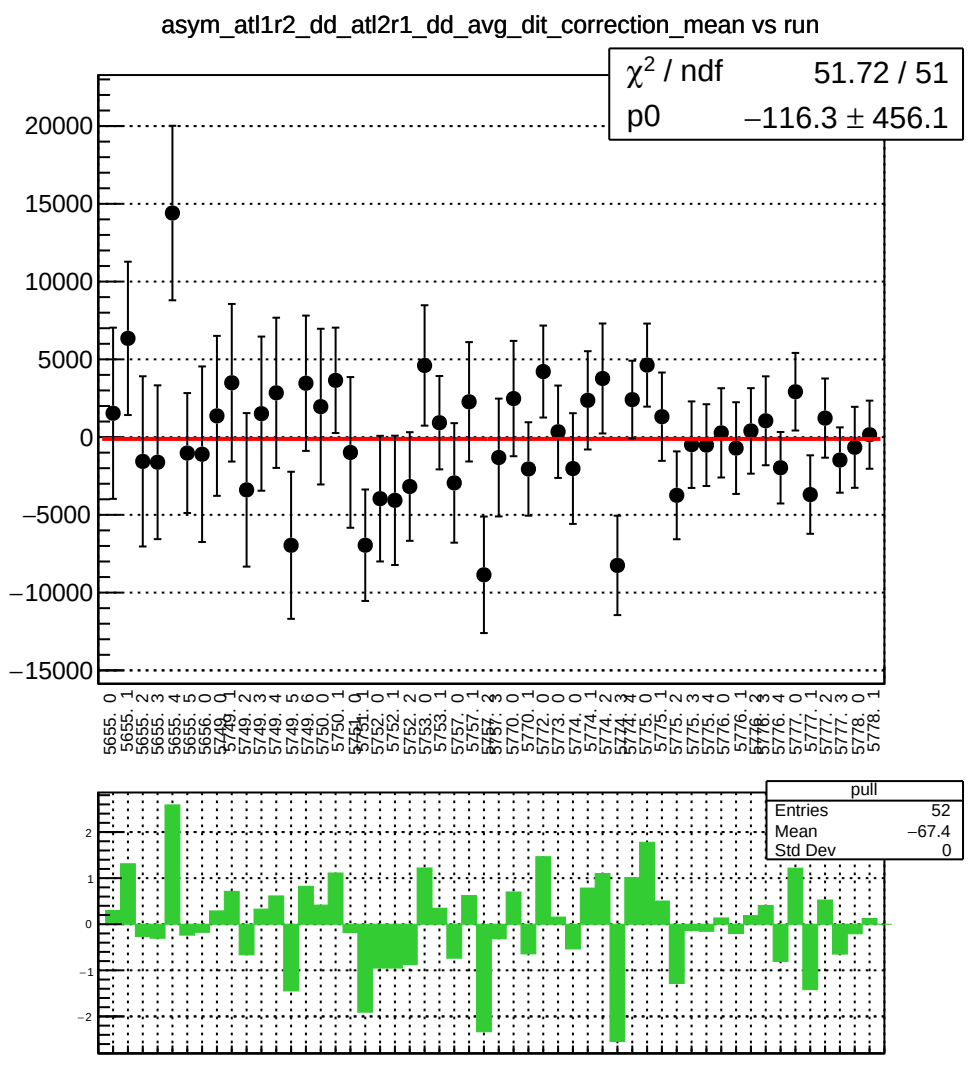
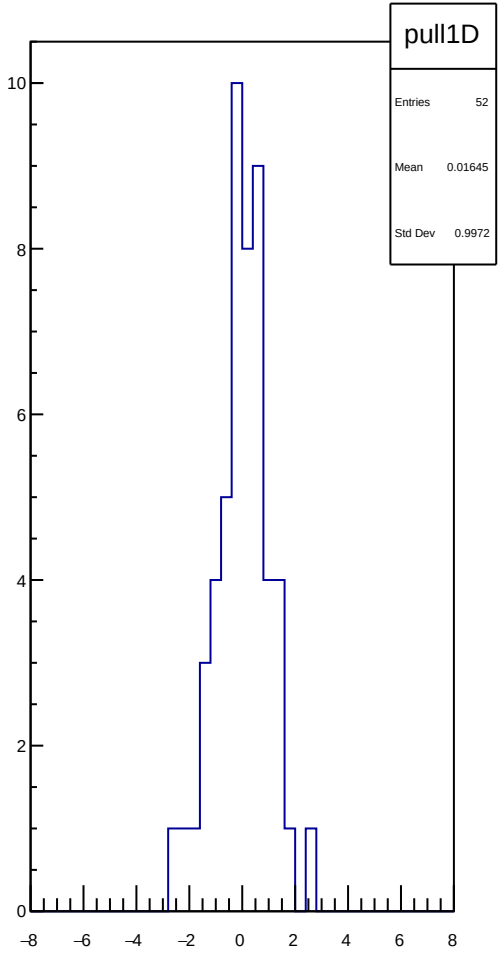
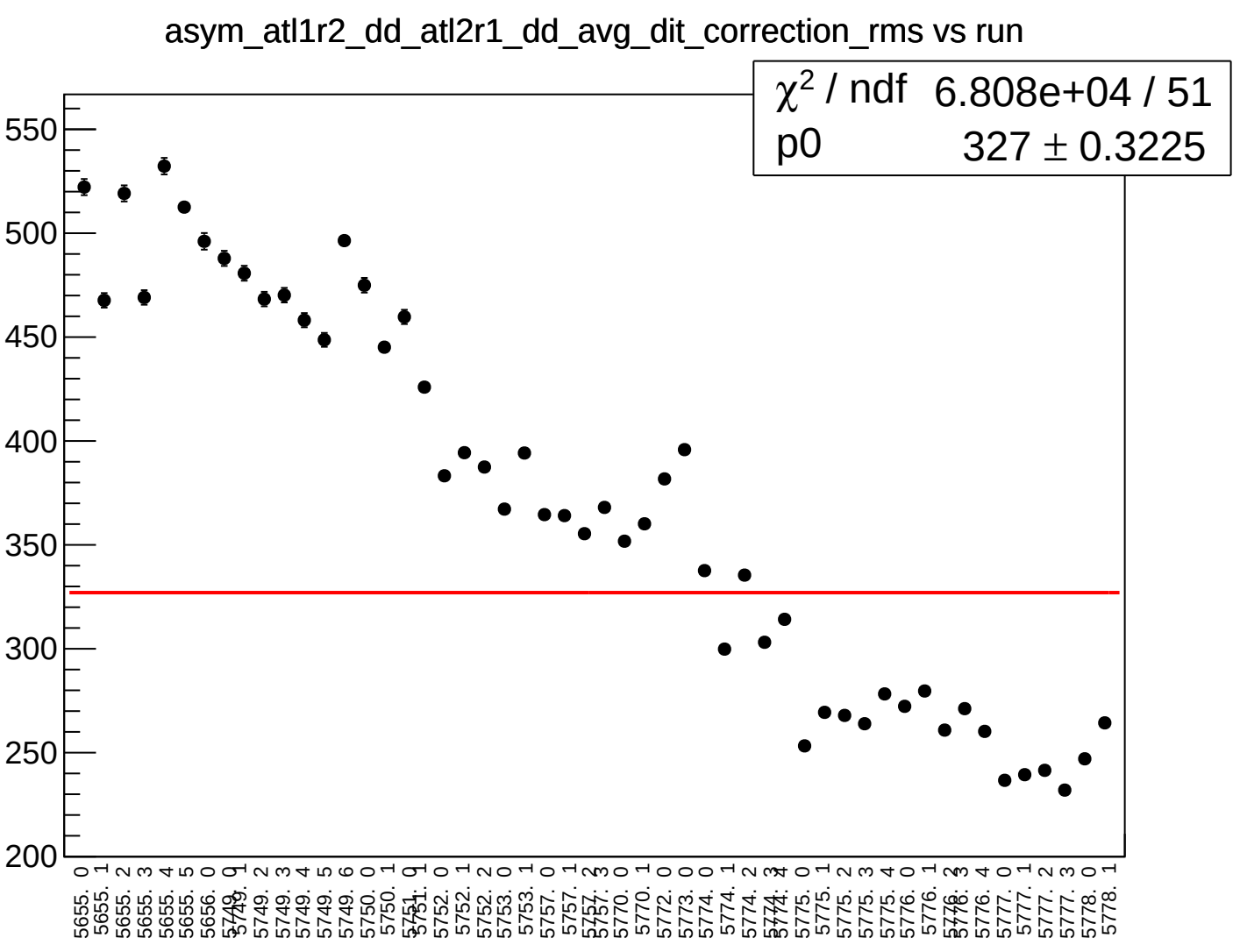
5778. 0
5778. 1


asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs run
χ² / ndf 51.72 / 51
p0 −116.3 ± 456.1
pull
Entries 52
Mean −67.4
Std Dev 0


pull1D
Entries 52
Mean 0.01645
Std Dev 0.9972


asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs run
χ² / ndf 6.808e+04 / 51
p0 327 ± 0.3225
550
500
450
400
350
300
250
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
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5749. 4
5749. 5
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5777. 0
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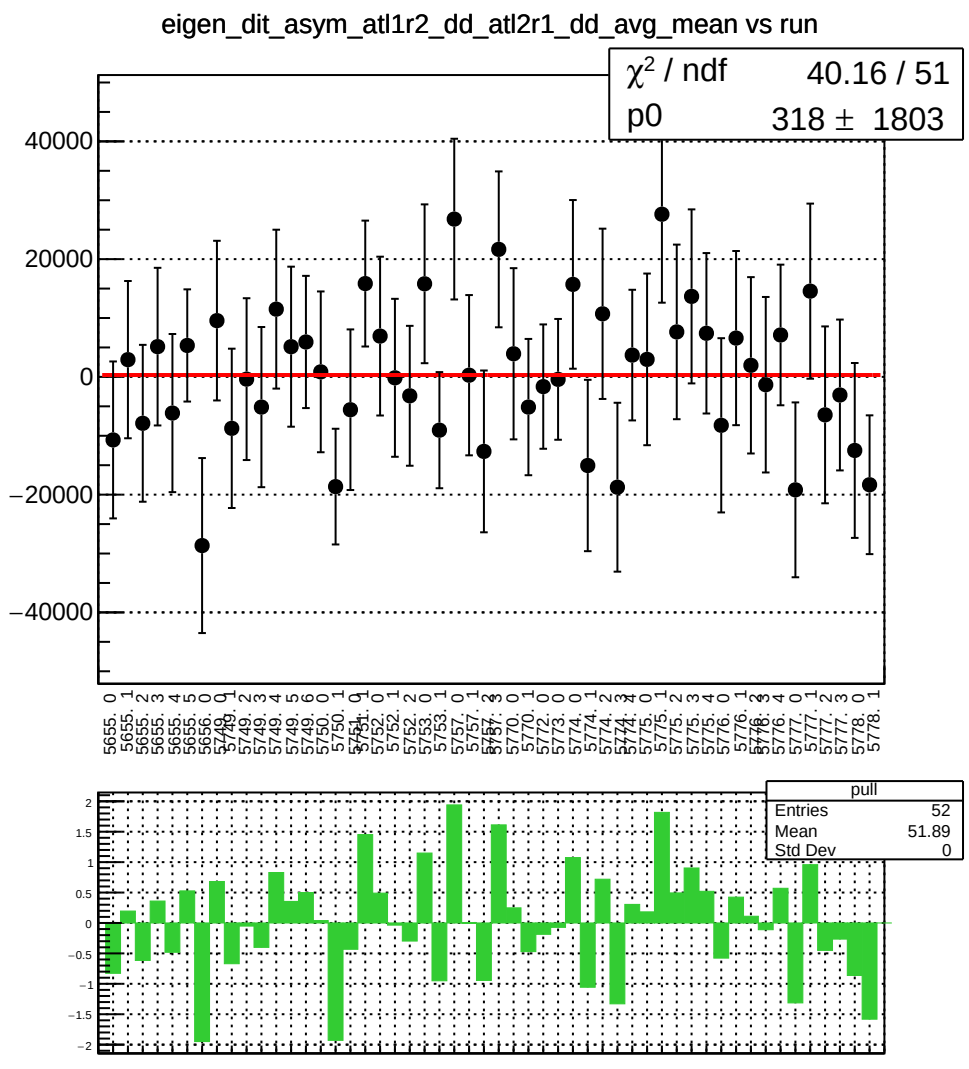
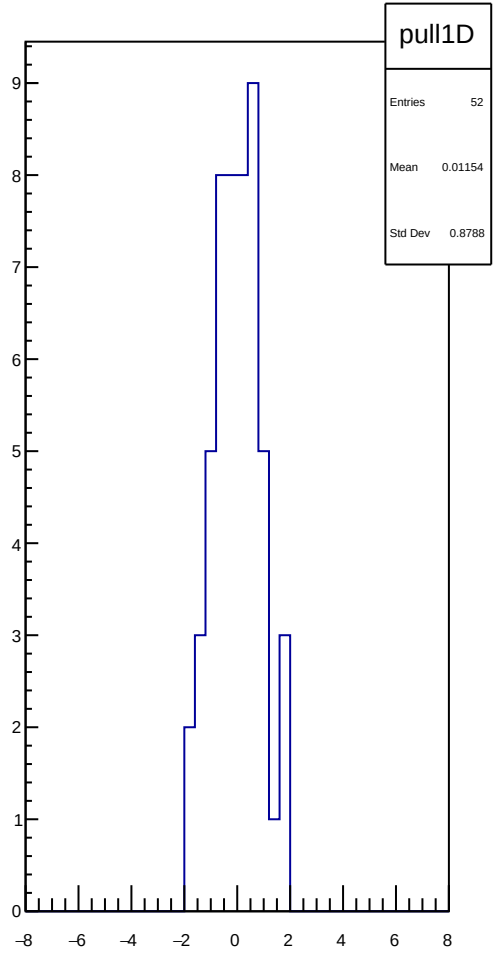
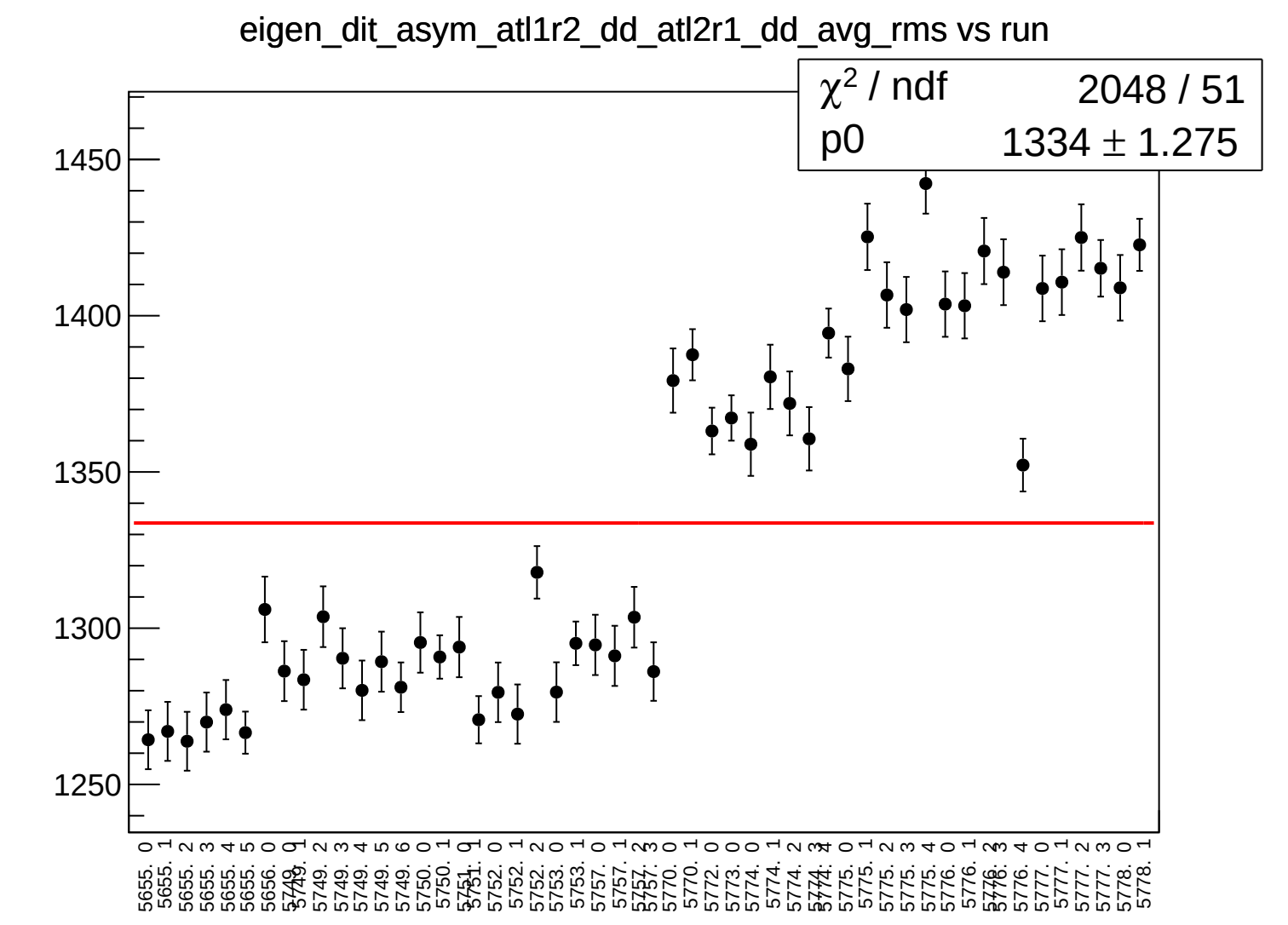
5777. 2
5777. 3
5778. 0
5778. 1


eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 40.16 / 51
p0 318 ± 1803
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 51.89
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean 0.01154
Std Dev 0.8788
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 2048 / 51
p0 1334 ± 1.275
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5776. 2
5776. 3
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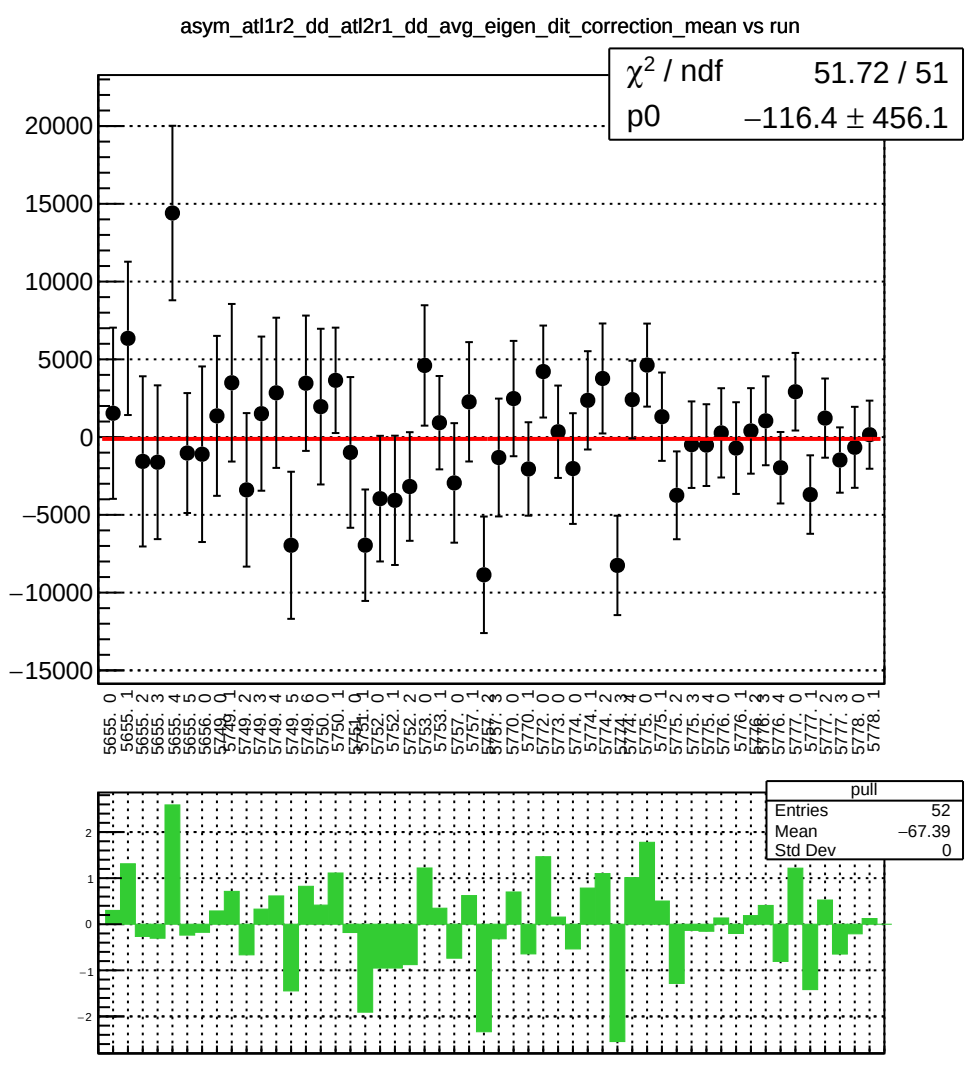
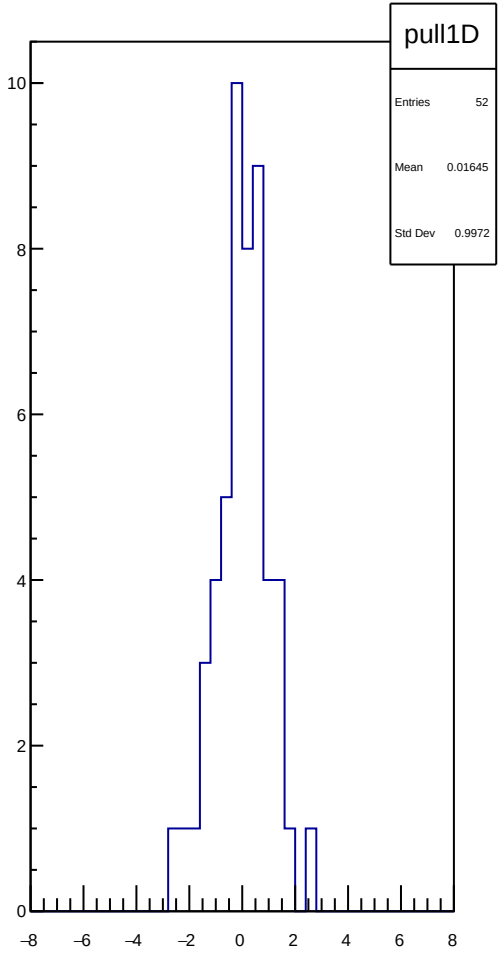
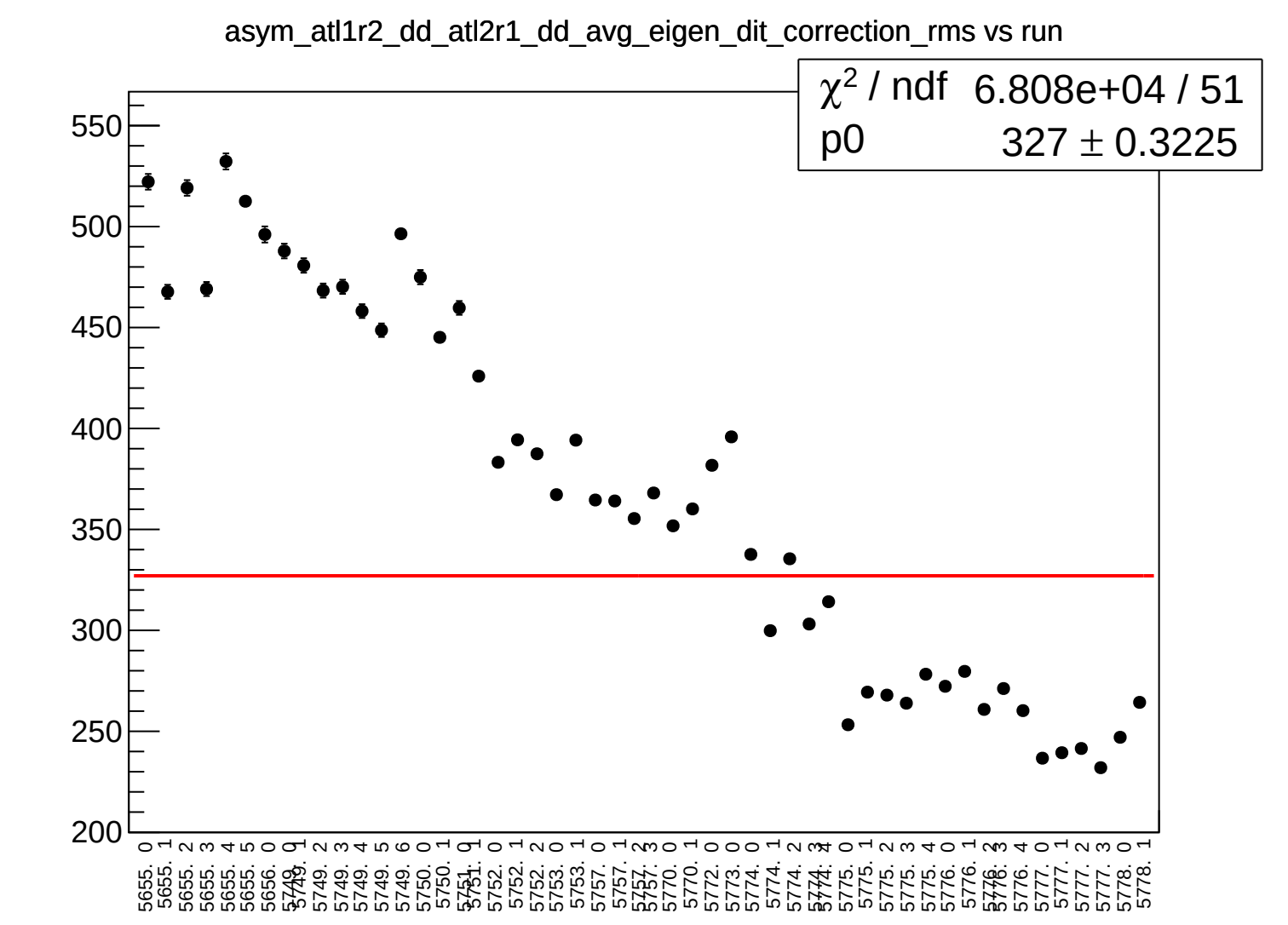
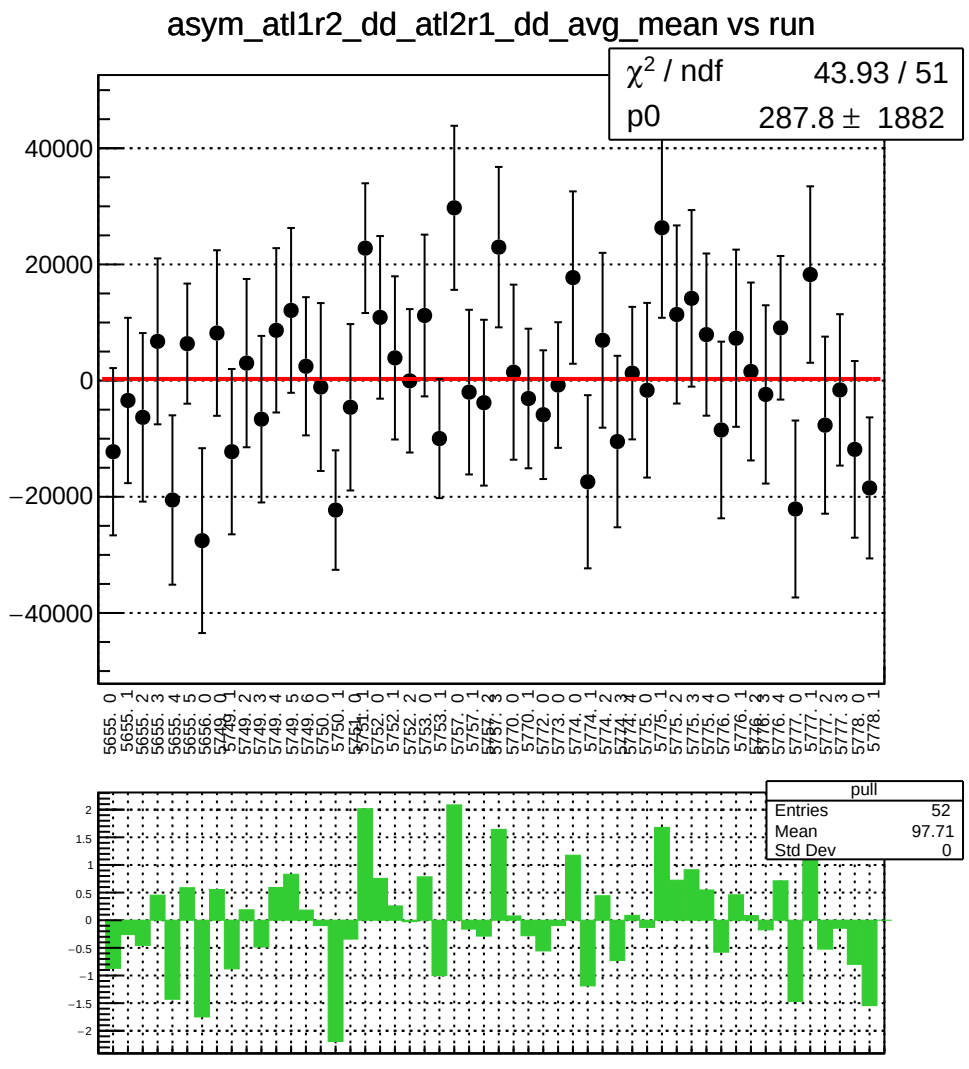
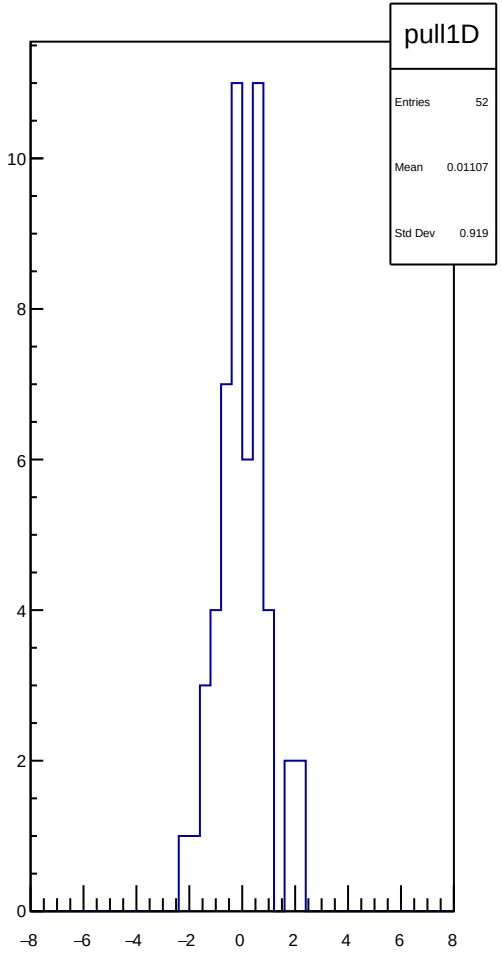
5777. 2
5777. 3
5778. 0
5778. 1

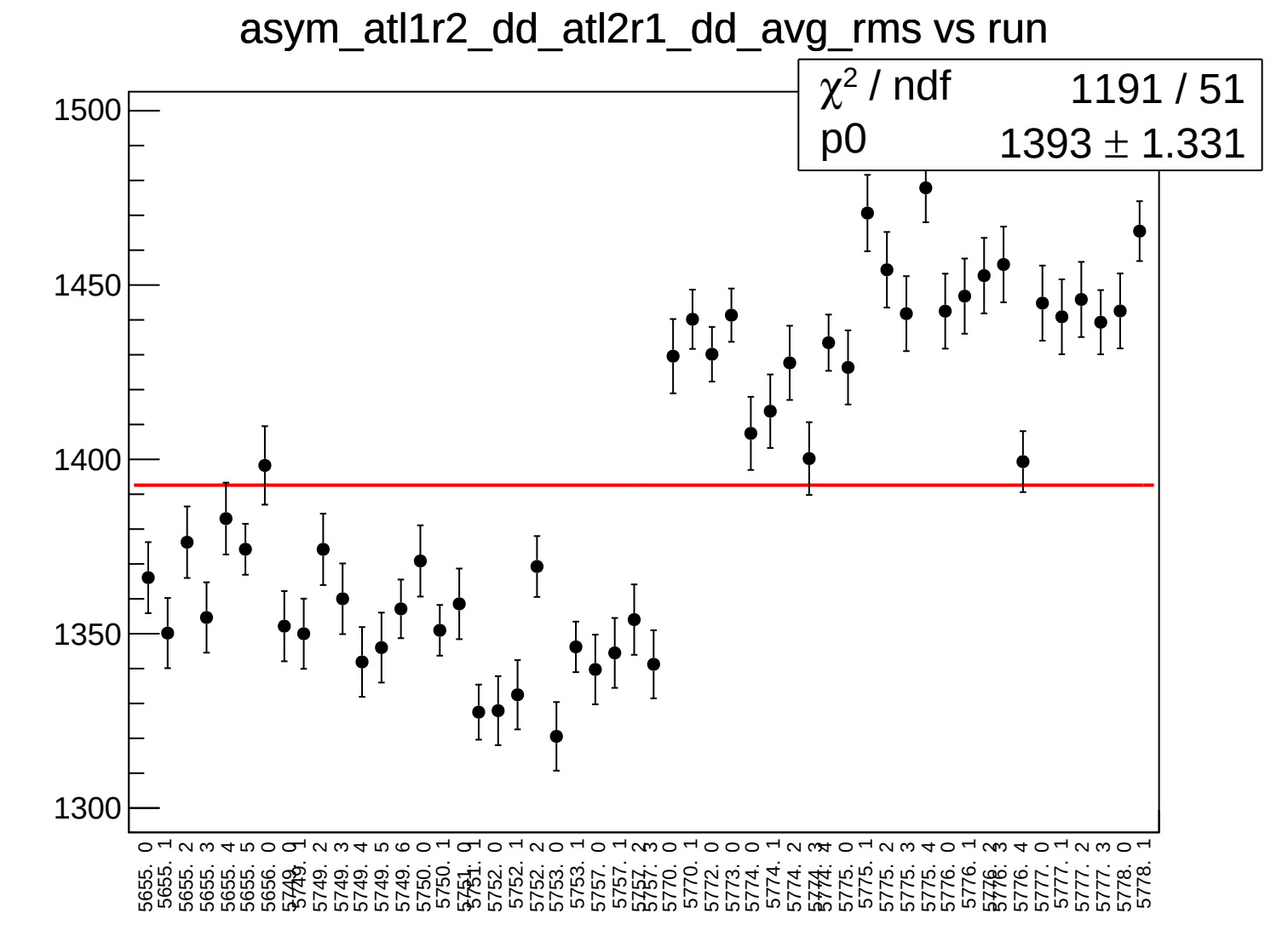

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 51.72 / 51
p0 −116.4 ± 456.1
pull
Entries 52
Mean −67.39
Std Dev 0

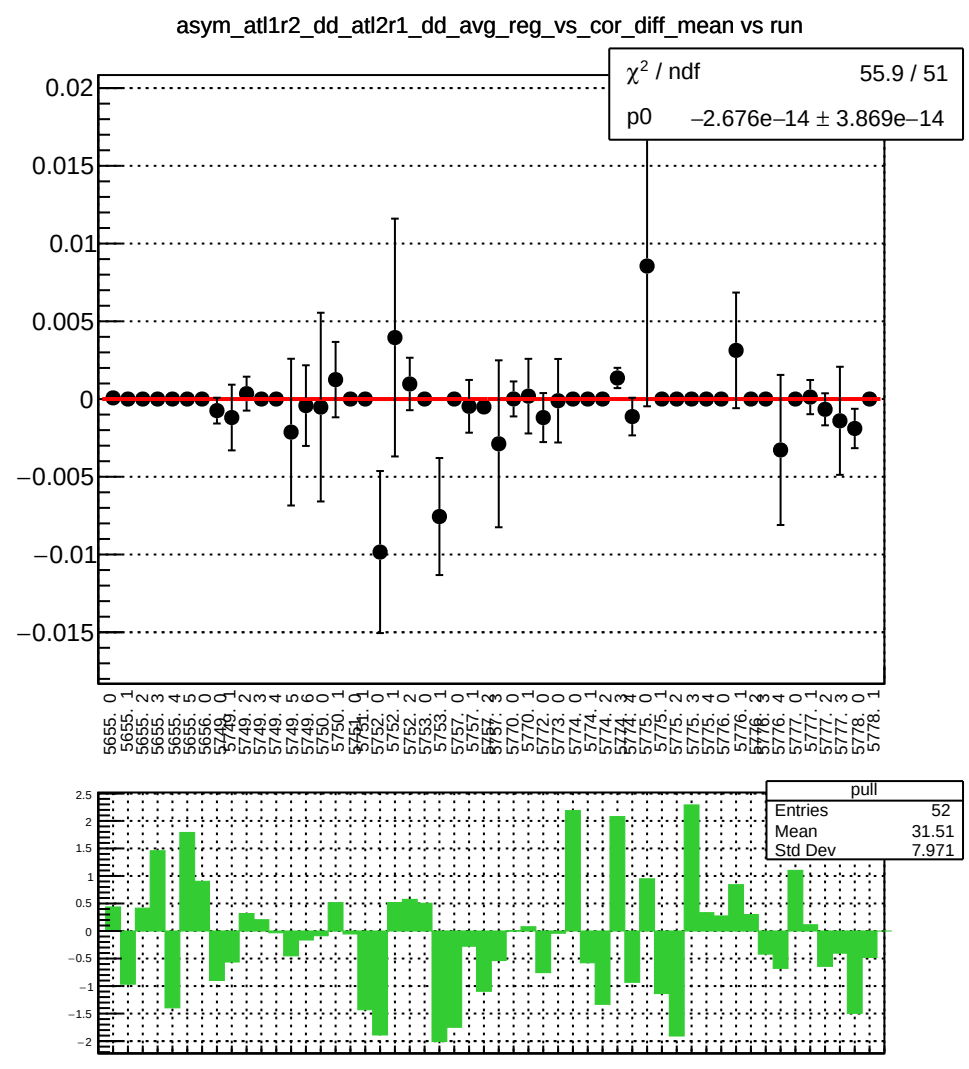

pull1D
Entries 52
Mean 0.01645
Std Dev 0.9972

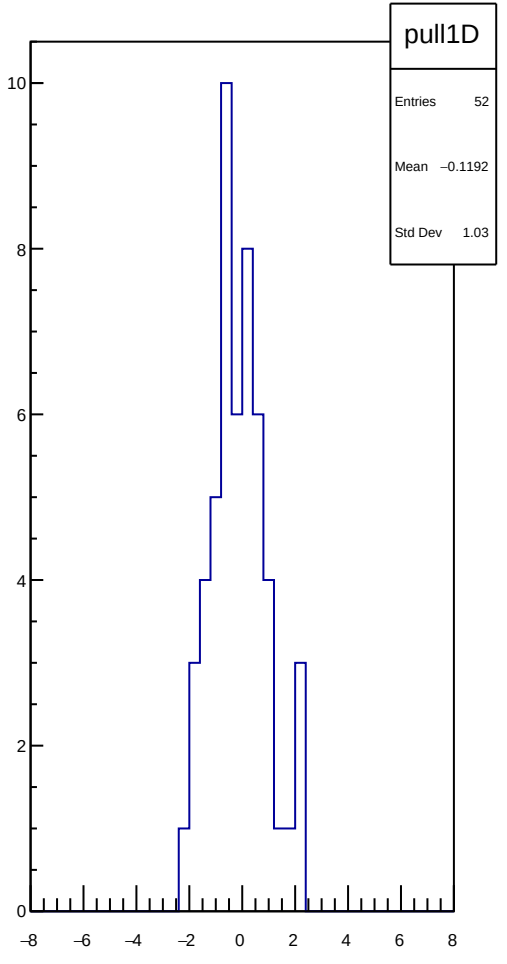

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 6.808e+04 / 51
p0 327 ± 0.3225
550
500
450
400
350
300
250
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

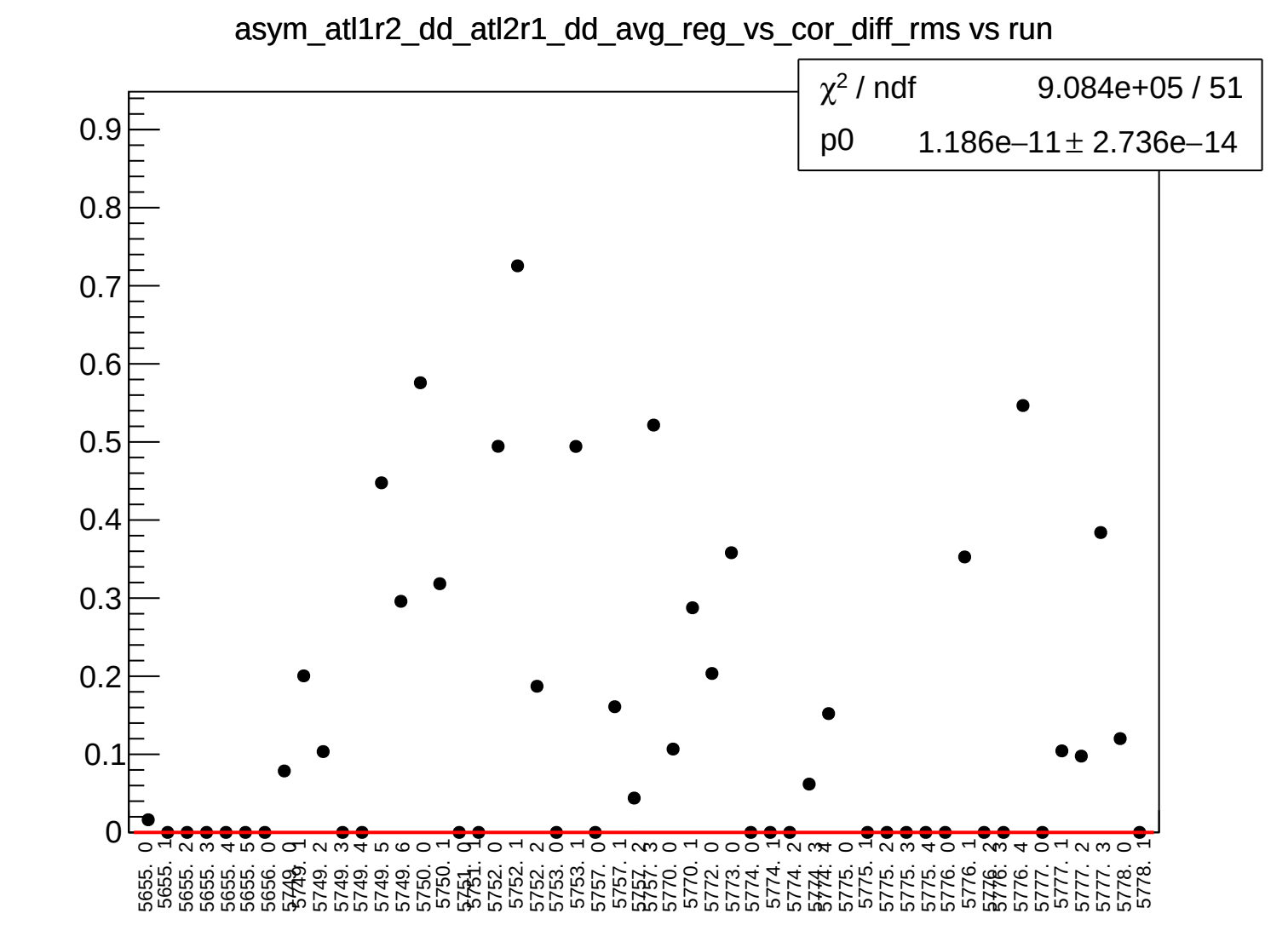

asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 43.93 / 51
p0 287.8 ± 1882
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 97.71
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

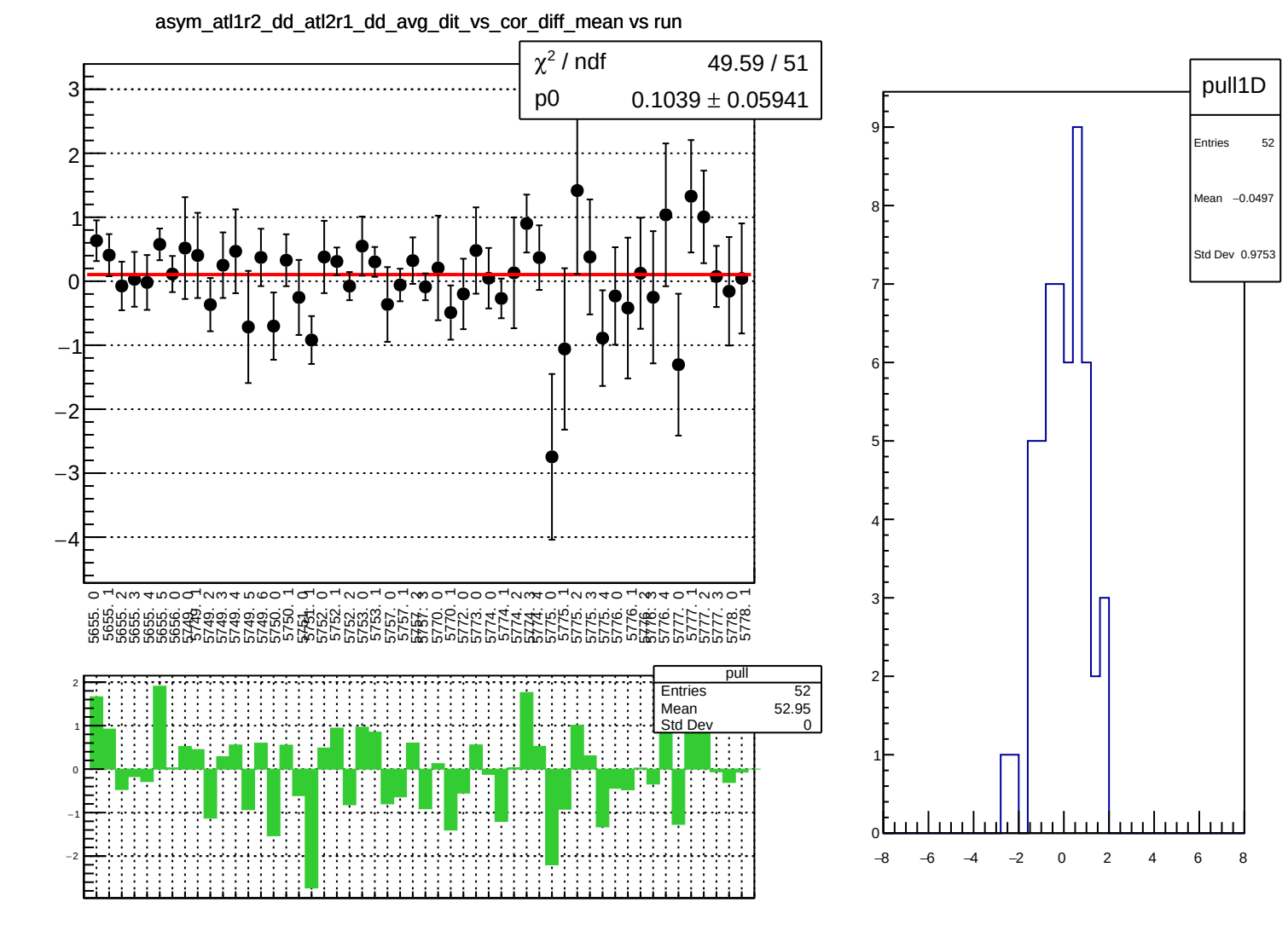

pull1D
Entries 52
Mean 0.01107
Std Dev 0.919
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

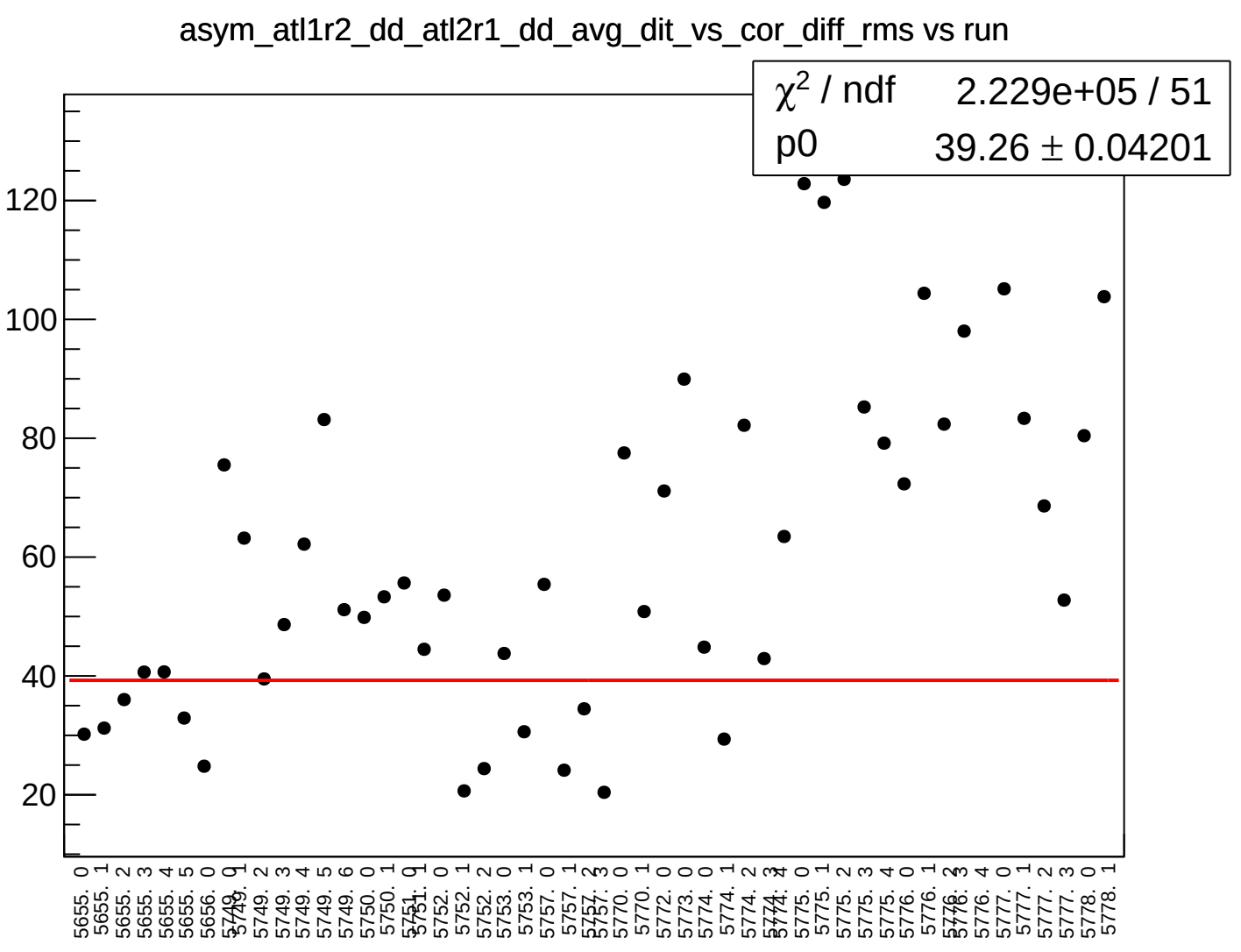

asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 1191 / 51
p0 1393 ± 1.331
1500
1450
1400
1350
1300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

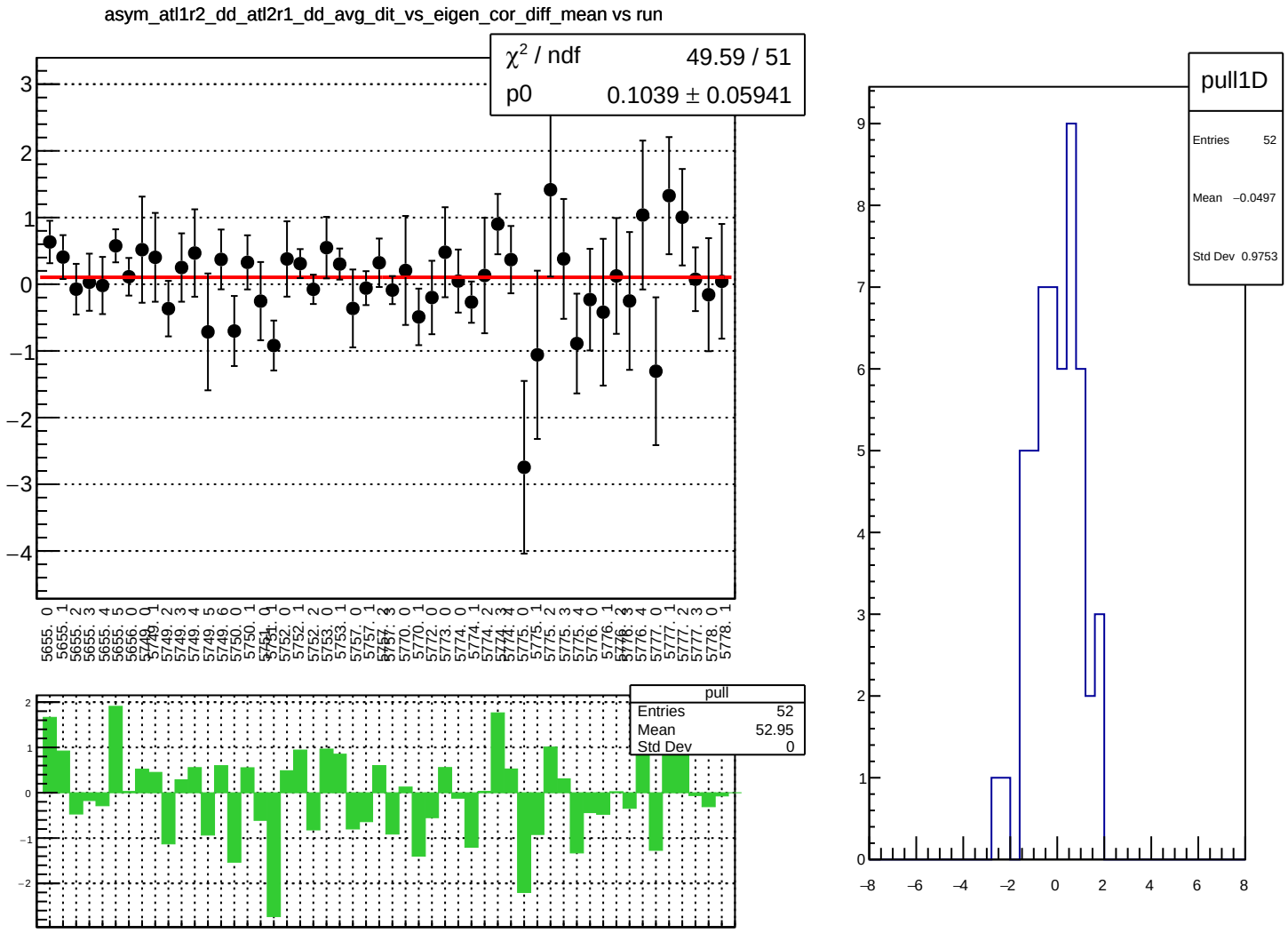

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 55.9 / 51
p0 −2.676e−14 ± 3.869e−14
pull
Entries 52
Mean 31.51
Std Dev 7.971

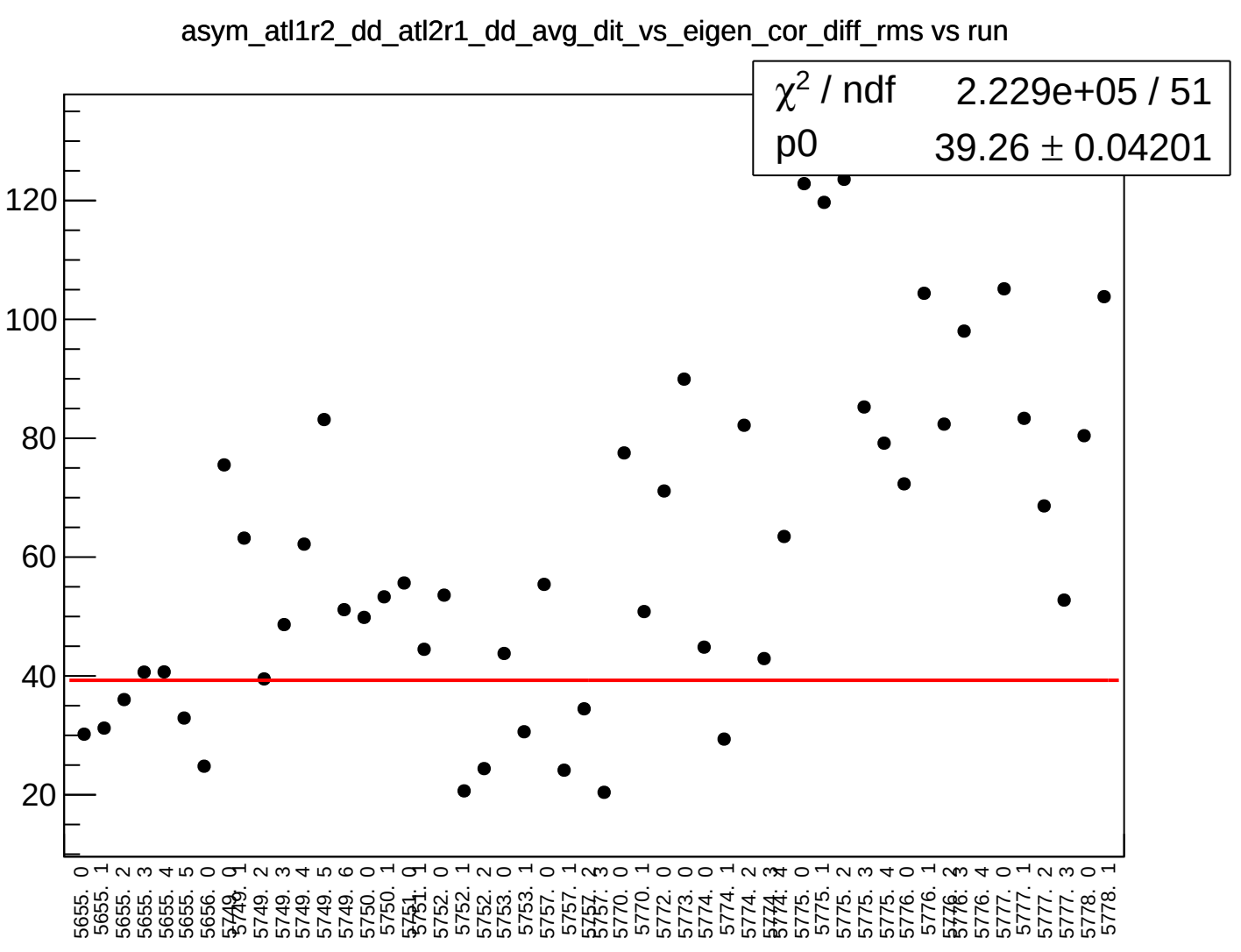

pull1D
Entries 52
Mean −0.1192
Std Dev 1.03

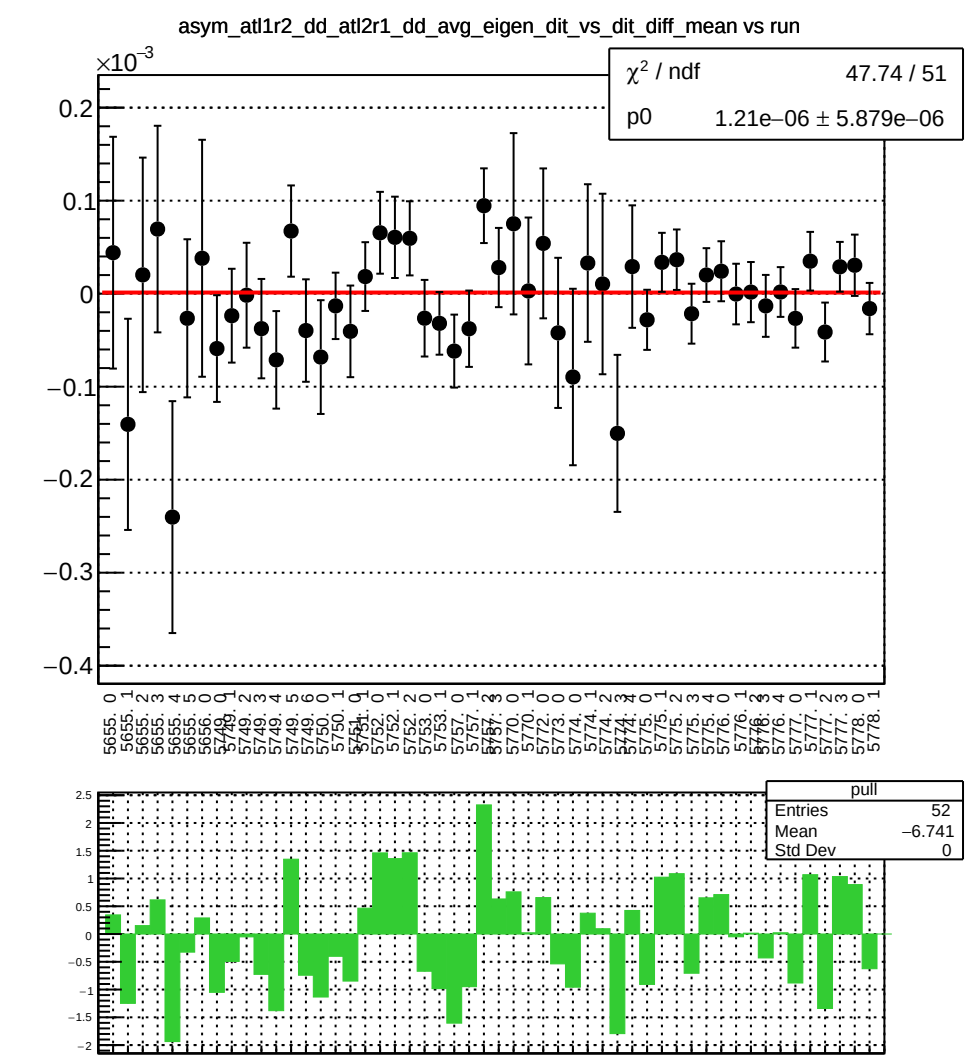

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs run
χ^2 / ndf 9.084e+05 / 51
p0 1.186e−11 ± 2.736e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

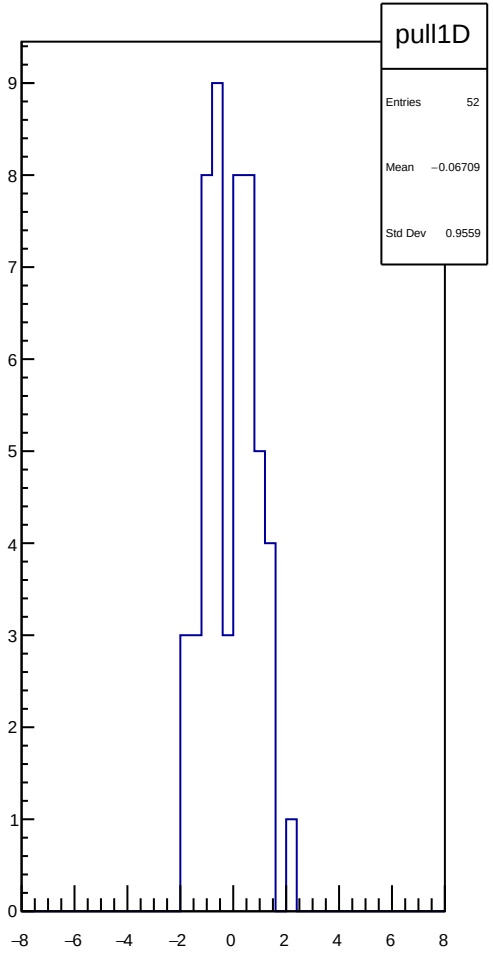

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 49.59 / 51
p0 0.1039 ± 0.05941
pull
Entries 52
Mean 52.95
Std Dev 0
pull1D
Entries 52
Mean −0.0497
Std Dev 0.9753

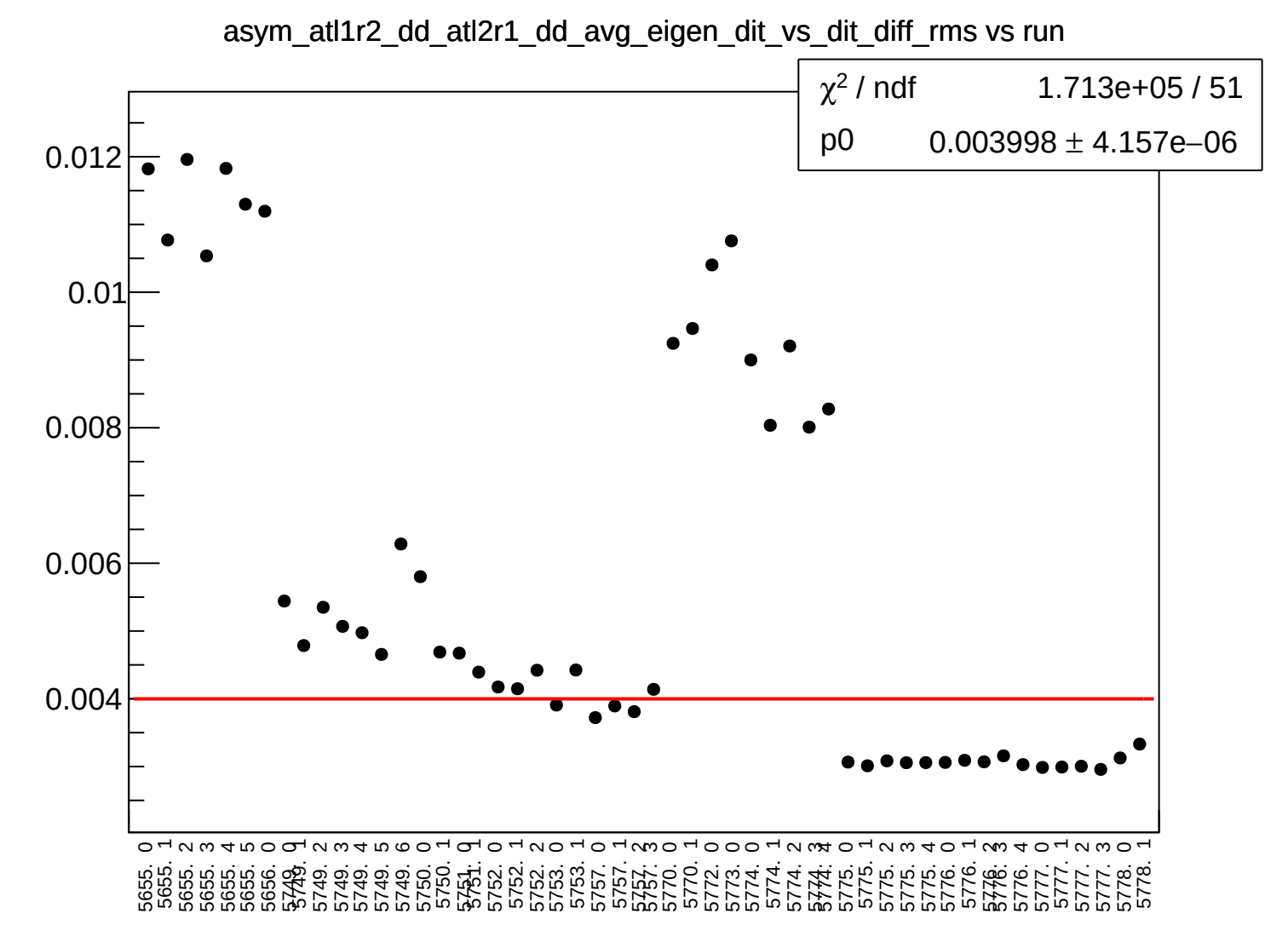

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.229e+05 / 51
p0 39.26 ± 0.04201
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.59 / 51
p0 0.1039 ± 0.05941
pull
Entries 52
Mean 52.95
Std Dev 0
pull1D
Entries 52
Mean −0.0497
Std Dev 0.9753


asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.229e+05 / 51
p0 39.26 ± 0.04201
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 47.74 / 51
p0 1.21e−06 ± 5.879e−06
pull
Entries 52
Mean −6.741
Std Dev 0


pull1D
Entries 52
Mean −0.06709
Std Dev 0.9559


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.713e+05 / 51
p0 0.003998 ± 4.157e−06
0.012
0.01
0.008
0.006
0.004
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5772. 0
5773. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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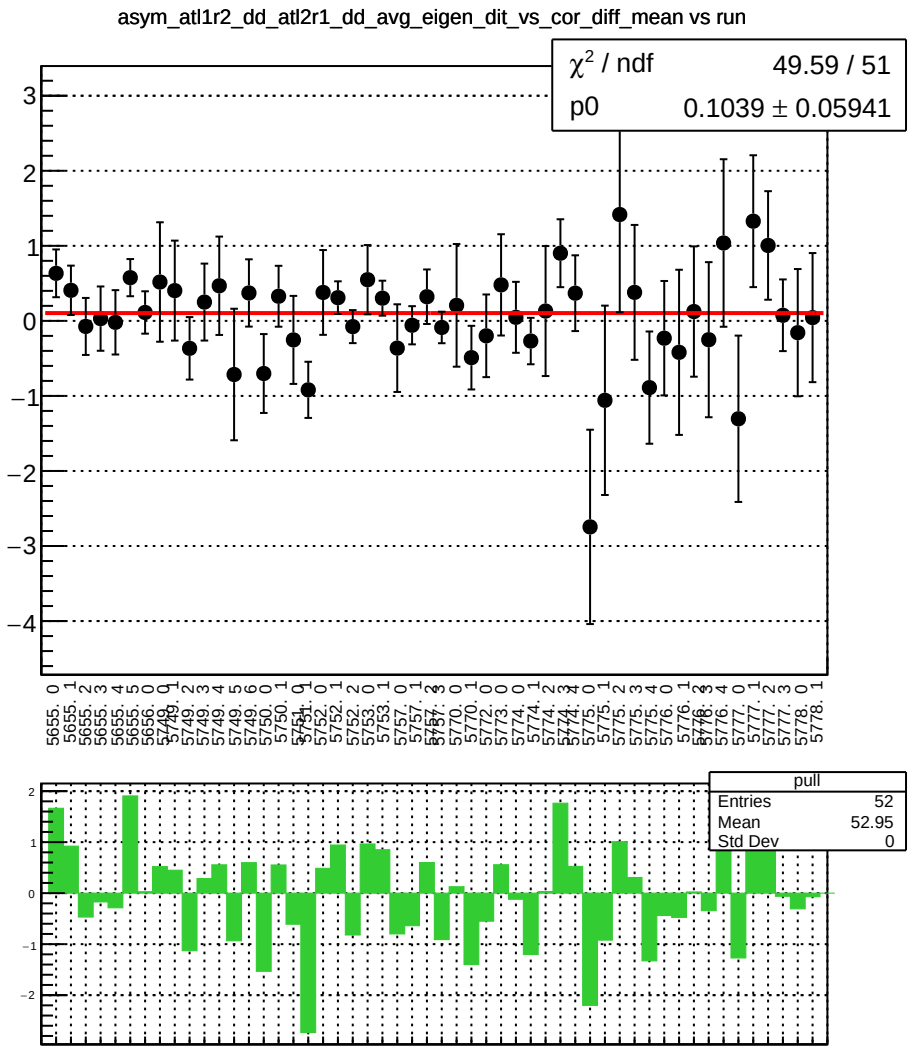
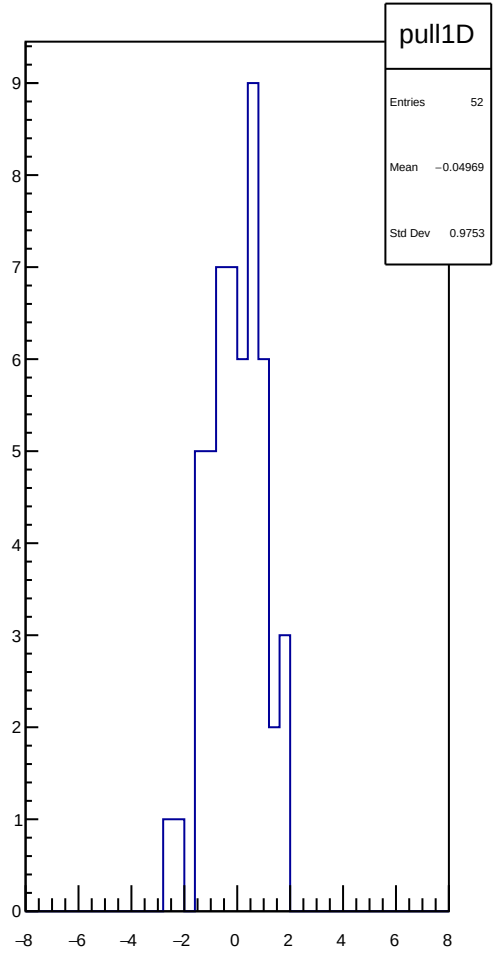
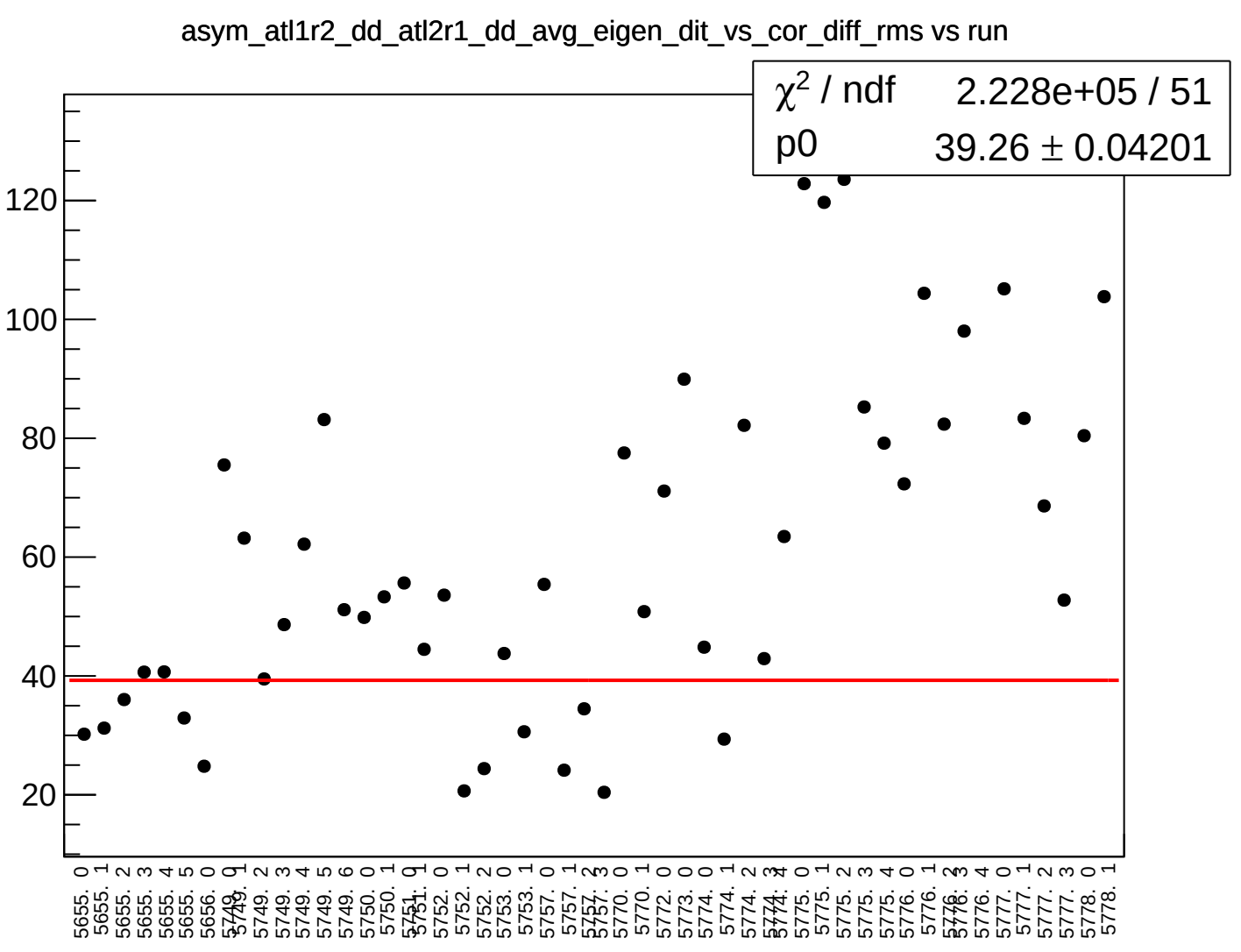
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.59 / 51
p0 0.1039 ± 0.05941
pull
Entries 52
Mean 52.95
Std Dev 0


pull1D
Entries 52
Mean −0.04969
Std Dev 0.9753


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.228e+05 / 51
p0 39.26 ± 0.04201
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
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5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
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5775. 3
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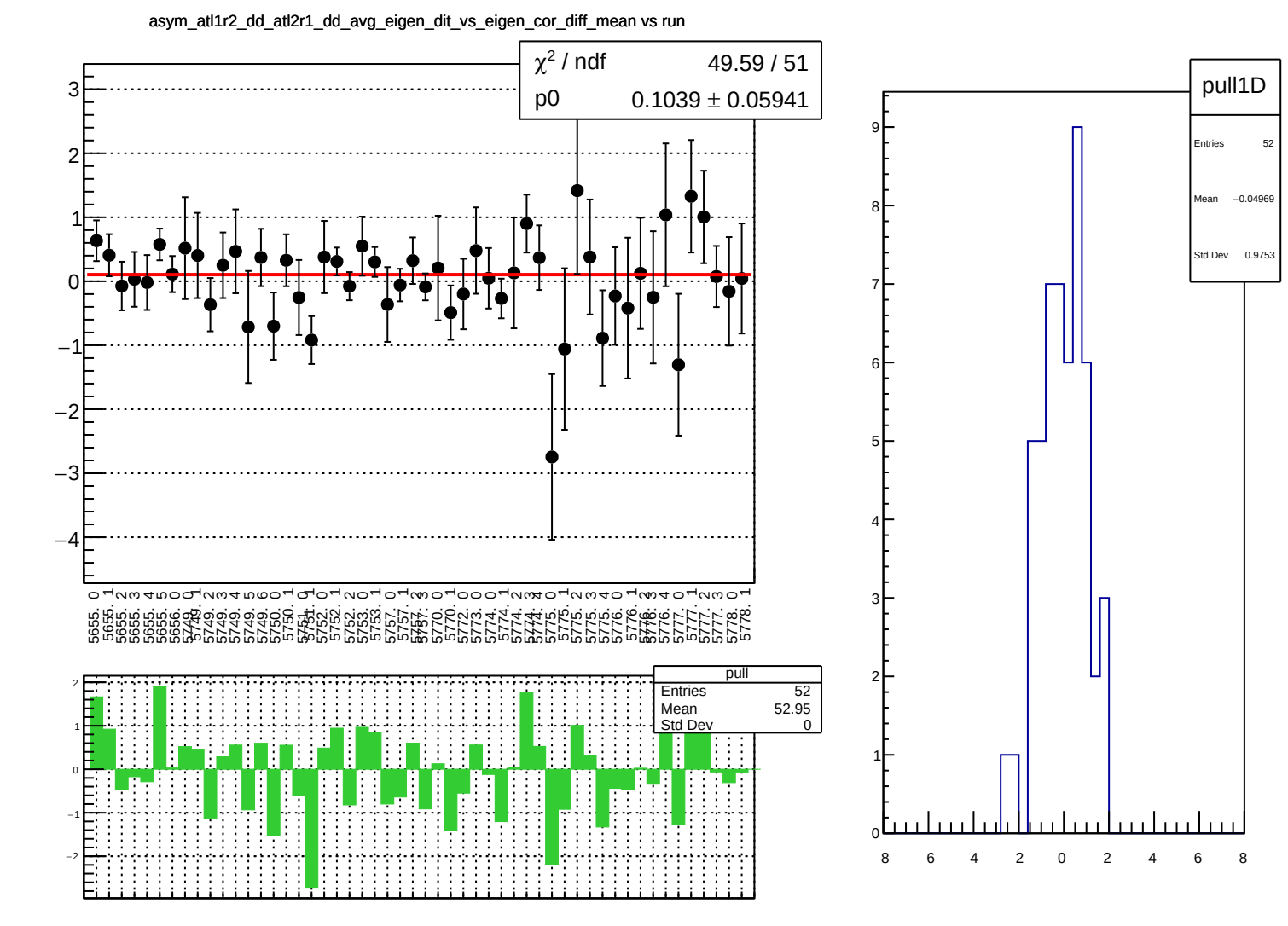
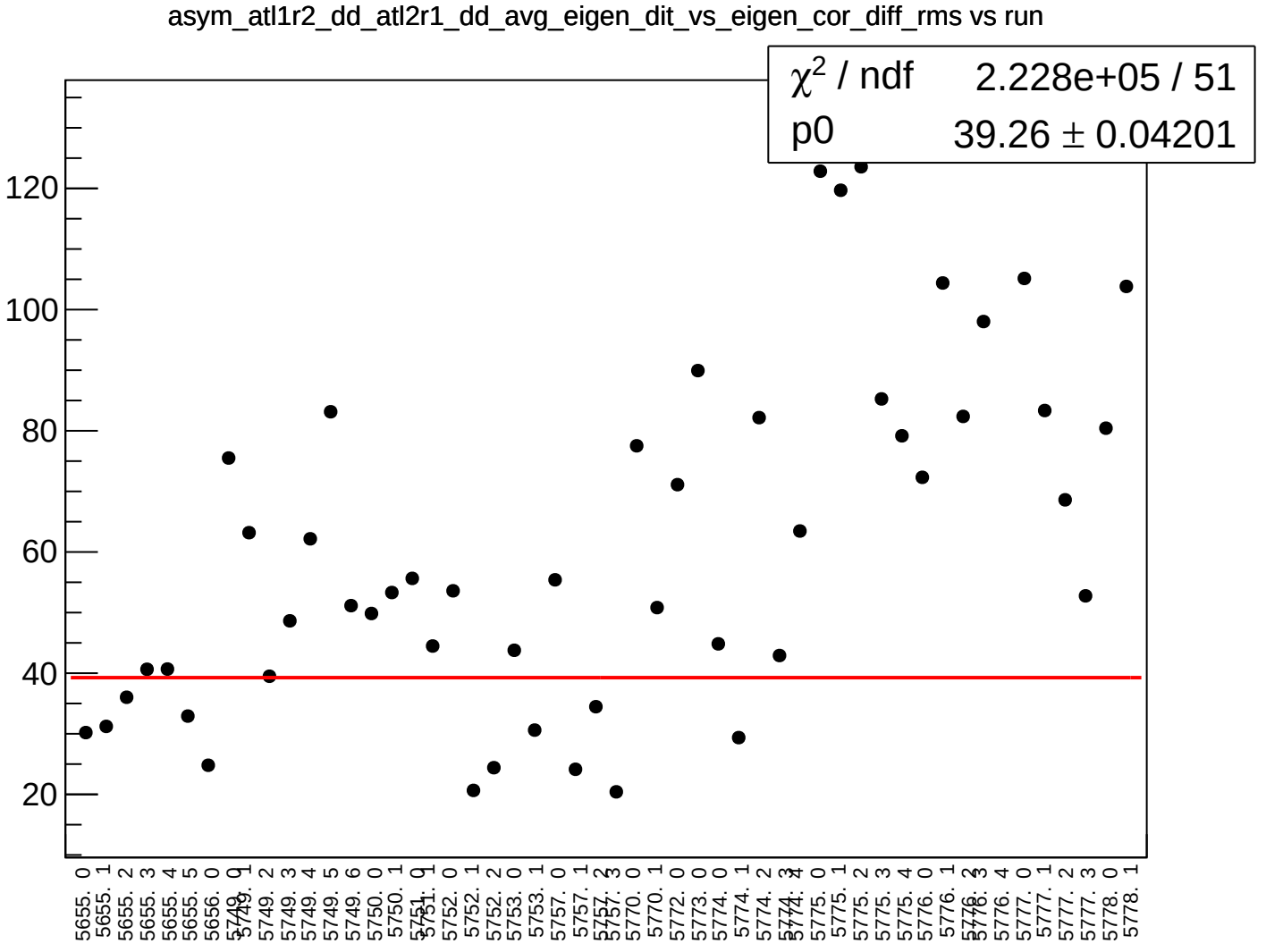
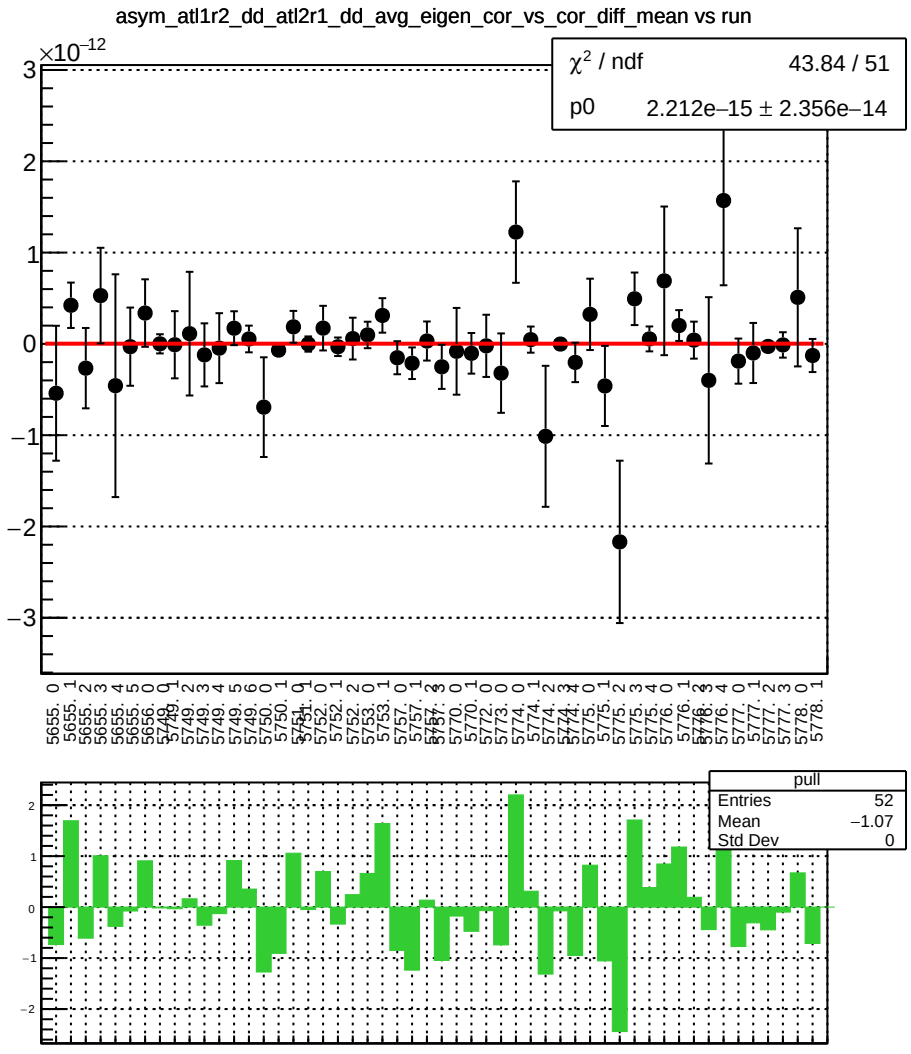
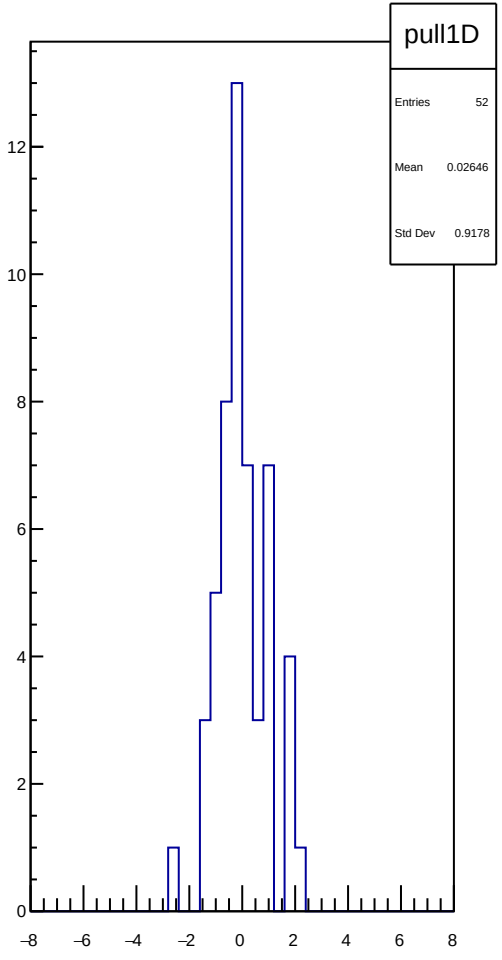
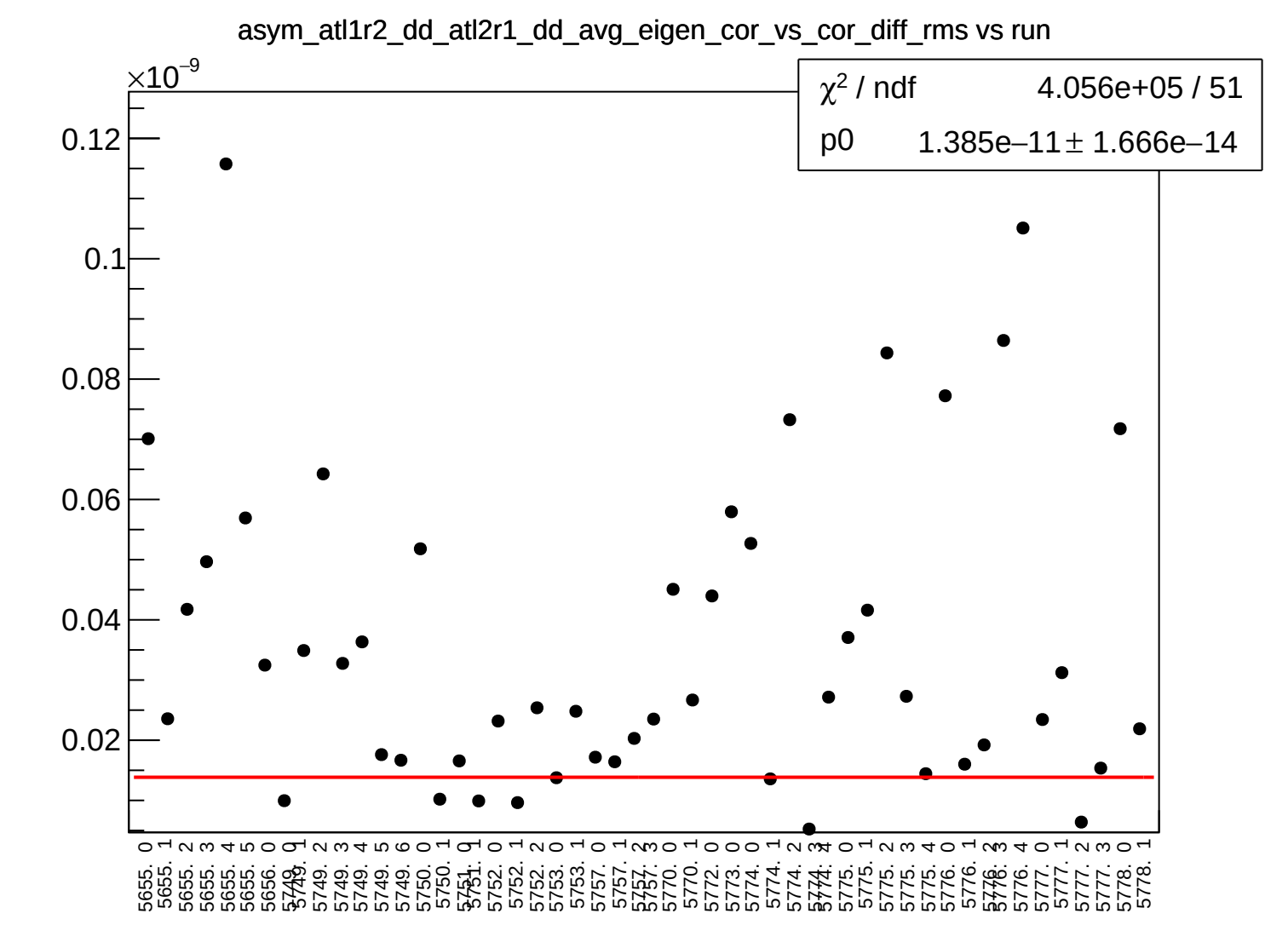
5778. 1

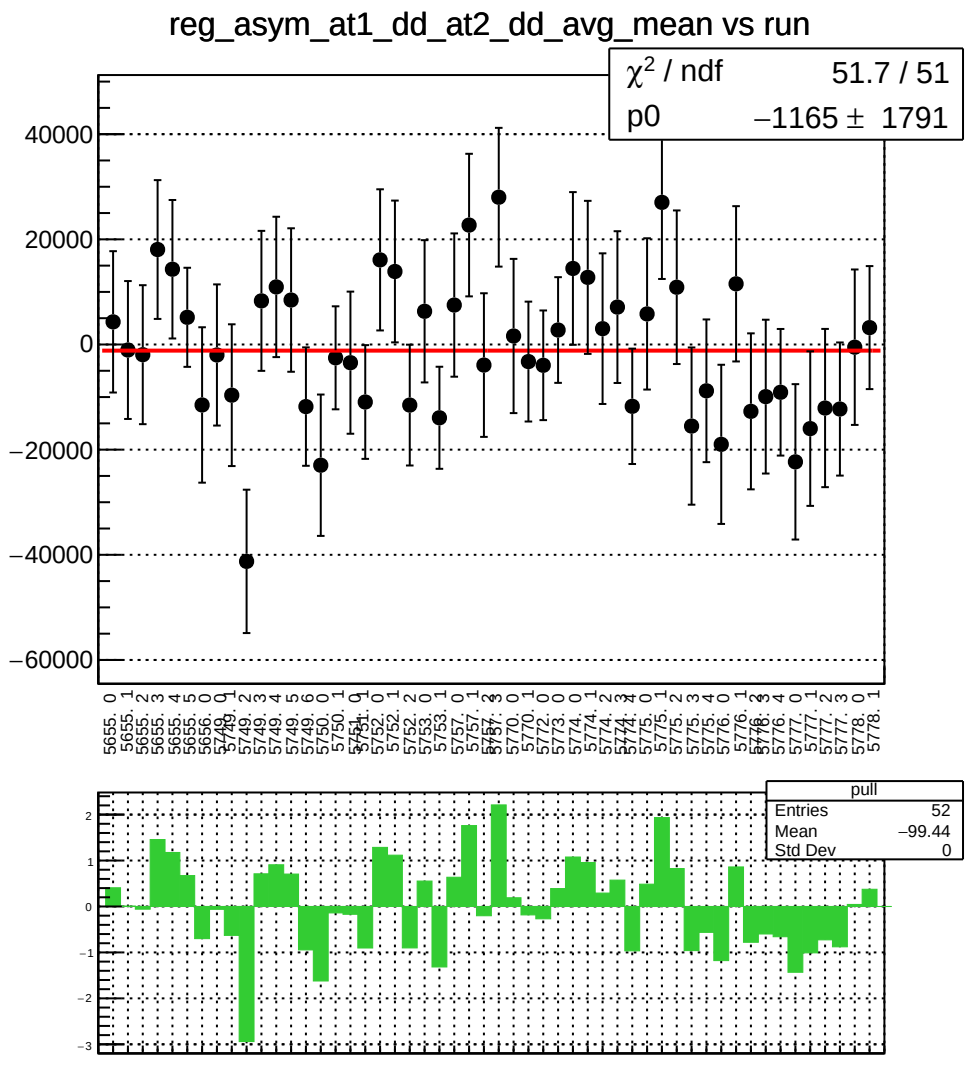

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.59 / 51
p0 0.1039 ± 0.05941
pull
Entries 52
Mean 52.95
Std Dev 0
pull1D
Entries 52
Mean −0.04969
Std Dev 0.9753

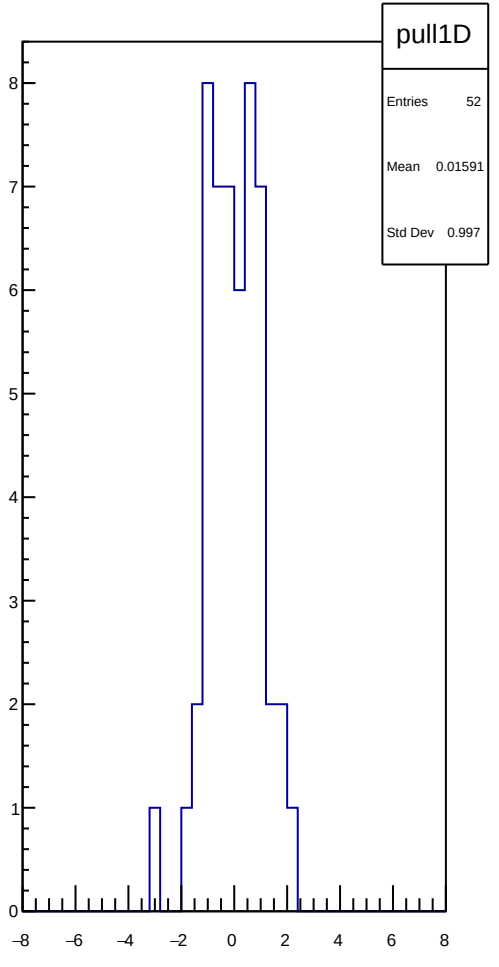

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.228e+05 / 51
p0 39.26 ± 0.04201
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

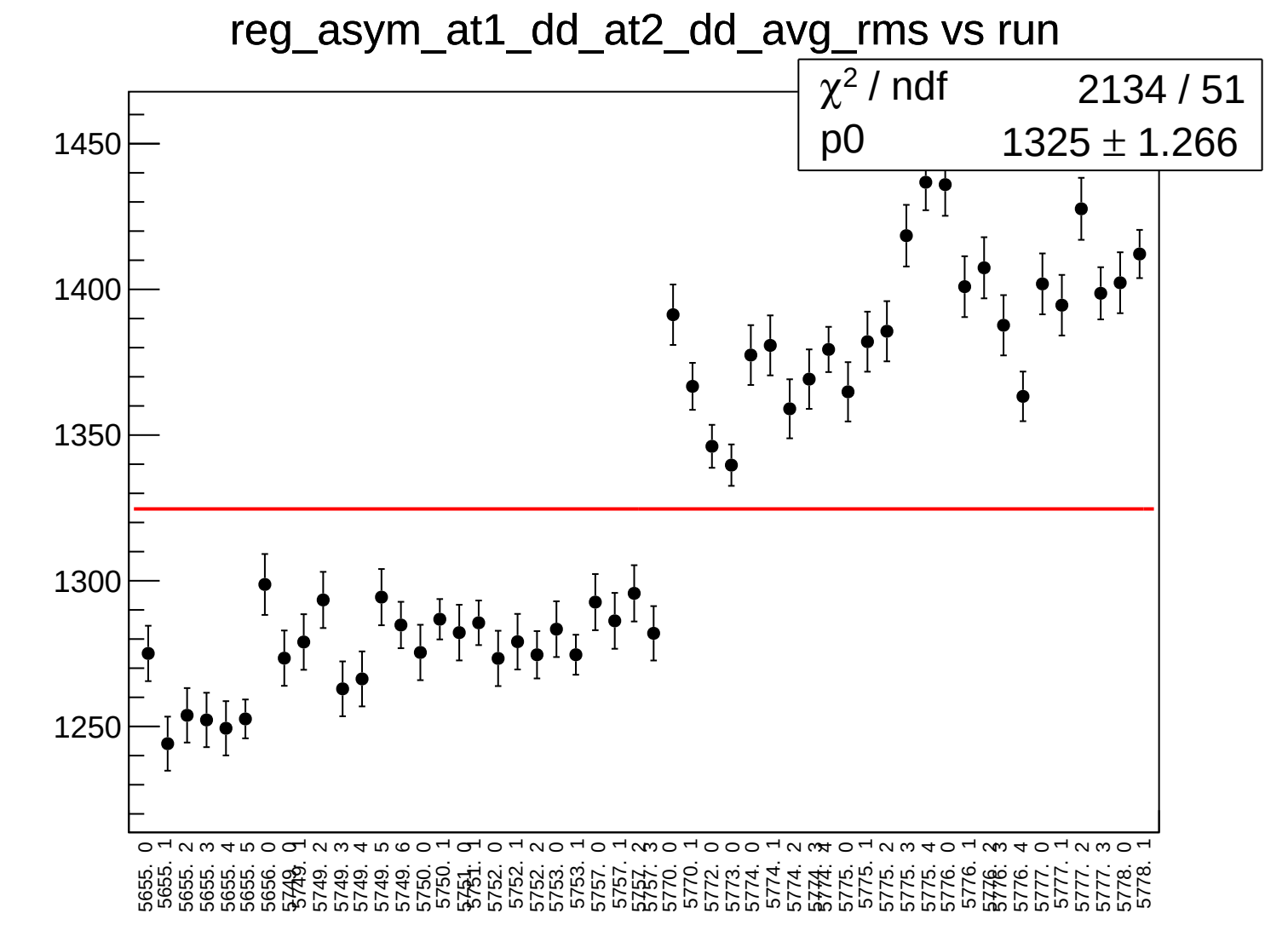

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 43.84 / 51
p0 2.212e−15 ± 2.356e−14
pull
Entries 52
Mean −1.07
Std Dev 0

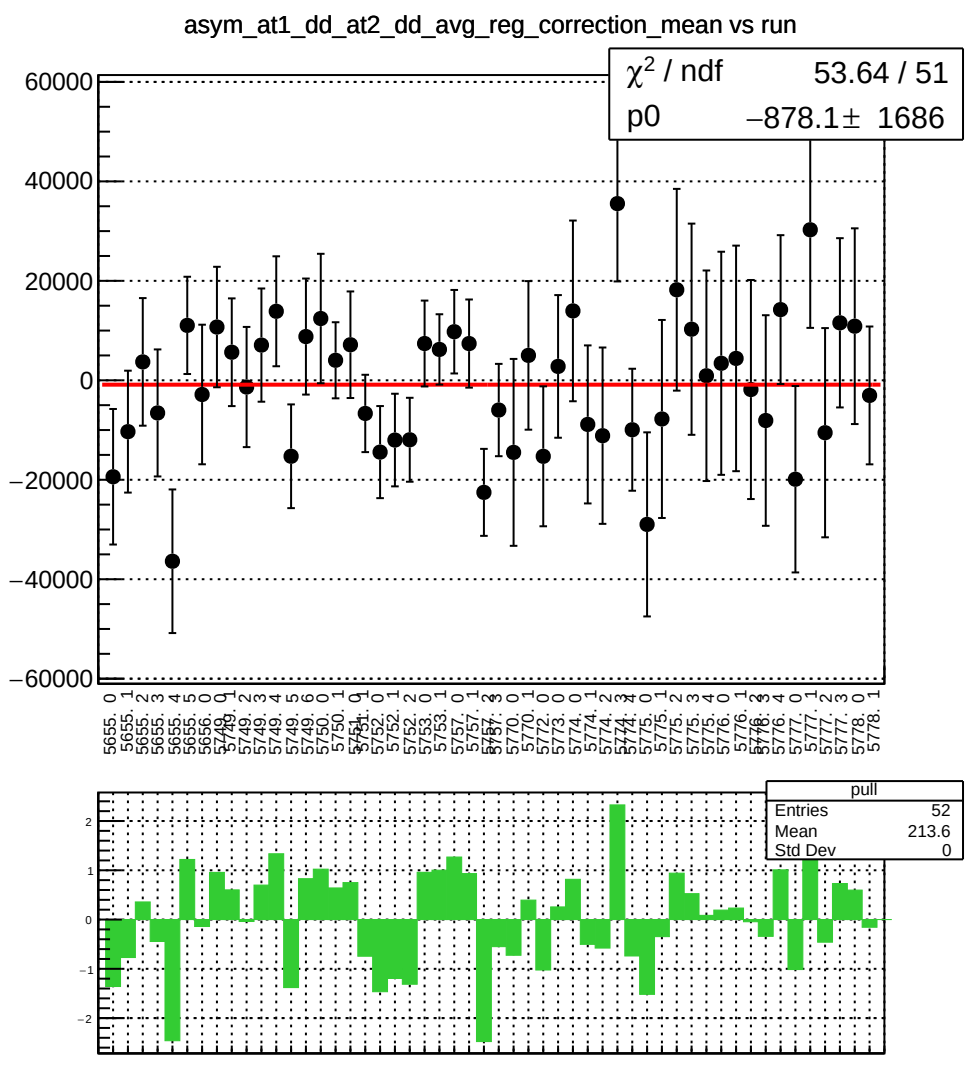

pull1D
Entries 52
Mean 0.02646
Std Dev 0.9178

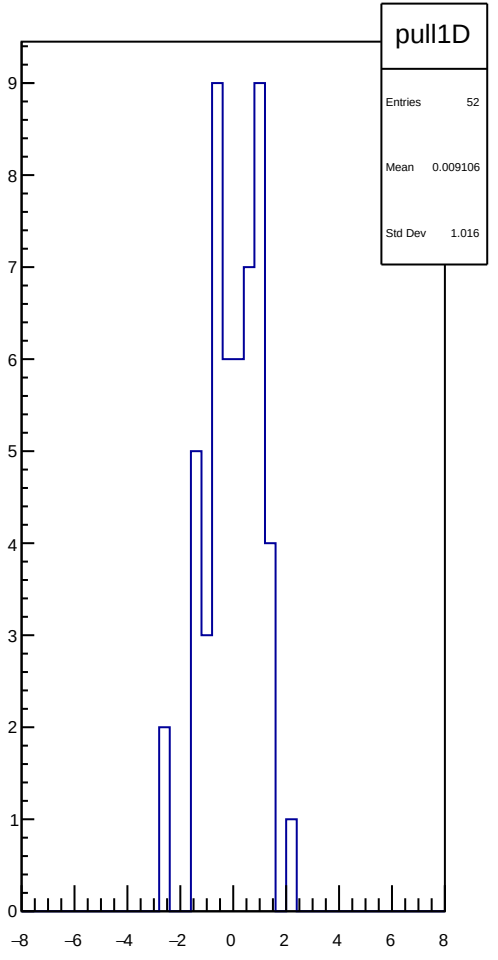

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.056e+05 / 51
p0 1.385e−11 ± 1.666e−14
0.12
0.1
0.08
0.06
0.04
0.02
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

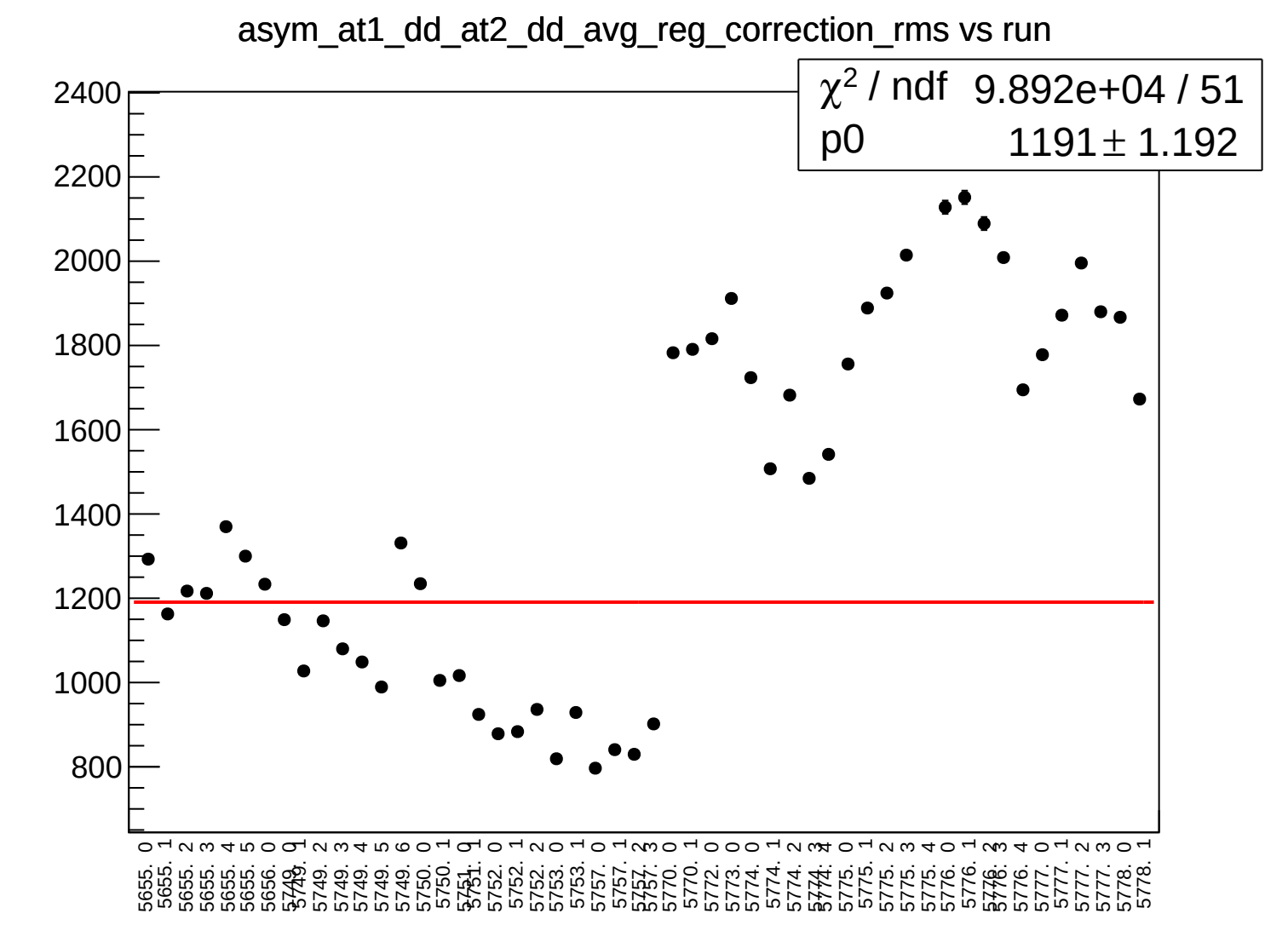

reg_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 51.7 / 51
p0 −1165 ± 1791
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −99.44
Std Dev 0
2
1
0
−1
−2
−3

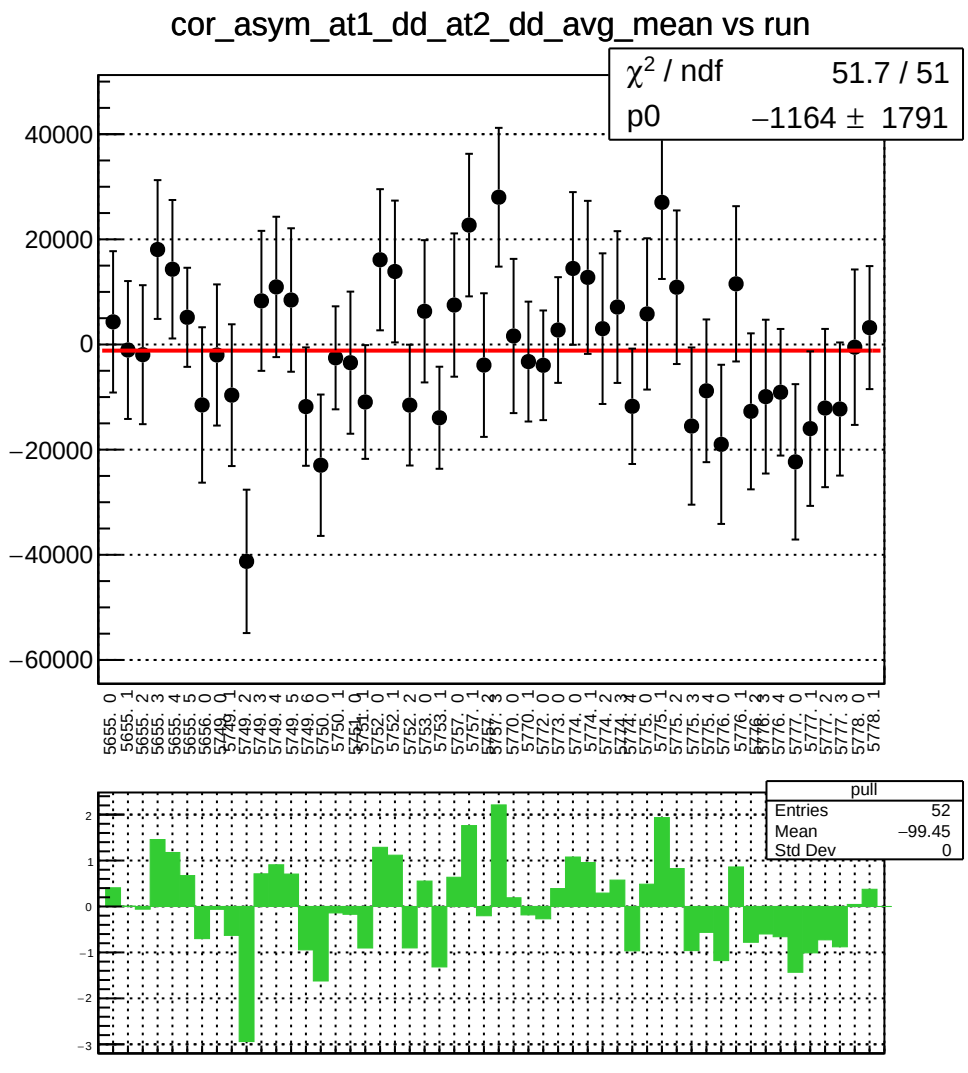

pull1D
Entries 52
Mean 0.01591
Std Dev 0.997
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

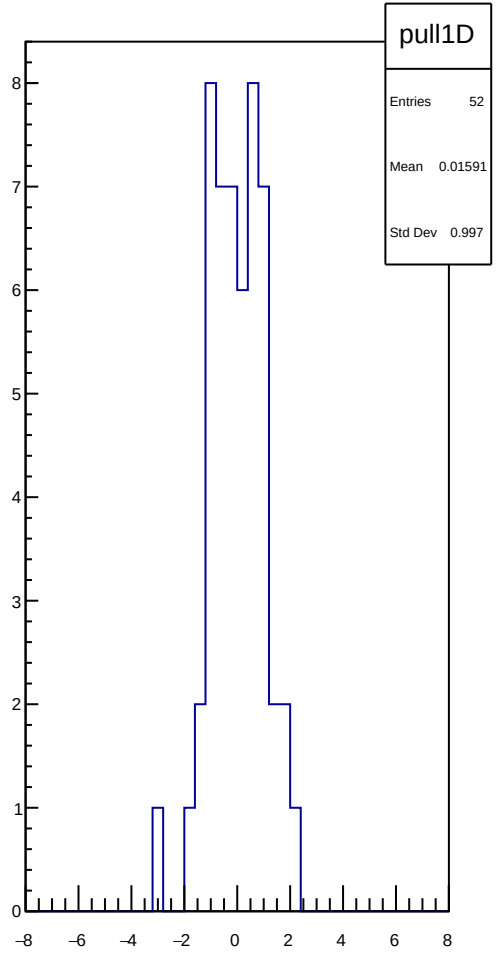

reg_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 2134 / 51
p0 1325 ± 1.266
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

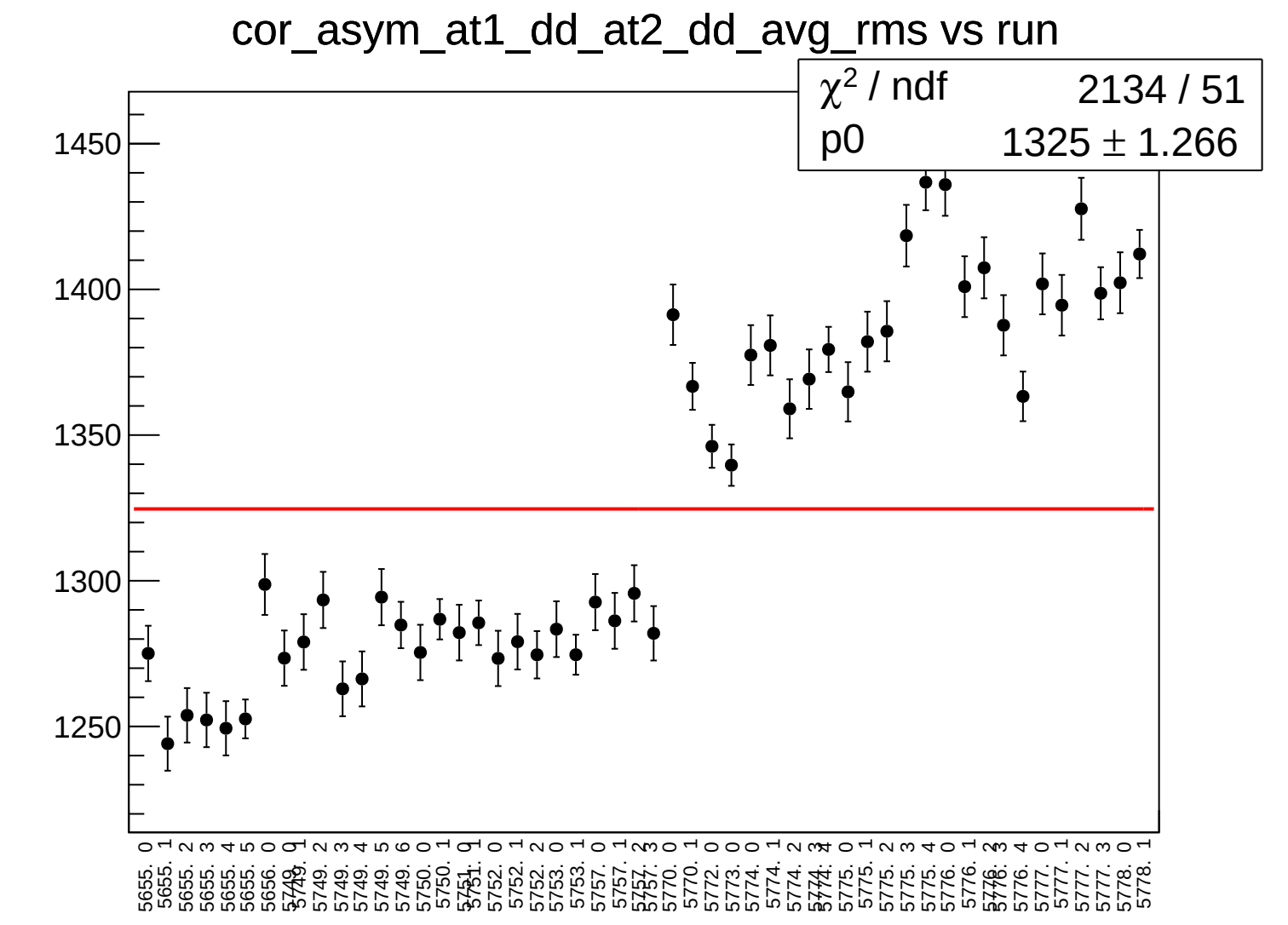

asym_at1_dd_at2_dd_avg_reg_correction_mean vs run
χ² / ndf 53.64 / 51
p0 −878.1± 1686
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 213.6
Std Dev 0
2
1
0
−1
−2

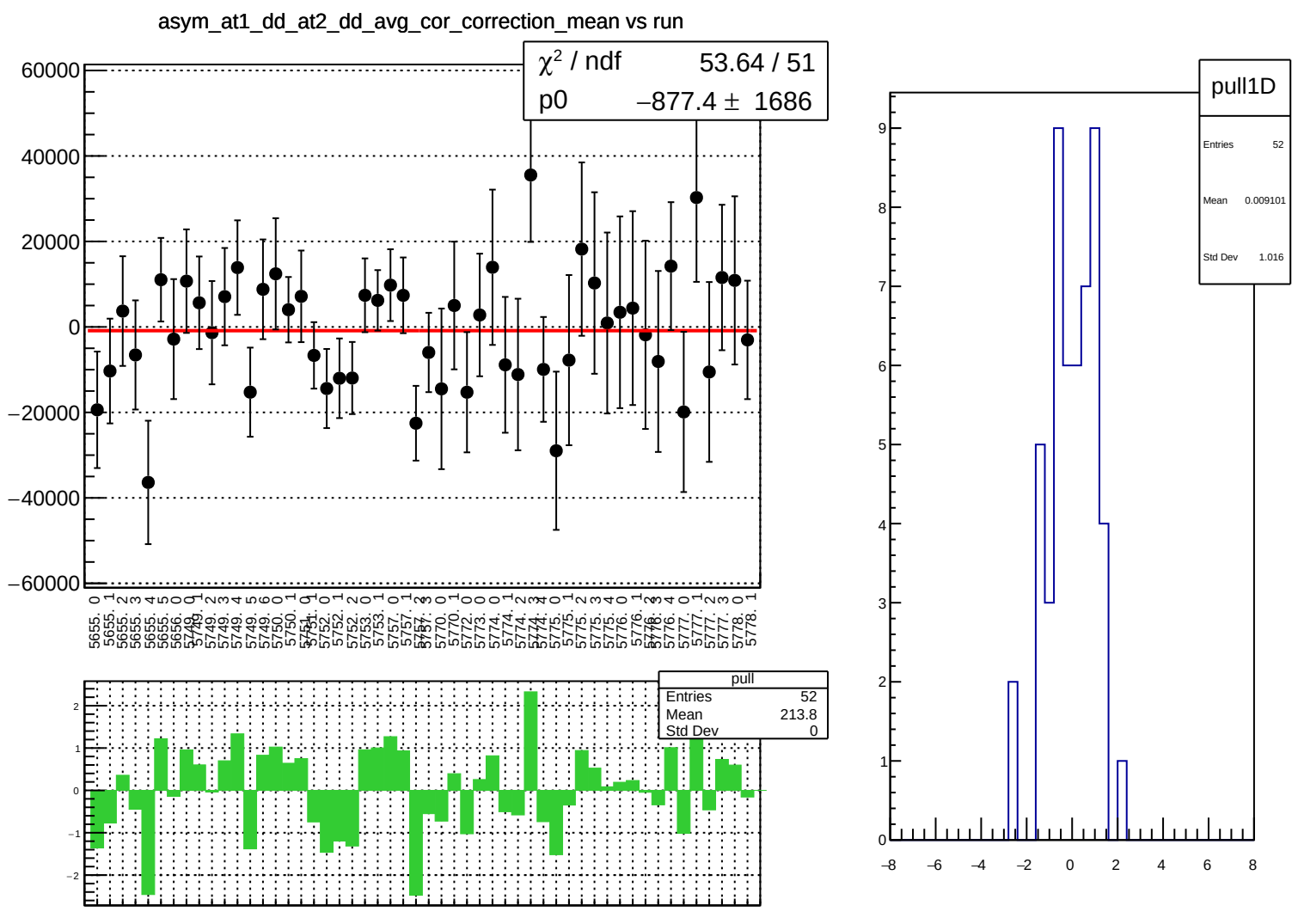

pull1D
Entries 52
Mean 0.009106
Std Dev 1.016
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

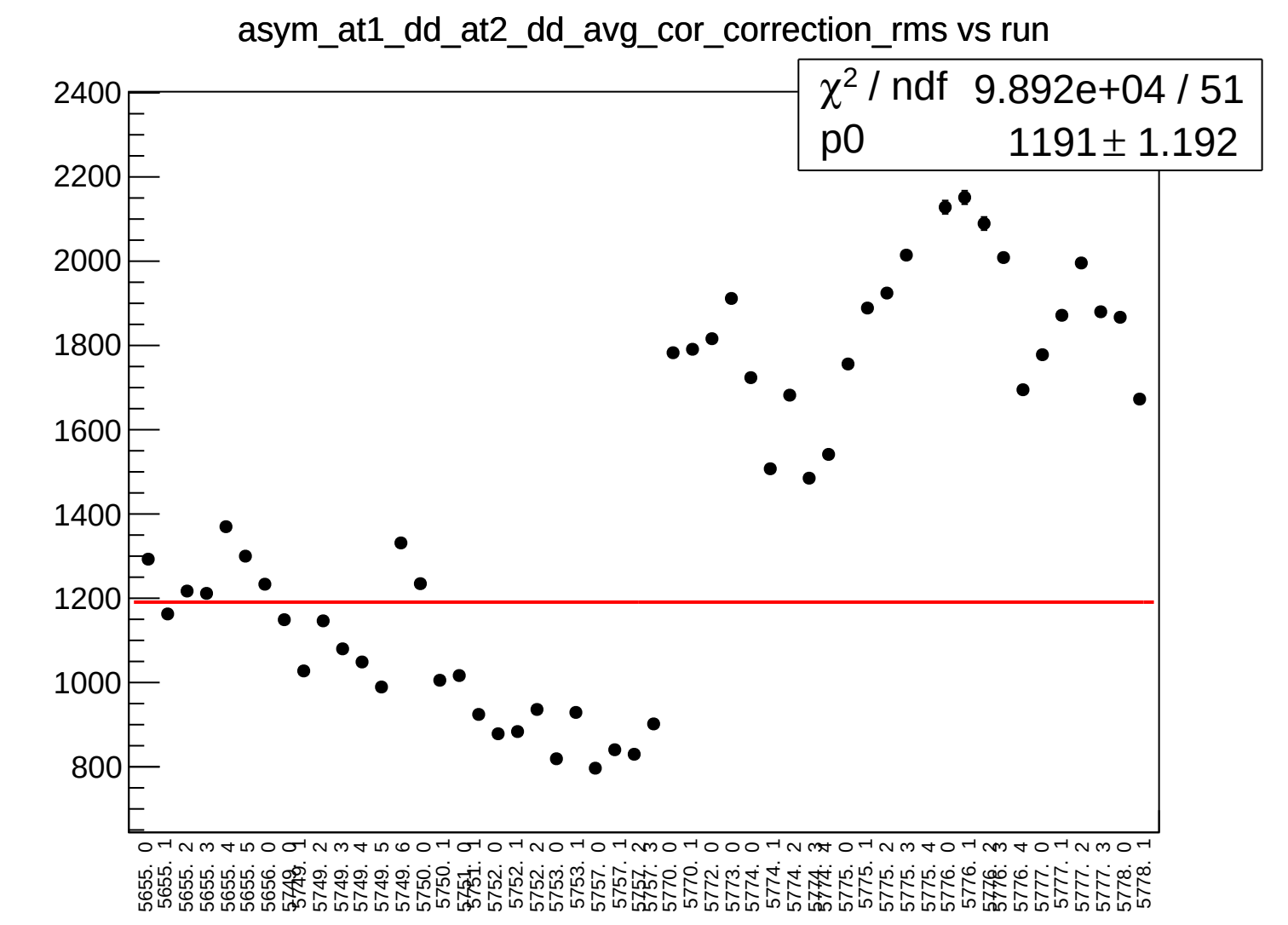

asym_at1_dd_at2_dd_avg_reg_correction_rms vs run
χ² / ndf 9.892e+04 / 51
p0 1191 ± 1.192
2400
2200
2000
1800
1600
1400
1200
1000
800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 51.7 / 51
p0 −1164 ± 1791
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −99.45
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean 0.01591
Std Dev 0.997
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 2134 / 51
p0 1325 ± 1.266
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_at1_dd_at2_dd_avg_cor_correction_mean vs run
χ² / ndf 53.64 / 51
p0 −877.4 ± 1686
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 213.8
Std Dev 0
pull1D
Entries 52
Mean 0.009101
Std Dev 1.016


asym_at1_dd_at2_dd_avg_cor_correction_rms vs run
χ² / ndf 9.892e+04 / 51
p0 1191 ± 1.192
2400
2200
2000
1800
1600
1400
1200
1000
800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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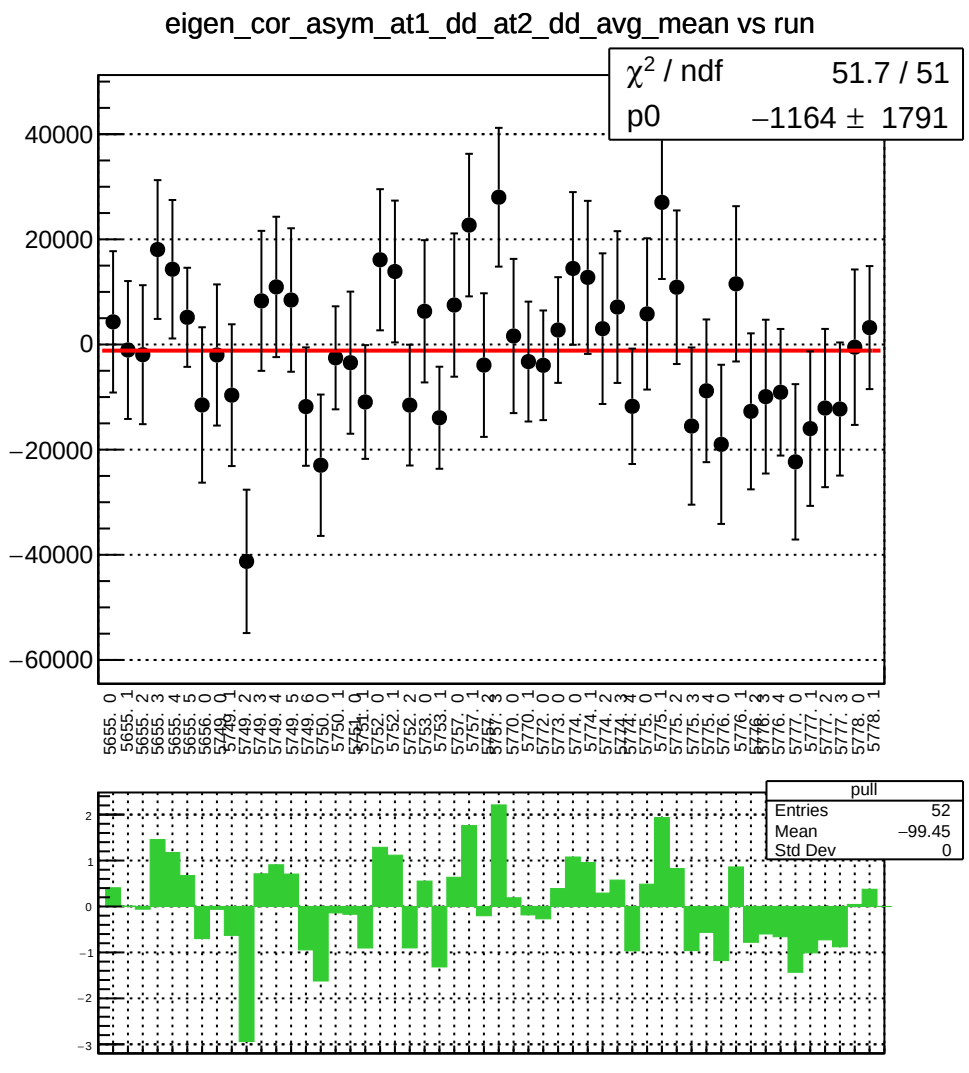
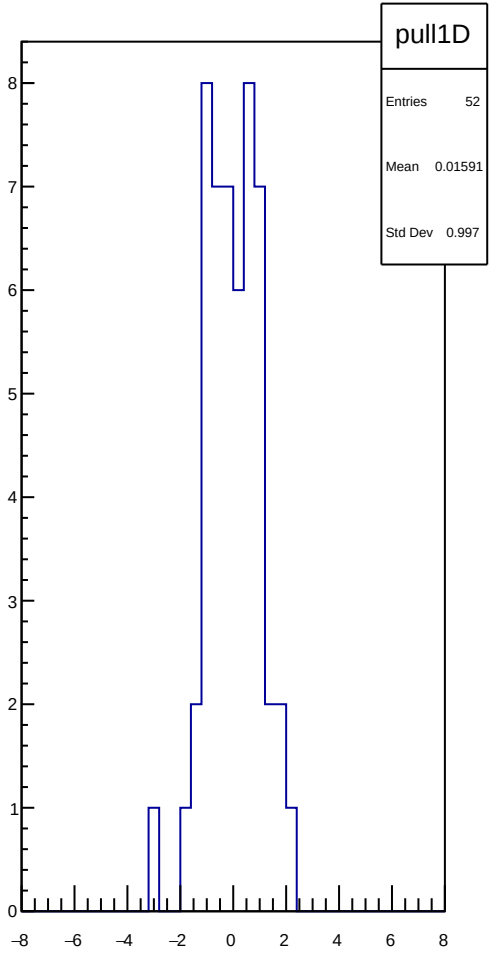
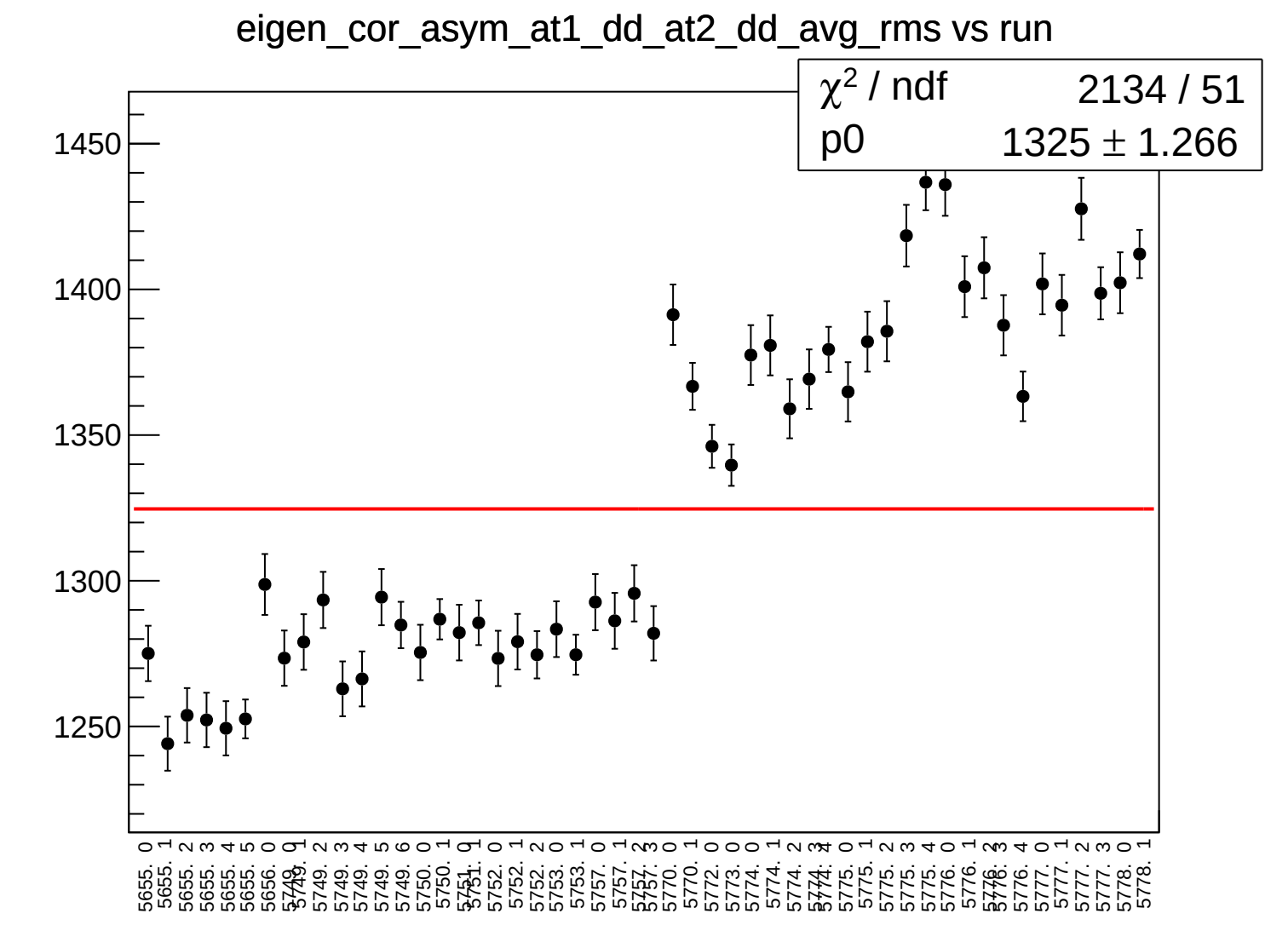
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 51.7 / 51
p0 −1164 ± 1791
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −99.45
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean 0.01591
Std Dev 0.997
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 2134 / 51
p0 1325 ± 1.266
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
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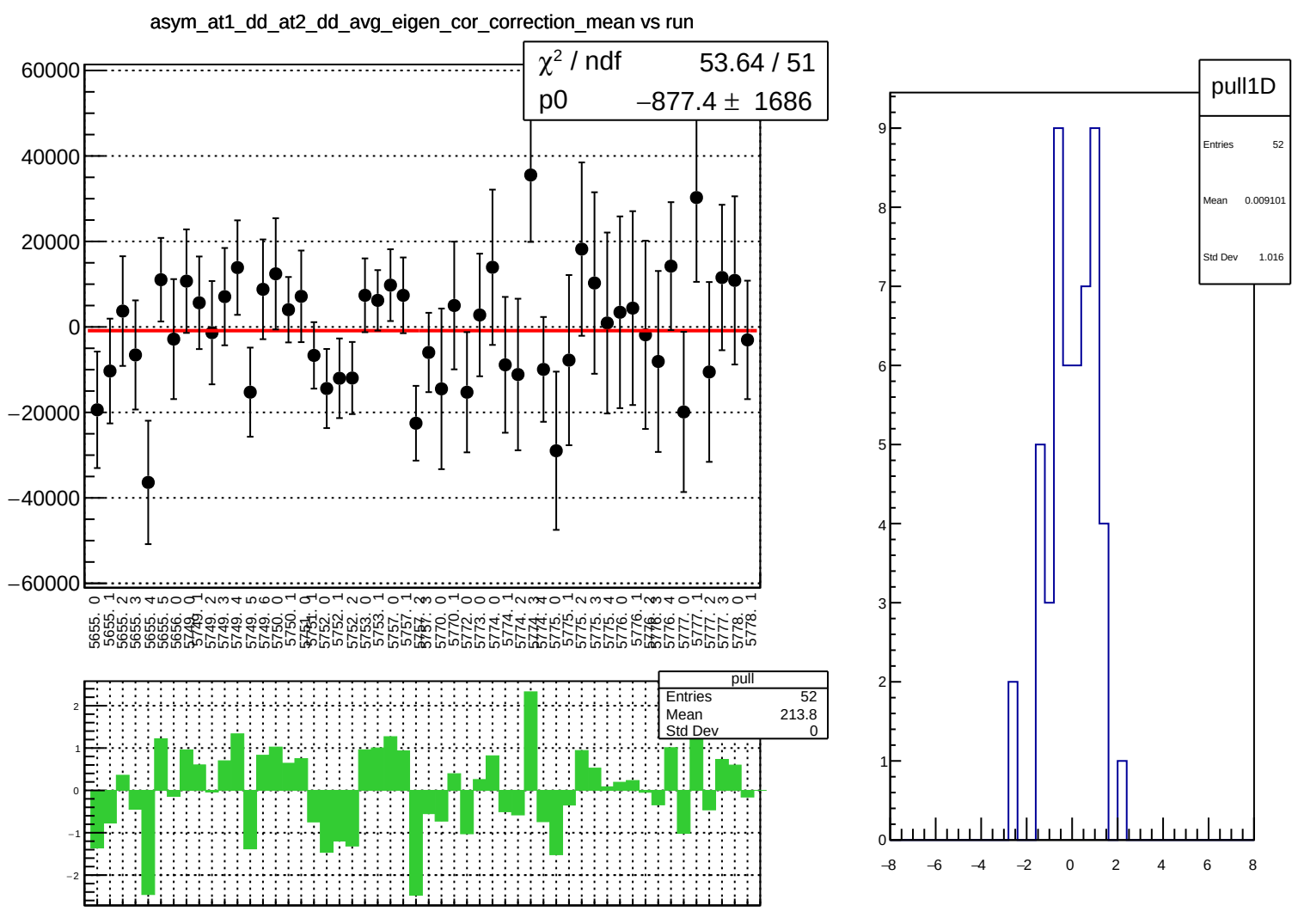
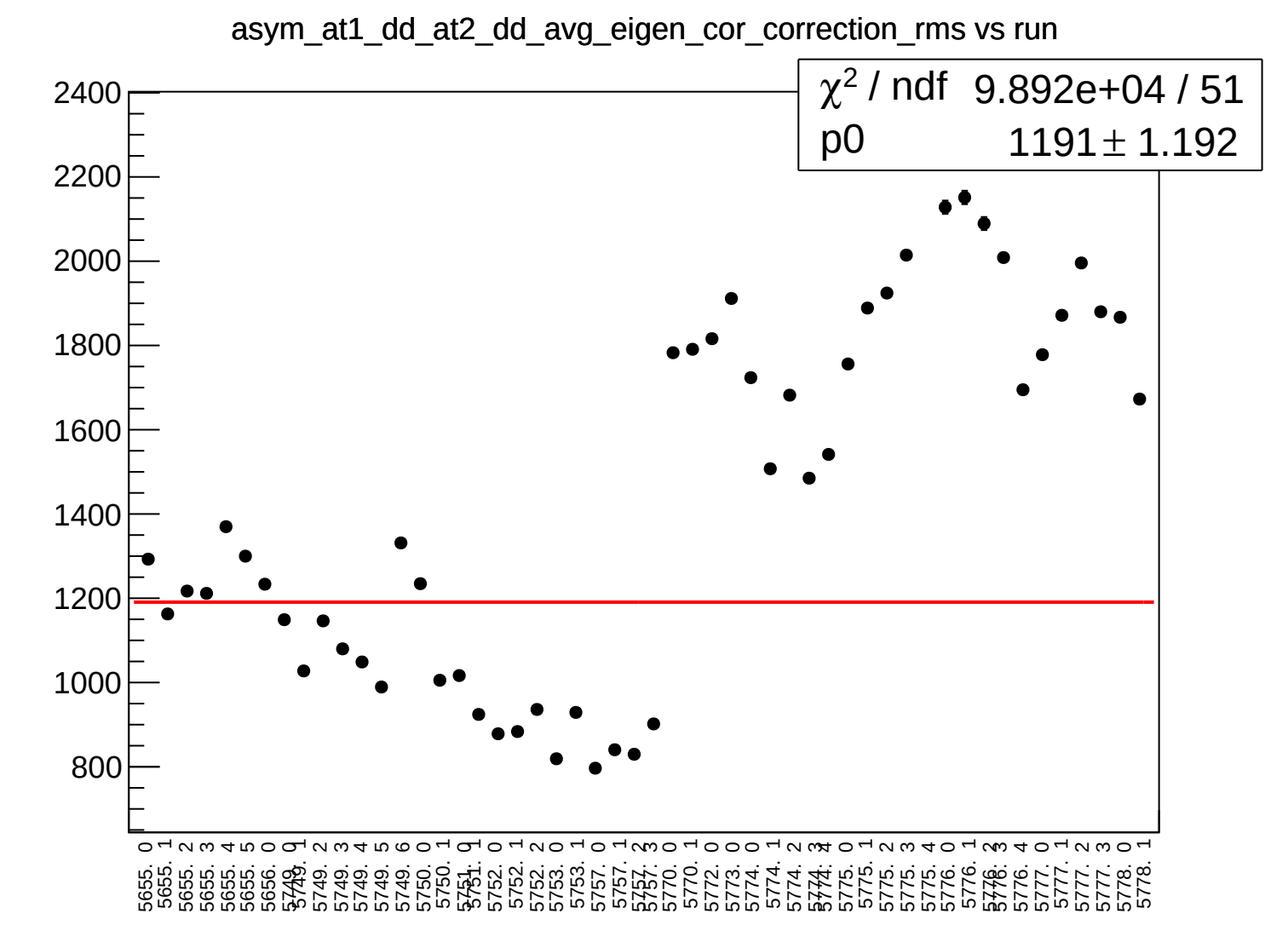
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 53.64 / 51
p0 −877.4 ± 1686
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 213.8
Std Dev 0
pull1D
Entries 52
Mean 0.009101
Std Dev 1.016


asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 9.892e+04 / 51
p0 1191 ± 1.192
2400
2200
2000
1800
1600
1400
1200
1000
800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5753. 1
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5757. 1
5757. 2
5757. 3
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5772. 0
5773. 0
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5774. 2
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5776. 0
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5776. 4
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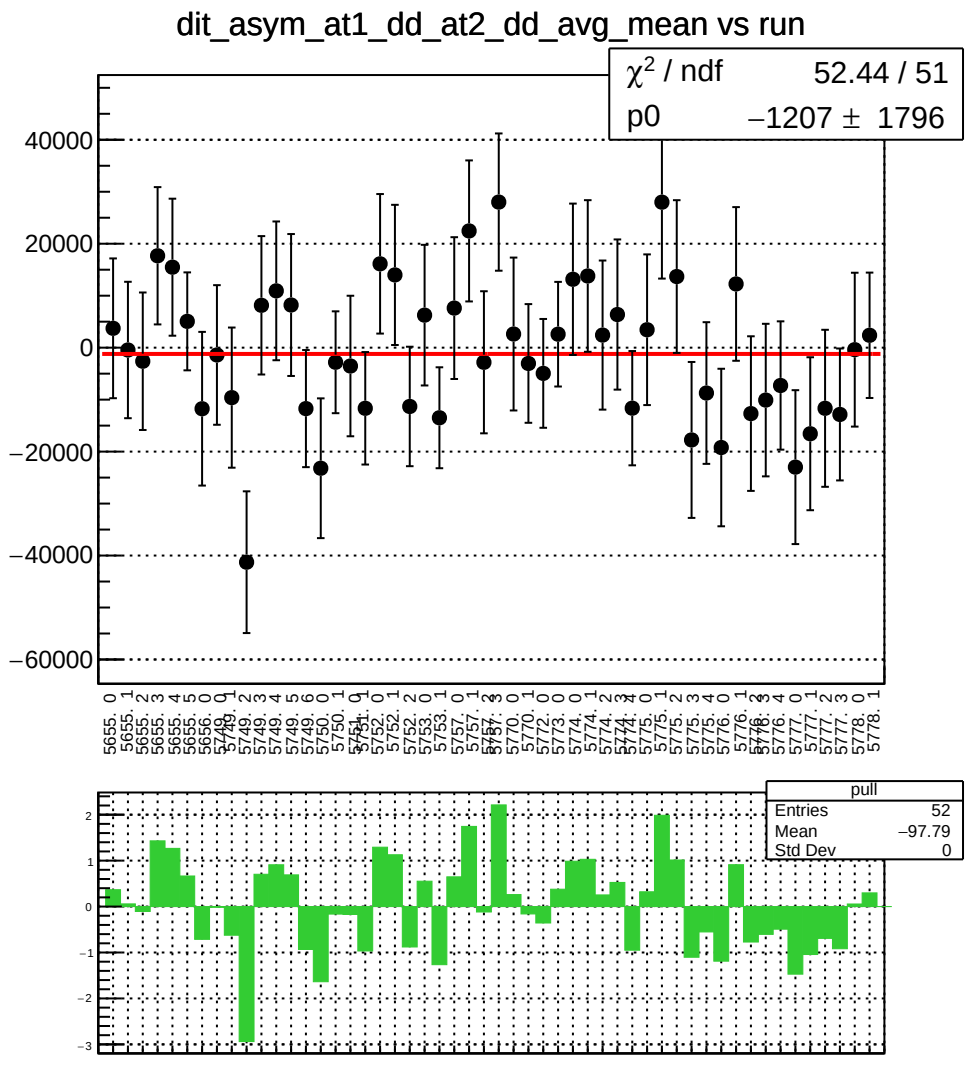
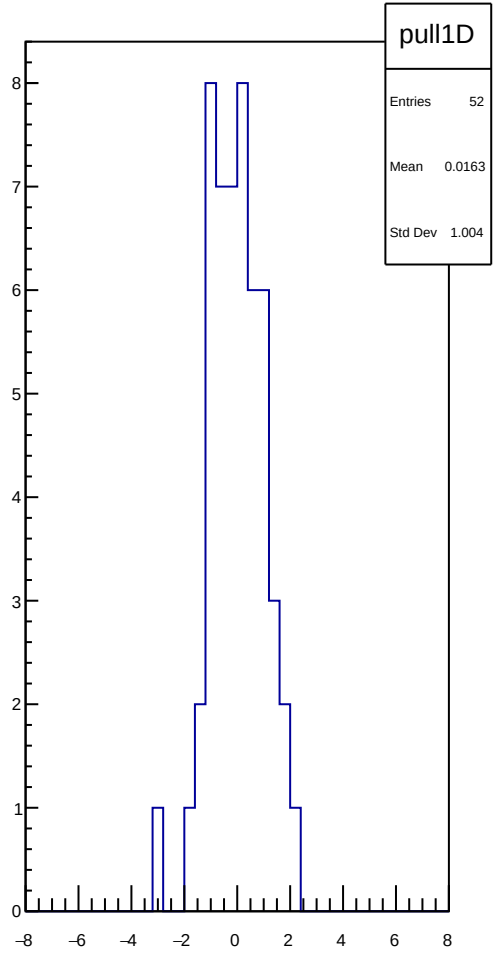
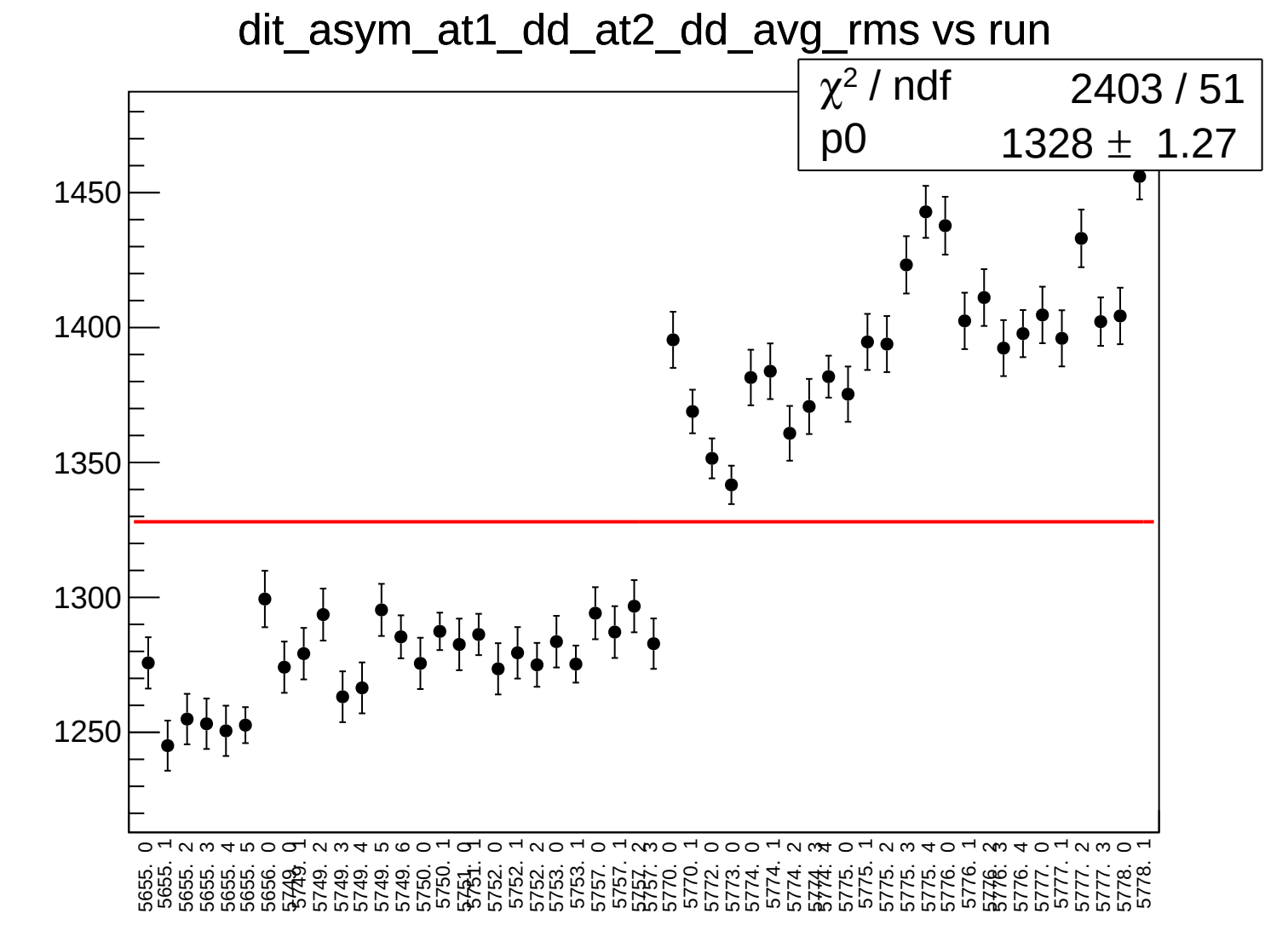
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 52.44 / 51
p0 −1207 ± 1796
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −97.79
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean 0.0163
Std Dev 1.004
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 2403 / 51
p0 1328 ± 1.27
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5753. 1
5757. 0
5757. 1
5757. 2
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5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 2
5776. 3
5776. 4
5777. 0
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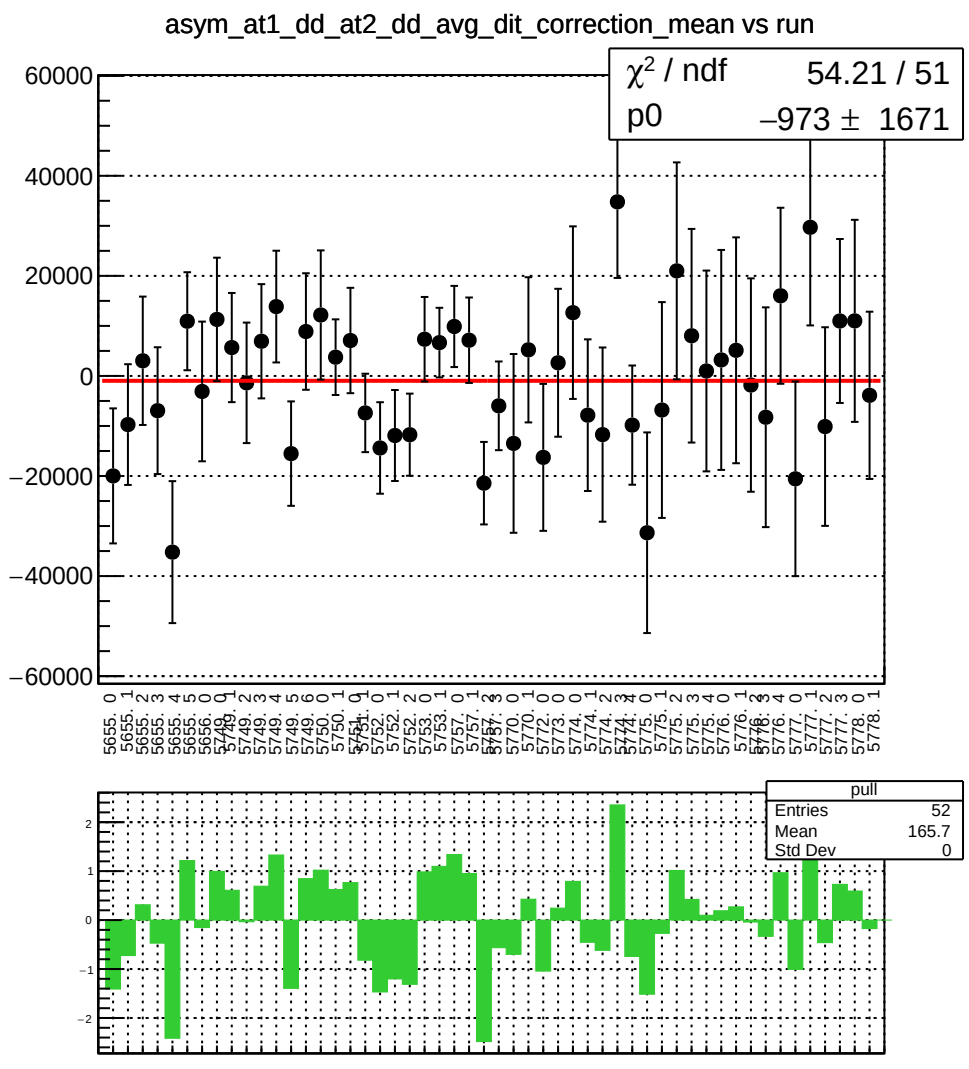
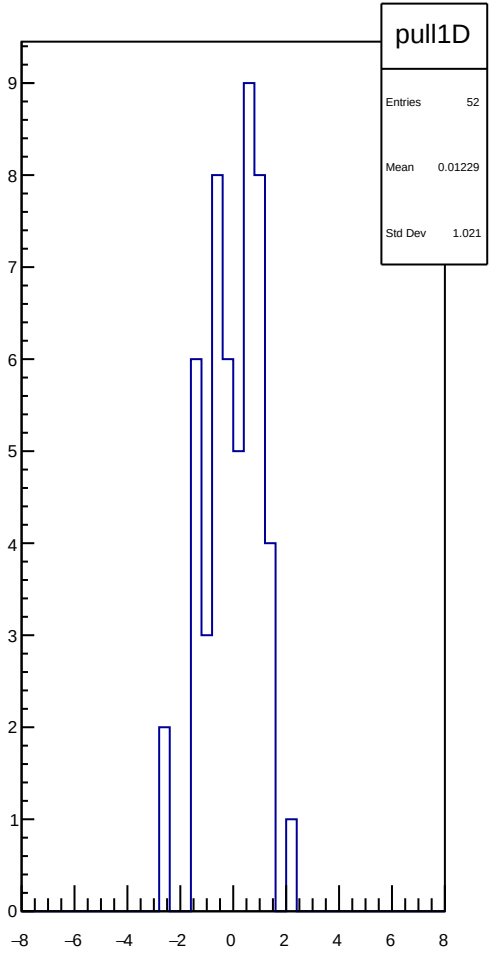
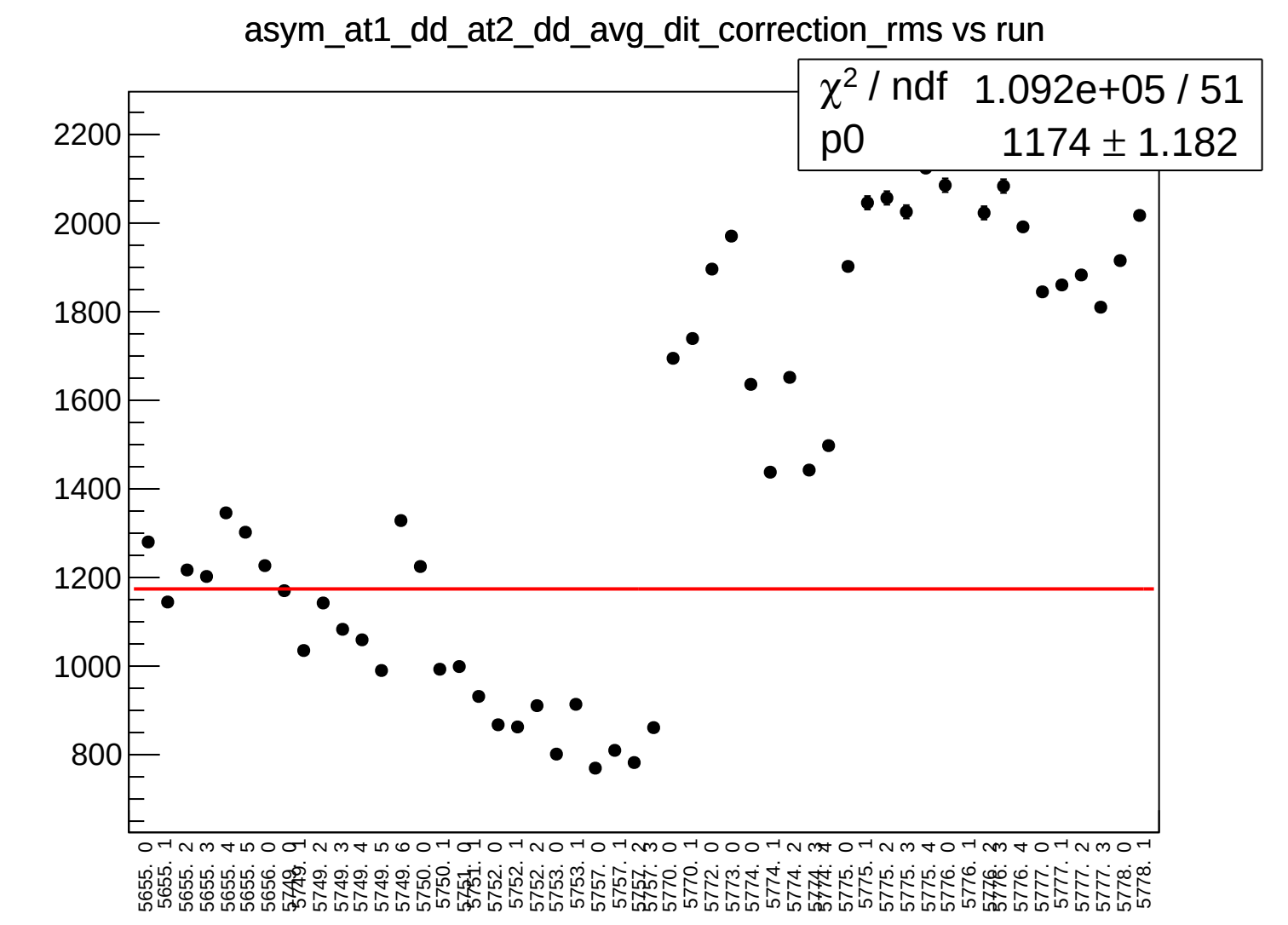
5777. 2
5777. 3
5778. 0
5778. 1


asym_at1_dd_at2_dd_avg_dit_correction_mean vs run
χ² / ndf 54.21 / 51
p0 −973 ± 1671
pull
Entries 52
Mean 165.7
Std Dev 0


pull1D
Entries 52
Mean 0.01229
Std Dev 1.021


asym_at1_dd_at2_dd_avg_dit_correction_rms vs run
χ² / ndf 1.092e+05 / 51
p0 1174 ± 1.182
2200
2000
1800
1600
1400
1200
1000
800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
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5775. 0
5775. 1
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5775. 3
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5777. 2
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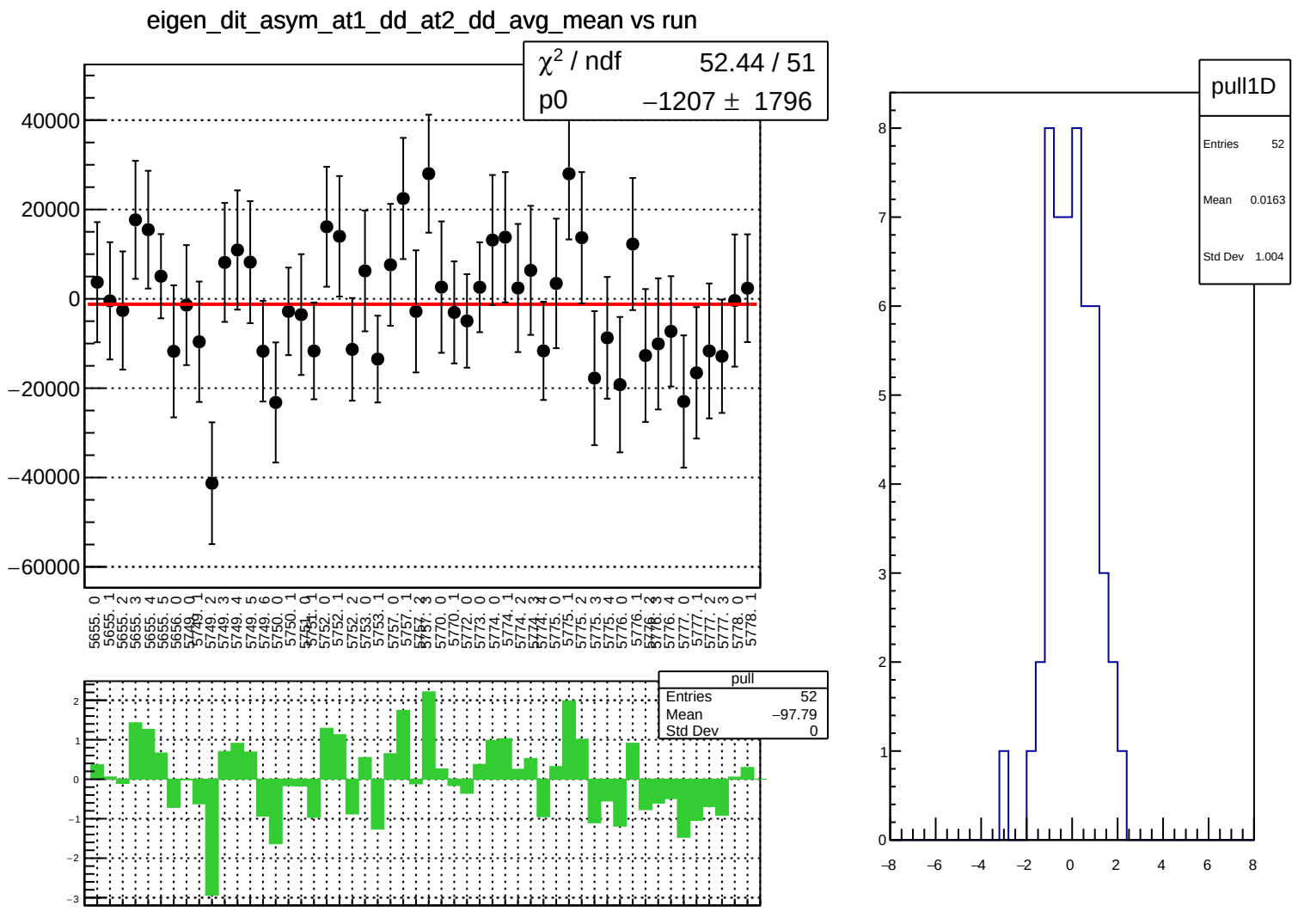
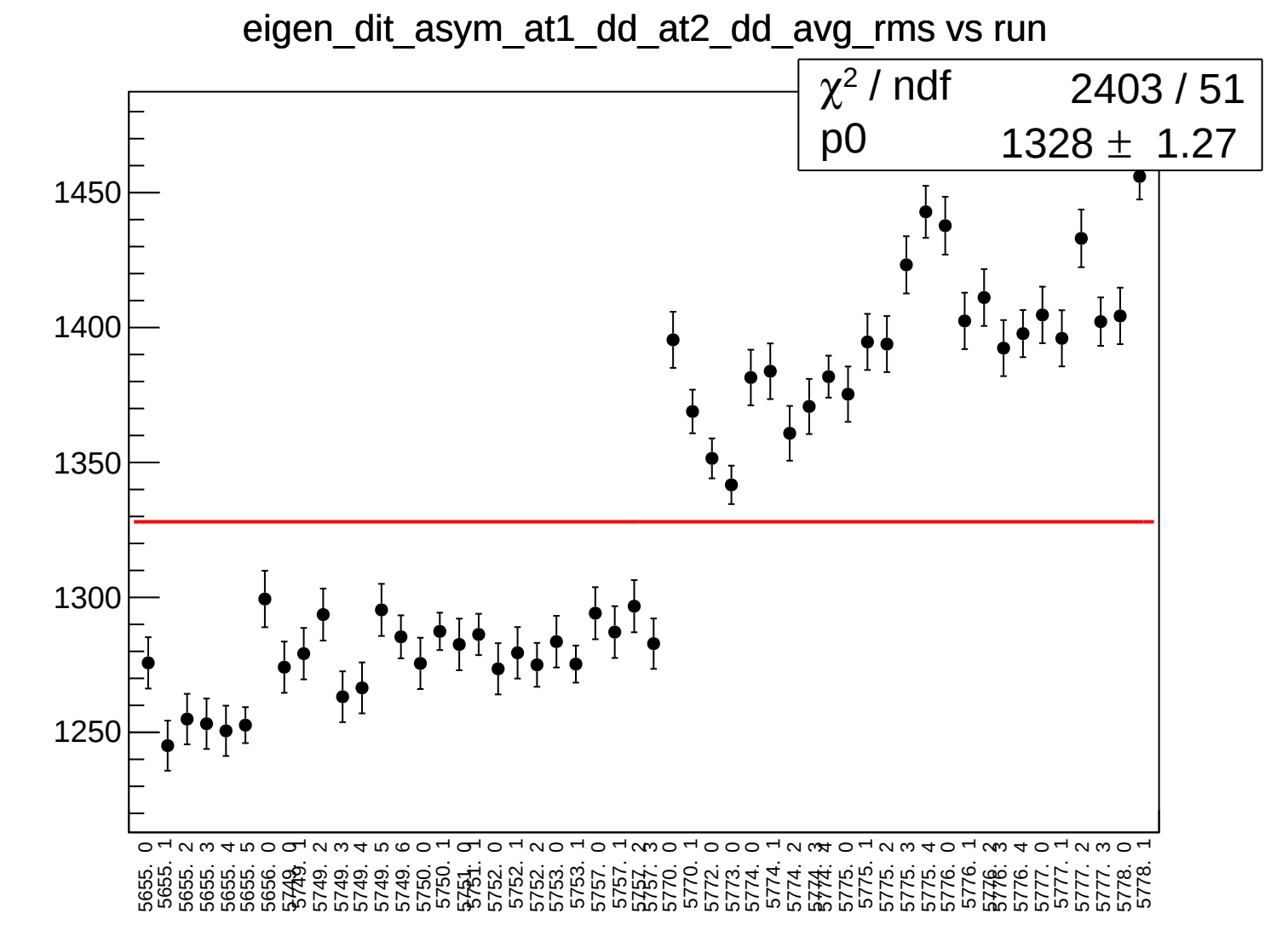
5778. 1


eigen_dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 52.44 / 51
p0 −1207 ± 1796
pull
Entries 52
Mean −97.79
Std Dev 0
pull1D
Entries 52
Mean 0.0163
Std Dev 1.004


eigen_dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 2403 / 51
p0 1328 ± 1.27
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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5776. 4
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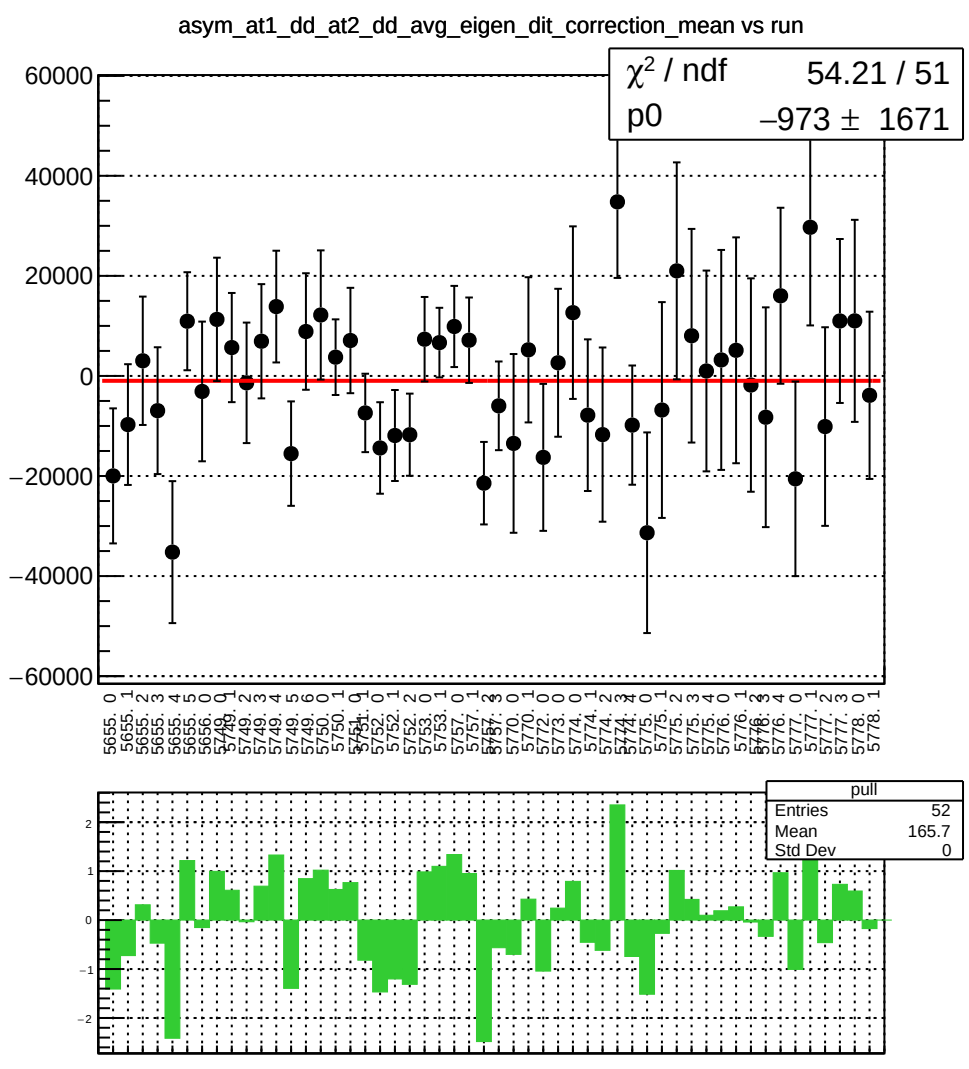
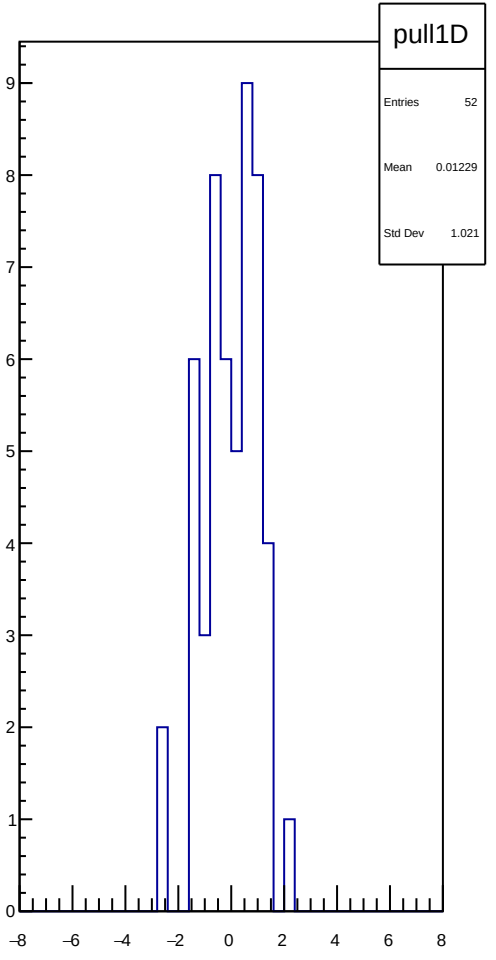
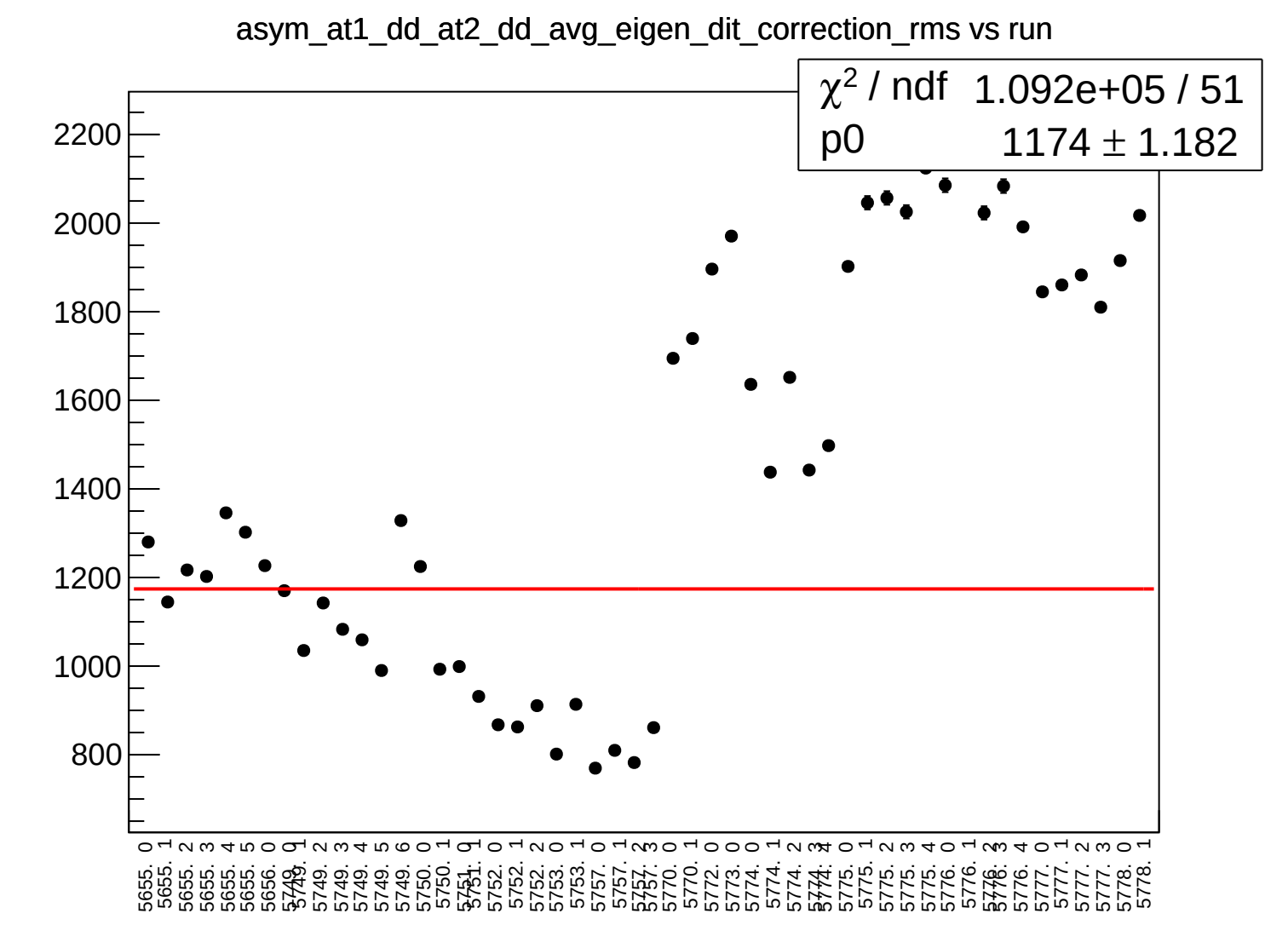
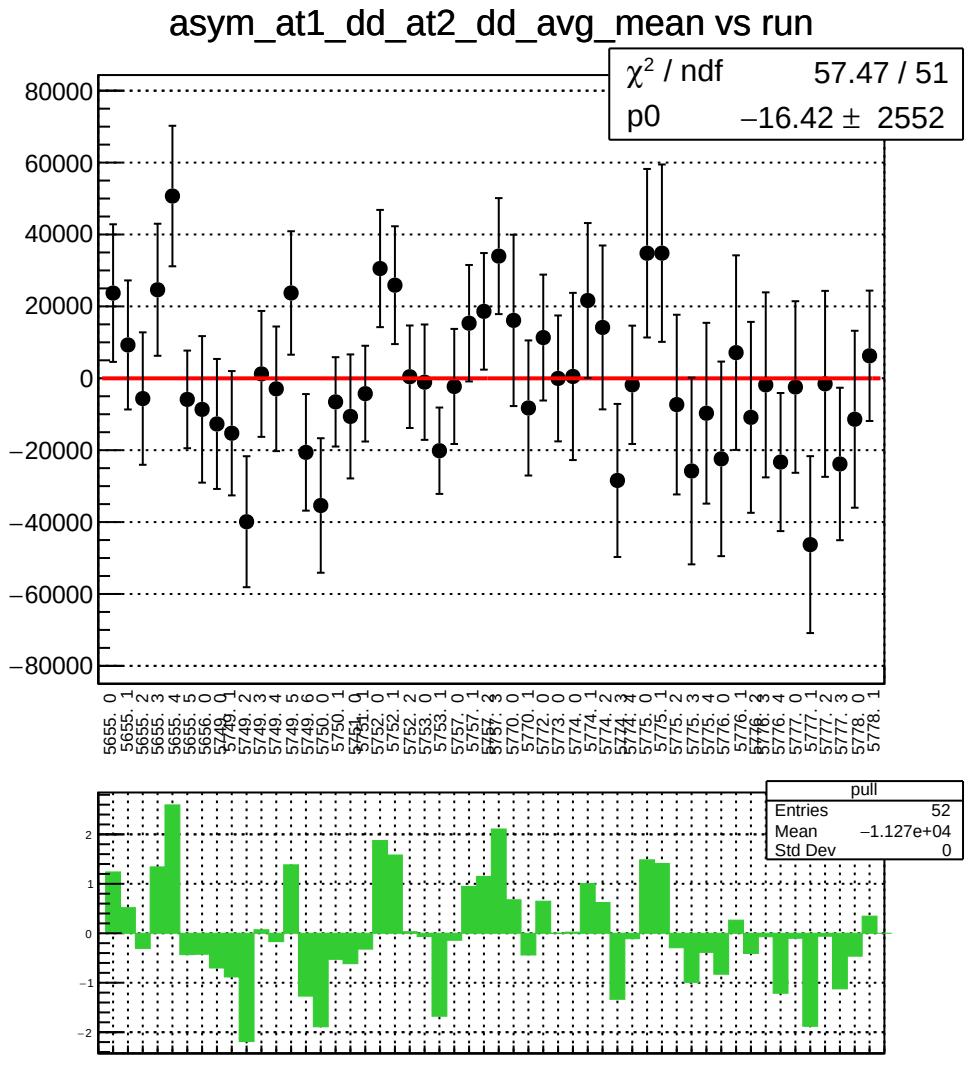
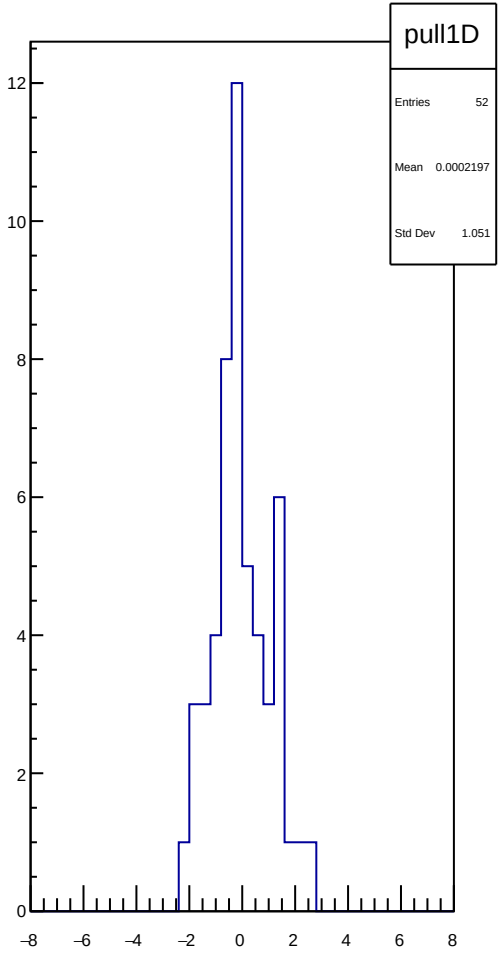
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

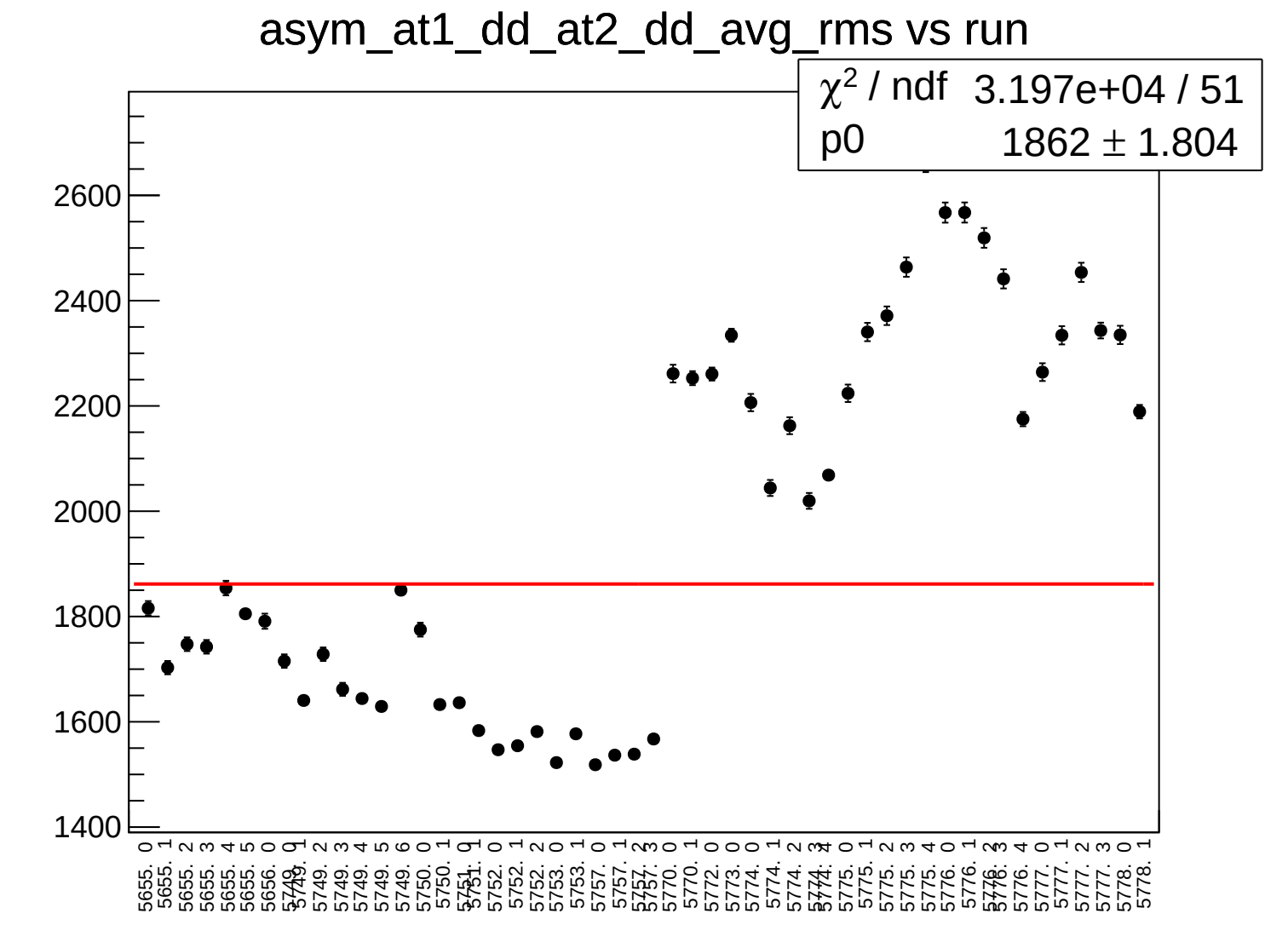

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 54.21 / 51
p0 −973 ± 1671
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 165.7
Std Dev 0
2
1
0
−1
−2

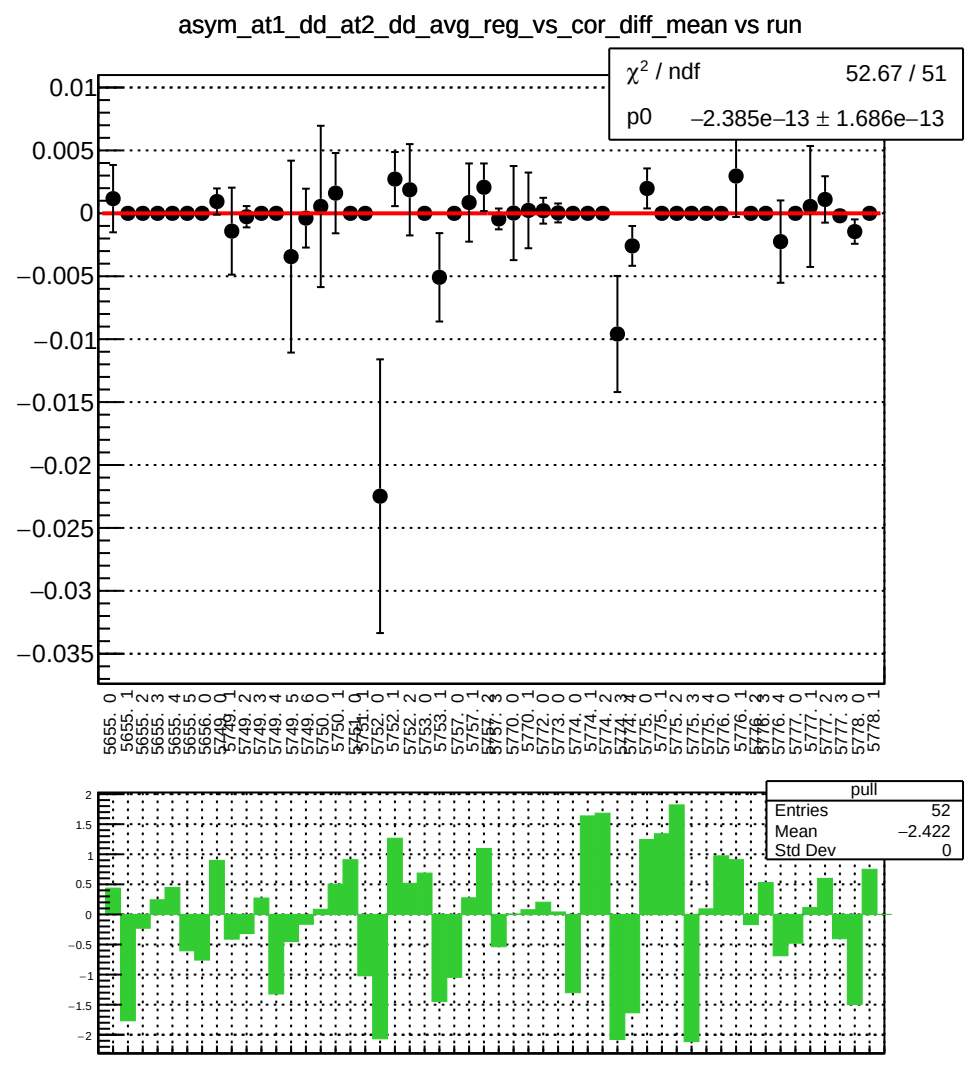

pull1D
Entries 52
Mean 0.01229
Std Dev 1.021
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

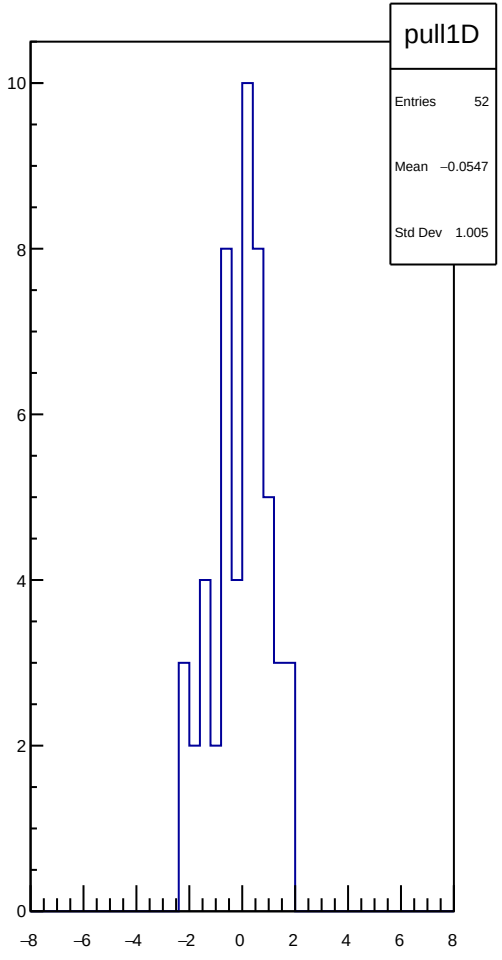

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.092e+05 / 51
p0 1174 ± 1.182
2200
2000
1800
1600
1400
1200
1000
800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

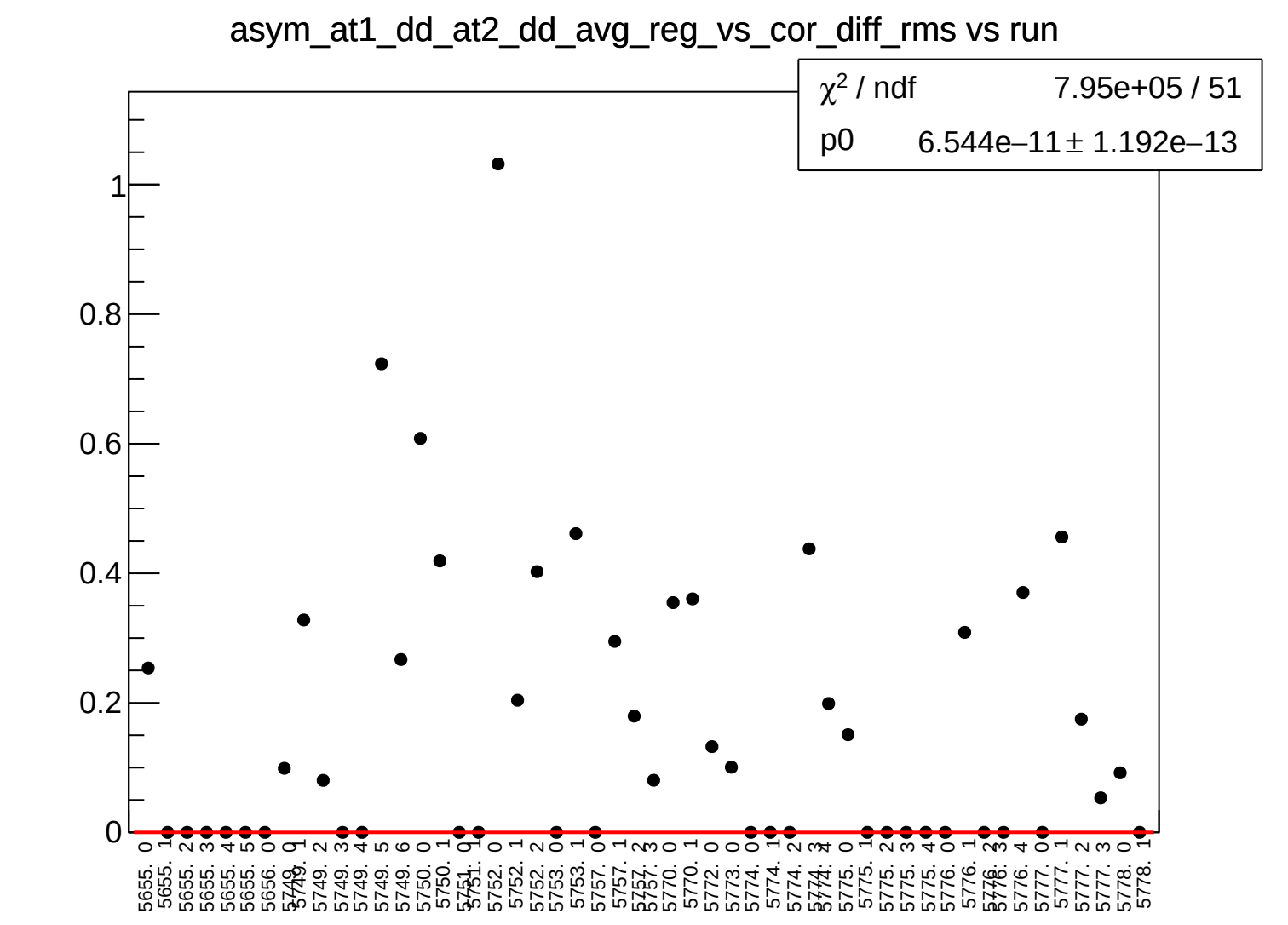

asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 57.47 / 51
p0 −16.42 ± 2552
pull
Entries 52
Mean −1.127e+04
Std Dev 0

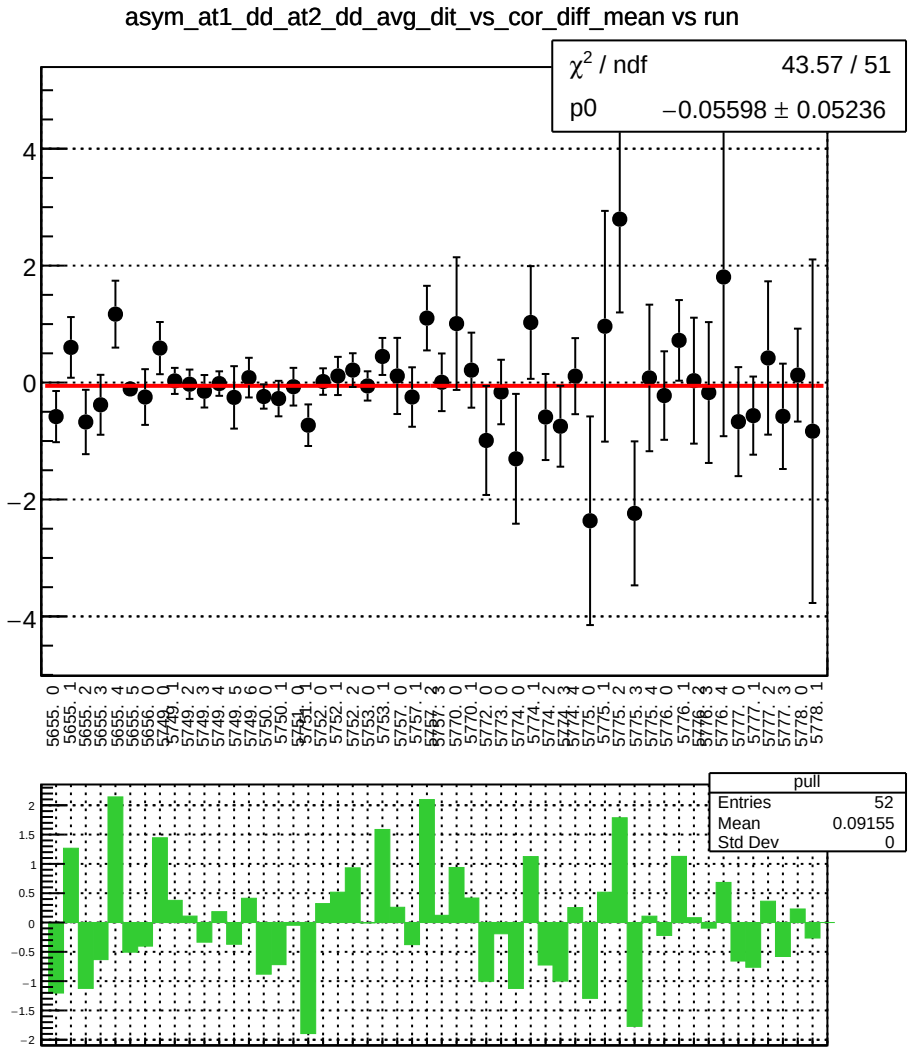

pull1D
Entries 52
Mean 0.0002197
Std Dev 1.051

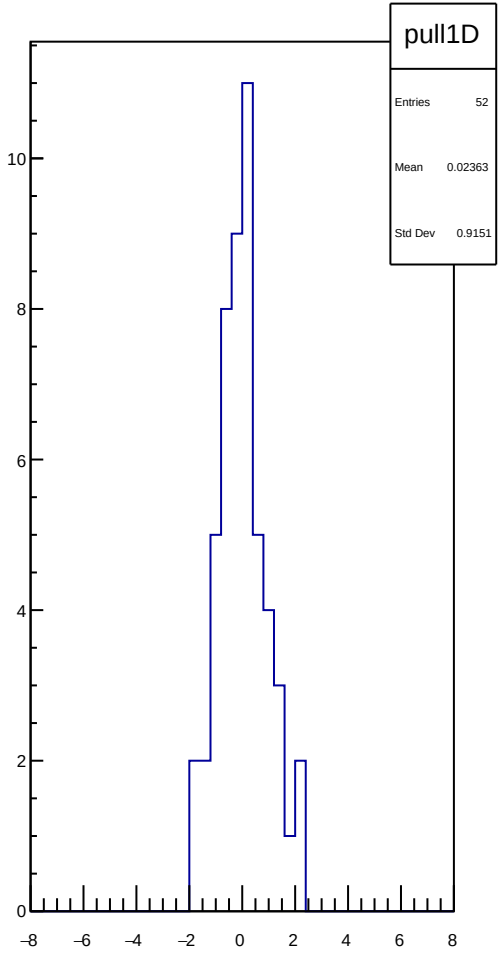

asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 3.197e+04 / 51
p0 1862 ± 1.804
2600
2400
2200
2000
1800
1600
1400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

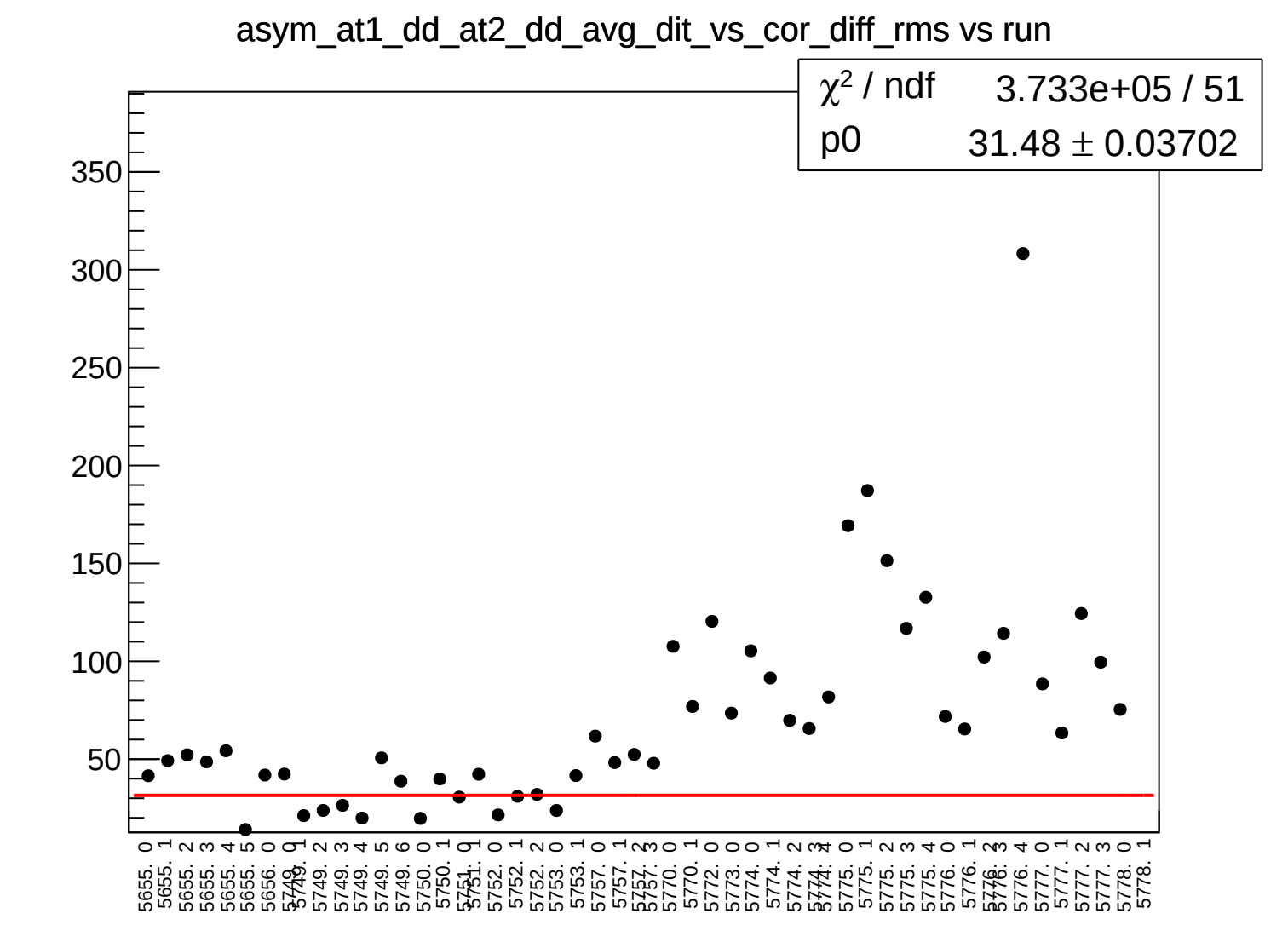

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 52.67 / 51
p0 −2.385e−13 ± 1.686e−13
pull
Entries 52
Mean −2.422
Std Dev 0

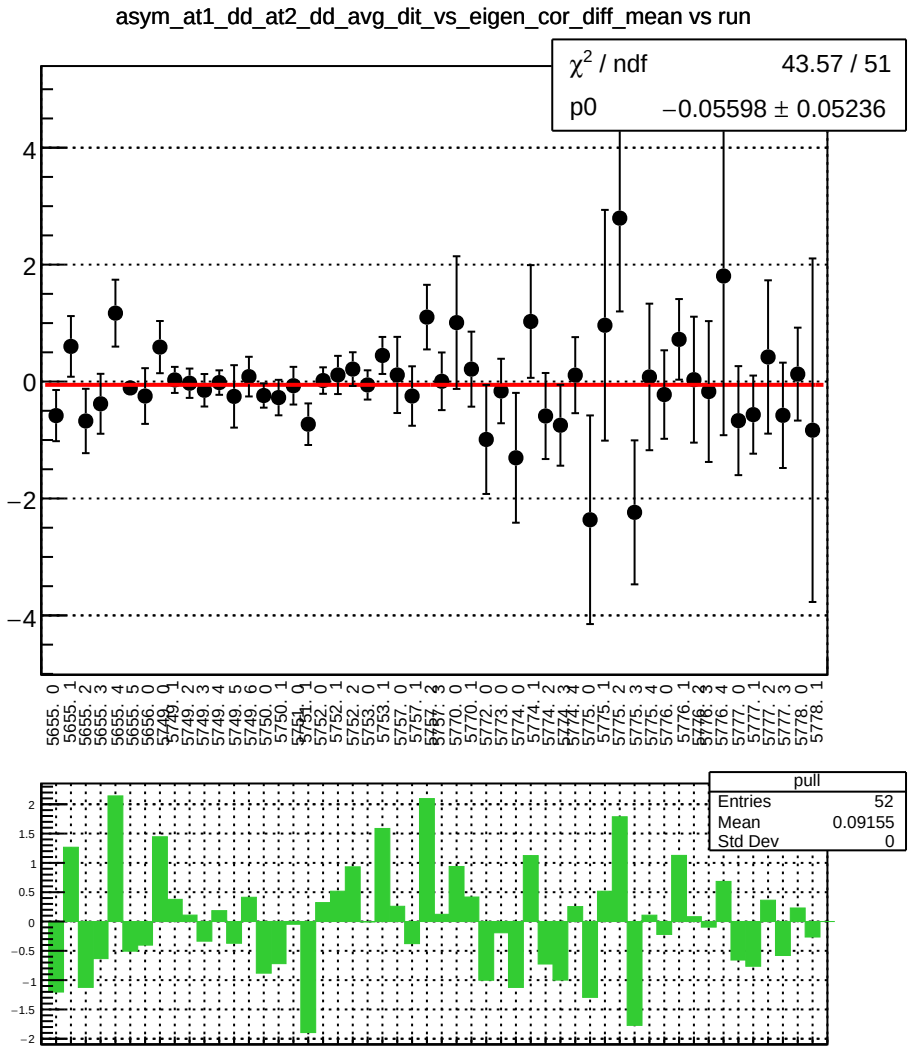

pull1D
Entries 52
Mean −0.0547
Std Dev 1.005

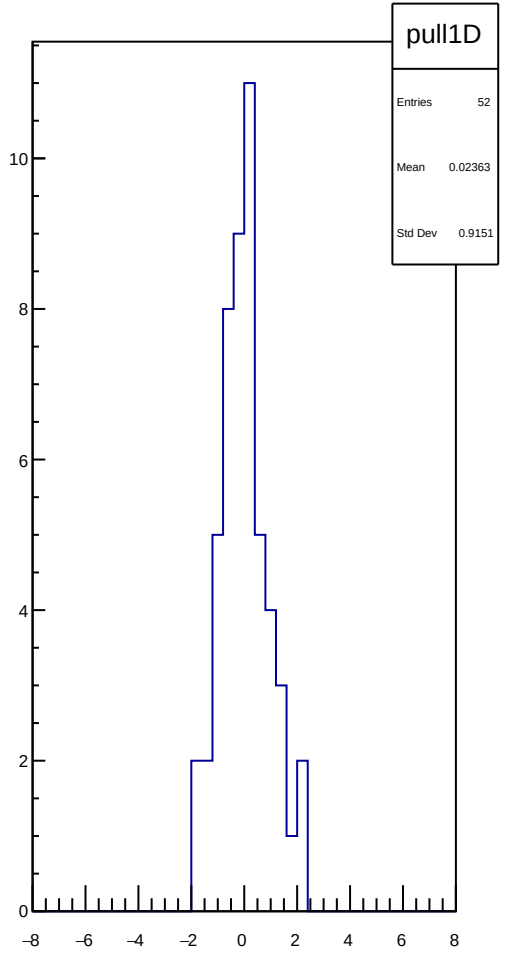

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.95e+05 / 51
p0 6.544e−11 ± 1.192e−13
1
0.8
0.6
0.4
0.2
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

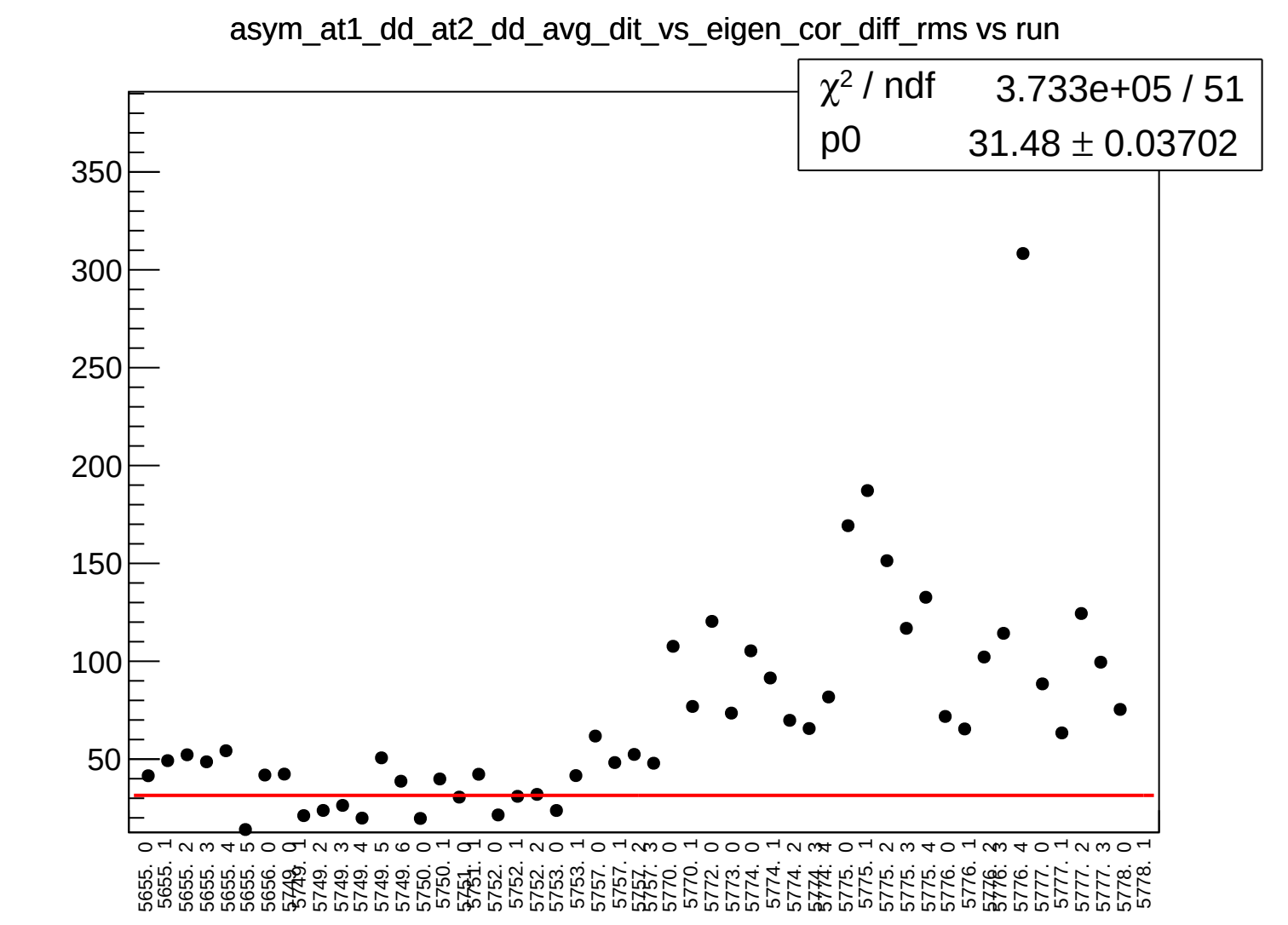

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 43.57 / 51
p0 −0.05598 ± 0.05236
pull
Entries 52
Mean 0.09155
Std Dev 0

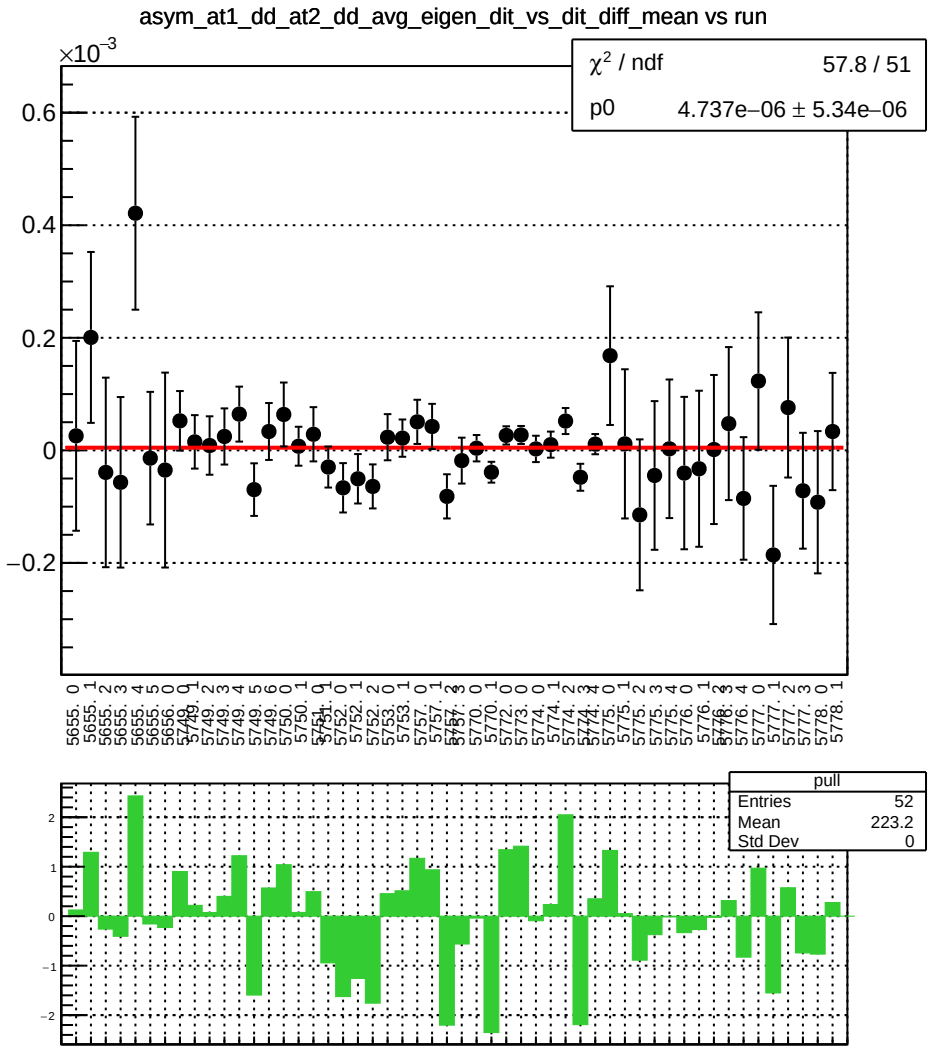

pull1D
Entries 52
Mean 0.02363
Std Dev 0.9151

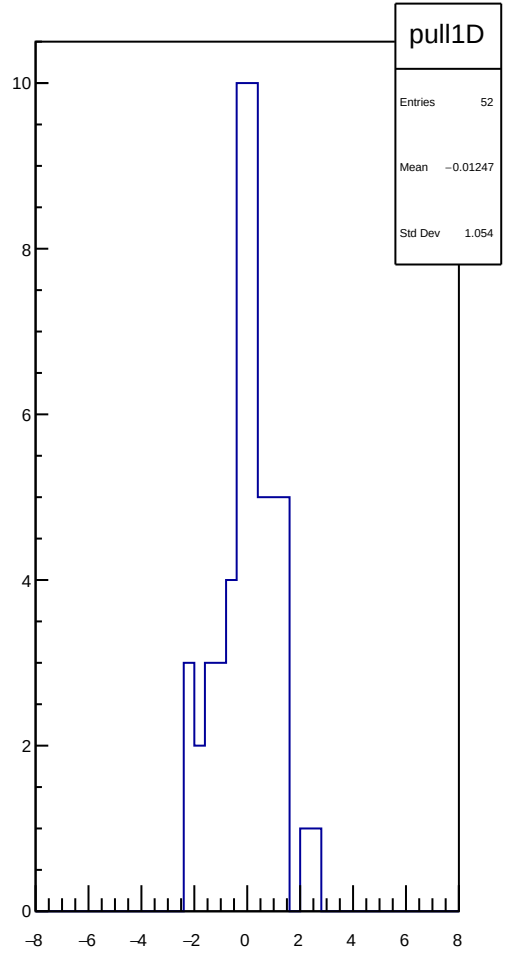

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.733e+05 / 51
p0 31.48 ± 0.03702
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

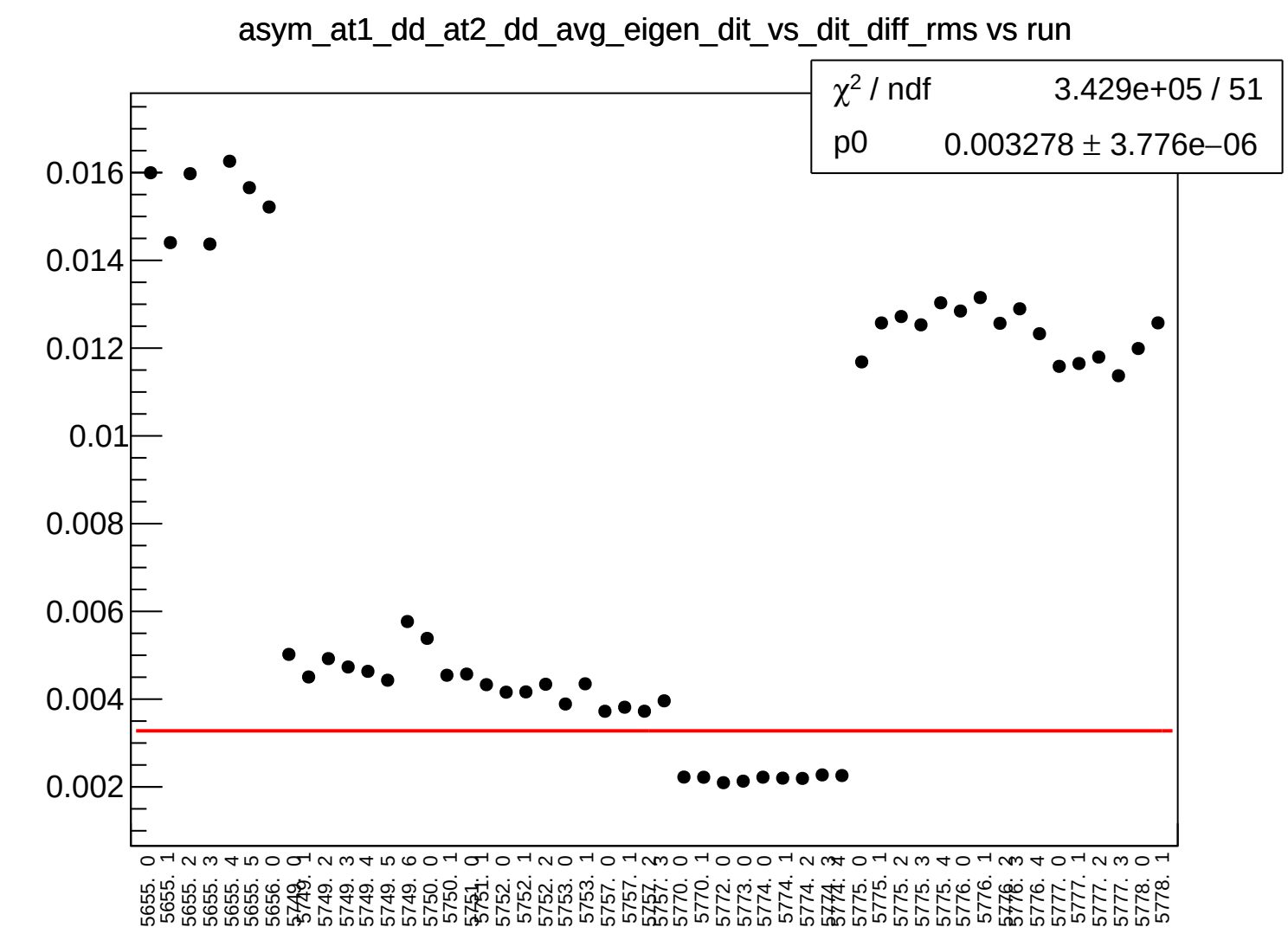

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.57 / 51
p0 −0.05598 ± 0.05236
pull
Entries 52
Mean 0.09155
Std Dev 0

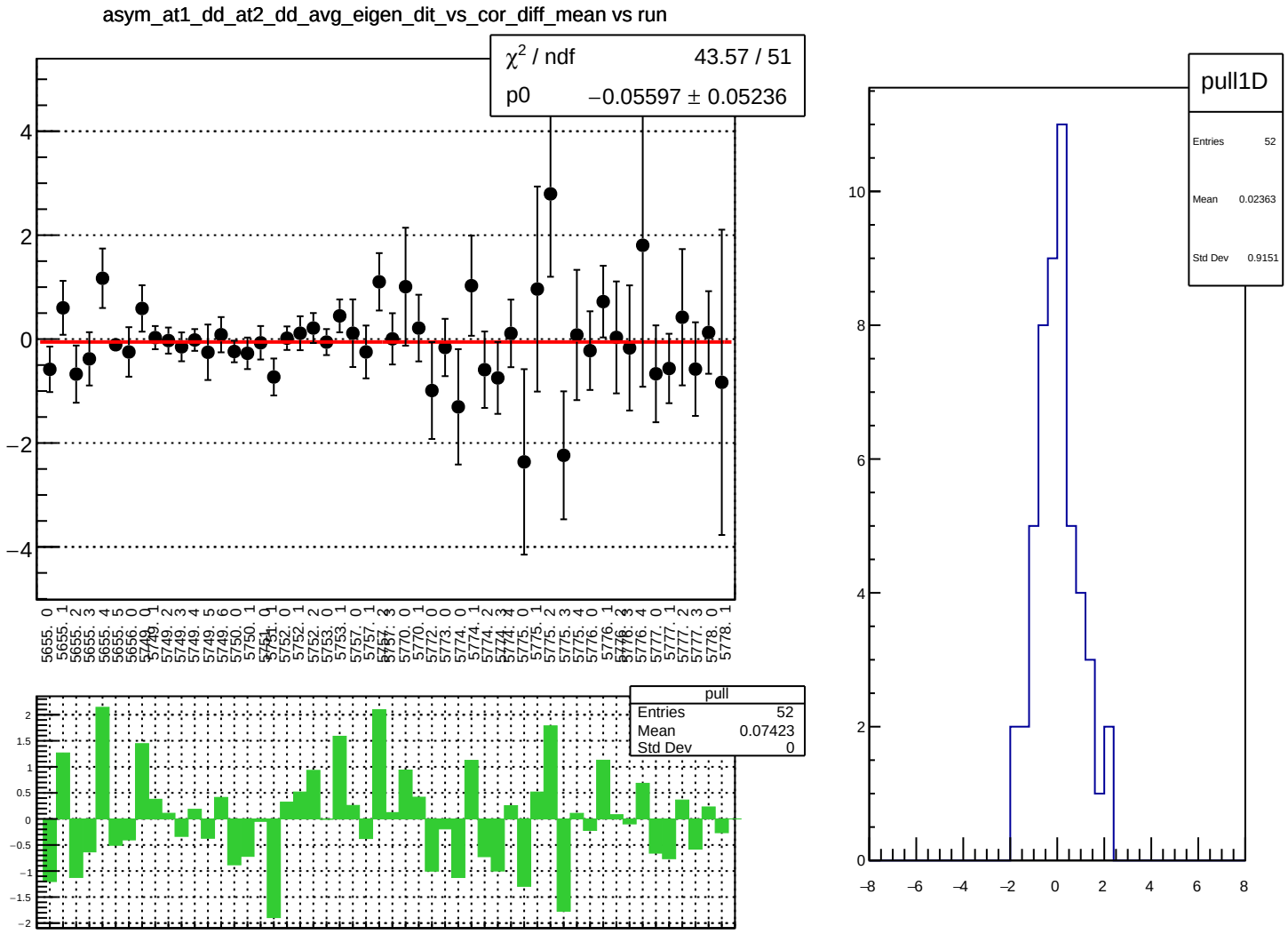

pull1D
Entries 52
Mean 0.02363
Std Dev 0.9151

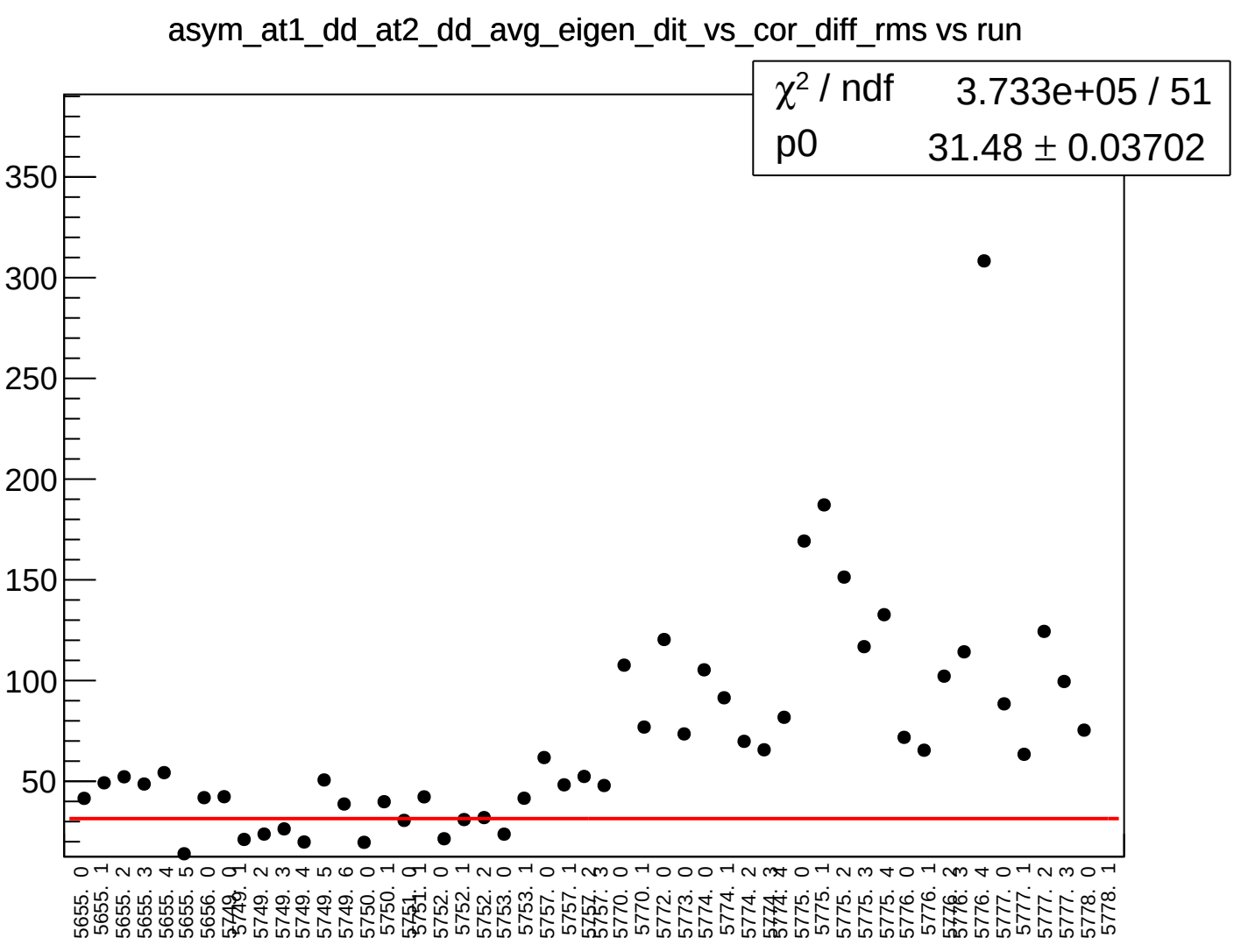

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.733e+05 / 51
p0 31.48 ± 0.03702
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

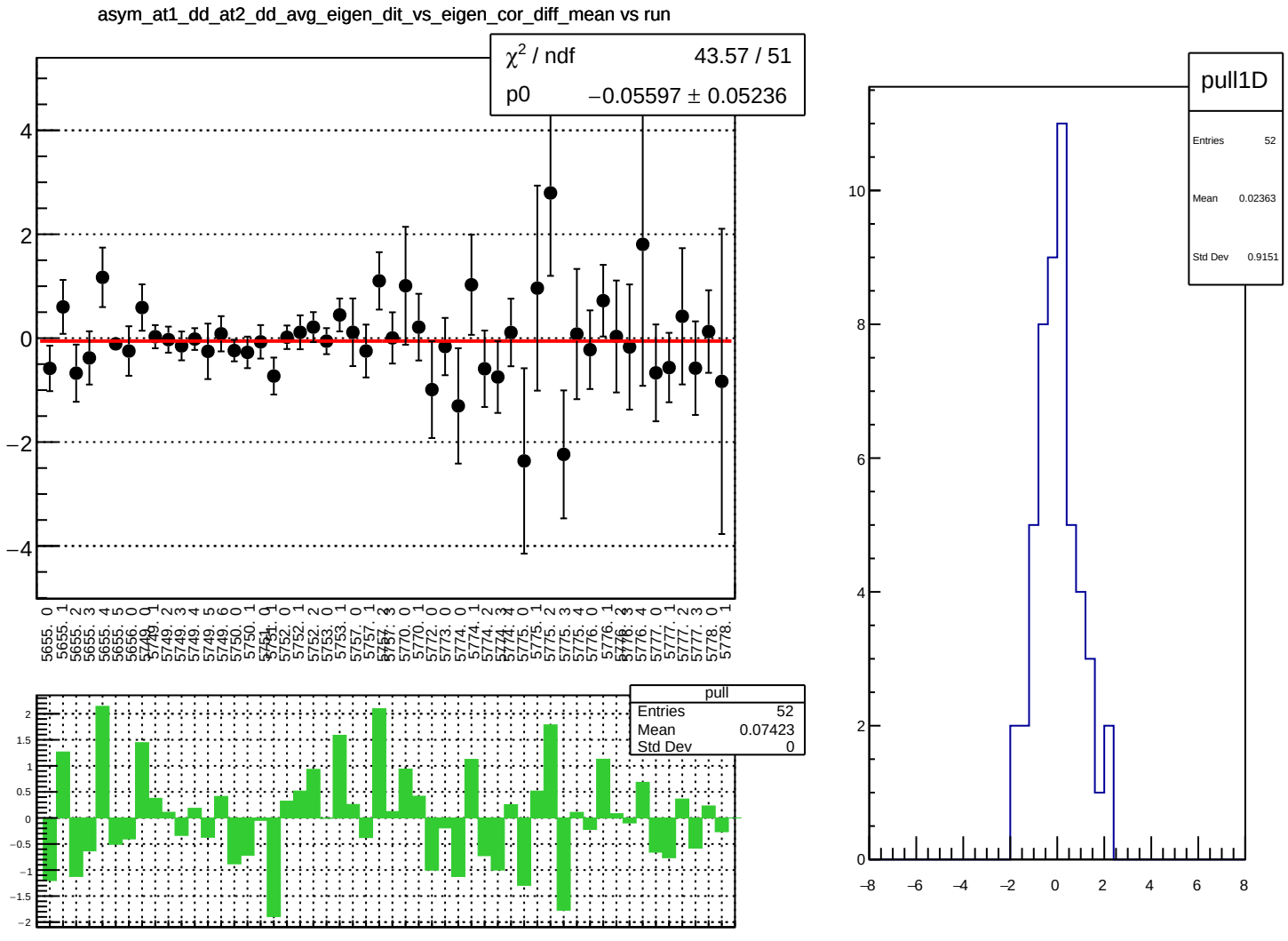

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 57.8 / 51
p0 4.737e−06 ± 5.34e−06
pull
Entries 52
Mean 223.2
Std Dev 0

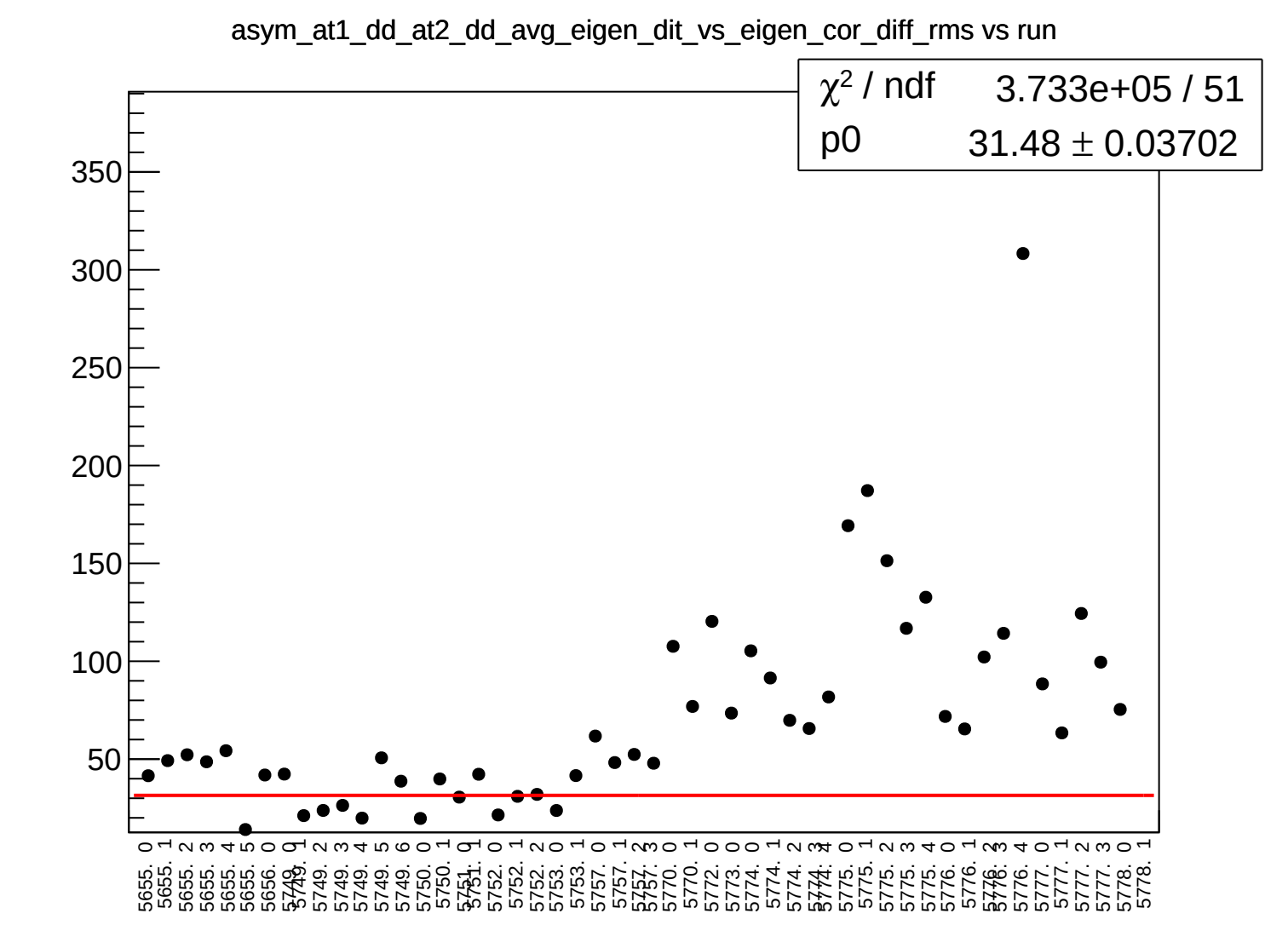

pull1D
Entries 52
Mean −0.01247
Std Dev 1.054


asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.429e+05 / 51
p0 0.003278 ± 3.776e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 43.57 / 51
p0 −0.05597 ± 0.05236
pull
Entries 52
Mean 0.07423
Std Dev 0
pull1D
Entries 52
Mean 0.02363
Std Dev 0.9151


asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.733e+05 / 51
p0 31.48 ± 0.03702
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.57 / 51
p0 −0.05597 ± 0.05236
pull
Entries 52
Mean 0.07423
Std Dev 0
pull1D
Entries 52
Mean 0.02363
Std Dev 0.9151


asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.733e+05 / 51
p0 31.48 ± 0.03702
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
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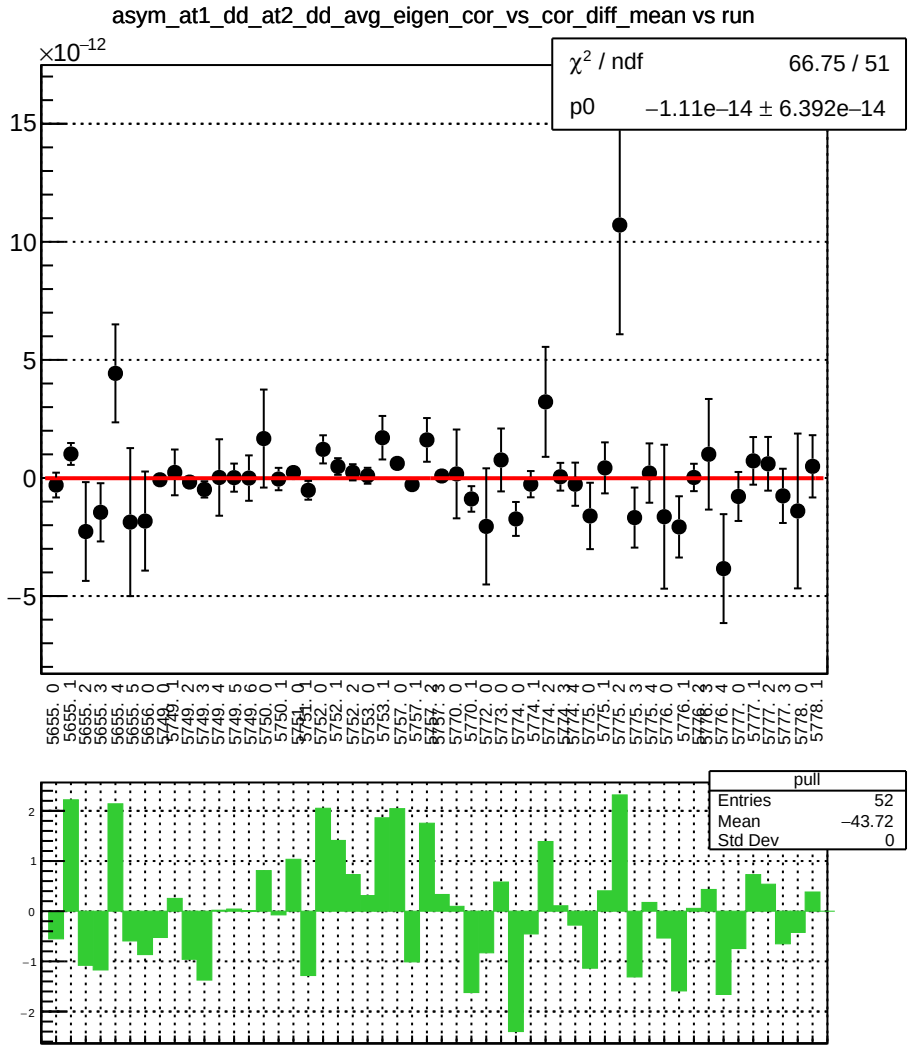
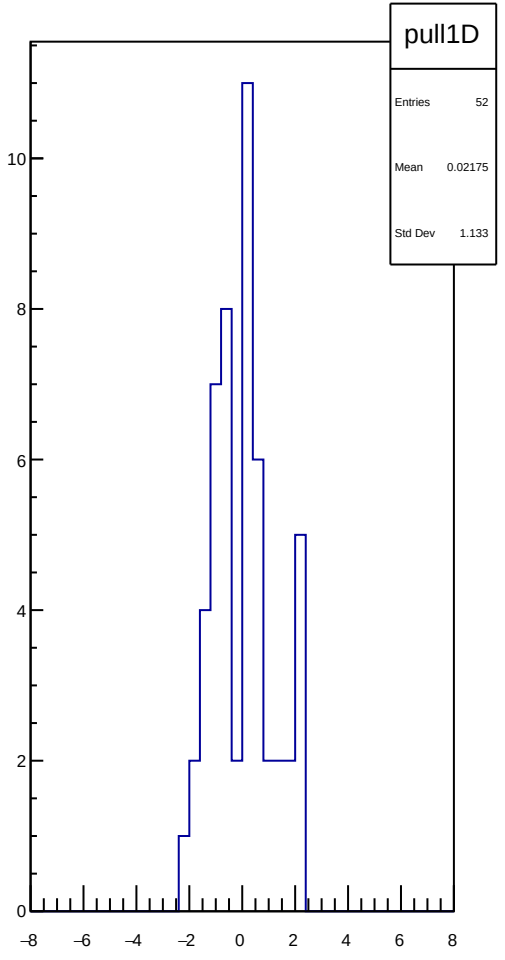
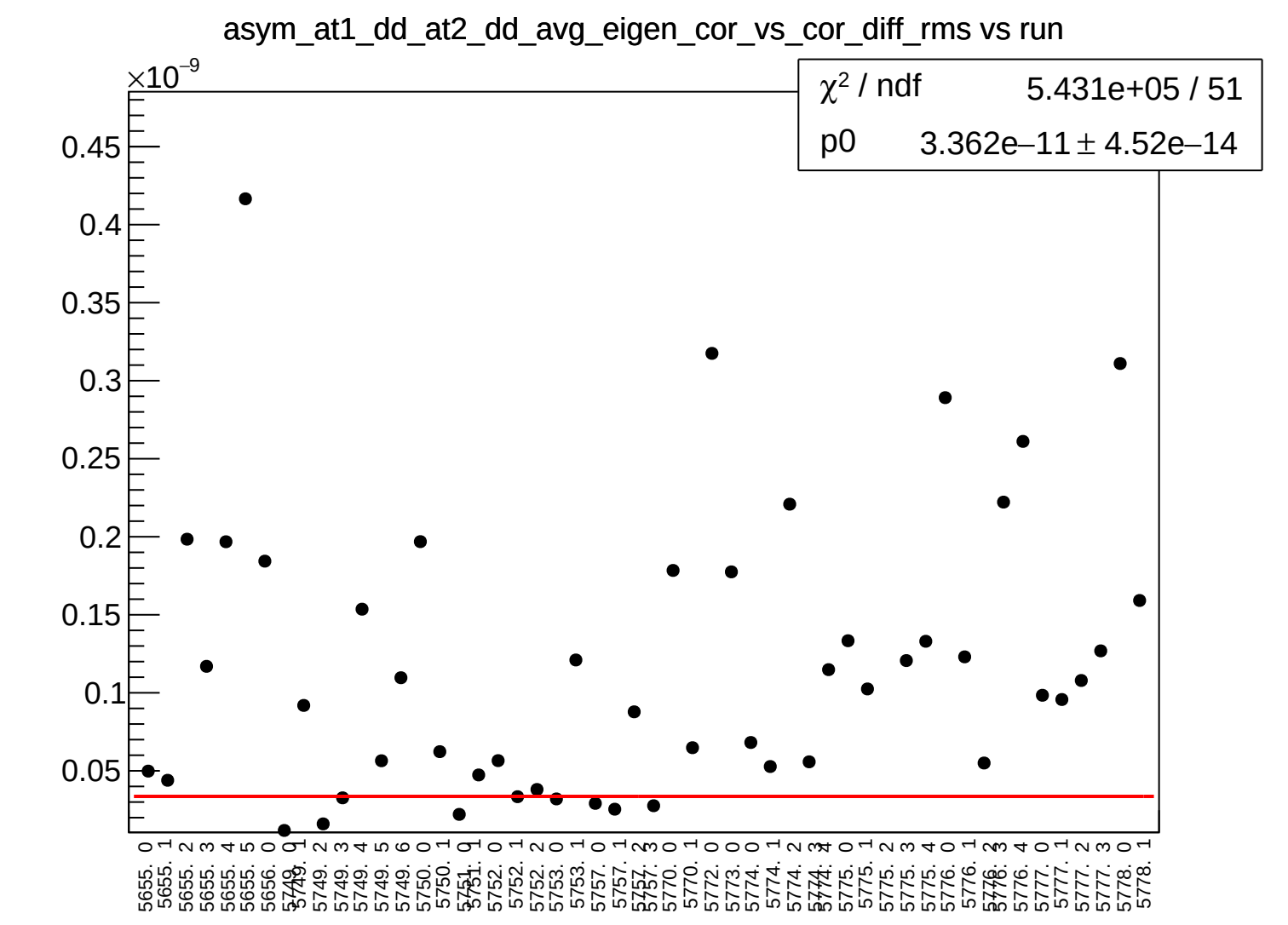
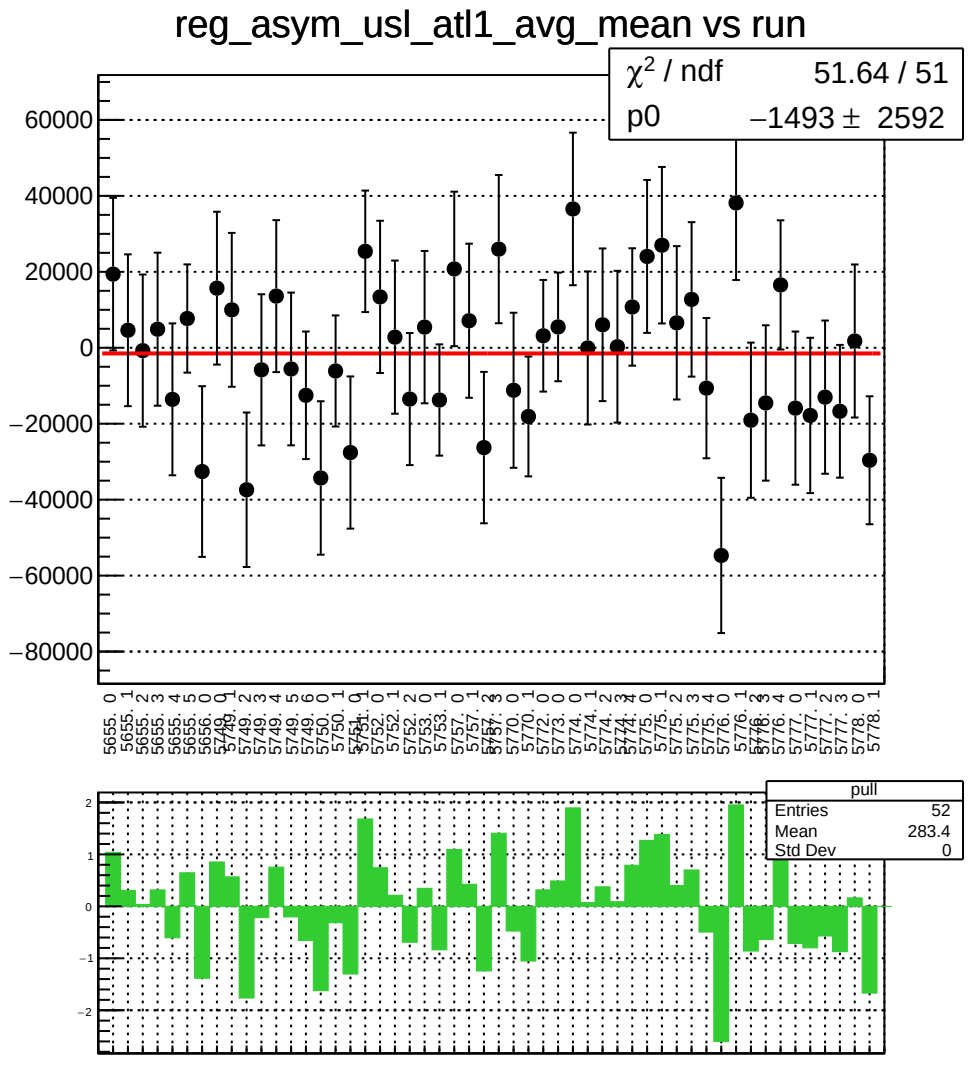
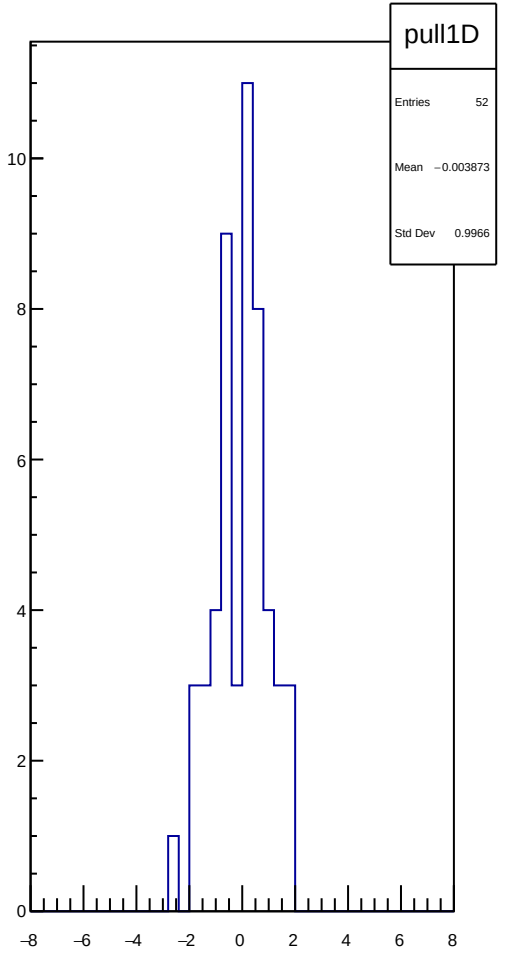
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

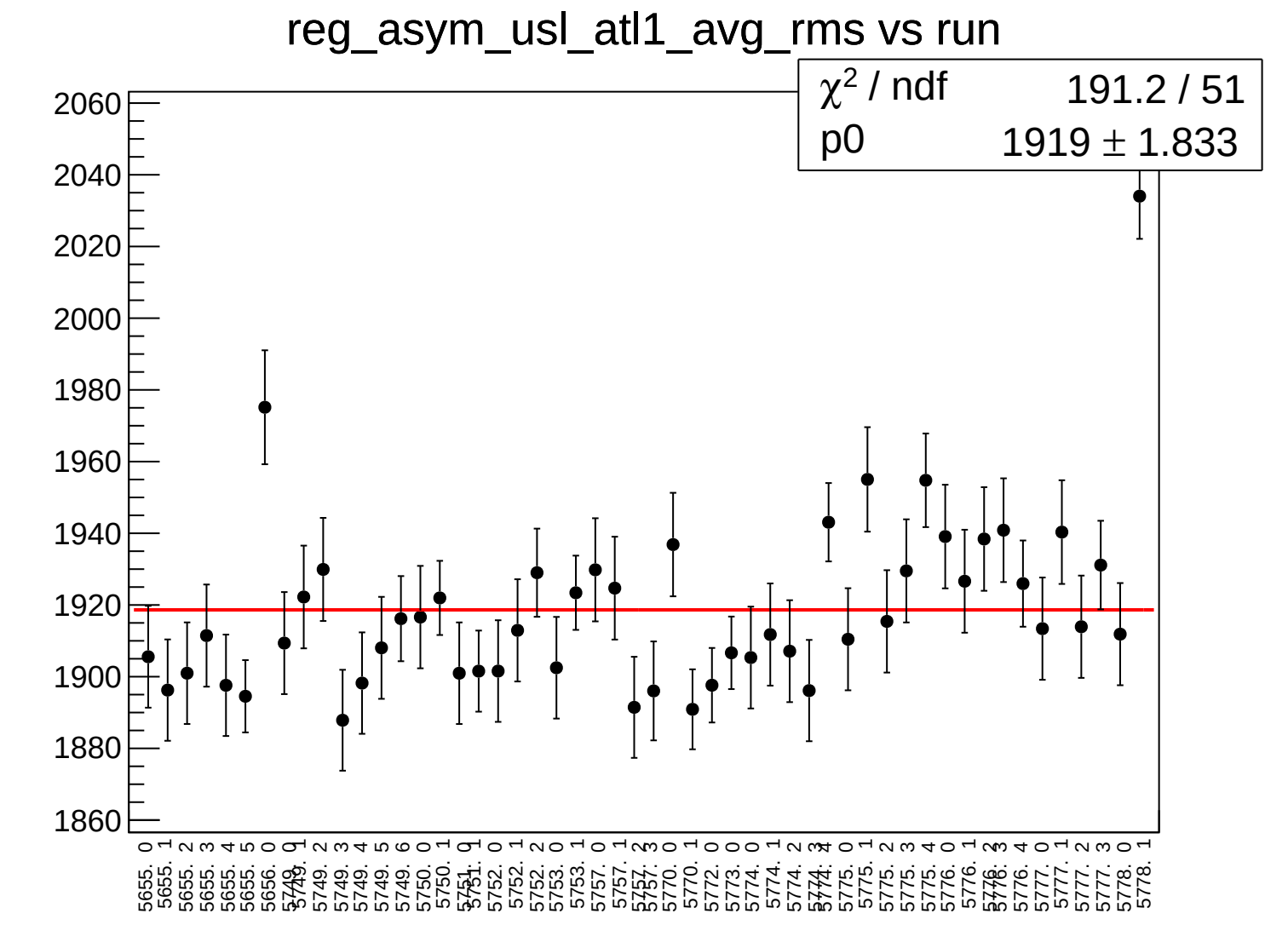

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 66.75 / 51
p0 −1.11e−14 ± 6.392e−14
pull
Entries 52
Mean −43.72
Std Dev 0

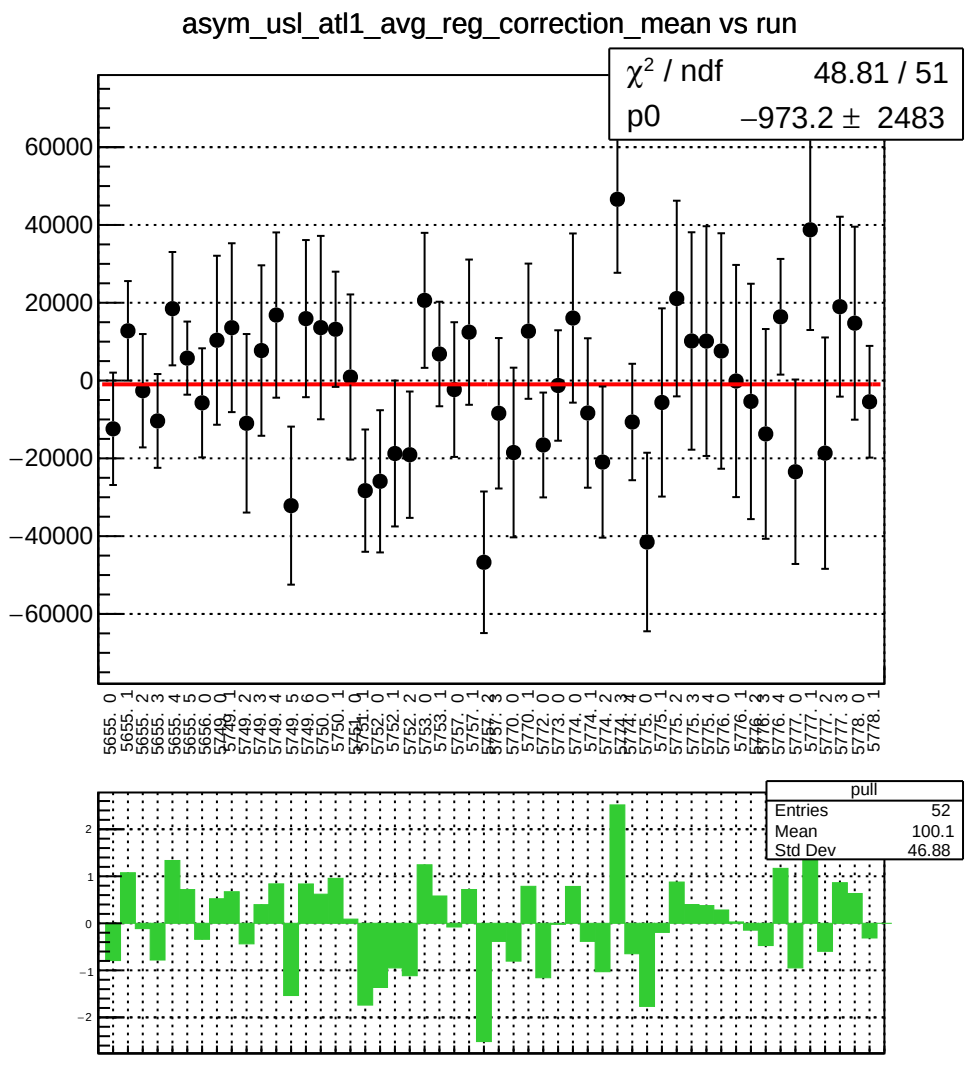

pull1D
Entries 52
Mean 0.02175
Std Dev 1.133

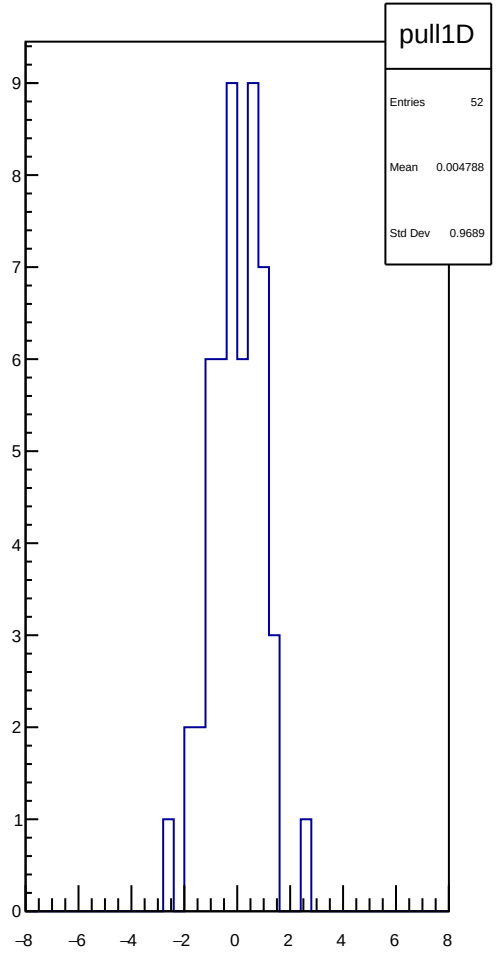

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.431e+05 / 51
p0 3.362e−11 ± 4.52e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

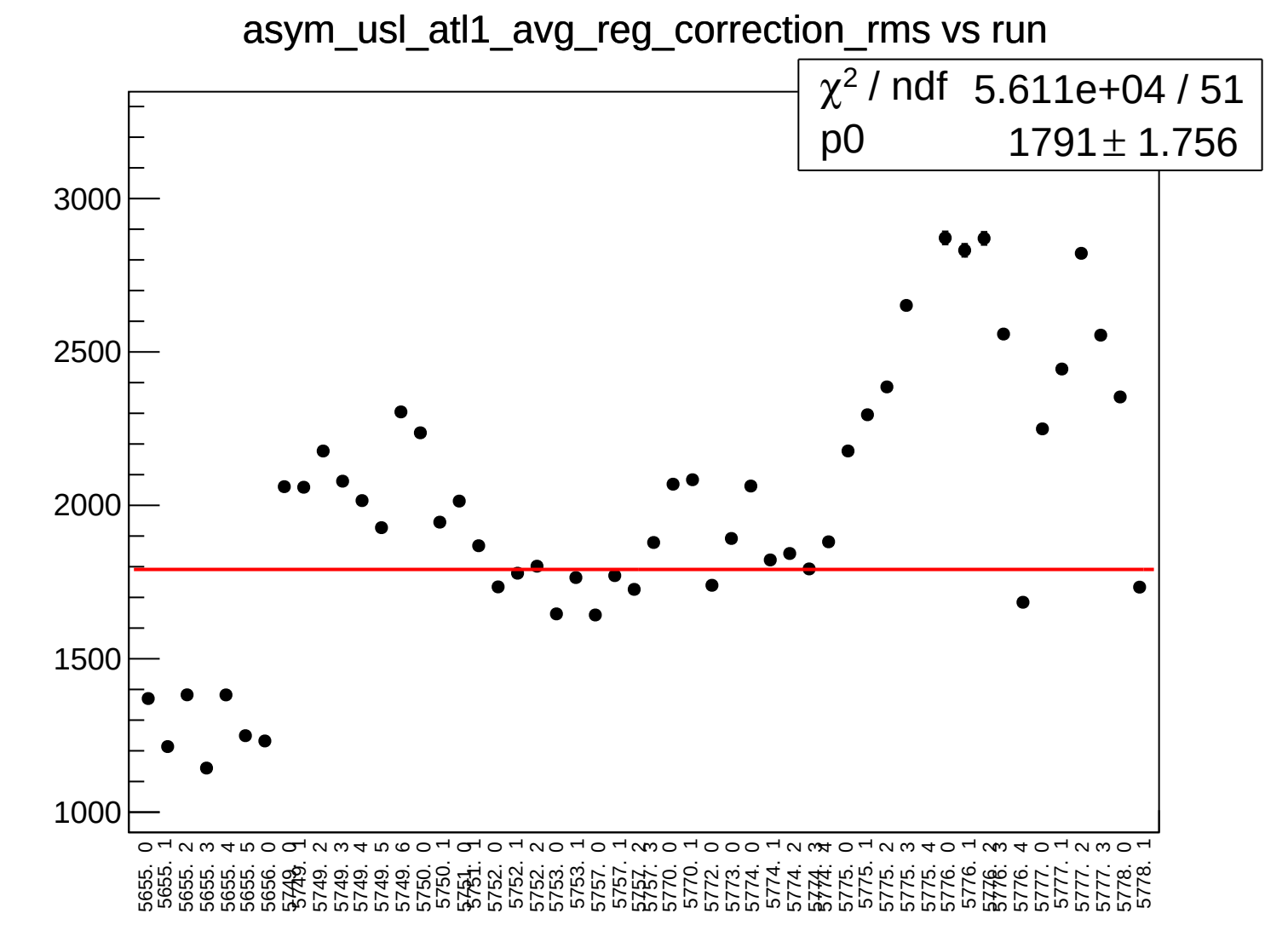

reg_asym_usl_atl1_avg_mean vs run
χ² / ndf 51.64 / 51
p0 −1493 ± 2592
pull
Entries 52
Mean 283.4
Std Dev 0

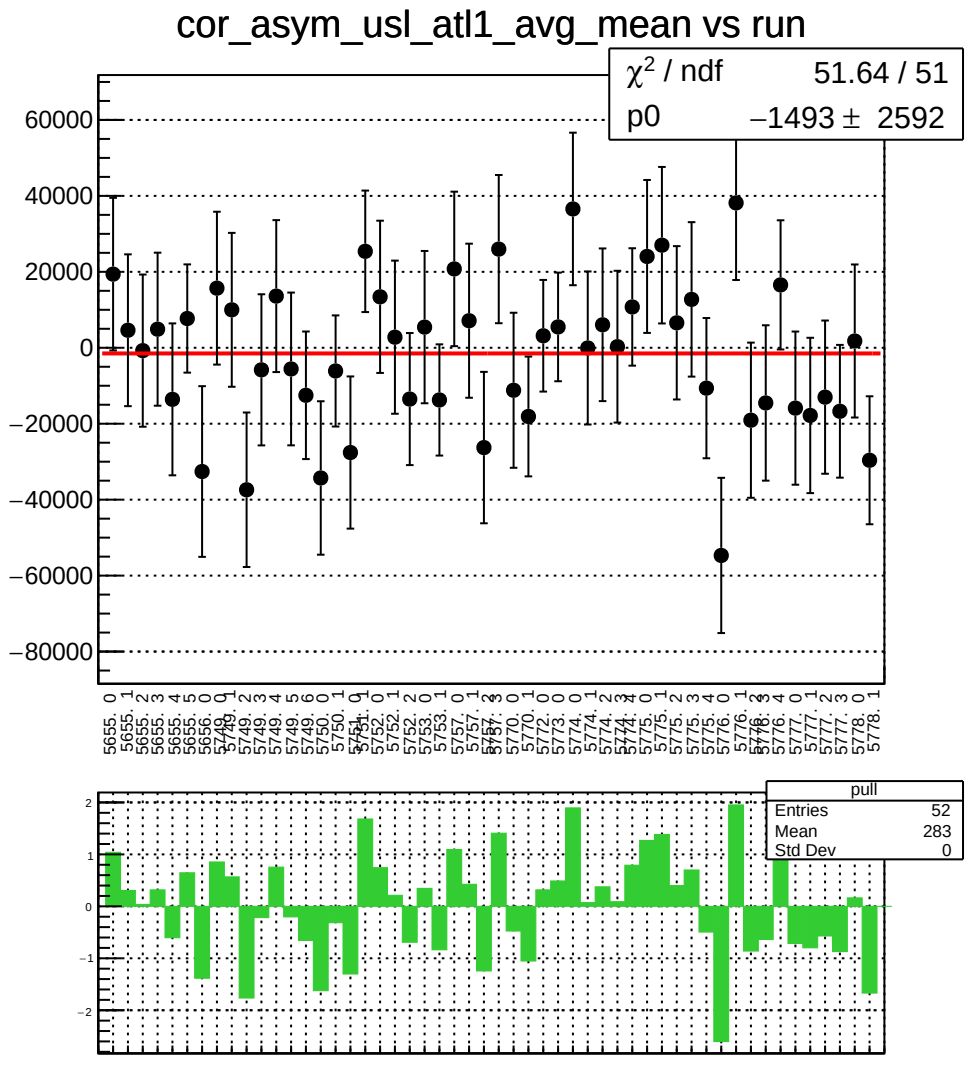

pull1D
Entries 52
Mean −0.003873
Std Dev 0.9966

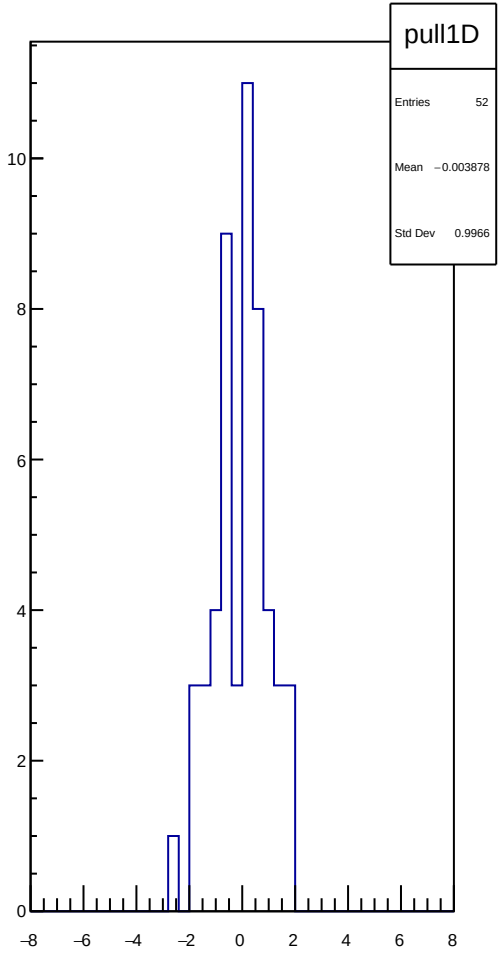

reg_asym_usl_atl1_avg_rms vs run
χ² / ndf 191.2 / 51
p0 1919 ± 1.833
2060
2040
2020
2000
1980
1960
1940
1920
1900
1880
1860
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

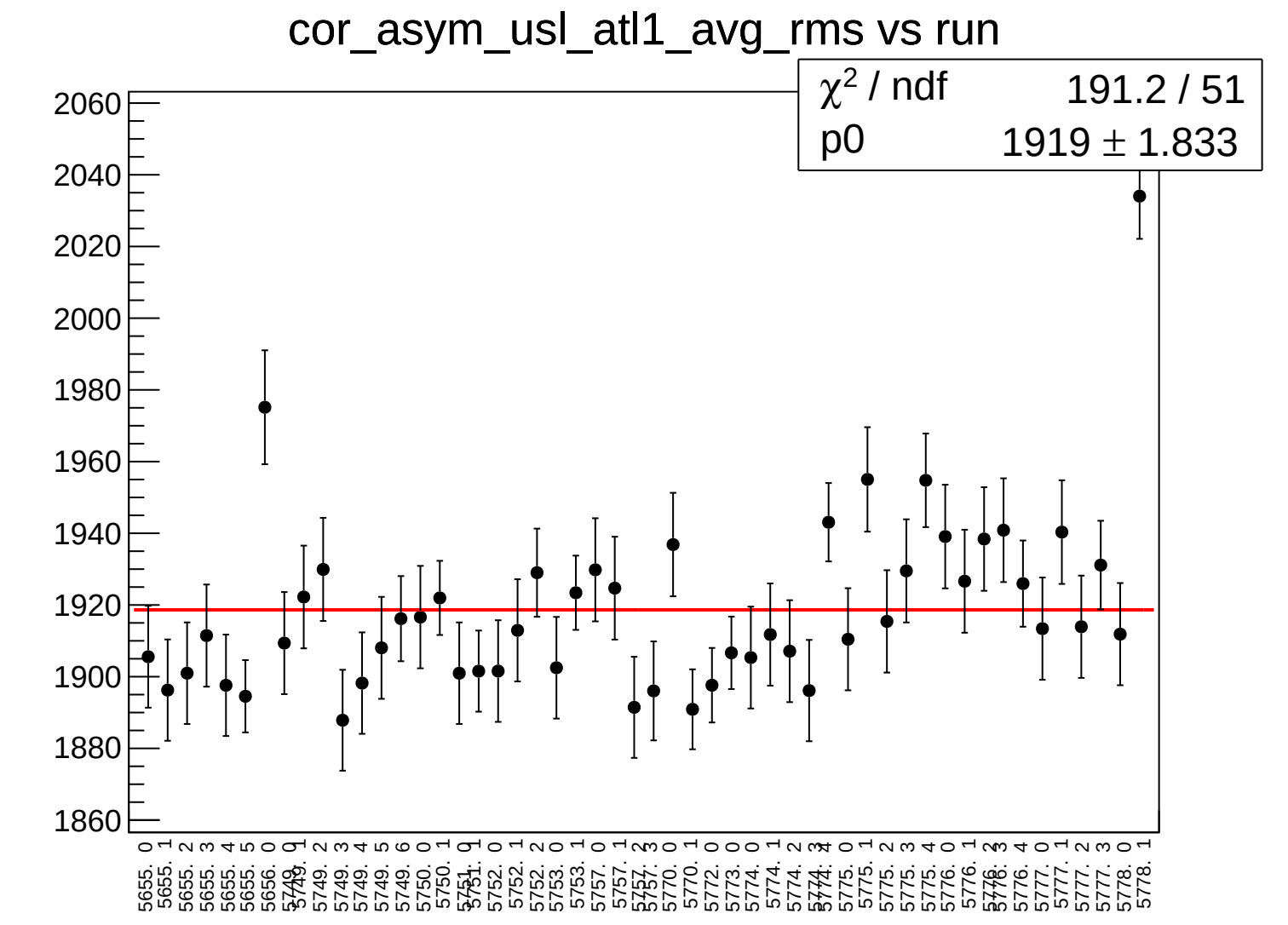

asym_usl_atl1_avg_reg_correction_mean vs run
χ² / ndf 48.81 / 51
p0 −973.2 ± 2483
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 100.1
Std Dev 46.88
2
1
0
−1
−2

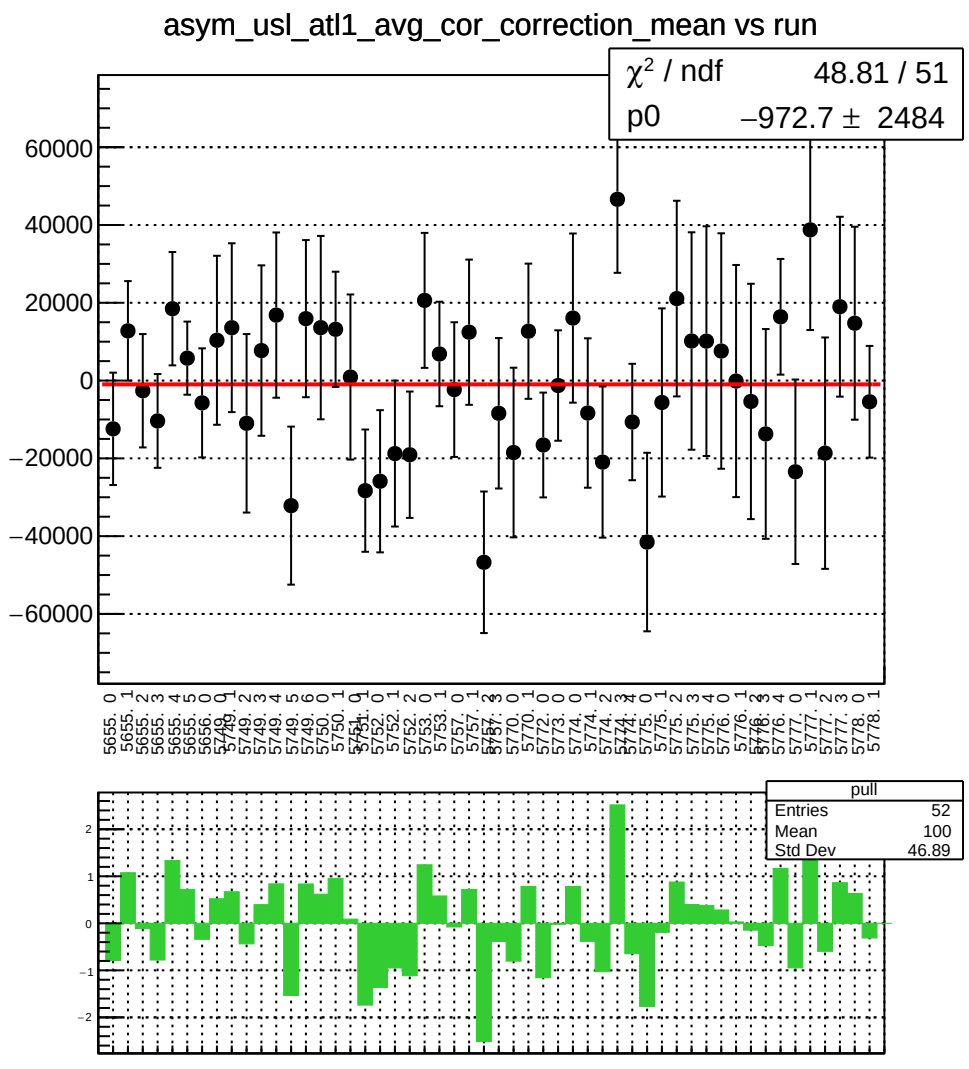

pull1D
Entries 52
Mean 0.004788
Std Dev 0.9689
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

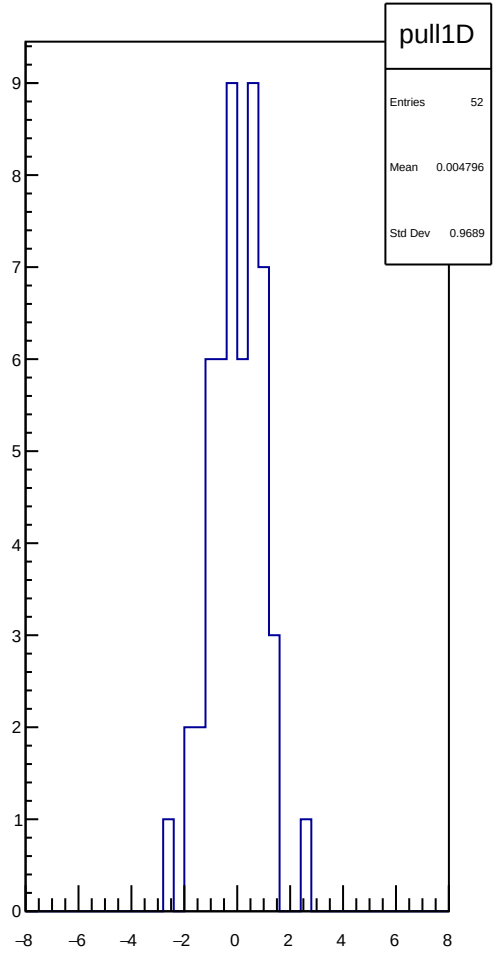

asym_usl_atl1_avg_reg_correction_rms vs run
χ² / ndf 5.611e+04 / 51
p0 1791 ± 1.756
3000
2500
2000
1500
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

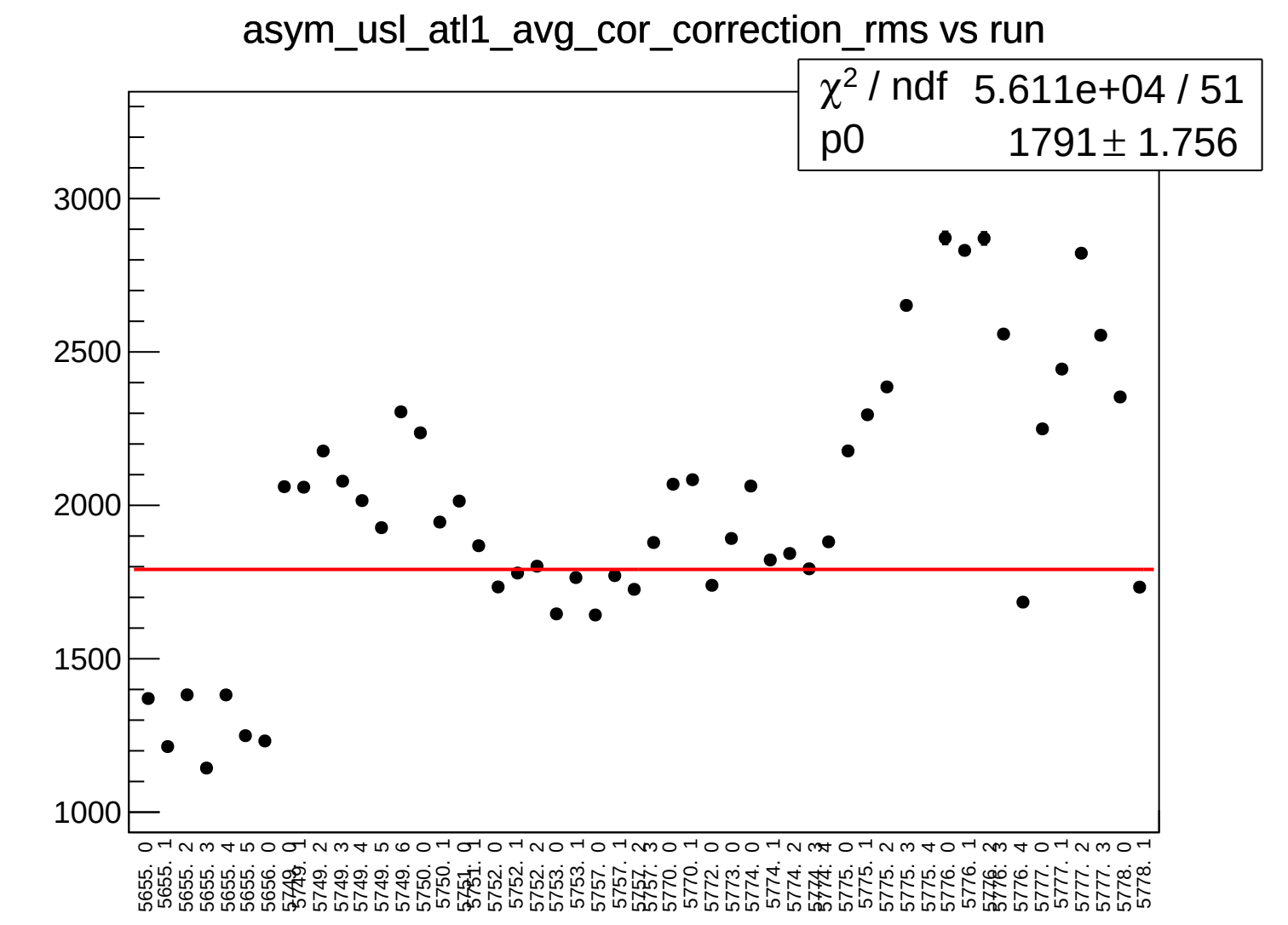

cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 51.64 / 51
p0 −1493 ± 2592
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean 283
Std Dev 0
2
1
0
−1
−2

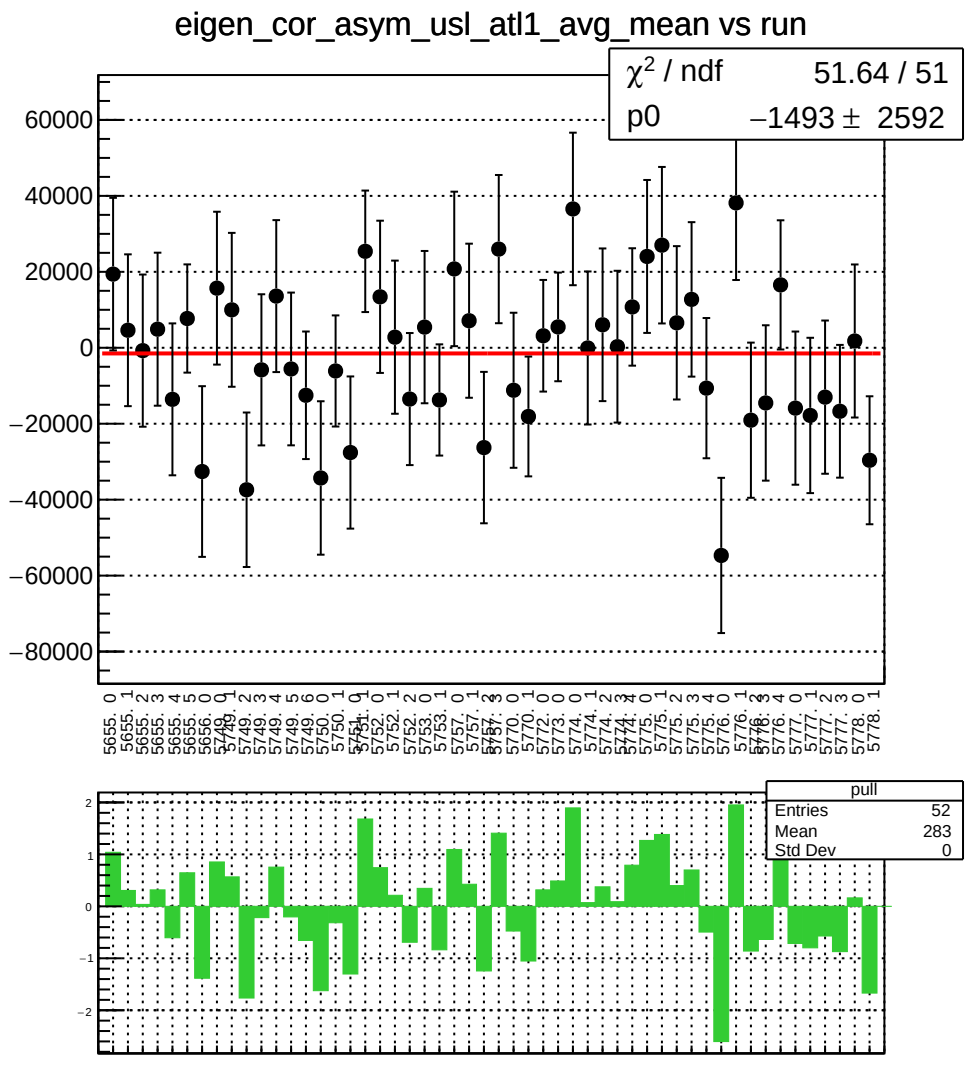

pull1D
Entries 52
Mean −0.003878
Std Dev 0.9966
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

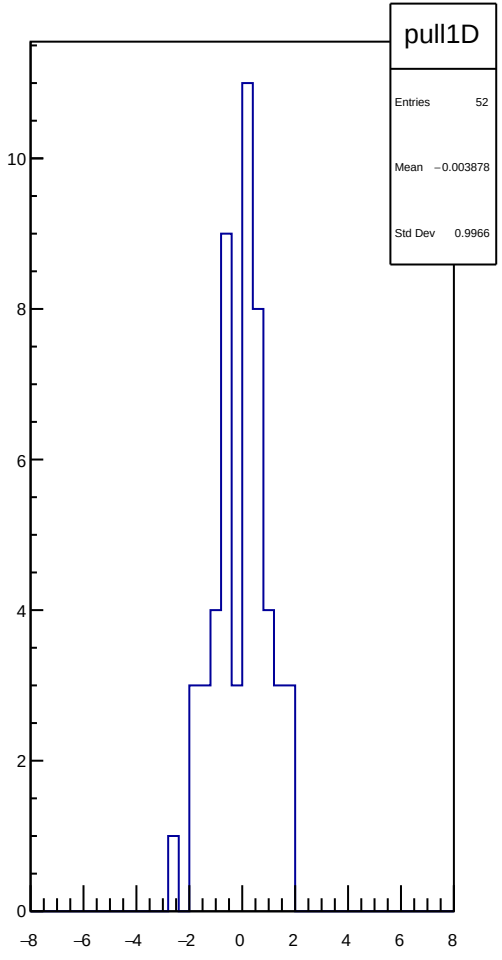

cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 191.2 / 51
p0 1919 ± 1.833
2060
2040
2020
2000
1980
1960
1940
1920
1900
1880
1860
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

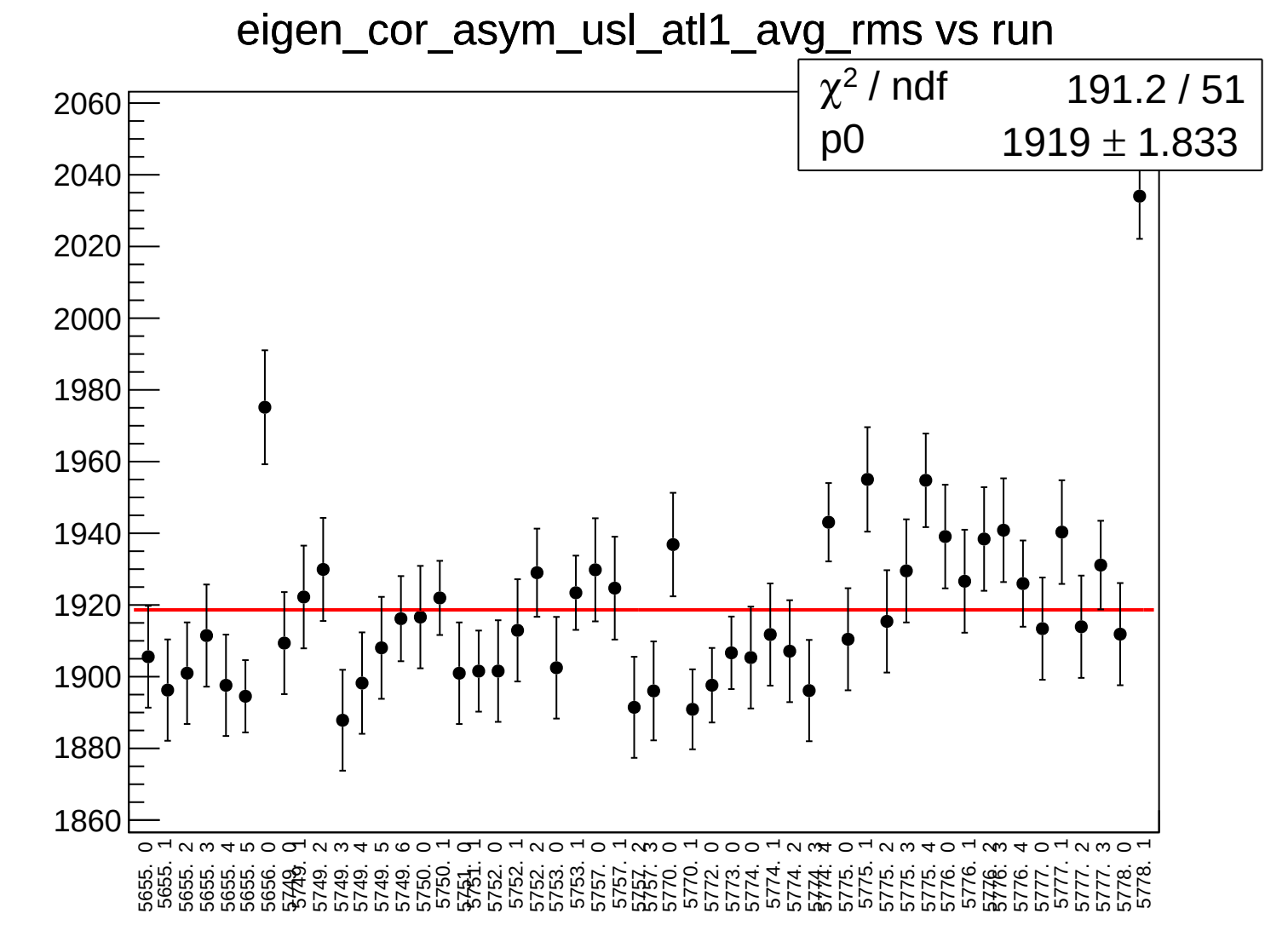

asym_usl_atl1_avg_cor_correction_mean vs run
χ² / ndf 48.81 / 51
p0 −972.7 ± 2484
pull
Entries 52
Mean 100
Std Dev 46.89


pull1D
Entries 52
Mean 0.004796
Std Dev 0.9689


asym_usl_atl1_avg_cor_correction_rms vs run
χ² / ndf 5.611e+04 / 51
p0 1791 ± 1.756
3000
2500
2000
1500
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 51.64 / 51
p0 −1493 ± 2592
pull
Entries 52
Mean 283
Std Dev 0


pull1D
Entries 52
Mean −0.003878
Std Dev 0.9966


eigen_cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 191.2 / 51
p0 1919 ± 1.833
2060
2040
2020
2000
1980
1960
1940
1920
1900
1880
1860
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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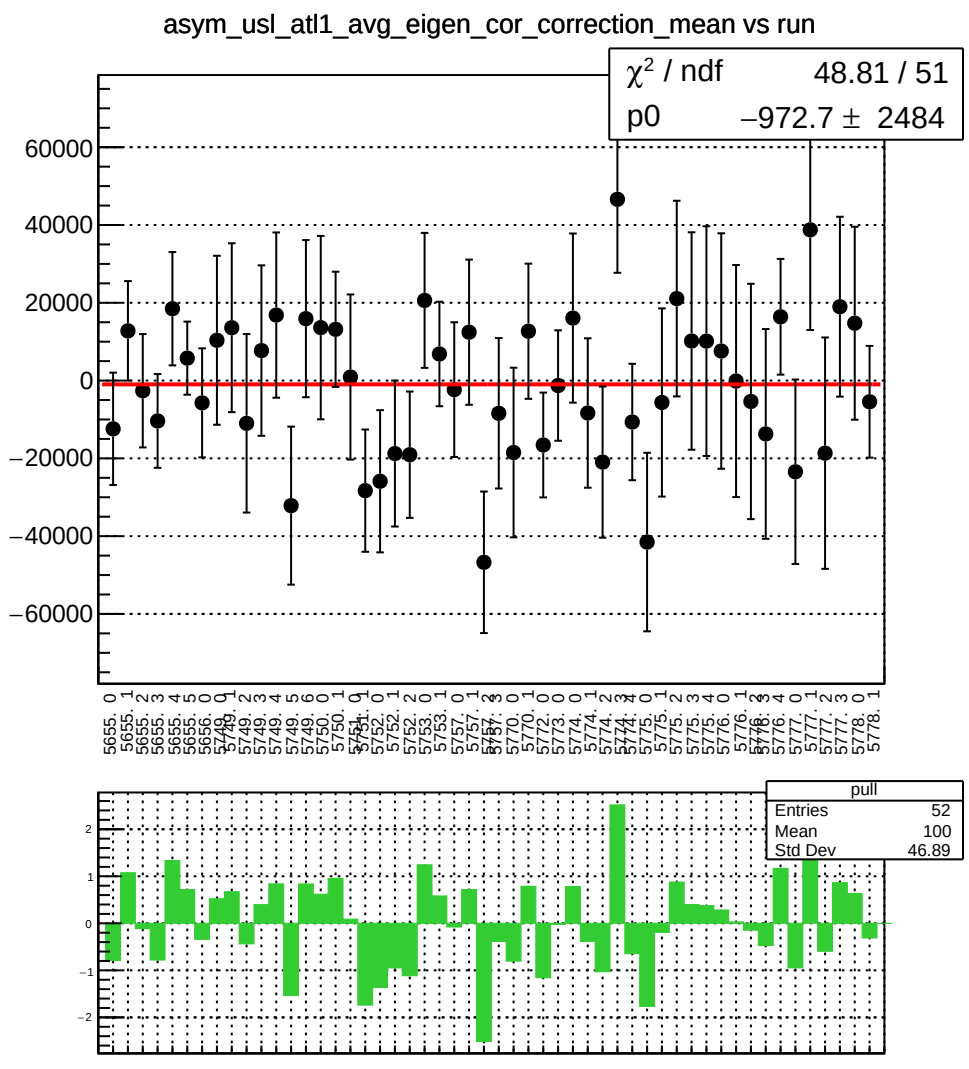
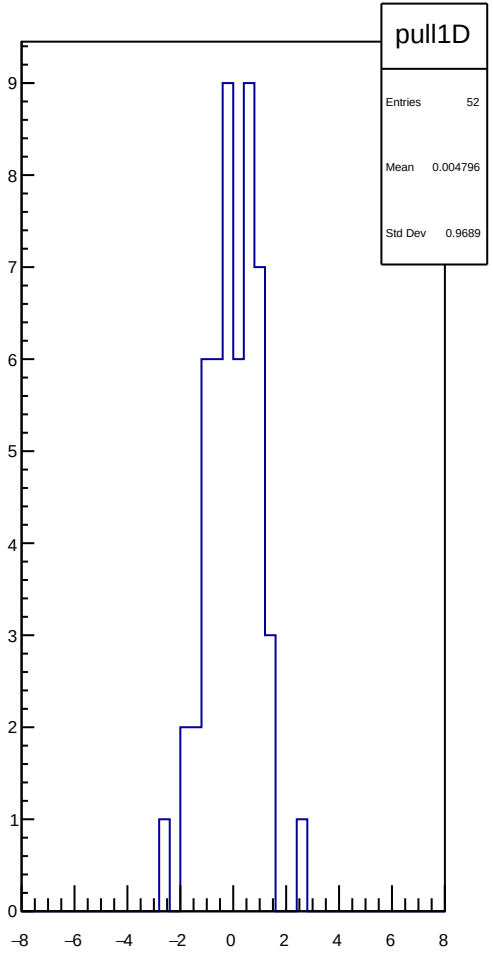
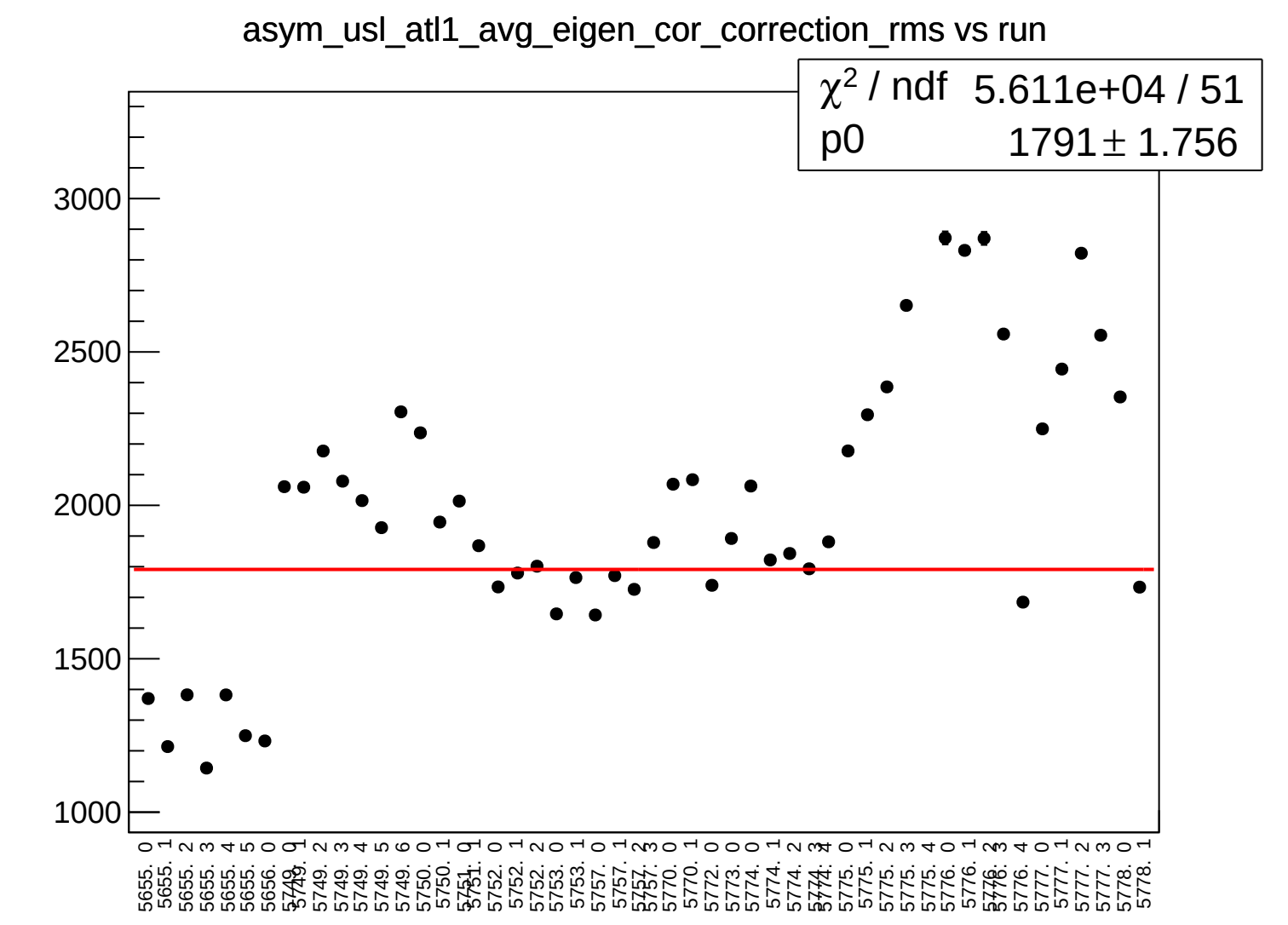
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usl_atl1_avg_eigen_cor_correction_mean vs run
χ² / ndf 48.81 / 51
p0 −972.7 ± 2484
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 100
Std Dev 46.89
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.004796
Std Dev 0.9689
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl1_avg_eigen_cor_correction_rms vs run
χ² / ndf 5.611e+04 / 51
p0 1791 ± 1.756
3000
2500
2000
1500
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
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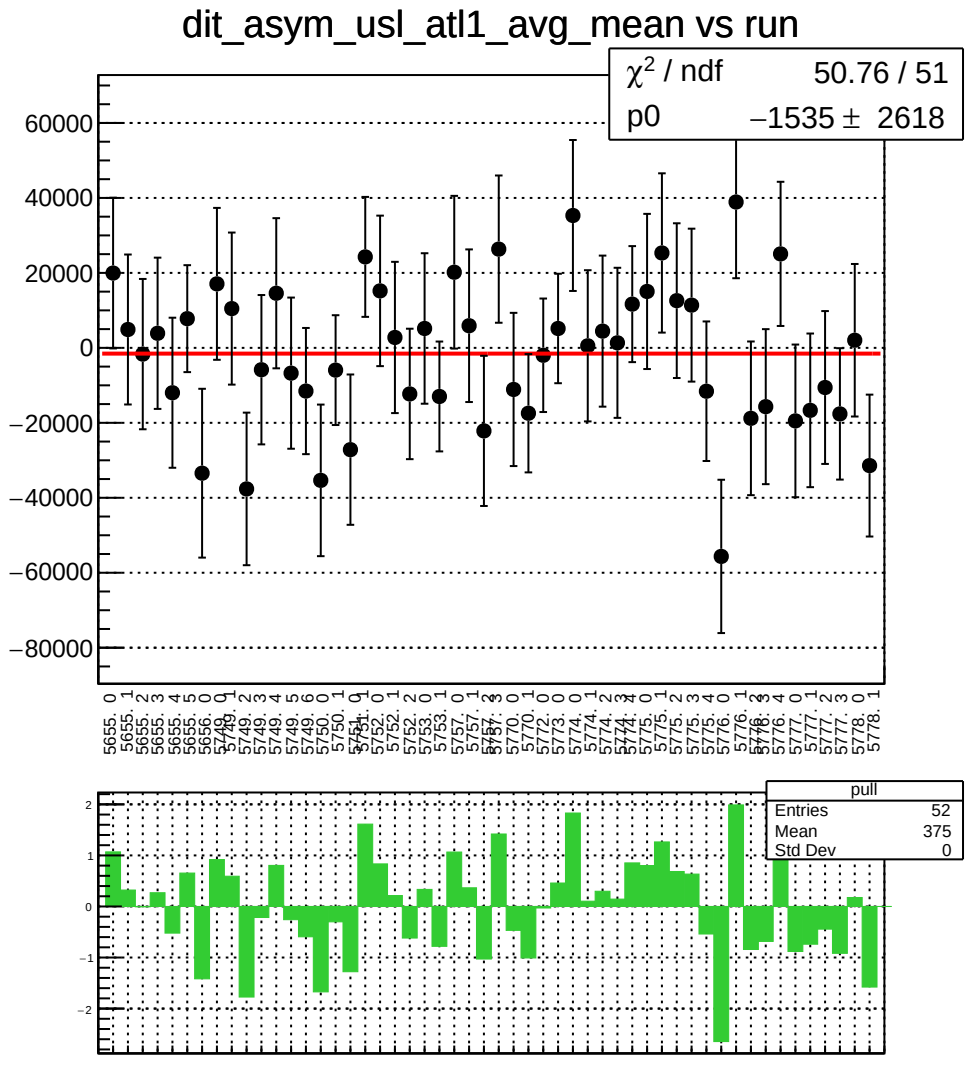
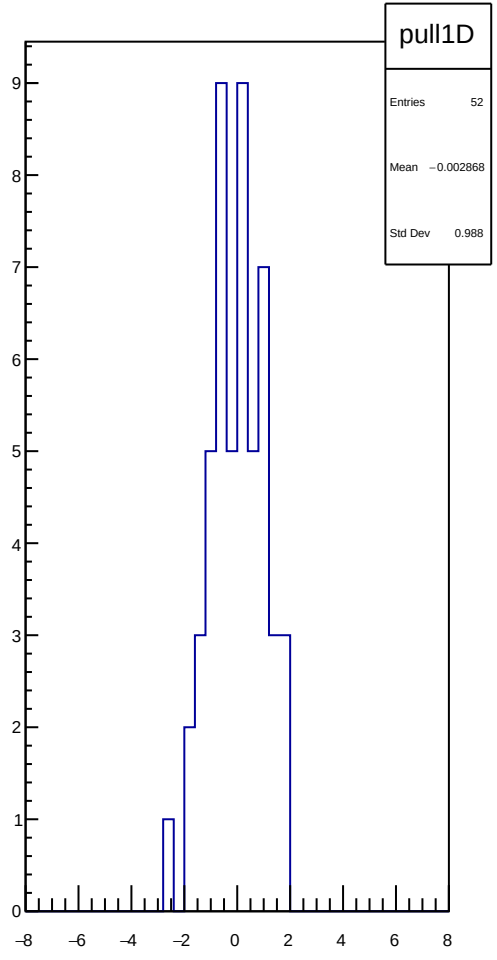
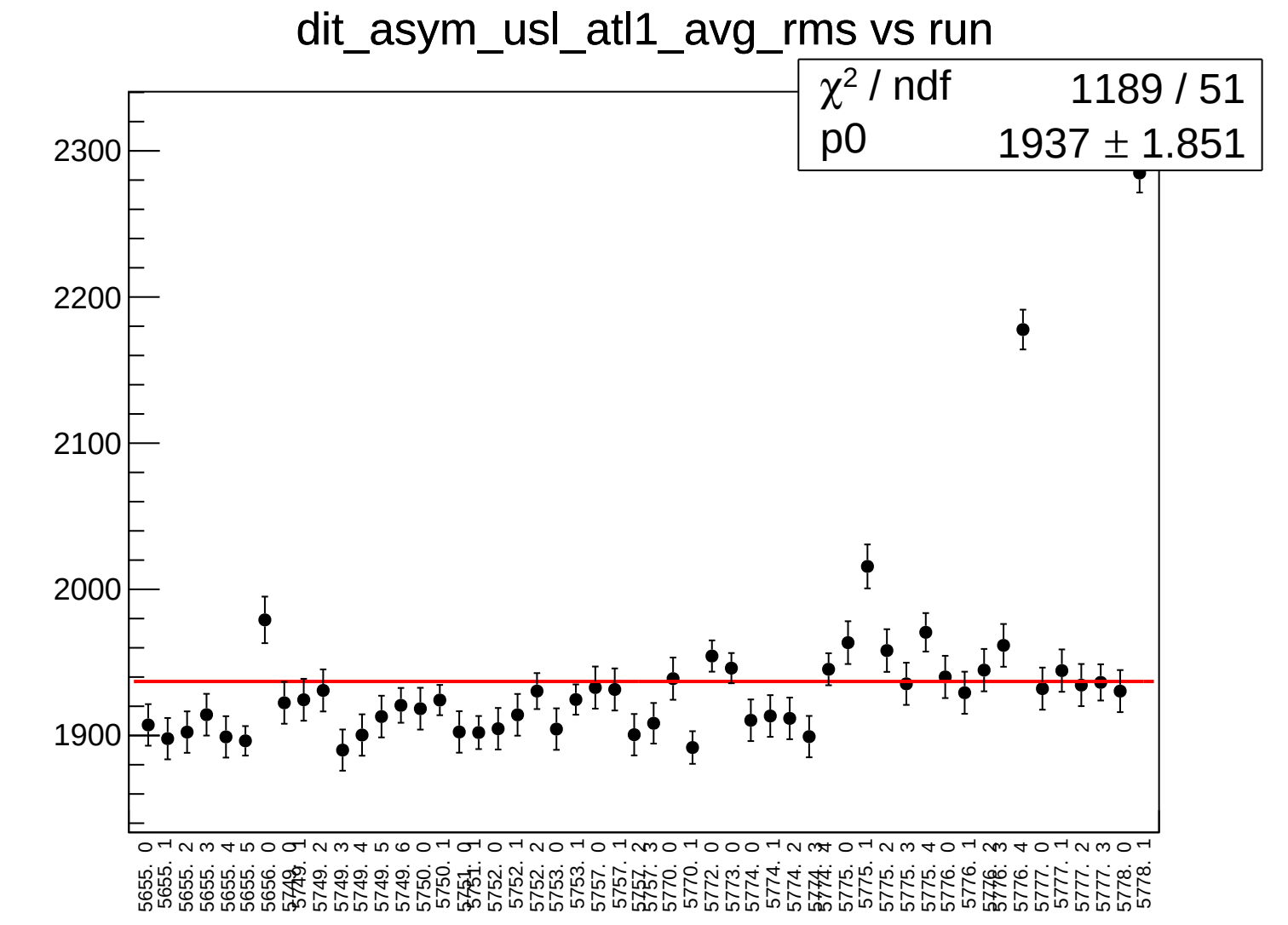
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 50.76 / 51
p0 −1535 ± 2618
pull
Entries 52
Mean 375
Std Dev 0


pull1D
Entries 52
Mean −0.002868
Std Dev 0.988


dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 1189 / 51
p0 1937 ± 1.851
2300
2200
2100
2000
1900
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 2
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5776. 4
5777. 0
5777. 1
5777. 2
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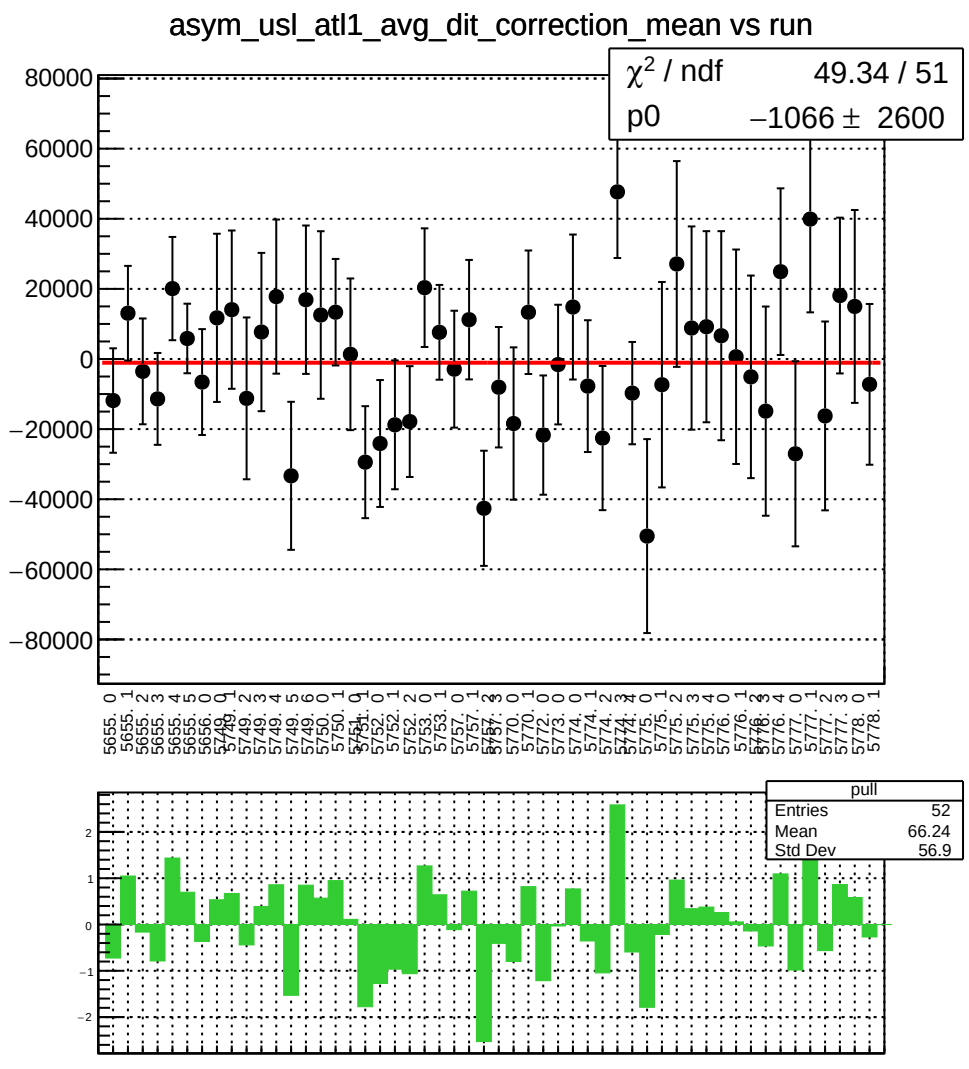
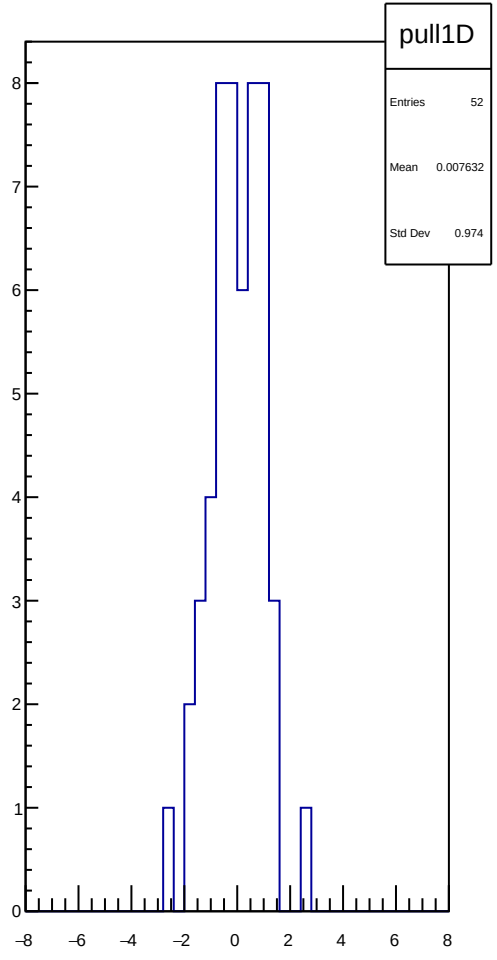
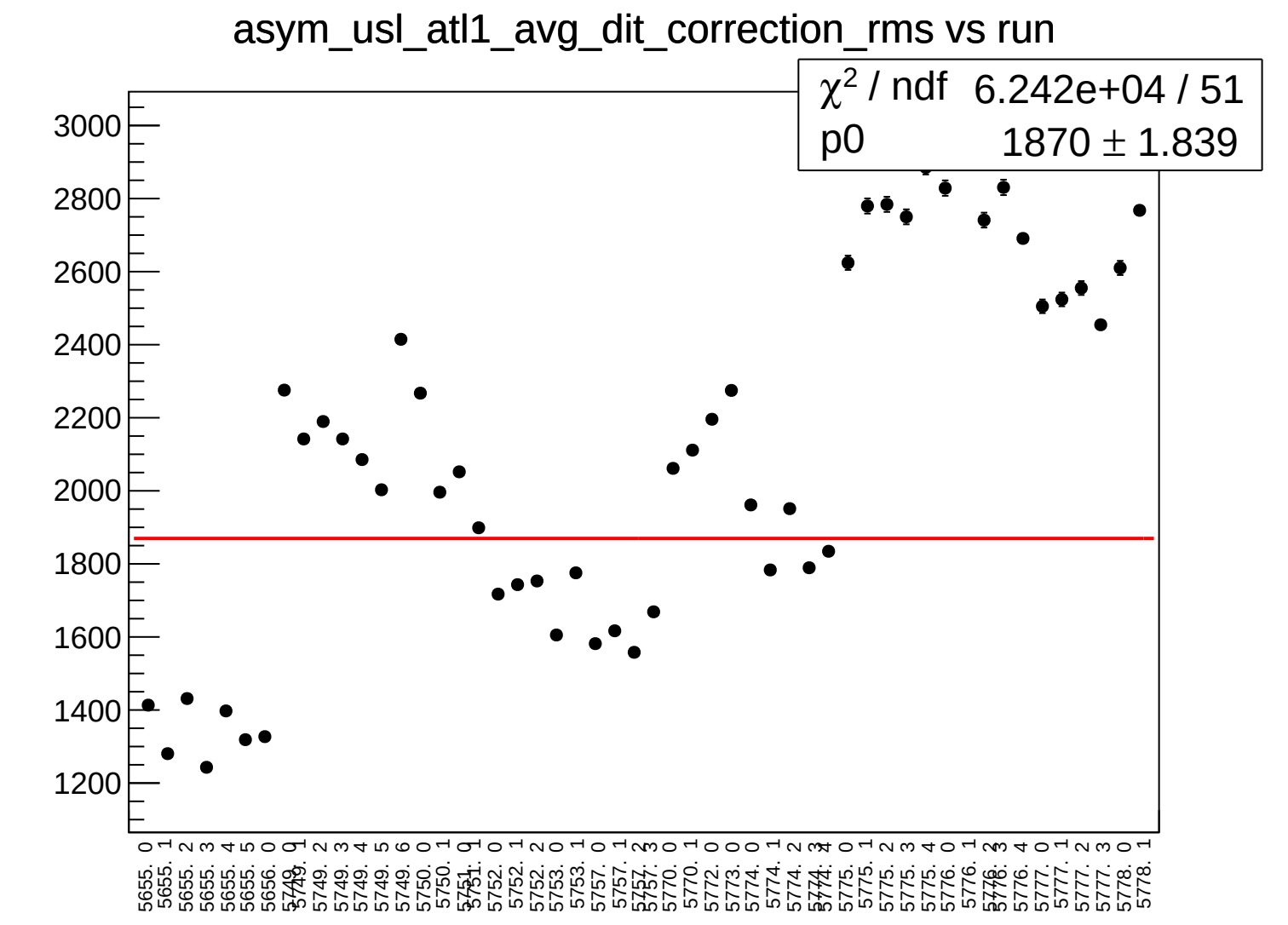
5778. 0
5778. 1


asym_usl_atl1_avg_dit_correction_mean vs run
χ² / ndf 49.34 / 51
p0 −1066 ± 2600
pull
Entries 52
Mean 66.24
Std Dev 56.9


pull1D
Entries 52
Mean 0.007632
Std Dev 0.974


asym_usl_atl1_avg_dit_correction_rms vs run
χ² / ndf 6.242e+04 / 51
p0 1870 ± 1.839
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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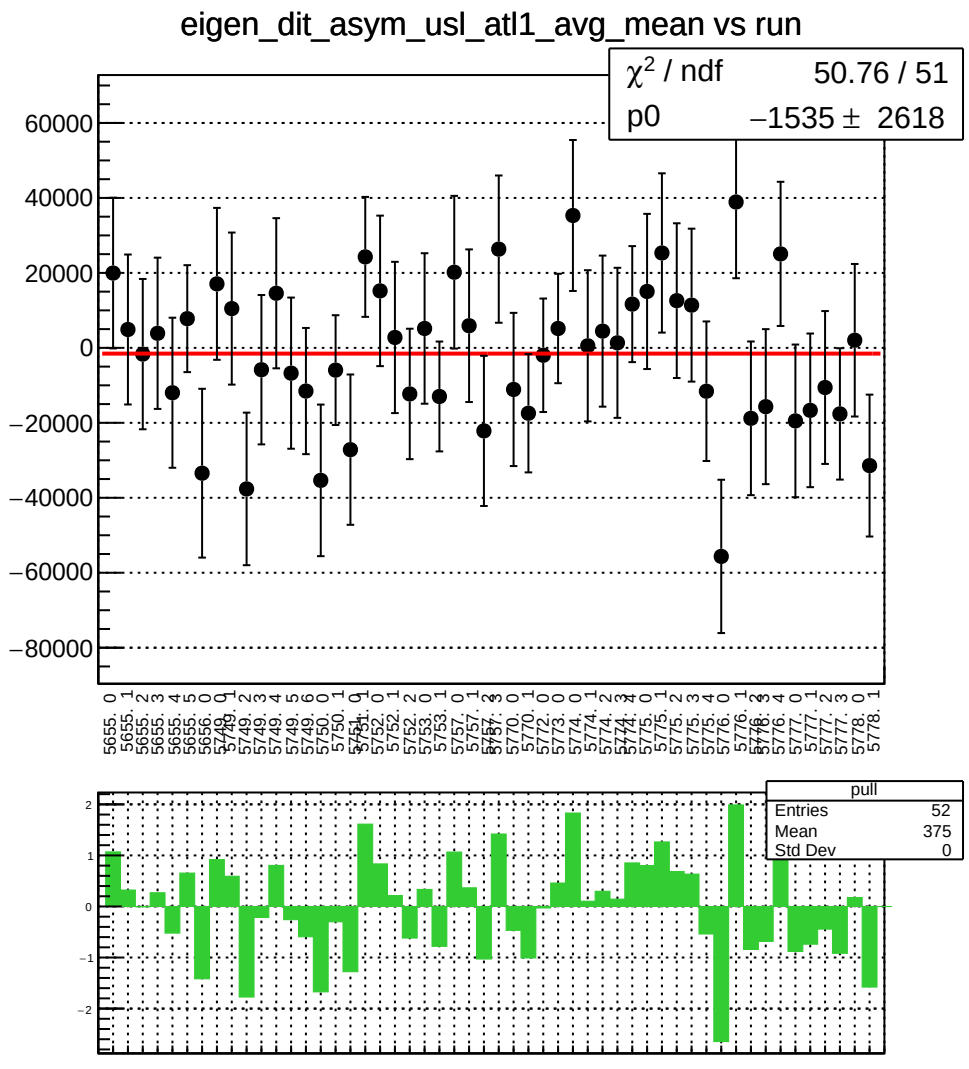
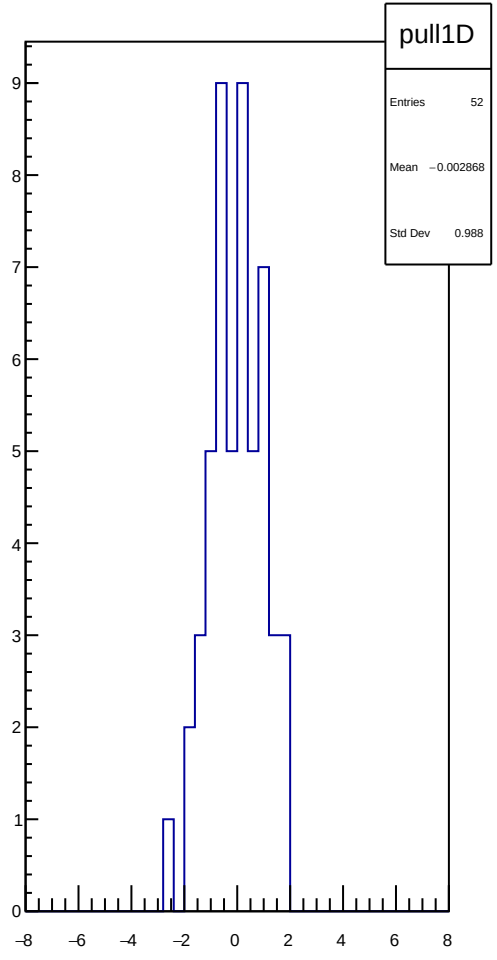
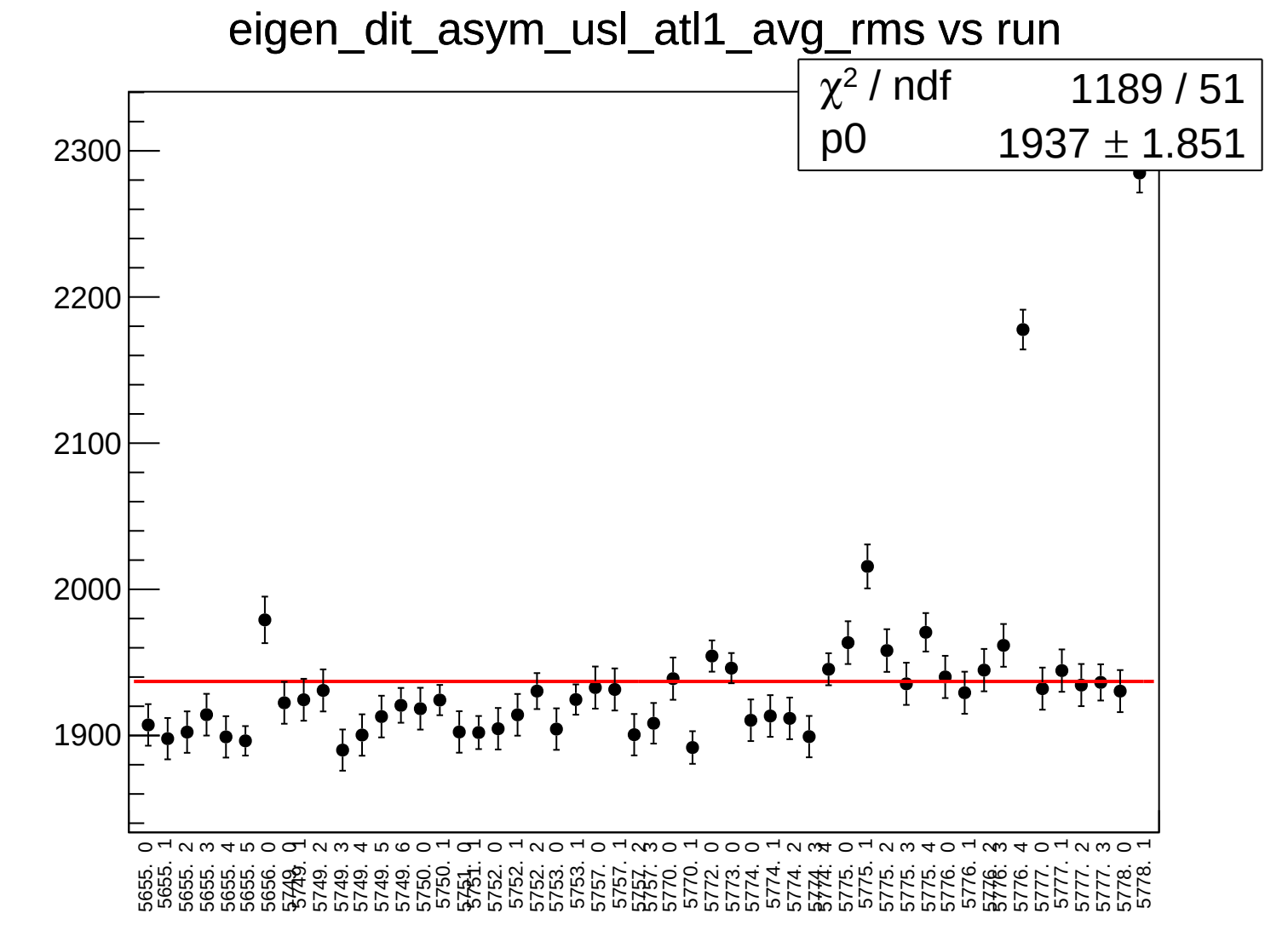

eigen_dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 50.76 / 51
p0 −1535 ± 2618
pull
Entries 52
Mean 375
Std Dev 0


pull1D
Entries 52
Mean −0.002868
Std Dev 0.988


eigen_dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 1189 / 51
p0 1937 ± 1.851
2300
2200
2100
2000
1900
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
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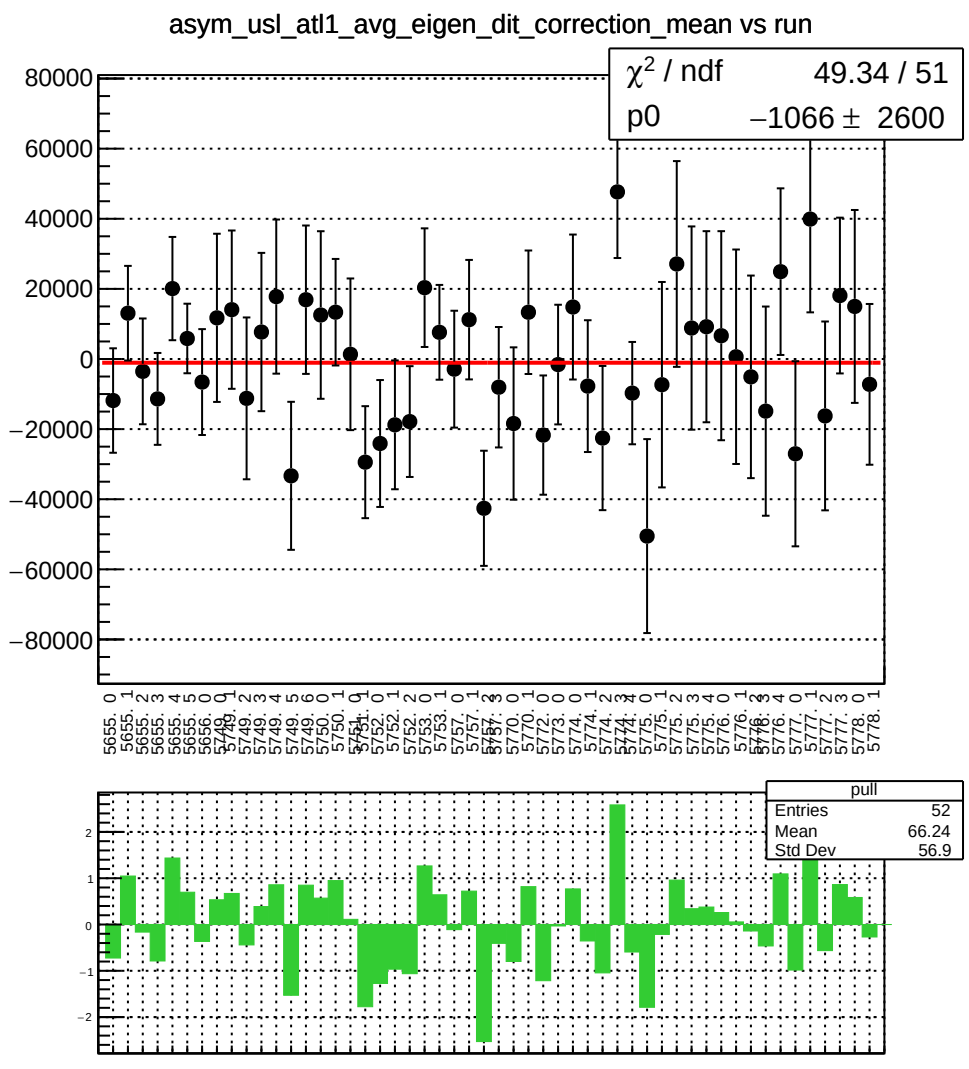
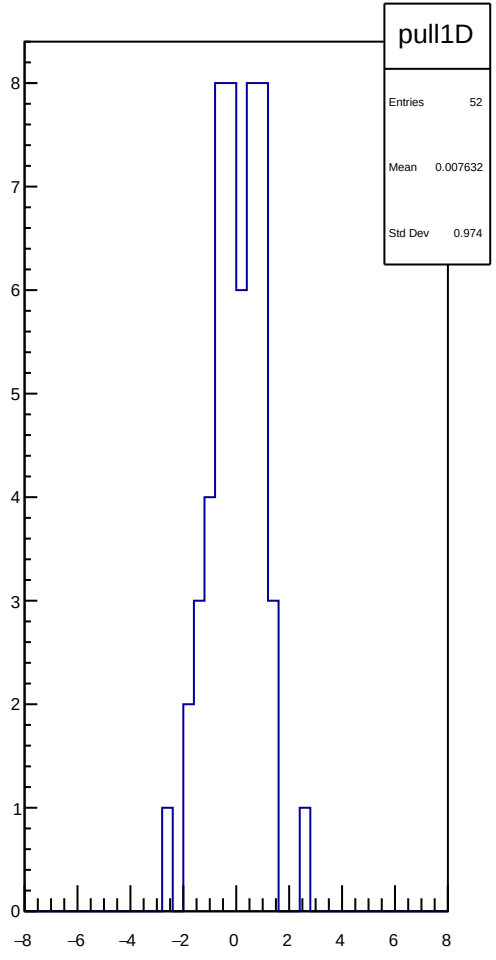
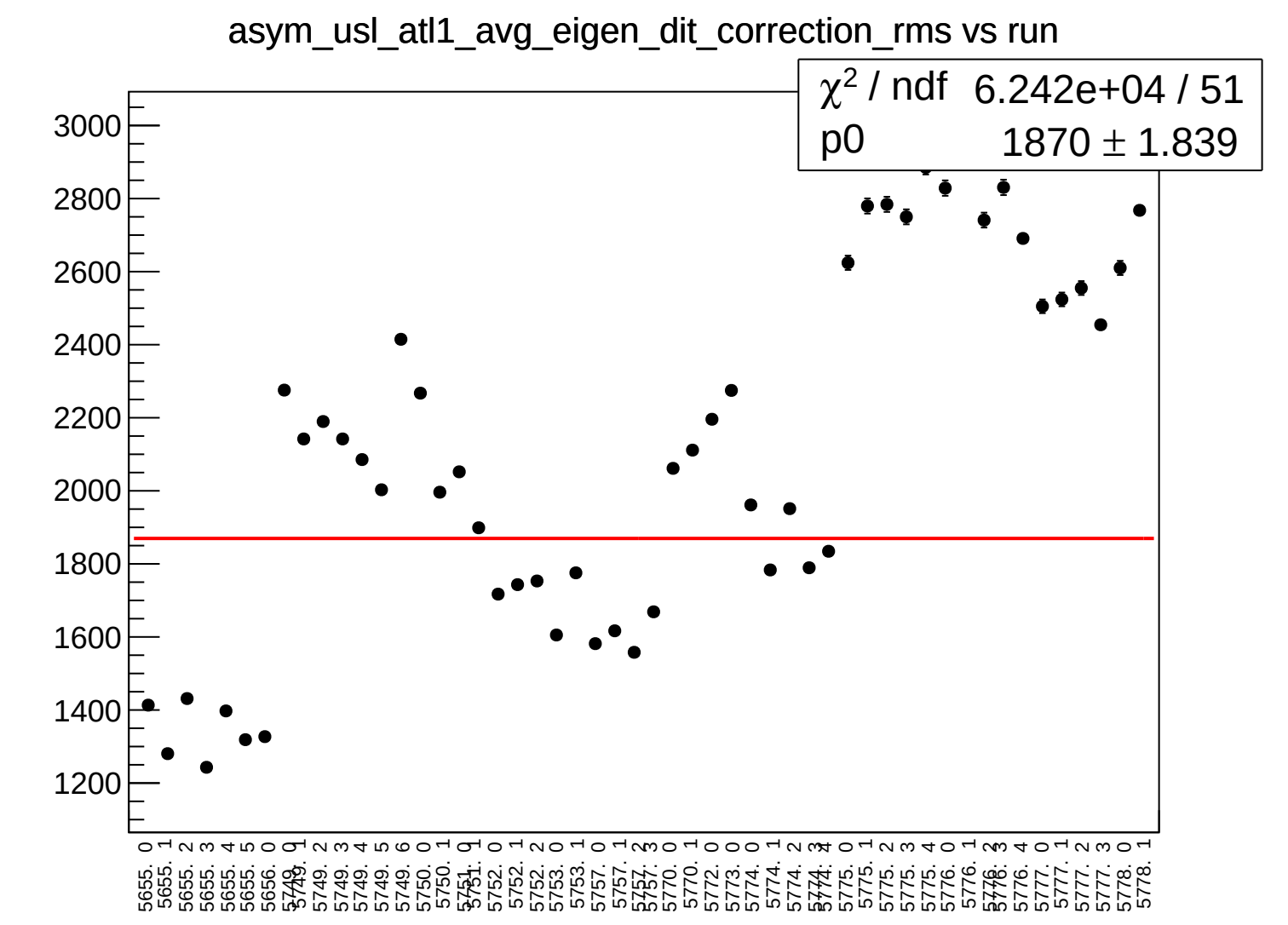
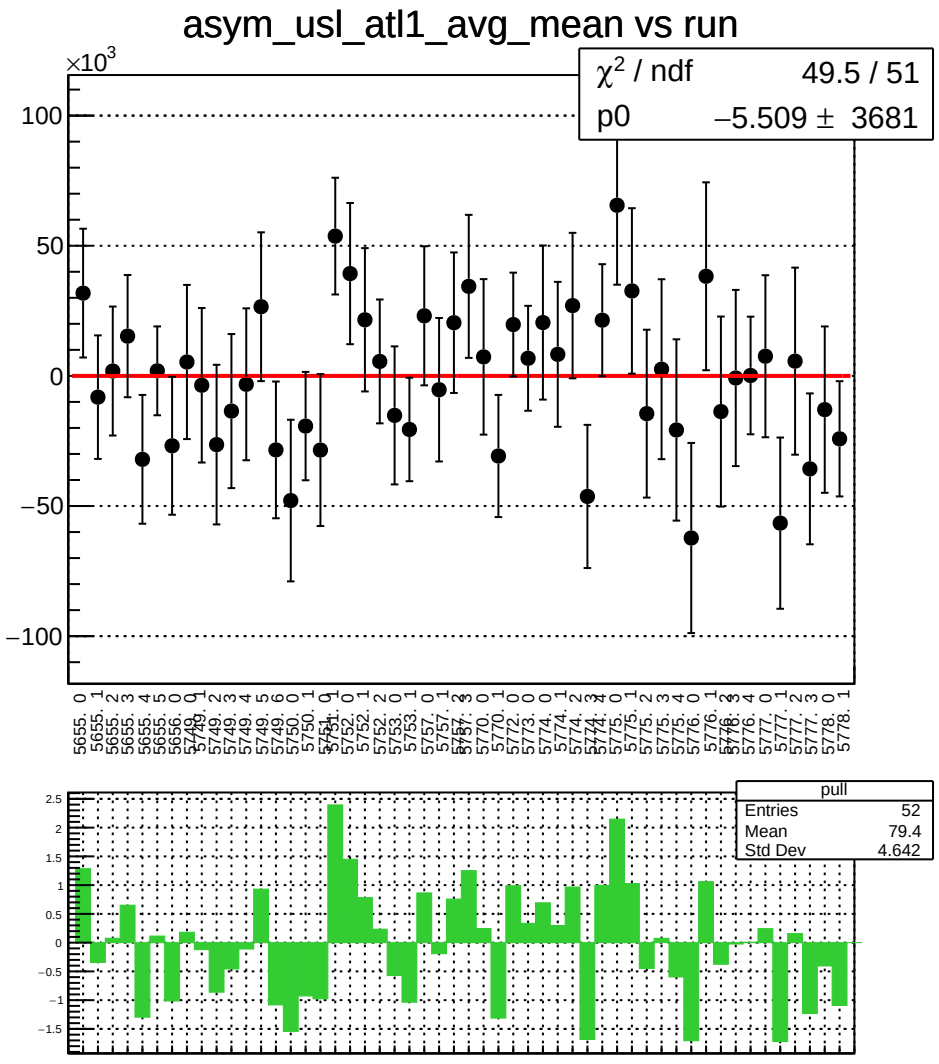
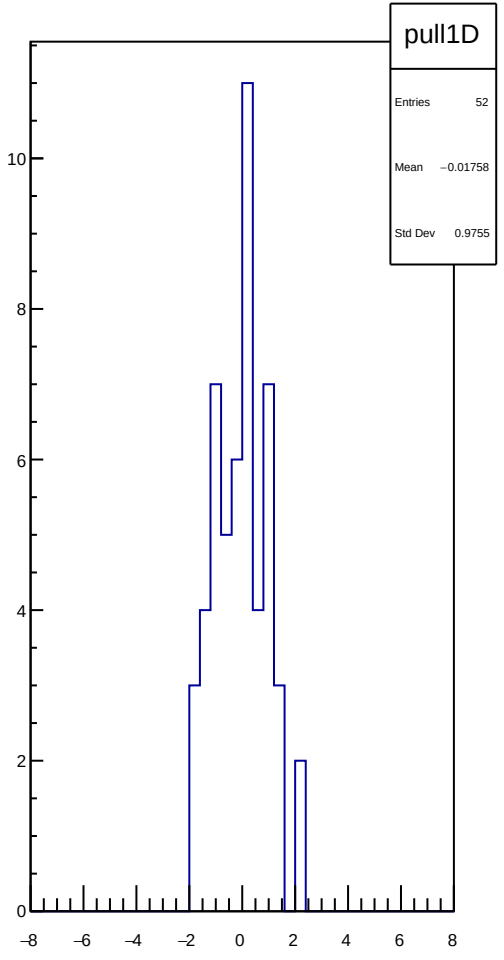
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

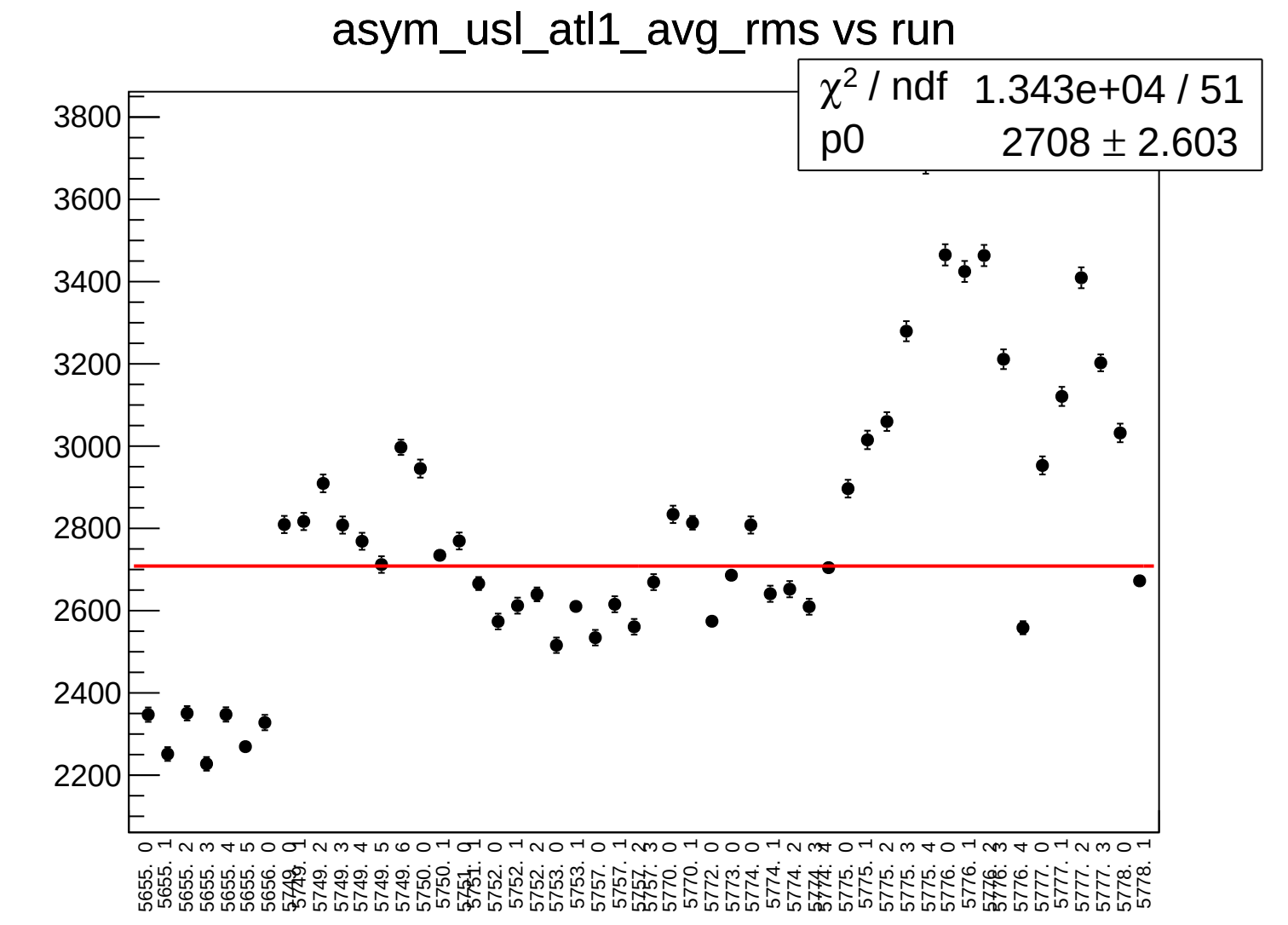

asym_usl_atl1_avg_eigen_dit_correction_mean vs run
χ² / ndf 49.34 / 51
p0 −1066 ± 2600
pull
Entries 52
Mean 66.24
Std Dev 56.9

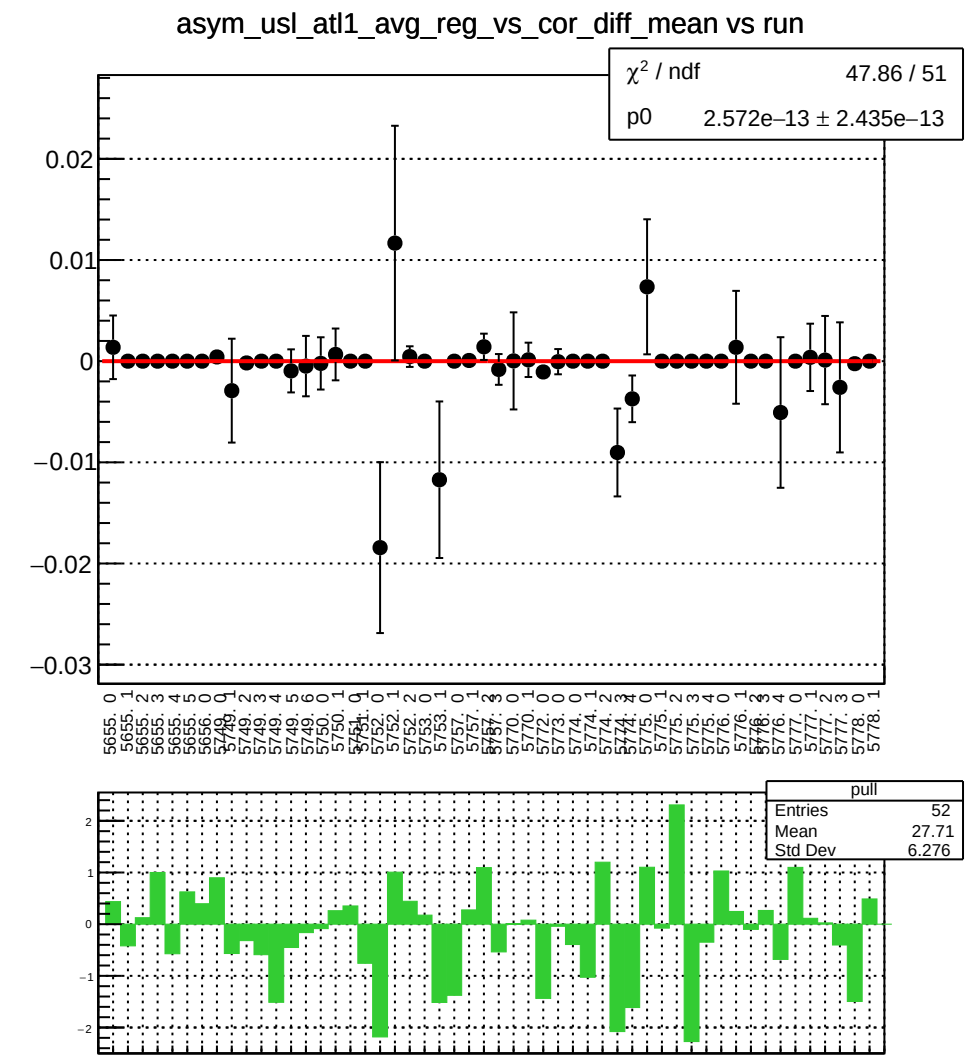

pull1D
Entries 52
Mean 0.007632
Std Dev 0.974

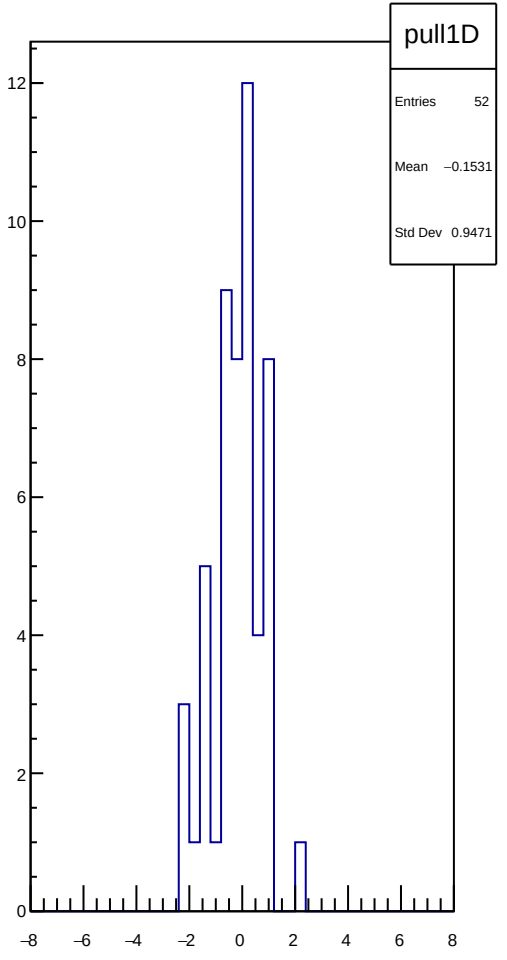

asym_usl_atl1_avg_eigen_dit_correction_rms vs run
χ² / ndf 6.242e+04 / 51
p0 1870 ± 1.839
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

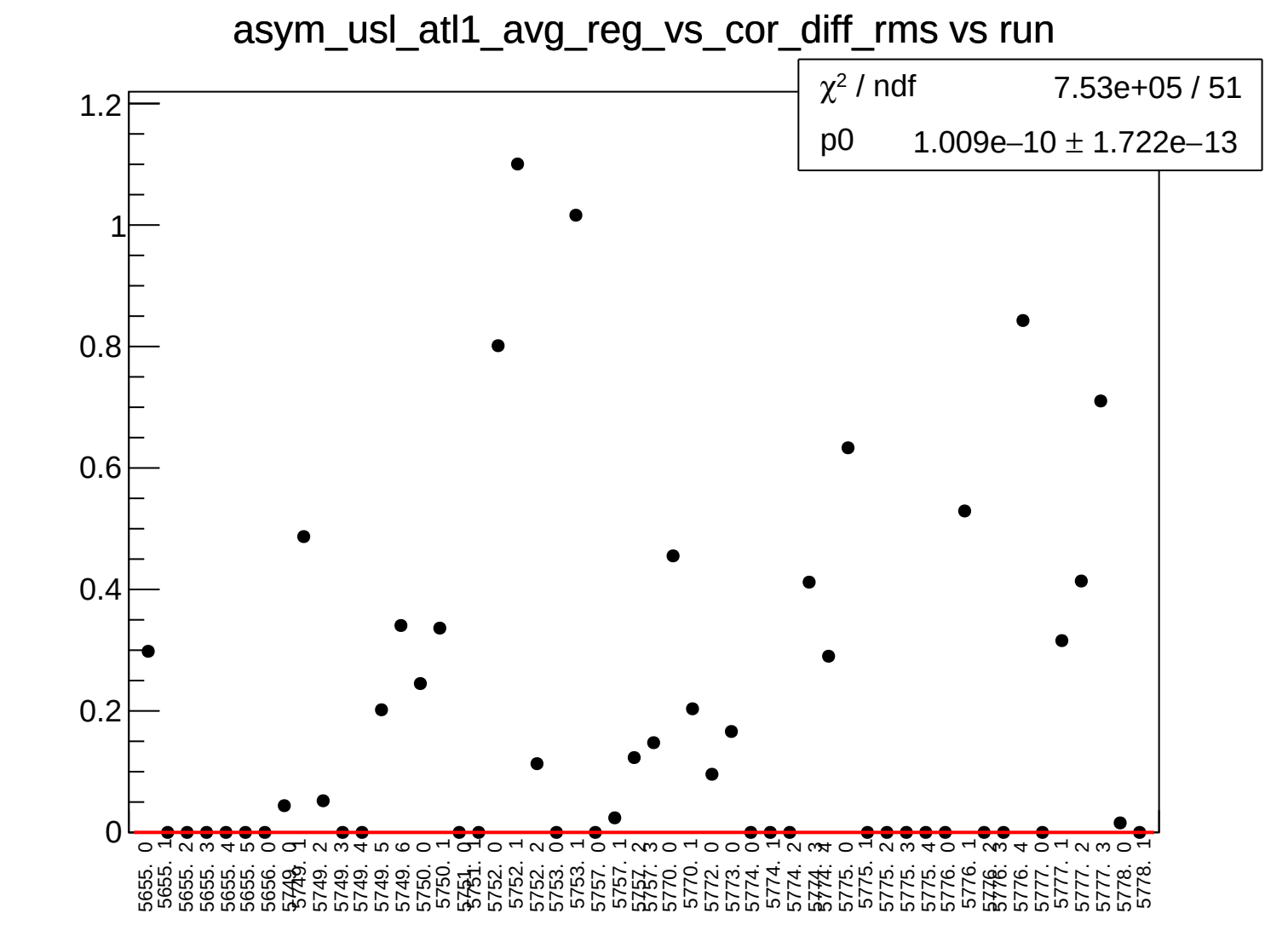

asym_usl_atl1_avg_mean vs run
×10^3
χ^2 / ndf 49.5 / 51
p0 −5.509 ± 3681
100
50
0
−50
−100
pull
Entries 52
Mean 79.4
Std Dev 4.642
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

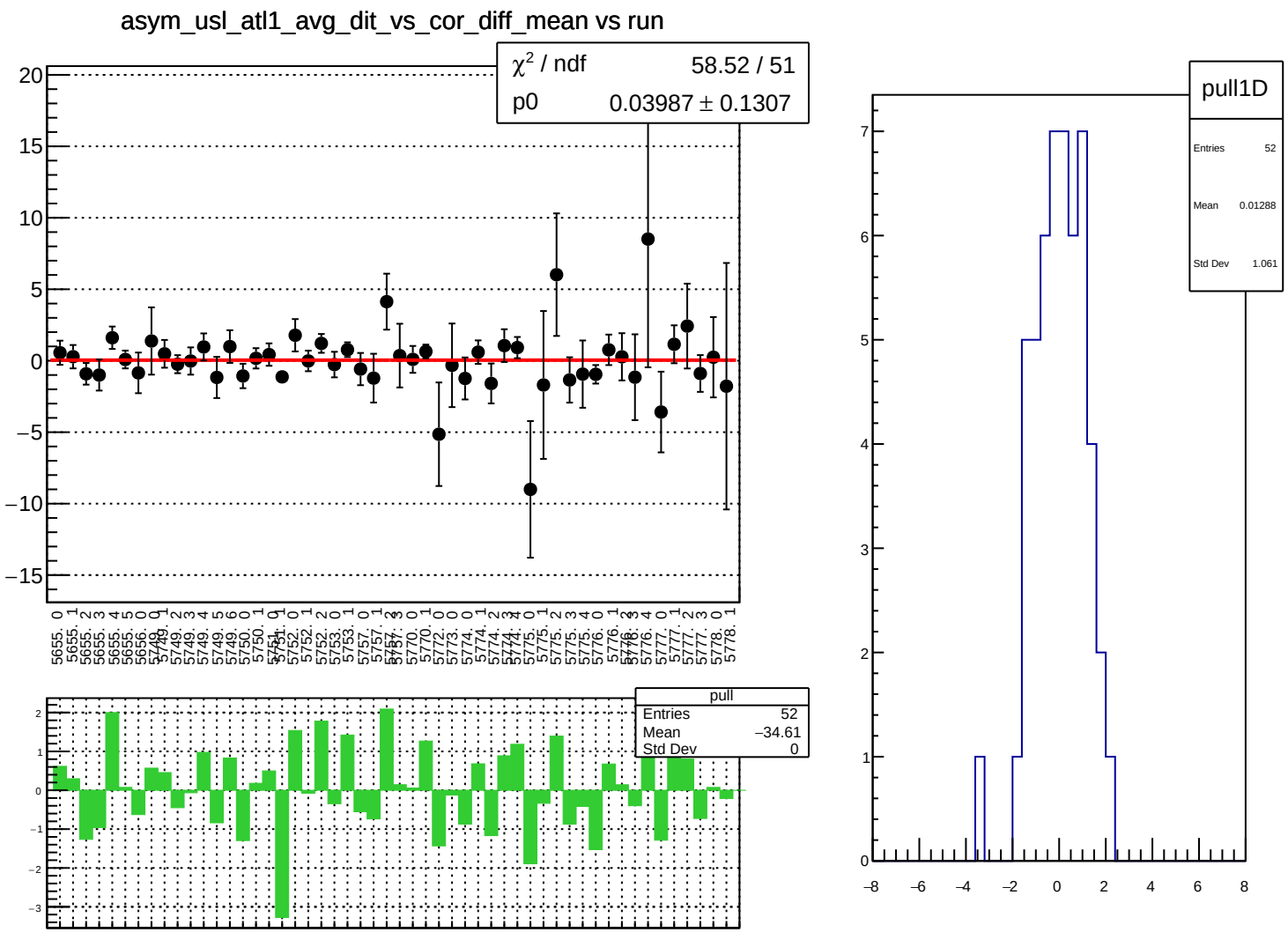

pull1D
Entries 52
Mean −0.01758
Std Dev 0.9755
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

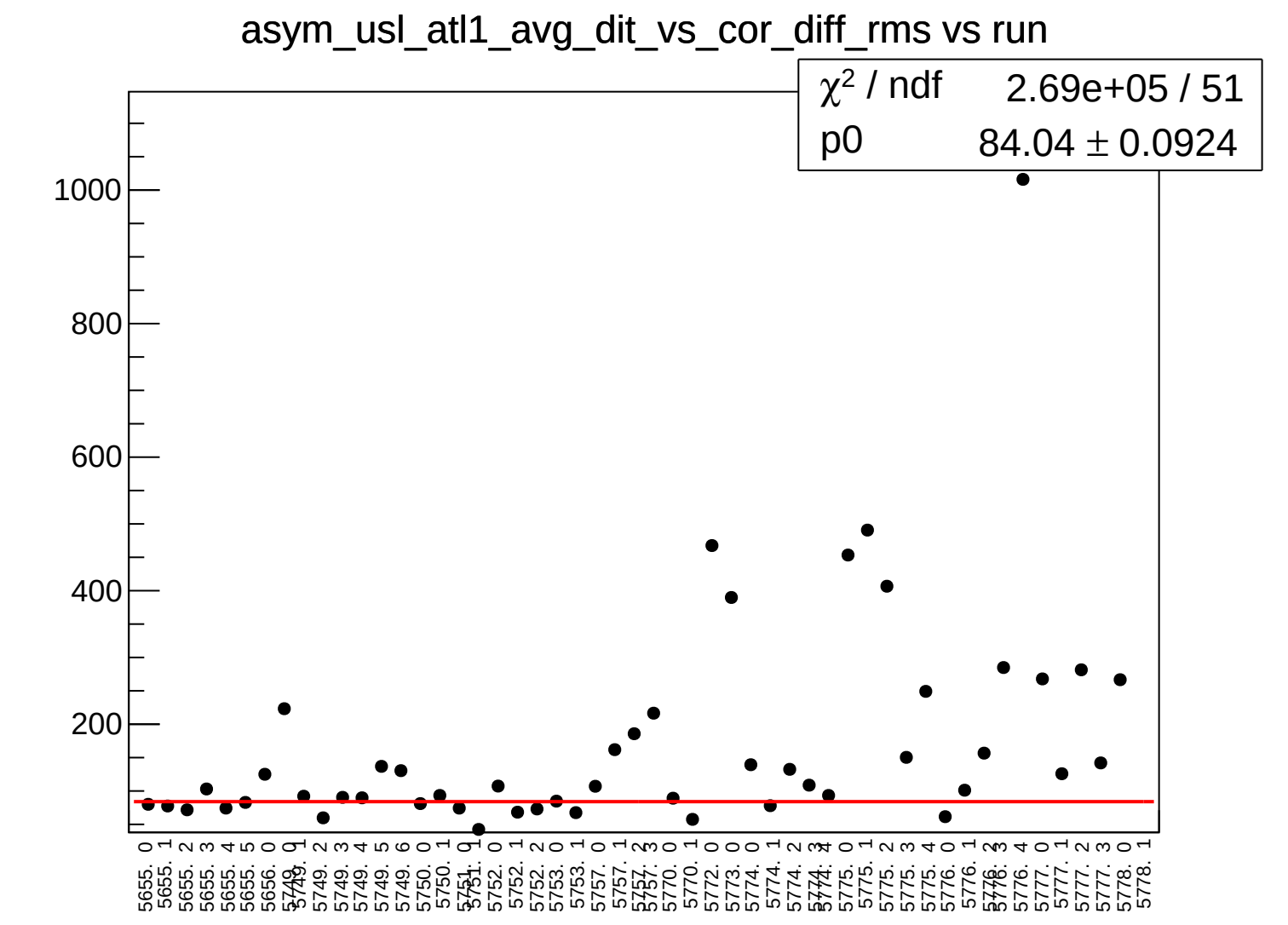

asym_usl_atl1_avg_rms vs run
χ² / ndf 1.343e+04 / 51
p0 2708 ± 2.603
3800
3600
3400
3200
3000
2800
2600
2400
2200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

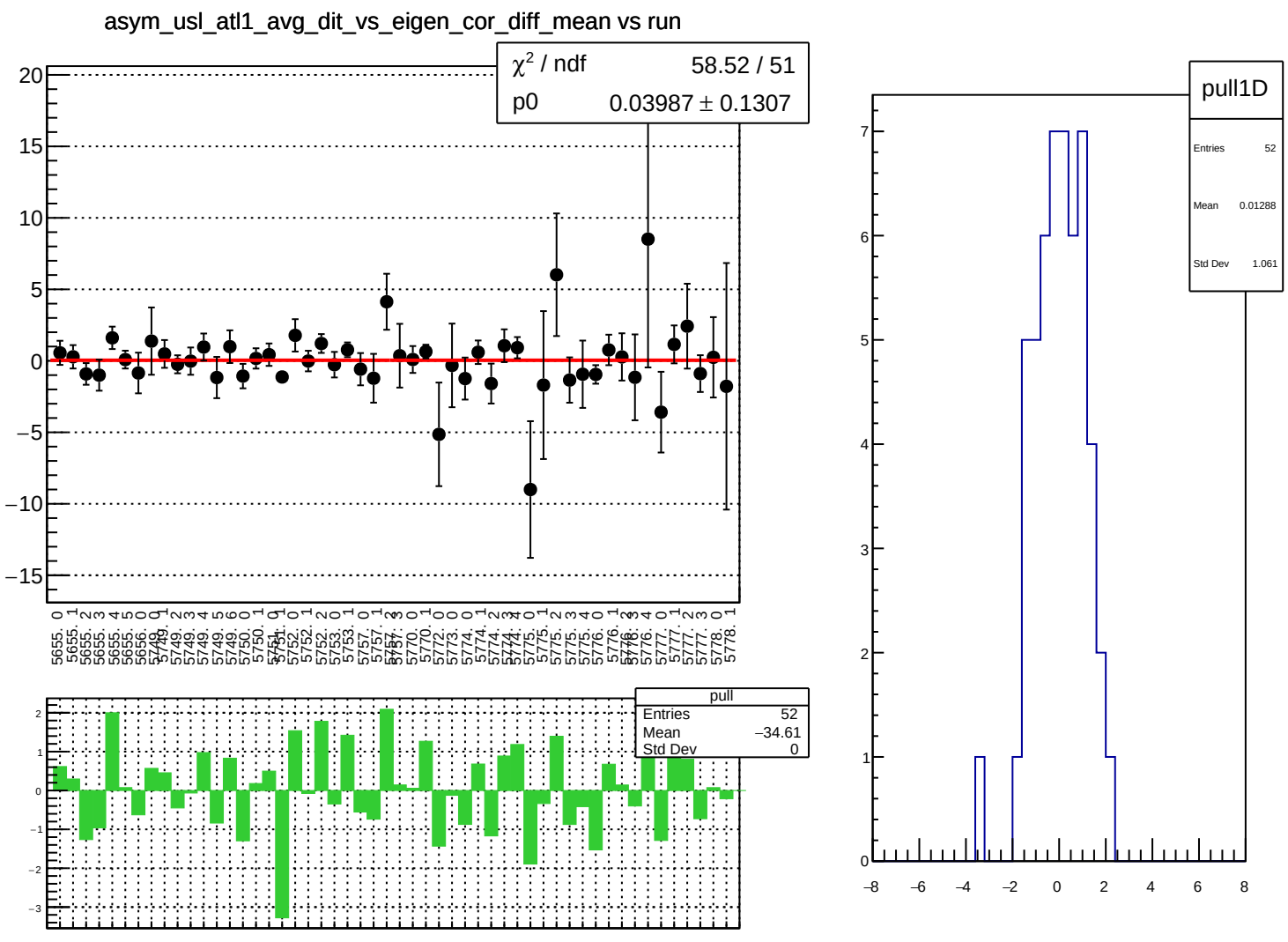

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 47.86 / 51
p0 2.572e−13 ± 2.435e−13
pull
Entries 52
Mean 27.71
Std Dev 6.276

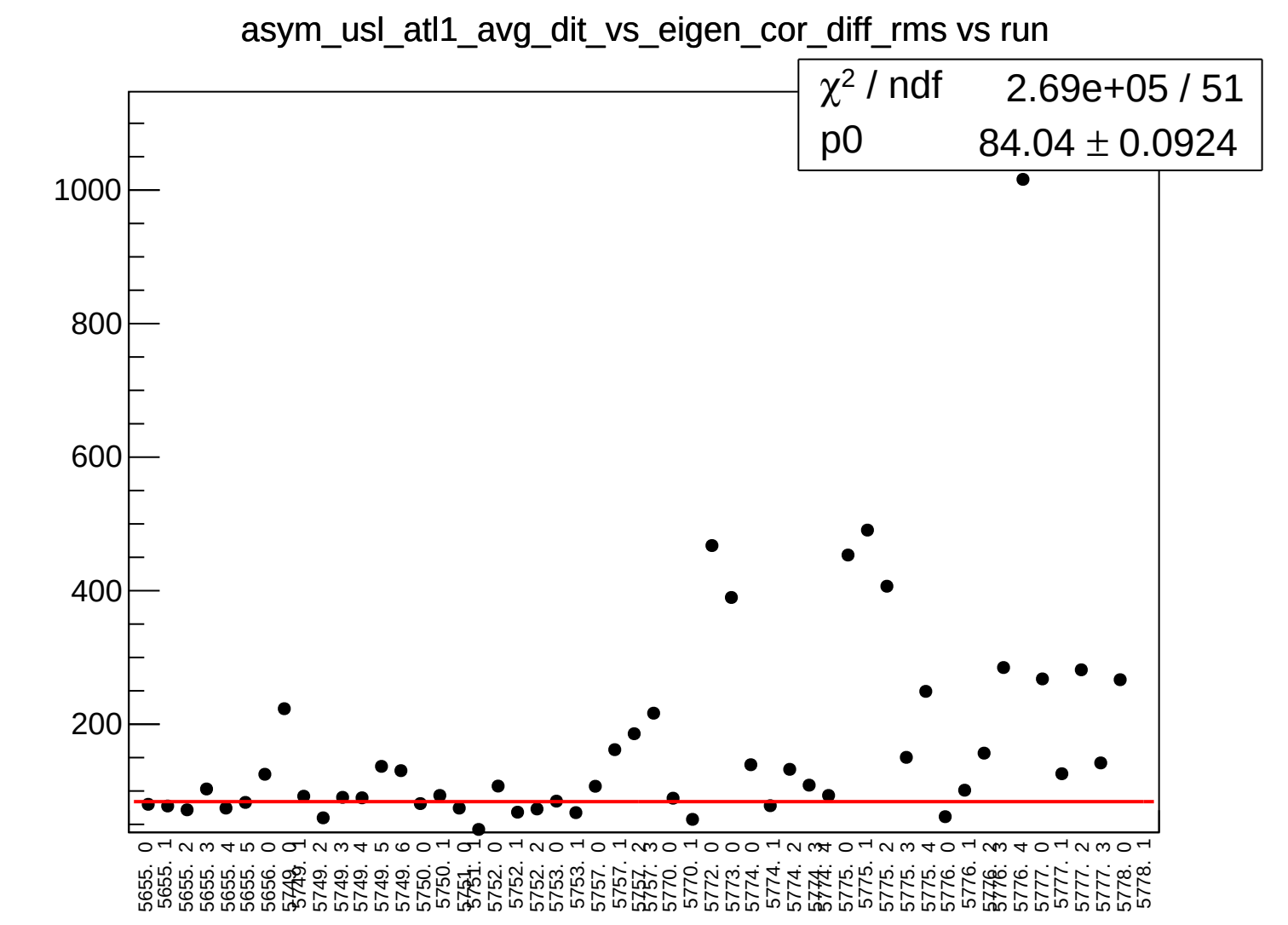

pull1D
Entries 52
Mean −0.1531
Std Dev 0.9471

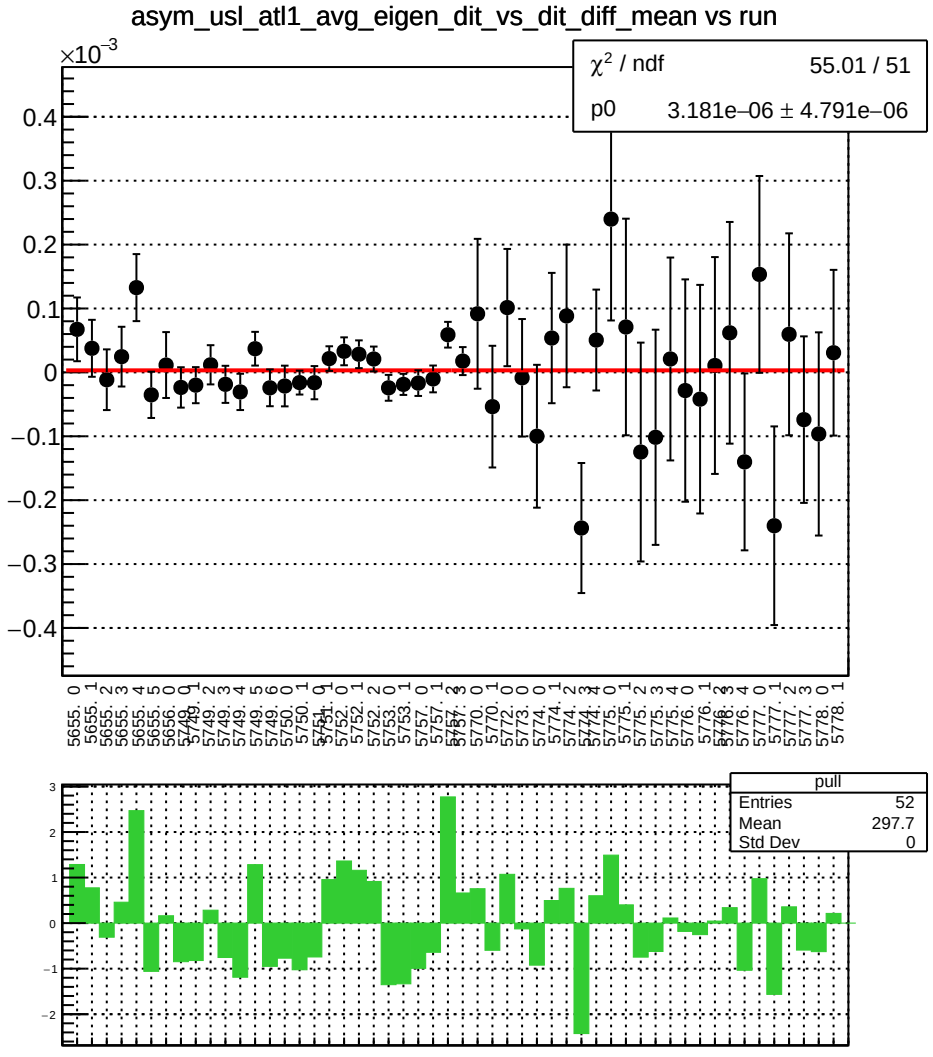

asym_usl_atl1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.53e+05 / 51
p0 1.009e−10 ± 1.722e−13
1.2
1
0.8
0.6
0.4
0.2
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

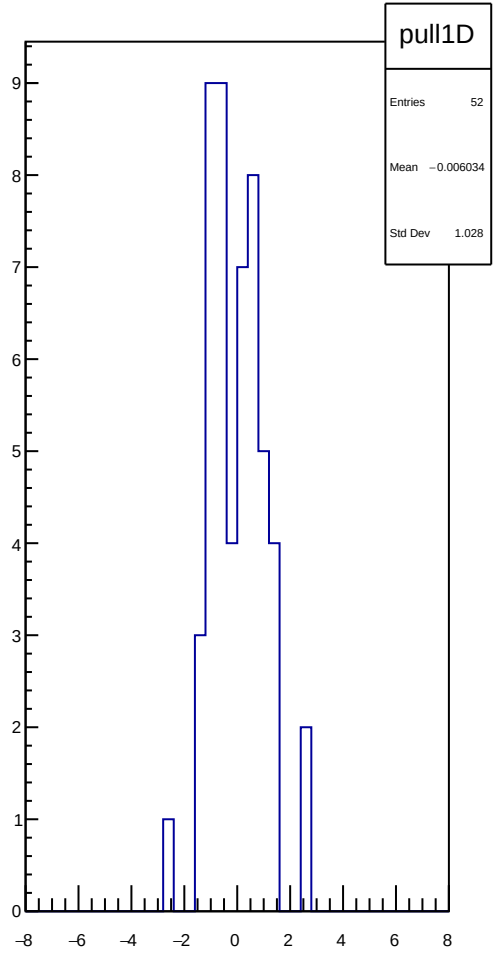

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 58.52 / 51
p0 0.03987 ± 0.1307
pull
Entries 52
Mean −34.61
Std Dev 0
pull1D
Entries 52
Mean 0.01288
Std Dev 1.061

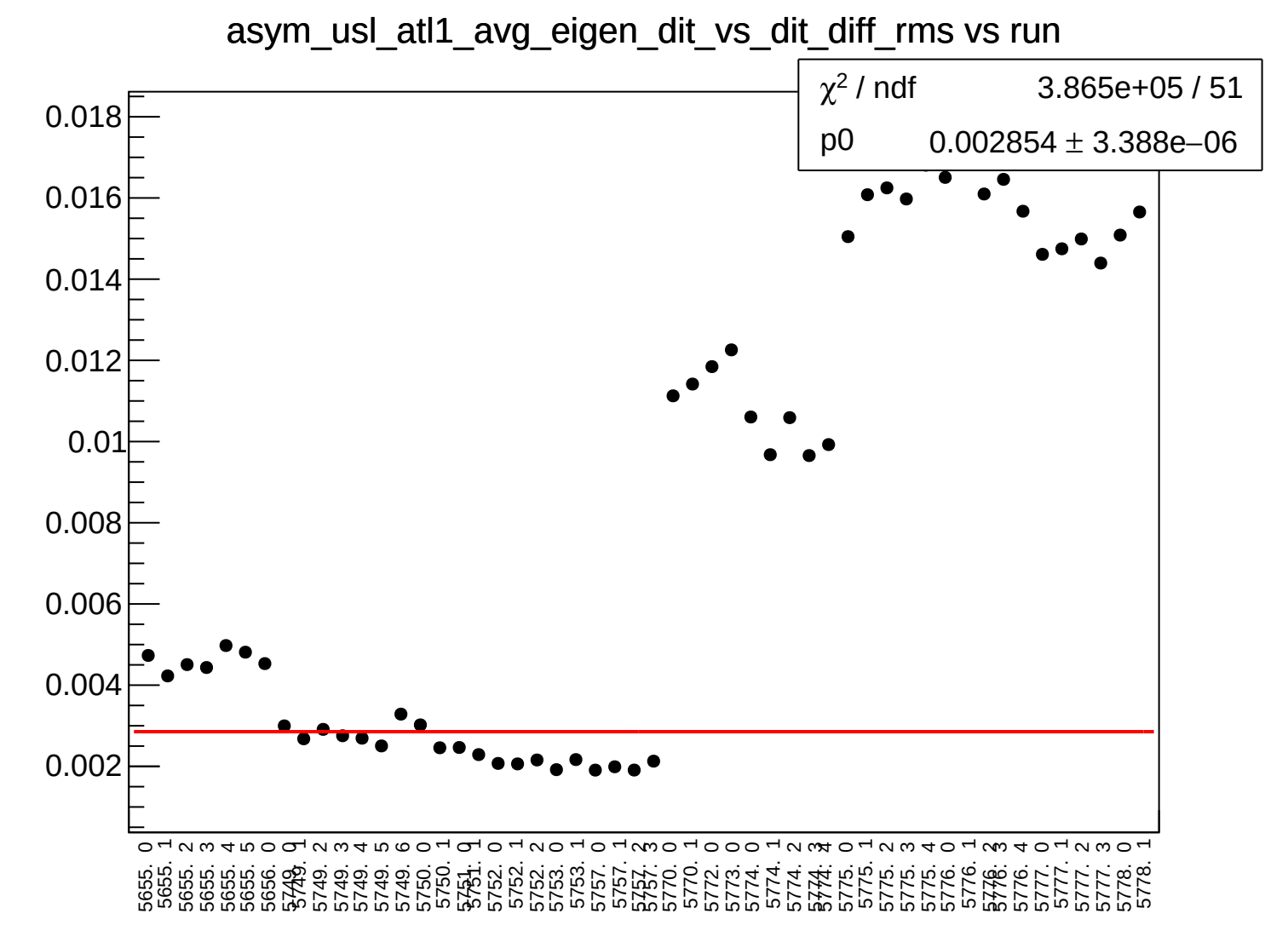

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.69e+05 / 51
p0 84.04 ± 0.0924
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

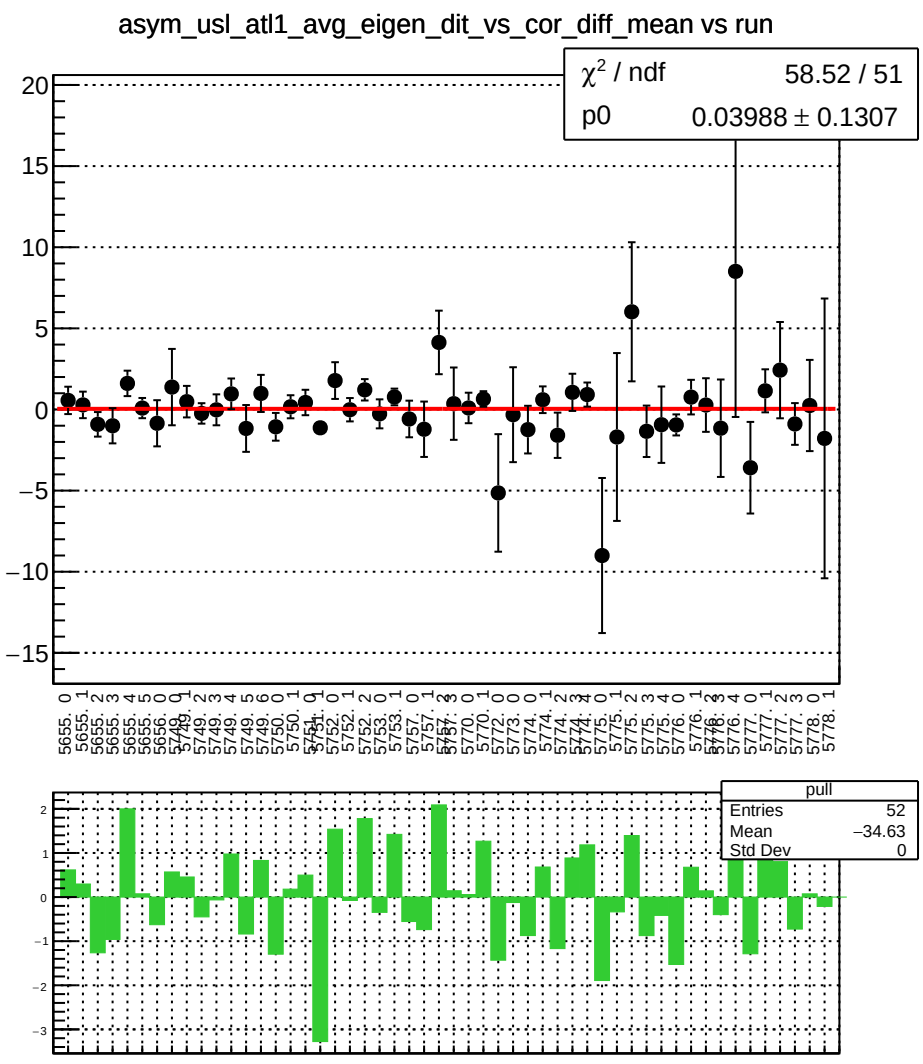

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.52 / 51
p0 0.03987 ± 0.1307
pull
Entries 52
Mean −34.61
Std Dev 0
pull1D
Entries 52
Mean 0.01288
Std Dev 1.061

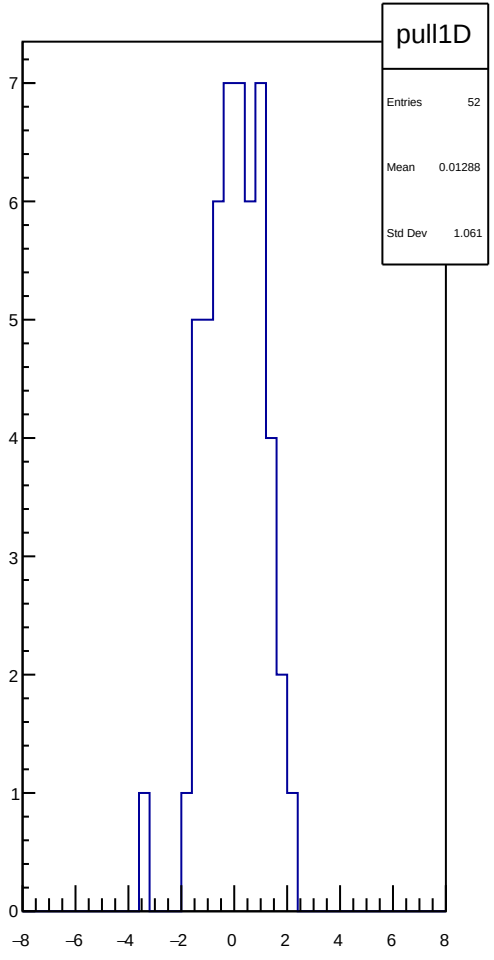

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.69e+05 / 51
p0 84.04 ± 0.0924
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

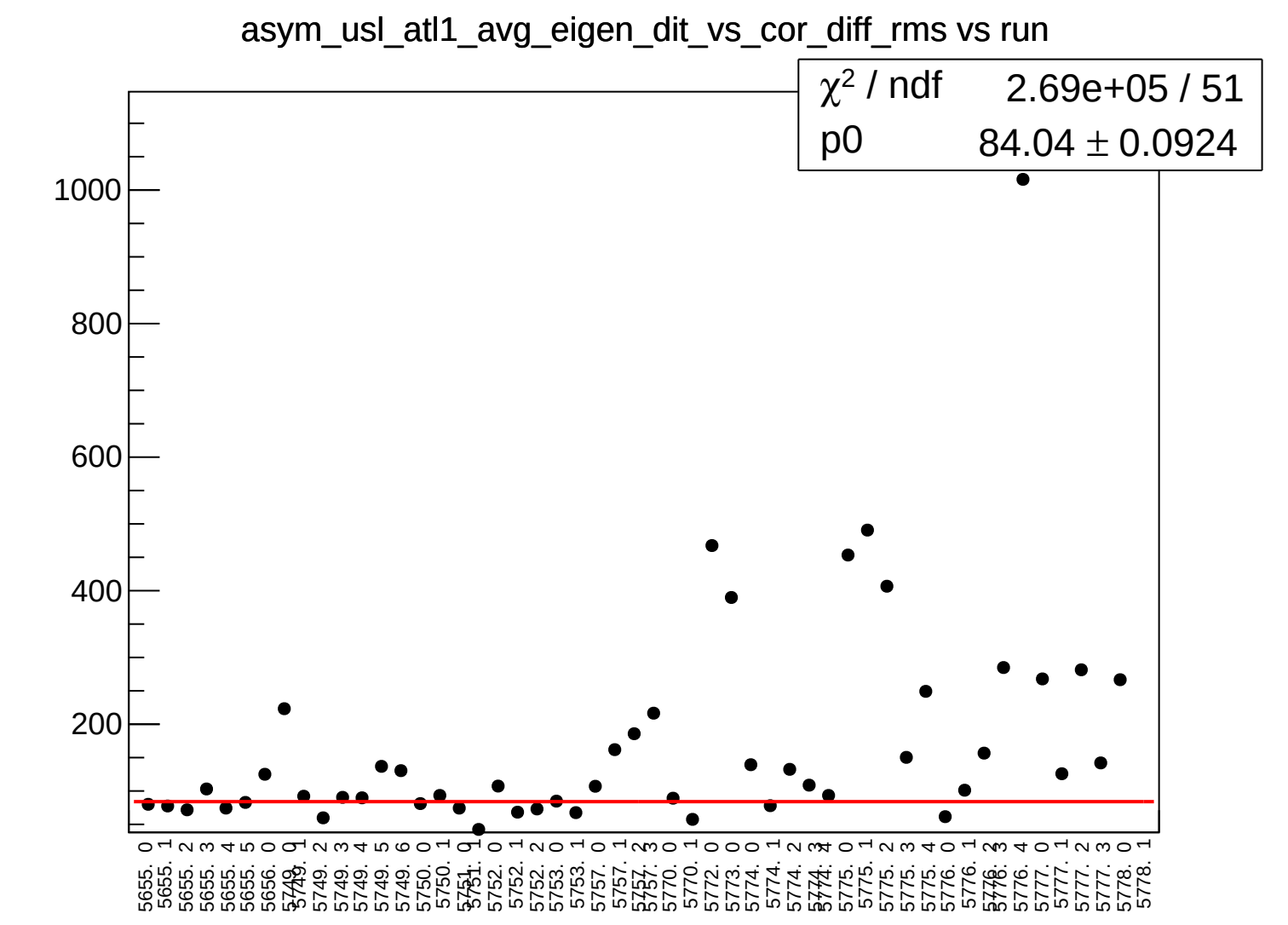

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 55.01 / 51
p0 3.181e−06 ± 4.791e−06
pull
Entries 52
Mean 297.7
Std Dev 0

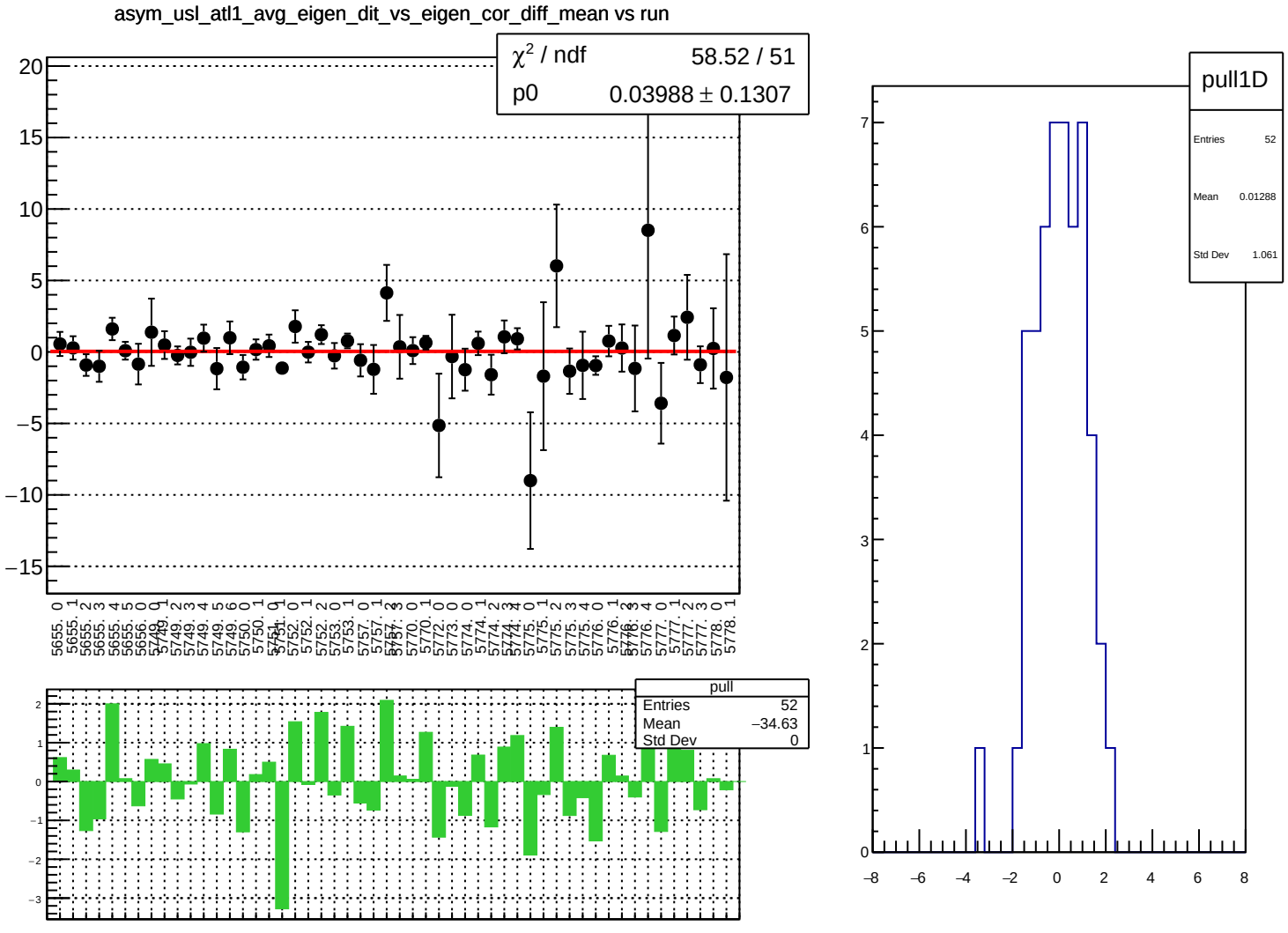

pull1D
Entries 52
Mean −0.006034
Std Dev 1.028

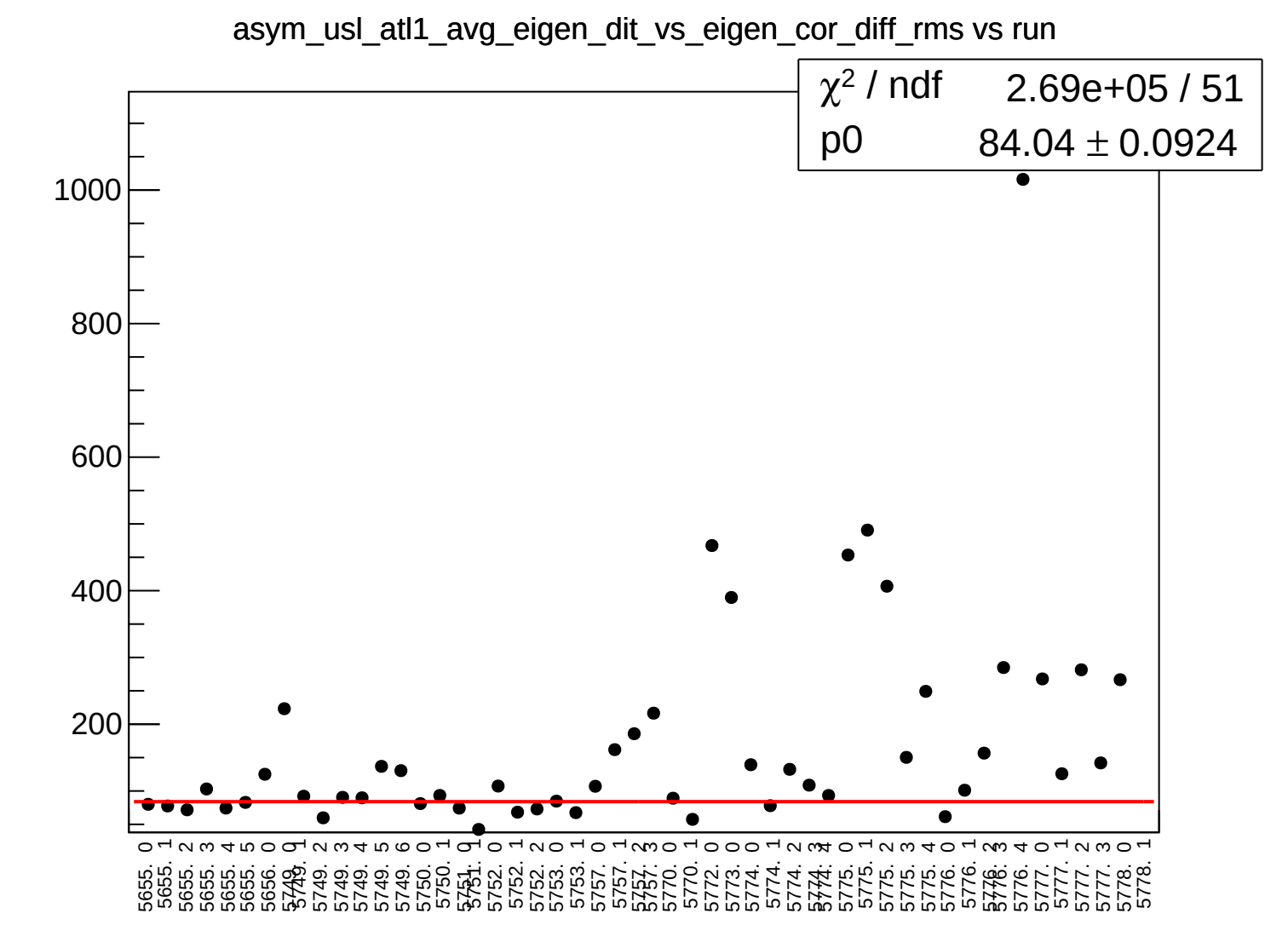

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.865e+05 / 51
p0 0.002854 ± 3.388e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

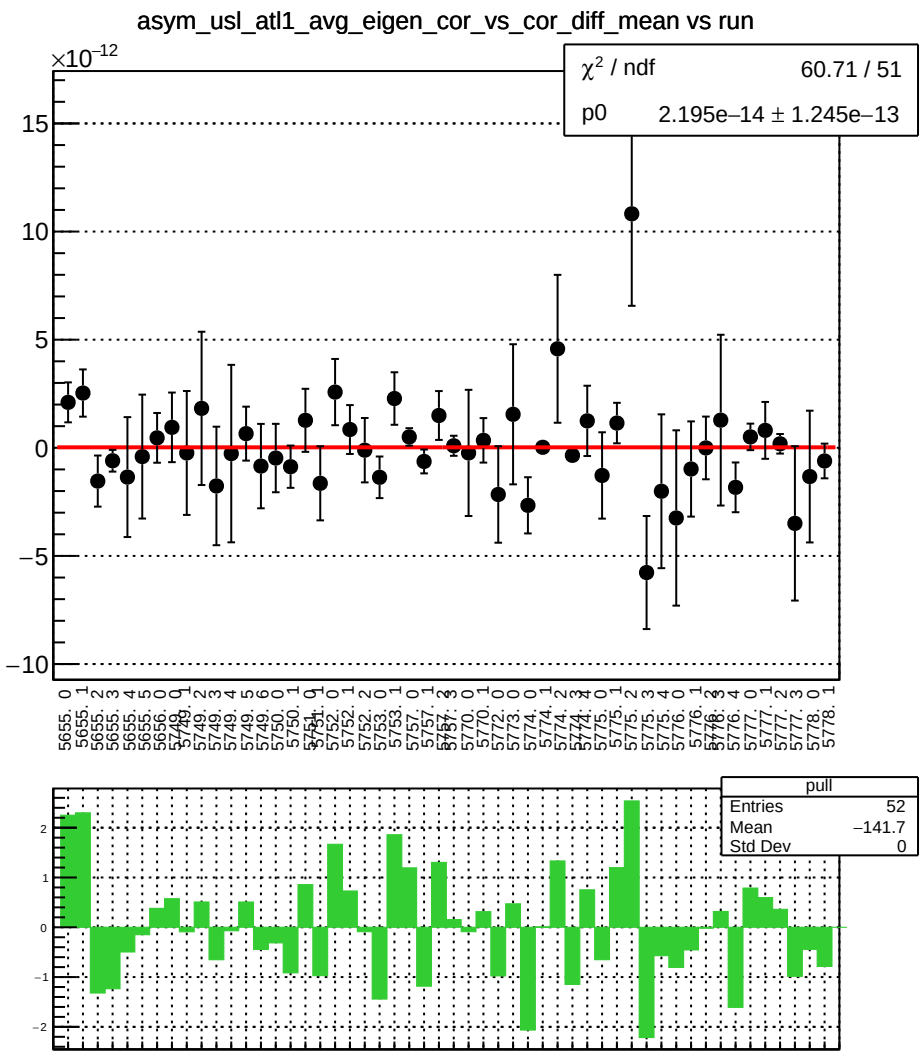

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.52 / 51
p0 0.03988 ± 0.1307
pull
Entries 52
Mean −34.63
Std Dev 0

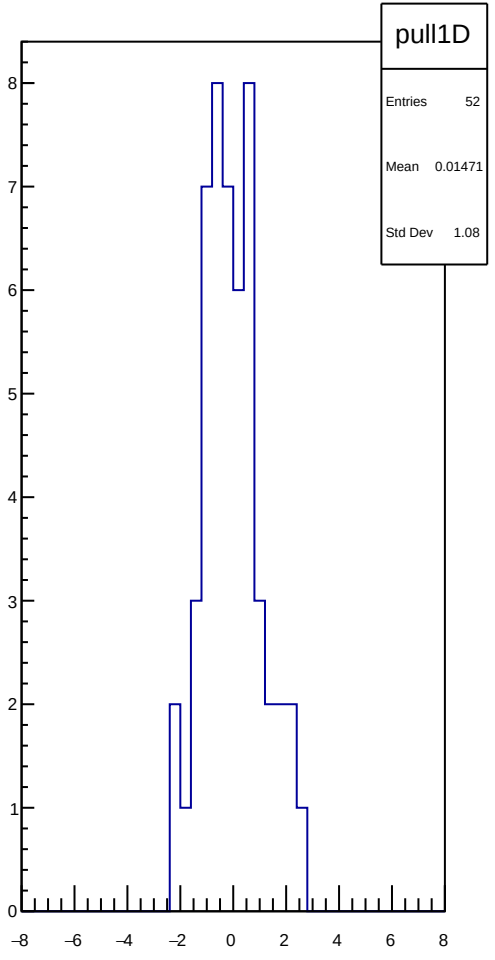

pull1D
Entries 52
Mean 0.01288
Std Dev 1.061

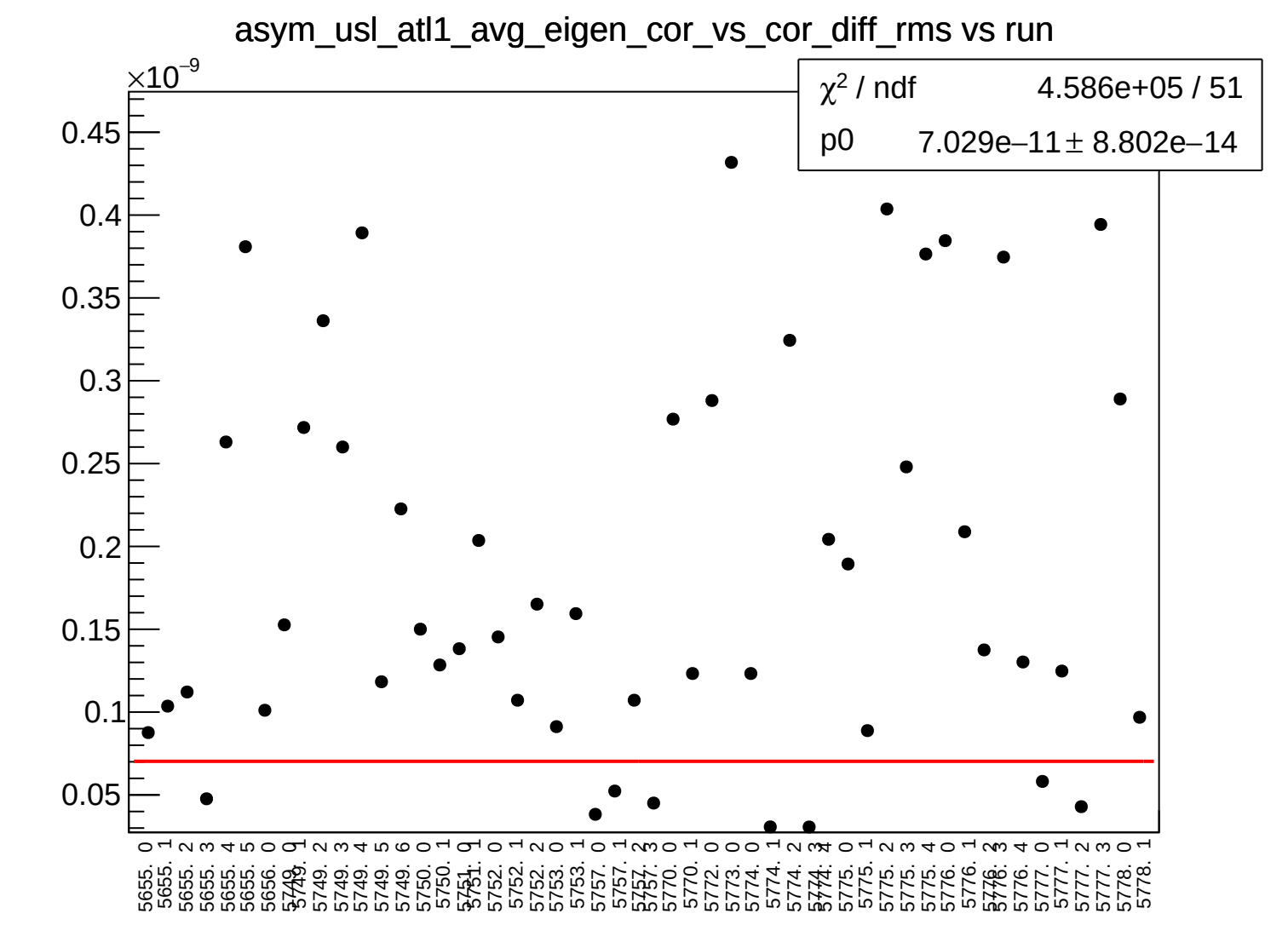

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.69e+05 / 51
p0 84.04 ± 0.0924
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

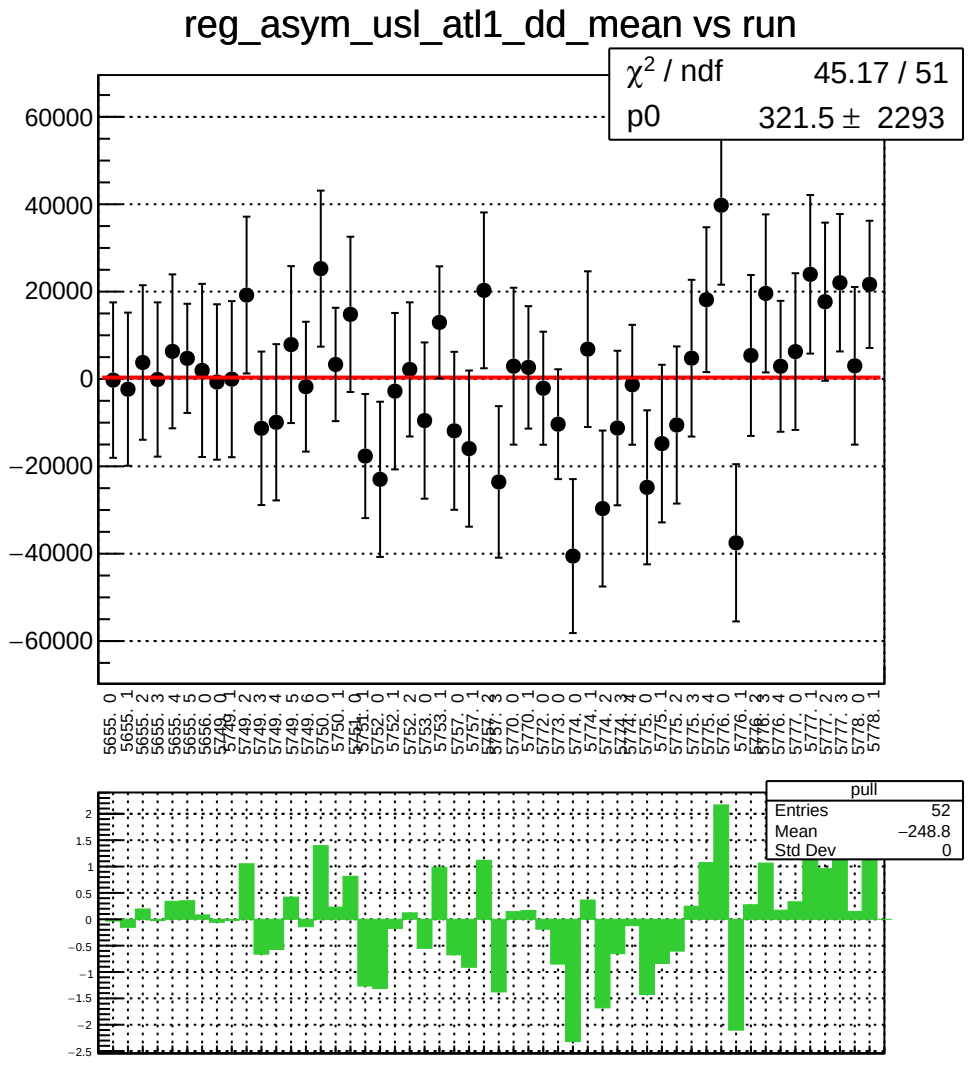

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.52 / 51
p0 0.03988 ± 0.1307
pull
Entries 52
Mean −34.63
Std Dev 0
pull1D
Entries 52
Mean 0.01288
Std Dev 1.061

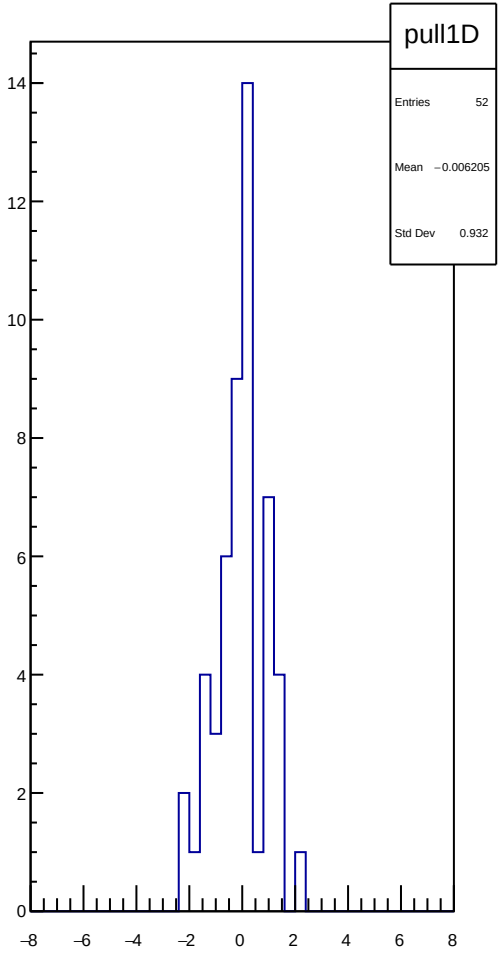

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.69e+05 / 51
p0 84.04 ± 0.0924
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

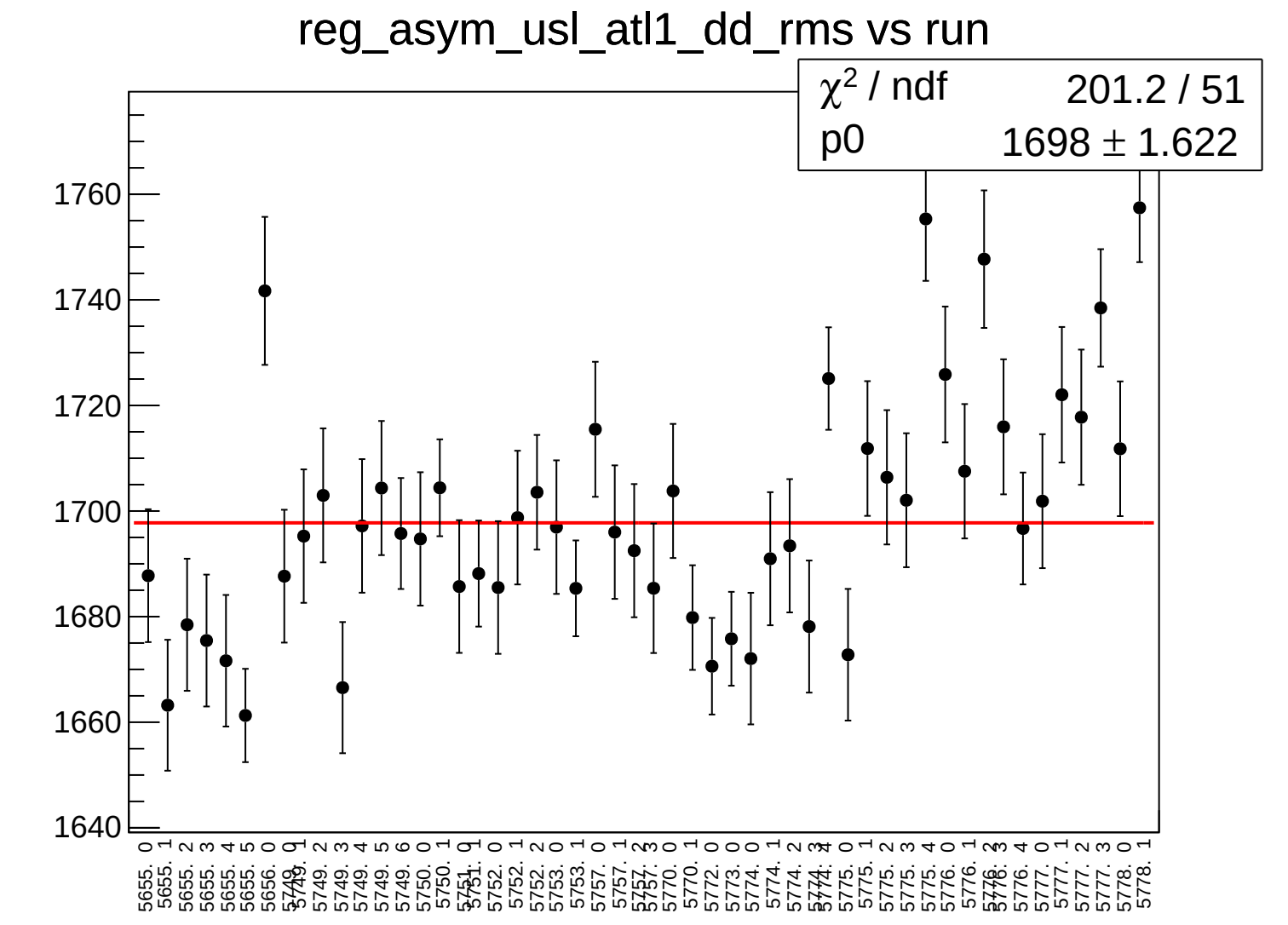

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 60.71 / 51
p0 2.195e−14 ± 1.245e−13
pull
Entries 52
Mean −141.7
Std Dev 0


pull1D
Entries 52
Mean 0.01471
Std Dev 1.08


asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.586e+05 / 51
p0 7.029e−11 ± 8.802e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


reg_asym_usl_atl1_dd_mean vs run
χ² / ndf 45.17 / 51
p0 321.5 ± 2293
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −248.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 52
Mean −0.006205
Std Dev 0.932
14
12
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 201.2 / 51
p0 1698 ± 1.622
1760
1740
1720
1700
1680
1660
1640
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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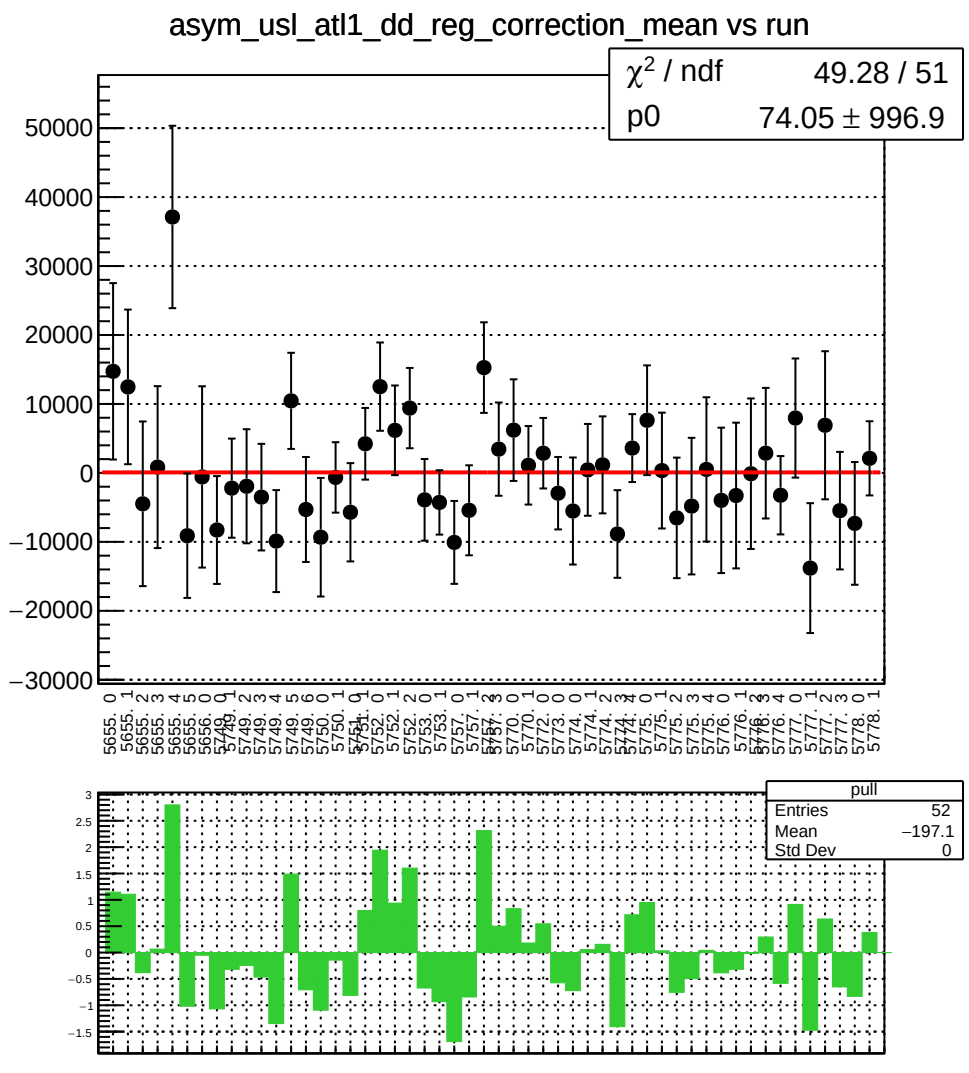
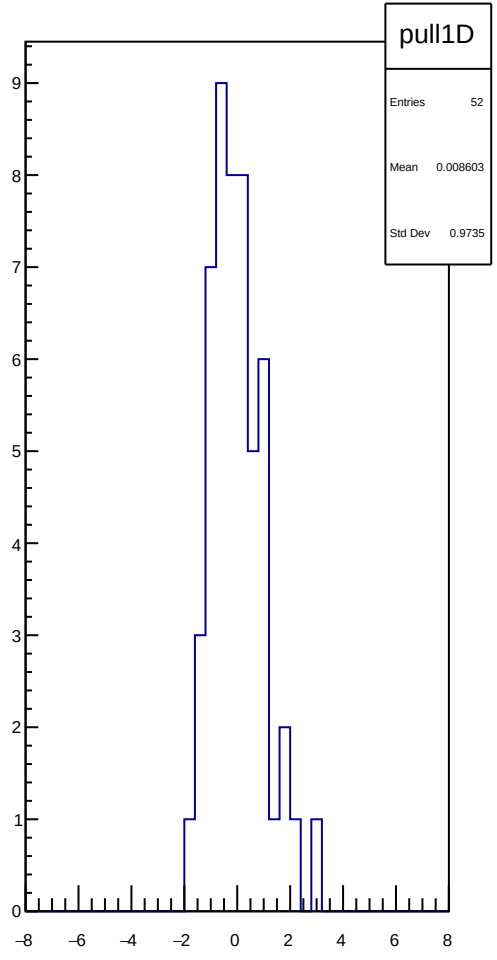
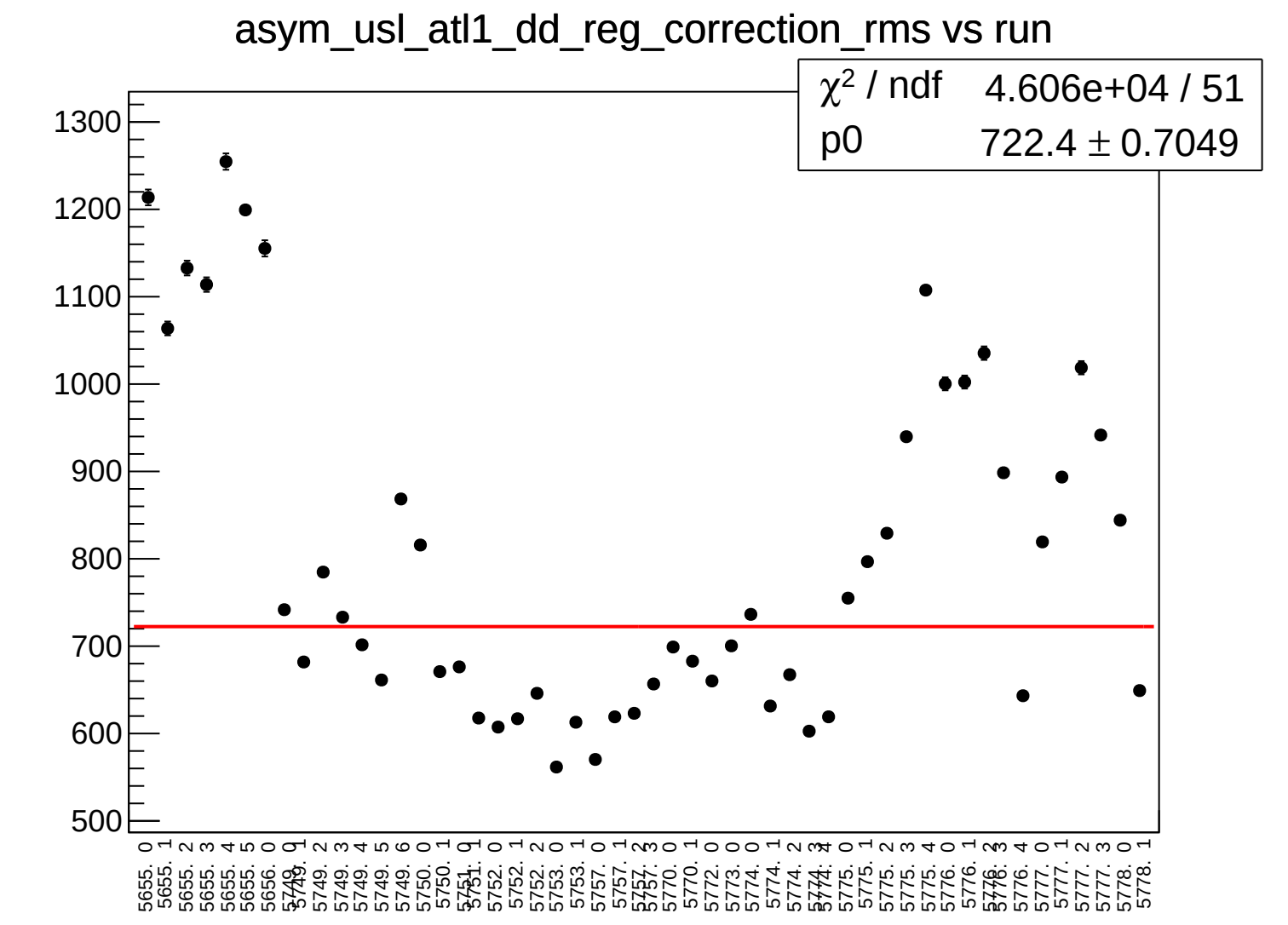
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usl_atl1_dd_reg_correction_mean vs run
χ² / ndf 49.28 / 51
p0 74.05 ± 996.9
pull
Entries 52
Mean −197.1
Std Dev 0


pull1D
Entries 52
Mean 0.008603
Std Dev 0.9735


asym_usl_atl1_dd_reg_correction_rms vs run
χ² / ndf 4.606e+04 / 51
p0 722.4 ± 0.7049
1300
1200
1100
1000
900
800
700
600
500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
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5757. 1
5757. 2
5757. 3
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5770. 1
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5774. 0
5774. 1
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5774. 3
5774. 4
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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5776. 3
5776. 4
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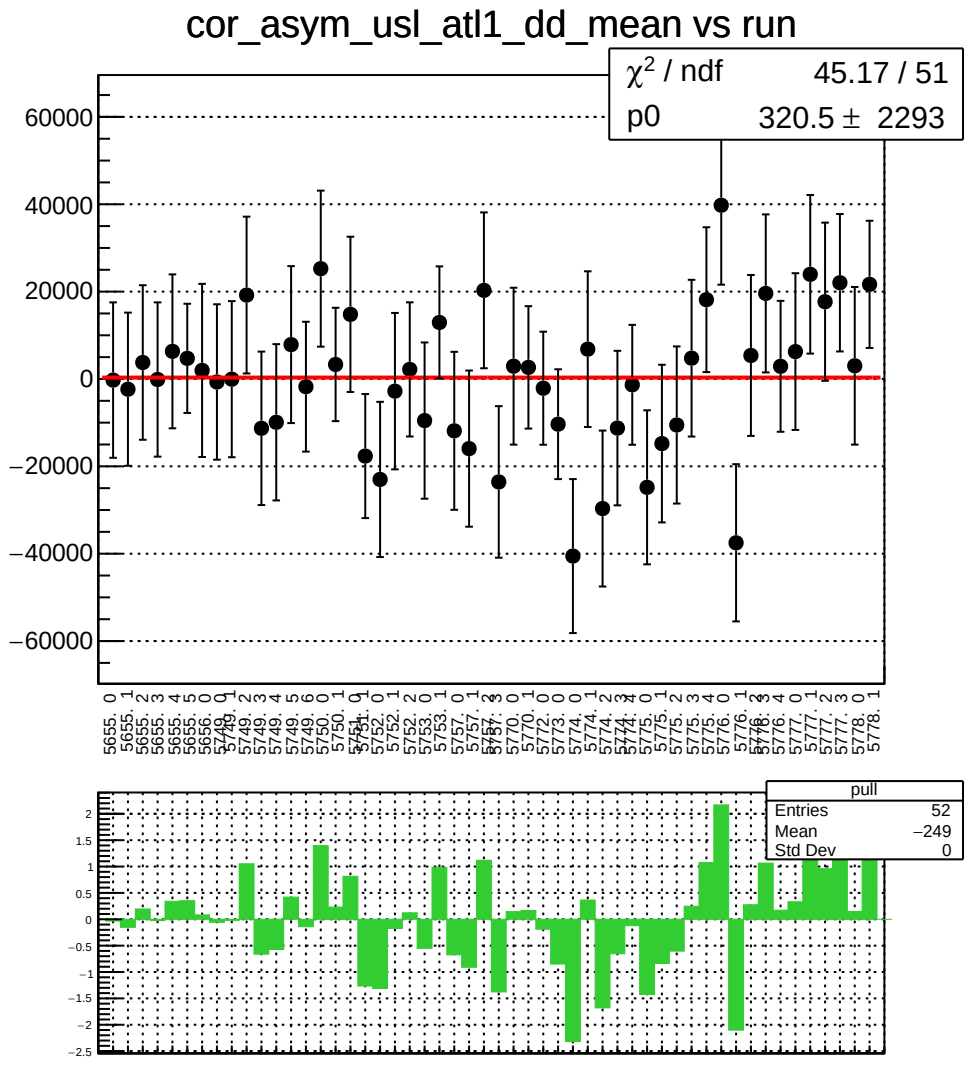
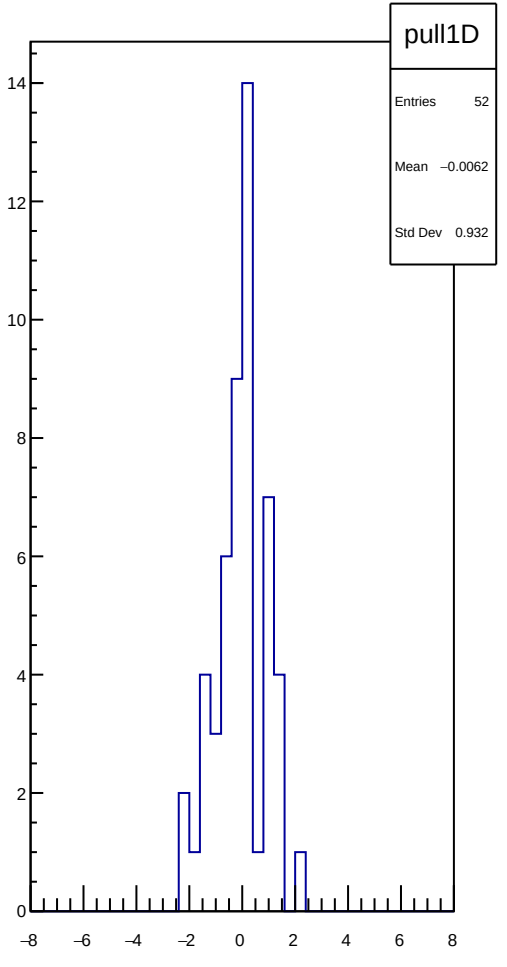
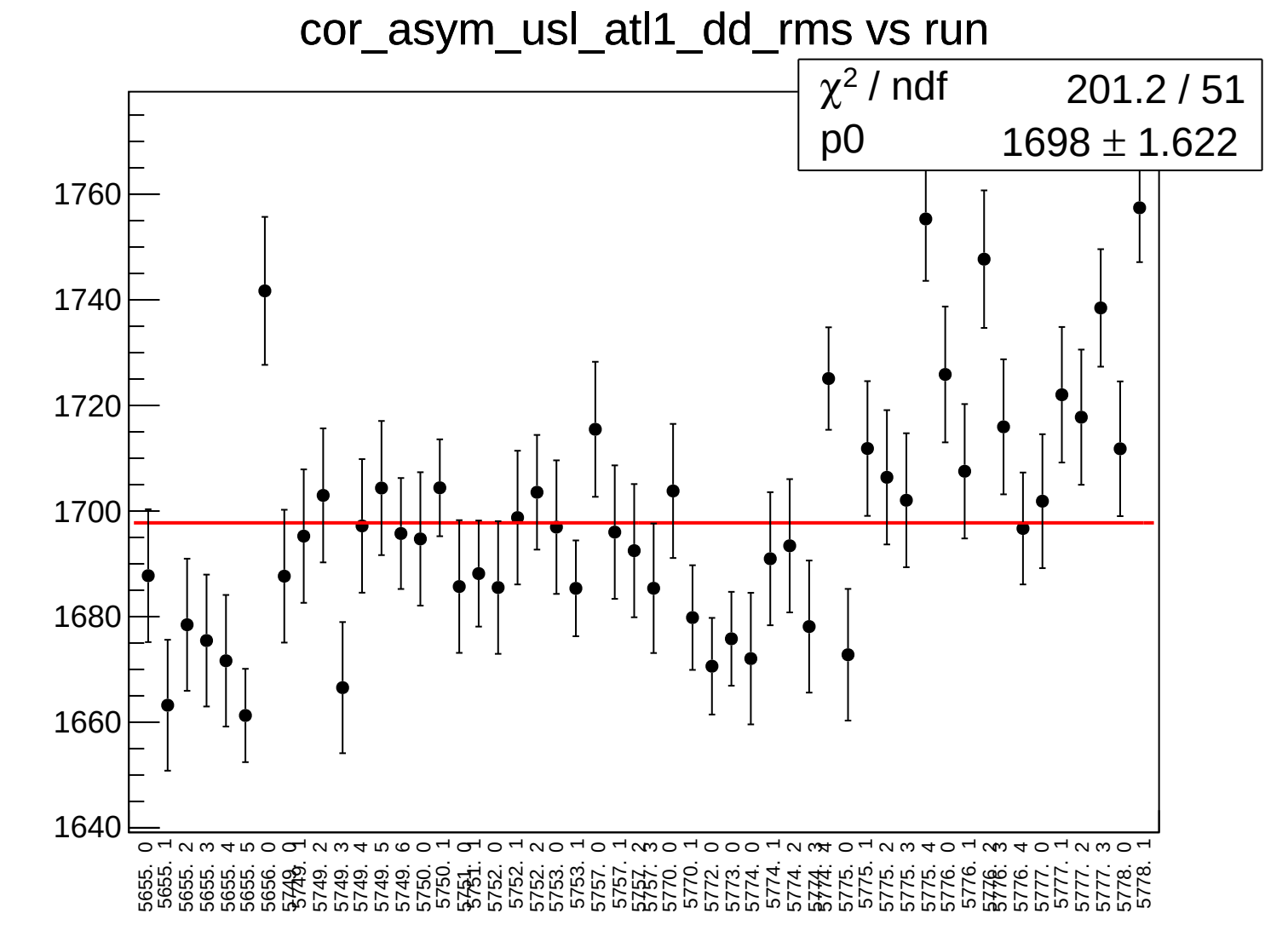
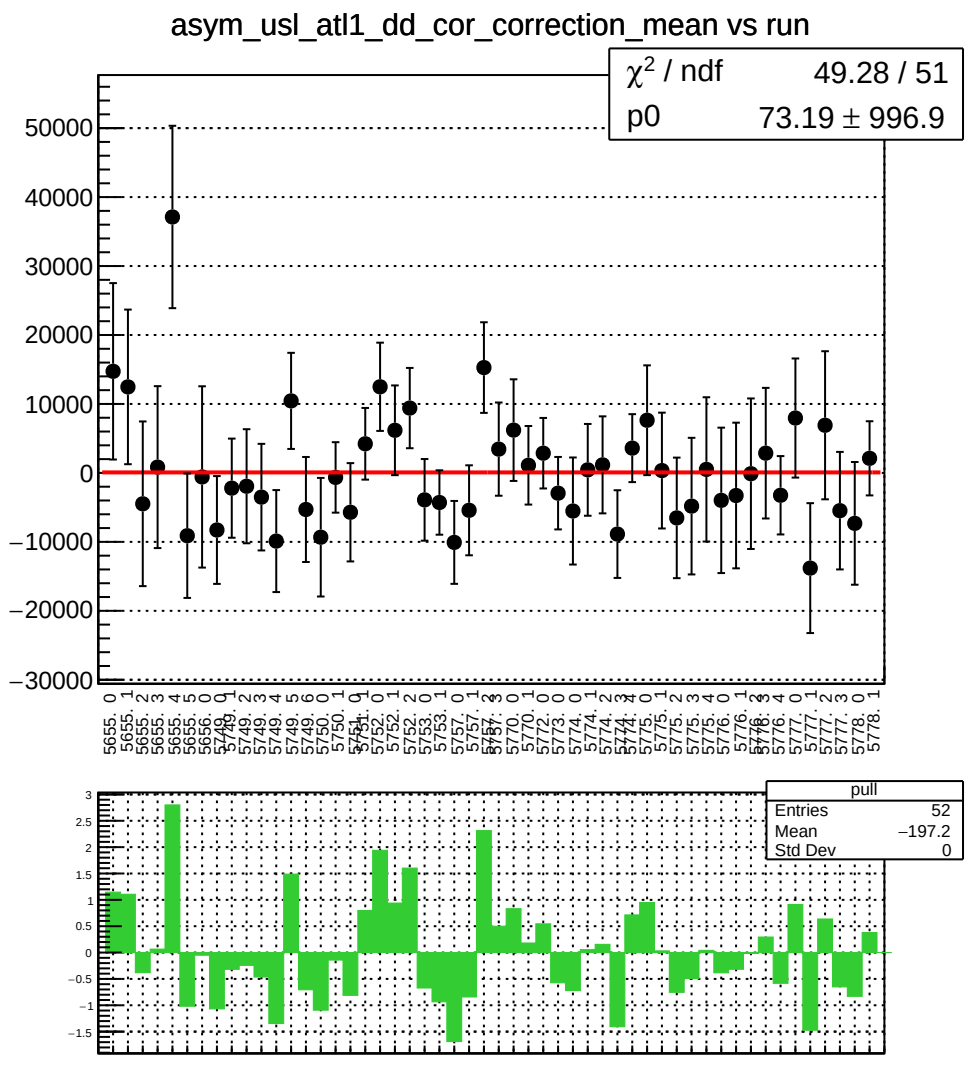
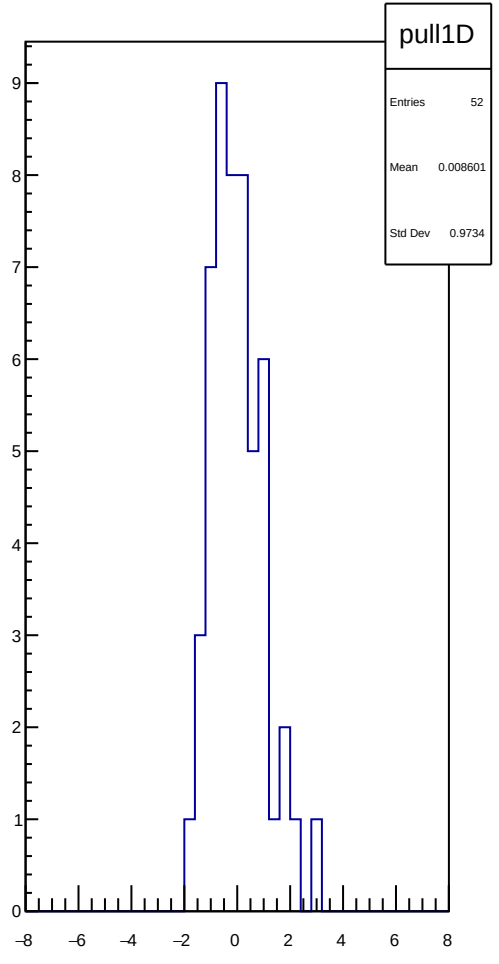
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

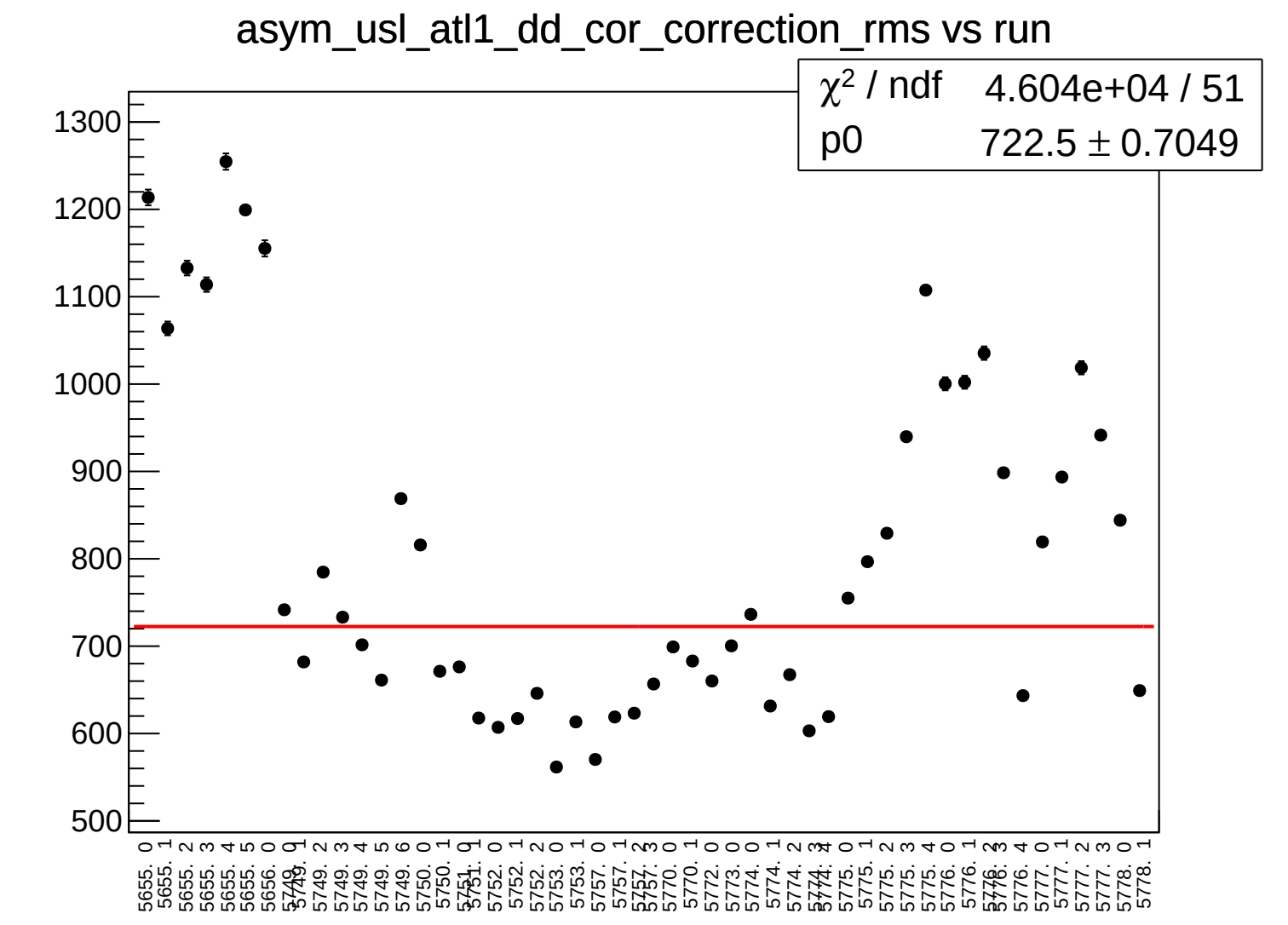

cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 45.17 / 51
p0 320.5 ± 2293
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −249
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 52
Mean −0.0062
Std Dev 0.932
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_usl_atl1_dd_rms vs run
χ^2 / ndf 201.2 / 51
p0 1698 ± 1.622
1760
1740
1720
1700
1680
1660
1640
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usl_atl1_dd_cor_correction_mean vs run
χ² / ndf 49.28 / 51
p0 73.19 ± 996.9
pull
Entries 52
Mean −197.2
Std Dev 0


pull1D
Entries 52
Mean 0.008601
Std Dev 0.9734


asym_usl_atl1_dd_cor_correction_rms vs run
χ² / ndf 4.604e+04 / 51
p0 722.5 ± 0.7049
1300
1200
1100
1000
900
800
700
600
500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
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5773. 0
5774. 0
5774. 1
5774. 2
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5774. 4
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
5777. 0
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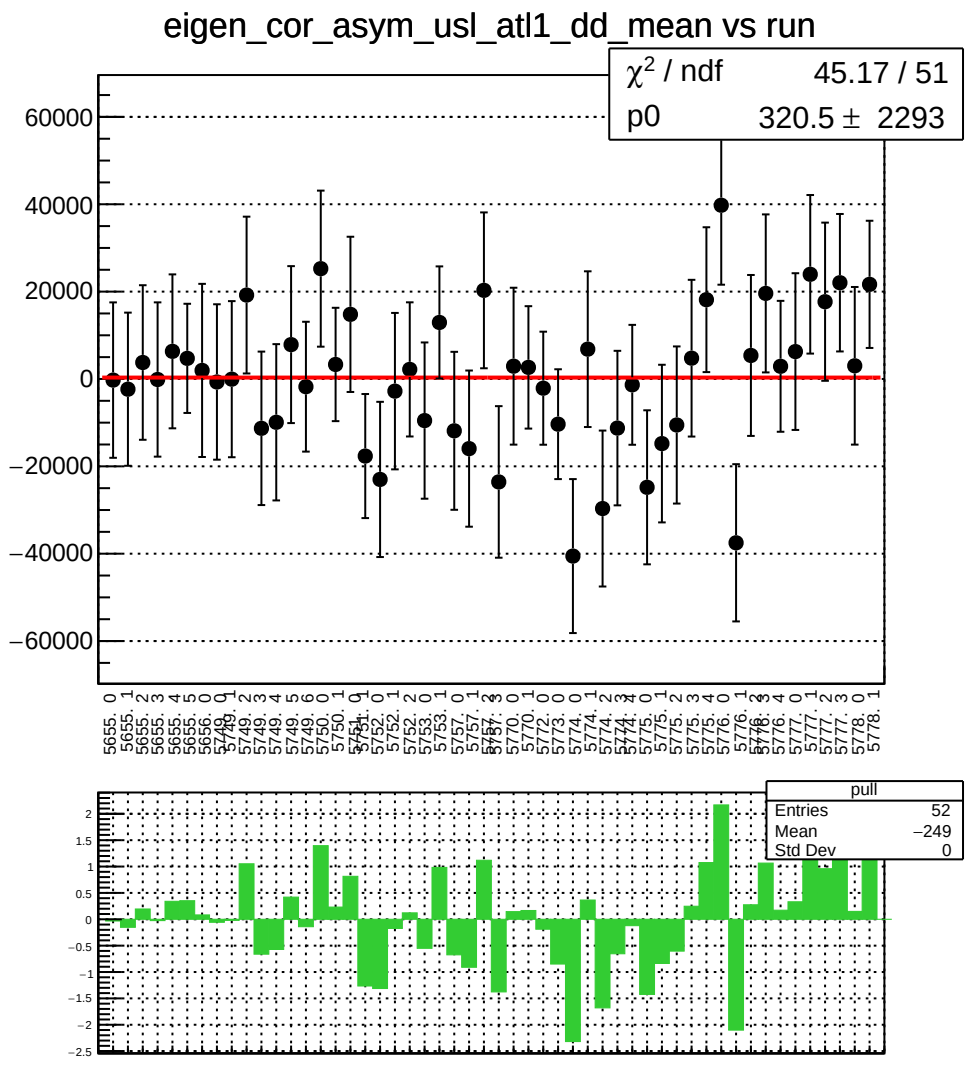
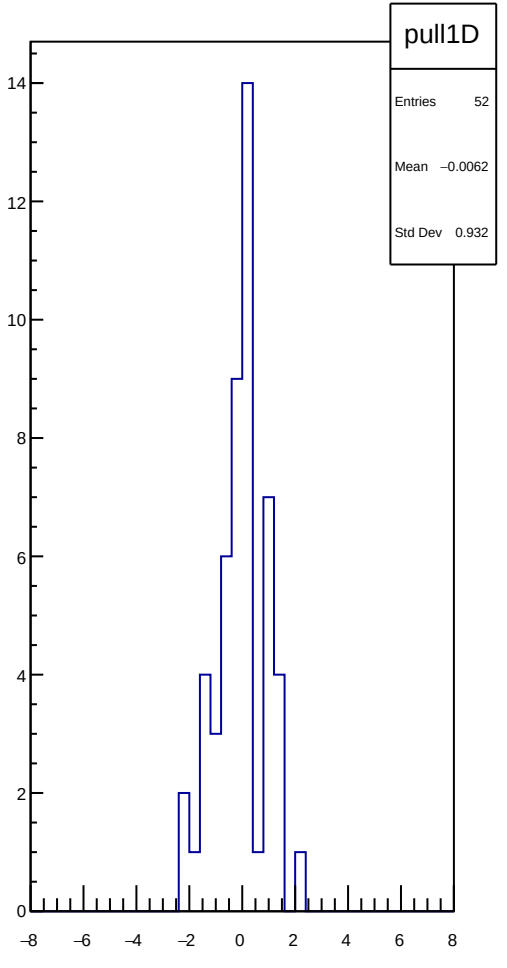
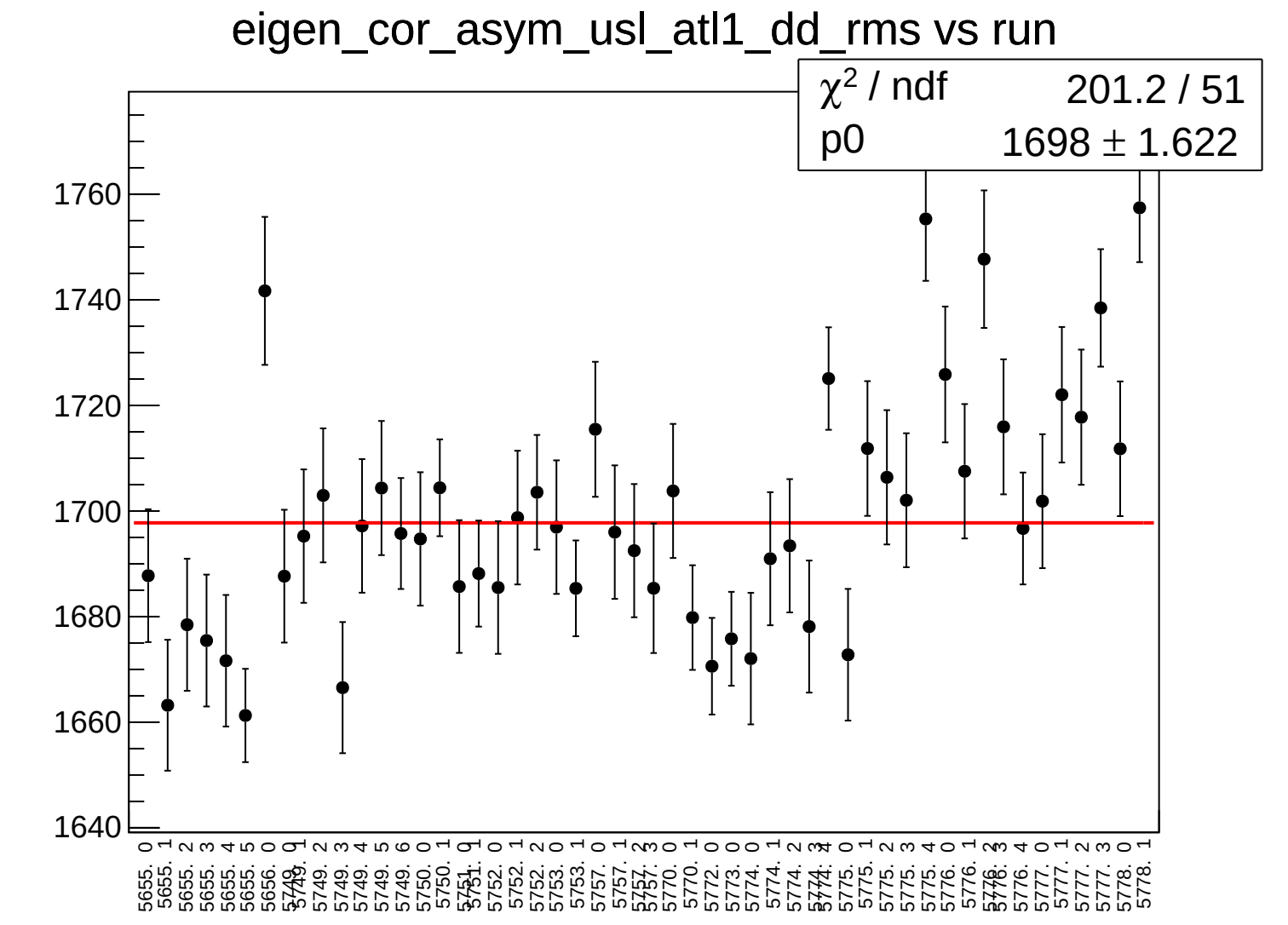
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 45.17 / 51
p0 320.5 ± 2293
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −249
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 52
Mean −0.0062
Std Dev 0.932
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 201.2 / 51
p0 1698 ± 1.622
1760
1740
1720
1700
1680
1660
1640
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
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5757. 2
5757. 3
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5770. 1
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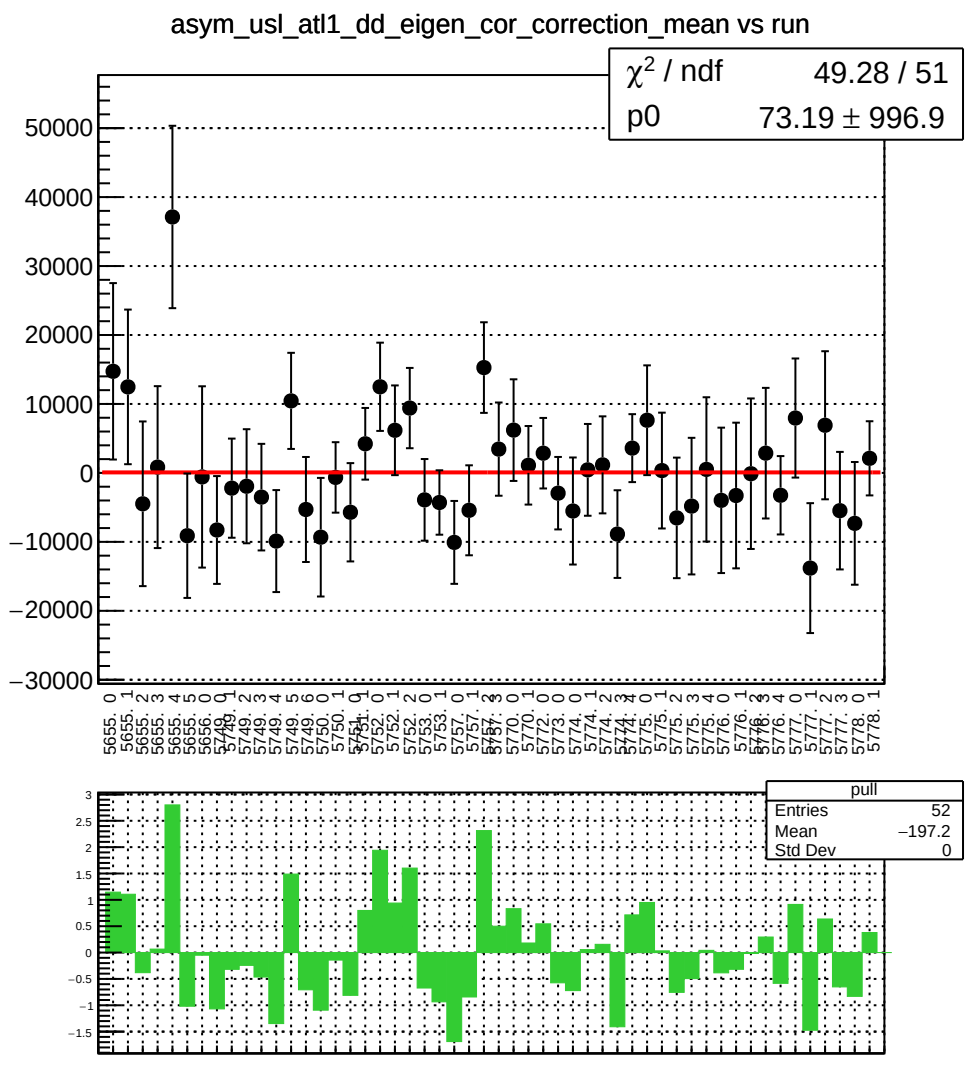
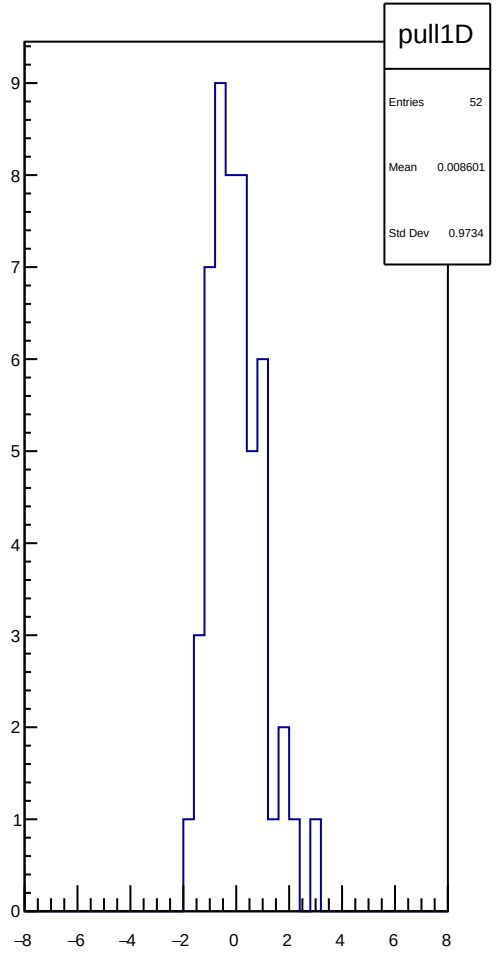
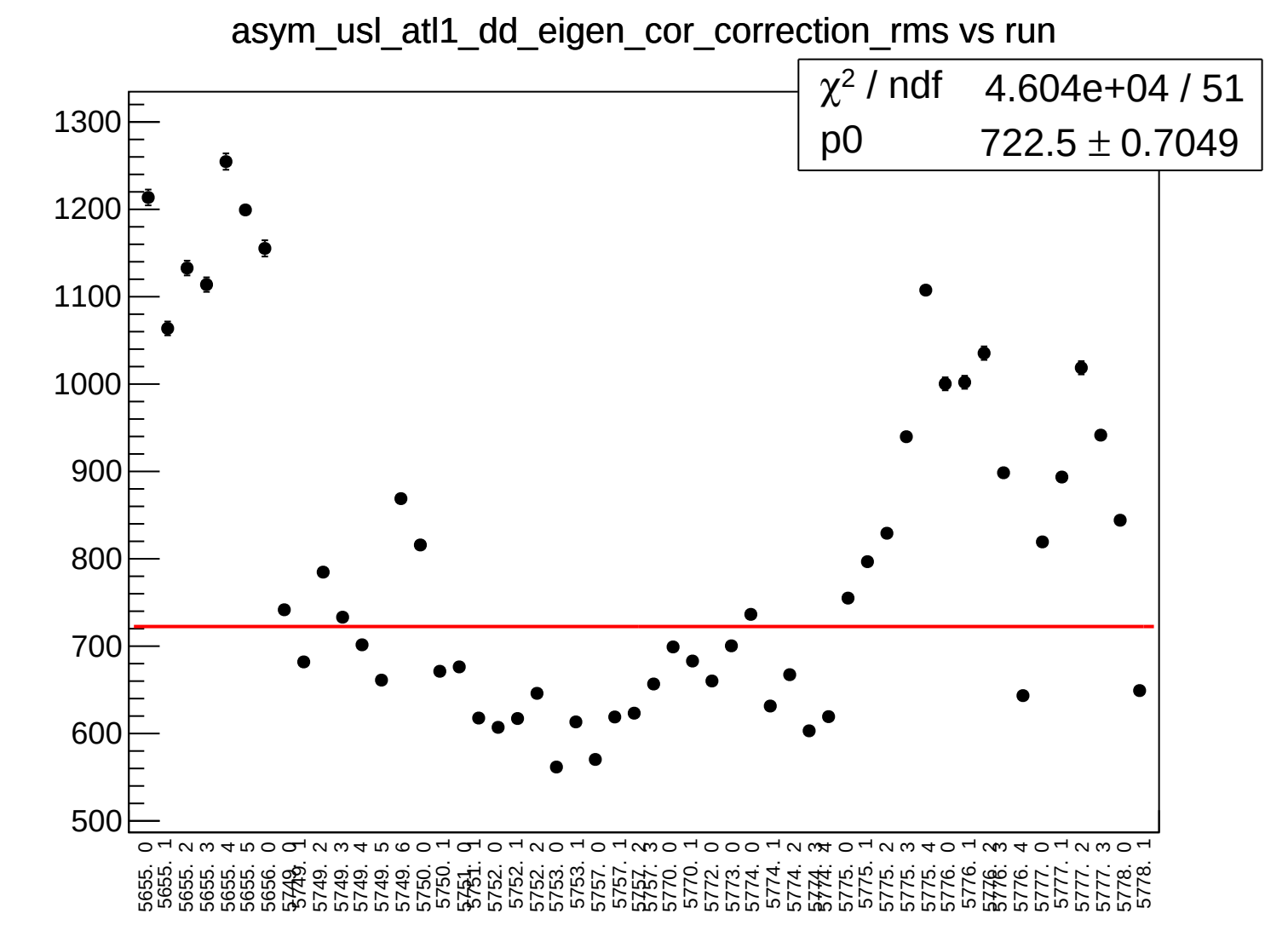
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usl_atl1_dd_eigen_cor_correction_mean vs run
χ² / ndf 49.28 / 51
p0 73.19 ± 996.9
pull
Entries 52
Mean −197.2
Std Dev 0


pull1D
Entries 52
Mean 0.008601
Std Dev 0.9734


asym_usl_atl1_dd_eigen_cor_correction_rms vs run
χ² / ndf 4.604e+04 / 51
p0 722.5 ± 0.7049
1300
1200
1100
1000
900
800
700
600
500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
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5774. 0
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5774. 2
5774. 3
5774. 4
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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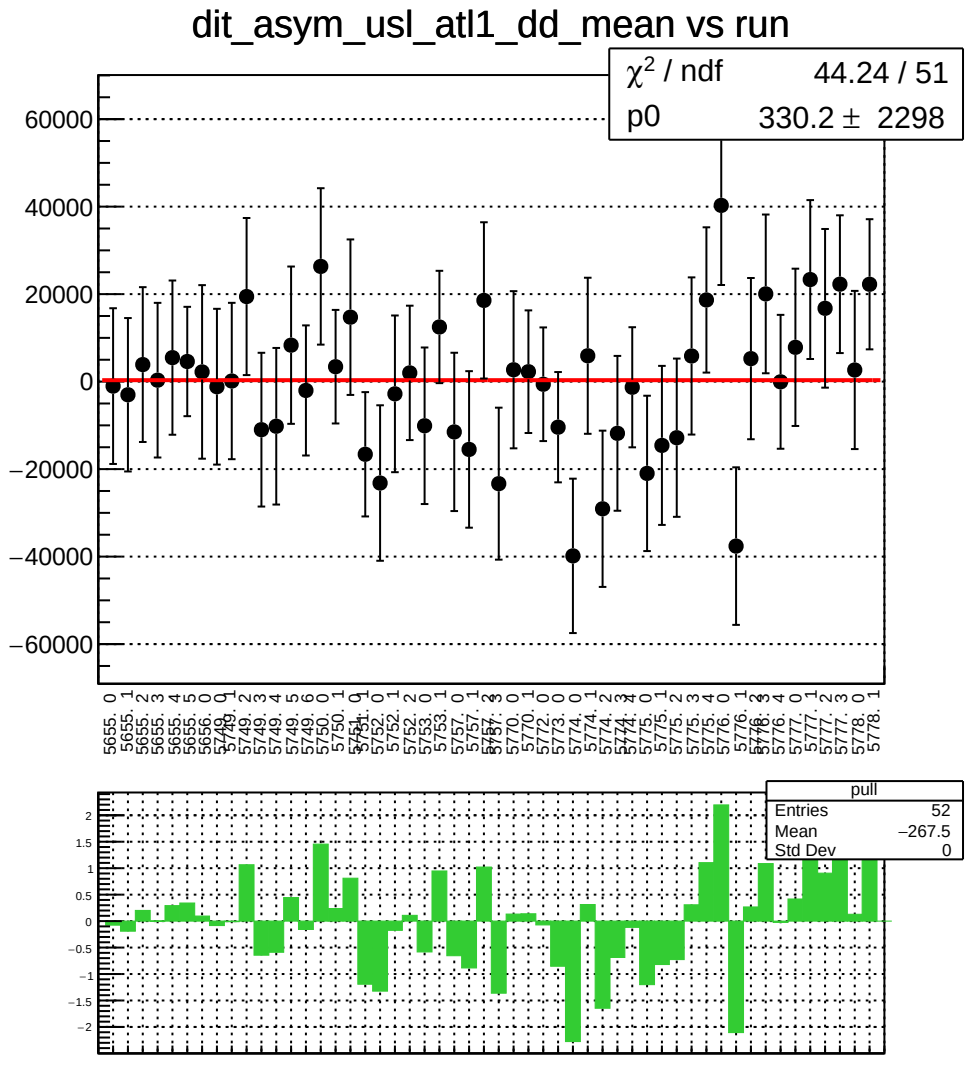
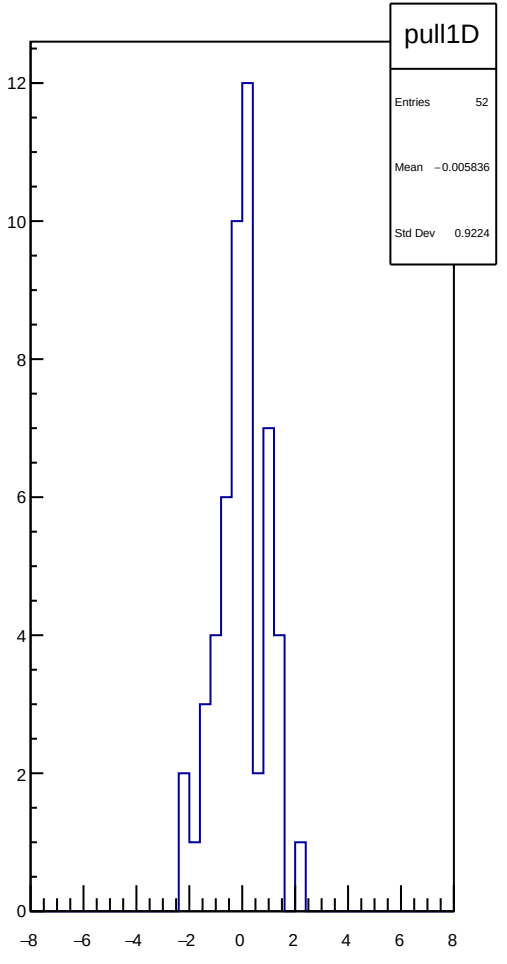
5778. 1


dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 44.24 / 51
p0 330.2 ± 2298
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −267.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean −0.005836
Std Dev 0.9224
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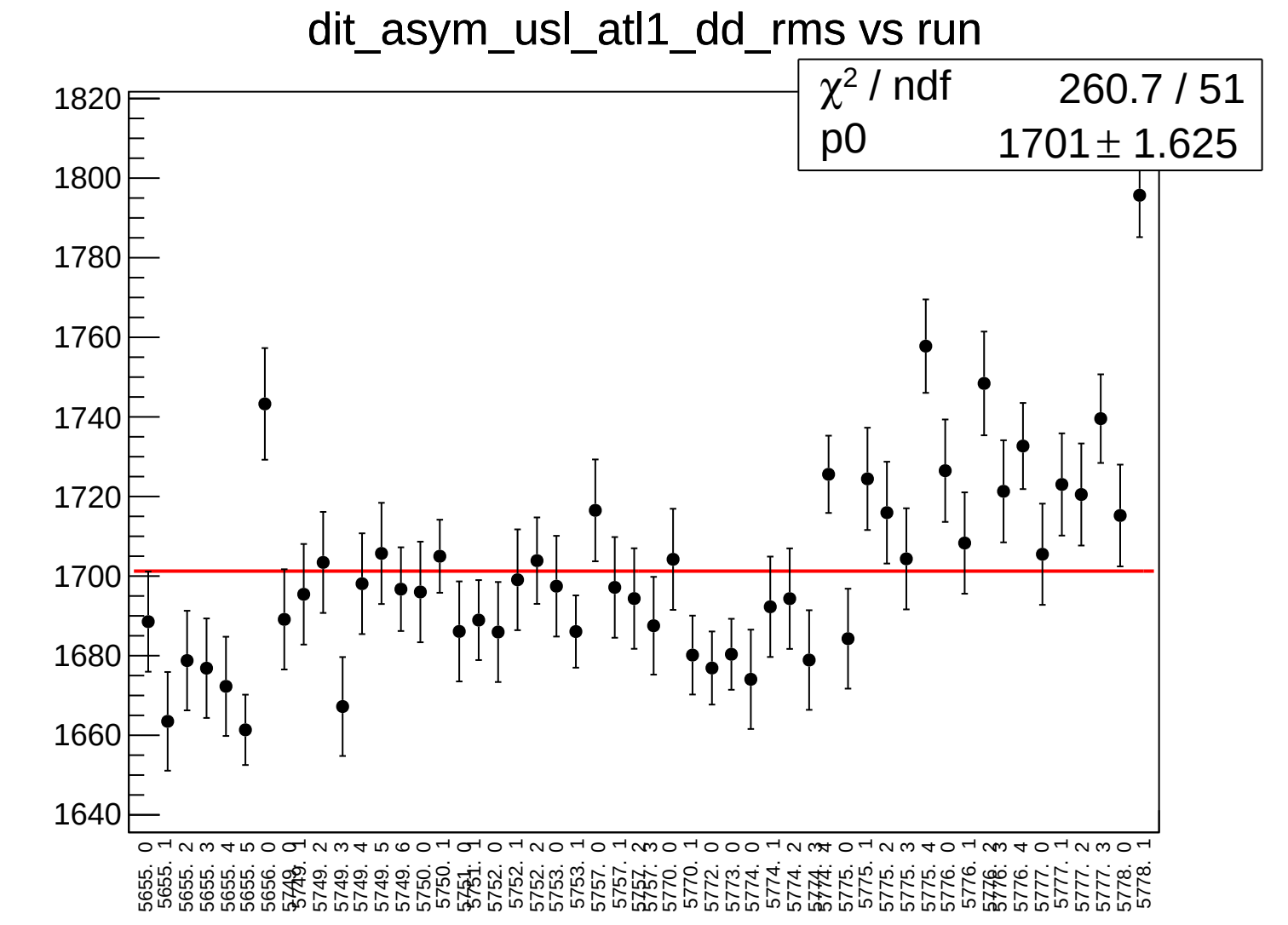
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 260.7 / 51
p0 1701 ± 1.625
1820
1800
1780
1760
1740
1720
1700
1680
1660
1640
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
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5777. 1
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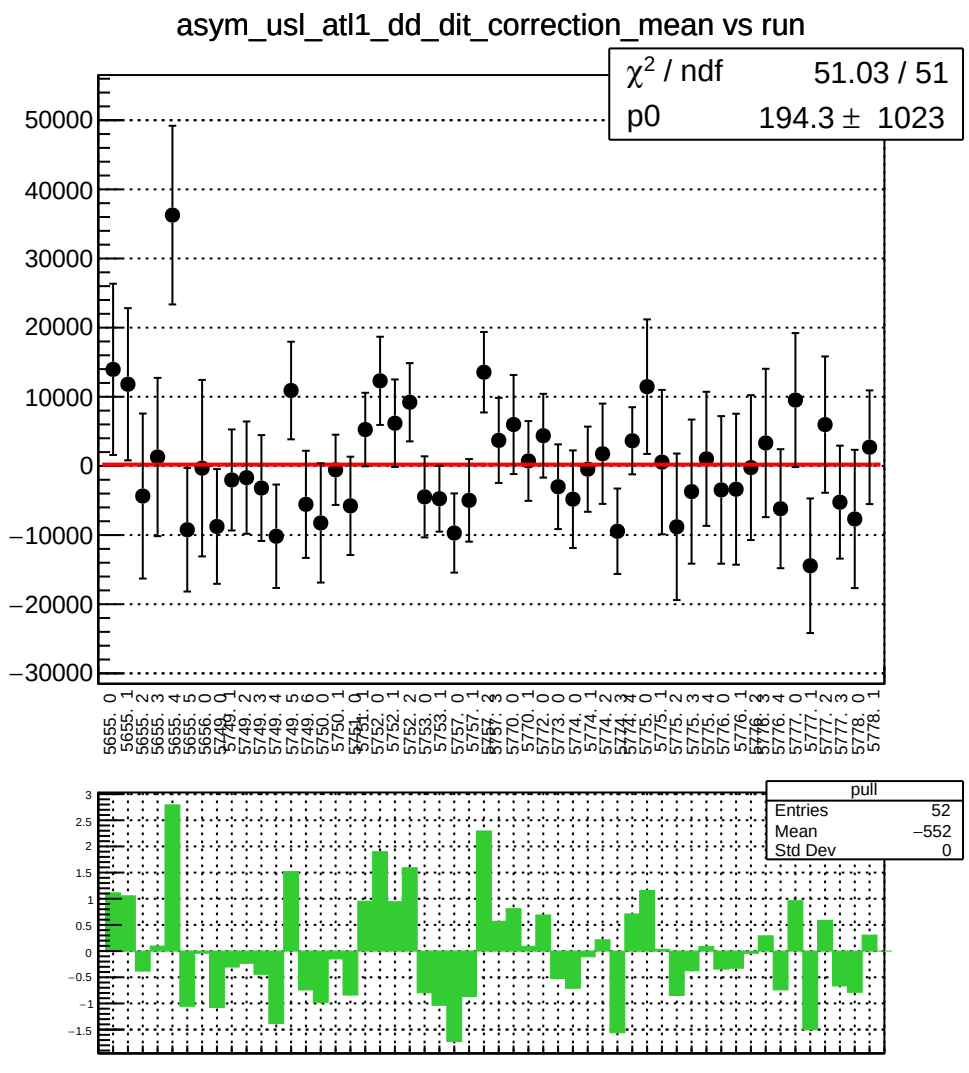
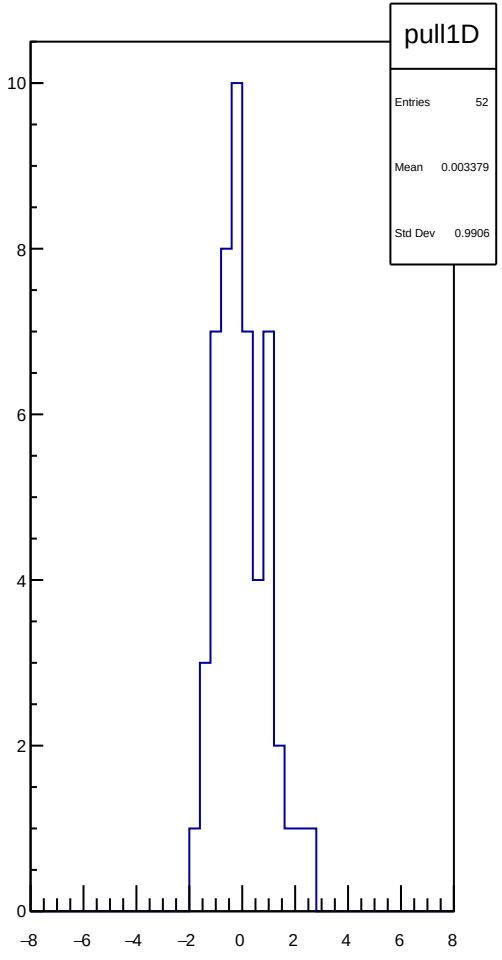
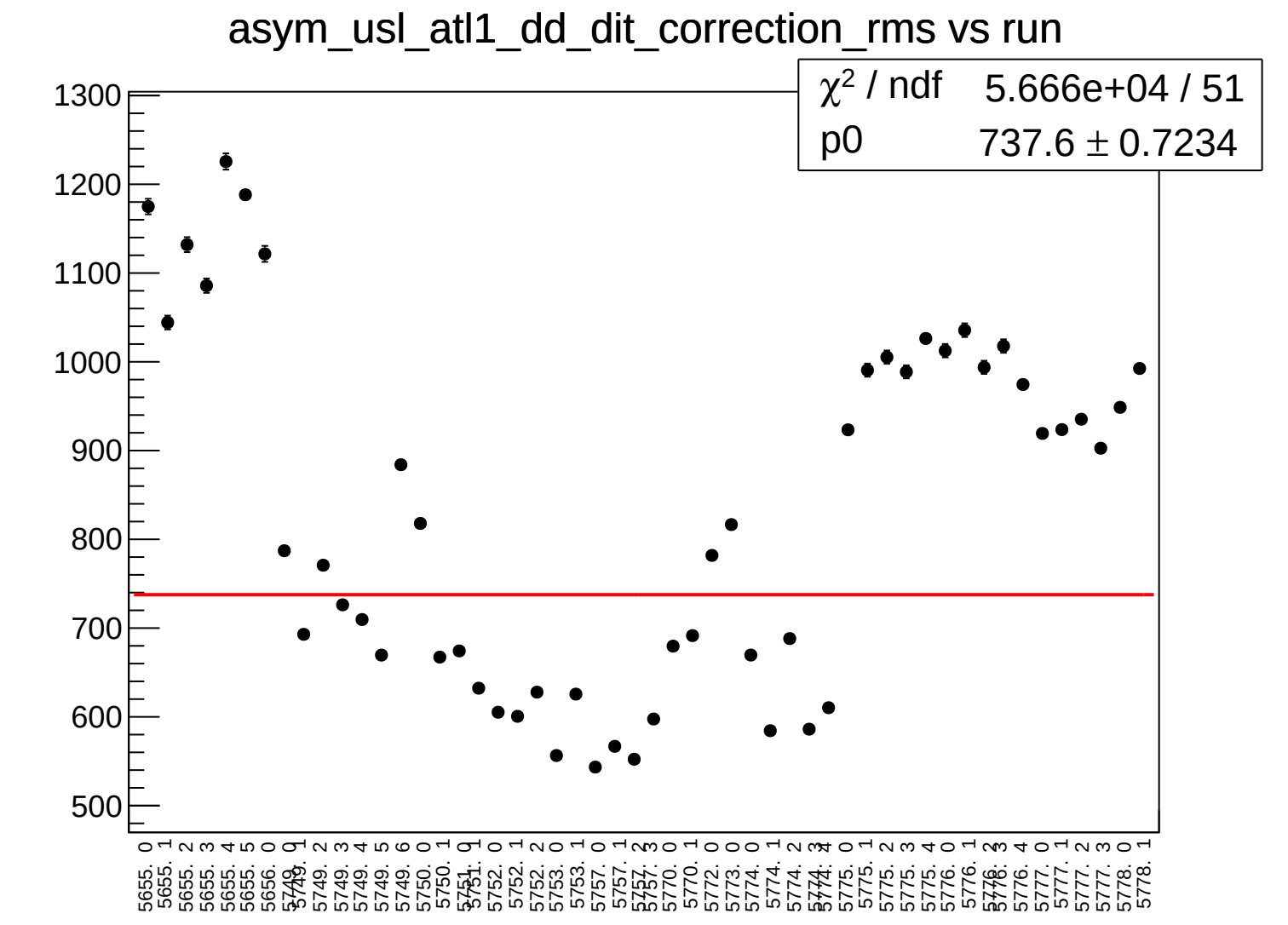

asym_usl_atl1_dd_dit_correction_mean vs run
χ² / ndf 51.03 / 51
p0 194.3 ± 1023
pull
Entries 52
Mean −552
Std Dev 0


pull1D
Entries 52
Mean 0.003379
Std Dev 0.9906


asym_usl_atl1_dd_dit_correction_rms vs run
χ² / ndf 5.666e+04 / 51
p0 737.6 ± 0.7234
1300
1200
1100
1000
900
800
700
600
500
5655. 0
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5655. 2
5655. 3
5655. 4
5655. 5
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5749. 3
5749. 4
5749. 5
5749. 6
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5772. 0
5773. 0
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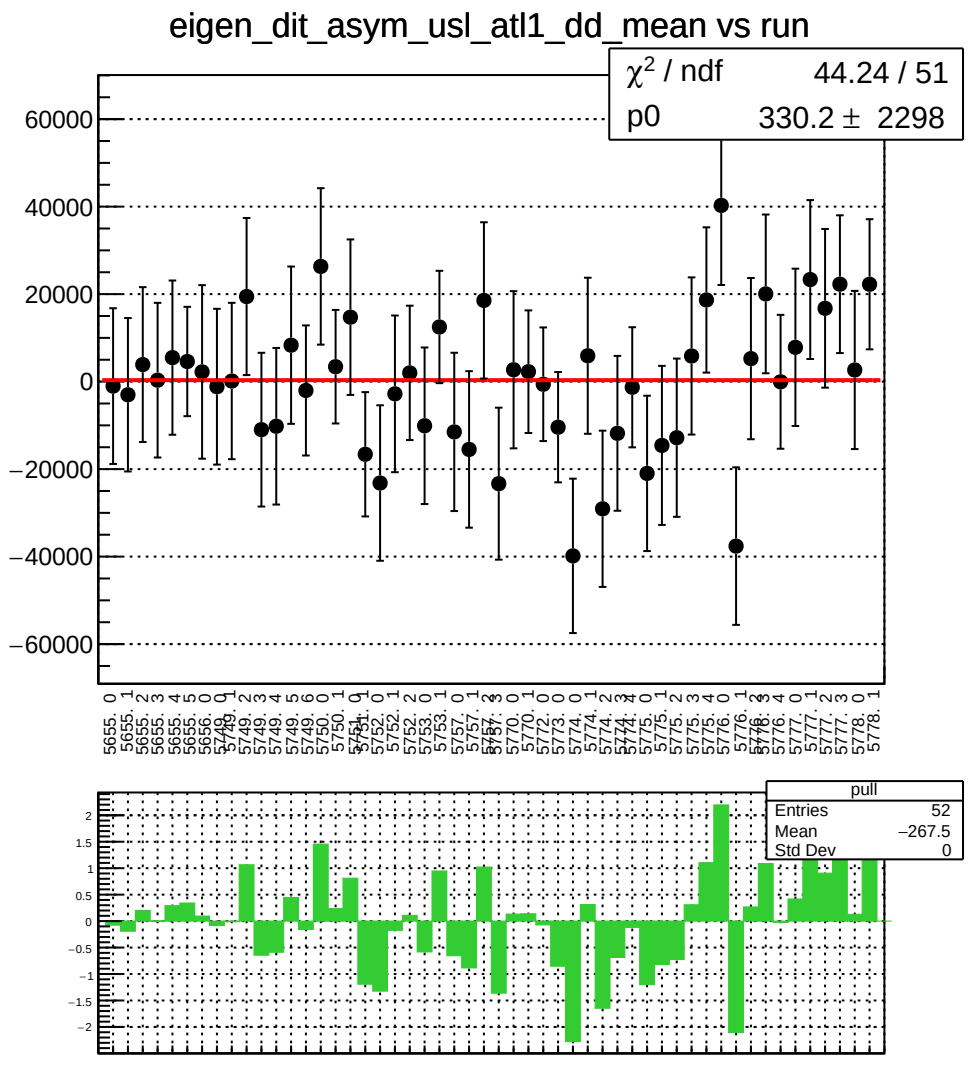
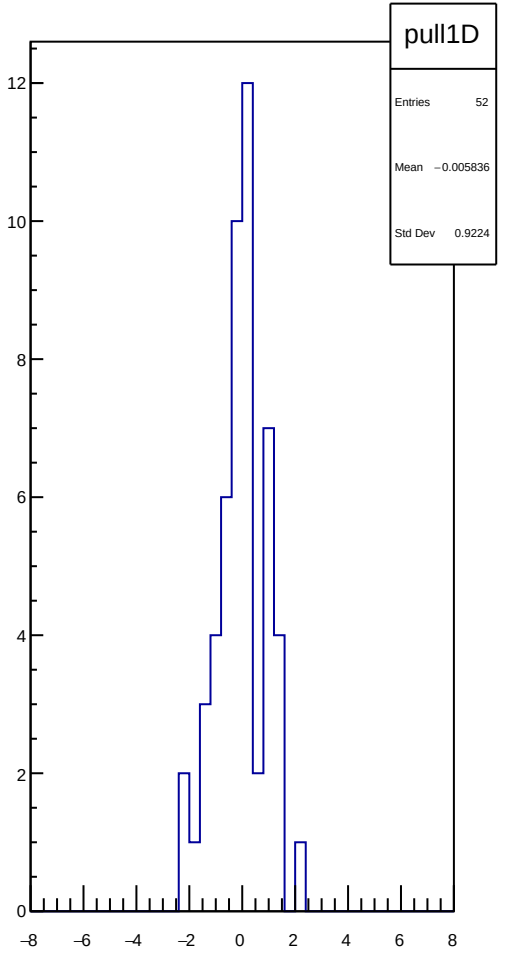
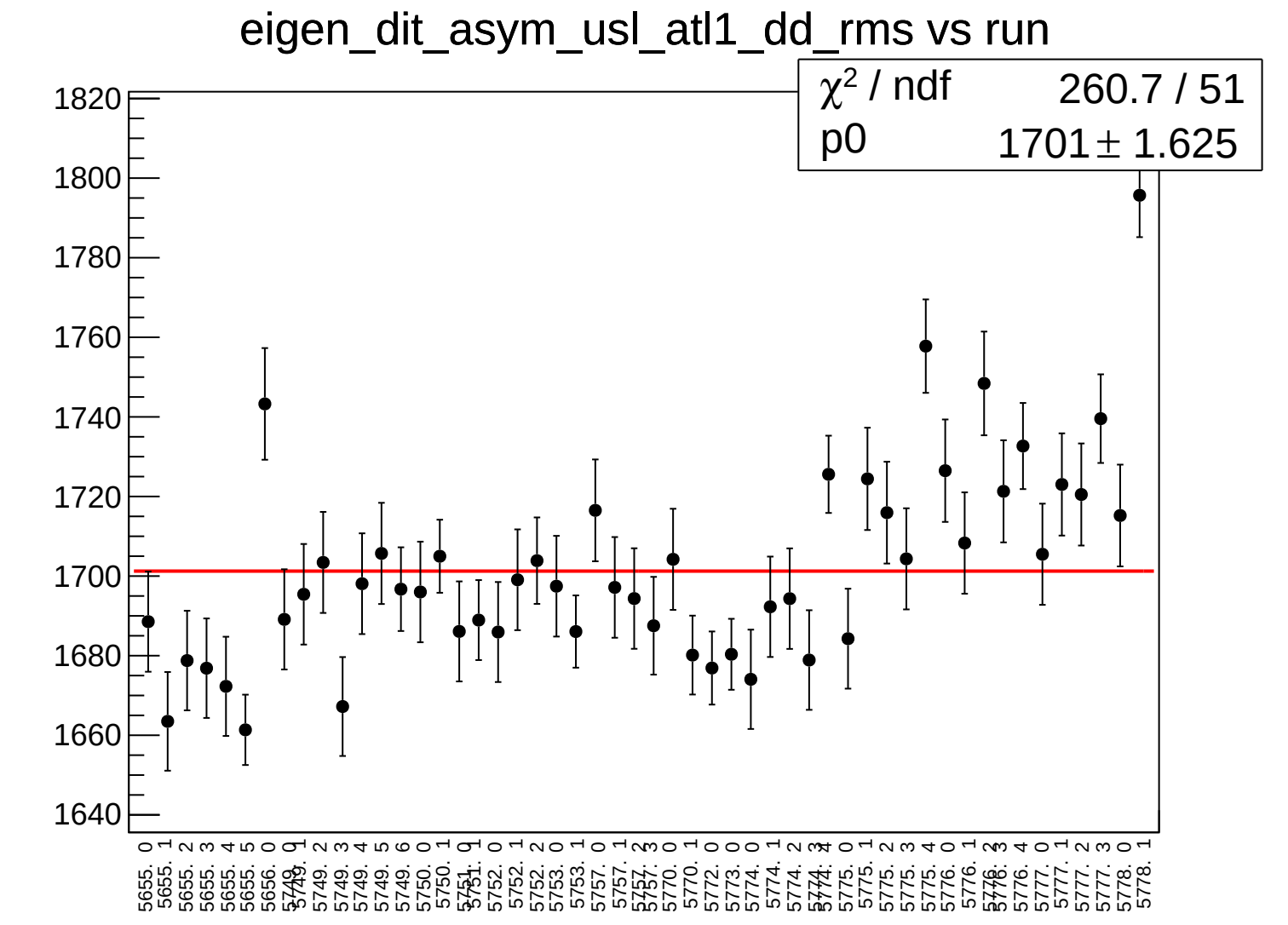

eigen_dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 44.24 / 51
p0 330.2 ± 2298
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −267.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean −0.005836
Std Dev 0.9224
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 260.7 / 51
p0 1701 ± 1.625
1820
1800
1780
1760
1740
1720
1700
1680
1660
1640
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
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5749. 2
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5749. 5
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5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
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5776. 2
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5777. 2
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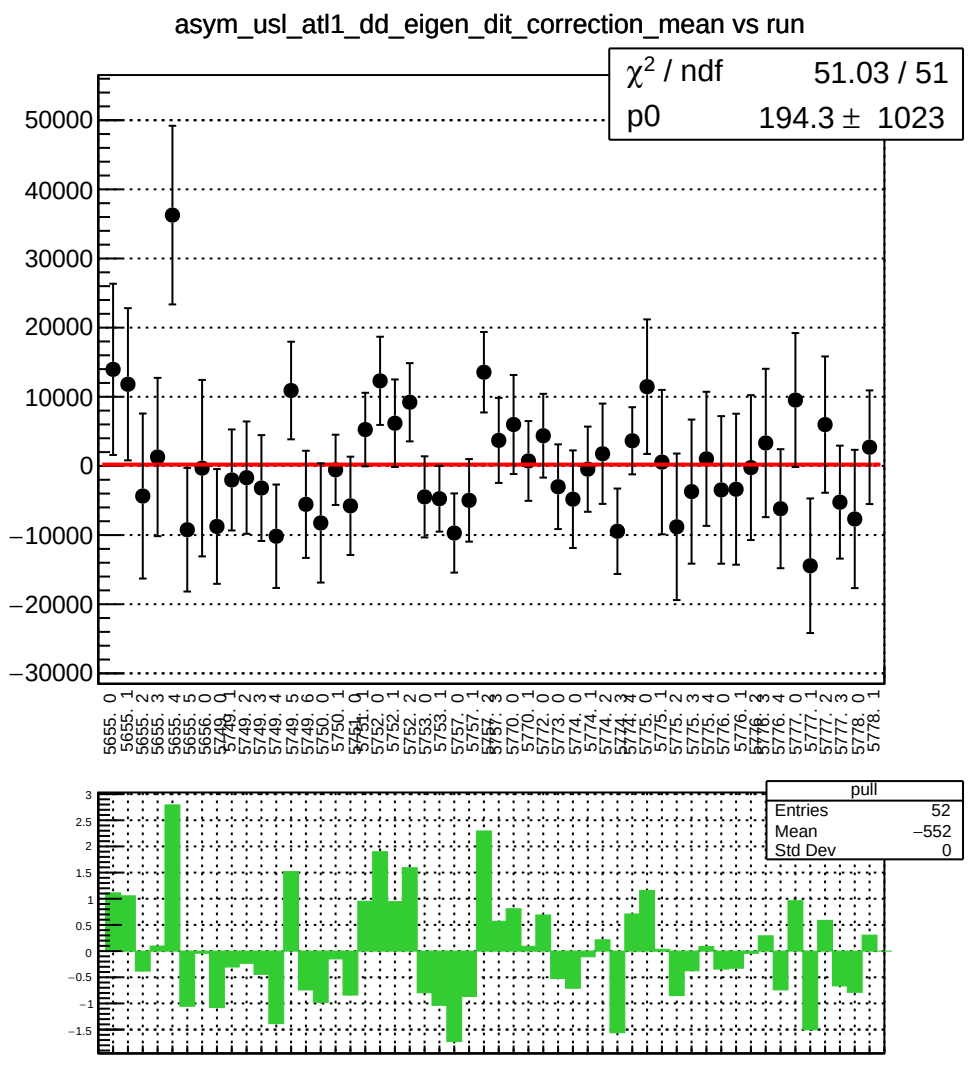
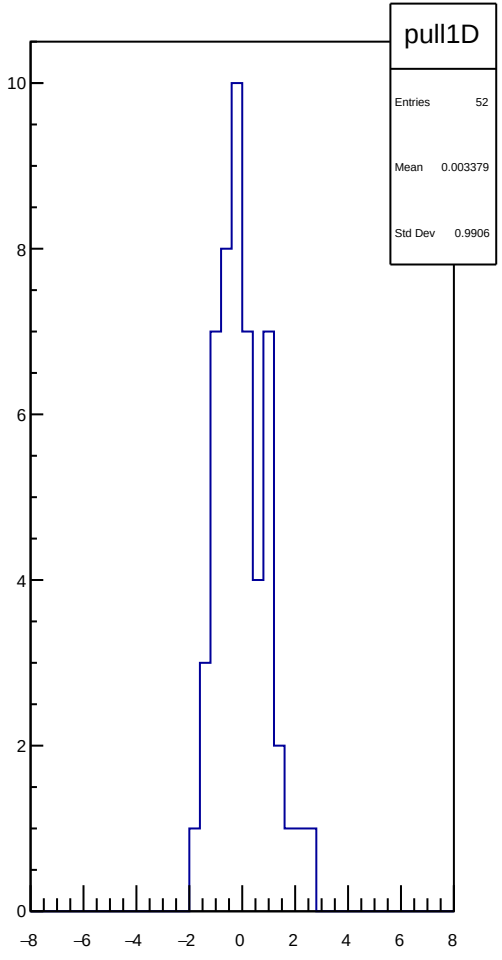
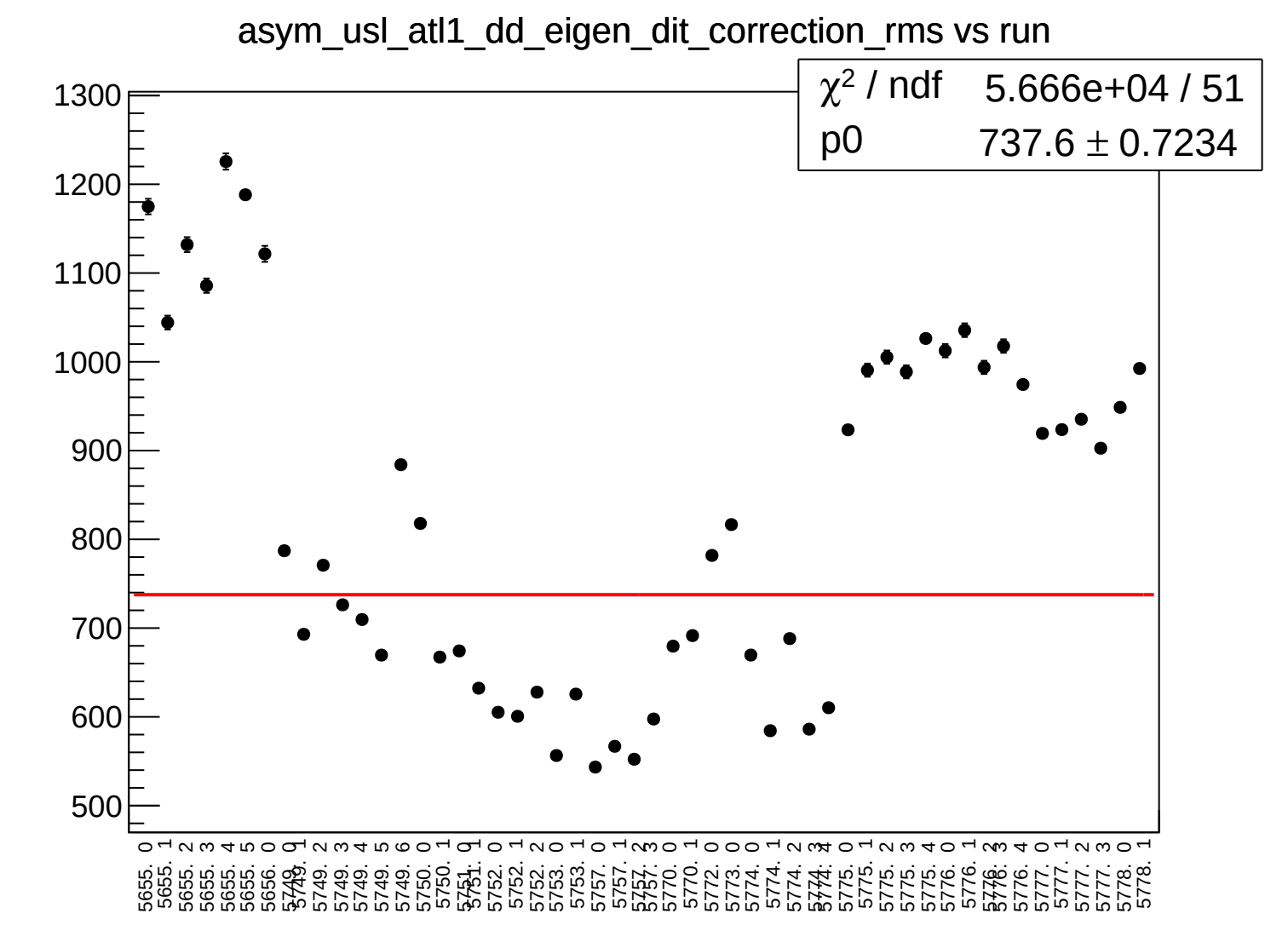
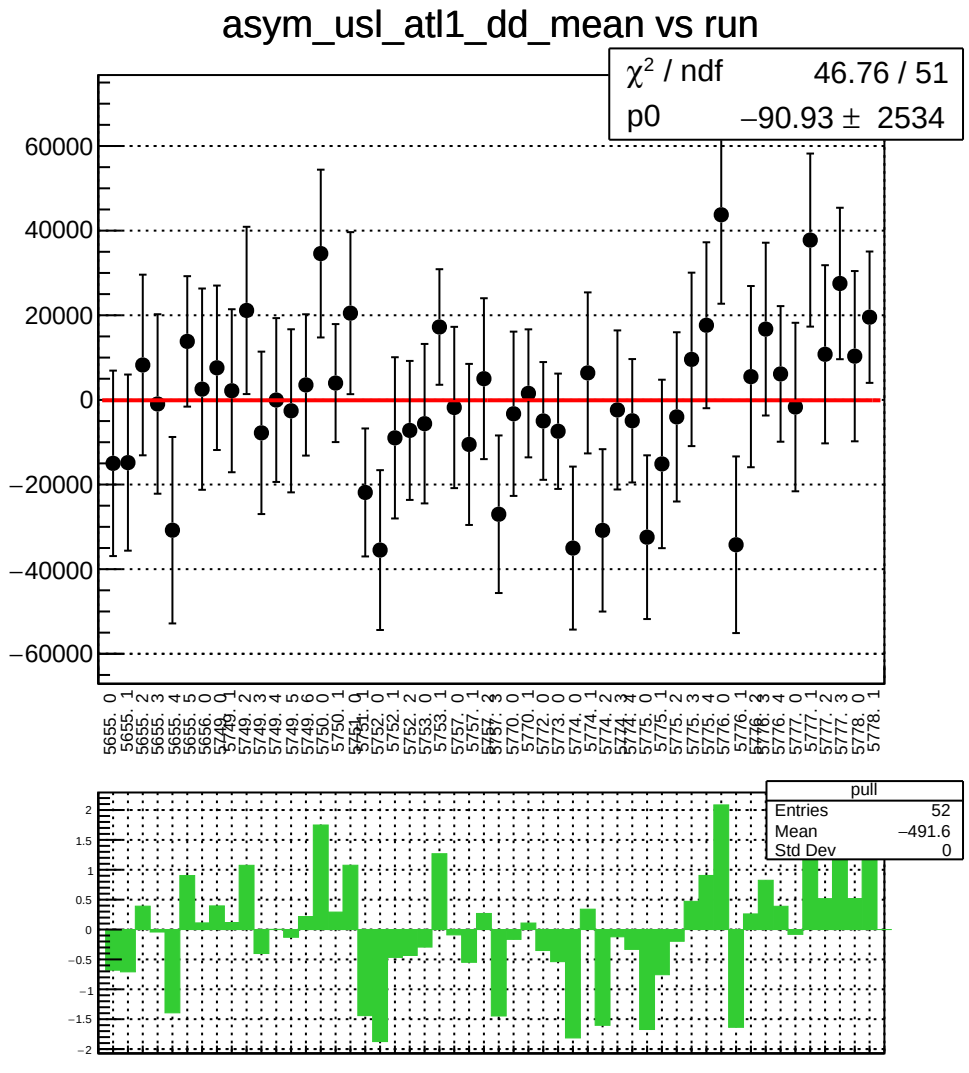
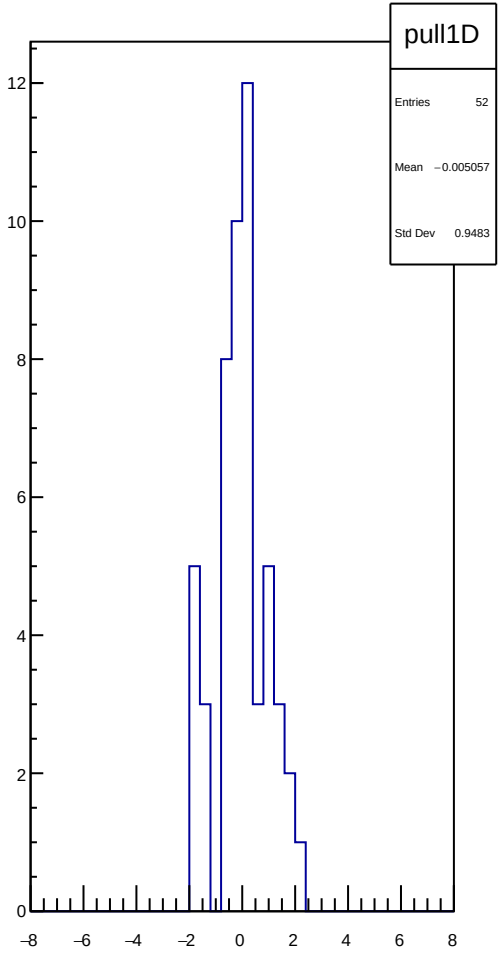
5778. 0
5778. 1

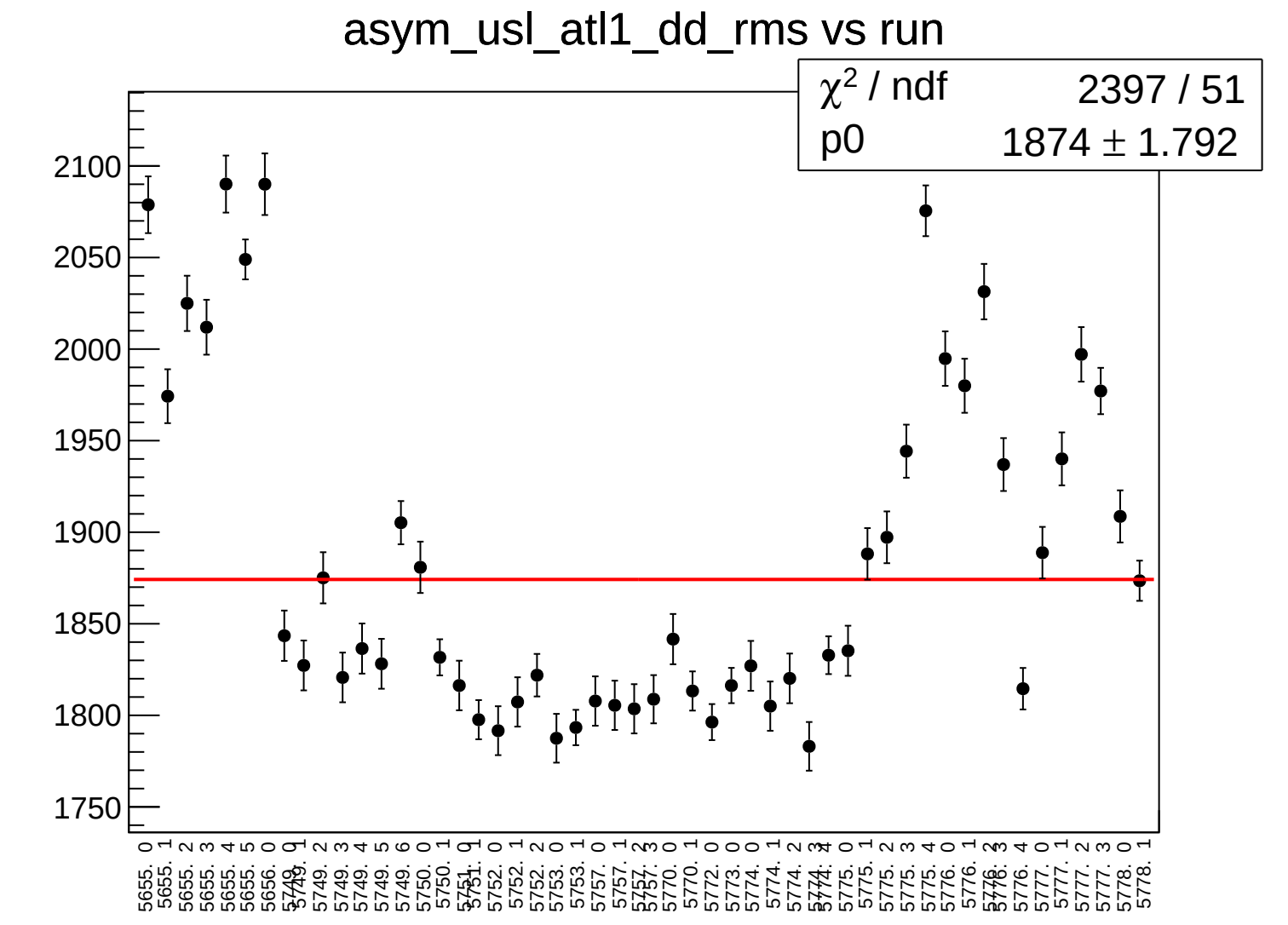

asym_usl_atl1_dd_eigen_dit_correction_mean vs run
χ² / ndf 51.03 / 51
p0 194.3 ± 1023
pull
Entries 52
Mean −552
Std Dev 0

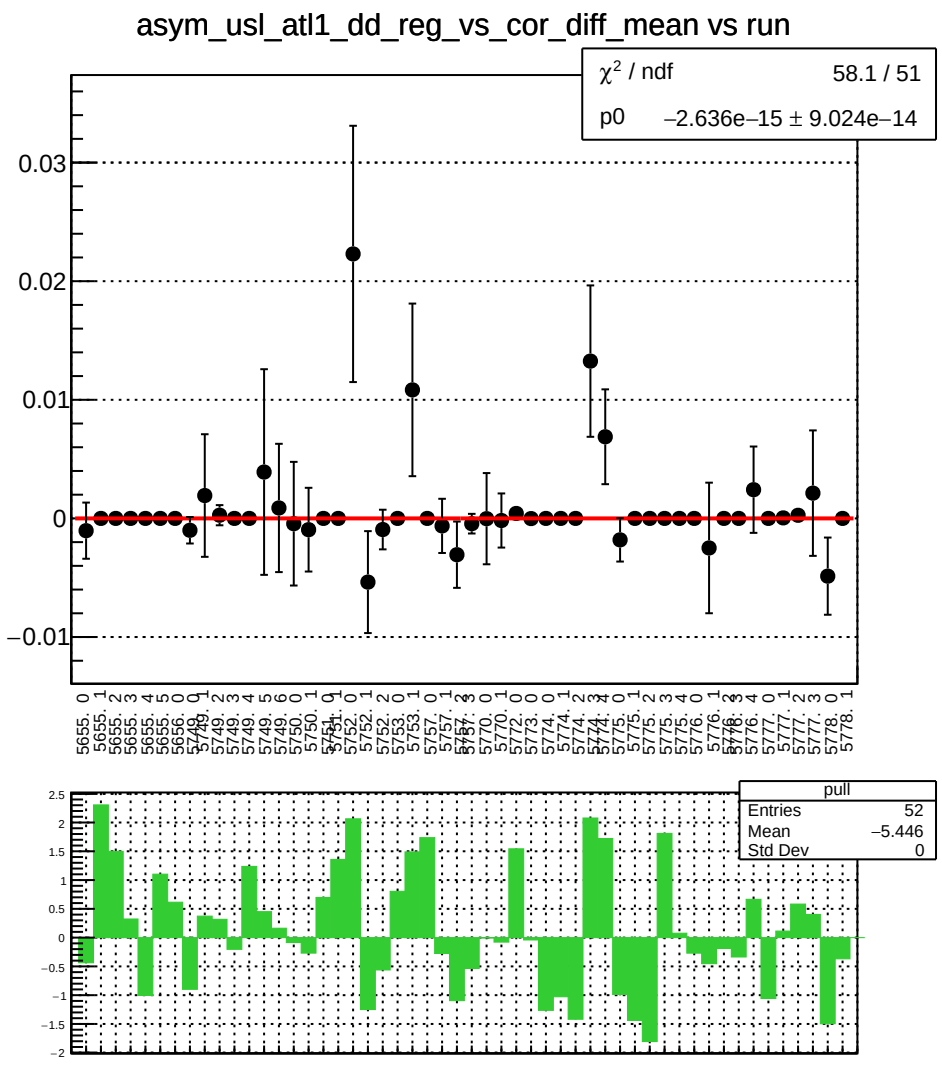

pull1D
Entries 52
Mean 0.003379
Std Dev 0.9906

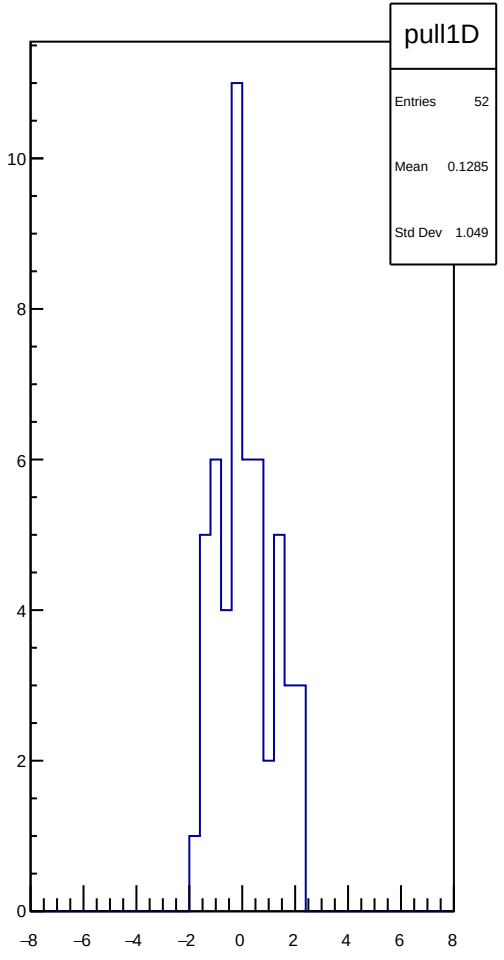

asym_usl_atl1_dd_eigen_dit_correction_rms vs run
χ² / ndf 5.666e+04 / 51
p0 737.6 ± 0.7234
1300
1200
1100
1000
900
800
700
600
500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

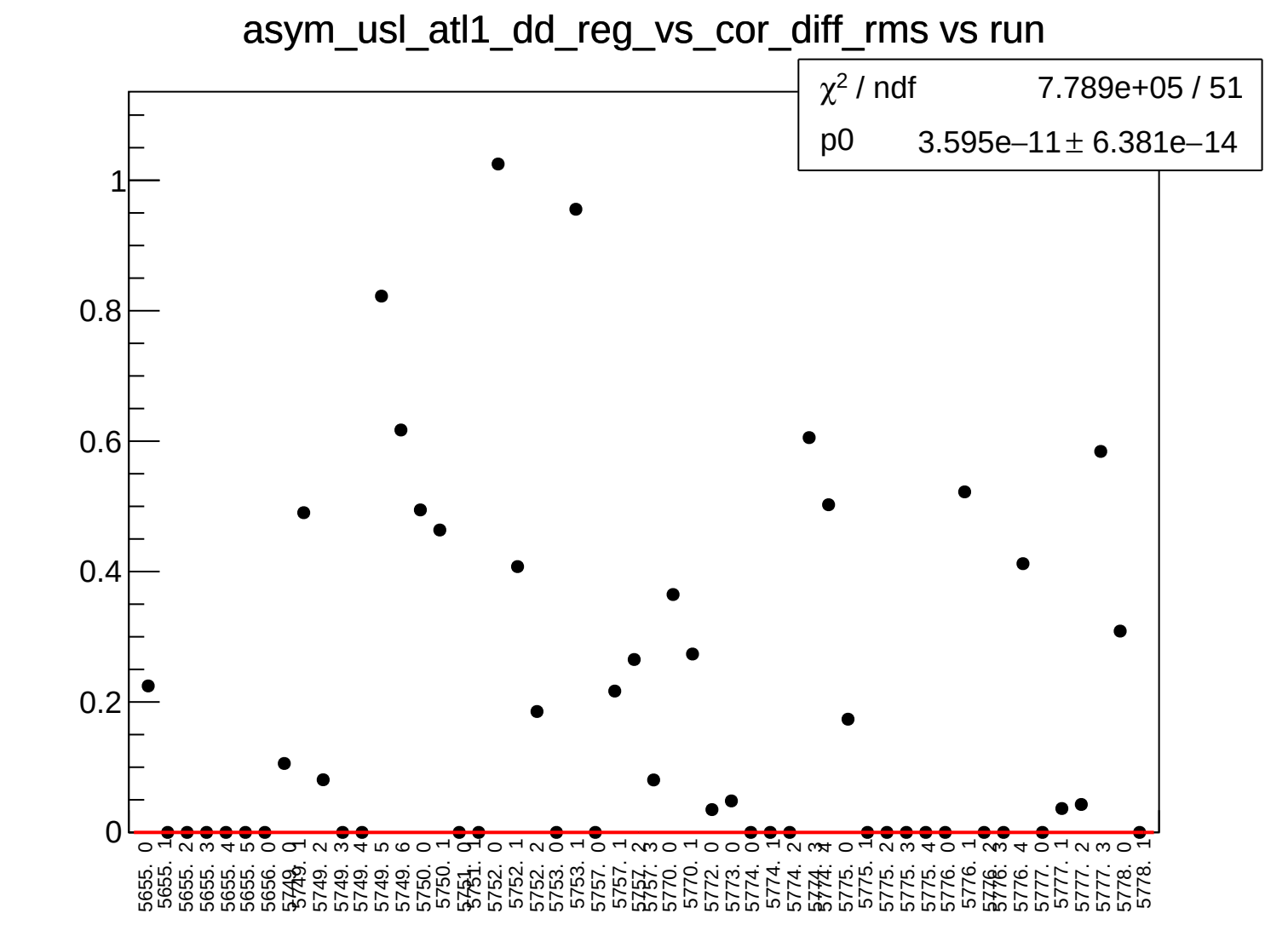

asym_usl_atl1_dd_mean vs run
χ² / ndf 46.76 / 51
p0 −90.93 ± 2534
pull
Entries 52
Mean −491.6
Std Dev 0

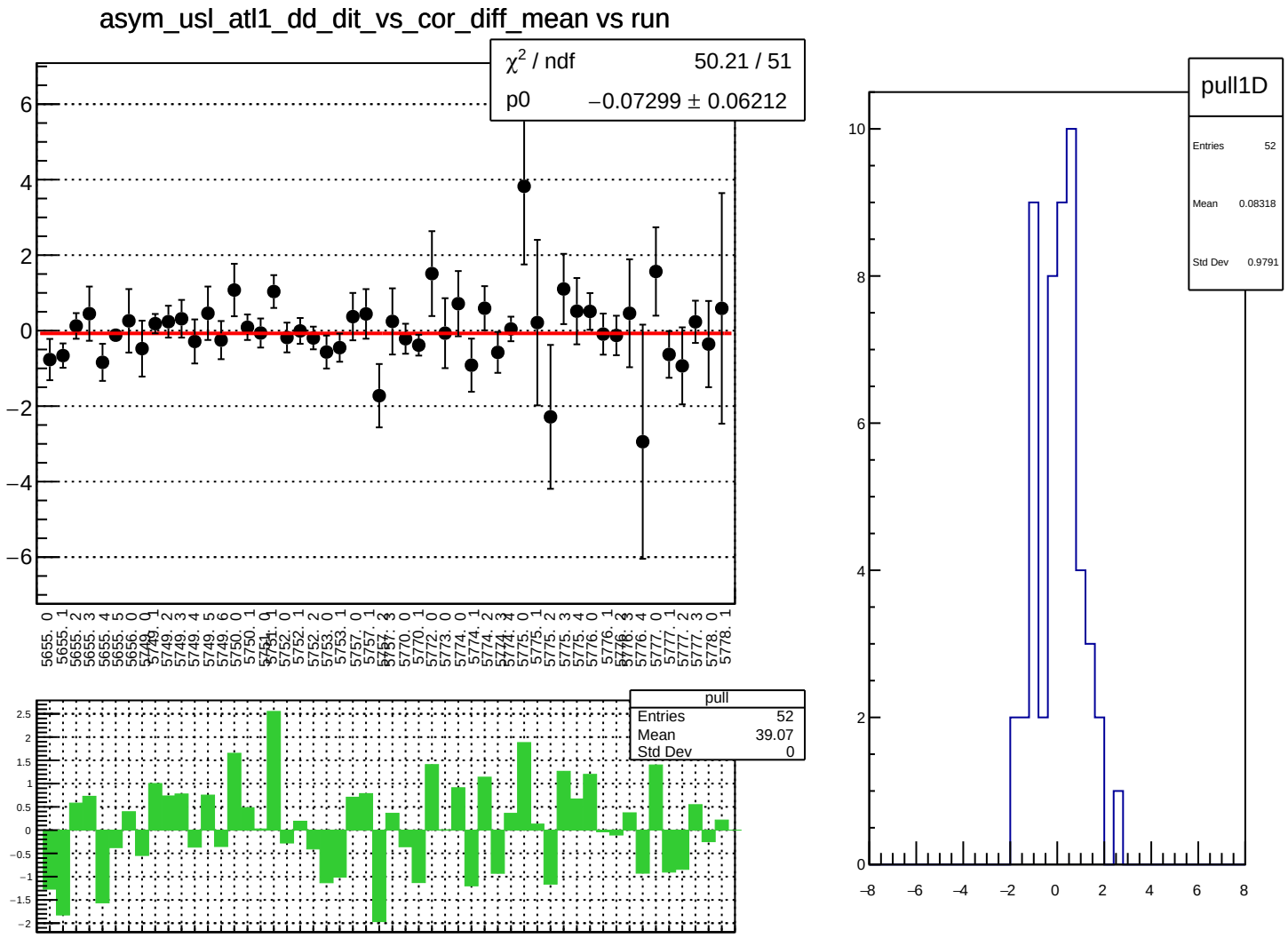

pull1D
Entries 52
Mean −0.005057
Std Dev 0.9483

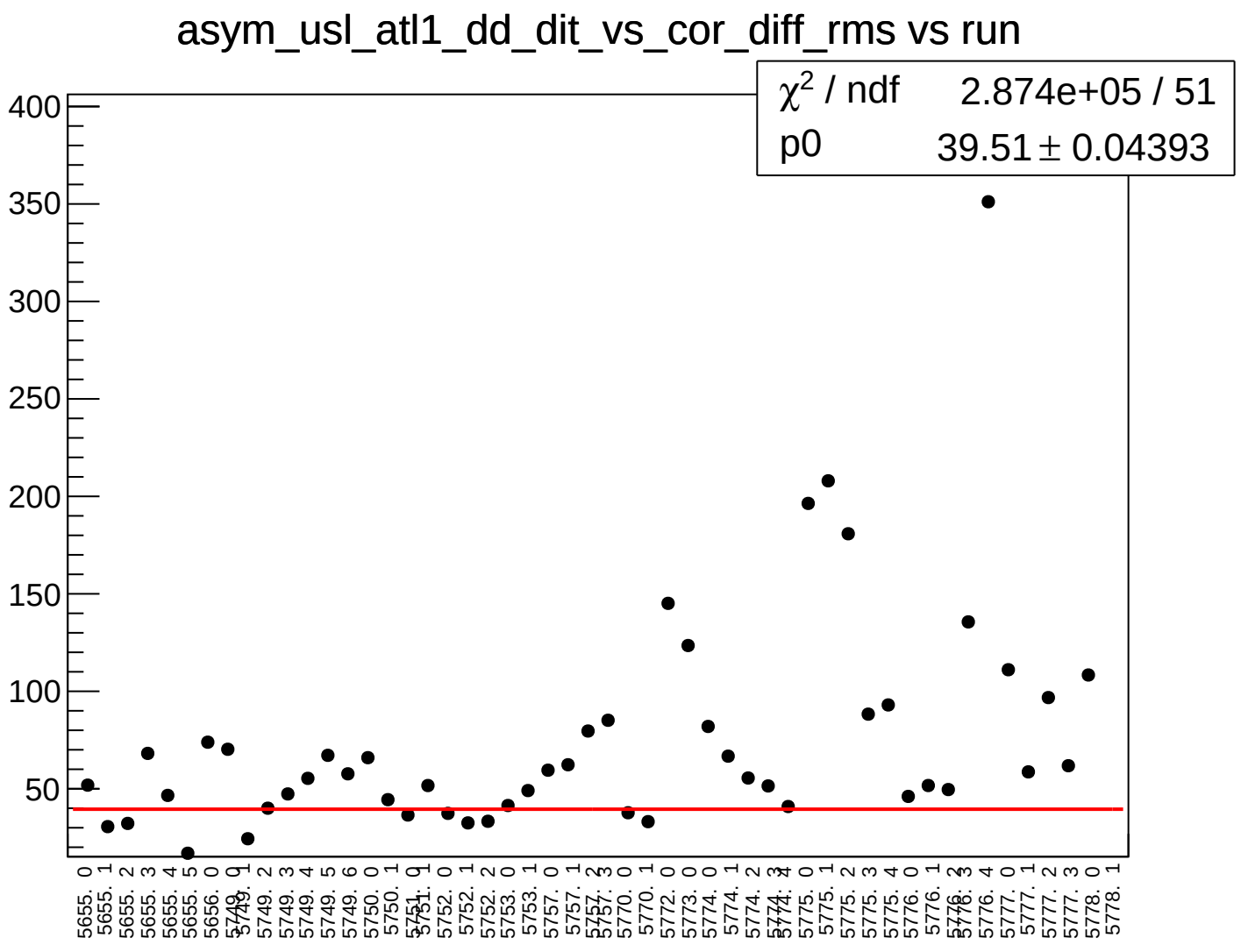

asym_usl_atl1_dd_rms vs run
χ² / ndf 2397 / 51
p0 1874 ± 1.792
2100
2050
2000
1950
1900
1850
1800
1750
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

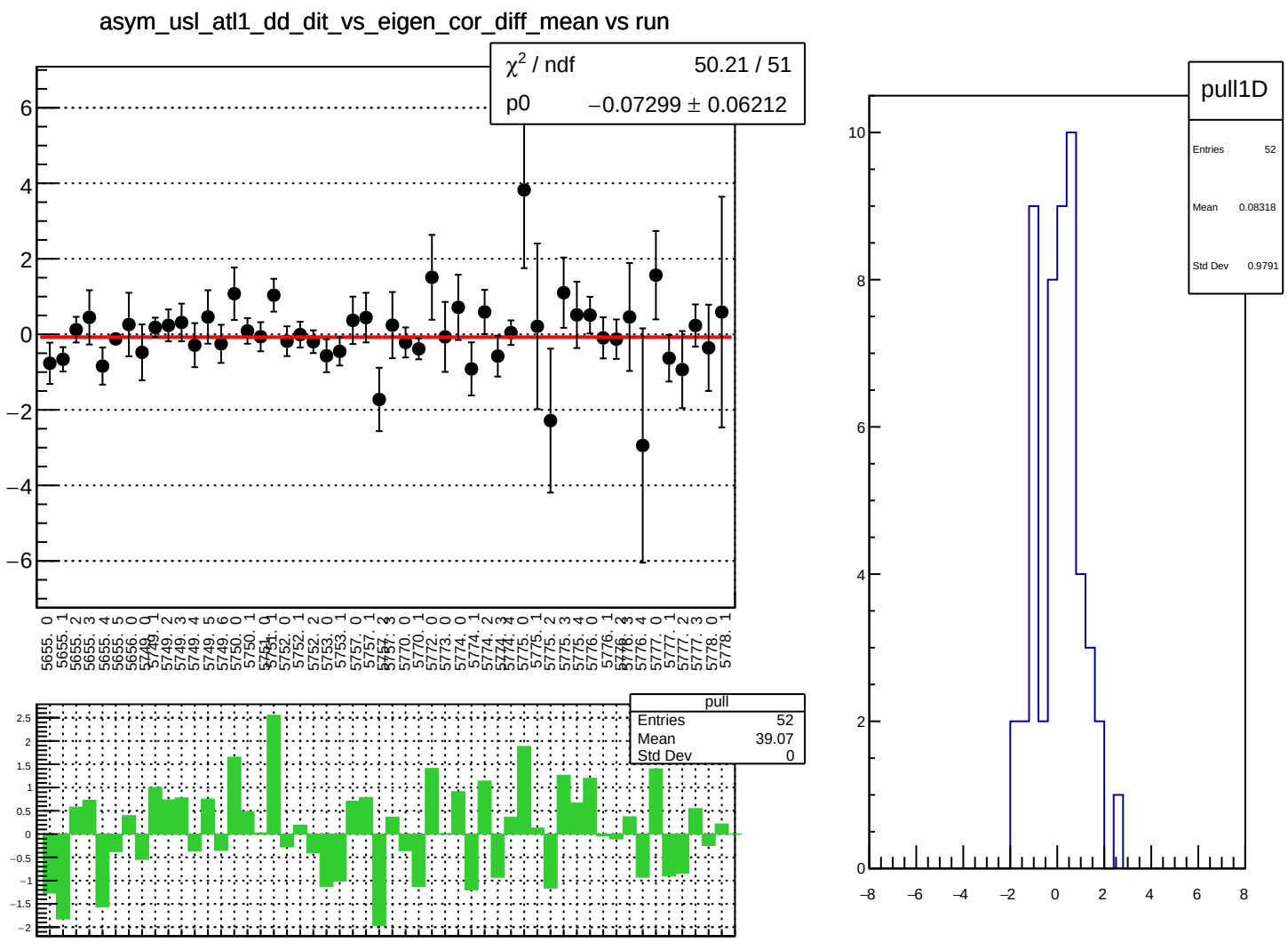

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 58.1 / 51
p0 −2.636e−15 ± 9.024e−14
pull
Entries 52
Mean −5.446
Std Dev 0

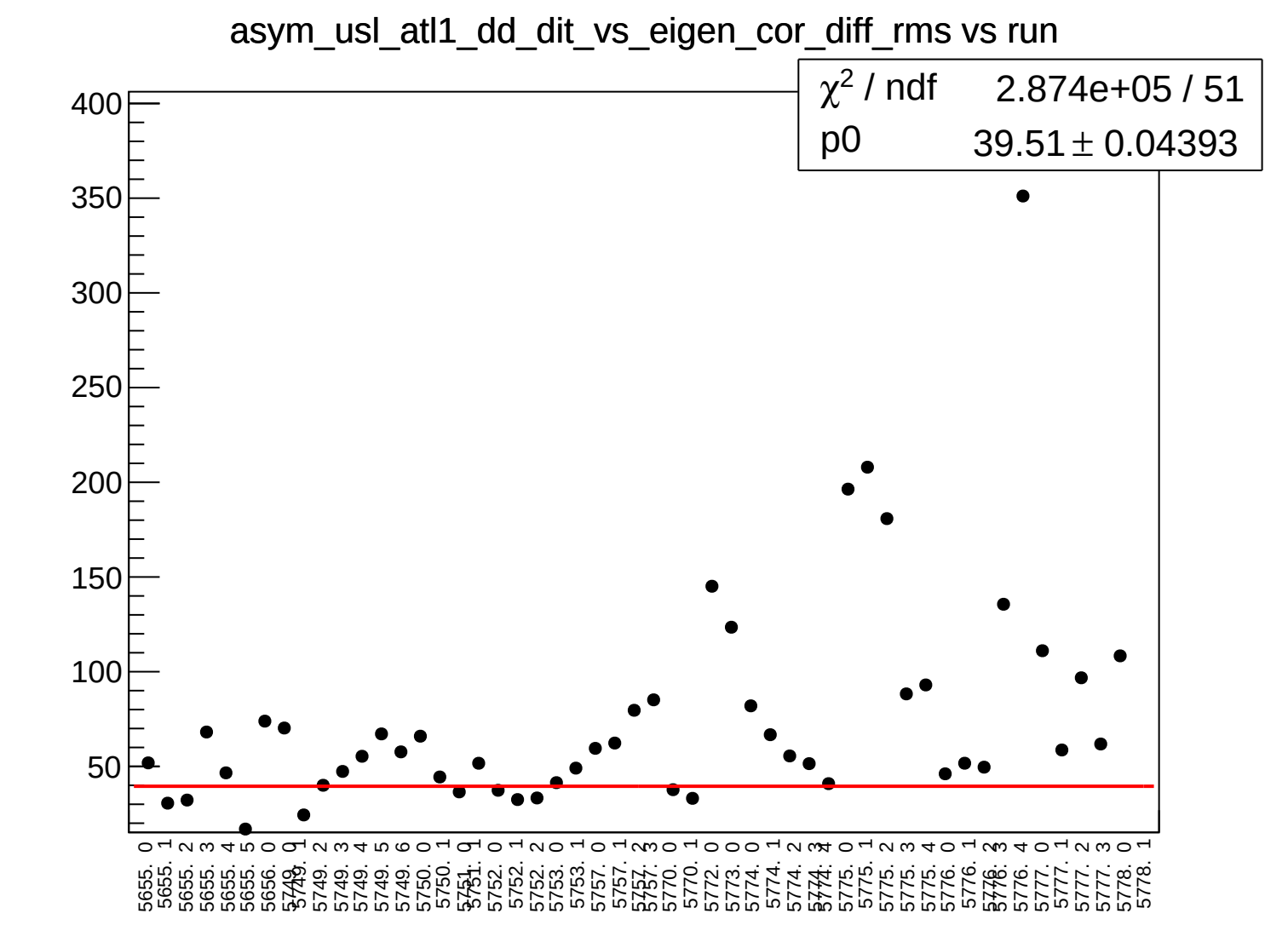

pull1D
Entries 52
Mean 0.1285
Std Dev 1.049

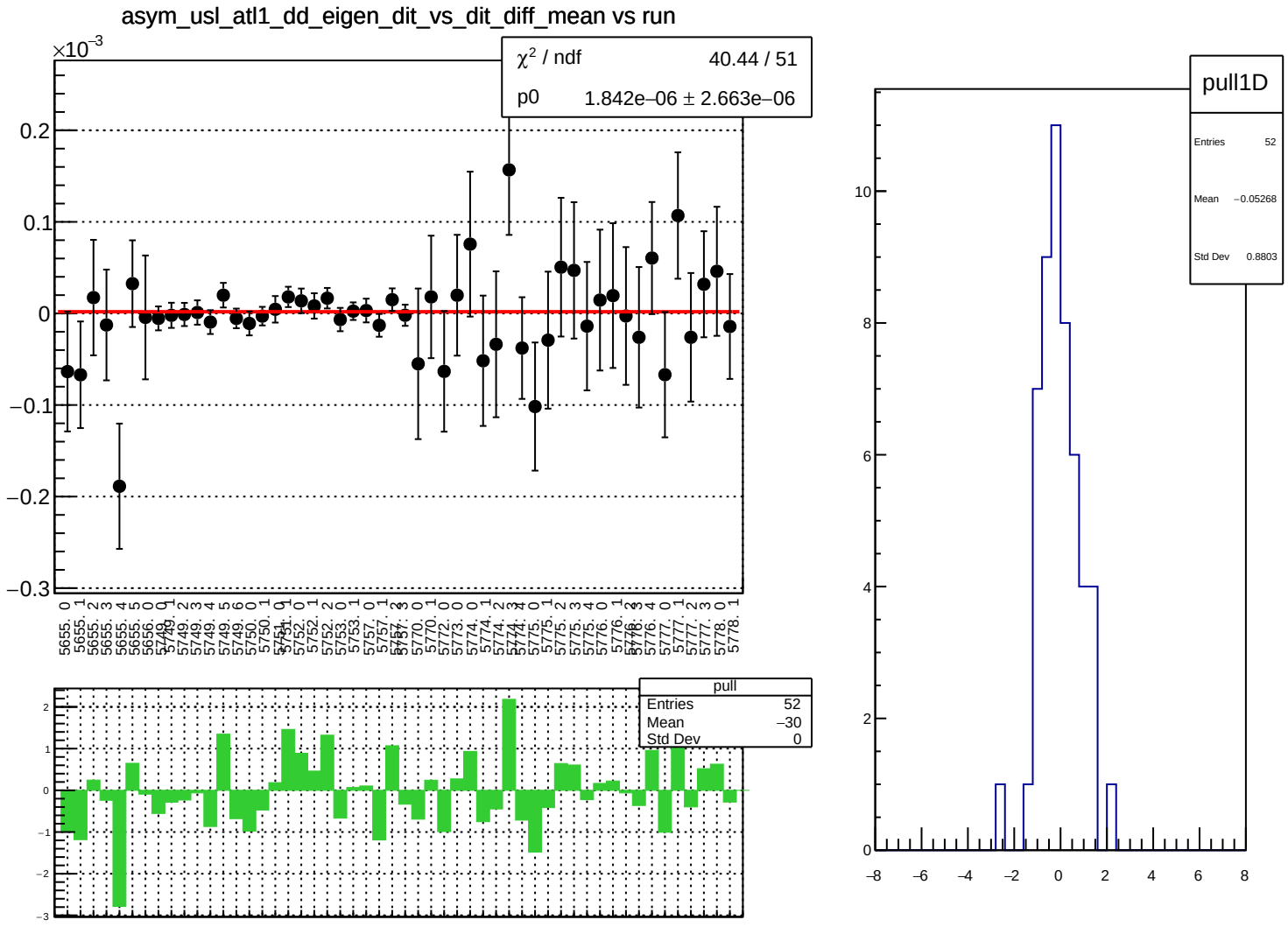

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.789e+05 / 51
p0 3.595e−11 ± 6.381e−14
1
0.8
0.6
0.4
0.2
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

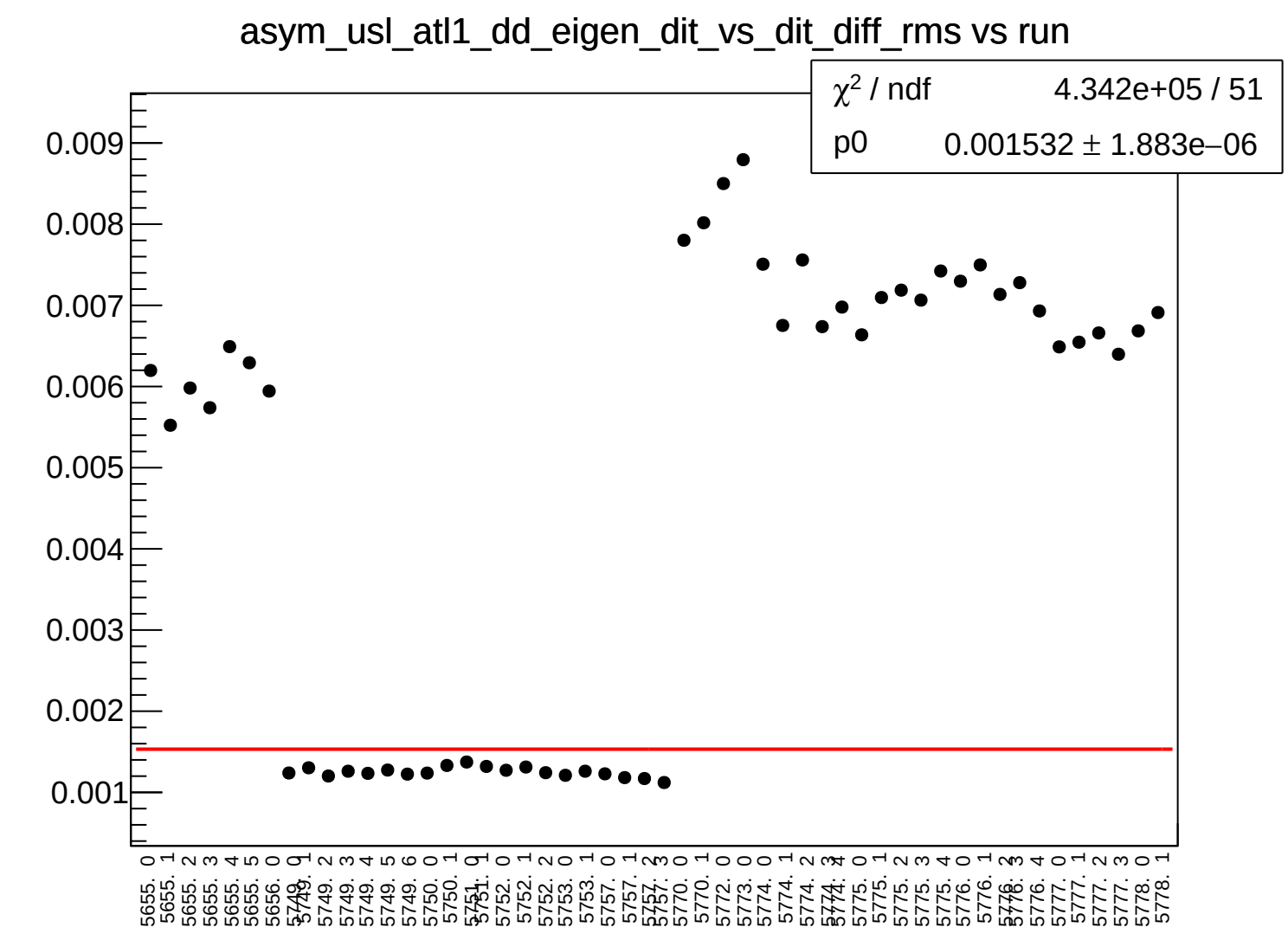

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 50.21 / 51
p0 −0.07299 ± 0.06212
pull
Entries 52
Mean 39.07
Std Dev 0
pull1D
Entries 52
Mean 0.08318
Std Dev 0.9791


asym_usl_atl1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.874e+05 / 51
p0 39.51 ± 0.04393
400
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.21 / 51
p0 −0.07299 ± 0.06212
pull
Entries 52
Mean 39.07
Std Dev 0
pull1D
Entries 52
Mean 0.08318
Std Dev 0.9791


asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.874e+05 / 51
p0 39.51 ± 0.04393
400
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 40.44 / 51
p0 1.842e−06 ± 2.663e−06
pull
Entries 52
Mean −30
Std Dev 0
pull1D
Entries 52
Mean −0.05268
Std Dev 0.8803


asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.342e+05 / 51
p0 0.001532 ± 1.883e−06
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
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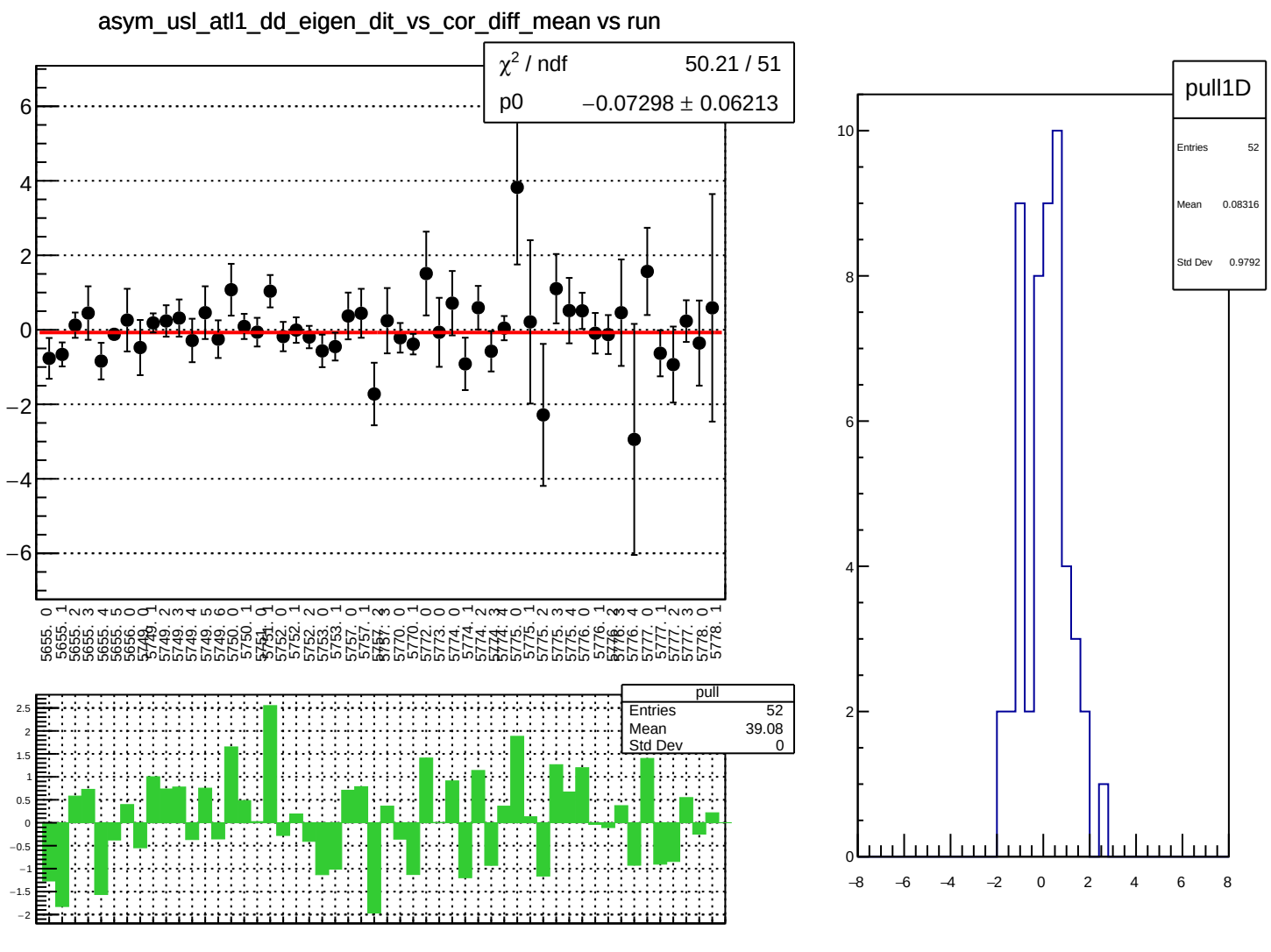
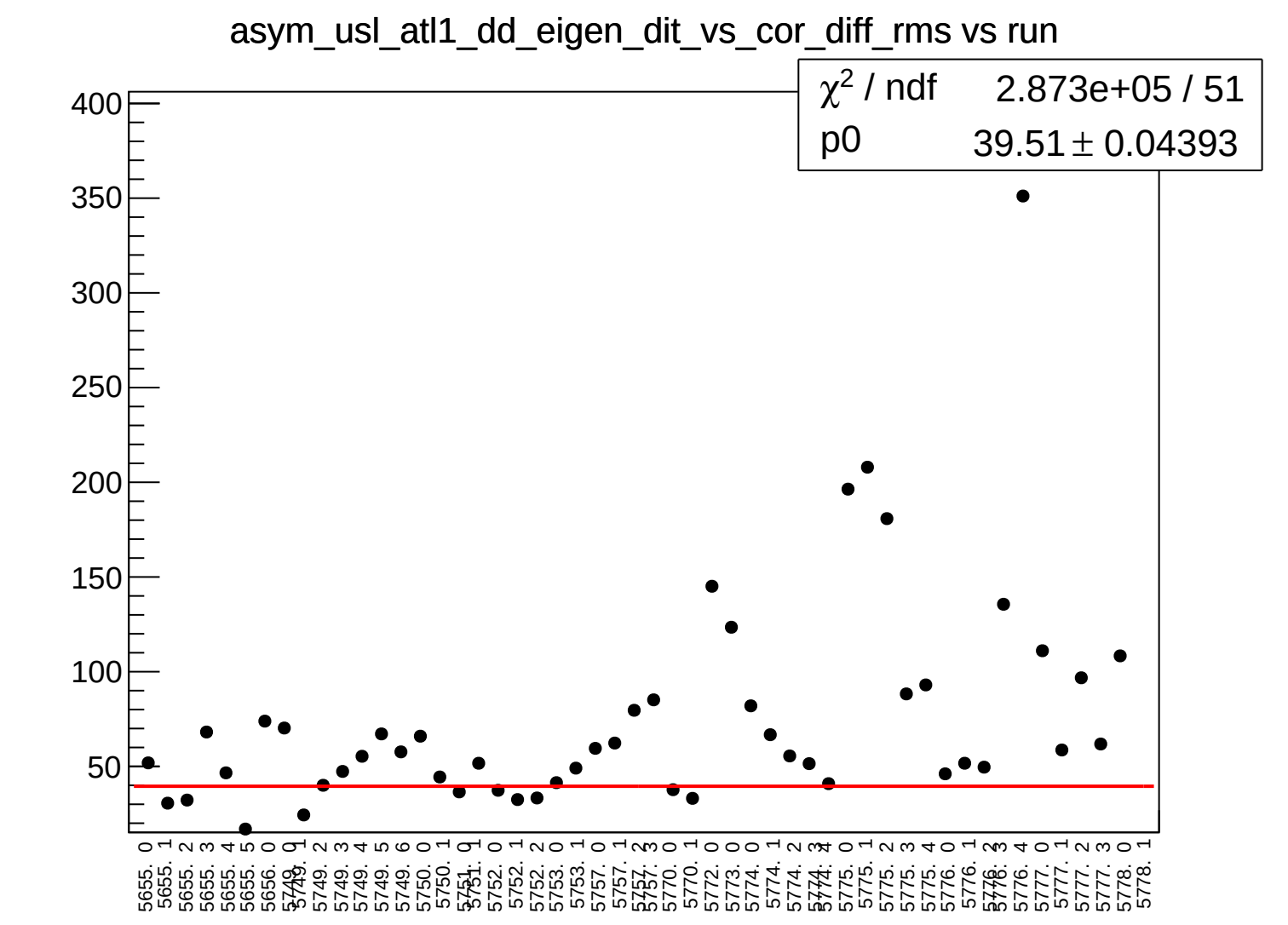
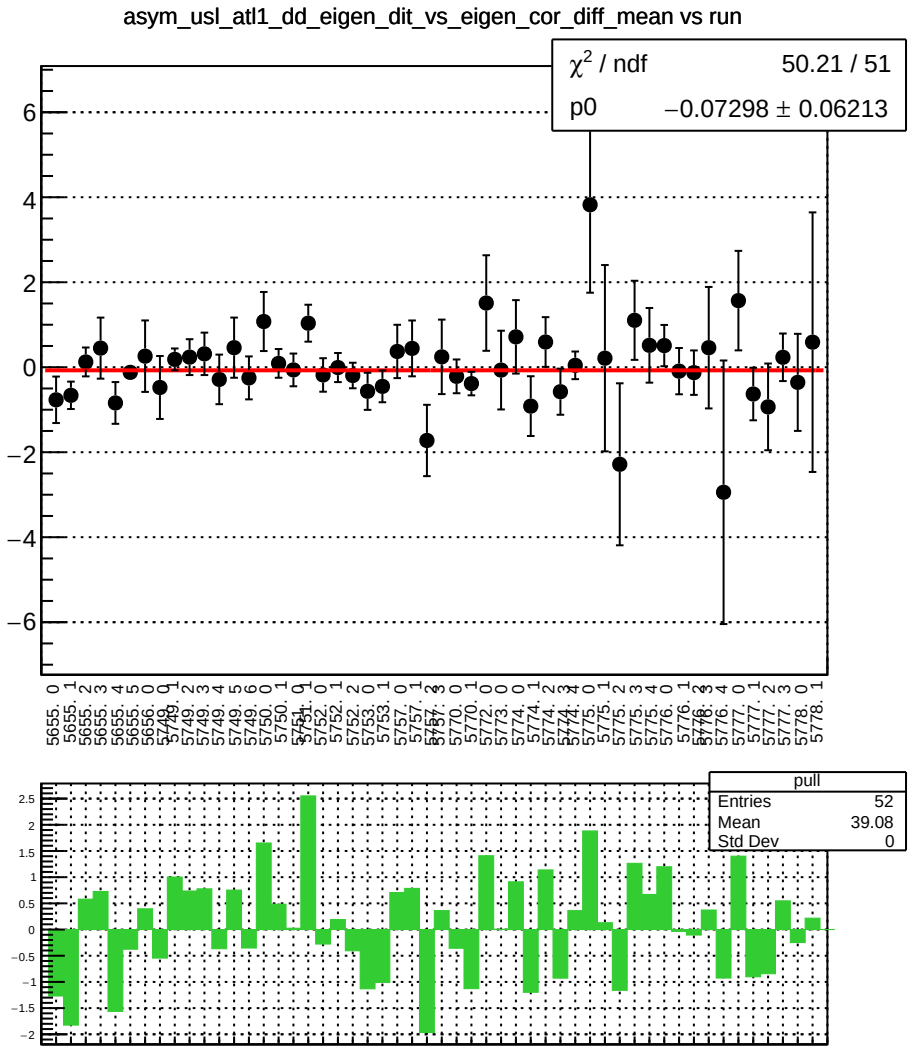
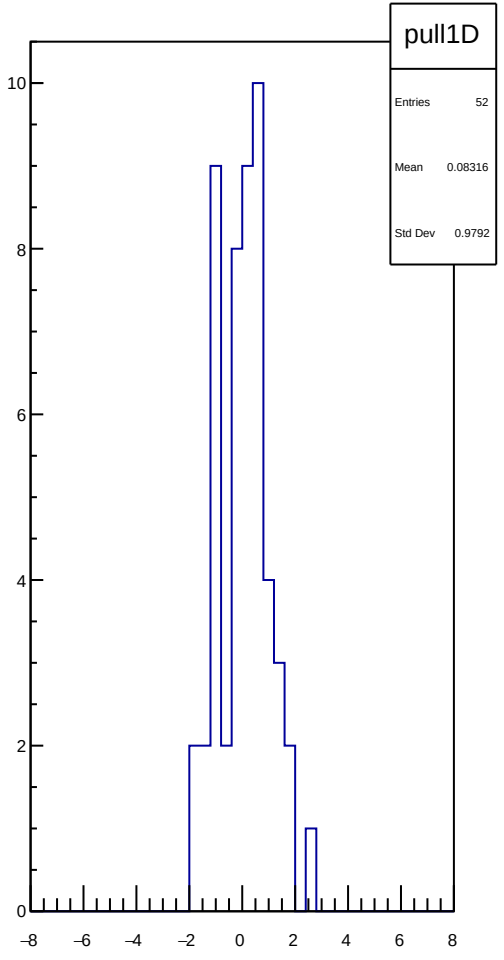
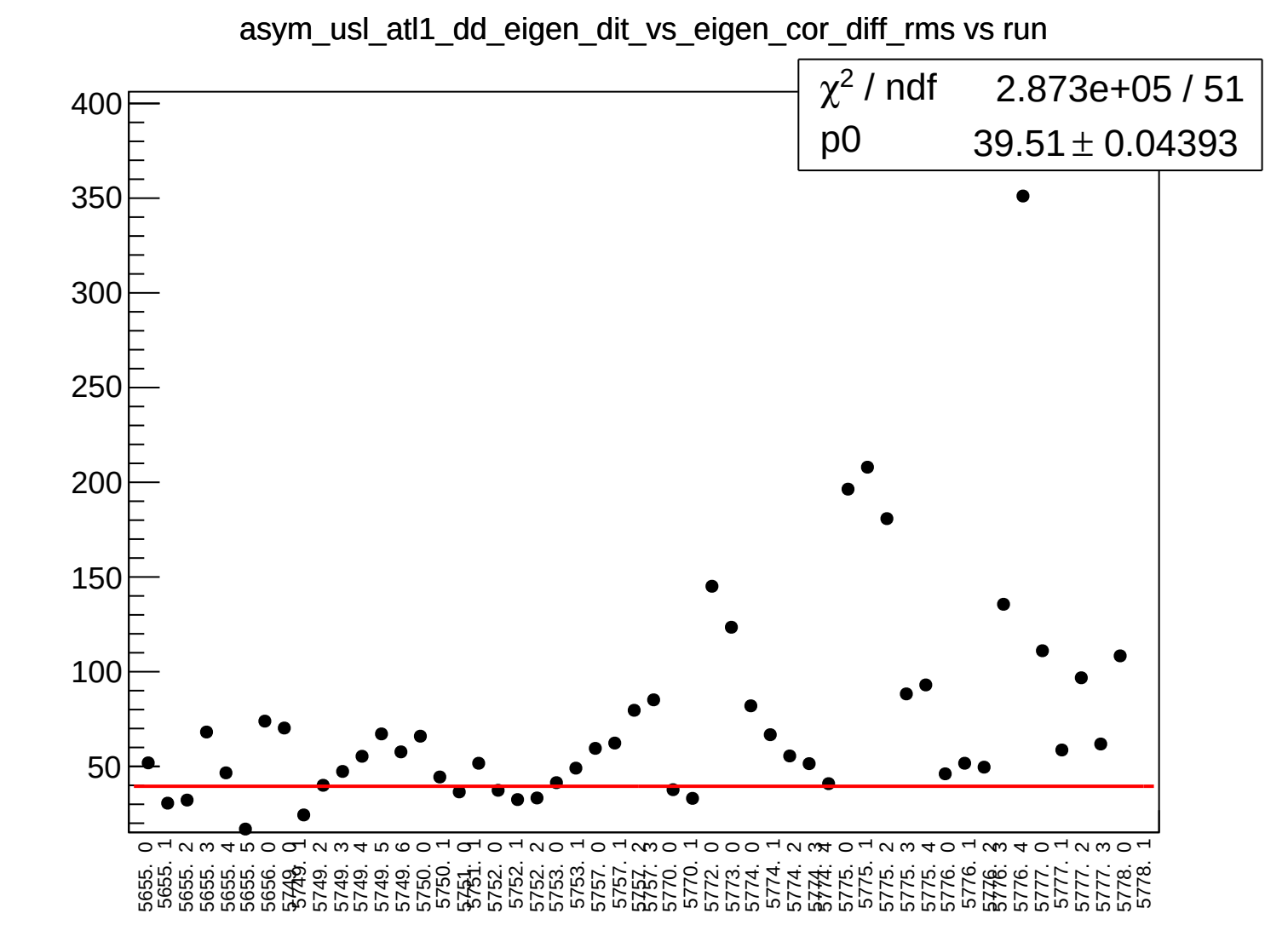
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

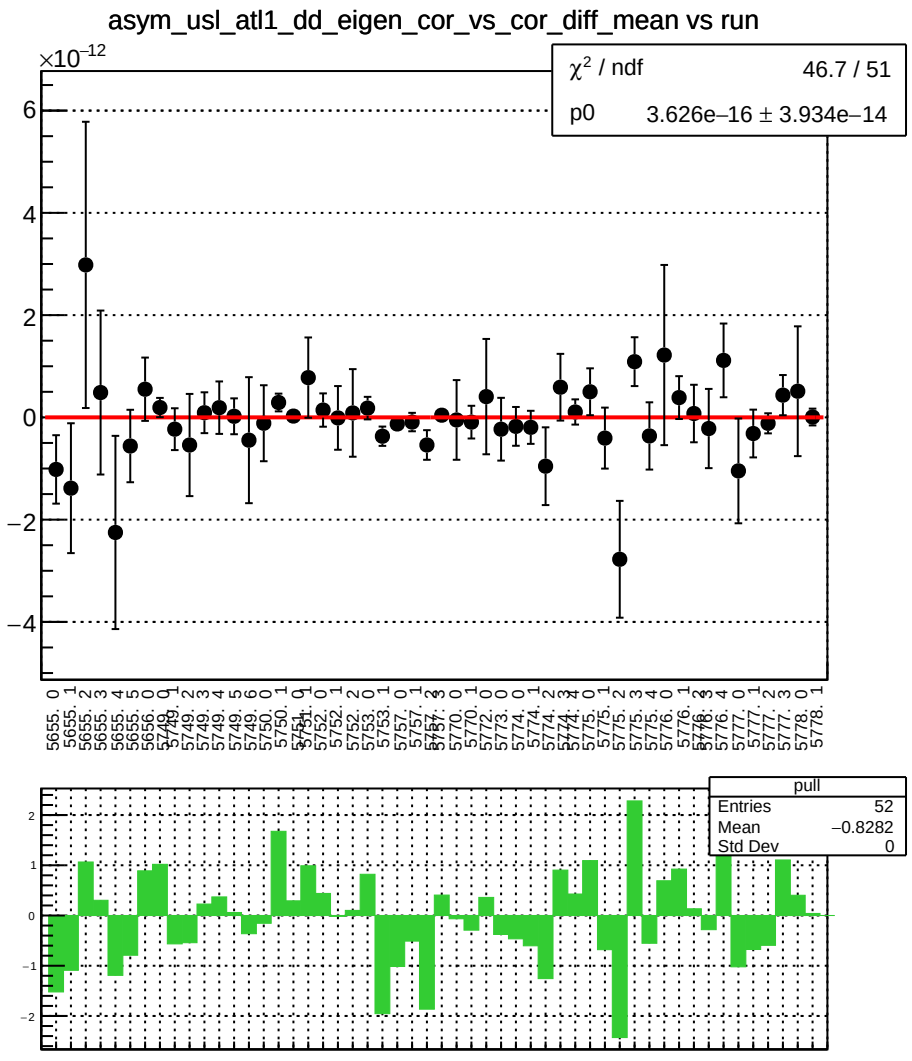

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.21 / 51
p0 −0.07298 ± 0.06213
pull
Entries 52
Mean 39.08
Std Dev 0
pull1D
Entries 52
Mean 0.08316
Std Dev 0.9792

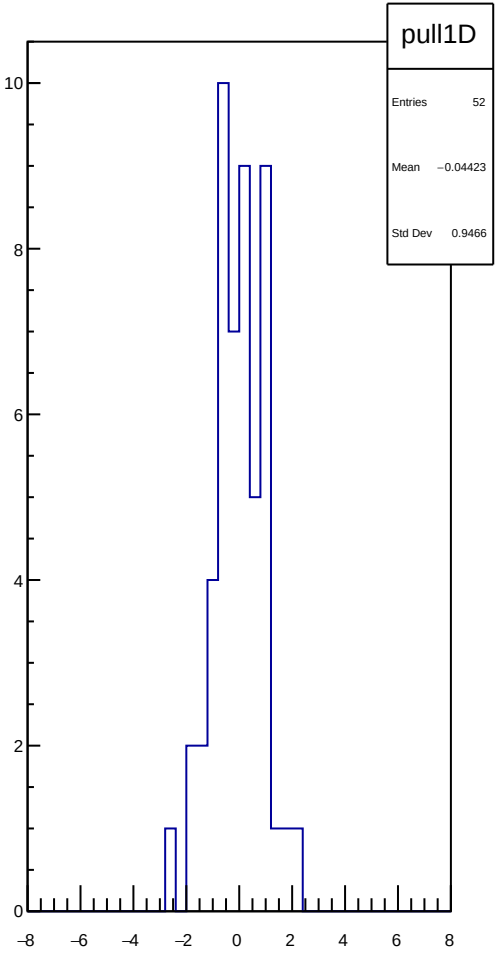

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.873e+05 / 51
p0 39.51 ± 0.04393
400
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

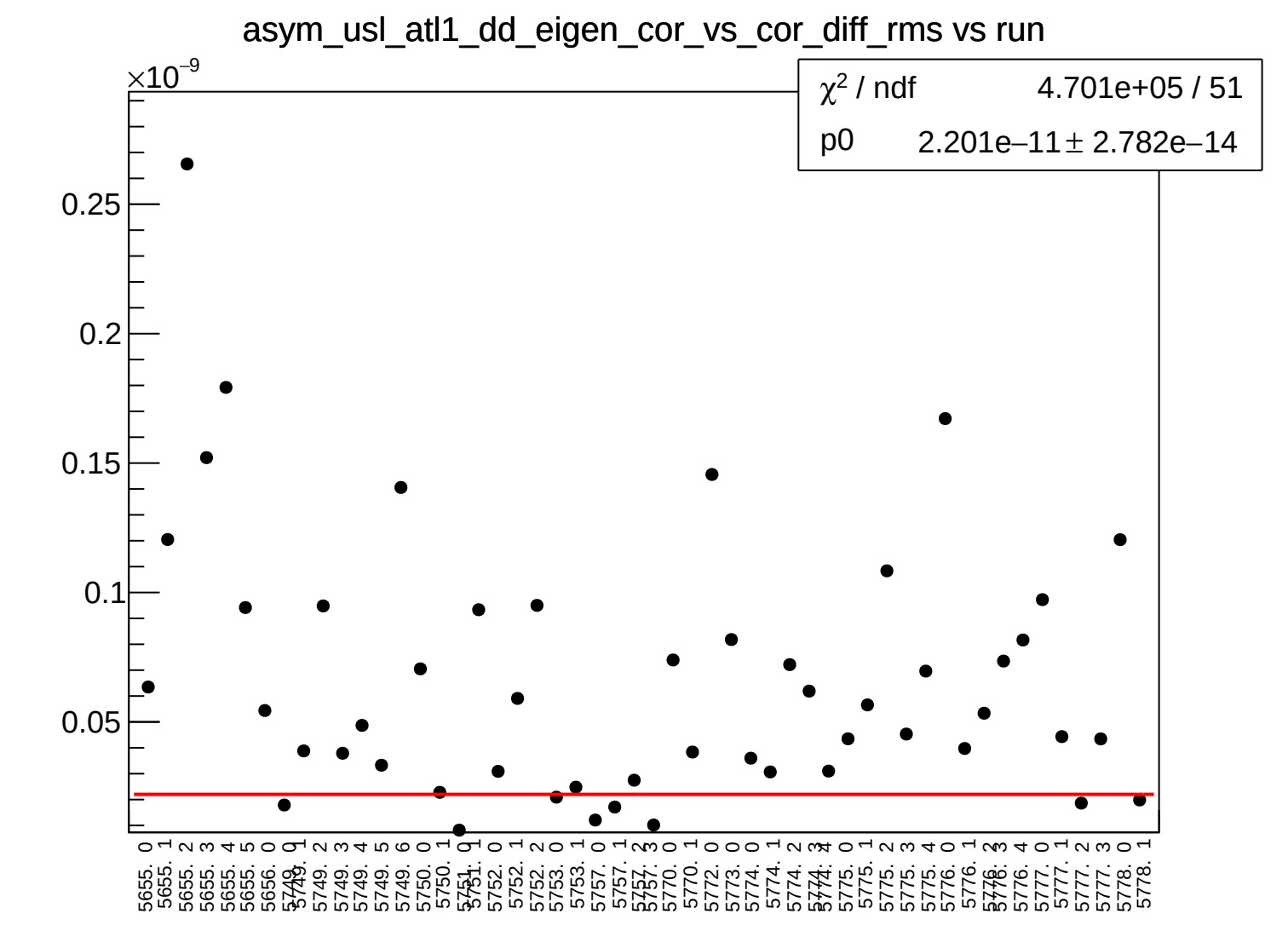

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.21 / 51
p0 −0.07298 ± 0.06213
pull
Entries 52
Mean 39.08
Std Dev 0

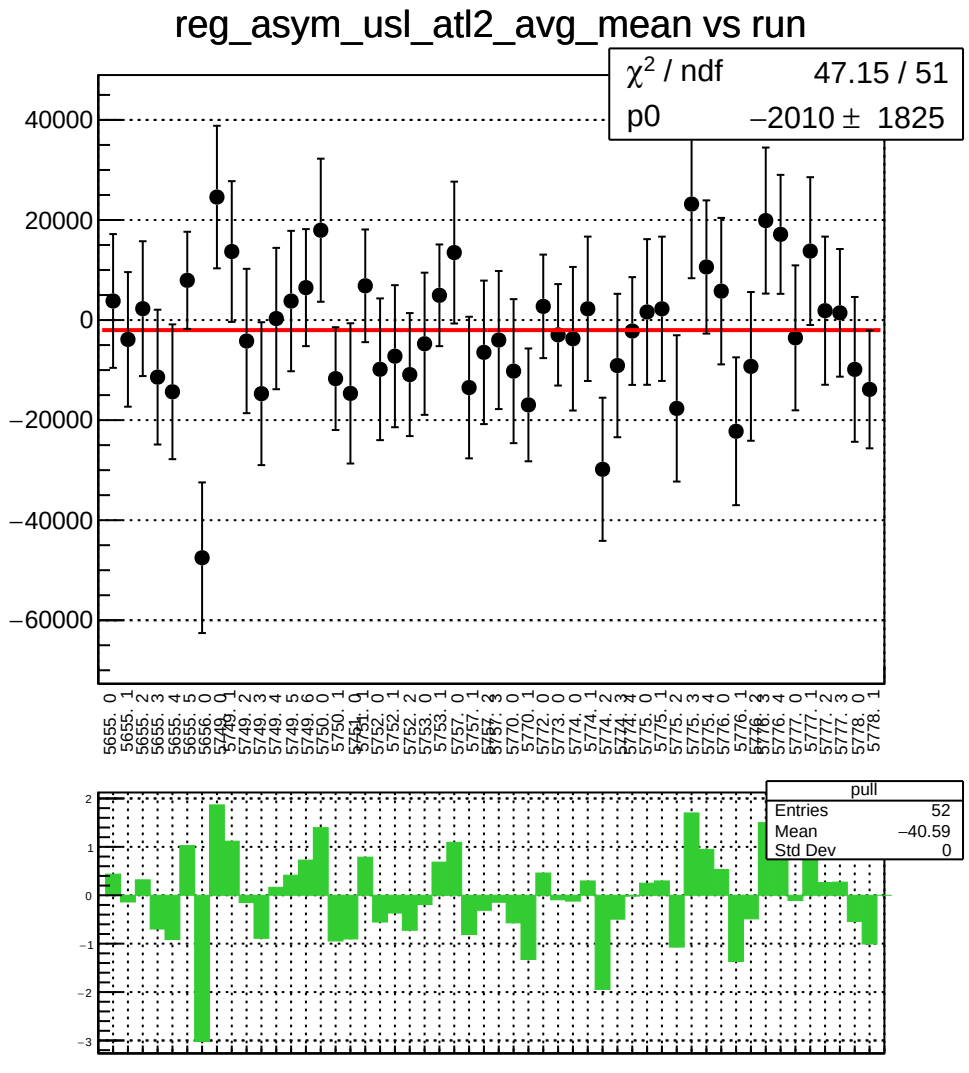

pull1D
Entries 52
Mean 0.08316
Std Dev 0.9792

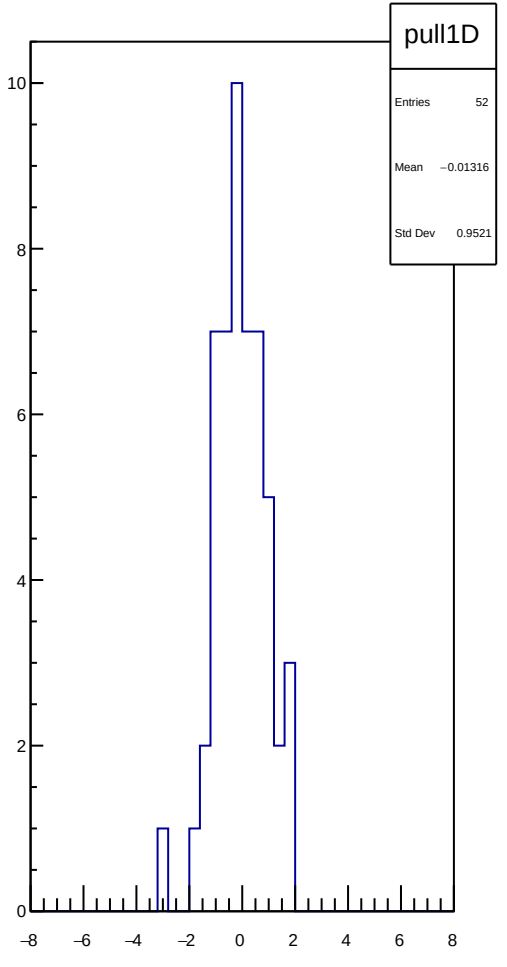

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.873e+05 / 51
p0 39.51 ± 0.04393
400
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

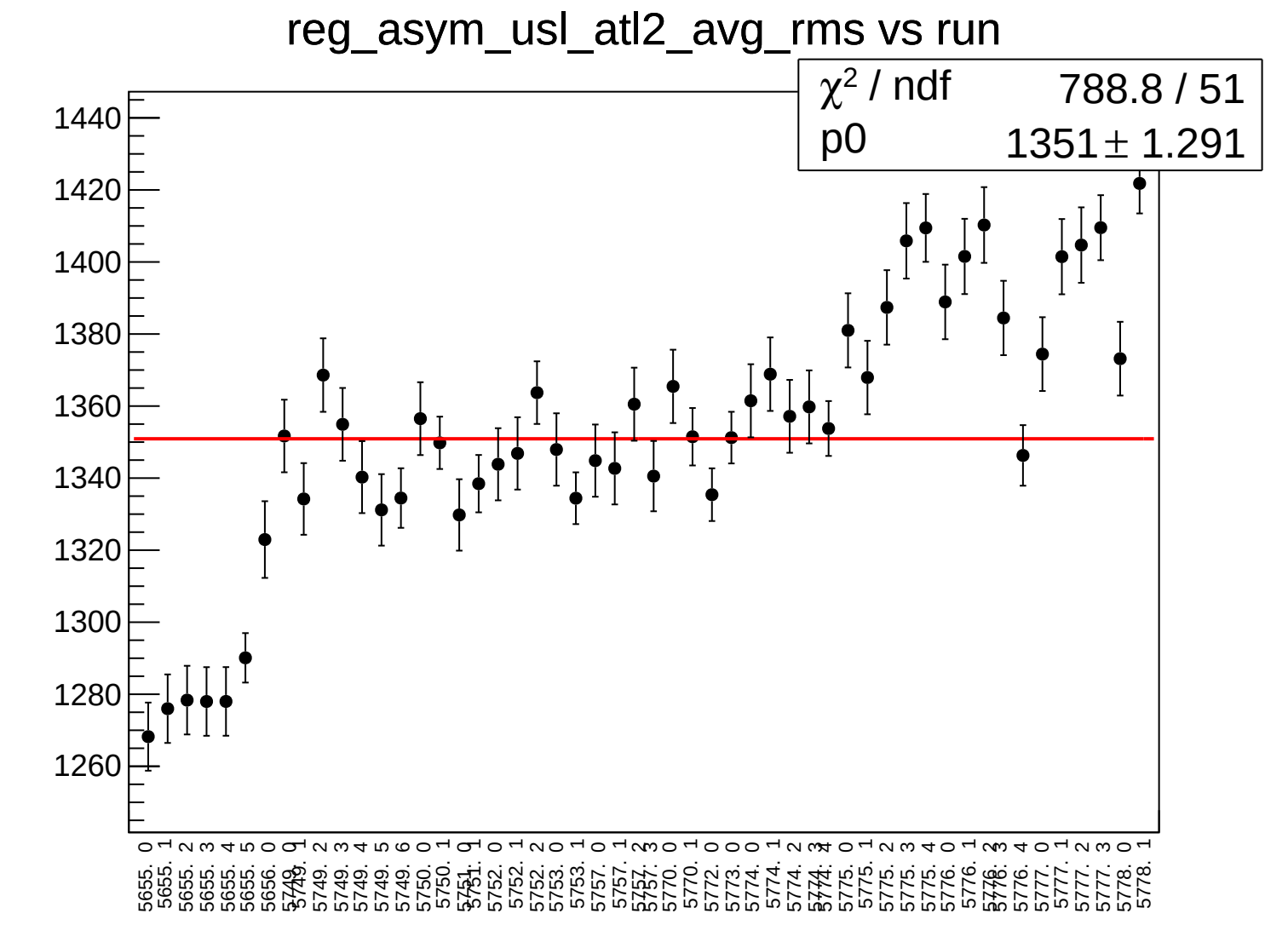

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 46.7 / 51
p0 3.626e−16 ± 3.934e−14
pull
Entries 52
Mean −0.8282
Std Dev 0

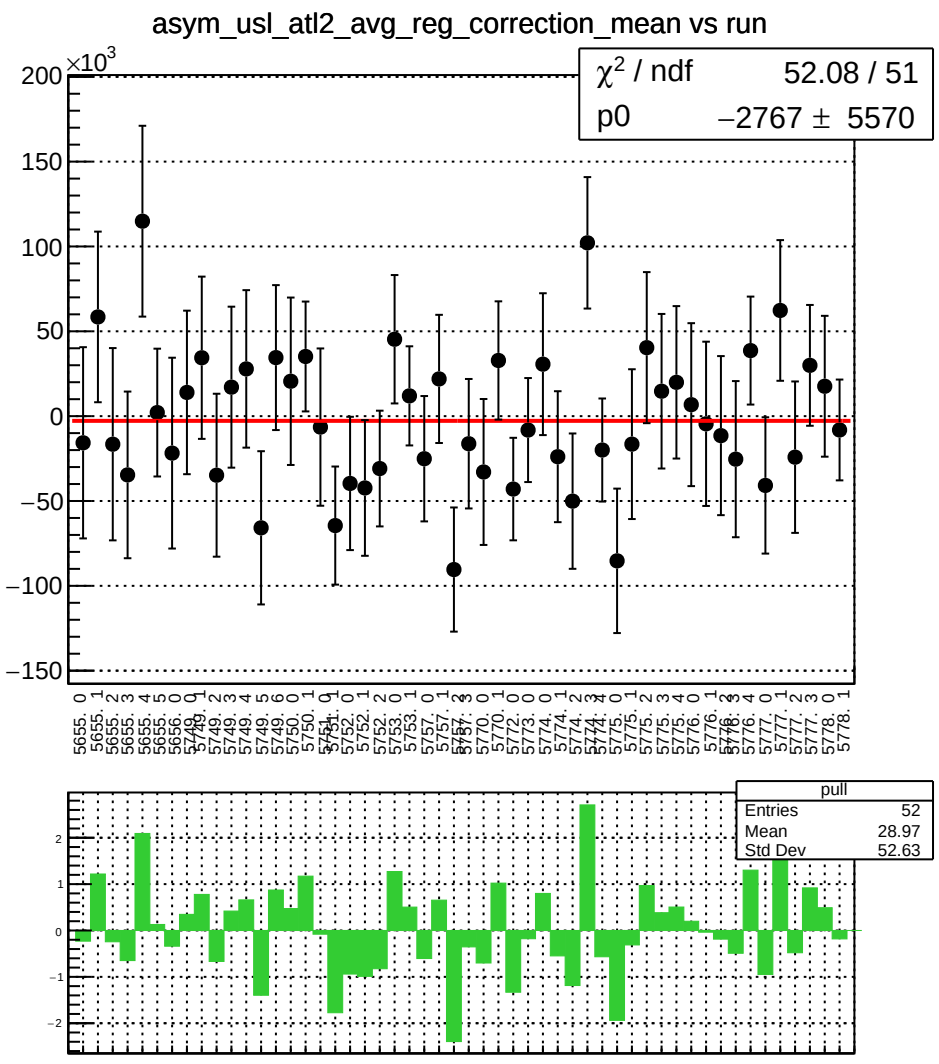

pull1D
Entries 52
Mean −0.04423
Std Dev 0.9466

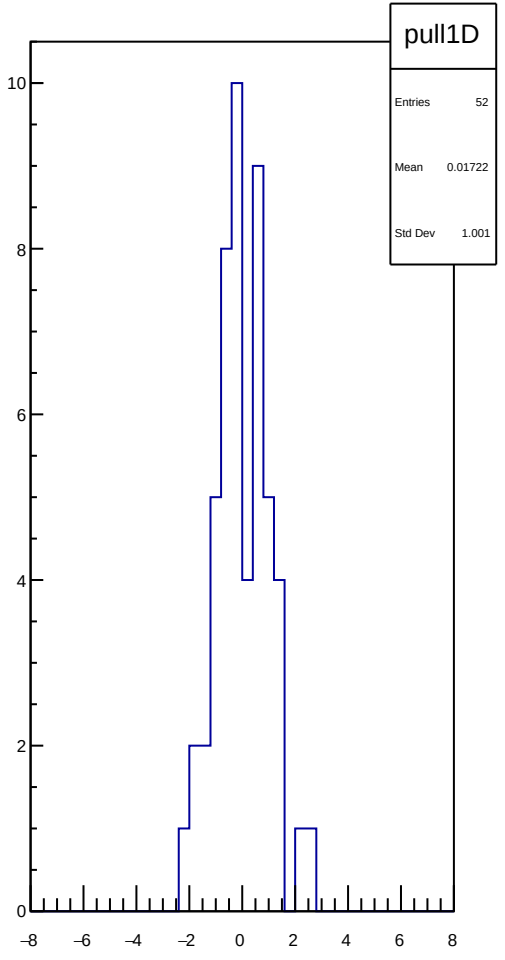

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.701e+05 / 51
p0 2.201e−11 ± 2.782e−14
0.25
0.2
0.15
0.1
0.05
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

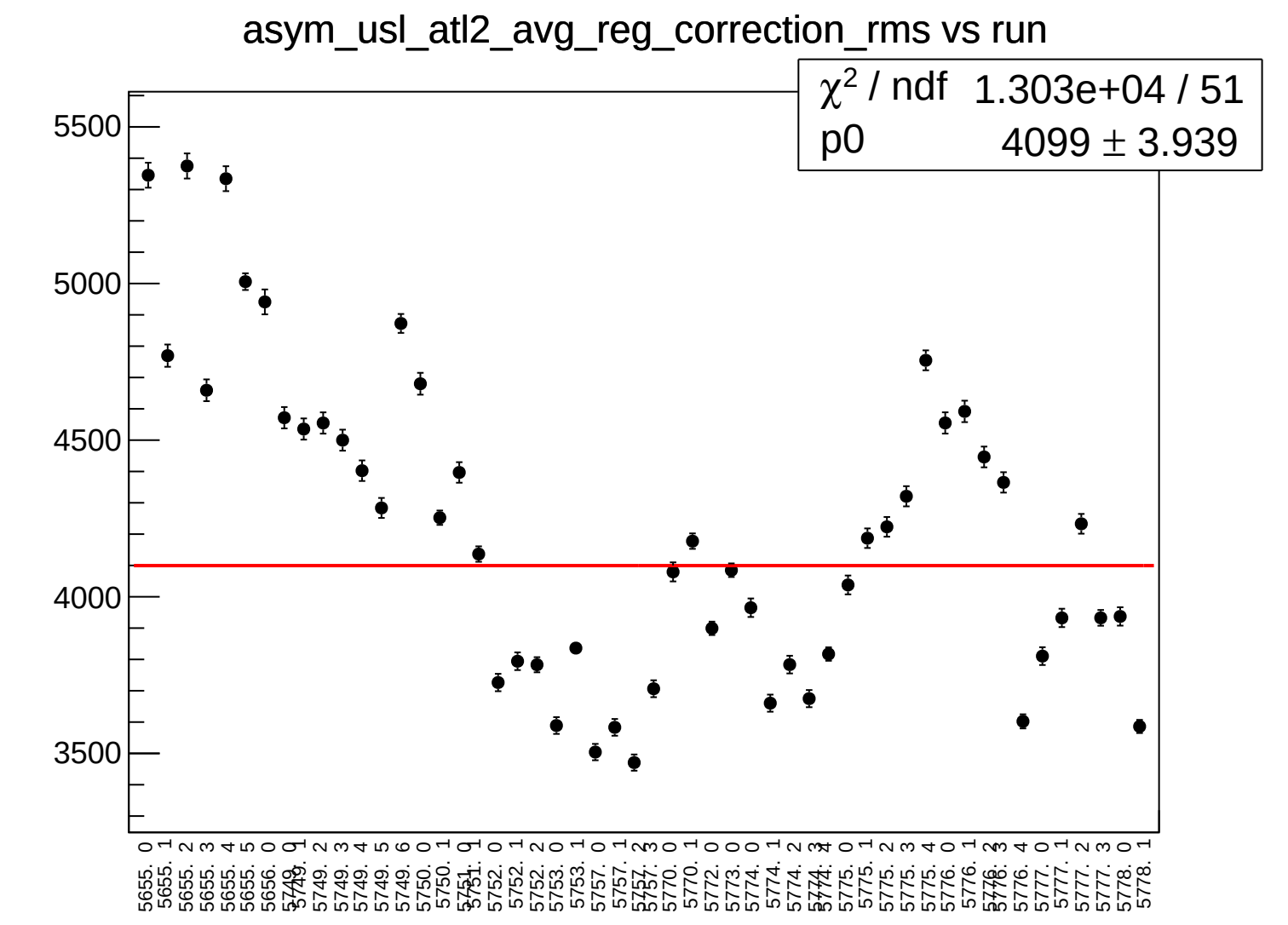

reg_asym_usl_atl2_avg_mean vs run
χ² / ndf 47.15 / 51
p0 −2010 ± 1825
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −40.59
Std Dev 0
2
1
0
−1
−2
−3

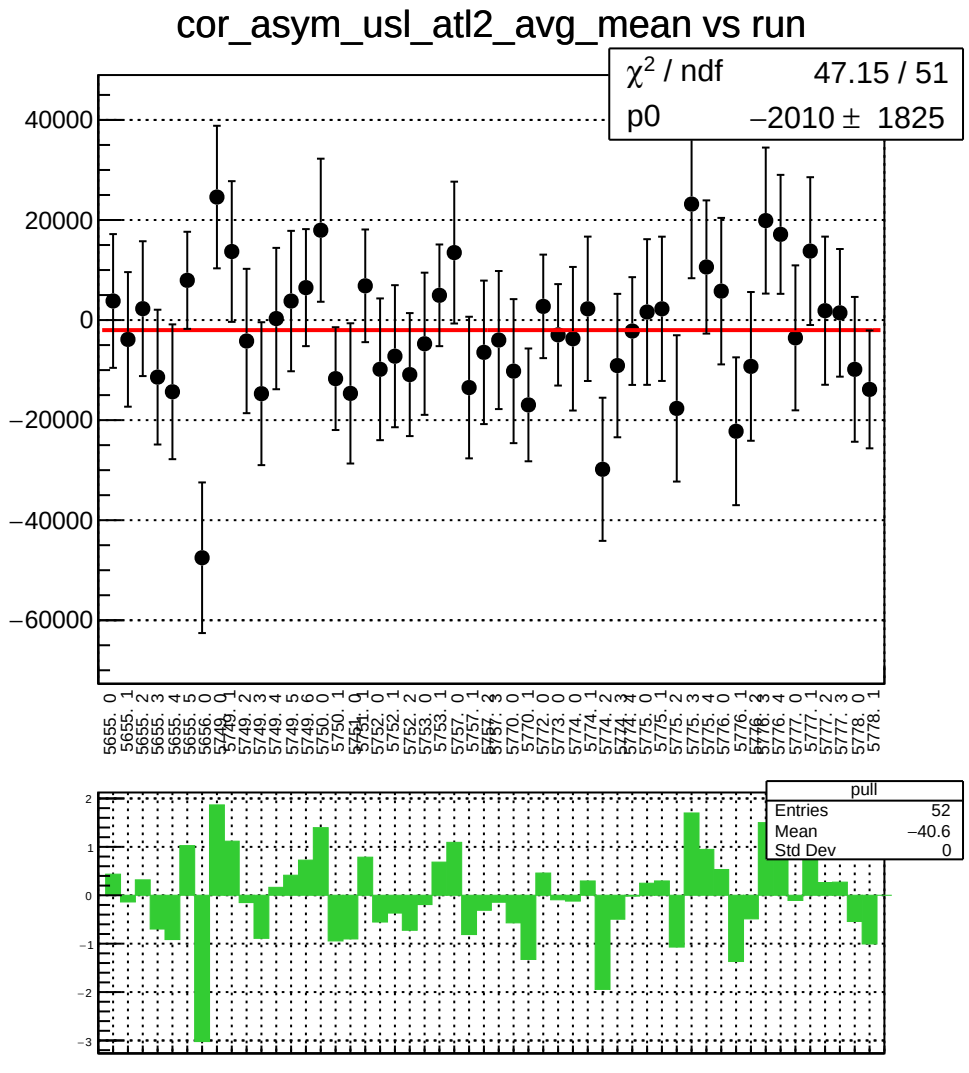

pull1D
Entries 52
Mean −0.01316
Std Dev 0.9521
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

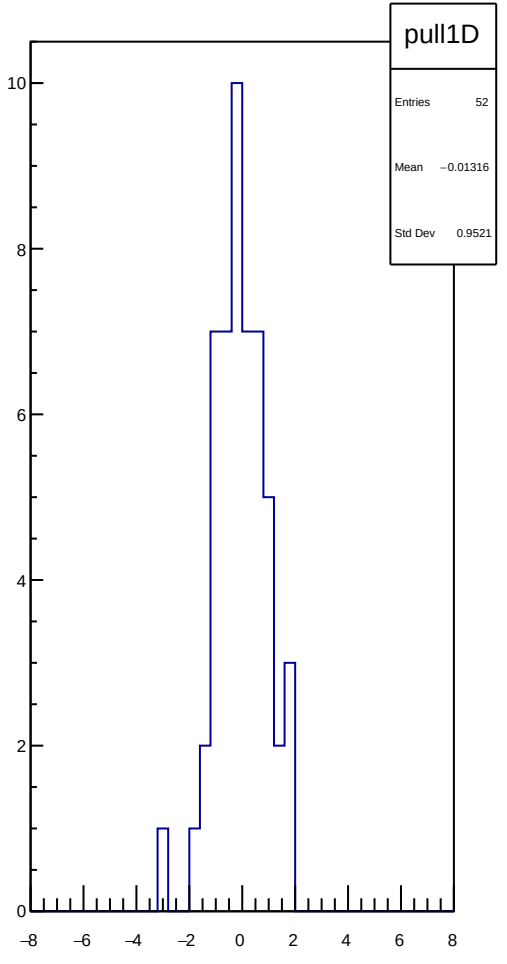

reg_asym_usl_atl2_avg_rms vs run
χ² / ndf 788.8 / 51
p0 1351 ± 1.291
1440
1420
1400
1380
1360
1340
1320
1300
1280
1260
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

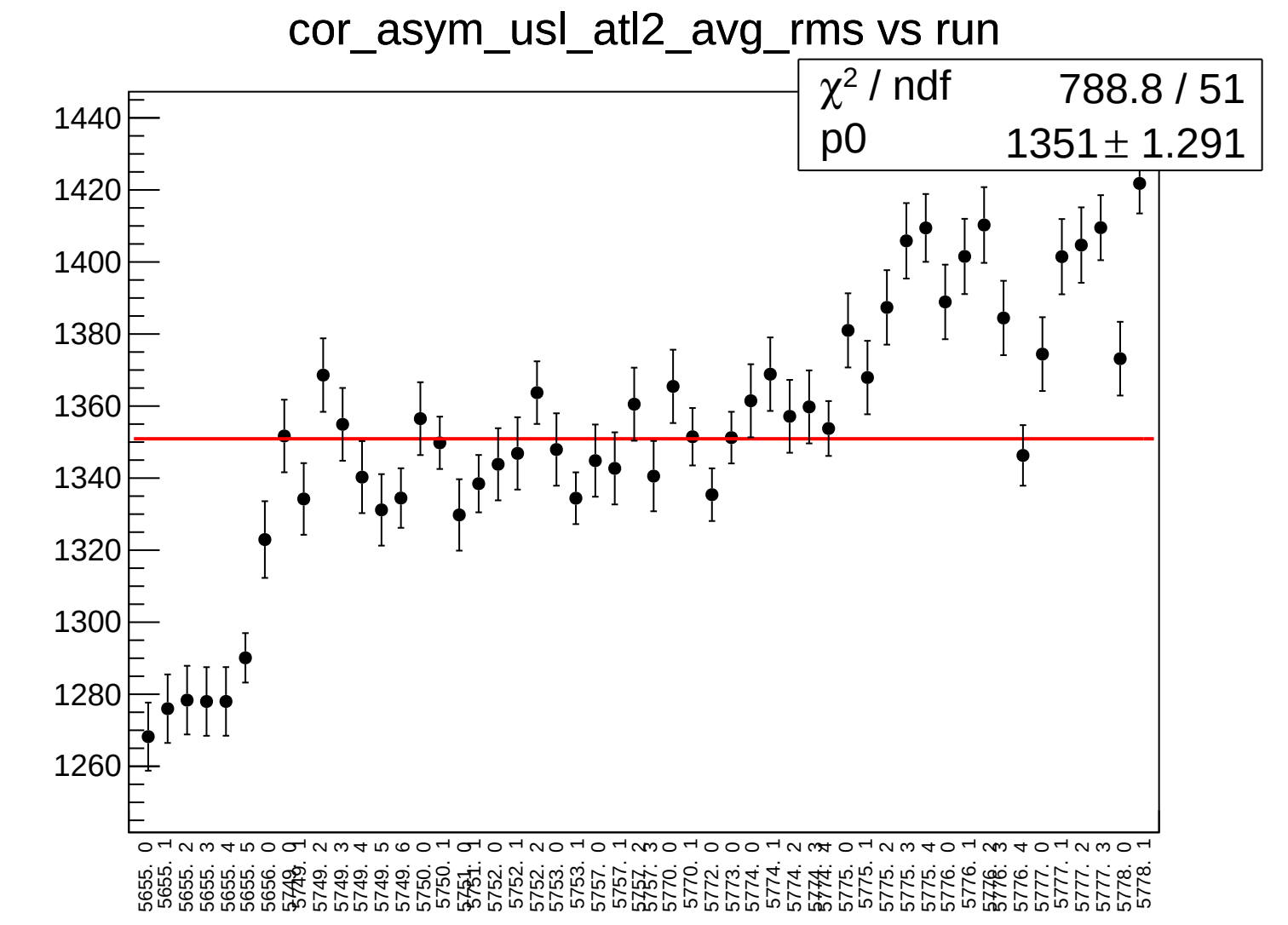

asym_usl_atl2_avg_reg_correction_mean vs run
χ² / ndf 52.08 / 51
p0 −2767 ± 5570
×10³
pull
Entries 52
Mean 28.97
Std Dev 52.63

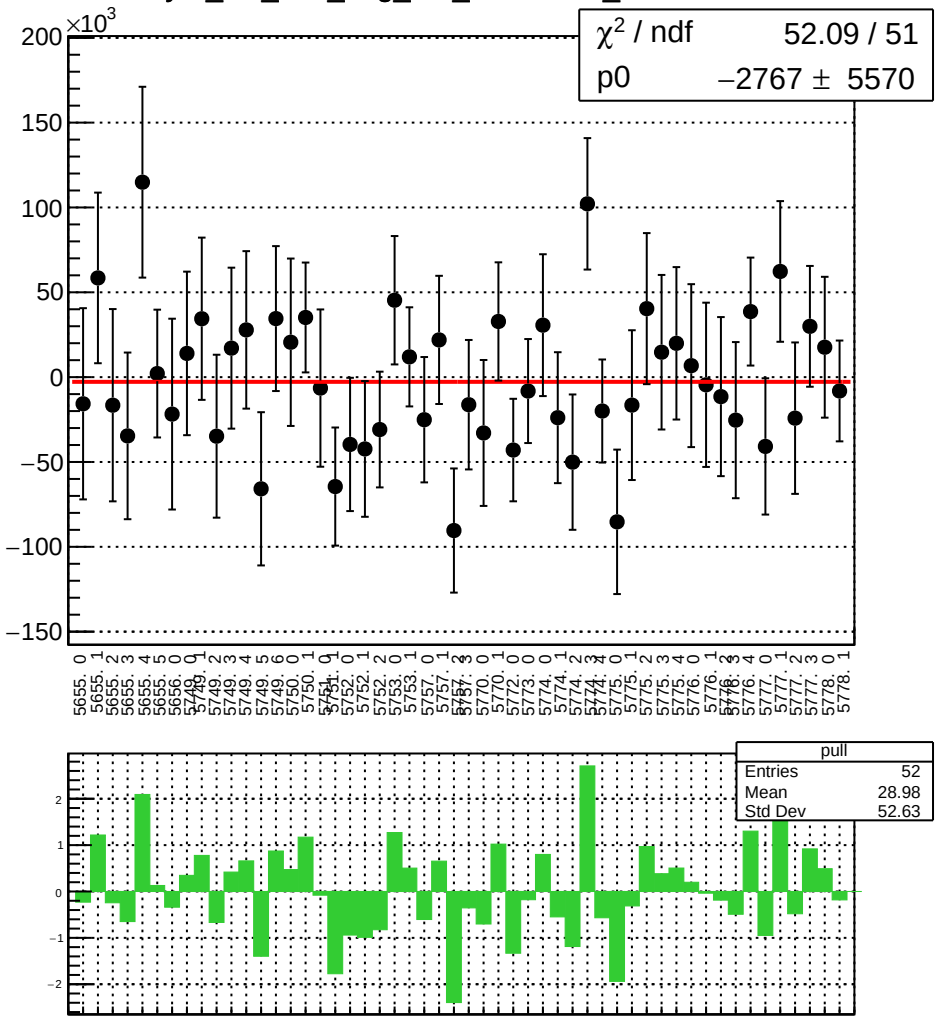

pull1D
Entries 52
Mean 0.01722
Std Dev 1.001

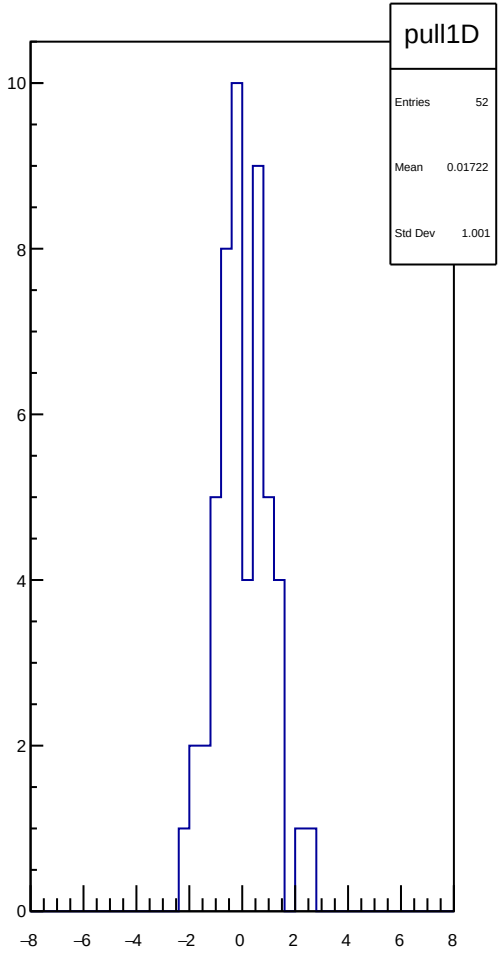

asym_usl_atl2_avg_reg_correction_rms vs run
χ² / ndf 1.303e+04 / 51
p0 4099 ± 3.939
5500
5000
4500
4000
3500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

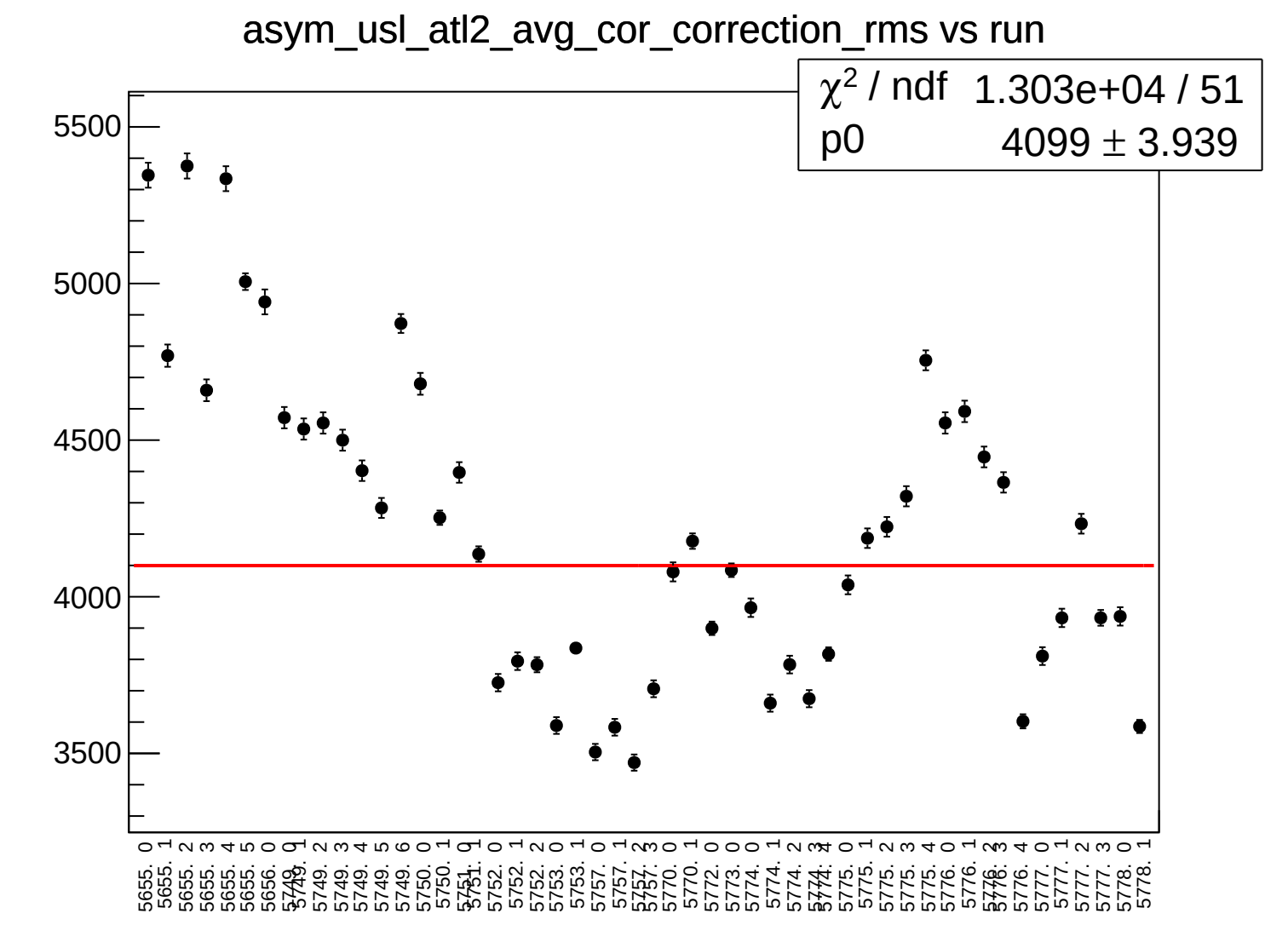

cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 47.15 / 51
p0 −2010 ± 1825
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −40.6
Std Dev 0
2
1
0
−1
−2
−3

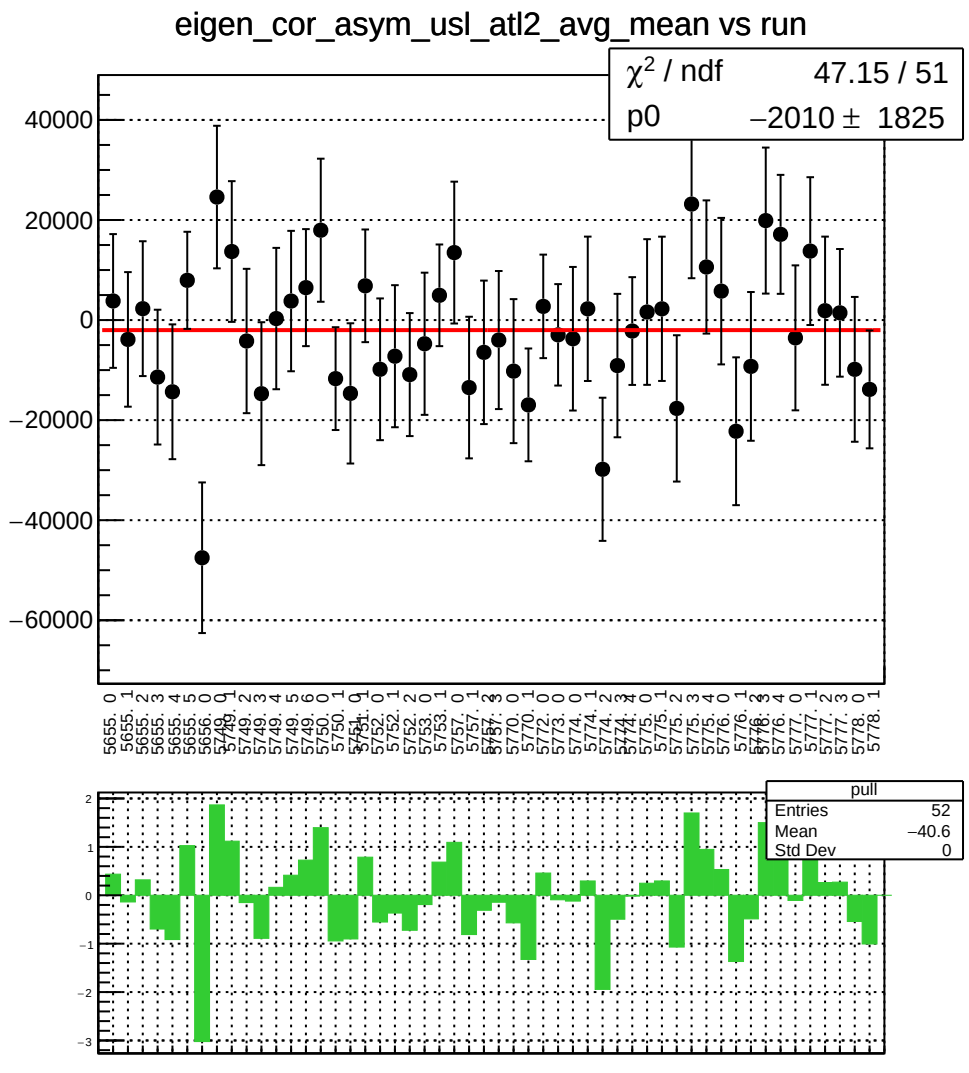

pull1D
Entries 52
Mean −0.01316
Std Dev 0.9521
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

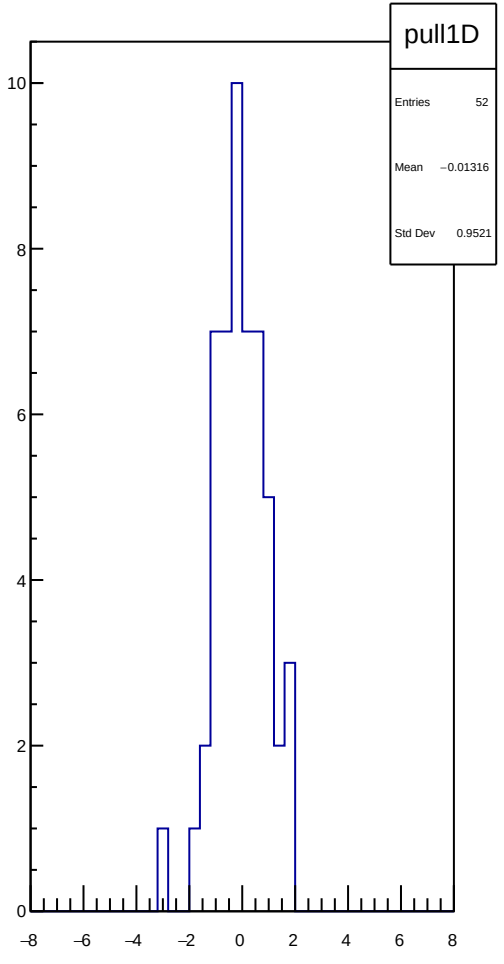

cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 788.8 / 51
p0 1351 ± 1.291
1440
1420
1400
1380
1360
1340
1320
1300
1280
1260
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

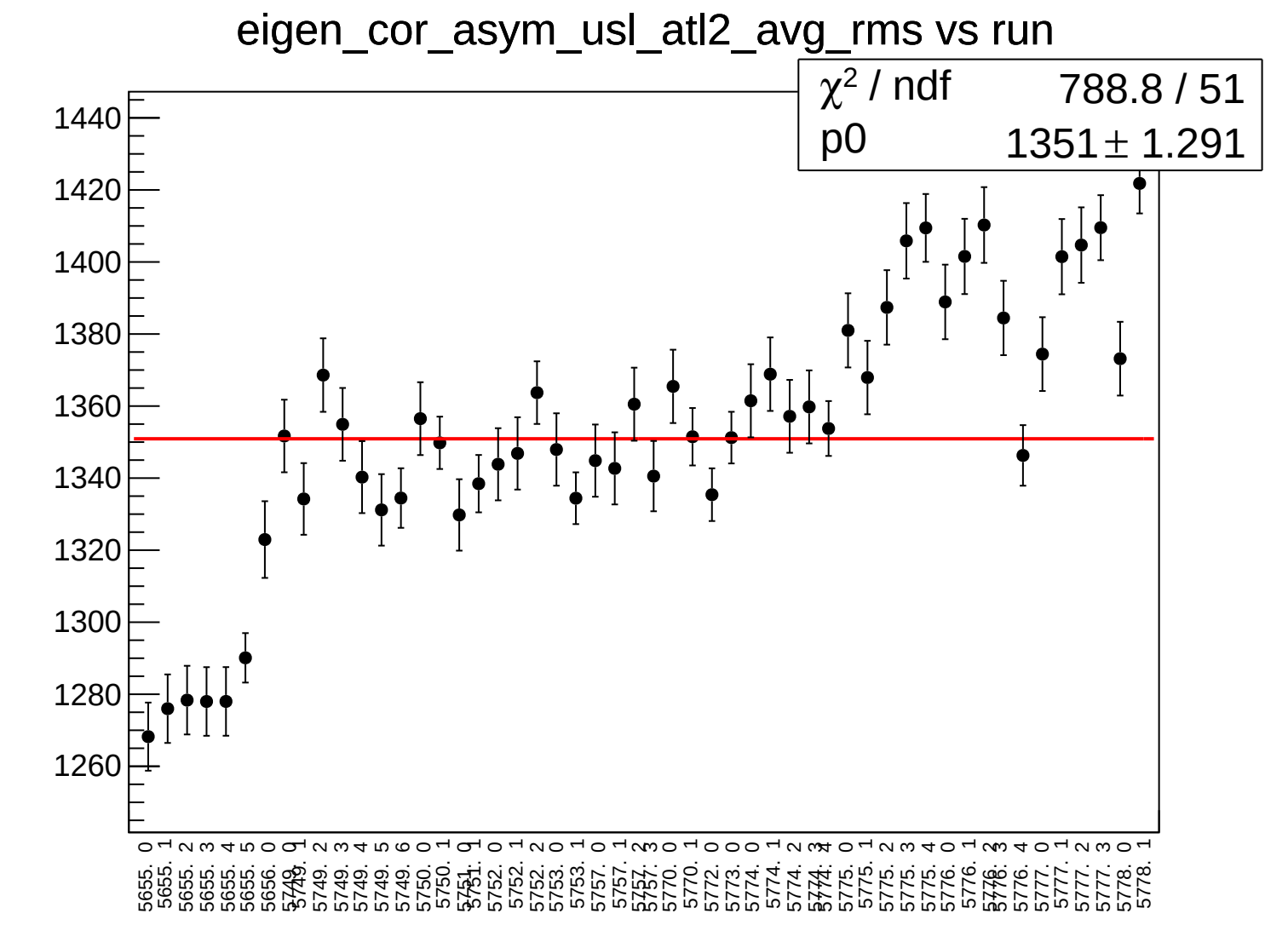

asym_usl_atl2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 52.09 / 51
p0 −2767 ± 5570
pull
Entries 52
Mean 28.98
Std Dev 52.63


pull1D
Entries 52
Mean 0.01722
Std Dev 1.001


asym_usl_atl2_avg_cor_correction_rms vs run
χ² / ndf 1.303e+04 / 51
p0 4099 ± 3.939
5500
5000
4500
4000
3500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 47.15 / 51
p0 −2010 ± 1825
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −40.6
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.01316
Std Dev 0.9521
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 788.8 / 51
p0 1351 ± 1.291
1440
1420
1400
1380
1360
1340
1320
1300
1280
1260
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5750. 1
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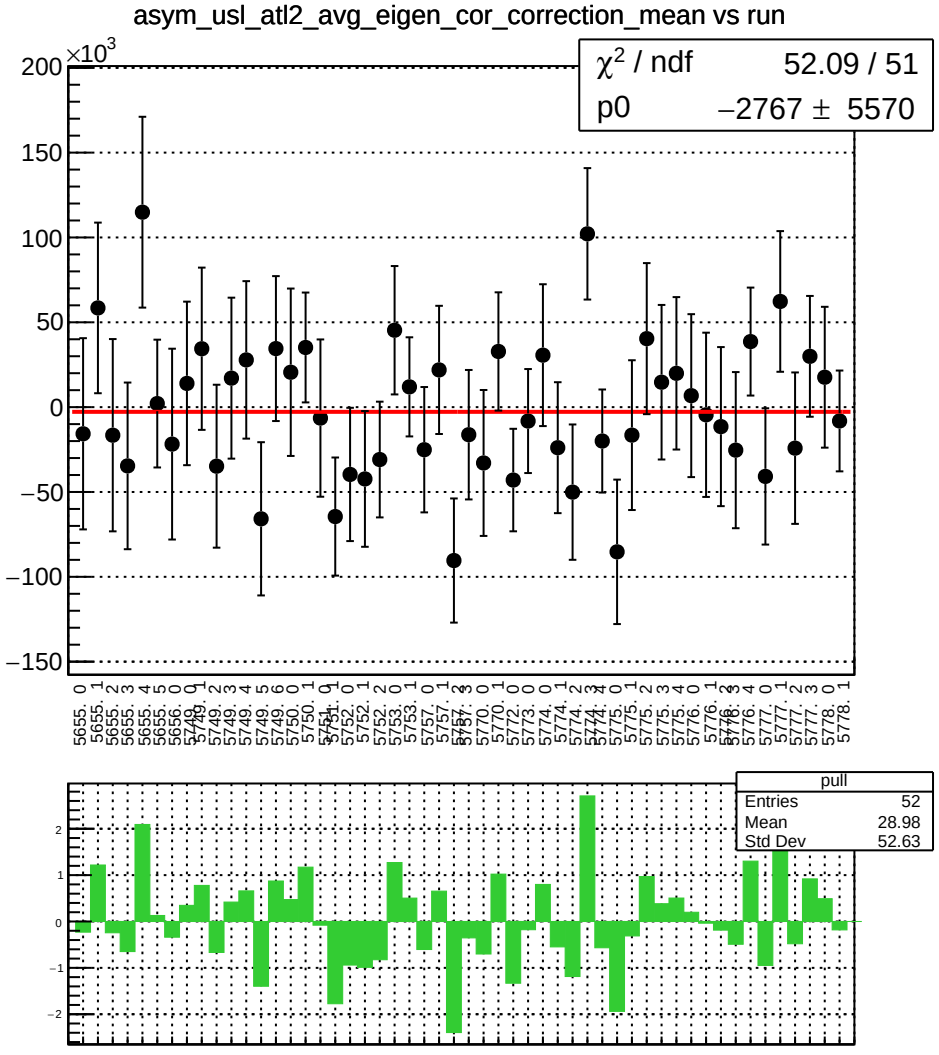
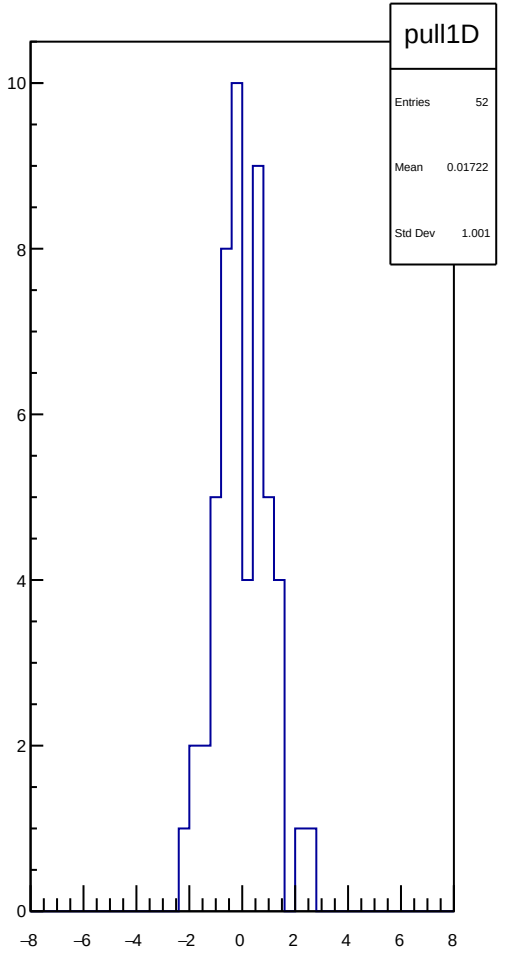
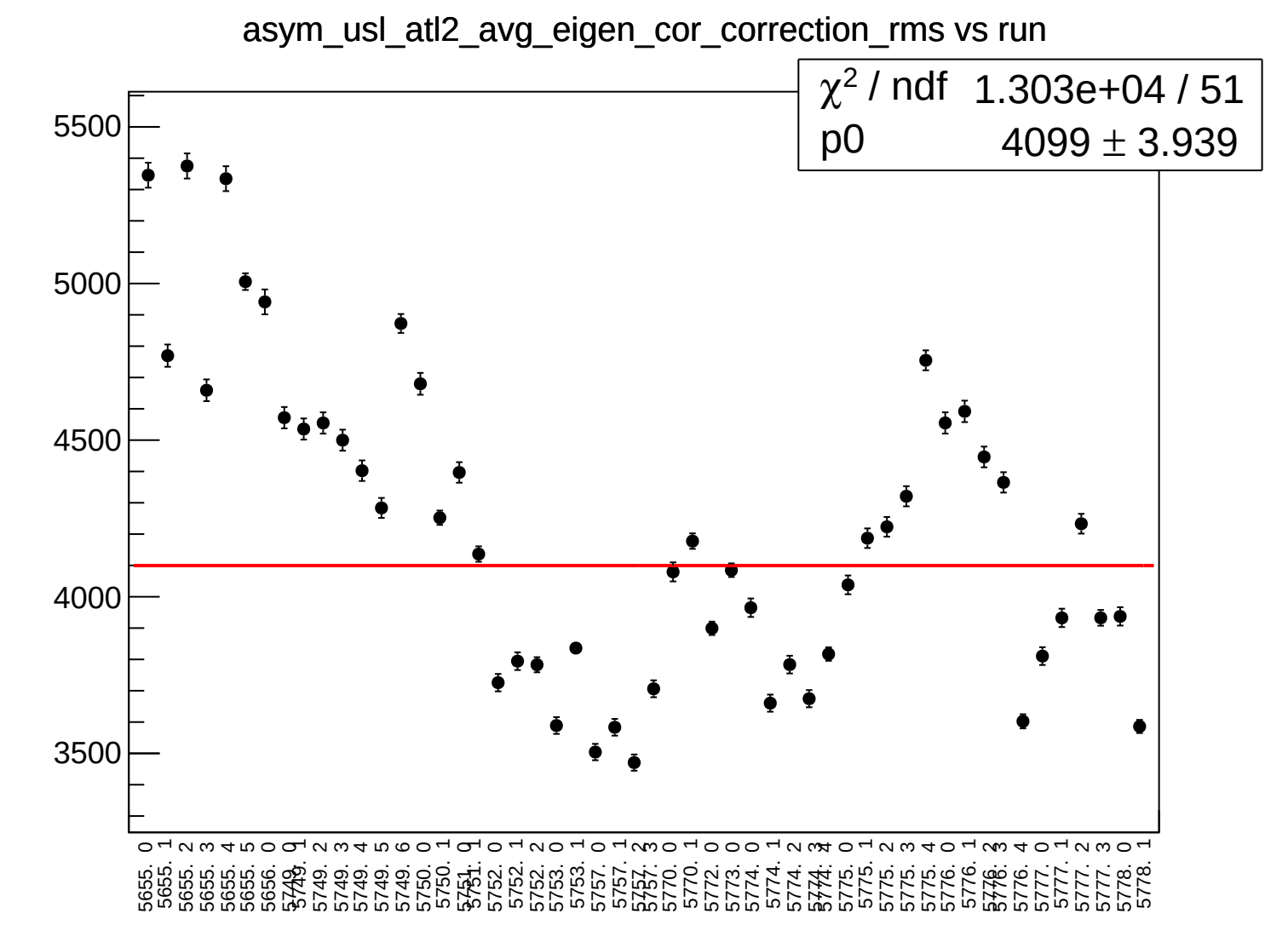
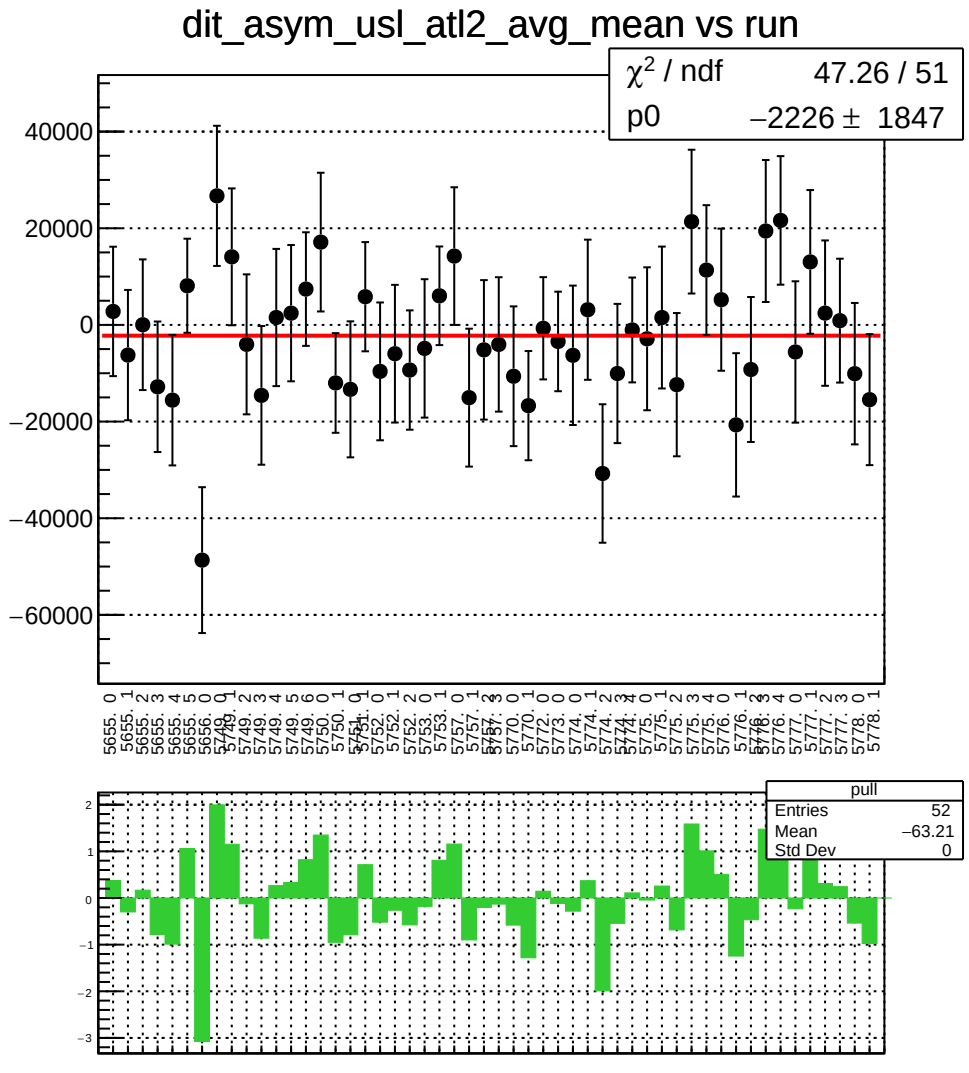
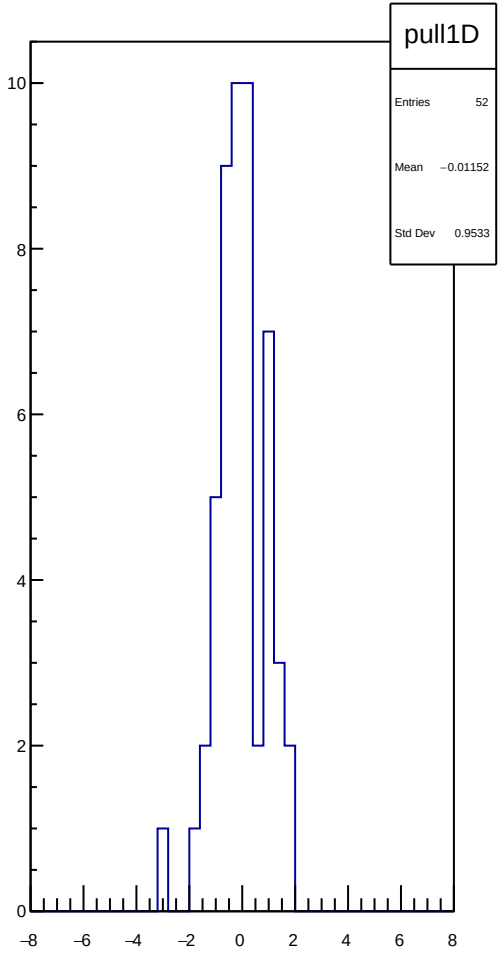
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

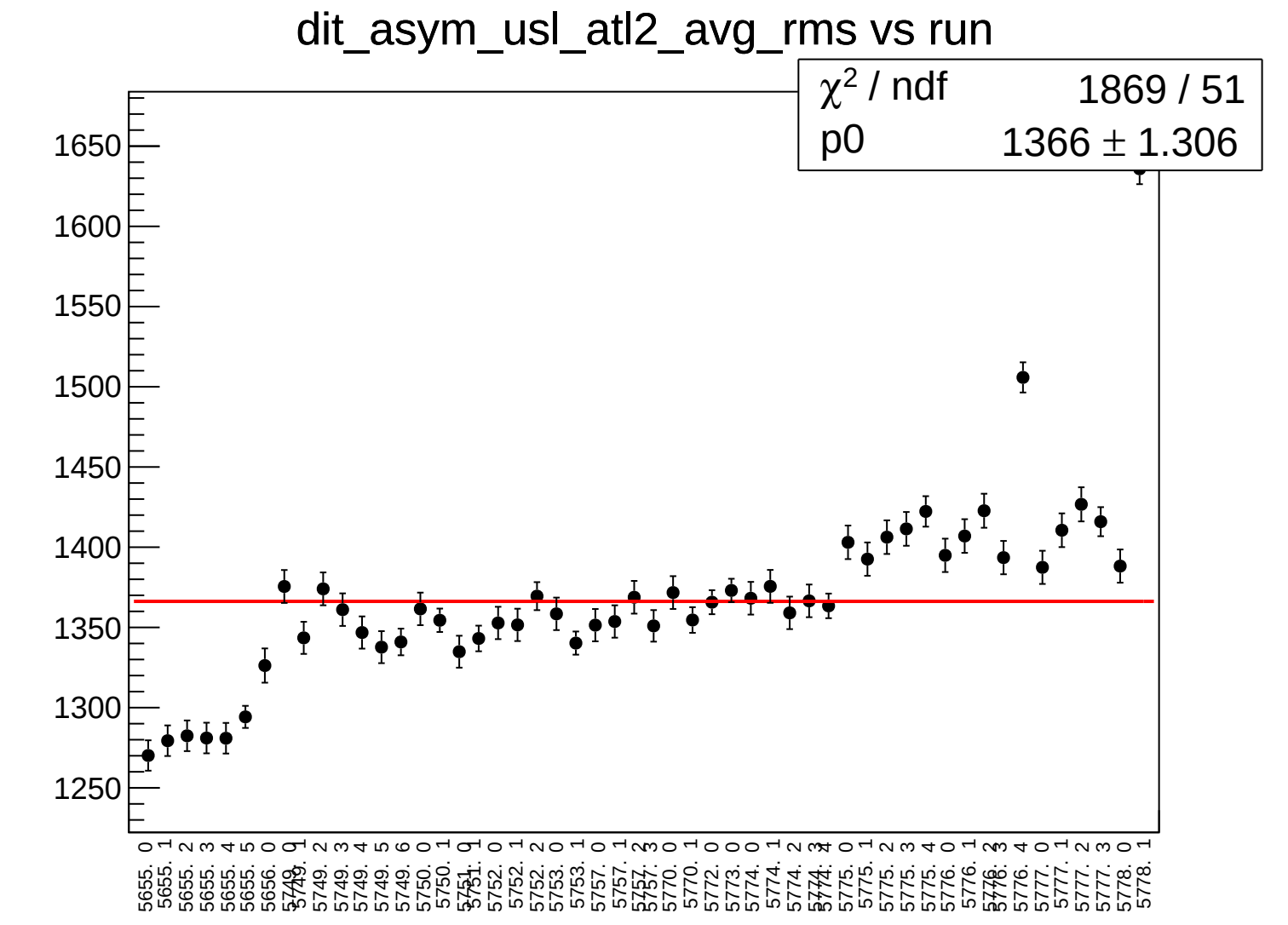

asym_usl_atl2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 52.09 / 51
p0 −2767 ± 5570
pull
Entries 52
Mean 28.98
Std Dev 52.63

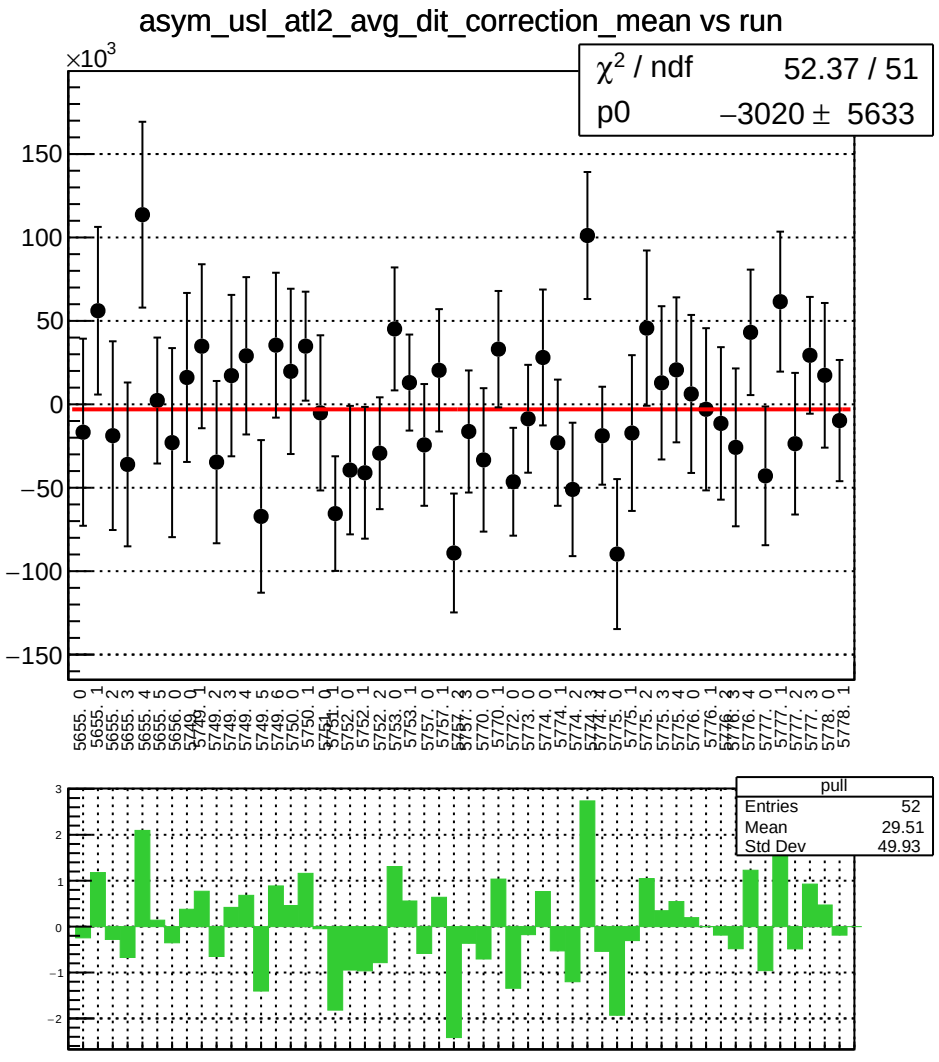

pull1D
Entries 52
Mean 0.01722
Std Dev 1.001

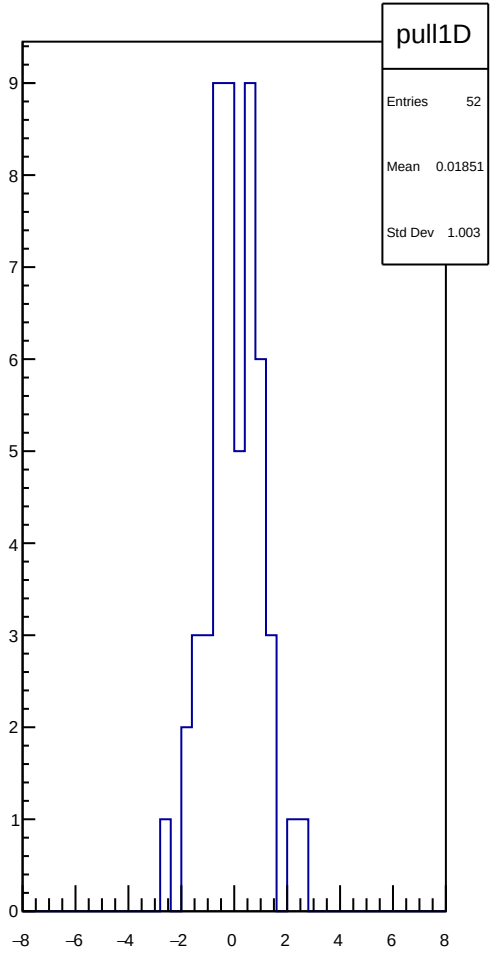

asym_usl_atl2_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.303e+04 / 51
p0 4099 ± 3.939
5500
5000
4500
4000
3500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

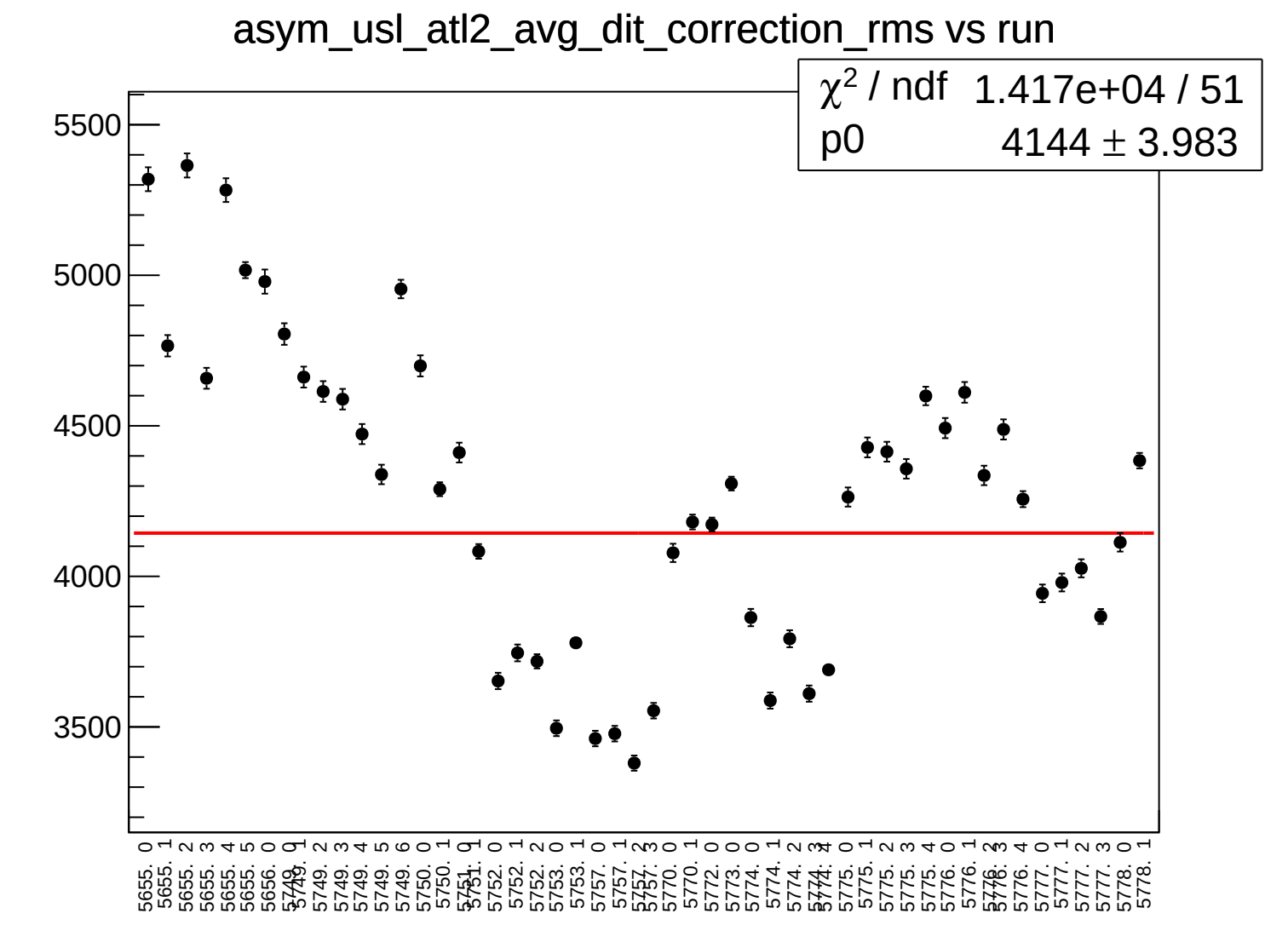

dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 47.26 / 51
p0 −2226 ± 1847
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −63.21
Std Dev 0
2
1
0
−1
−2
−3

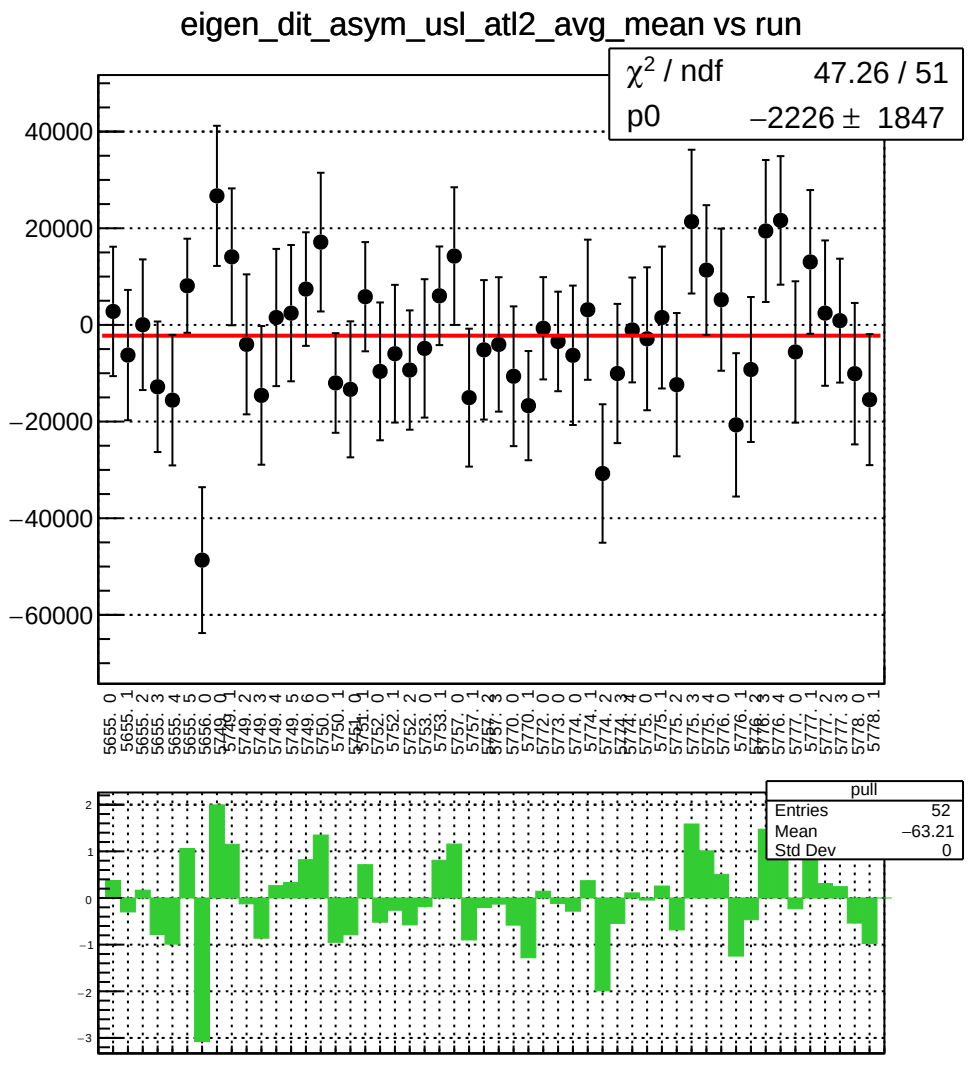

pull1D
Entries 52
Mean −0.01152
Std Dev 0.9533
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

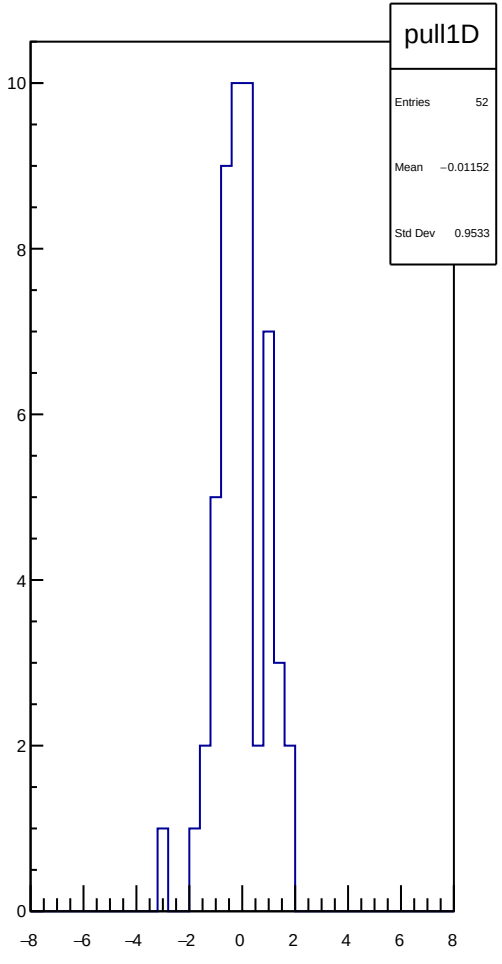

dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 1869 / 51
p0 1366 ± 1.306
1650
1600
1550
1500
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

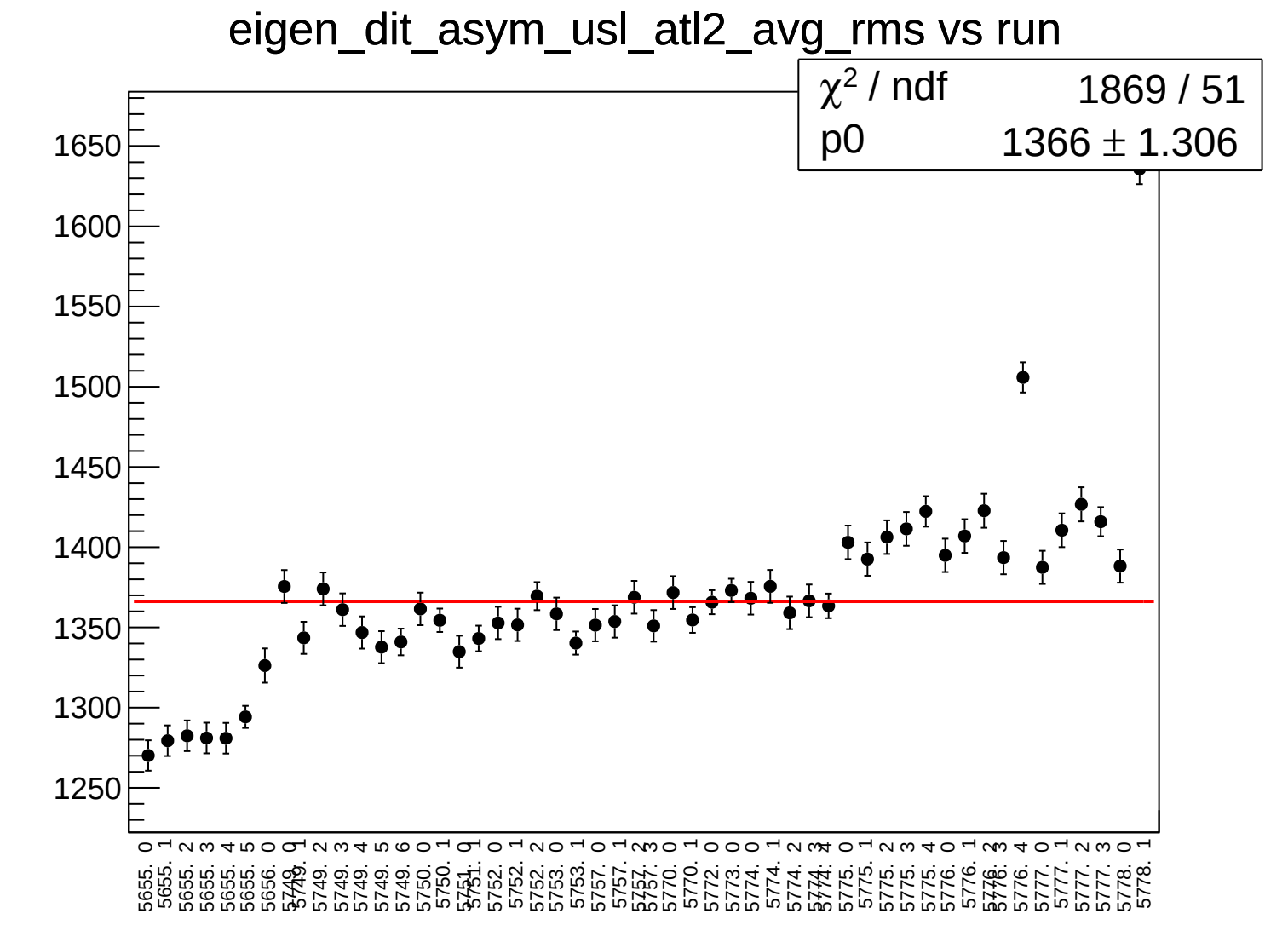

asym_usl_atl2_avg_dit_correction_mean vs run
×10^3
χ^2 / ndf 52.37 / 51
p0 −3020 ± 5633
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean 29.51
Std Dev 49.93
3
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01851
Std Dev 1.003
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl2_avg_dit_correction_rms vs run
χ² / ndf 1.417e+04 / 51
p0 4144 ± 3.983
5500
5000
4500
4000
3500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 47.26 / 51
p0 −2226 ± 1847
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −63.21
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.01152
Std Dev 0.9533
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 1869 / 51
p0 1366 ± 1.306
1650
1600
1550
1500
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
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5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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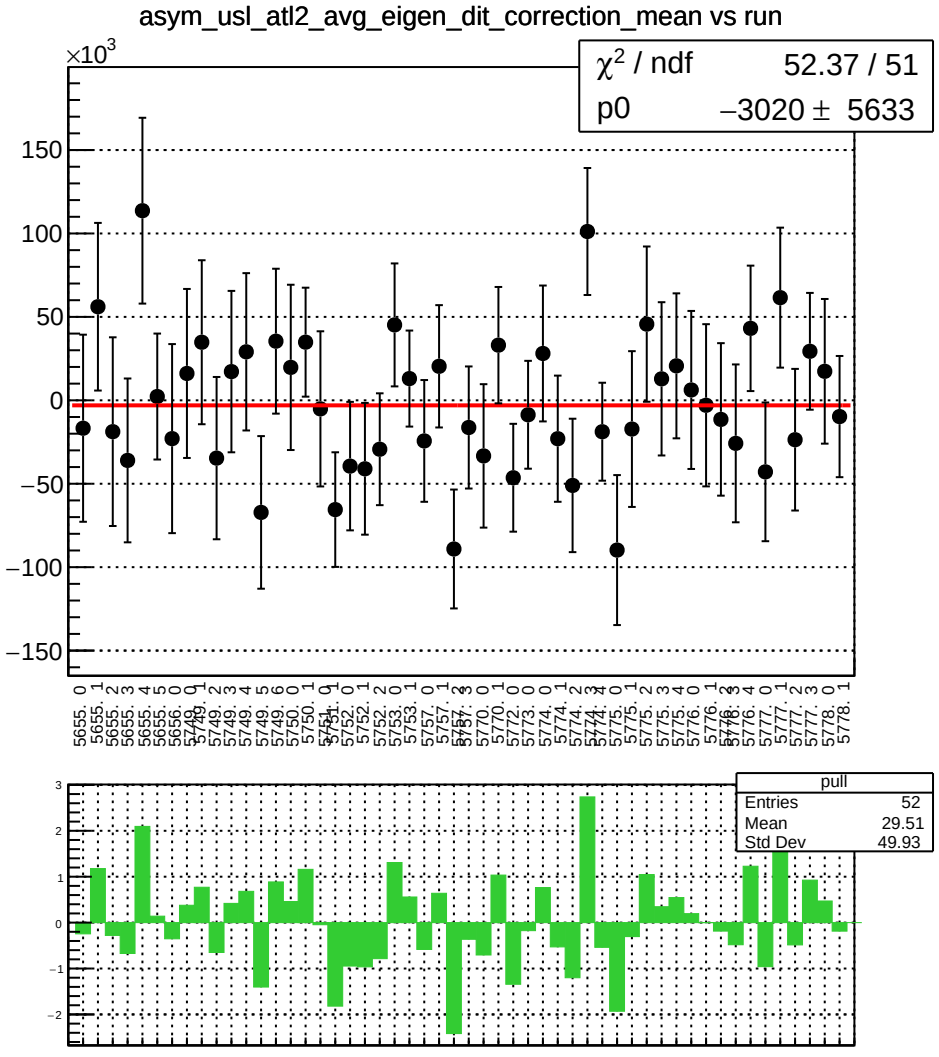
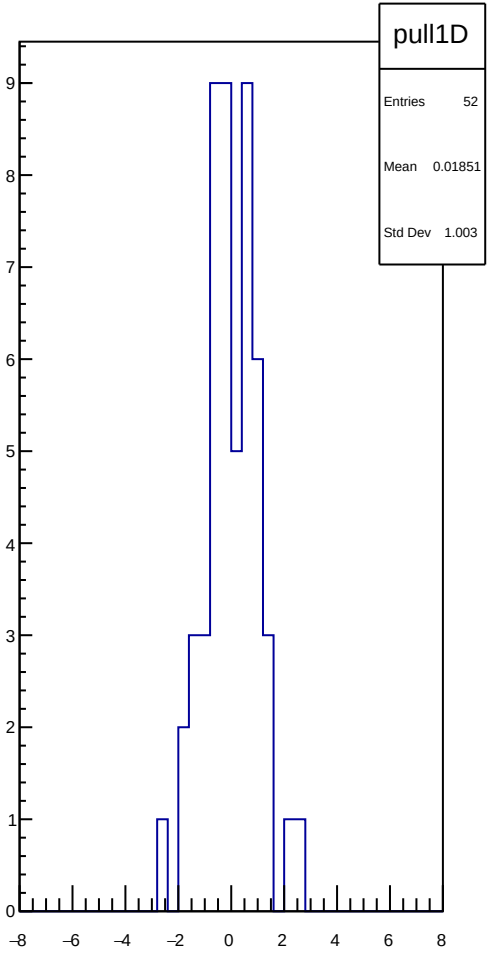
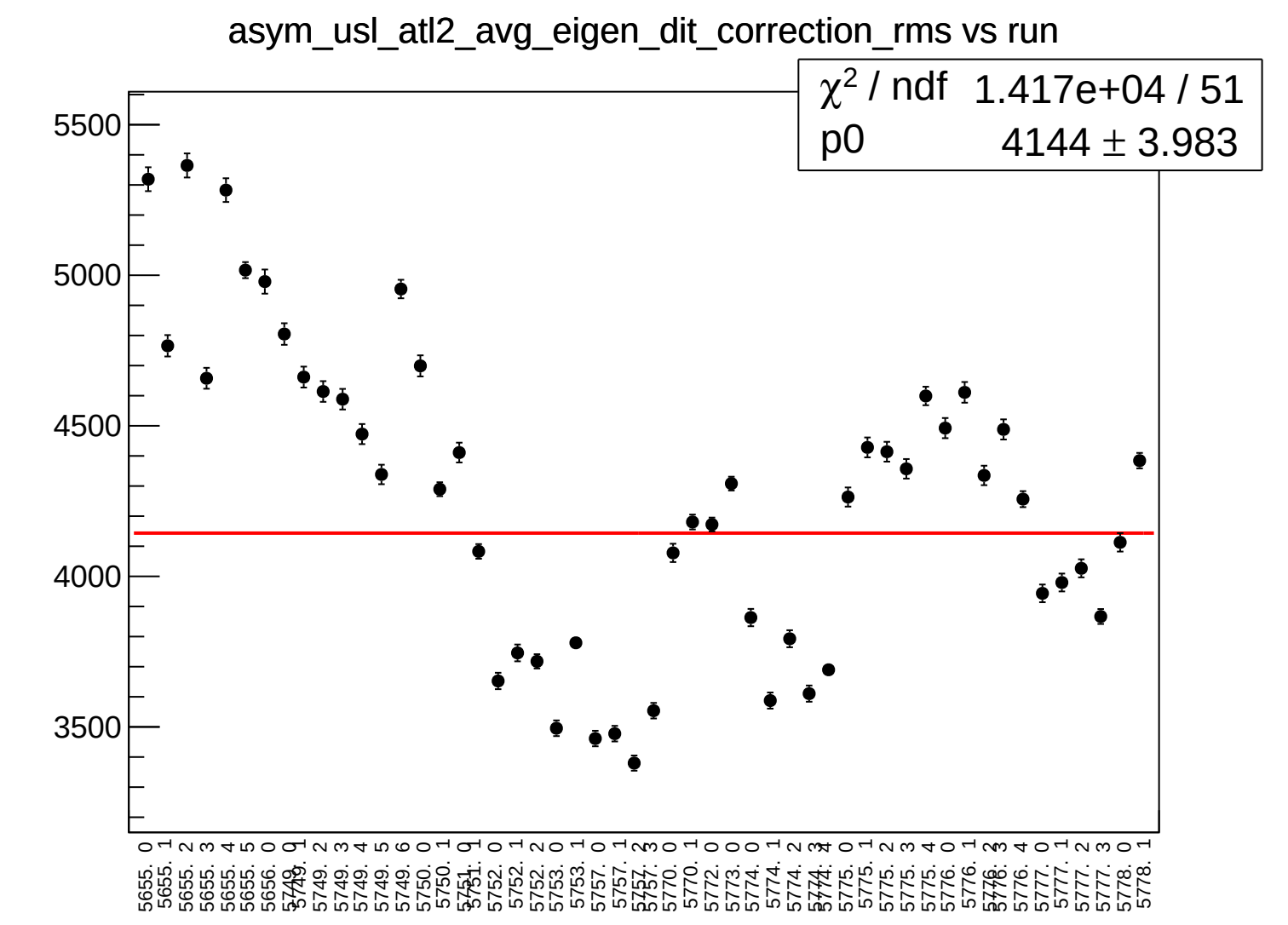
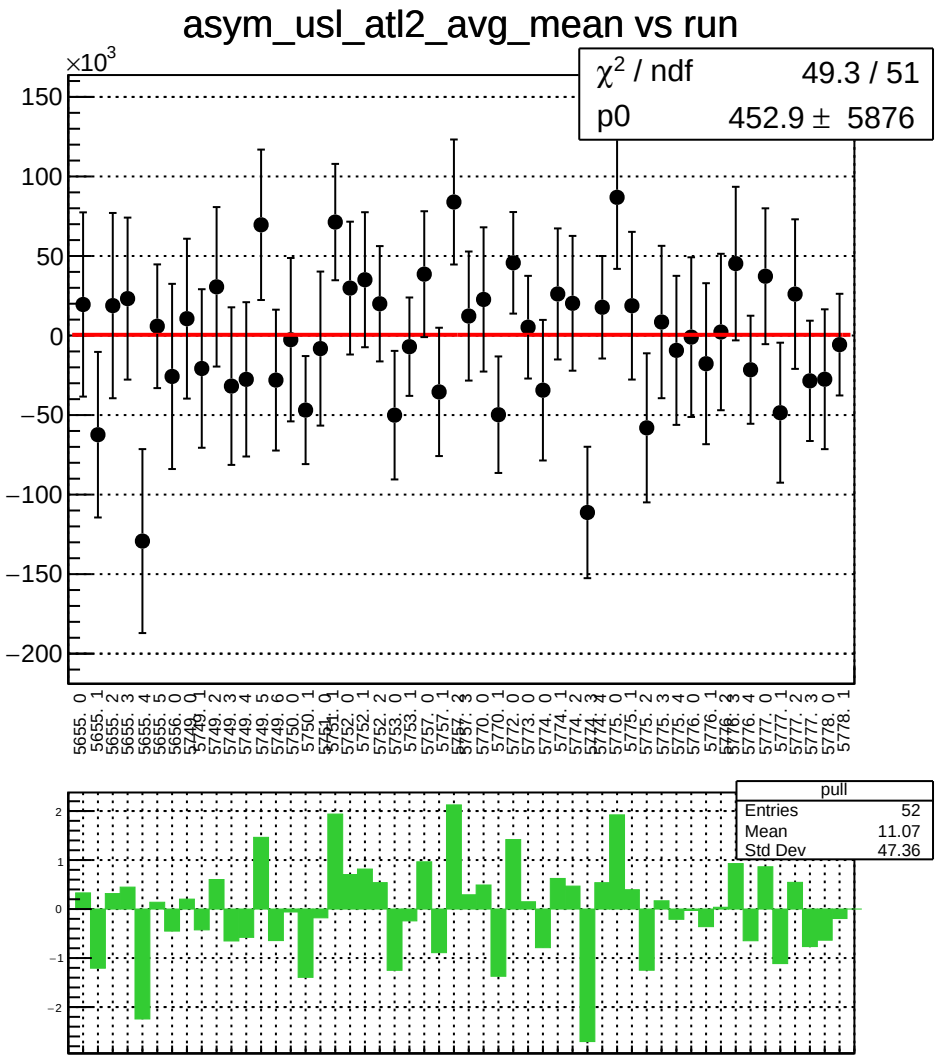
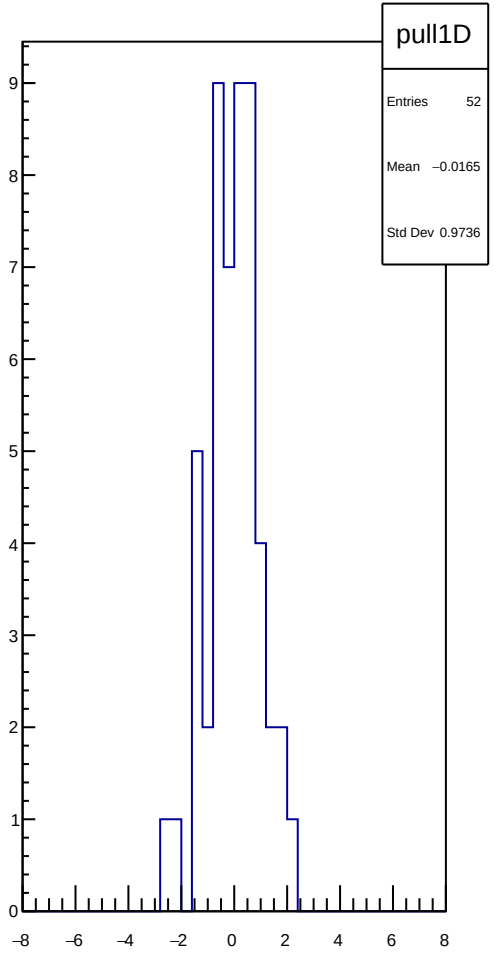
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

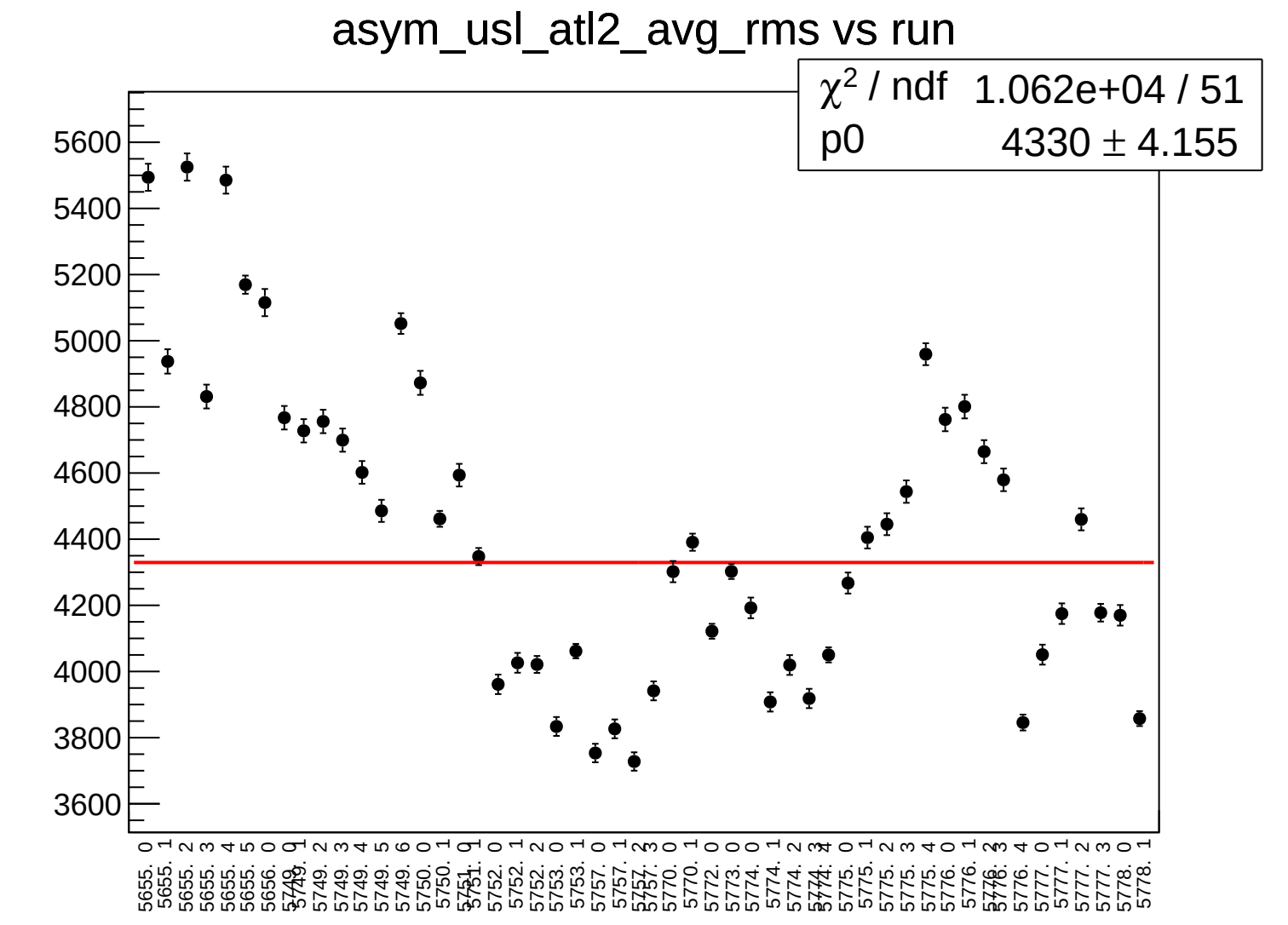

asym_usl_atl2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 52.37 / 51
p0 −3020 ± 5633
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean 29.51
Std Dev 49.93
3
2
1
0
−1
−2

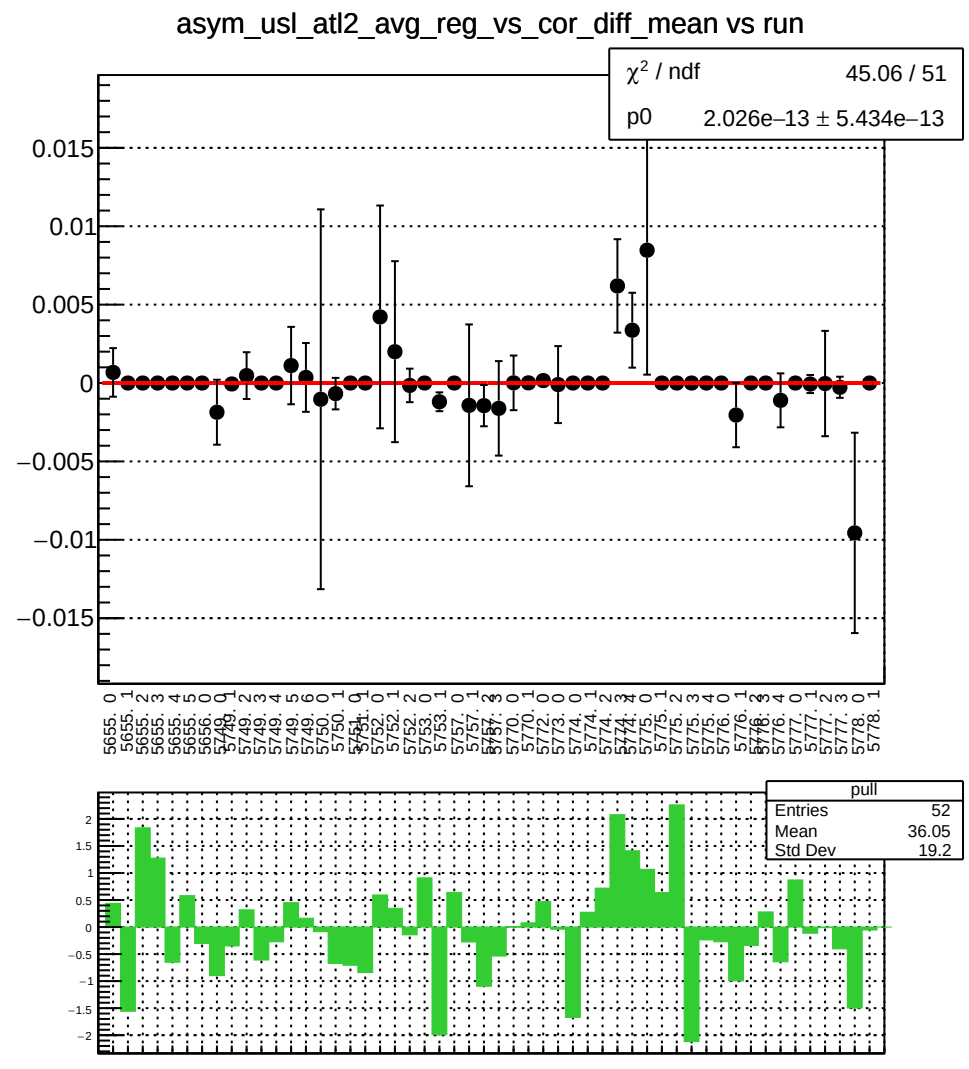

pull1D
Entries 52
Mean 0.01851
Std Dev 1.003
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

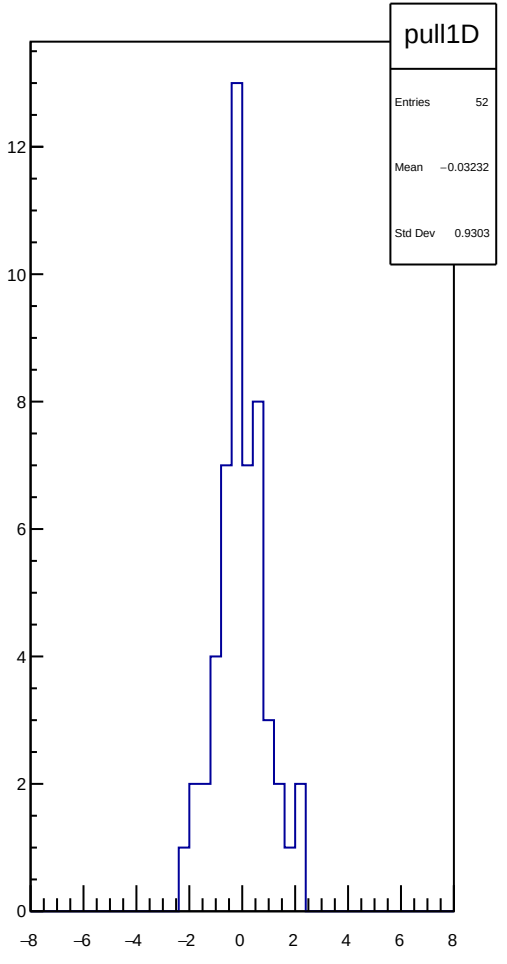

asym_usl_atl2_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.417e+04 / 51
p0 4144 ± 3.983
5500
5000
4500
4000
3500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

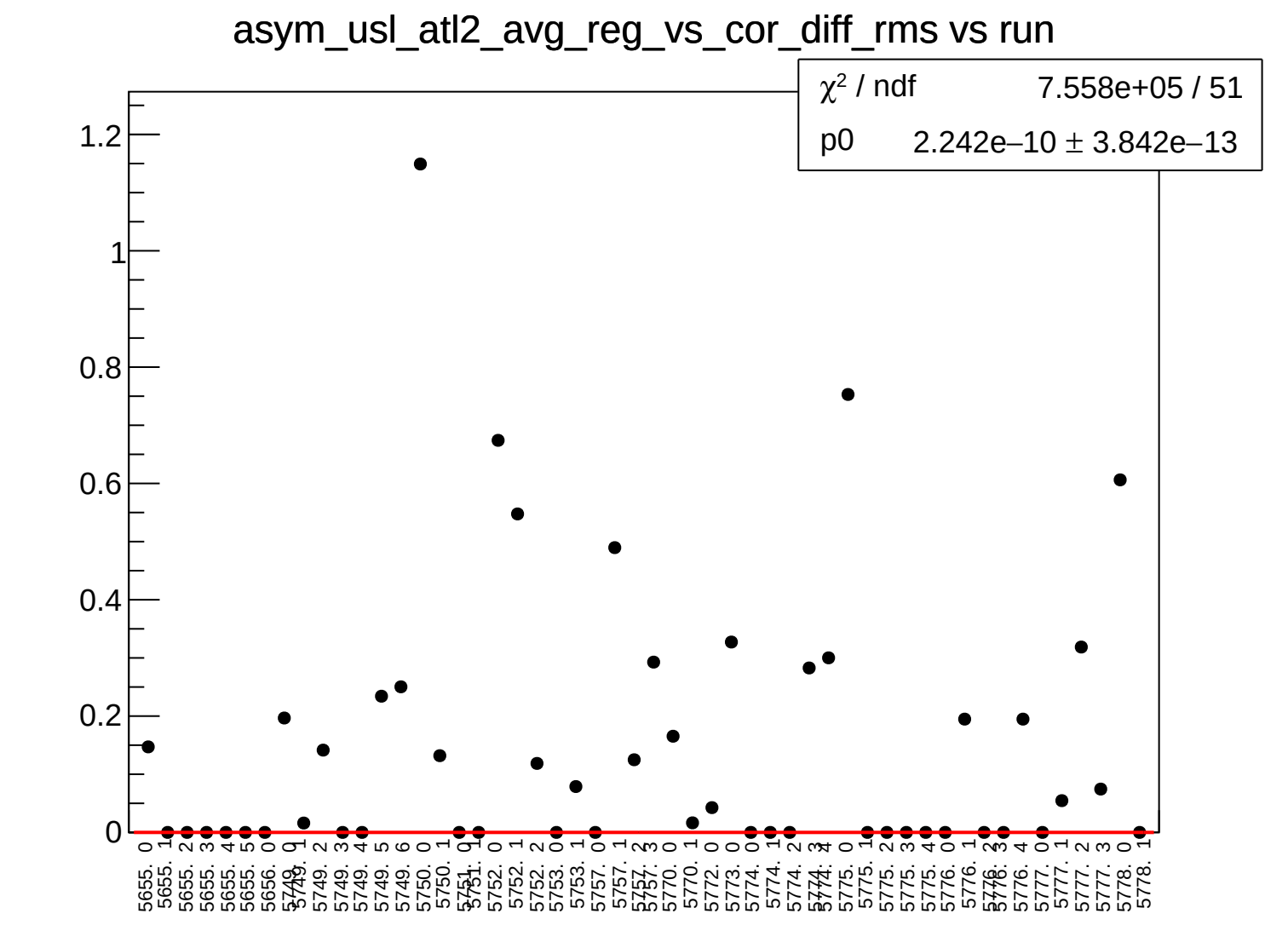

asym_usl_atl2_avg_mean vs run
×10^3
χ^2 / ndf 49.3 / 51
p0 452.9 ± 5876
150
100
50
0
−50
−100
−150
−200
pull
Entries 52
Mean 11.07
Std Dev 47.36
2
1
0
−1
−2

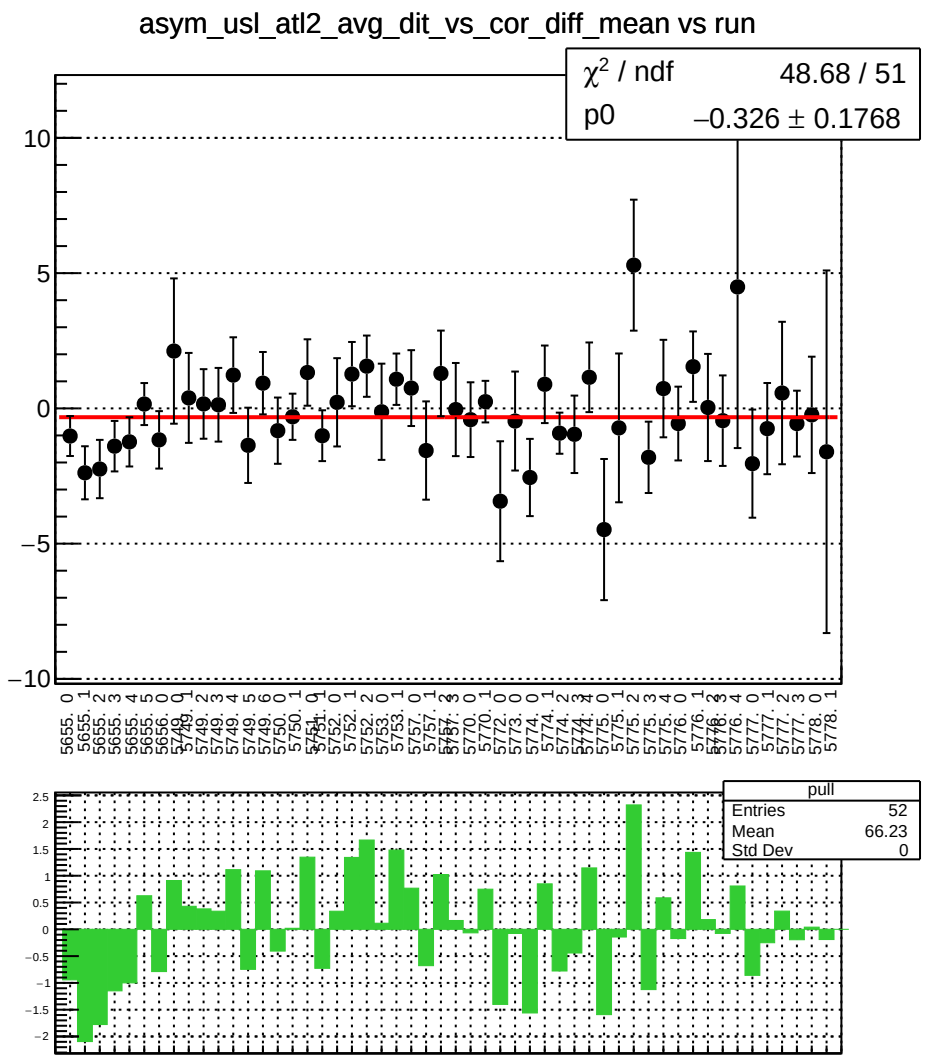

pull1D
Entries 52
Mean −0.0165
Std Dev 0.9736
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

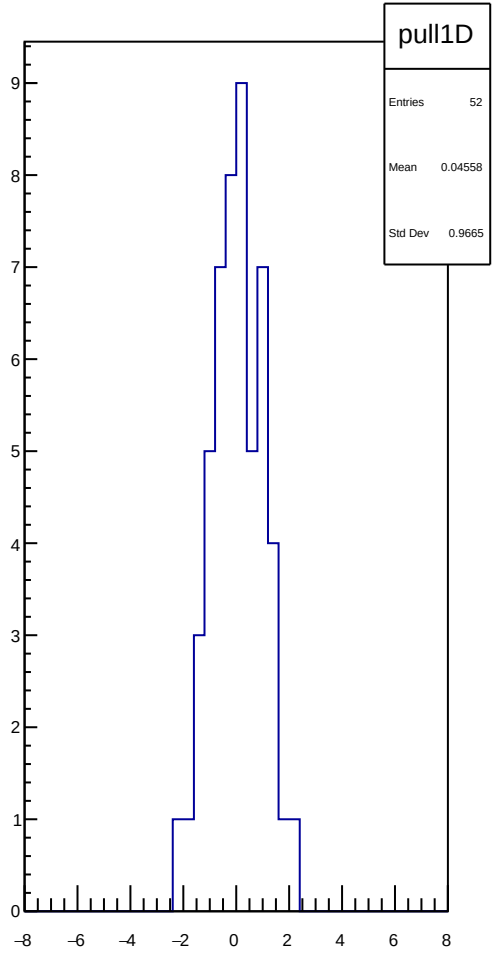

asym_usl_atl2_avg_rms vs run
χ² / ndf 1.062e+04 / 51
p0 4330 ± 4.155
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800
3600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

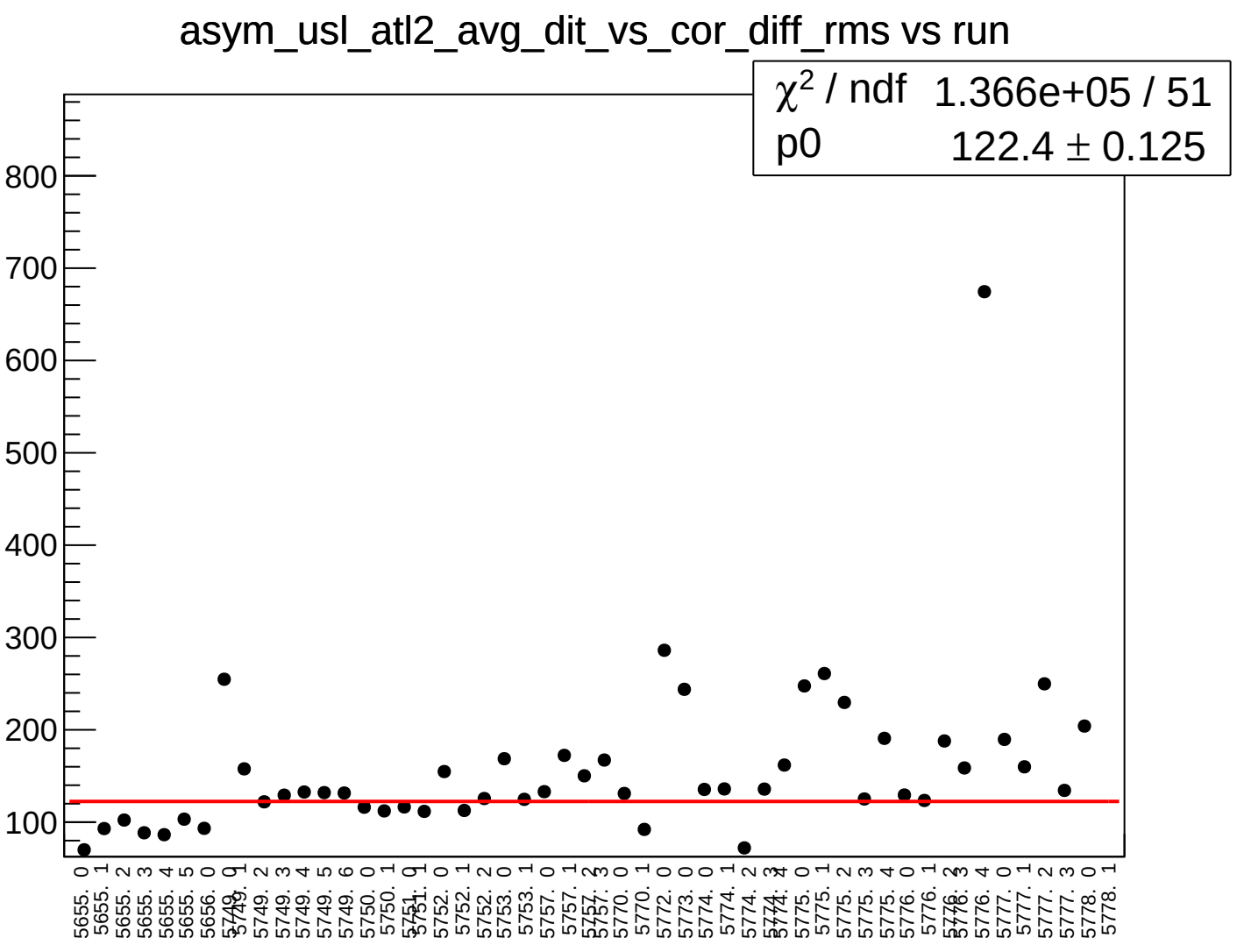

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 45.06 / 51
p0 2.026e−13 ± 5.434e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 52
Mean 36.05
Std Dev 19.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

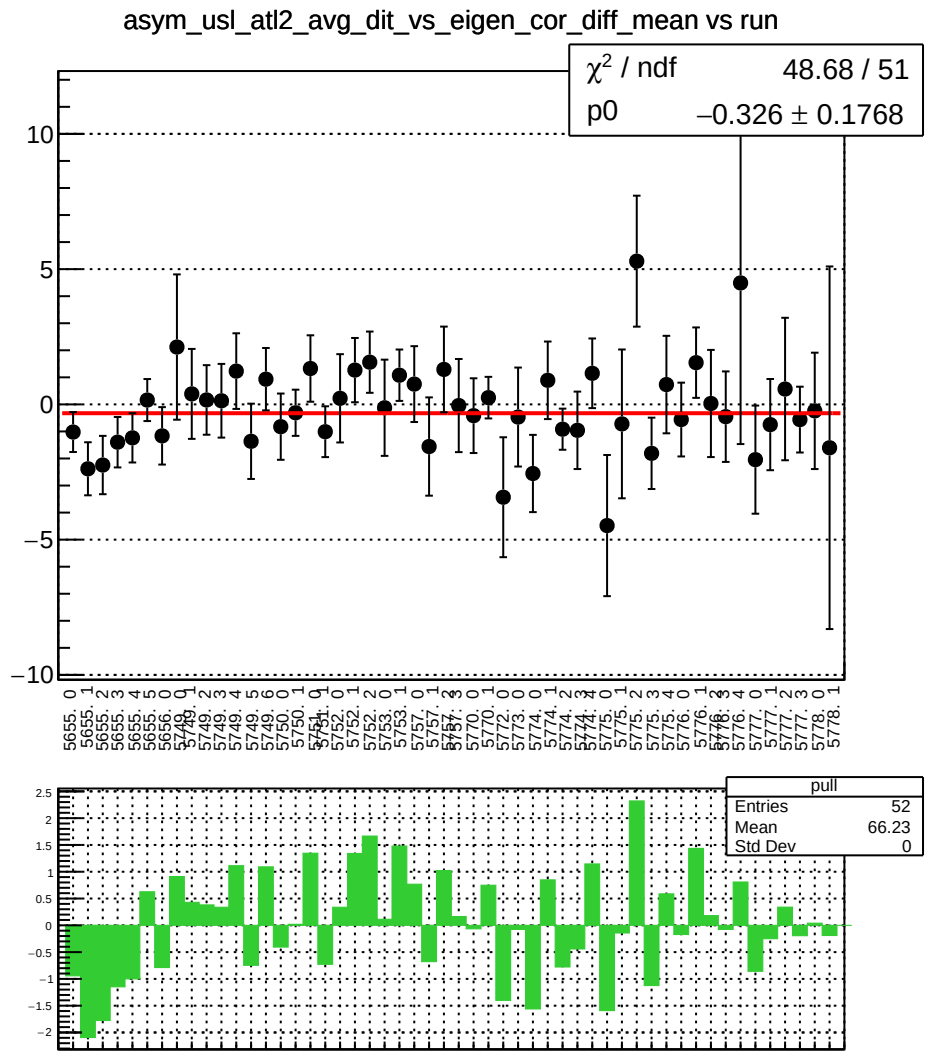

pull1D
Entries 52
Mean −0.03232
Std Dev 0.9303
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

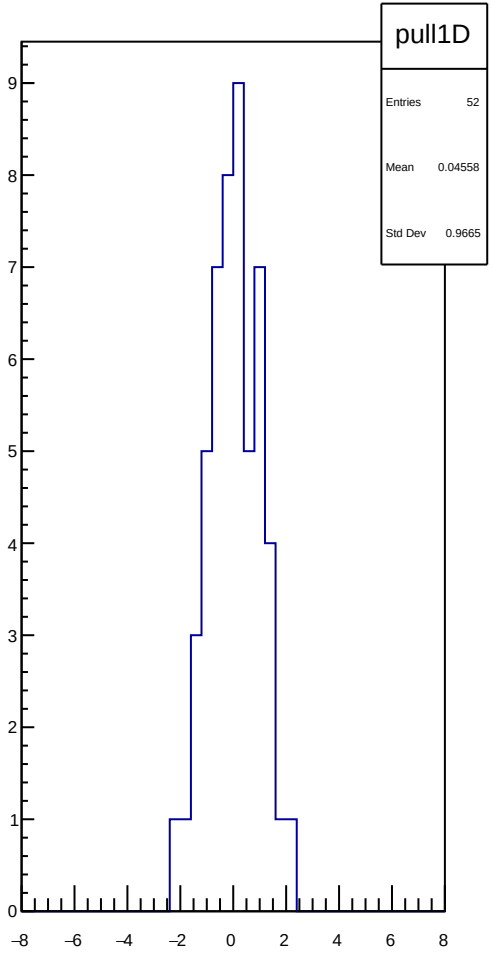

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.558e+05 / 51
p0 2.242e−10 ± 3.842e−13
1.2
1
0.8
0.6
0.4
0.2
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

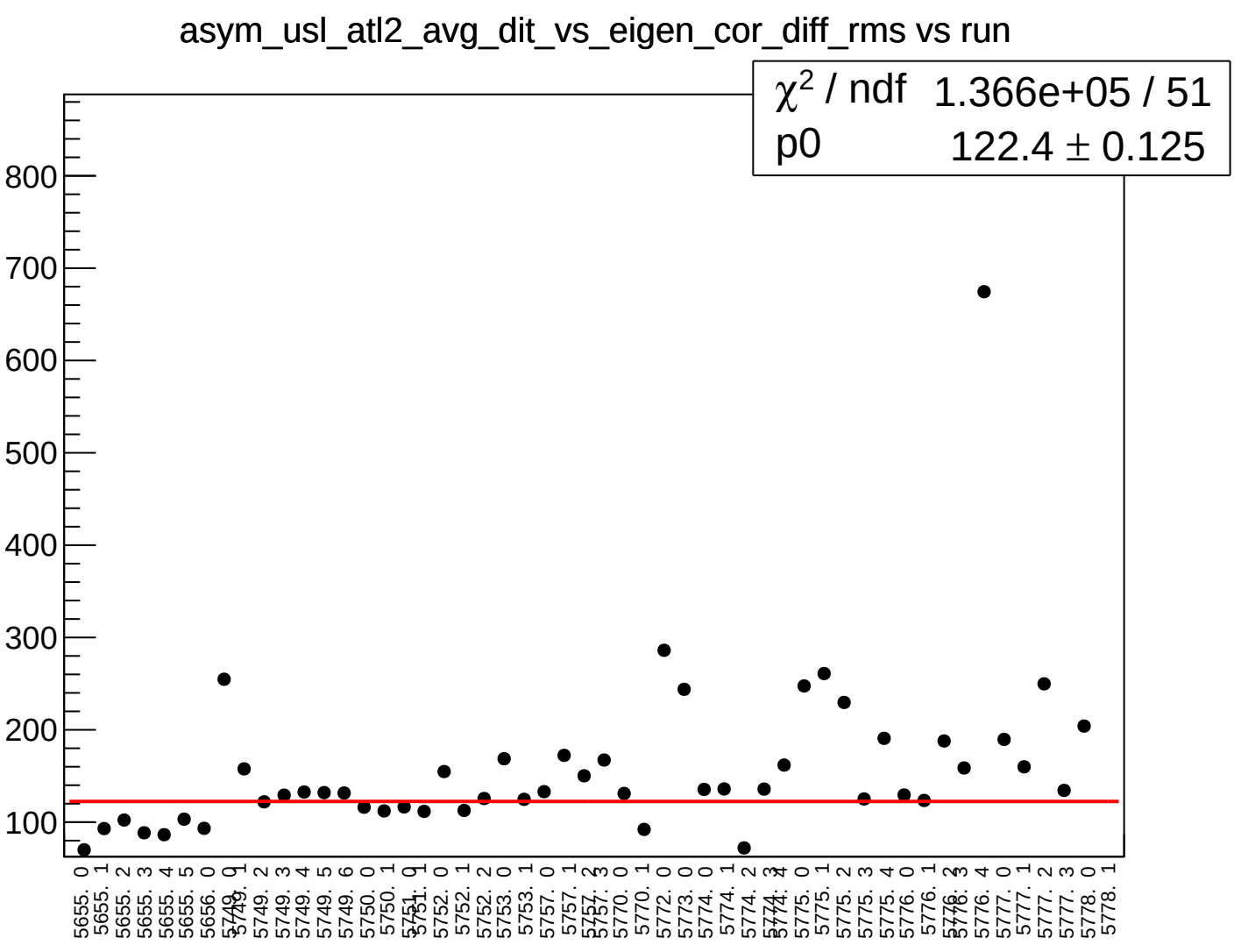

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 48.68 / 51
p0 −0.326 ± 0.1768
pull
Entries 52
Mean 66.23
Std Dev 0

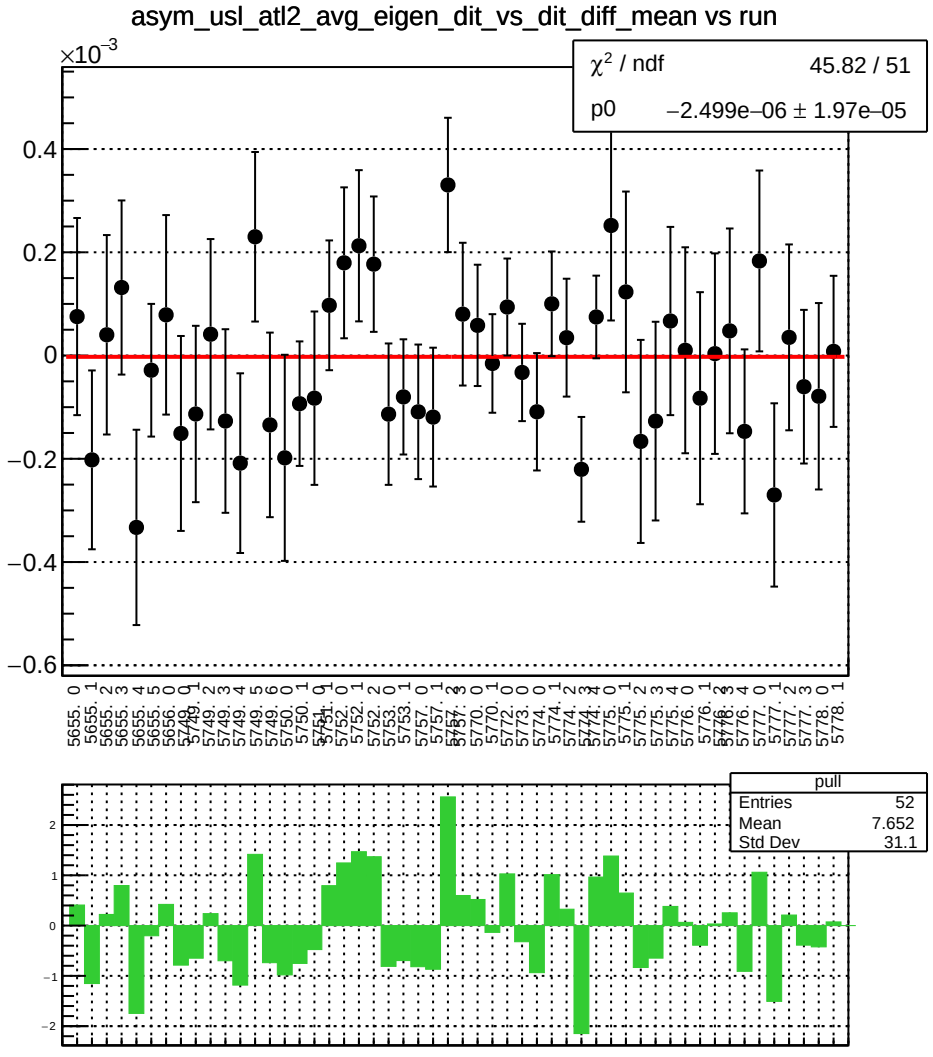

pull1D
Entries 52
Mean 0.04558
Std Dev 0.9665

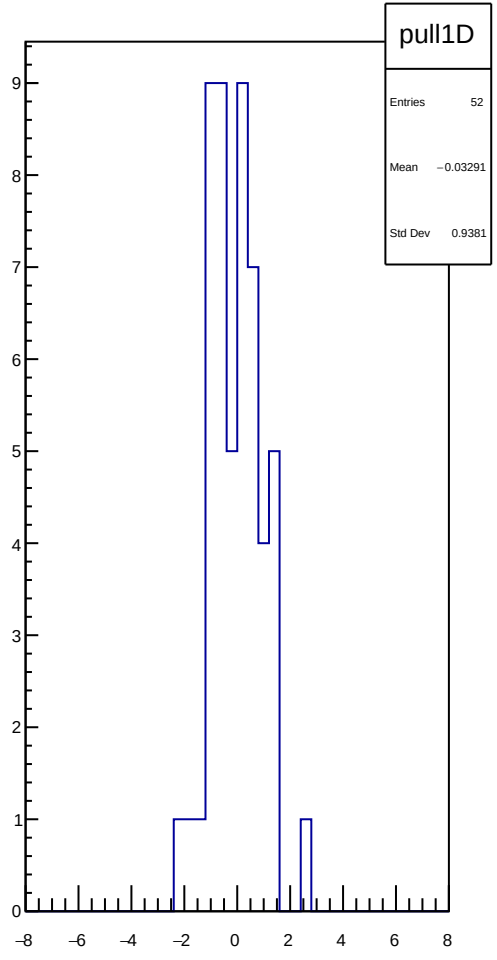

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.366e+05 / 51
p0 122.4 ± 0.125
800
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

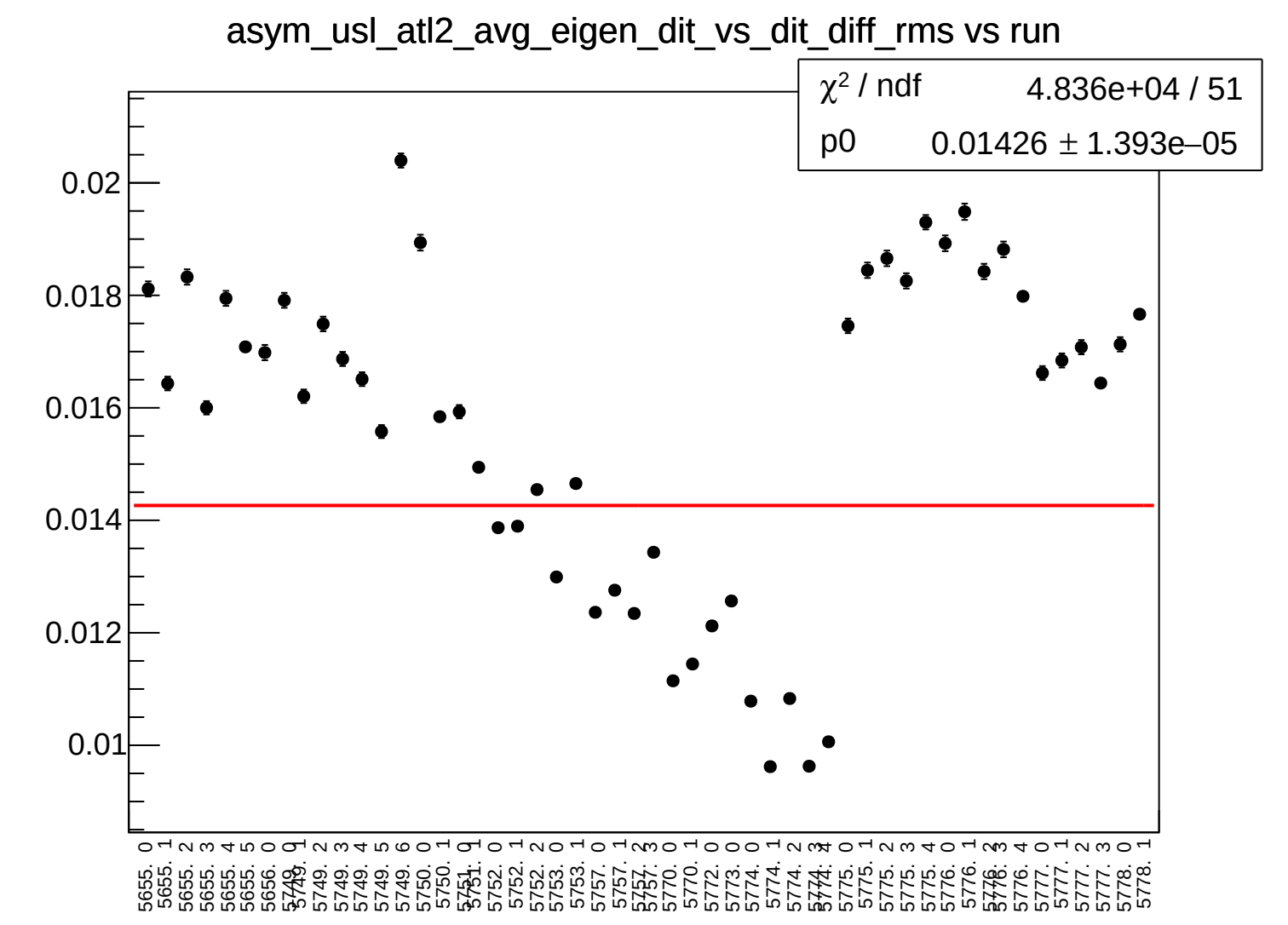

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.68 / 51
p0 −0.326 ± 0.1768
pull
Entries 52
Mean 66.23
Std Dev 0

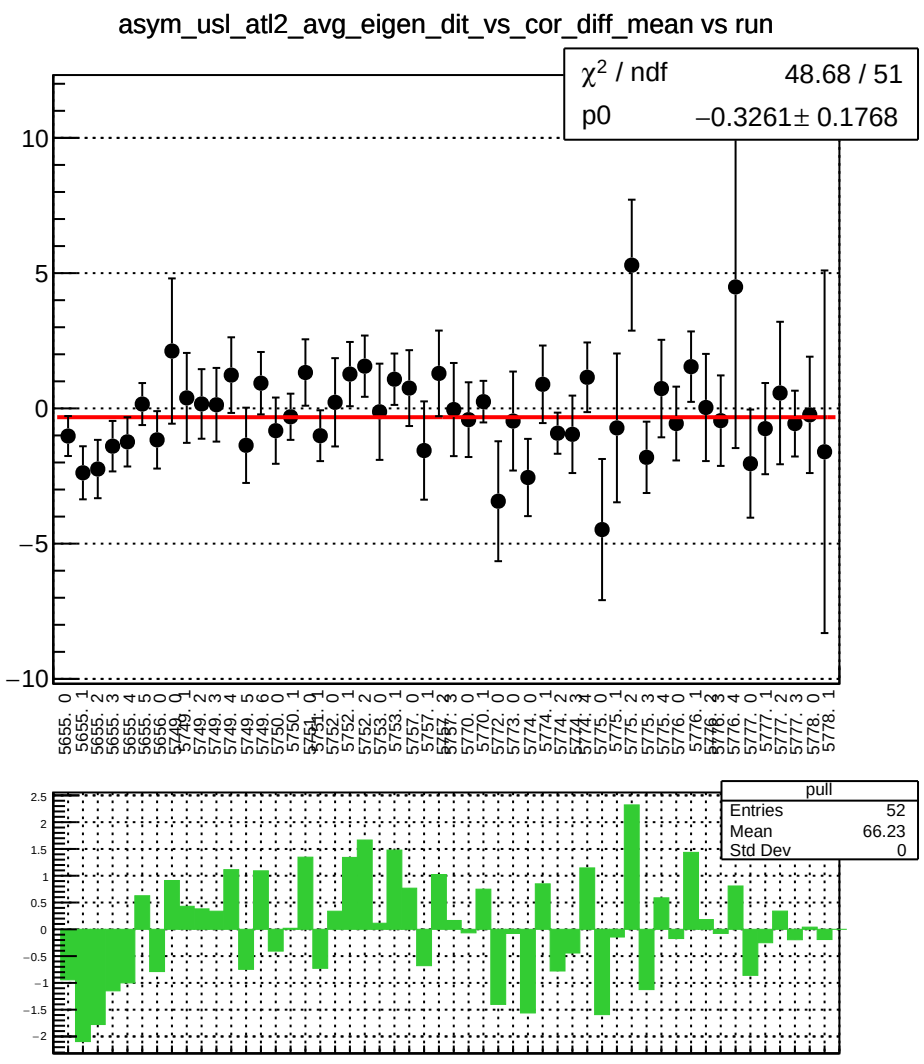

pull1D
Entries 52
Mean 0.04558
Std Dev 0.9665

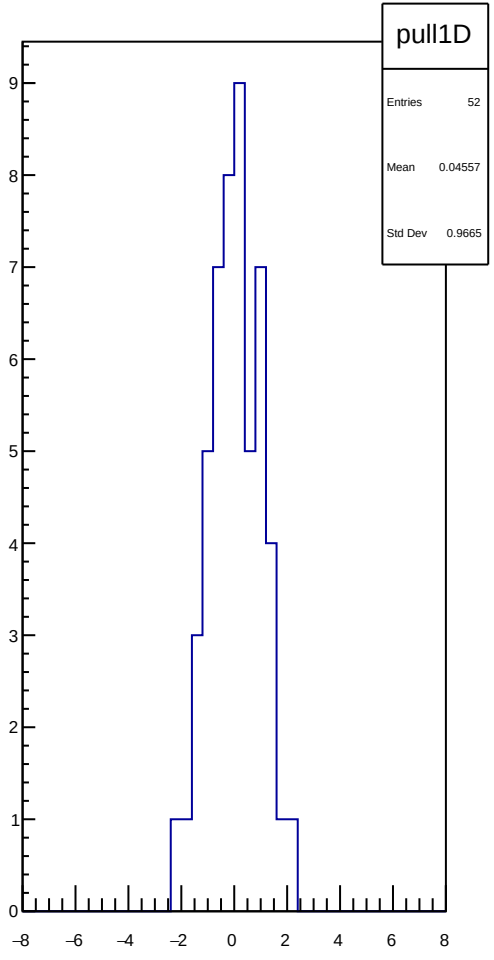

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.366e+05 / 51
p0 122.4 ± 0.125
800
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

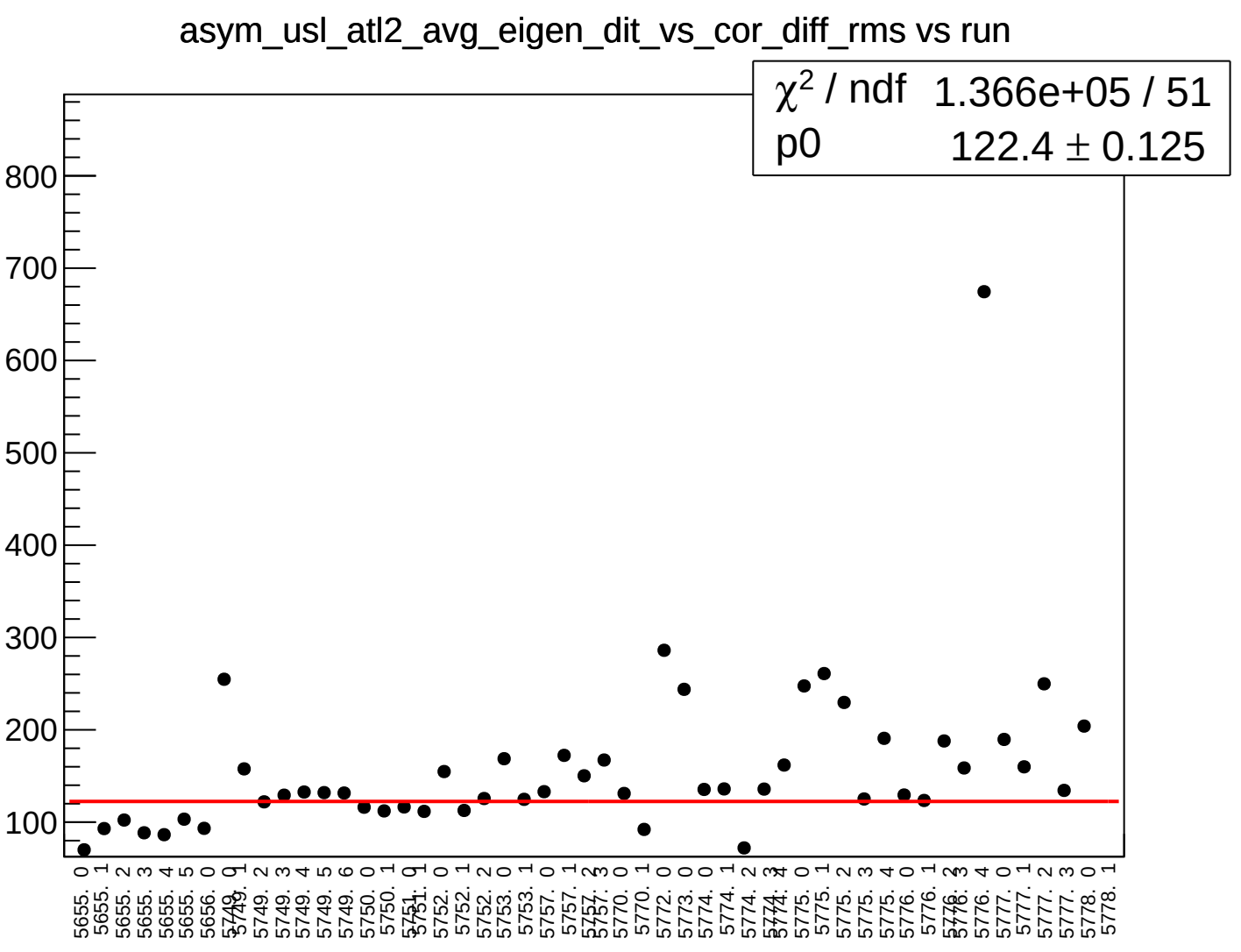

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 45.82 / 51
p0 −2.499e−06 ± 1.97e−05
pull
Entries 52
Mean 7.652
Std Dev 31.1


pull1D
Entries 52
Mean −0.03291
Std Dev 0.9381


asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.836e+04 / 51
p0 0.01426 ± 1.393e−05
0.02
0.018
0.016
0.014
0.012
0.01
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.68 / 51
p0 −0.3261± 0.1768
pull
Entries 52
Mean 66.23
Std Dev 0


pull1D
Entries 52
Mean 0.04557
Std Dev 0.9665


asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.366e+05 / 51
p0 122.4 ± 0.125
800
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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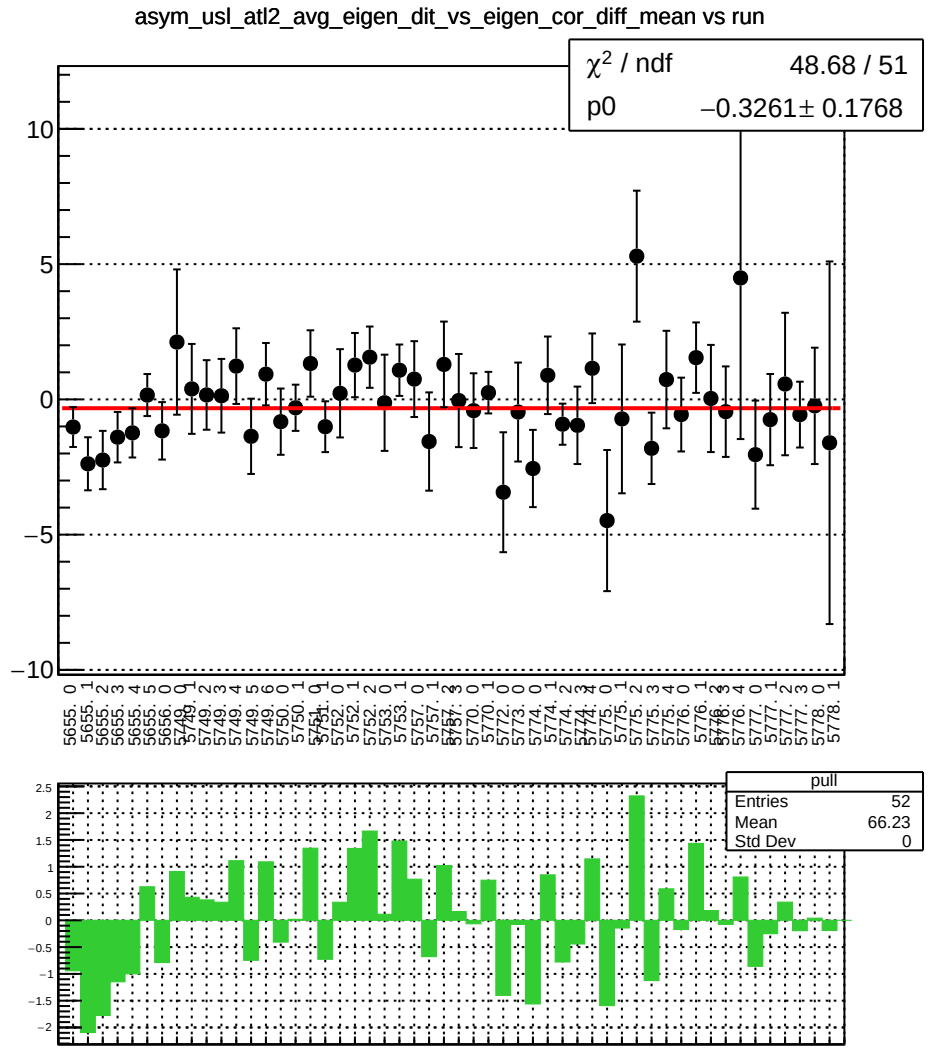
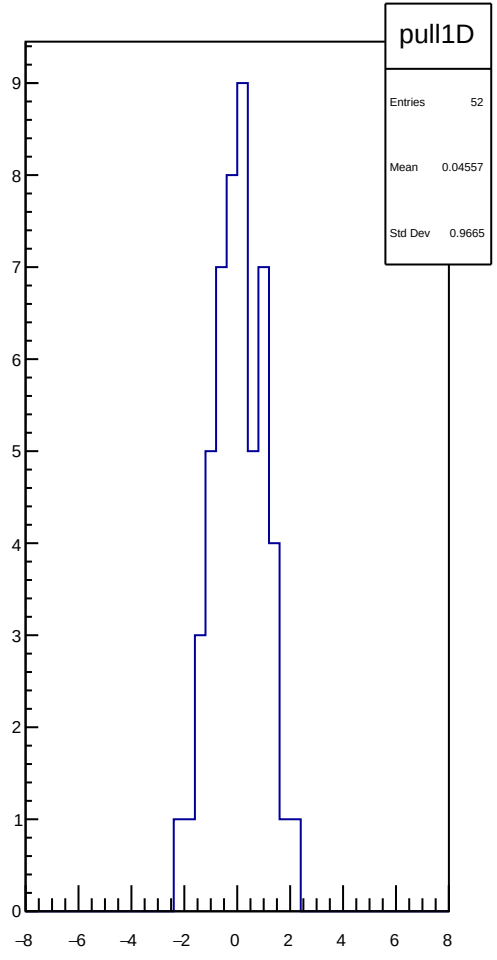
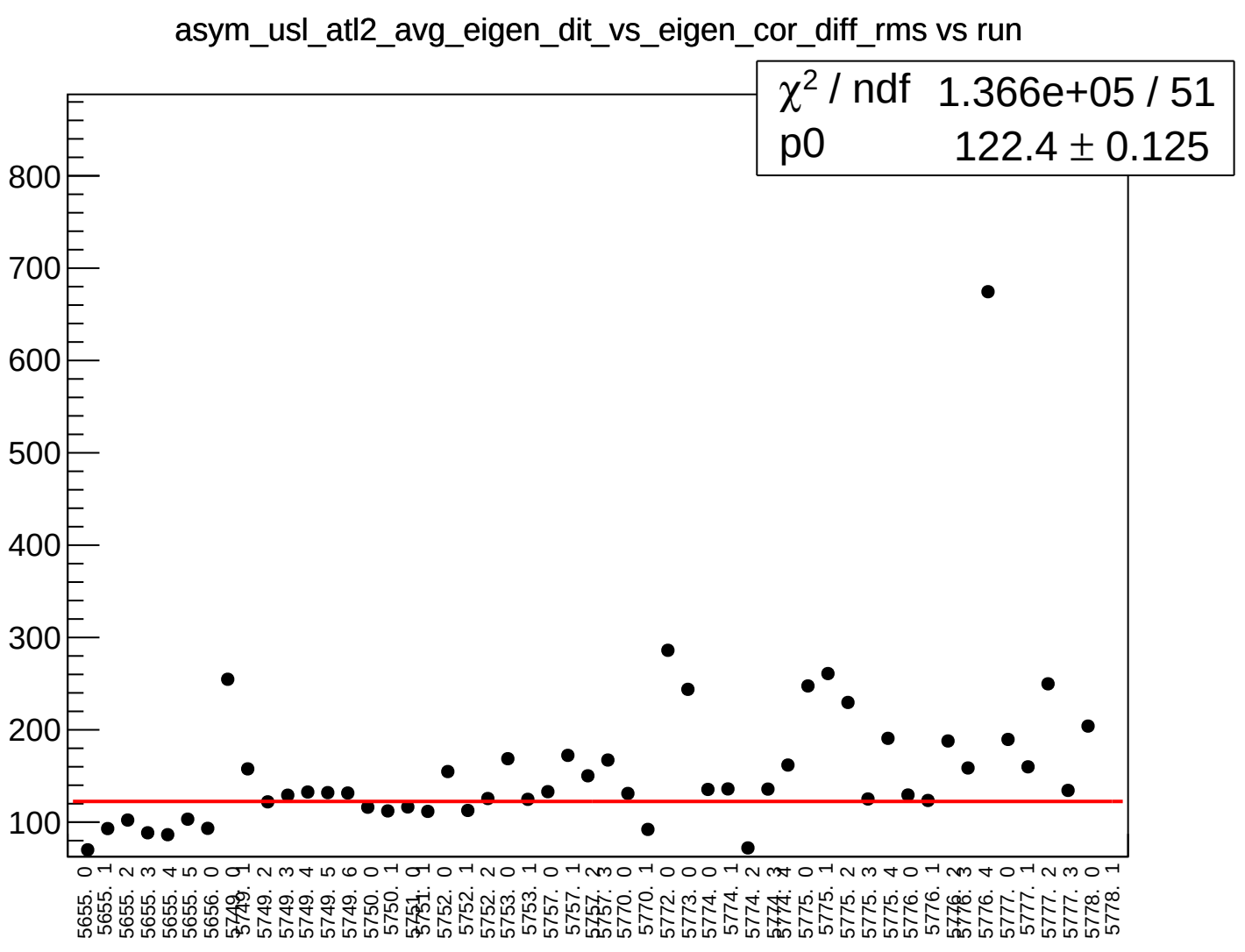
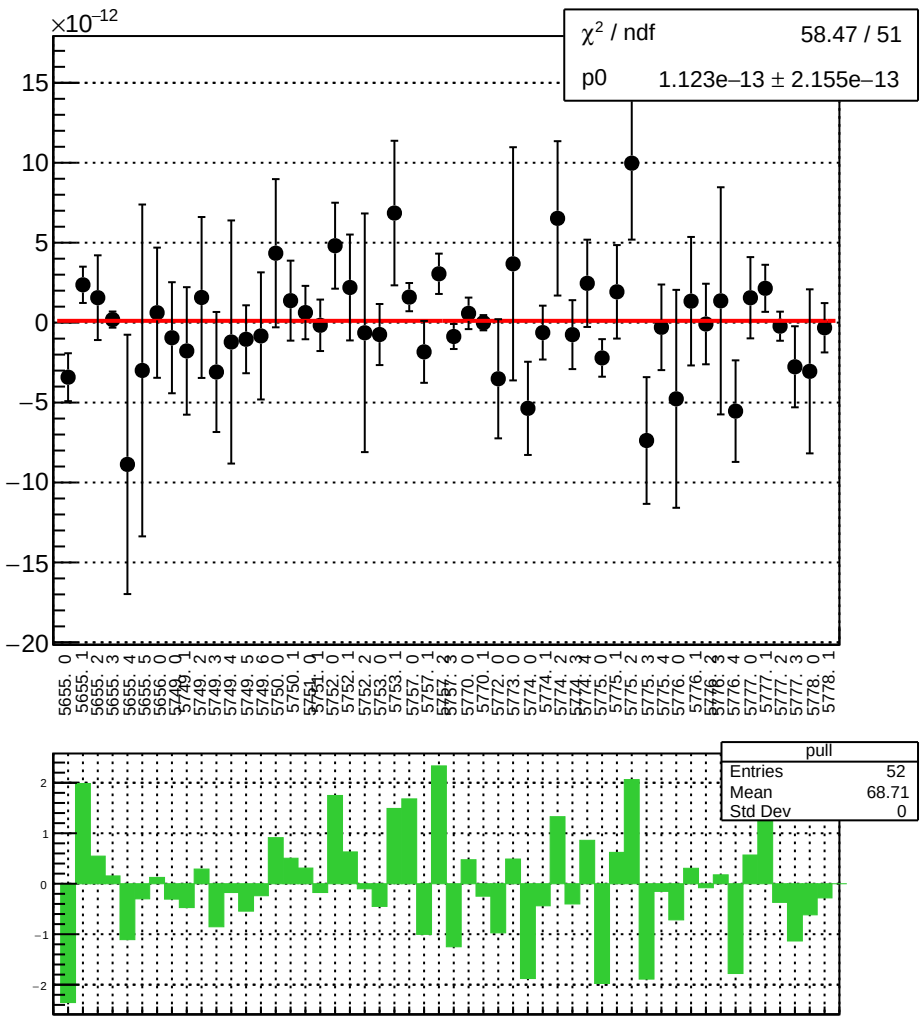
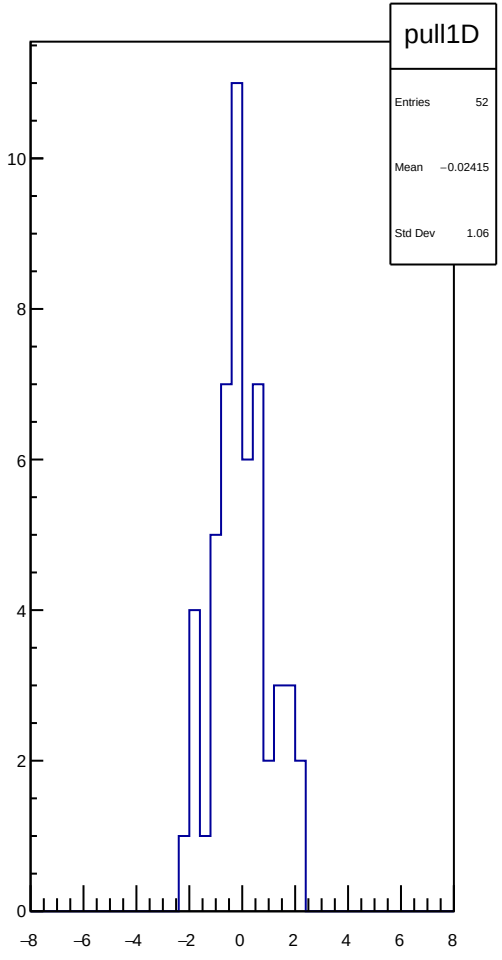
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

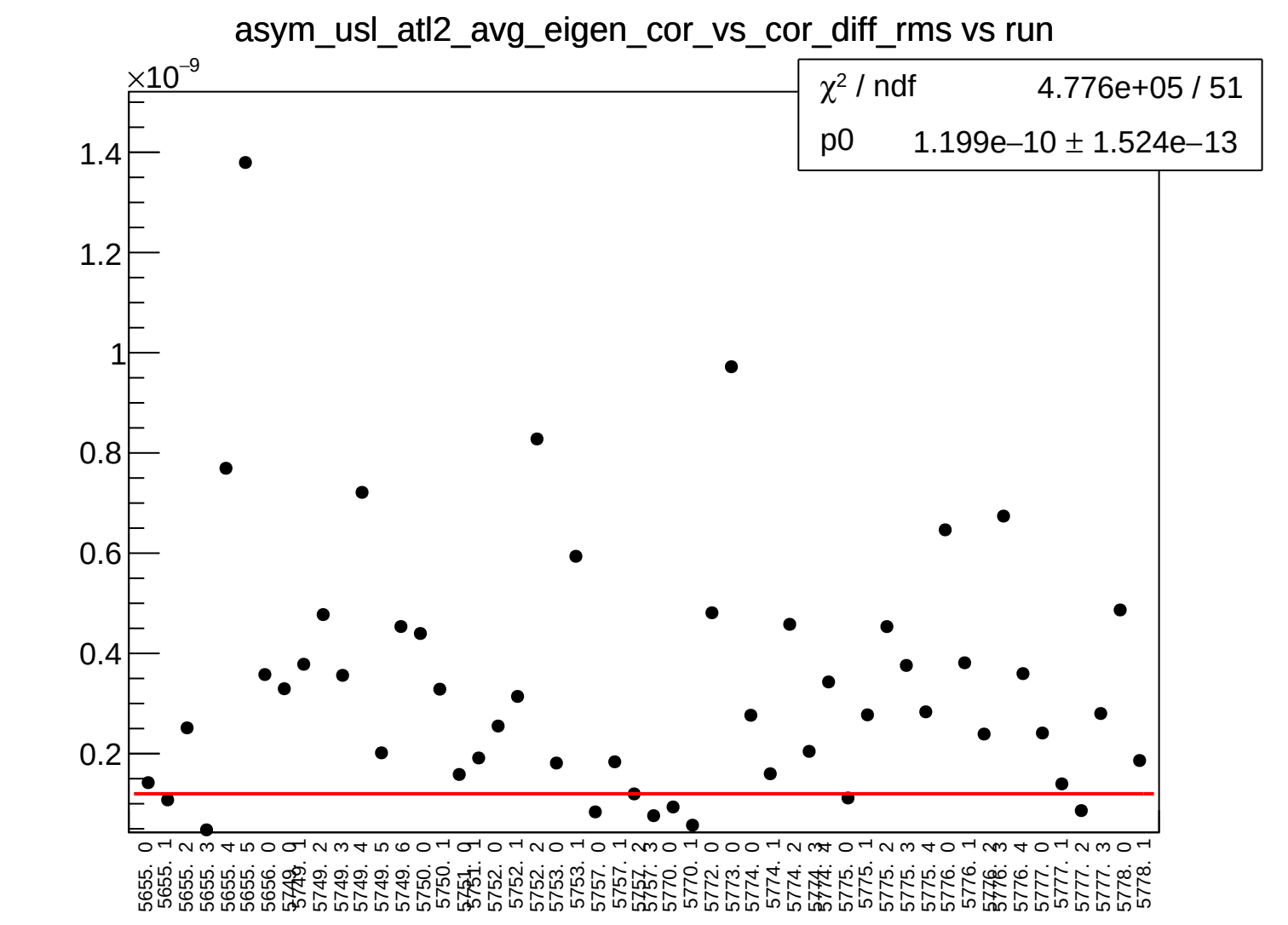

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.68 / 51
p0 −0.3261± 0.1768
pull
Entries 52
Mean 66.23
Std Dev 0

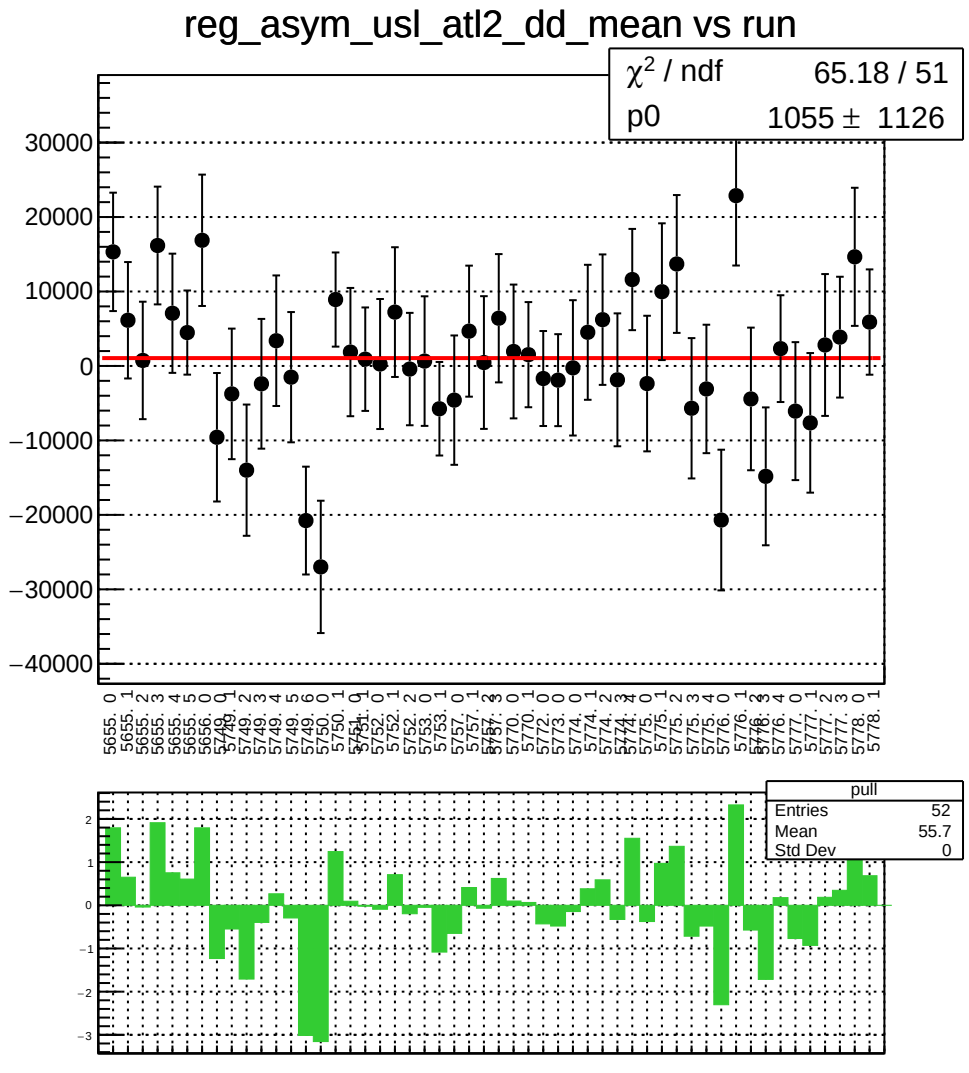

pull1D
Entries 52
Mean 0.04557
Std Dev 0.9665

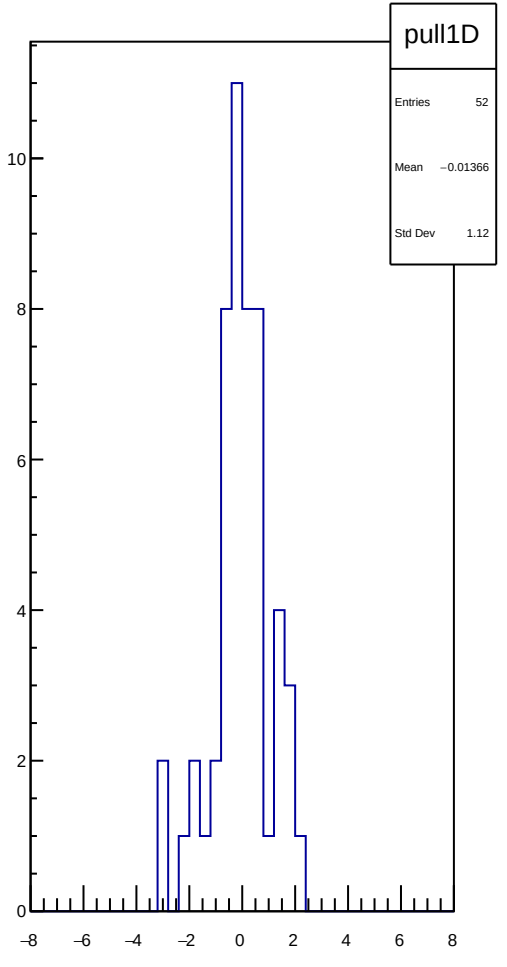

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.366e+05 / 51
p0 122.4 ± 0.125
800
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

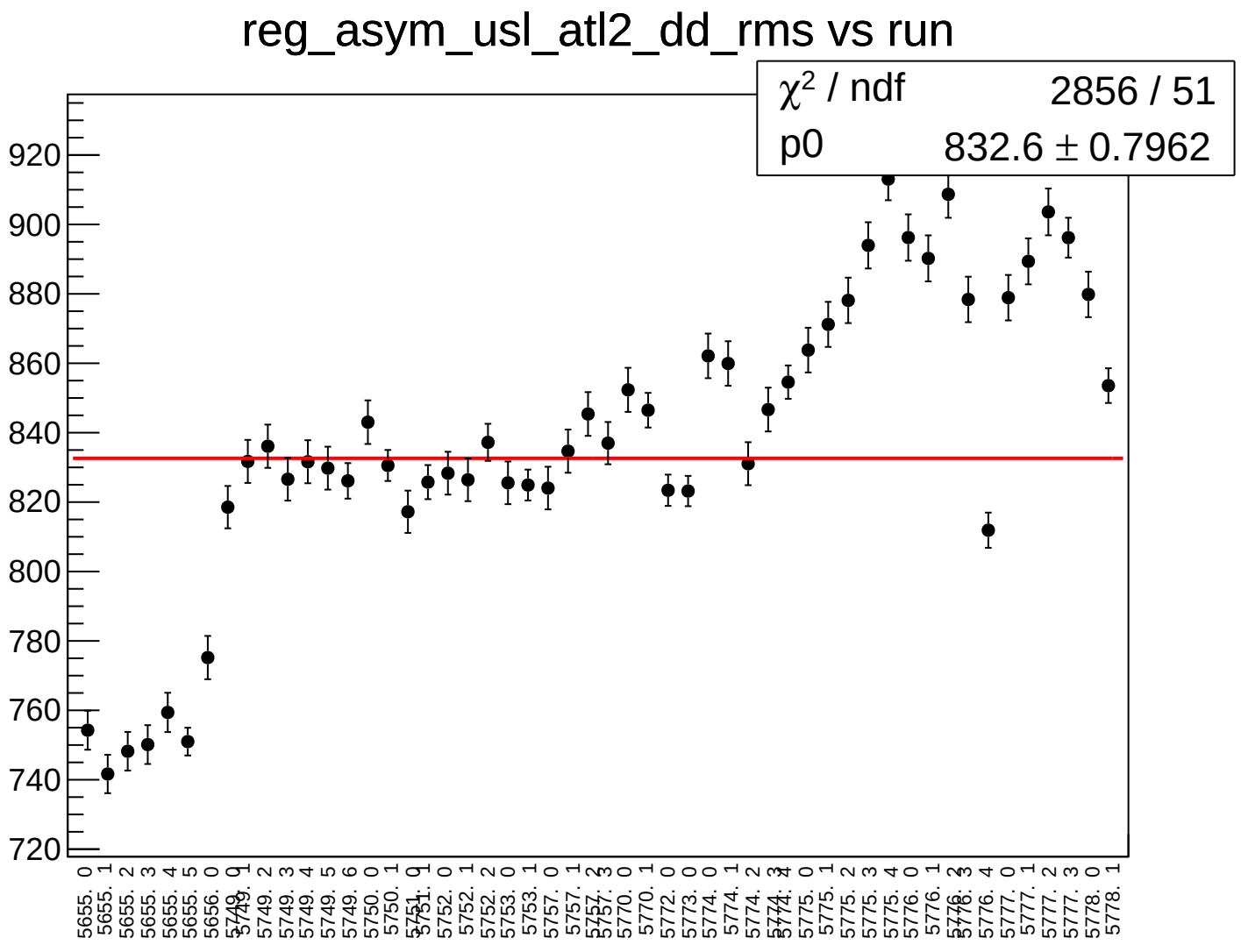

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.47 / 51
p0 1.123e−13 ± 2.155e−13
pull
Entries 52
Mean 68.71
Std Dev 0

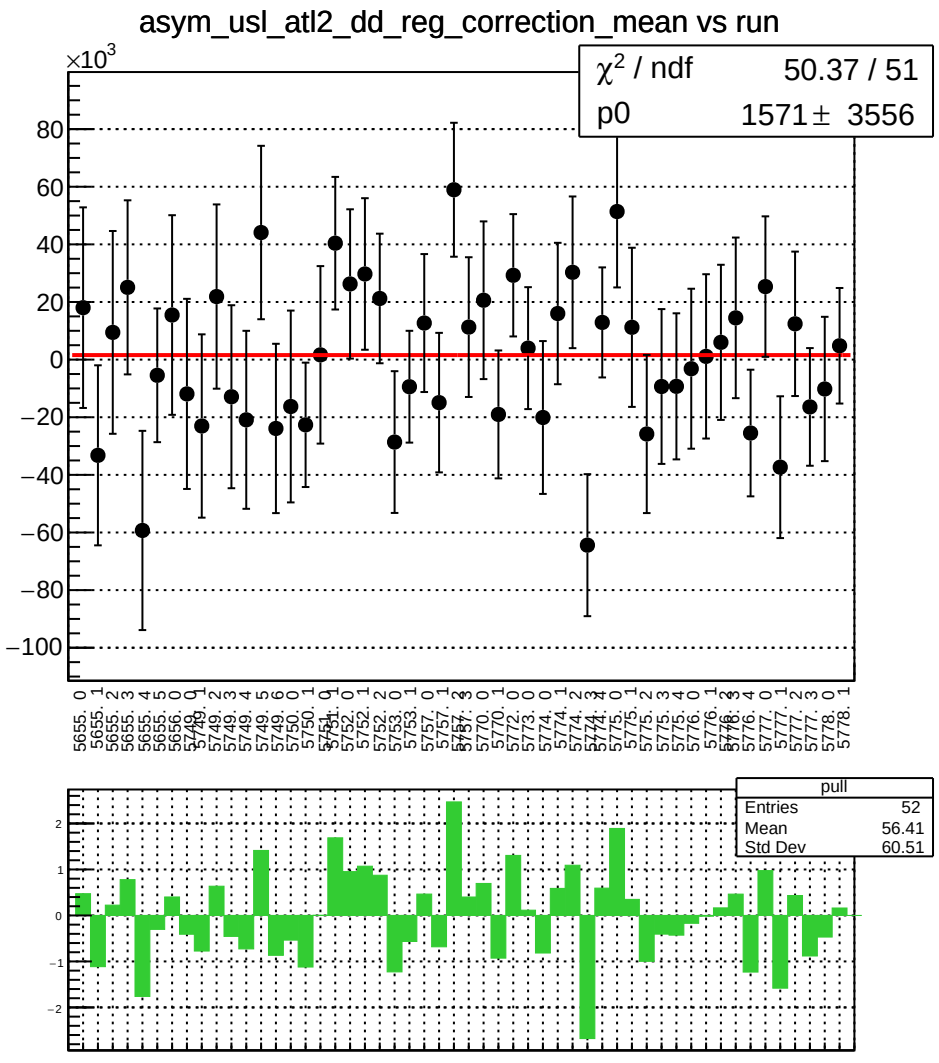

pull1D
Entries 52
Mean −0.02415
Std Dev 1.06

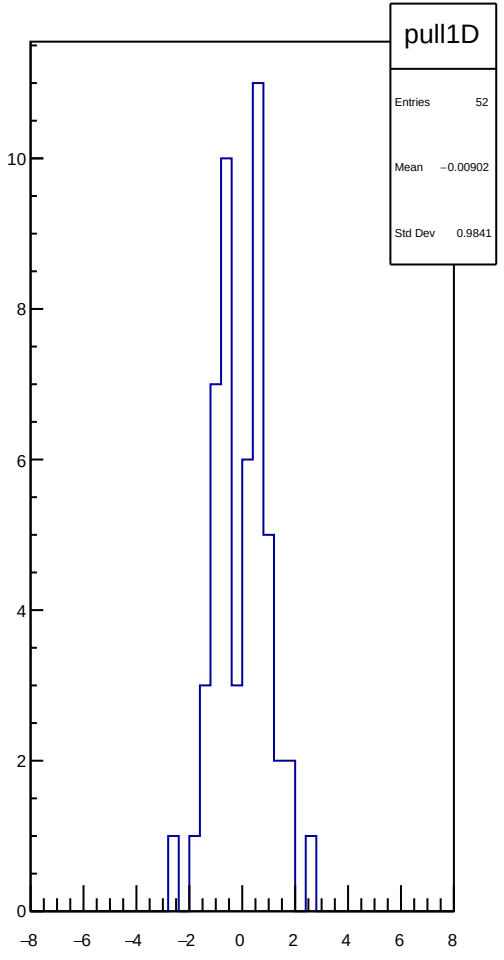

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.776e+05 / 51
p0 1.199e−10 ± 1.524e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

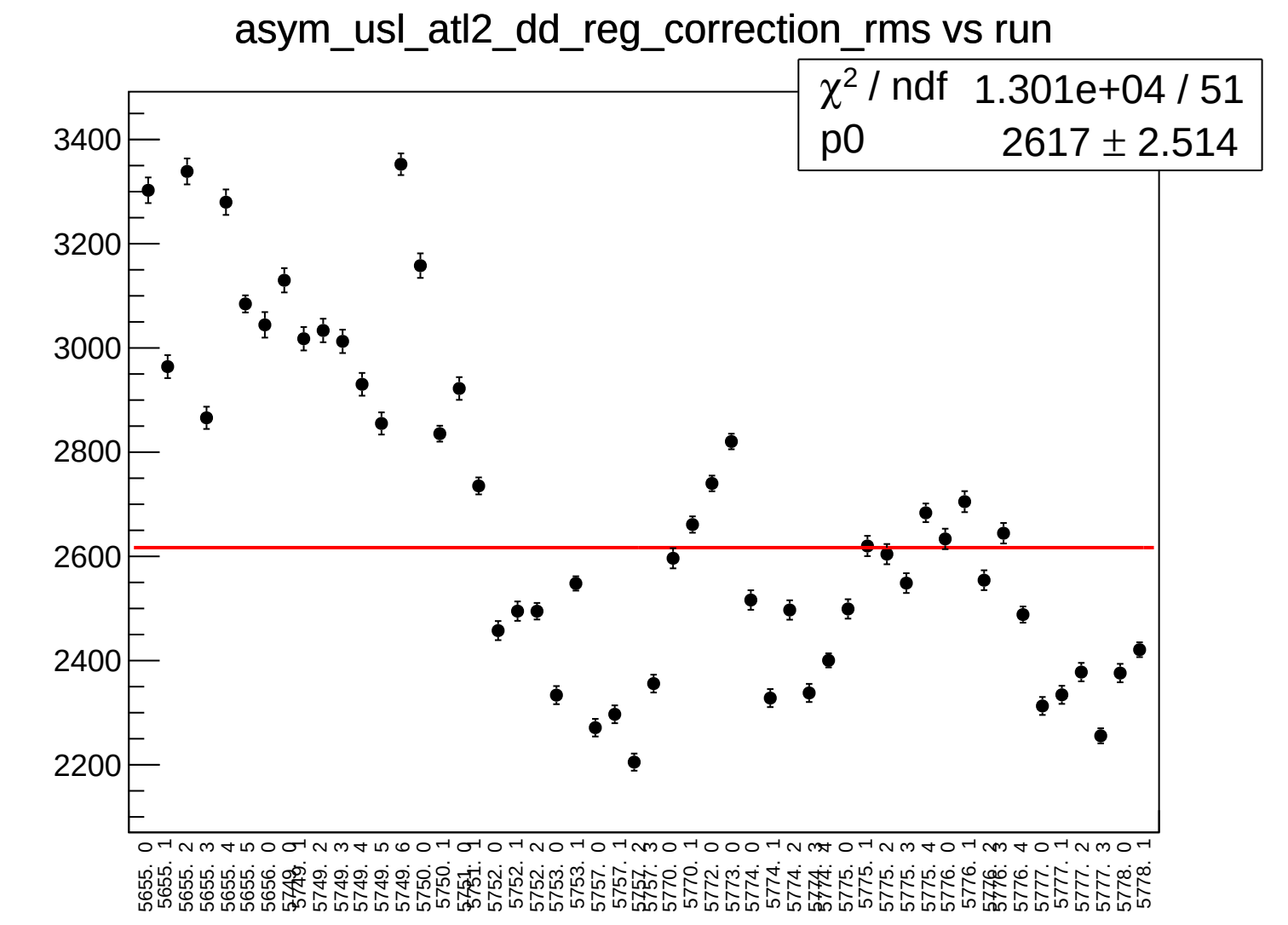

reg_asym_usl_atl2_dd_mean vs run
χ² / ndf 65.18 / 51
p0 1055 ± 1126
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 52
Mean 55.7
Std Dev 0
2
1
0
−1
−2
−3

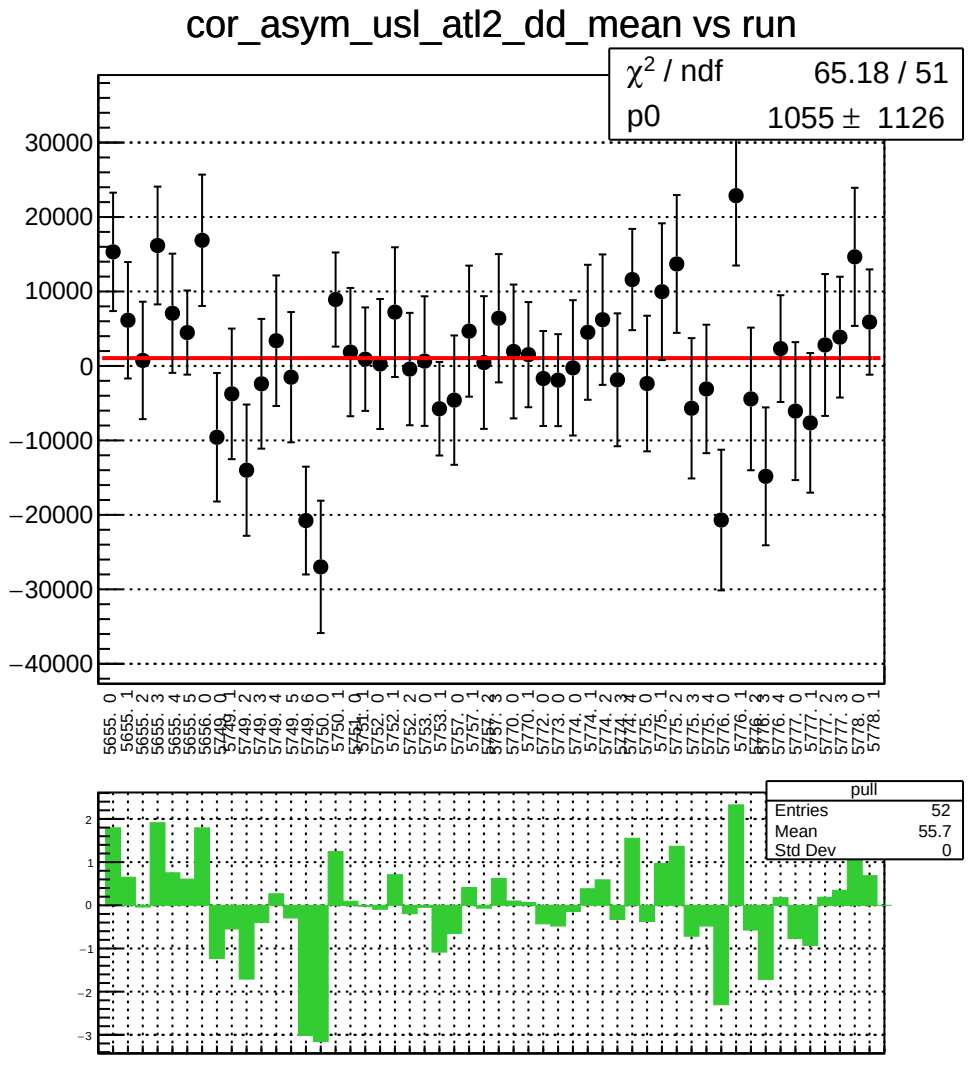

pull1D
Entries 52
Mean −0.01366
Std Dev 1.12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

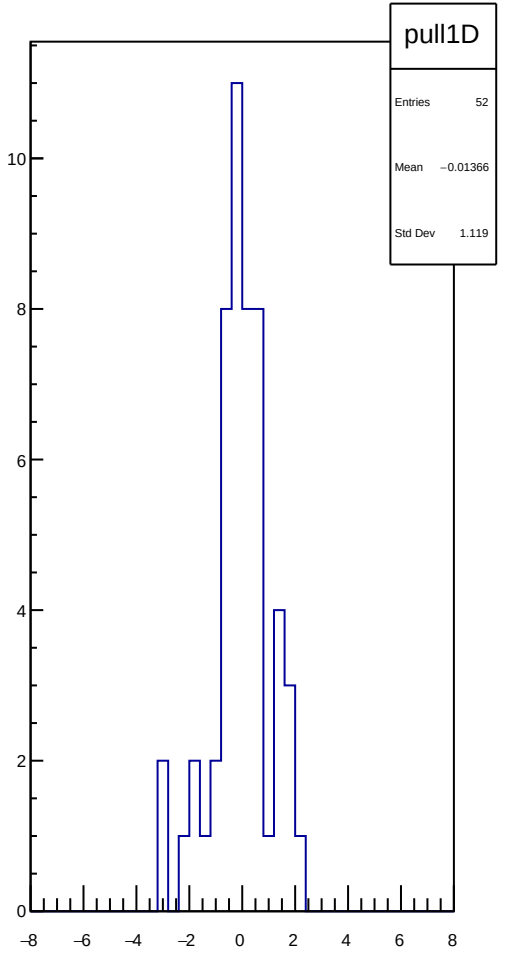

reg_asym_usl_atl2_dd_rms vs run
χ² / ndf 2856 / 51
p0 832.6 ± 0.7962
920
900
880
860
840
820
800
780
760
740
720
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

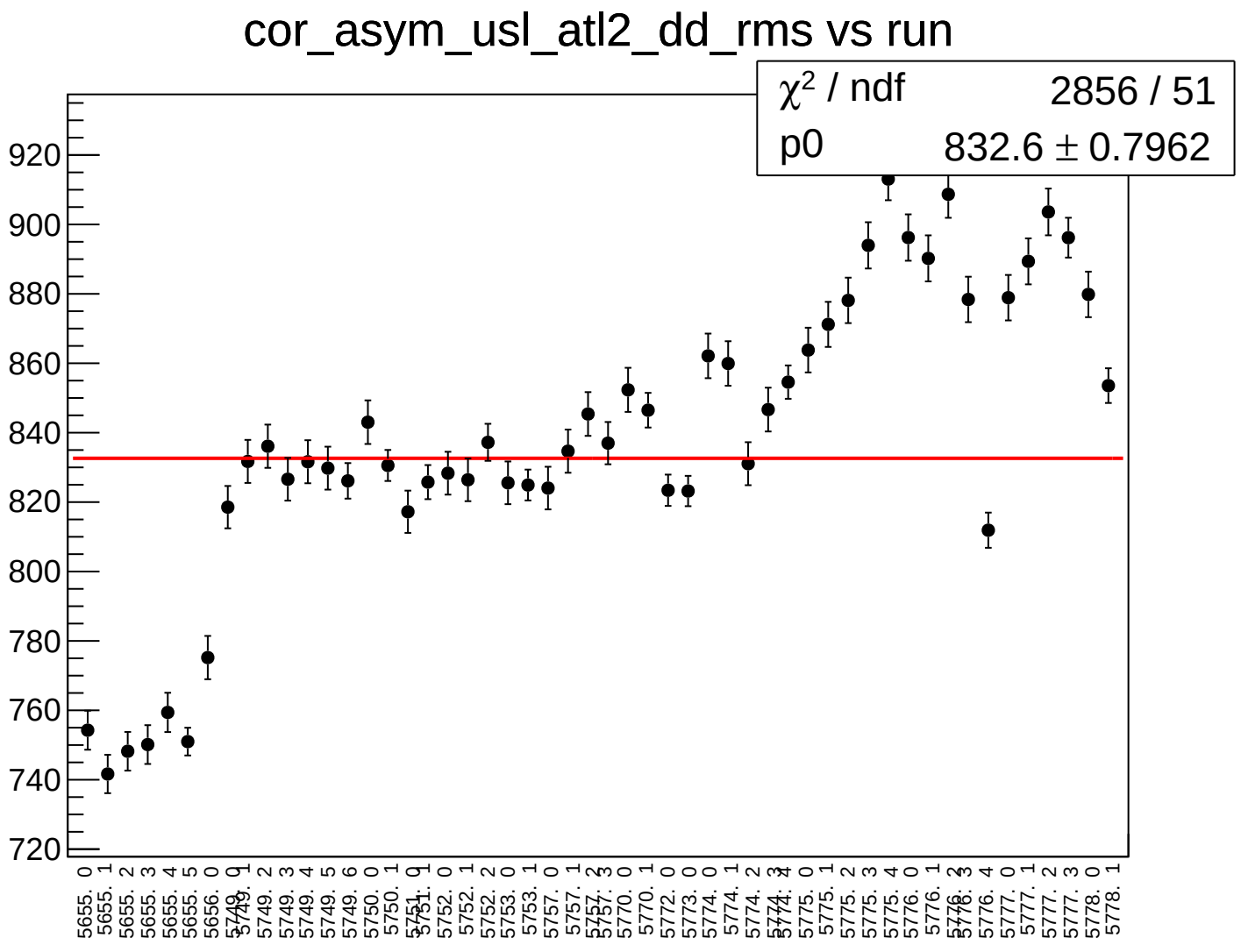

asym_usl_atl2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 50.37 / 51
p0 1571 ± 3556
pull
Entries 52
Mean 56.41
Std Dev 60.51

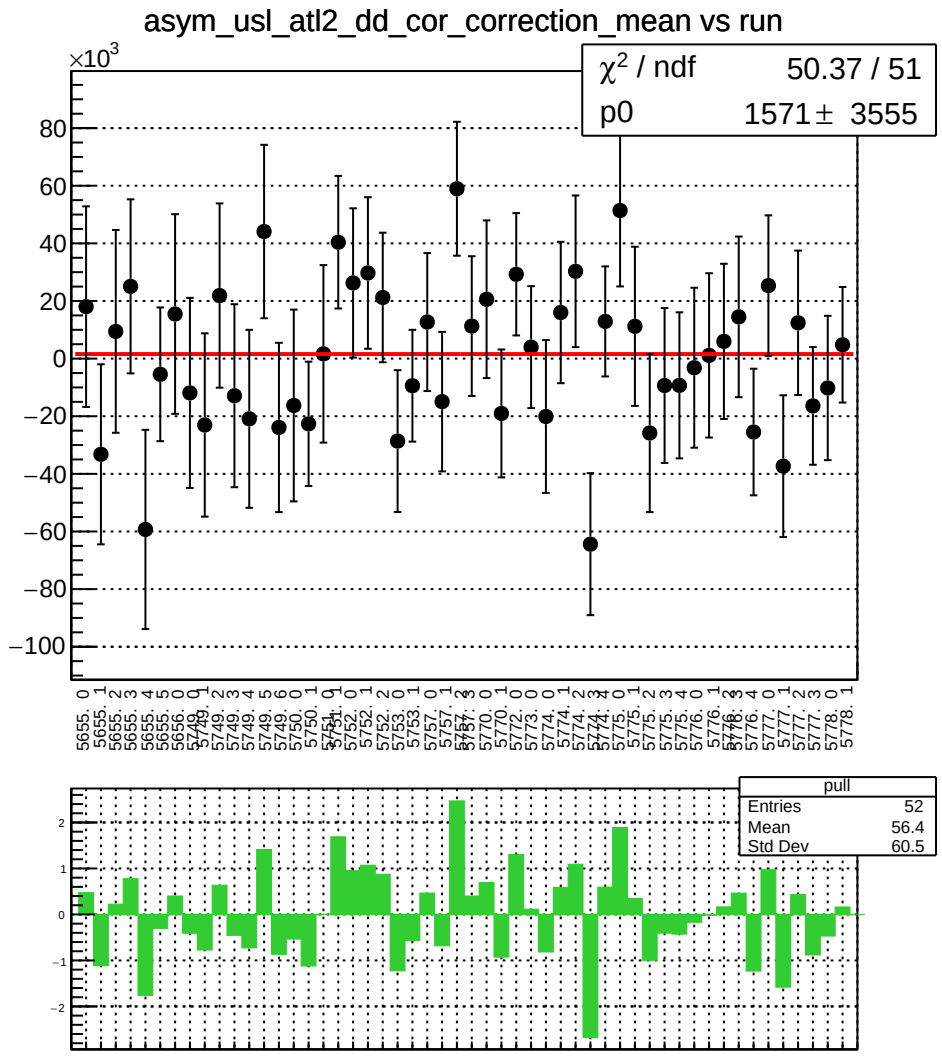

pull1D
Entries 52
Mean −0.00902
Std Dev 0.9841

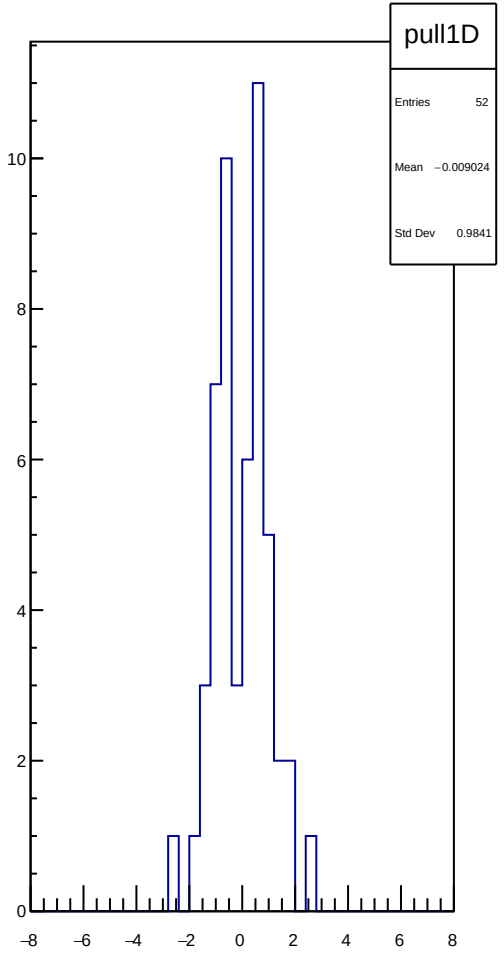

asym_usl_atl2_dd_reg_correction_rms vs run
χ² / ndf 1.301e+04 / 51
p0 2617 ± 2.514
3400
3200
3000
2800
2600
2400
2200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

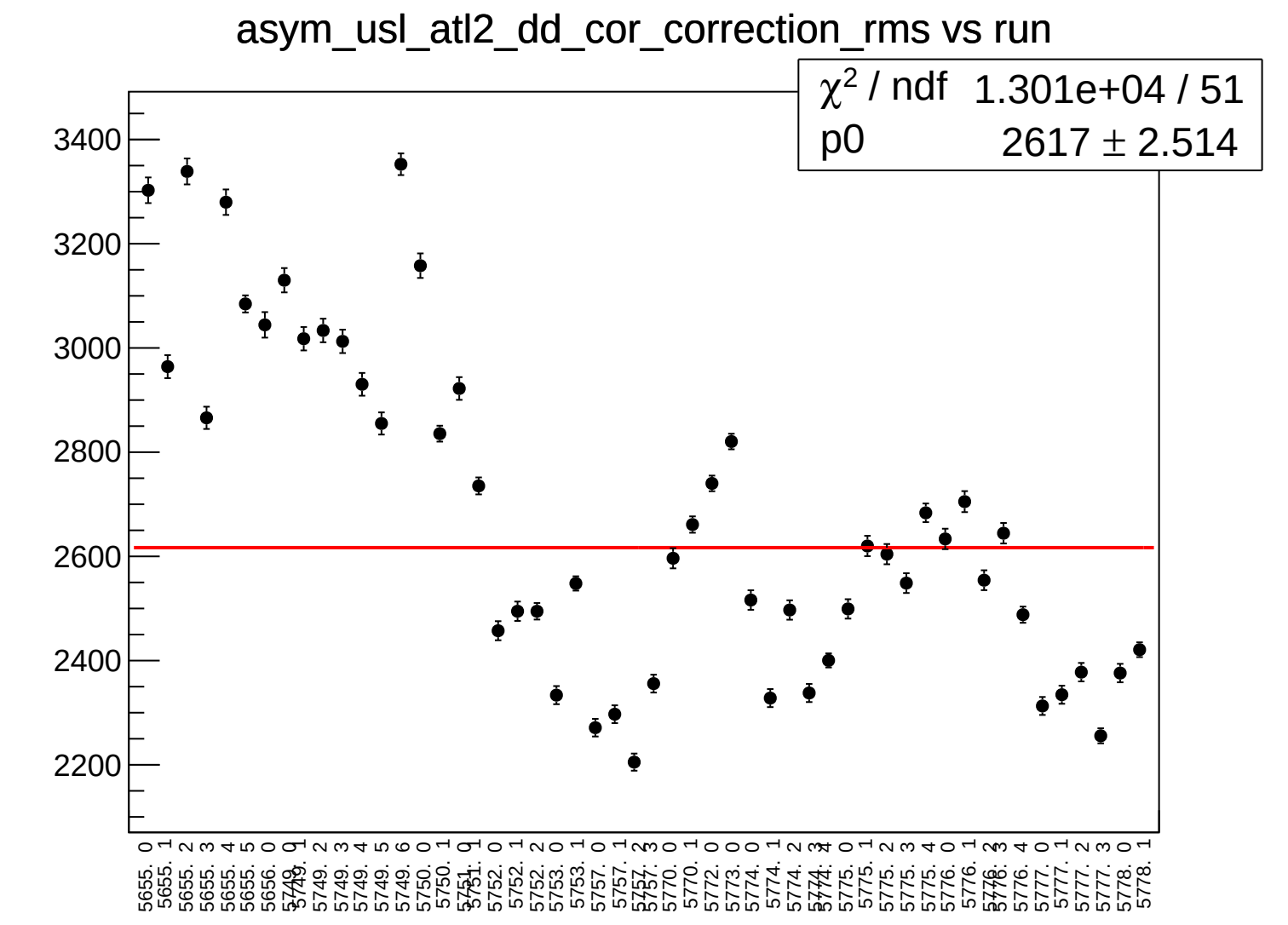

cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 65.18 / 51
p0 1055 ± 1126
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 52
Mean 55.7
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.01366
Std Dev 1.119
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 2856 / 51
p0 832.6 ± 0.7962
920
900
880
860
840
820
800
780
760
740
720
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usl_atl2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 50.37 / 51
p0 1571 ± 3555
pull
Entries 52
Mean 56.4
Std Dev 60.5


pull1D
Entries 52
Mean −0.009024
Std Dev 0.9841


asym_usl_atl2_dd_cor_correction_rms vs run
χ² / ndf 1.301e+04 / 51
p0 2617 ± 2.514
3400
3200
3000
2800
2600
2400
2200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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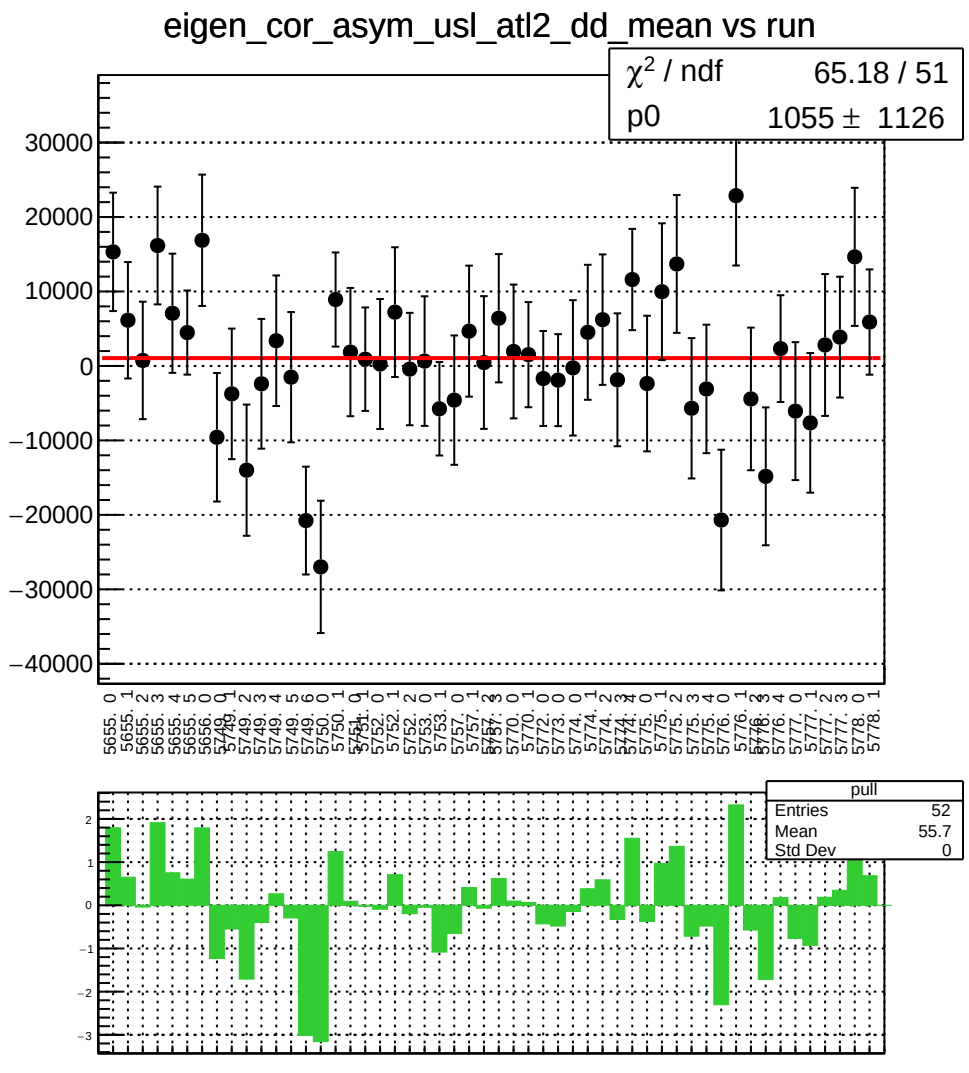
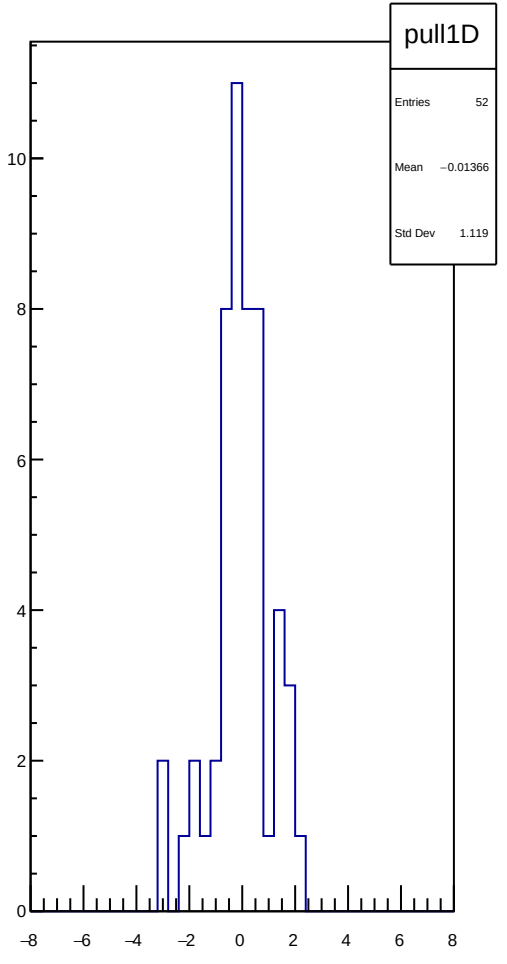
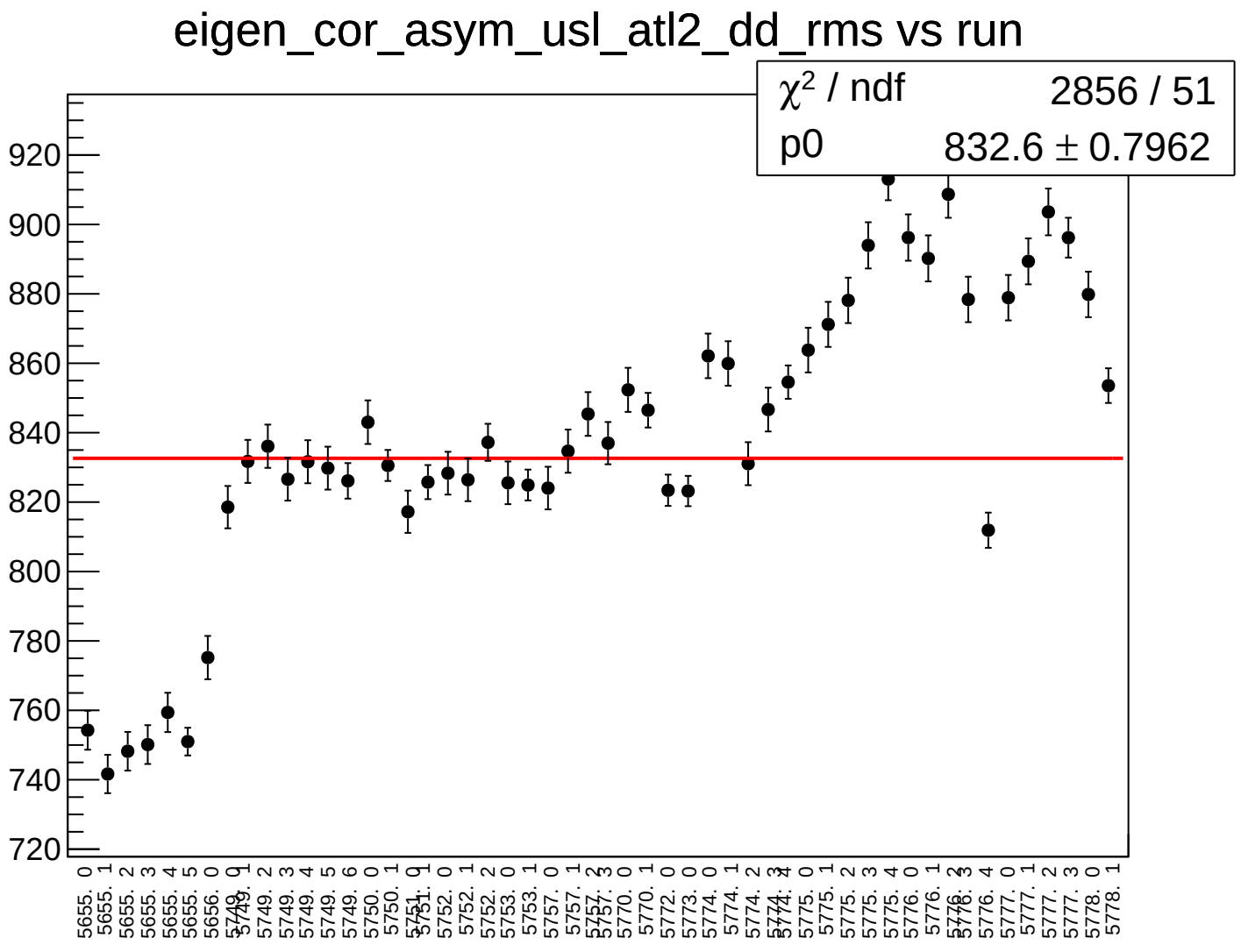
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 65.18 / 51
p0 1055 ± 1126
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 52
Mean 55.7
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.01366
Std Dev 1.119
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 2856 / 51
p0 832.6 ± 0.7962
920
900
880
860
840
820
800
780
760
740
720
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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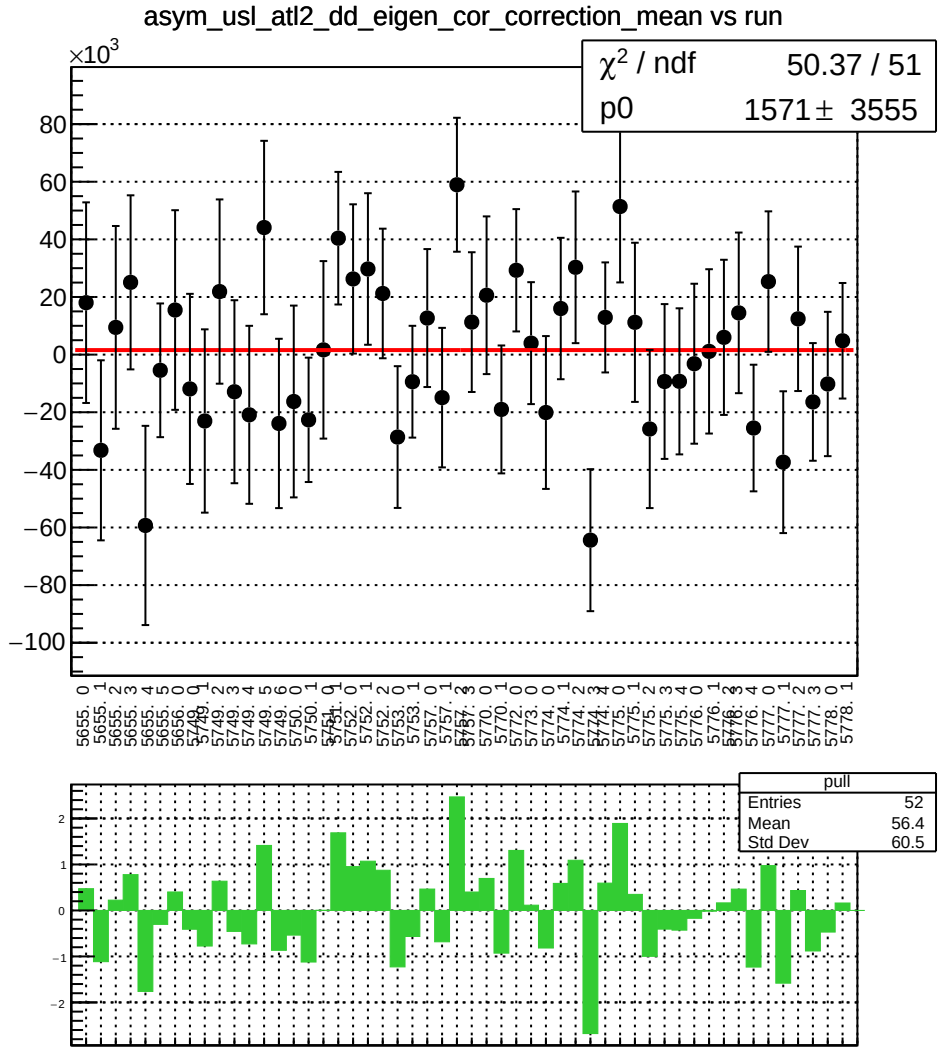
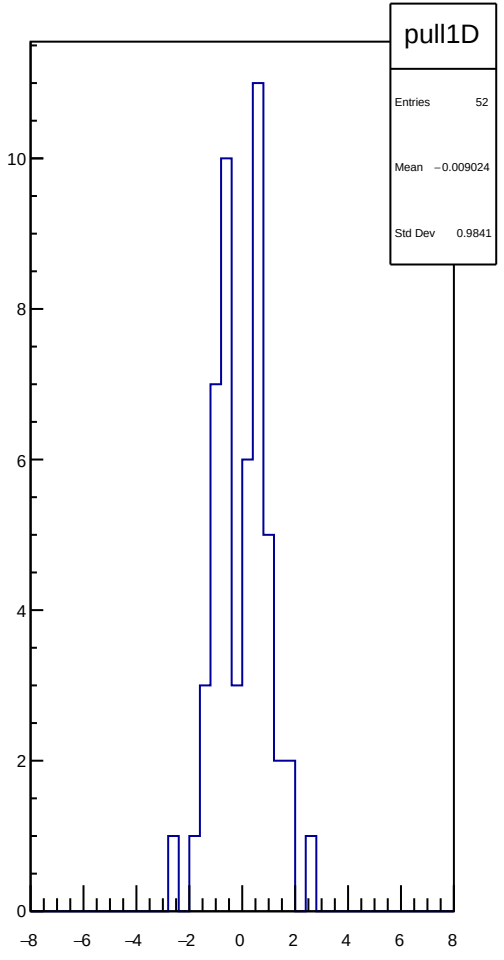
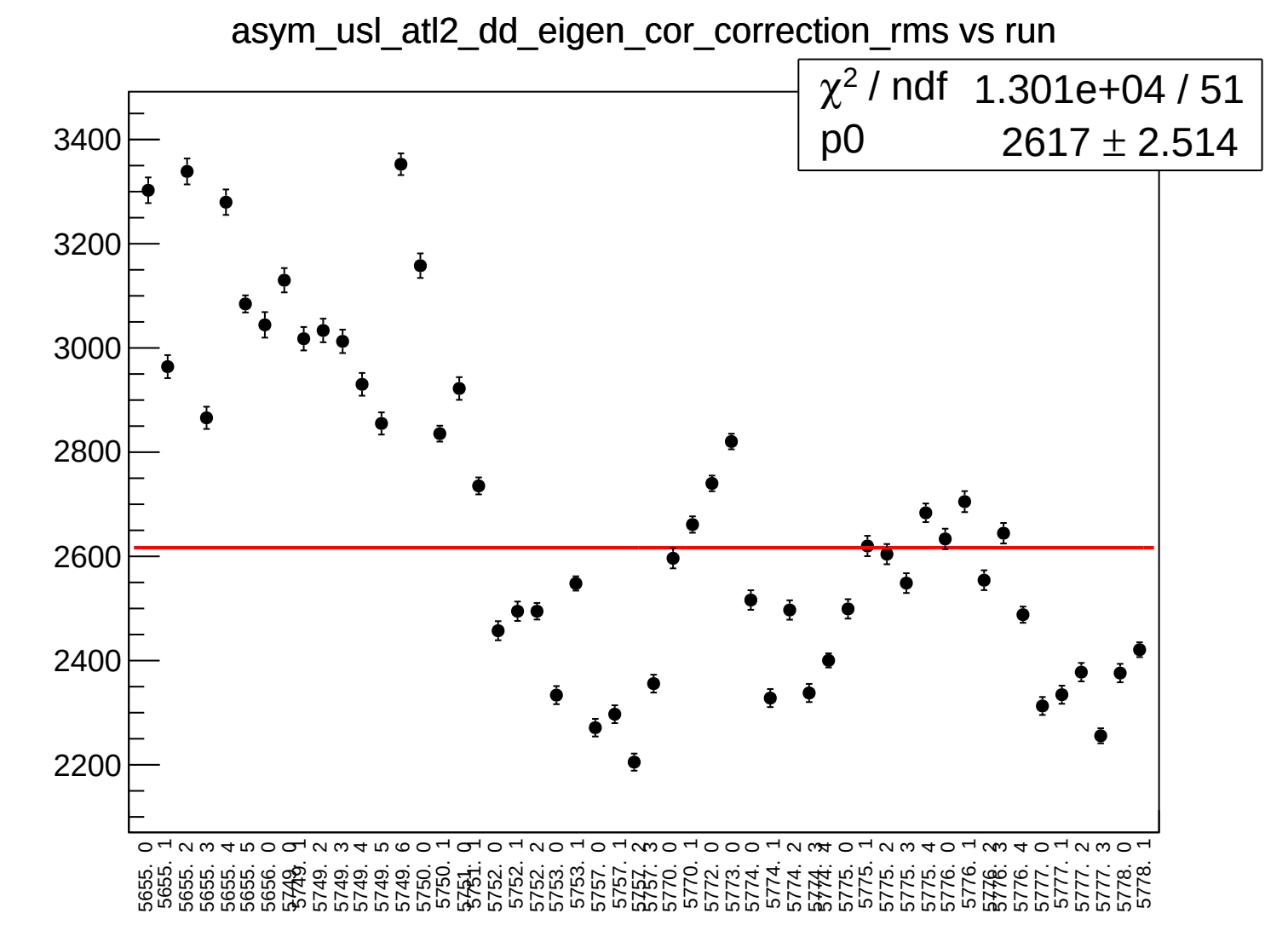
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usl_atl2_dd_eigen_cor_correction_mean vs run
χ² / ndf 50.37 / 51
p0 1571 ± 3555
pull
Entries 52
Mean 56.4
Std Dev 60.5


pull1D
Entries 52
Mean −0.009024
Std Dev 0.9841


asym_usl_atl2_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.301e+04 / 51
p0 2617 ± 2.514
3400
3200
3000
2800
2600
2400
2200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
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5752. 1
5752. 2
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5753. 1
5757. 0
5757. 1
5757. 2
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5773. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 2
5776. 3
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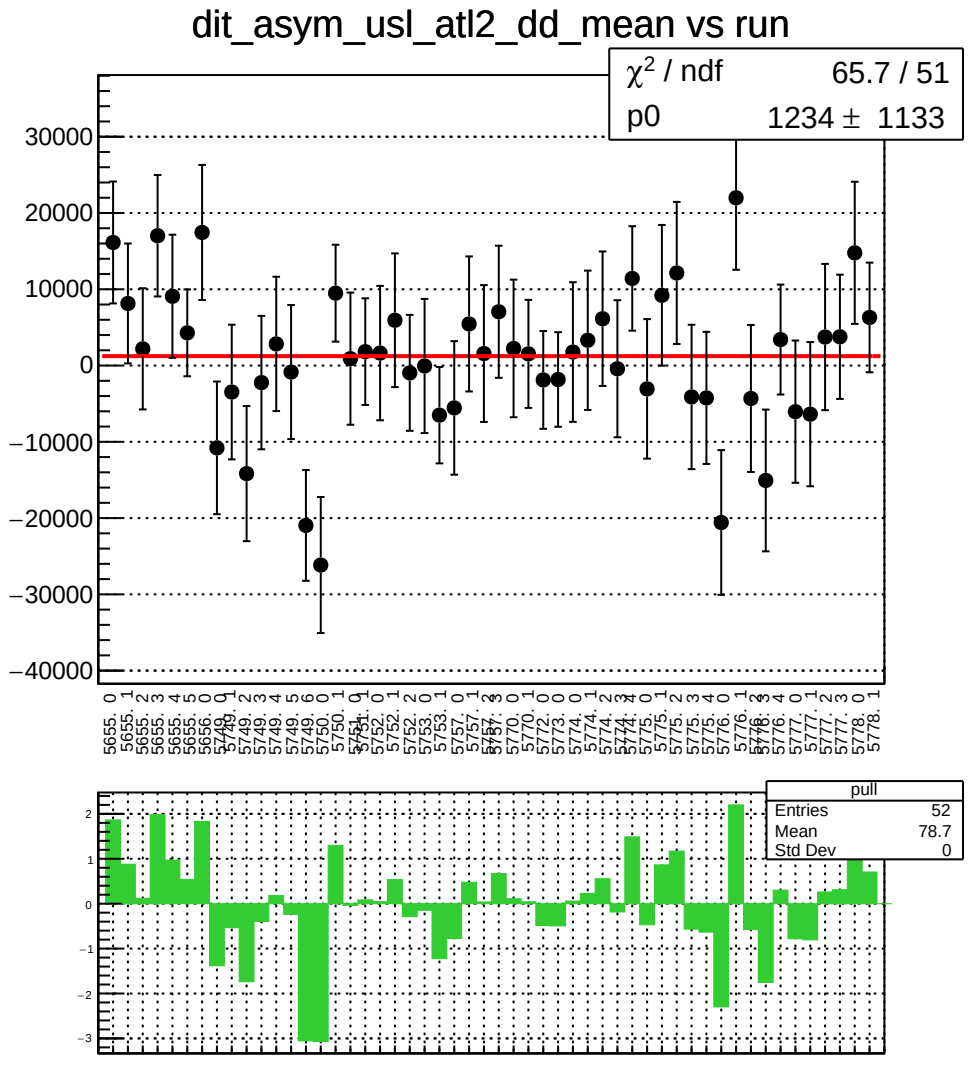
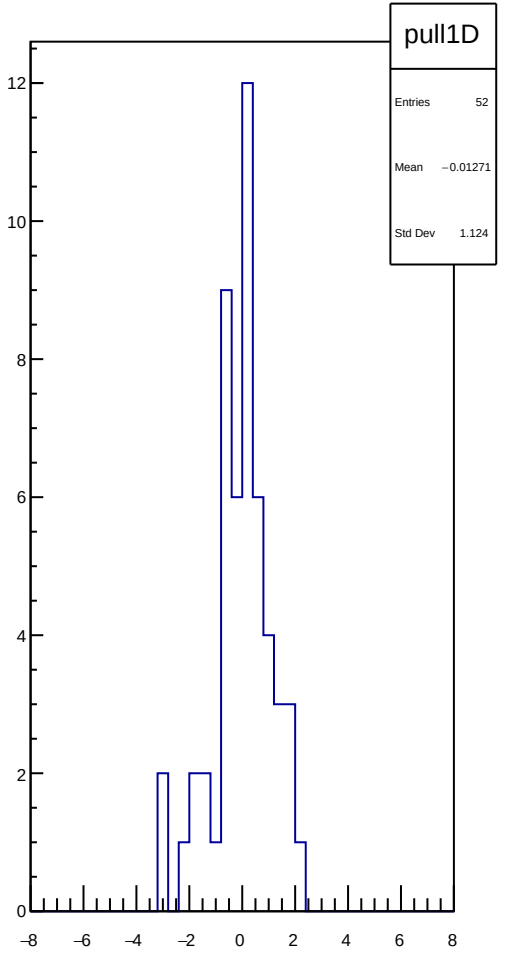
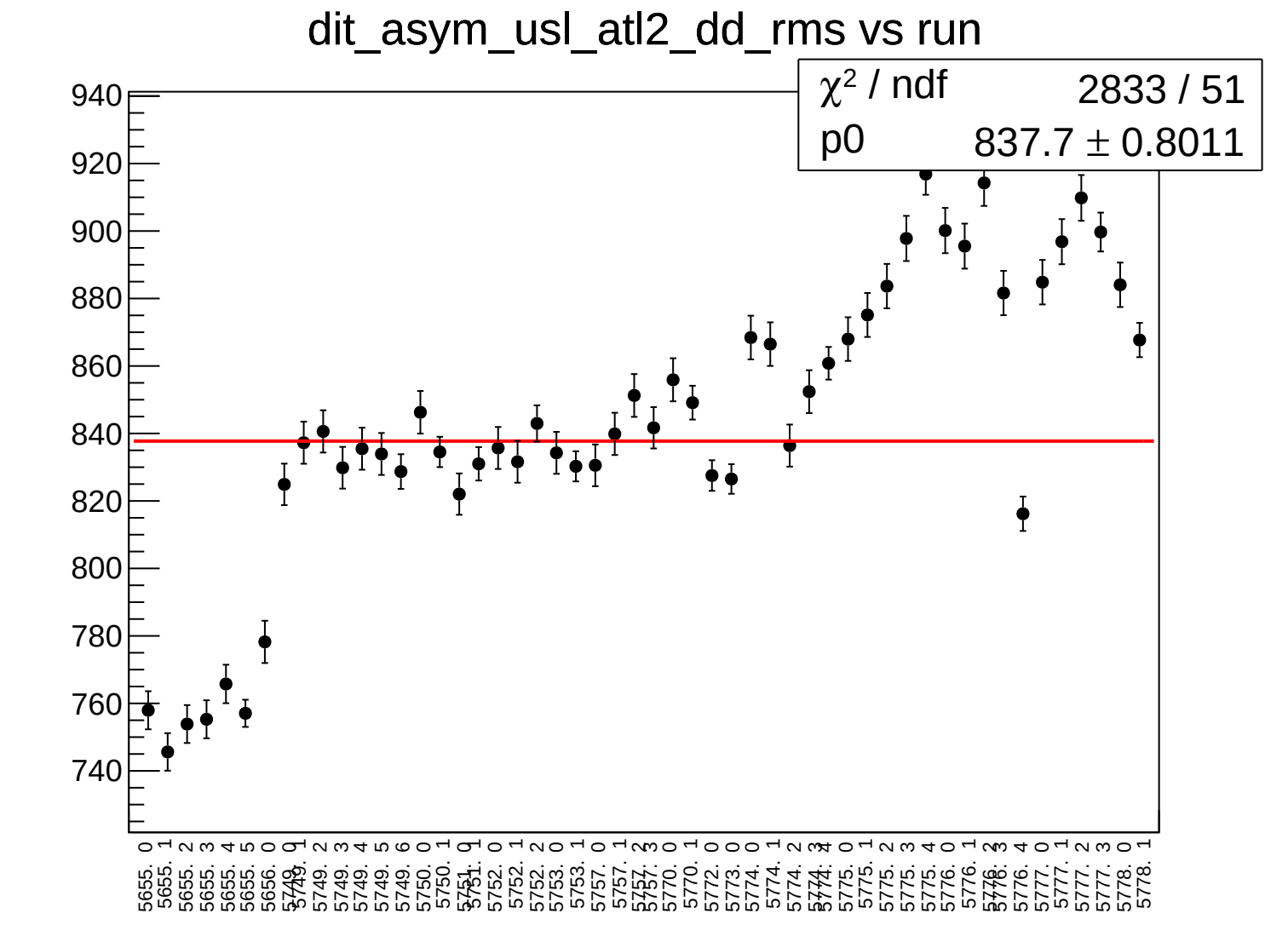
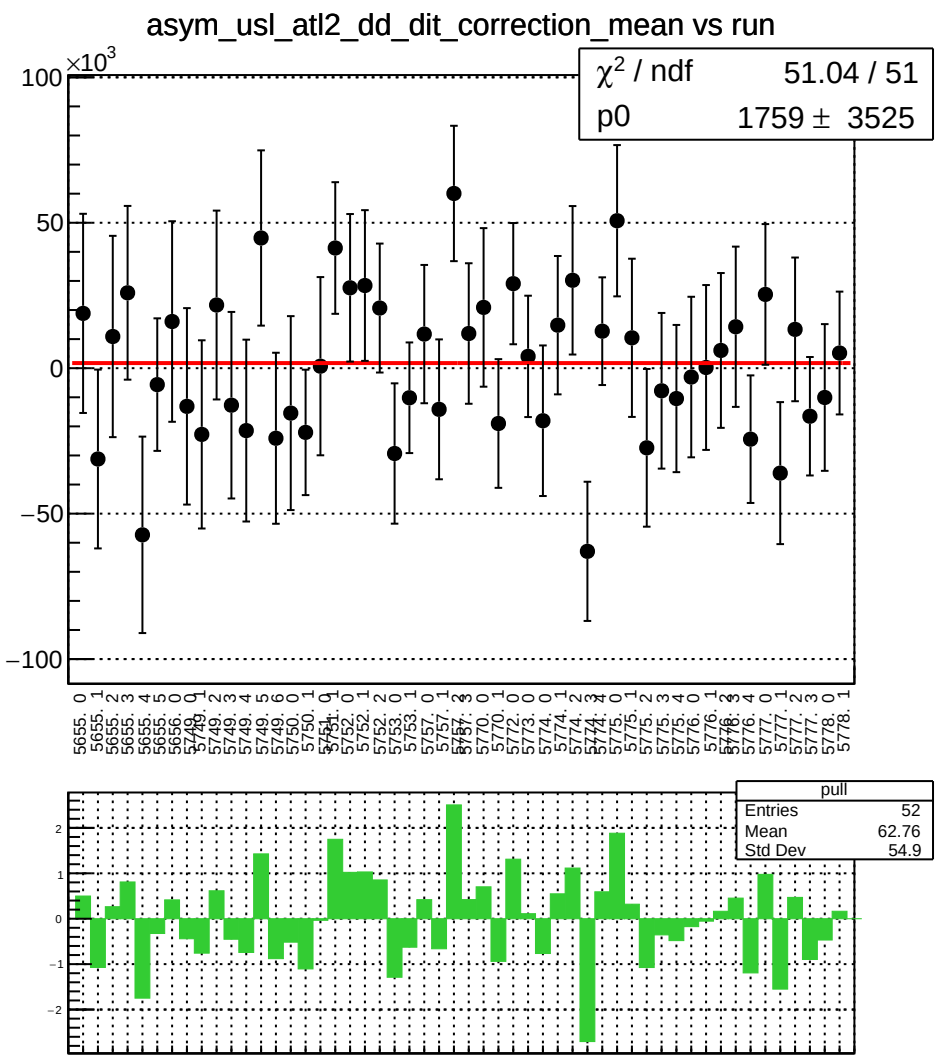
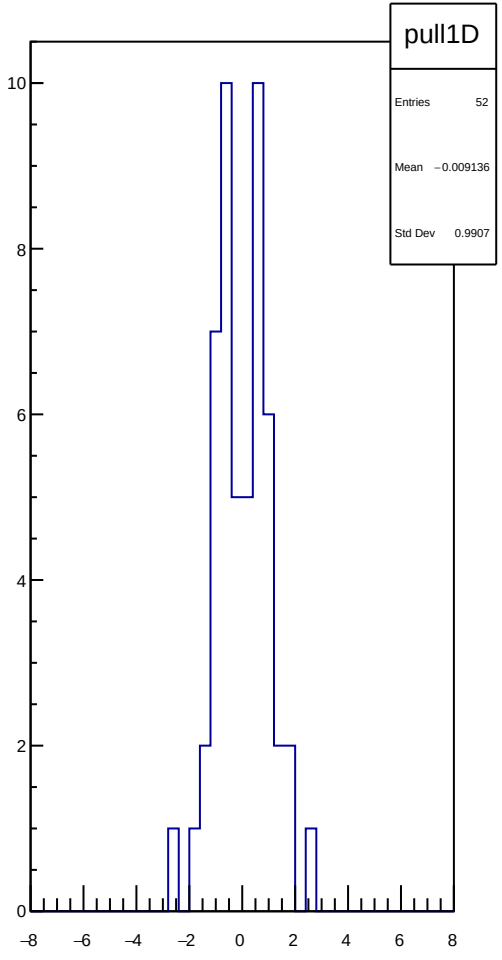
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

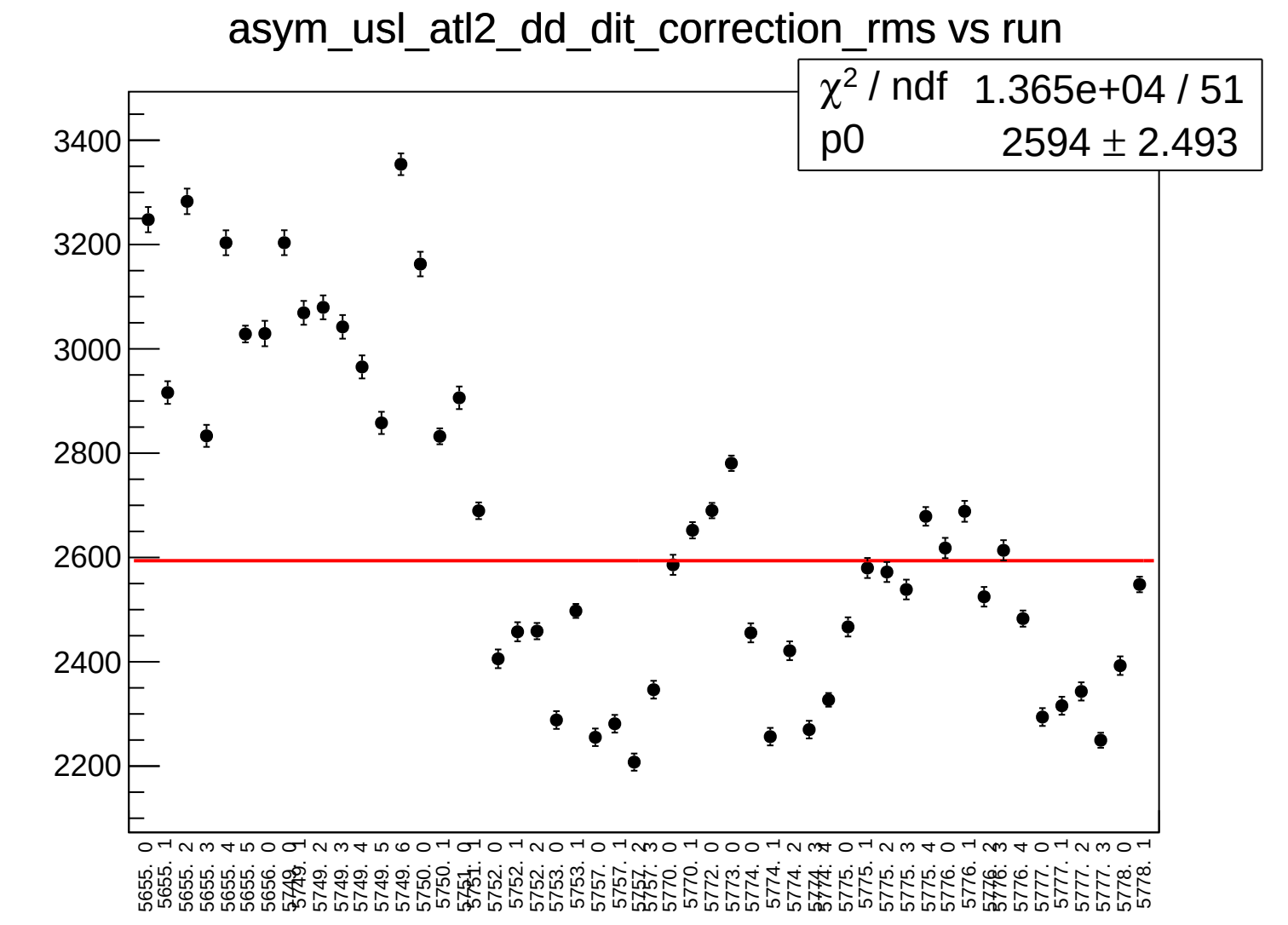

dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 65.7 / 51
p0 1234 ± 1133
pull
Entries 52
Mean 78.7
Std Dev 0


pull1D
Entries 52
Mean −0.01271
Std Dev 1.124


dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 2833 / 51
p0 837.7 ± 0.8011
940
920
900
880
860
840
820
800
780
760
740
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usl_atl2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 51.04 / 51
p0 1759 ± 3525
pull
Entries 52
Mean 62.76
Std Dev 54.9


pull1D
Entries 52
Mean −0.009136
Std Dev 0.9907


asym_usl_atl2_dd_dit_correction_rms vs run
χ² / ndf 1.365e+04 / 51
p0 2594 ± 2.493
3400
3200
3000
2800
2600
2400
2200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
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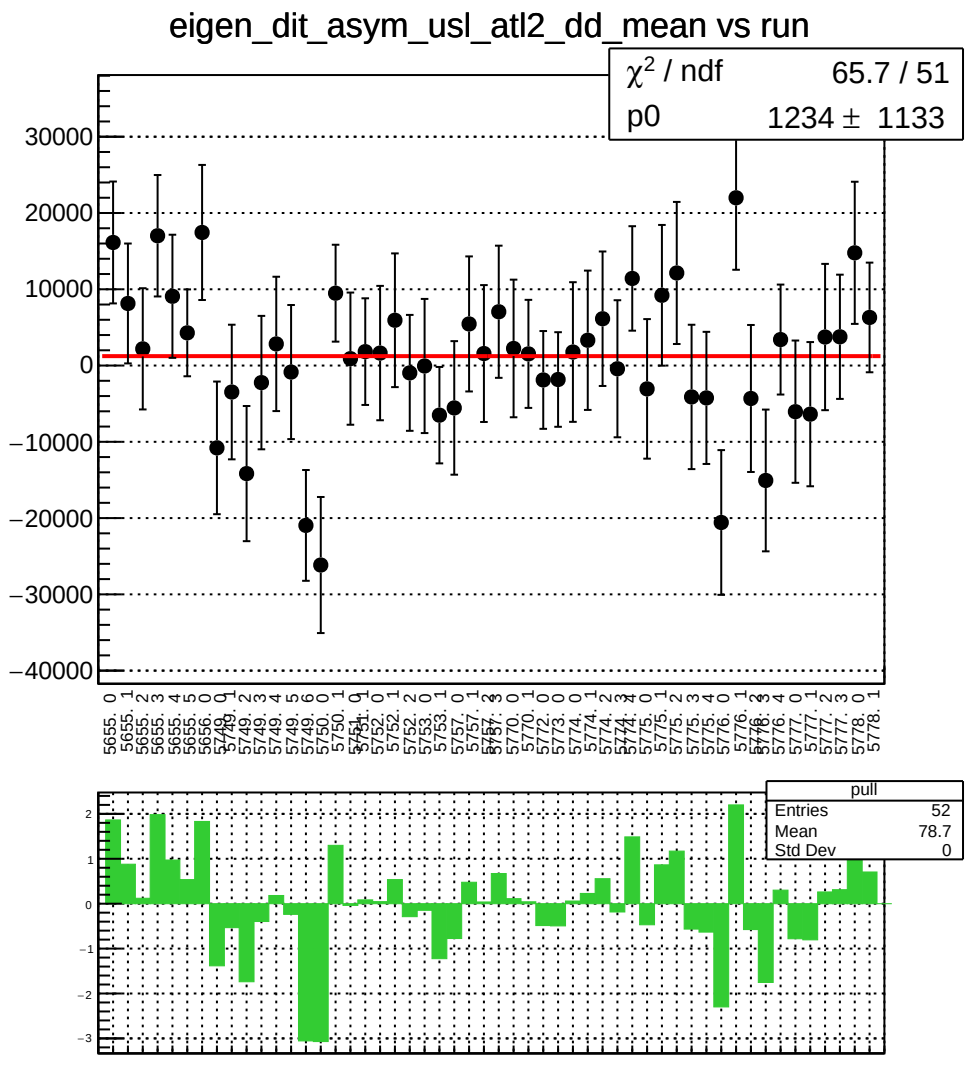
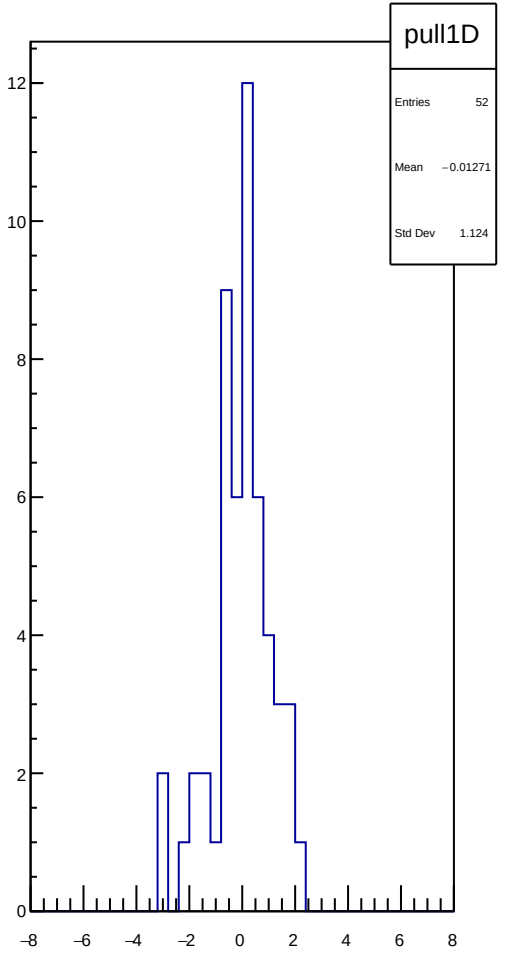
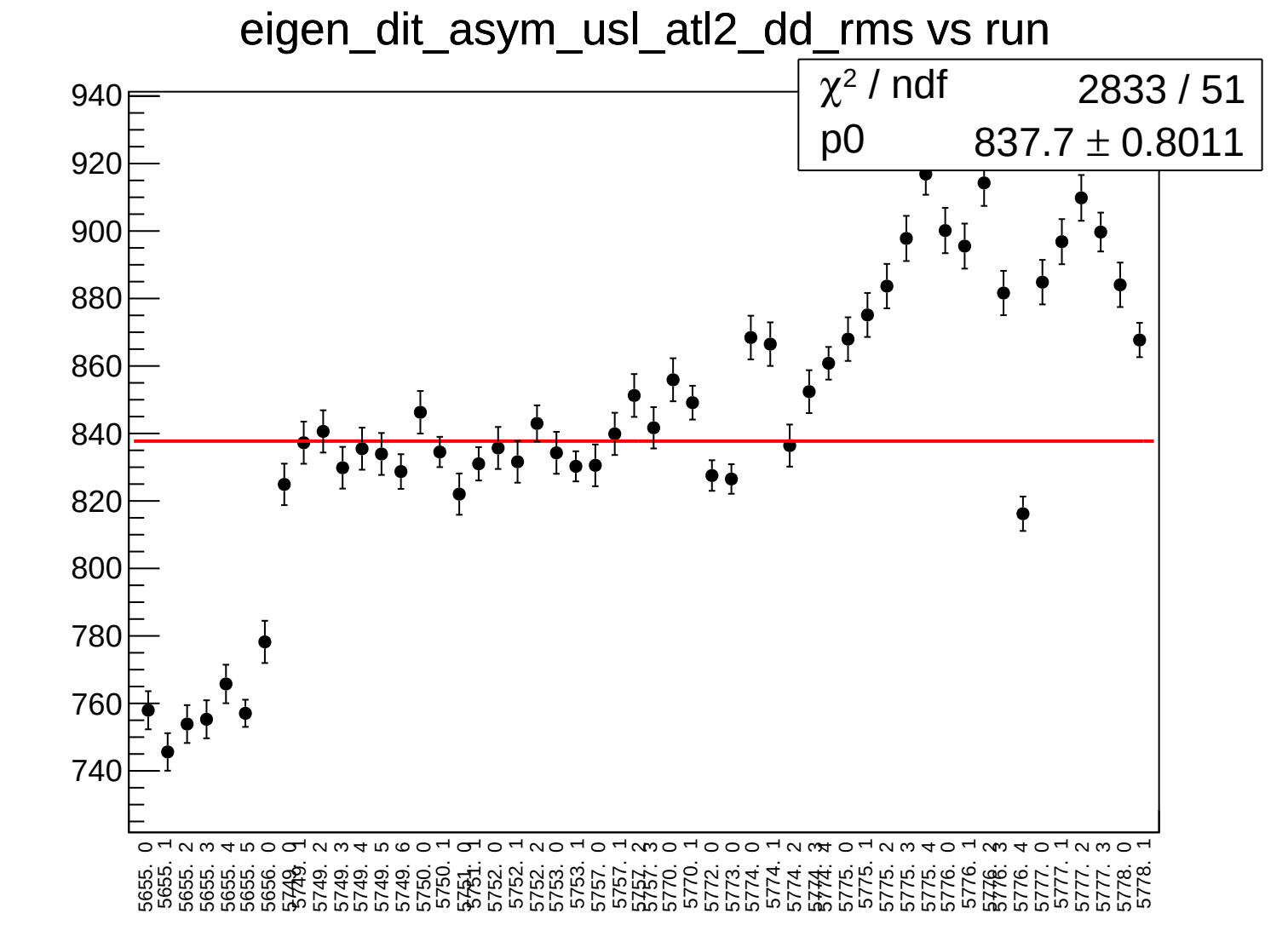
5778. 0
5778. 1


eigen_dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 65.7 / 51
p0 1234 ± 1133
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 52
Mean 78.7
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.01271
Std Dev 1.124
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 2833 / 51
p0 837.7 ± 0.8011
940
920
900
880
860
840
820
800
780
760
740
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
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5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
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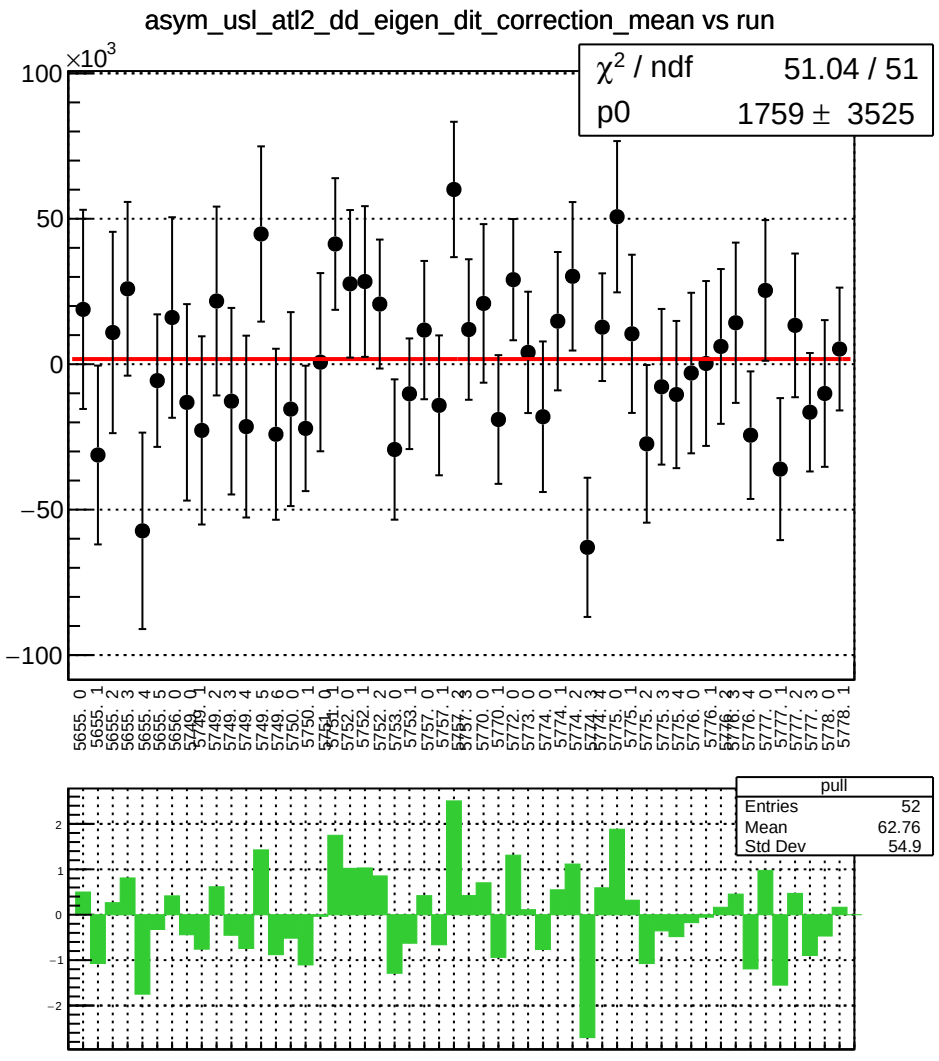
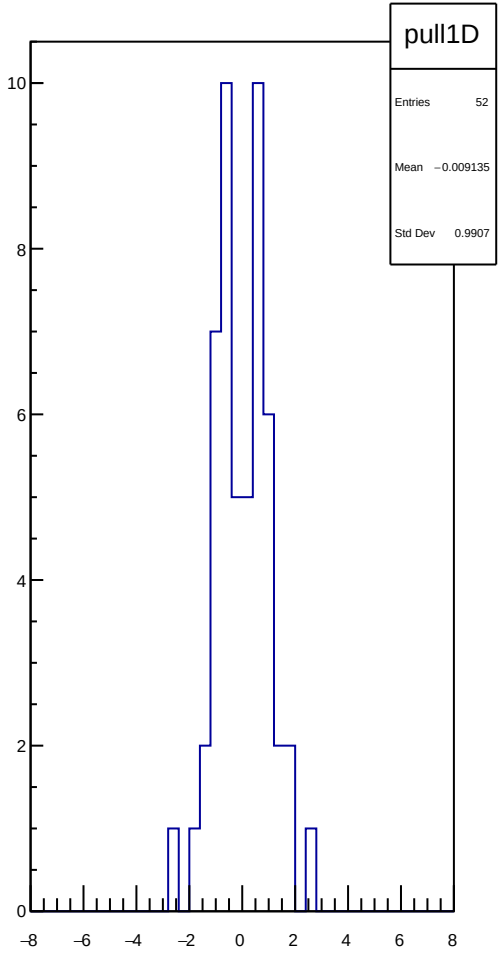
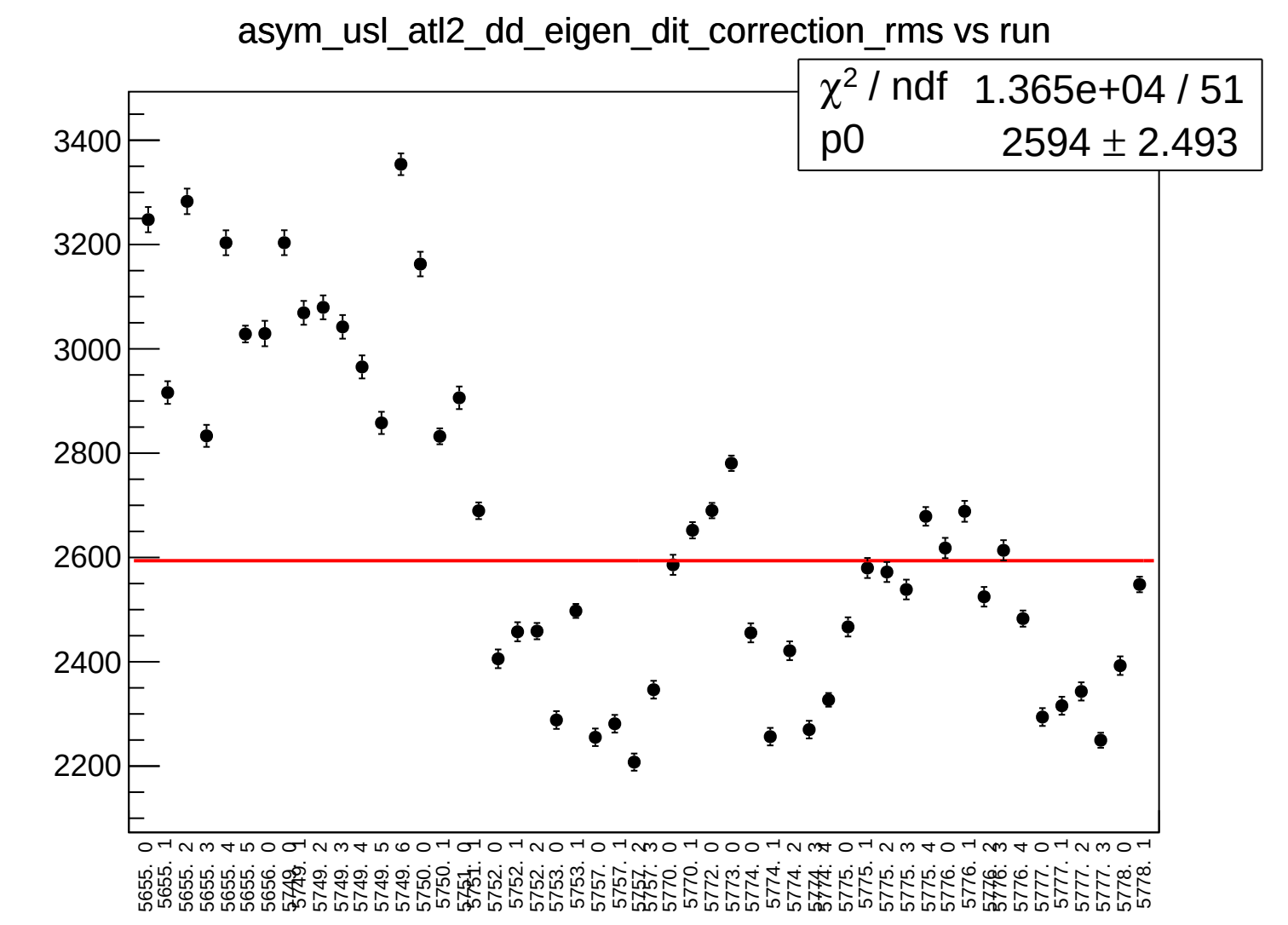
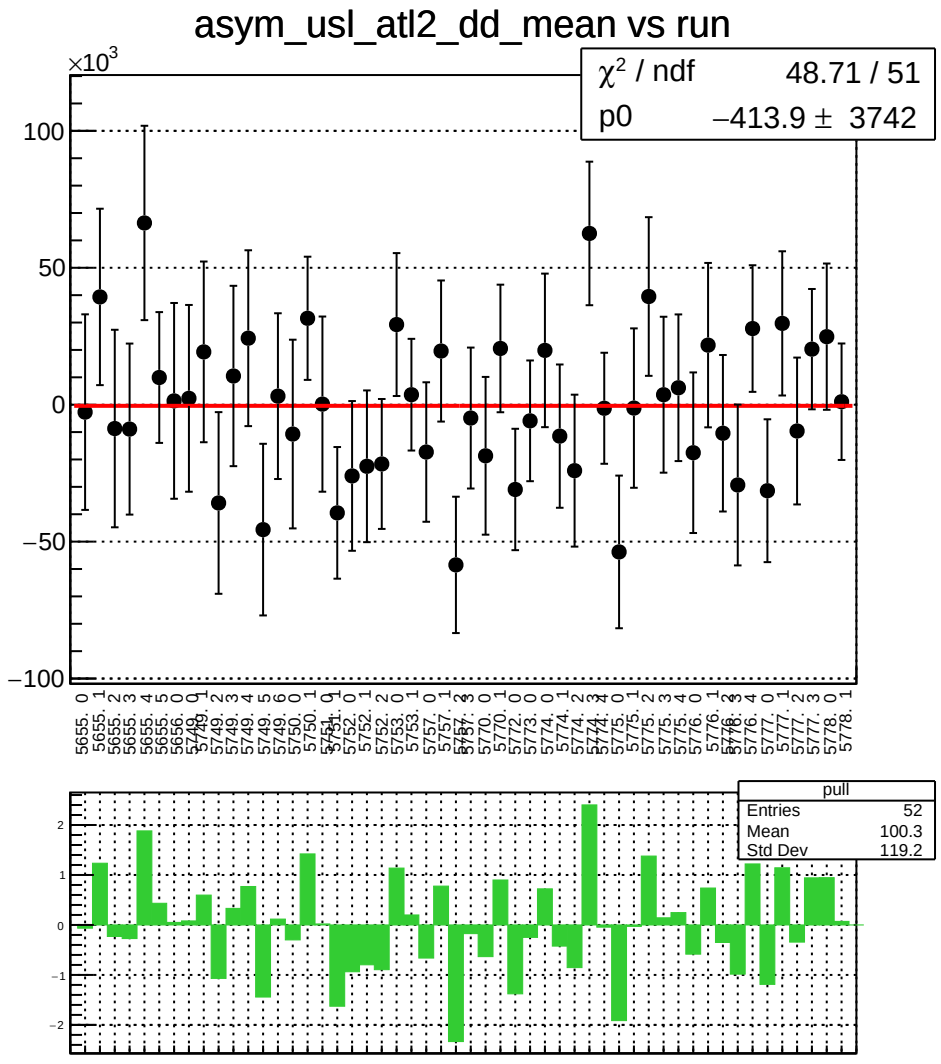
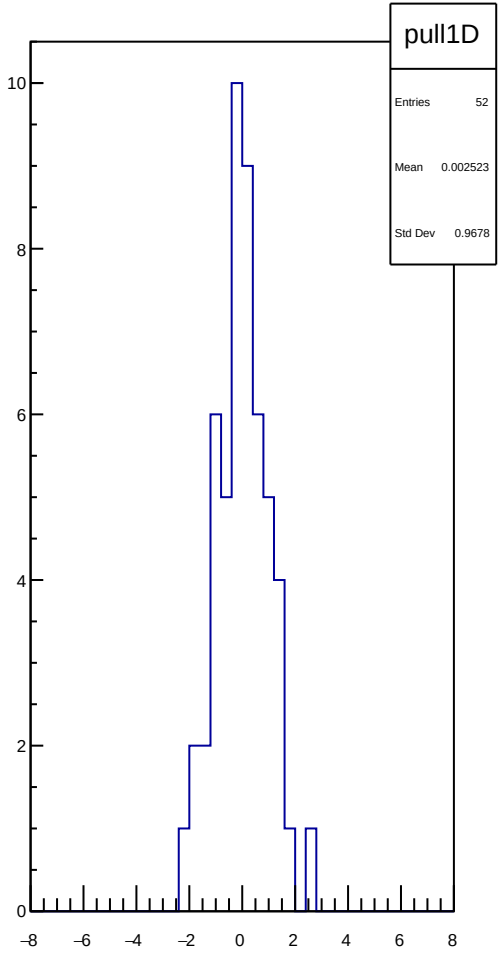
5778. 0
5778. 1

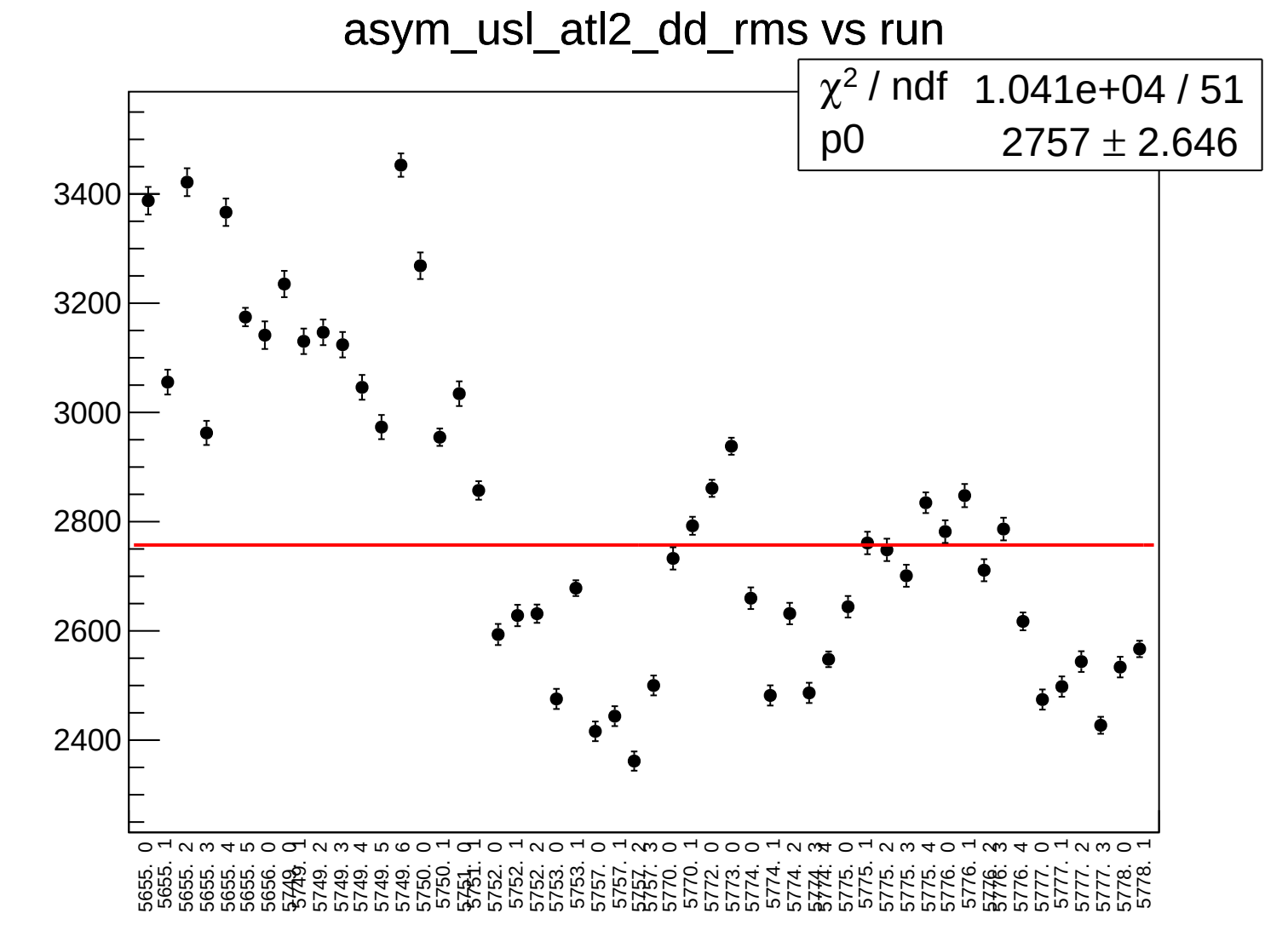

asym_usl_atl2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 51.04 / 51
p0 1759 ± 3525
pull
Entries 52
Mean 62.76
Std Dev 54.9

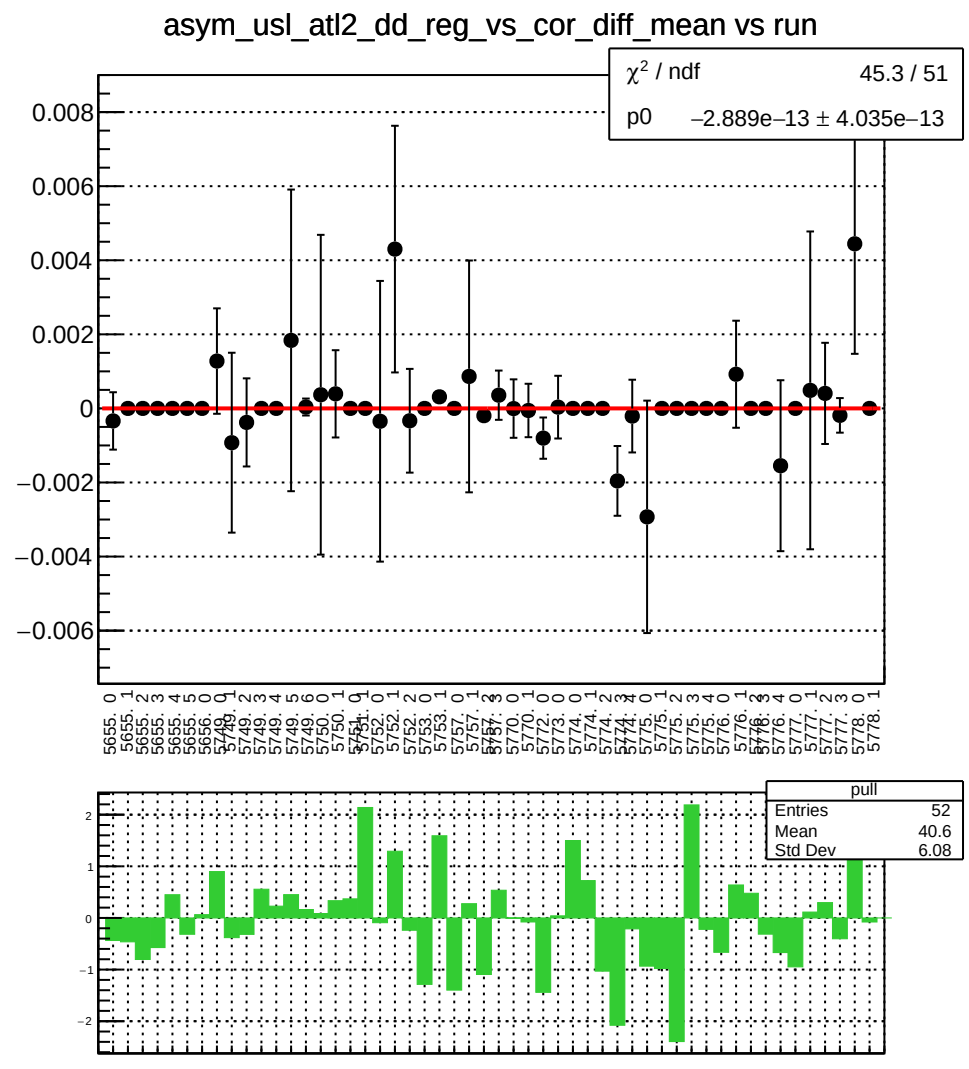

pull1D
Entries 52
Mean −0.009135
Std Dev 0.9907

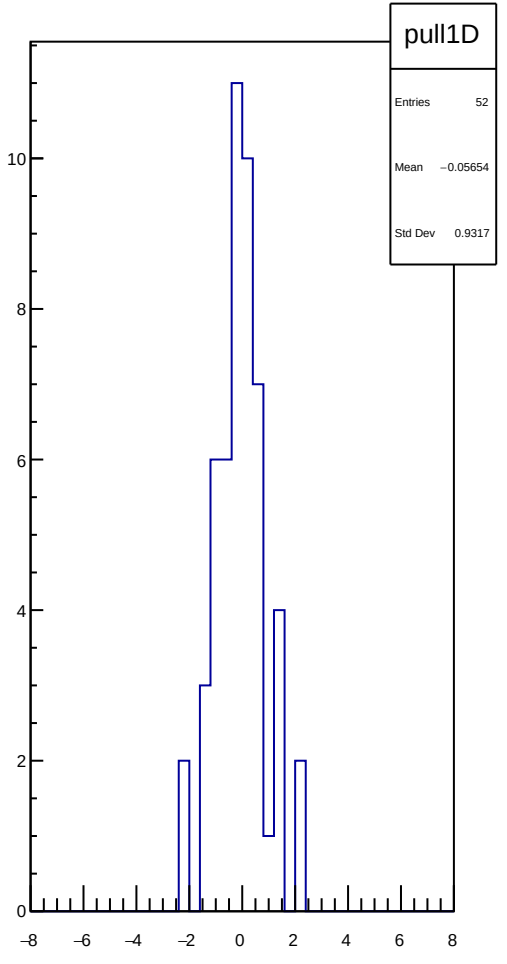

asym_usl_atl2_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.365e+04 / 51
p0 2594 ± 2.493
3400
3200
3000
2800
2600
2400
2200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

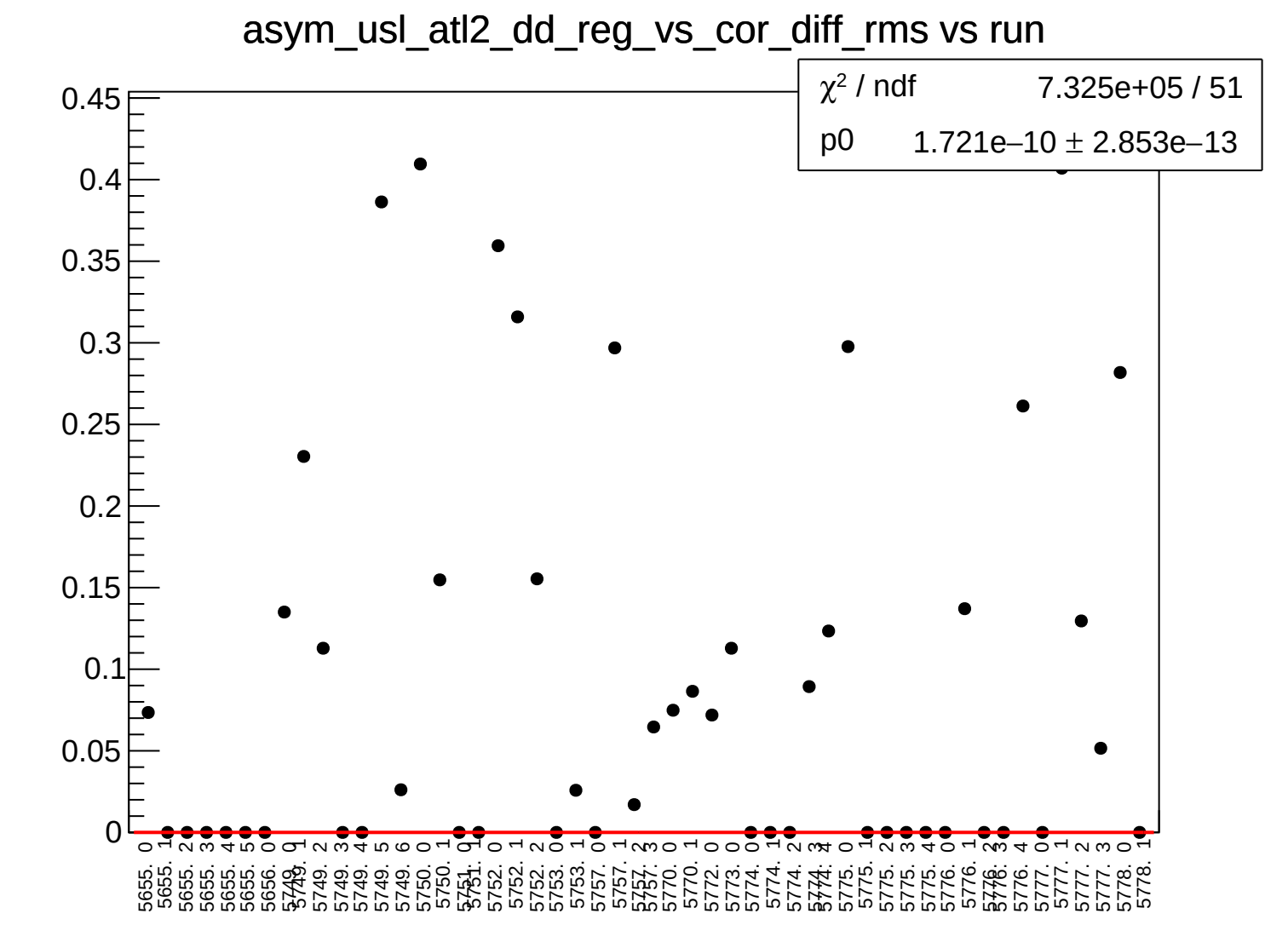

asym_usl_atl2_dd_mean vs run
×10^3
χ² / ndf 48.71 / 51
p0 −413.9 ± 3742
100
50
0
−50
−100
pull
Entries 52
Mean 100.3
Std Dev 119.2
2
1
0
−1
−2

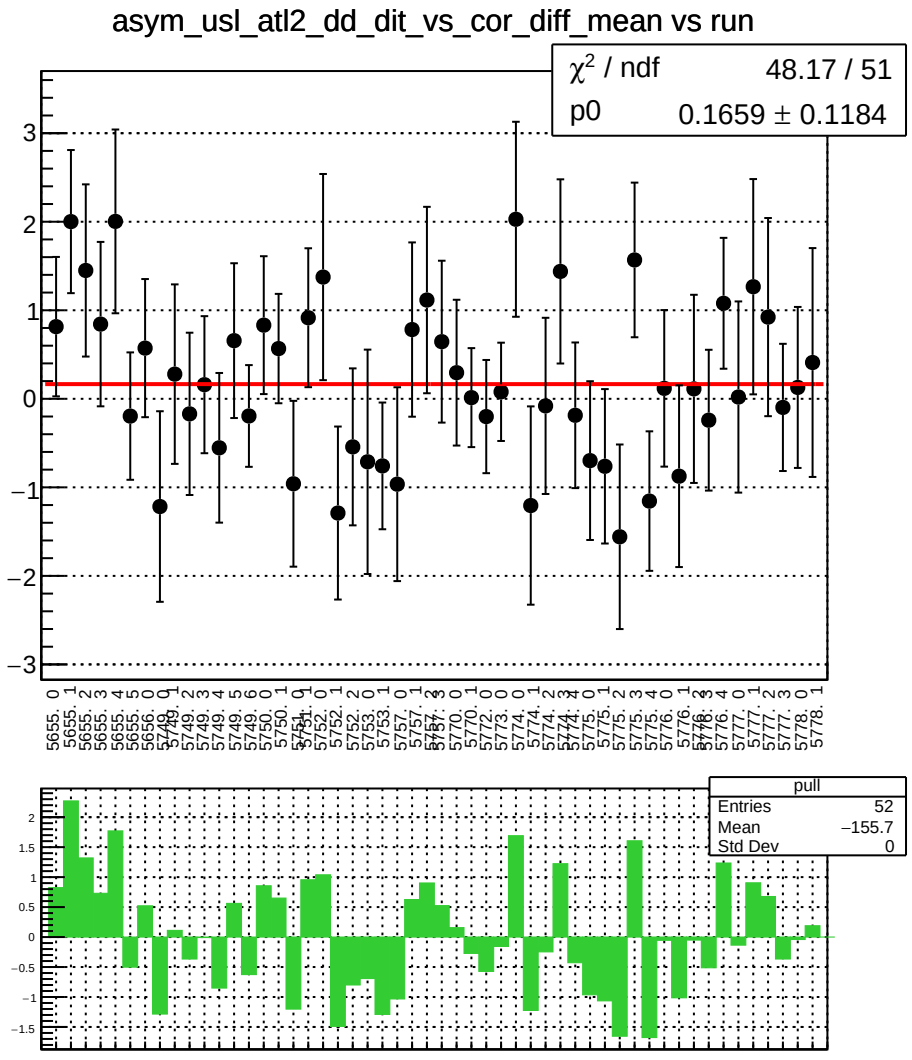

pull1D
Entries 52
Mean 0.002523
Std Dev 0.9678
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

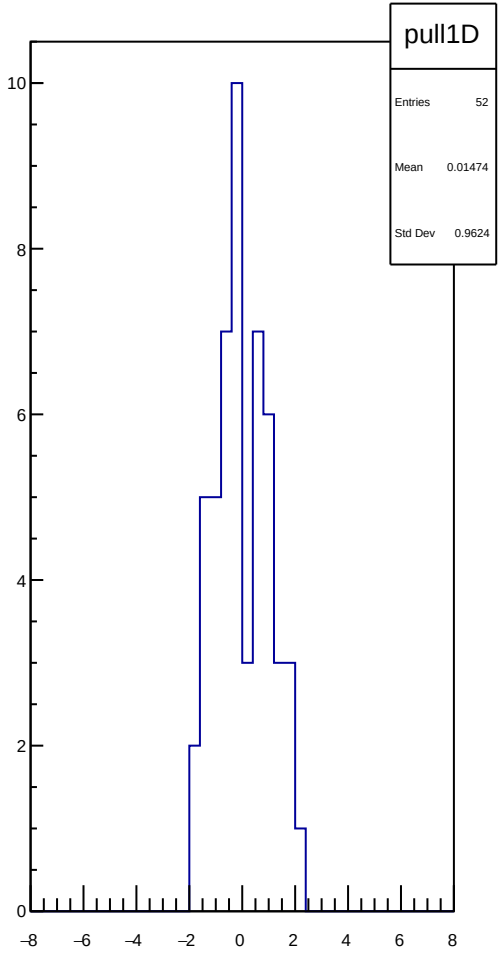

asym_usl_atl2_dd_rms vs run
χ² / ndf 1.041e+04 / 51
p0 2757 ± 2.646
3400
3200
3000
2800
2600
2400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

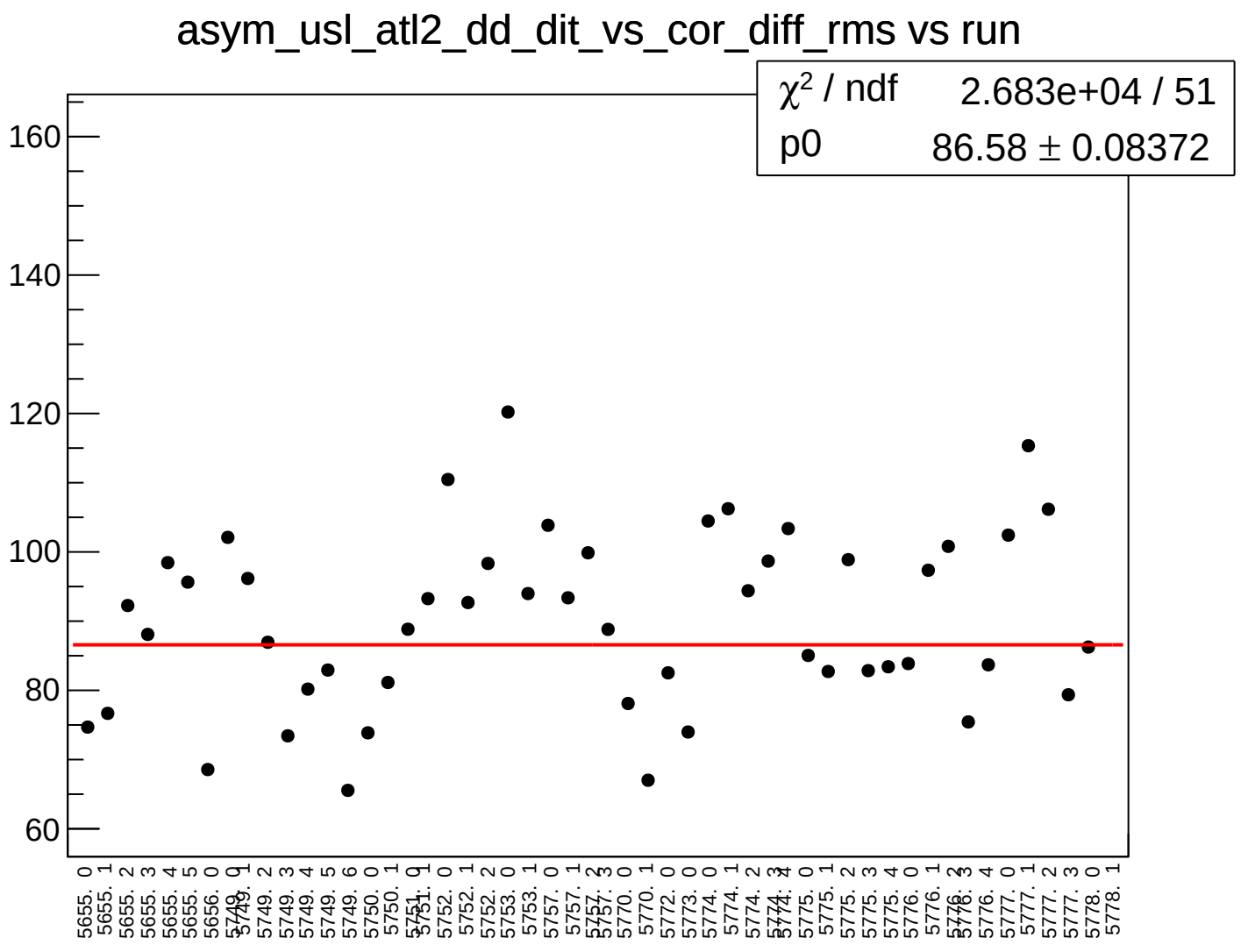

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 45.3 / 51
p0 −2.889e−13 ± 4.035e−13
0.008
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
pull
Entries 52
Mean 40.6
Std Dev 6.08


pull1D
Entries 52
Mean −0.05654
Std Dev 0.9317
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.325e+05 / 51
p0 1.721e−10 ± 2.853e−13
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usl_atl2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 48.17 / 51
p0 0.1659 ± 0.1184
pull
Entries 52
Mean −155.7
Std Dev 0


pull1D
Entries 52
Mean 0.01474
Std Dev 0.9624


asym_usl_atl2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.683e+04 / 51
p0 86.58 ± 0.08372
160
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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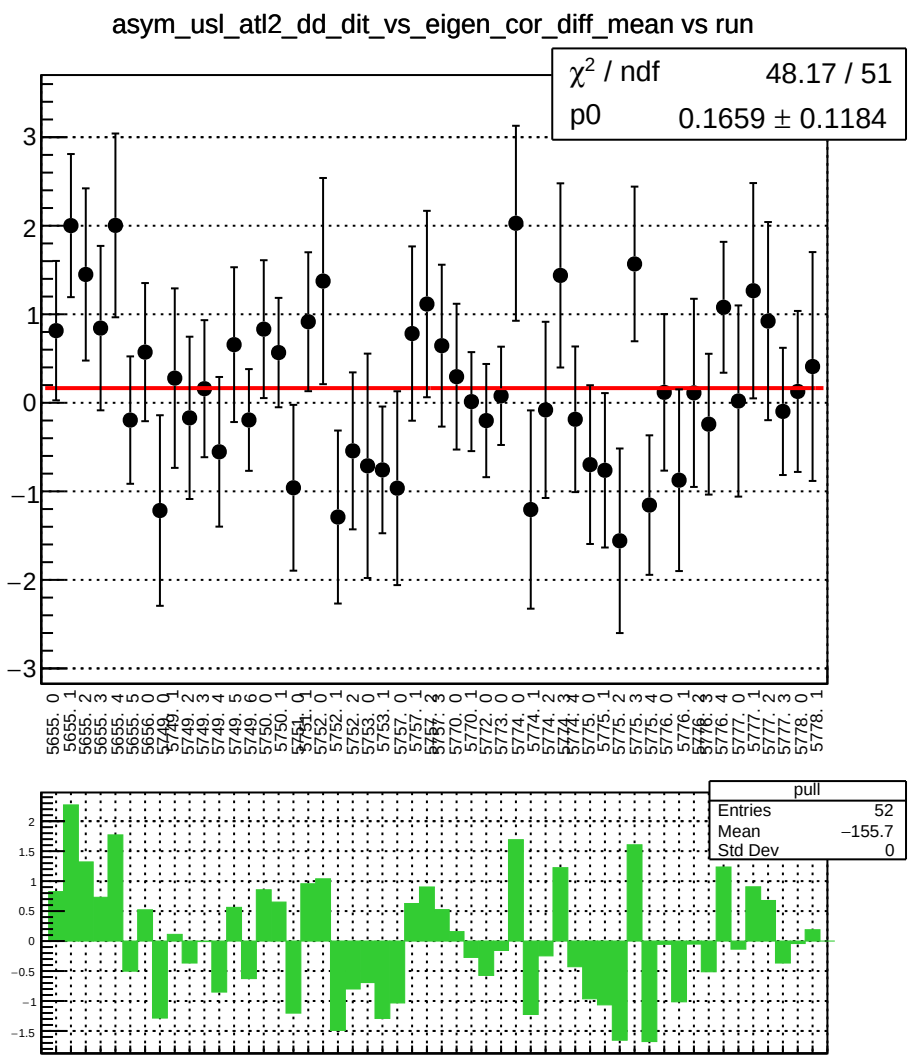
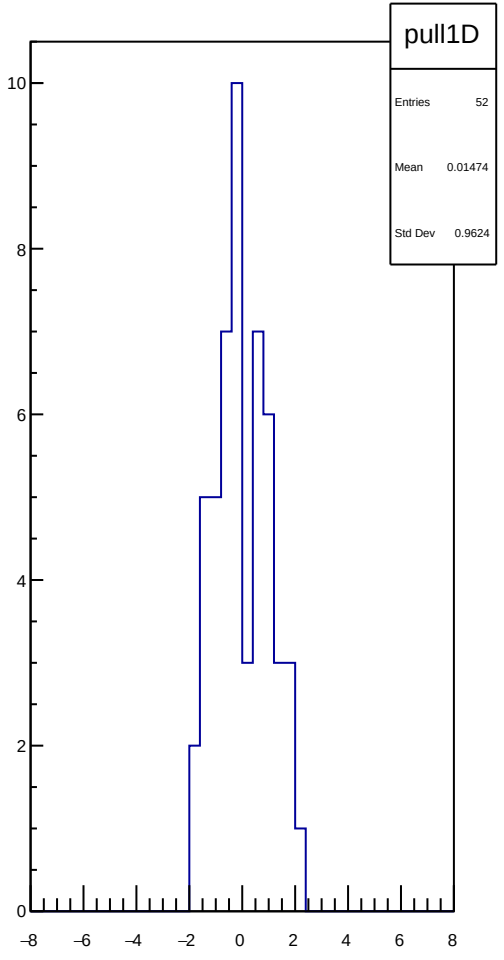
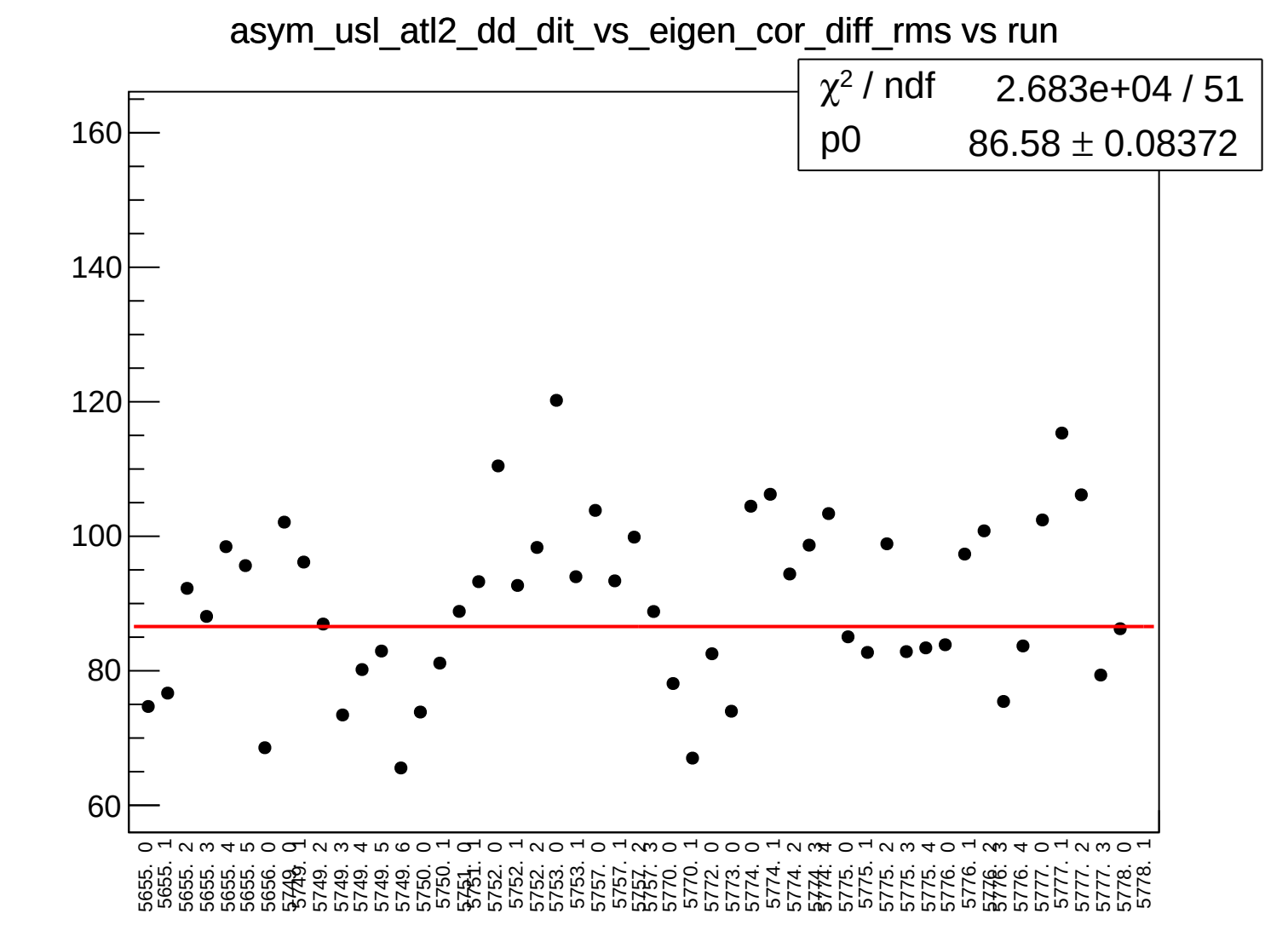
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.17 / 51
p0 0.1659 ± 0.1184
pull
Entries 52
Mean −155.7
Std Dev 0


pull1D
Entries 52
Mean 0.01474
Std Dev 0.9624


asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.683e+04 / 51
p0 86.58 ± 0.08372
160
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
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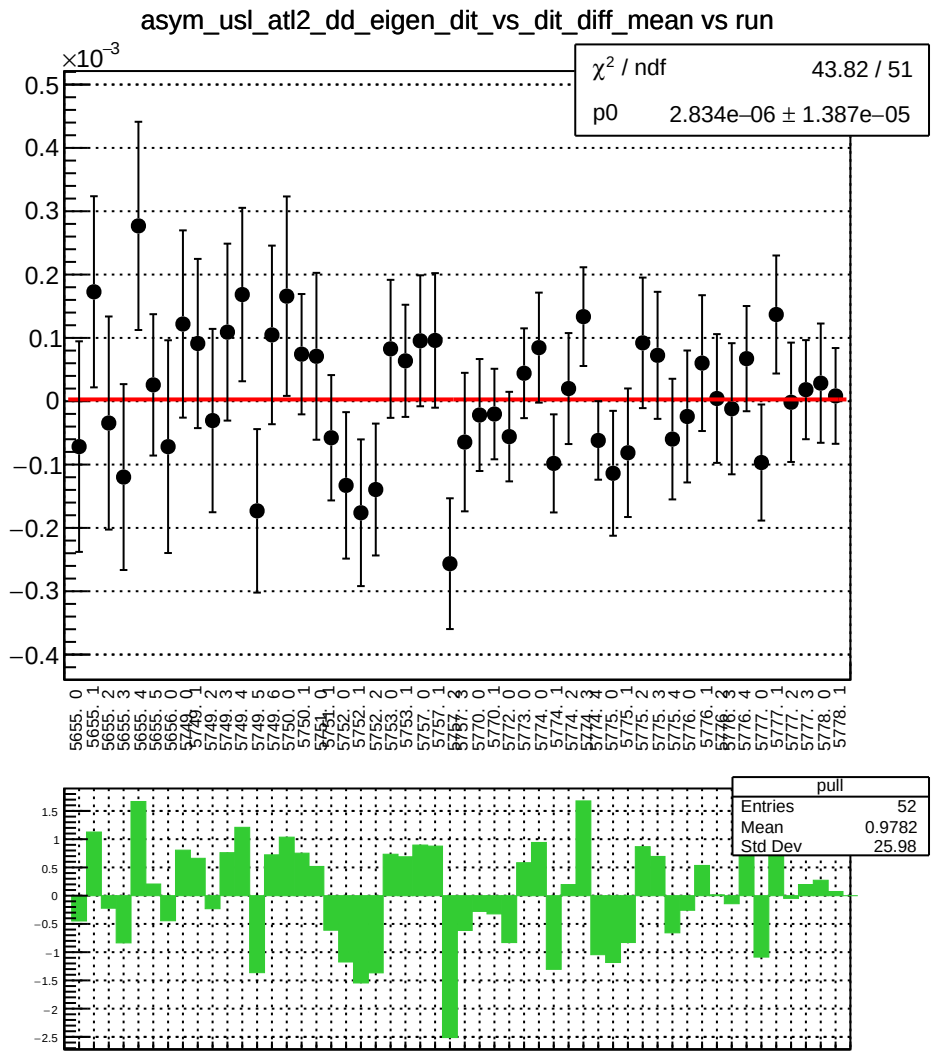
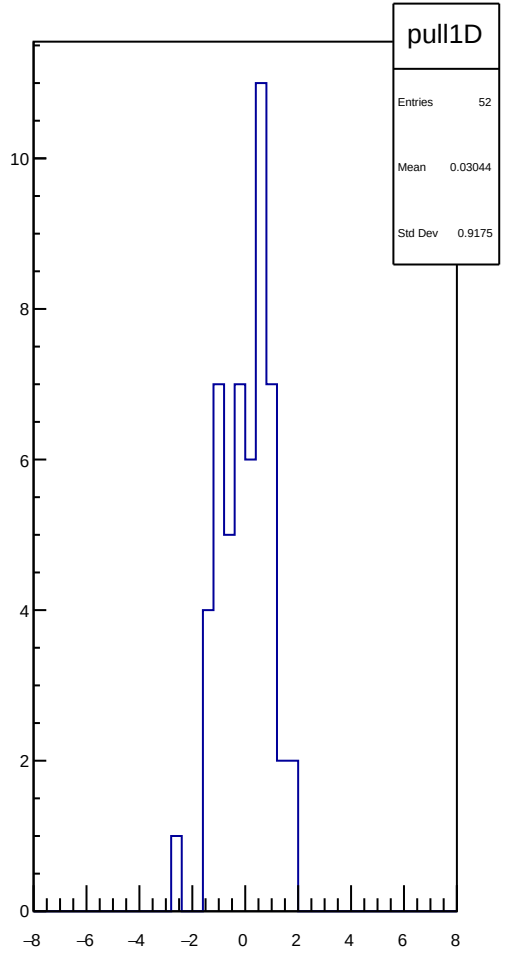
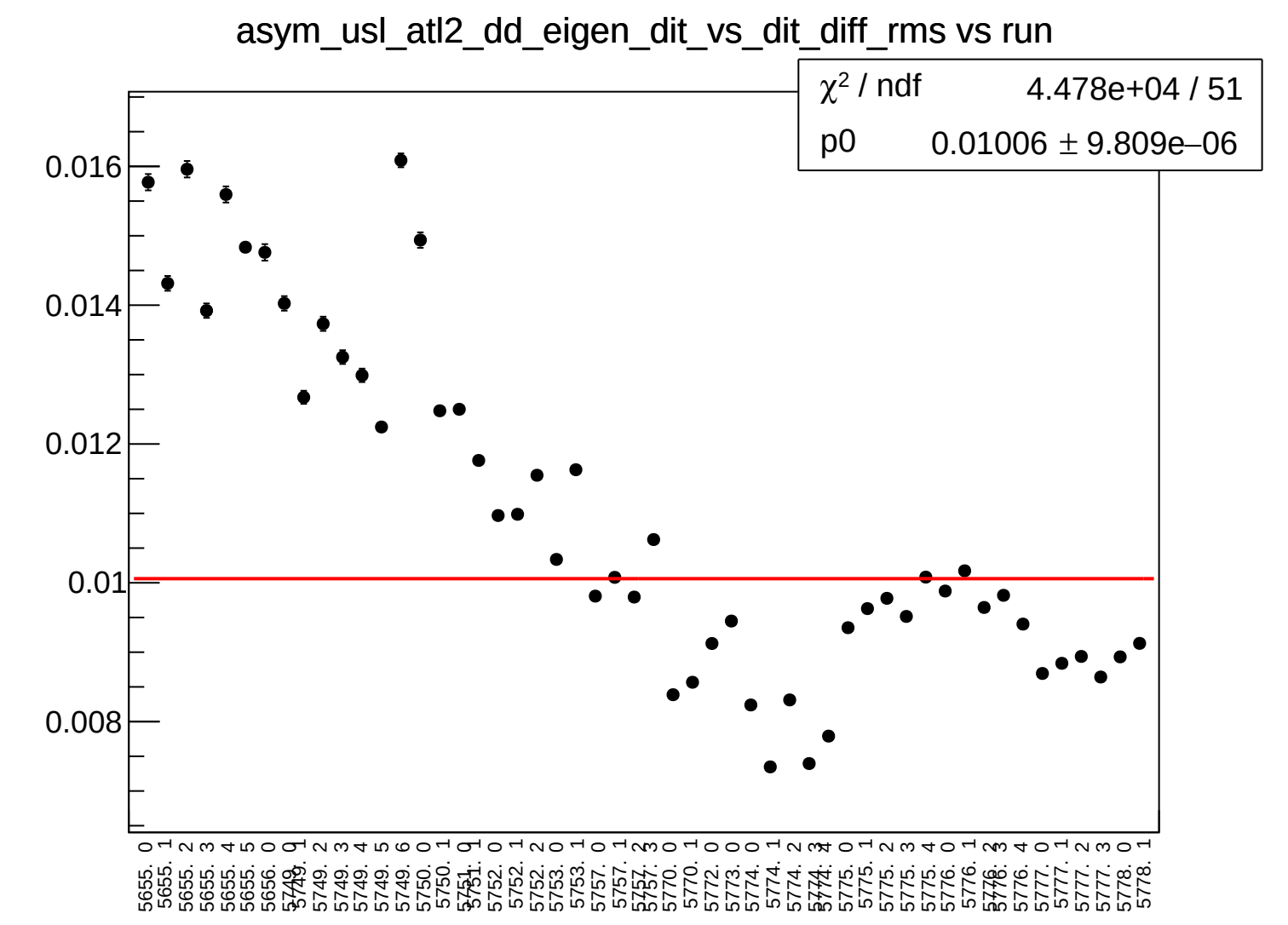
5777. 2
5777. 3
5778. 0
5778. 1


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 43.82 / 51
p0 2.834e−06 ± 1.387e−05
pull
Entries 52
Mean 0.9782
Std Dev 25.98


pull1D
Entries 52
Mean 0.03044
Std Dev 0.9175


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.478e+04 / 51
p0 0.01006 ± 9.809e–06
0.016
0.014
0.012
0.01
0.008
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
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5777. 1
5777. 2
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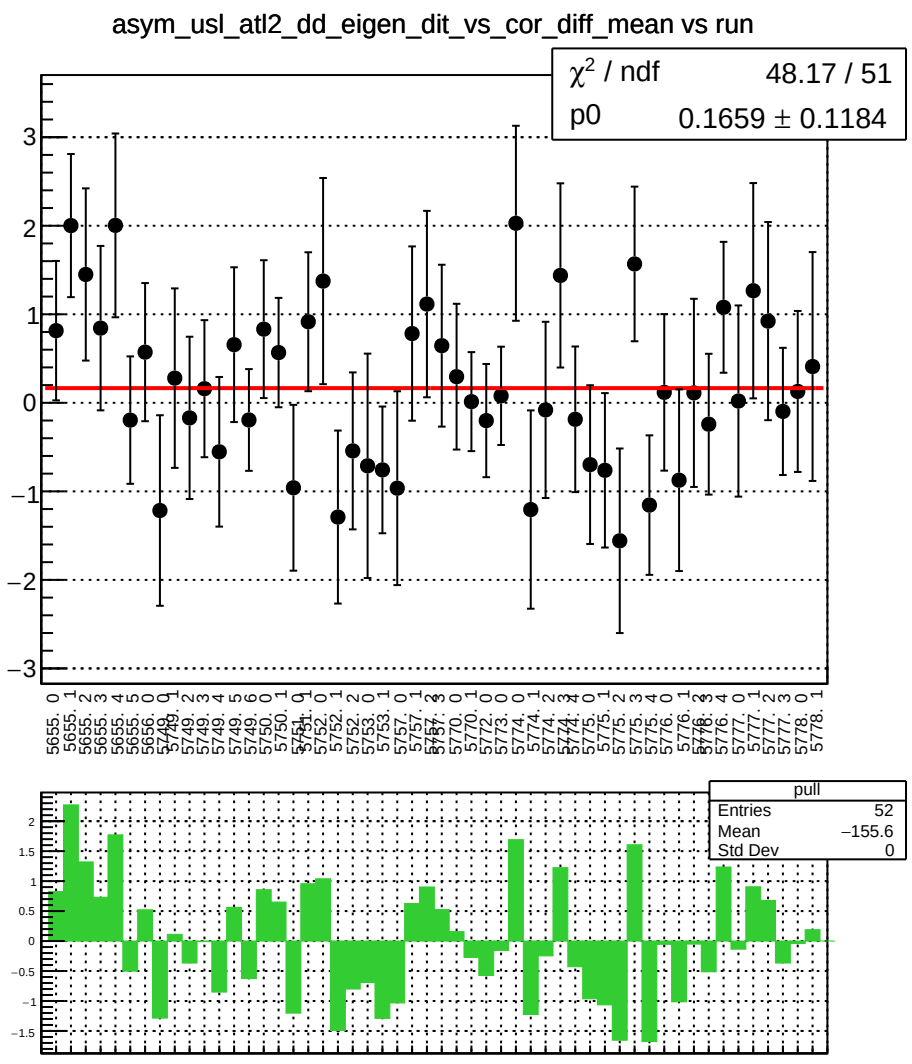
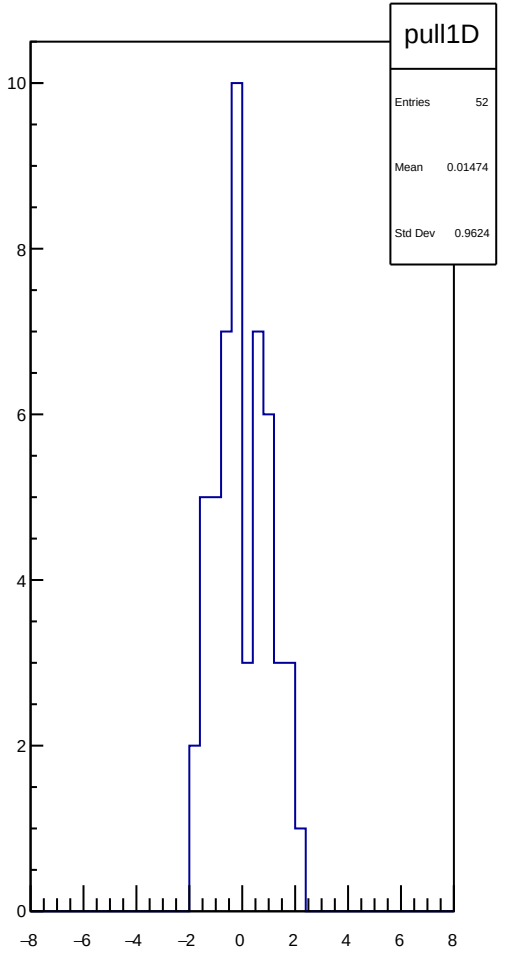
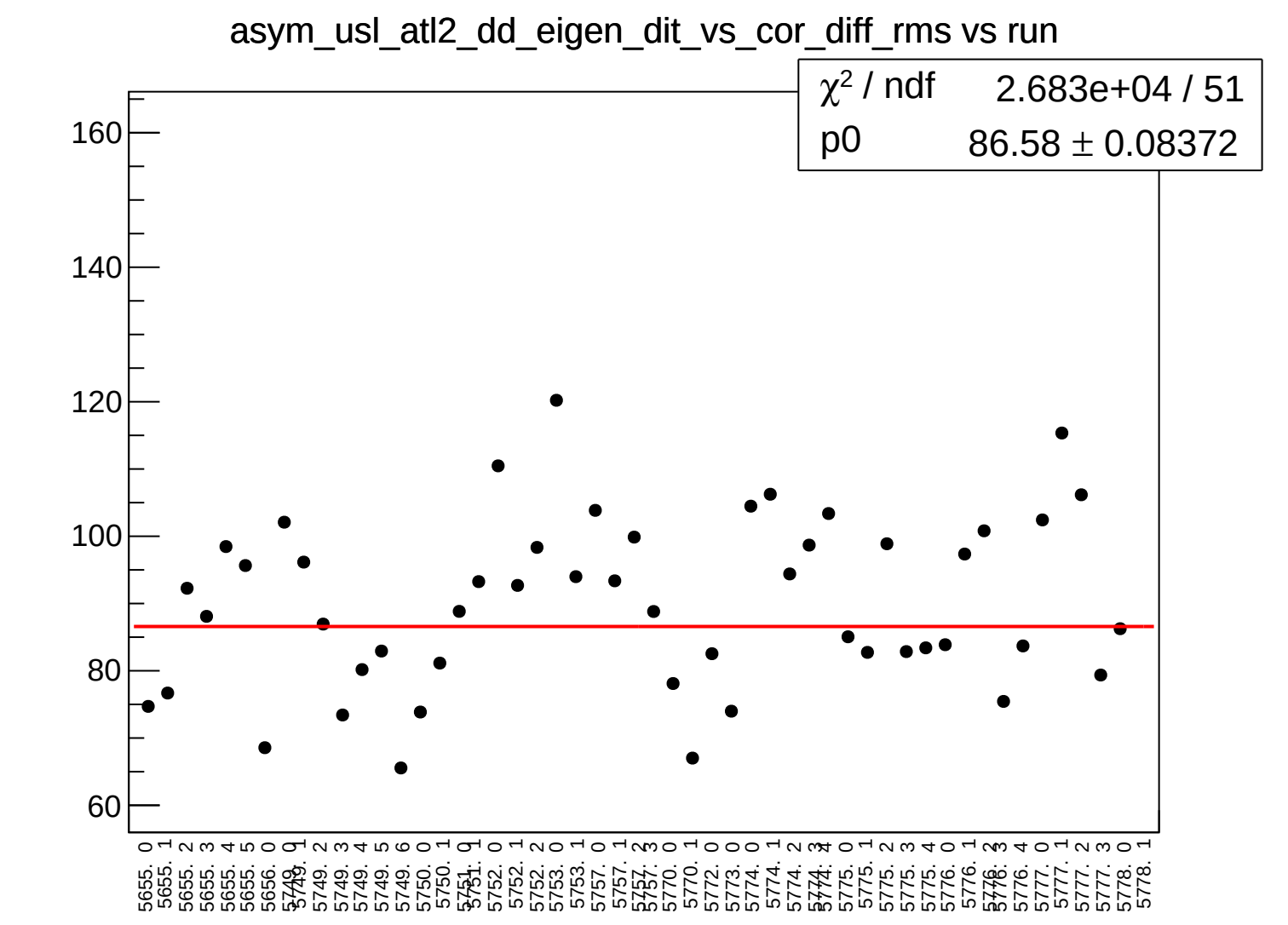
5778. 0
5778. 1


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.17 / 51
p0 0.1659 ± 0.1184
pull
Entries 52
Mean −155.6
Std Dev 0


pull1D
Entries 52
Mean 0.01474
Std Dev 0.9624


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.683e+04 / 51
p0 86.58 ± 0.08372
160
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
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5777. 1
5777. 2
5777. 3
5778. 0
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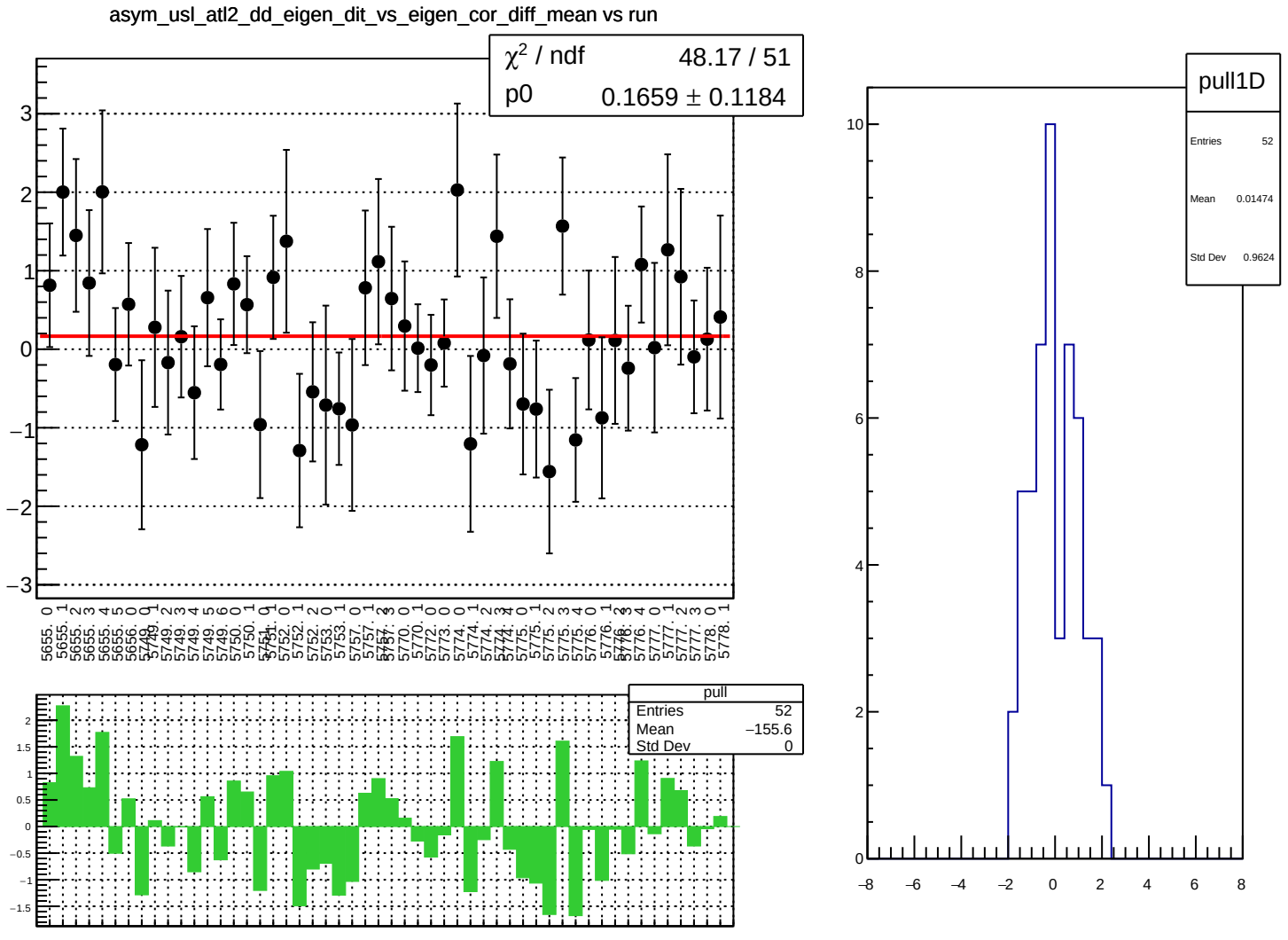
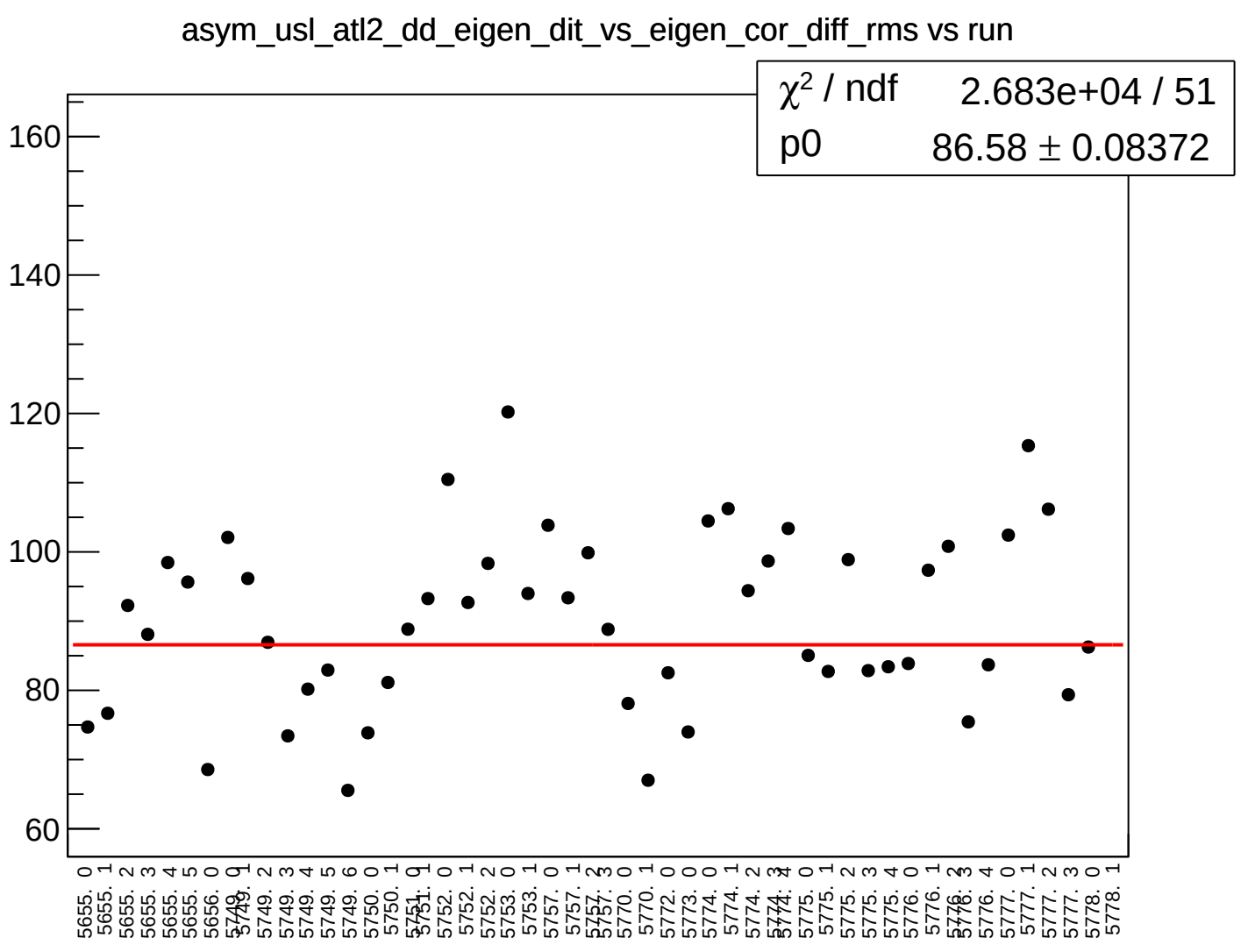

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.17 / 51
p0 0.1659 ± 0.1184
pull
Entries 52
Mean −155.6
Std Dev 0
pull1D
Entries 52
Mean 0.01474
Std Dev 0.9624


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.683e+04 / 51
p0 86.58 ± 0.08372
160
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
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5750. 0
5750. 1
5751. 0
5751. 1
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5773. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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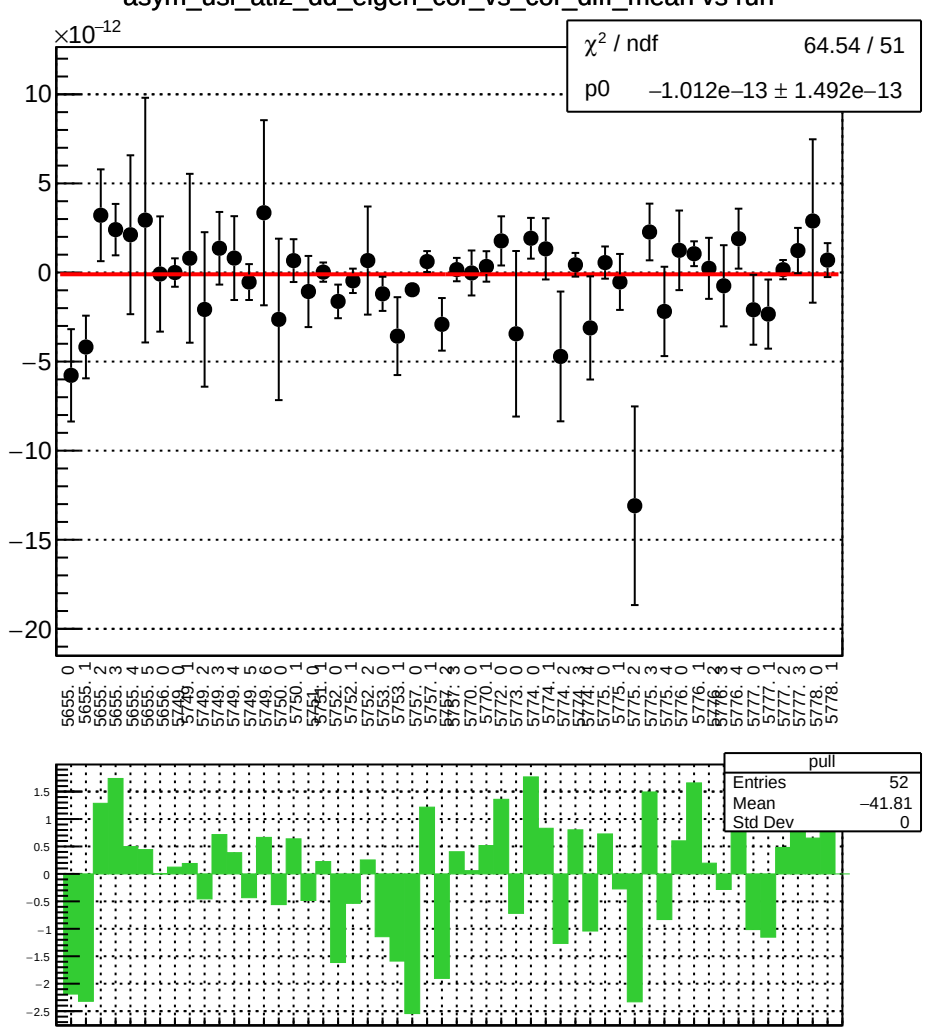
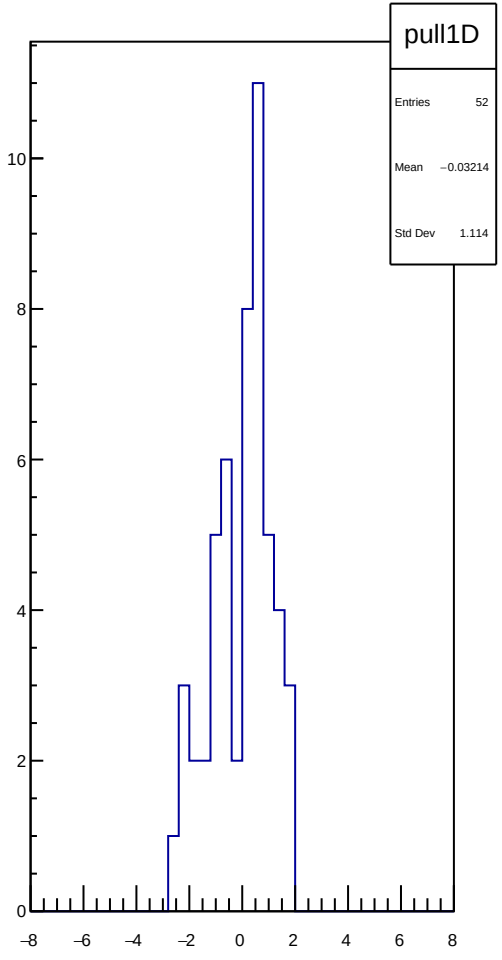
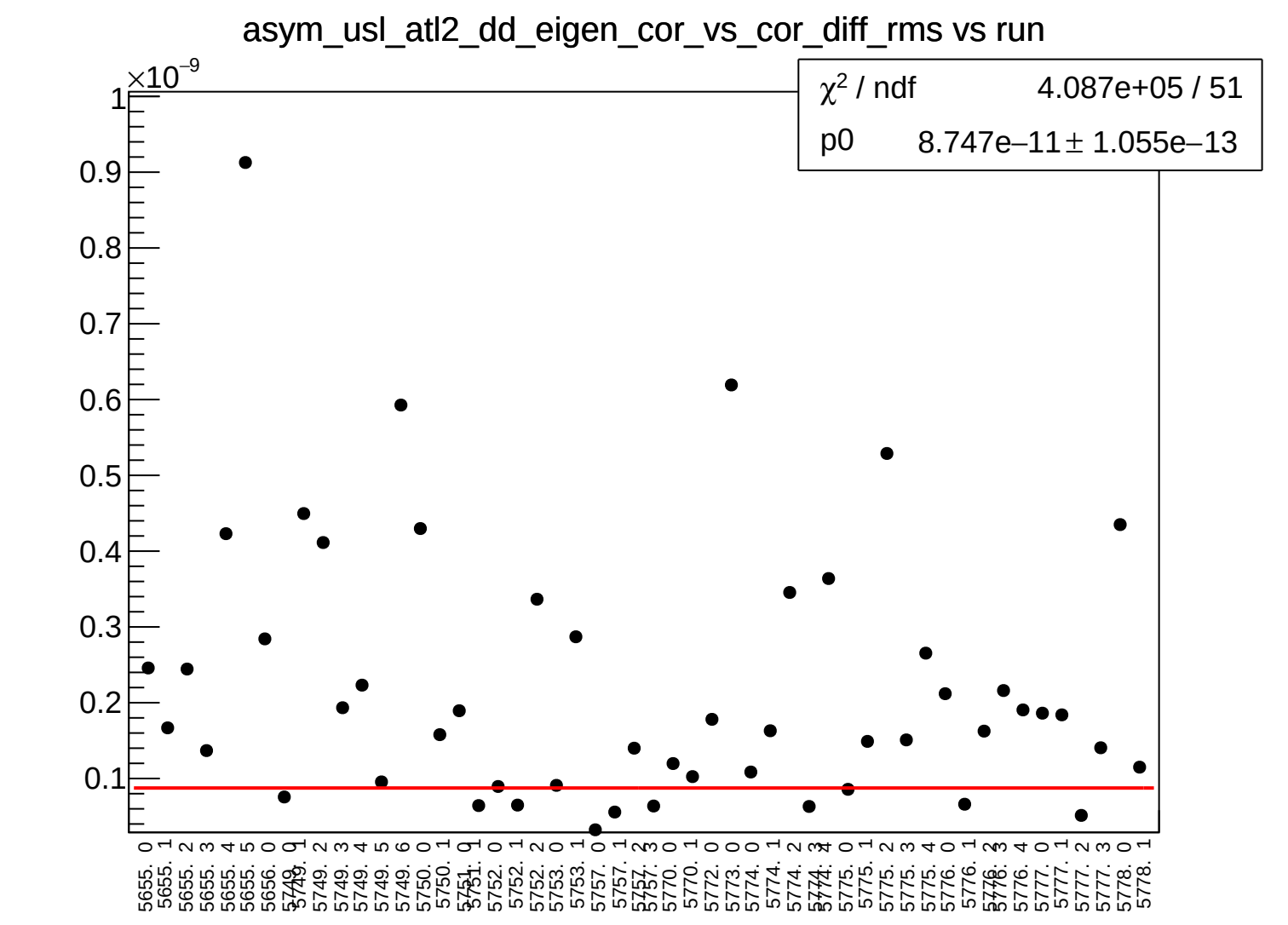
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 64.54 / 51
p0 −1.012e−13 ± 1.492e−13
pull
Entries 52
Mean −41.81
Std Dev 0


pull1D
Entries 52
Mean −0.03214
Std Dev 1.114


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.087e+05 / 51
p0 8.747e−11 ± 1.055e−13
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
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5770. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
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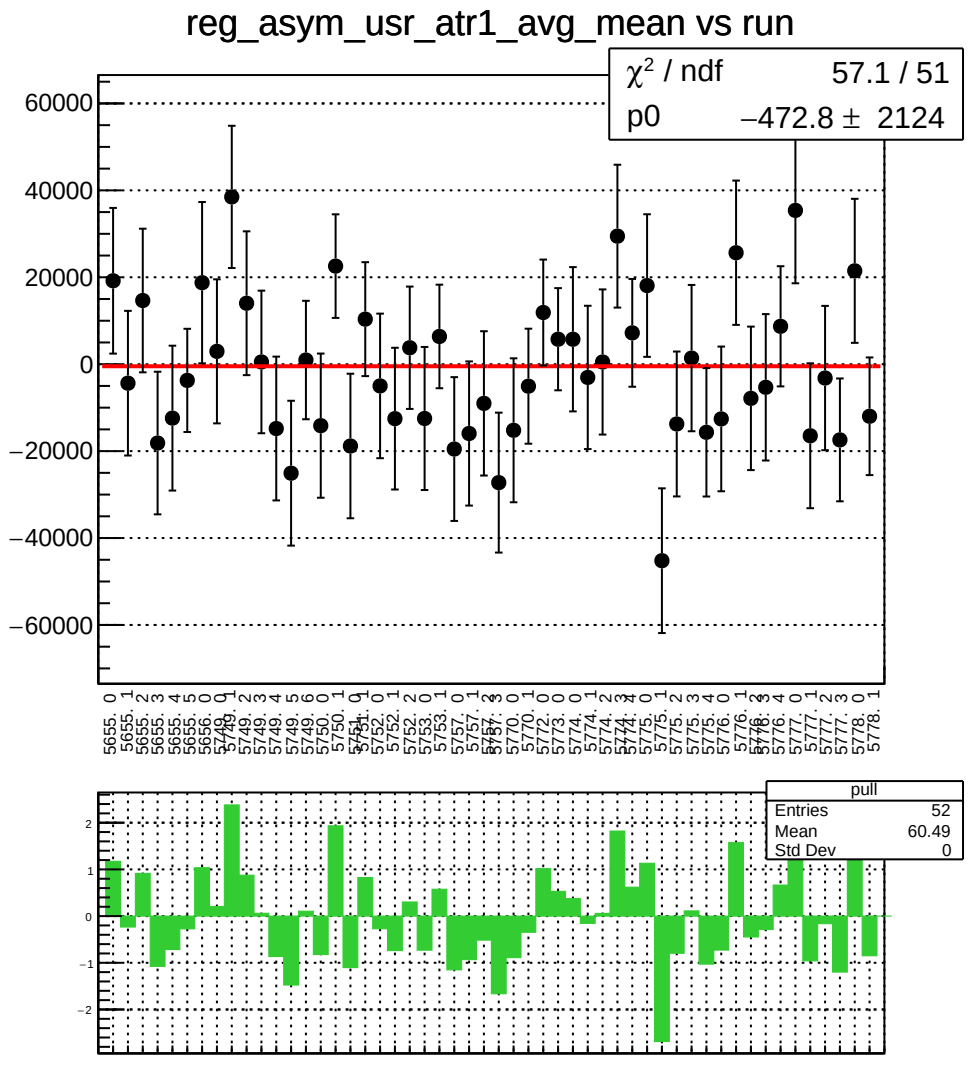
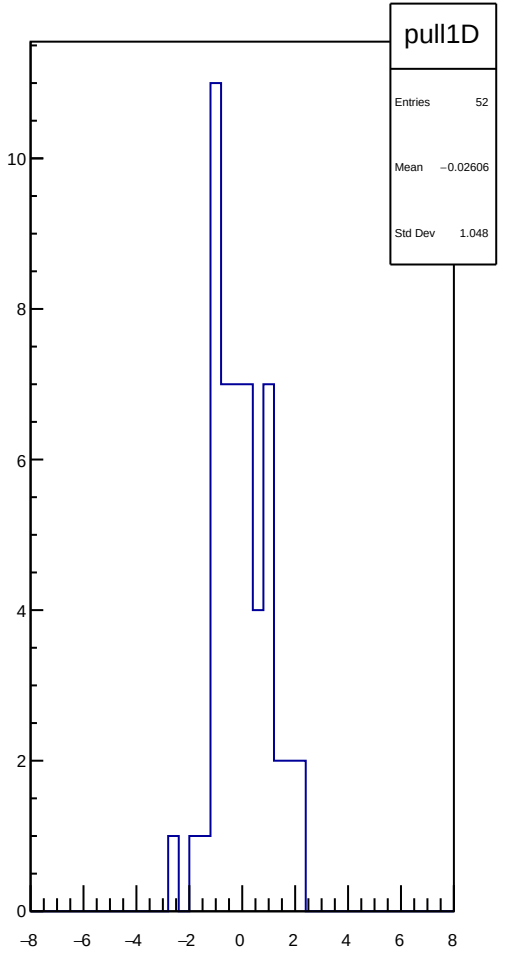
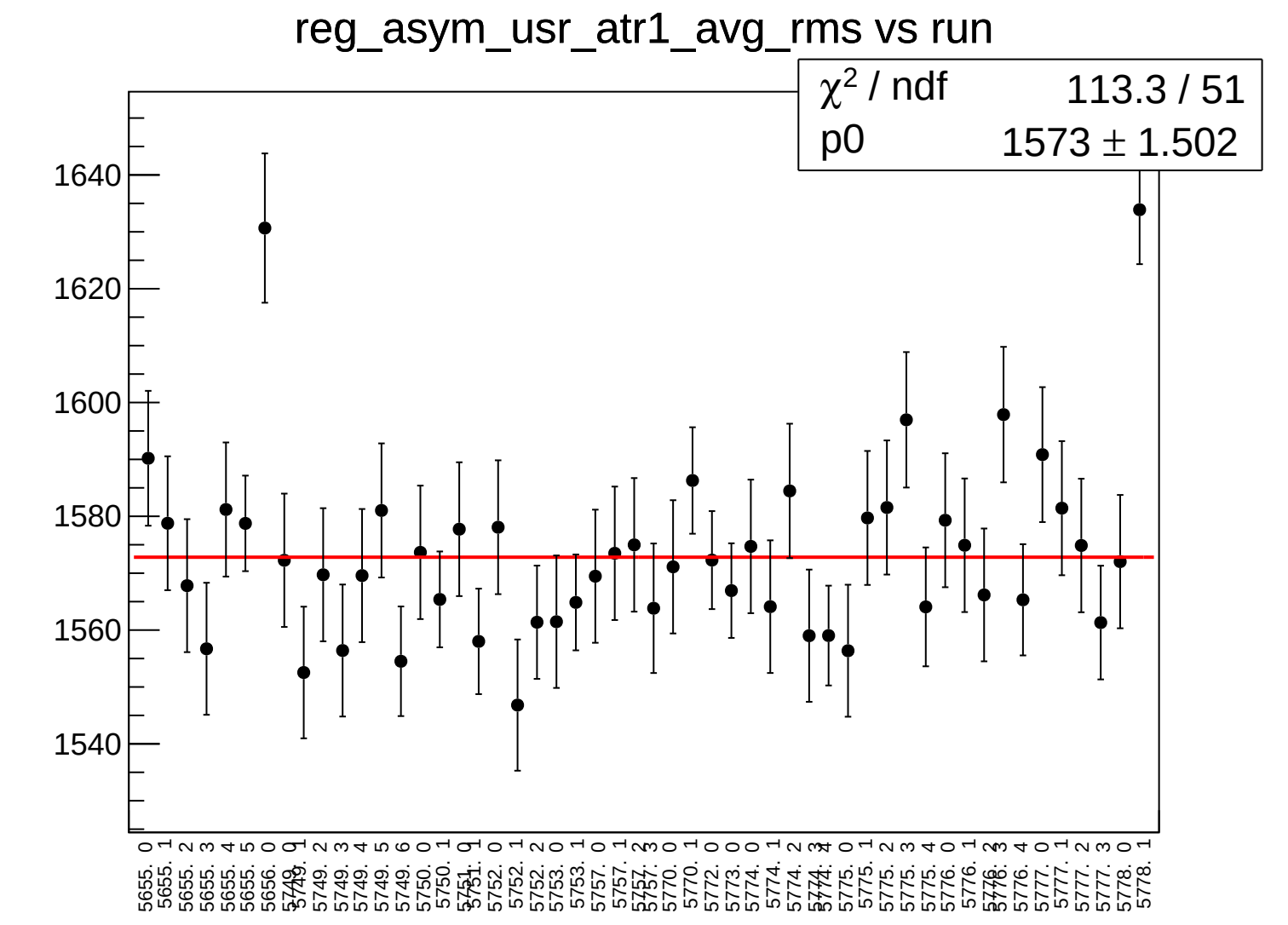
5777. 2
5777. 3
5778. 0
5778. 1


reg_asym_usr_atr1_avg_mean vs run
χ² / ndf 57.1 / 51
p0 −472.8 ± 2124
pull
Entries 52
Mean 60.49
Std Dev 0


pull1D
Entries 52
Mean −0.02606
Std Dev 1.048


reg_asym_usr_atr1_avg_rms vs run
χ² / ndf 113.3 / 51
p0 1573 ± 1.502
1640
1620
1600
1580
1560
1540
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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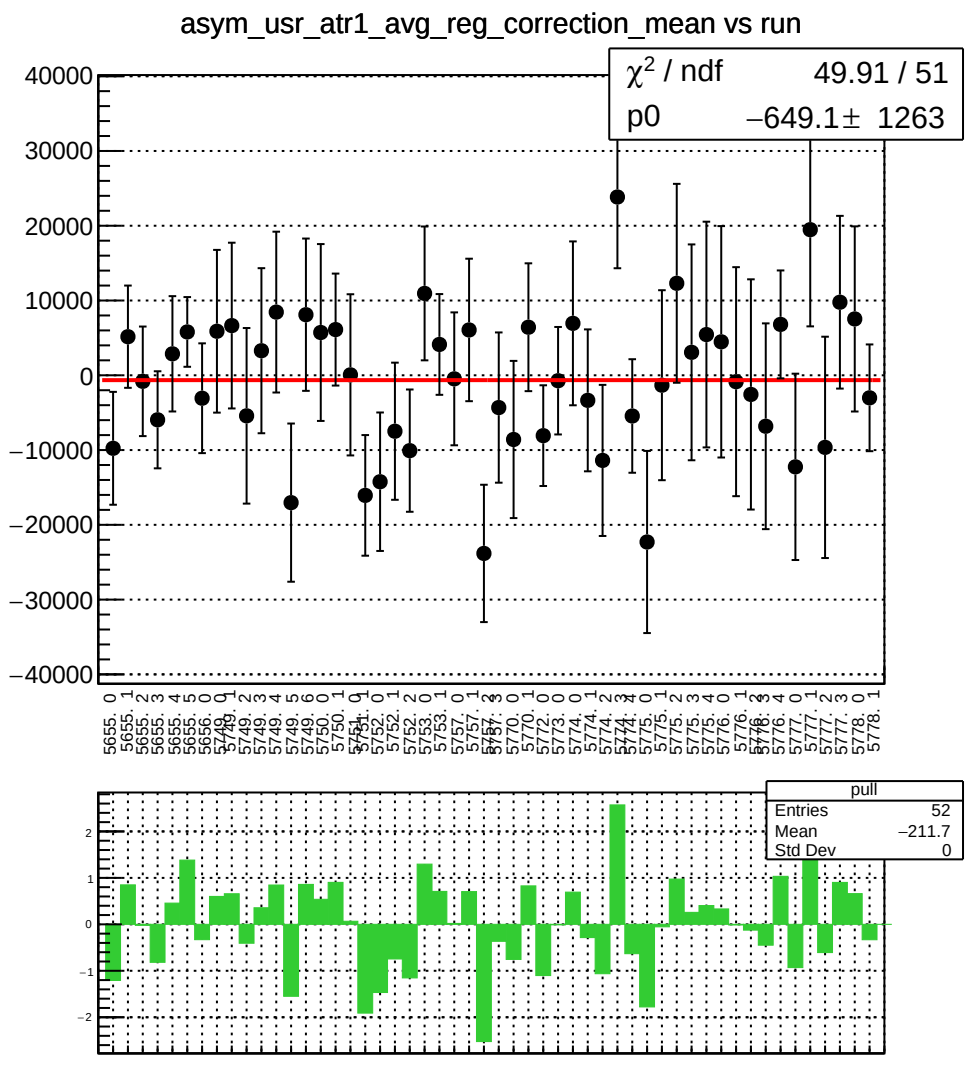
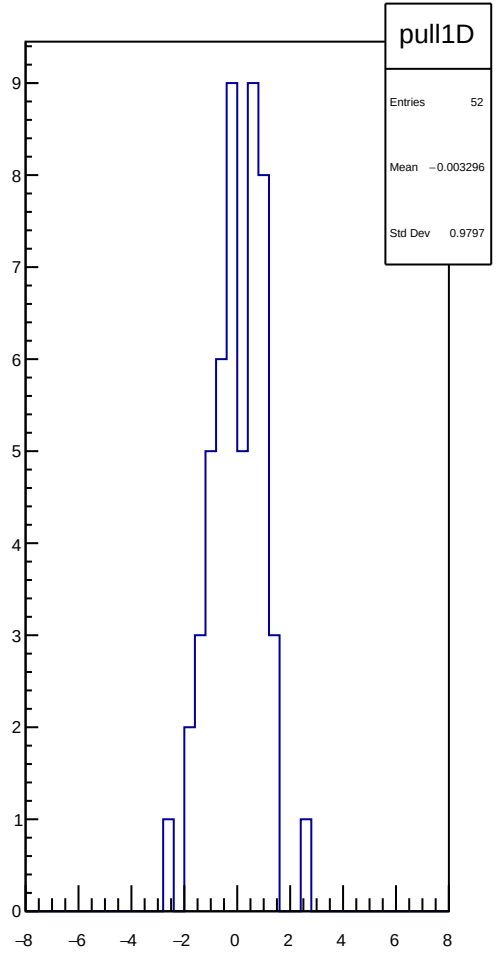
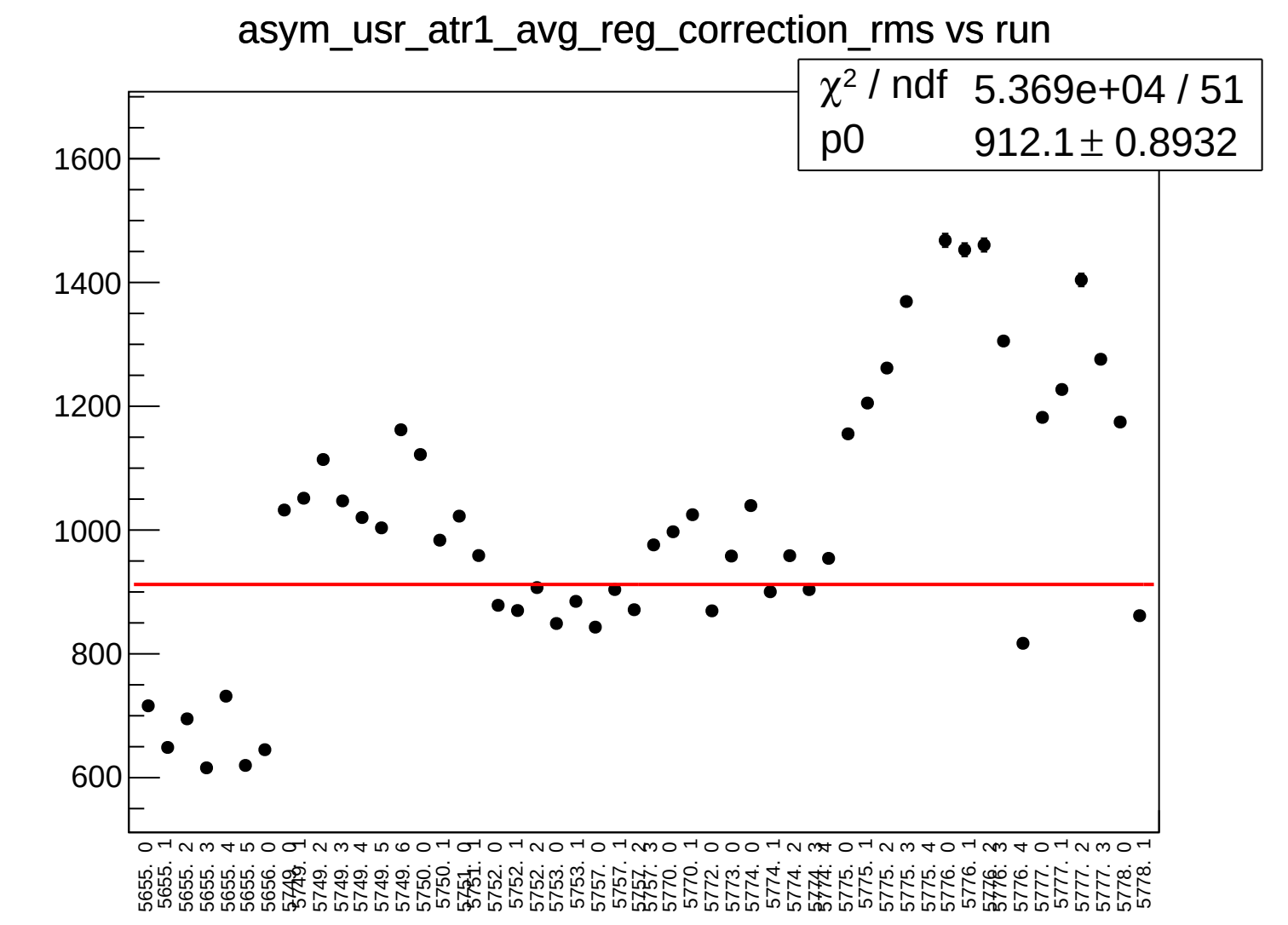
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usr_atr1_avg_reg_correction_mean vs run
χ² / ndf 49.91 / 51
p0 −649.1± 1263
pull
Entries 52
Mean −211.7
Std Dev 0


pull1D
Entries 52
Mean −0.003296
Std Dev 0.9797


asym_usr_atr1_avg_reg_correction_rms vs run
χ² / ndf 5.369e+04 / 51
p0 912.1 ± 0.8932
1600
1400
1200
1000
800
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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5751. 1
5752. 0
5752. 1
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5757. 3
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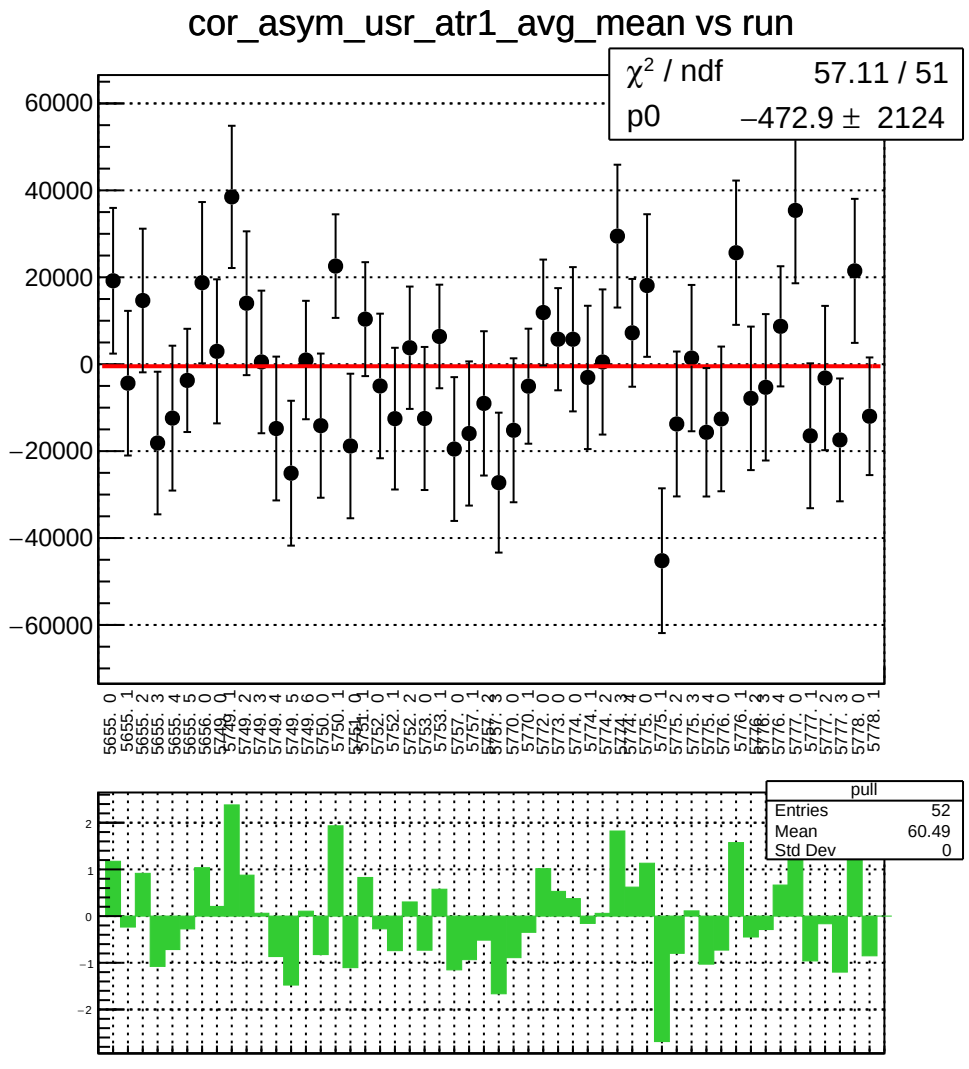
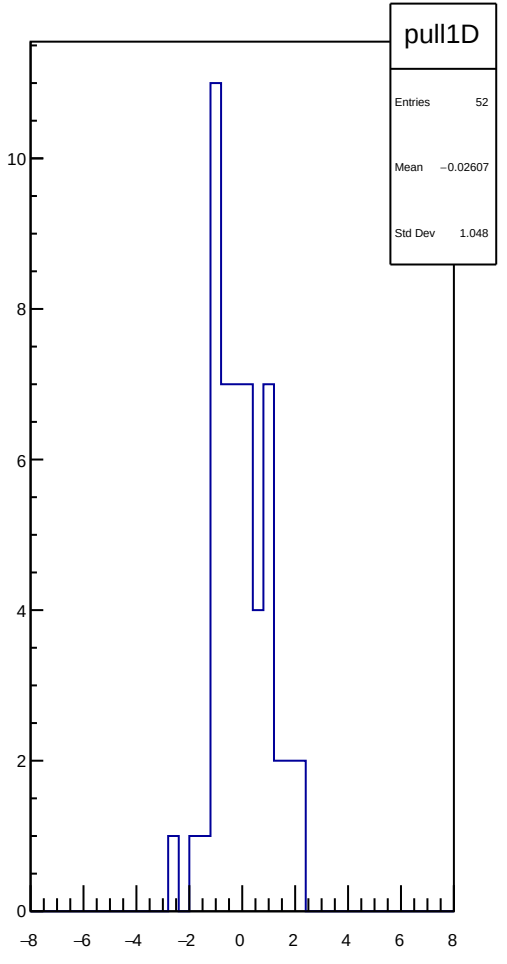
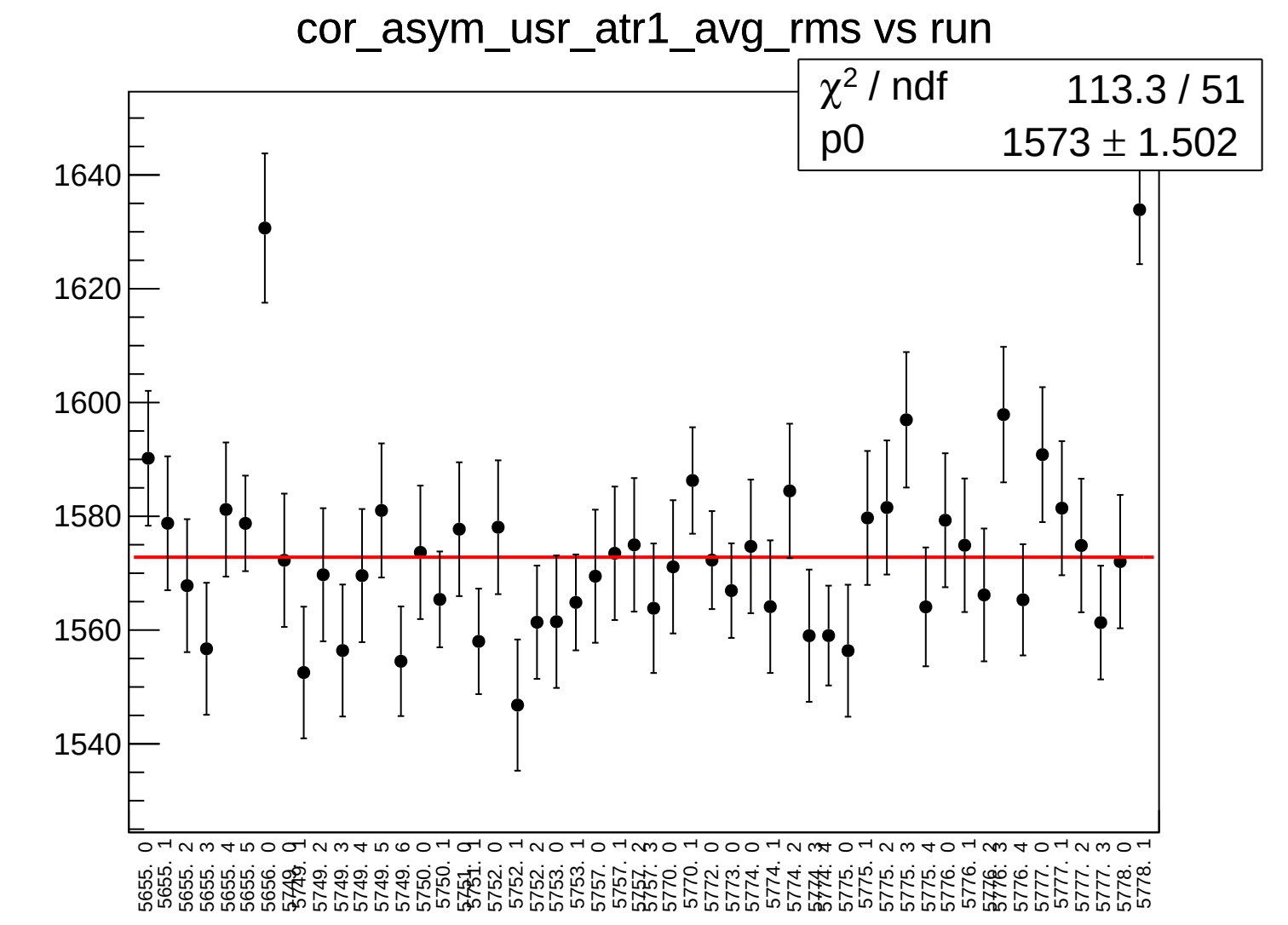
5778. 0
5778. 1


cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 57.11 / 51
p0 −472.9 ± 2124
pull
Entries 52
Mean 60.49
Std Dev 0


pull1D
Entries 52
Mean −0.02607
Std Dev 1.048


cor_asym_usr_atr1_avg_rms vs run
χ^2 / ndf 113.3 / 51
p0 1573 ± 1.502
1640
1620
1600
1580
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5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
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5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
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5753. 0
5753. 1
5757. 0
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5757. 3
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5774. 1
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5774. 4
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5777. 0
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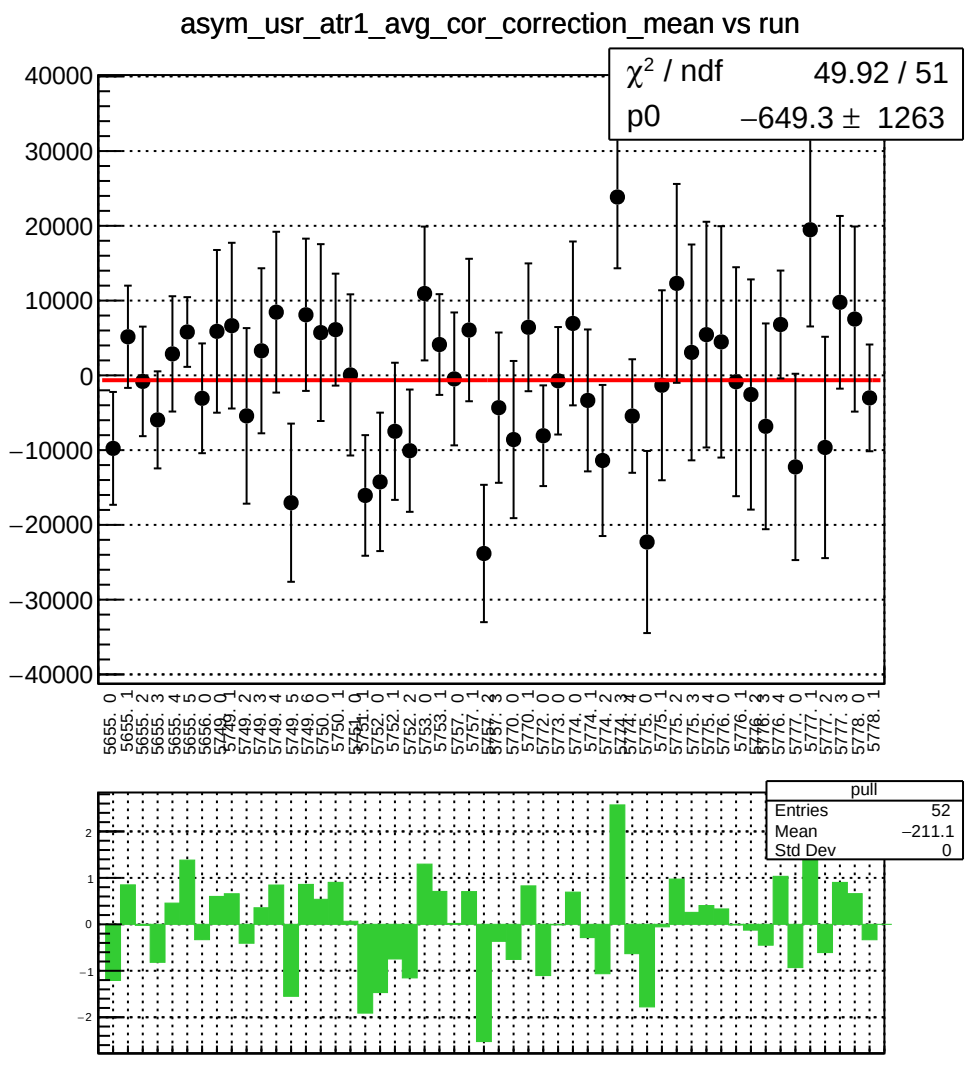
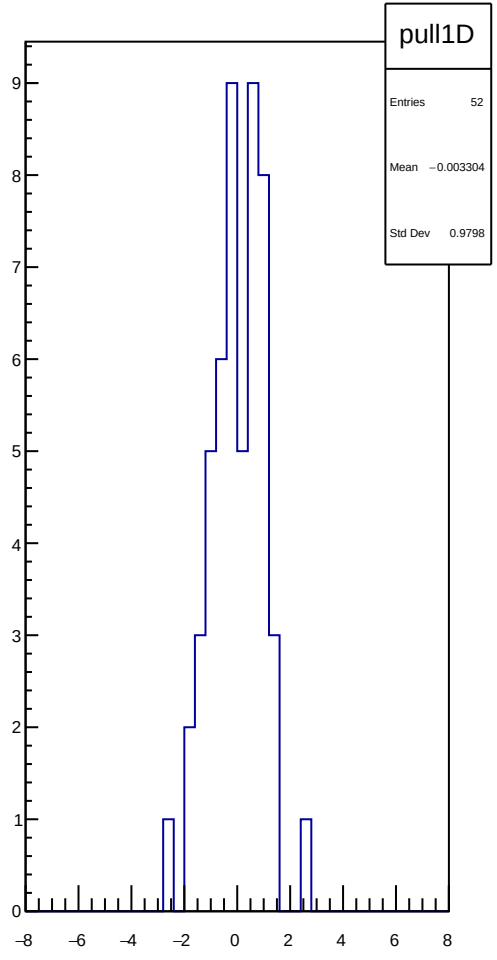
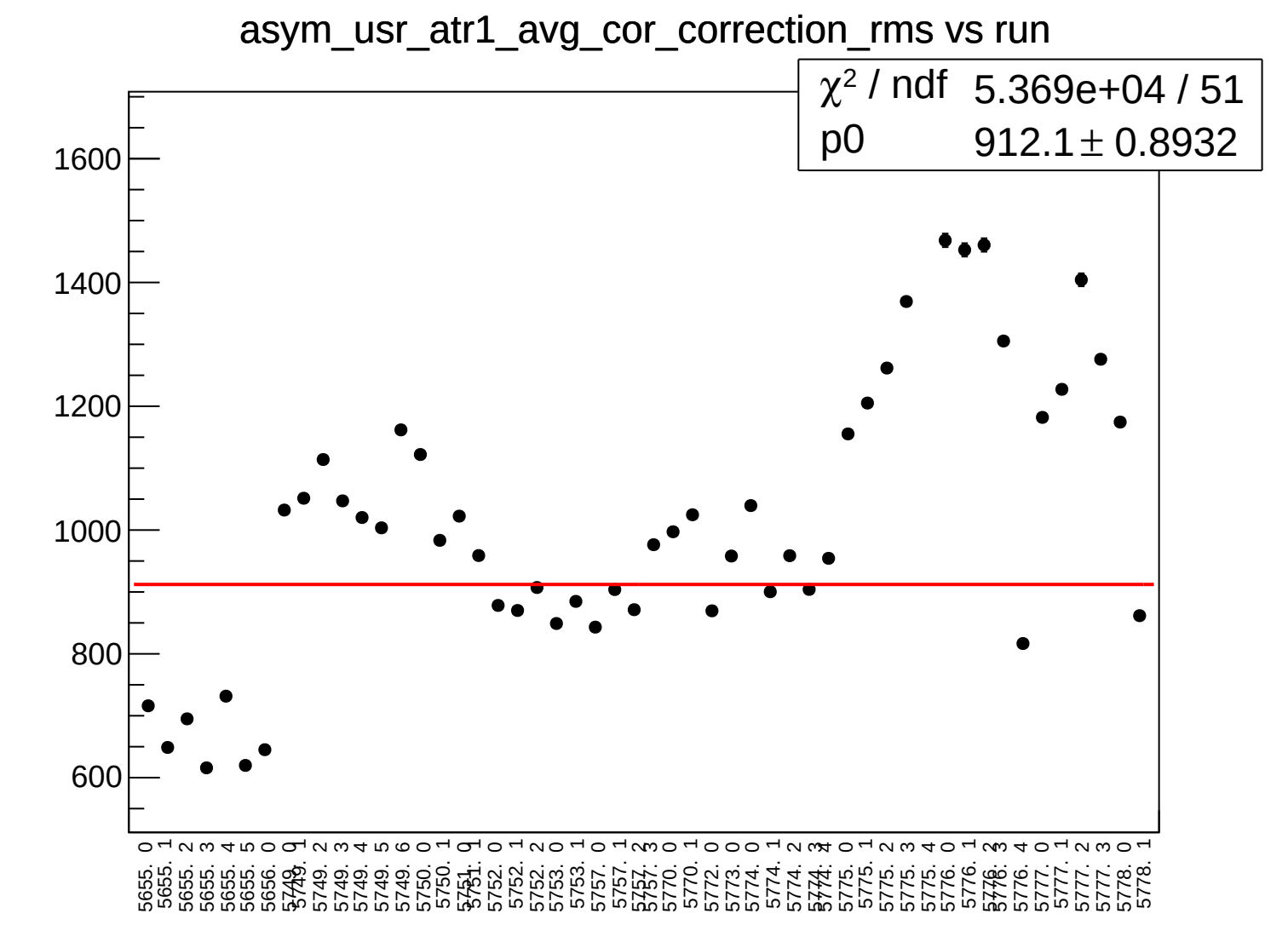

asym_usr_atr1_avg_cor_correction_mean vs run
χ² / ndf 49.92 / 51
p0 −649.3 ± 1263
pull
Entries 52
Mean −211.1
Std Dev 0


pull1D
Entries 52
Mean −0.003304
Std Dev 0.9798


asym_usr_atr1_avg_cor_correction_rms vs run
χ² / ndf 5.369e+04 / 51
p0 912.1 ± 0.8932
1600
1400
1200
1000
800
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
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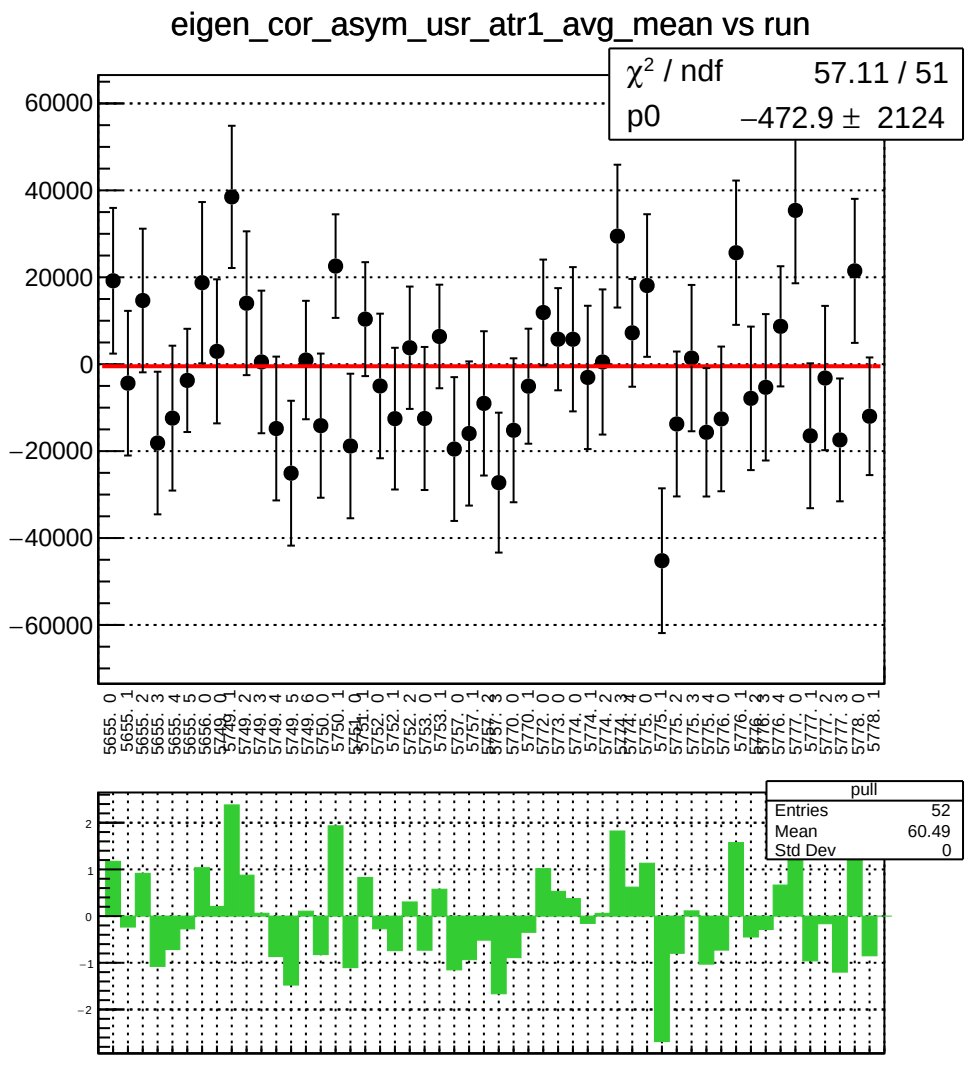
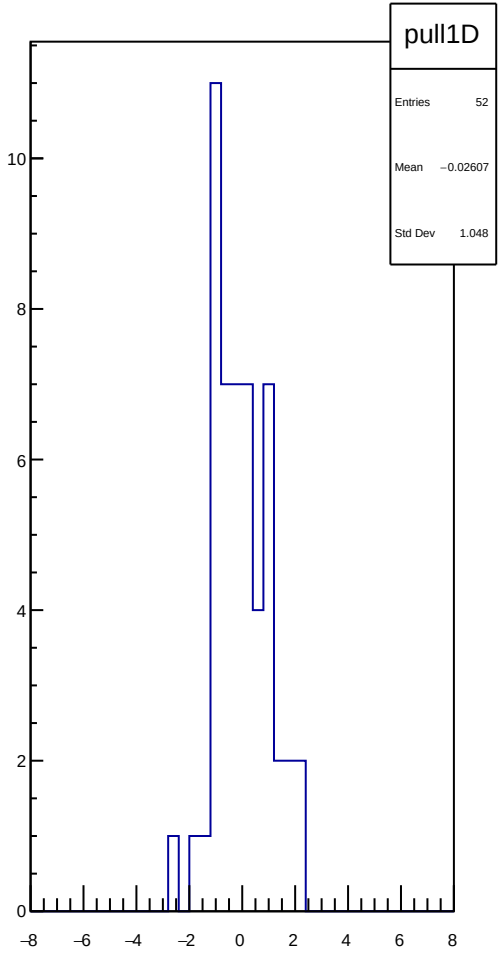
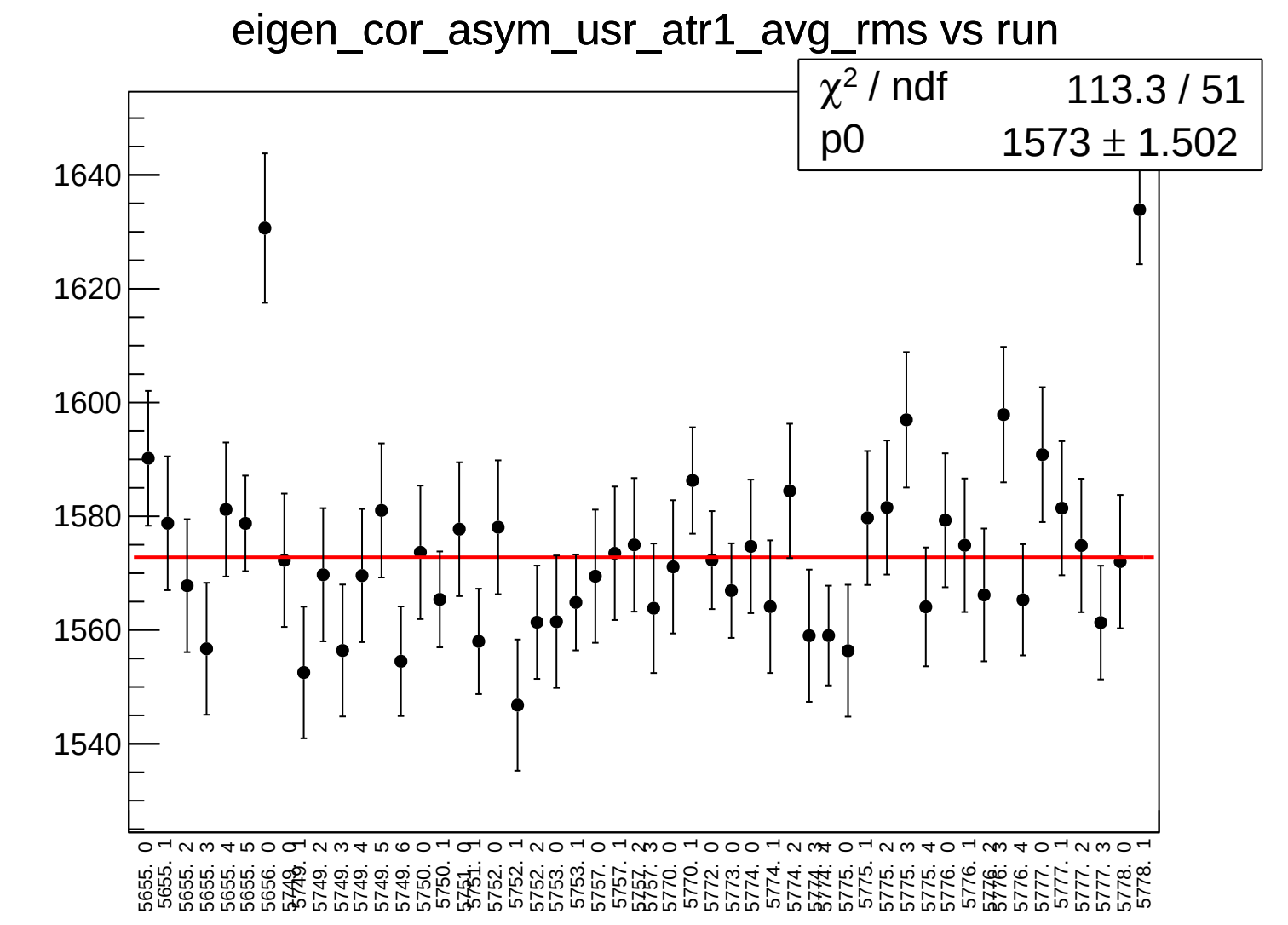

eigen_cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 57.11 / 51
p0 −472.9 ± 2124
pull
Entries 52
Mean 60.49
Std Dev 0


pull1D
Entries 52
Mean −0.02607
Std Dev 1.048


eigen_cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 113.3 / 51
p0 1573 ± 1.502
1640
1620
1600
1580
1560
1540
5655. 0
5655. 1
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5655. 3
5655. 4
5655. 5
5656. 0
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5777. 2
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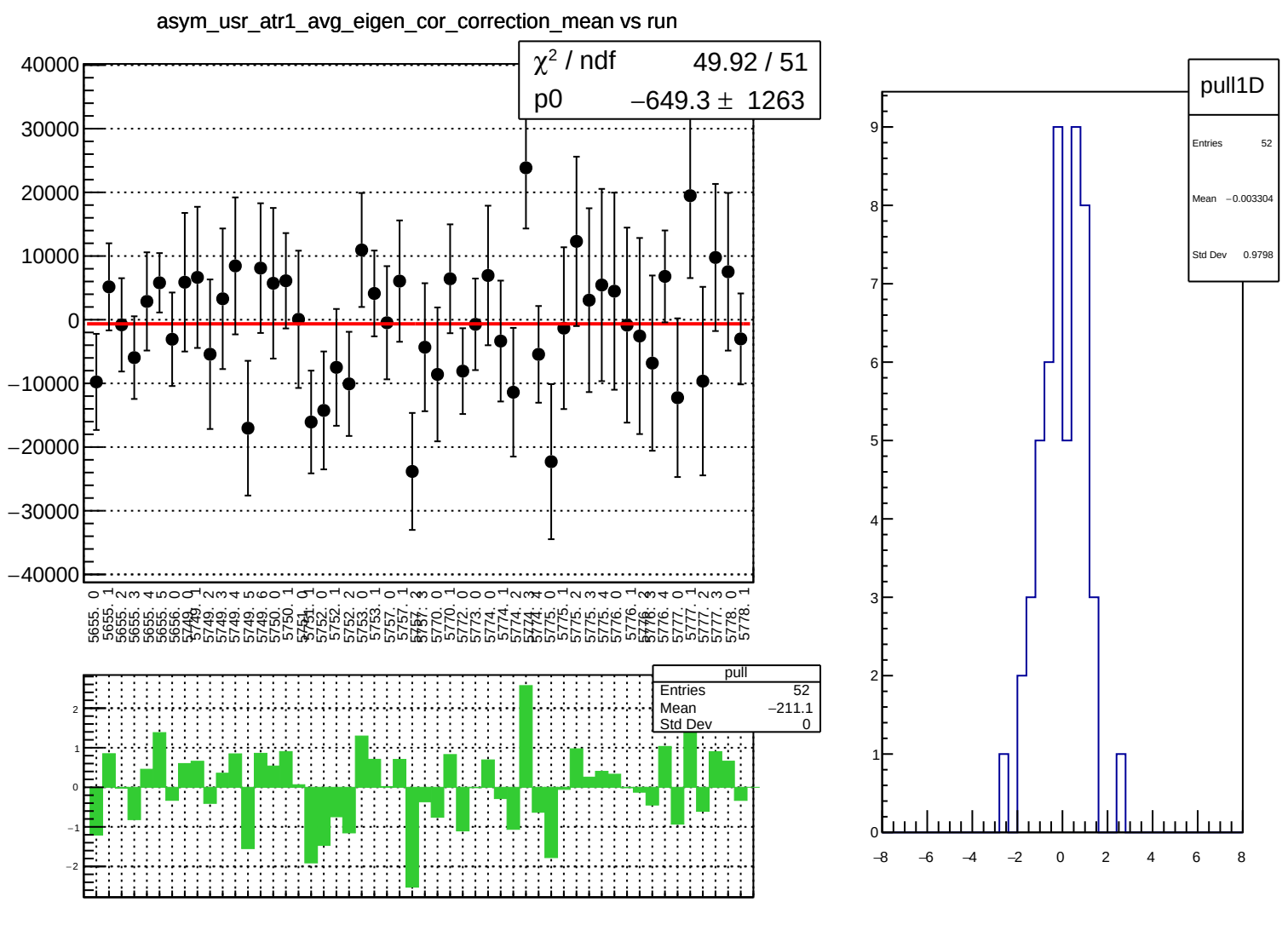
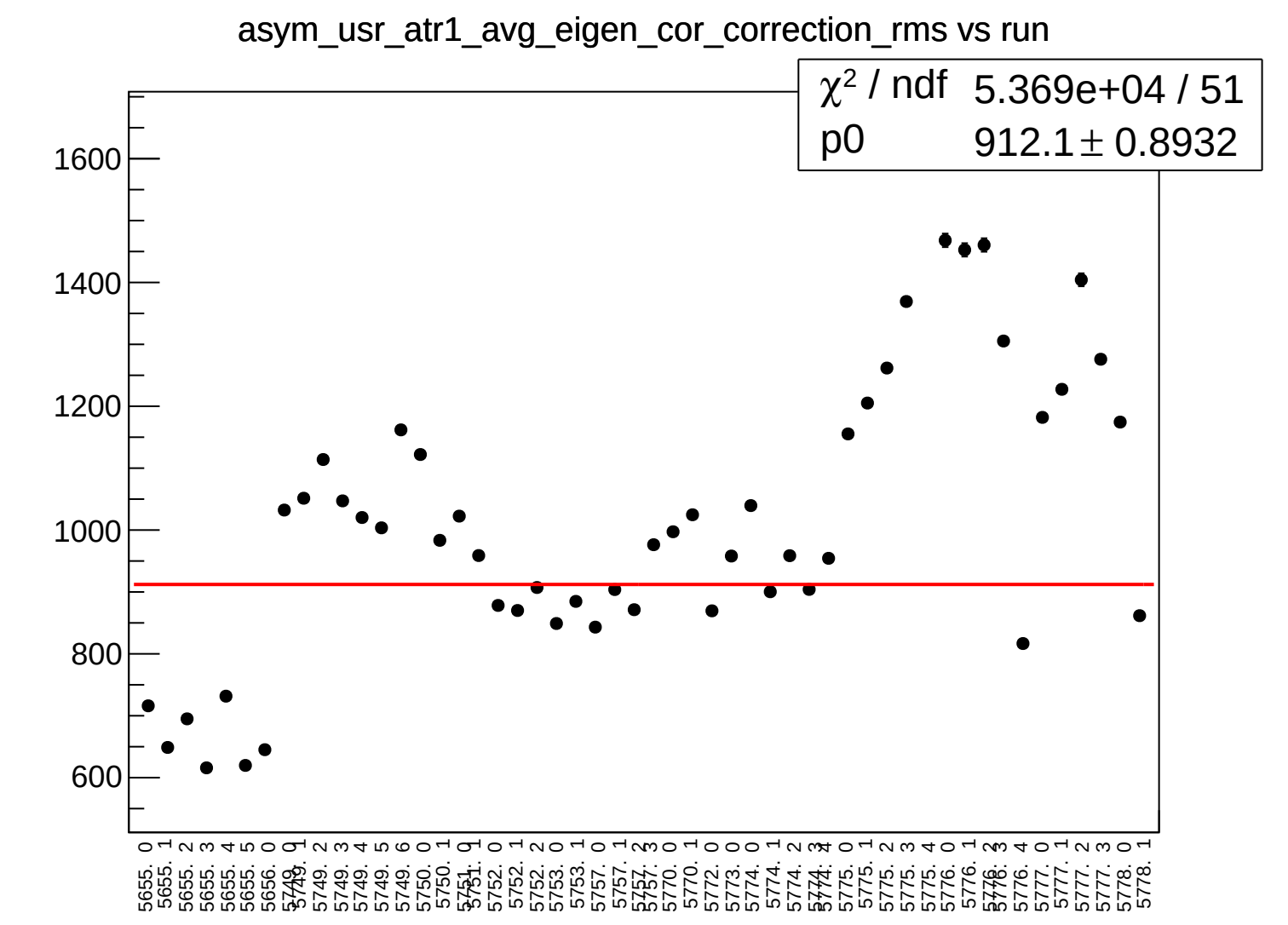
5778. 0
5778. 1


asym_usr_atr1_avg_eigen_cor_correction_mean vs run
χ² / ndf 49.92 / 51
p0 −649.3 ± 1263
pull
Entries 52
Mean −211.1
Std Dev 0
pull1D
Entries 52
Mean −0.003304
Std Dev 0.9798


asym_usr_atr1_avg_eigen_cor_correction_rms vs run
χ² / ndf 5.369e+04 / 51
p0 912.1 ± 0.8932
1600
1400
1200
1000
800
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
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5751. 1
5752. 0
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5757. 0
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5773. 0
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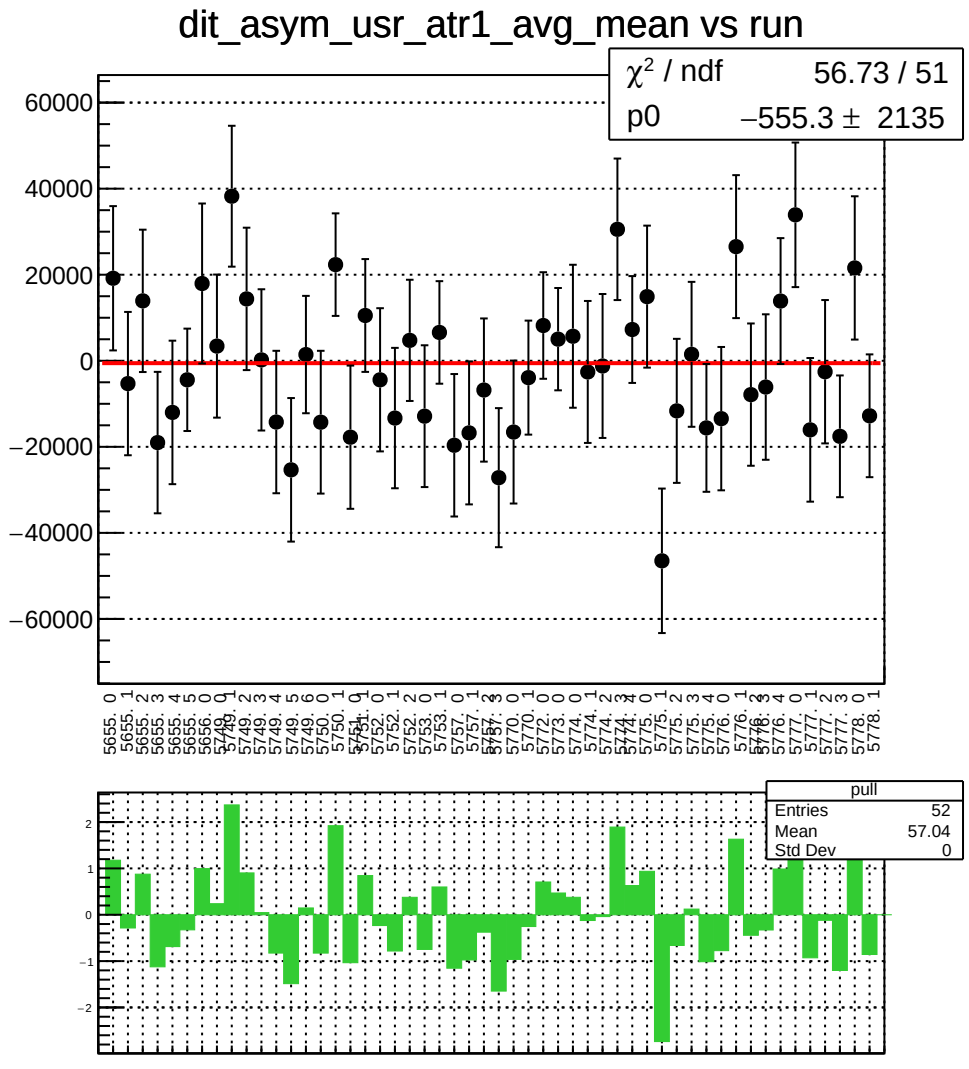
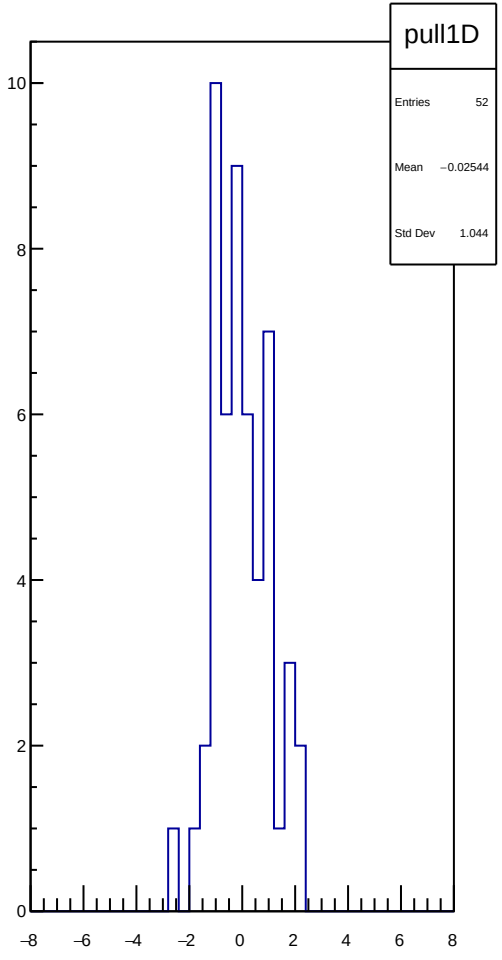
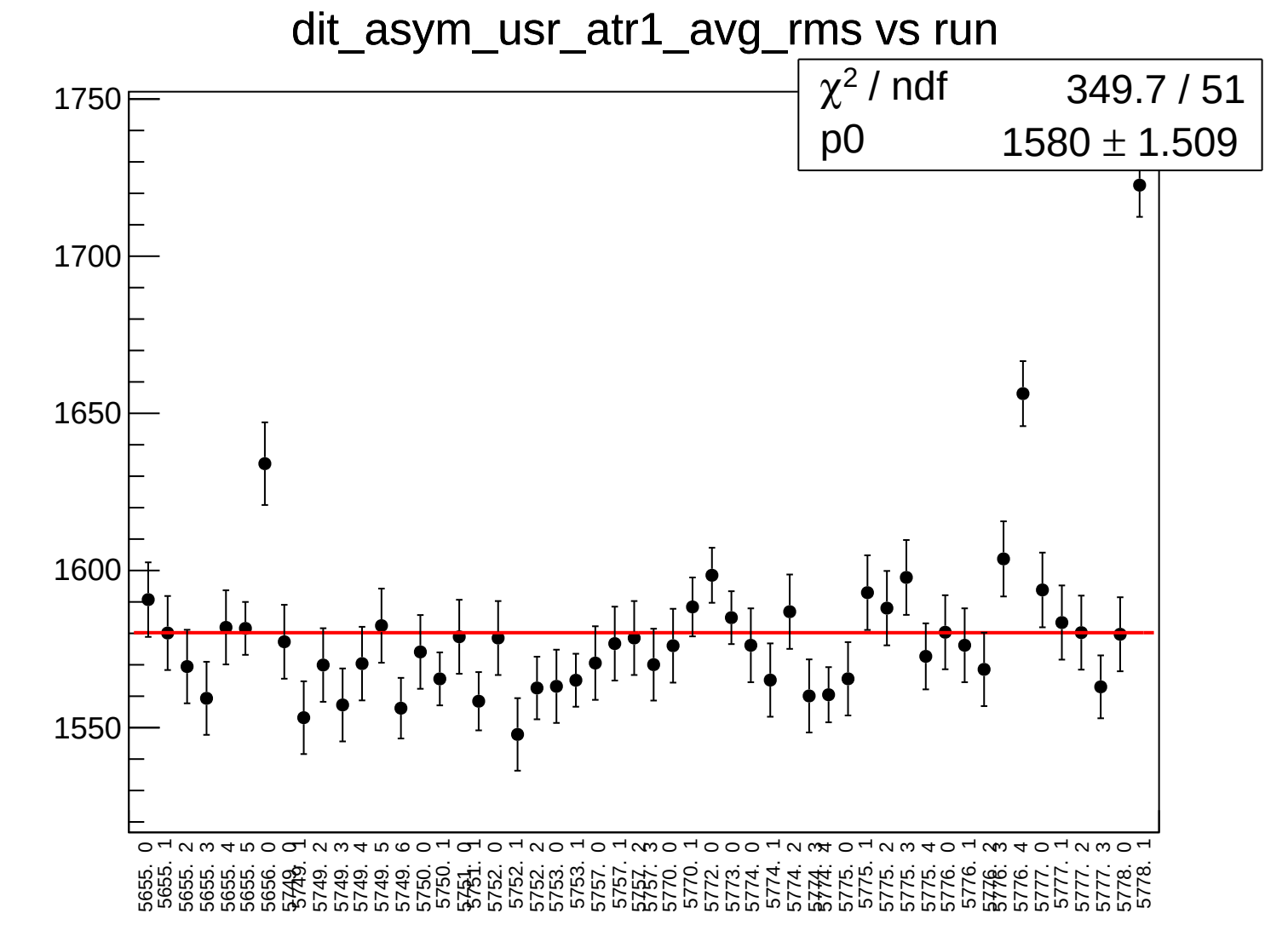
5778. 1


dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 56.73 / 51
p0 −555.3 ± 2135
pull
Entries 52
Mean 57.04
Std Dev 0


pull1D
Entries 52
Mean −0.02544
Std Dev 1.044


dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 349.7 / 51
p0 1580 ± 1.509
1750
1700
1650
1600
1550
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
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5751. 0
5751. 1
5752. 0
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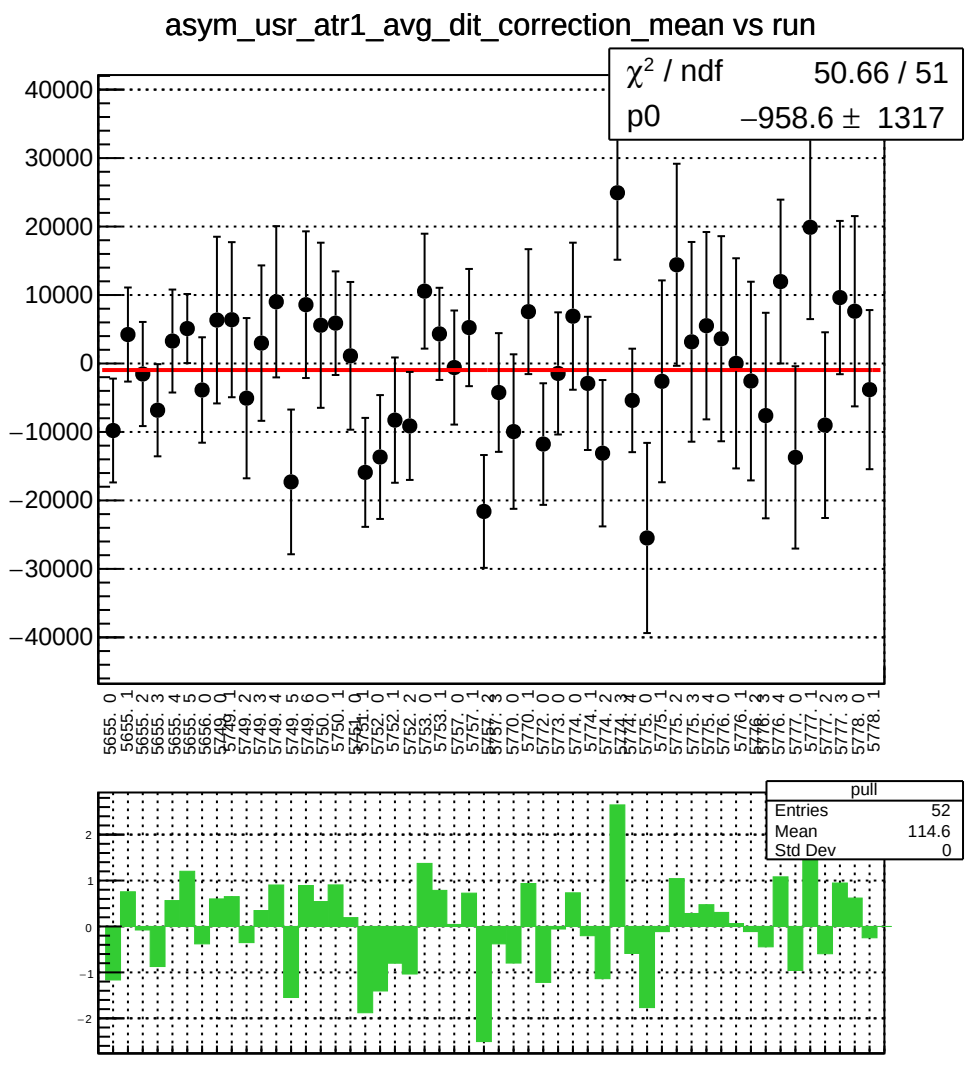
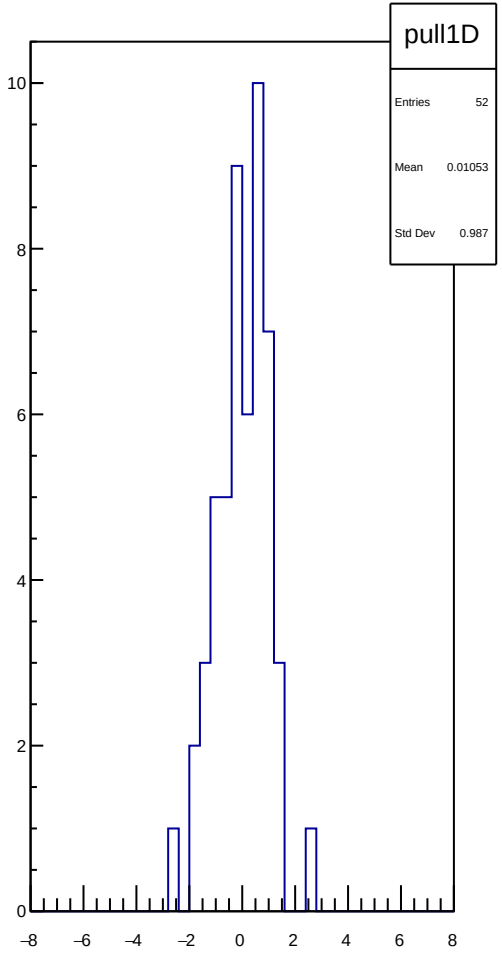
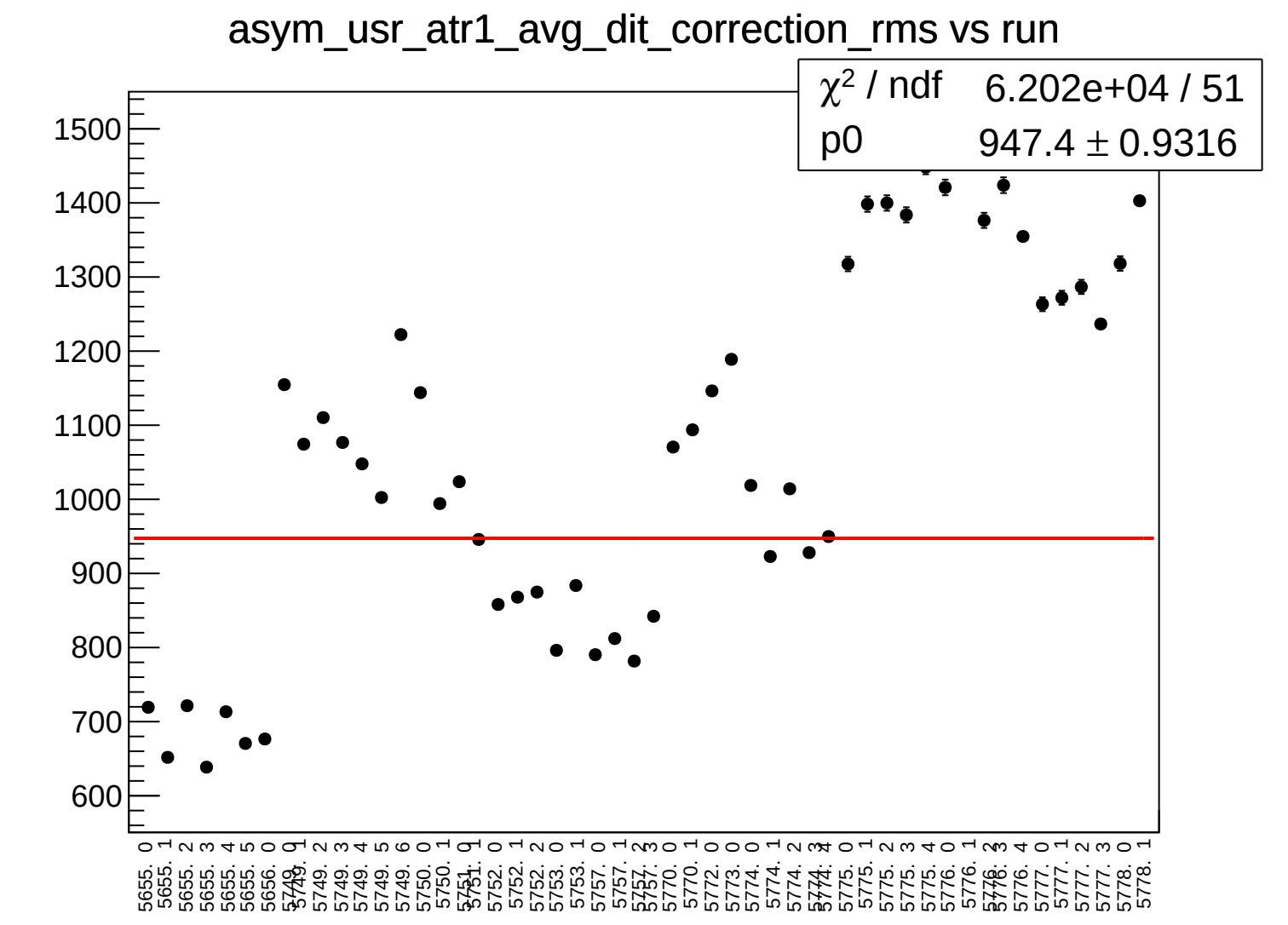

asym_usr_atr1_avg_dit_correction_mean vs run
χ² / ndf 50.66 / 51
p0 −958.6 ± 1317
pull
Entries 52
Mean 114.6
Std Dev 0


pull1D
Entries 52
Mean 0.01053
Std Dev 0.987


asym_usr_atr1_avg_dit_correction_rms vs run
χ² / ndf 6.202e+04 / 51
p0 947.4 ± 0.9316
1500
1400
1300
1200
1100
1000
900
800
700
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
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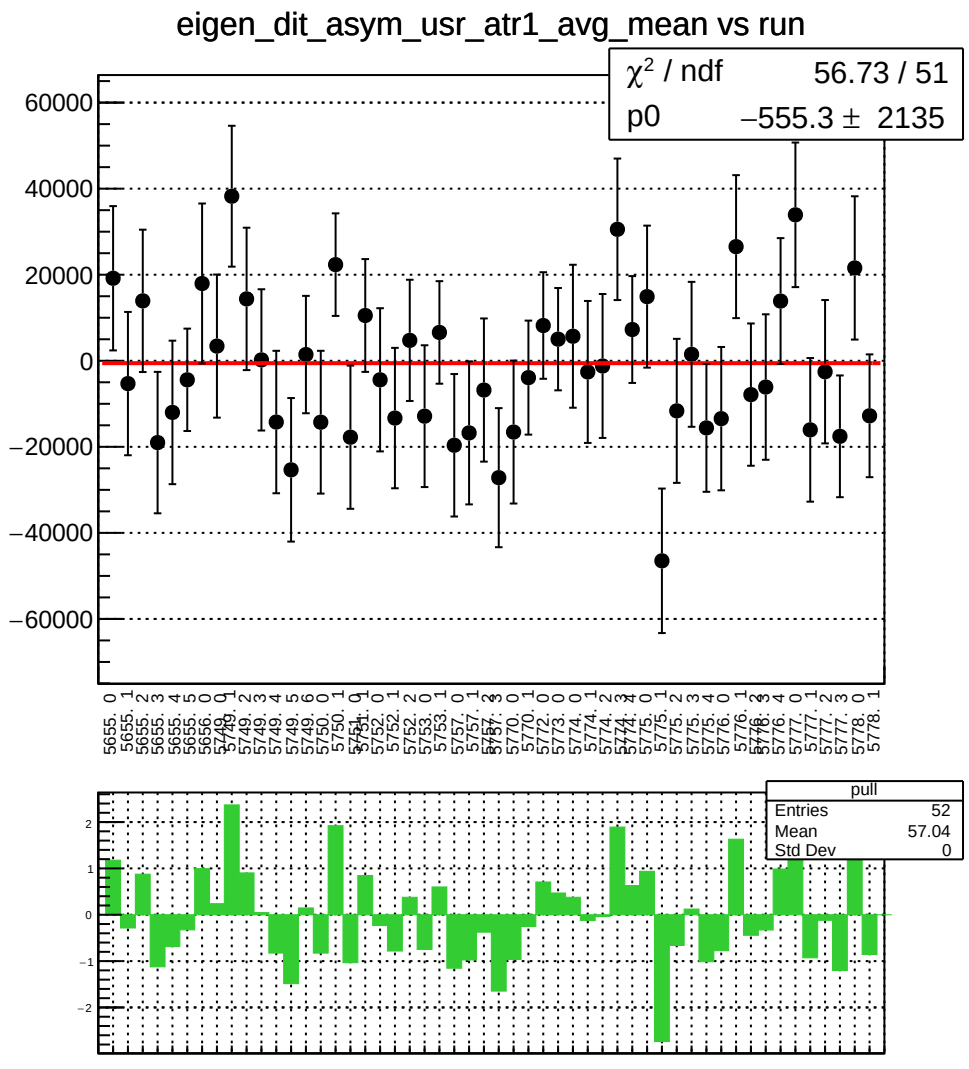
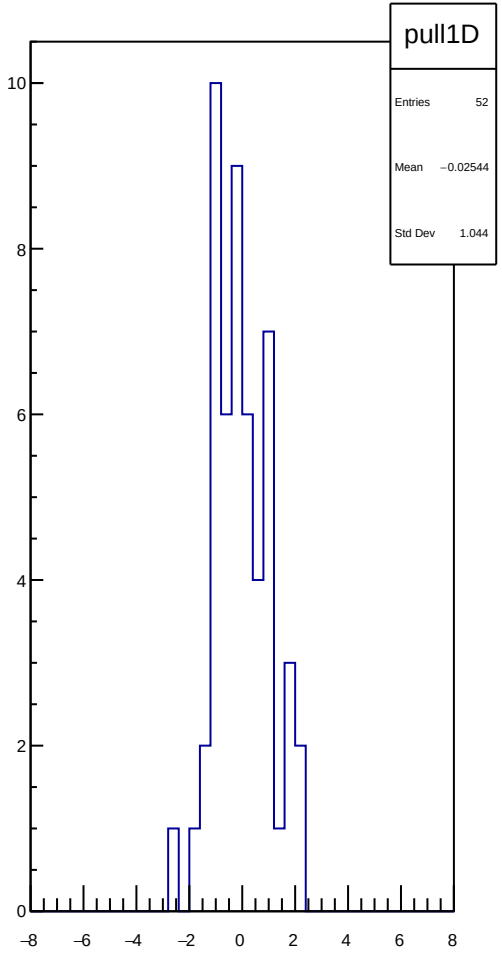
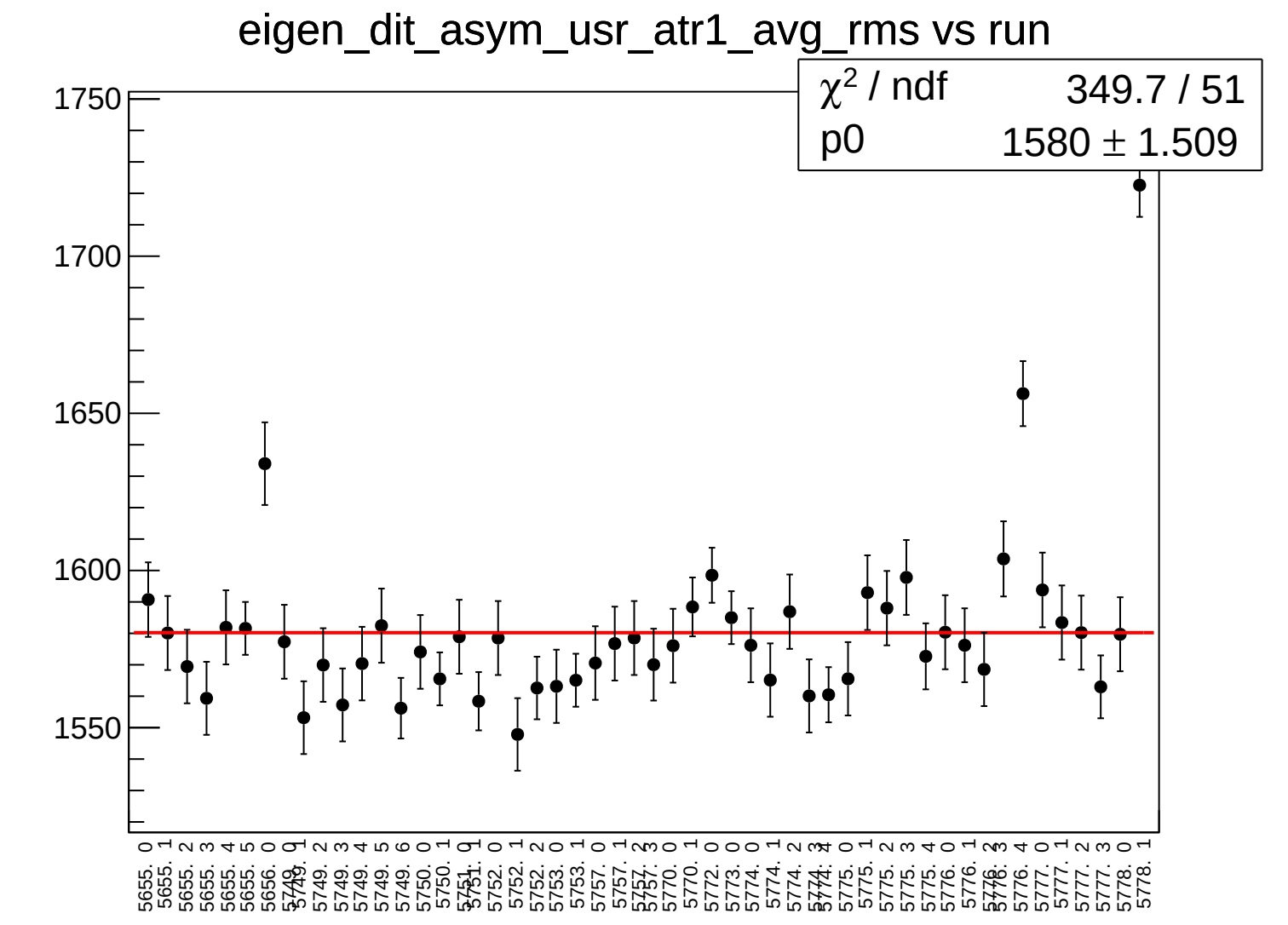

eigen_dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 56.73 / 51
p0 −555.3 ± 2135
pull
Entries 52
Mean 57.04
Std Dev 0


pull1D
Entries 52
Mean −0.02544
Std Dev 1.044


eigen_dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 349.7 / 51
p0 1580 ± 1.509
1750
1700
1650
1600
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5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
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5751. 1
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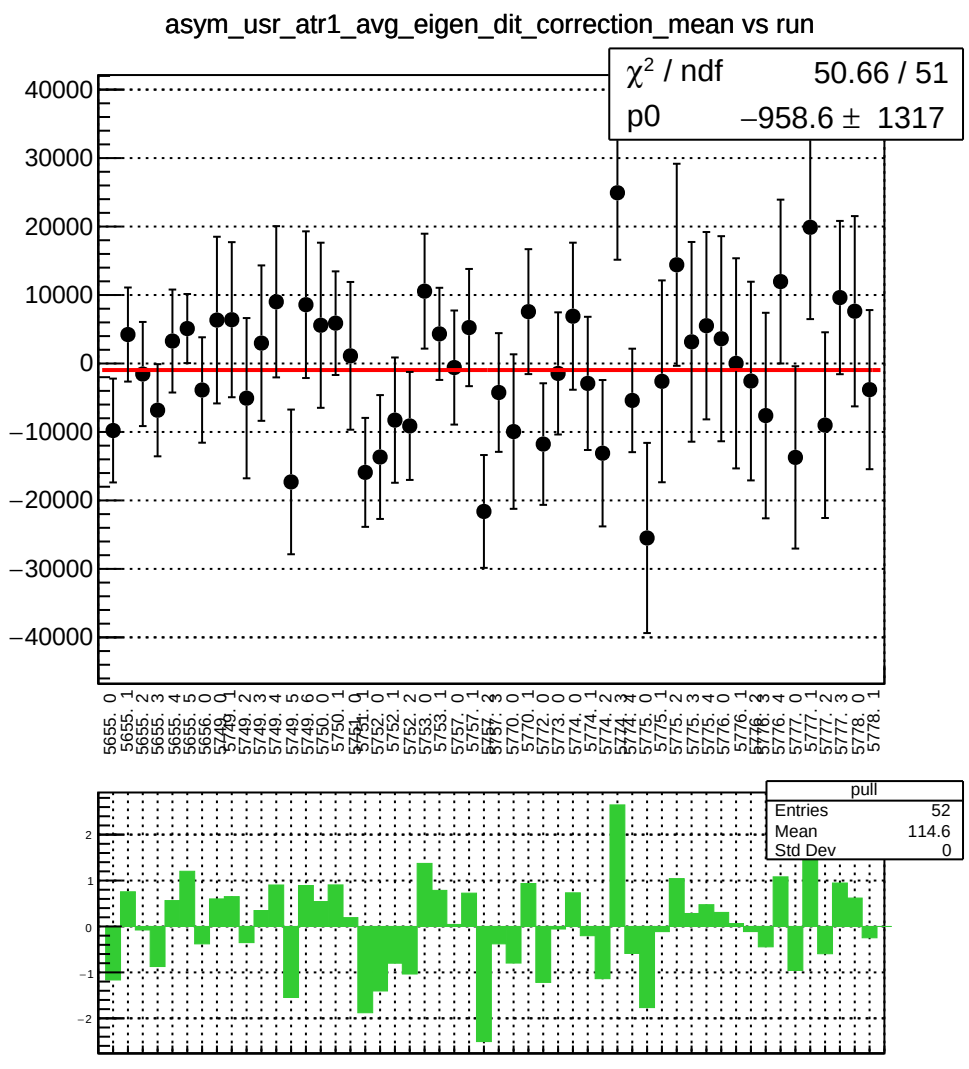
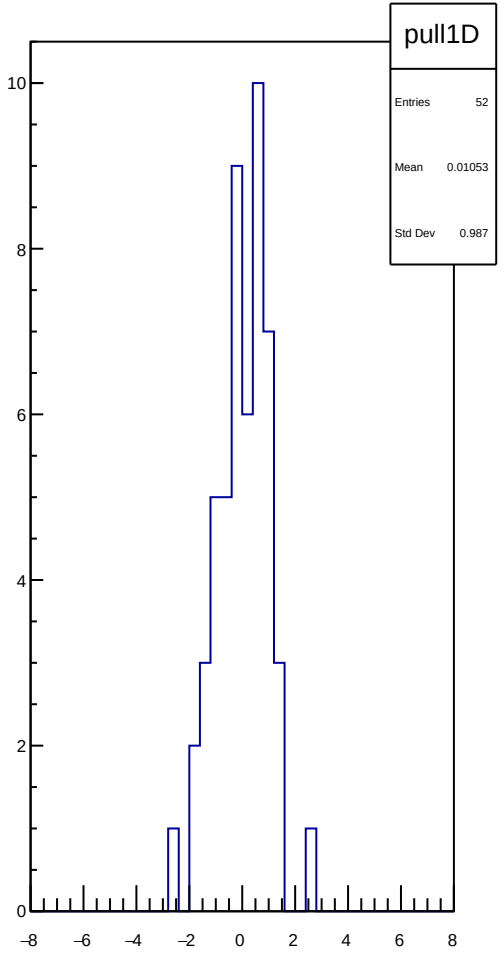
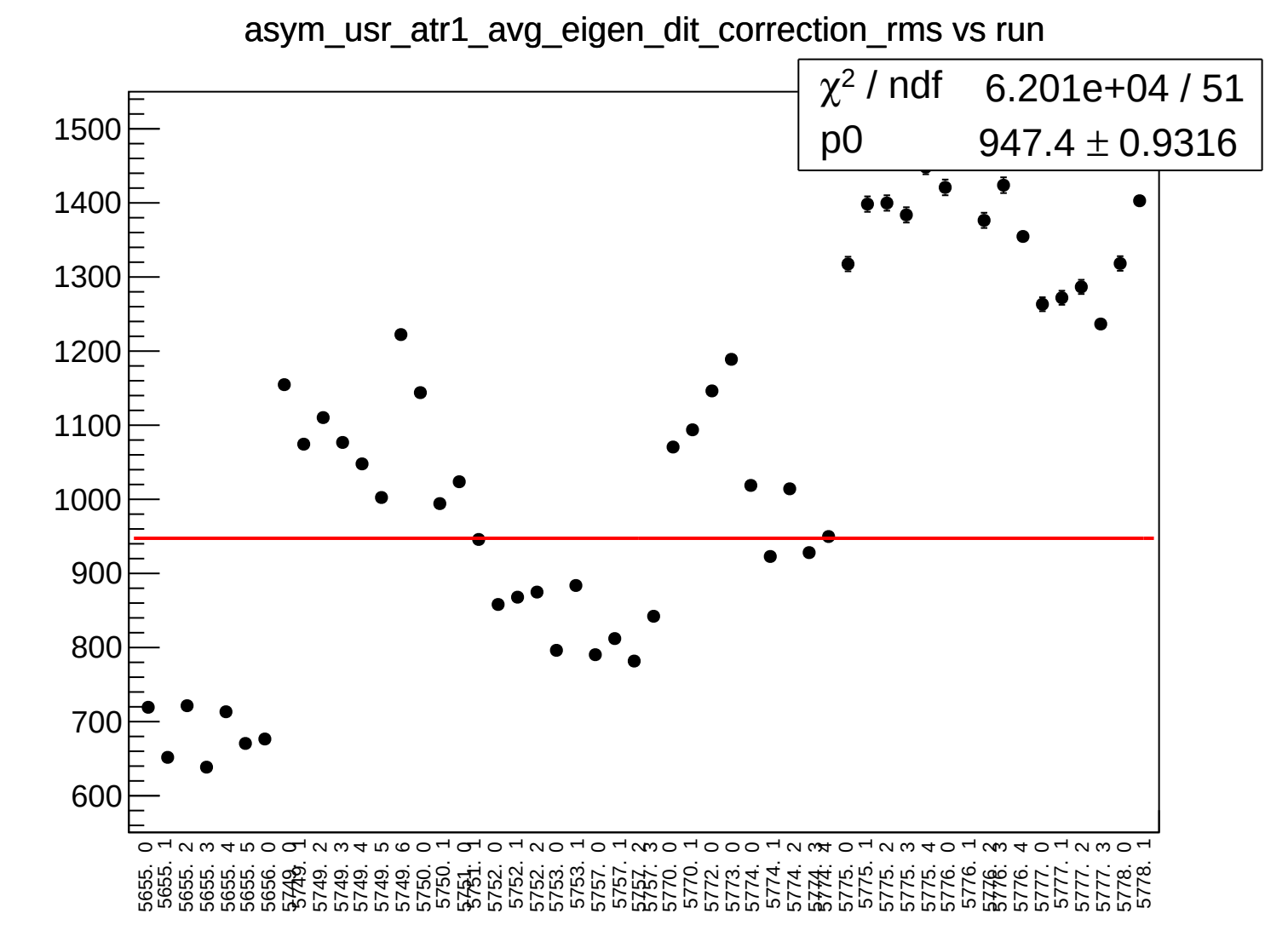
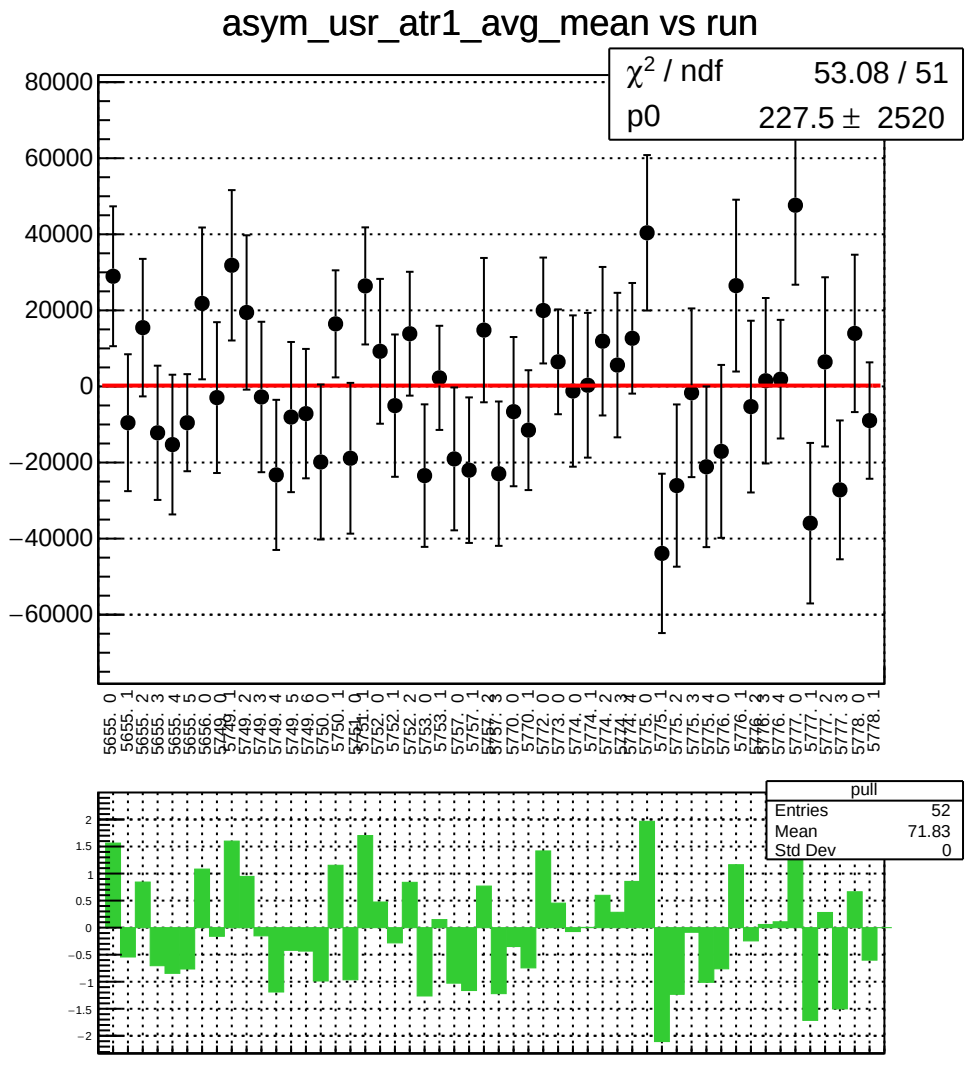
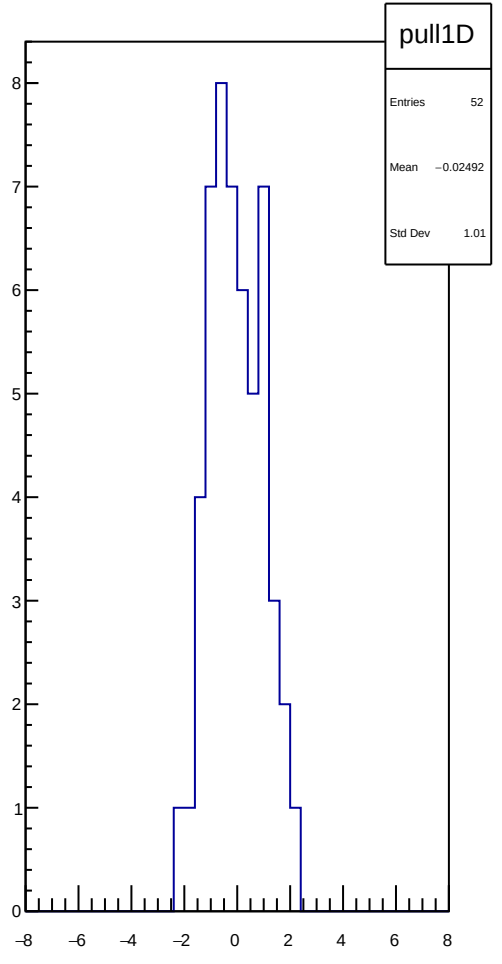
5778. 1

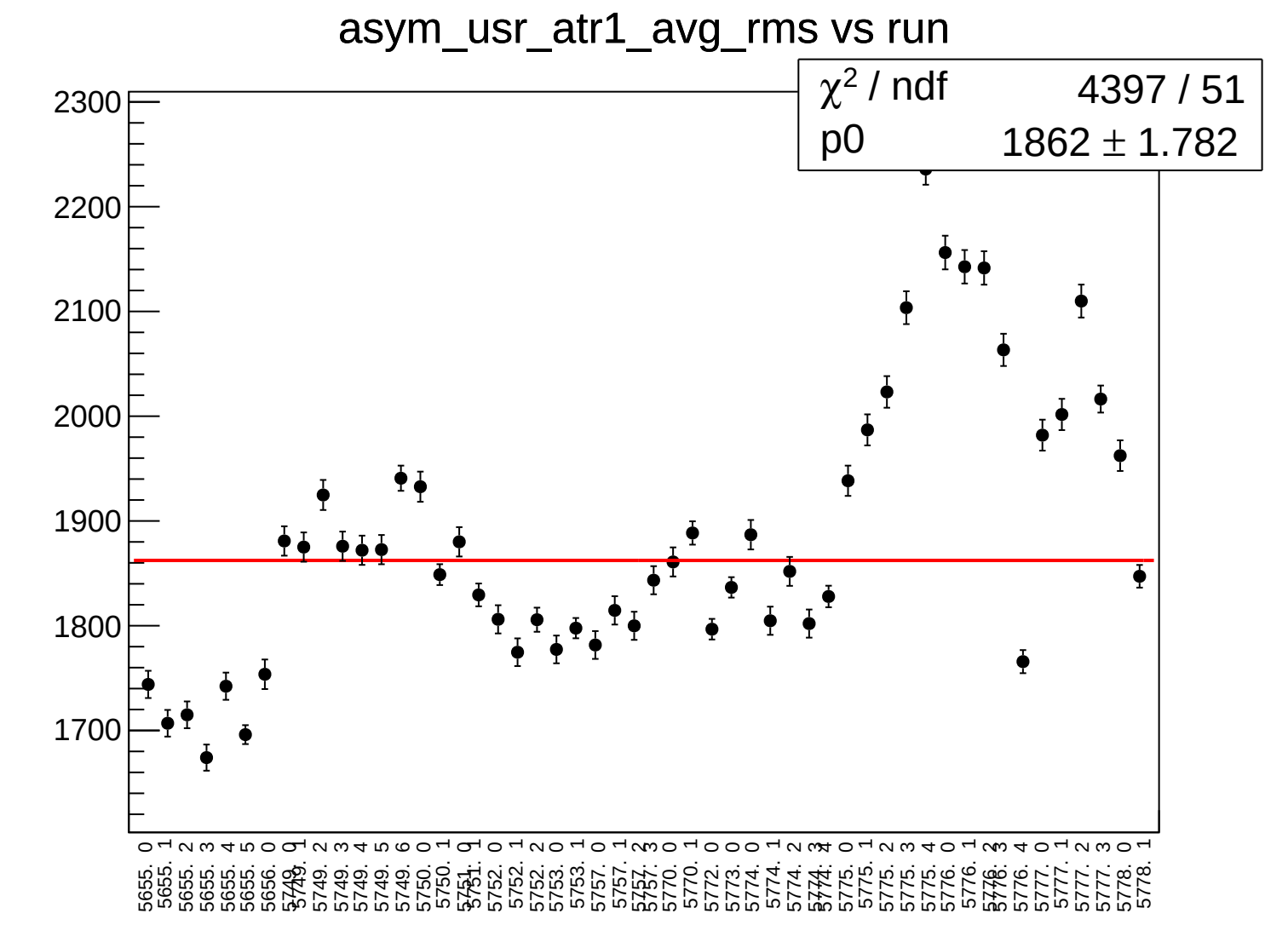

asym_usr_atr1_avg_eigen_dit_correction_mean vs run
χ² / ndf 50.66 / 51
p0 −958.6 ± 1317
pull
Entries 52
Mean 114.6
Std Dev 0

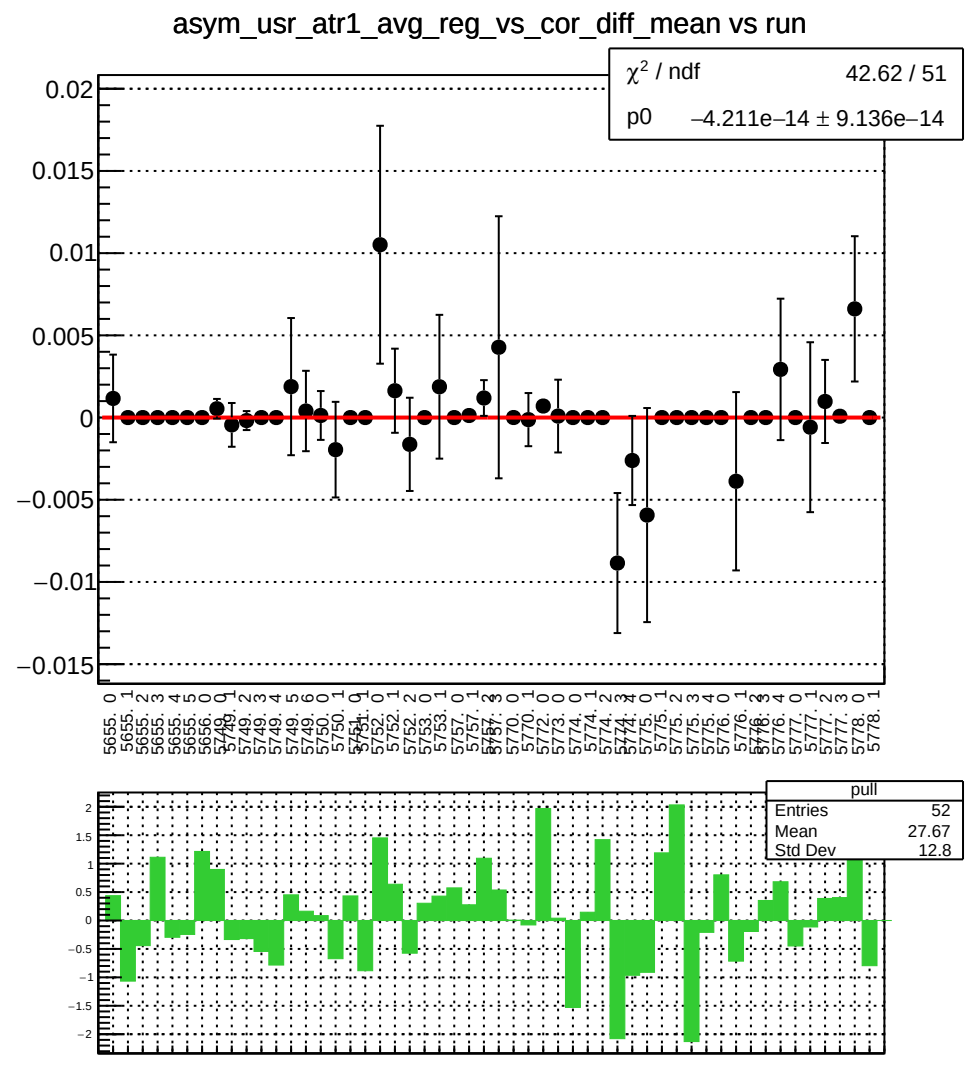

pull1D
Entries 52
Mean 0.01053
Std Dev 0.987

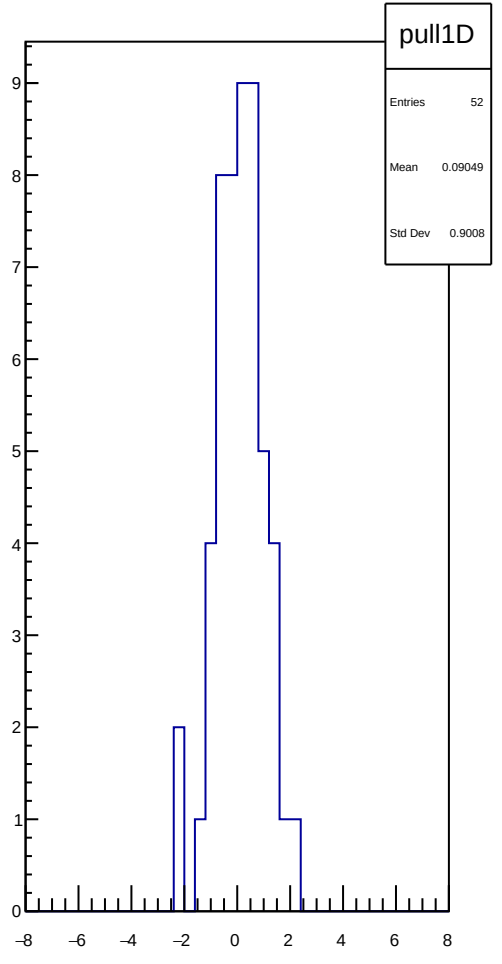

asym_usr_atr1_avg_eigen_dit_correction_rms vs run
χ² / ndf 6.201e+04 / 51
p0 947.4 ± 0.9316
1500
1400
1300
1200
1100
1000
900
800
700
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

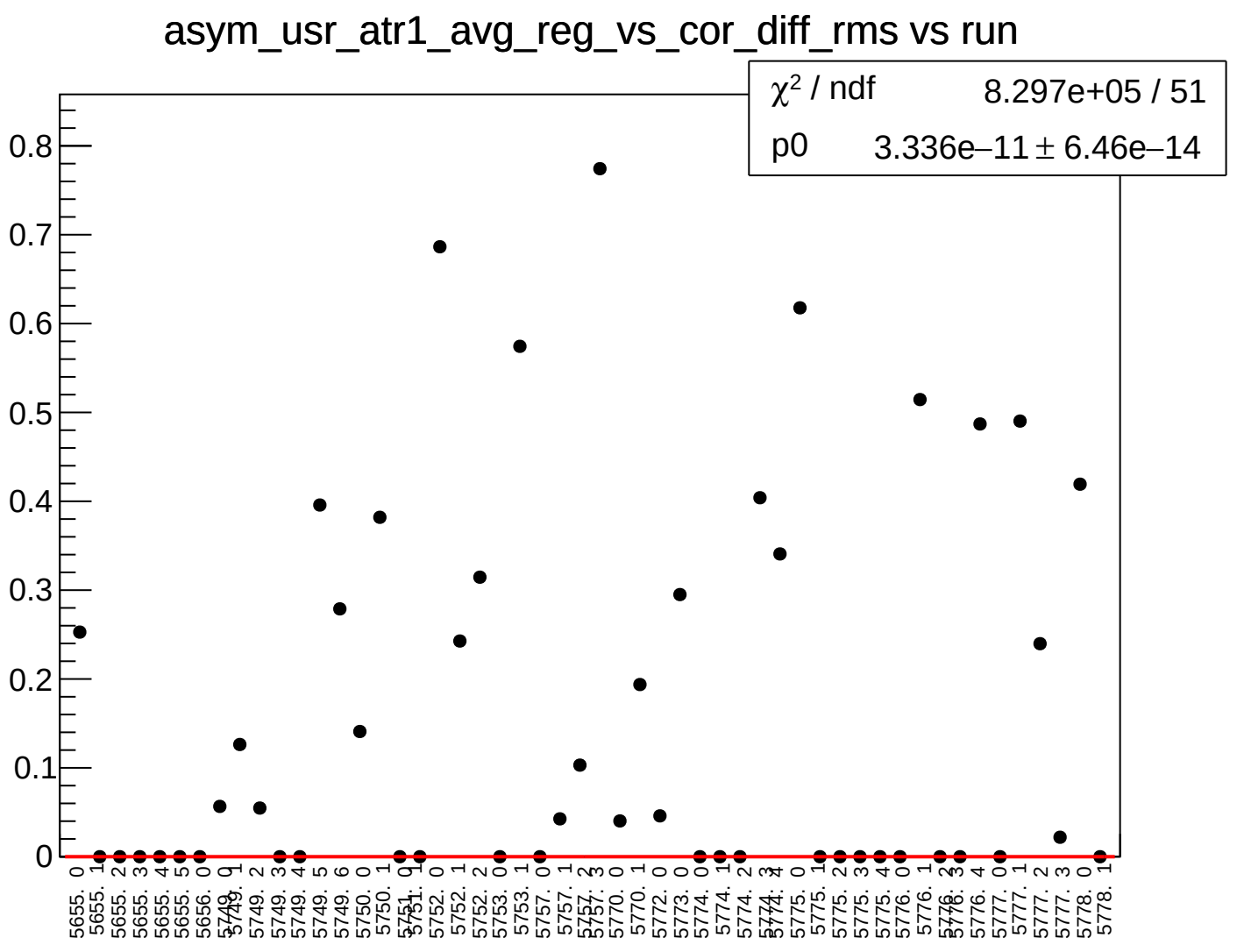

asym_usr_atr1_avg_mean vs run
χ² / ndf 53.08 / 51
p0 227.5 ± 2520
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 71.83
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

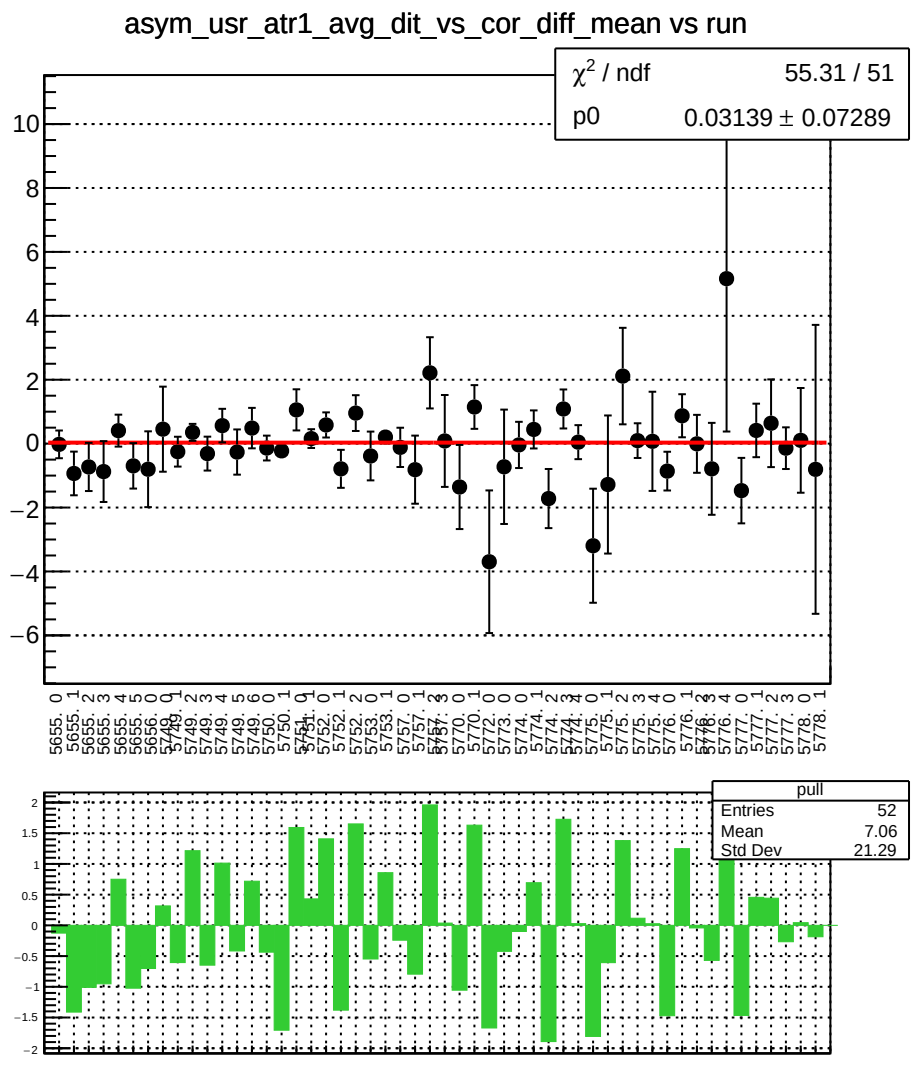

pull1D
Entries 52
Mean −0.02492
Std Dev 1.01
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

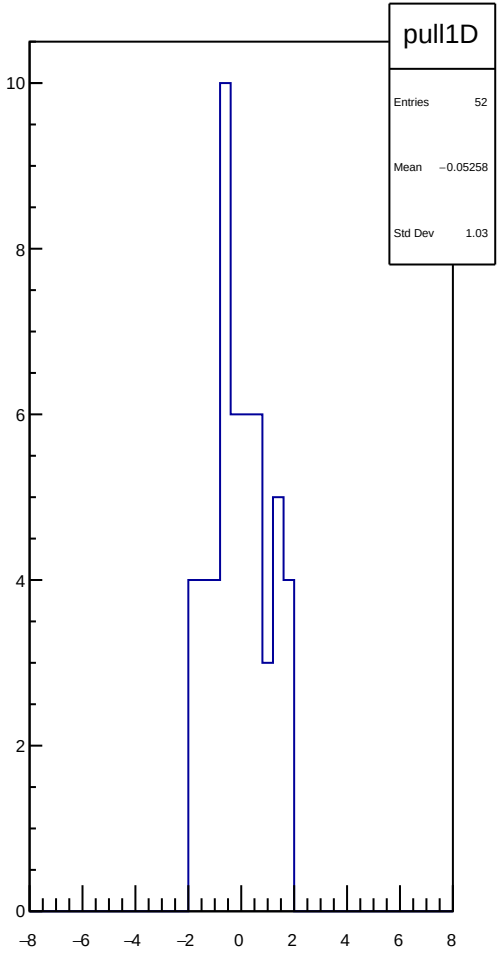

asym_usr_atr1_avg_rms vs run
χ² / ndf 4397 / 51
p0 1862 ± 1.782
2300
2200
2100
2000
1900
1800
1700
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

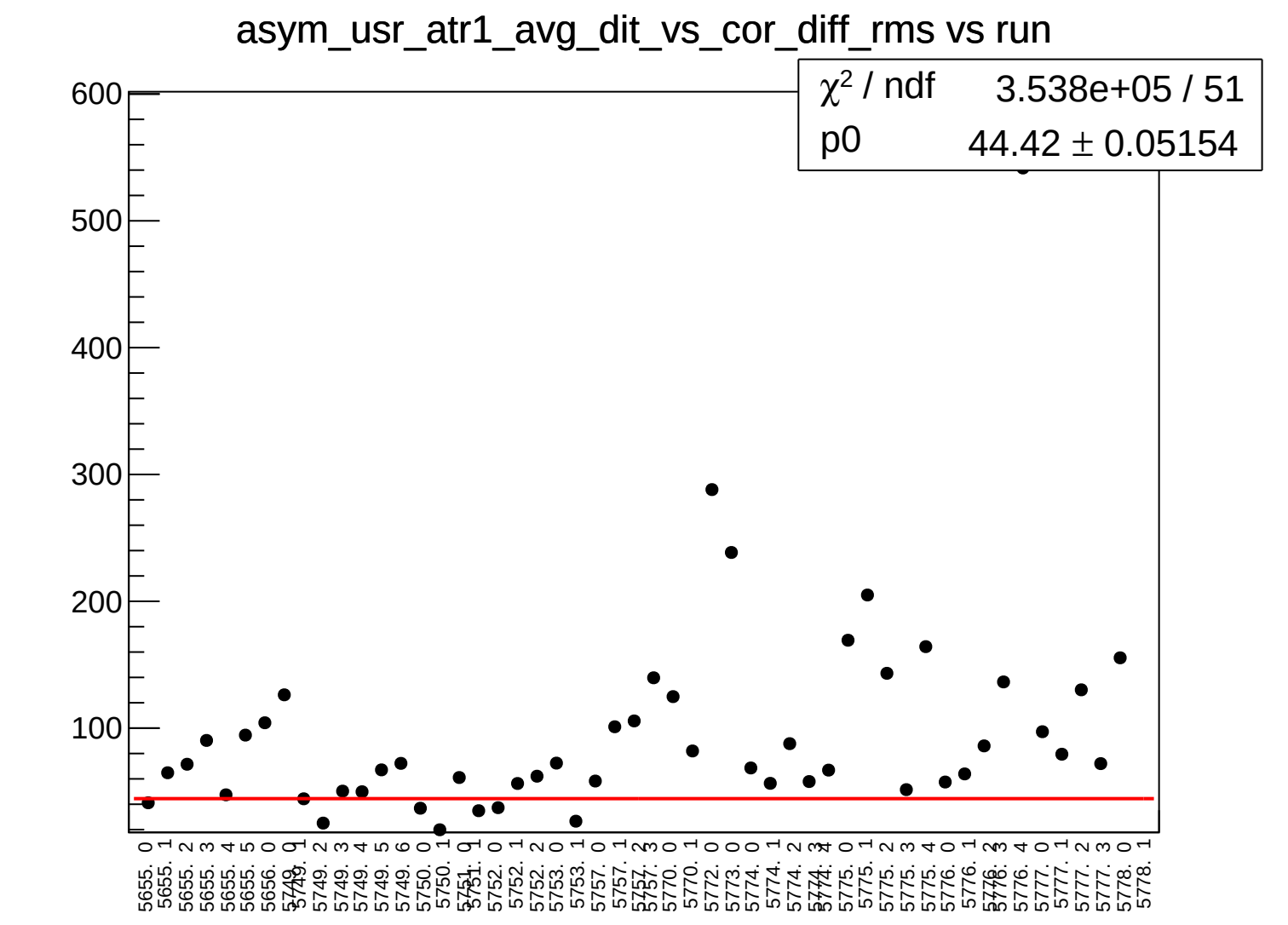

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 42.62 / 51
p0 −4.211e−14 ± 9.136e−14
pull
Entries 52
Mean 27.67
Std Dev 12.8

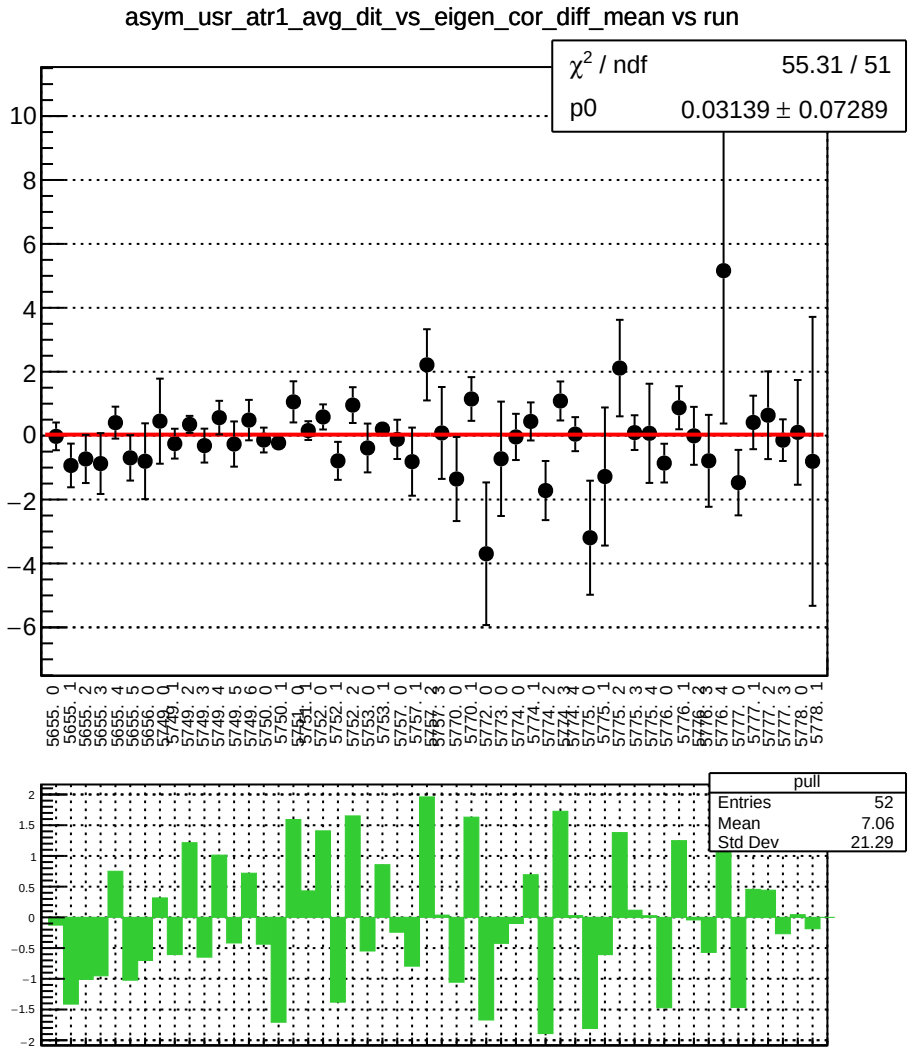

pull1D
Entries 52
Mean 0.09049
Std Dev 0.9008

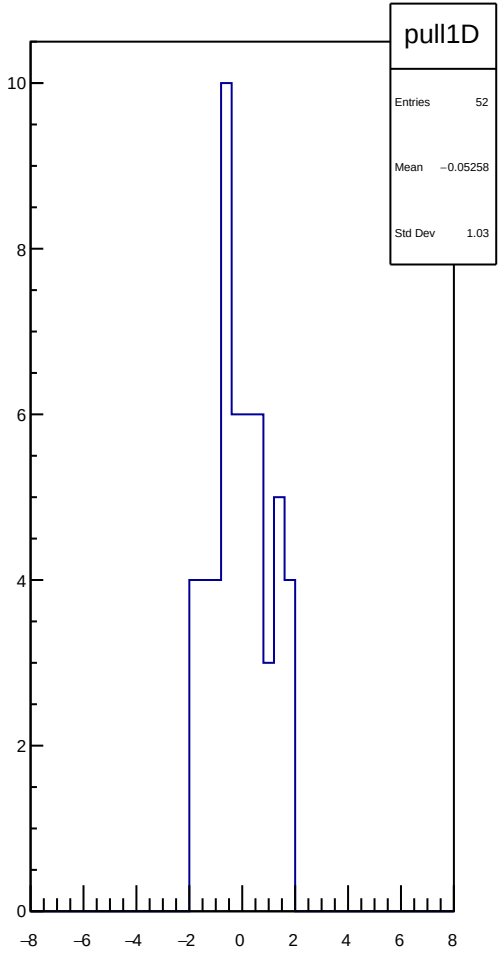

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.297e+05 / 51
p0 3.336e−11 ± 6.46e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

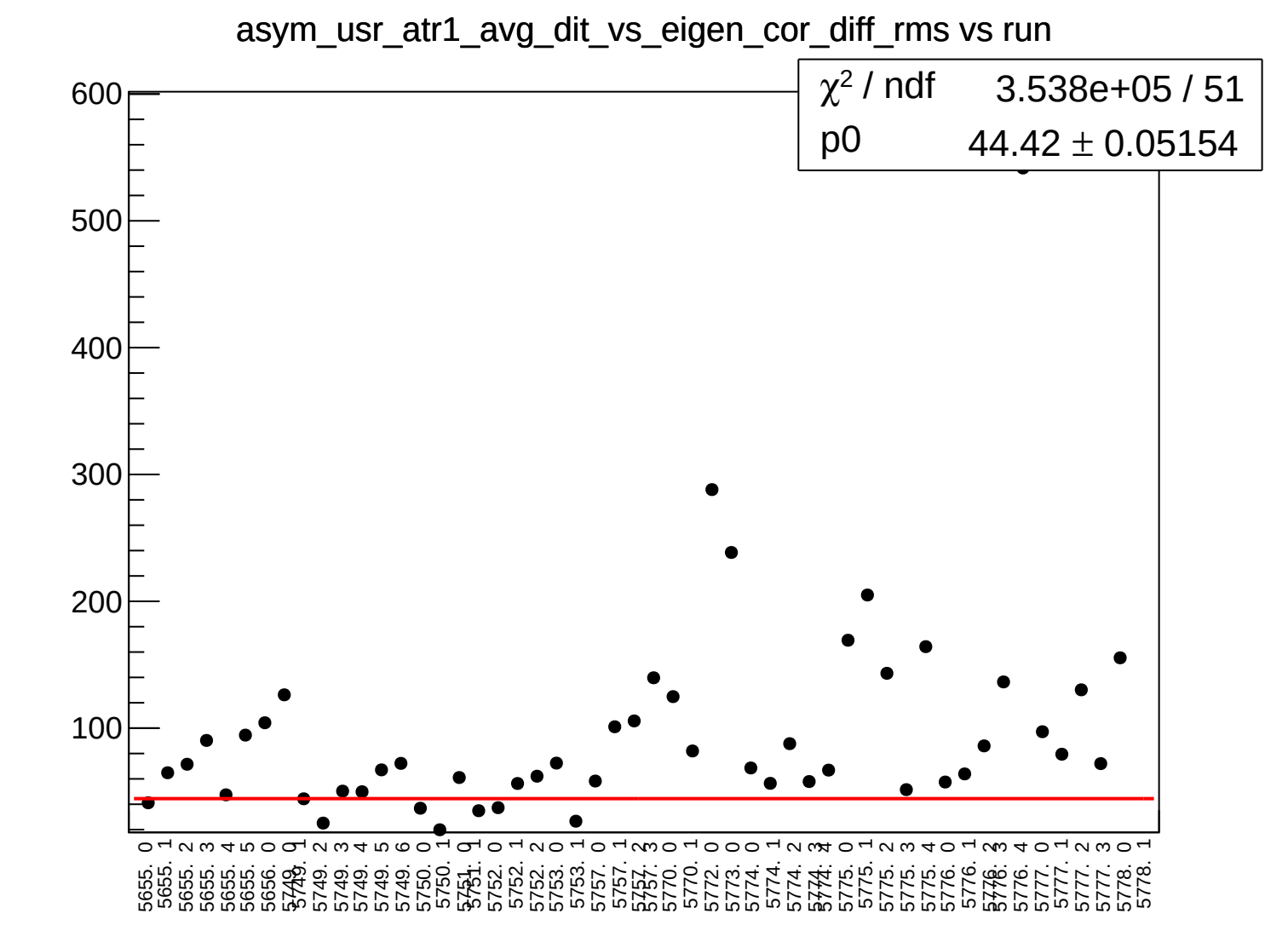

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 55.31 / 51
p0 0.03139 ± 0.07289
pull
Entries 52
Mean 7.06
Std Dev 21.29

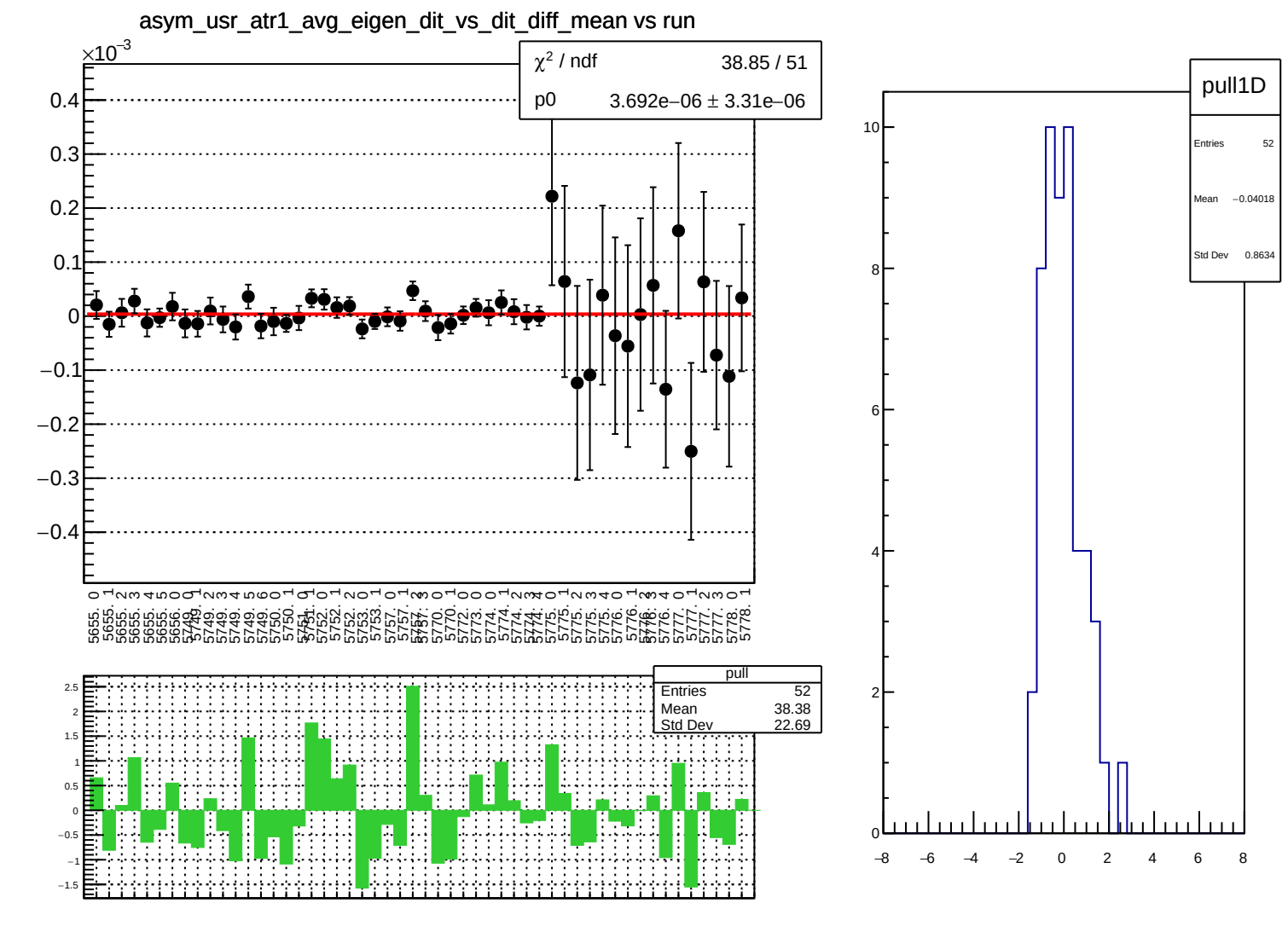

pull1D
Entries 52
Mean −0.05258
Std Dev 1.03

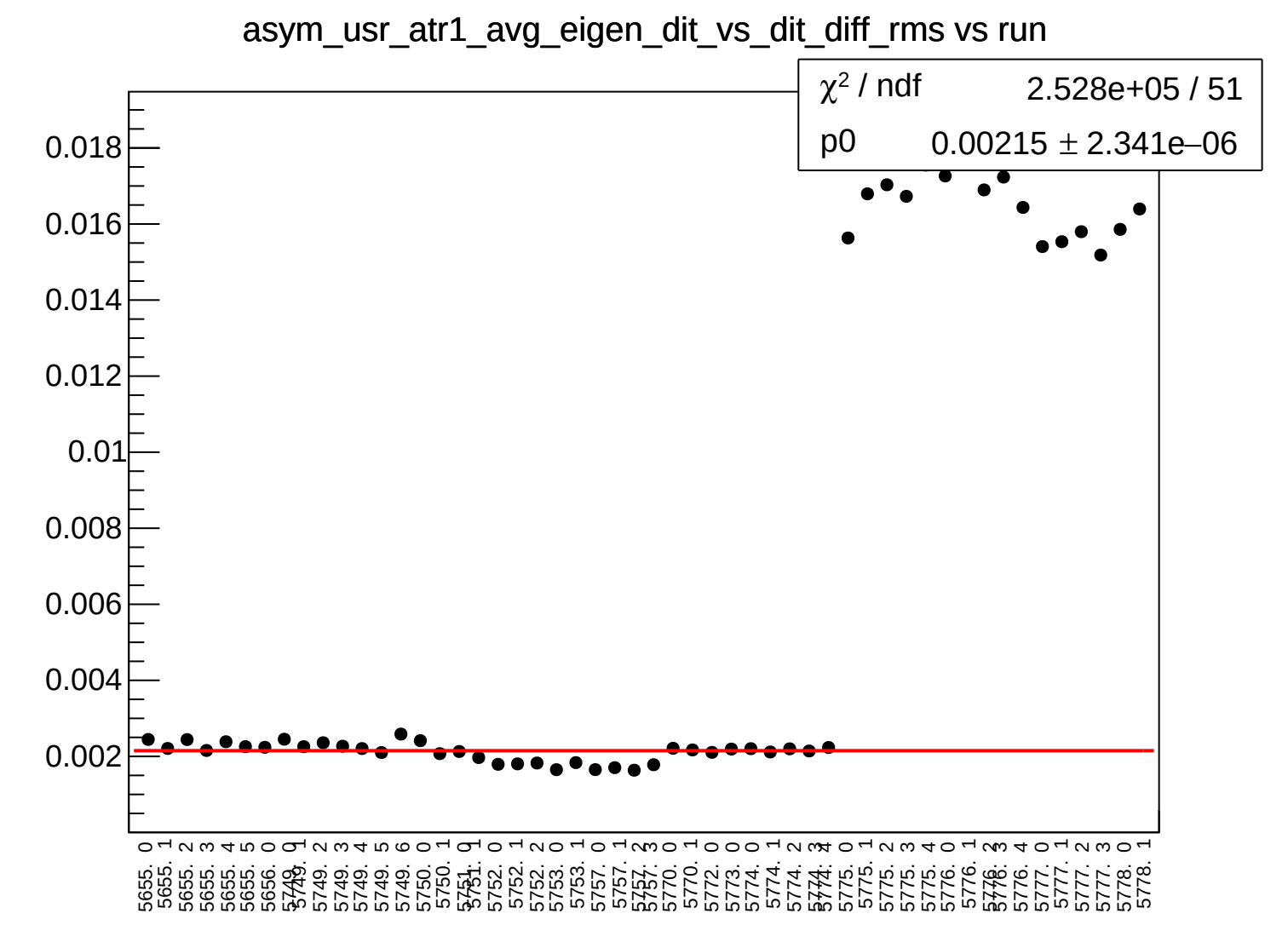

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.538e+05 / 51
p0 44.42 ± 0.05154
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

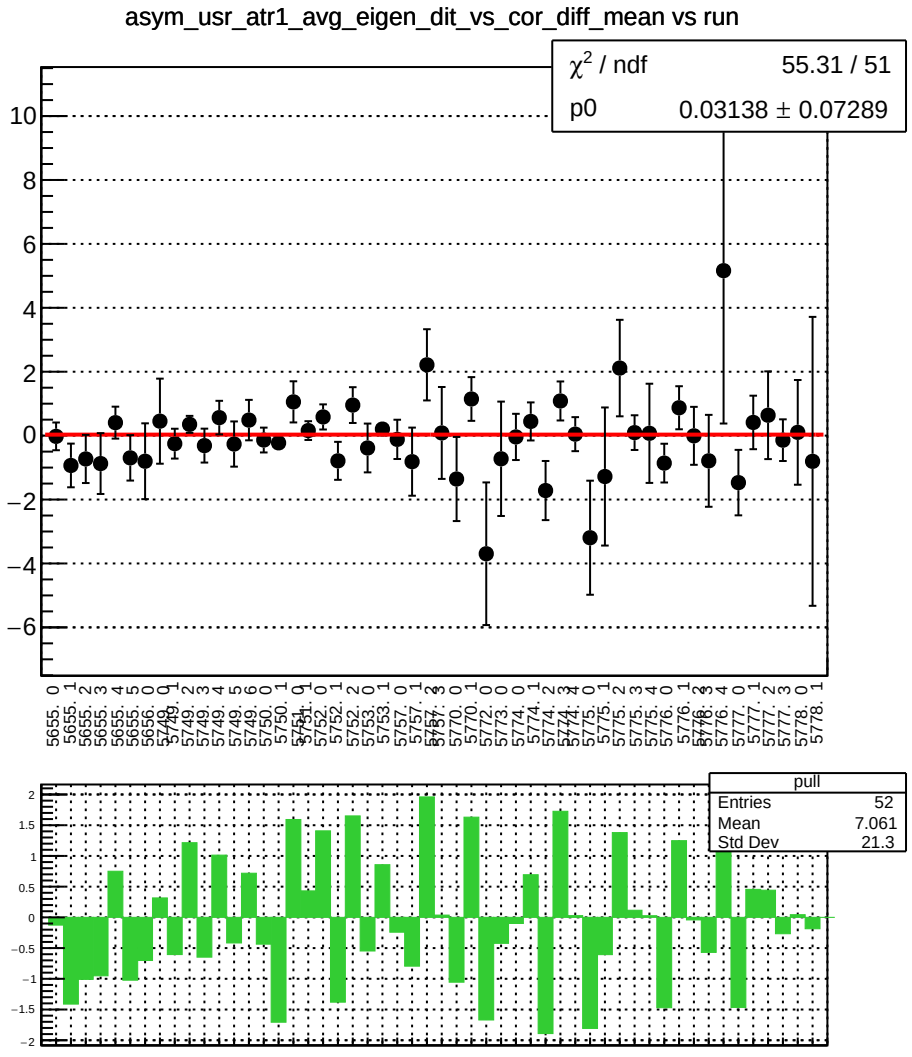

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.31 / 51
p0 0.03139 ± 0.07289
pull
Entries 52
Mean 7.06
Std Dev 21.29

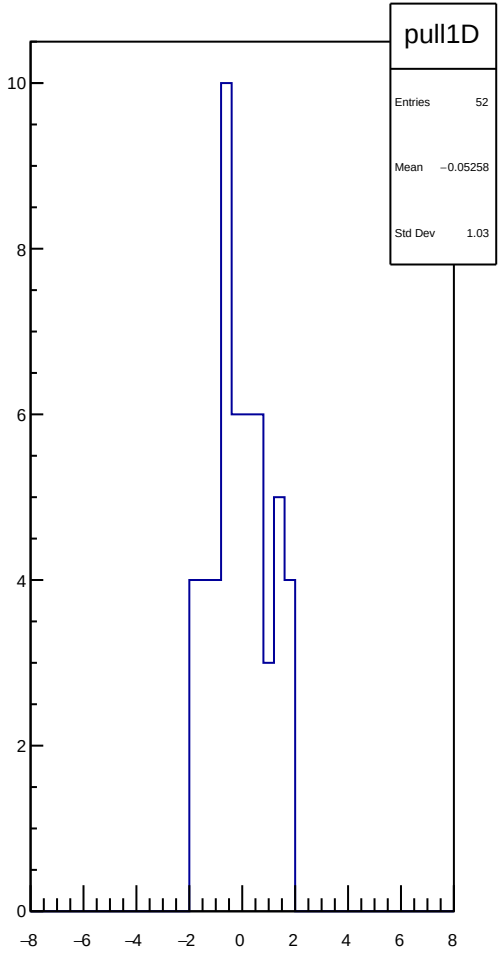

pull1D
Entries 52
Mean −0.05258
Std Dev 1.03

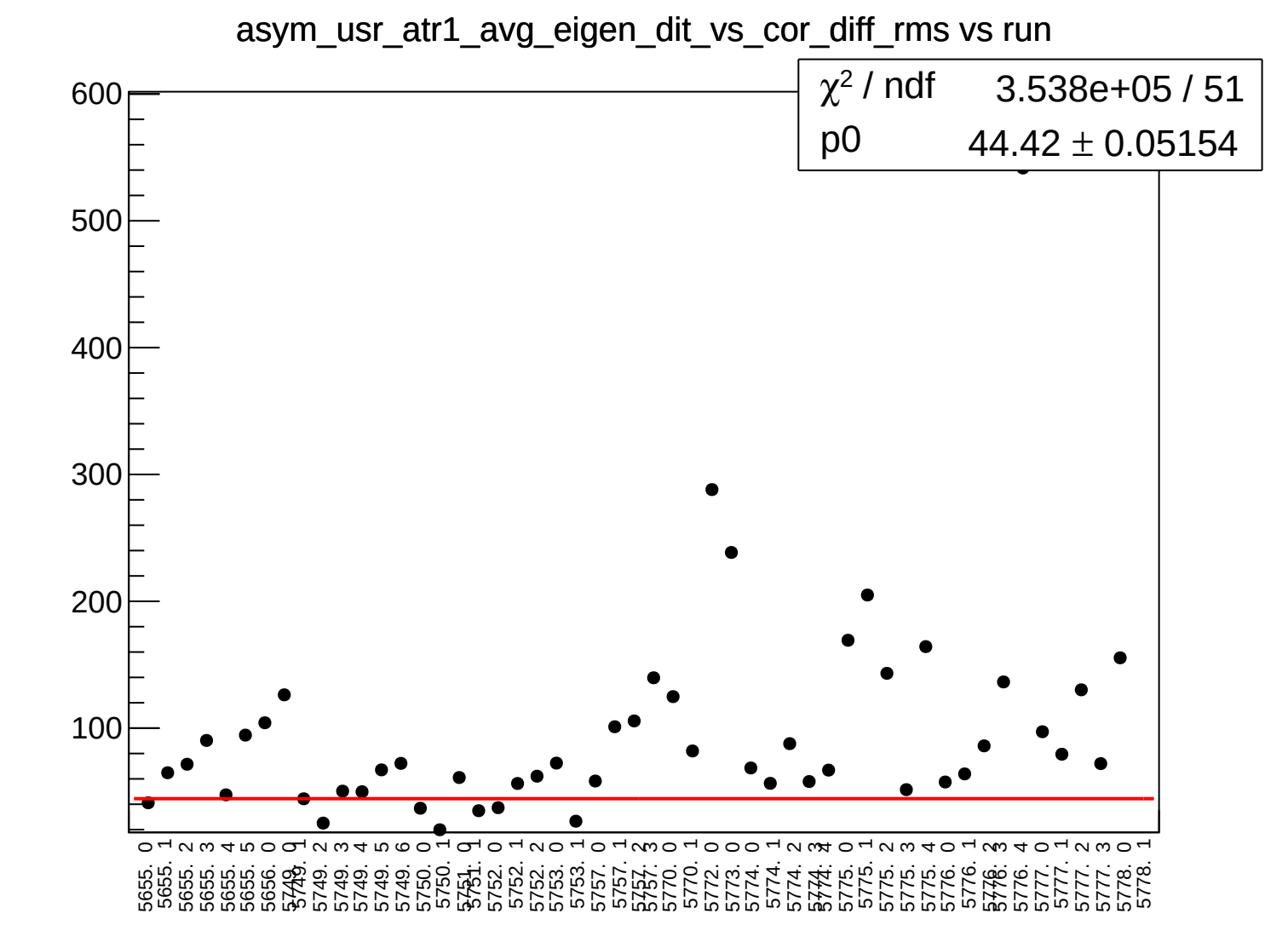

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.538e+05 / 51
p0 44.42 ± 0.05154
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

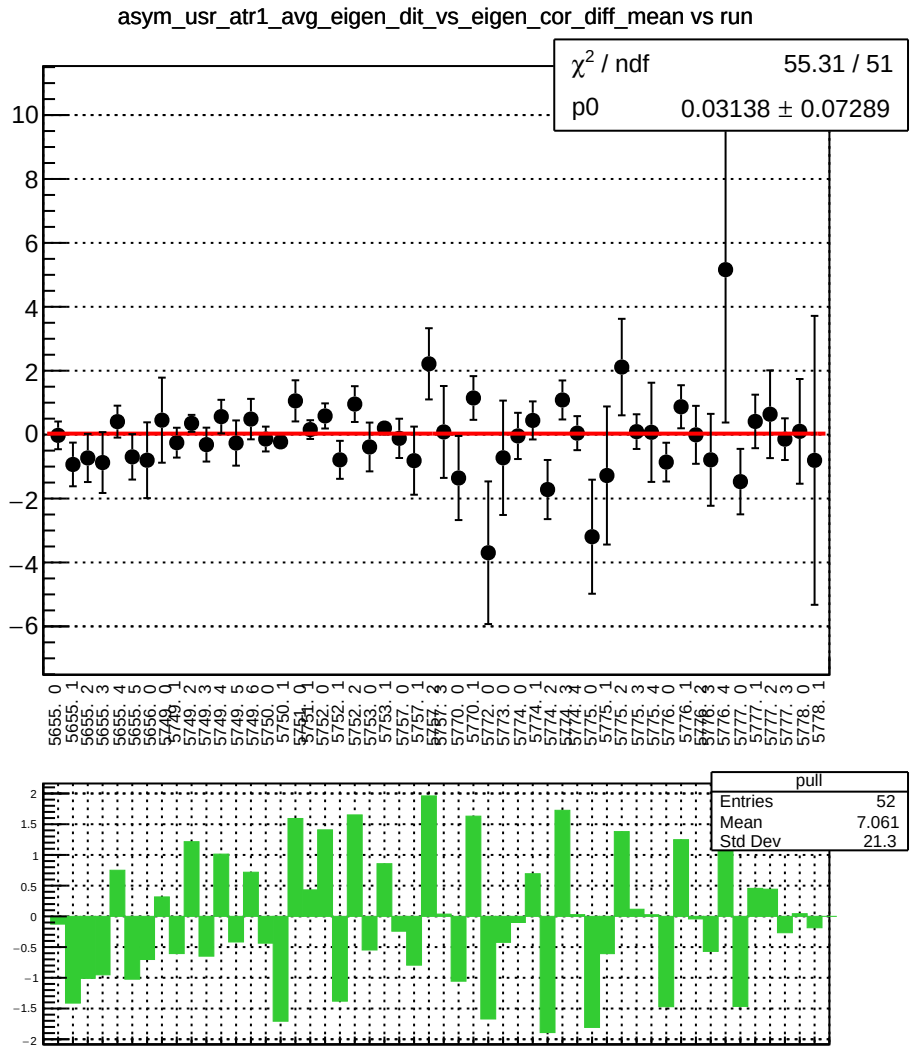

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 38.85 / 51
p0 3.692e−06 ± 3.31e−06
pull
Entries 52
Mean 38.38
Std Dev 22.69
pull1D
Entries 52
Mean −0.04018
Std Dev 0.8634

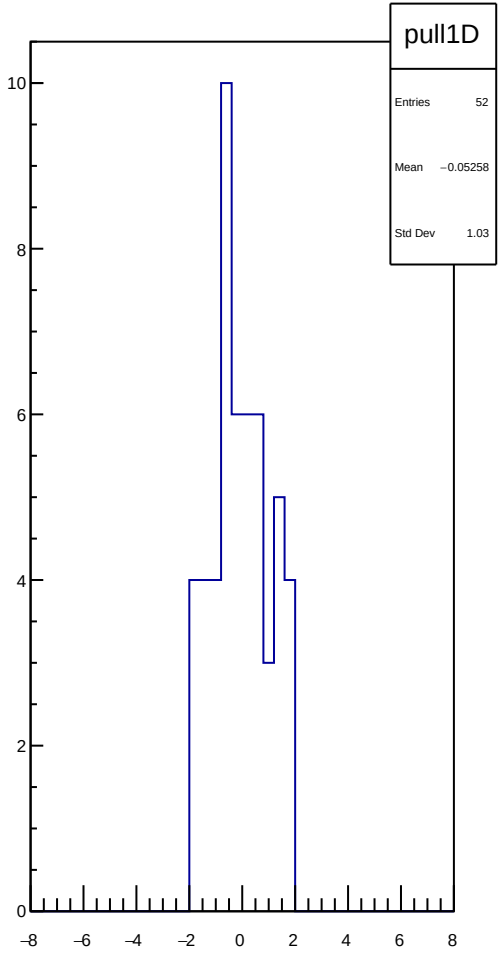

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.528e+05 / 51
p0 0.00215 ± 2.341e–06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

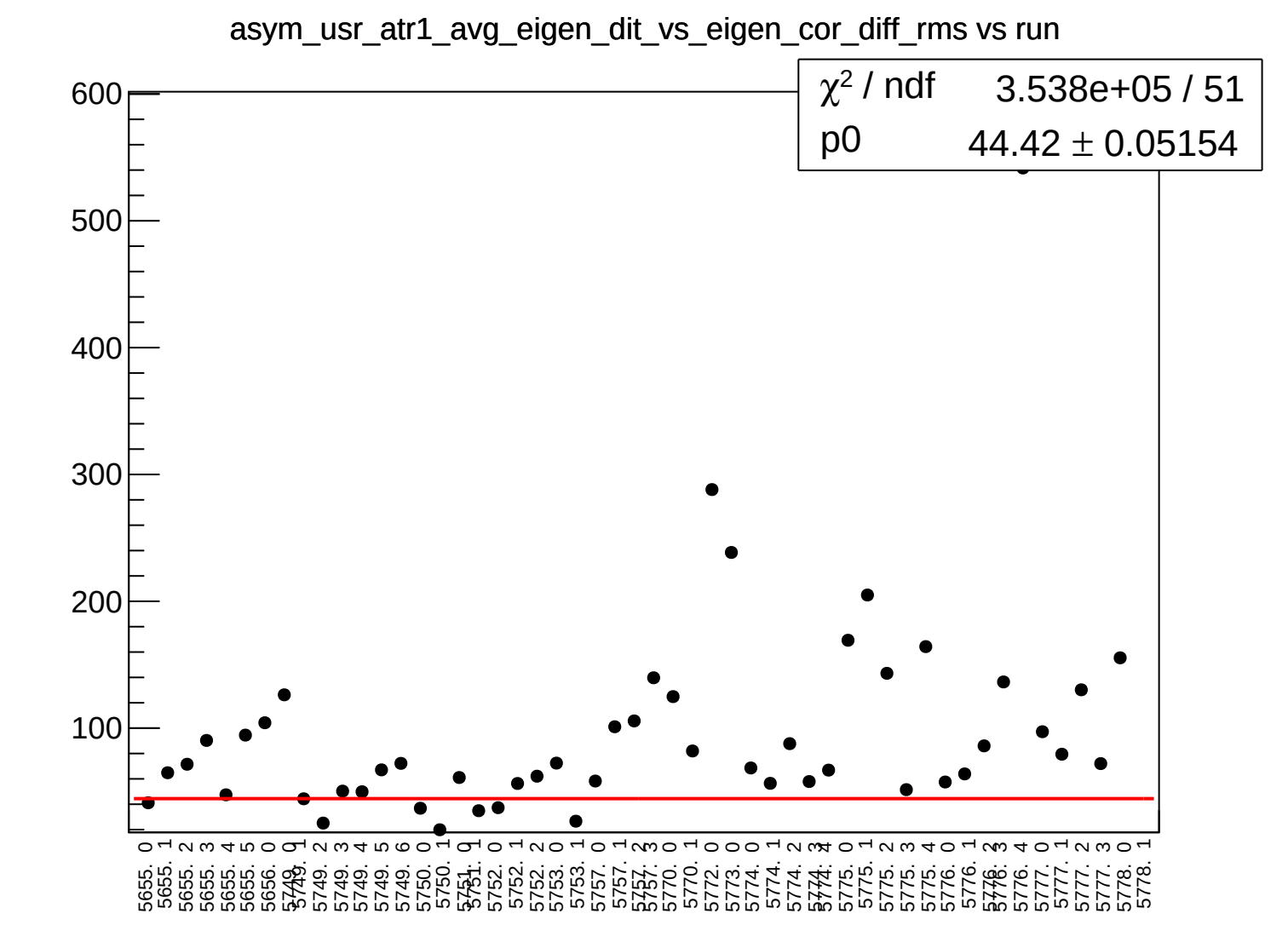

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.31 / 51
p0 0.03138 ± 0.07289
pull
Entries 52
Mean 7.061
Std Dev 21.3

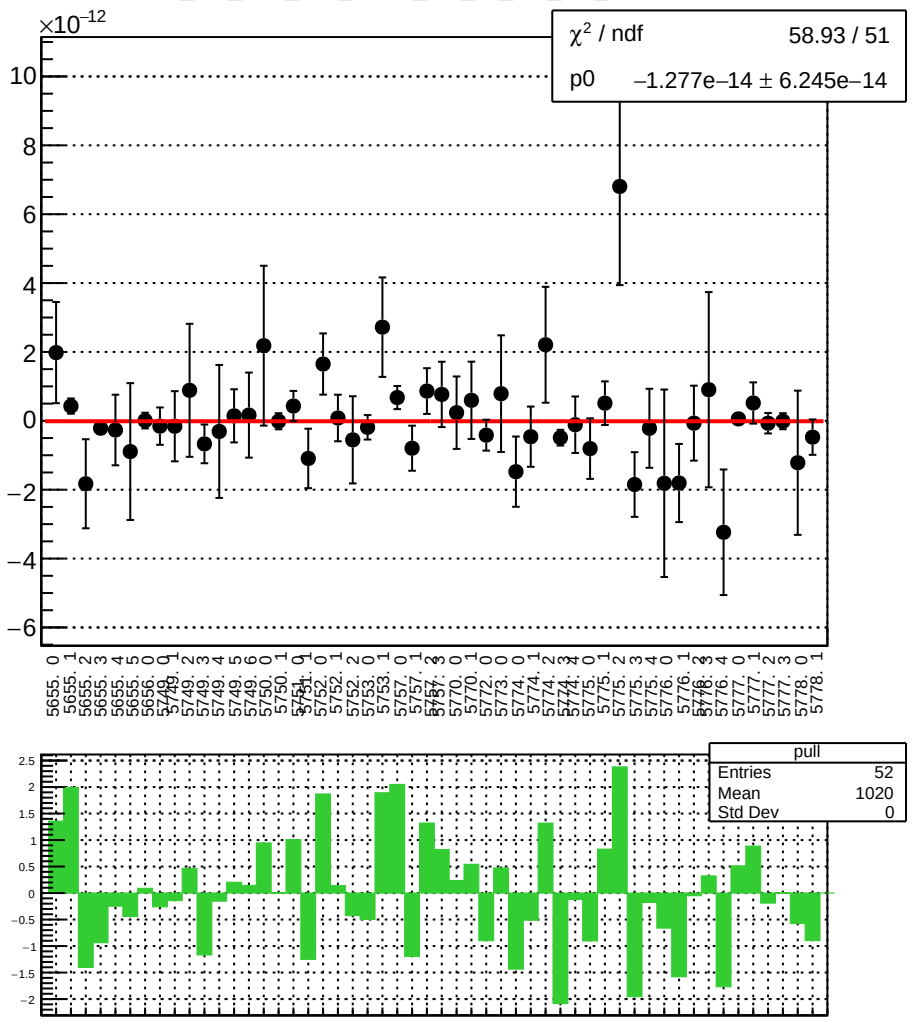

pull1D
Entries 52
Mean −0.05258
Std Dev 1.03

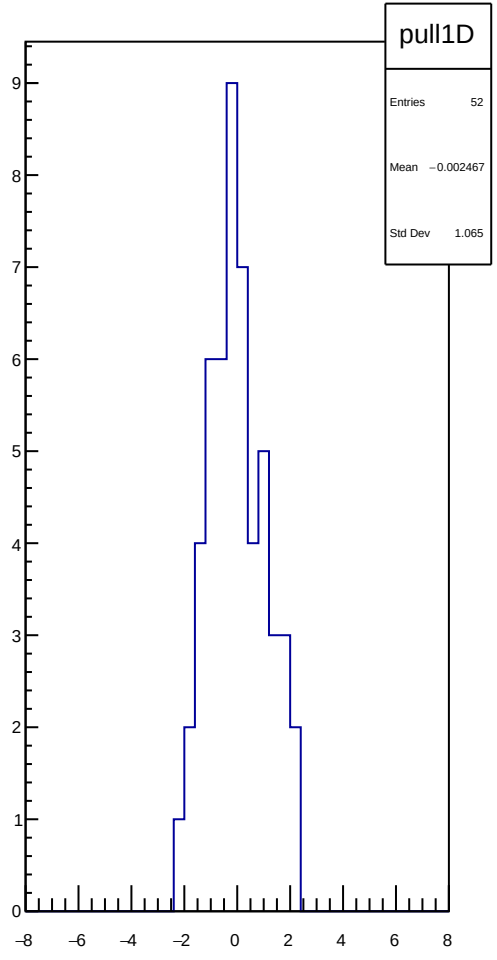

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.538e+05 / 51
p0 44.42 ± 0.05154
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

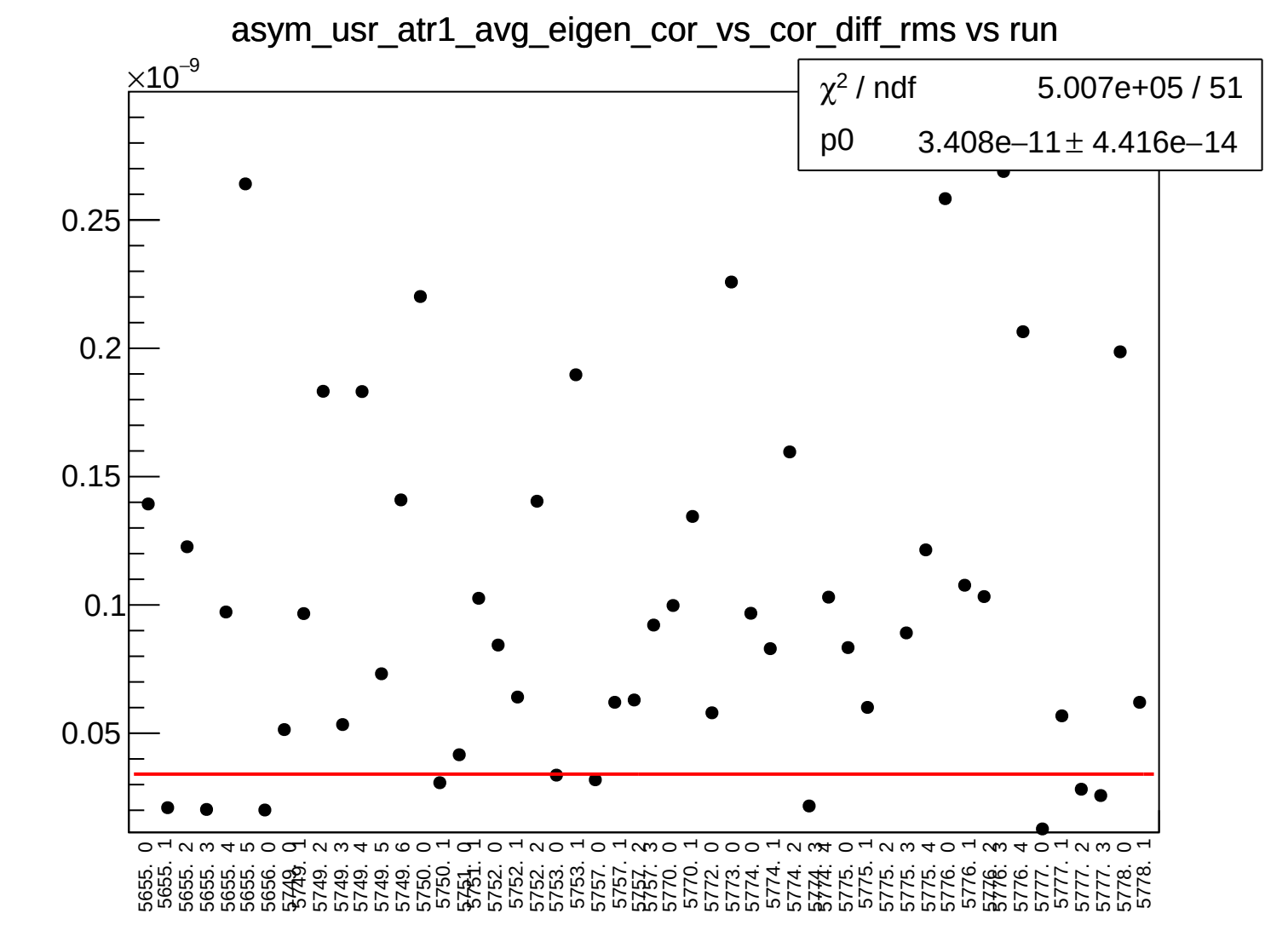

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.31 / 51
p0 0.03138 ± 0.07289
pull
Entries 52
Mean 7.061
Std Dev 21.3

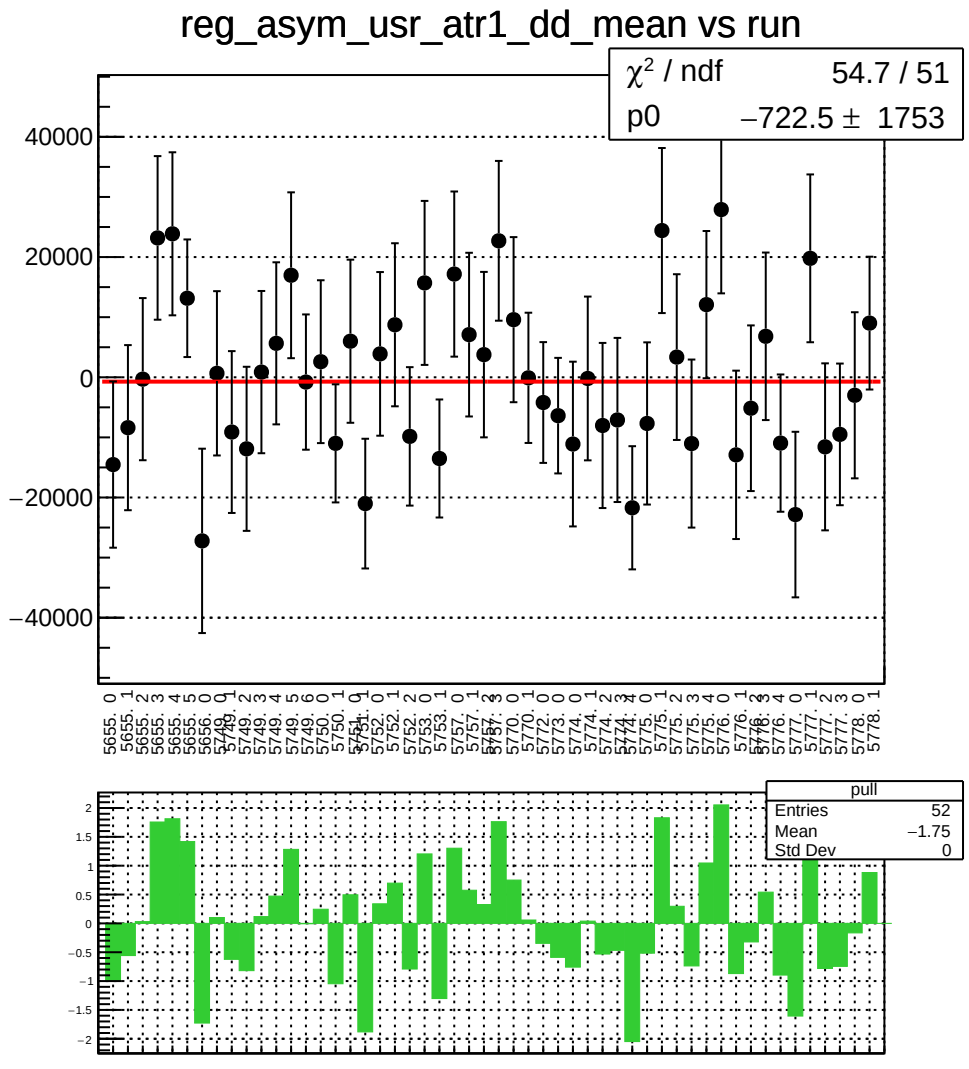

pull1D
Entries 52
Mean −0.05258
Std Dev 1.03

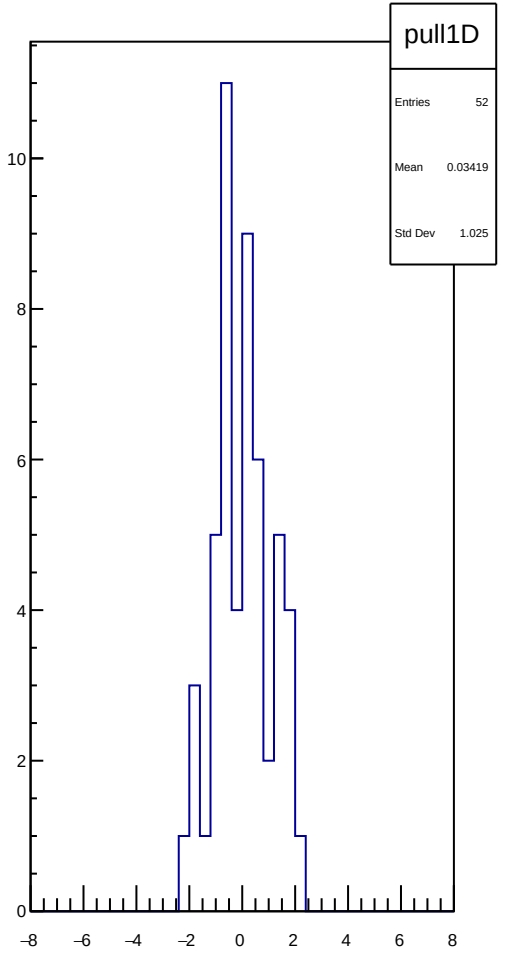

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.538e+05 / 51
p0 44.42 ± 0.05154
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

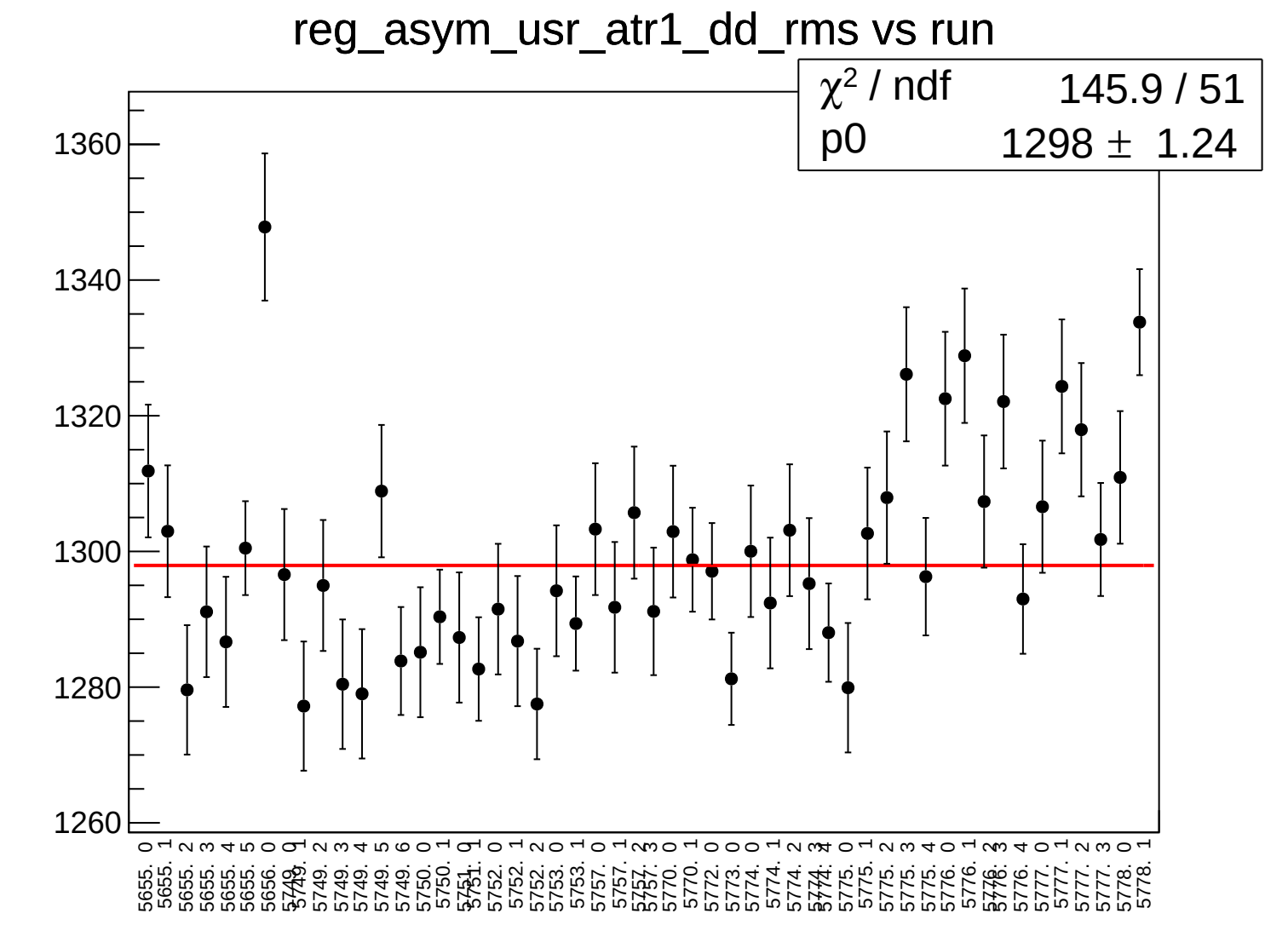

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.93 / 51
p0 −1.277e−14 ± 6.245e−14
pull
Entries 52
Mean 1020
Std Dev 0

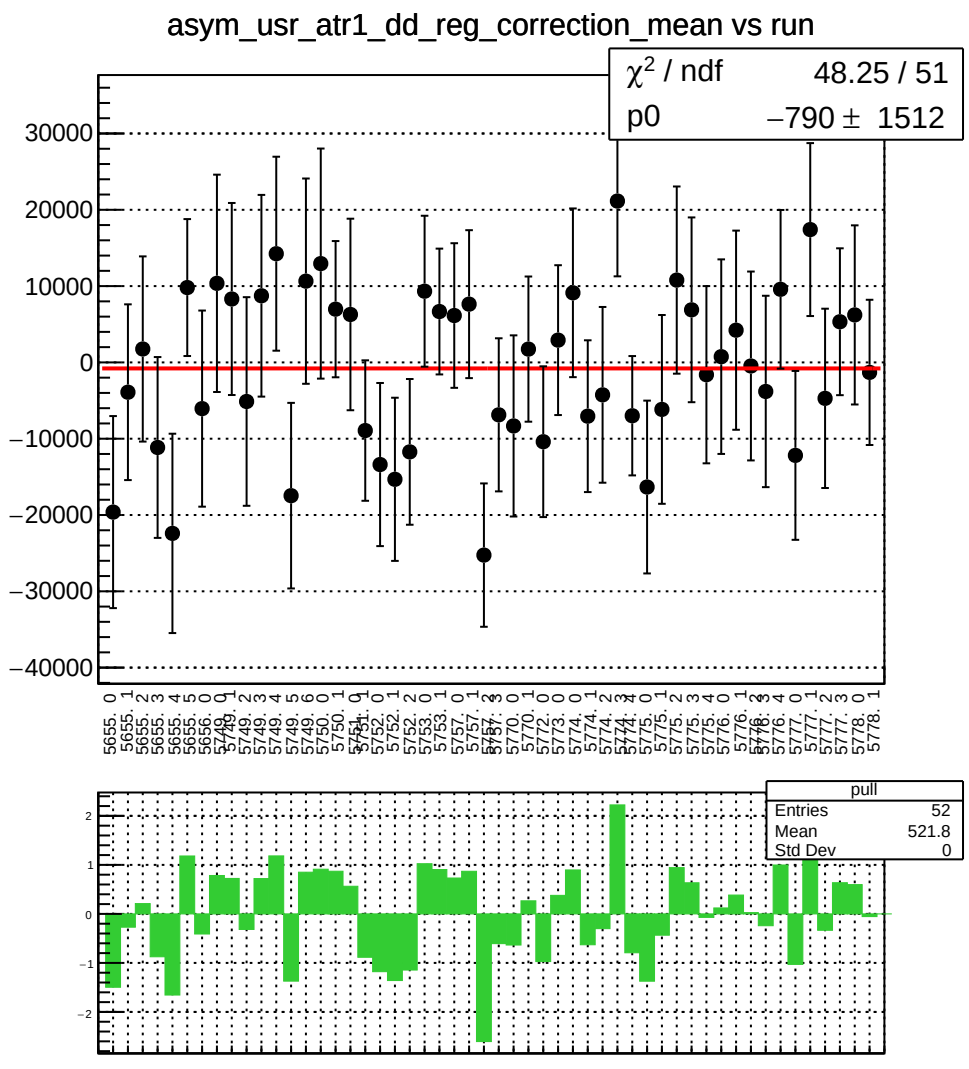

pull1D
Entries 52
Mean −0.002467
Std Dev 1.065

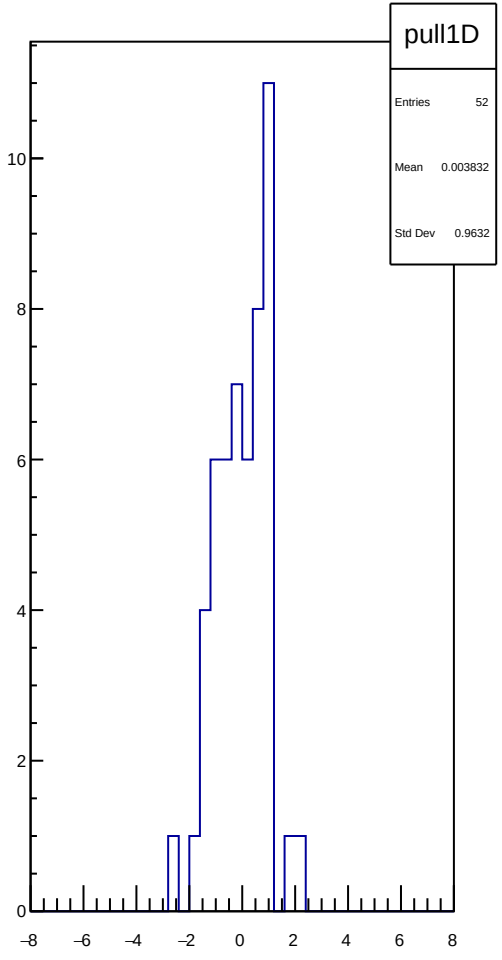

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.007e+05 / 51
p0 3.408e−11 ± 4.416e−14
0.25
0.2
0.15
0.1
0.05
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

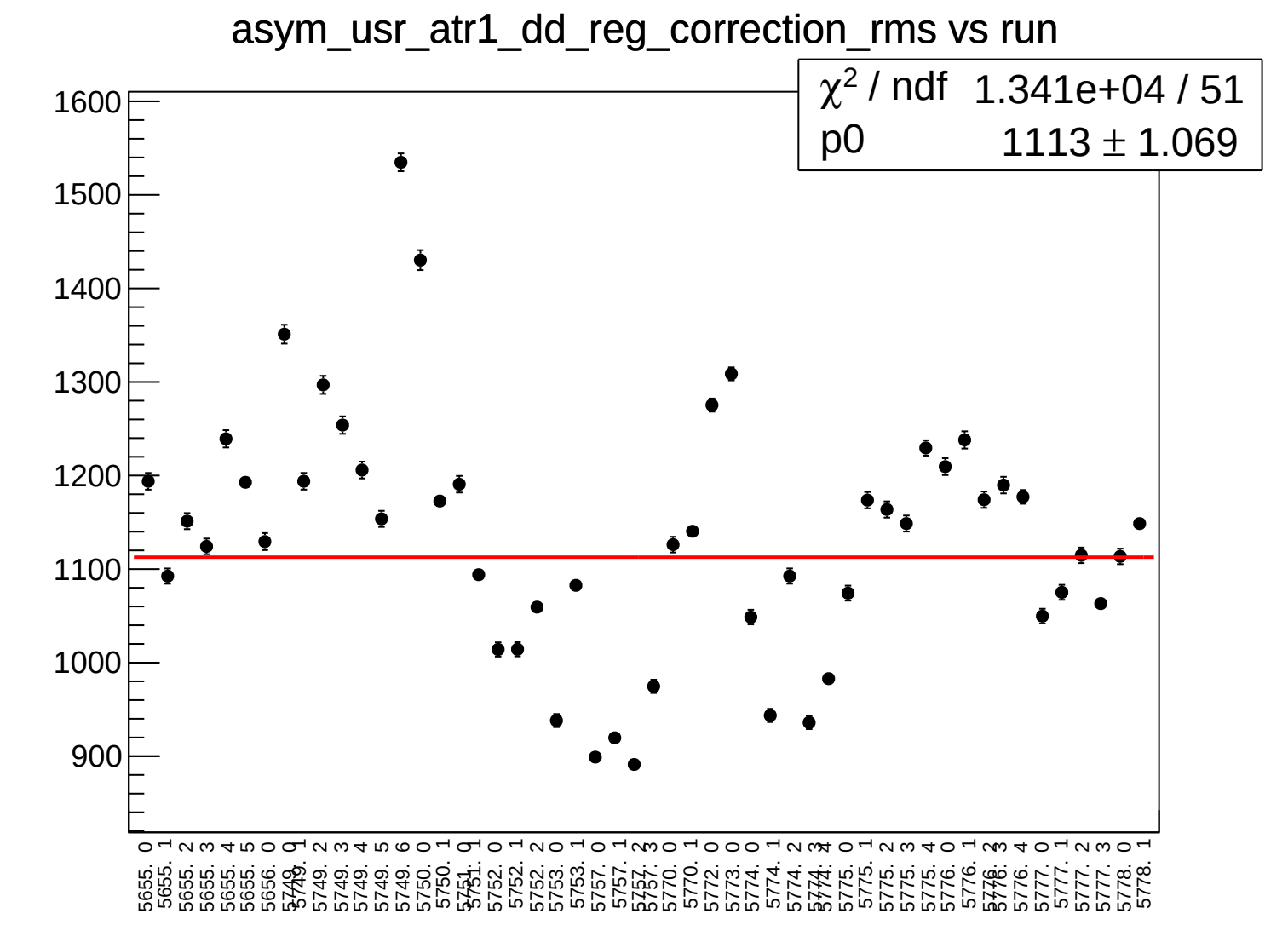

reg_asym_usr_atr1_dd_mean vs run
χ² / ndf 54.7 / 51
p0 −722.5 ± 1753
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −1.75
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

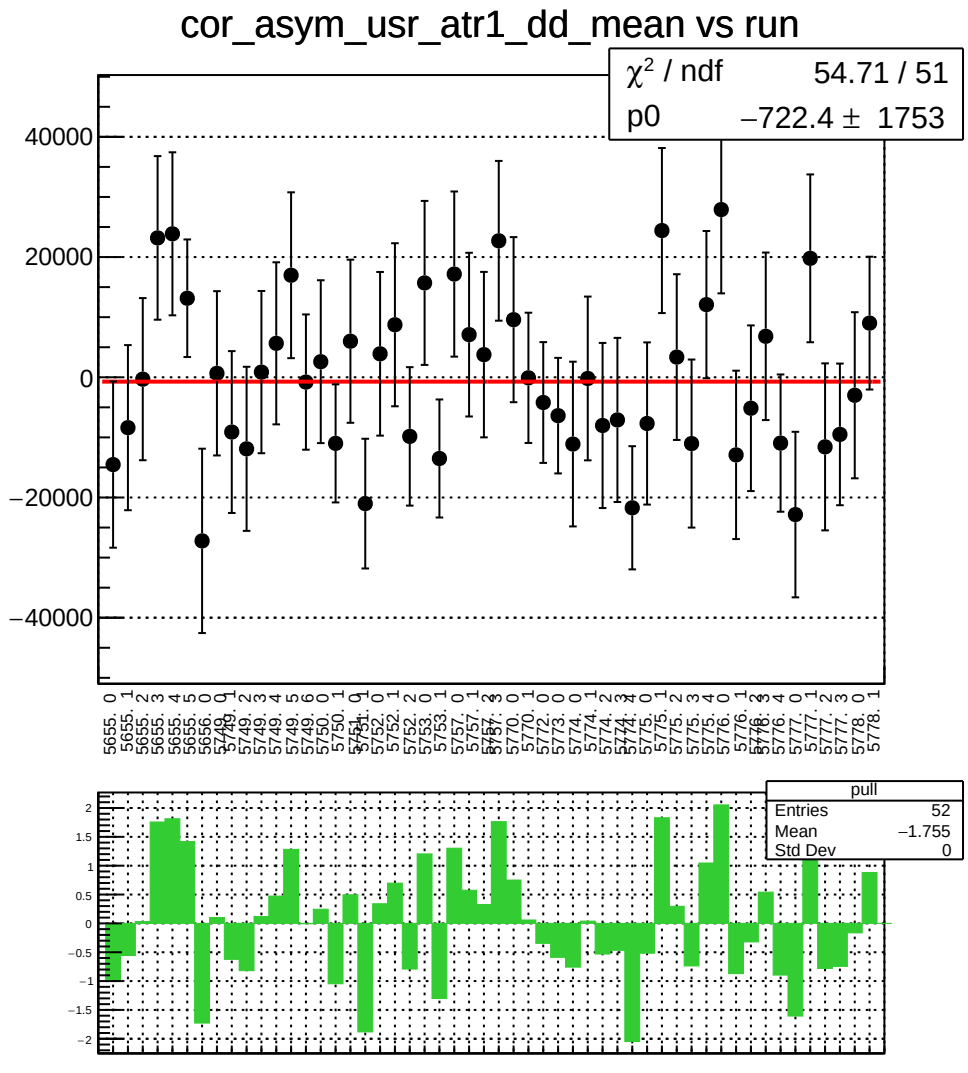

pull1D
Entries 52
Mean 0.03419
Std Dev 1.025
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

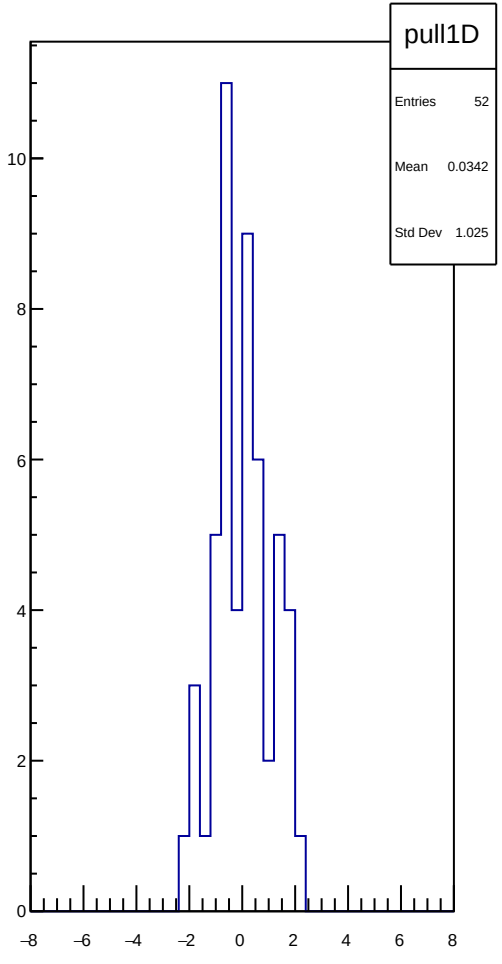

reg_asym_usr_atr1_dd_rms vs run
χ² / ndf 145.9 / 51
p0 1298 ± 1.24
1360
1340
1320
1300
1280
1260
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

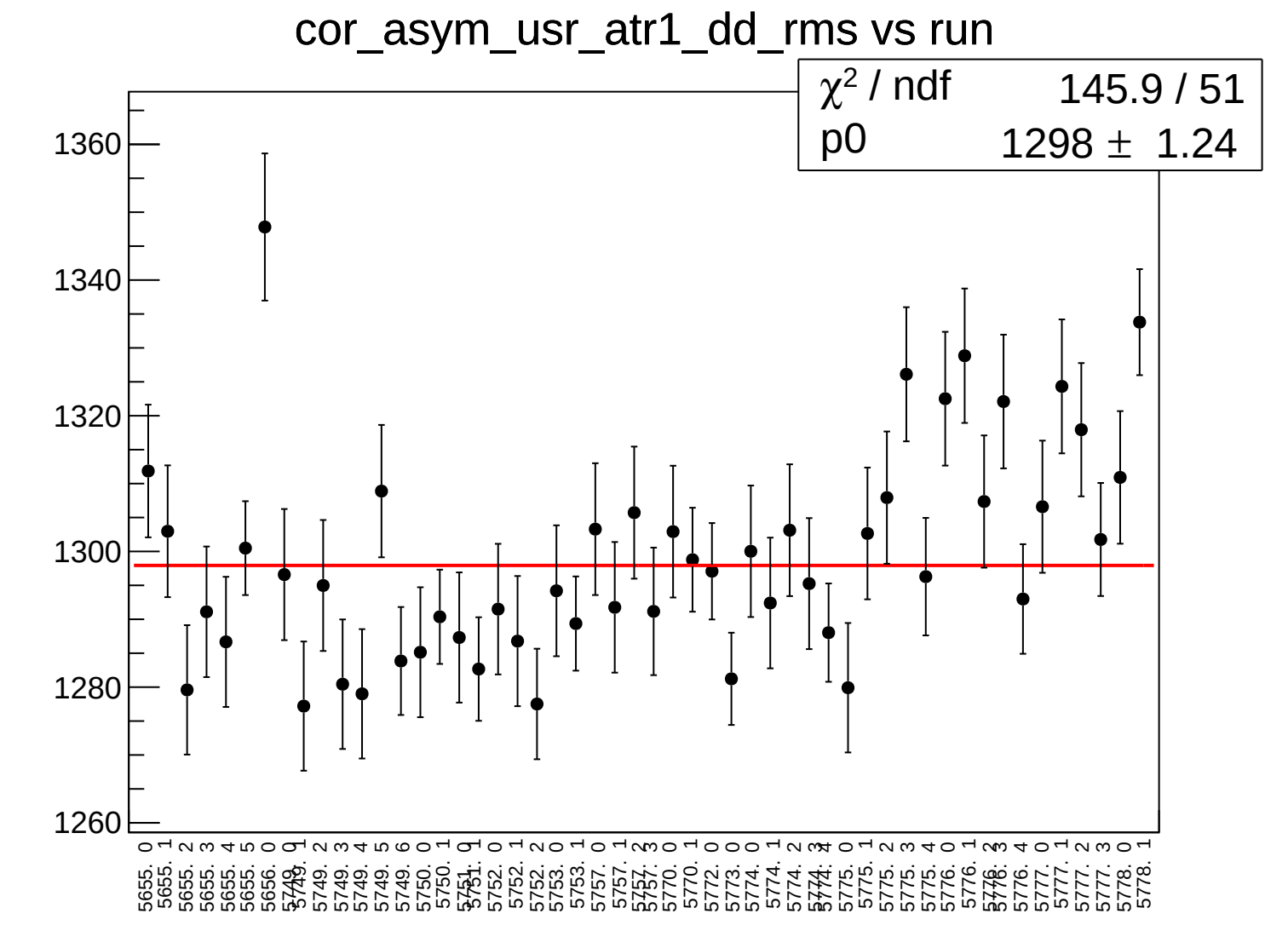

asym_usr_atr1_dd_reg_correction_mean vs run
χ² / ndf 48.25 / 51
p0 −790 ± 1512
pull
Entries 52
Mean 521.8
Std Dev 0

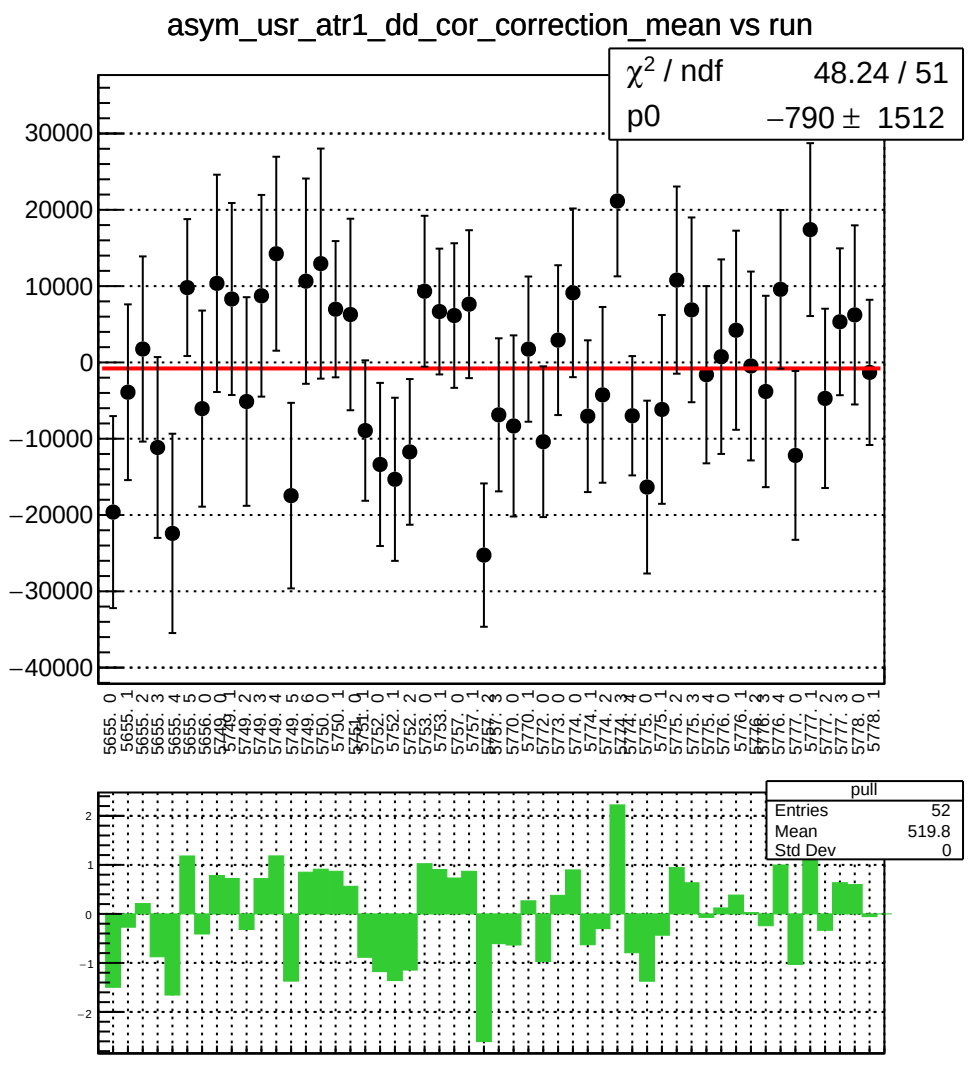

pull1D
Entries 52
Mean 0.003832
Std Dev 0.9632

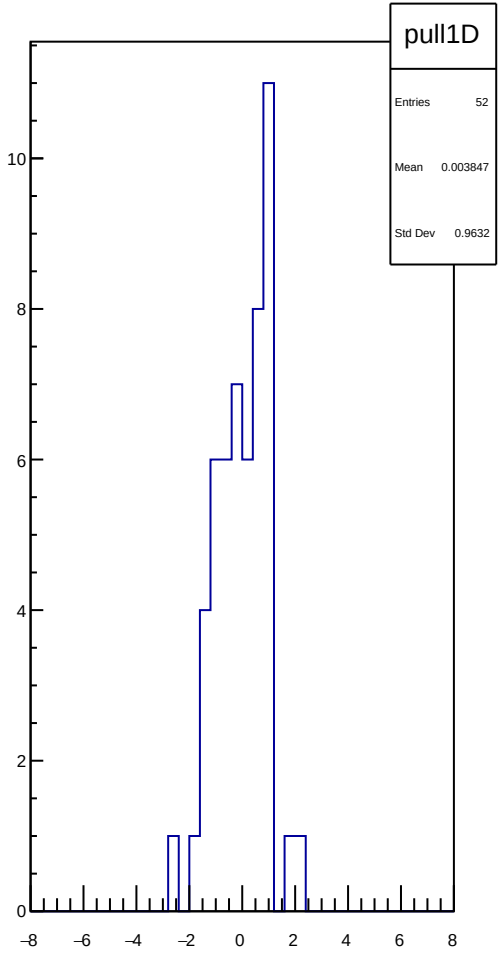

asym_usr_atr1_dd_reg_correction_rms vs run
χ² / ndf 1.341e+04 / 51
p0 1113 ± 1.069
1600
1500
1400
1300
1200
1100
1000
900
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

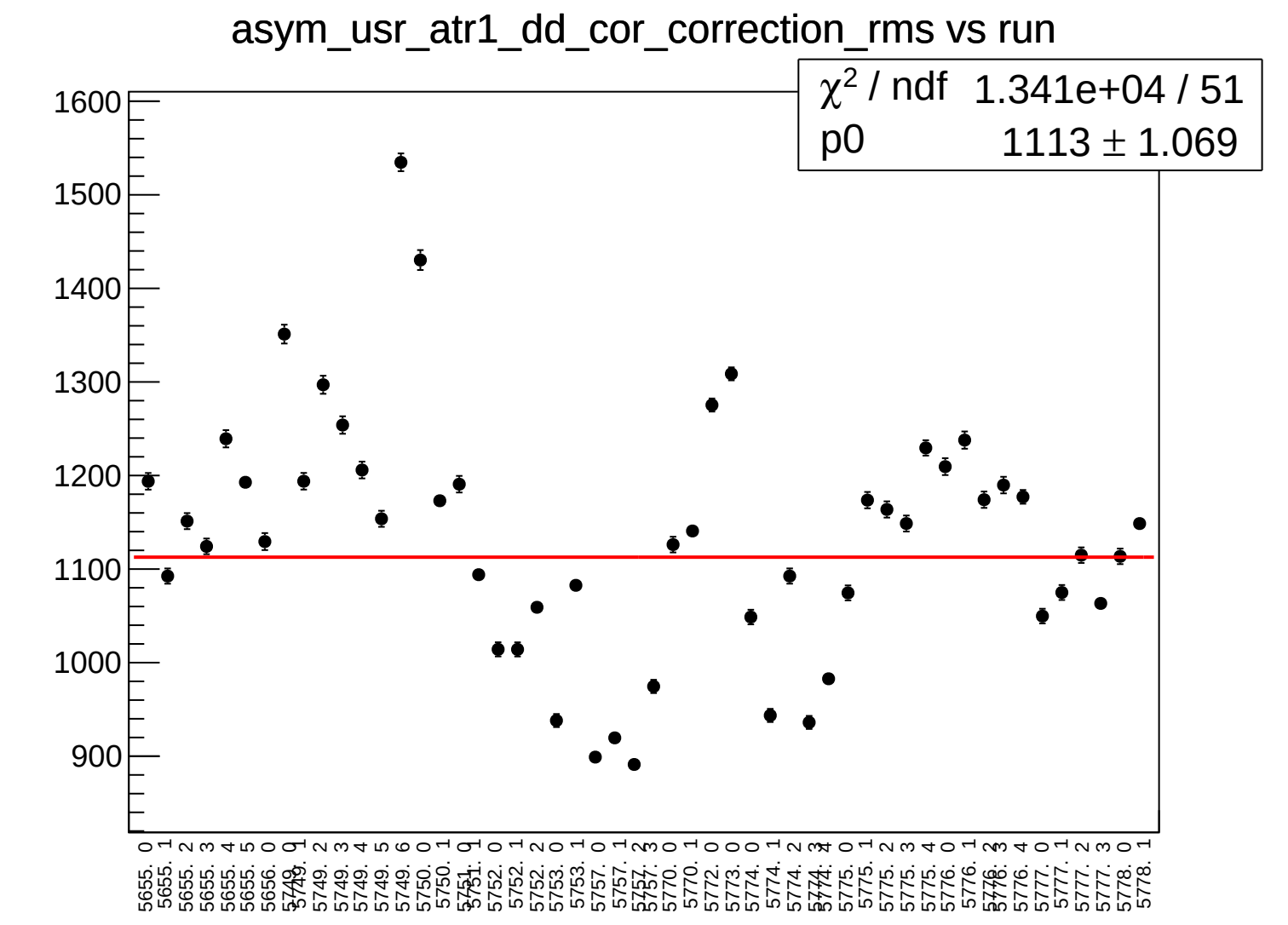

cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 54.71 / 51
p0 −722.4 ± 1753
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −1.755
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

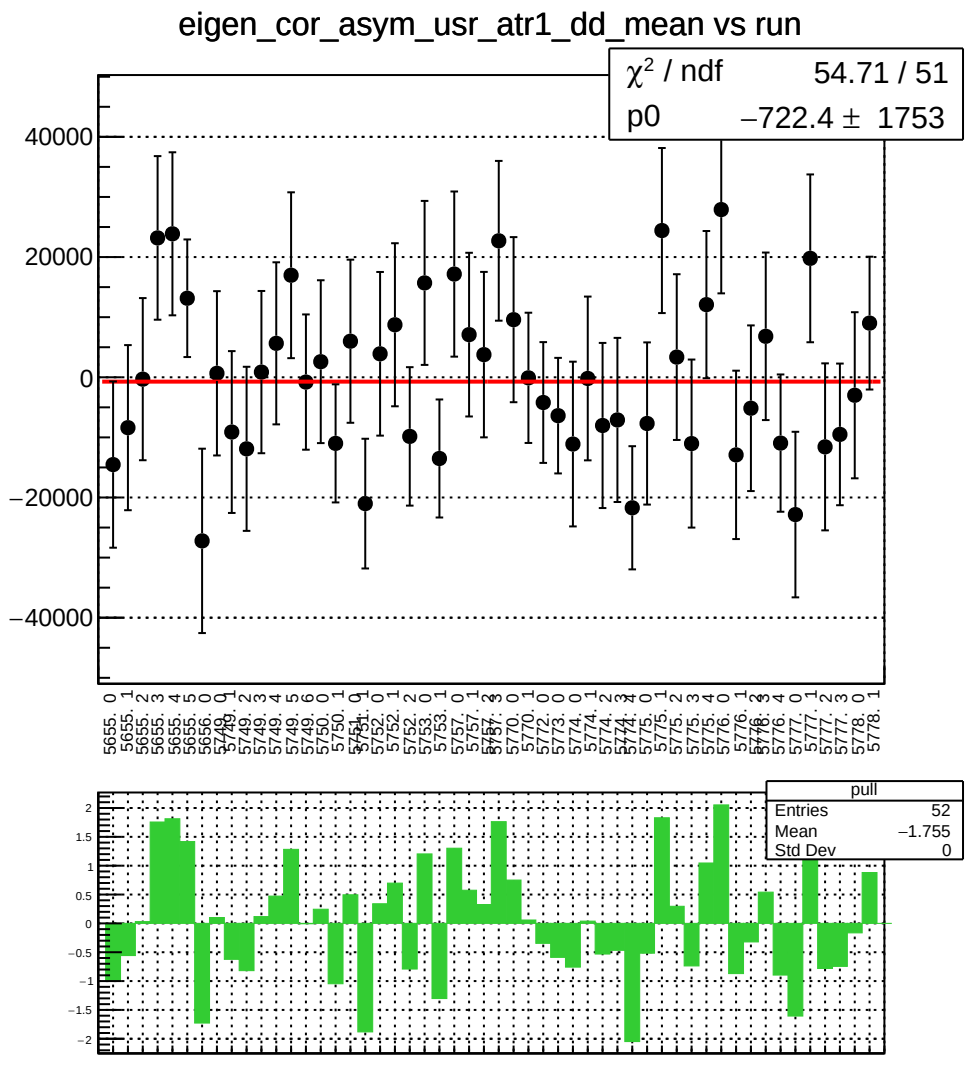

pull1D
Entries 52
Mean 0.0342
Std Dev 1.025
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

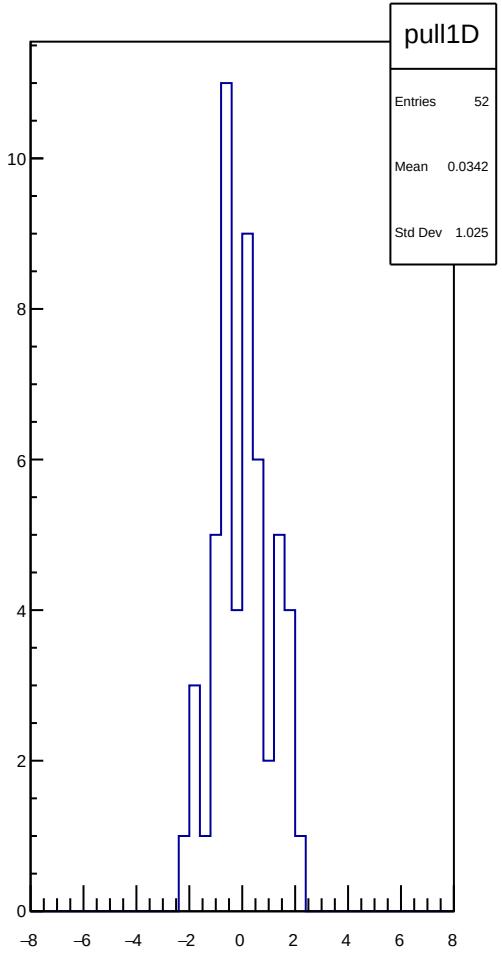

cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 145.9 / 51
p0 1298 ± 1.24
1360
1340
1320
1300
1280
1260
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

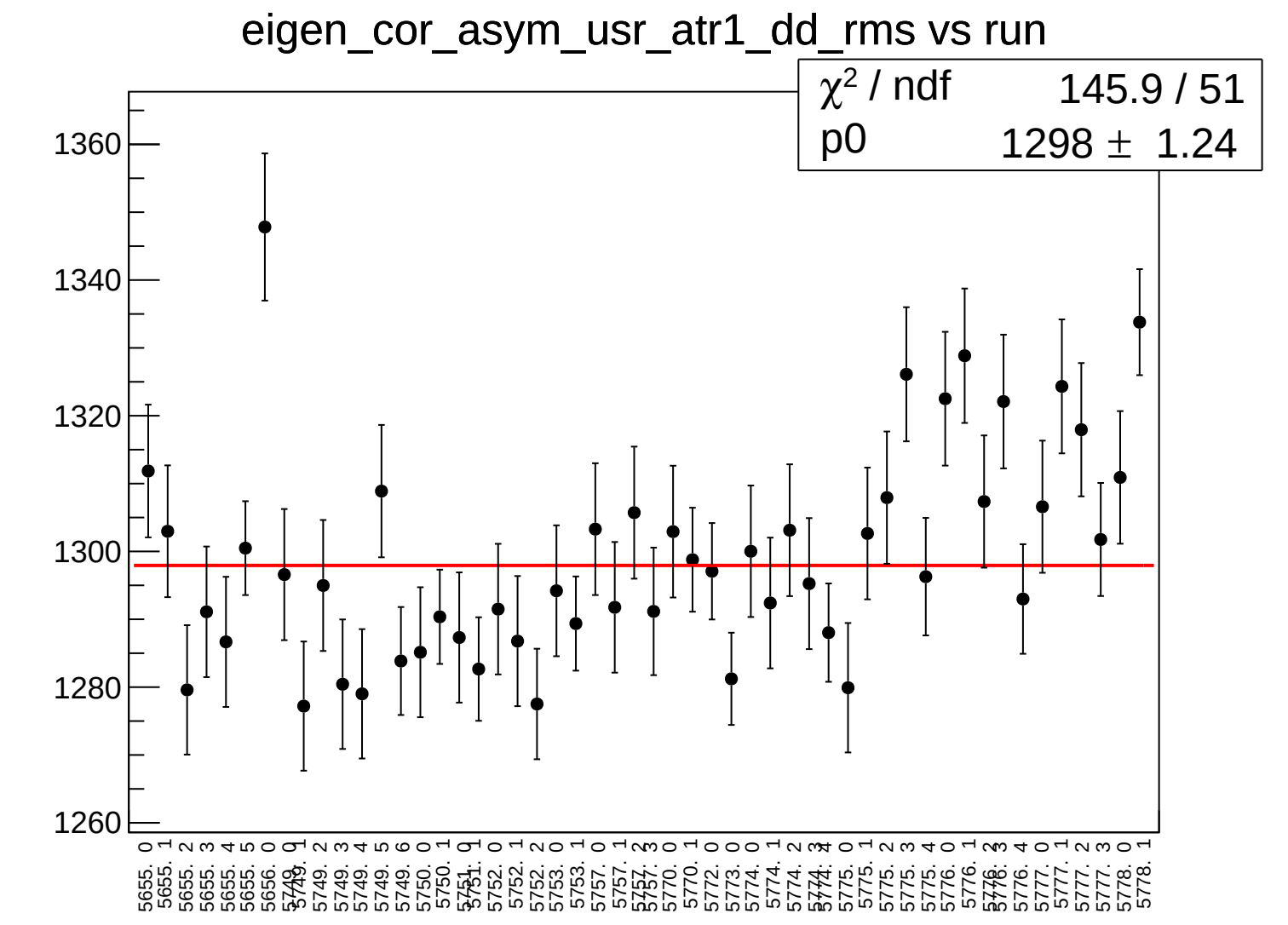

asym_usr_atr1_dd_cor_correction_mean vs run
χ² / ndf 48.24 / 51
p0 −790 ± 1512
pull
Entries 52
Mean 519.8
Std Dev 0

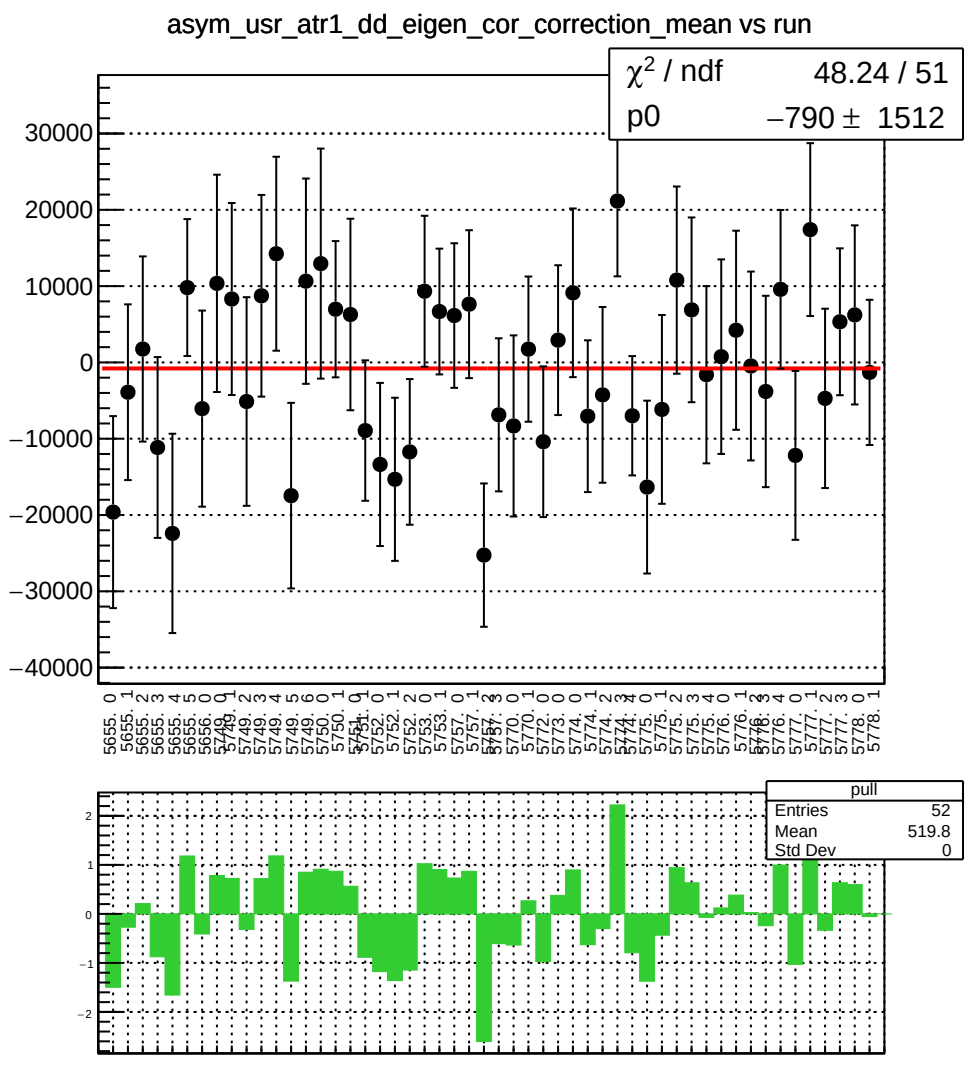

pull1D
Entries 52
Mean 0.003847
Std Dev 0.9632

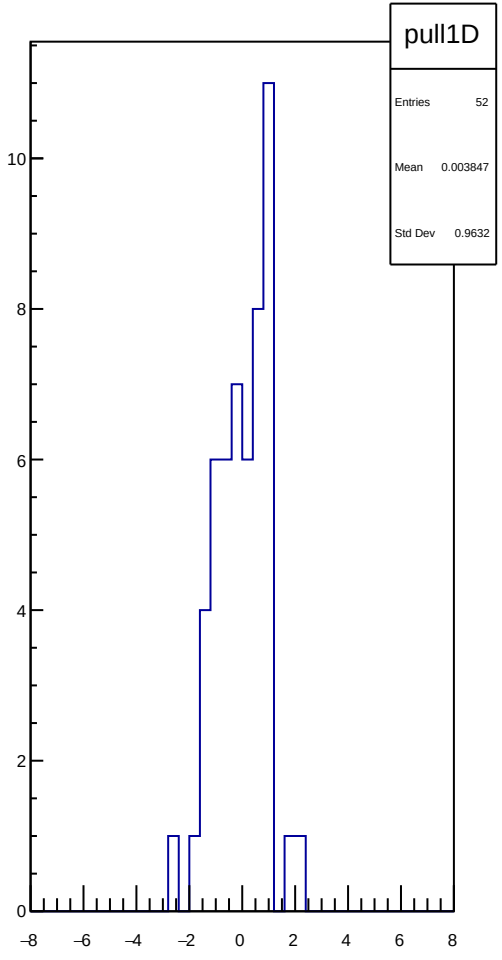

asym_usr_atr1_dd_cor_correction_rms vs run
χ² / ndf 1.341e+04 / 51
p0 1113 ± 1.069
1600
1500
1400
1300
1200
1100
1000
900
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

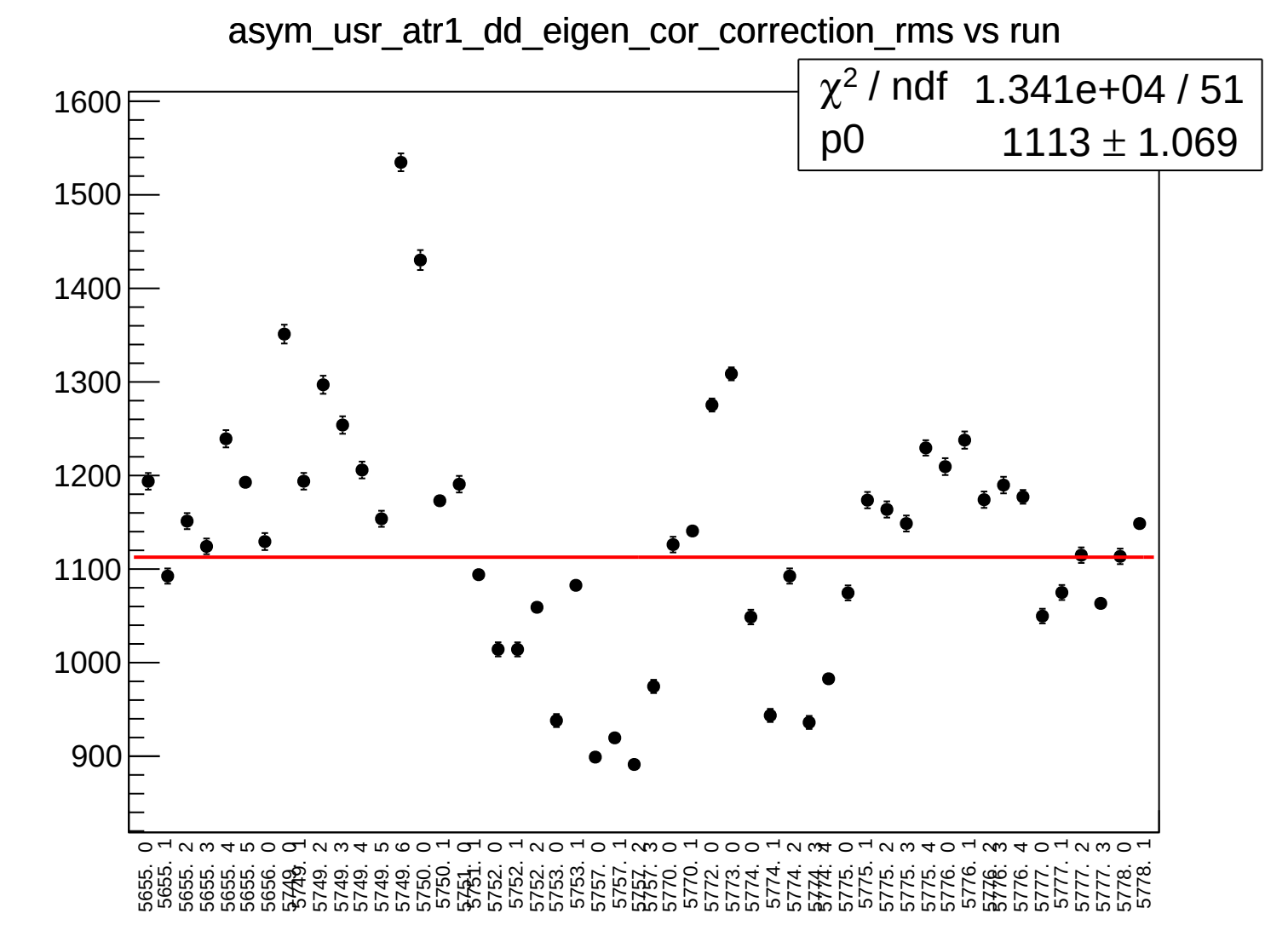

eigen_cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 54.71 / 51
p0 −722.4 ± 1753
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −1.755
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean 0.0342
Std Dev 1.025
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 145.9 / 51
p0 1298 ± 1.24
1360
1340
1320
1300
1280
1260
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usr_atr1_dd_eigen_cor_correction_mean vs run
χ² / ndf 48.24 / 51
p0 −790 ± 1512
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 52
Mean 519.8
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.003847
Std Dev 0.9632
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr1_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.341e+04 / 51
p0 1113 ± 1.069
1600
1500
1400
1300
1200
1100
1000
900
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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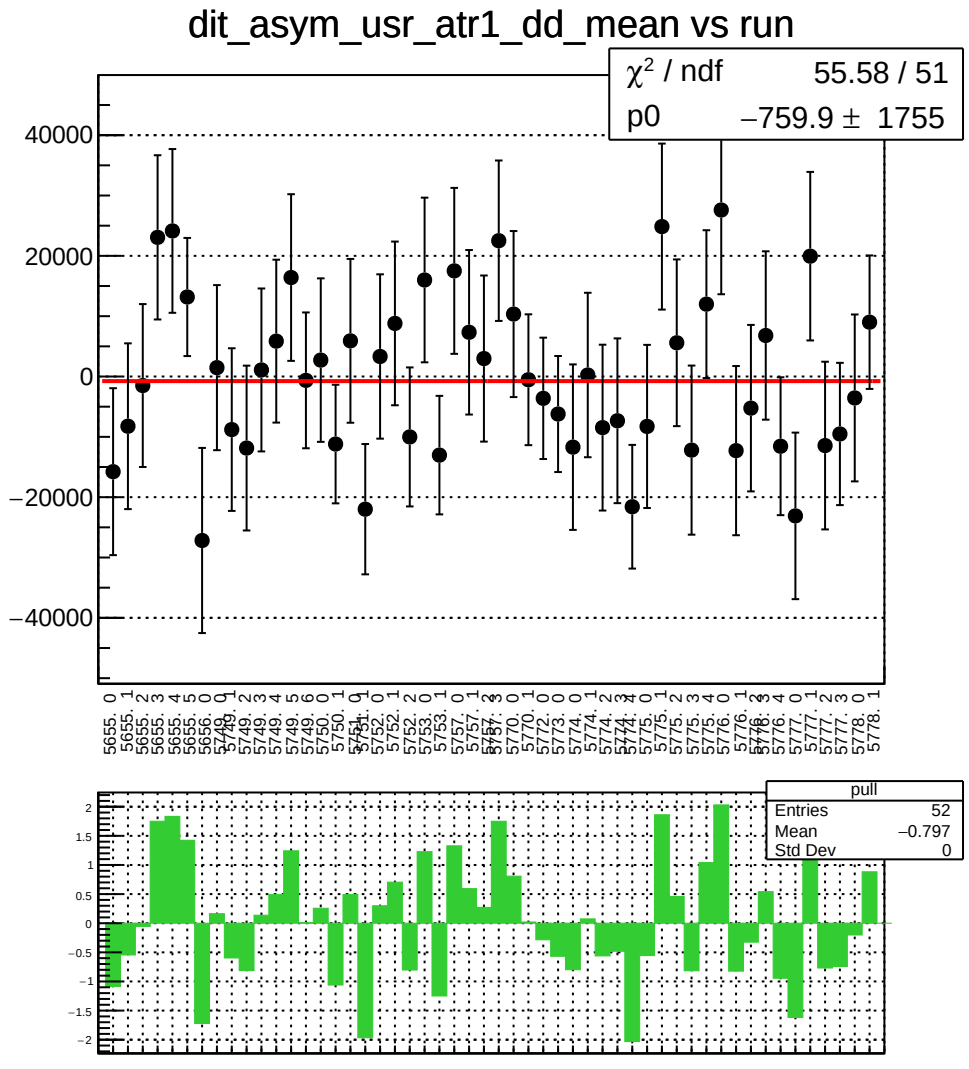
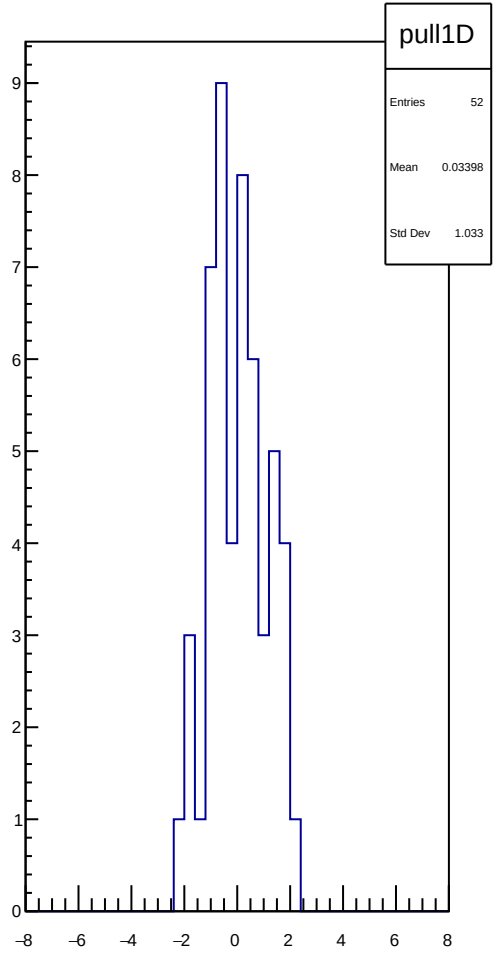
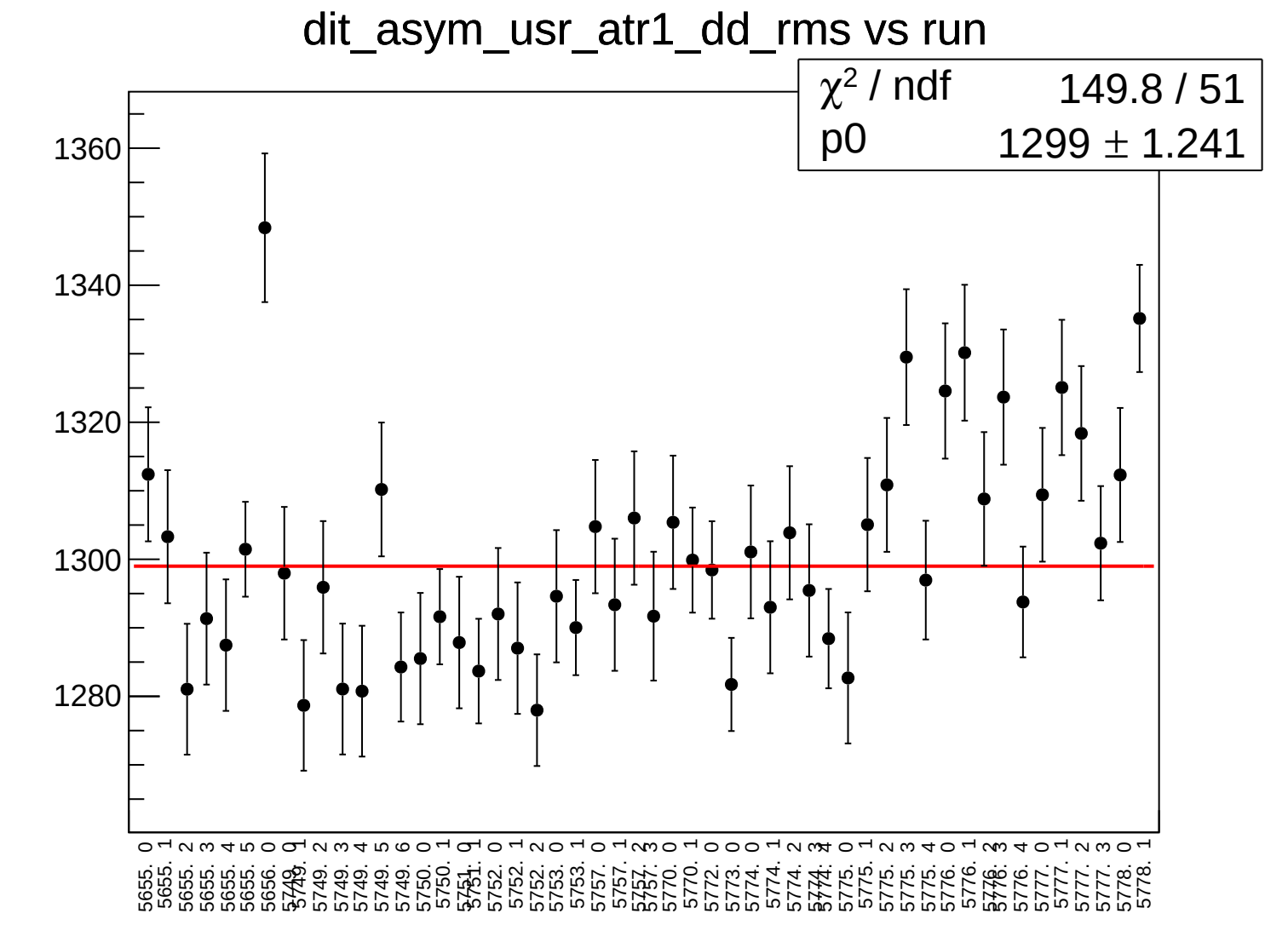
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 55.58 / 51
p0 −759.9 ± 1755
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −0.797
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean 0.03398
Std Dev 1.033
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 149.8 / 51
p0 1299 ± 1.241
1360
1340
1320
1300
1280
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 2
5776. 3
5776. 4
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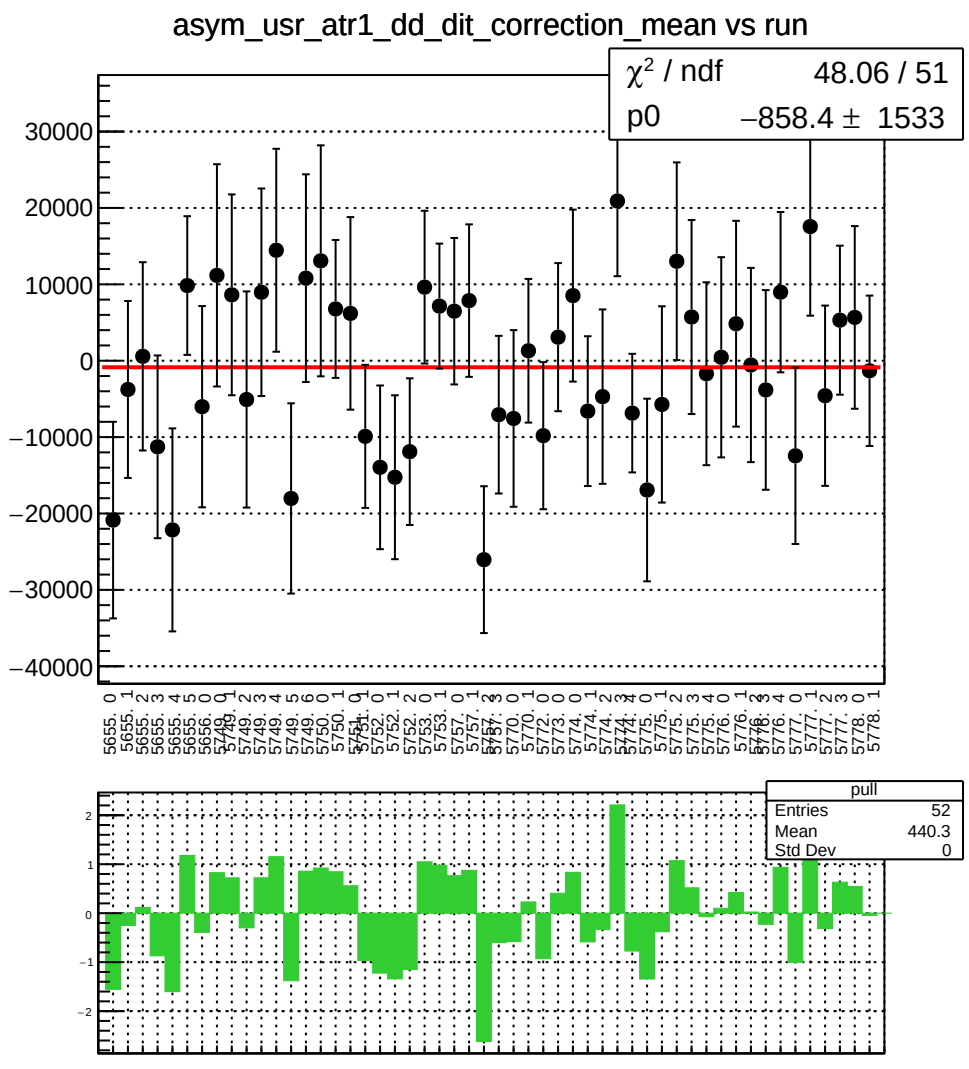
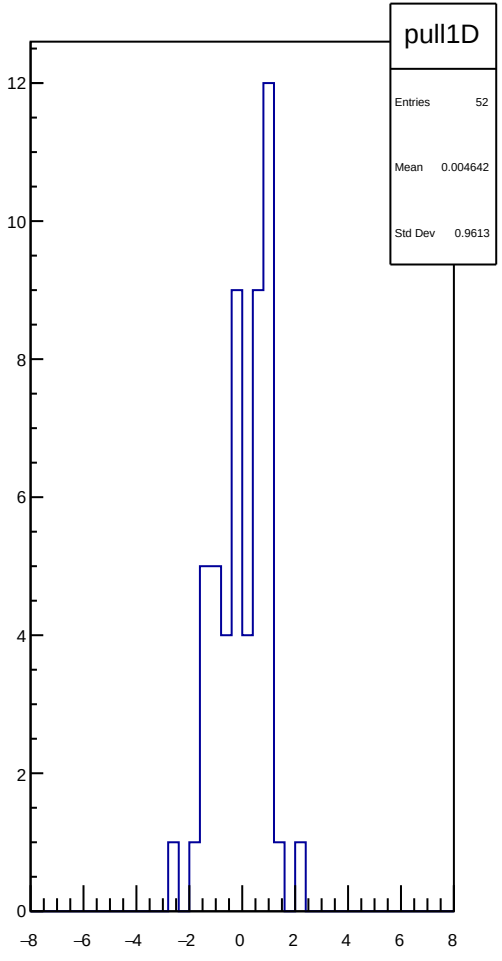
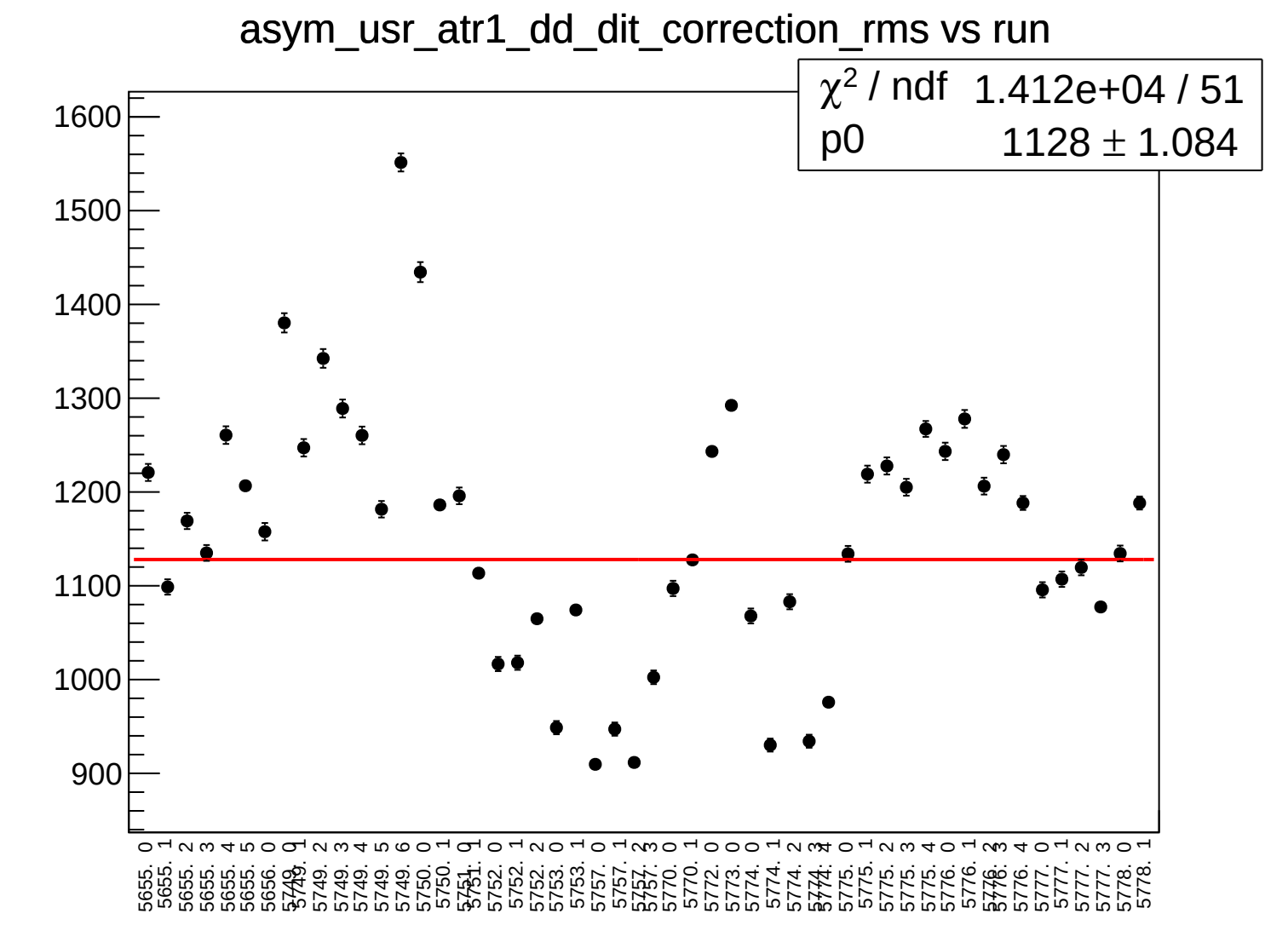
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usr_atr1_dd_dit_correction_mean vs run
χ² / ndf 48.06 / 51
p0 −858.4 ± 1533
pull
Entries 52
Mean 440.3
Std Dev 0


pull1D
Entries 52
Mean 0.004642
Std Dev 0.9613


asym_usr_atr1_dd_dit_correction_rms vs run
χ² / ndf 1.412e+04 / 51
p0 1128 ± 1.084
1600
1500
1400
1300
1200
1100
1000
900
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5757. 2
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5774. 1
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5774. 3
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5775. 2
5775. 3
5775. 4
5776. 0
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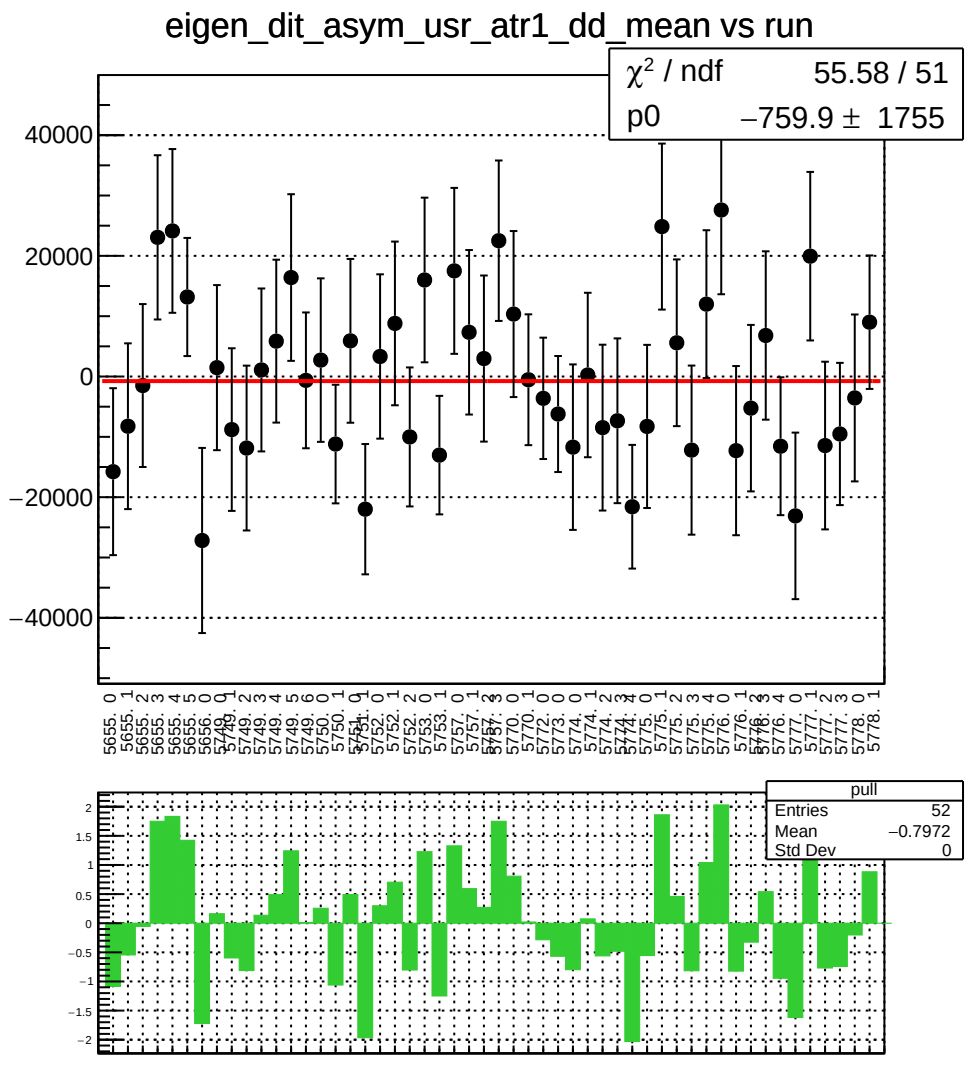
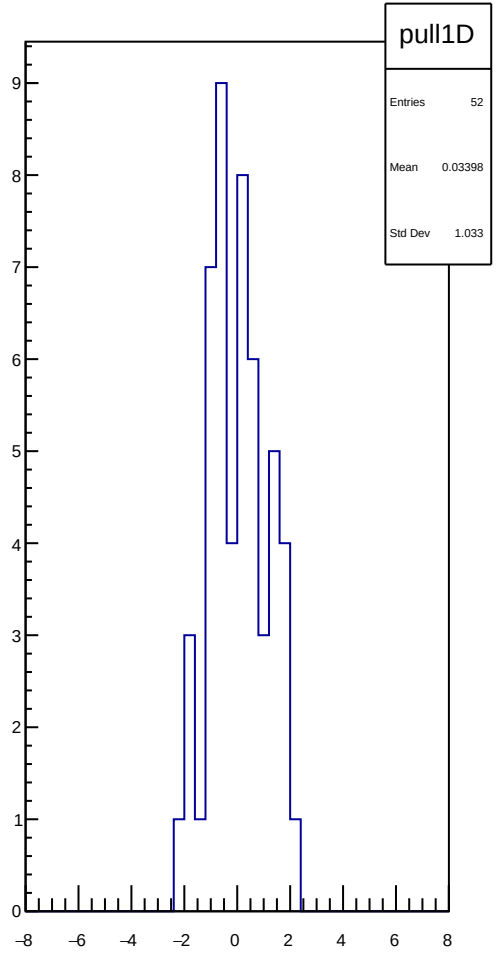
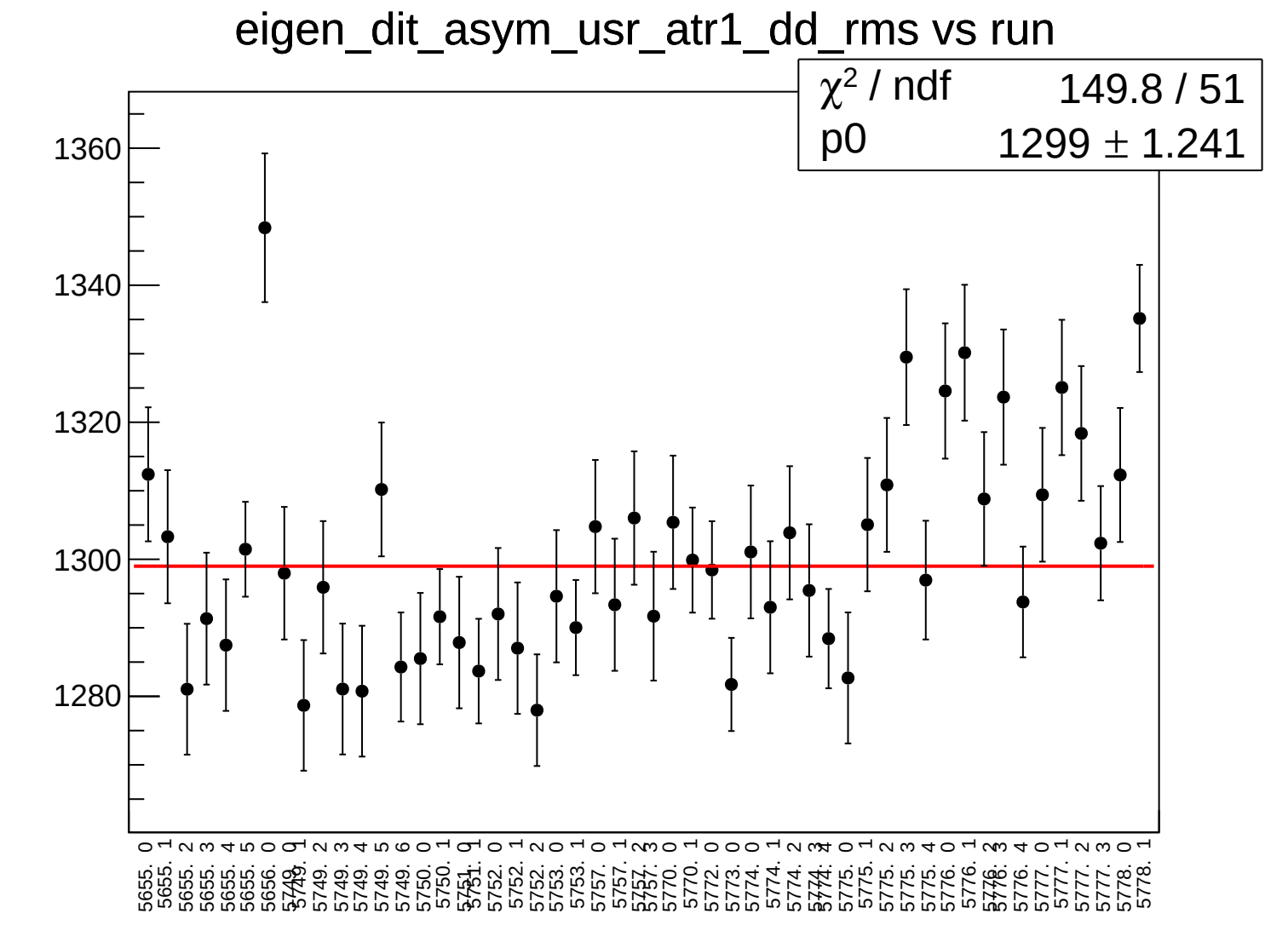
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 55.58 / 51
p0 −759.9 ± 1755
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −0.7972
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean 0.03398
Std Dev 1.033
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 149.8 / 51
p0 1299 ± 1.241
1360
1340
1320
1300
1280
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
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5749. 6
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5775. 1
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5776. 4
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5777. 1
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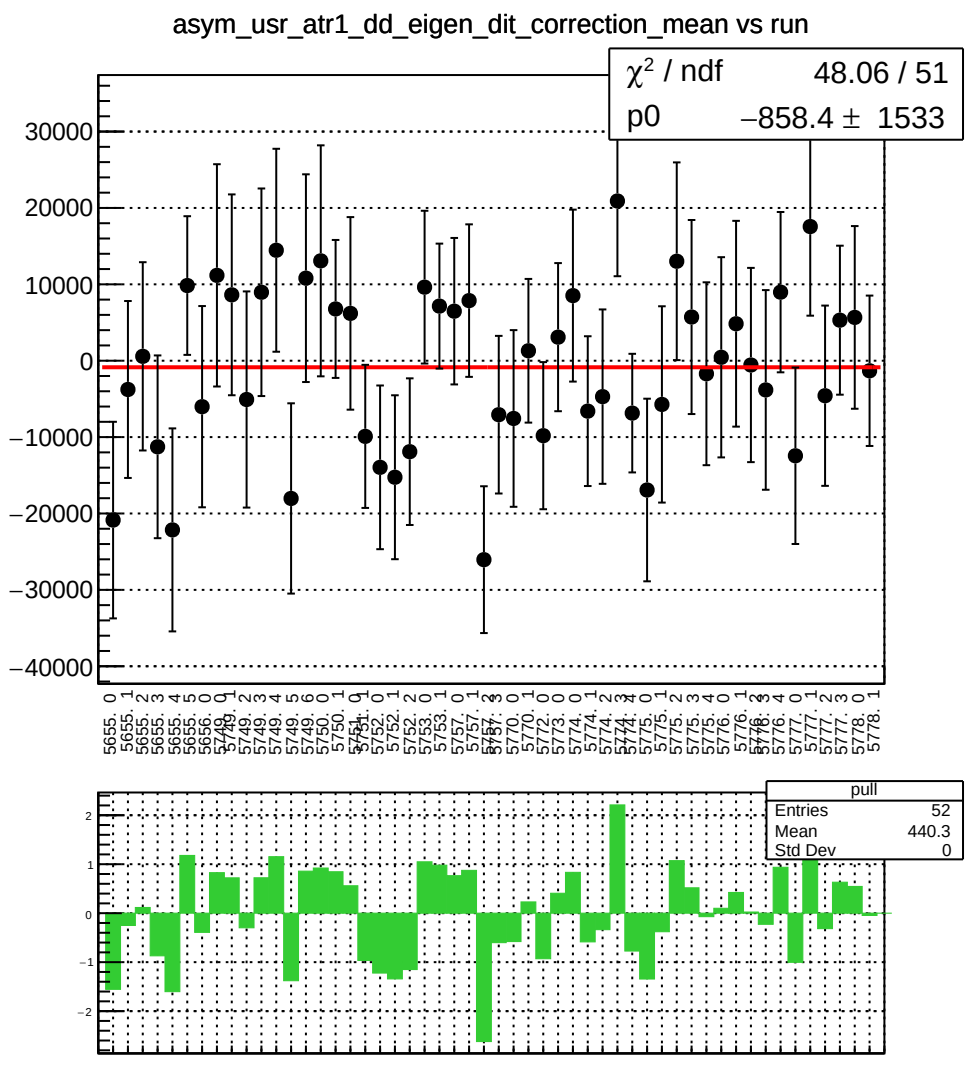
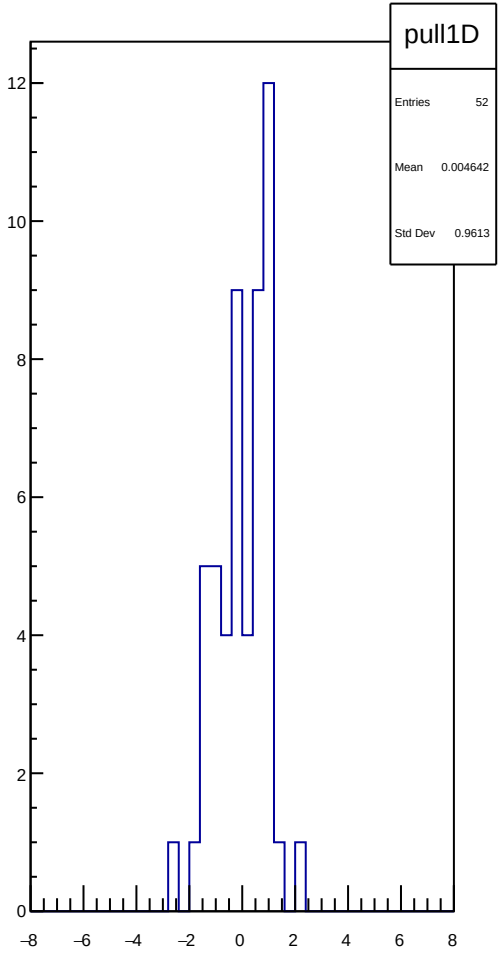
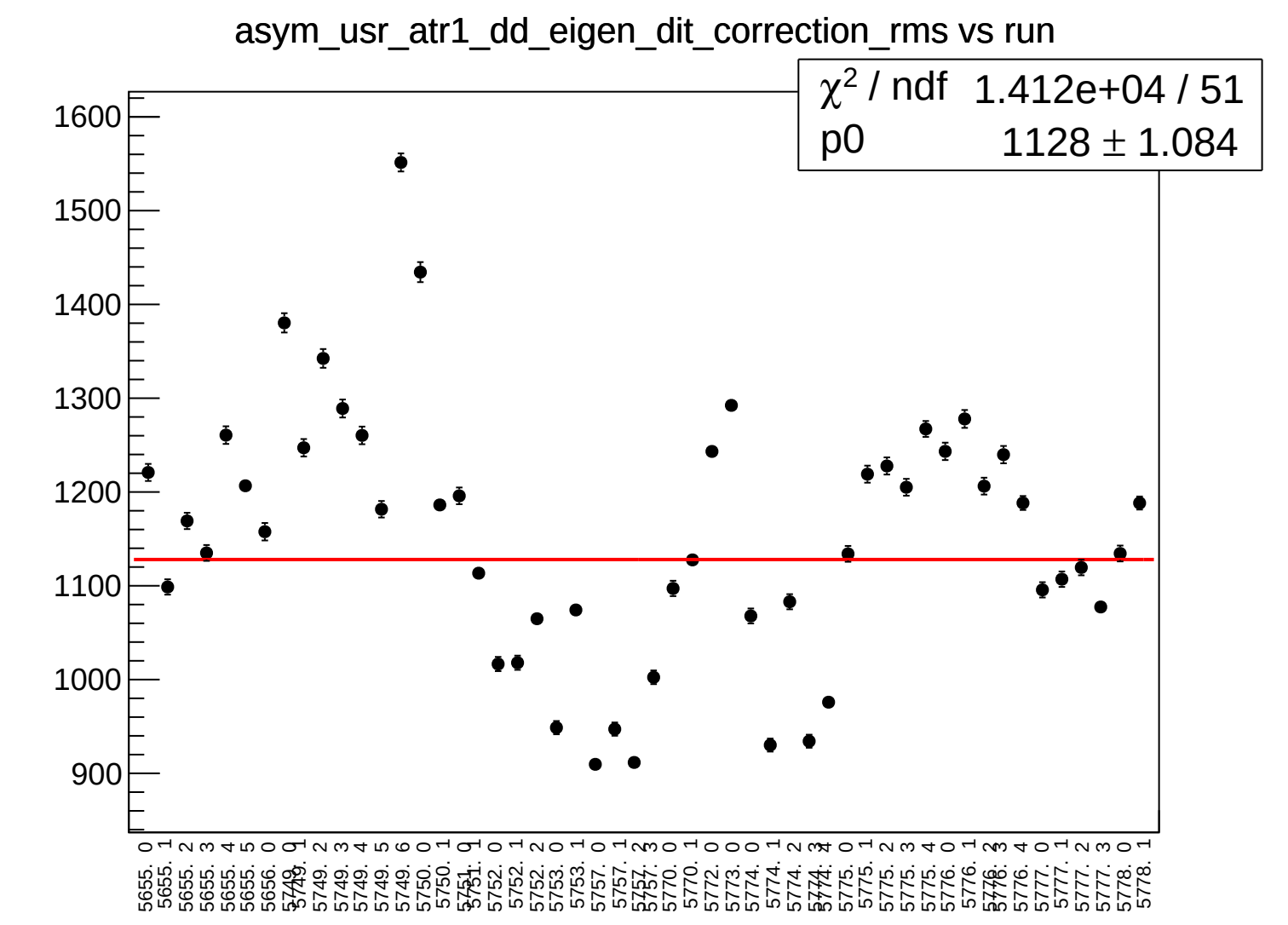
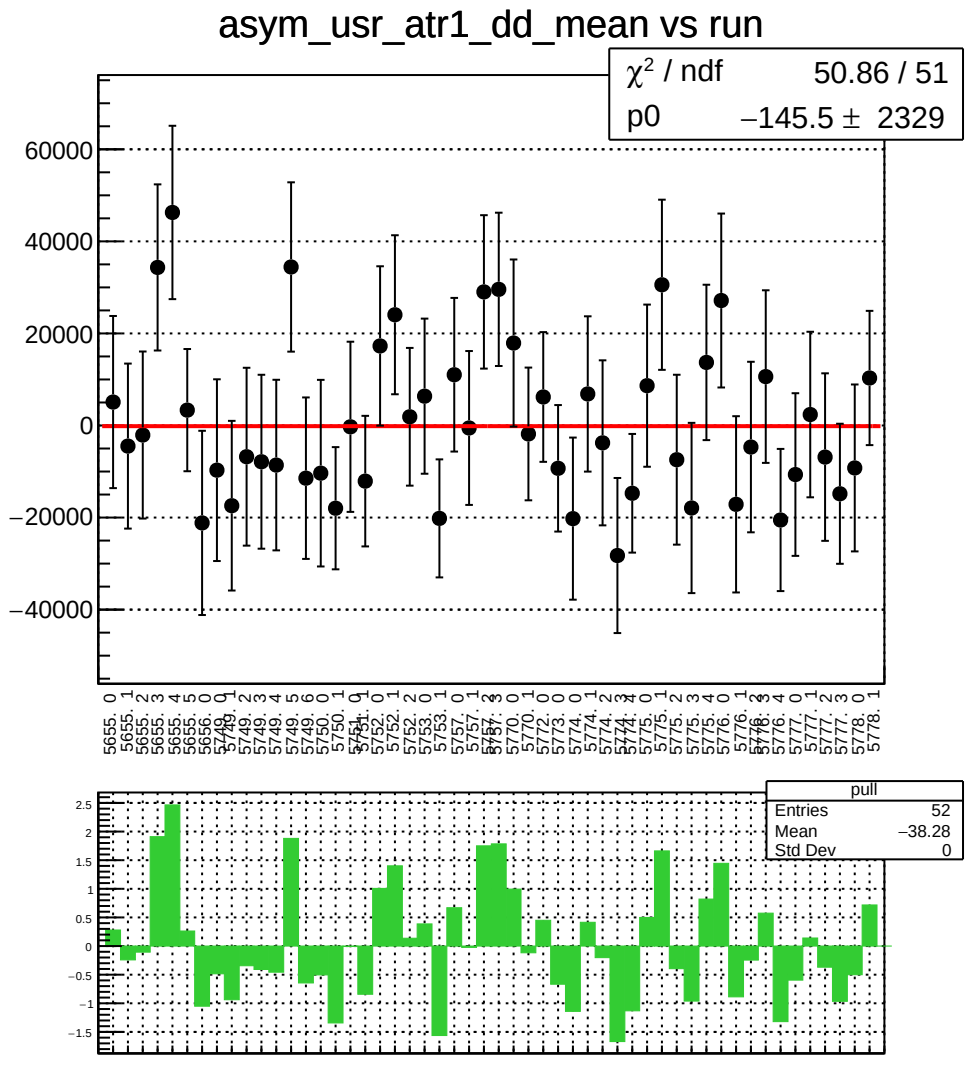
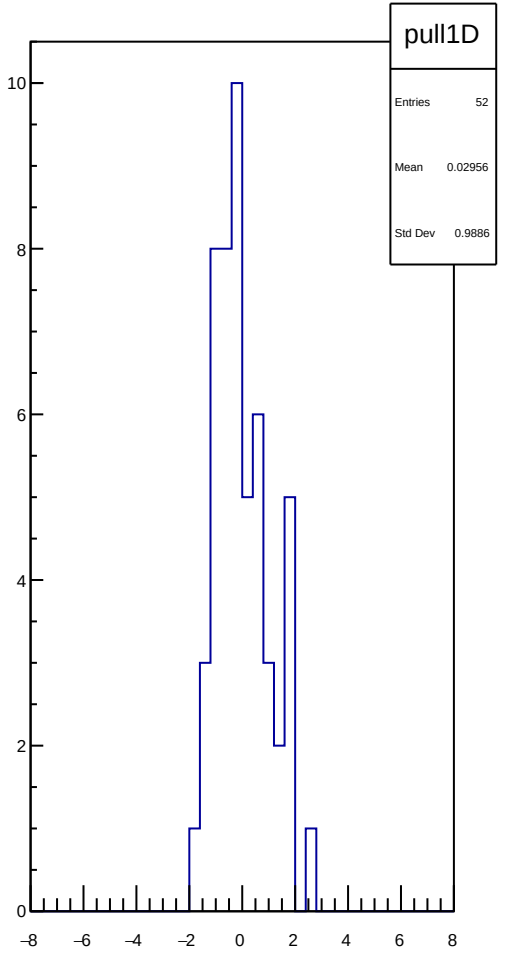
5778. 0
5778. 1

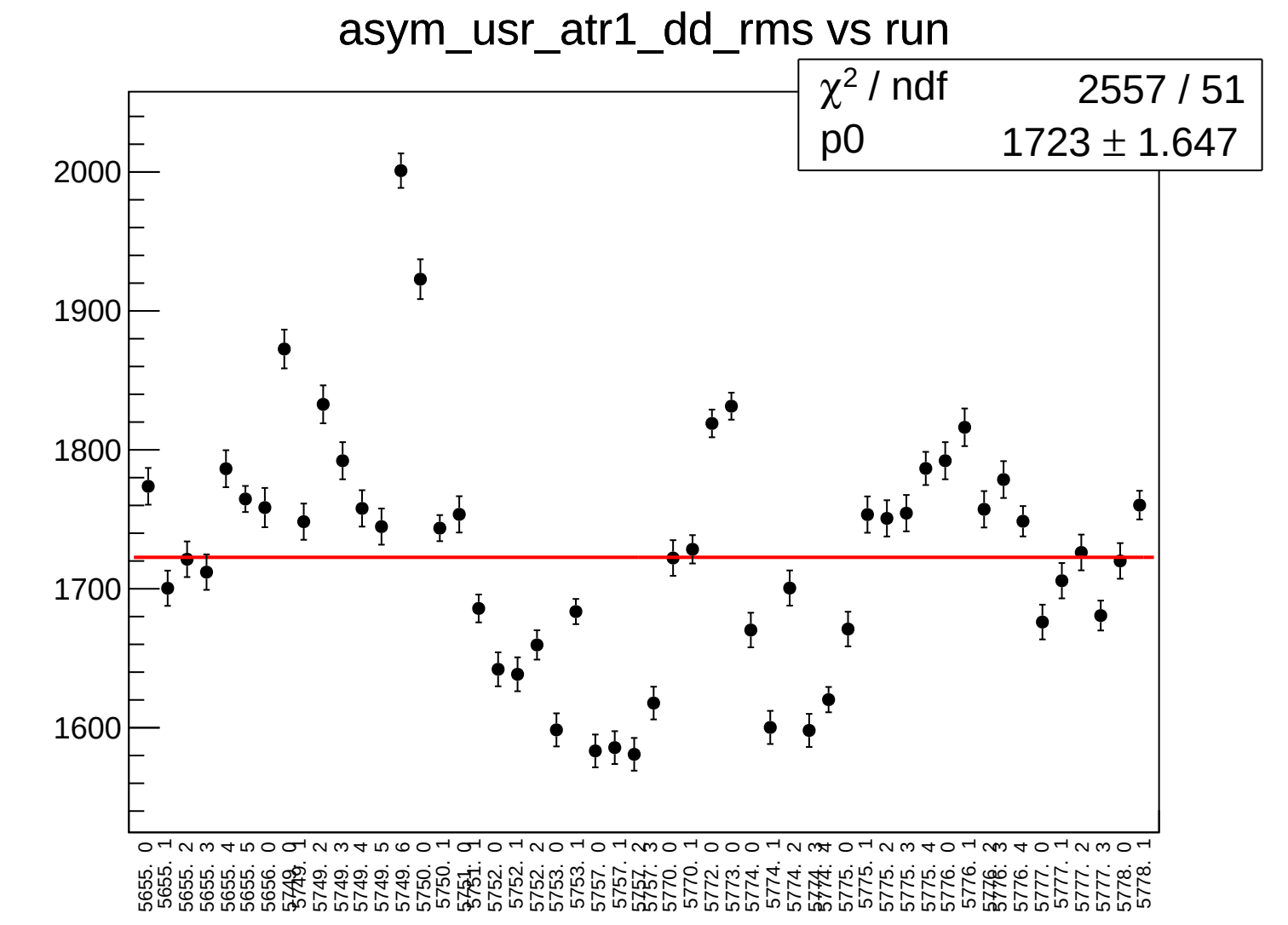

asym_usr_atr1_dd_eigen_dit_correction_mean vs run
χ² / ndf 48.06 / 51
p0 −858.4 ± 1533
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 52
Mean 440.3
Std Dev 0
2
1
0
−1
−2

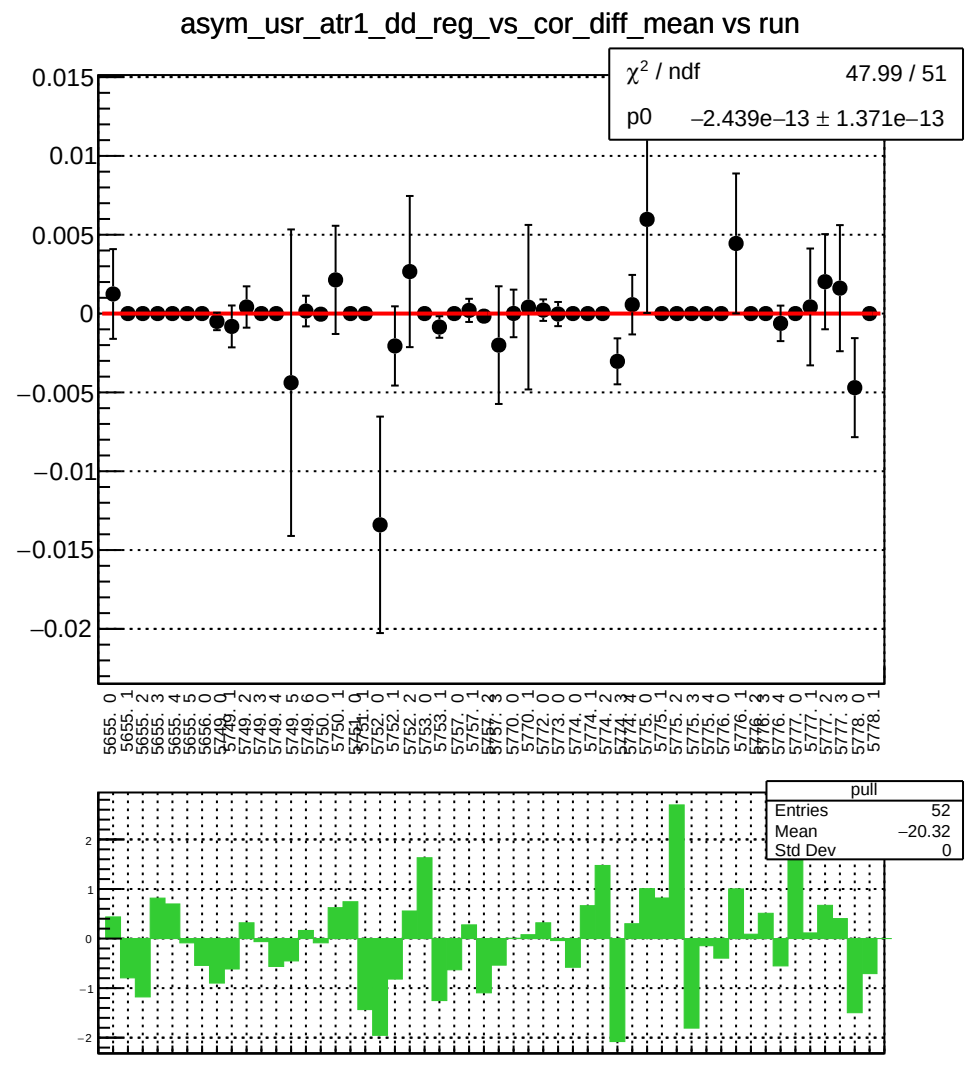

pull1D
Entries 52
Mean 0.004642
Std Dev 0.9613
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

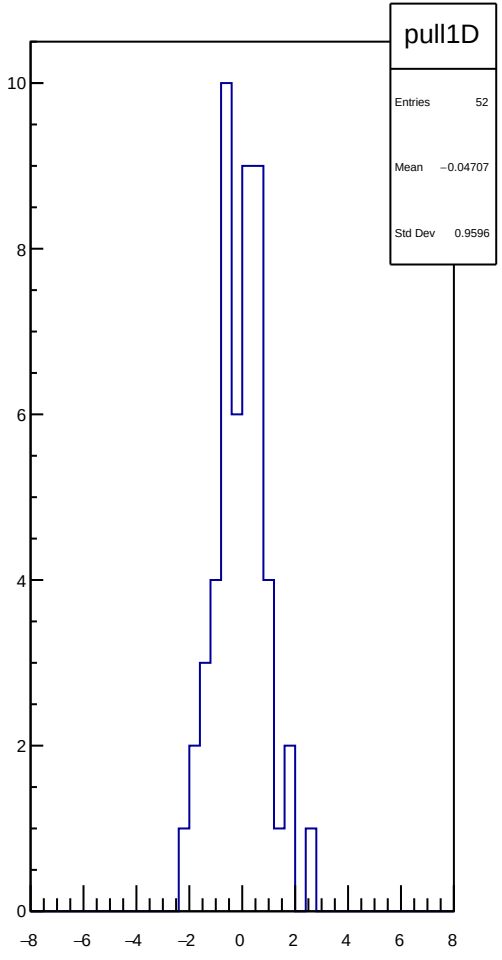

asym_usr_atr1_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.412e+04 / 51
p0 1128 ± 1.084
1600
1500
1400
1300
1200
1100
1000
900
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

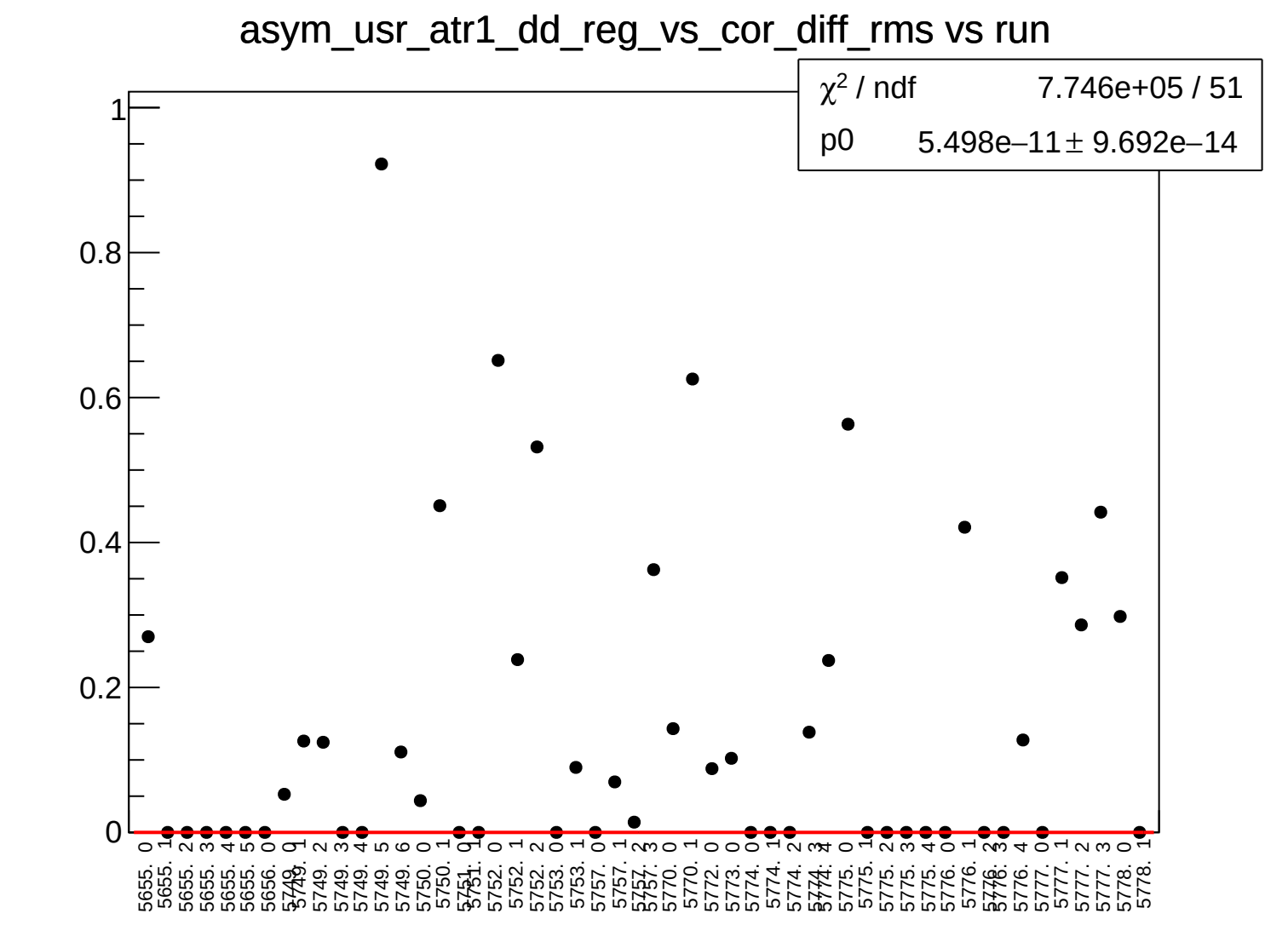

asym_usr_atr1_dd_mean vs run
χ² / ndf 50.86 / 51
p0 −145.5 ± 2329
60000
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −38.28
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

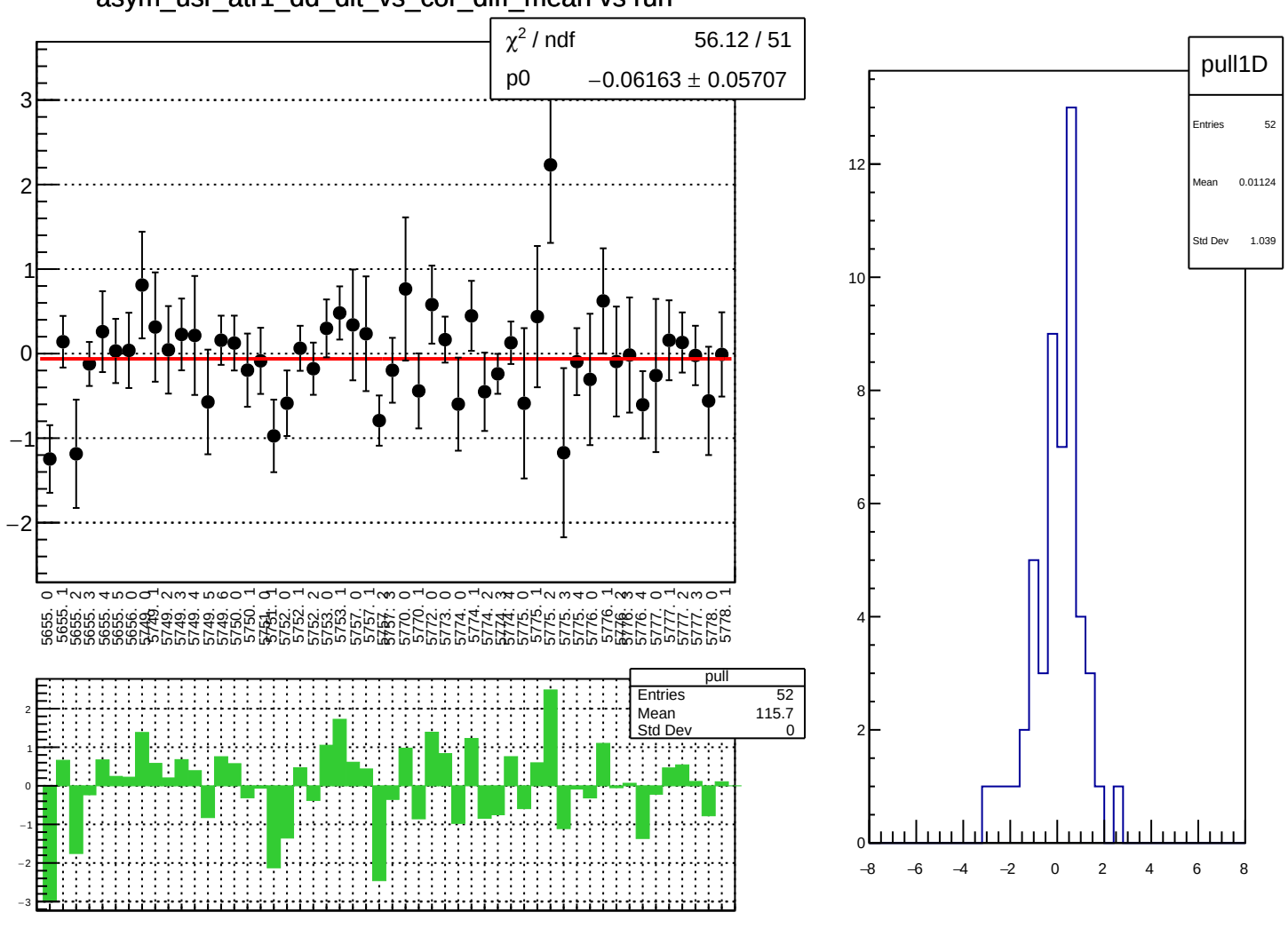

pull1D
Entries 52
Mean 0.02956
Std Dev 0.9886
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

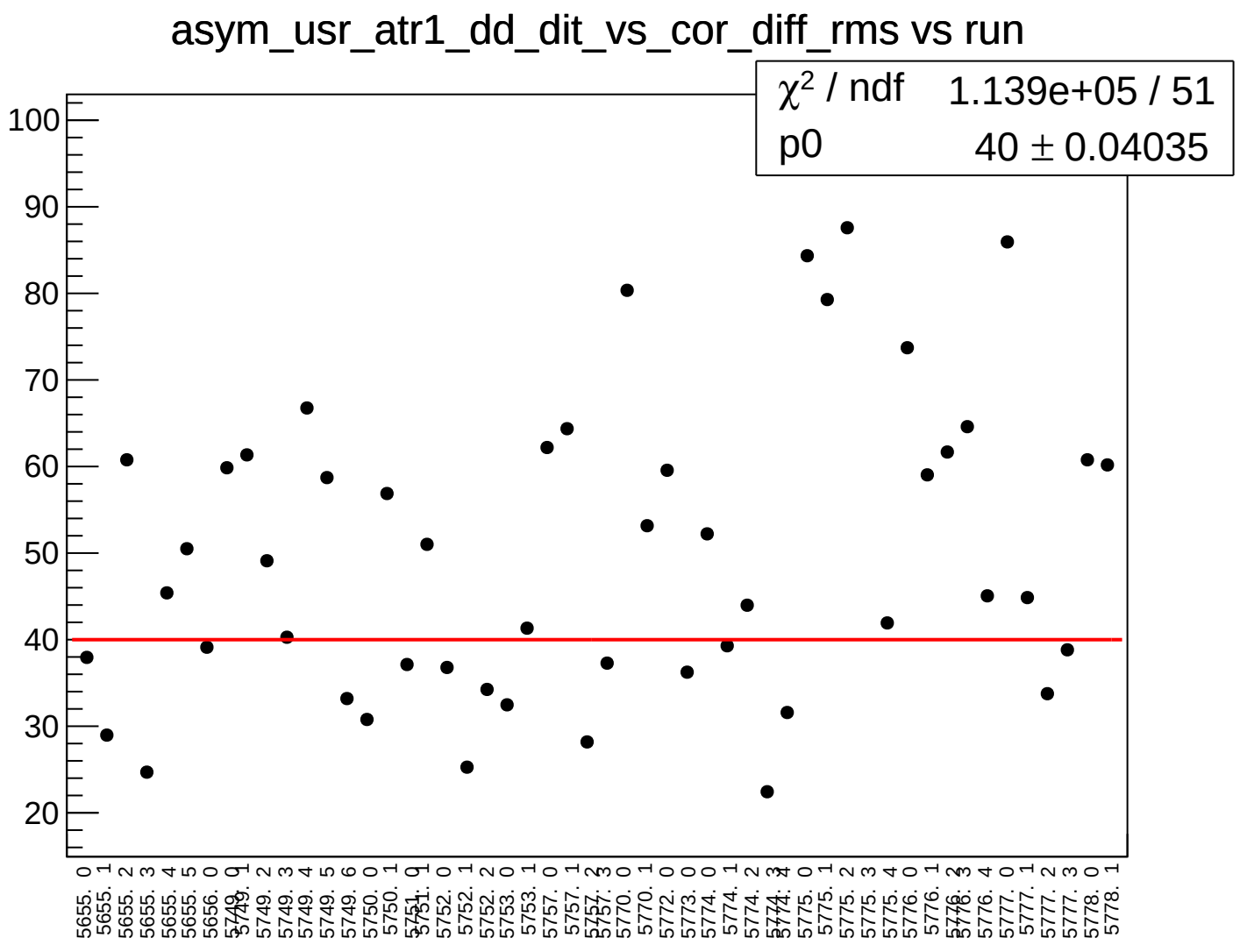

asym_usr_atr1_dd_rms vs run
χ² / ndf 2557 / 51
p0 1723 ± 1.647
2000
1900
1800
1700
1600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

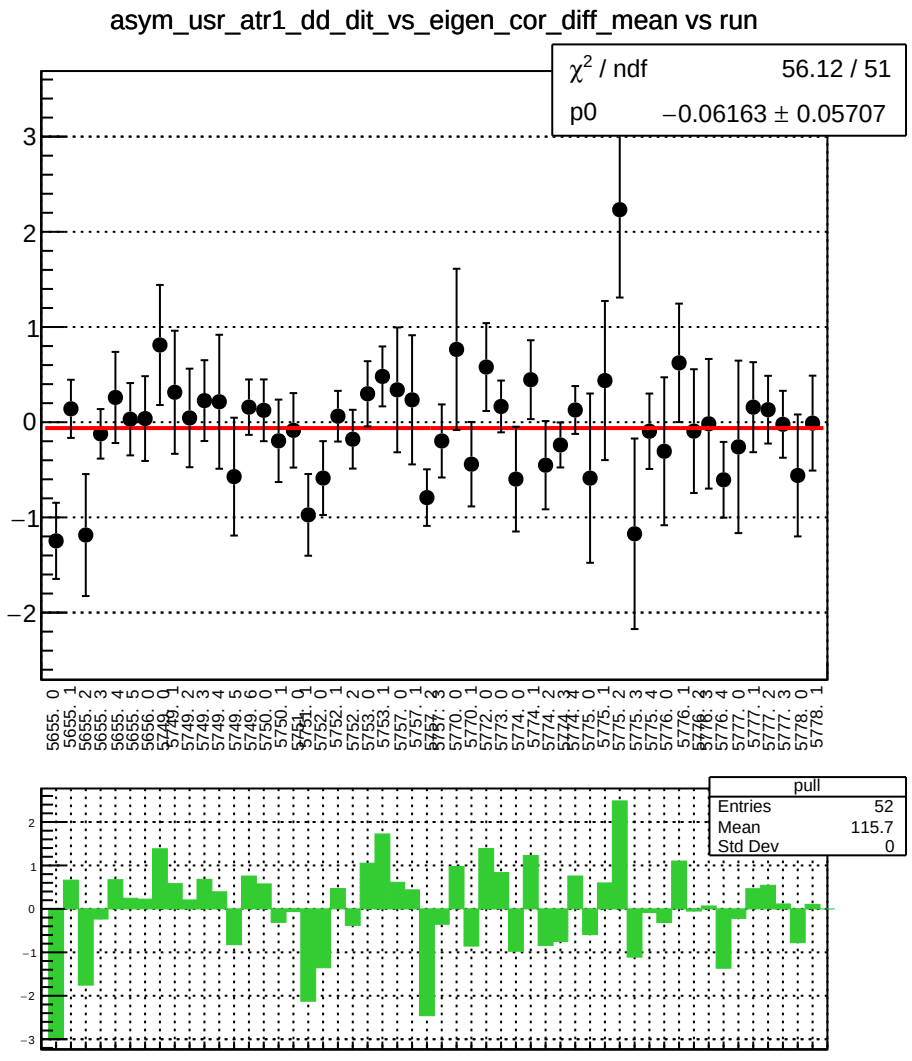

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 47.99 / 51
p0 −2.439e−13 ± 1.371e−13
pull
Entries 52
Mean −20.32
Std Dev 0

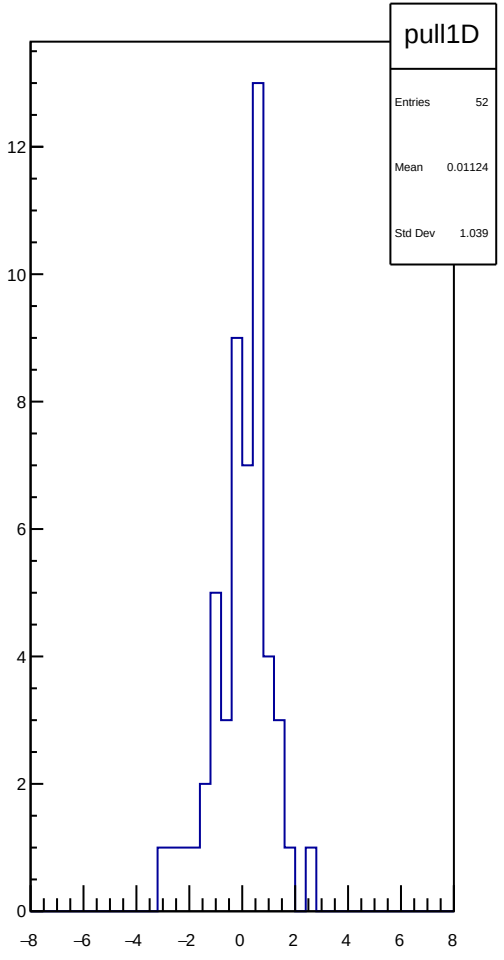

pull1D
Entries 52
Mean −0.04707
Std Dev 0.9596

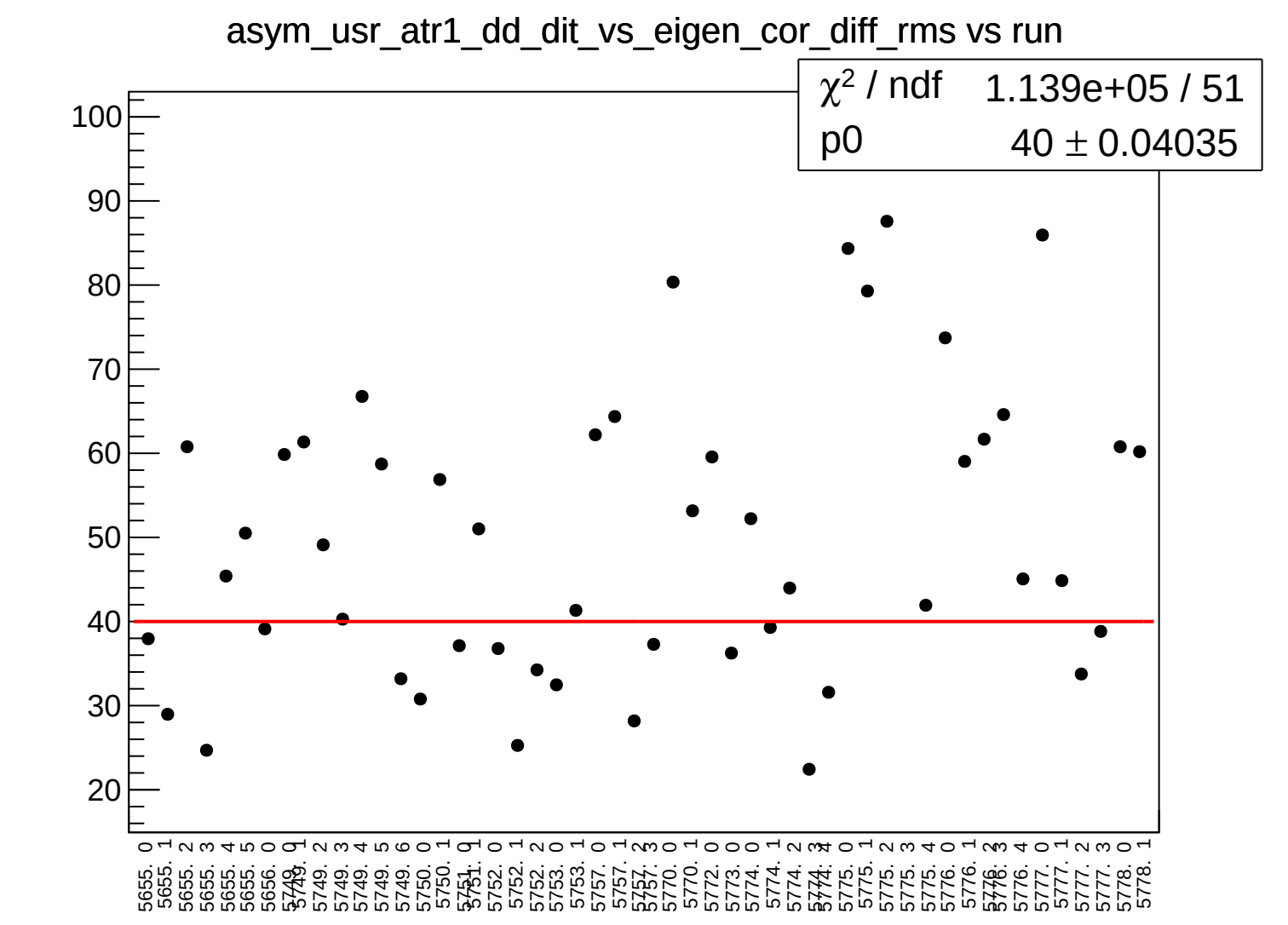

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.746e+05 / 51
p0 5.498e−11 ± 9.692e−14
1
0.8
0.6
0.4
0.2
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

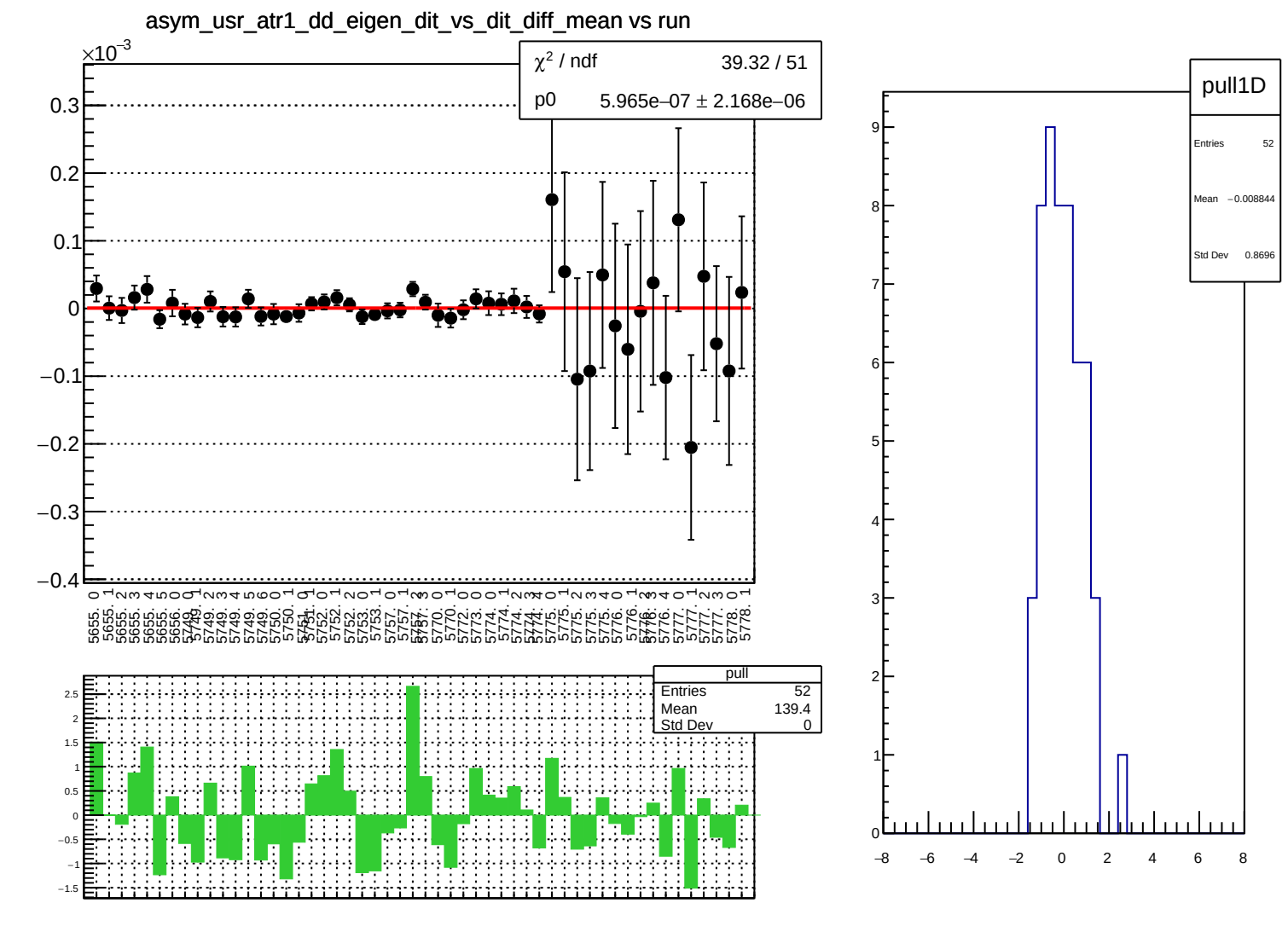

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 56.12 / 51
p0 −0.06163 ± 0.05707
pull
Entries 52
Mean 115.7
Std Dev 0
pull1D
Entries 52
Mean 0.01124
Std Dev 1.039

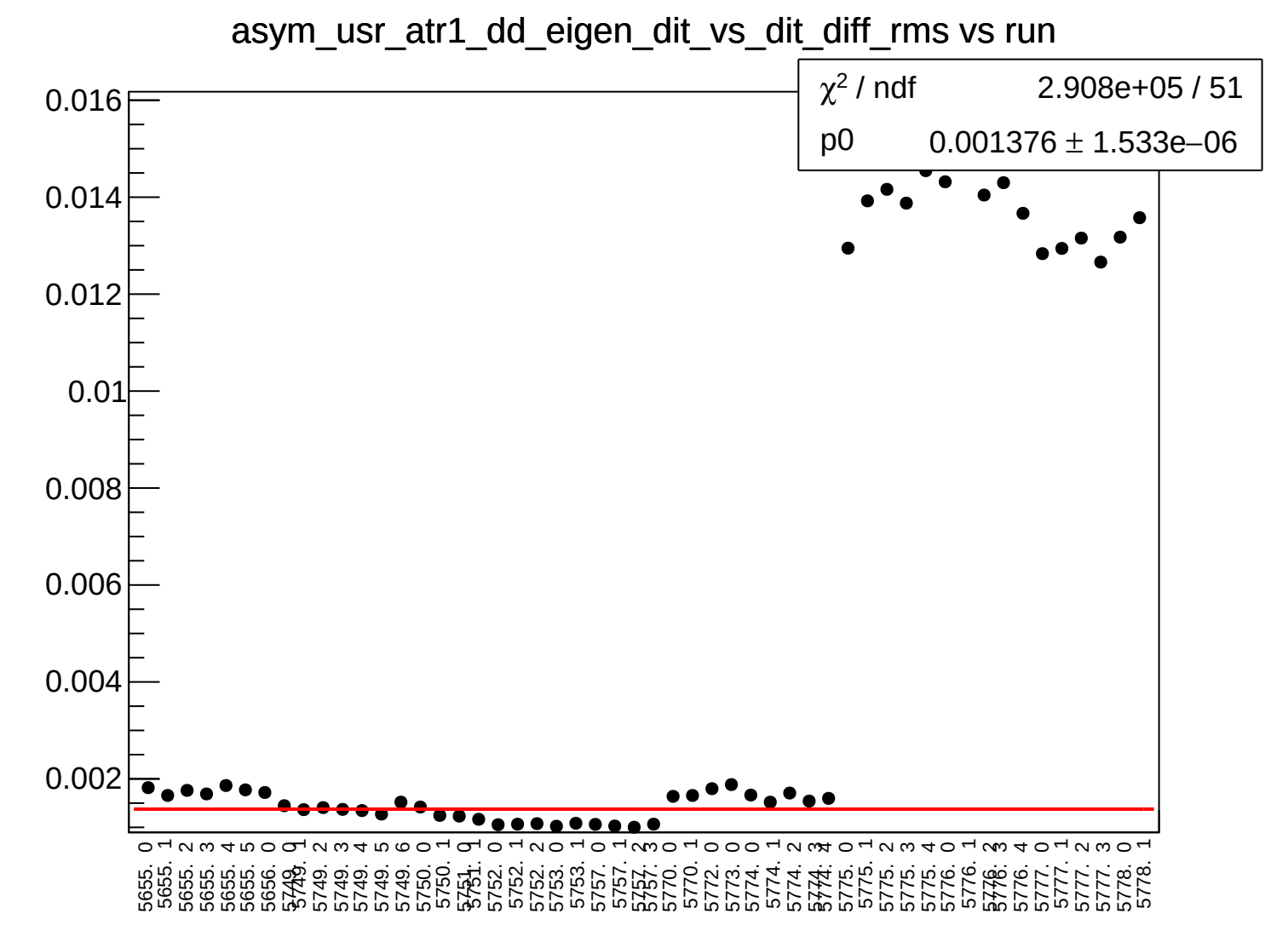

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.139e+05 / 51
p0 40 ± 0.04035
100
90
80
70
60
50
40
30
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

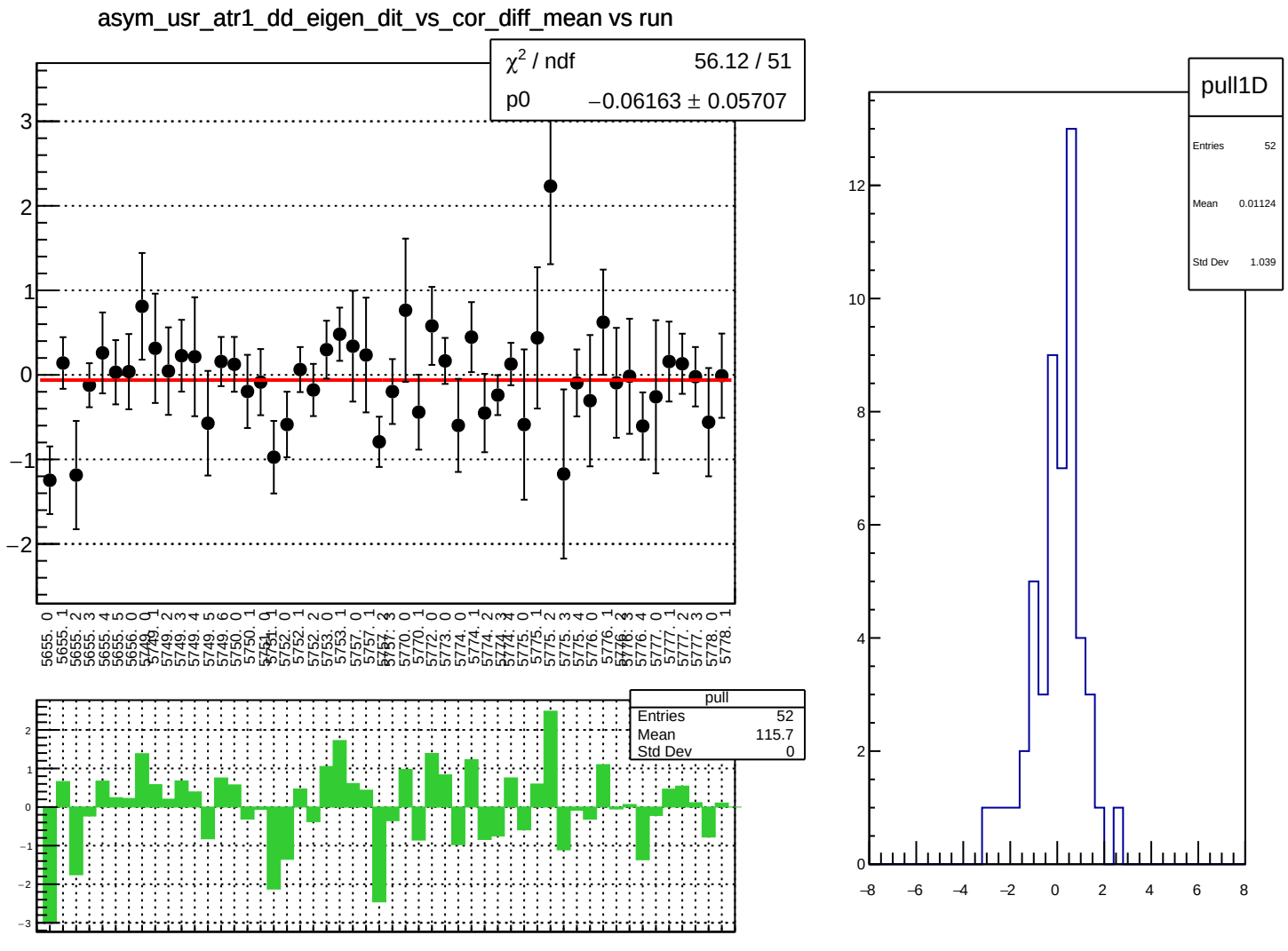

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.12 / 51
p0 −0.06163 ± 0.05707
pull
Entries 52
Mean 115.7
Std Dev 0

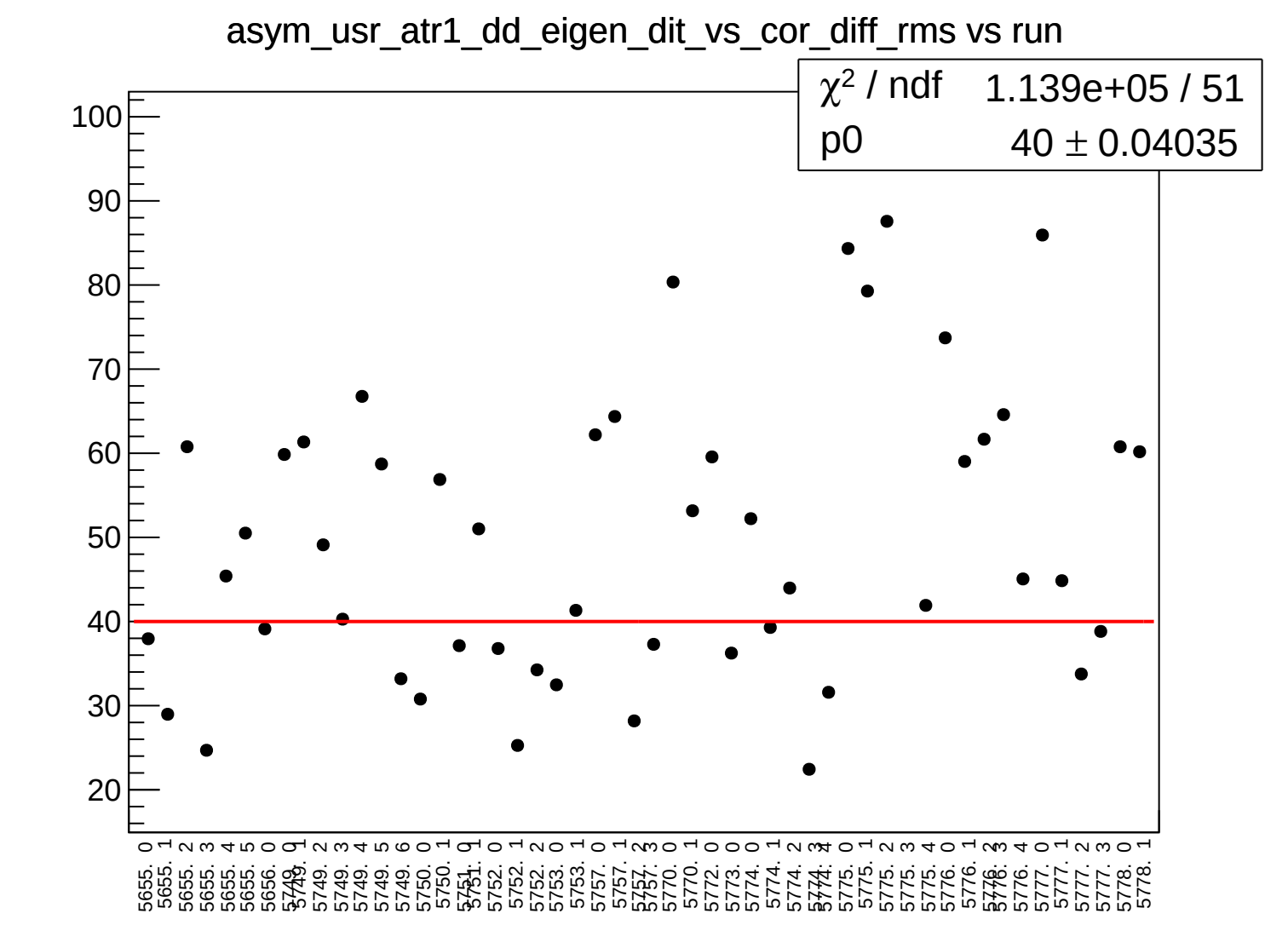

pull1D
Entries 52
Mean 0.01124
Std Dev 1.039


asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.139e+05 / 51
p0 40 ± 0.04035
100
90
80
70
60
50
40
30
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 39.32 / 51
p0 5.965e−07 ± 2.168e−06
pull
Entries 52
Mean 139.4
Std Dev 0
pull1D
Entries 52
Mean −0.008844
Std Dev 0.8696


asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.908e+05 / 51
p0 0.001376 ± 1.533e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.12 / 51
p0 −0.06163 ± 0.05707
pull
Entries 52
Mean 115.7
Std Dev 0
pull1D
Entries 52
Mean 0.01124
Std Dev 1.039


asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.139e+05 / 51
p0 40 ± 0.04035
100
90
80
70
60
50
40
30
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
5777. 0
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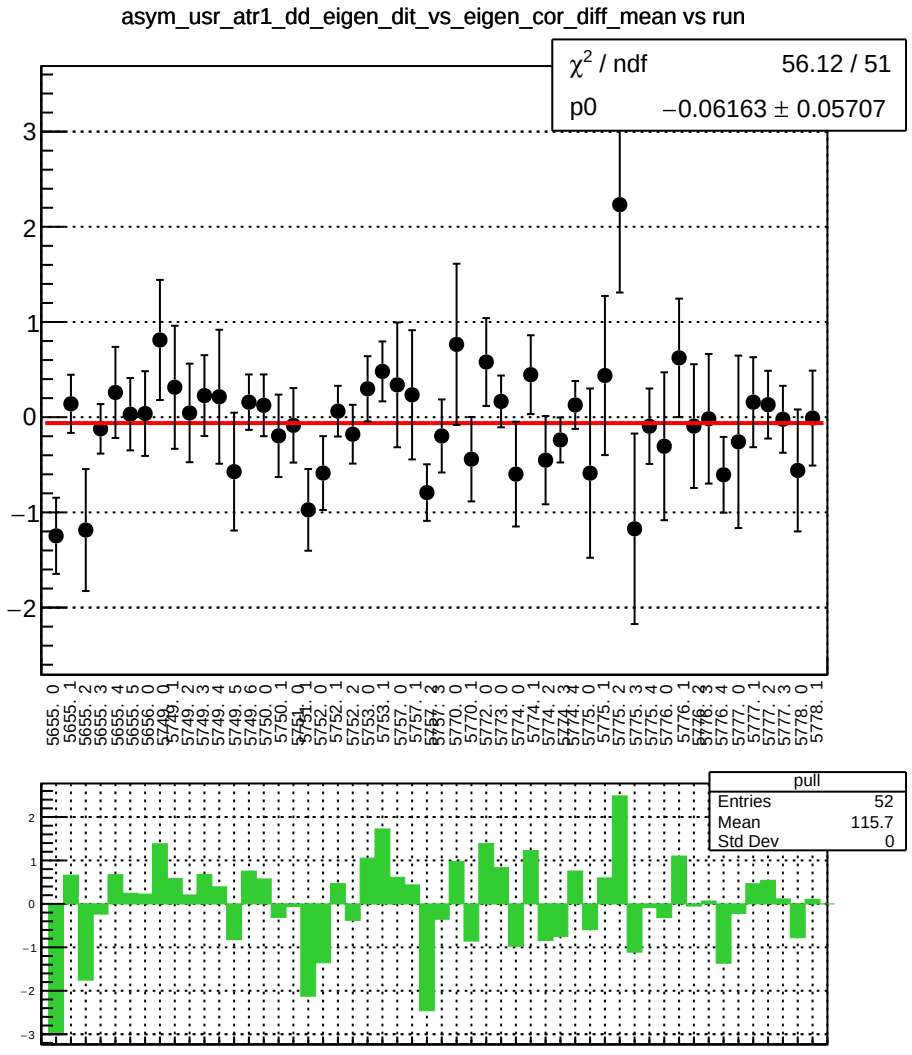
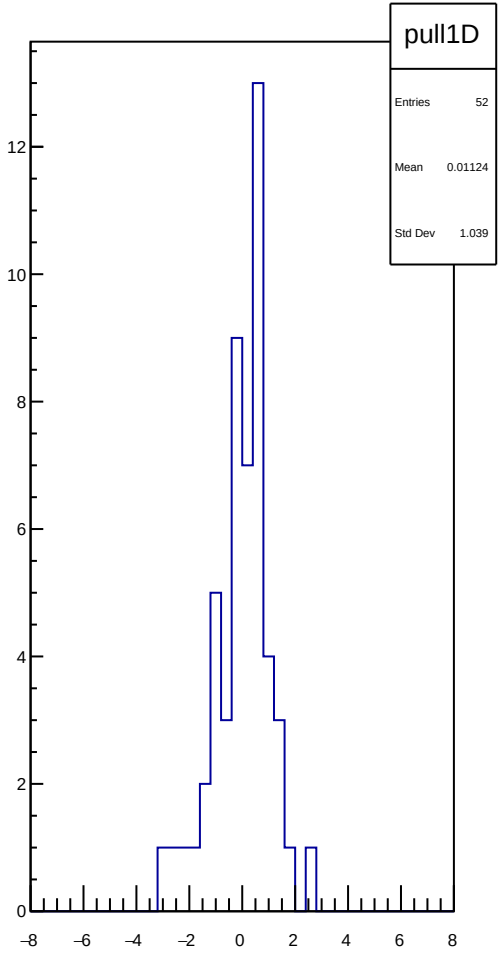
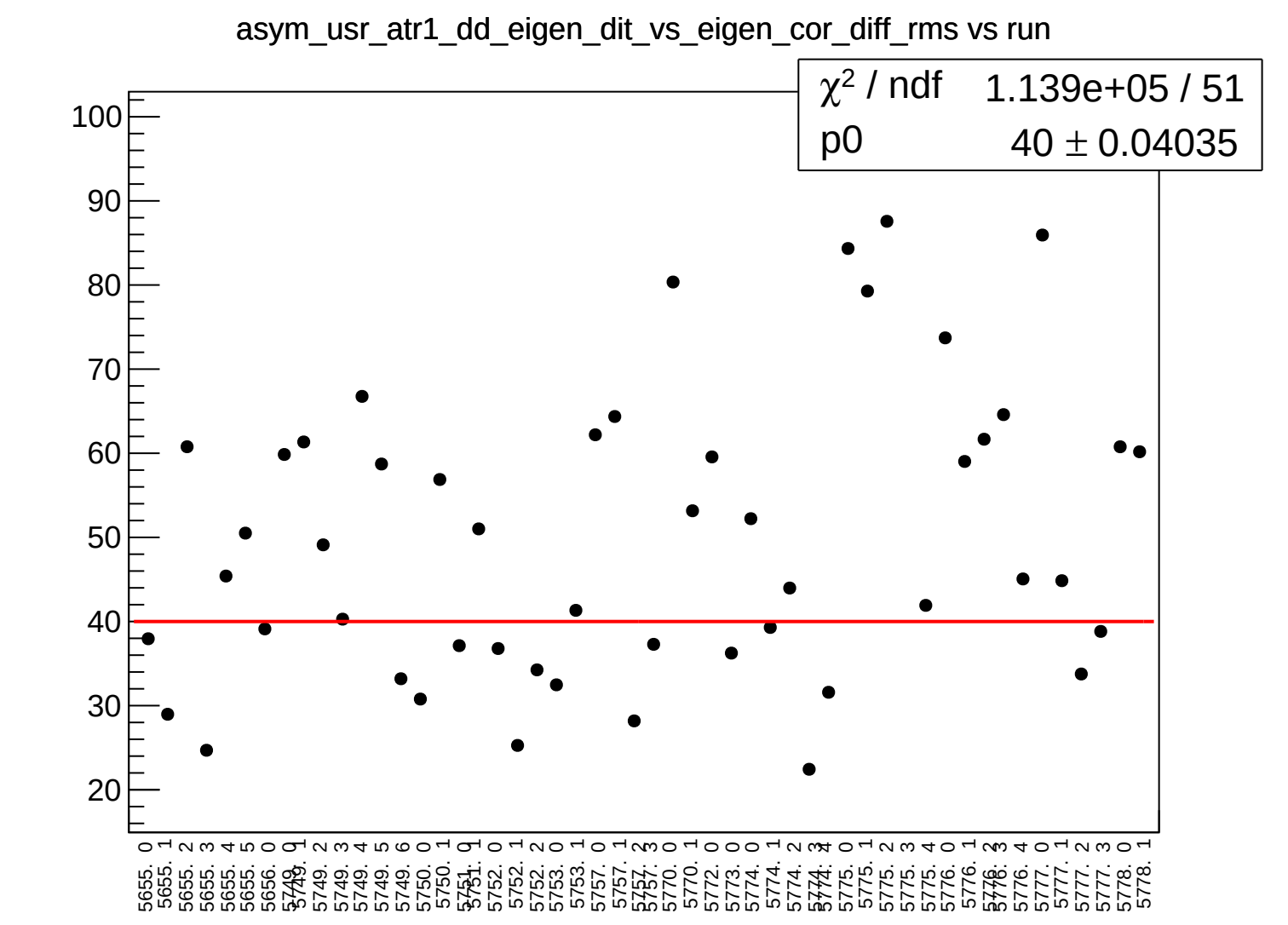
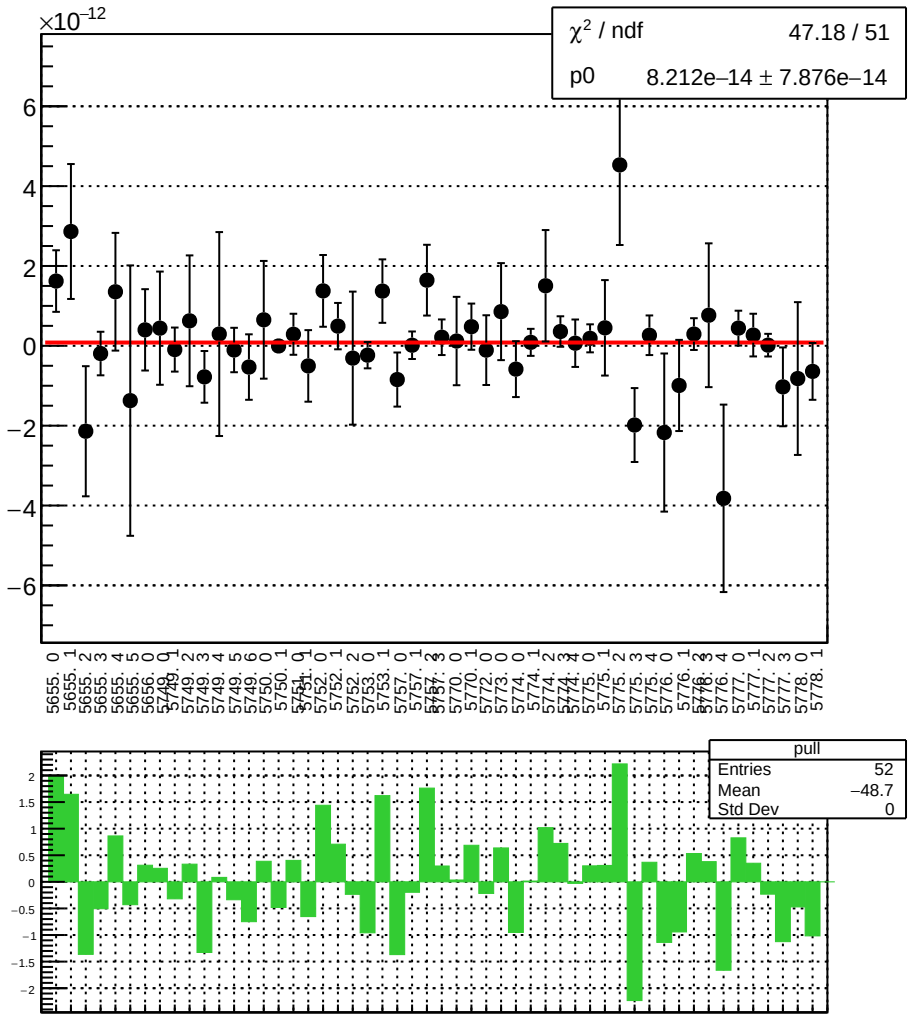
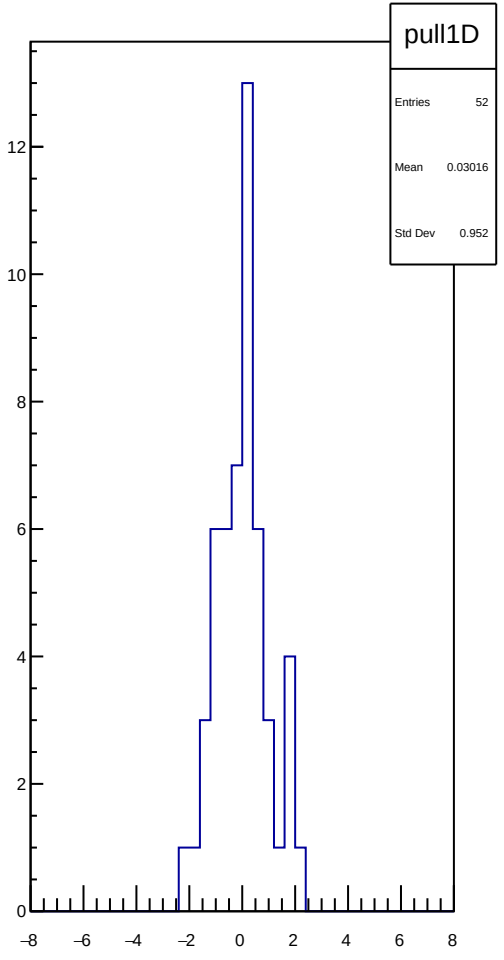
5777. 2
5777. 3
5778. 0
5778. 1

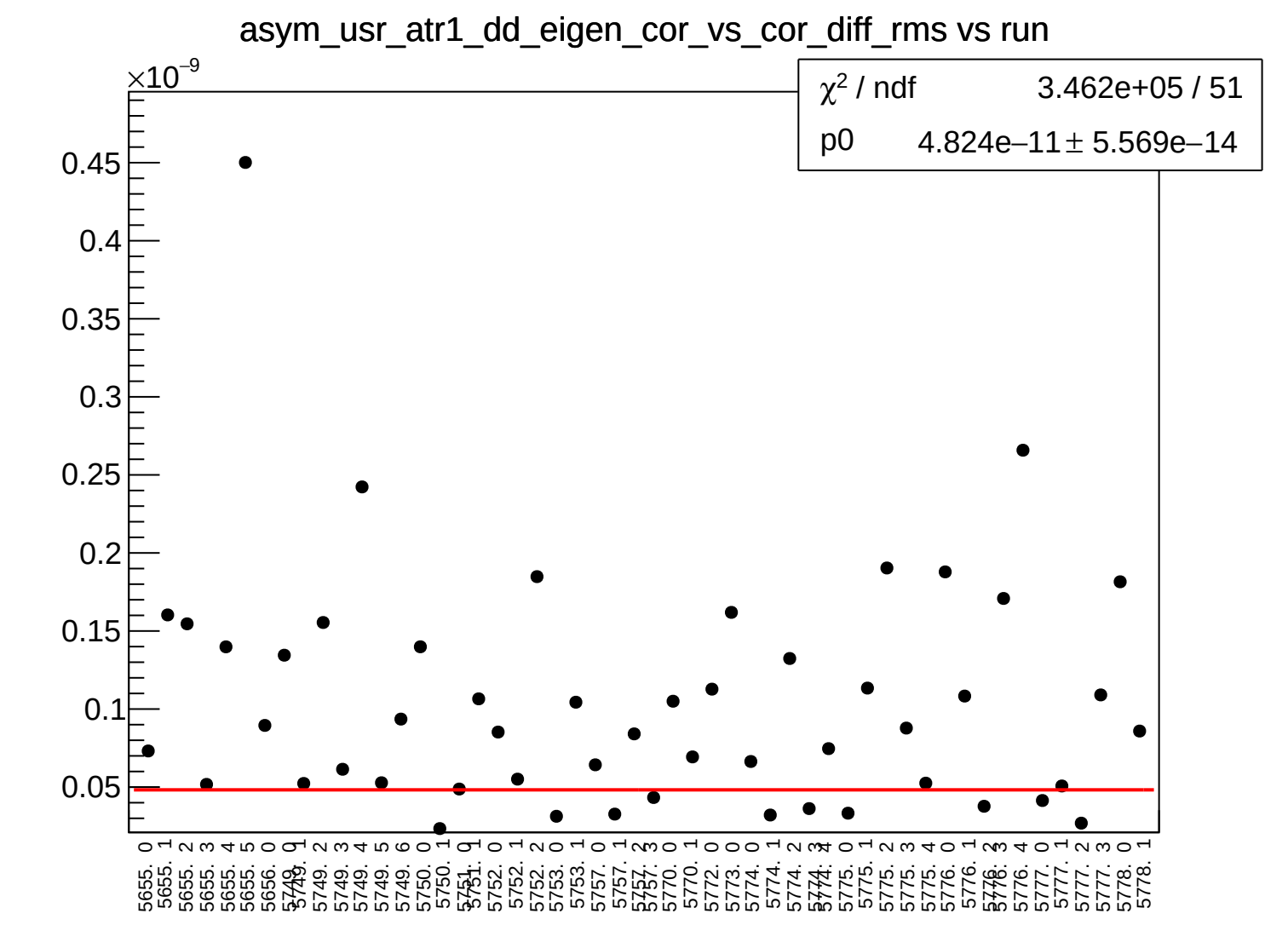

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.12 / 51
p0 −0.06163 ± 0.05707
pull
Entries 52
Mean 115.7
Std Dev 0

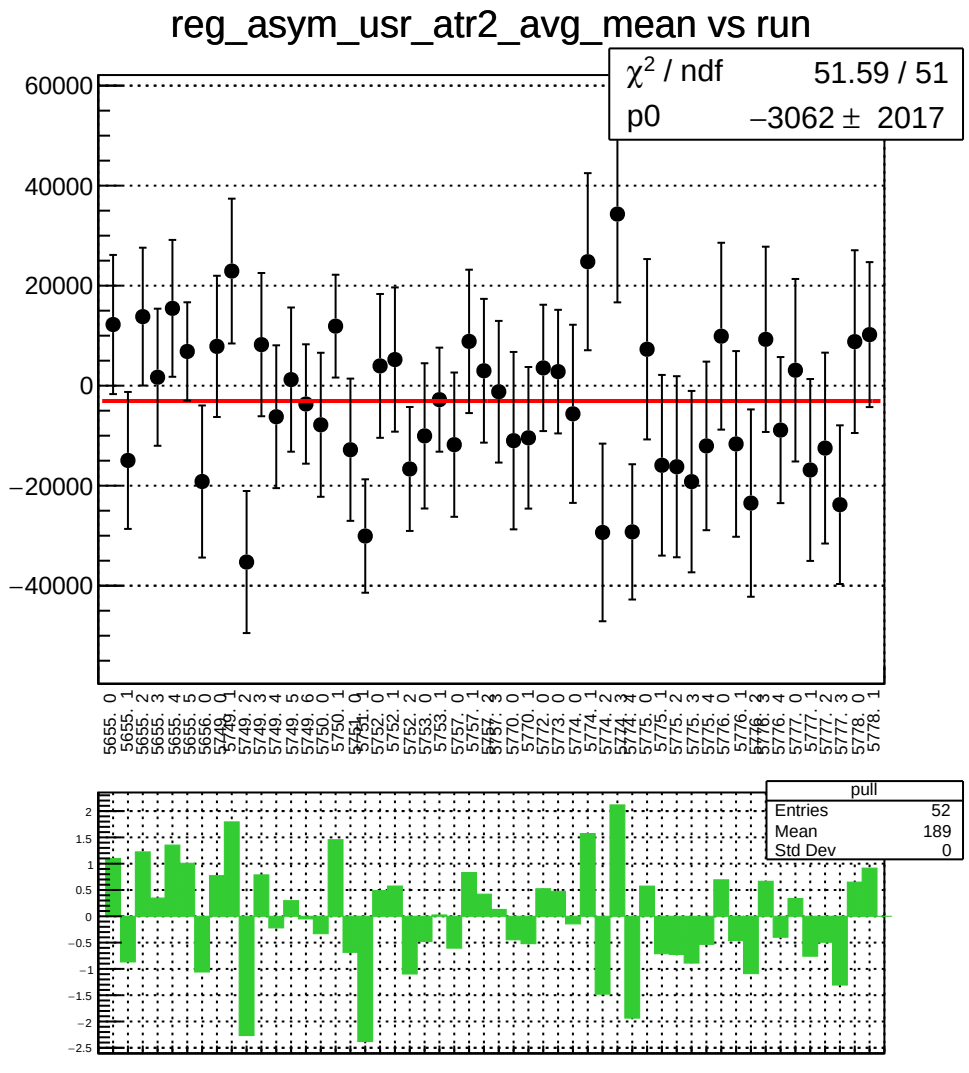

pull1D
Entries 52
Mean 0.01124
Std Dev 1.039

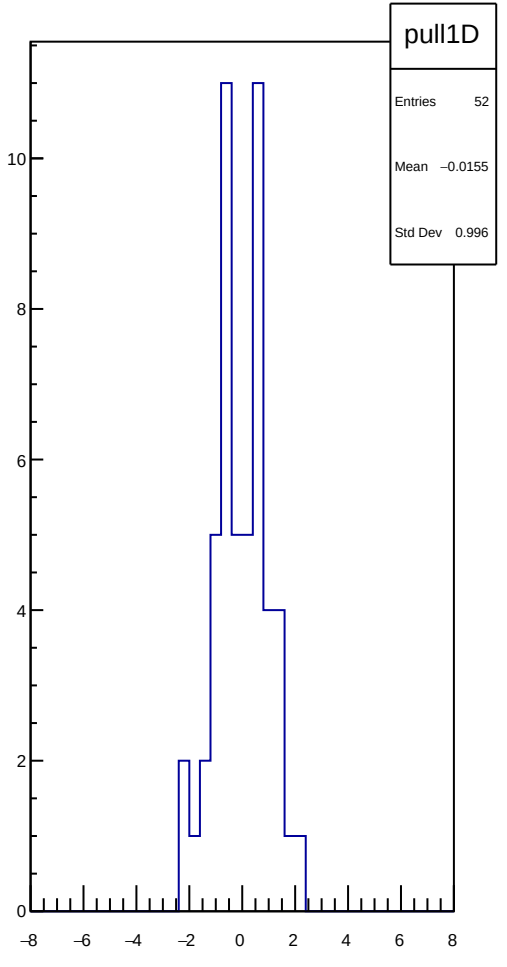

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.139e+05 / 51
p0 40 ± 0.04035
100
90
80
70
60
50
40
30
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

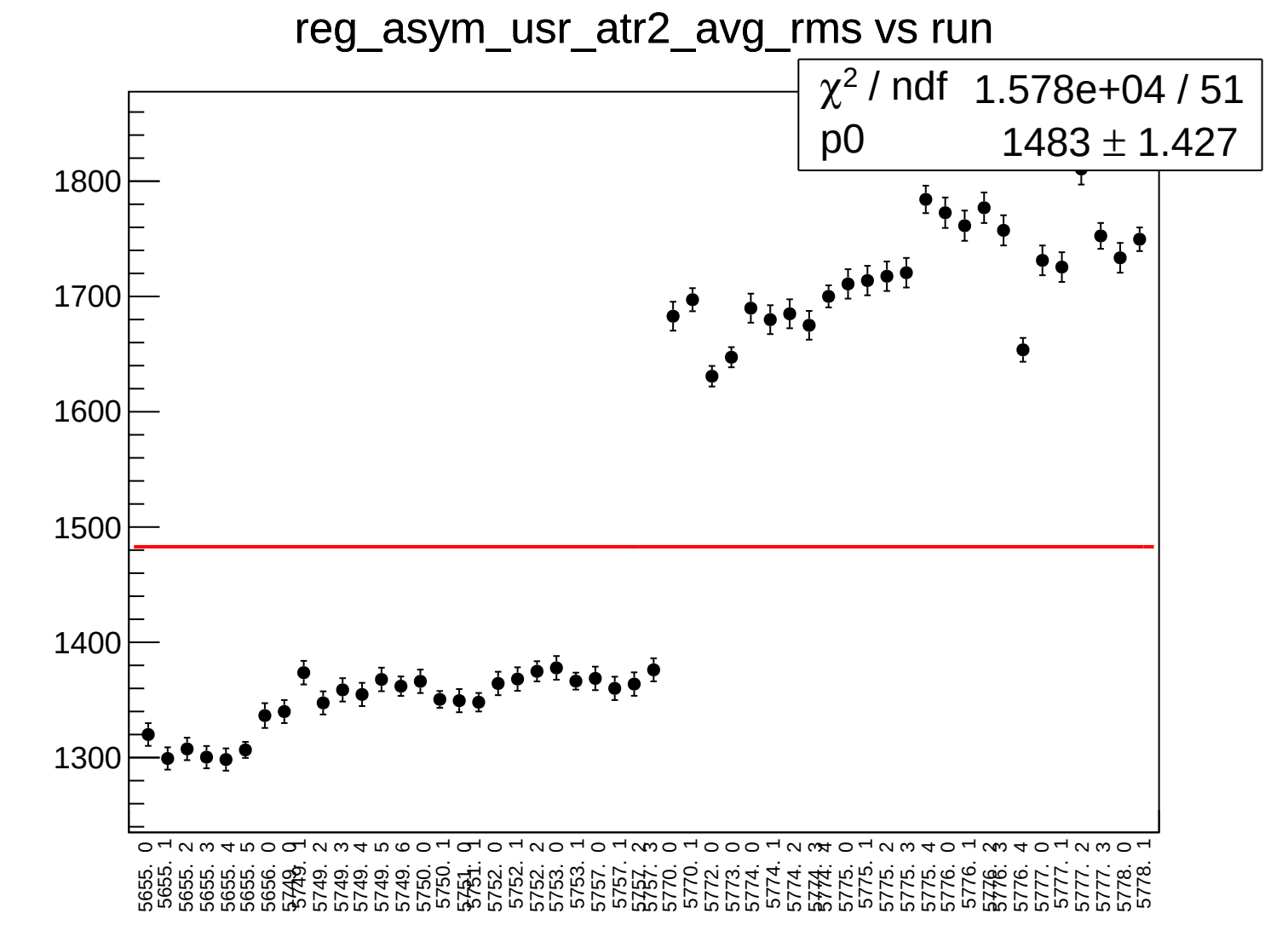

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.18 / 51
p0 8.212e−14 ± 7.876e−14
pull
Entries 52
Mean −48.7
Std Dev 0

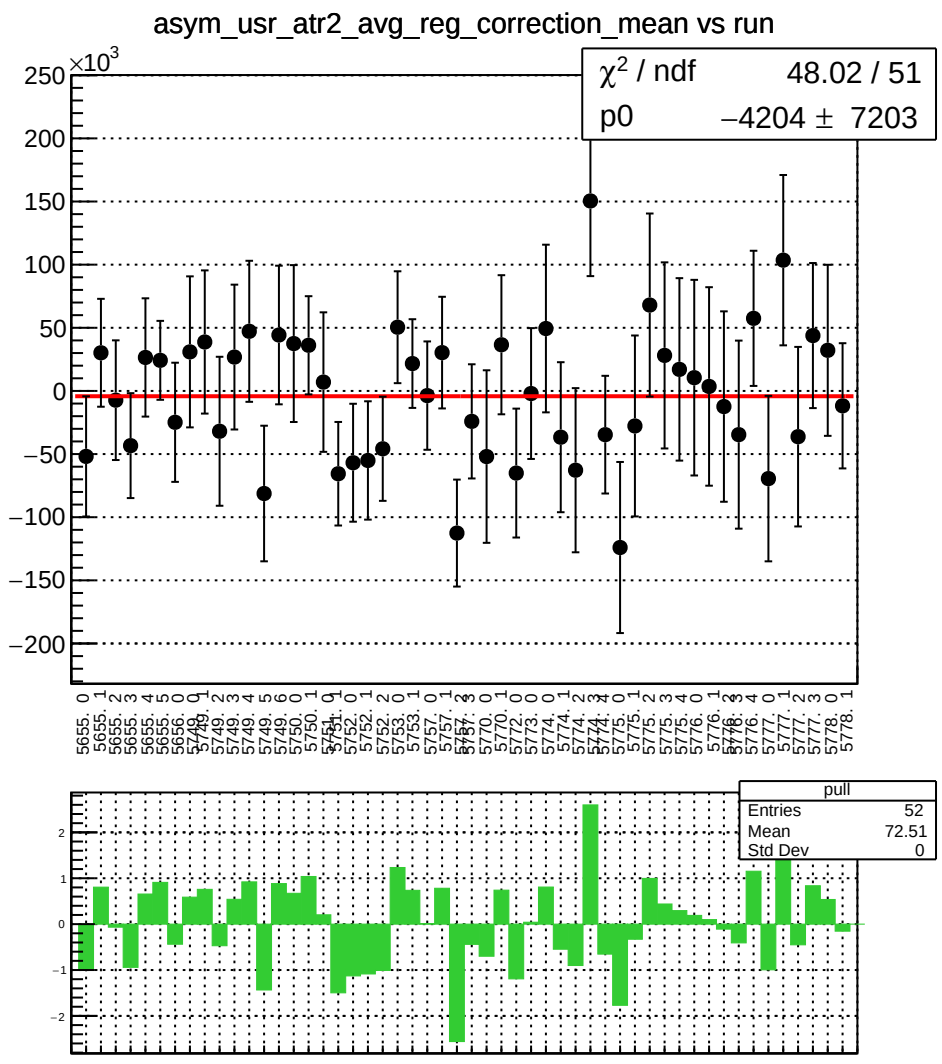

pull1D
Entries 52
Mean 0.03016
Std Dev 0.952

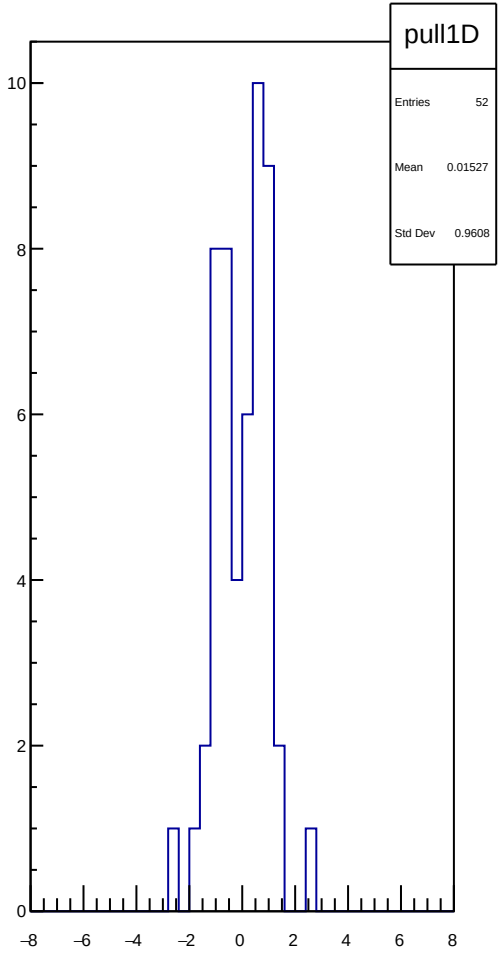

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.462e+05 / 51
p0 4.824e−11 ± 5.569e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

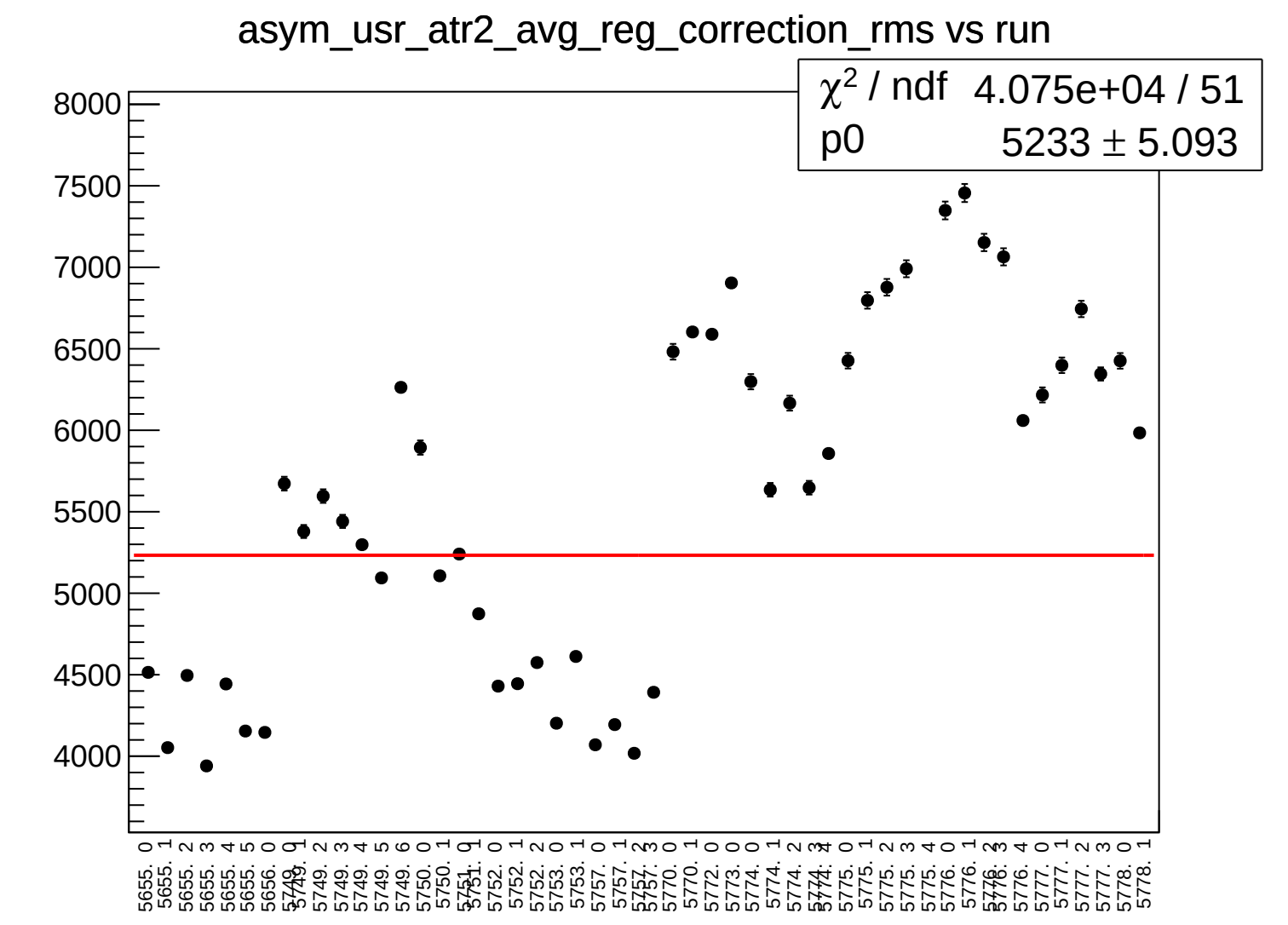

reg_asym_usr_atr2_avg_mean vs run
χ² / ndf 51.59 / 51
p0 −3062 ± 2017
60000
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 189
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

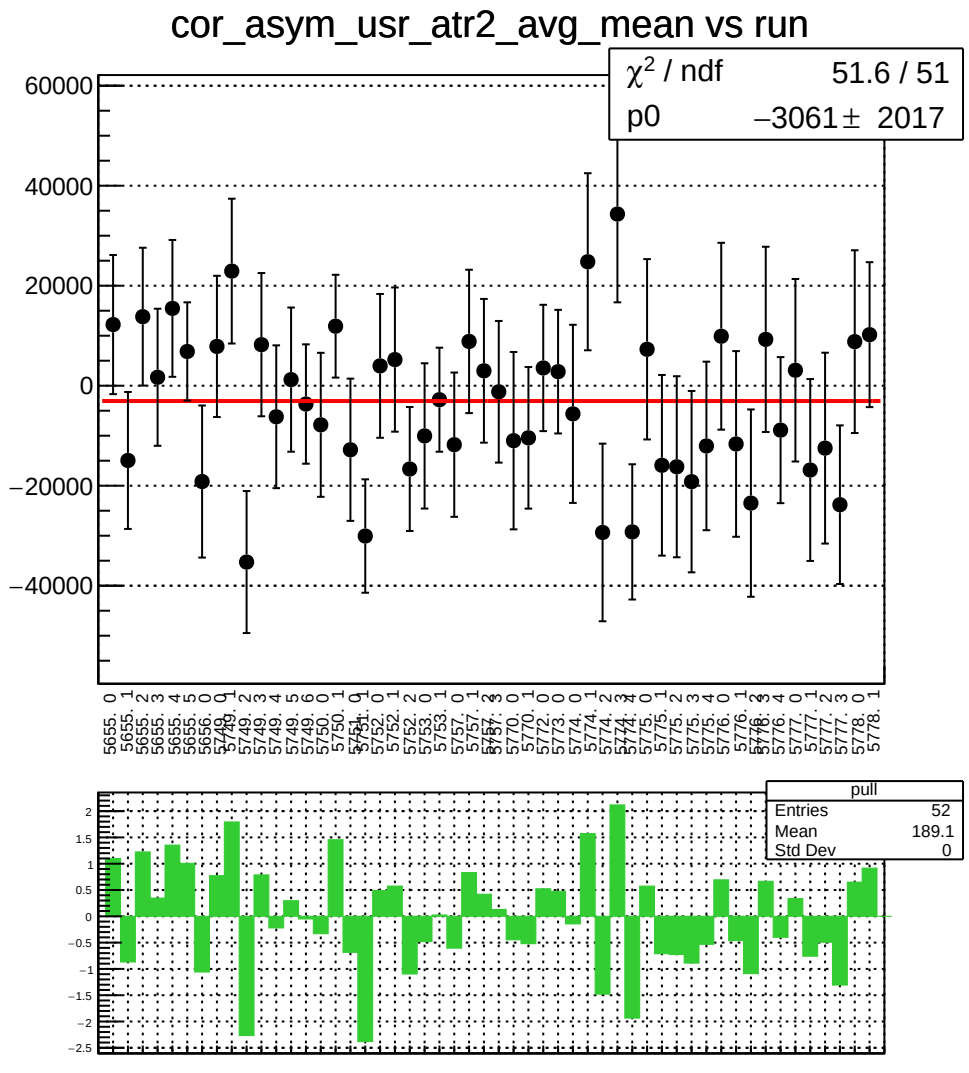

pull1D
Entries 52
Mean −0.0155
Std Dev 0.996
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

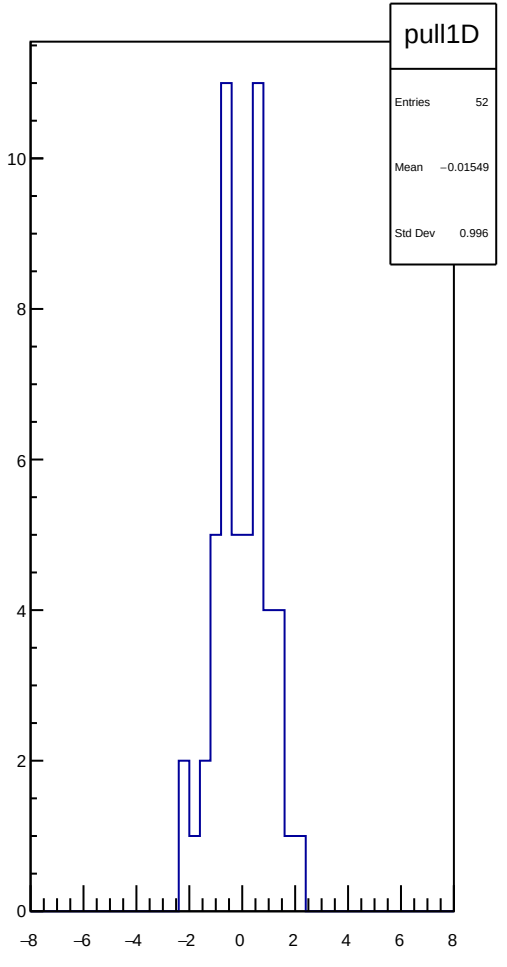

reg_asym_usr_atr2_avg_rms vs run
χ² / ndf 1.578e+04 / 51
p0 1483 ± 1.427
1800
1700
1600
1500
1400
1300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

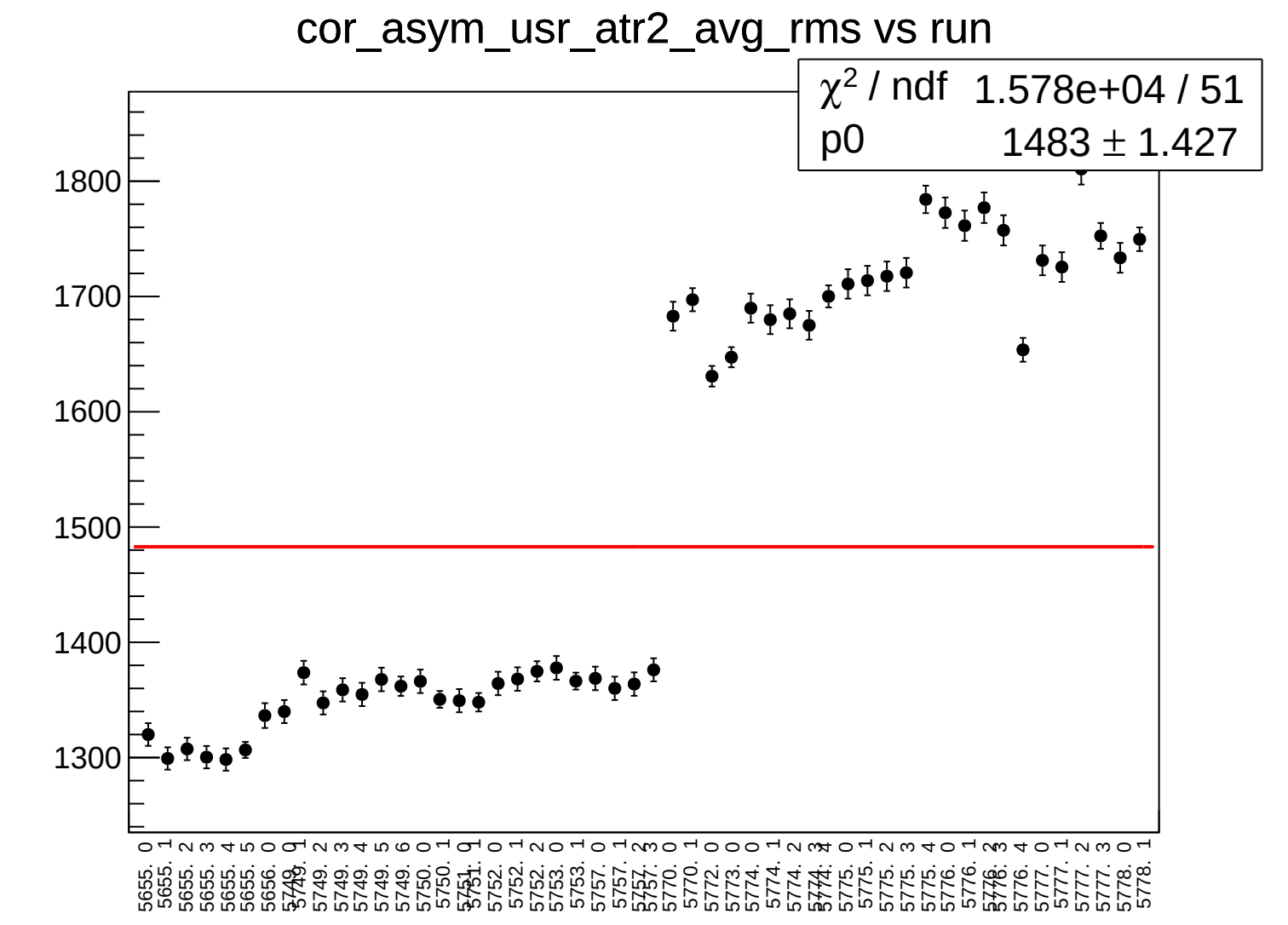

asym_usr_atr2_avg_reg_correction_mean vs run
χ² / ndf 48.02 / 51
p0 −4204 ± 7203
pull
Entries 52
Mean 72.51
Std Dev 0

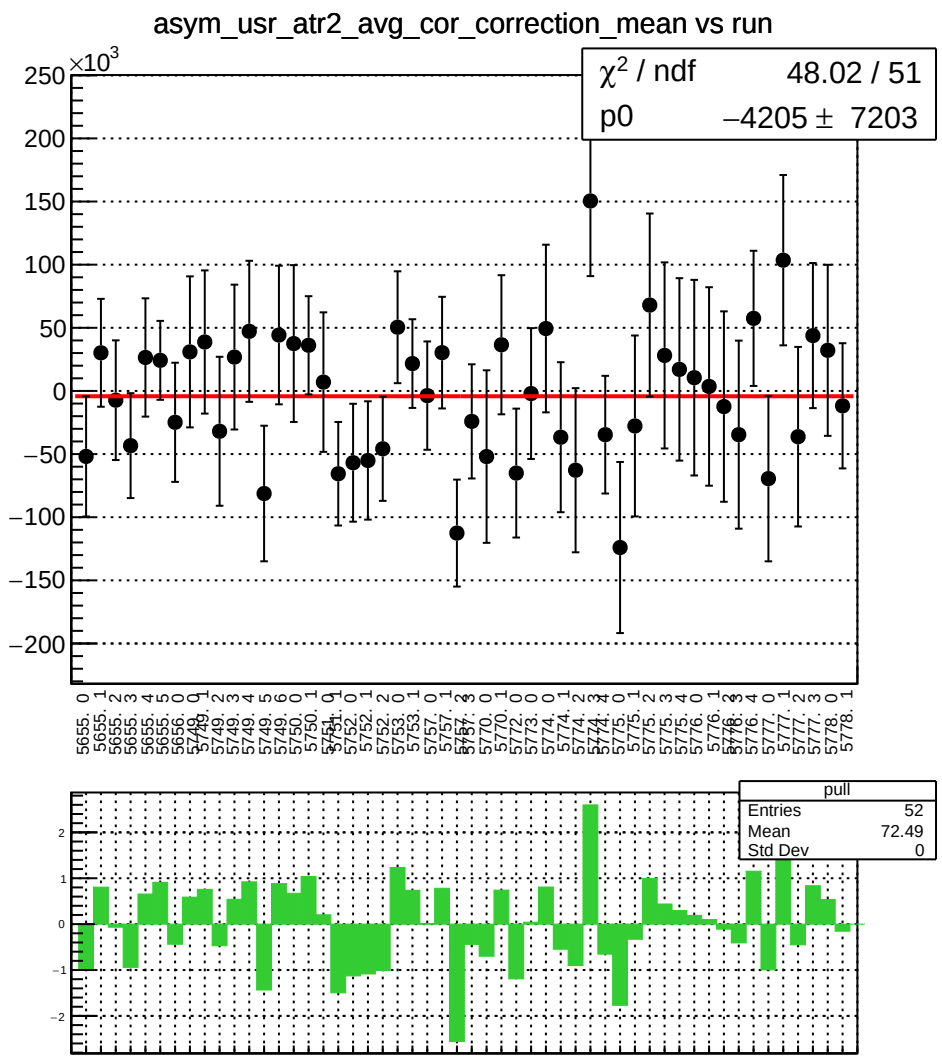

pull1D
Entries 52
Mean 0.01527
Std Dev 0.9608

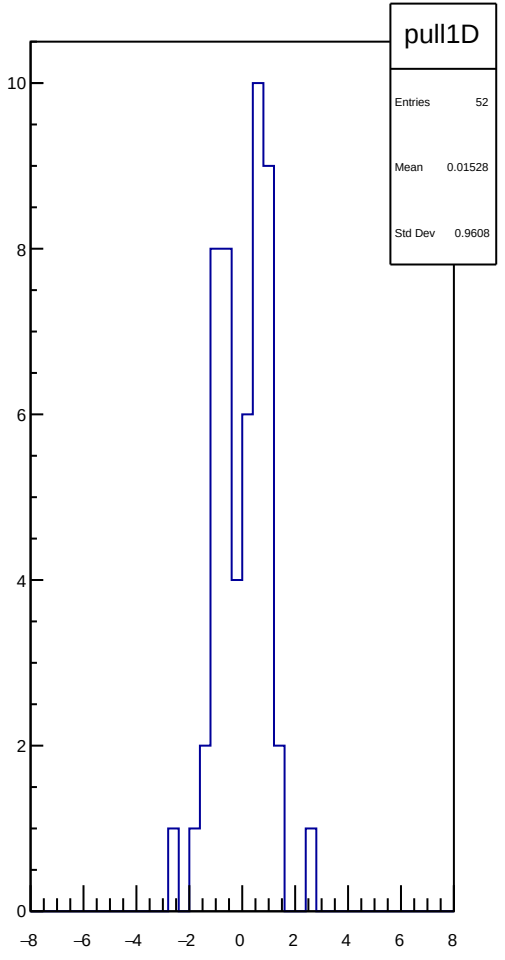

asym_usr_atr2_avg_reg_correction_rms vs run
χ² / ndf 4.075e+04 / 51
p0 5233 ± 5.093
8000
7500
7000
6500
6000
5500
5000
4500
4000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

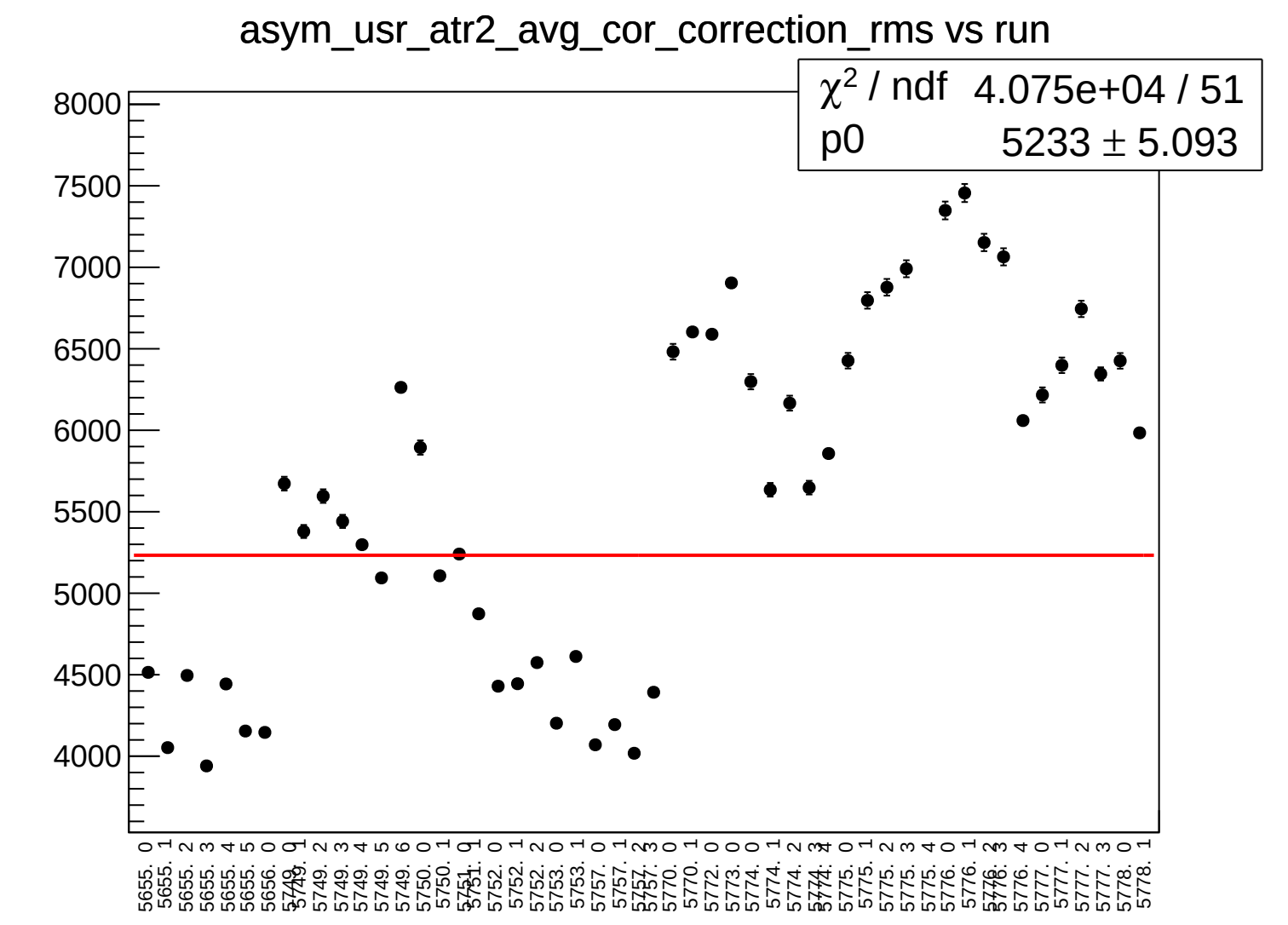

cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 51.6 / 51
p0 −3061 ± 2017
60000
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 189.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 52
Mean −0.01549
Std Dev 0.996
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 1.578e+04 / 51
p0 1483 ± 1.427
1800
1700
1600
1500
1400
1300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usr_atr2_avg_cor_correction_mean vs run
χ² / ndf 48.02 / 51
p0 −4205 ± 7203
×10³
pull
Entries 52
Mean 72.49
Std Dev 0


pull1D
Entries 52
Mean 0.01528
Std Dev 0.9608


asym_usr_atr2_avg_cor_correction_rms vs run
χ² / ndf 4.075e+04 / 51
p0 5233 ± 5.093
8000
7500
7000
6500
6000
5500
5000
4500
4000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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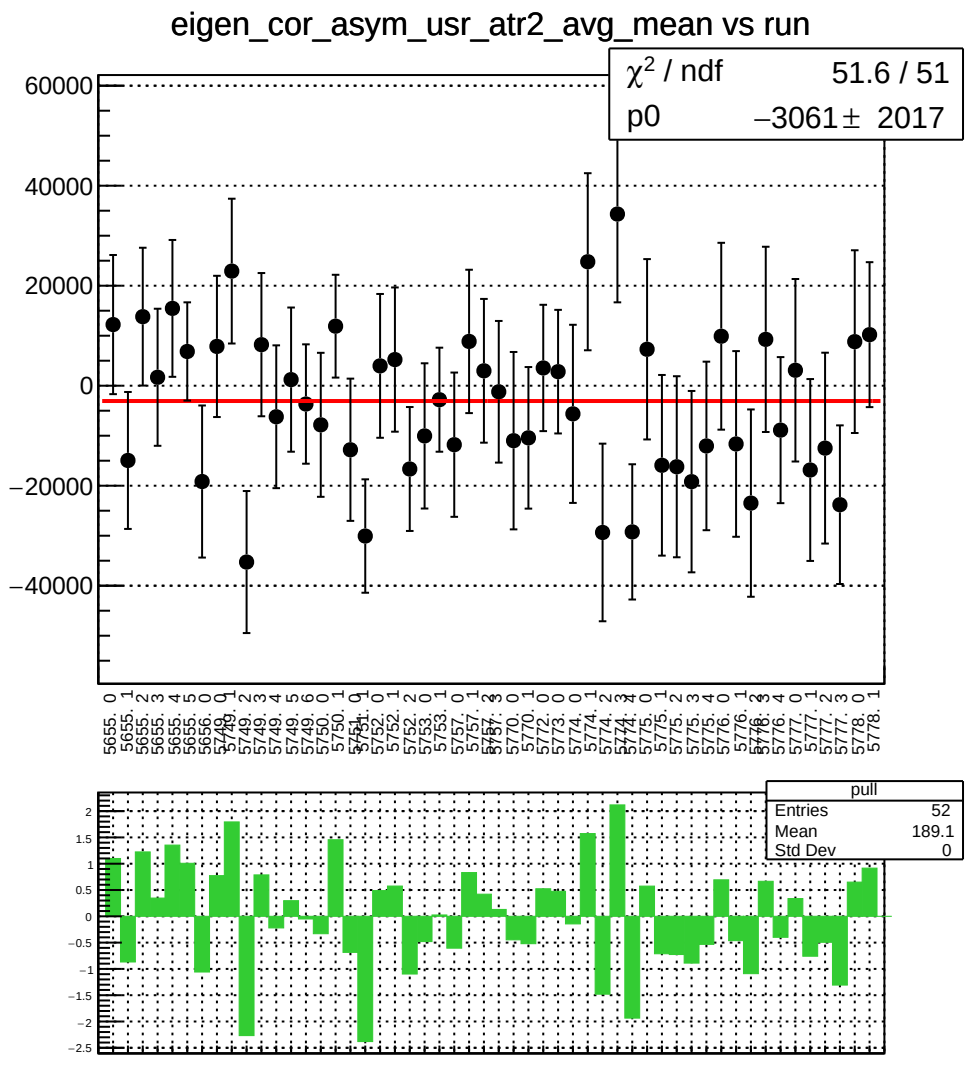
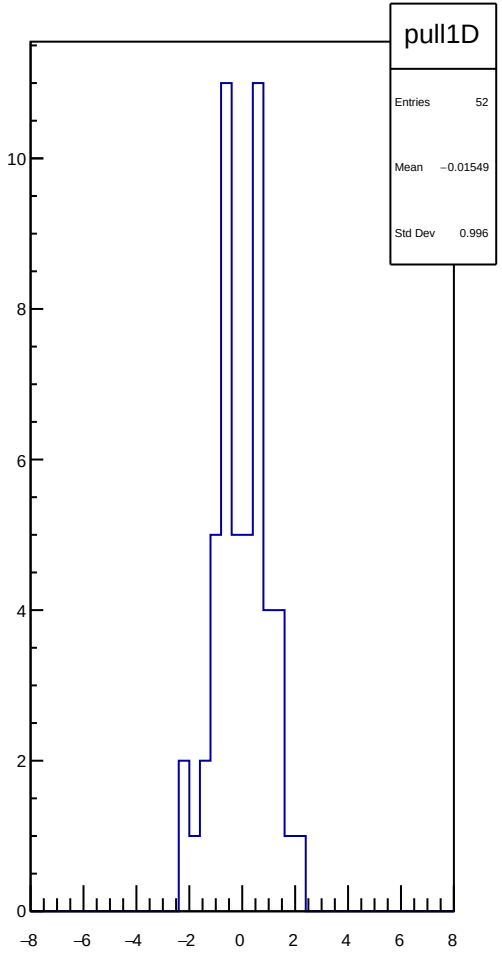
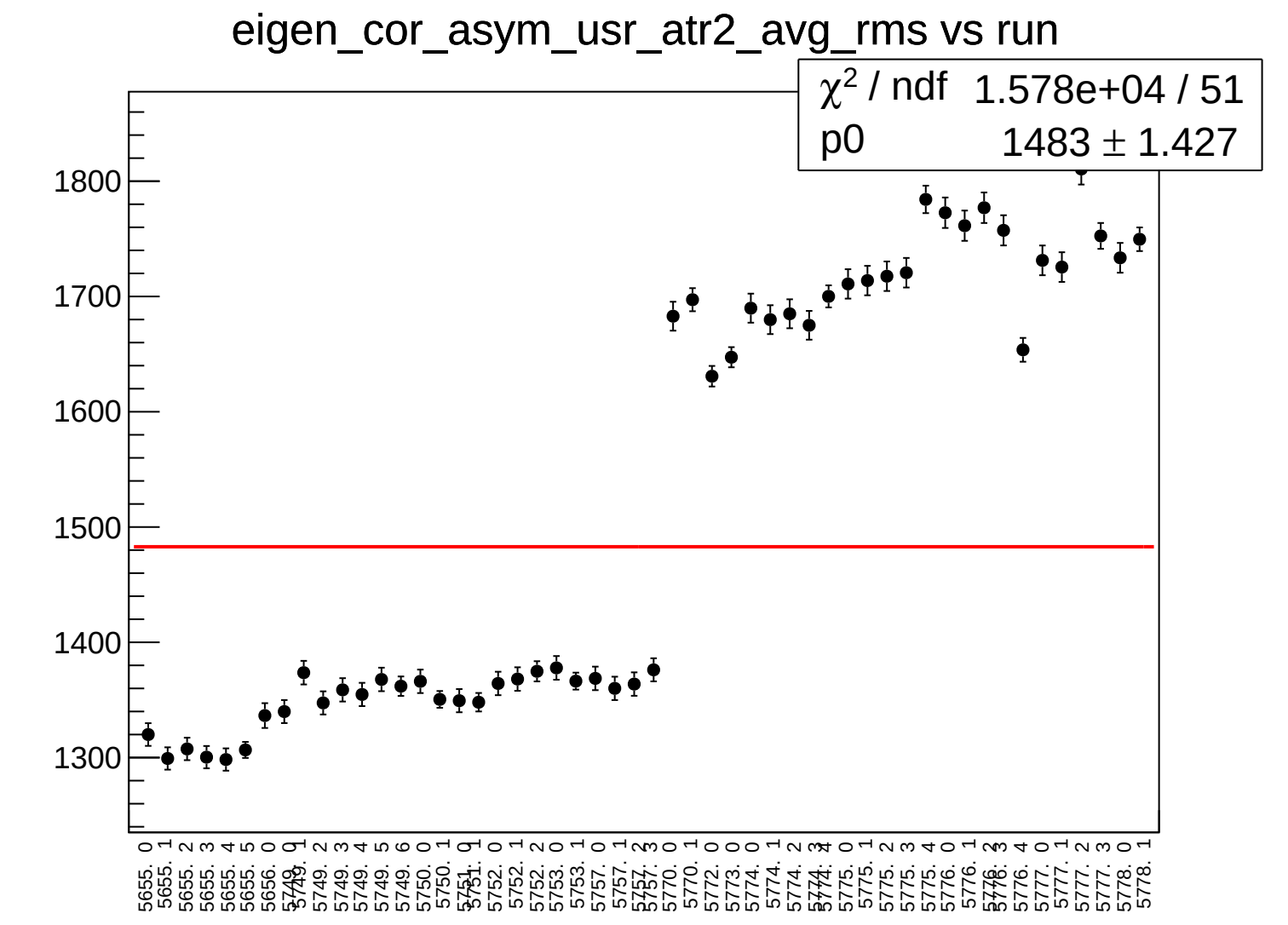
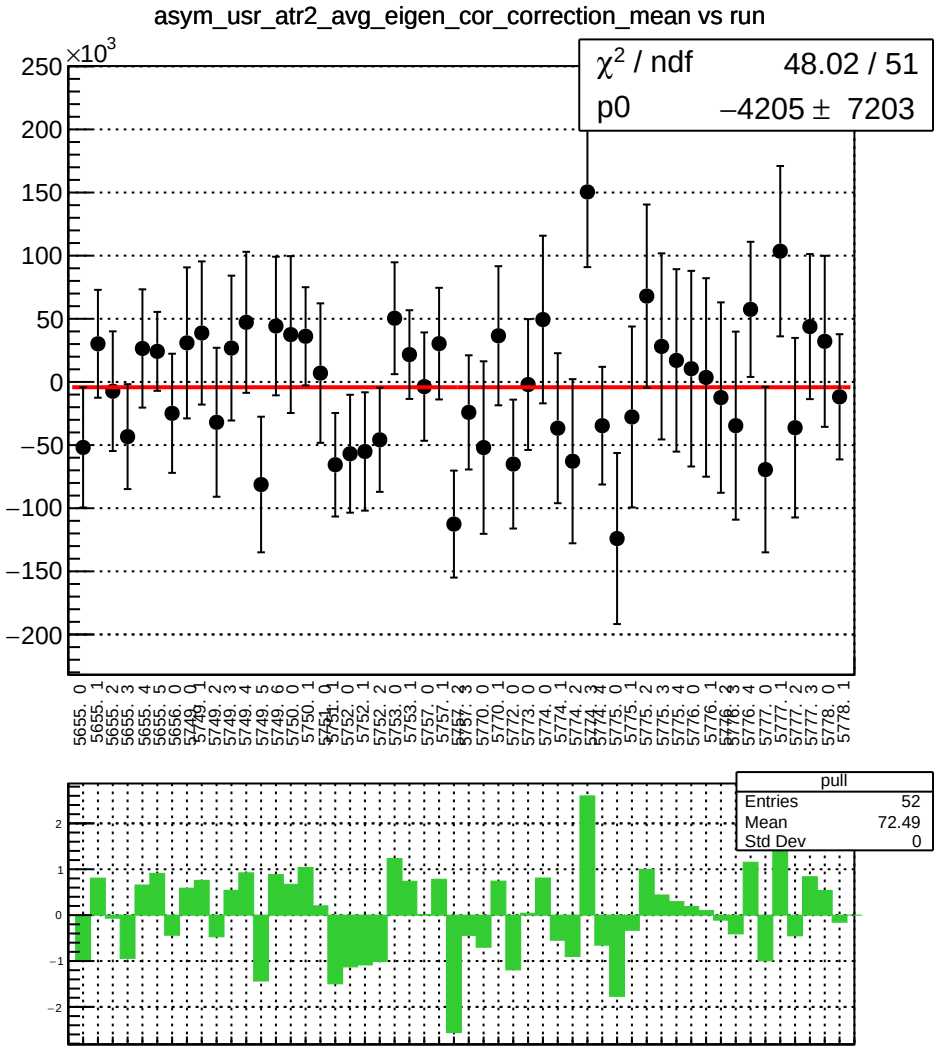
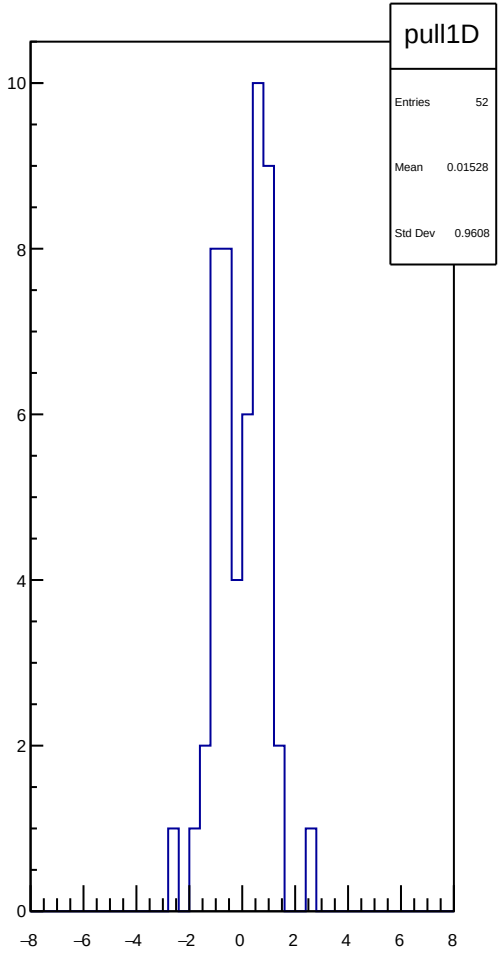
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

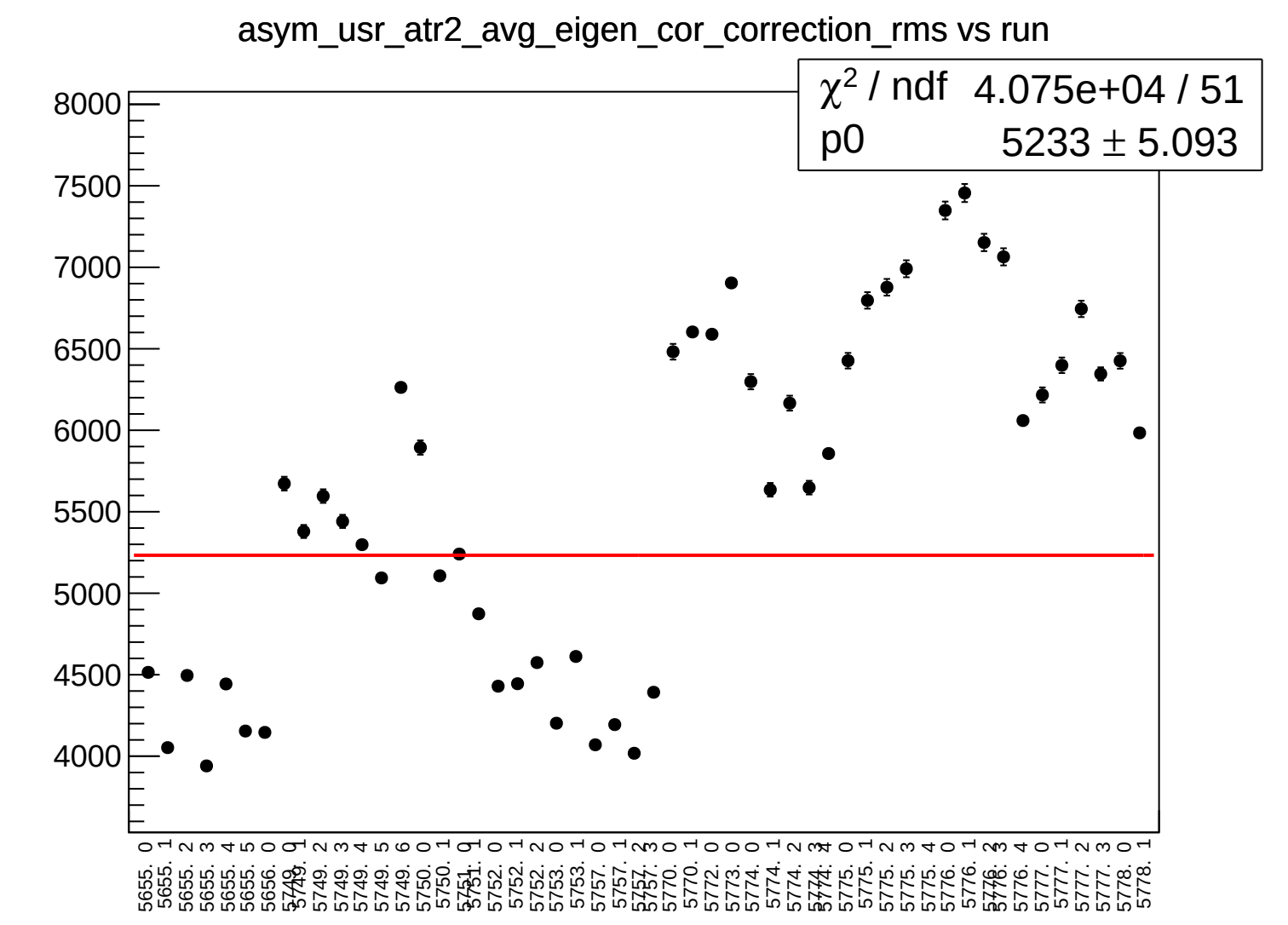

eigen_cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 51.6 / 51
p0 −3061 ± 2017
pull
Entries 52
Mean 189.1
Std Dev 0


pull1D
Entries 52
Mean −0.01549
Std Dev 0.996


eigen_cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 1.578e+04 / 51
p0 1483 ± 1.427
1800
1700
1600
1500
1400
1300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usr_atr2_avg_eigen_cor_correction_mean vs run
χ² / ndf 48.02 / 51
p0 −4205 ± 7203
pull
Entries 52
Mean 72.49
Std Dev 0


pull1D
Entries 52
Mean 0.01528
Std Dev 0.9608


asym_usr_atr2_avg_eigen_cor_correction_rms vs run
χ² / ndf 4.075e+04 / 51
p0 5233 ± 5.093
8000
7500
7000
6500
6000
5500
5000
4500
4000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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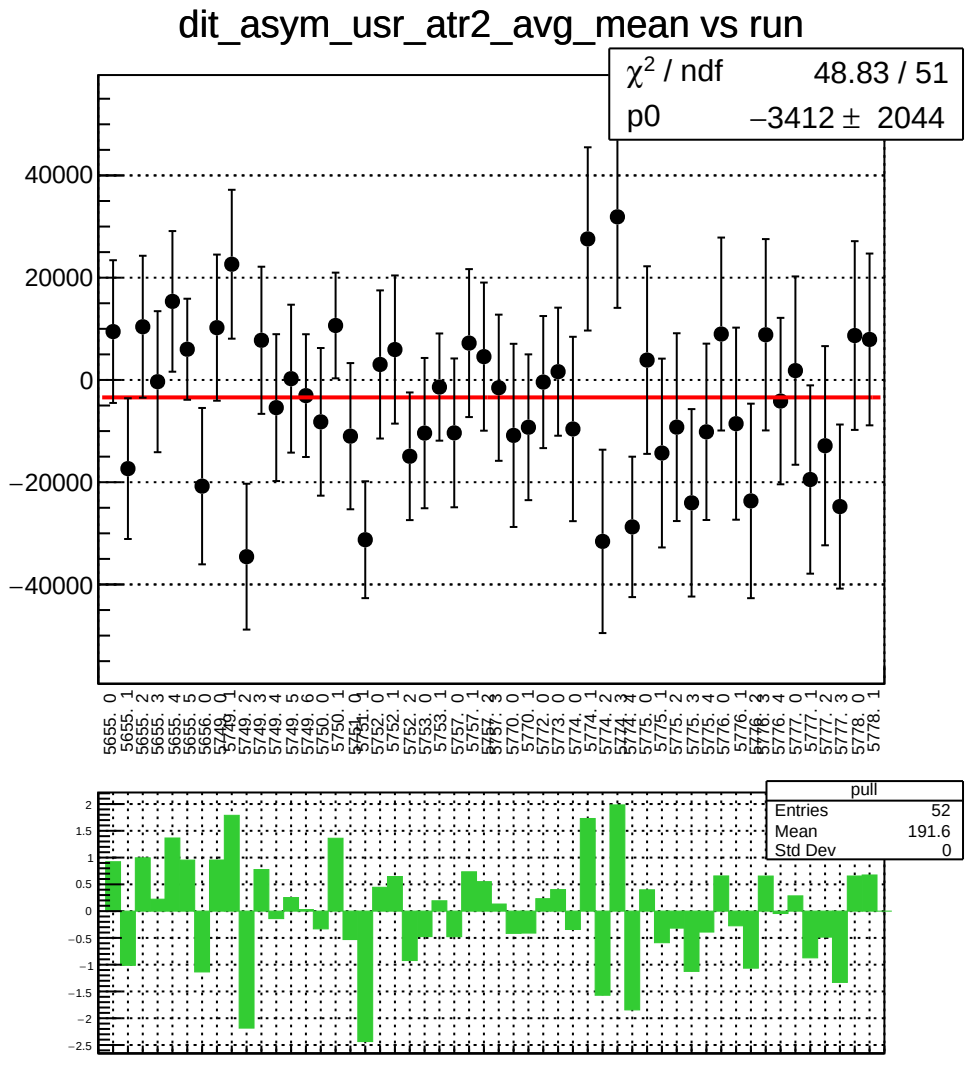
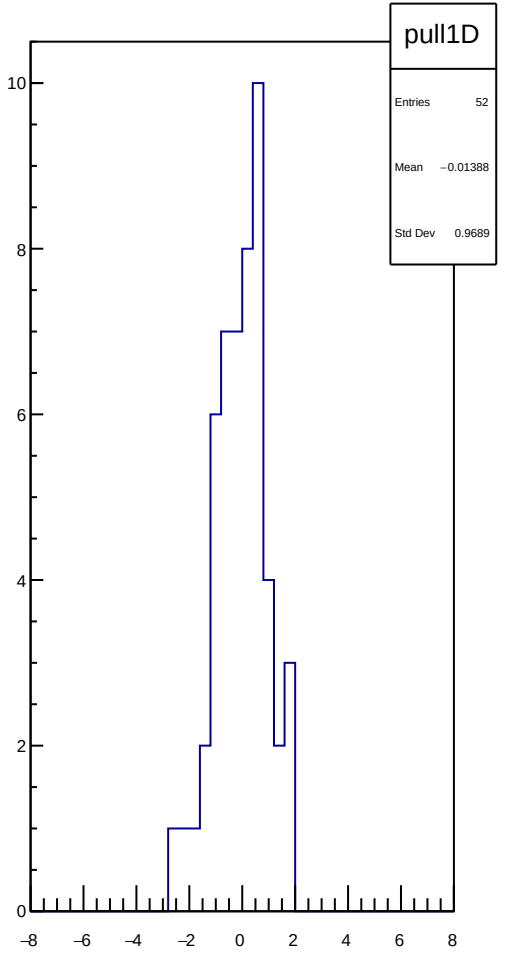
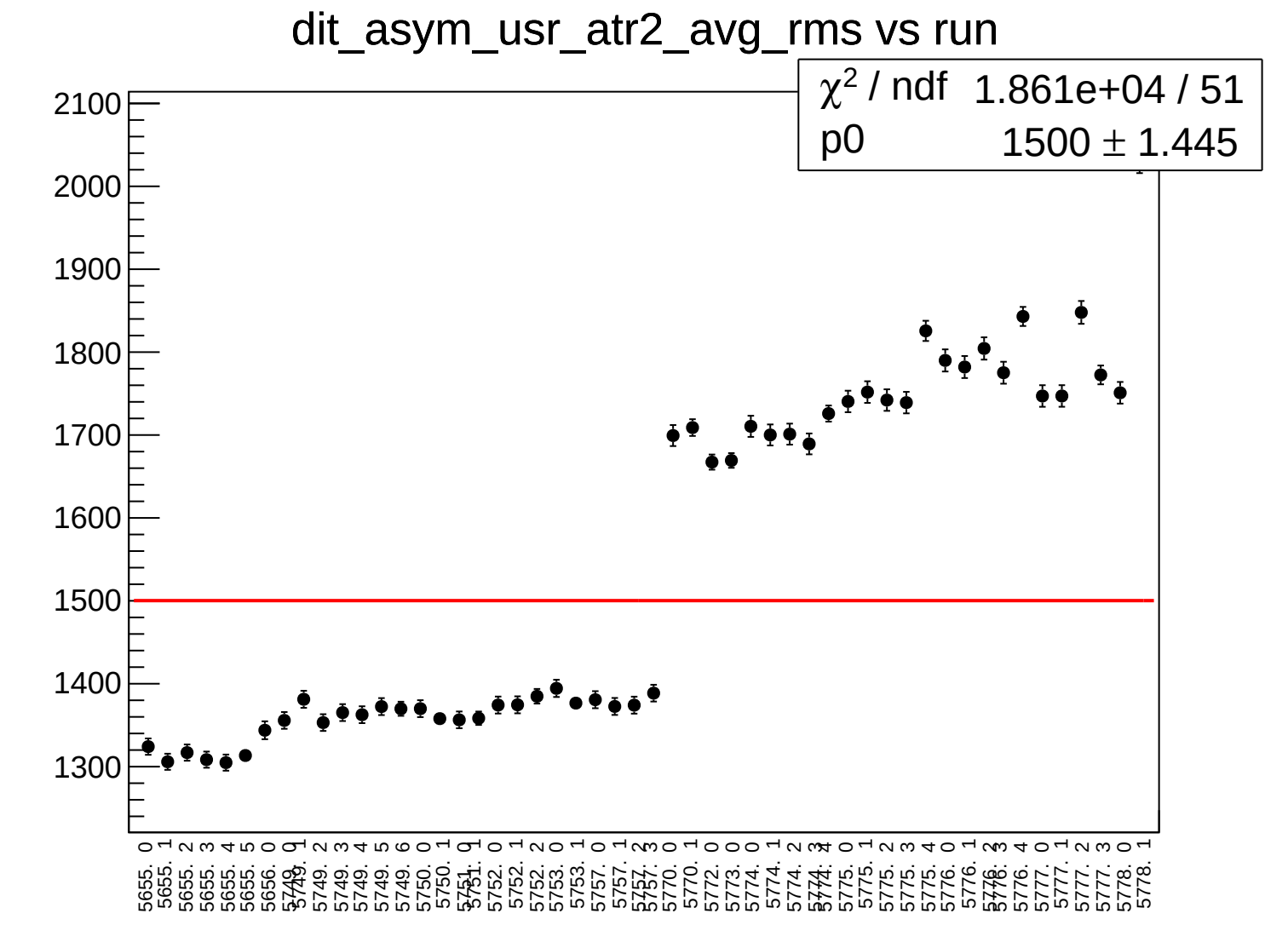
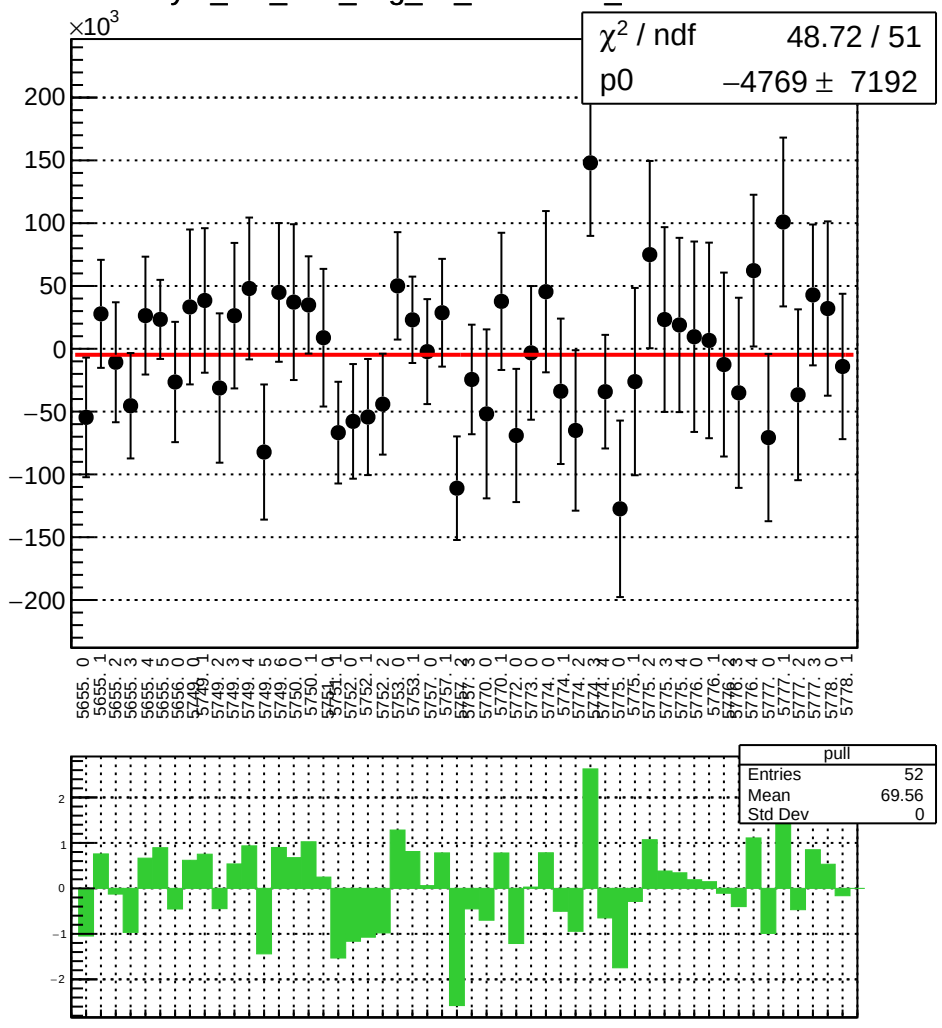
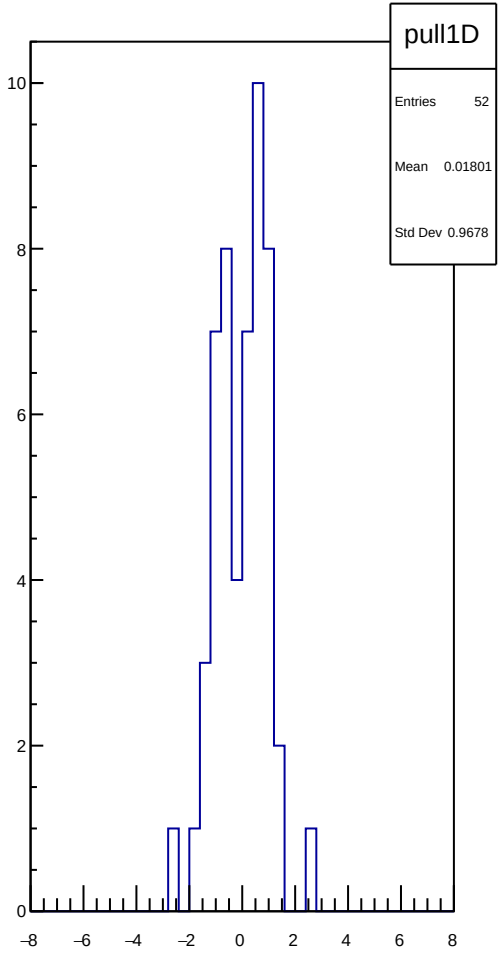
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

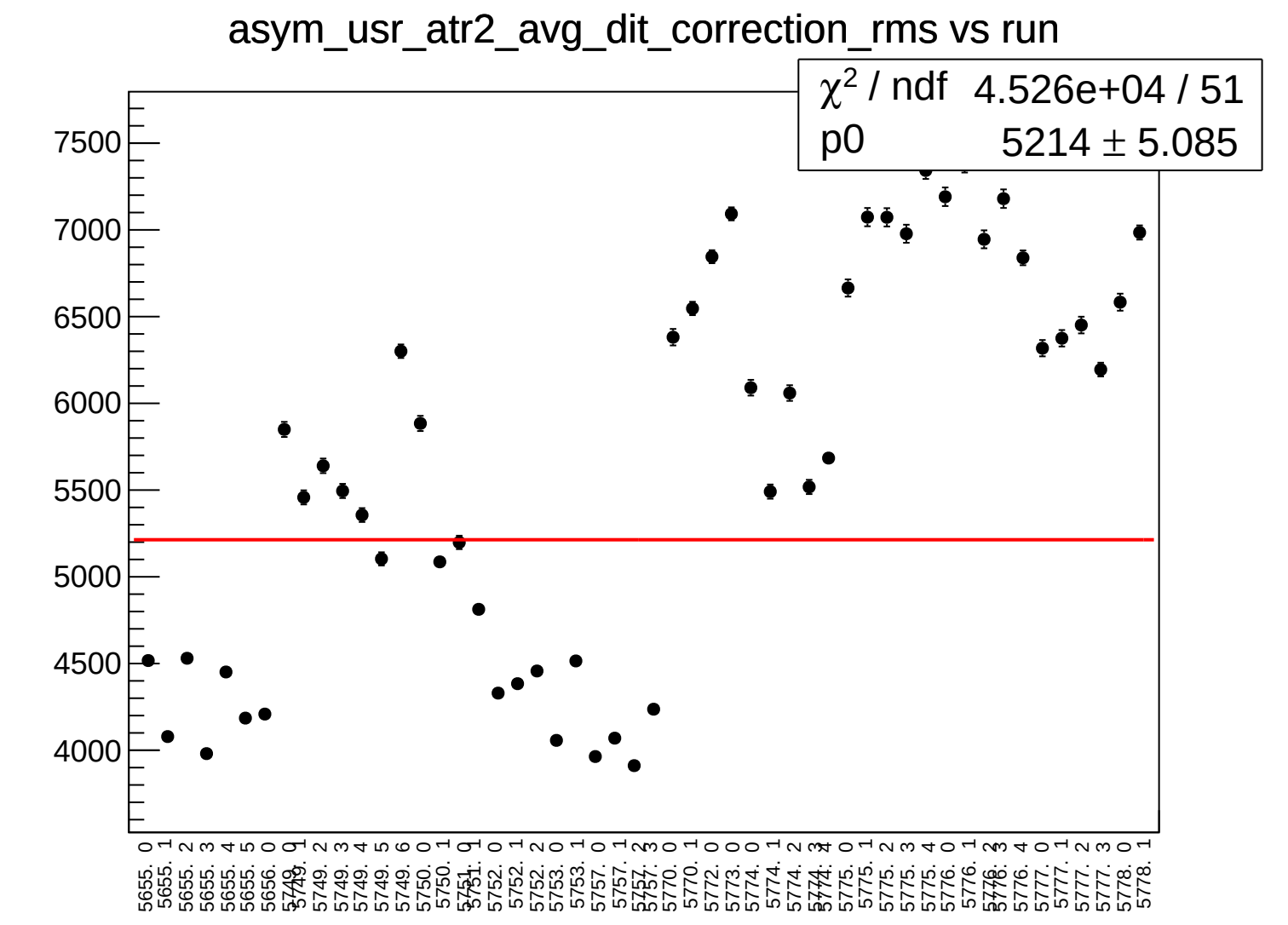

dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 48.83 / 51
p0 −3412 ± 2044
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 191.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 52
Mean −0.01388
Std Dev 0.9689
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 1.861e+04 / 51
p0 1500 ± 1.445
2100
2000
1900
1800
1700
1600
1500
1400
1300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usr_atr2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 48.72 / 51
p0 −4769 ± 7192
pull
Entries 52
Mean 69.56
Std Dev 0


pull1D
Entries 52
Mean 0.01801
Std Dev 0.9678


asym_usr_atr2_avg_dit_correction_rms vs run
χ² / ndf 4.526e+04 / 51
p0 5214 ± 5.085
7500
7000
6500
6000
5500
5000
4500
4000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5772. 0
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5774. 3
5774. 4
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5775. 2
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5775. 4
5776. 0
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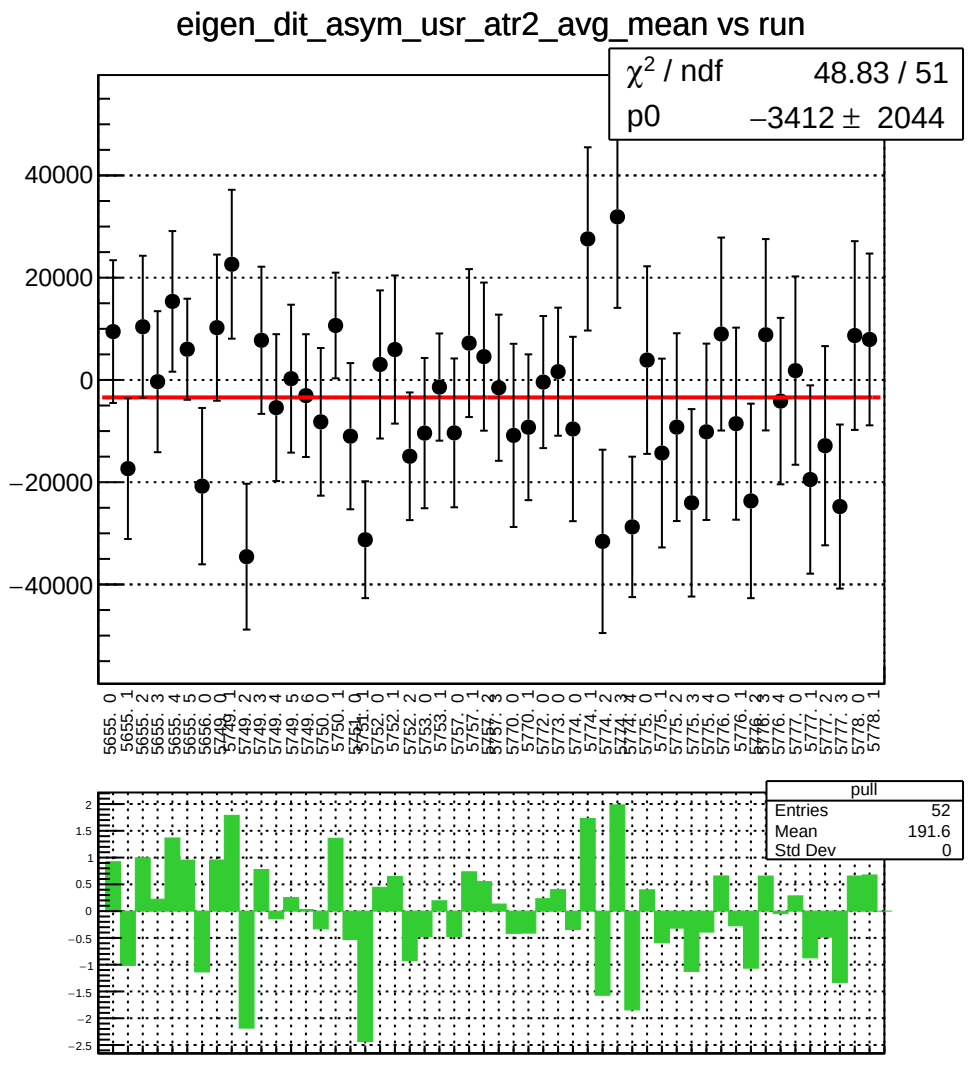
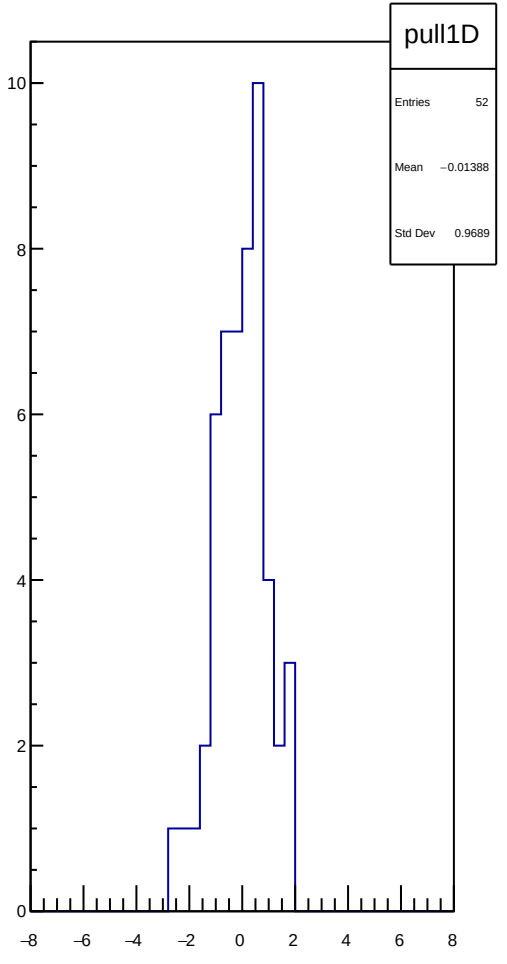
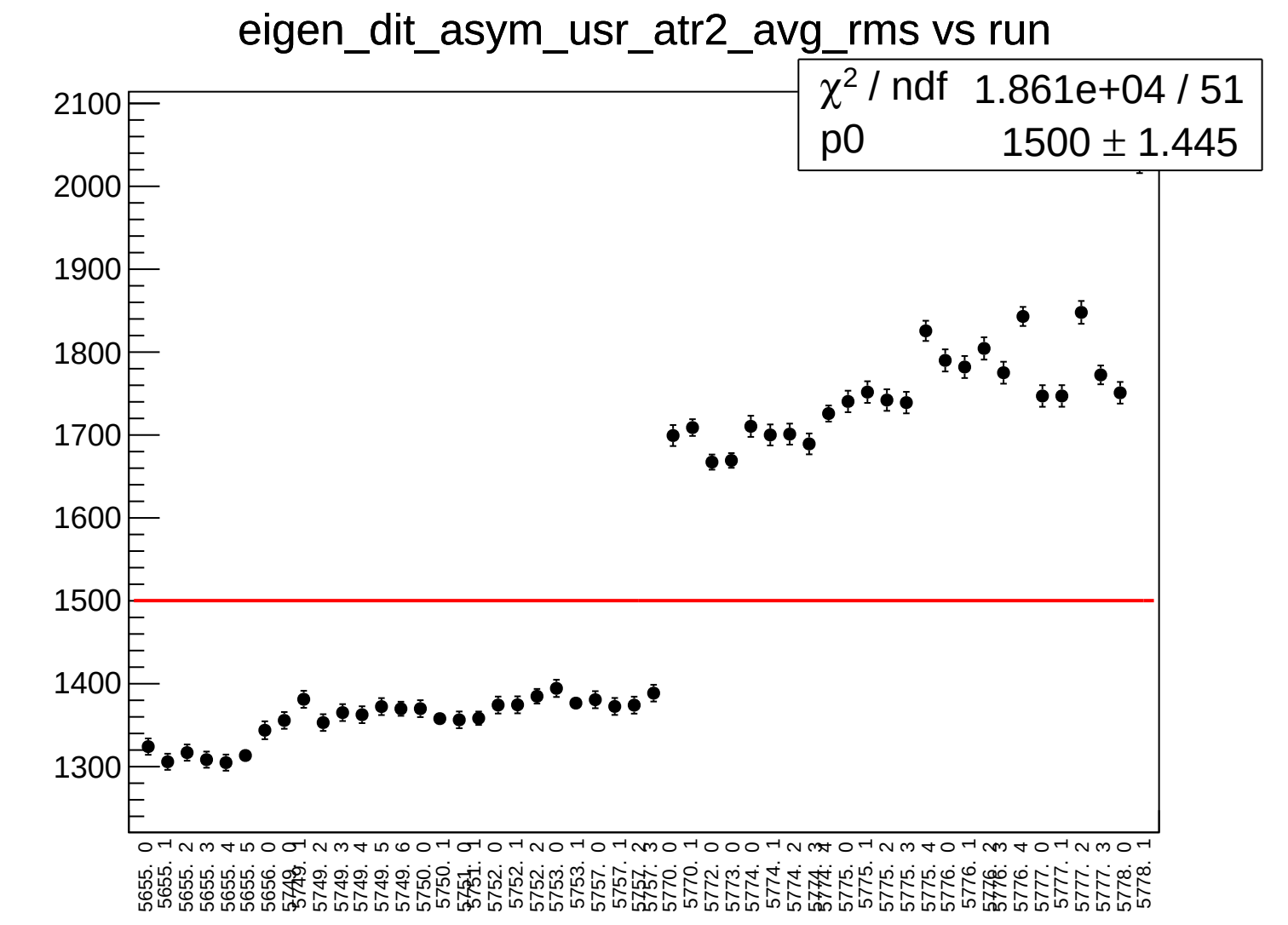
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 48.83 / 51
p0 −3412 ± 2044
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 191.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 52
Mean −0.01388
Std Dev 0.9689
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 1.861e+04 / 51
p0 1500 ± 1.445
2100
2000
1900
1800
1700
1600
1500
1400
1300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
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5752. 2
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5770. 0
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5774. 4
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5775. 1
5775. 2
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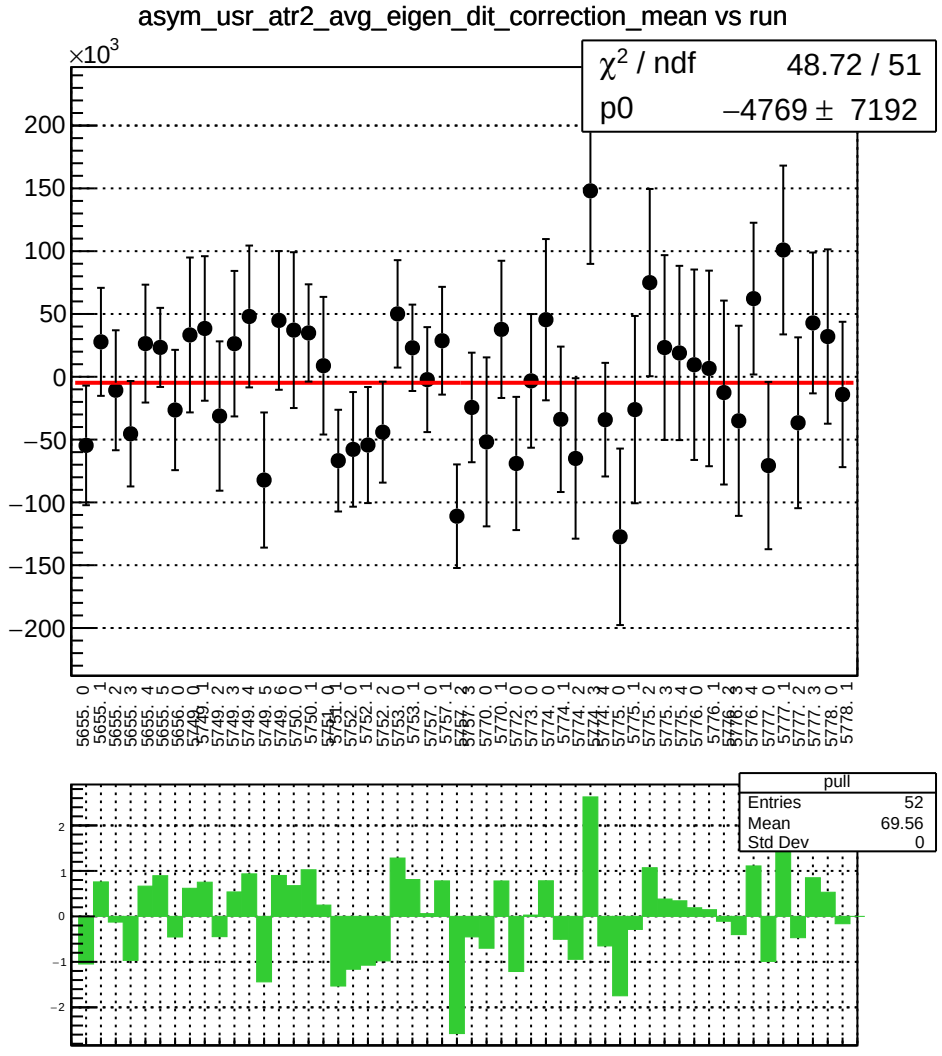
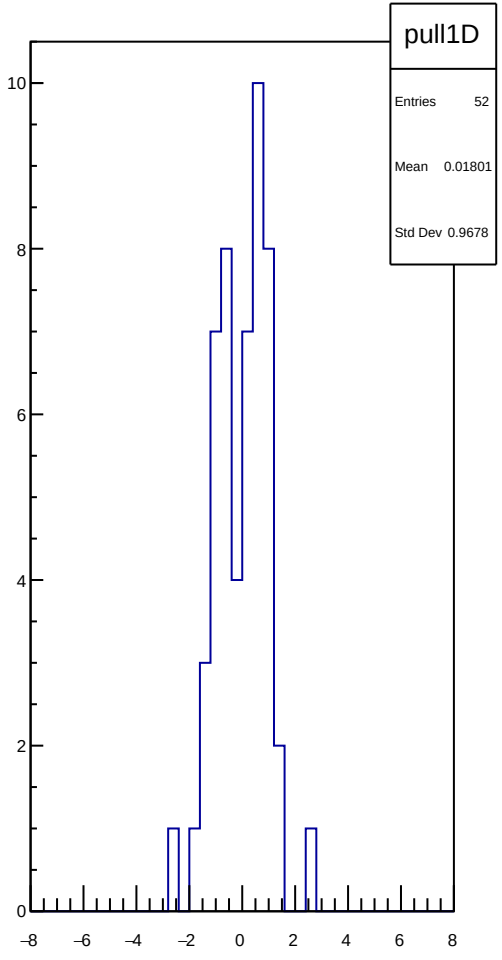
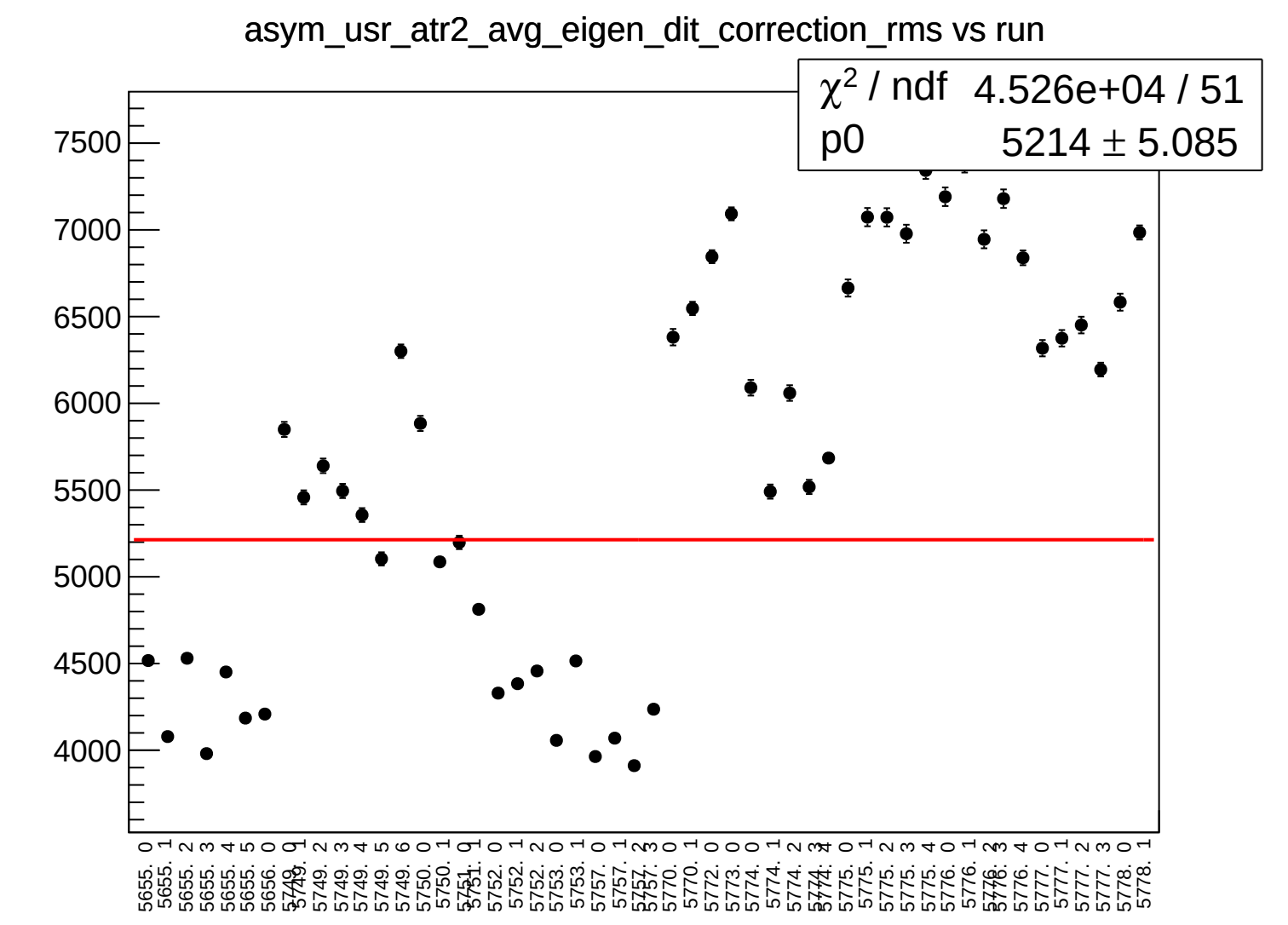
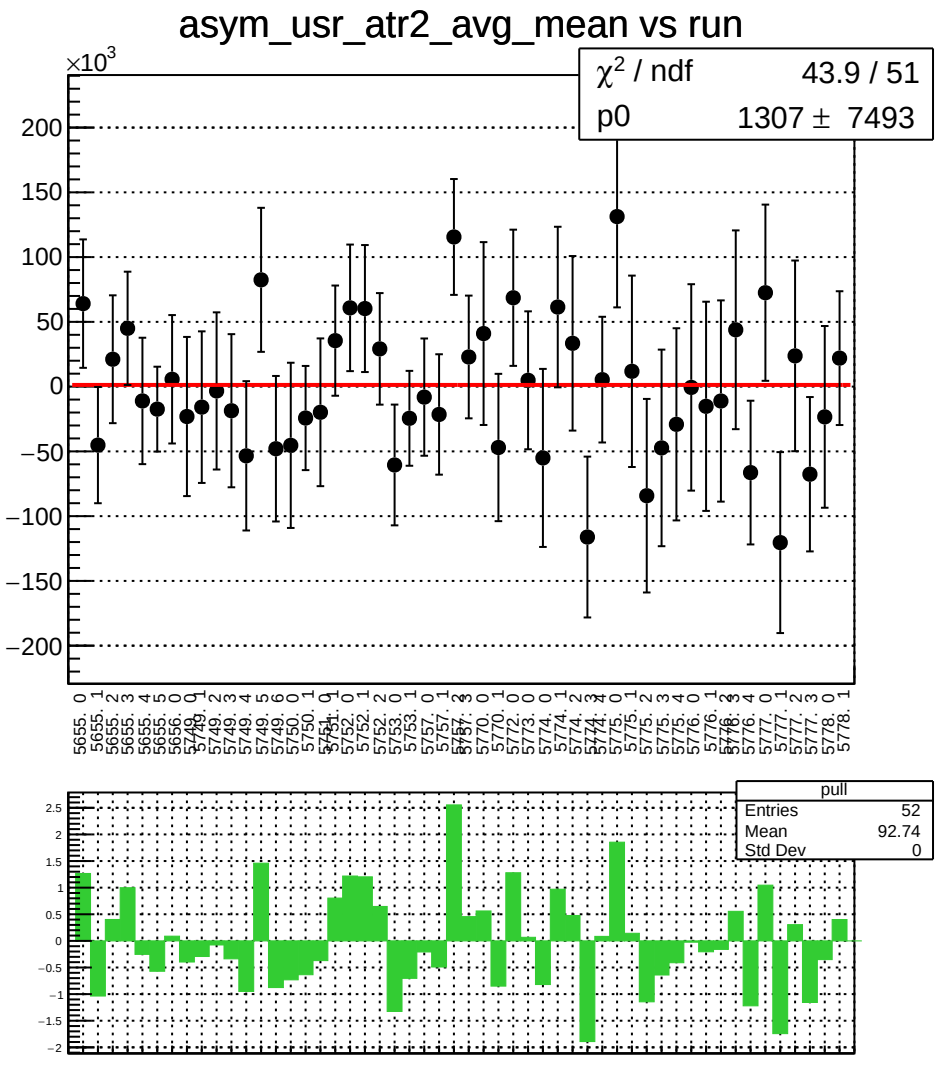
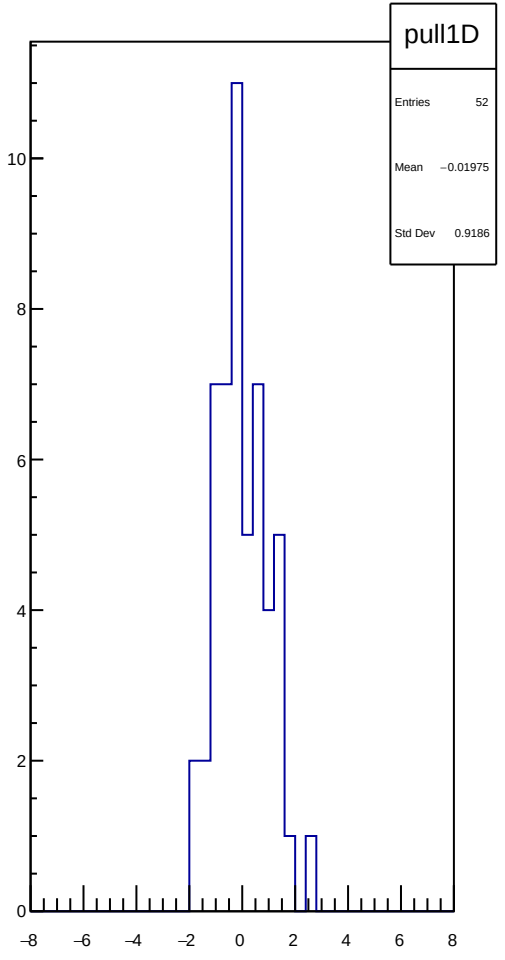
5778. 0
5778. 1

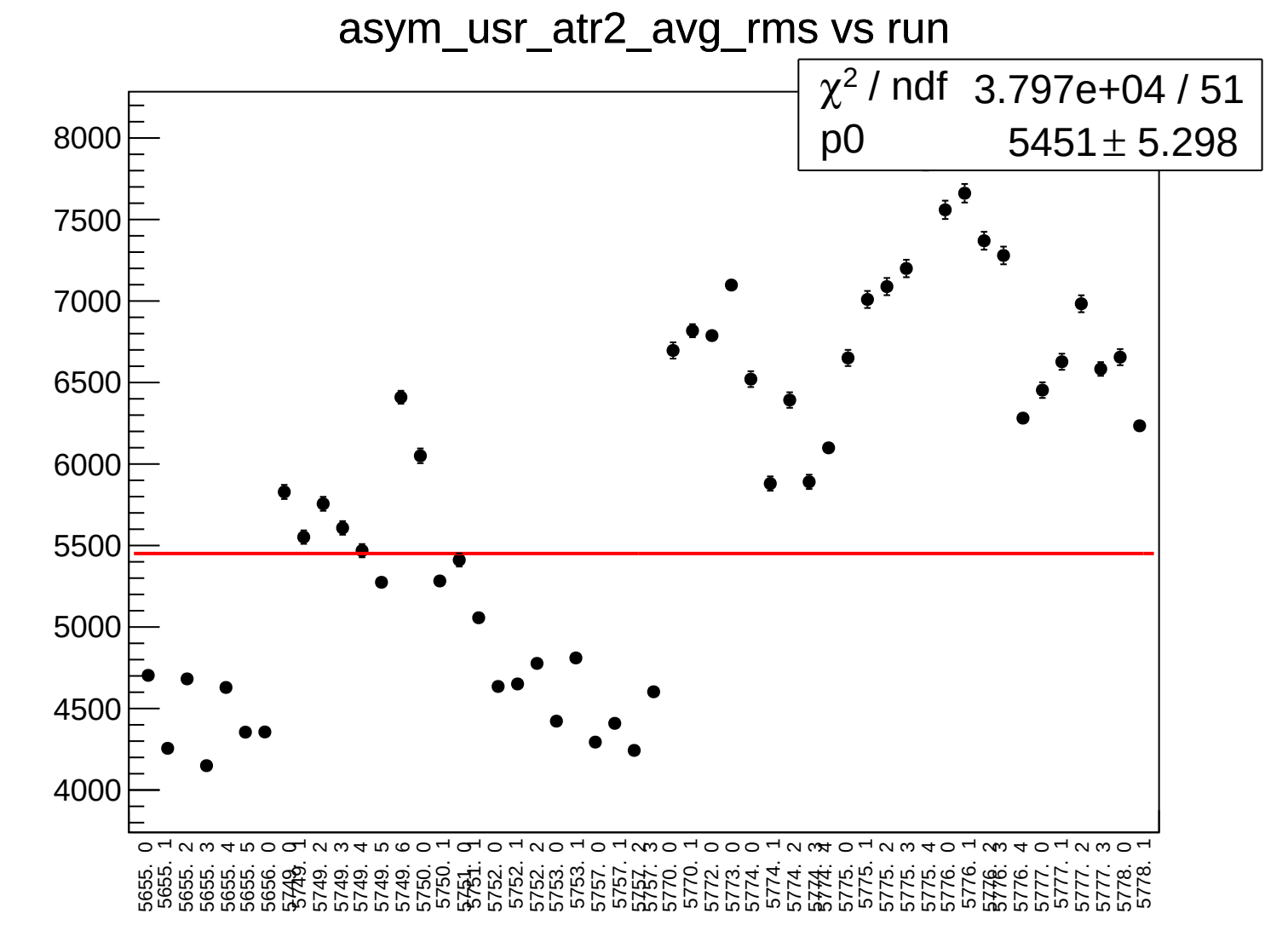

asym_usr_atr2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 48.72 / 51
p0 −4769 ± 7192
pull
Entries 52
Mean 69.56
Std Dev 0

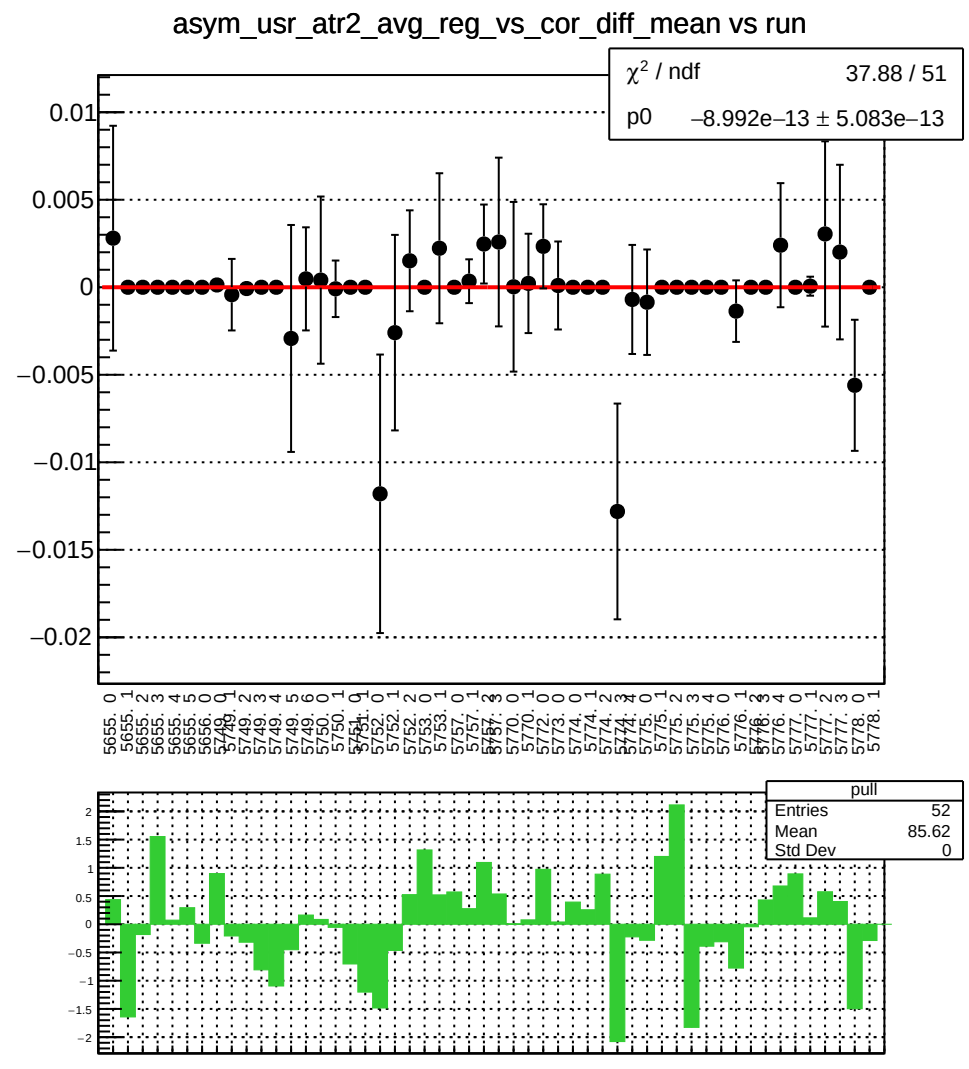

pull1D
Entries 52
Mean 0.01801
Std Dev 0.9678

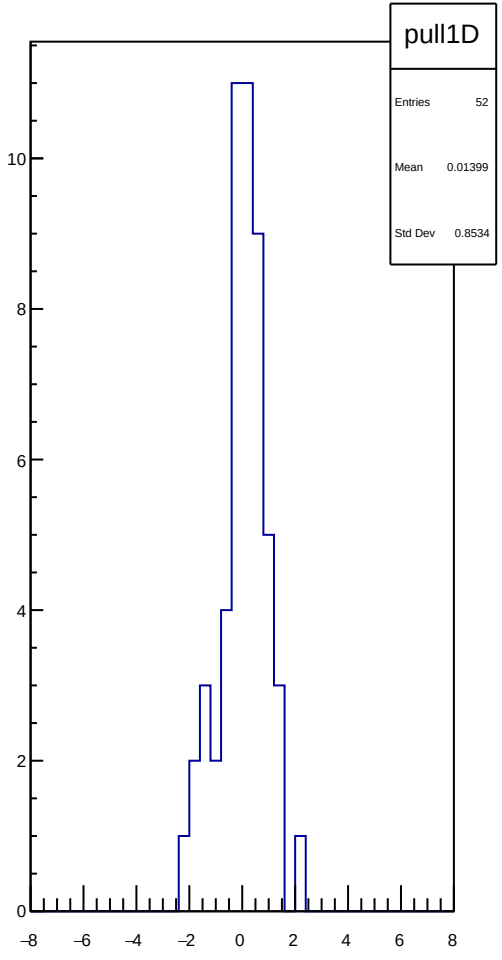

asym_usr_atr2_avg_eigen_dit_correction_rms vs run
χ² / ndf 4.526e+04 / 51
p0 5214 ± 5.085
7500
7000
6500
6000
5500
5000
4500
4000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

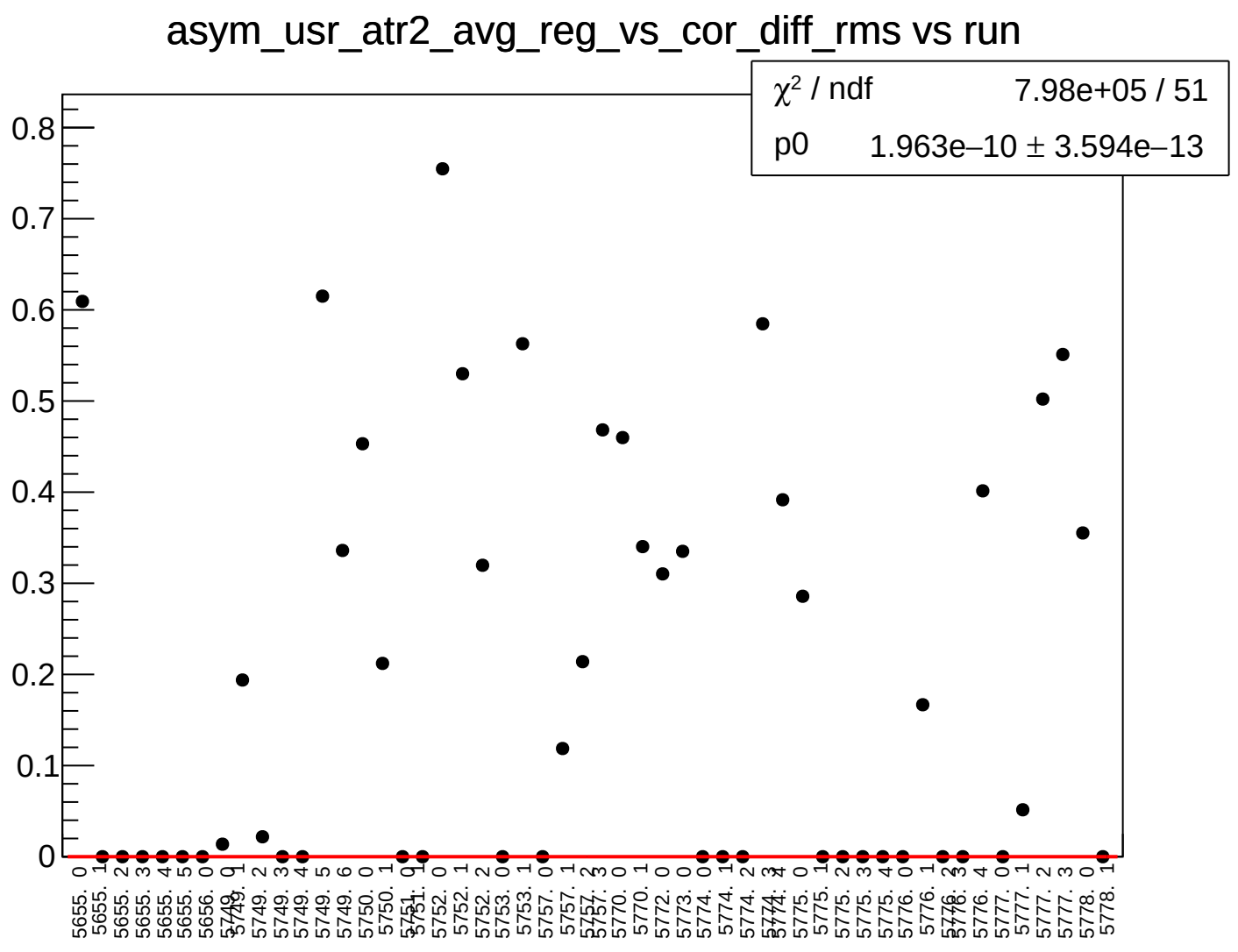

asym_usr_atr2_avg_mean vs run
×10^3
χ^2 / ndf 43.9 / 51
p0 1307 ± 7493
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 52
Mean 92.74
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

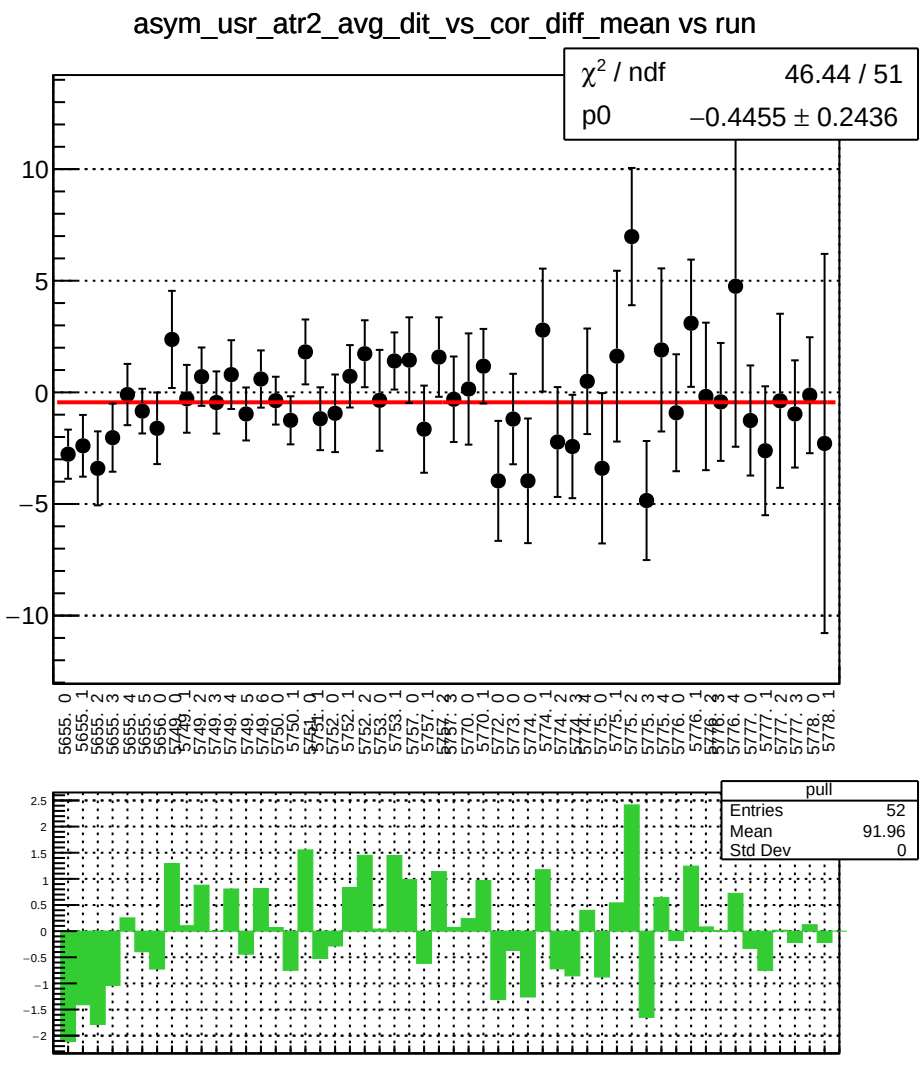

pull1D
Entries 52
Mean −0.01975
Std Dev 0.9186
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

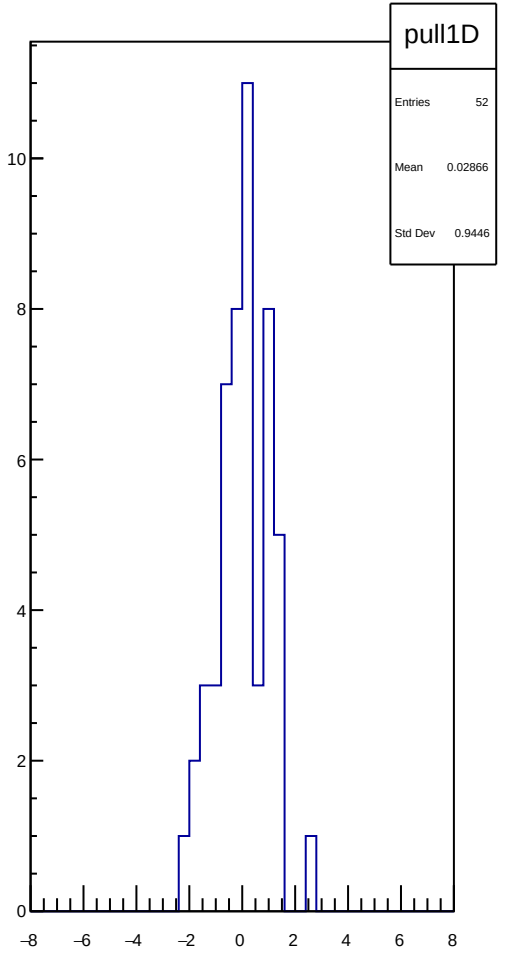

asym_usr_atr2_avg_rms vs run
χ² / ndf 3.797e+04 / 51
p0 5451 ± 5.298
8000
7500
7000
6500
6000
5500
5000
4500
4000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

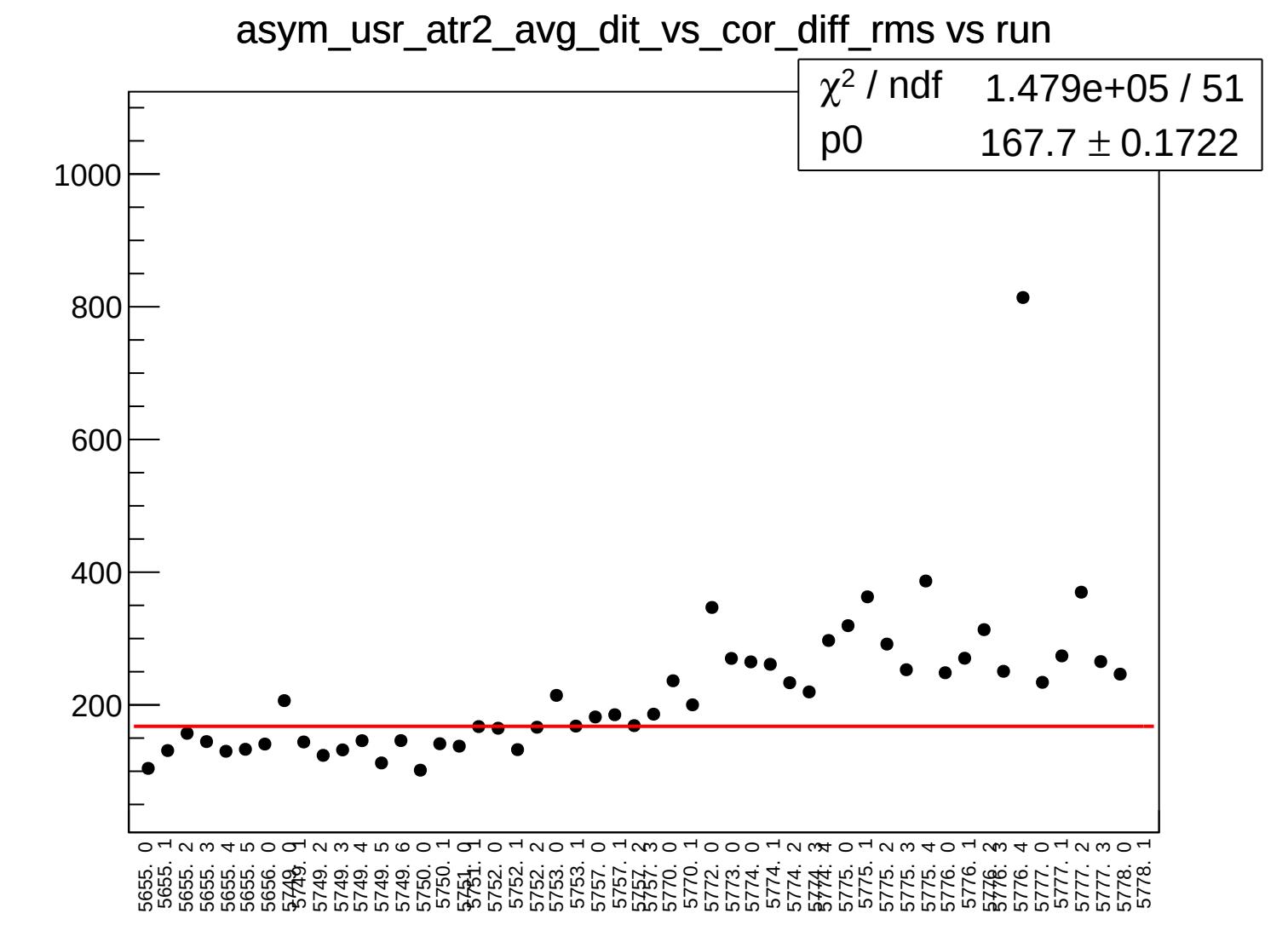

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 37.88 / 51
p0 −8.992e−13 ± 5.083e−13
pull
Entries 52
Mean 85.62
Std Dev 0

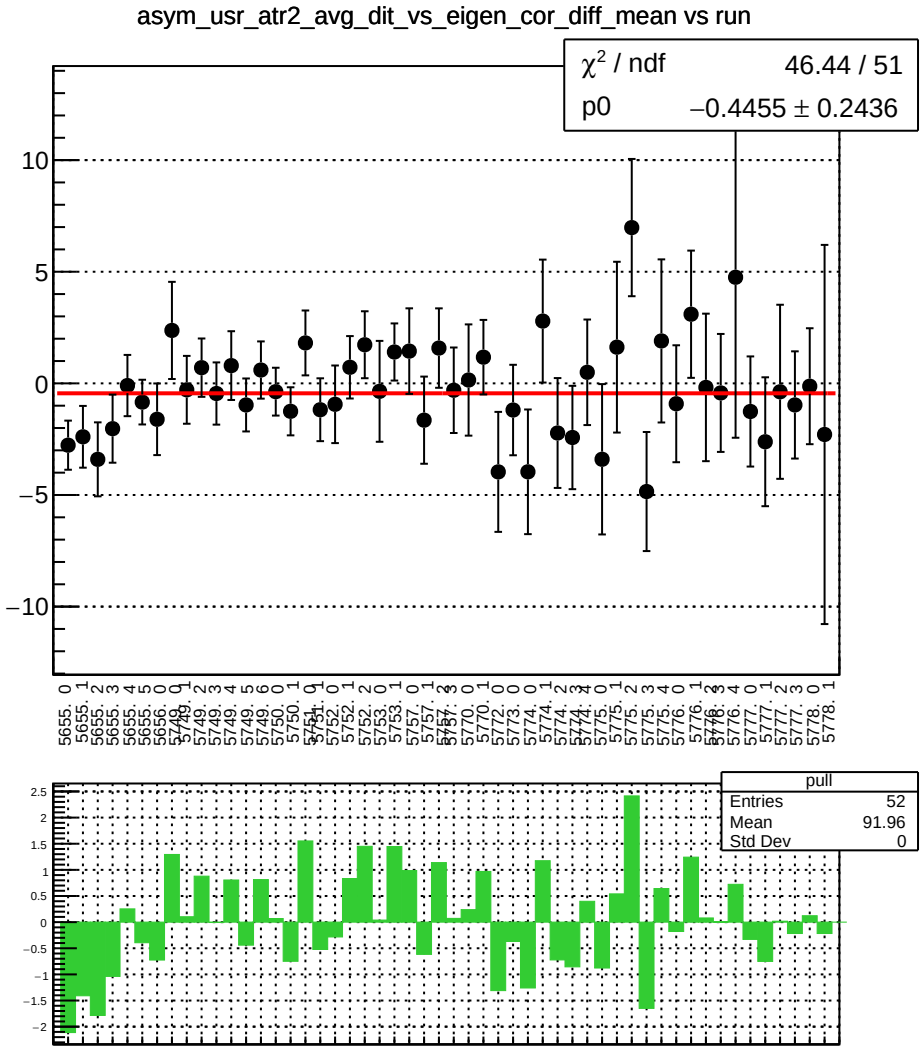

pull1D
Entries 52
Mean 0.01399
Std Dev 0.8534

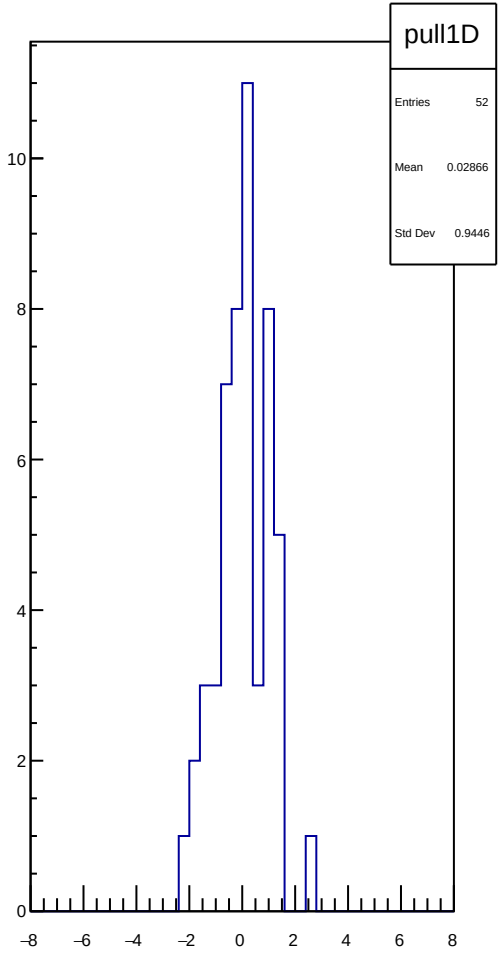

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.98e+05 / 51
p0 1.963e−10 ± 3.594e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

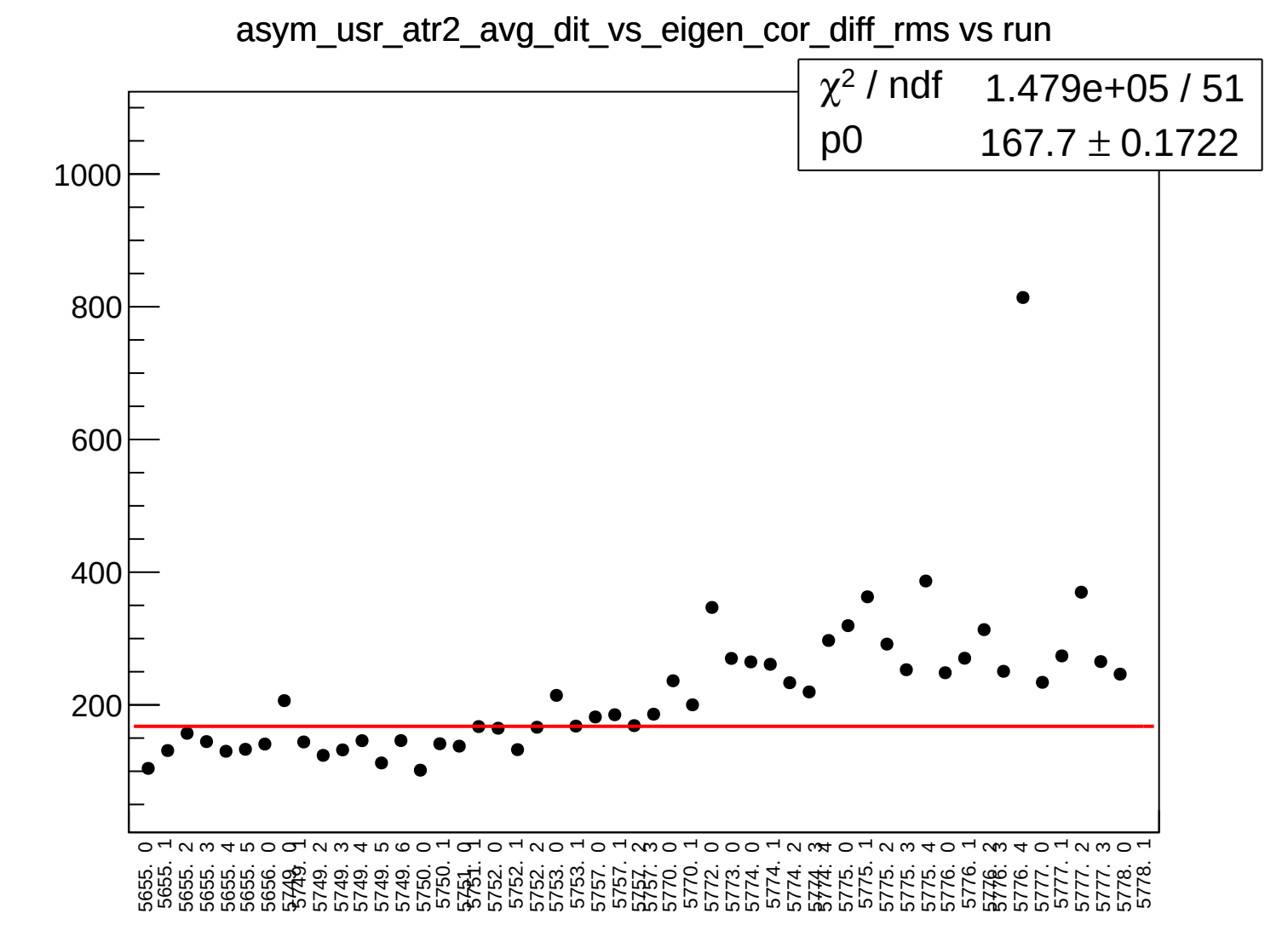

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 46.44 / 51
p0 −0.4455 ± 0.2436
pull
Entries 52
Mean 91.96
Std Dev 0

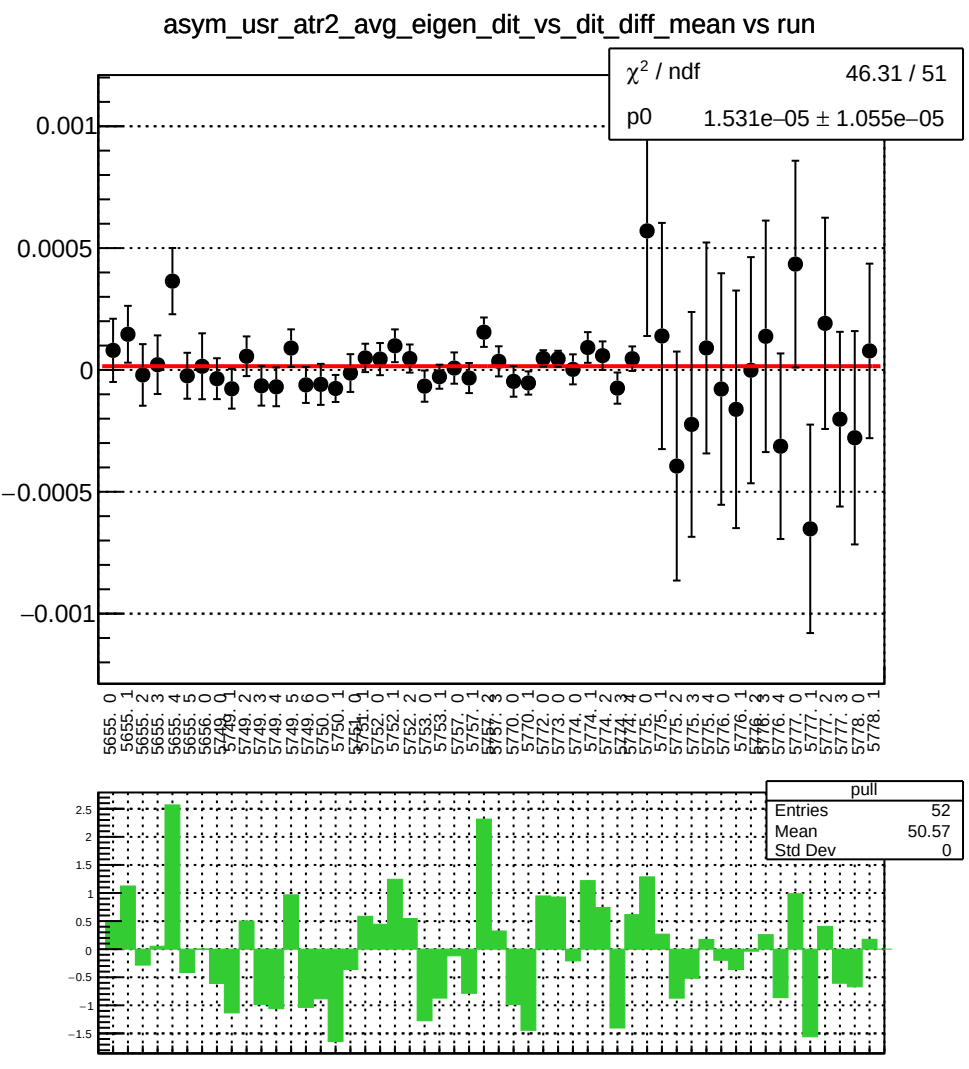

pull1D
Entries 52
Mean 0.02866
Std Dev 0.9446

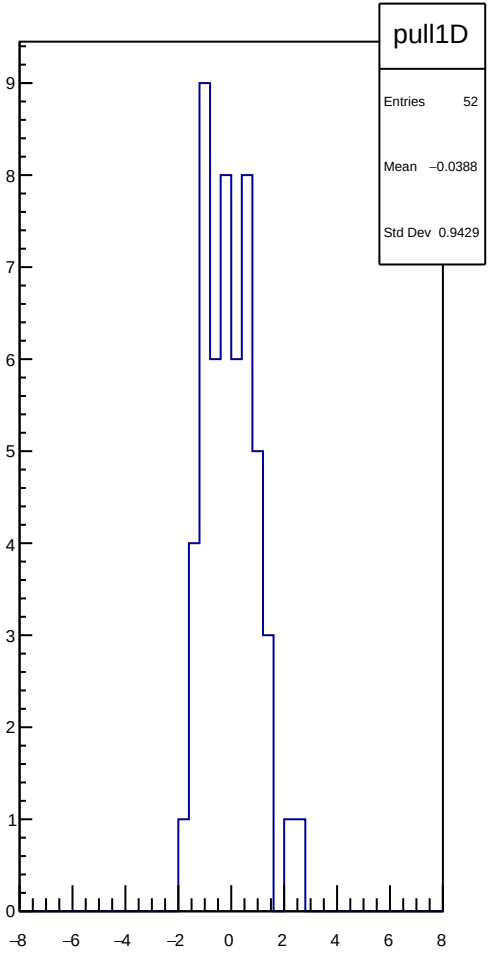

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.479e+05 / 51
p0 167.7 ± 0.1722
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

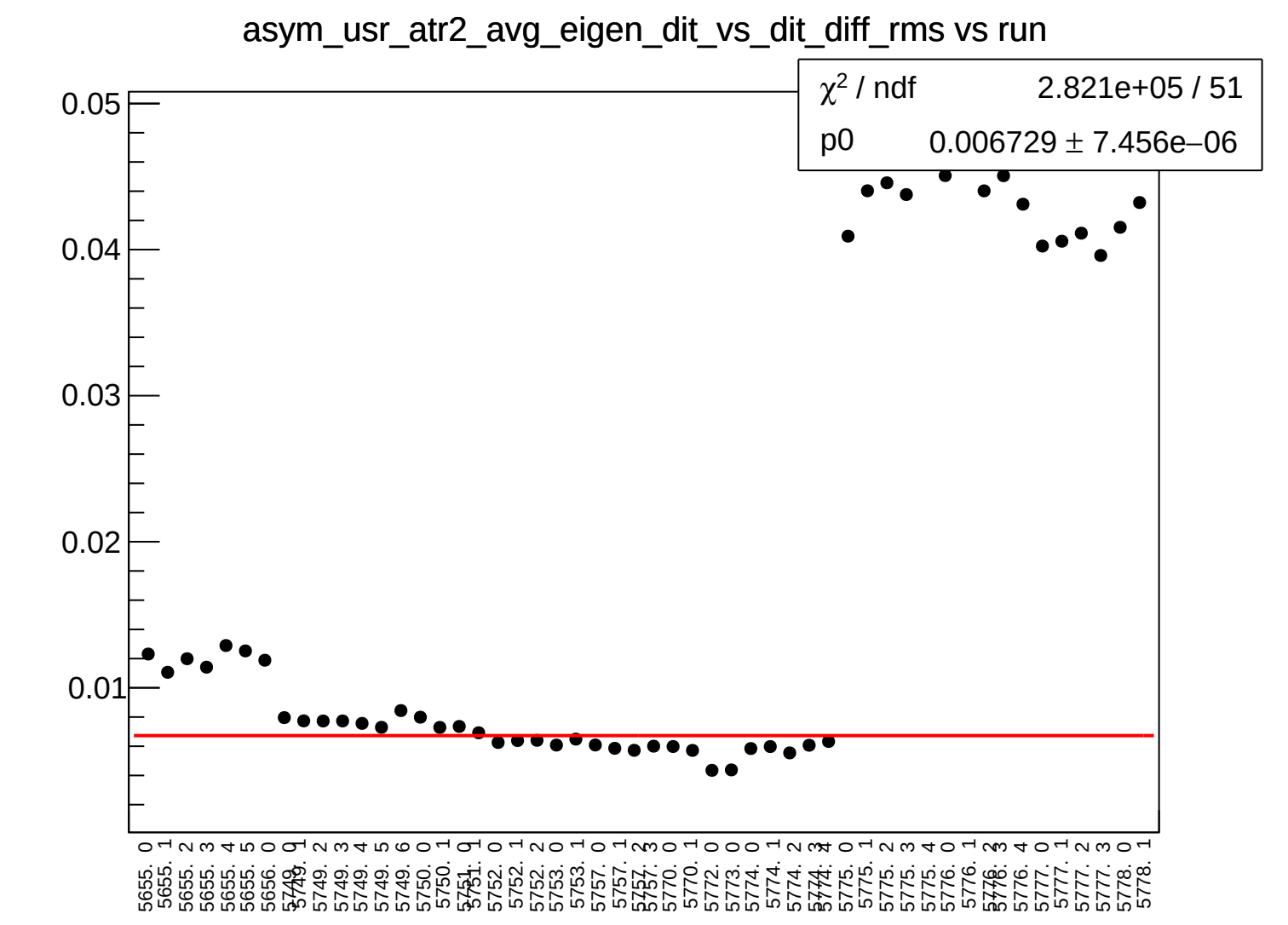

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.44 / 51
p0 −0.4455 ± 0.2436
pull
Entries 52
Mean 91.96
Std Dev 0

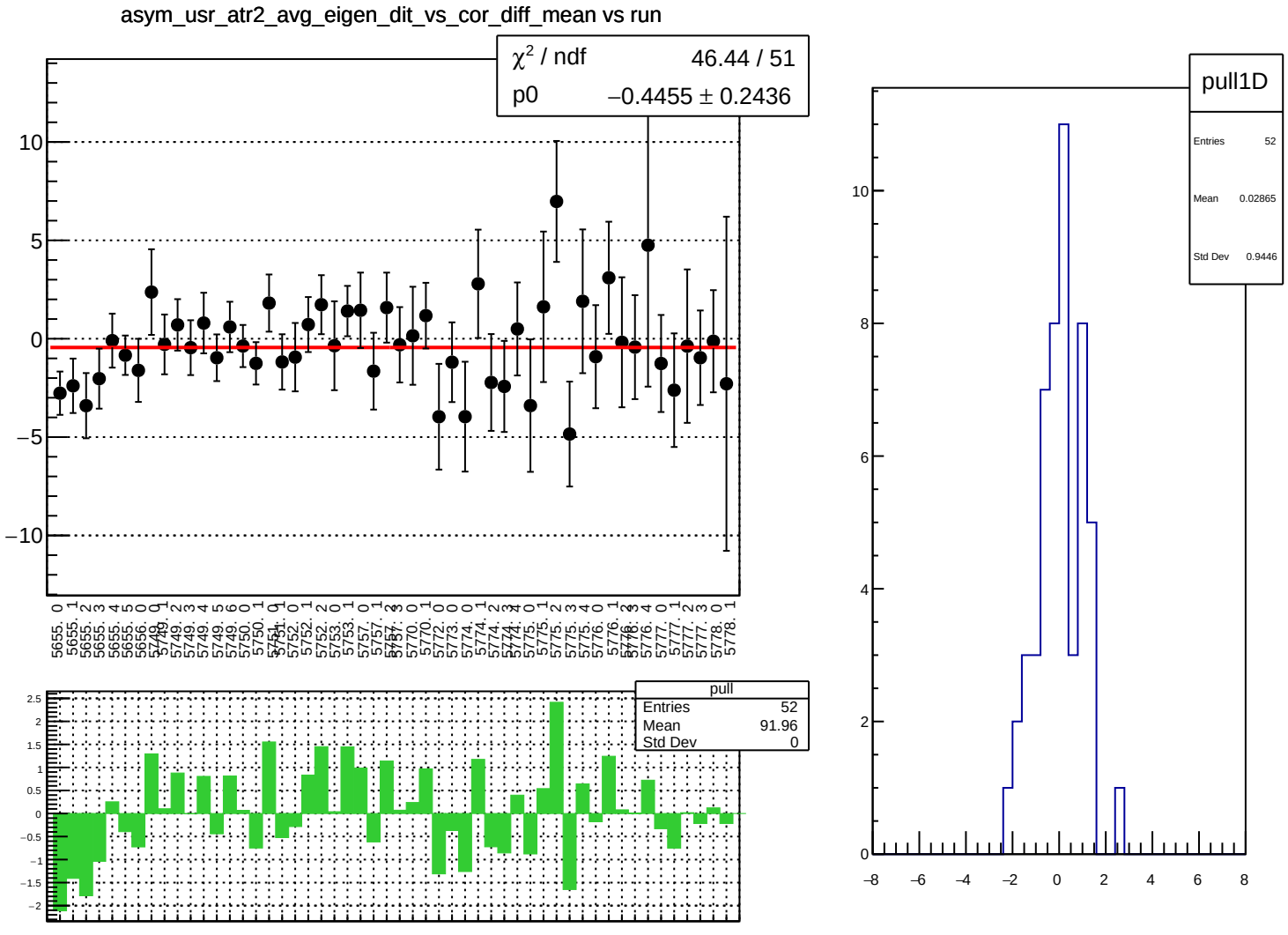

pull1D
Entries 52
Mean 0.02866
Std Dev 0.9446

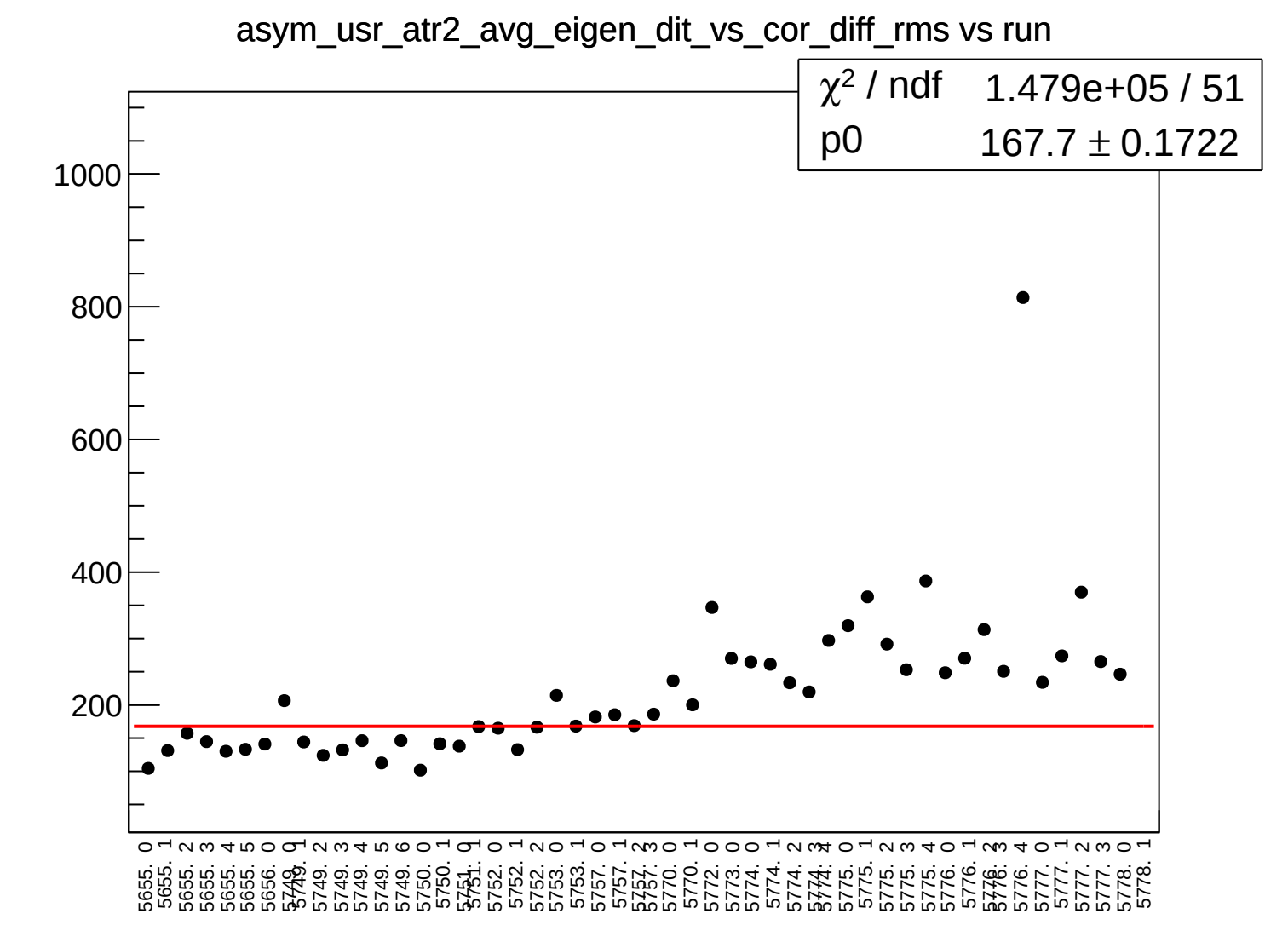

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.479e+05 / 51
p0 167.7 ± 0.1722
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

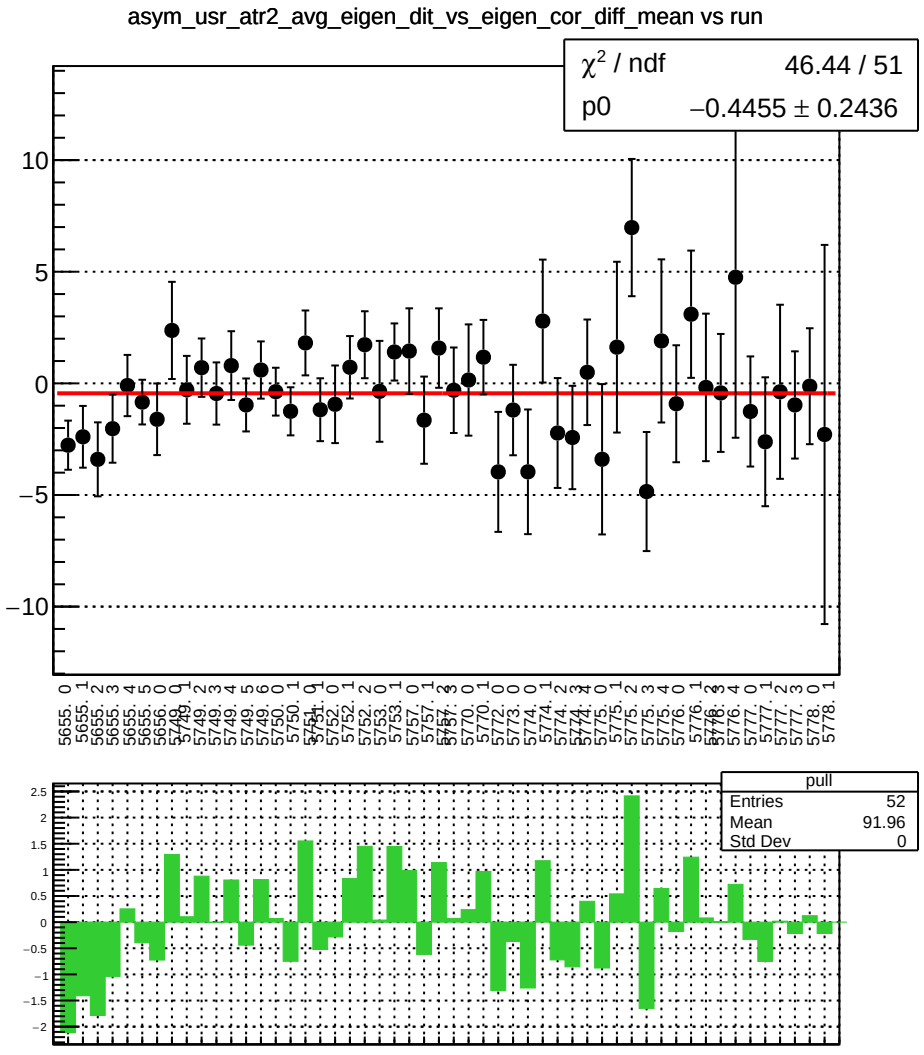

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 46.31 / 51
p0 1.531e−05 ± 1.055e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 52
Mean 50.57
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

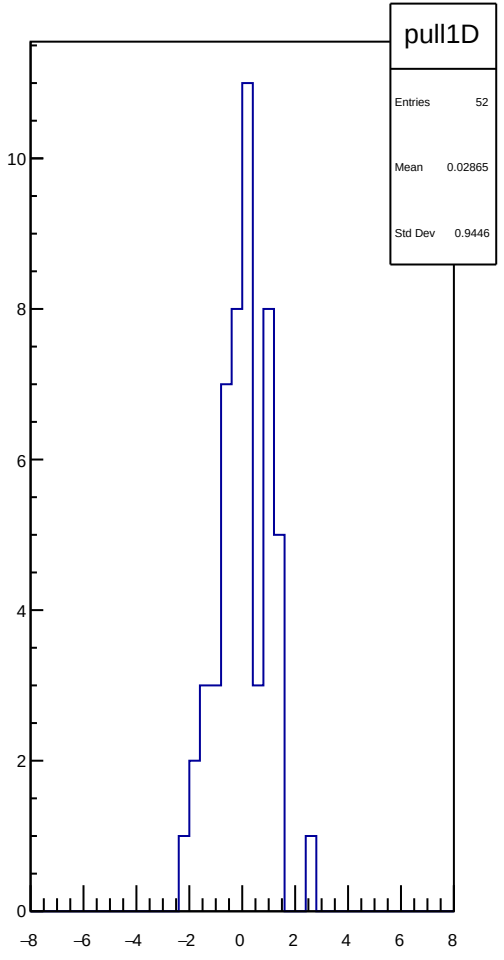

pull1D
Entries 52
Mean −0.0388
Std Dev 0.9429
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

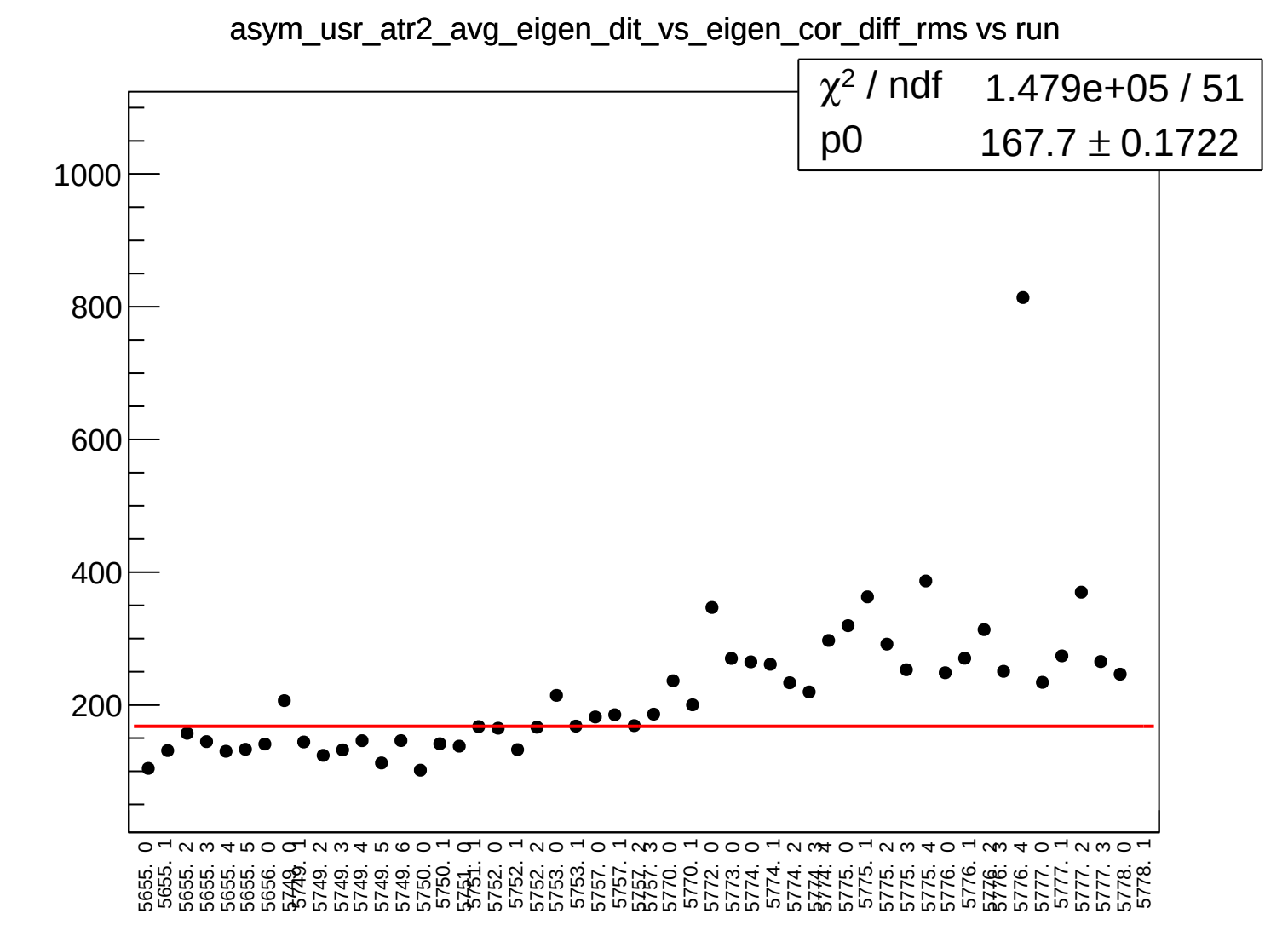

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.821e+05 / 51
p0 0.006729 ± 7.456e−06
0.05
0.04
0.03
0.02
0.01
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

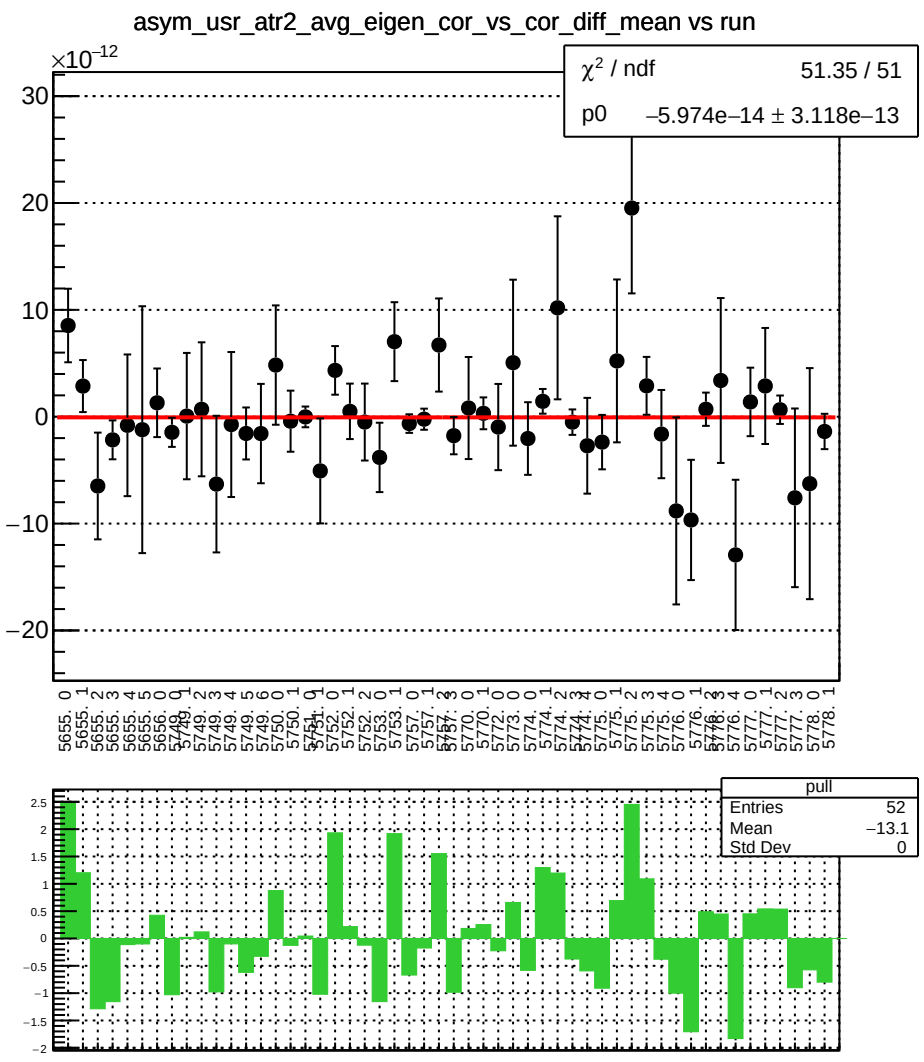

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.44 / 51
p0 −0.4455 ± 0.2436
pull
Entries 52
Mean 91.96
Std Dev 0
pull1D
Entries 52
Mean 0.02865
Std Dev 0.9446

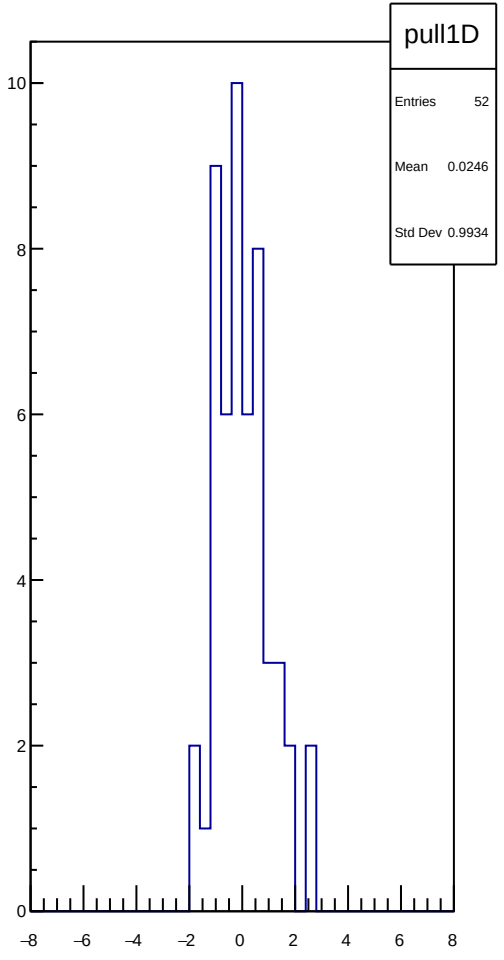

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.479e+05 / 51
p0 167.7 ± 0.1722
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

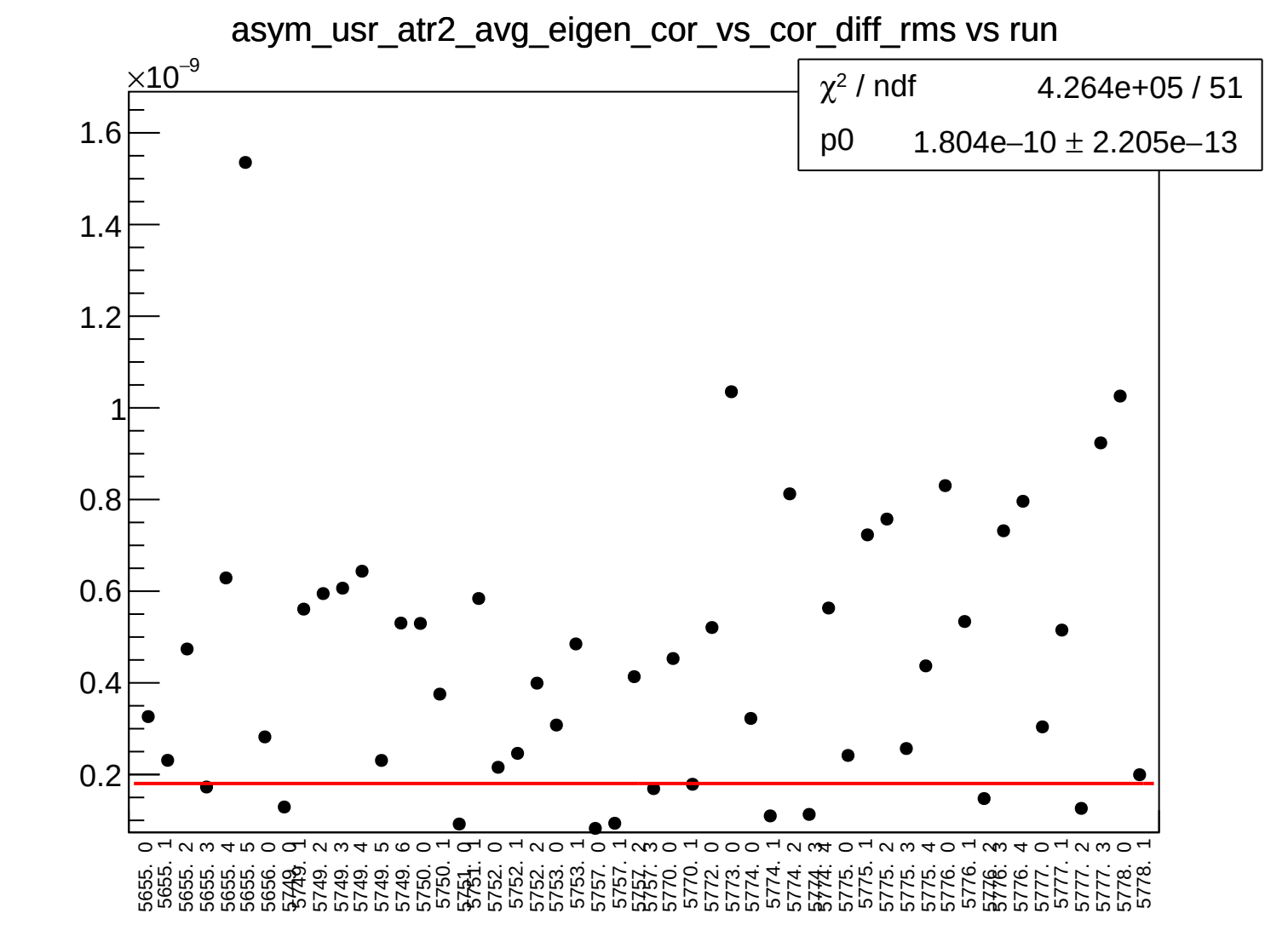

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.44 / 51
p0 −0.4455 ± 0.2436
pull
Entries 52
Mean 91.96
Std Dev 0

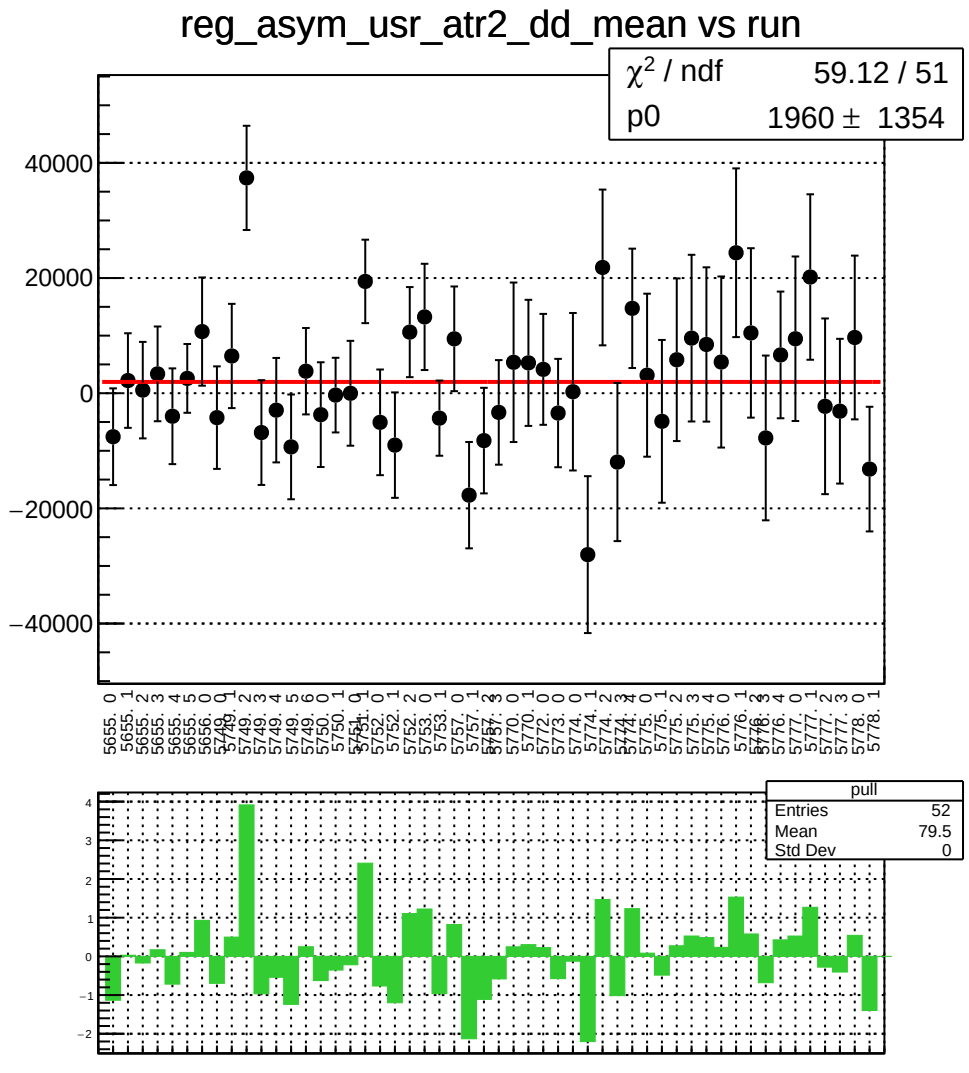

pull1D
Entries 52
Mean 0.02865
Std Dev 0.9446

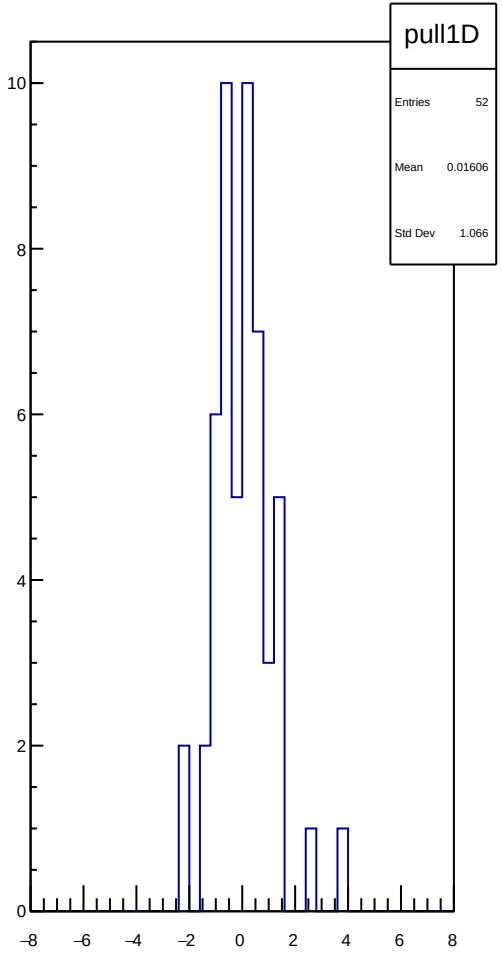

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.479e+05 / 51
p0 167.7 ± 0.1722
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

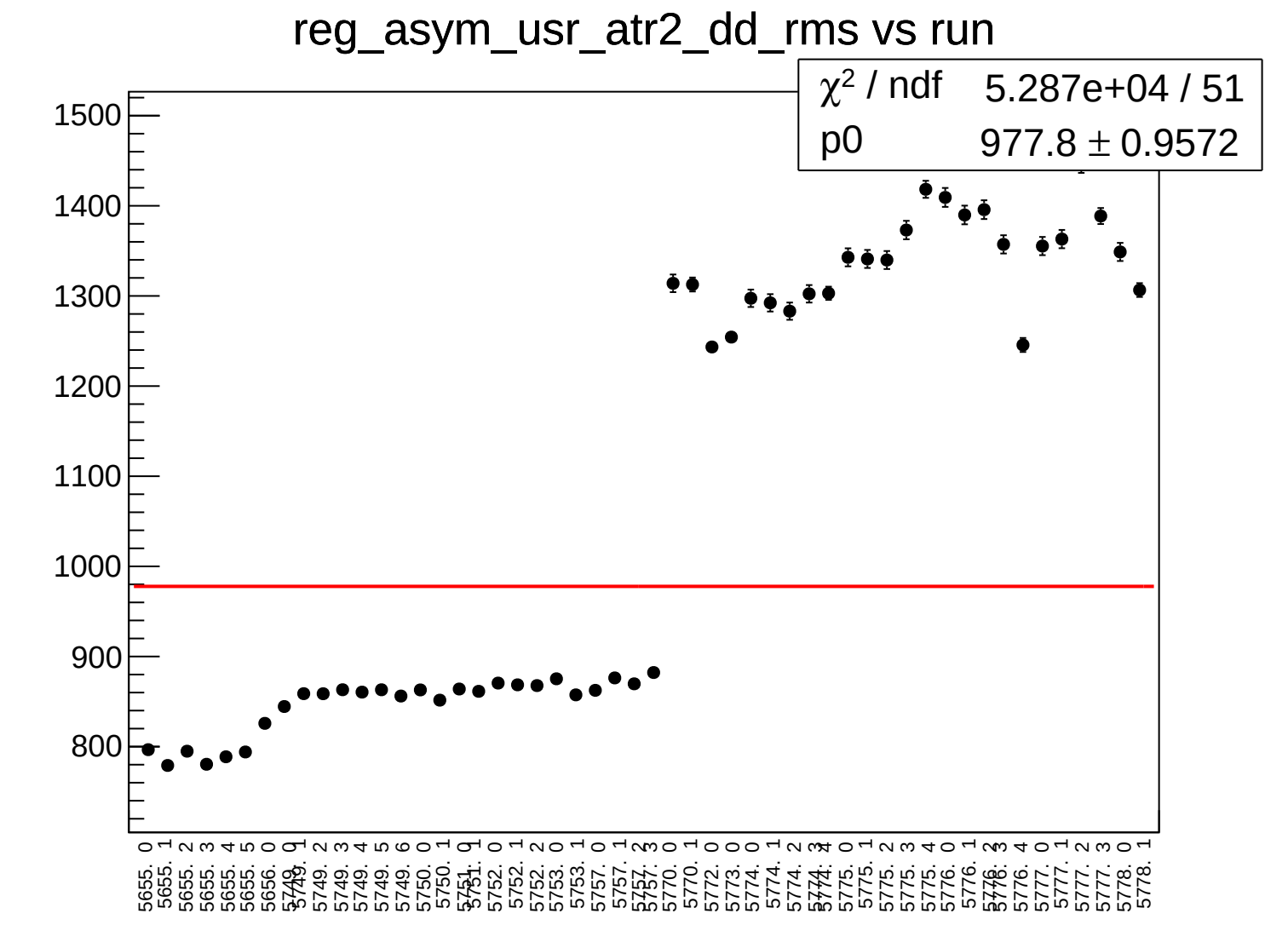

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.35 / 51
p0 −5.974e−14 ± 3.118e−13
pull
Entries 52
Mean −13.1
Std Dev 0

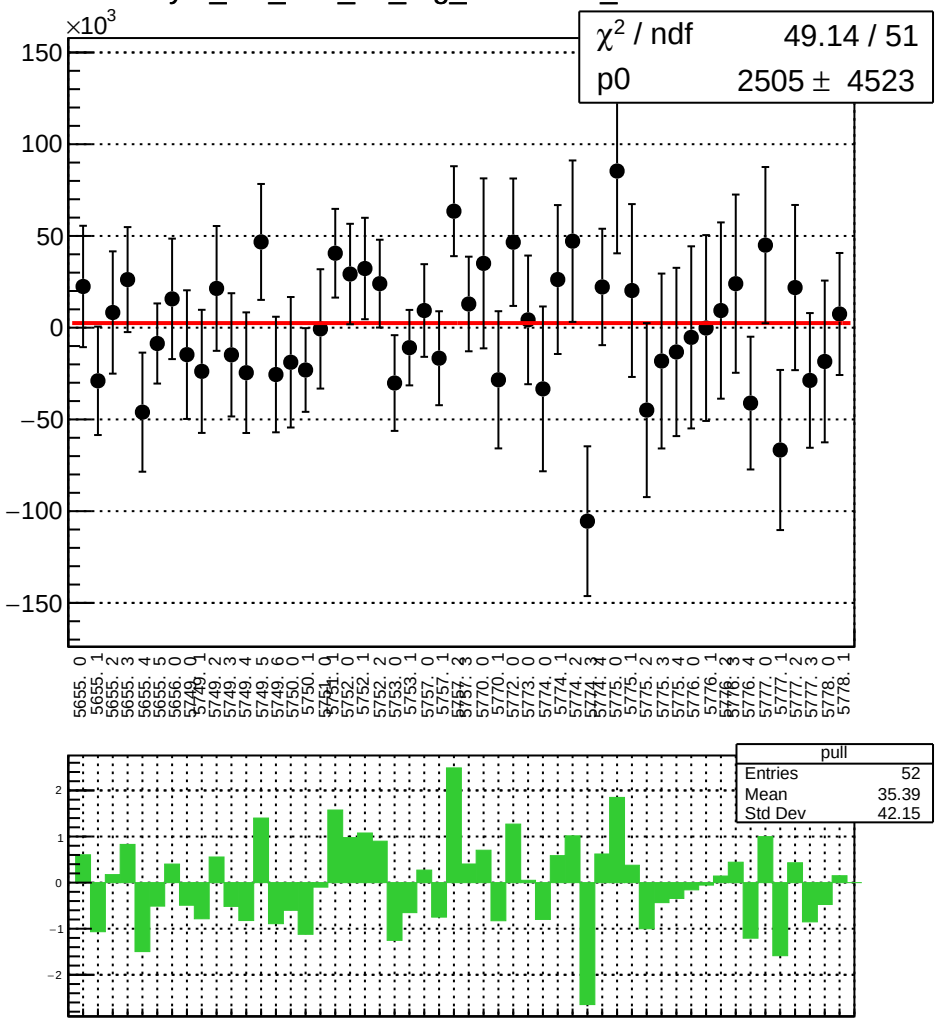

pull1D
Entries 52
Mean 0.0246
Std Dev 0.9934

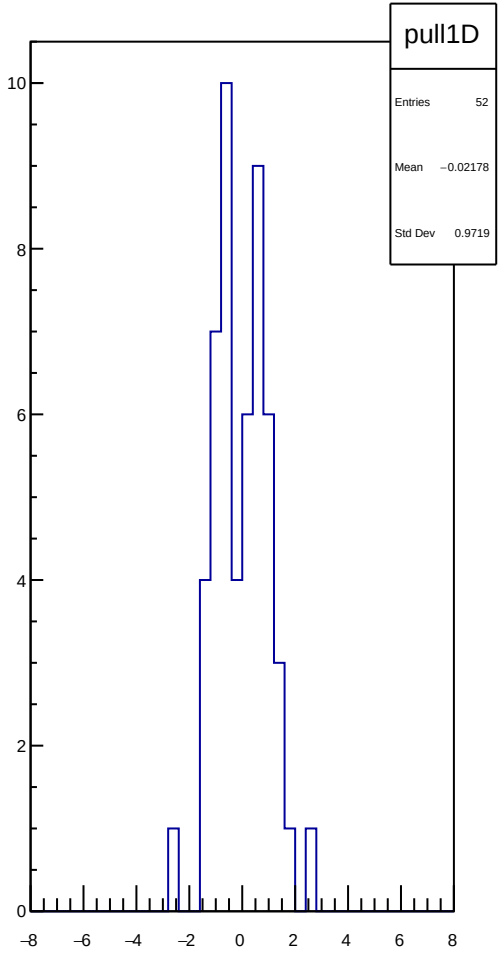

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.264e+05 / 51
p0 1.804e−10 ± 2.205e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

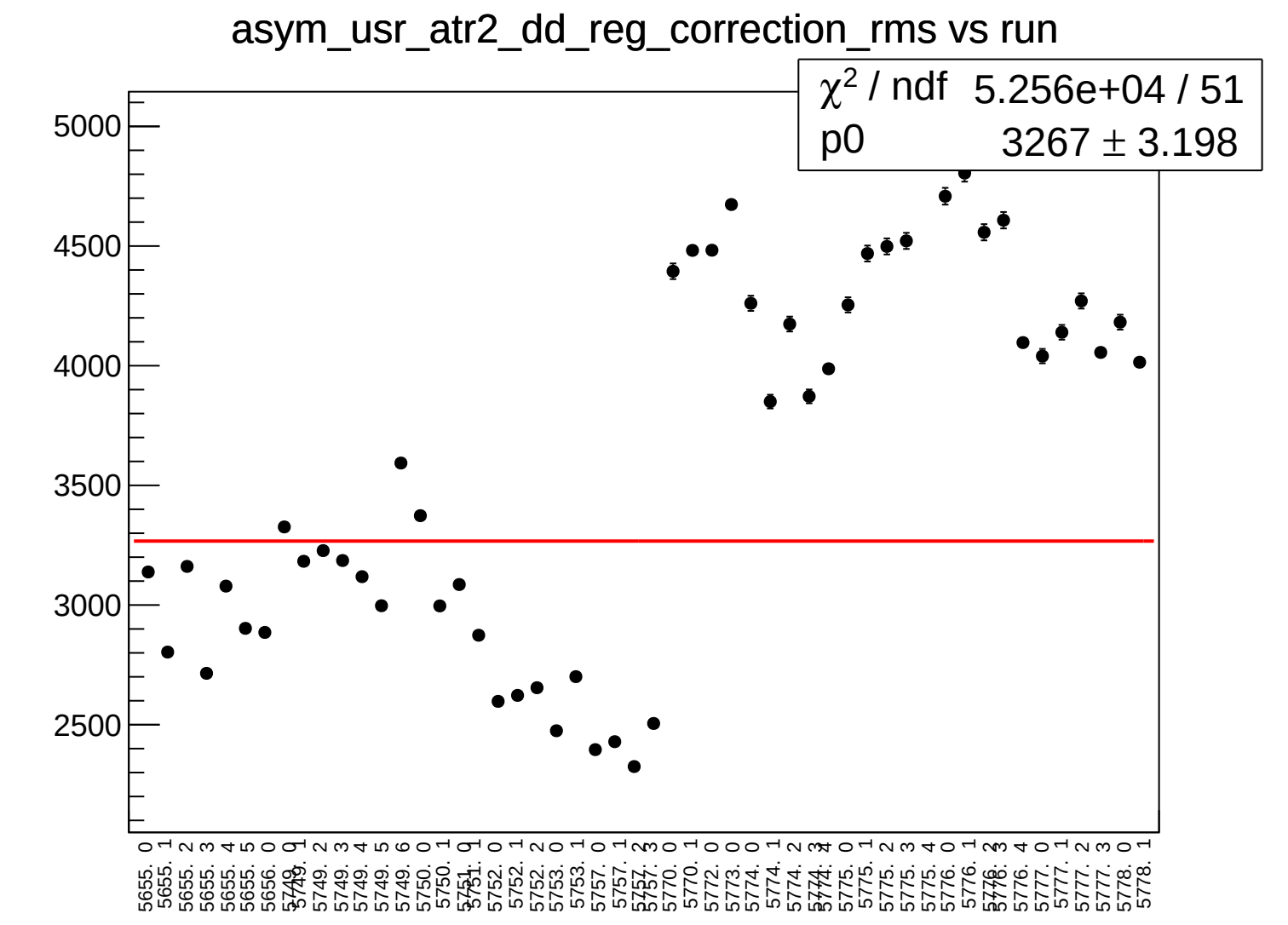

reg_asym_usr_atr2_dd_mean vs run
χ² / ndf 59.12 / 51
p0 1960 ± 1354
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 79.5
Std Dev 0


pull1D
Entries 52
Mean 0.01606
Std Dev 1.066
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_usr_atr2_dd_rms vs run
χ² / ndf 5.287e+04 / 51
p0 977.8 ± 0.9572
1500
1400
1300
1200
1100
1000
900
800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usr_atr2_dd_reg_correction_mean vs run
×10^3
χ^2 / ndf 49.14 / 51
p0 2505 ± 4523
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean 35.39
Std Dev 42.15
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.02178
Std Dev 0.9719
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr2_dd_reg_correction_rms vs run
χ² / ndf 5.256e+04 / 51
p0 3267 ± 3.198
5000
4500
4000
3500
3000
2500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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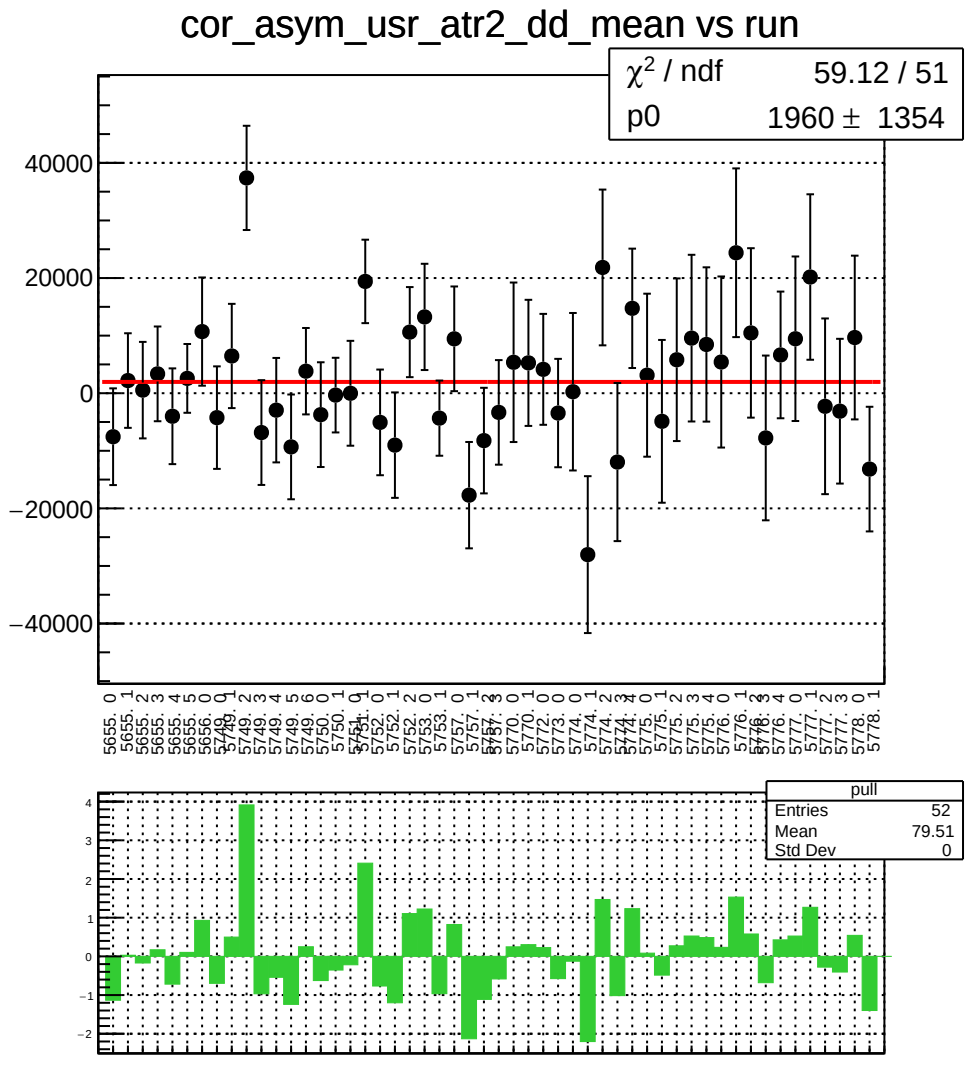
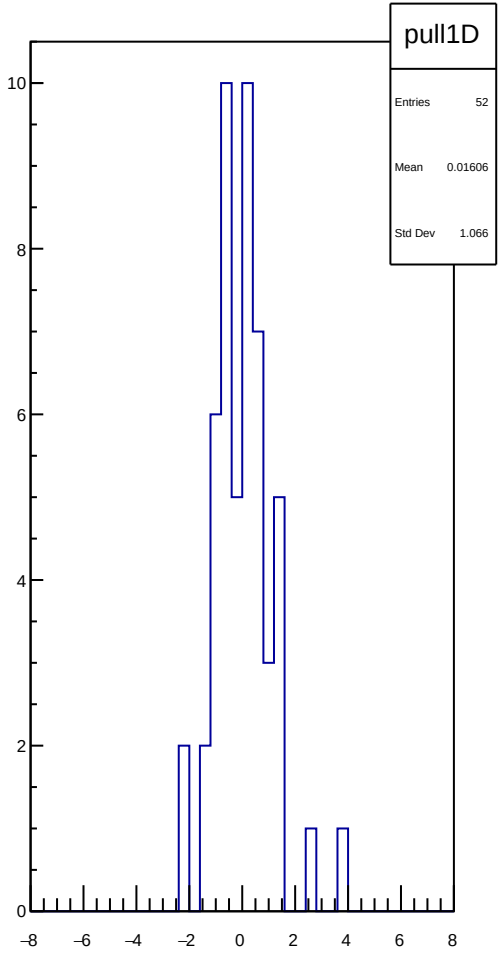
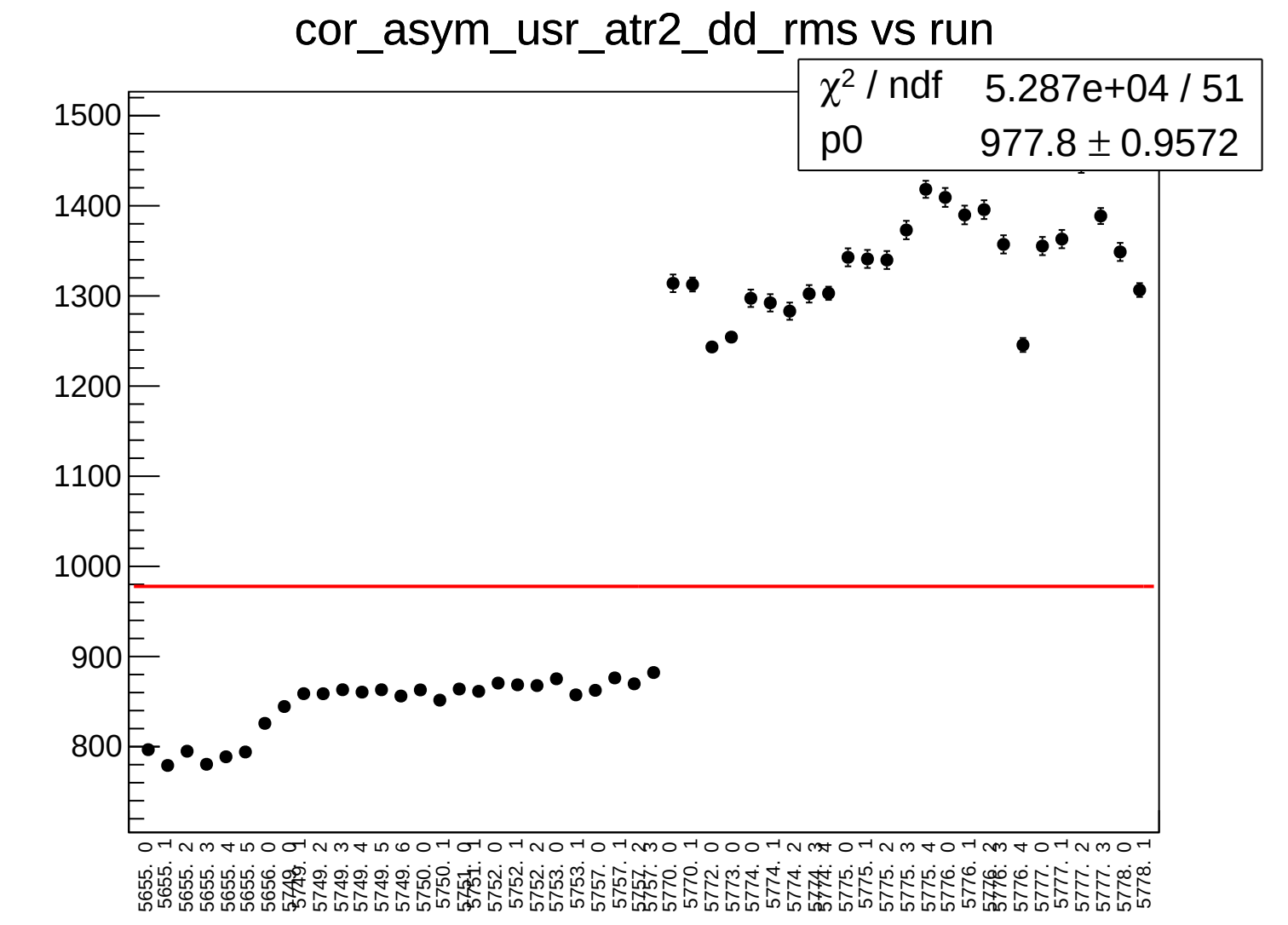
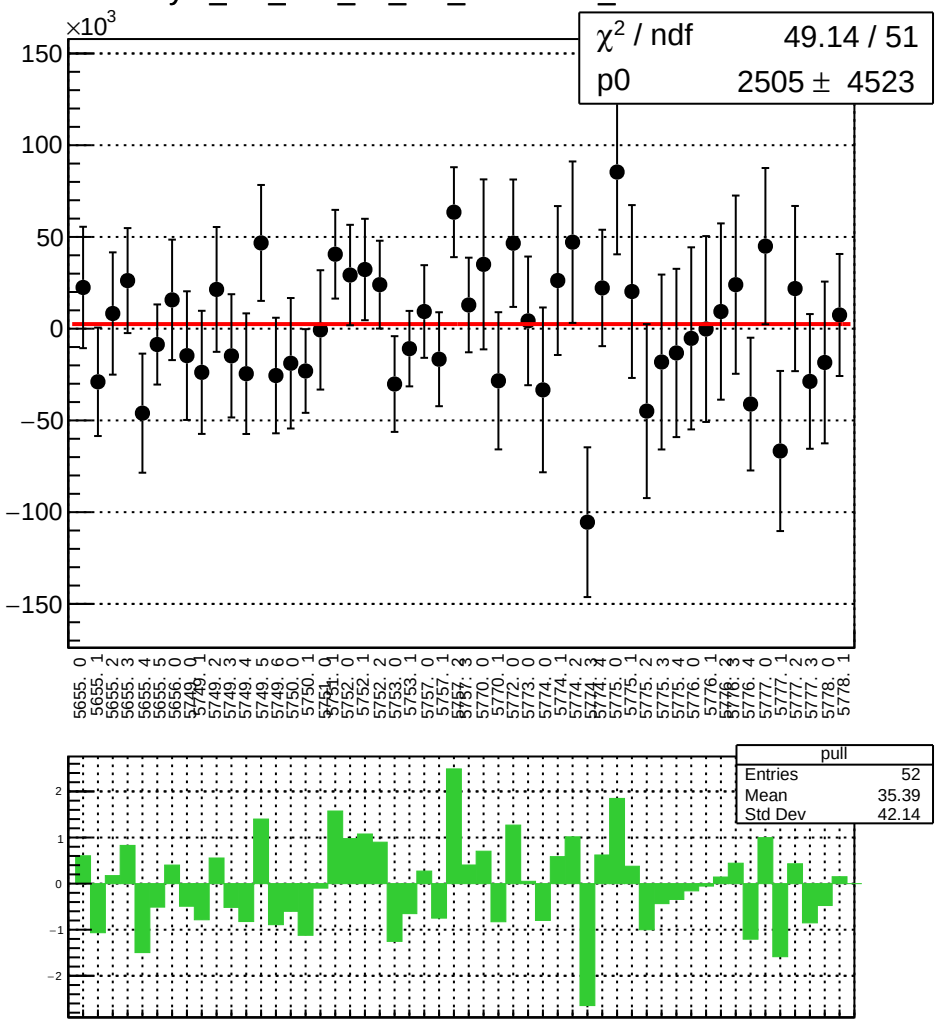
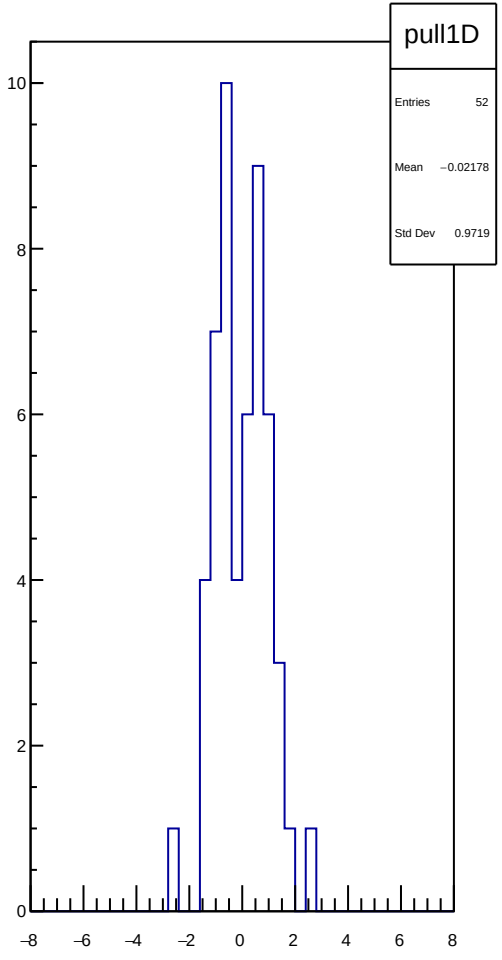
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

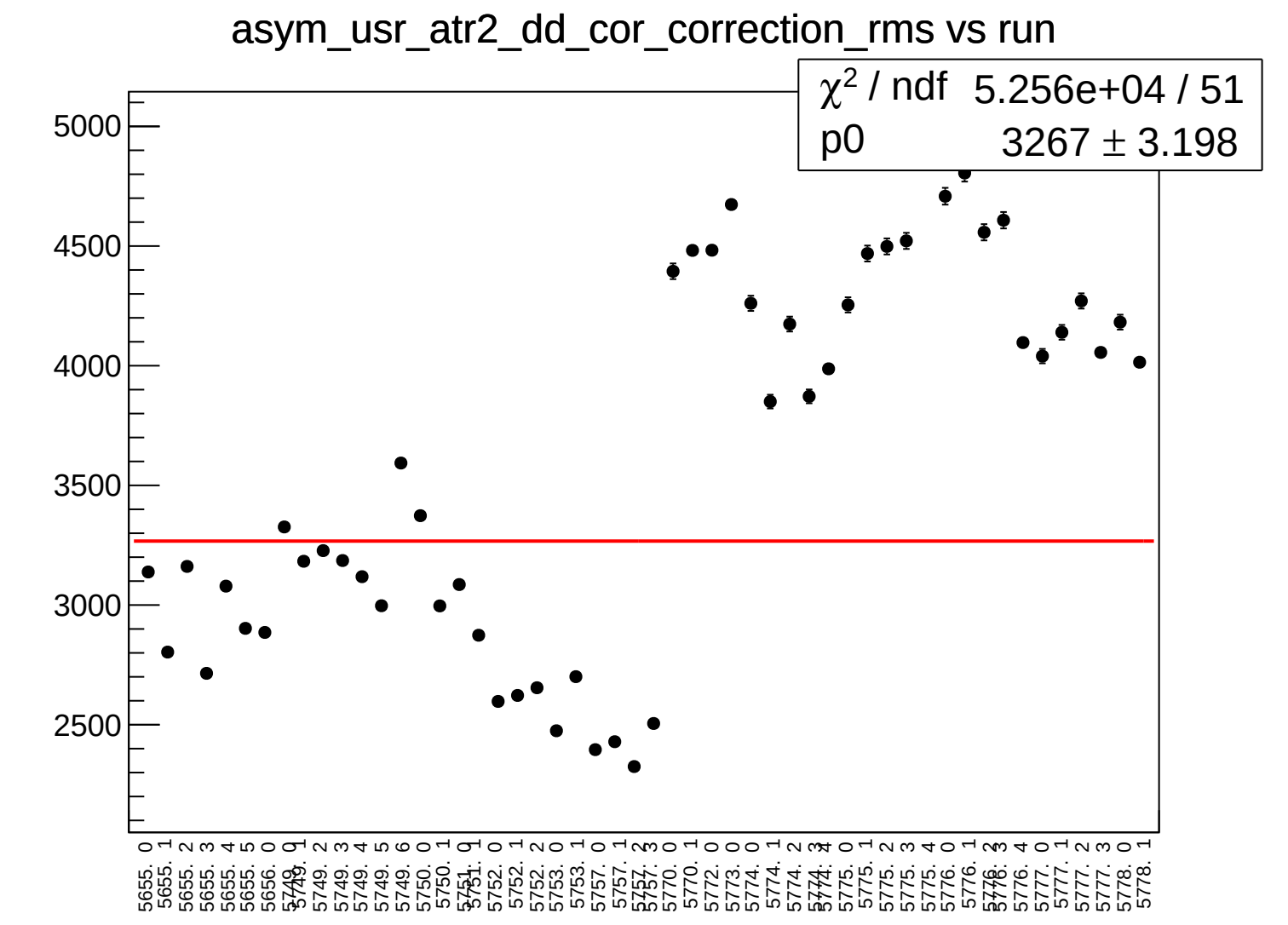

cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 59.12 / 51
p0 1960 ± 1354
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 79.51
Std Dev 0

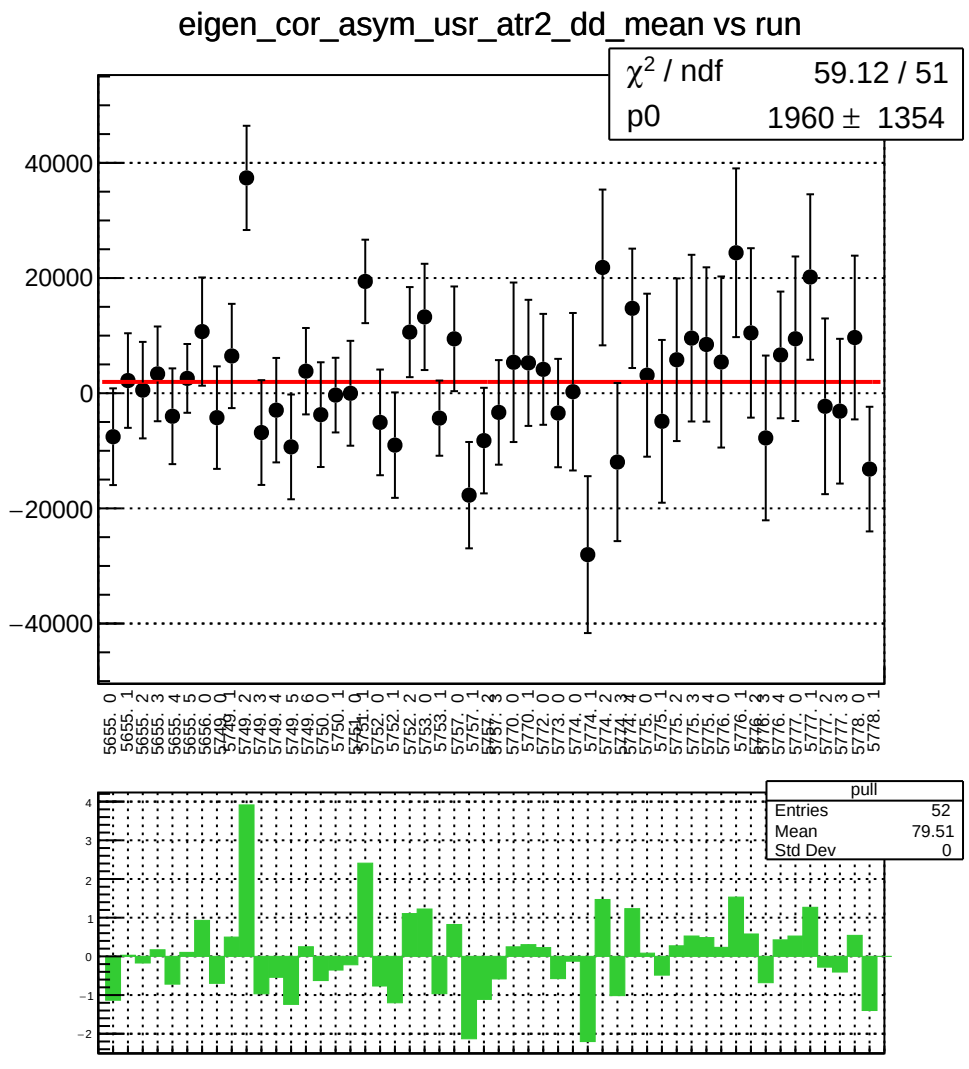

pull1D
Entries 52
Mean 0.01606
Std Dev 1.066
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

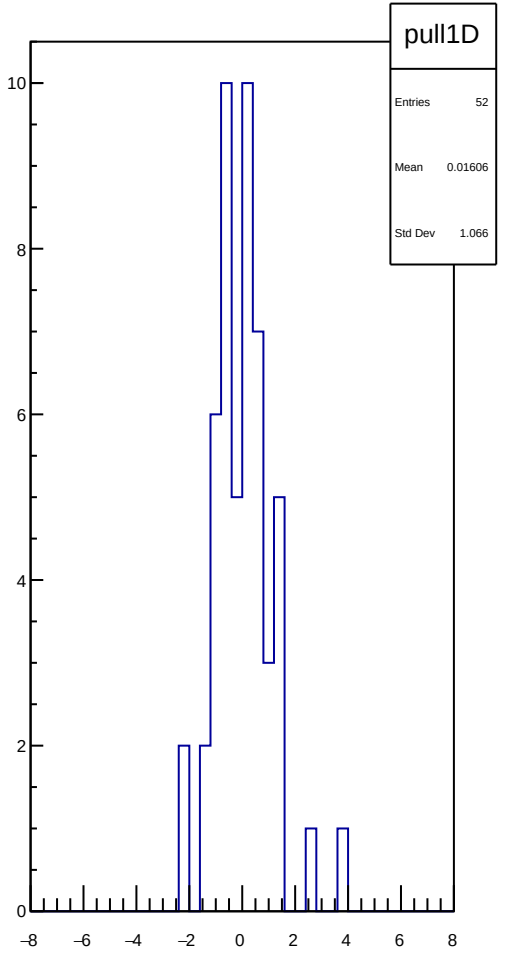

cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 5.287e+04 / 51
p0 977.8 ± 0.9572
1500
1400
1300
1200
1100
1000
900
800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

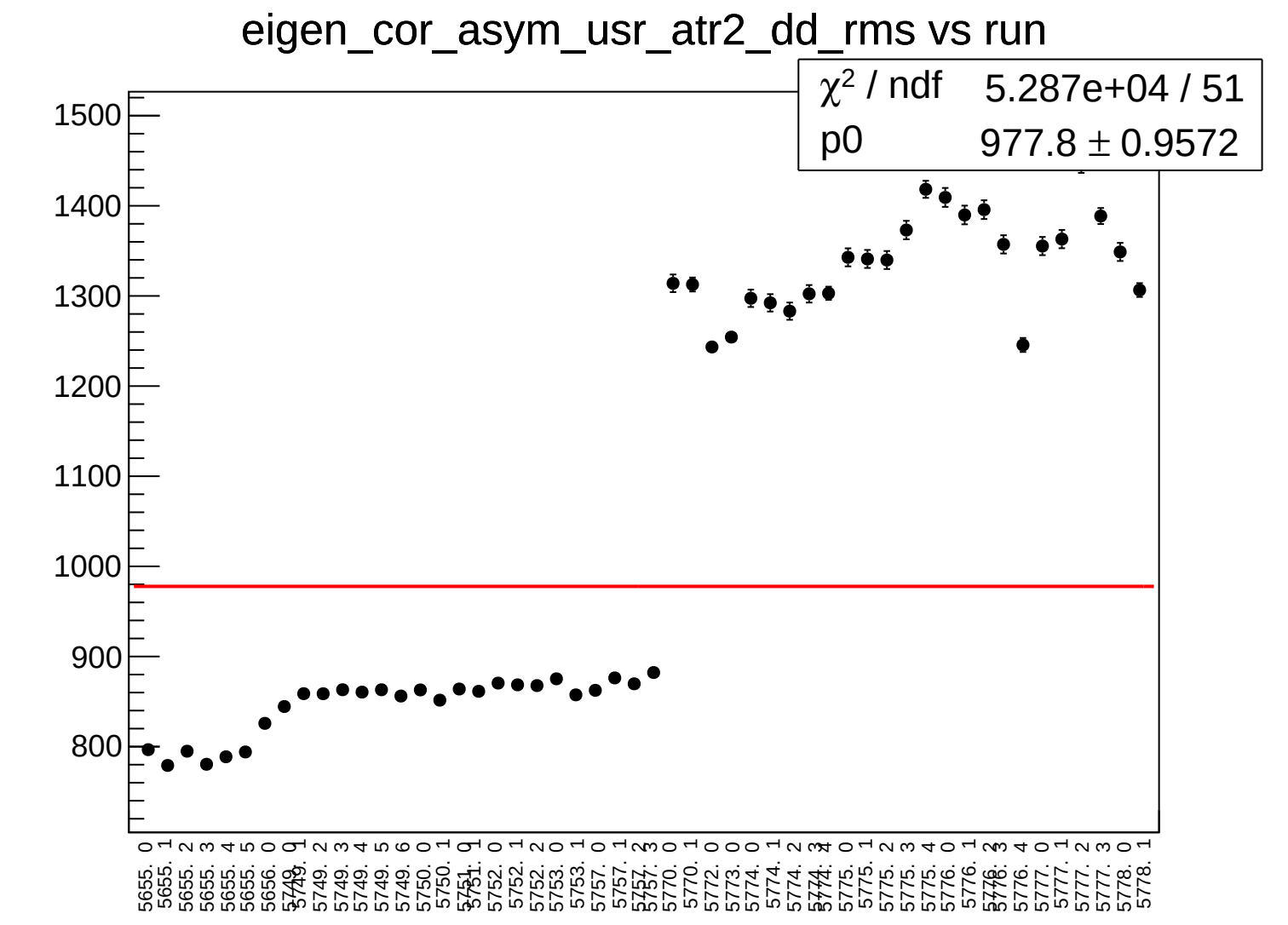

asym_usr_atr2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 49.14 / 51
p0 2505 ± 4523
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean 35.39
Std Dev 42.14
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.02178
Std Dev 0.9719
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr2_dd_cor_correction_rms vs run
χ² / ndf 5.256e+04 / 51
p0 3267 ± 3.198
5000
4500
4000
3500
3000
2500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 59.12 / 51
p0 1960 ± 1354
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 79.51
Std Dev 0
4
3
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01606
Std Dev 1.066
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 5.287e+04 / 51
p0 977.8 ± 0.9572
1500
1400
1300
1200
1100
1000
900
800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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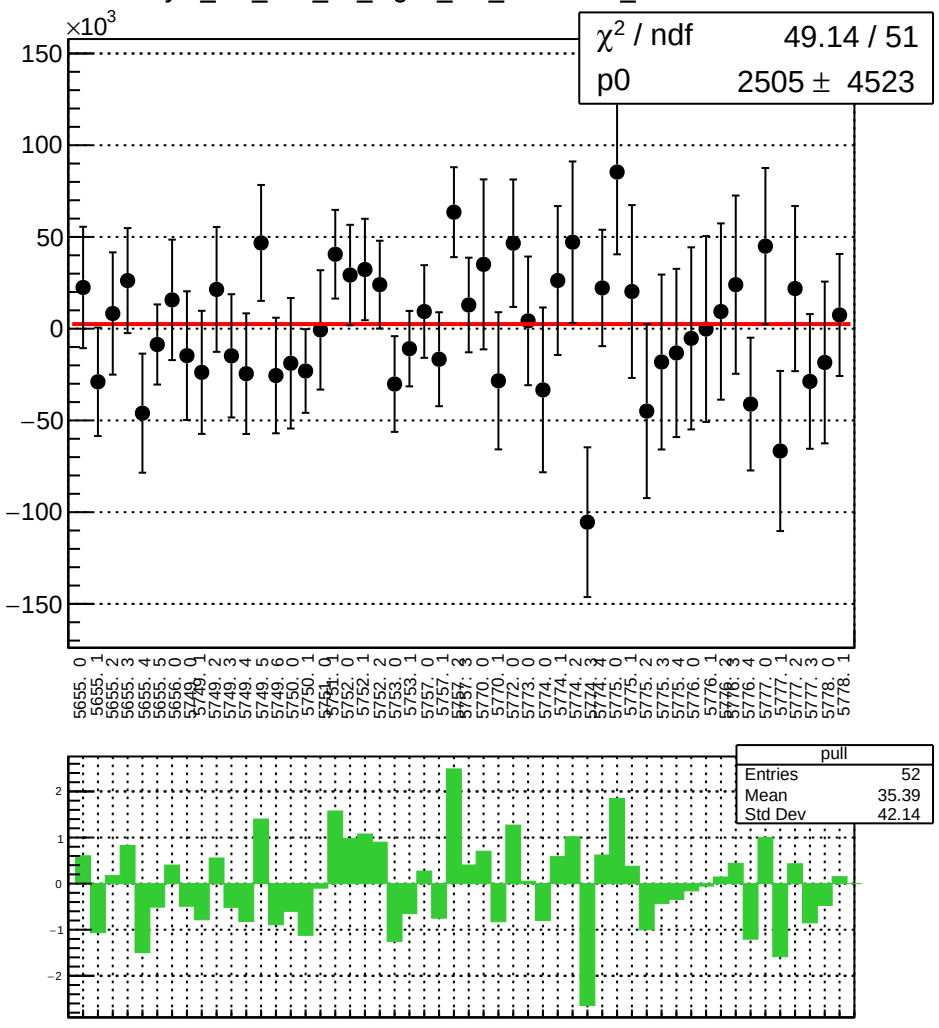
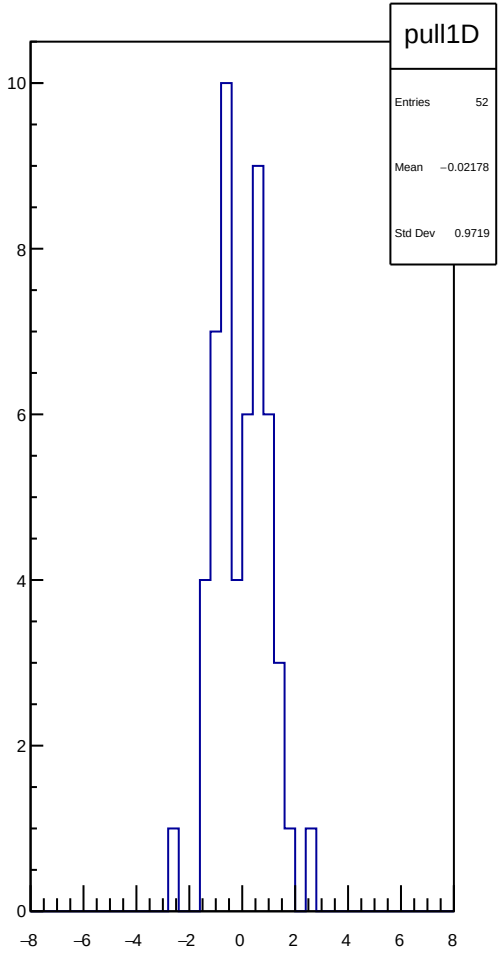
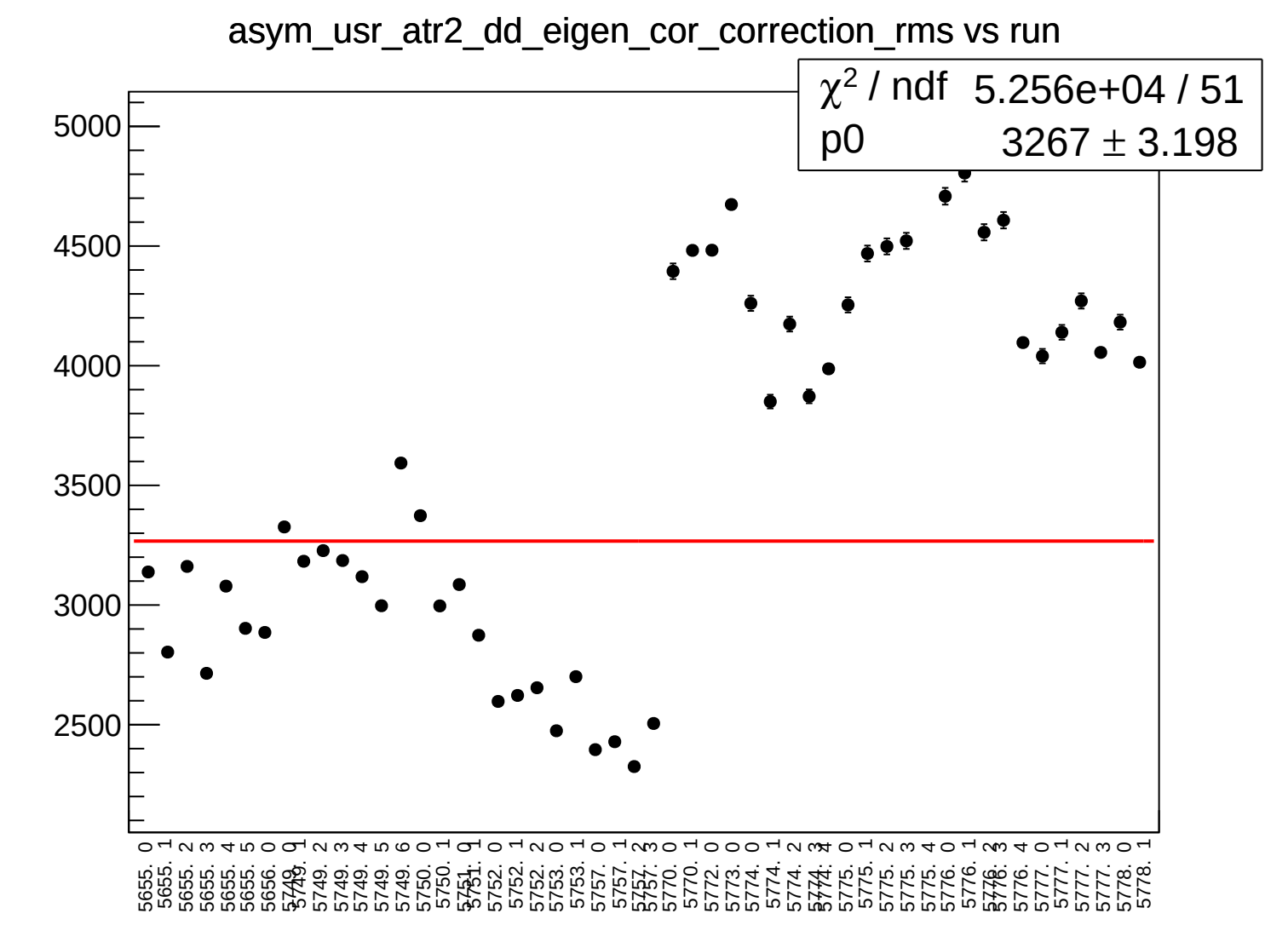
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usr_atr2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 49.14 / 51
p0 2505 ± 4523
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean 35.39
Std Dev 42.14
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.02178
Std Dev 0.9719
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr2_dd_eigen_cor_correction_rms vs run
χ² / ndf 5.256e+04 / 51
p0 3267 ± 3.198
5000
4500
4000
3500
3000
2500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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5776. 3
5776. 4
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5777. 1
5777. 2
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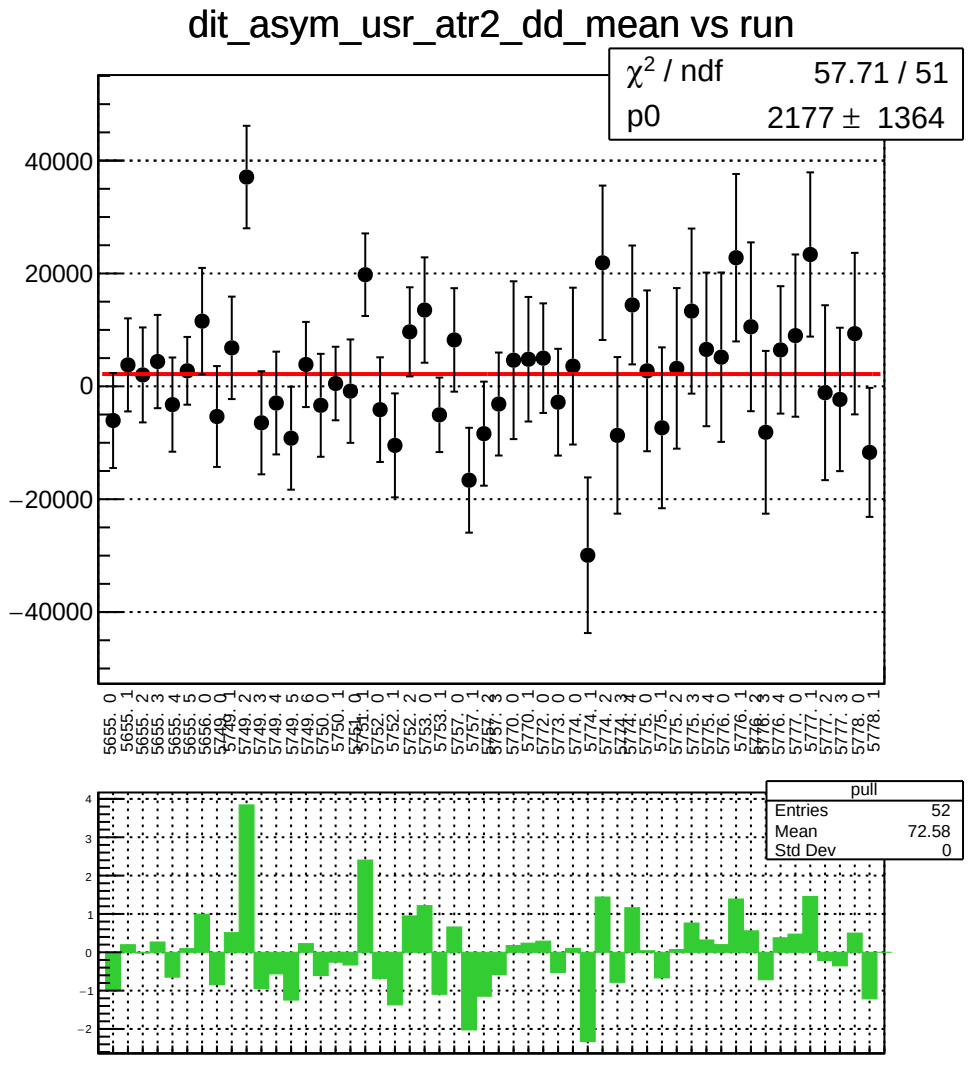
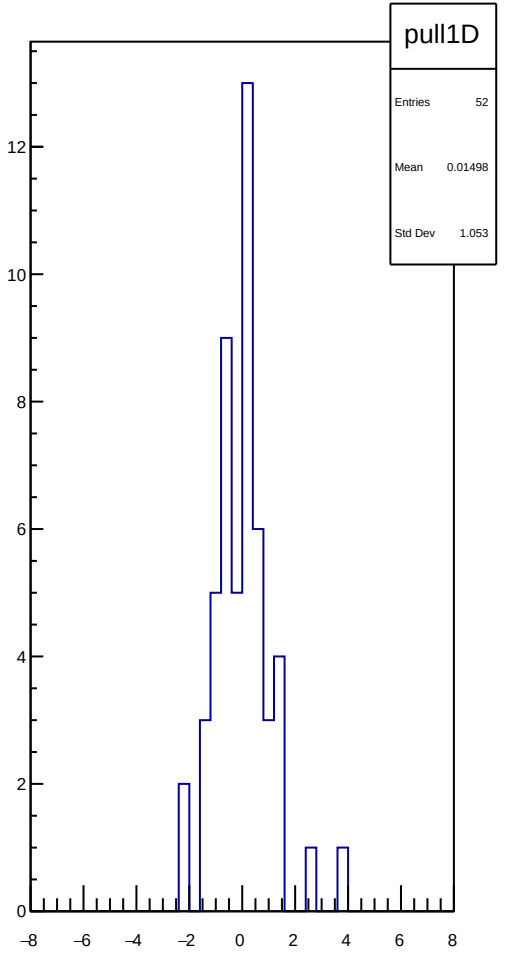
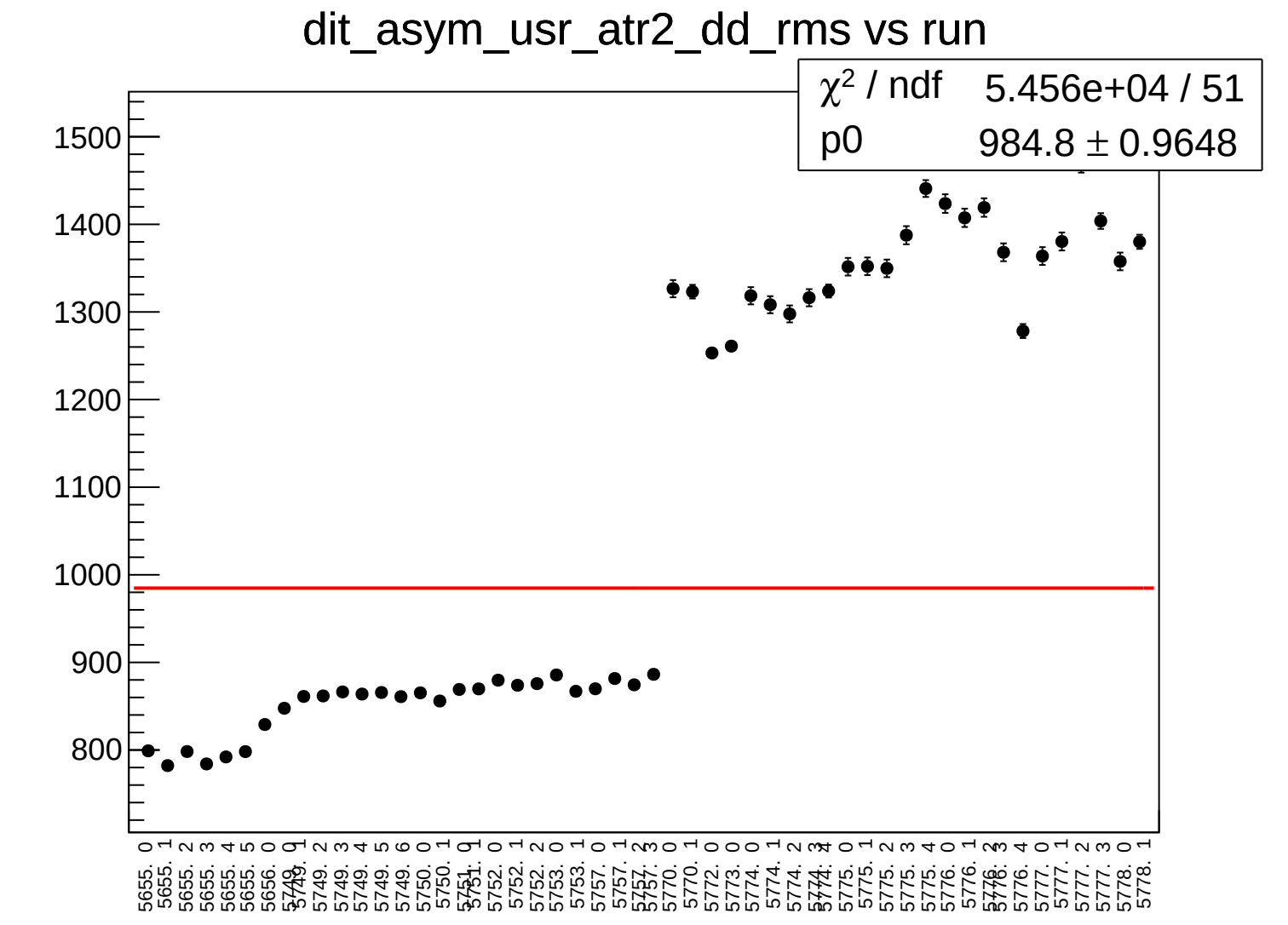
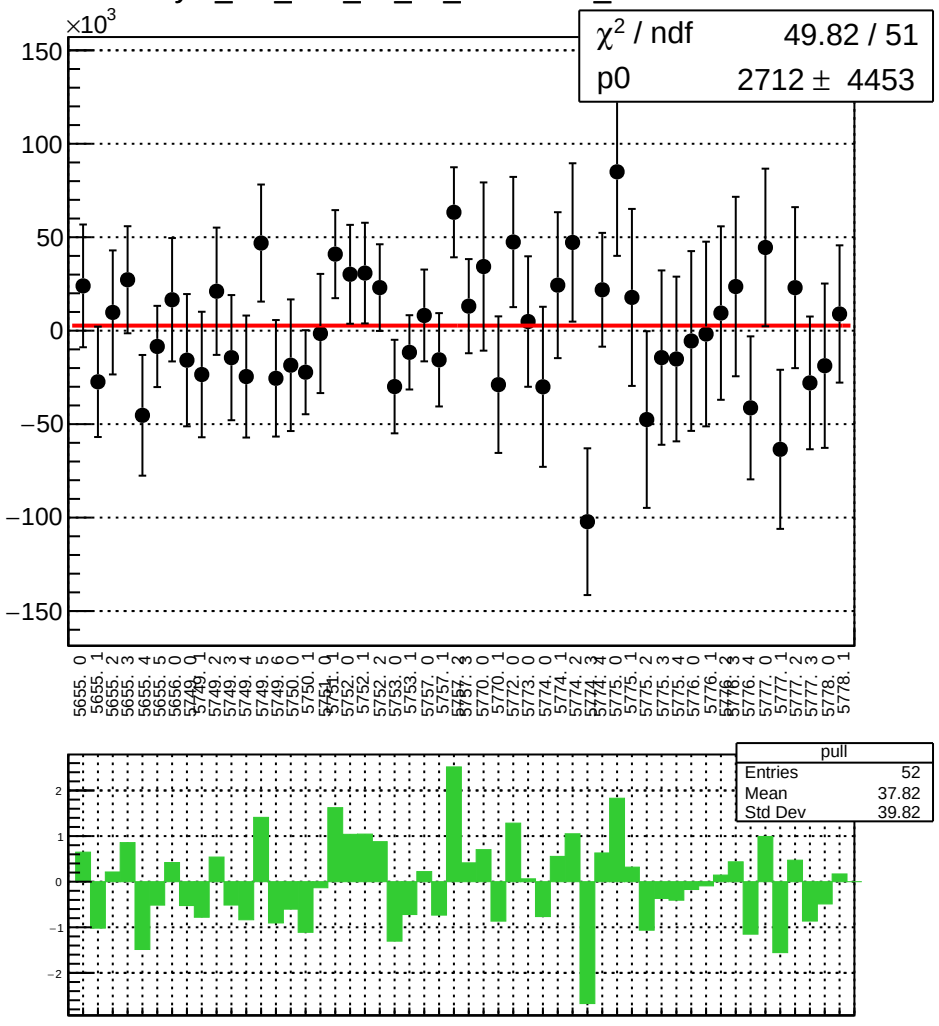
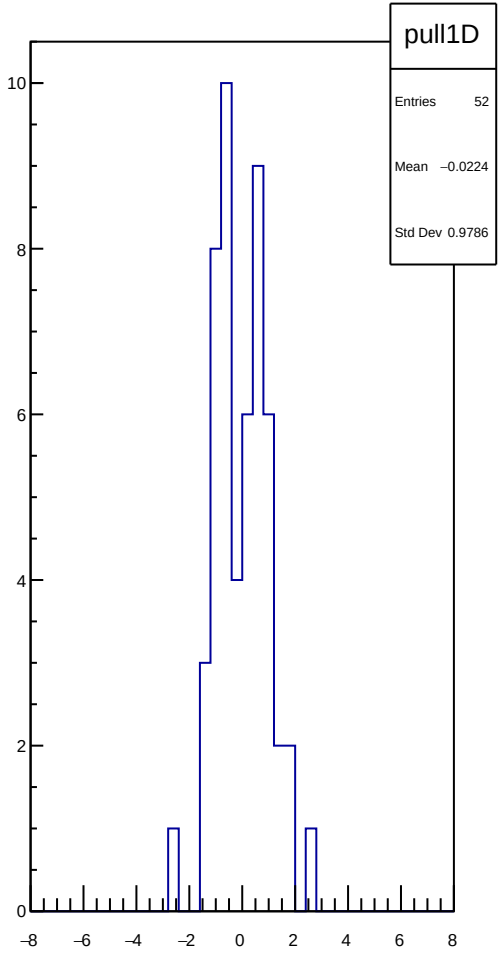
5778. 0
5778. 1

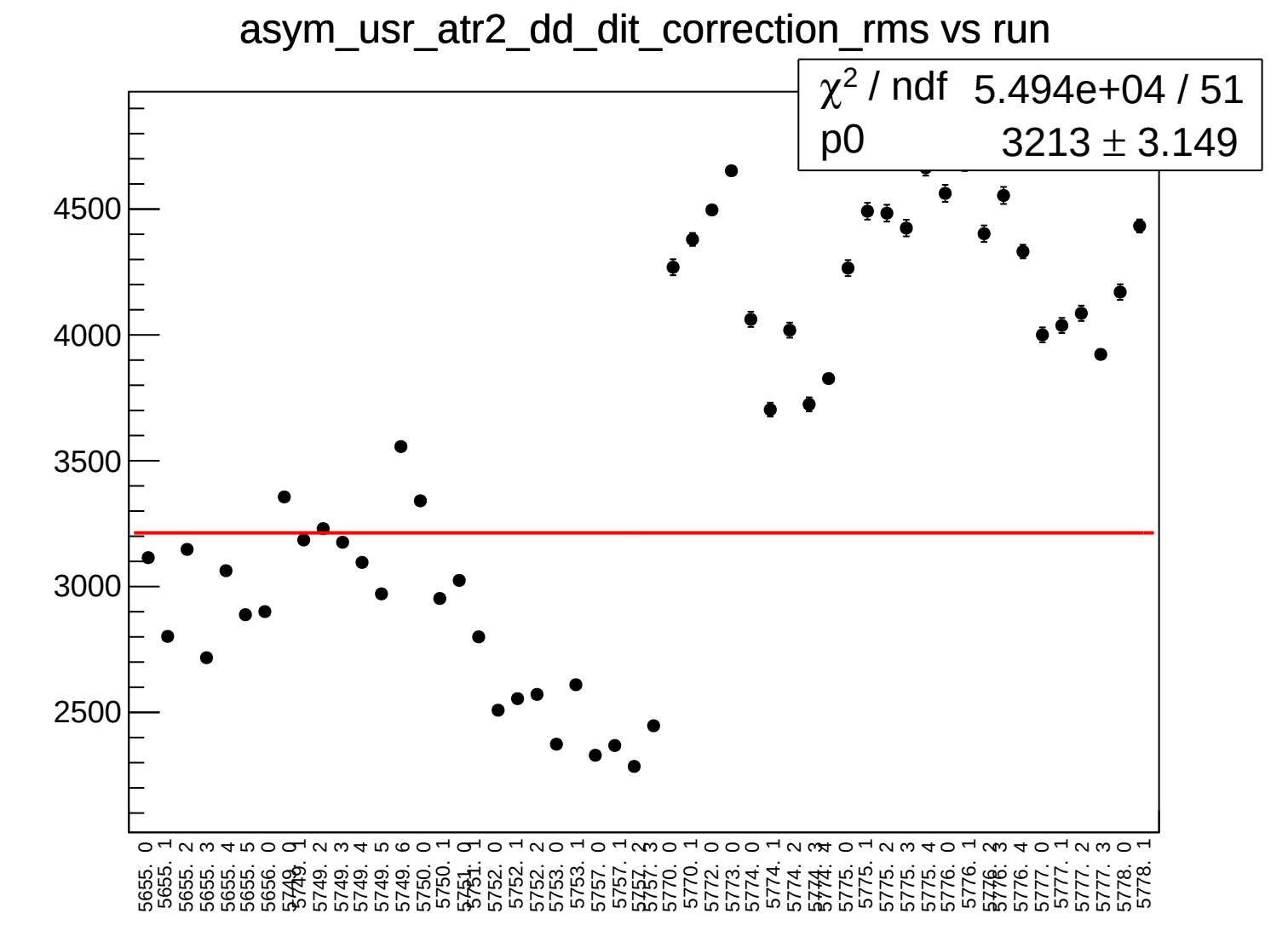

dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 57.71 / 51
p0 2177 ± 1364
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 72.58
Std Dev 0
4
3
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01498
Std Dev 1.053
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 5.456e+04 / 51
p0 984.8 ± 0.9648
1500
1400
1300
1200
1100
1000
900
800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usr_atr2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 49.82 / 51
p0 2712 ± 4453
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean 37.82
Std Dev 39.82
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.0224
Std Dev 0.9786
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr2_dd_dit_correction_rms vs run
χ^2 / ndf 5.494e+04 / 51
p0 3213 ± 3.149
4500
4000
3500
3000
2500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
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5753. 0
5753. 1
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5757. 1
5757. 2
5757. 3
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5770. 1
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5773. 0
5774. 0
5774. 1
5774. 2
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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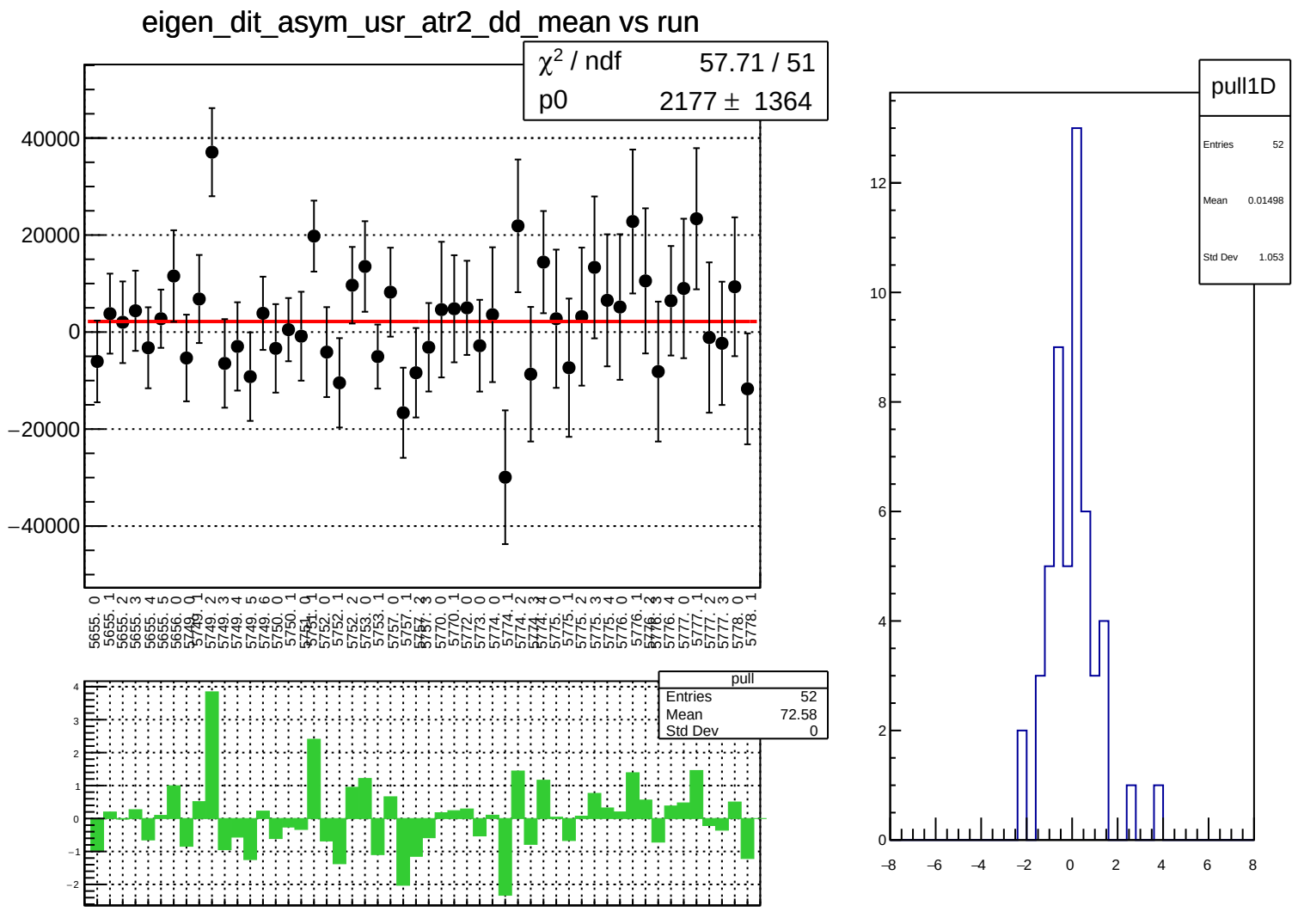
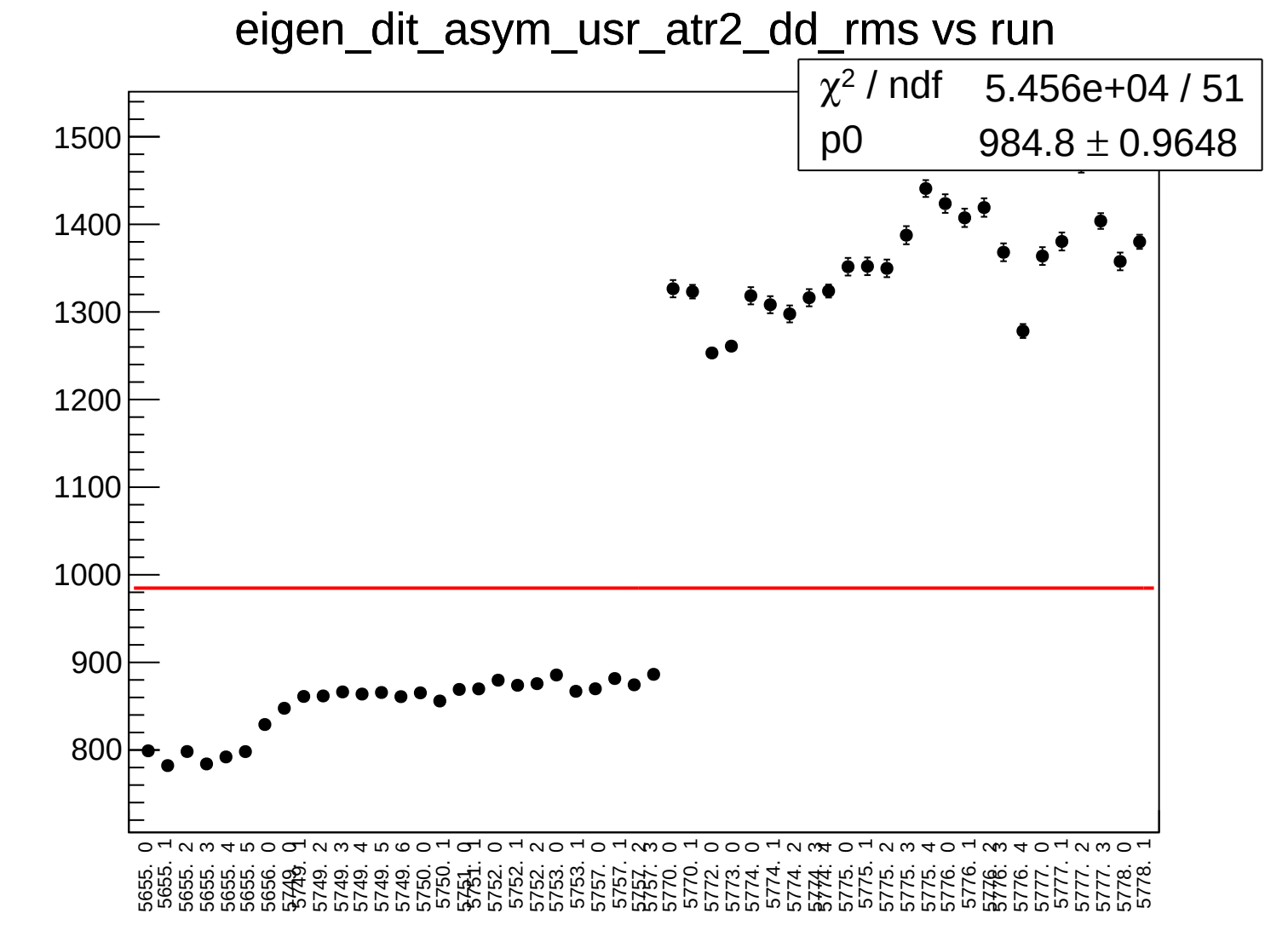
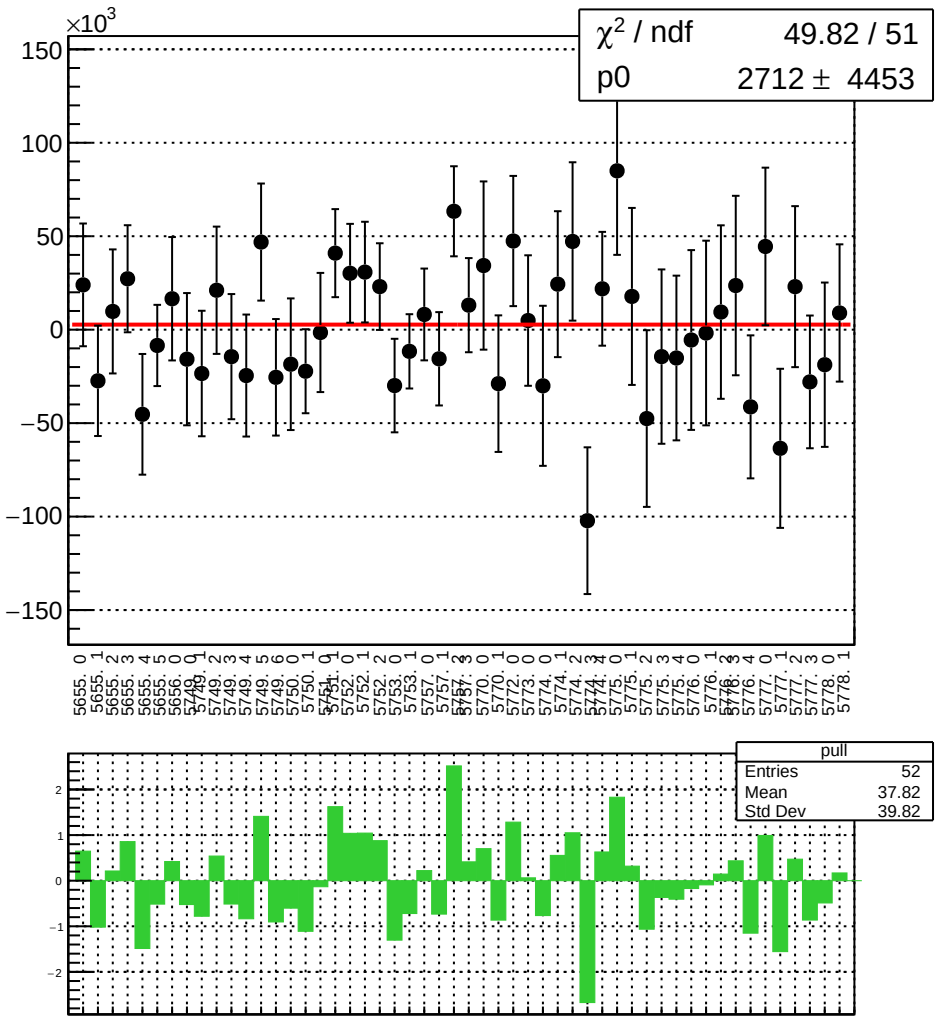
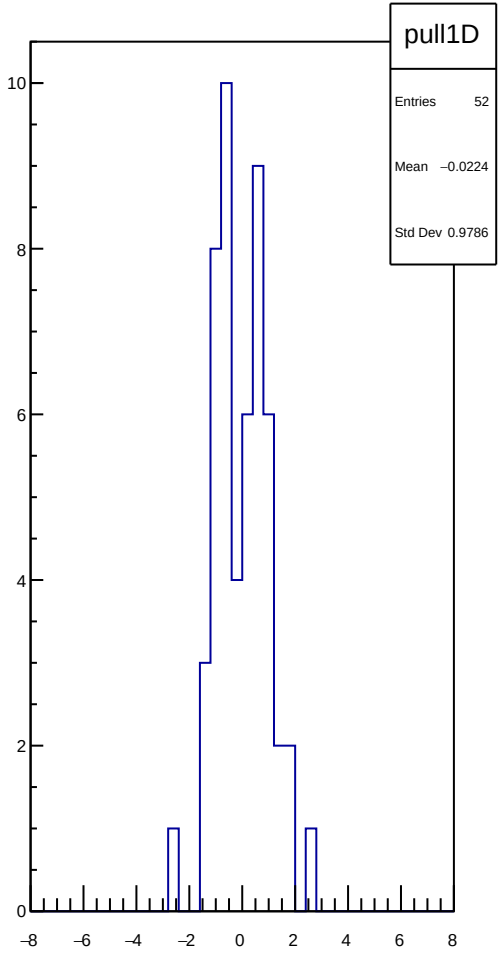
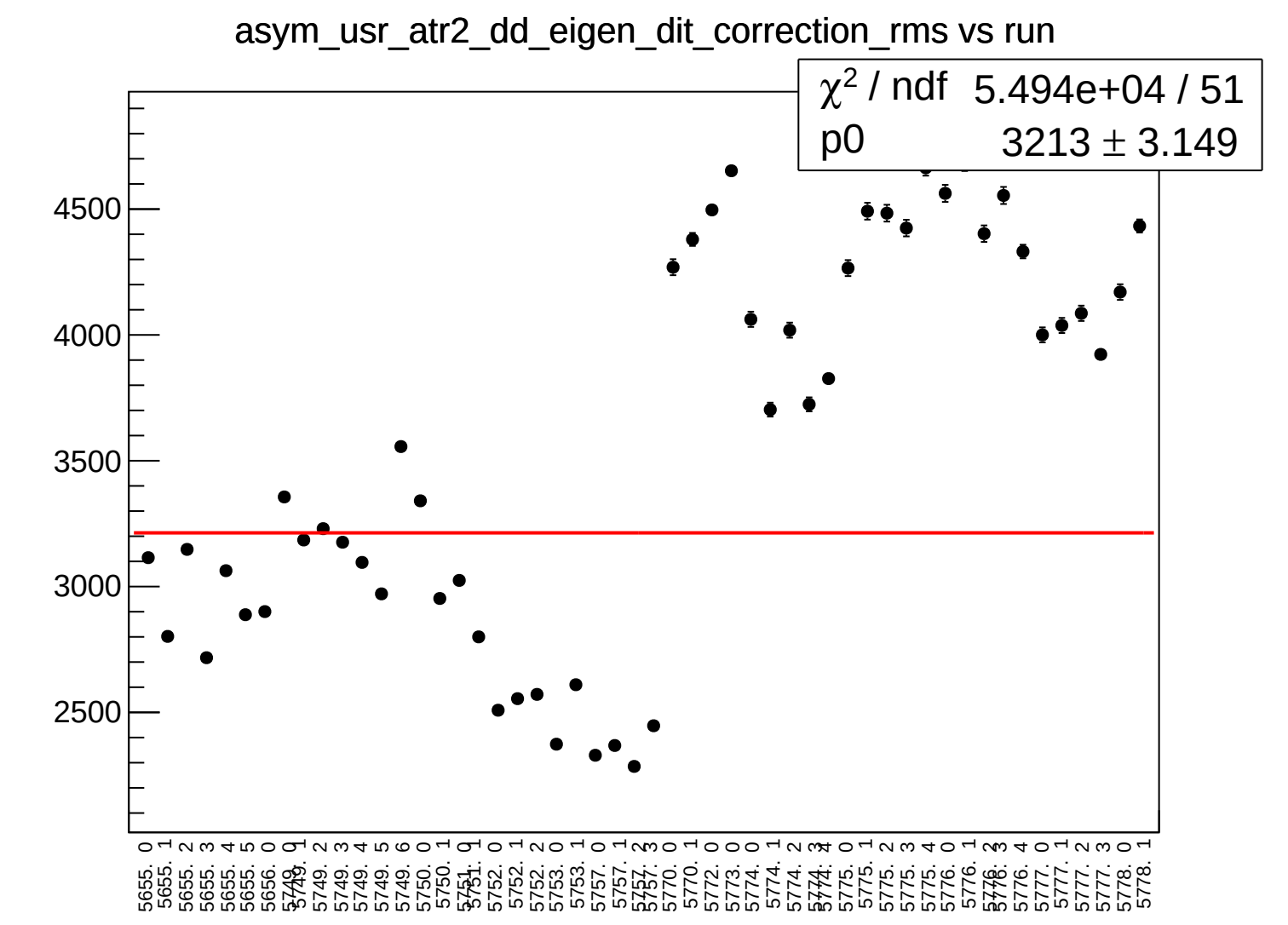
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

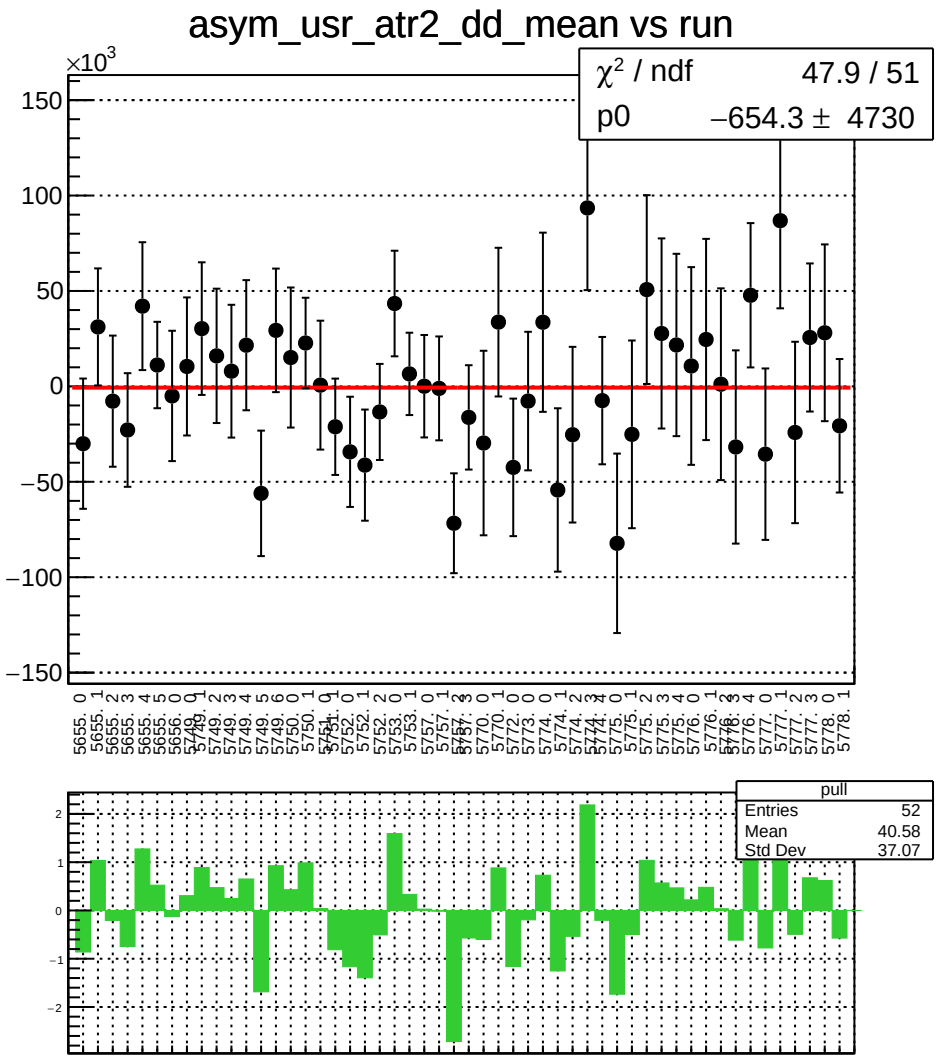

eigen_dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 57.71 / 51
p0 2177 ± 1364
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 72.58
Std Dev 0
pull1D
Entries 52
Mean 0.01498
Std Dev 1.053
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

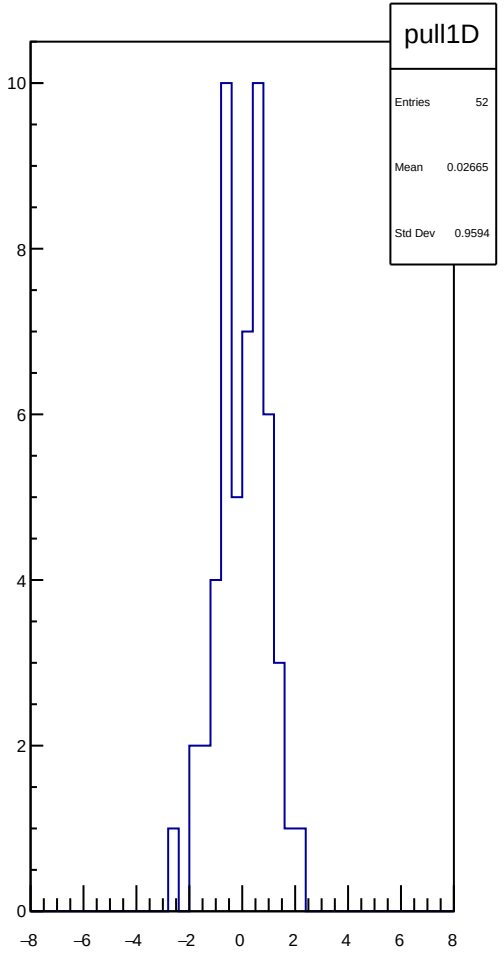

eigen_dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 5.456e+04 / 51
p0 984.8 ± 0.9648
1500
1400
1300
1200
1100
1000
900
800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

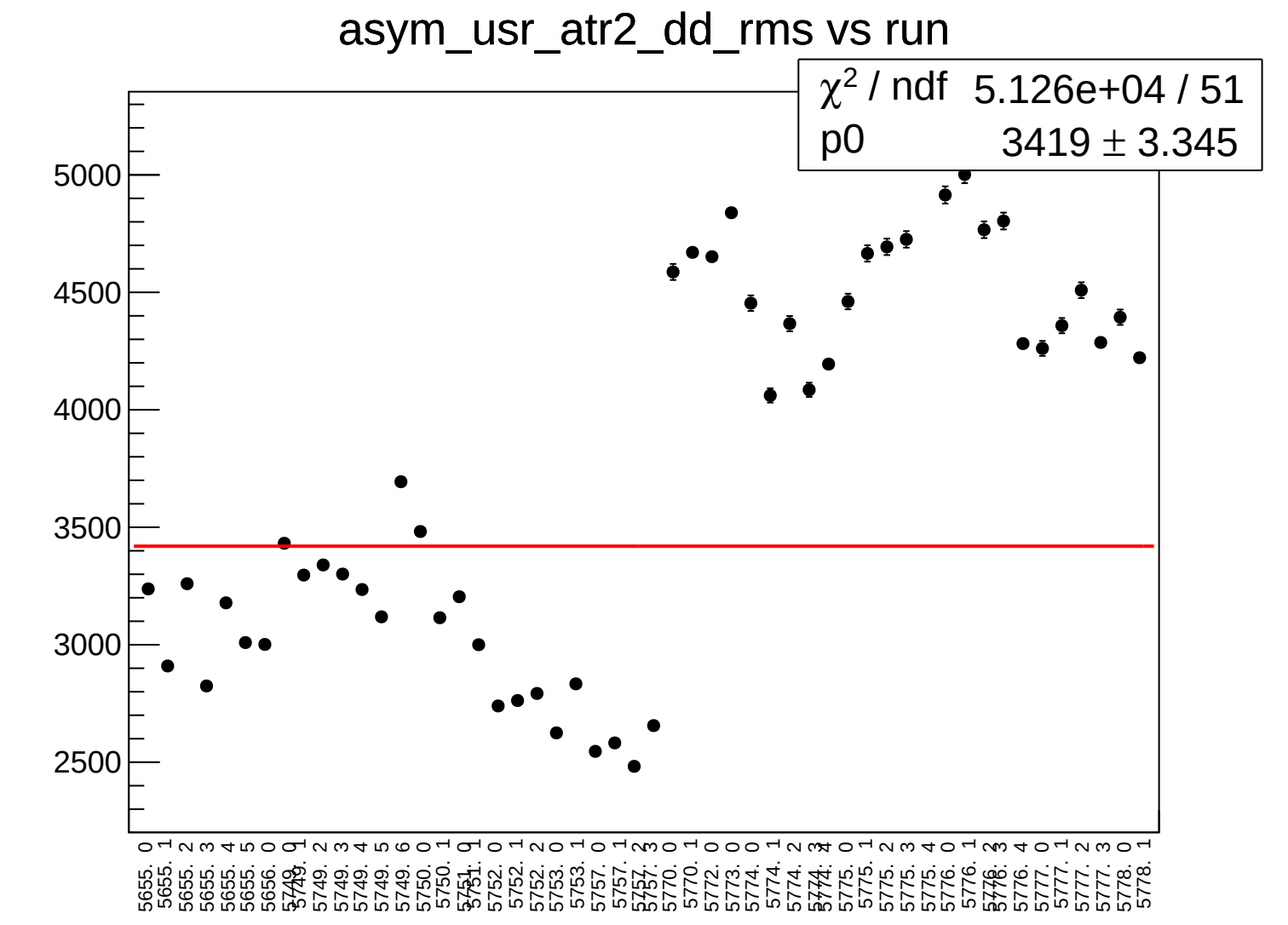

asym_usr_atr2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 49.82 / 51
p0 2712 ± 4453
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean 37.82
Std Dev 39.82
2
1
0
−1
−2

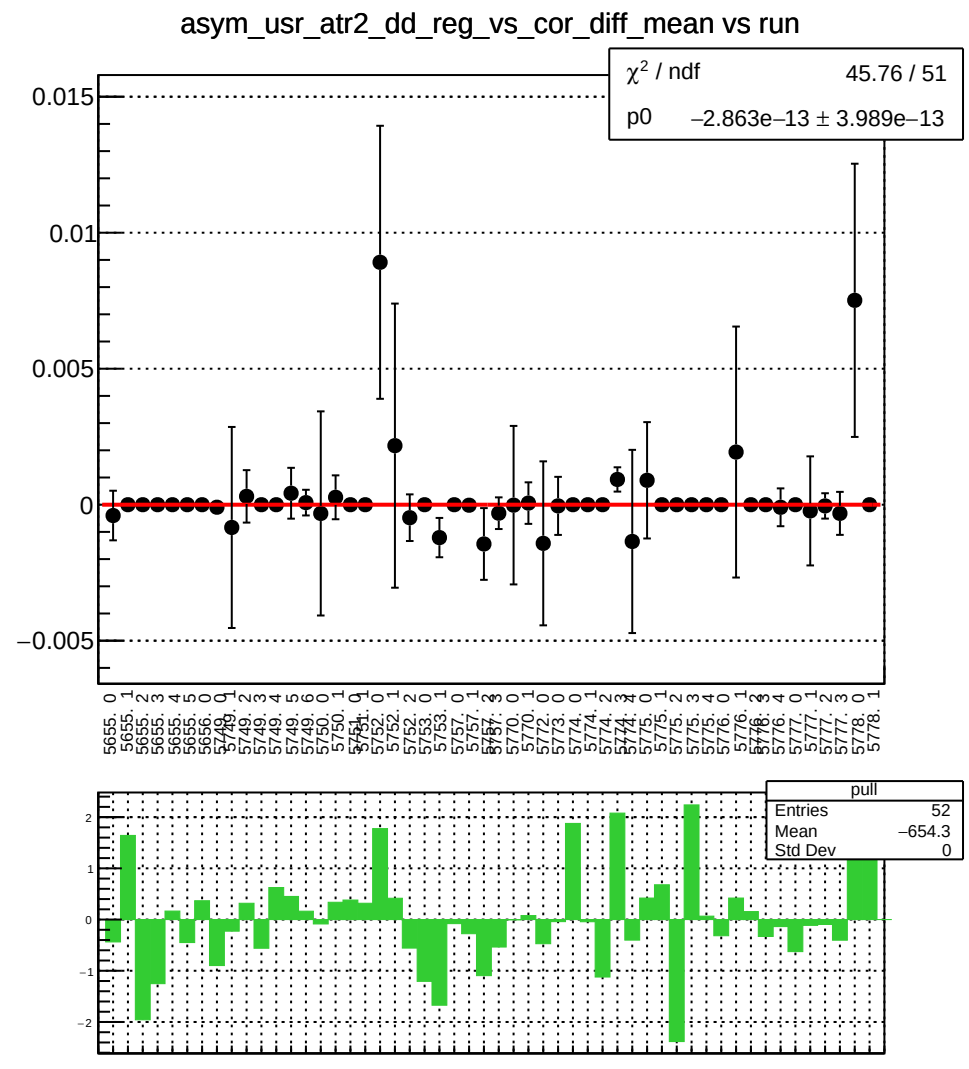

pull1D
Entries 52
Mean −0.0224
Std Dev 0.9786
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

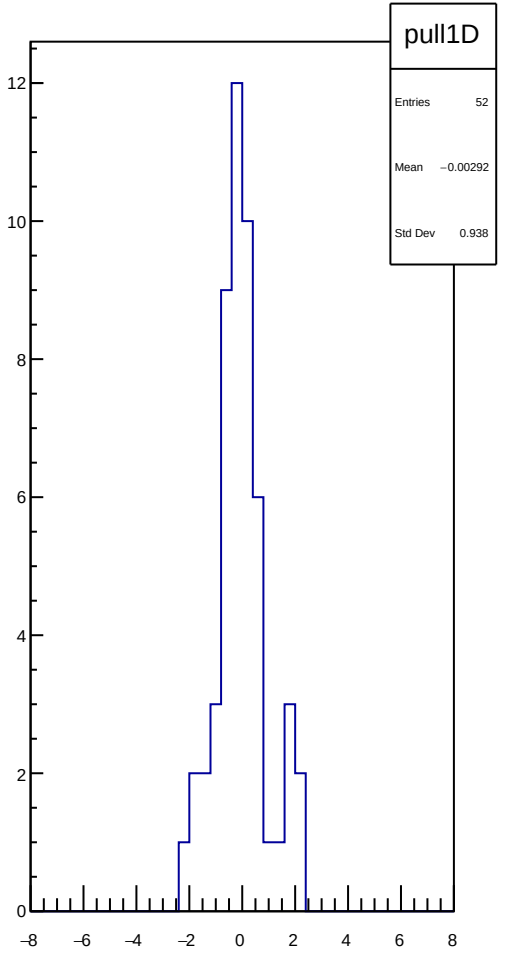

asym_usr_atr2_dd_eigen_dit_correction_rms vs run
χ² / ndf 5.494e+04 / 51
p0 3213 ± 3.149
4500
4000
3500
3000
2500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

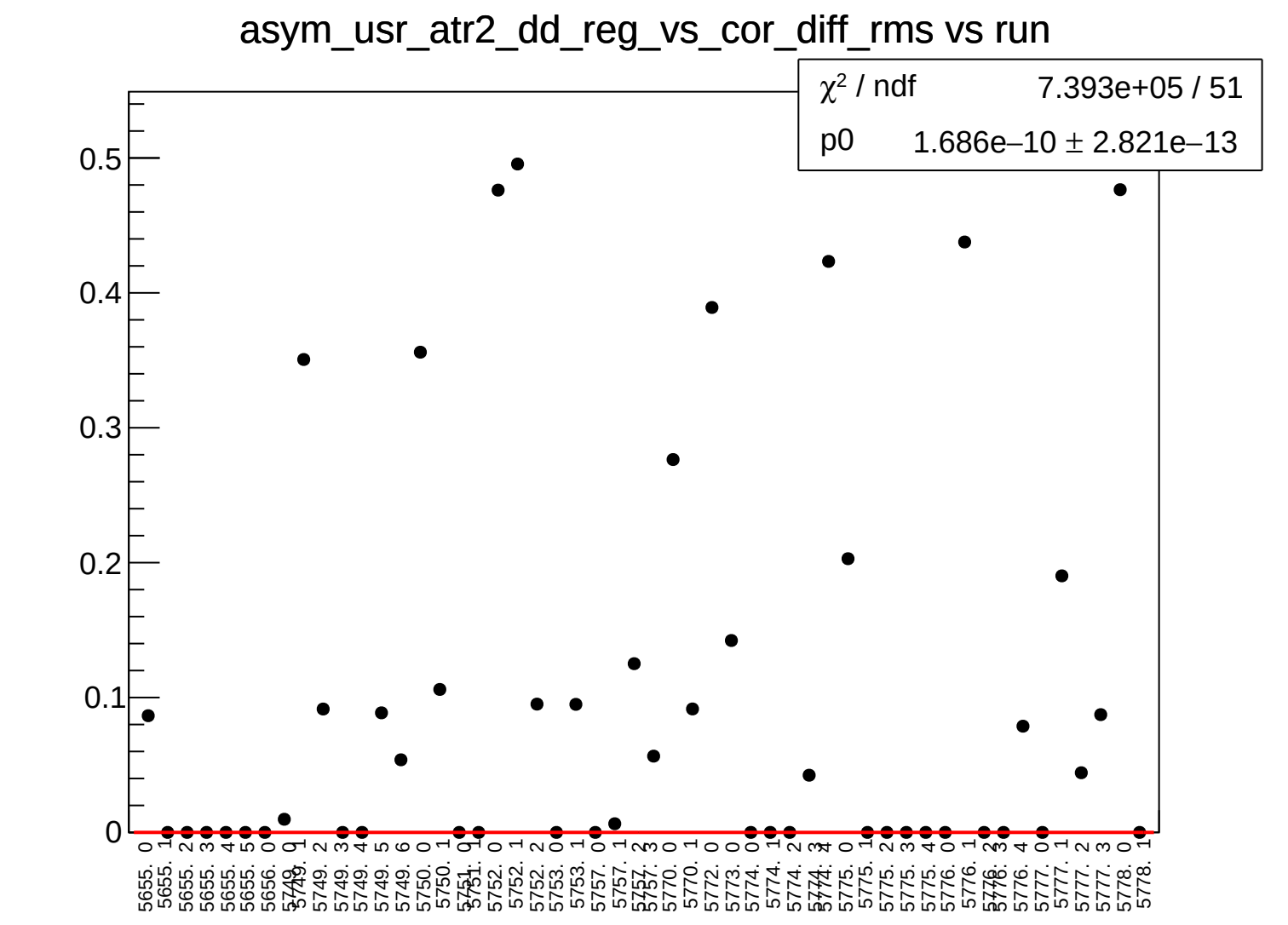

asym_usr_atr2_dd_mean vs run
×10^3
χ² / ndf 47.9 / 51
p0 −654.3 ± 4730
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean 40.58
Std Dev 37.07
2
1
0
−1
−2

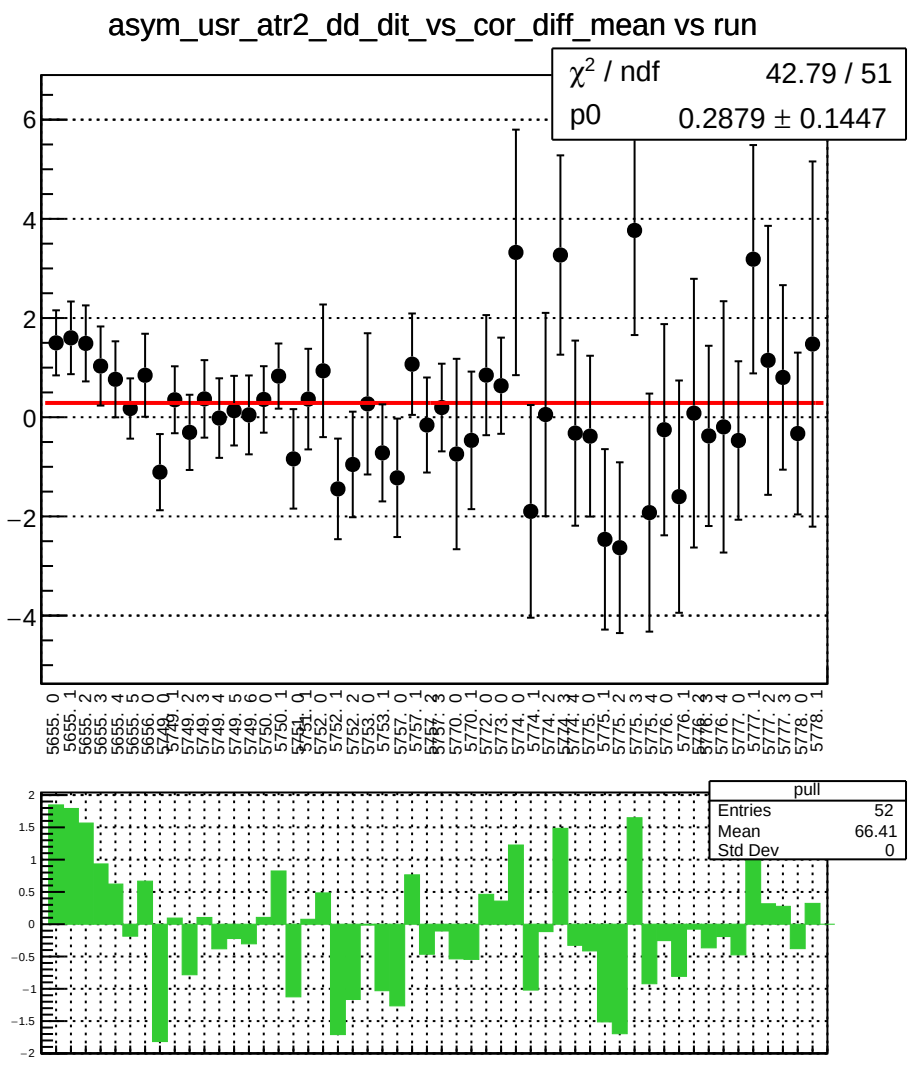

pull1D
Entries 52
Mean 0.02665
Std Dev 0.9594
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

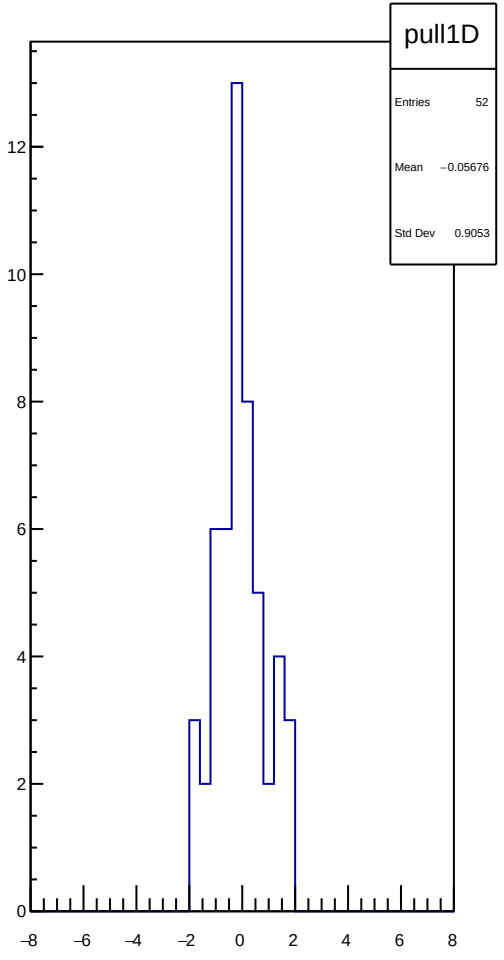

asym_usr_atr2_dd_rms vs run
χ² / ndf 5.126e+04 / 51
p0 3419 ± 3.345
5000
4500
4000
3500
3000
2500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

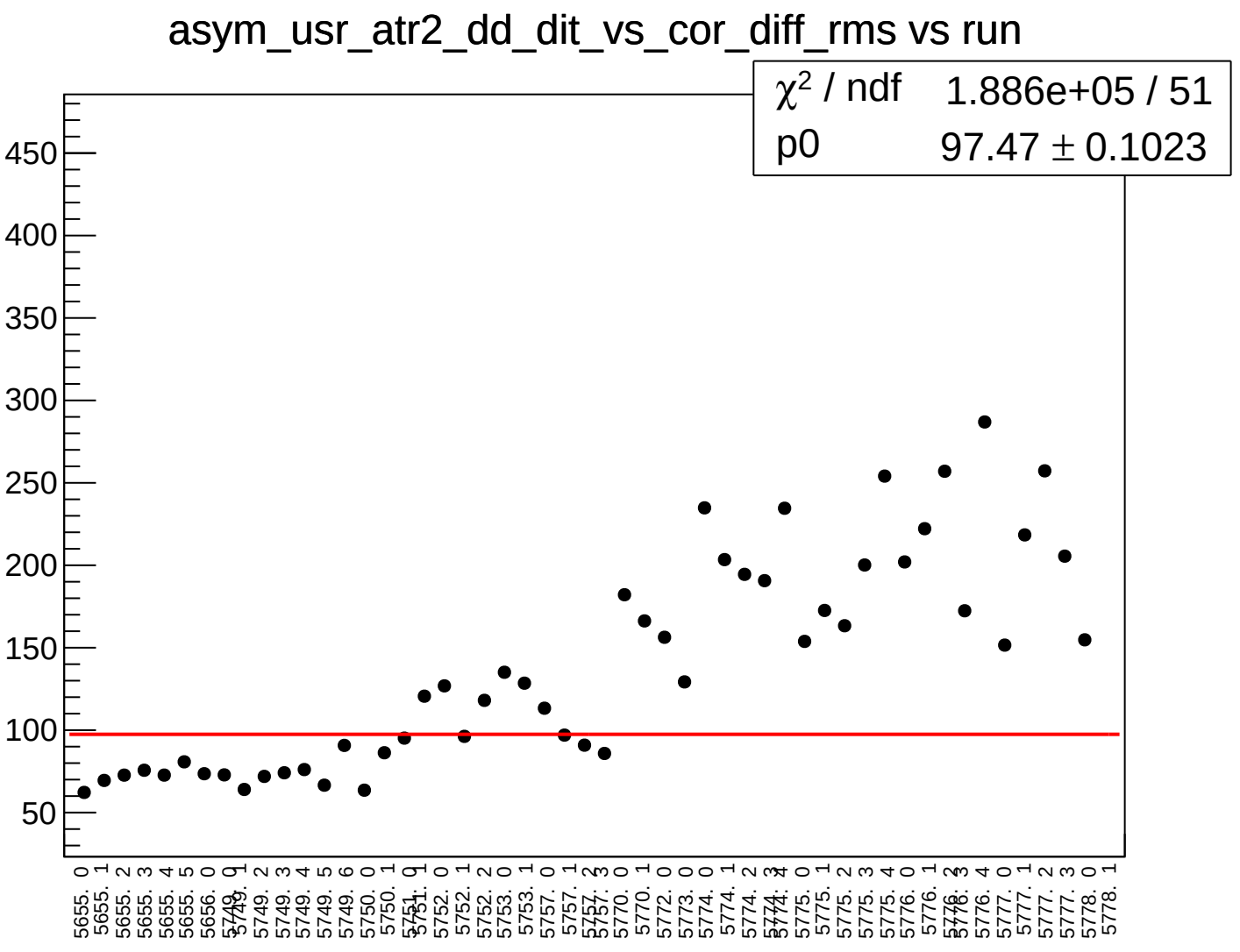

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 45.76 / 51
p0 −2.863e−13 ± 3.989e−13
0.015
0.01
0.005
0
−0.005
pull
Entries 52
Mean −654.3
Std Dev 0

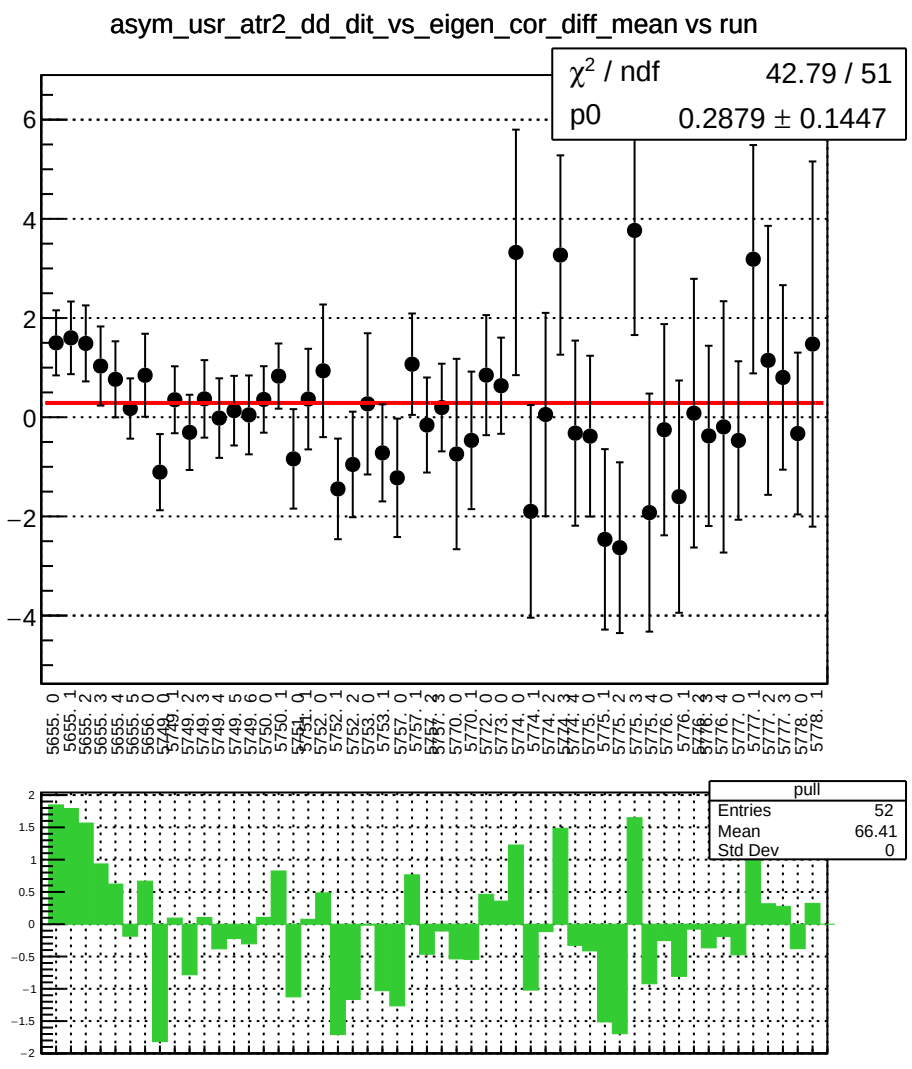

pull1D
Entries 52
Mean −0.00292
Std Dev 0.938

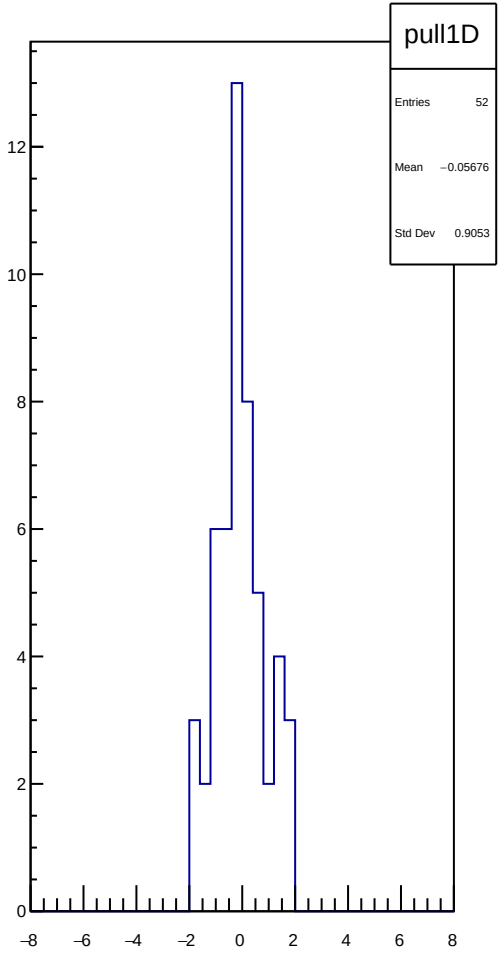

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.393e+05 / 51
p0 1.686e−10 ± 2.821e−13
0.5
0.4
0.3
0.2
0.1
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

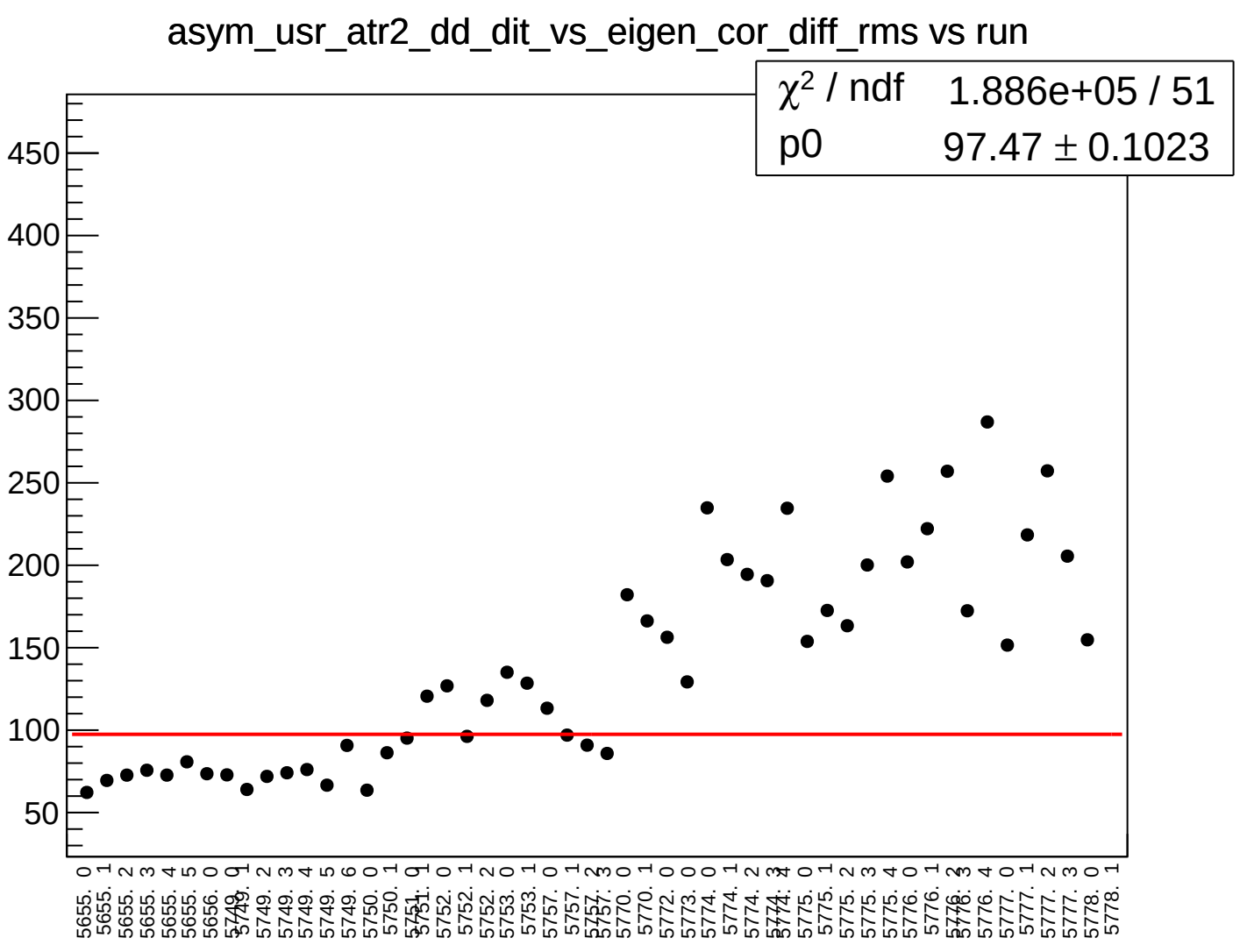

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 42.79 / 51
p0 0.2879 ± 0.1447
pull
Entries 52
Mean 66.41
Std Dev 0


pull1D
Entries 52
Mean −0.05676
Std Dev 0.9053


asym_usr_atr2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.886e+05 / 51
p0 97.47 ± 0.1023
450
400
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.79 / 51
p0 0.2879 ± 0.1447
pull
Entries 52
Mean 66.41
Std Dev 0


pull1D
Entries 52
Mean −0.05676
Std Dev 0.9053


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.886e+05 / 51
p0 97.47 ± 0.1023
450
400
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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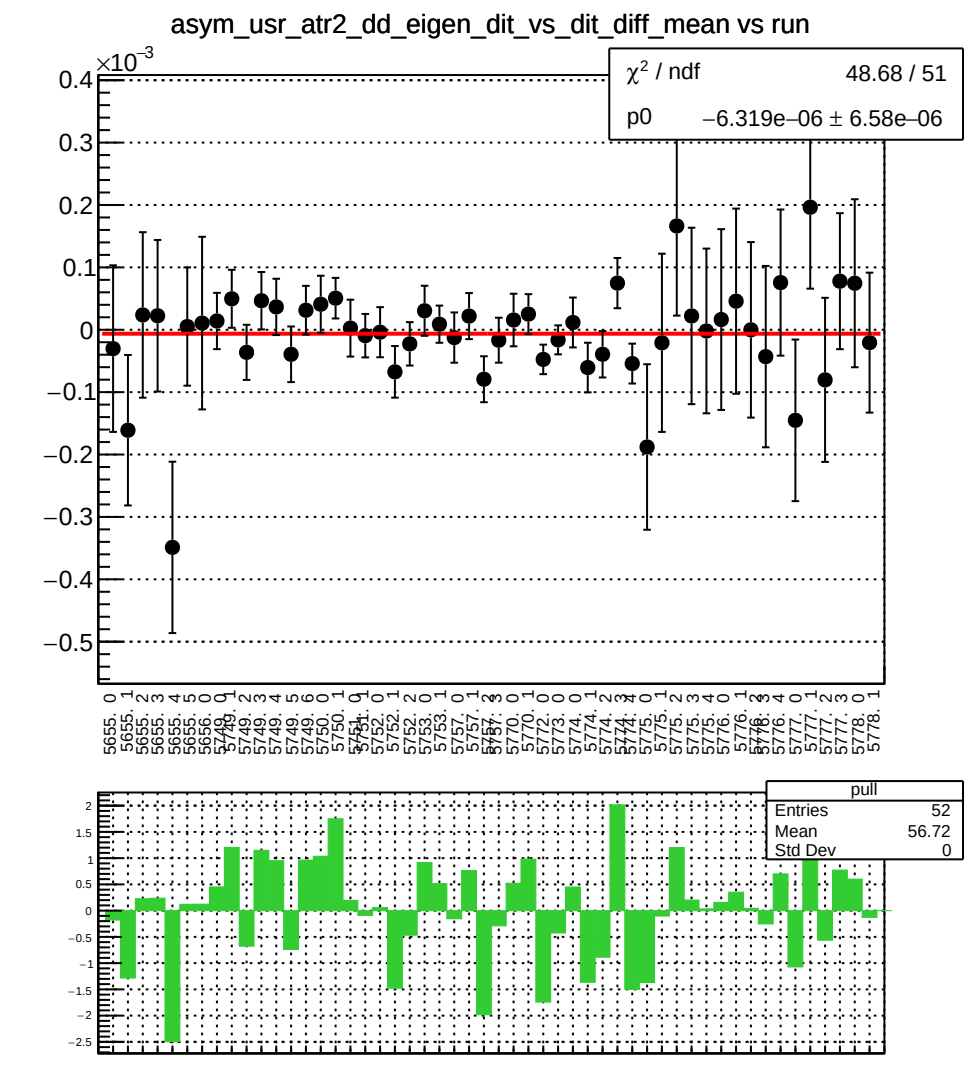
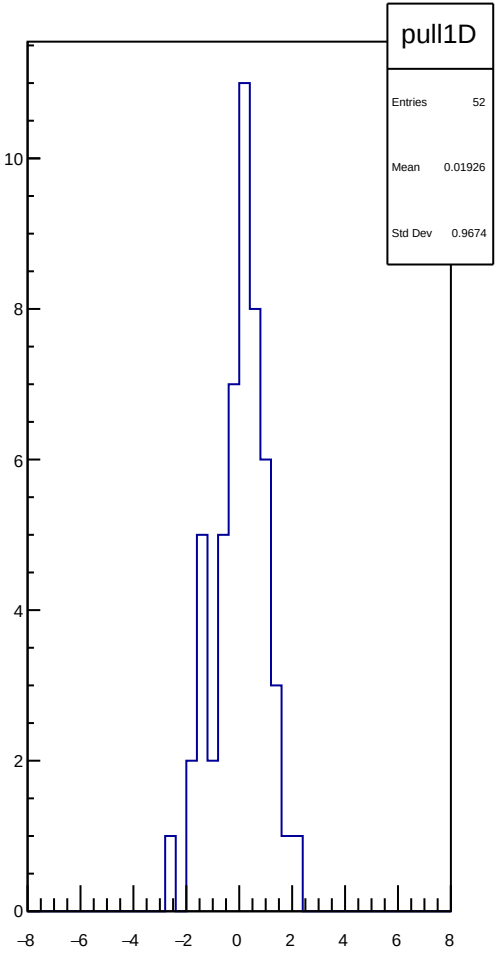
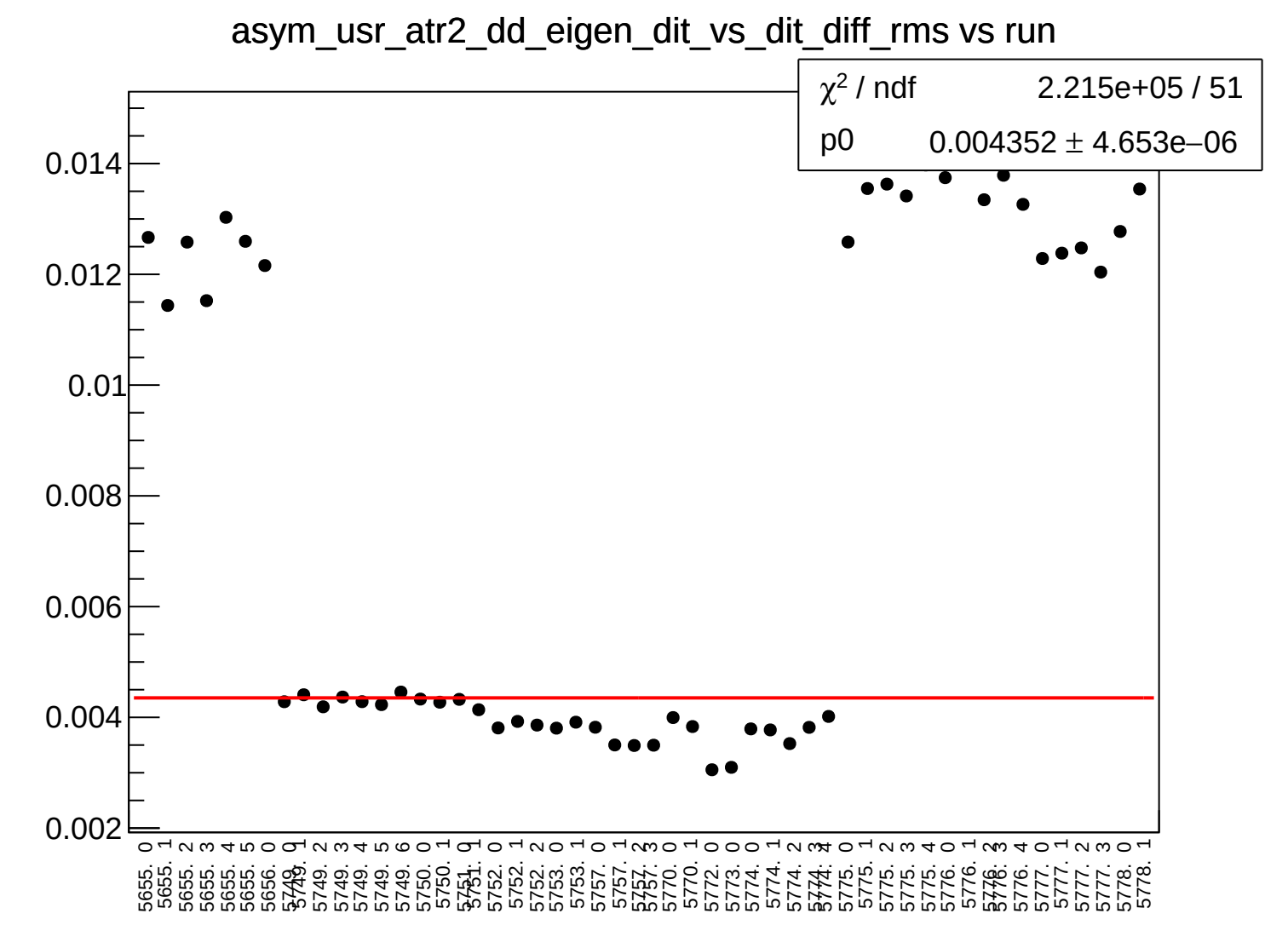
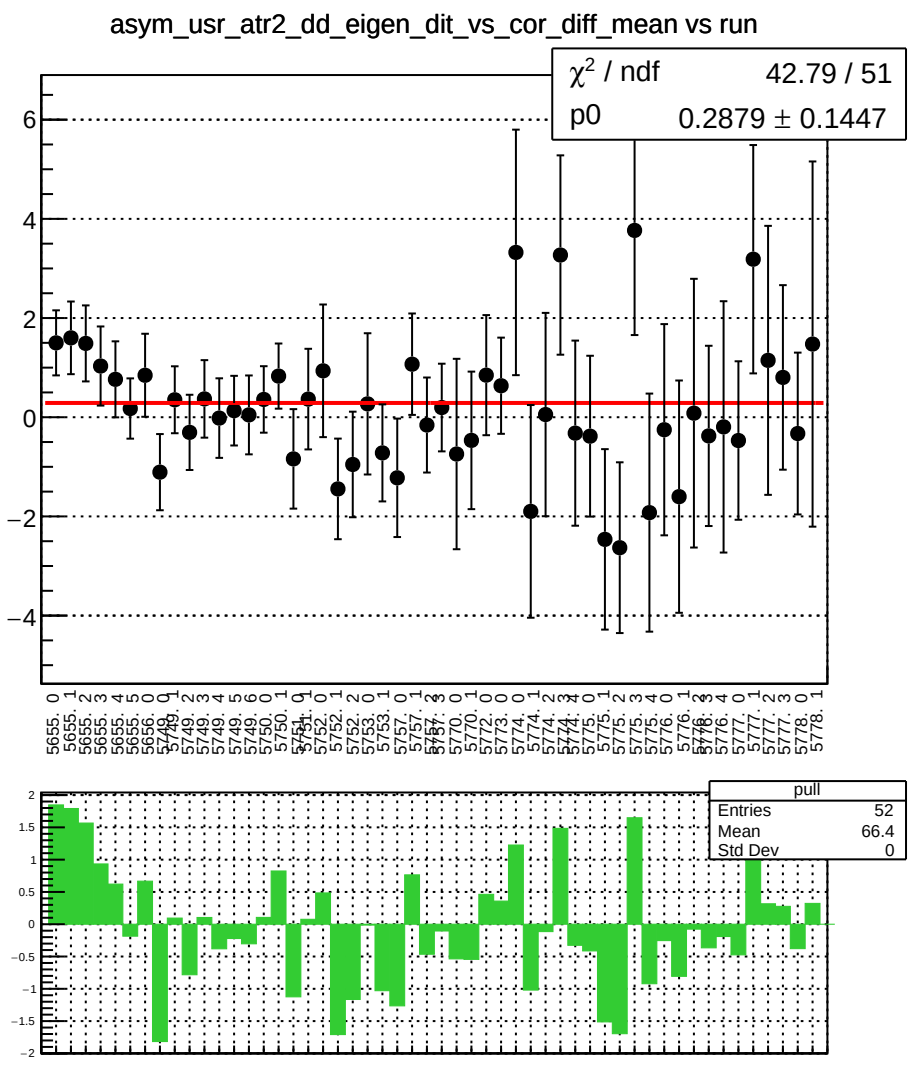
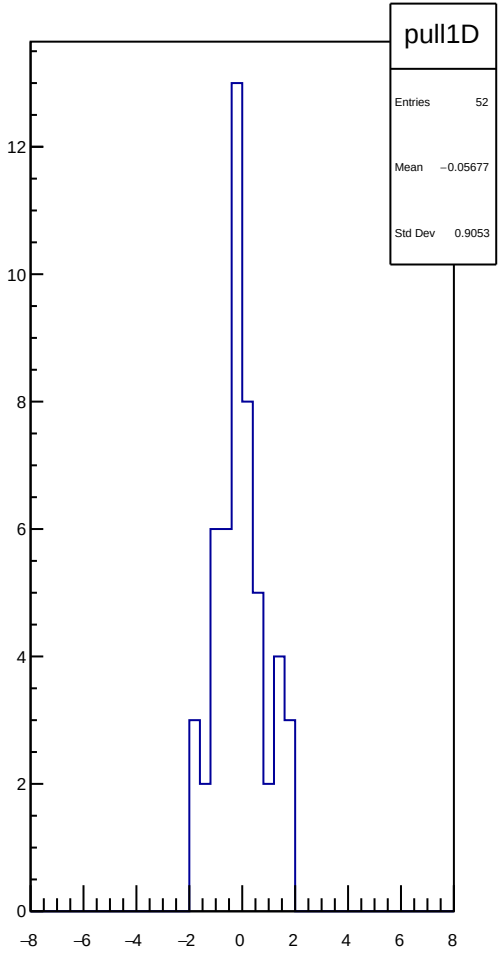
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

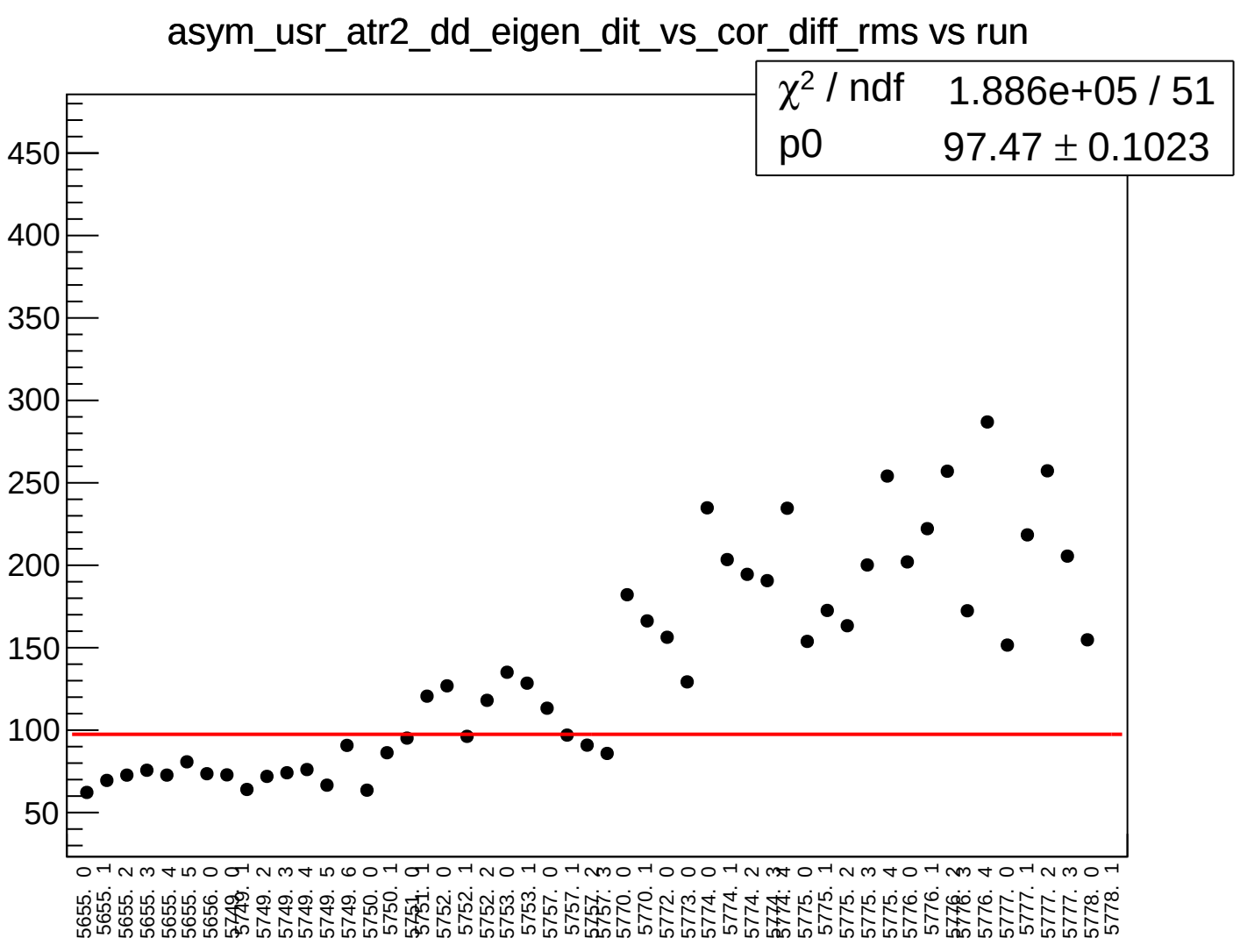

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 48.68 / 51
p0 −6.319e−06 ± 6.58e−06
pull
Entries 52
Mean 56.72
Std Dev 0


pull1D
Entries 52
Mean 0.01926
Std Dev 0.9674


asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.215e+05 / 51
p0 0.004352 ± 4.653e−06
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 42.79 / 51
p0 0.2879 ± 0.1447
pull
Entries 52
Mean 66.4
Std Dev 0


pull1D
Entries 52
Mean −0.05677
Std Dev 0.9053


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.886e+05 / 51
p0 97.47 ± 0.1023
450
400
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
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5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
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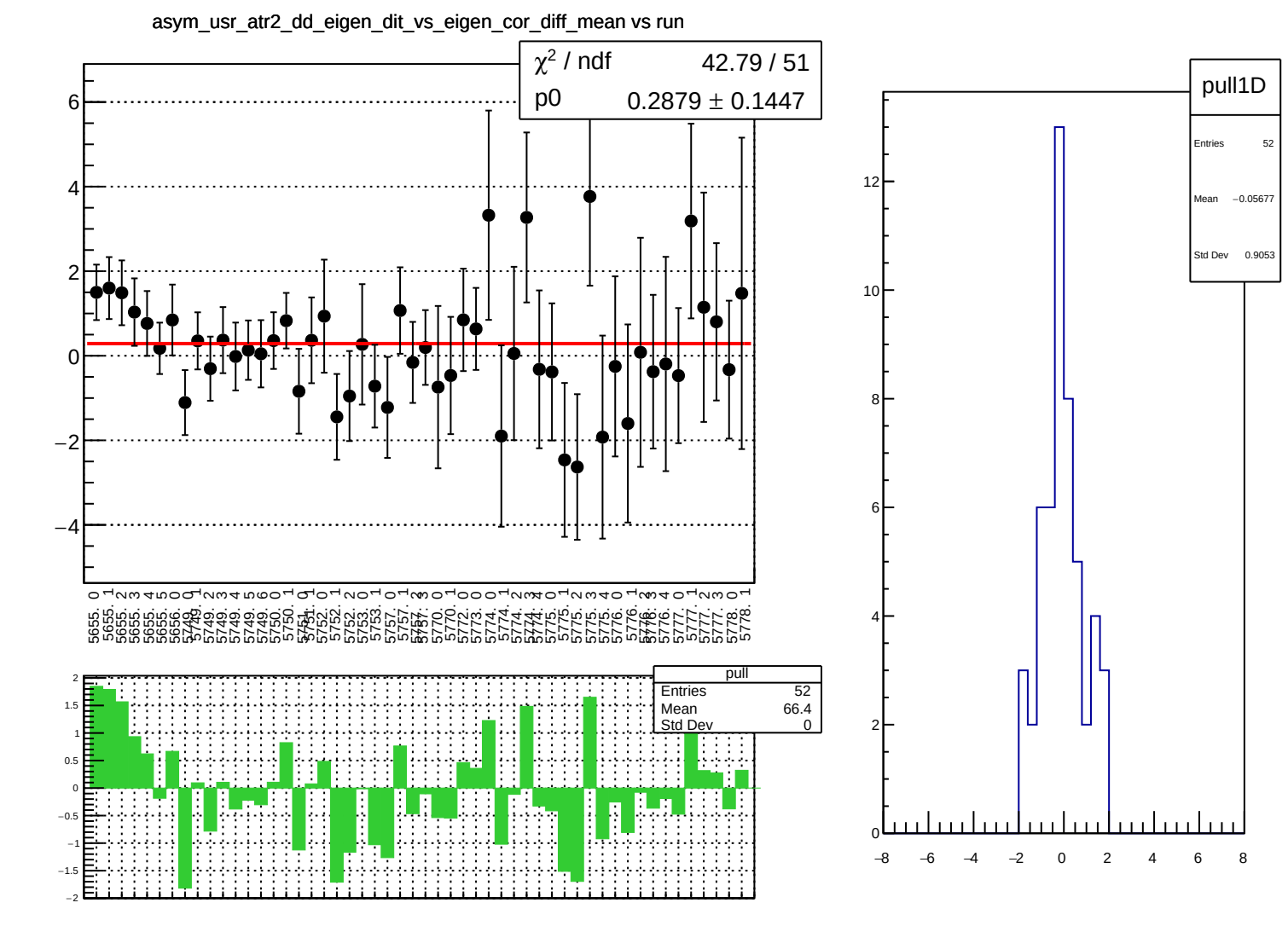
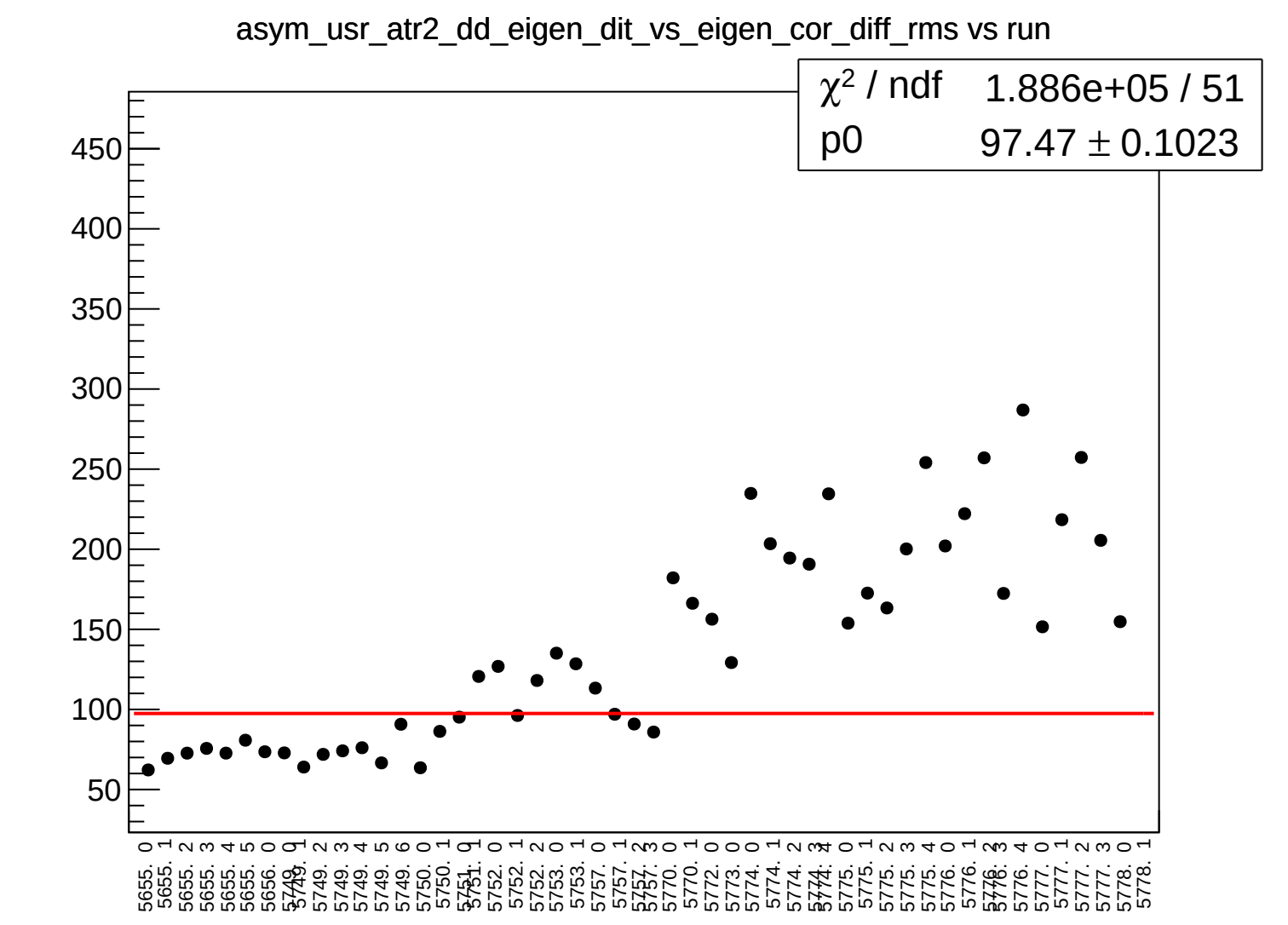
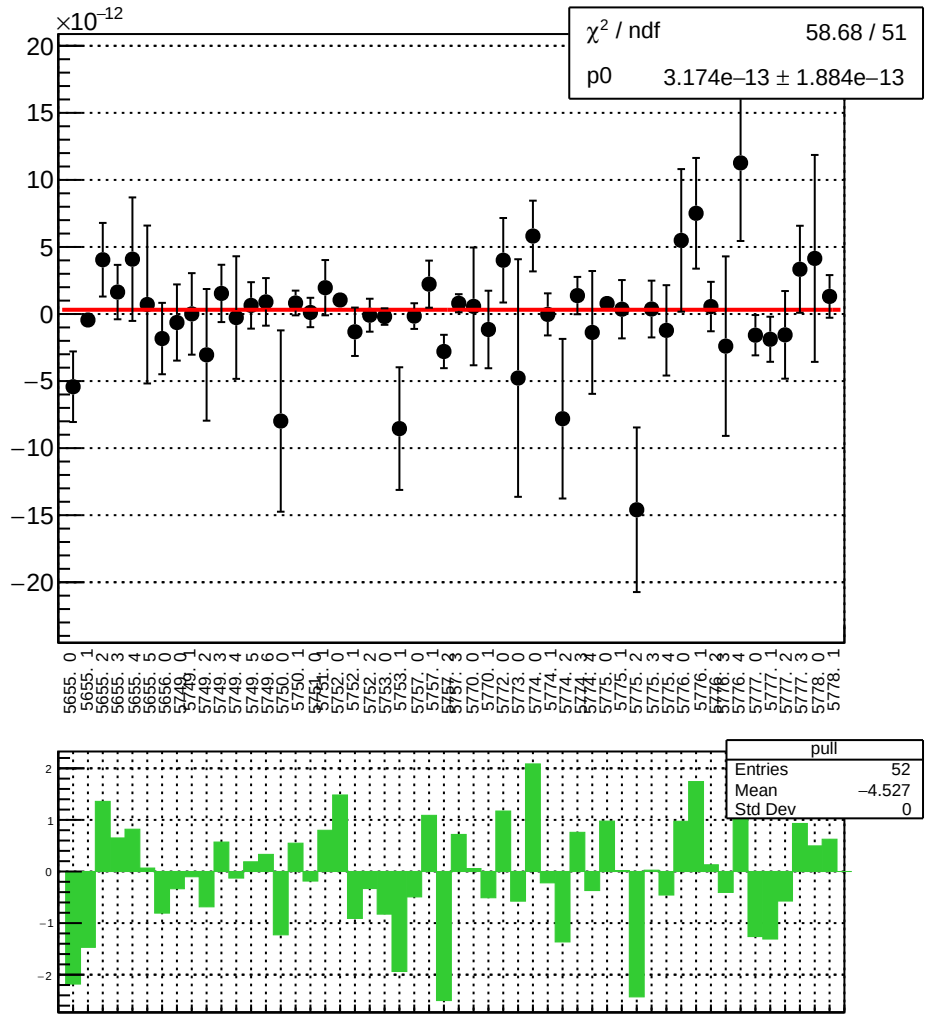
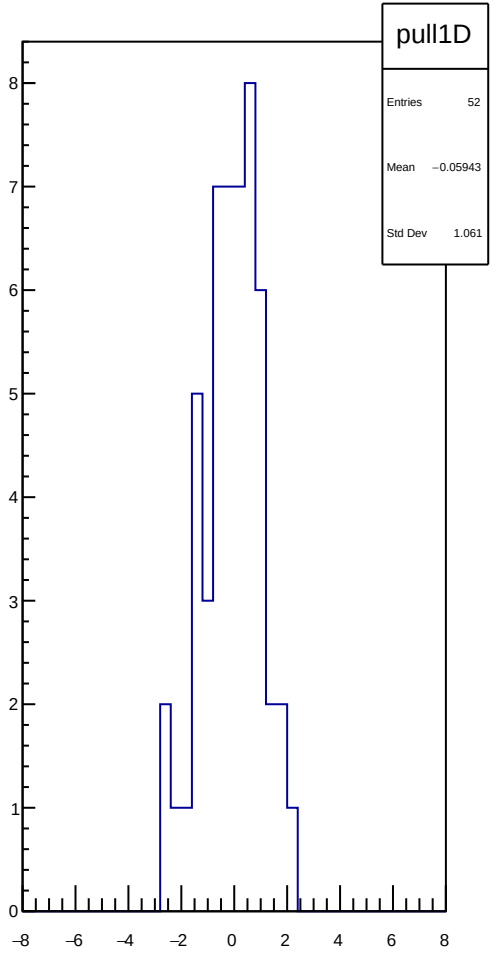
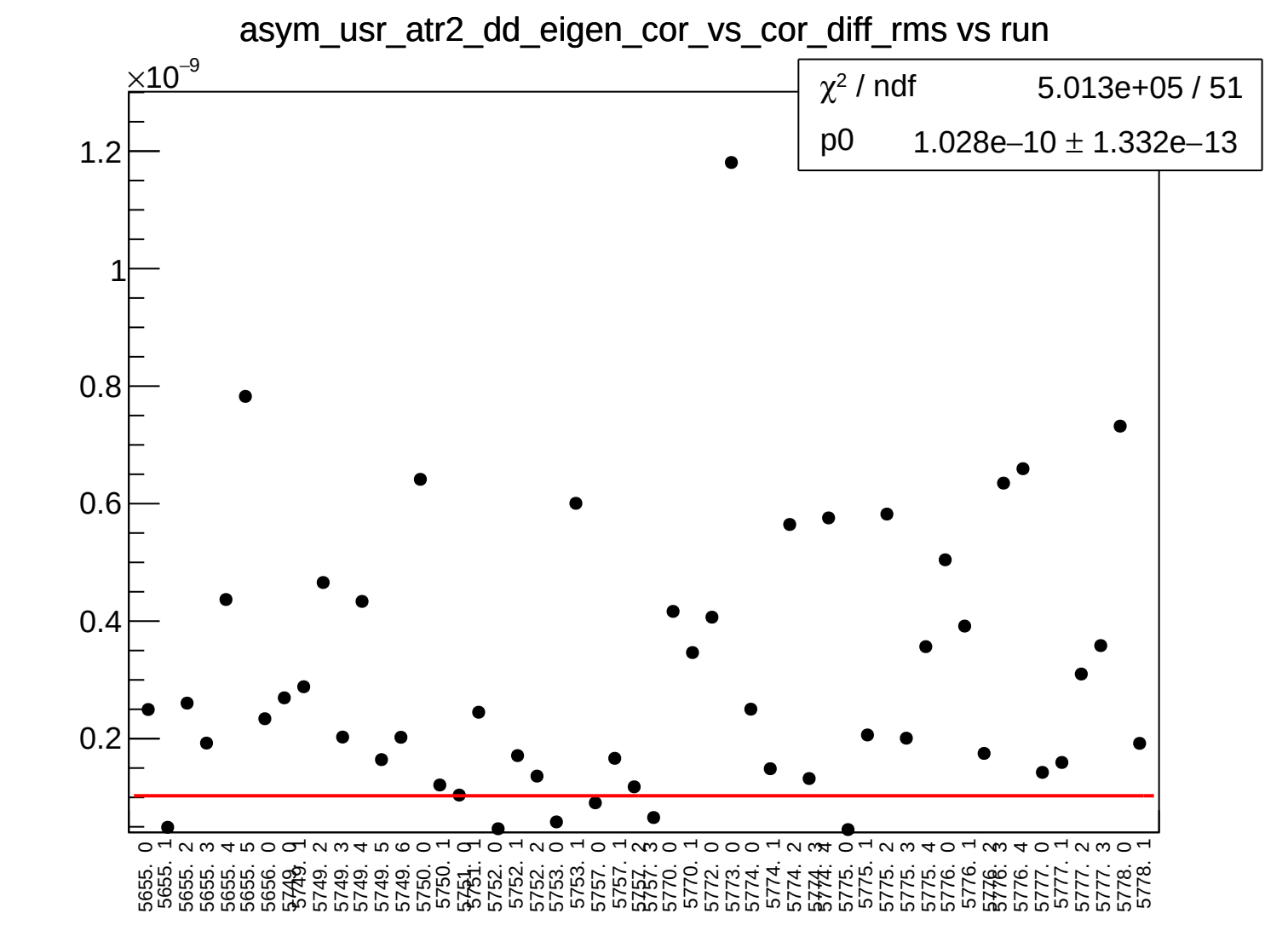
5775. 3
5775. 4
5776. 0
5776. 1
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

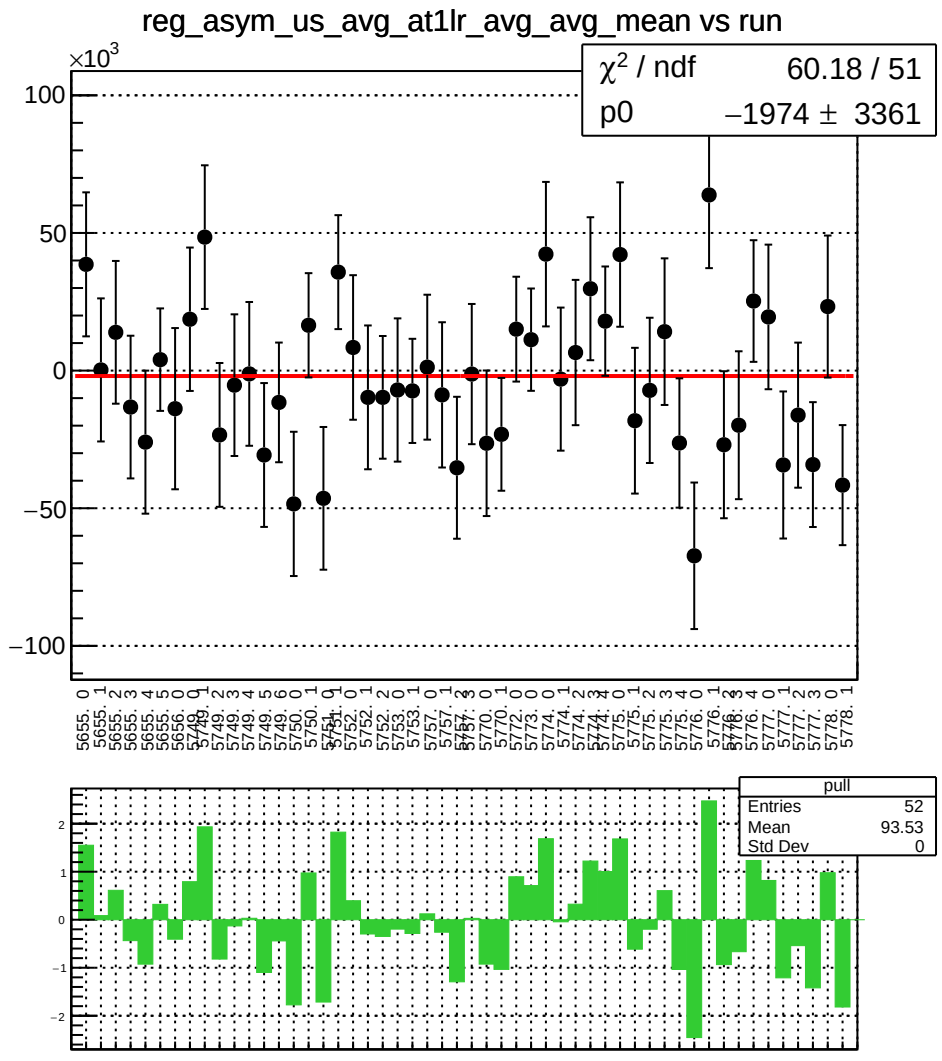

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.79 / 51
p0 0.2879 ± 0.1447
pull
Entries 52
Mean 66.4
Std Dev 0
pull1D
Entries 52
Mean −0.05677
Std Dev 0.9053

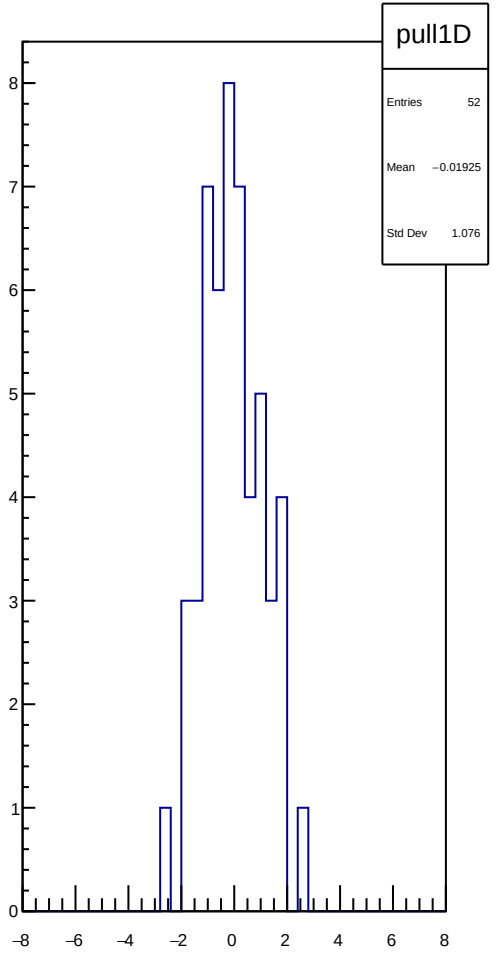

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.886e+05 / 51
p0 97.47 ± 0.1023
450
400
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

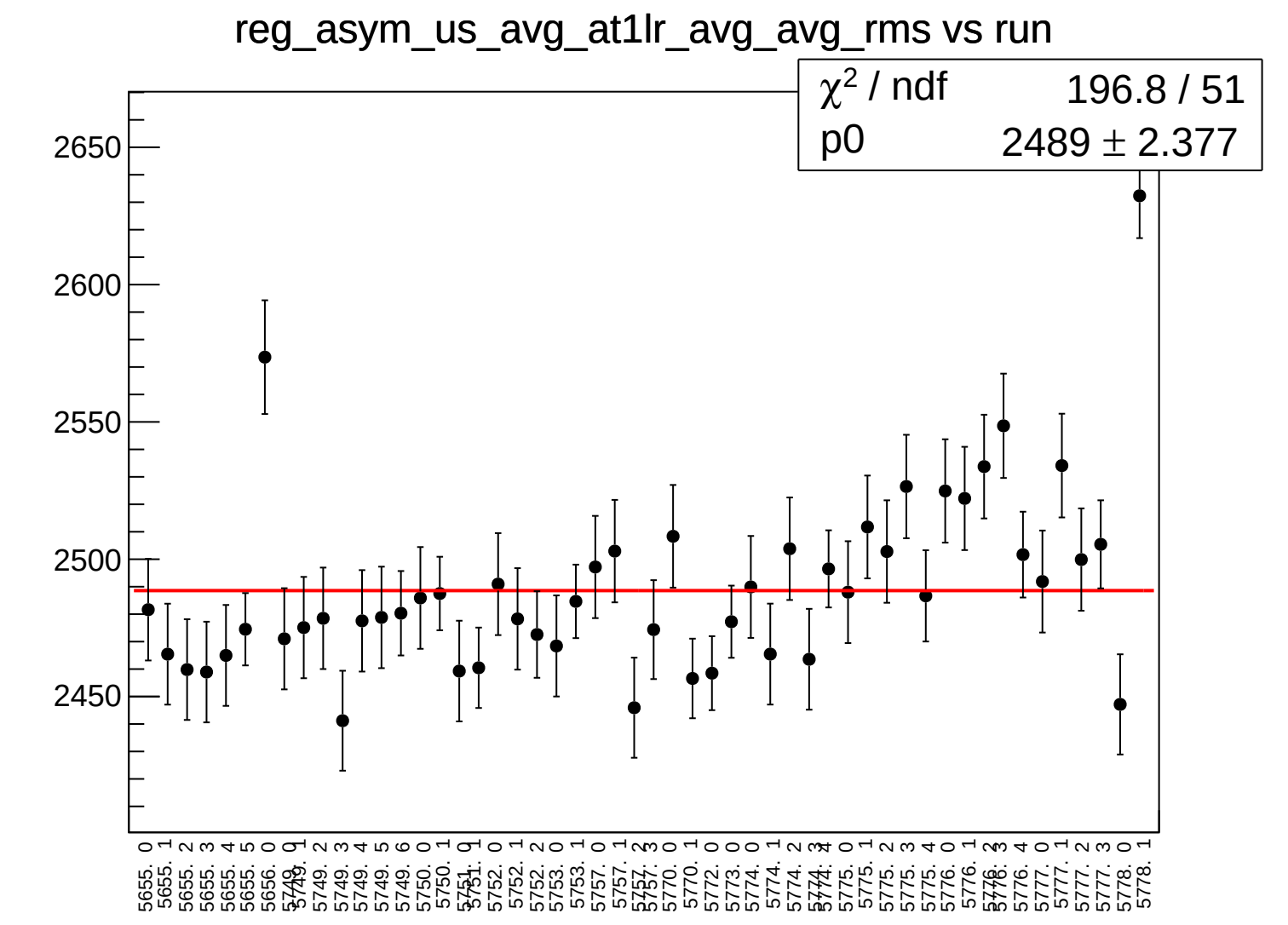

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.68 / 51
p0 3.174e−13 ± 1.884e−13
pull
Entries 52
Mean −4.527
Std Dev 0

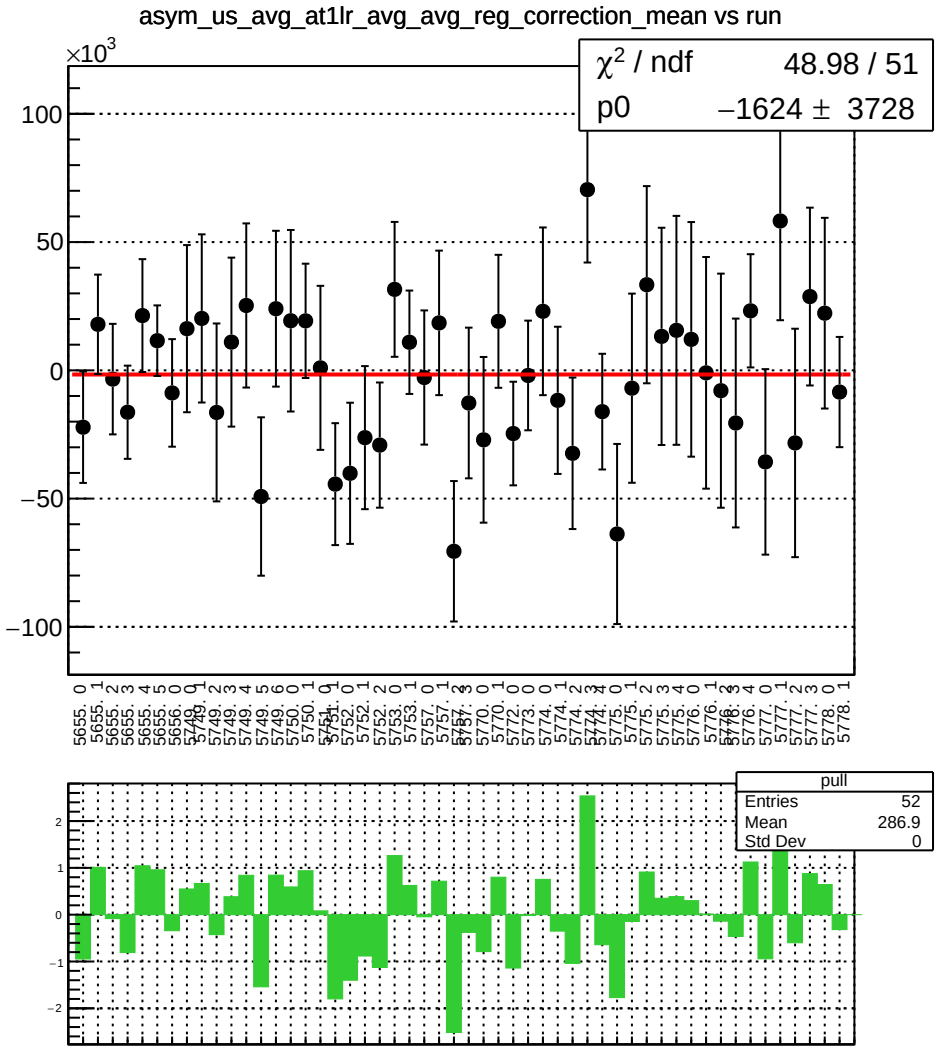

pull1D
Entries 52
Mean −0.05943
Std Dev 1.061

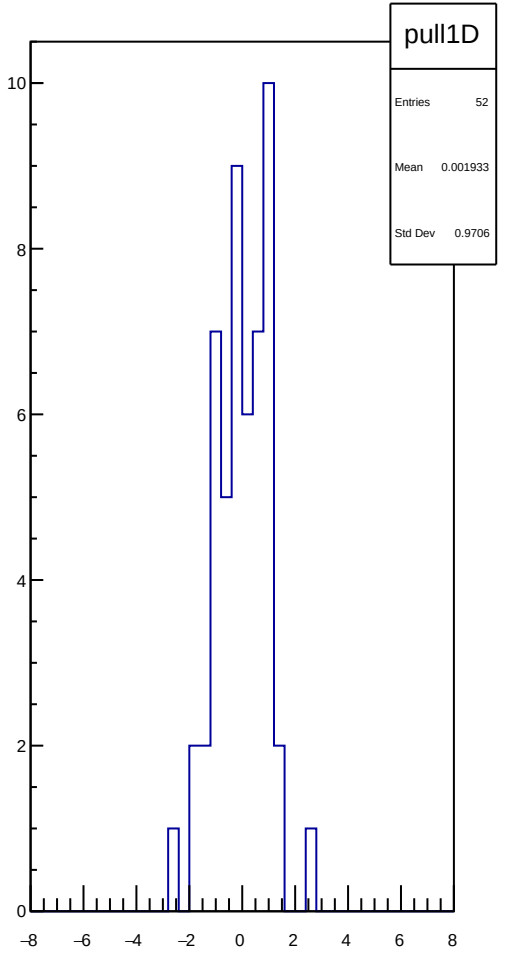

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.013e+05 / 51
p0 1.028e−10 ± 1.332e−13
1.2
1
0.8
0.6
0.4
0.2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

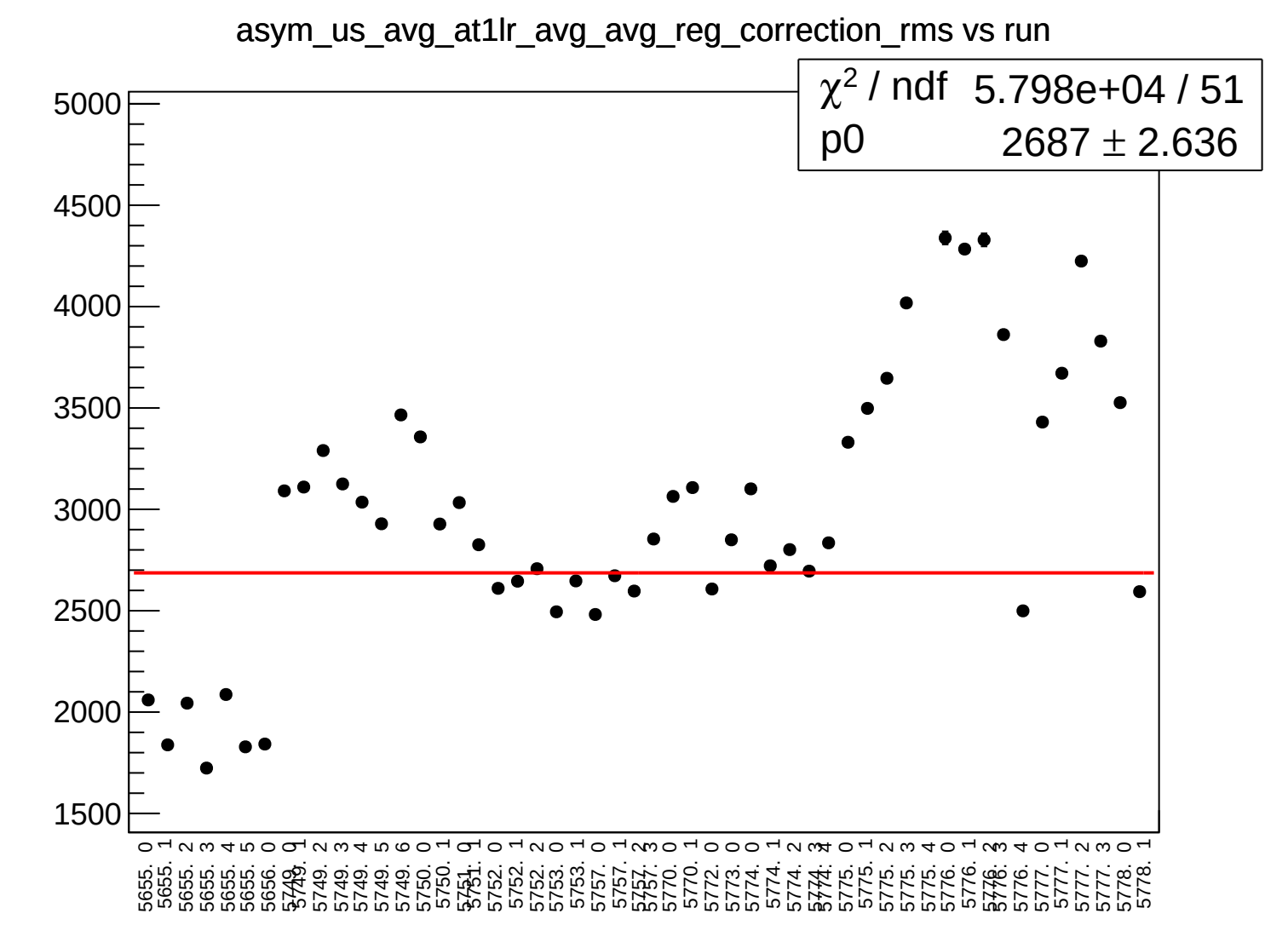

reg_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 60.18 / 51
p0 −1974 ± 3361
100
50
0
−50
−100
pull
Entries 52
Mean 93.53
Std Dev 0
2
1
0
−1
−2

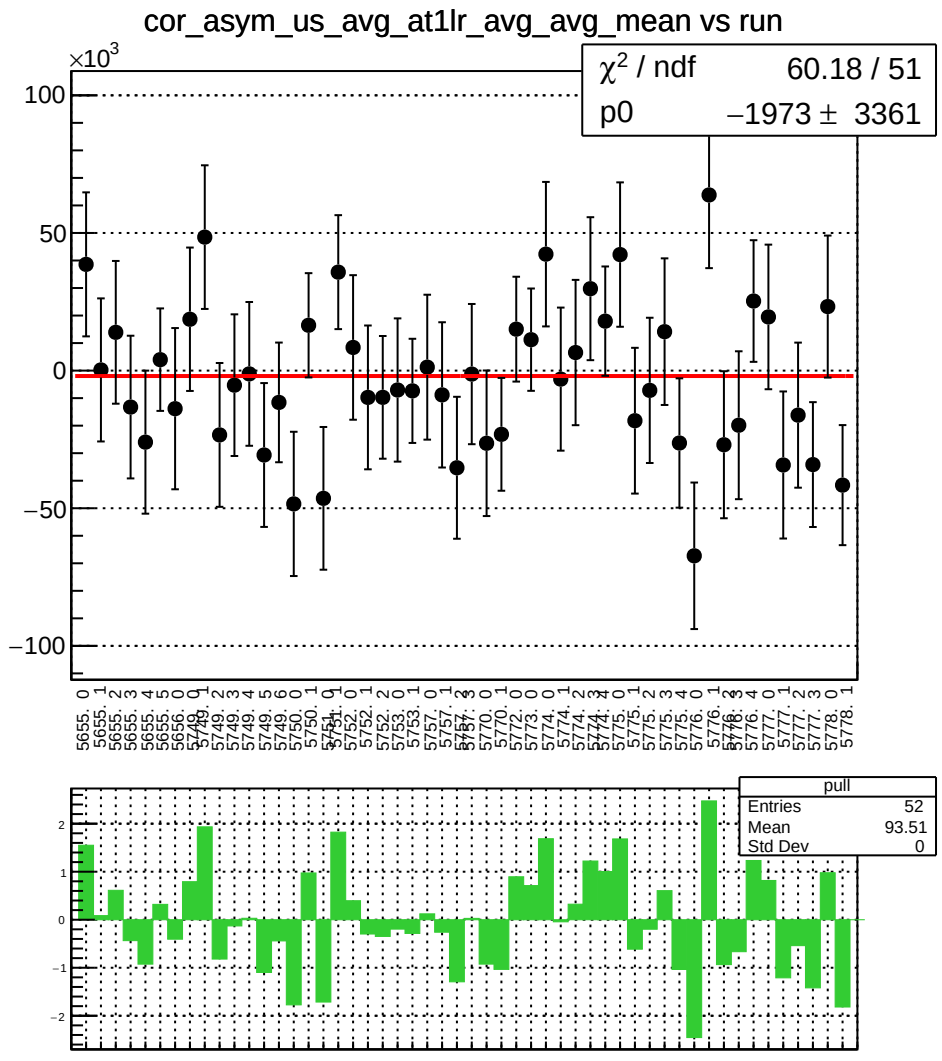

pull1D
Entries 52
Mean −0.01925
Std Dev 1.076
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

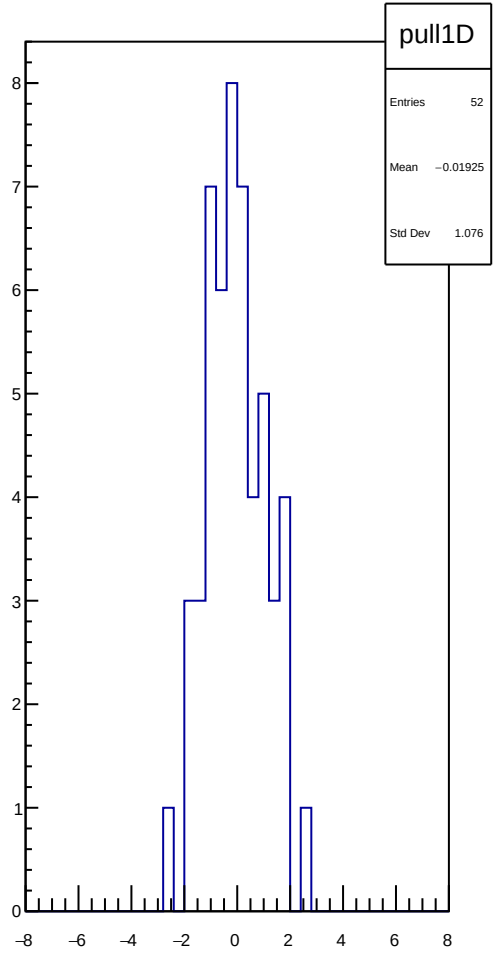

reg_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 196.8 / 51
p0 2489 ± 2.377
2650
2600
2550
2500
2450
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

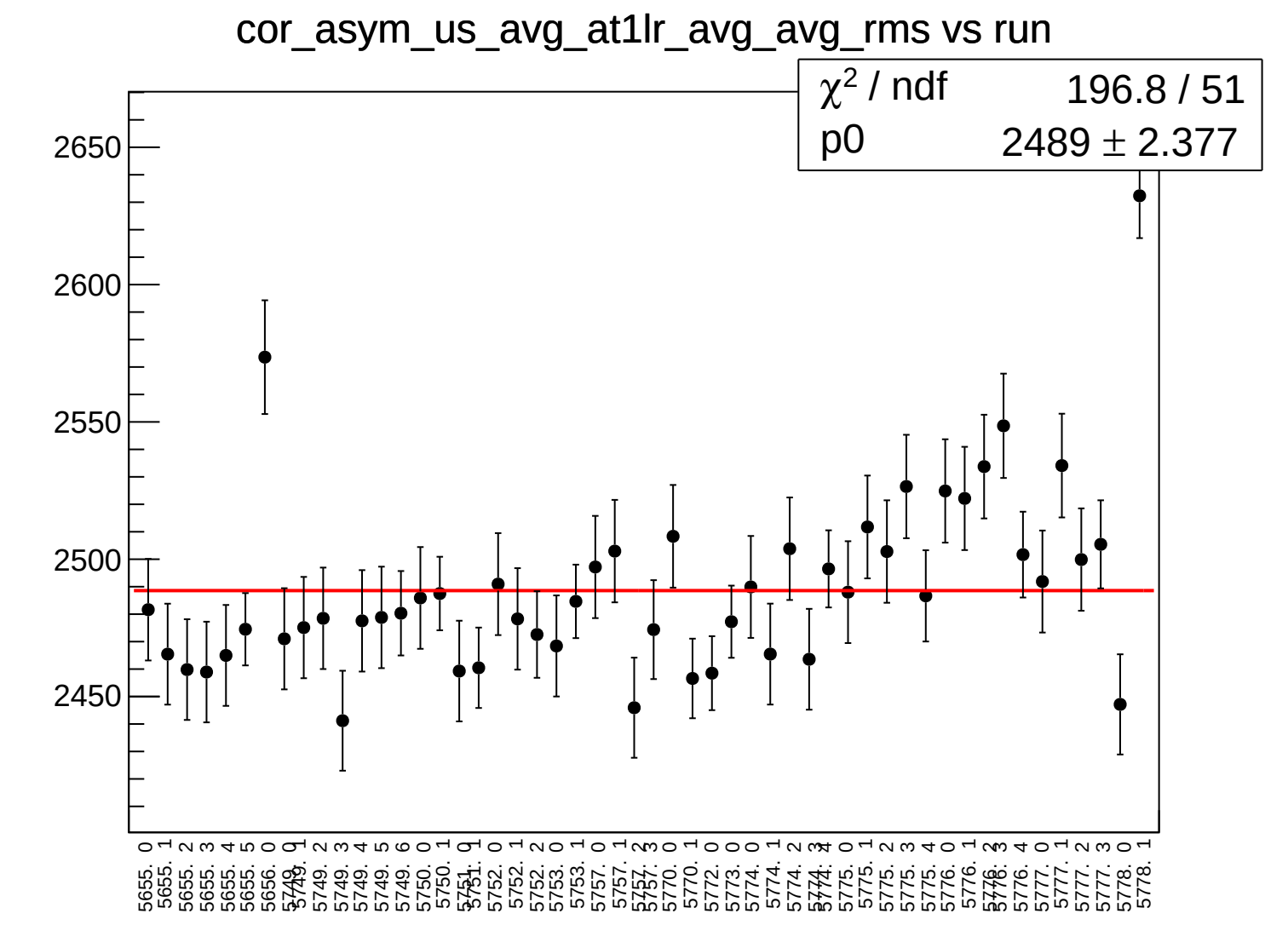

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs run
×10^3
χ^2 / ndf 48.98 / 51
p0 −1624 ± 3728
pull
Entries 52
Mean 286.9
Std Dev 0

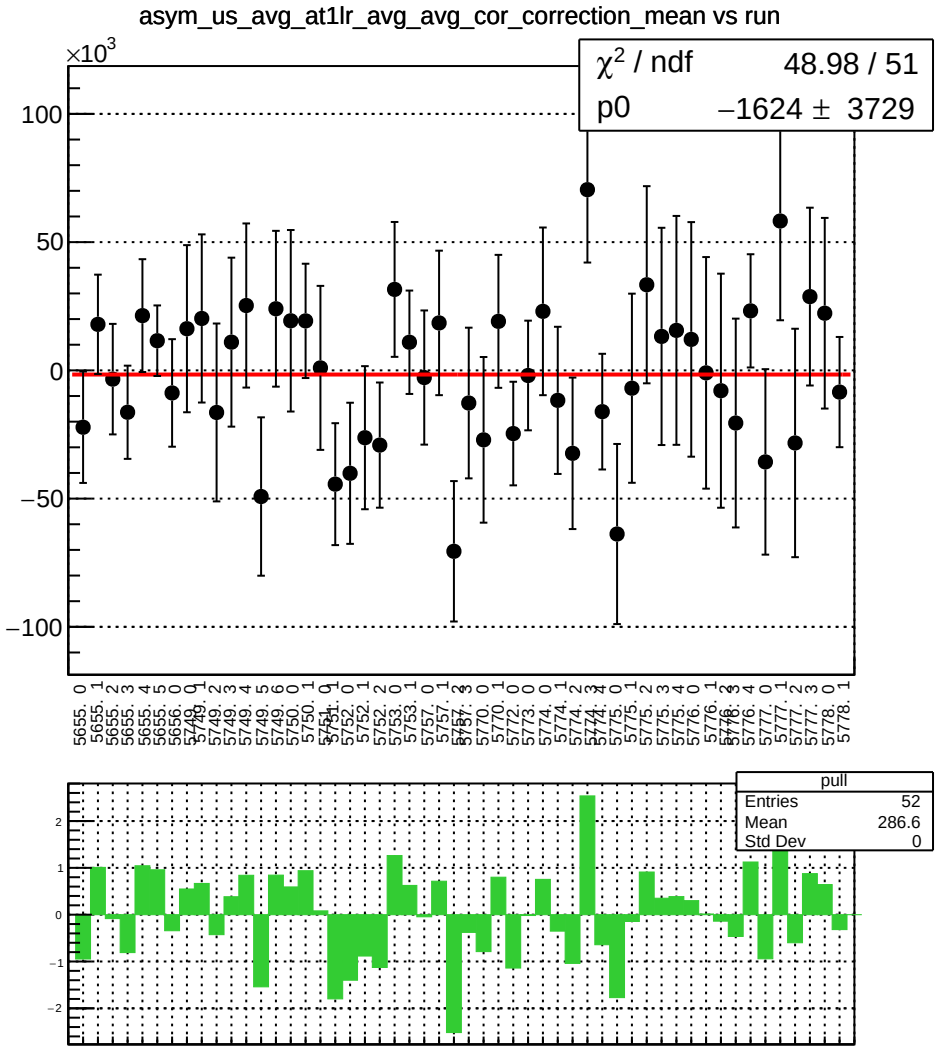

pull1D
Entries 52
Mean 0.001933
Std Dev 0.9706

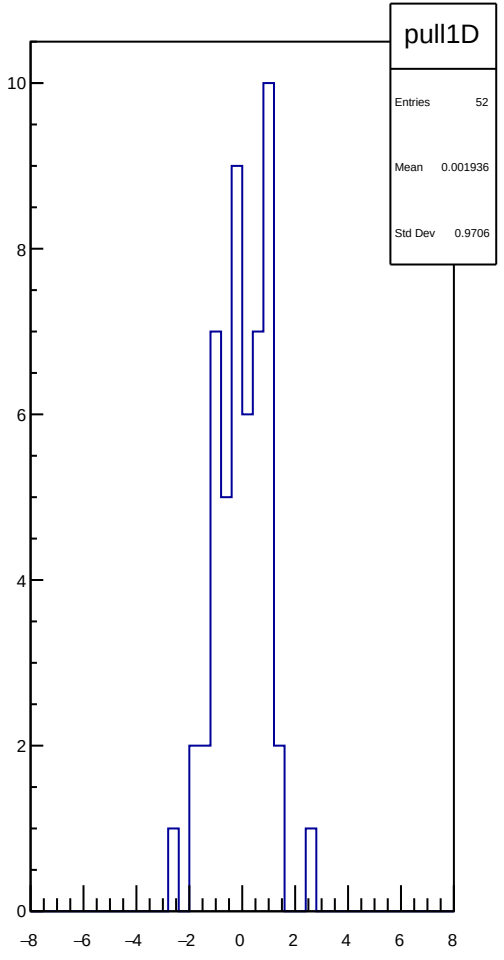

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs run
χ² / ndf 5.798e+04 / 51
p0 2687 ± 2.636
5000
4500
4000
3500
3000
2500
2000
1500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

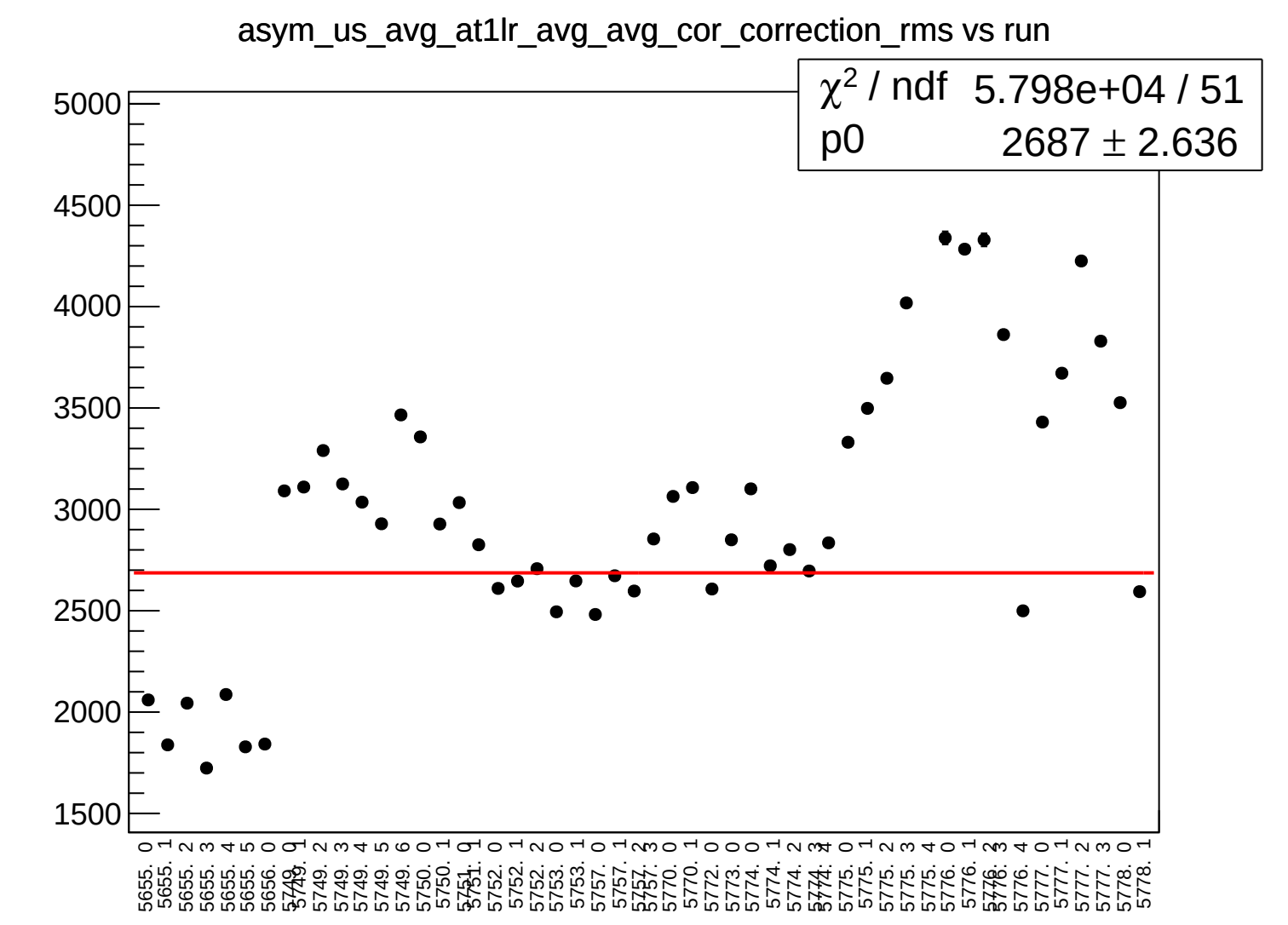

cor_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 60.18 / 51
p0 −1973 ± 3361
100
50
0
−50
−100
pull
Entries 52
Mean 93.51
Std Dev 0

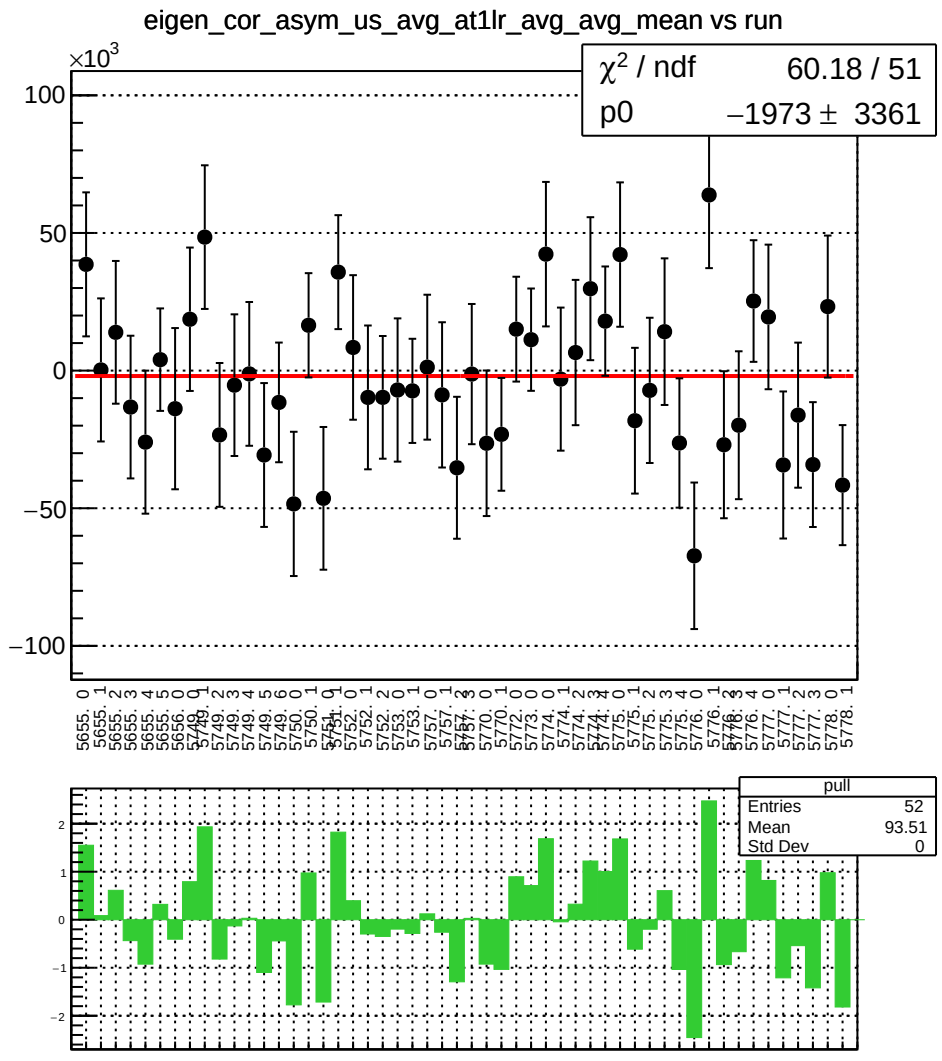

pull1D
Entries 52
Mean −0.01925
Std Dev 1.076

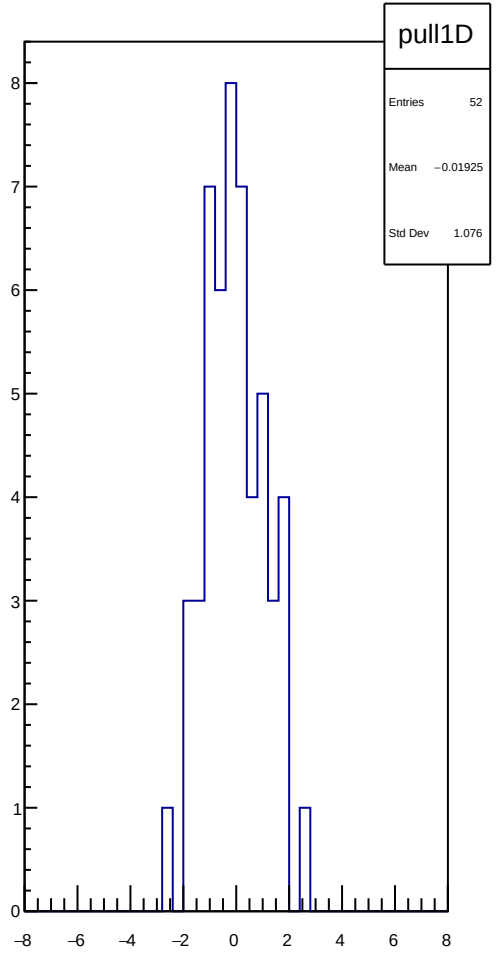

cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 196.8 / 51
p0 2489 ± 2.377
2650
2600
2550
2500
2450
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

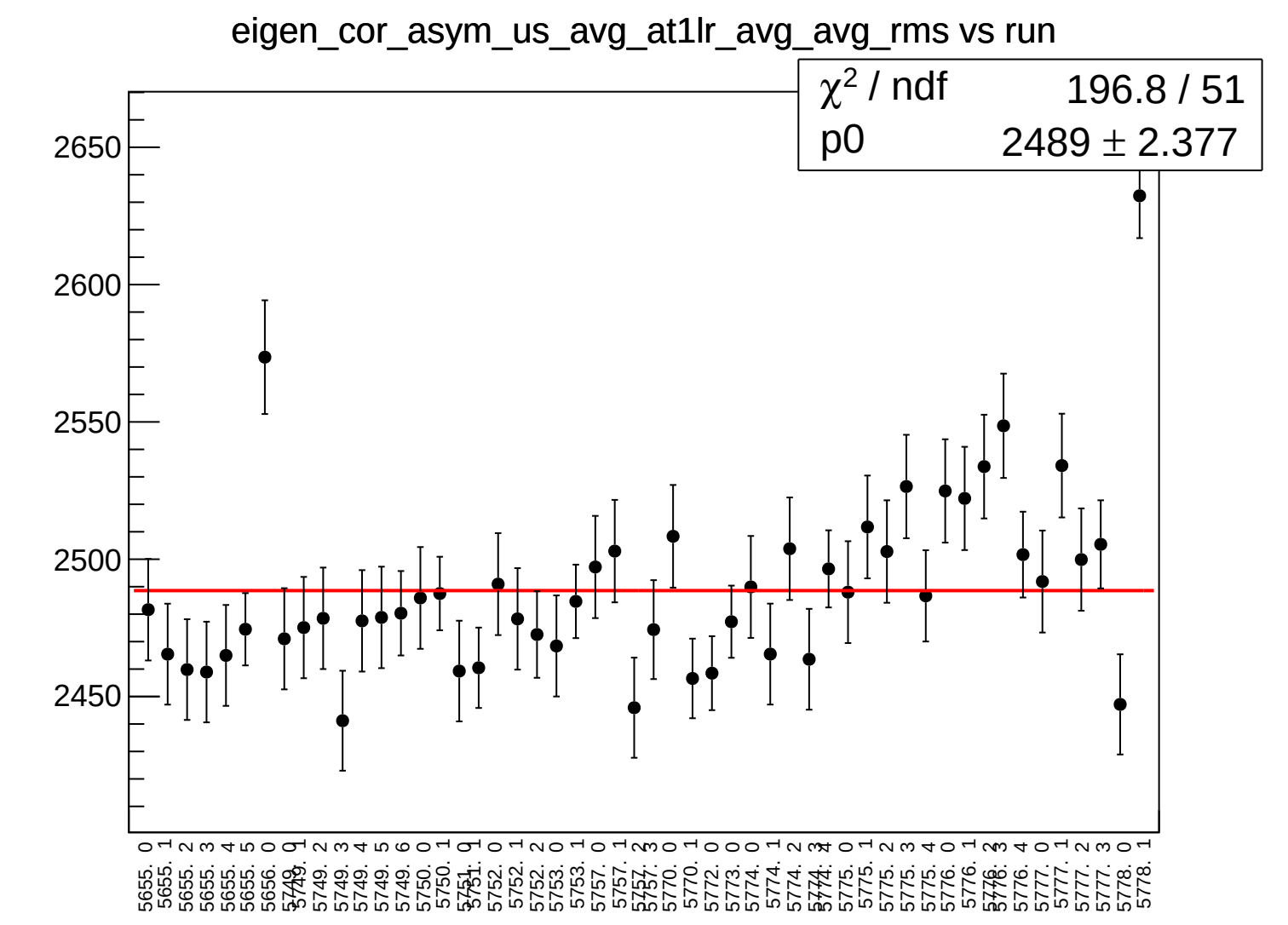

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 48.98 / 51
p0 −1624 ± 3729
100
50
0
−50
−100
pull
Entries 52
Mean 286.6
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.001936
Std Dev 0.9706
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 5.798e+04 / 51
p0 2687 ± 2.636
5000
4500
4000
3500
3000
2500
2000
1500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 60.18 / 51
p0 −1973 ± 3361
100
50
0
−50
−100
pull
Entries 52
Mean 93.51
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.01925
Std Dev 1.076
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 196.8 / 51
p0 2489 ± 2.377
2650
2600
2550
2500
2450
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
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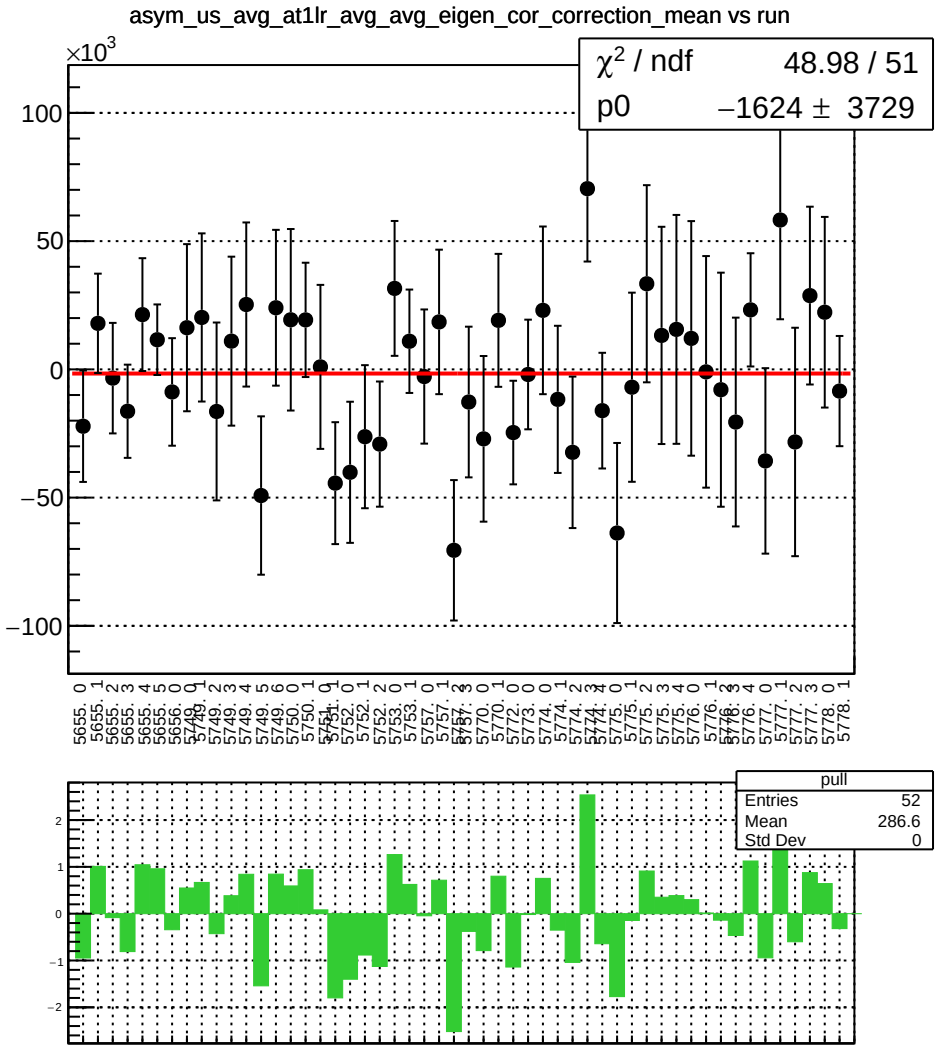
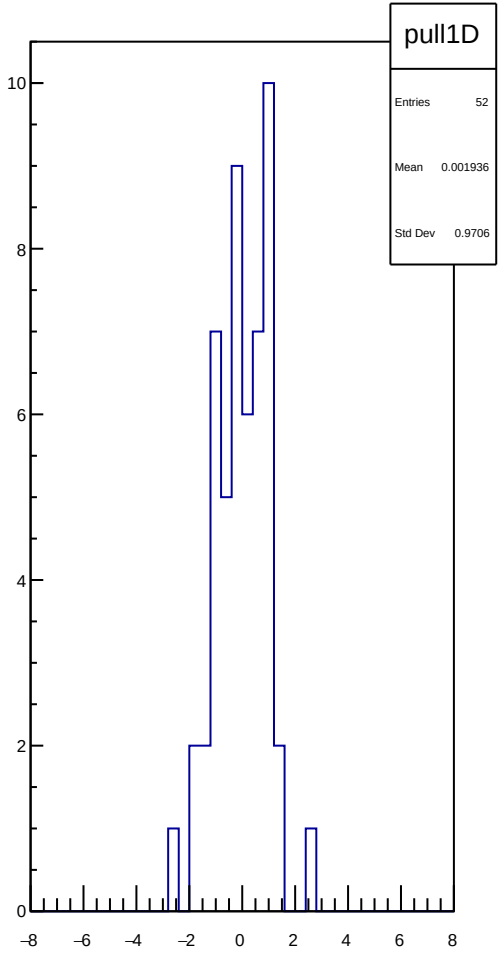
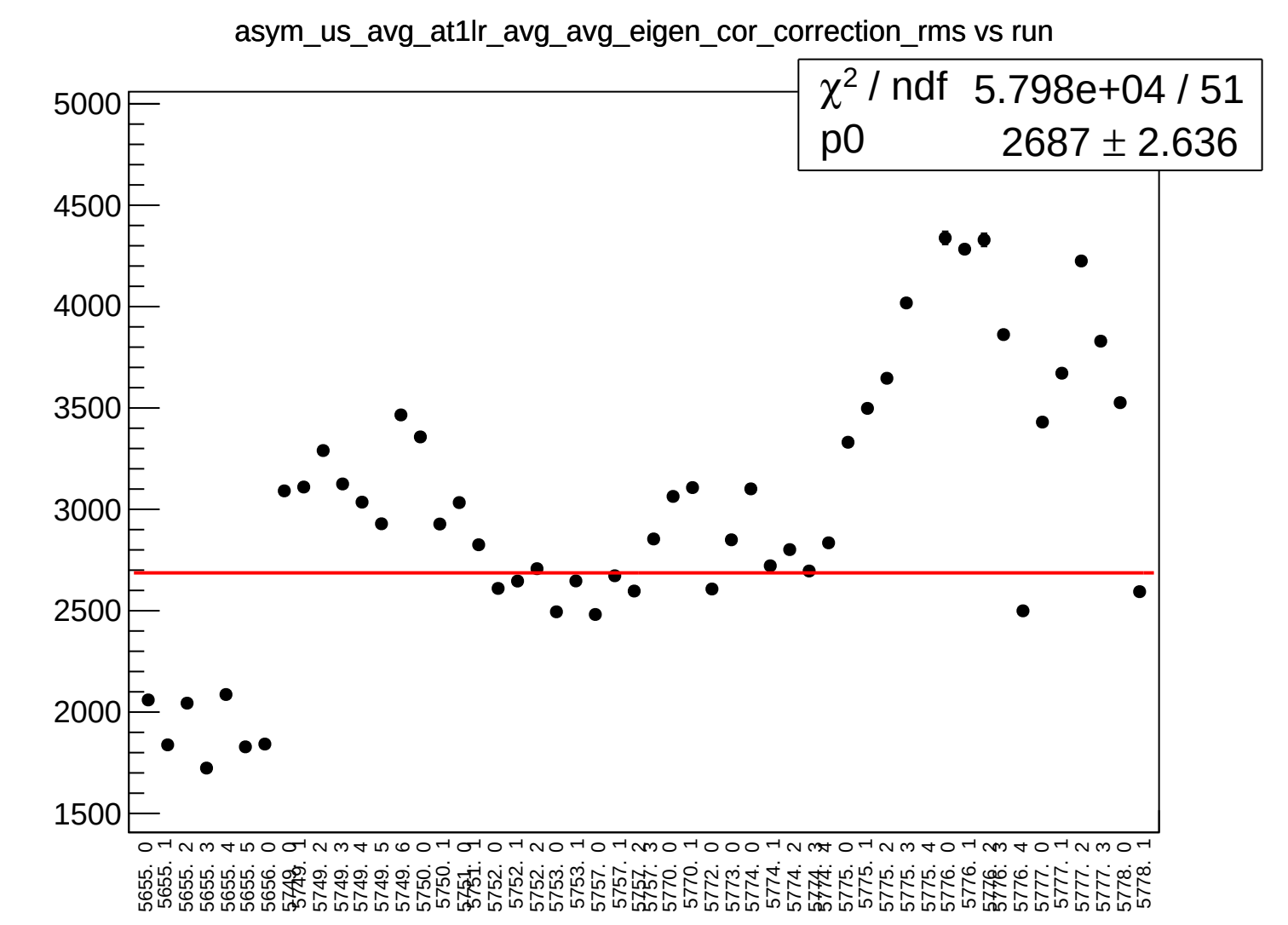
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 48.98 / 51
p0 −1624 ± 3729
pull
Entries 52
Mean 286.6
Std Dev 0


pull1D
Entries 52
Mean 0.001936
Std Dev 0.9706


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 5.798e+04 / 51
p0 2687 ± 2.636
5000
4500
4000
3500
3000
2500
2000
1500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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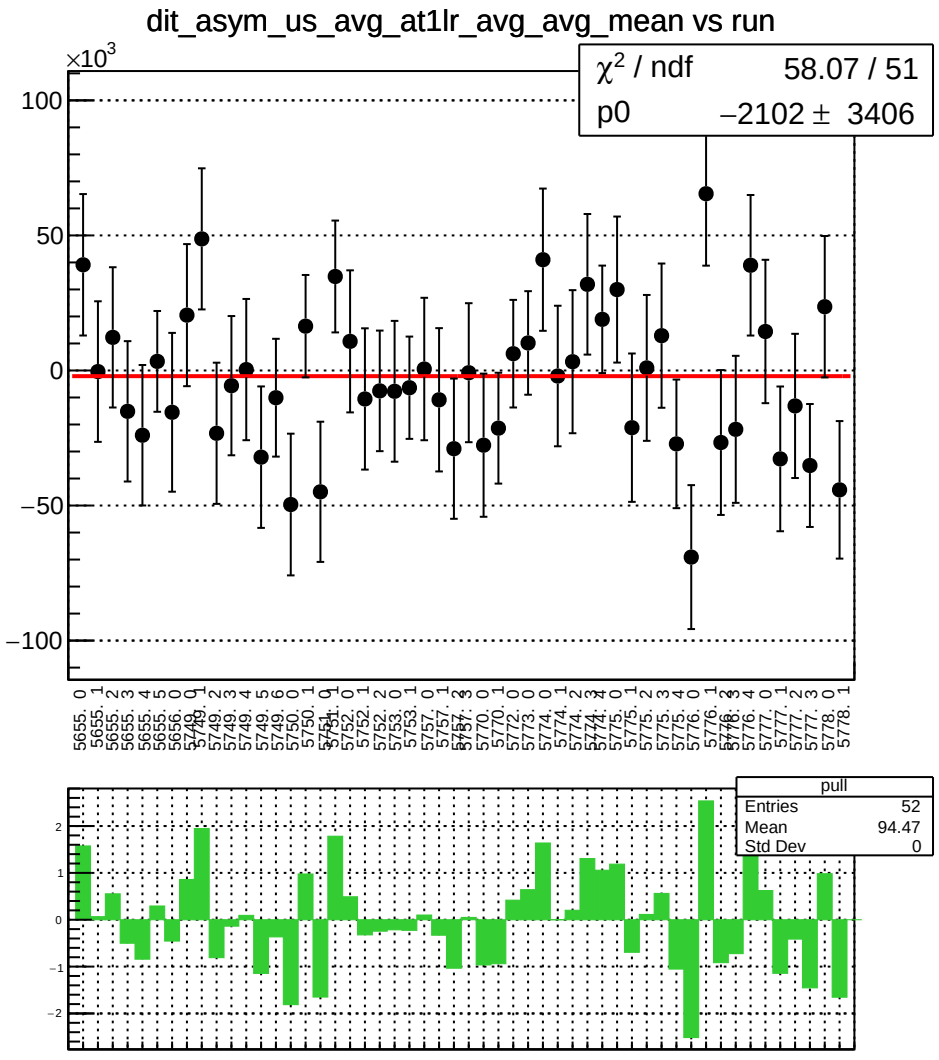
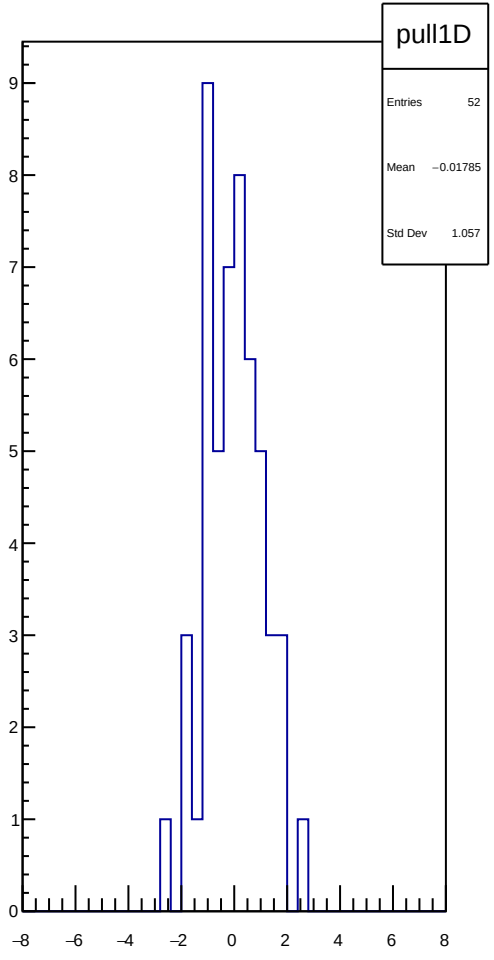
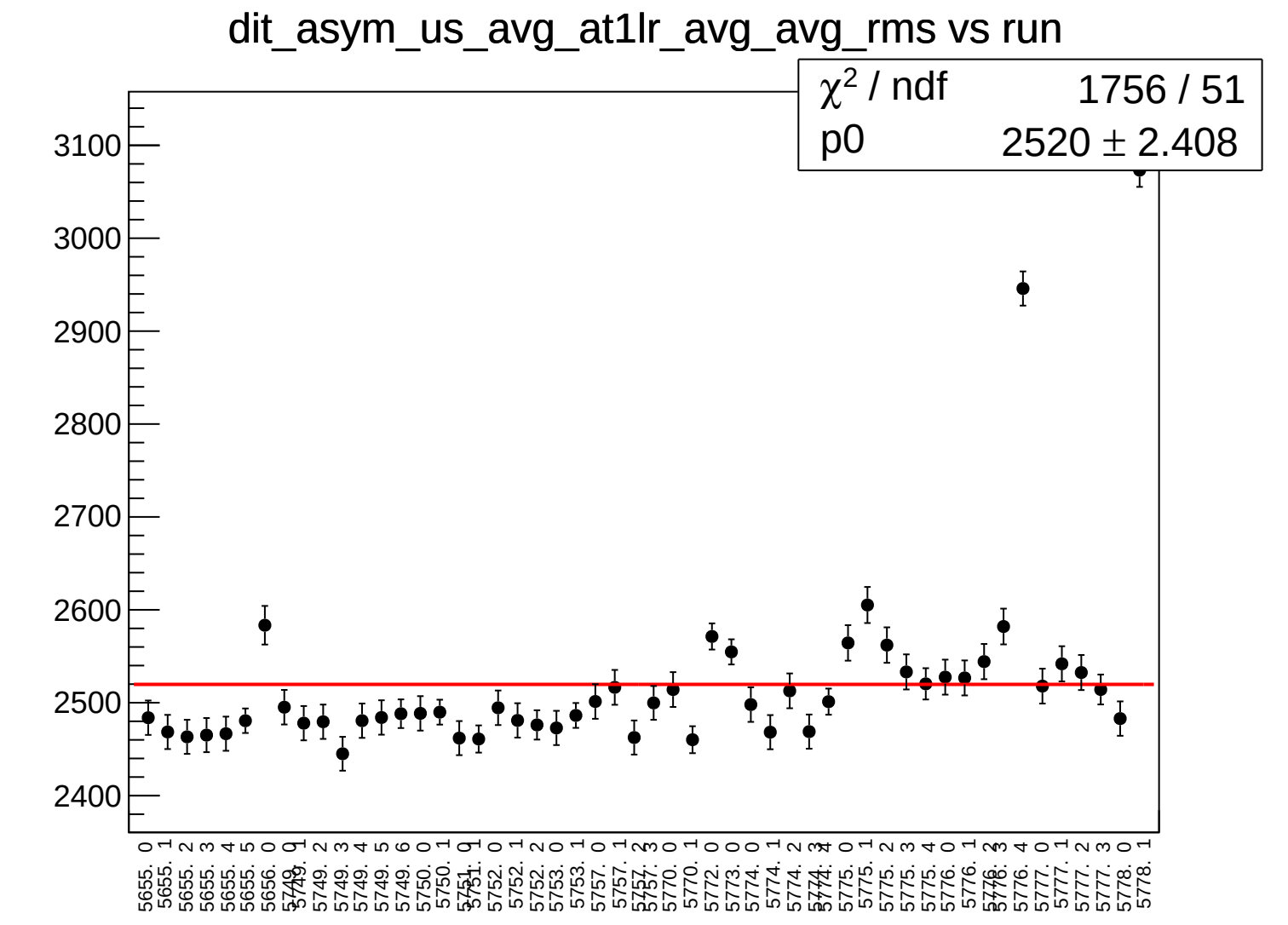
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


dit_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 58.07 / 51
p0 −2102 ± 3406
100
50
0
−50
−100
pull
Entries 52
Mean 94.47
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.01785
Std Dev 1.057
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 1756 / 51
p0 2520 ± 2.408
3100
3000
2900
2800
2700
2600
2500
2400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
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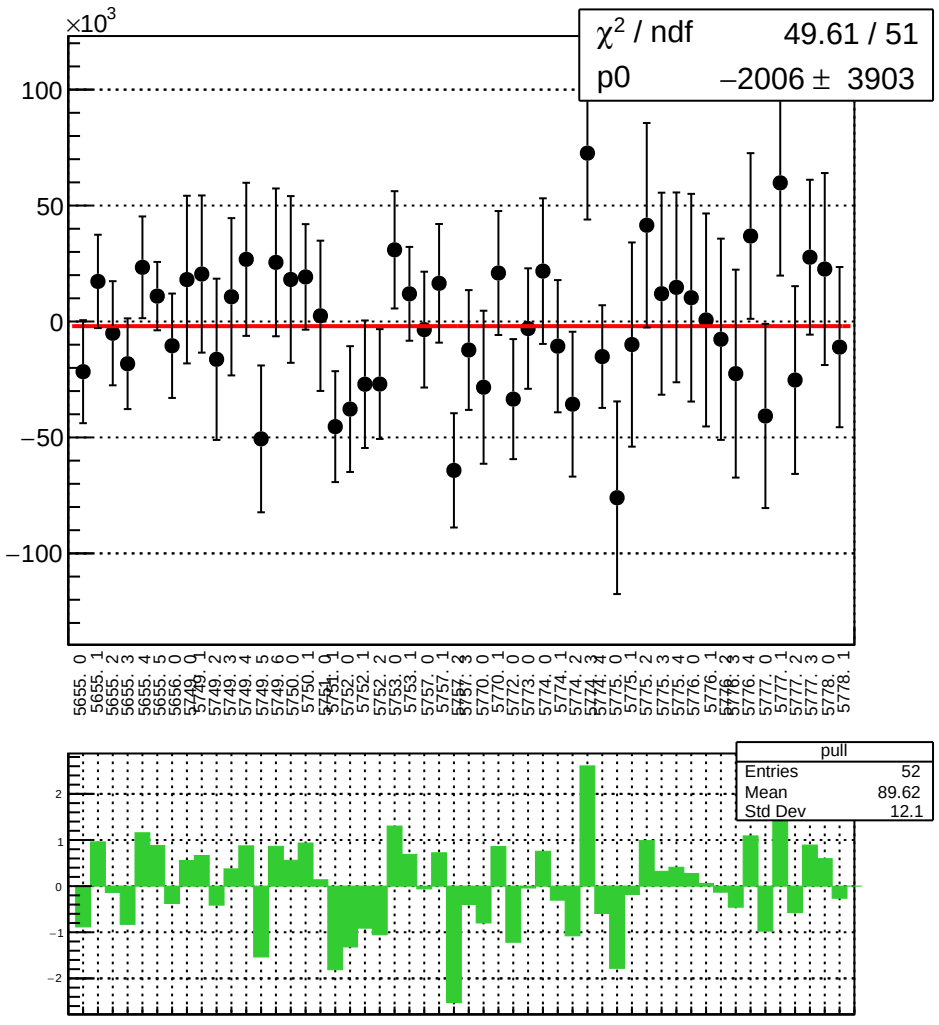
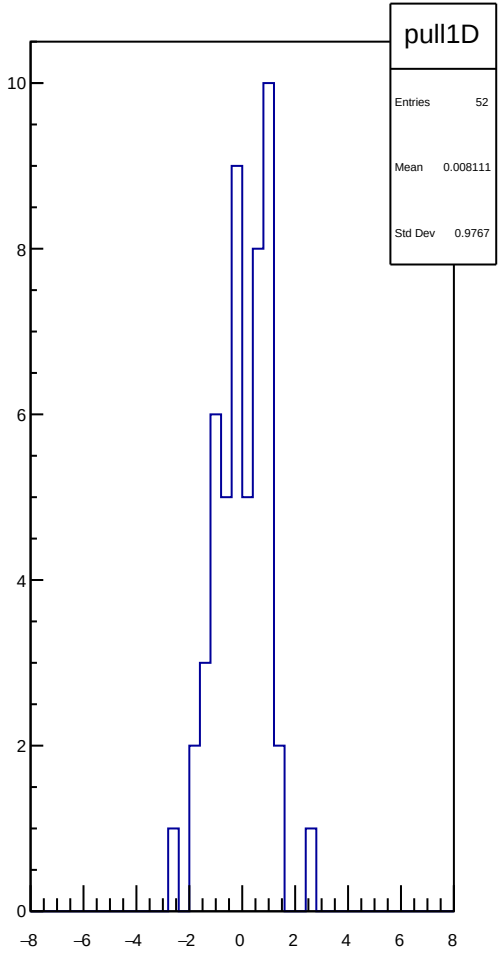
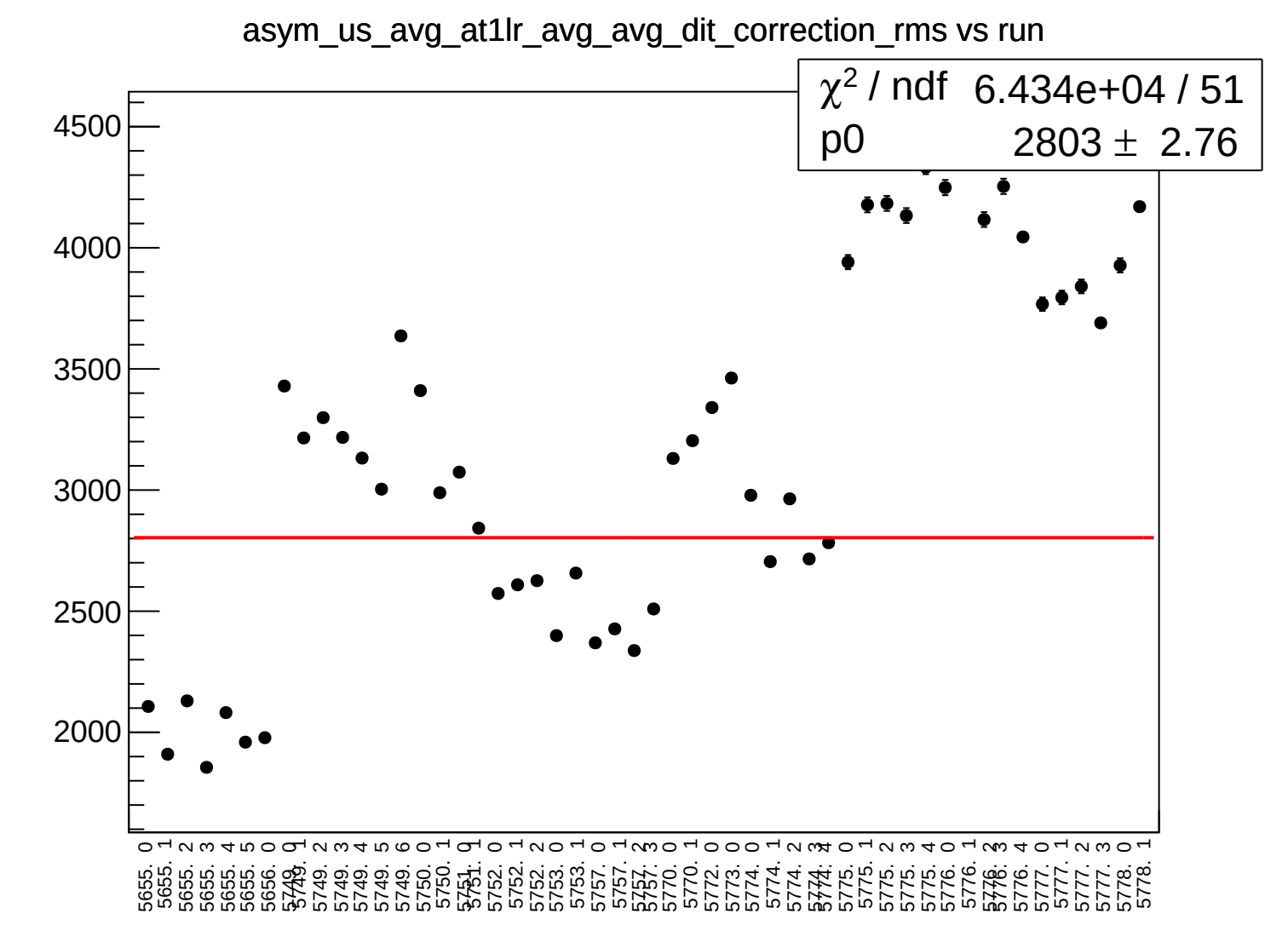
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_avg_at1lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 49.61 / 51
p0 −2006 ± 3903
100
50
0
−50
−100
pull
Entries 52
Mean 89.62
Std Dev 12.1
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.008111
Std Dev 0.9767
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_at1lr_avg_avg_dit_correction_rms vs run
χ² / ndf 6.434e+04 / 51
p0 2803 ± 2.76
4500
4000
3500
3000
2500
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
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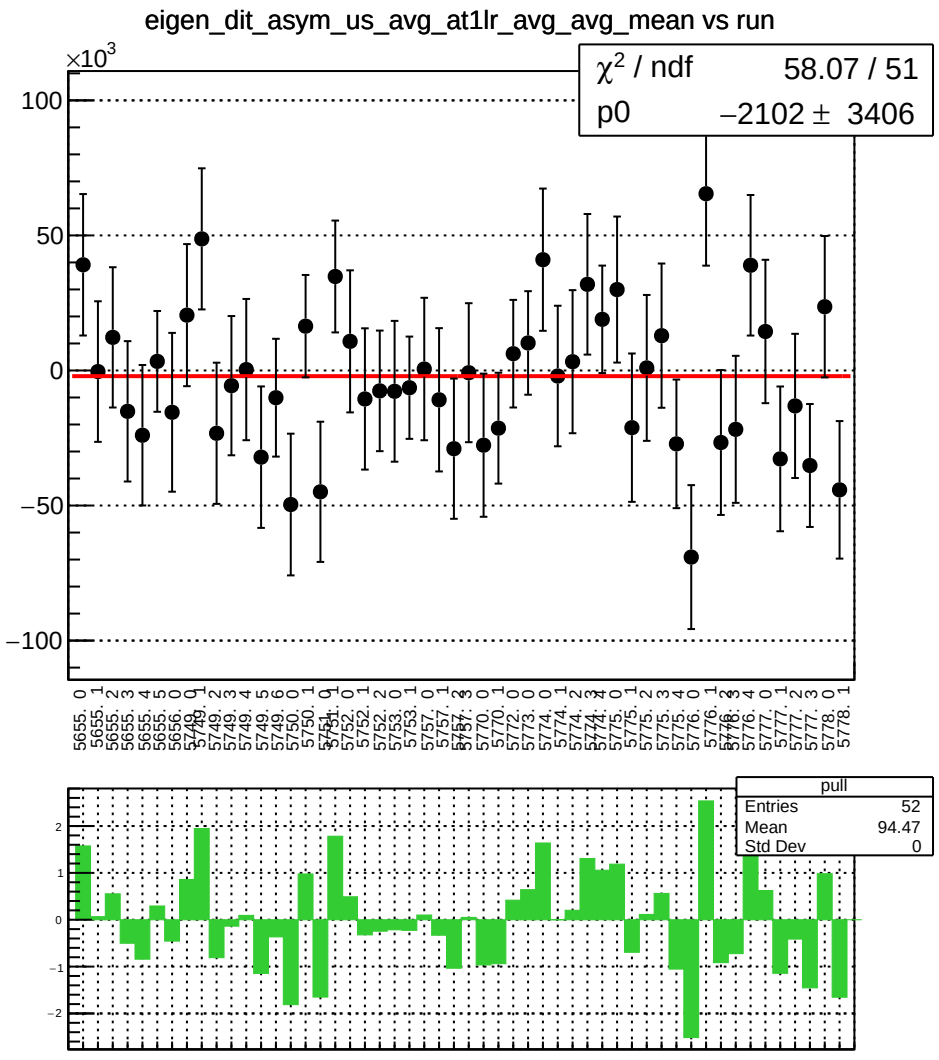
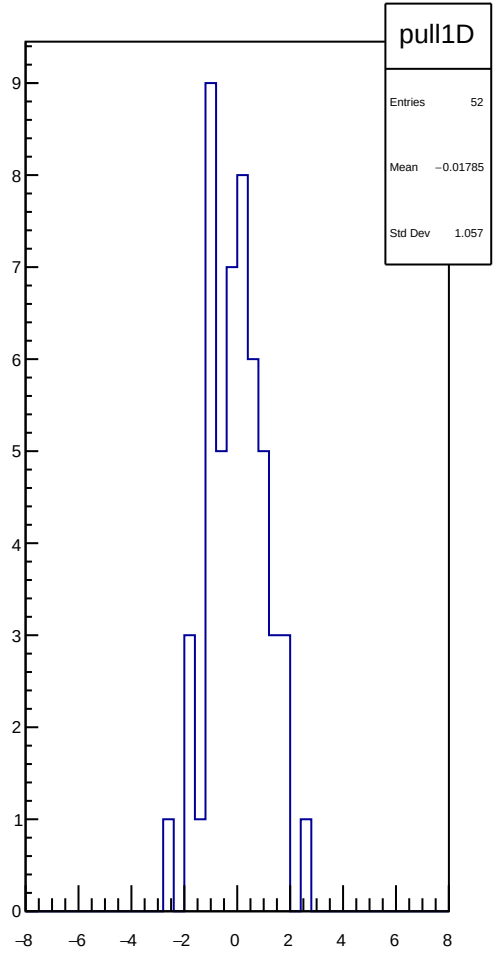
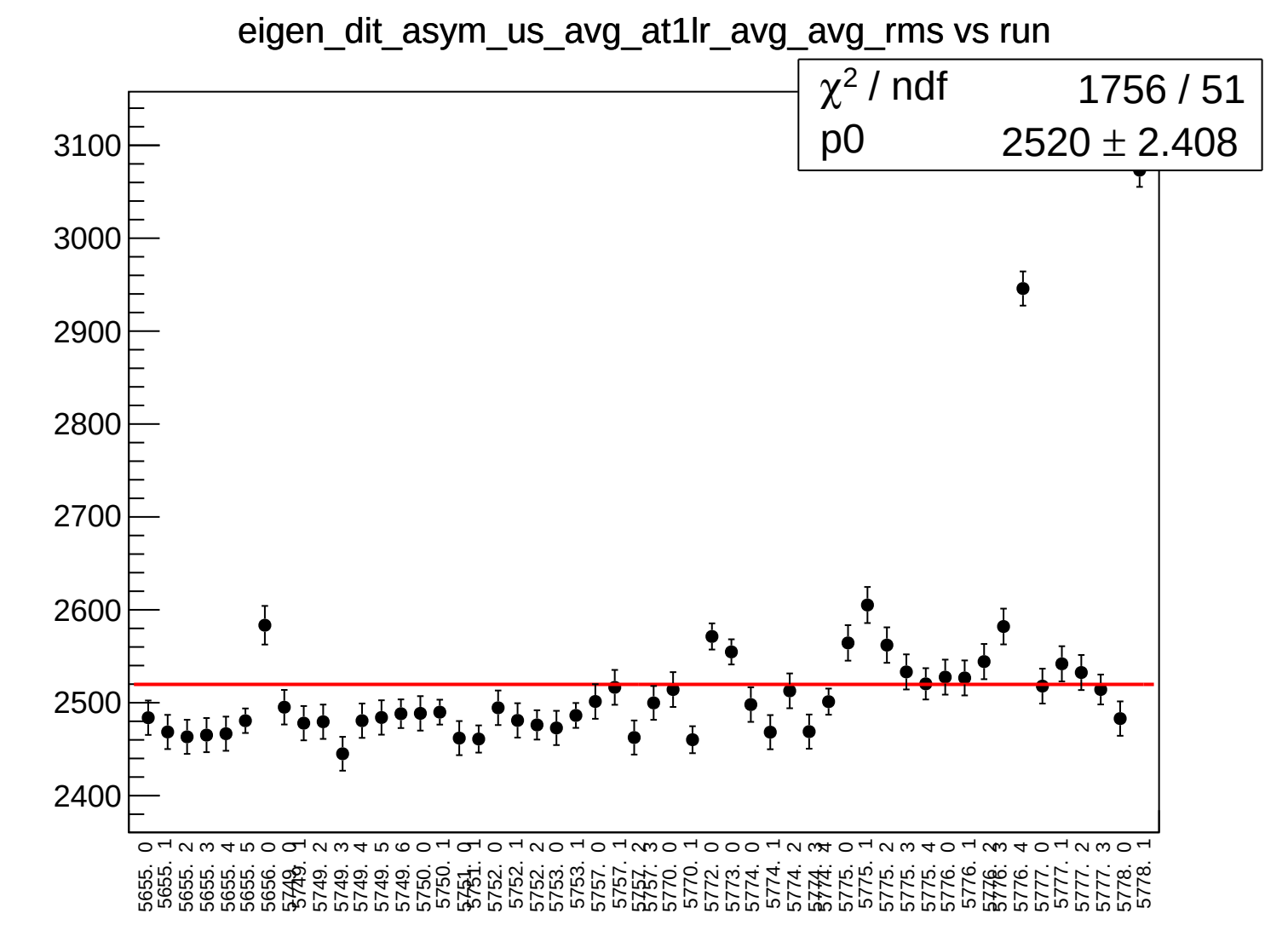
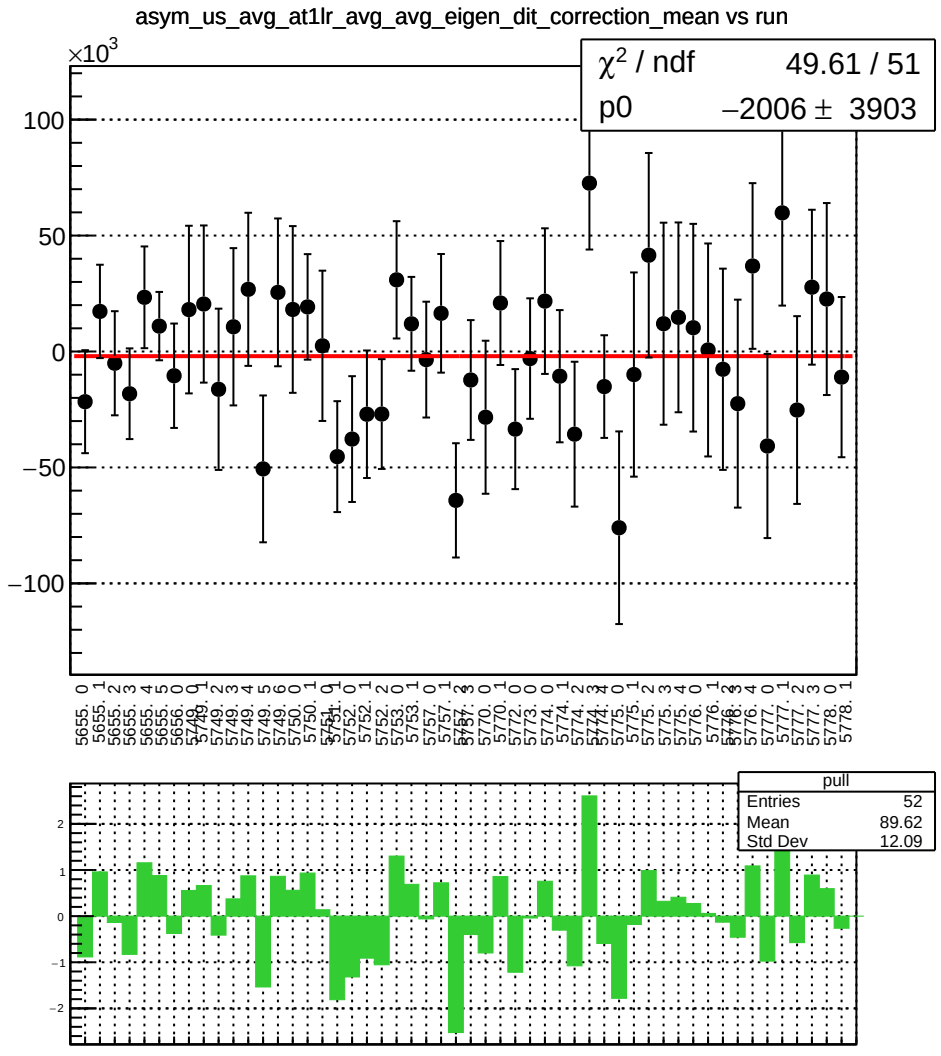
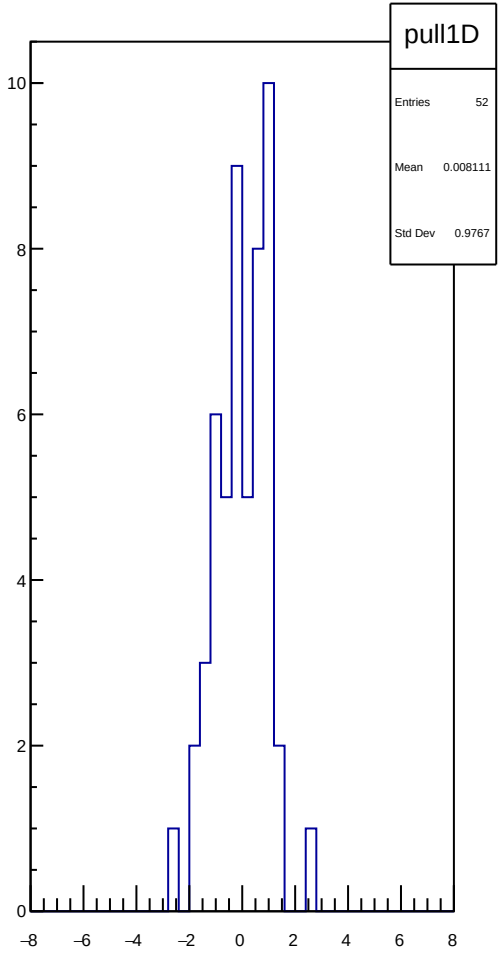
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

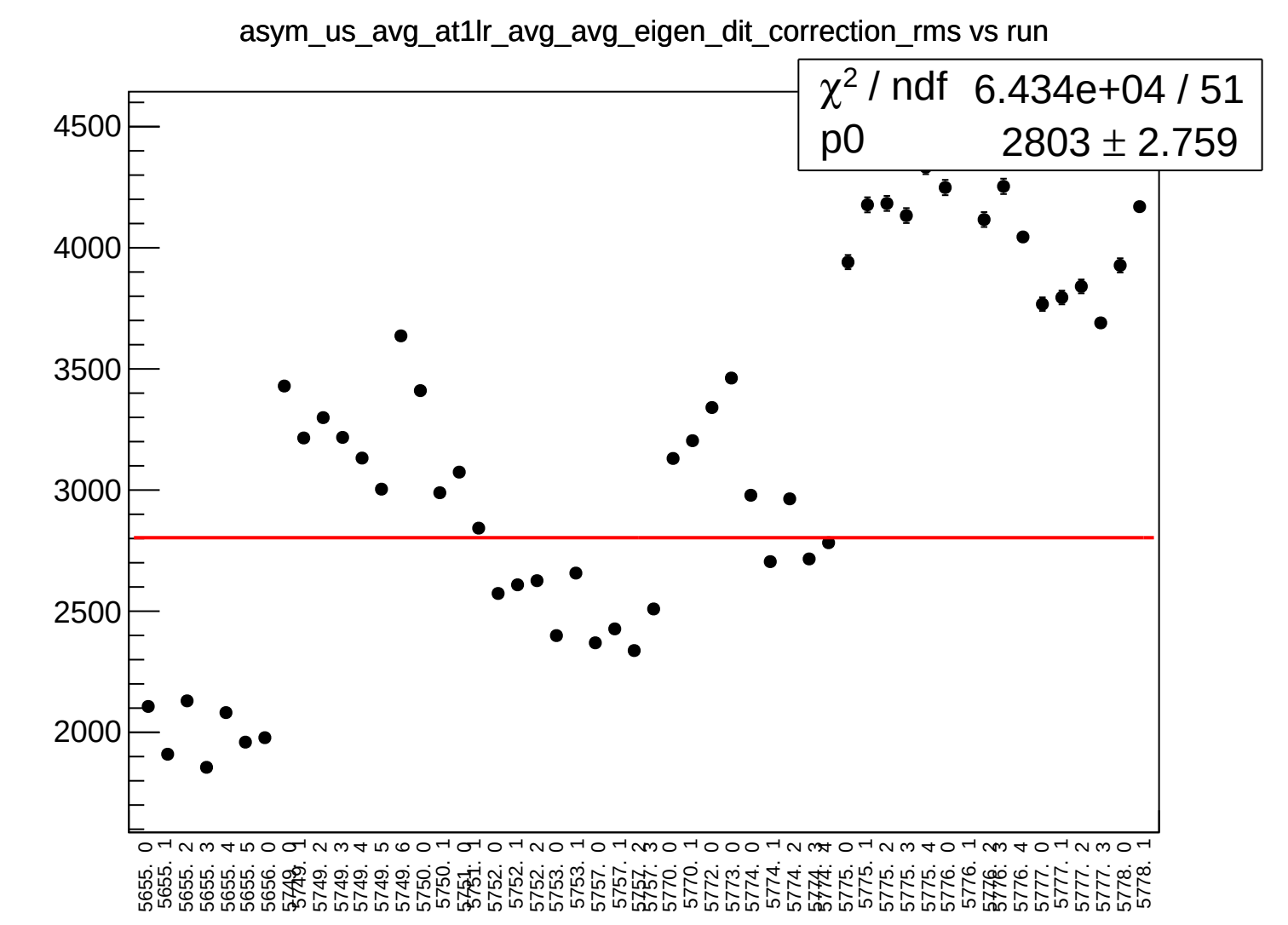

eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 58.07 / 51
p0 −2102 ± 3406
100
50
0
−50
−100
pull
Entries 52
Mean 94.47
Std Dev 0
2
1
0
−1
−2

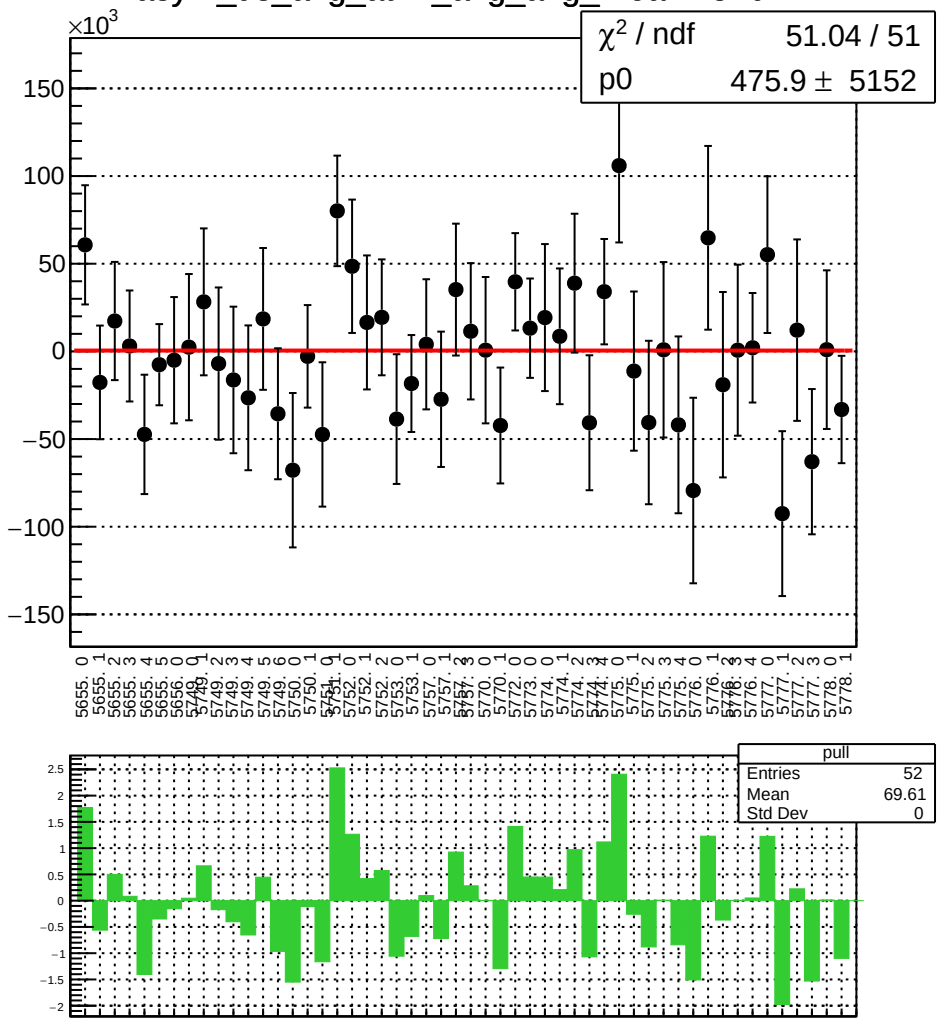

pull1D
Entries 52
Mean −0.01785
Std Dev 1.057
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

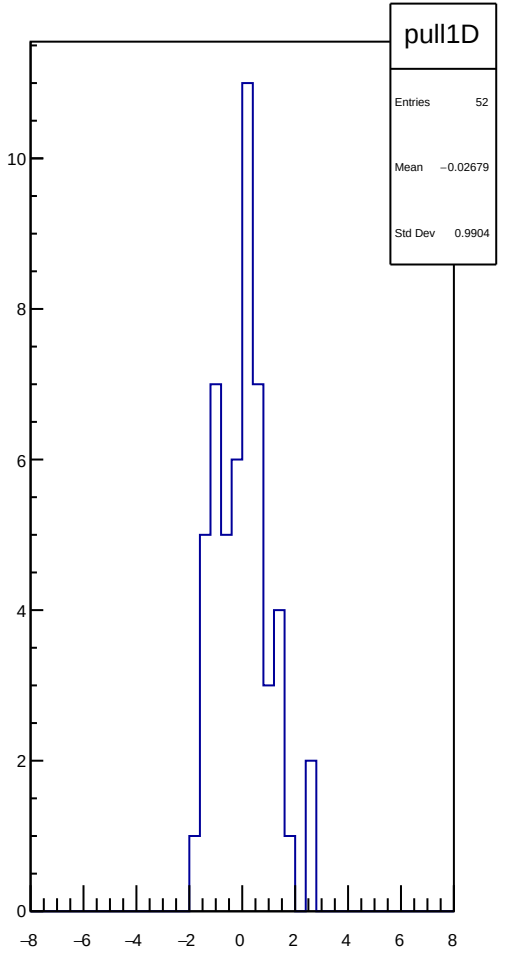

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 1756 / 51
p0 2520 ± 2.408
3100
3000
2900
2800
2700
2600
2500
2400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

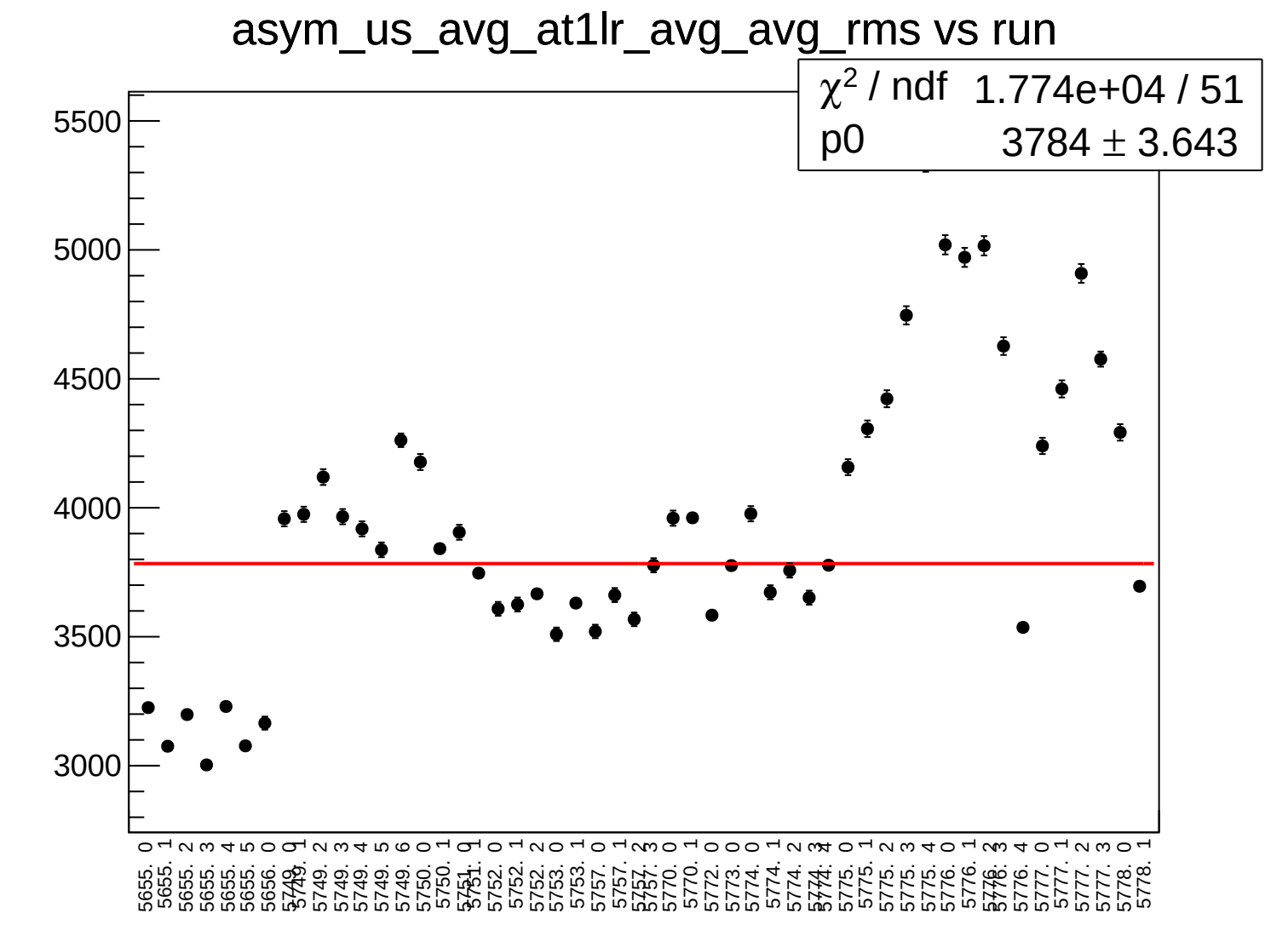

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 49.61 / 51
p0 −2006 ± 3903
pull
Entries 52
Mean 89.62
Std Dev 12.09

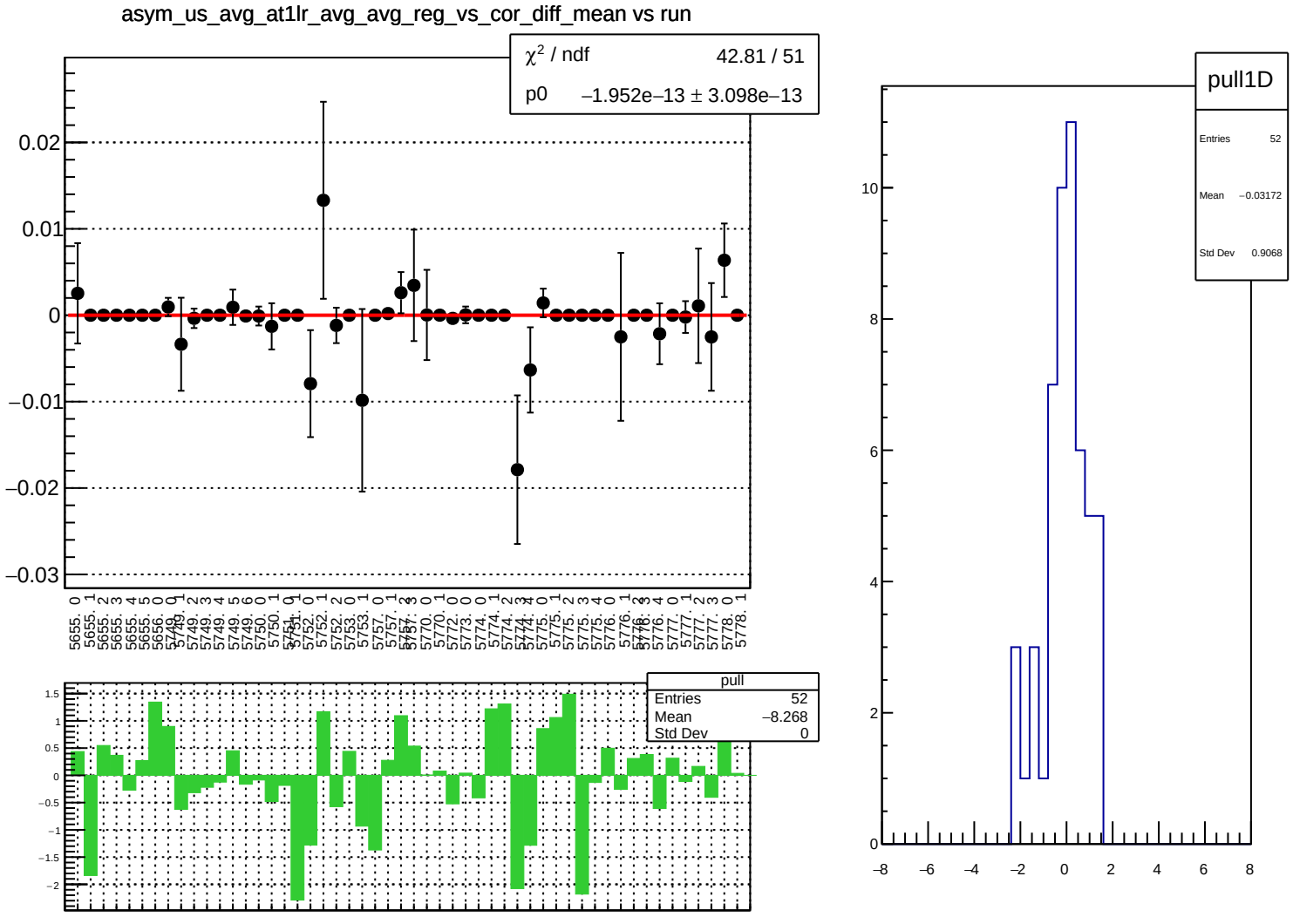

pull1D
Entries 52
Mean 0.008111
Std Dev 0.9767

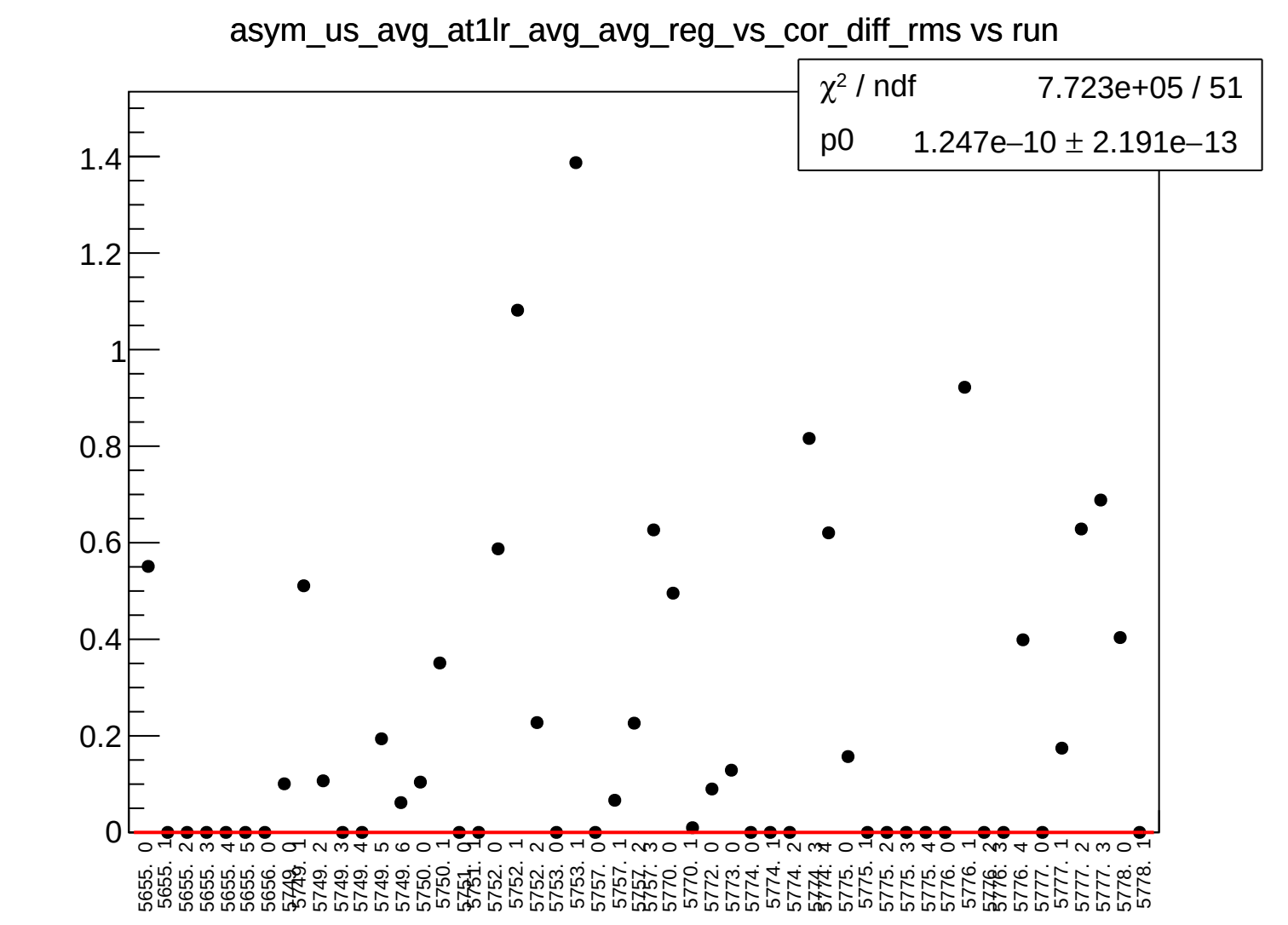

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 6.434e+04 / 51
p0 2803 ± 2.759
4500
4000
3500
3000
2500
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

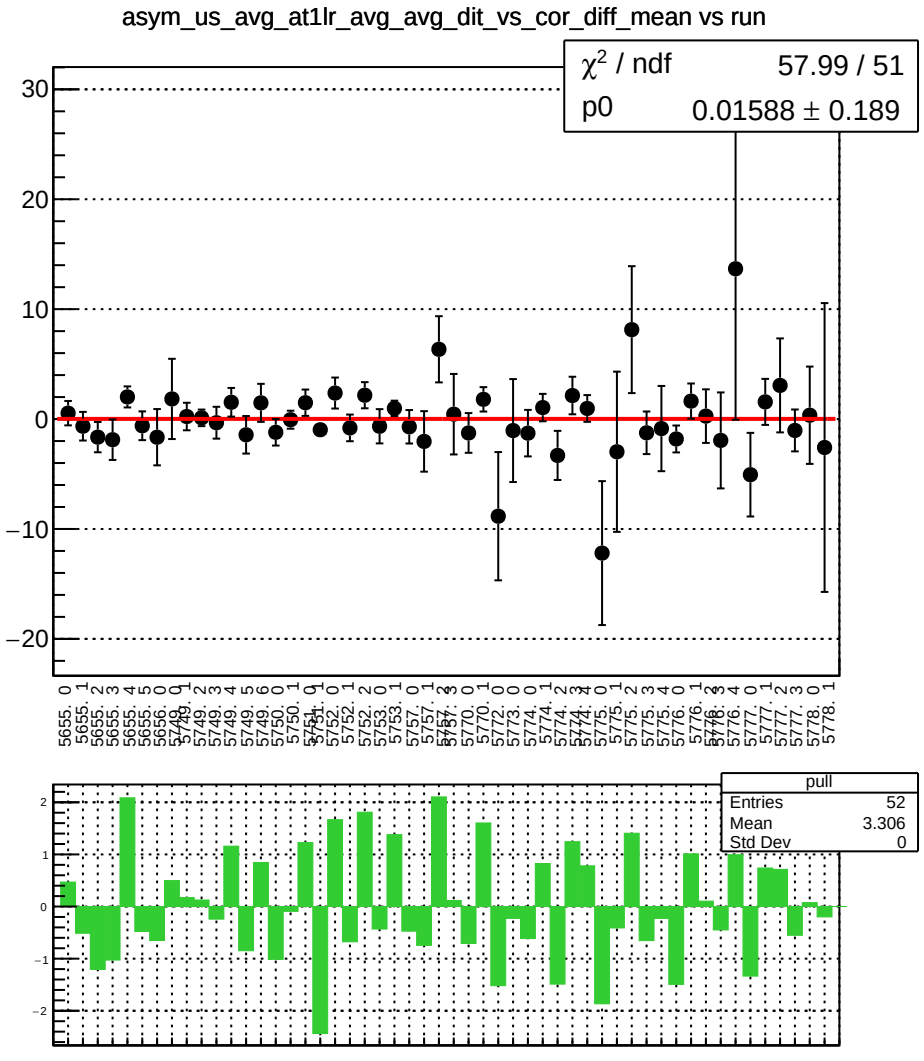

asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 51.04 / 51
p0 475.9 ± 5152
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean 69.61
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

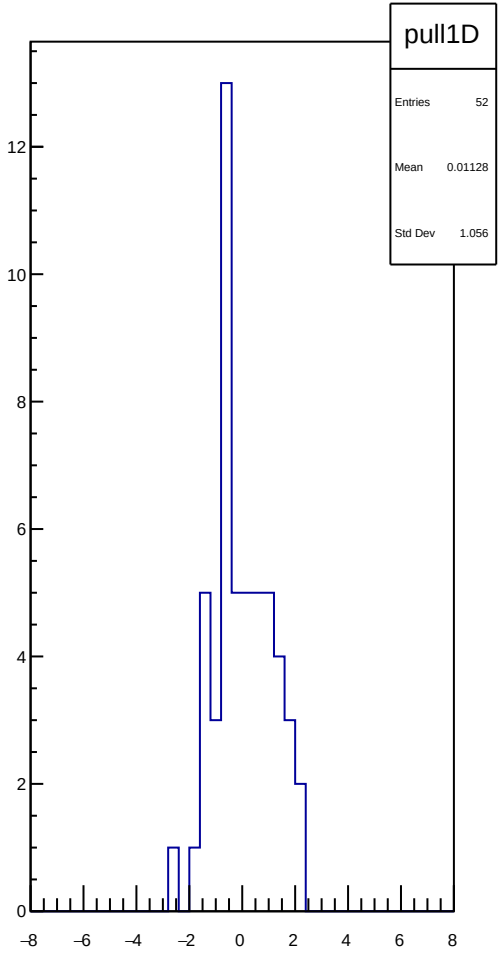

pull1D
Entries 52
Mean −0.02679
Std Dev 0.9904
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

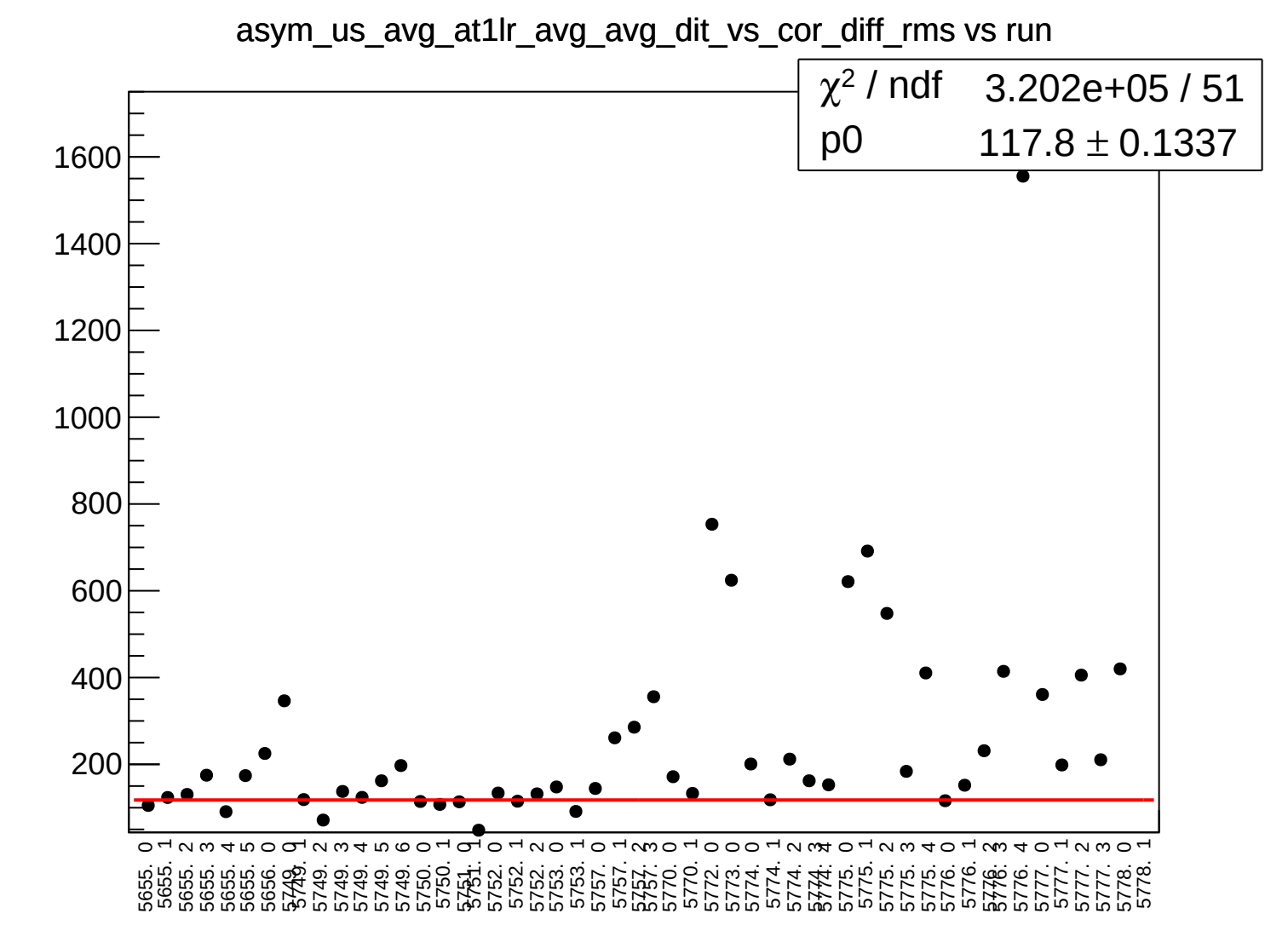

asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 1.774e+04 / 51
p0 3784 ± 3.643
5500
5000
4500
4000
3500
3000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

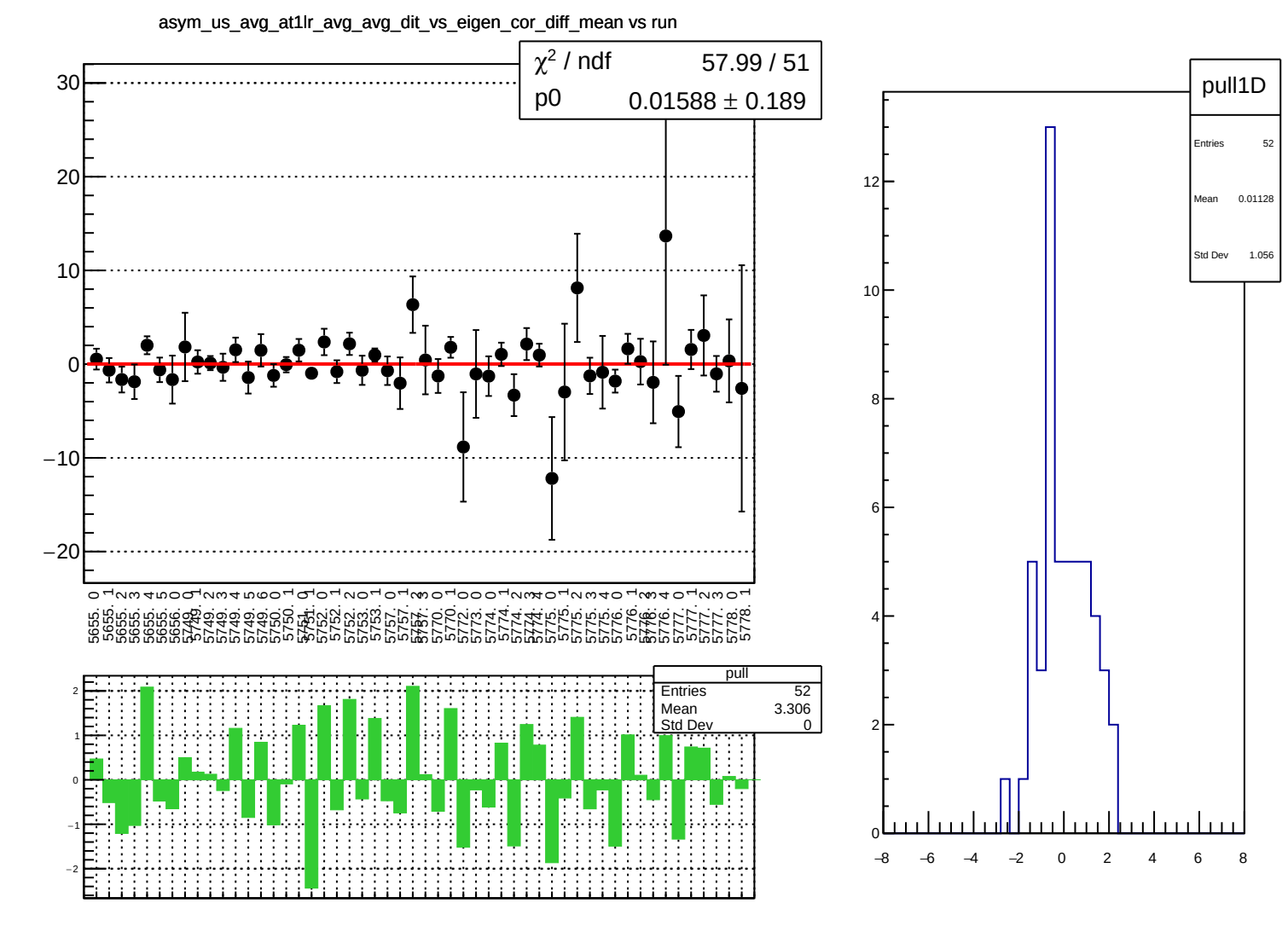

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 42.81 / 51
p0 −1.952e−13 ± 3.098e−13
pull
Entries 52
Mean −8.268
Std Dev 0
pull1D
Entries 52
Mean −0.03172
Std Dev 0.9068

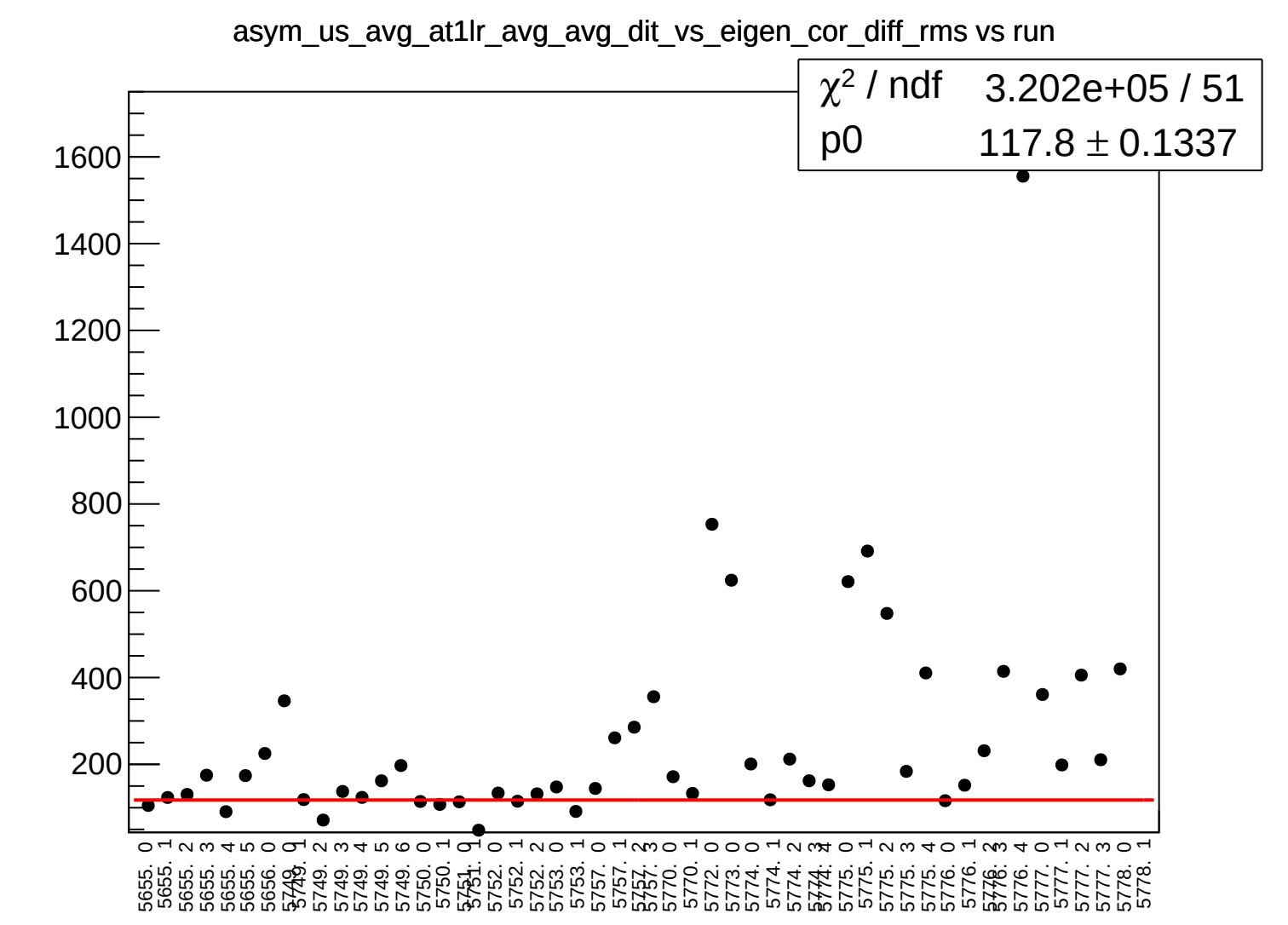

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.723e+05 / 51
p0 1.247e−10 ± 2.191e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

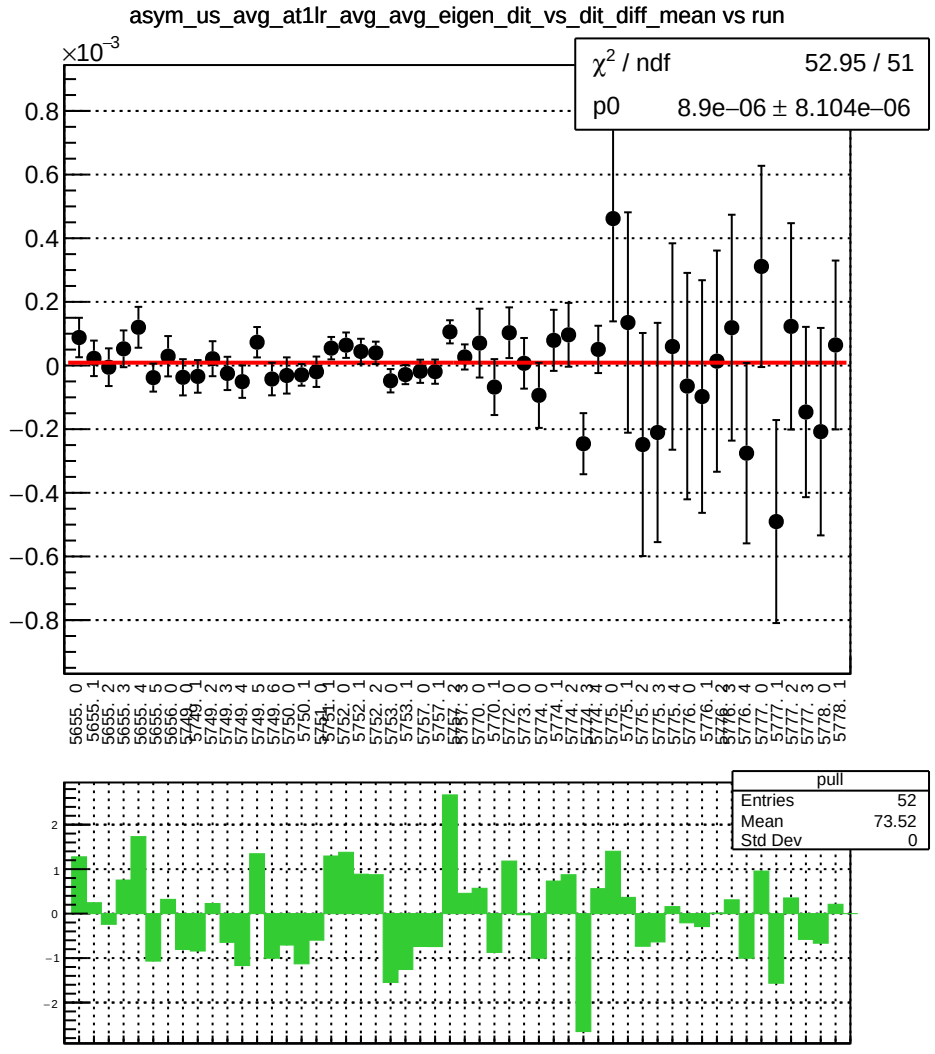

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 57.99 / 51
p0 0.01588 ± 0.189
pull
Entries 52
Mean 3.306
Std Dev 0

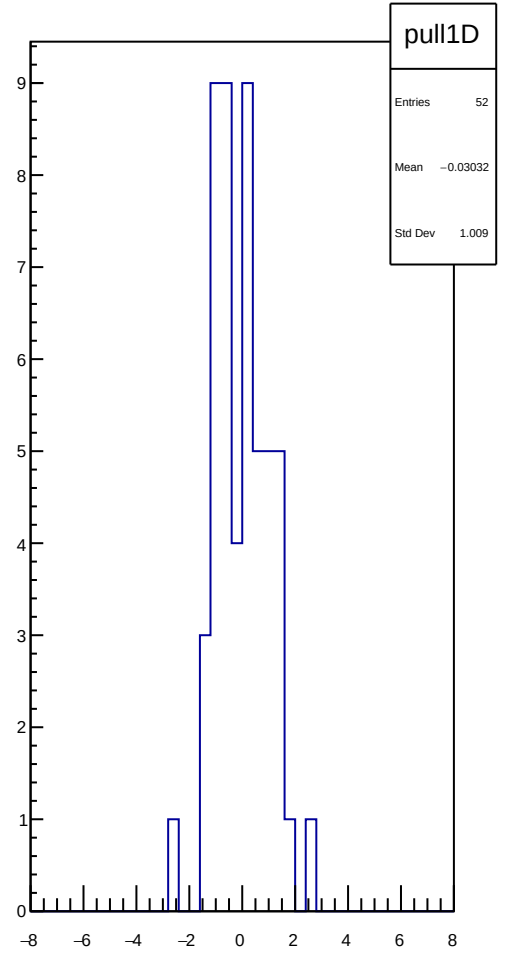

pull1D
Entries 52
Mean 0.01128
Std Dev 1.056

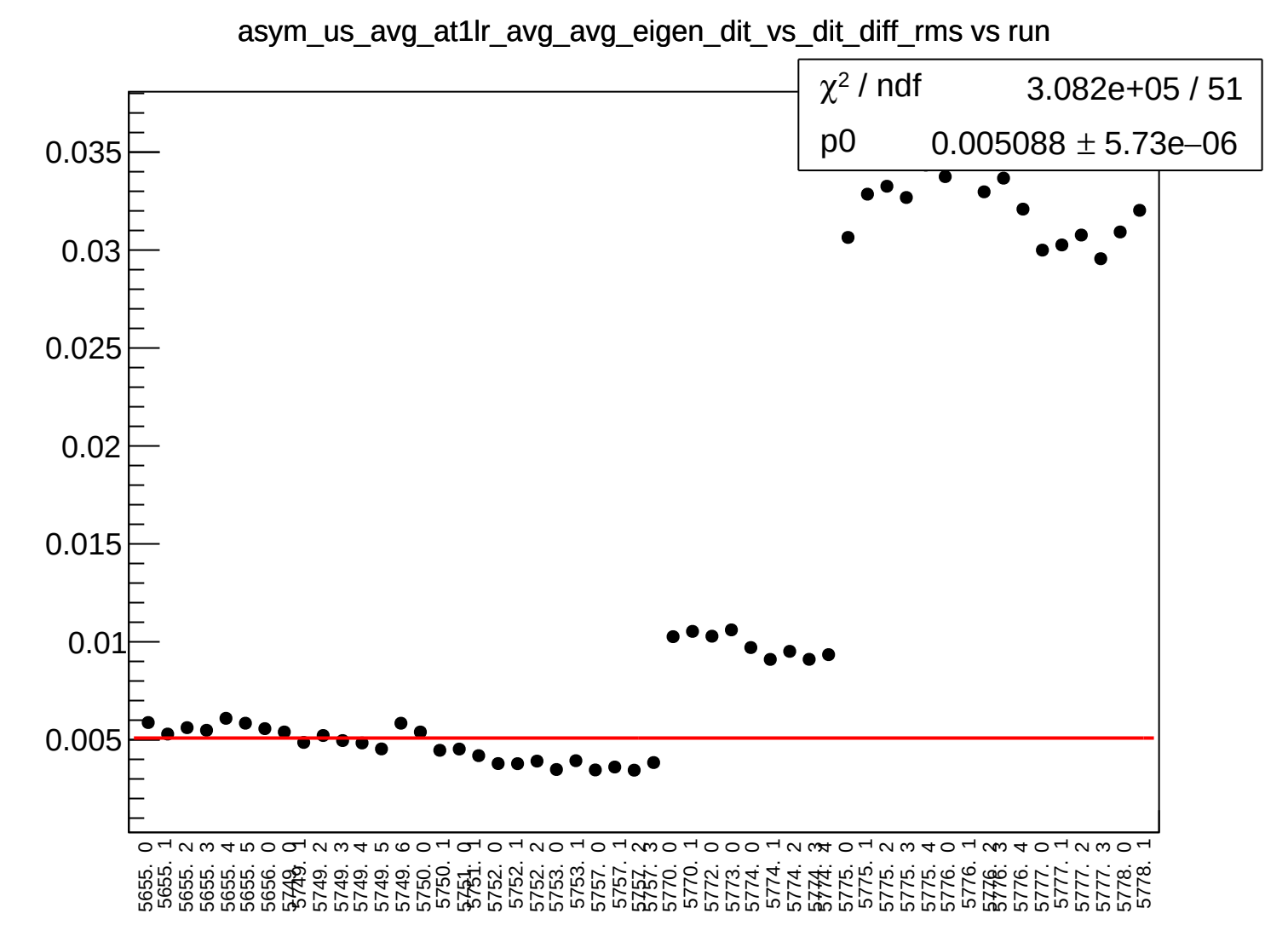

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.202e+05 / 51
p0 117.8 ± 0.1337
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.99 / 51
p0 0.01588 ± 0.189
pull
Entries 52
Mean 3.306
Std Dev 0
pull1D
Entries 52
Mean 0.01128
Std Dev 1.056


asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.202e+05 / 51
p0 117.8 ± 0.1337
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.95 / 51
p0 8.9e−06 ± 8.104e−06
pull
Entries 52
Mean 73.52
Std Dev 0


pull1D
Entries 52
Mean −0.03032
Std Dev 1.009


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.082e+05 / 51
p0 0.005088 ± 5.73e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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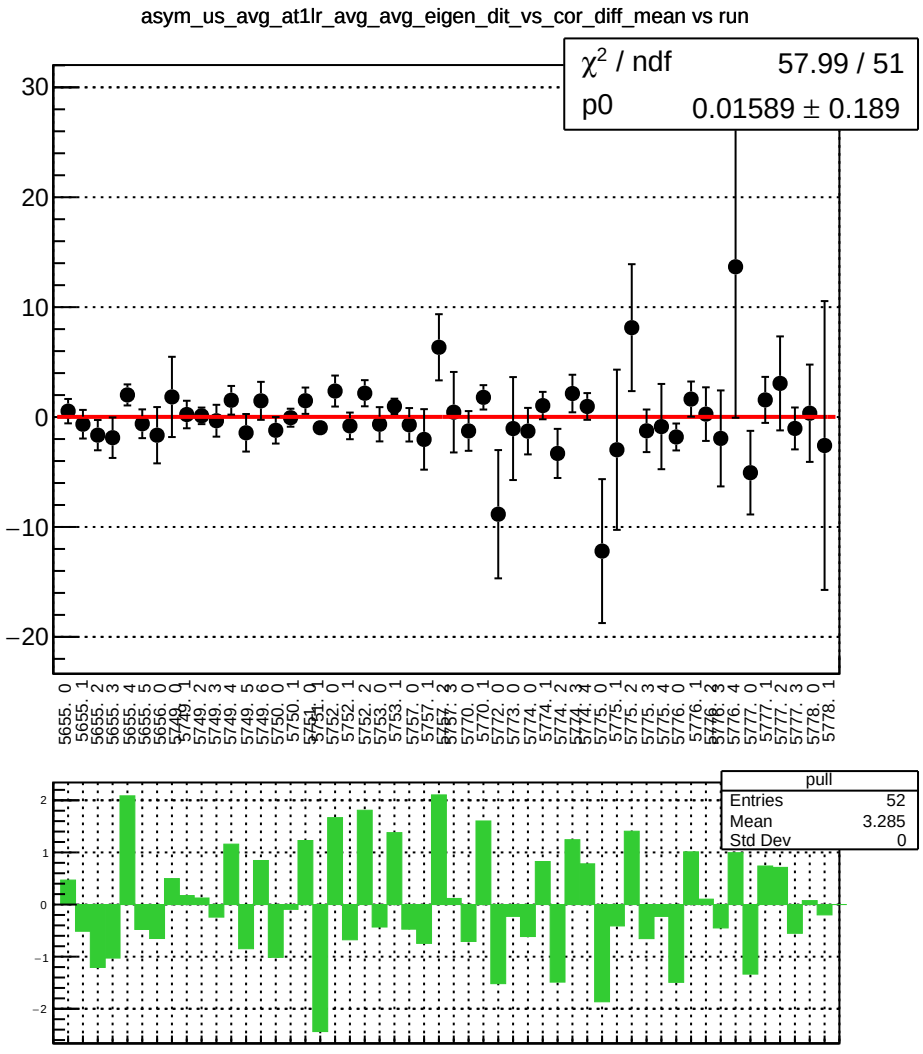
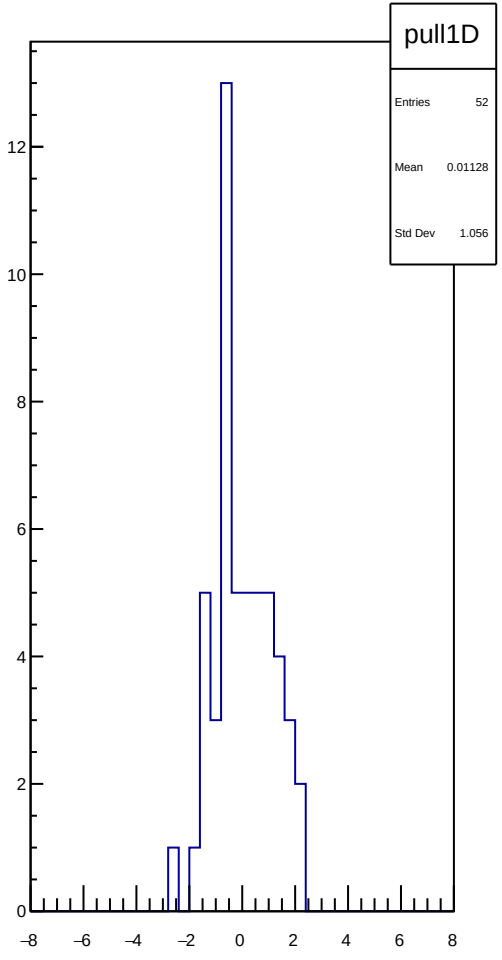
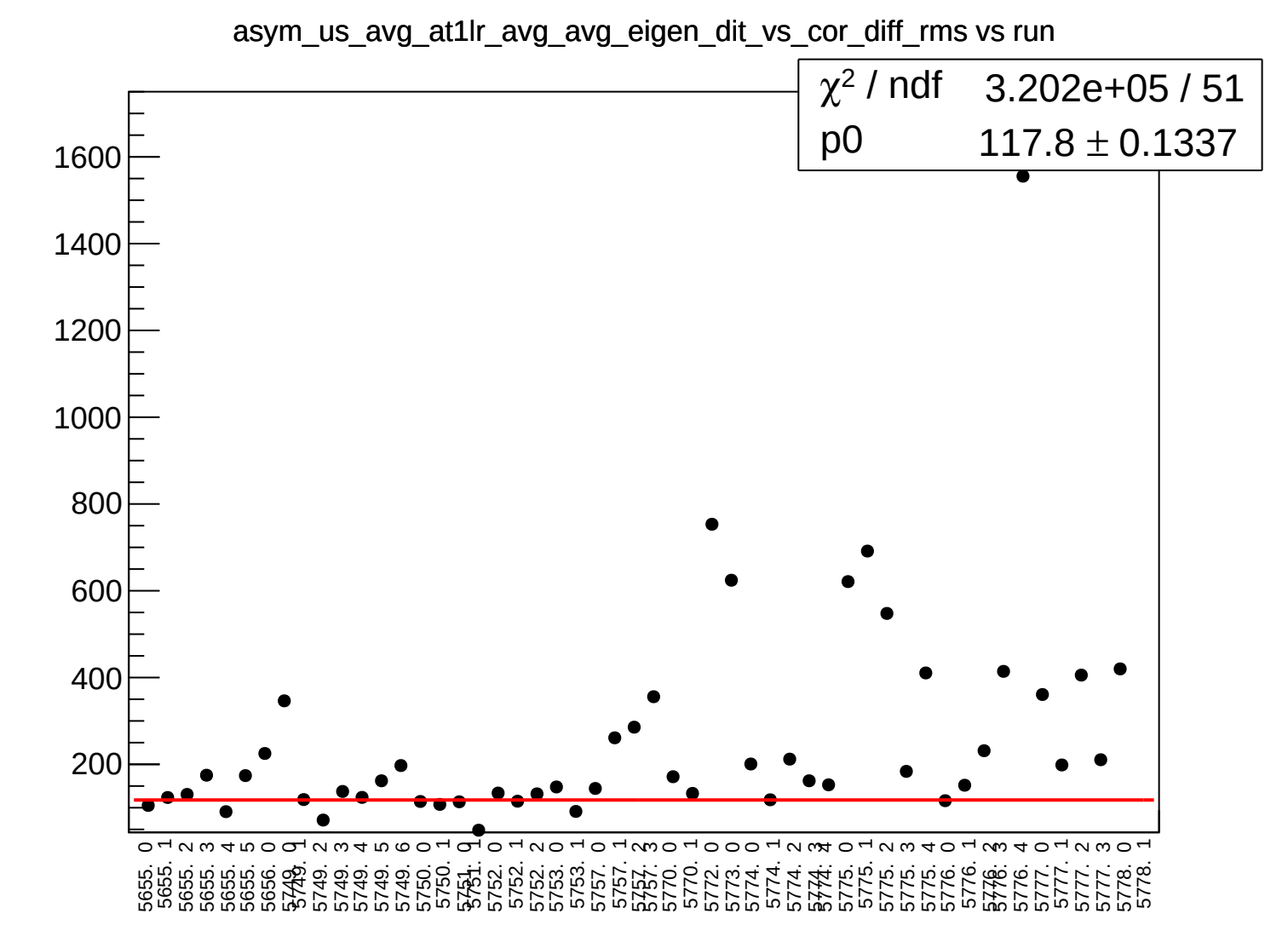
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 57.99 / 51
p0 0.01589 ± 0.189
pull
Entries 52
Mean 3.285
Std Dev 0


pull1D
Entries 52
Mean 0.01128
Std Dev 1.056


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.202e+05 / 51
p0 117.8 ± 0.1337
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 2
5776. 3
5776. 4
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5777. 1
5777. 2
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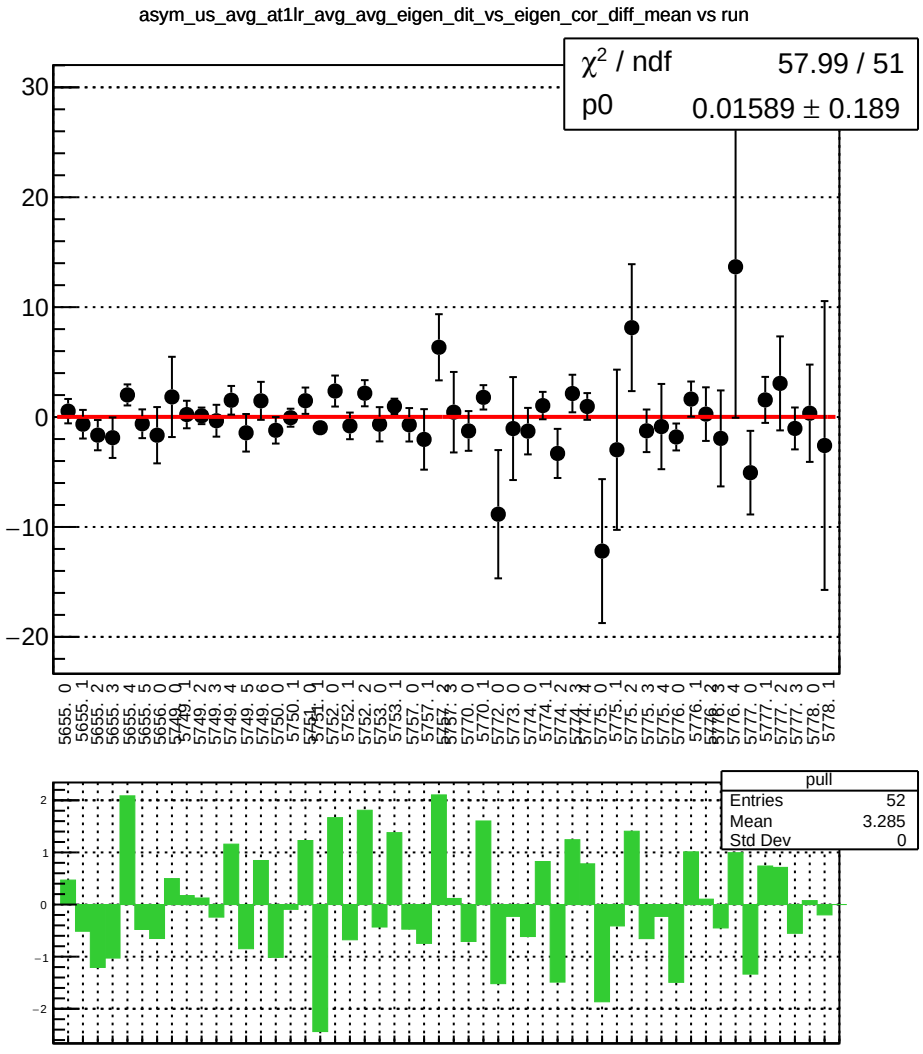
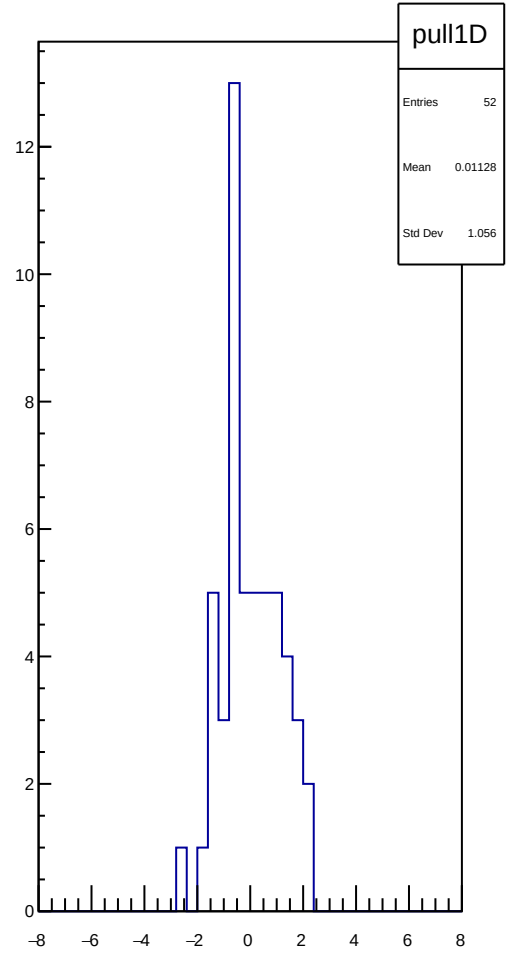
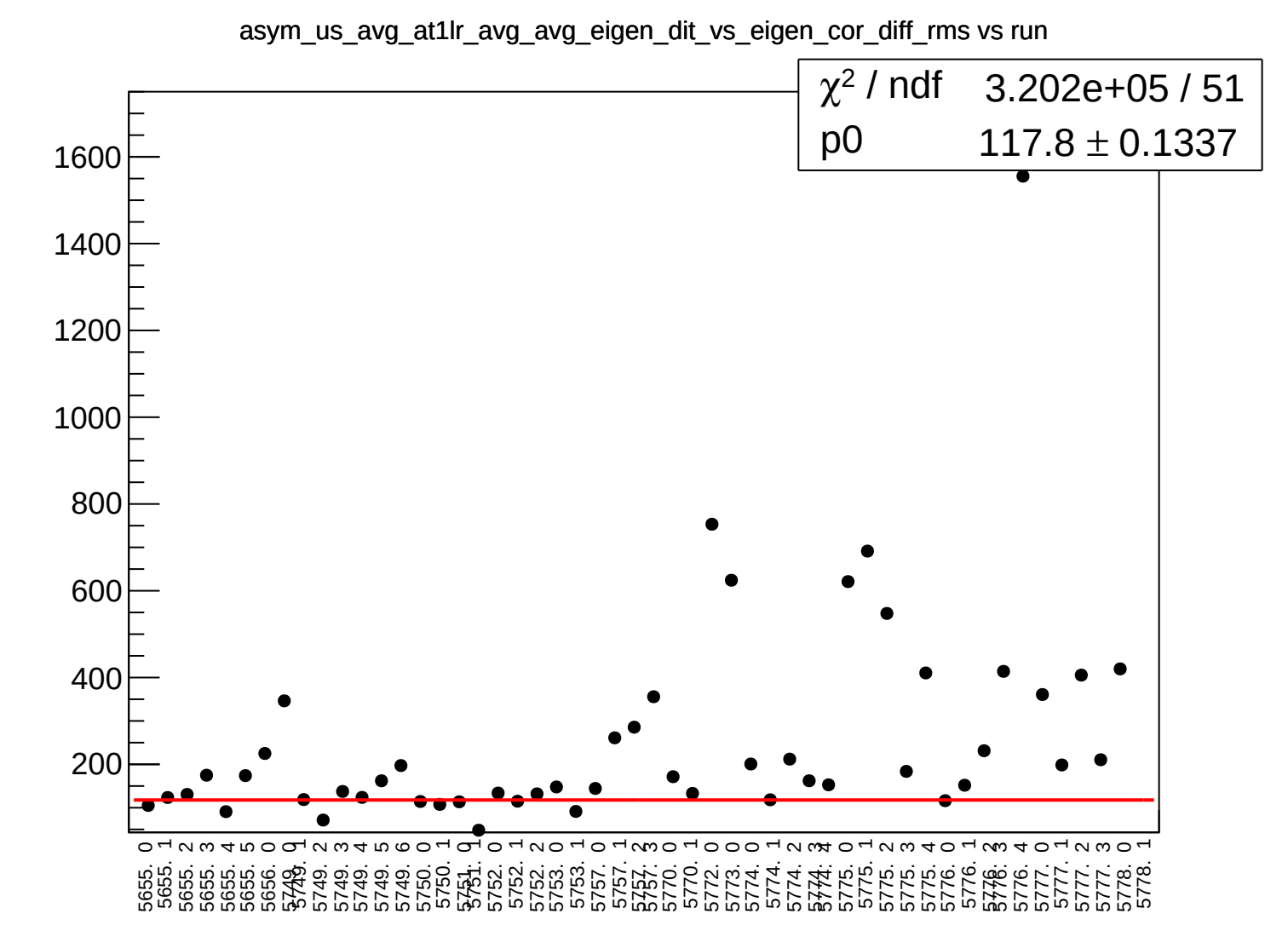
5778. 1


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.99 / 51
p0 0.01589 ± 0.189
pull
Entries 52
Mean 3.285
Std Dev 0


pull1D
Entries 52
Mean 0.01128
Std Dev 1.056


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.202e+05 / 51
p0 117.8 ± 0.1337
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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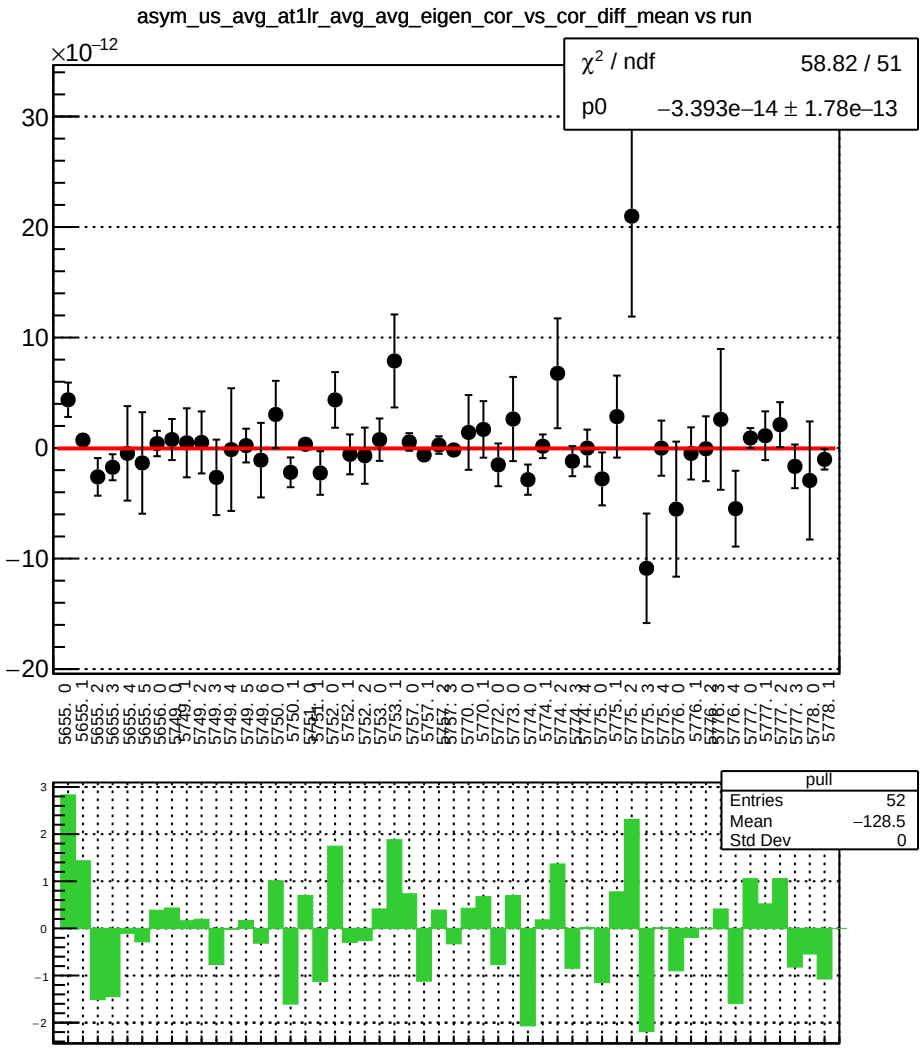
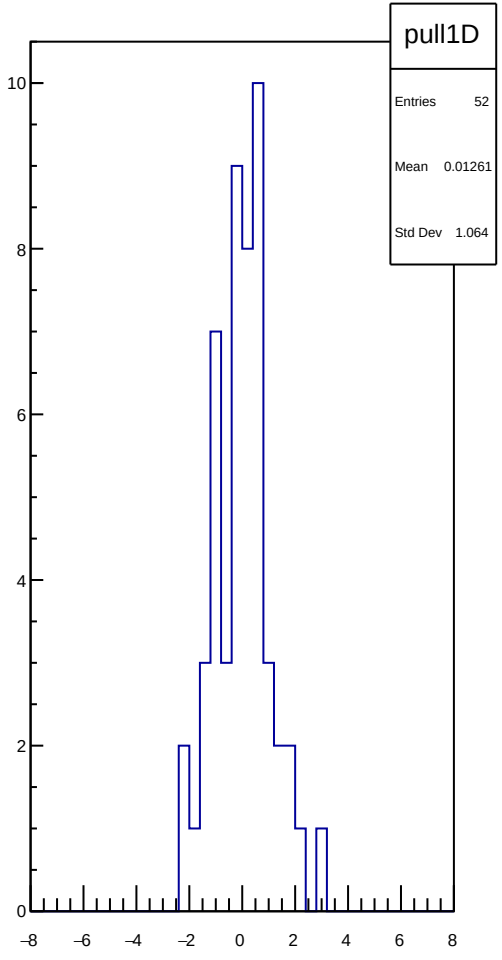
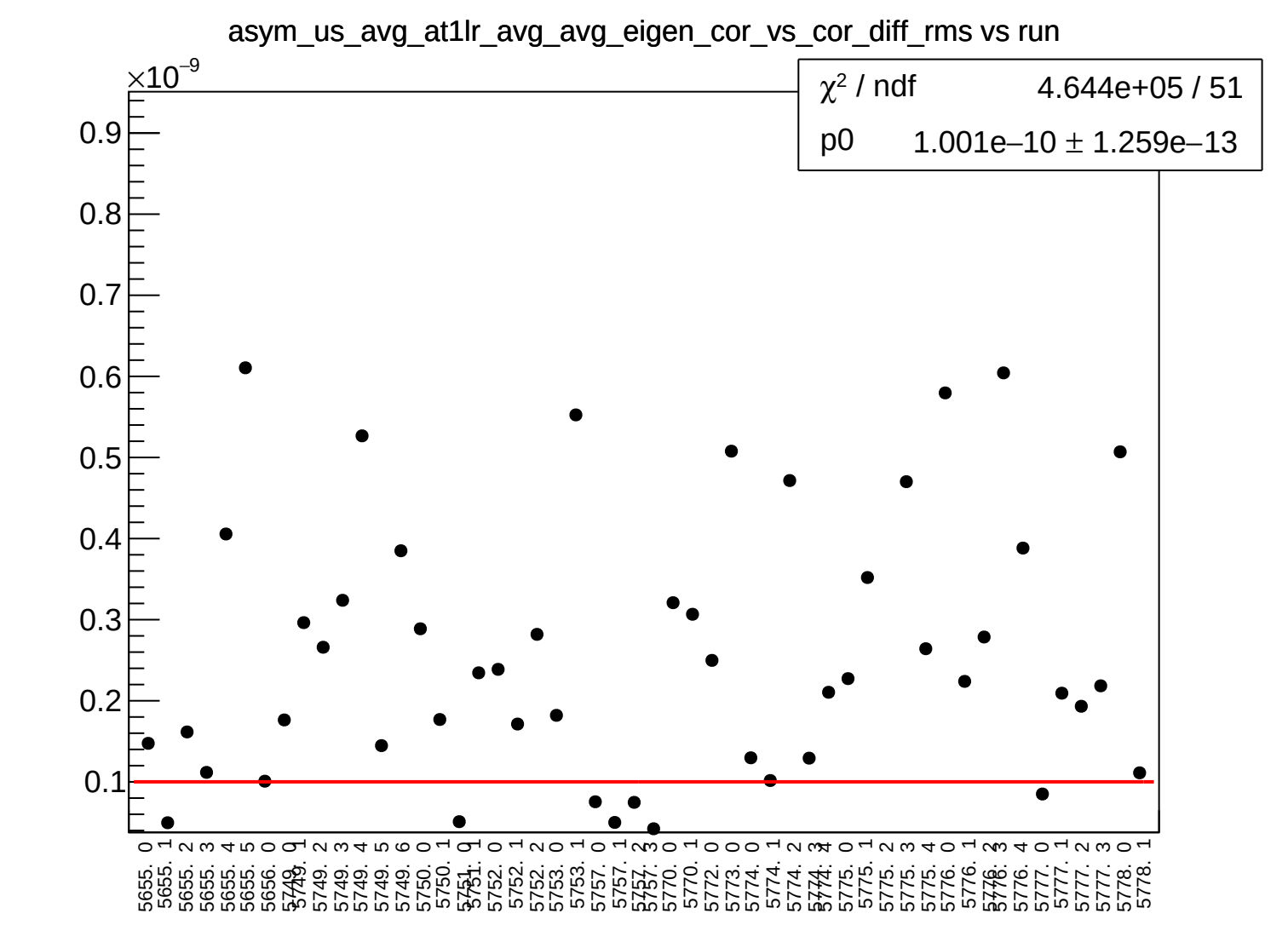
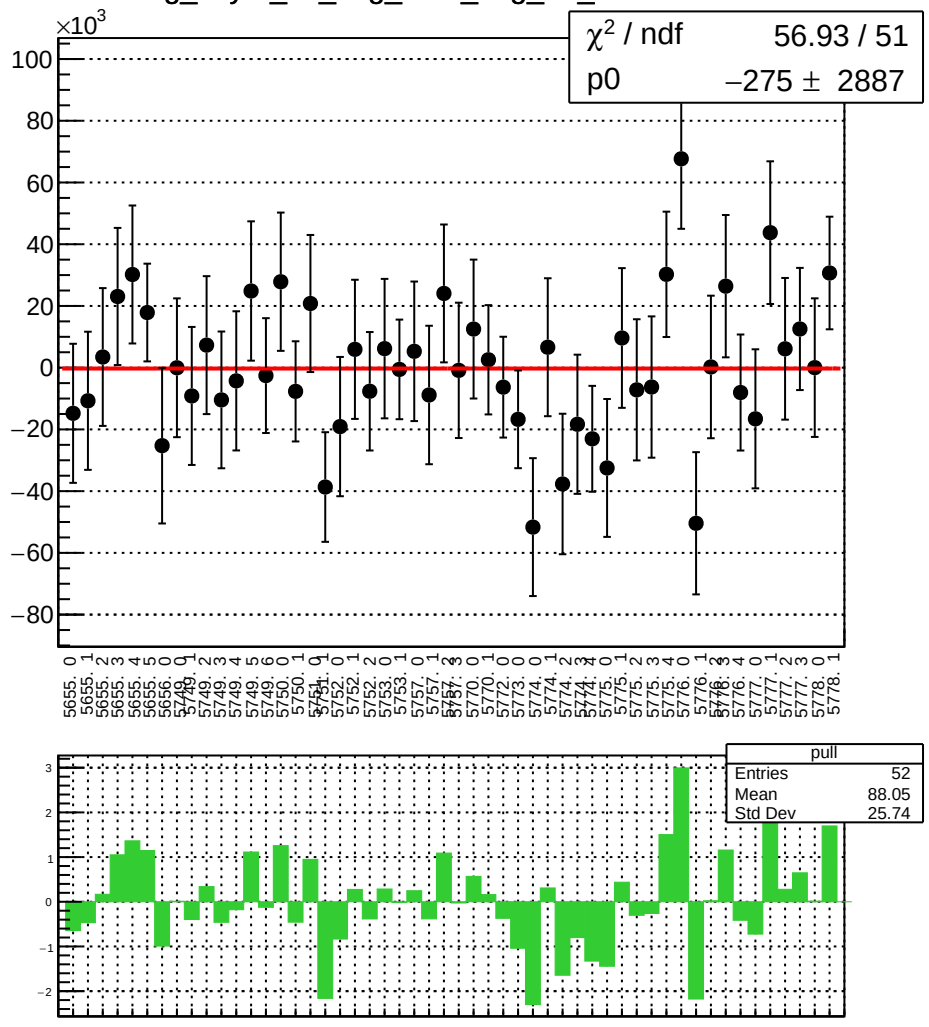
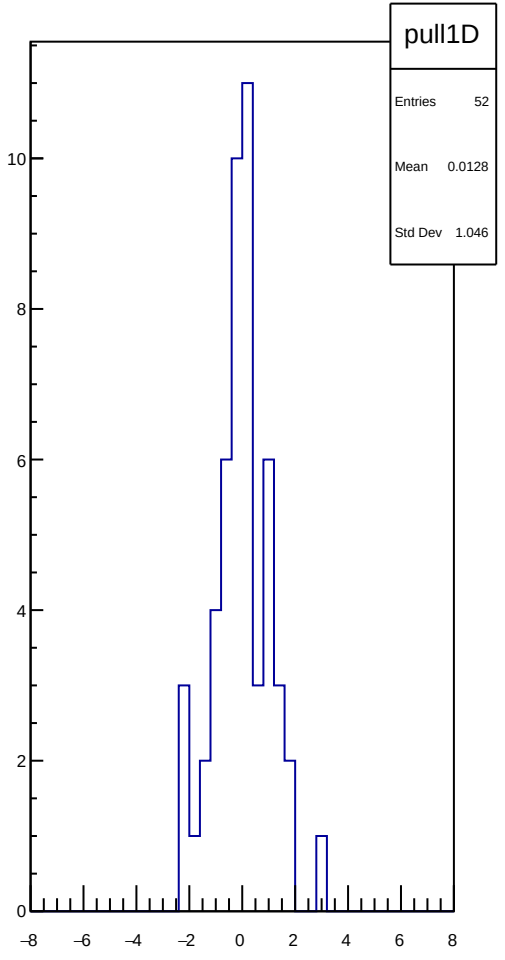
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

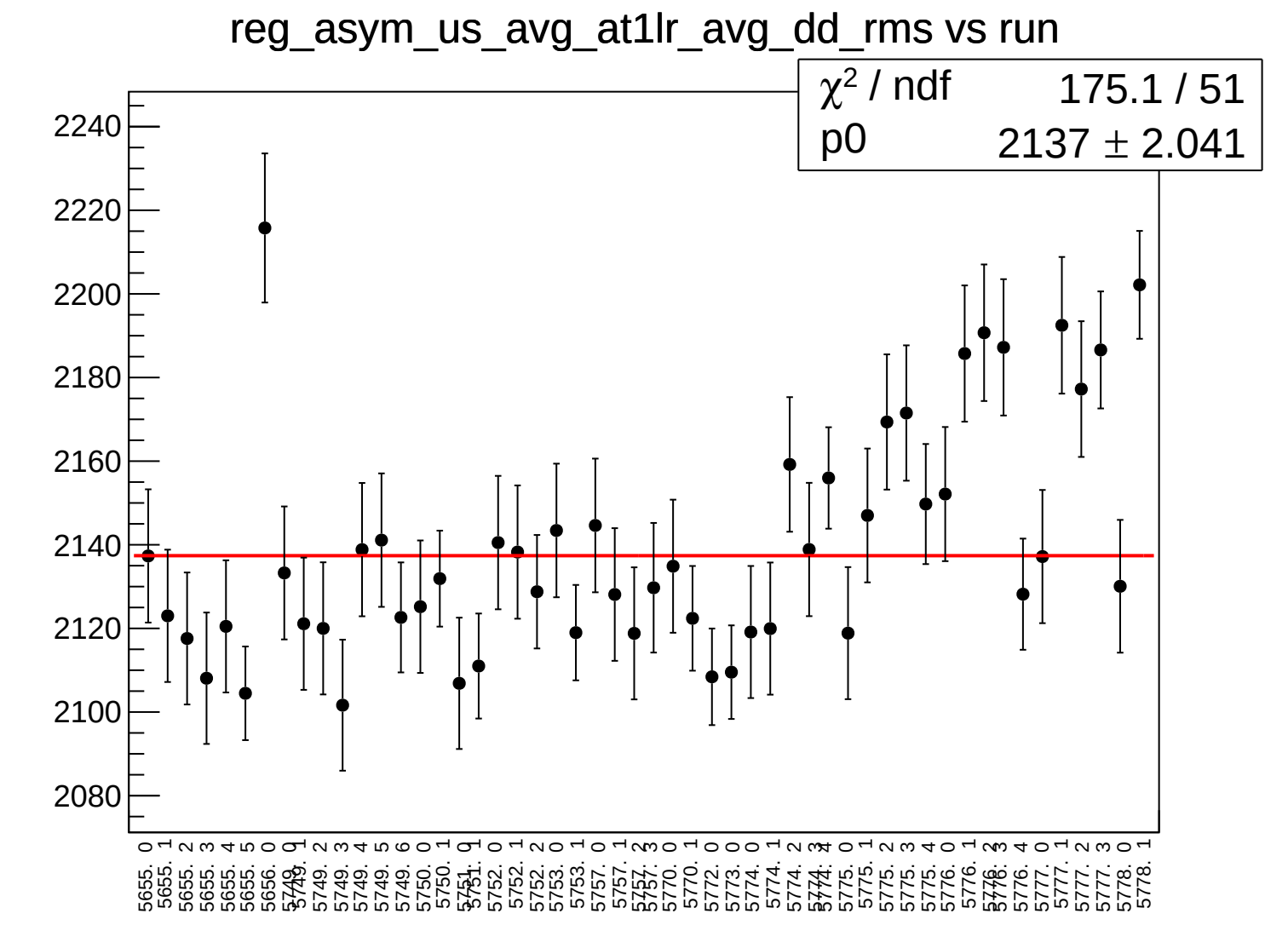

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.82 / 51
p0 −3.393e−14 ± 1.78e−13
pull
Entries 52
Mean −128.5
Std Dev 0

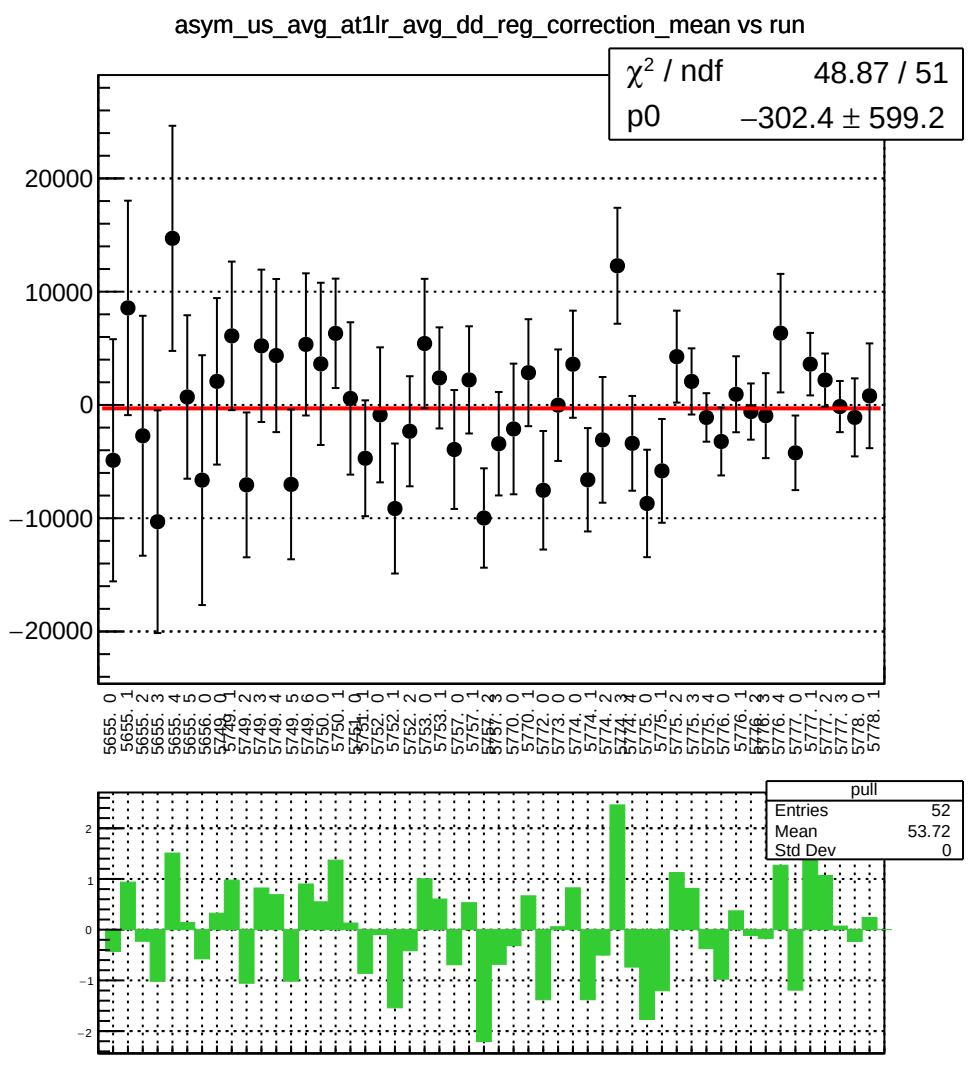

pull1D
Entries 52
Mean 0.01261
Std Dev 1.064

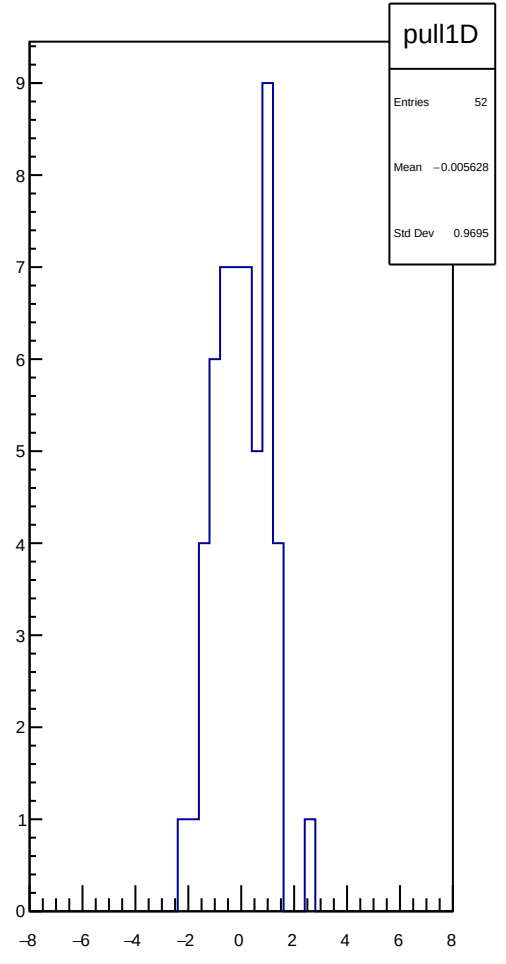

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.644e+05 / 51
p0 1.001e−10 ± 1.259e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

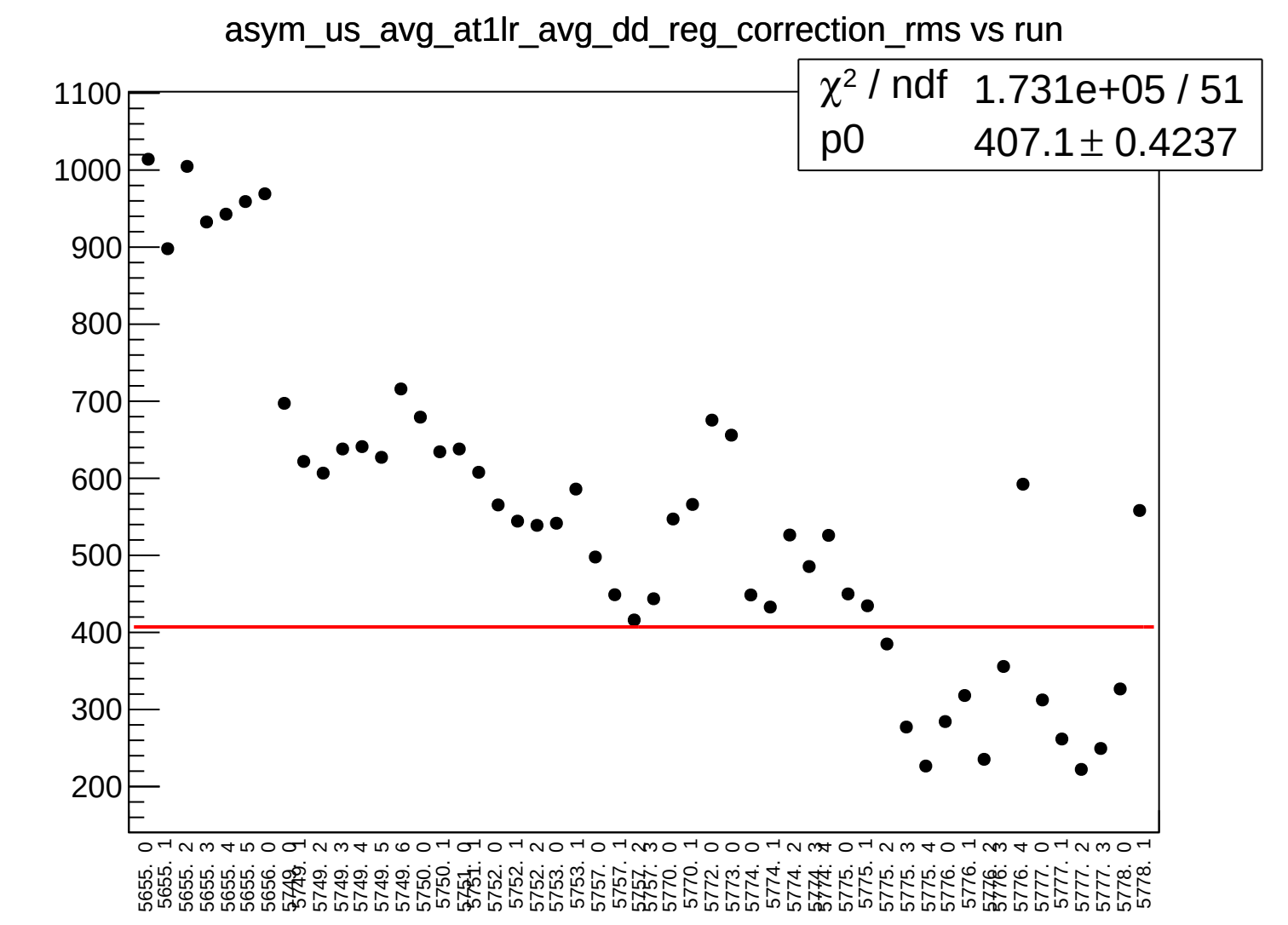

reg_asym_us_avg_at1lr_avg_dd_mean vs run
×10^3
χ² / ndf 56.93 / 51
p0 −275 ± 2887
pull
Entries 52
Mean 88.05
Std Dev 25.74

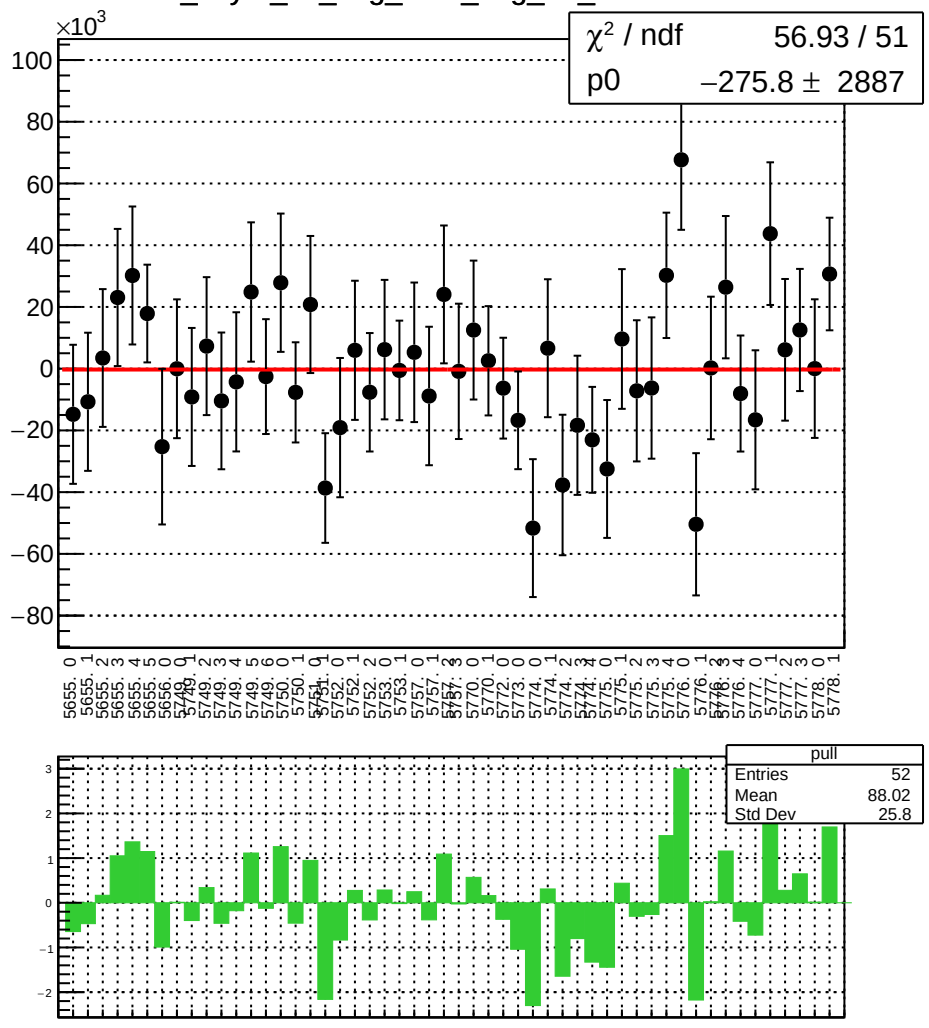

pull1D
Entries 52
Mean 0.0128
Std Dev 1.046

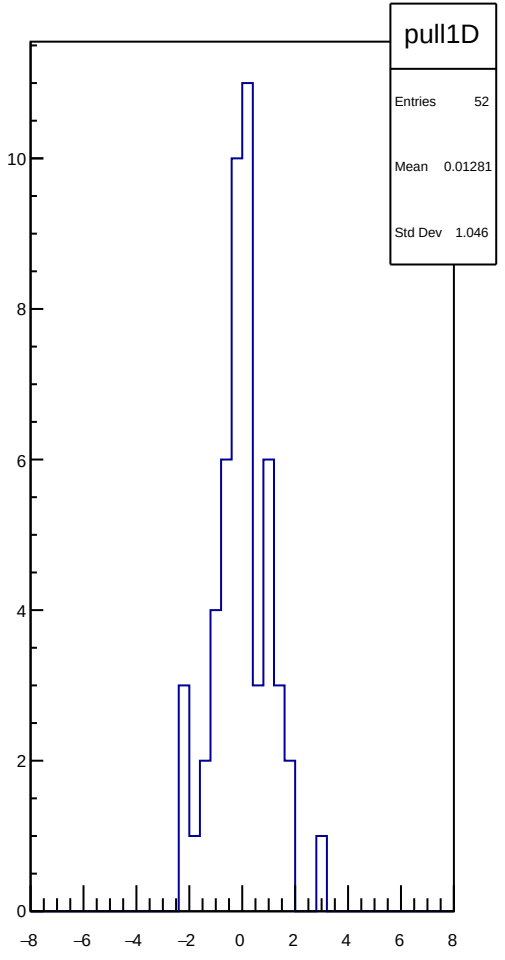

reg_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 175.1 / 51
p0 2137 ± 2.041
2240
2220
2200
2180
2160
2140
2120
2100
2080
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

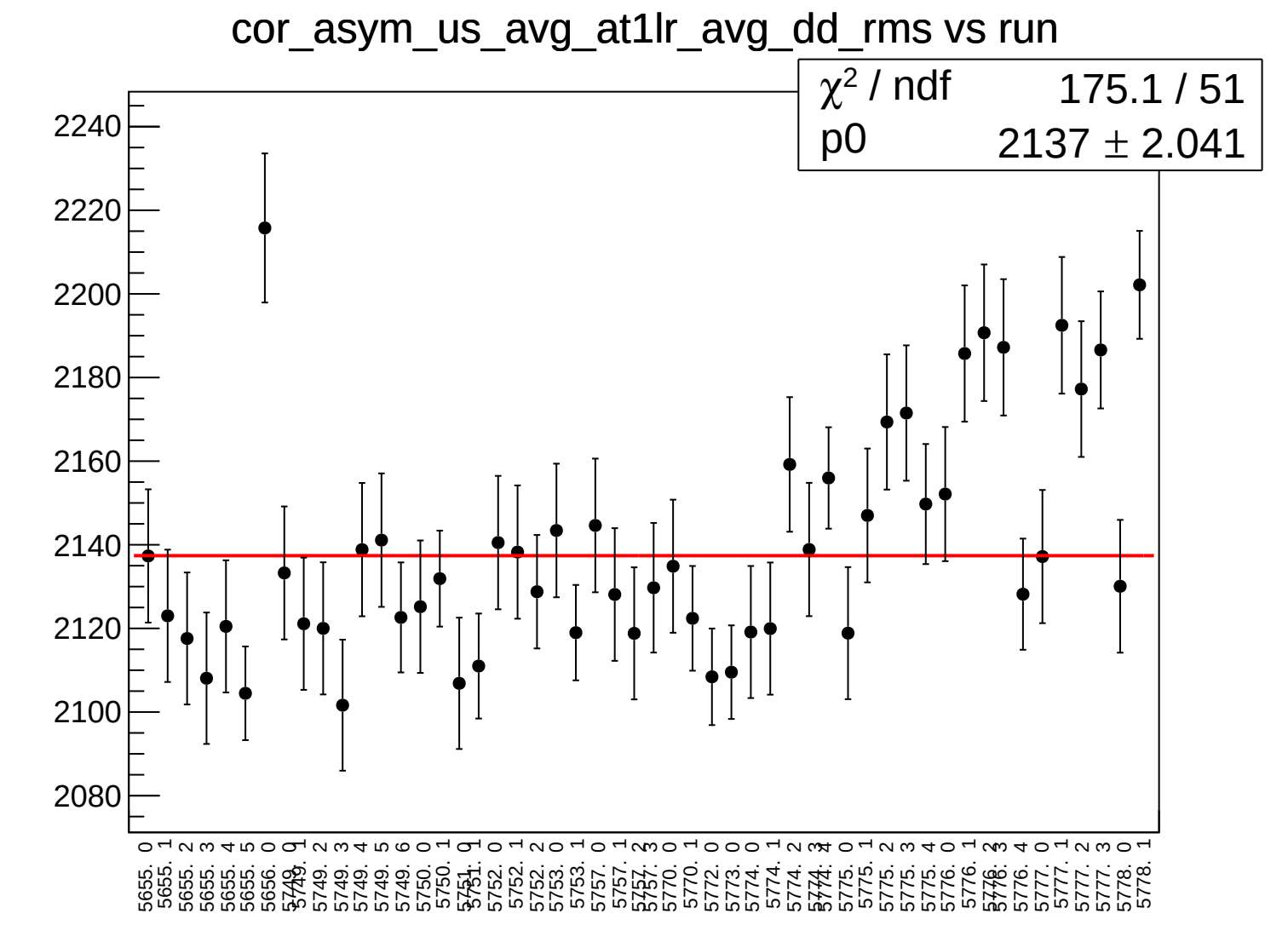

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs run
χ² / ndf 48.87 / 51
p0 −302.4 ± 599.2
20000
10000
0
−10000
−20000
pull
Entries 52
Mean 53.72
Std Dev 0
2
1
0
−1
−2

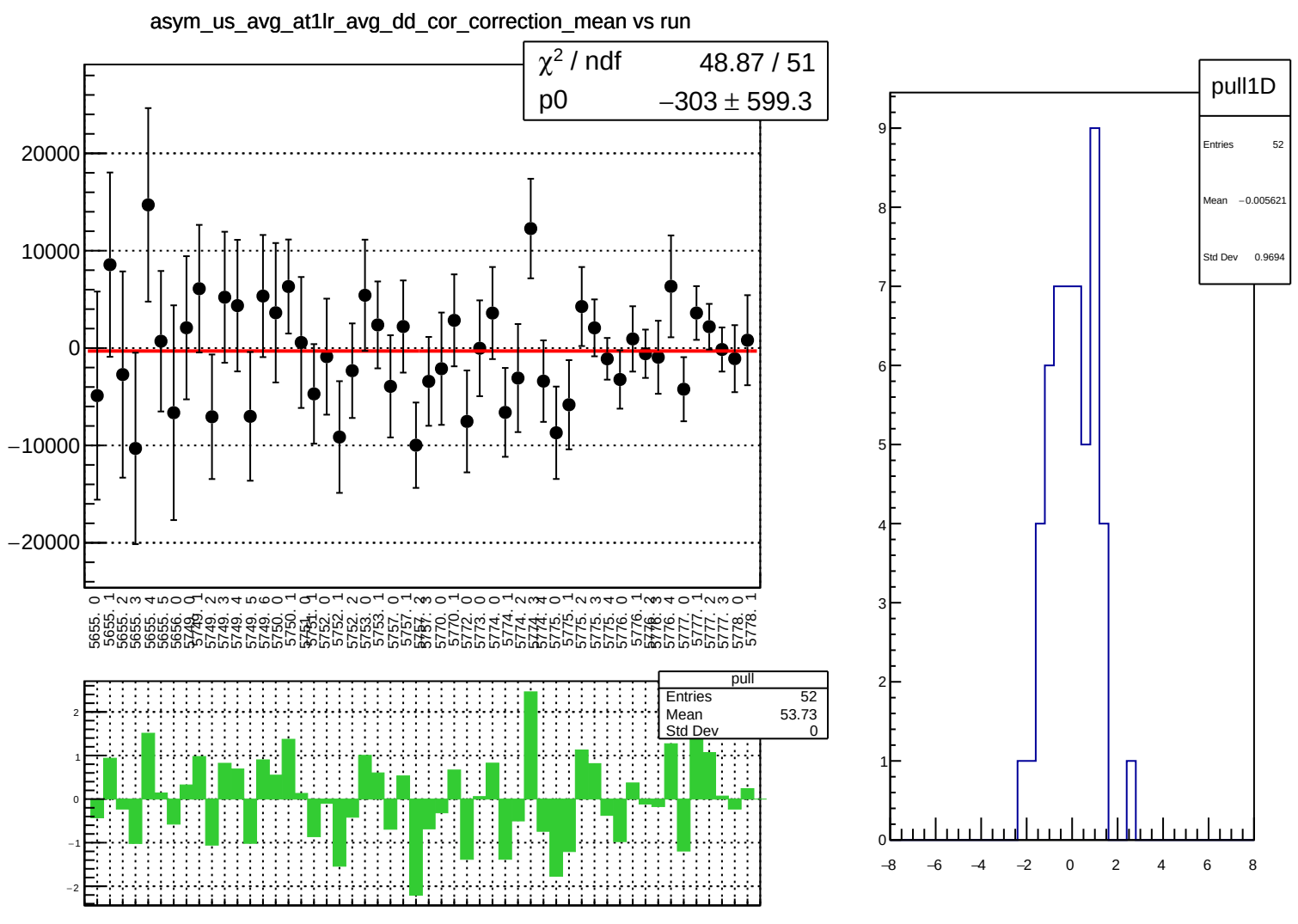

pull1D
Entries 52
Mean −0.005628
Std Dev 0.9695
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

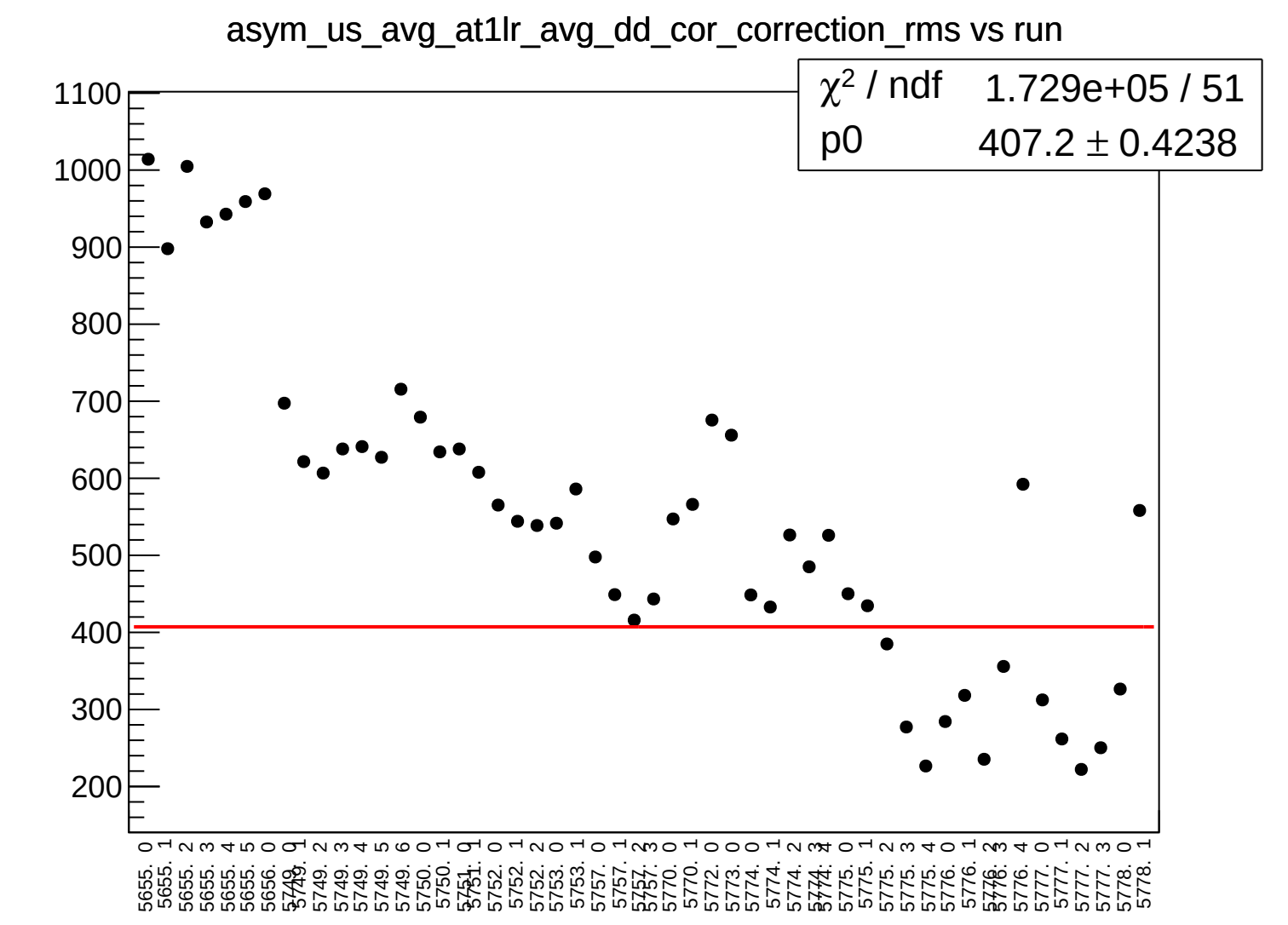

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs run
χ² / ndf 1.731e+05 / 51
p0 407.1 ± 0.4237
1100
1000
900
800
700
600
500
400
300
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

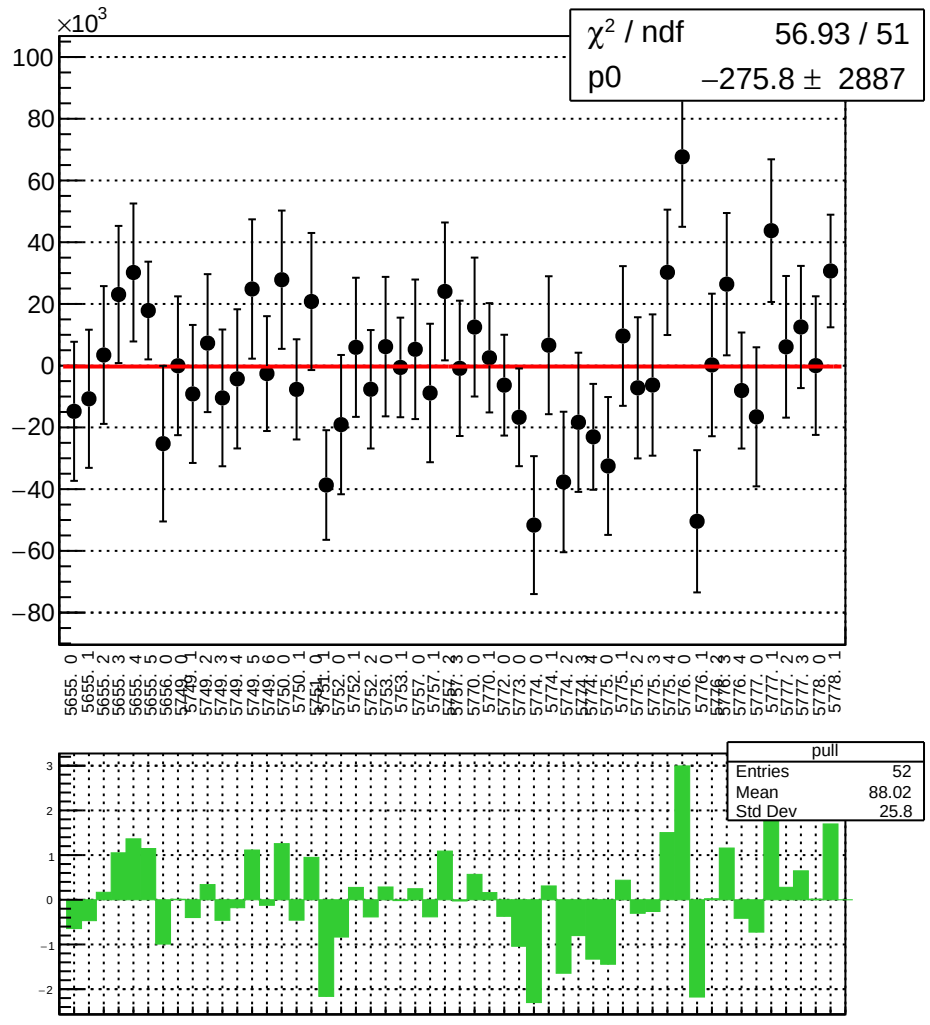

cor_asym_us_avg_at1lr_avg_dd_mean vs run
×10^3
χ² / ndf 56.93 / 51
p0 −275.8 ± 2887
pull
Entries 52
Mean 88.02
Std Dev 25.8

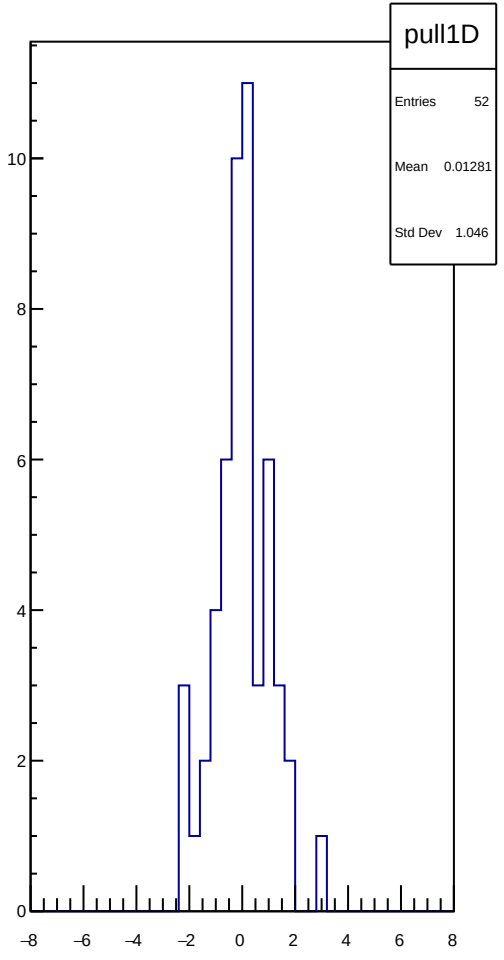

pull1D
Entries 52
Mean 0.01281
Std Dev 1.046

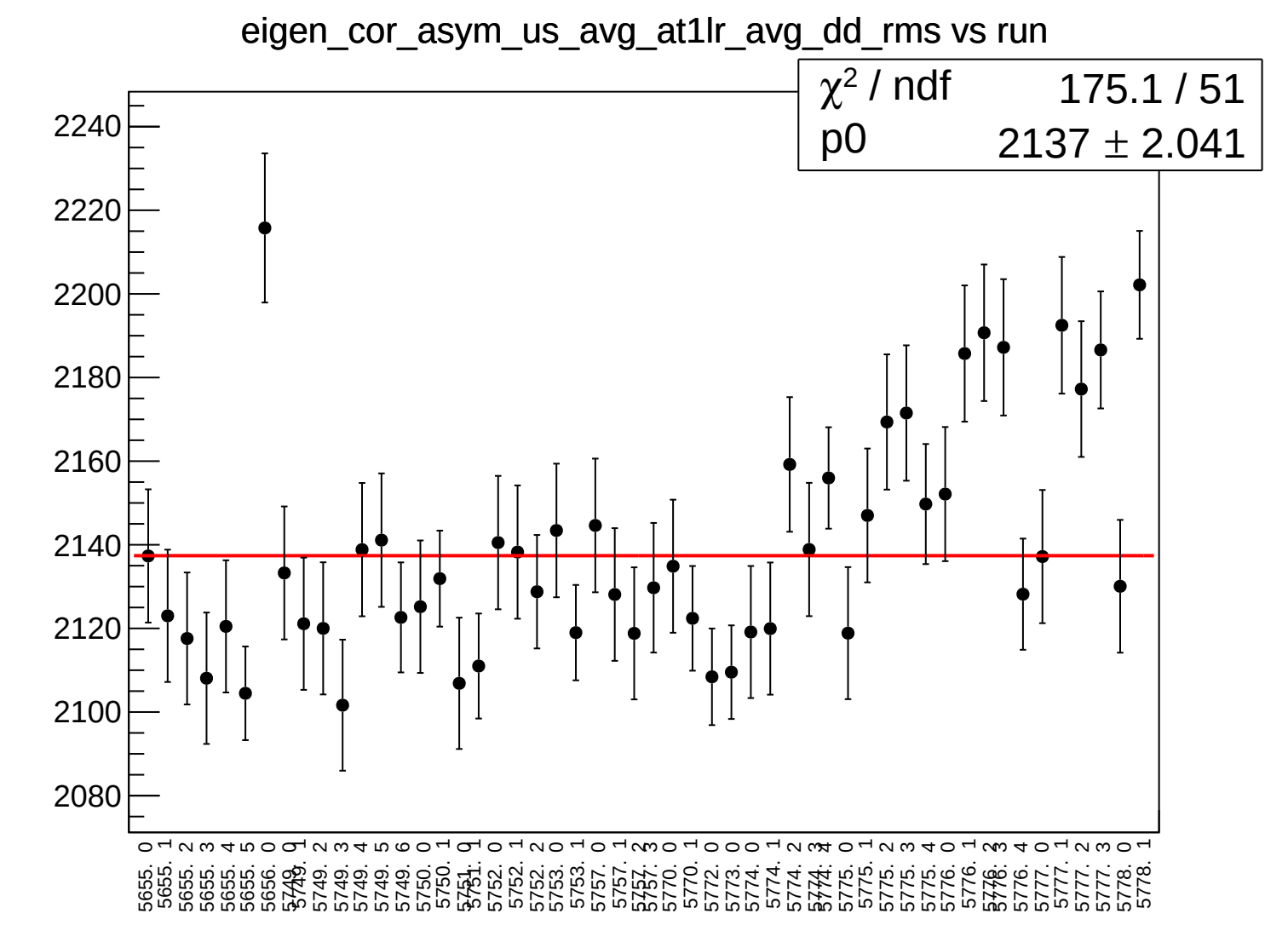

cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 175.1 / 51
p0 2137 ± 2.041
2240
2220
2200
2180
2160
2140
2120
2100
2080
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_avg_at1lr_avg_dd_cor_correction_mean vs run
χ² / ndf 48.87 / 51
p0 −303 ± 599.3
20000
10000
0
−10000
−20000
pull
Entries 52
Mean 53.73
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 52
Mean −0.005621
Std Dev 0.9694
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_at1lr_avg_dd_cor_correction_rms vs run
χ² / ndf 1.729e+05 / 51
p0 407.2 ± 0.4238
1100
1000
900
800
700
600
500
400
300
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs run
×10^3
χ² / ndf 56.93 / 51
p0 −275.8 ± 2887
pull
Entries 52
Mean 88.02
Std Dev 25.8


pull1D
Entries 52
Mean 0.01281
Std Dev 1.046


eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 175.1 / 51
p0 2137 ± 2.041
2240
2220
2200
2180
2160
2140
2120
2100
2080
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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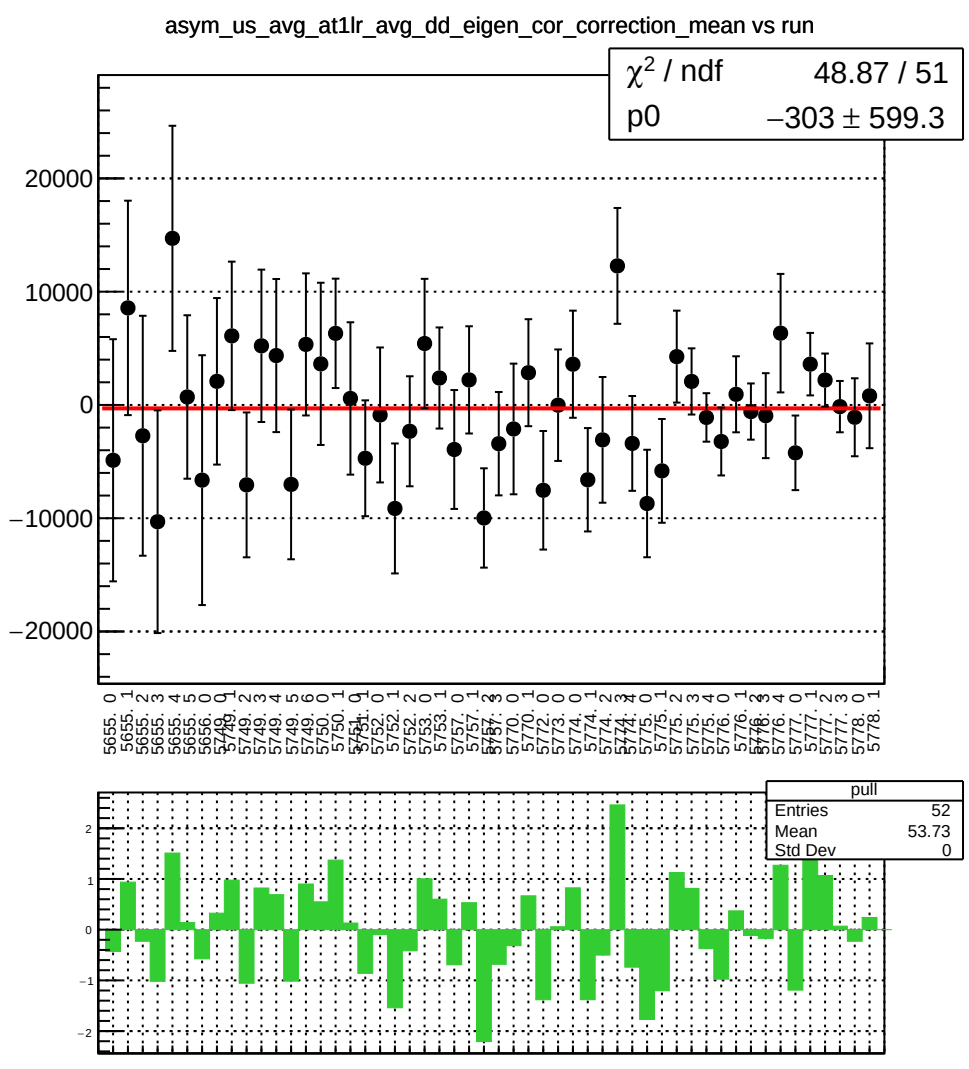
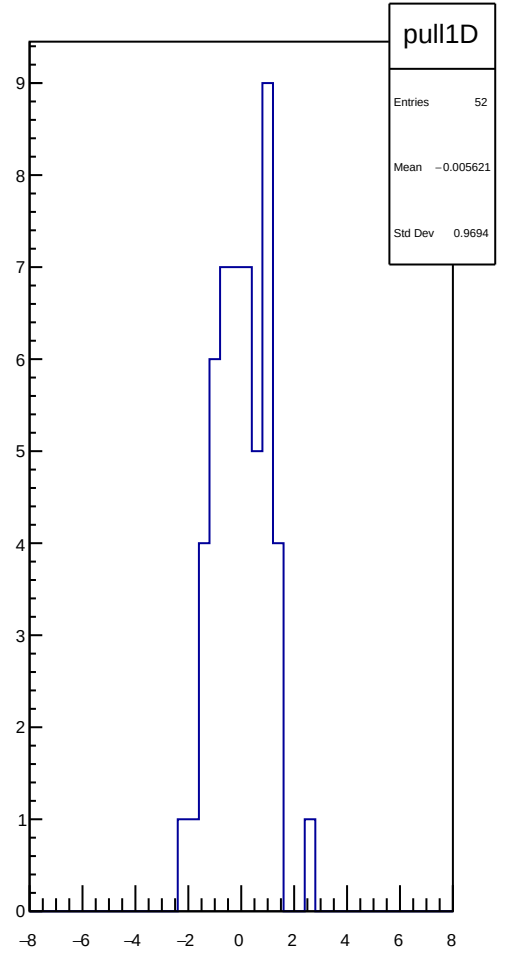
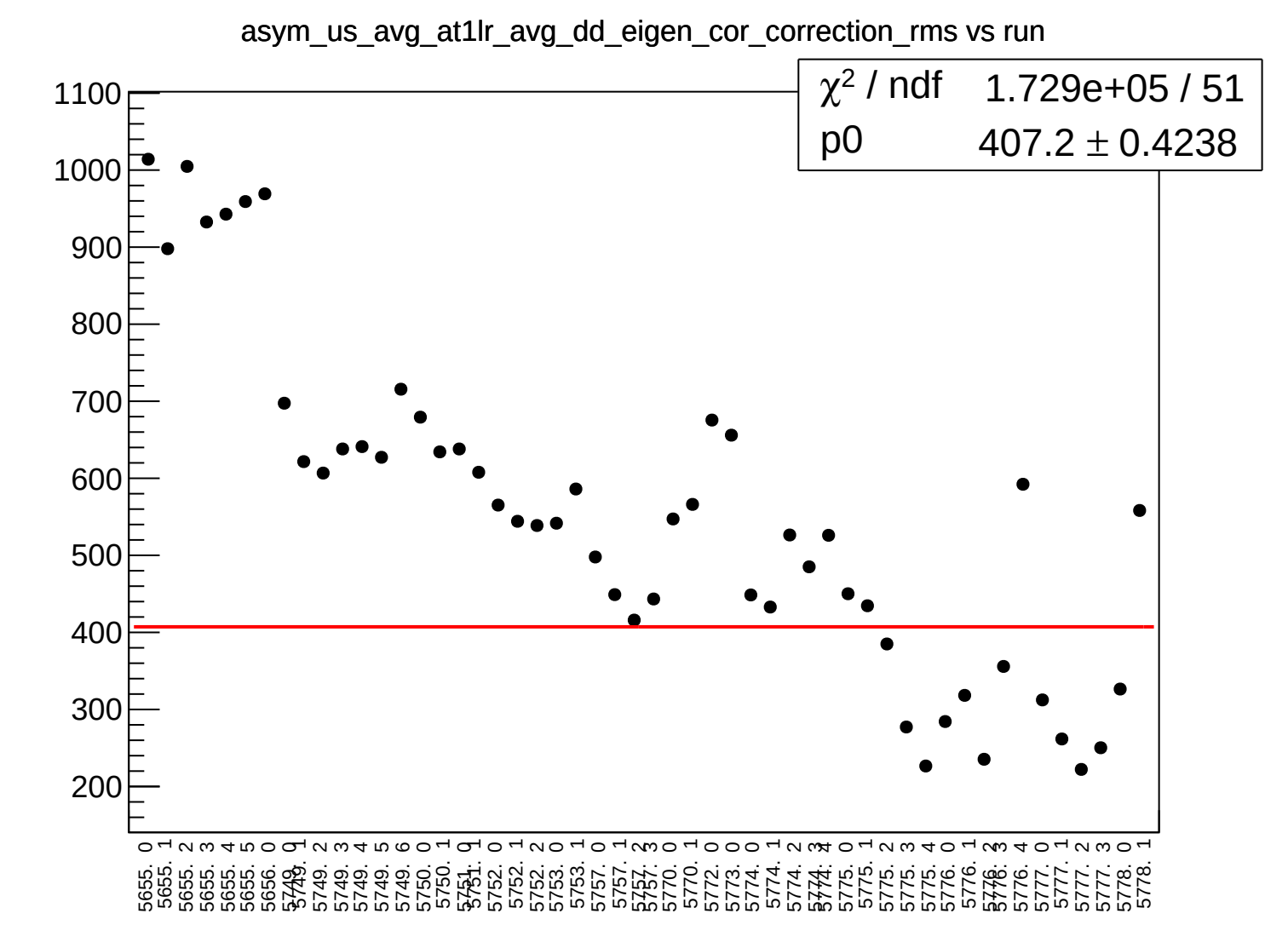
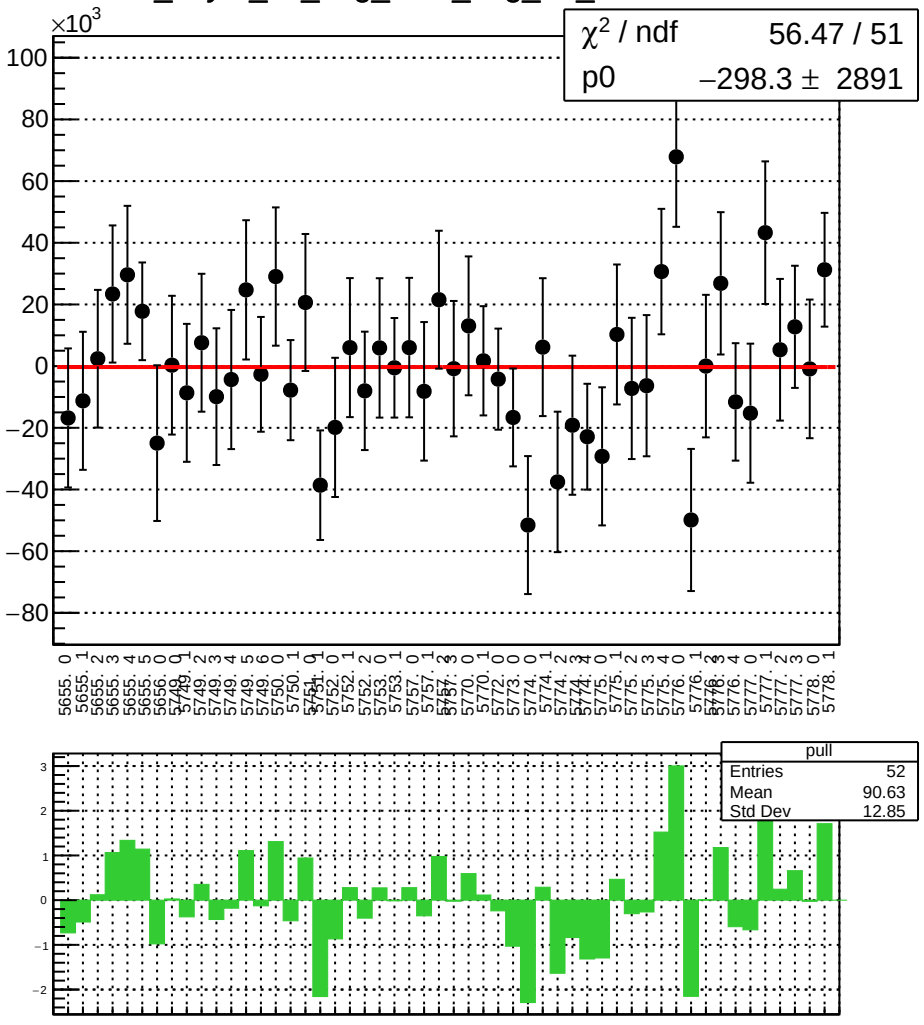
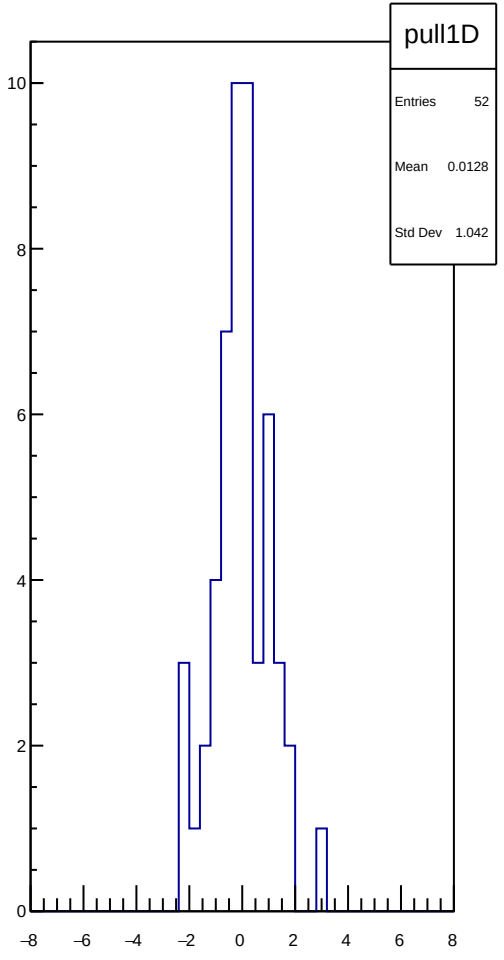
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

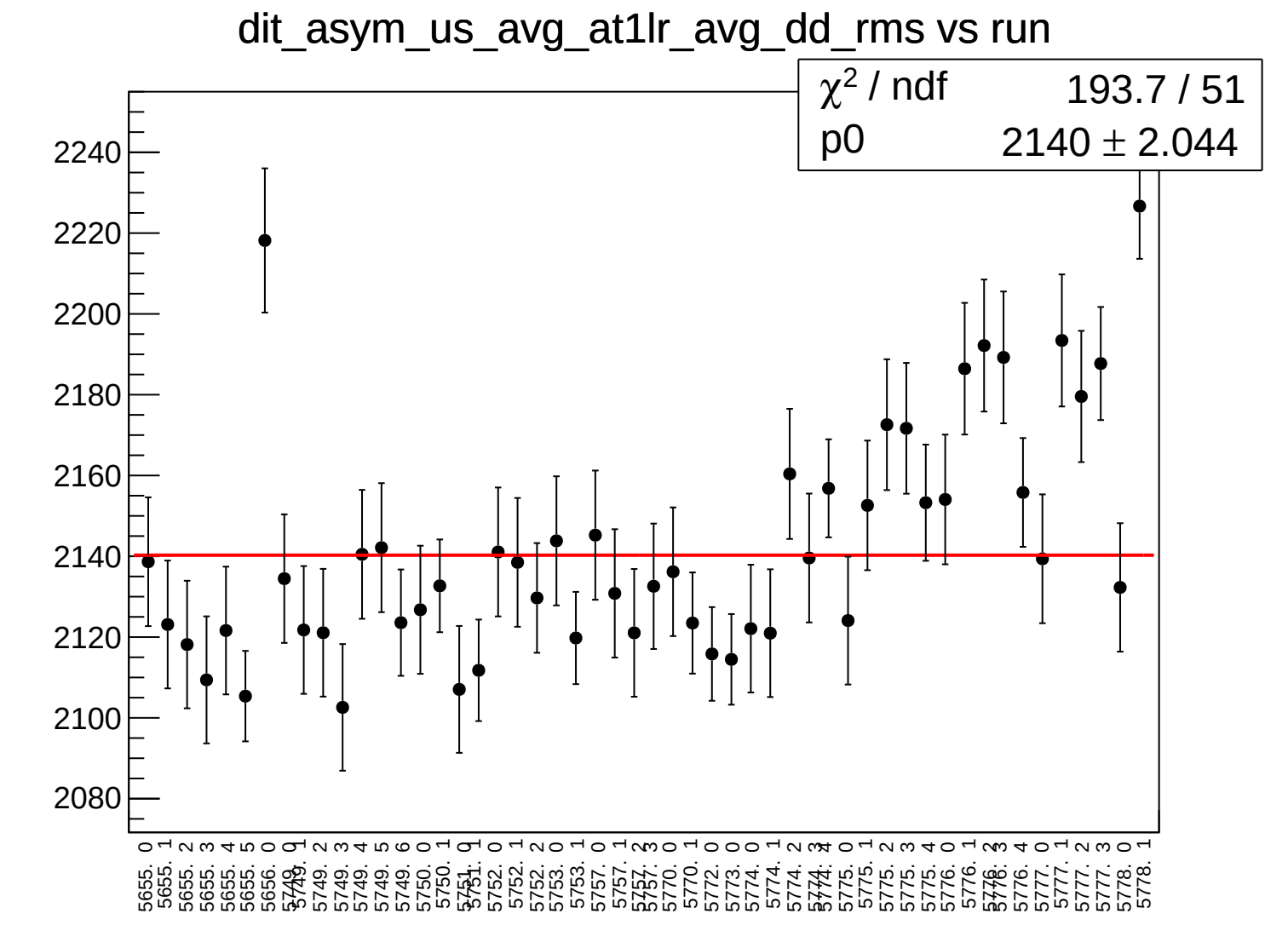

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 48.87 / 51
p0 −303 ± 599.3
20000
10000
0
−10000
−20000
pull
Entries 52
Mean 53.73
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.005621
Std Dev 0.9694
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.729e+05 / 51
p0 407.2 ± 0.4238
1100
1000
900
800
700
600
500
400
300
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 56.47 / 51
p0 −298.3 ± 2891
×10³
pull
Entries 52
Mean 90.63
Std Dev 12.85


pull1D
Entries 52
Mean 0.0128
Std Dev 1.042


dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 193.7 / 51
p0 2140 ± 2.044
2240
2220
2200
2180
2160
2140
2120
2100
2080
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5750. 1
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5751. 1
5752. 0
5752. 1
5752. 2
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5753. 1
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5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
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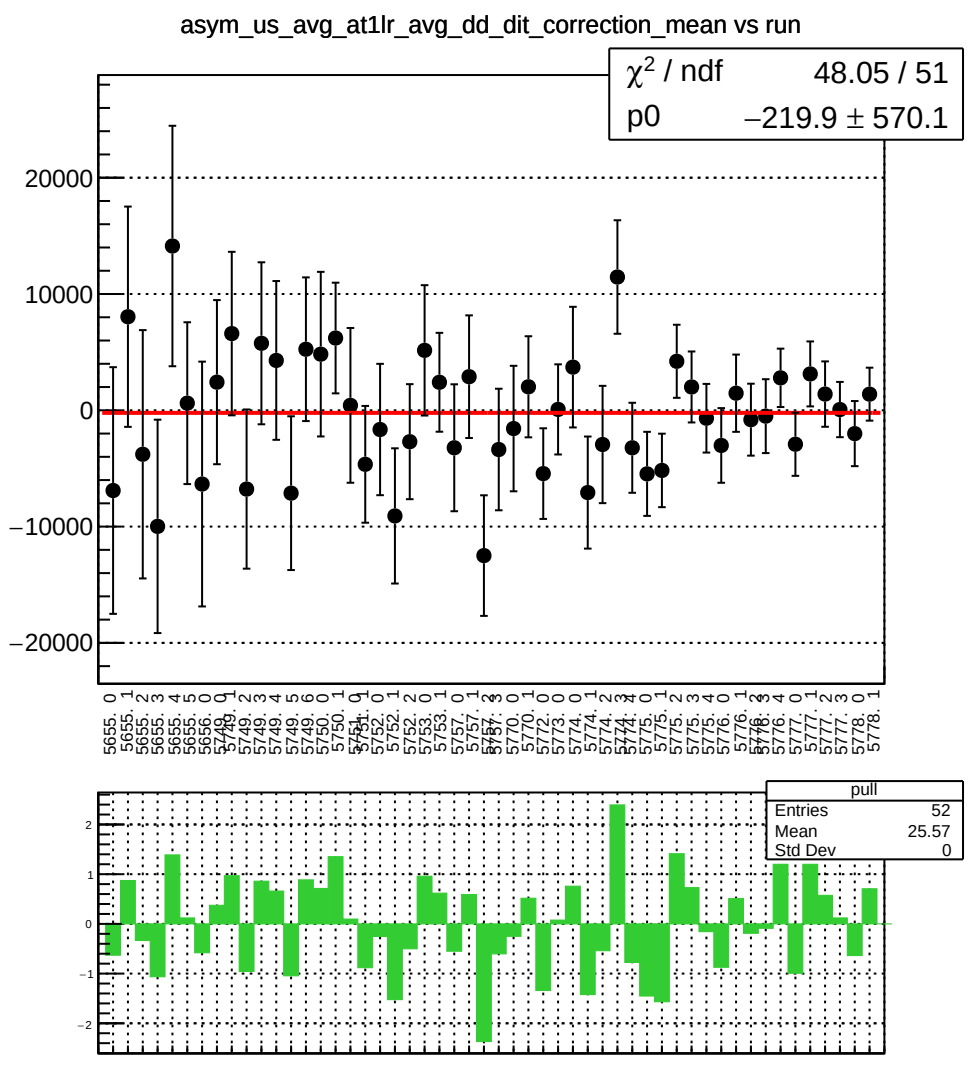
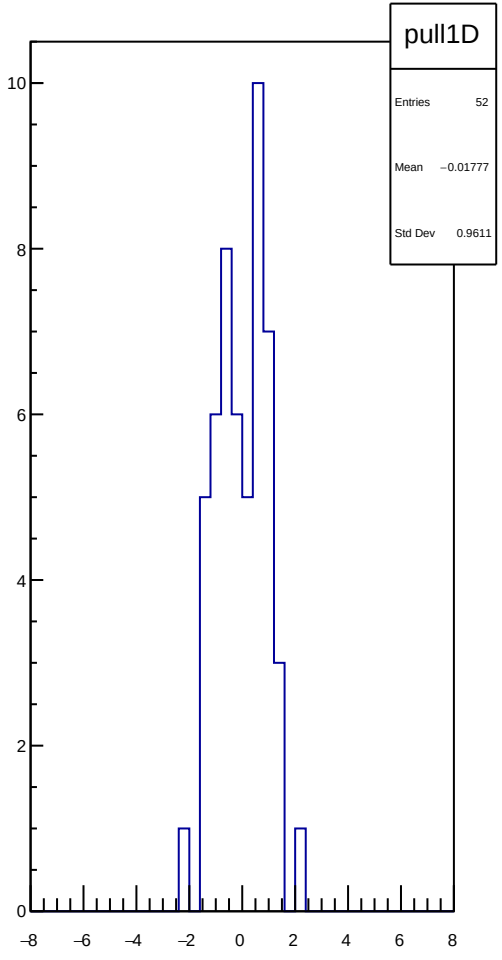
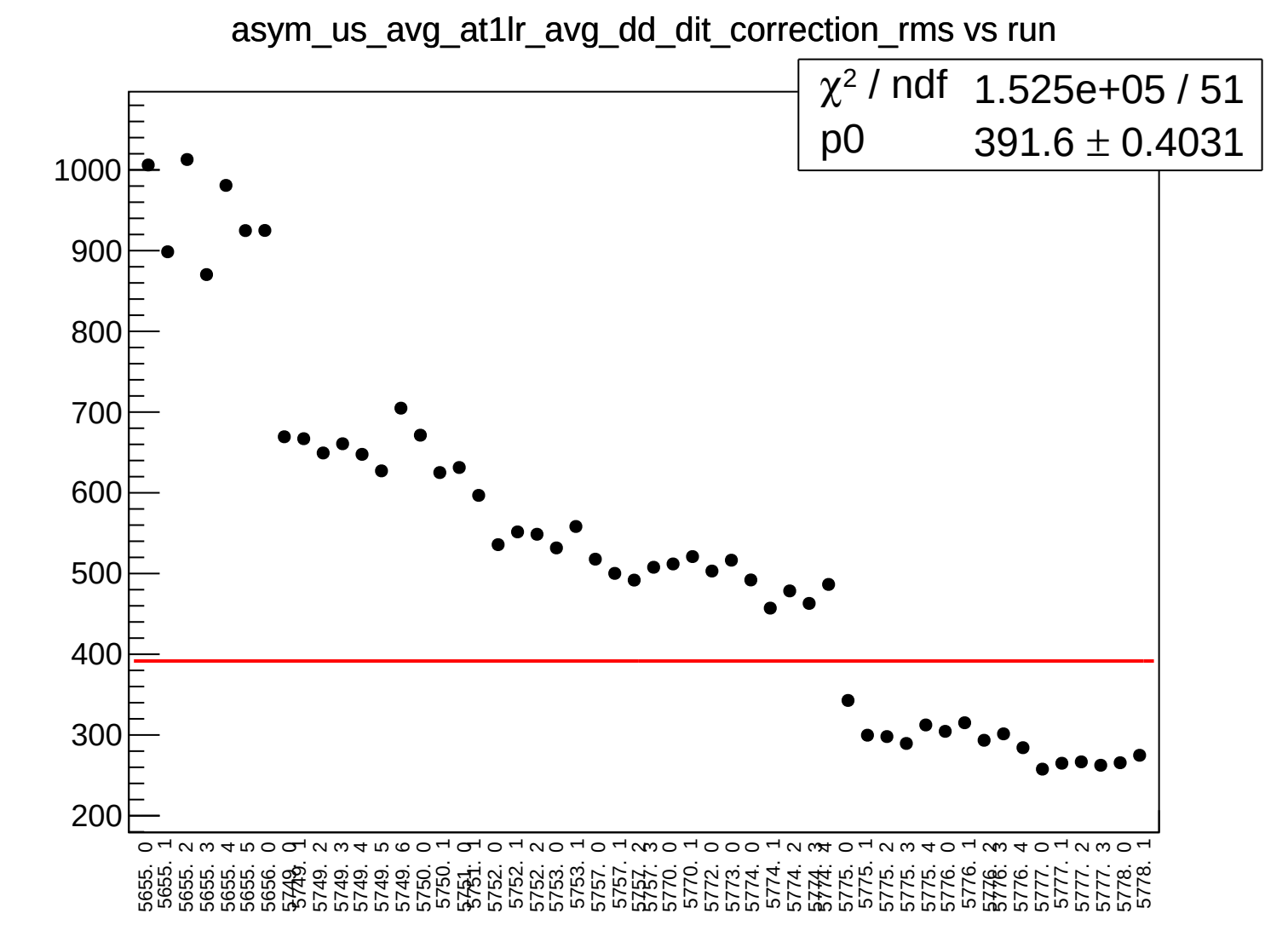
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_avg_at1lr_avg_dd_dit_correction_mean vs run
χ² / ndf 48.05 / 51
p0 −219.9 ± 570.1
20000
10000
0
−10000
−20000
pull
Entries 52
Mean 25.57
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.01777
Std Dev 0.9611
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_at1lr_avg_dd_dit_correction_rms vs run
χ² / ndf 1.525e+05 / 51
p0 391.6 ± 0.4031
1000
900
800
700
600
500
400
300
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
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5775. 3
5775. 4
5776. 0
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5777. 2
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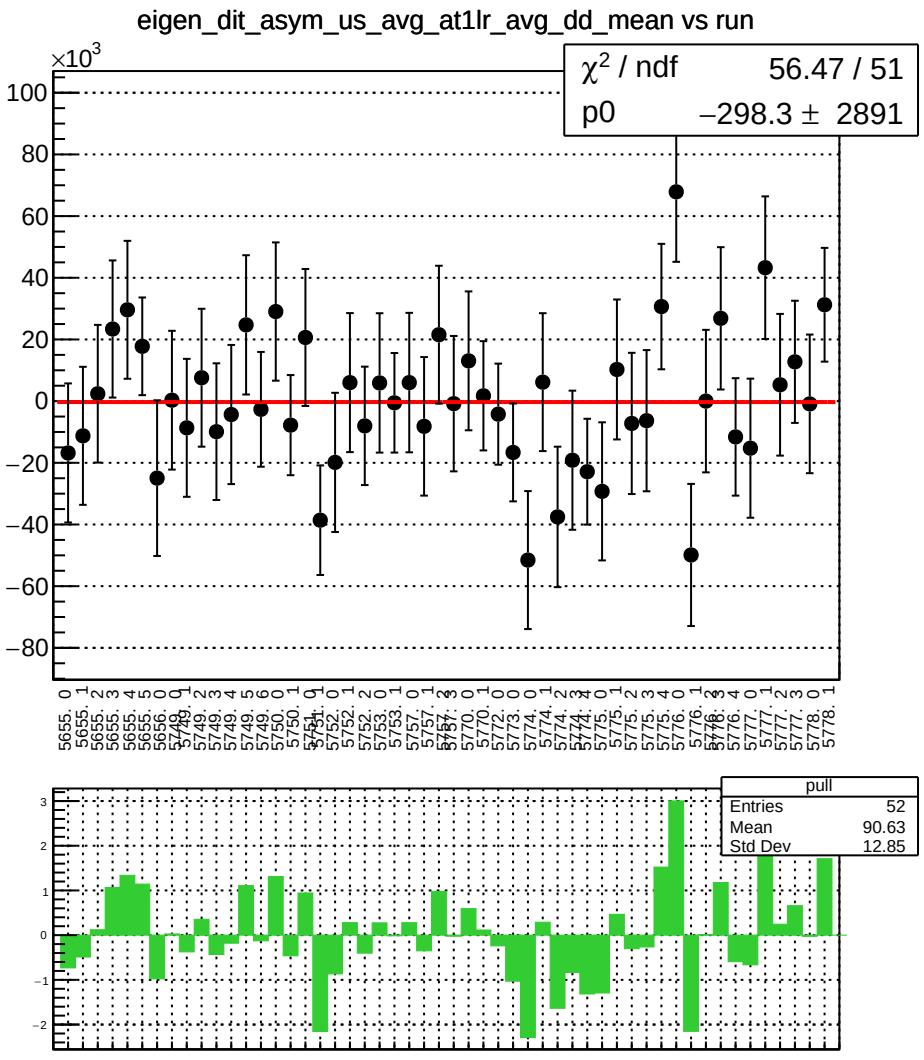
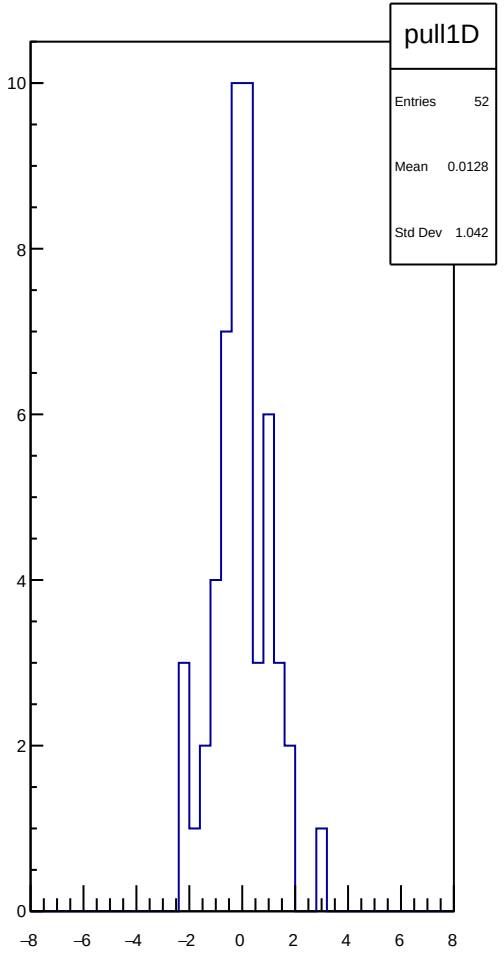
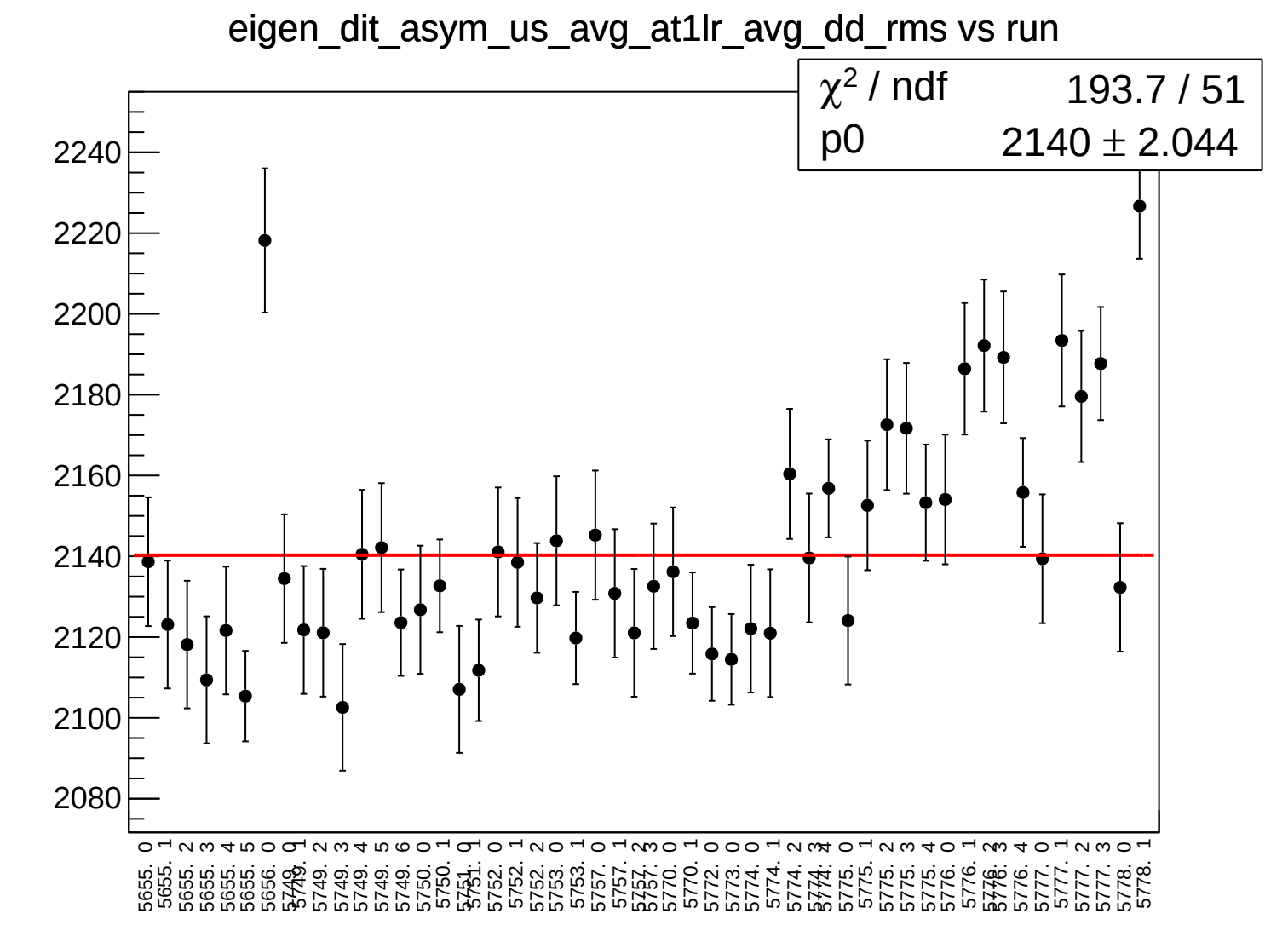
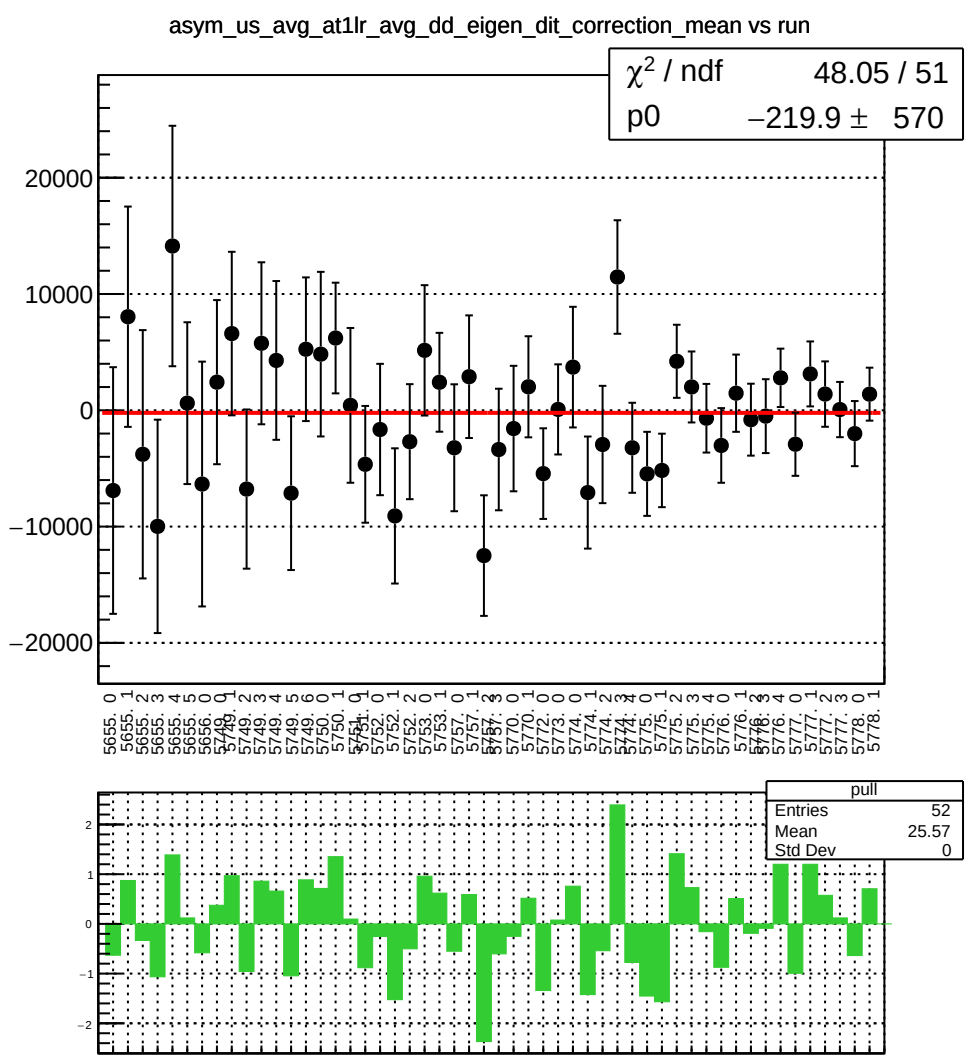
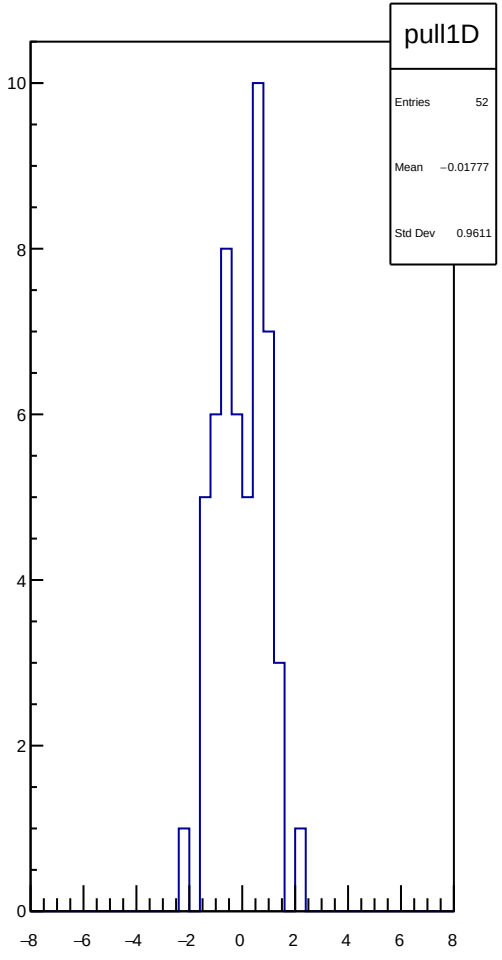
5778. 0
5778. 1

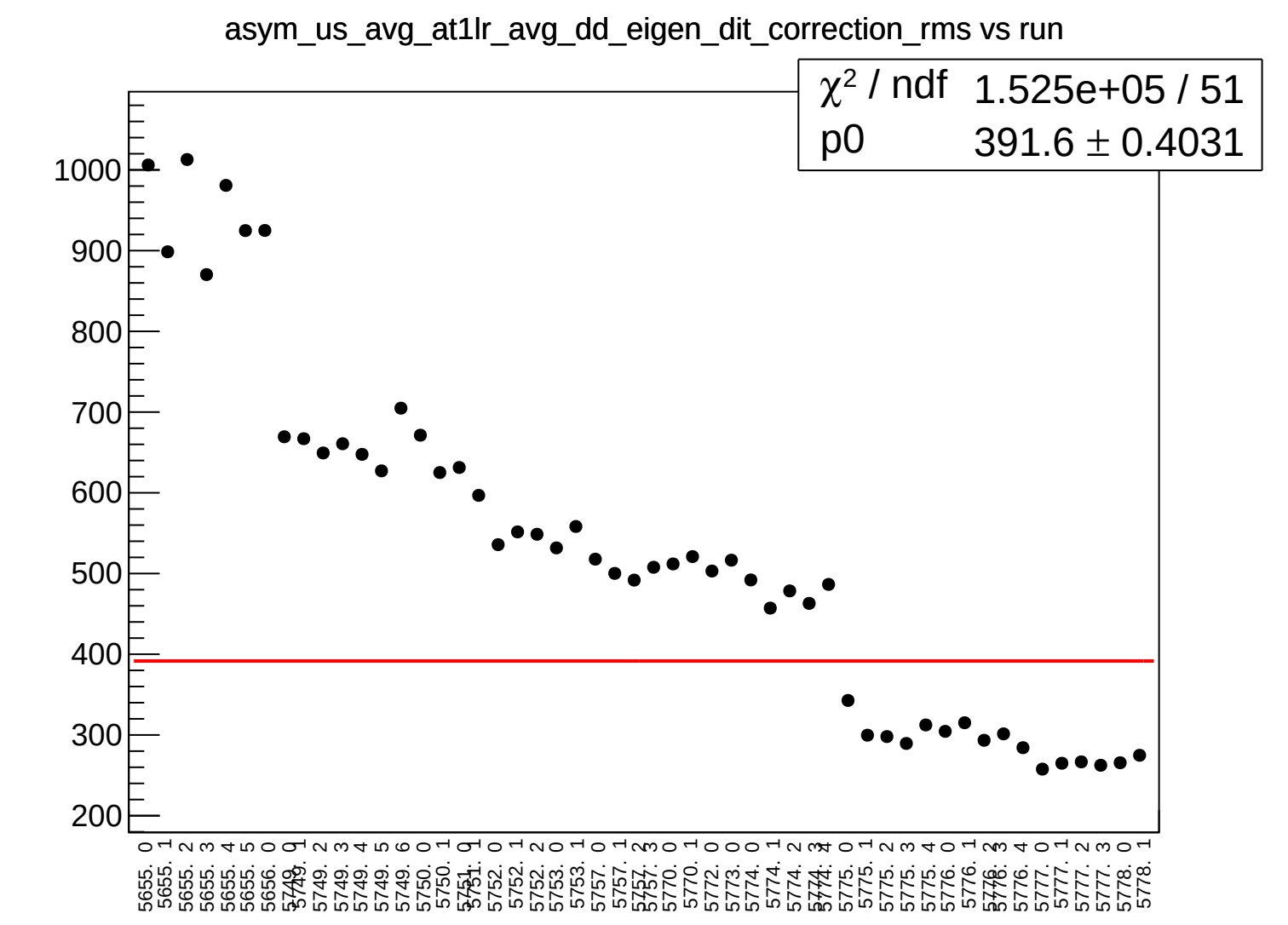

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 56.47 / 51
p0 −298.3 ± 2891
pull
Entries 52
Mean 90.63
Std Dev 12.85

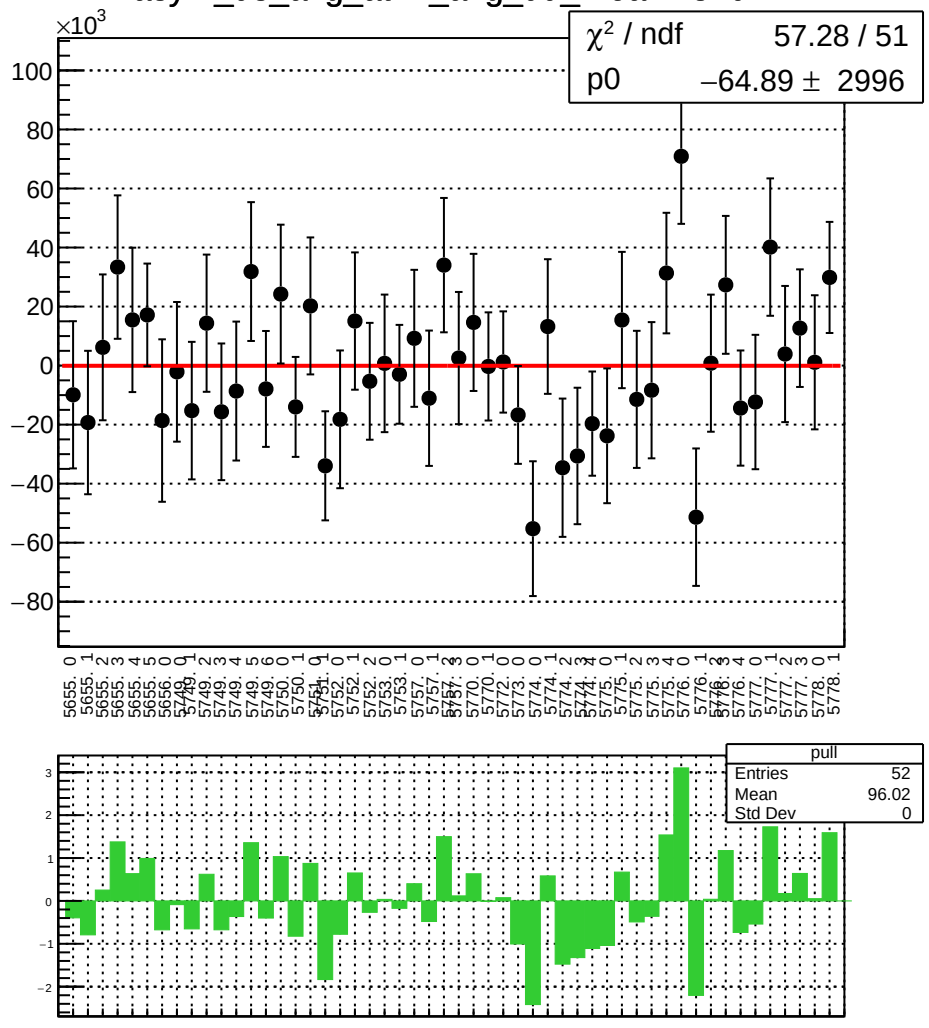

pull1D
Entries 52
Mean 0.0128
Std Dev 1.042

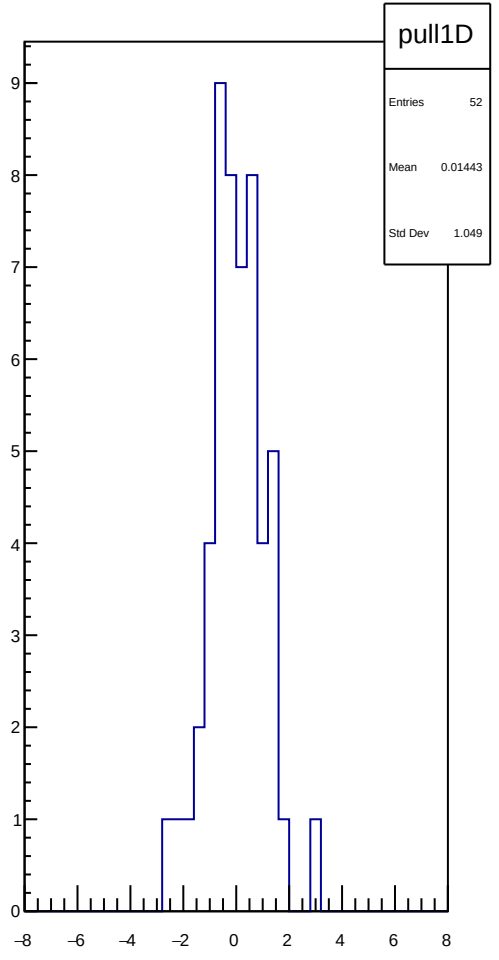

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 193.7 / 51
p0 2140 ± 2.044
2240
2220
2200
2180
2160
2140
2120
2100
2080
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

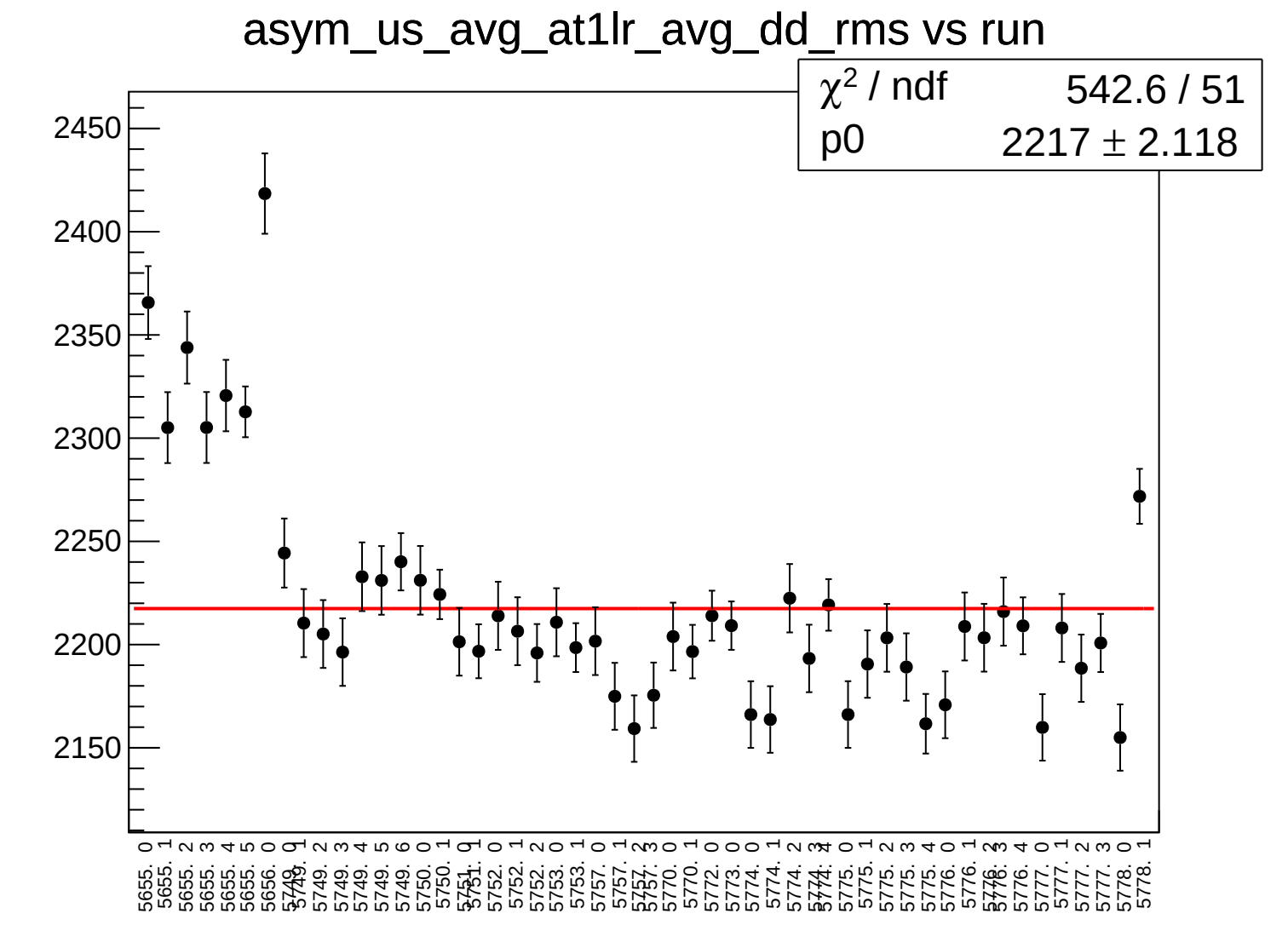

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 48.05 / 51
p0 −219.9 ± 570
20000
10000
0
−10000
−20000
pull
Entries 52
Mean 25.57
Std Dev 0

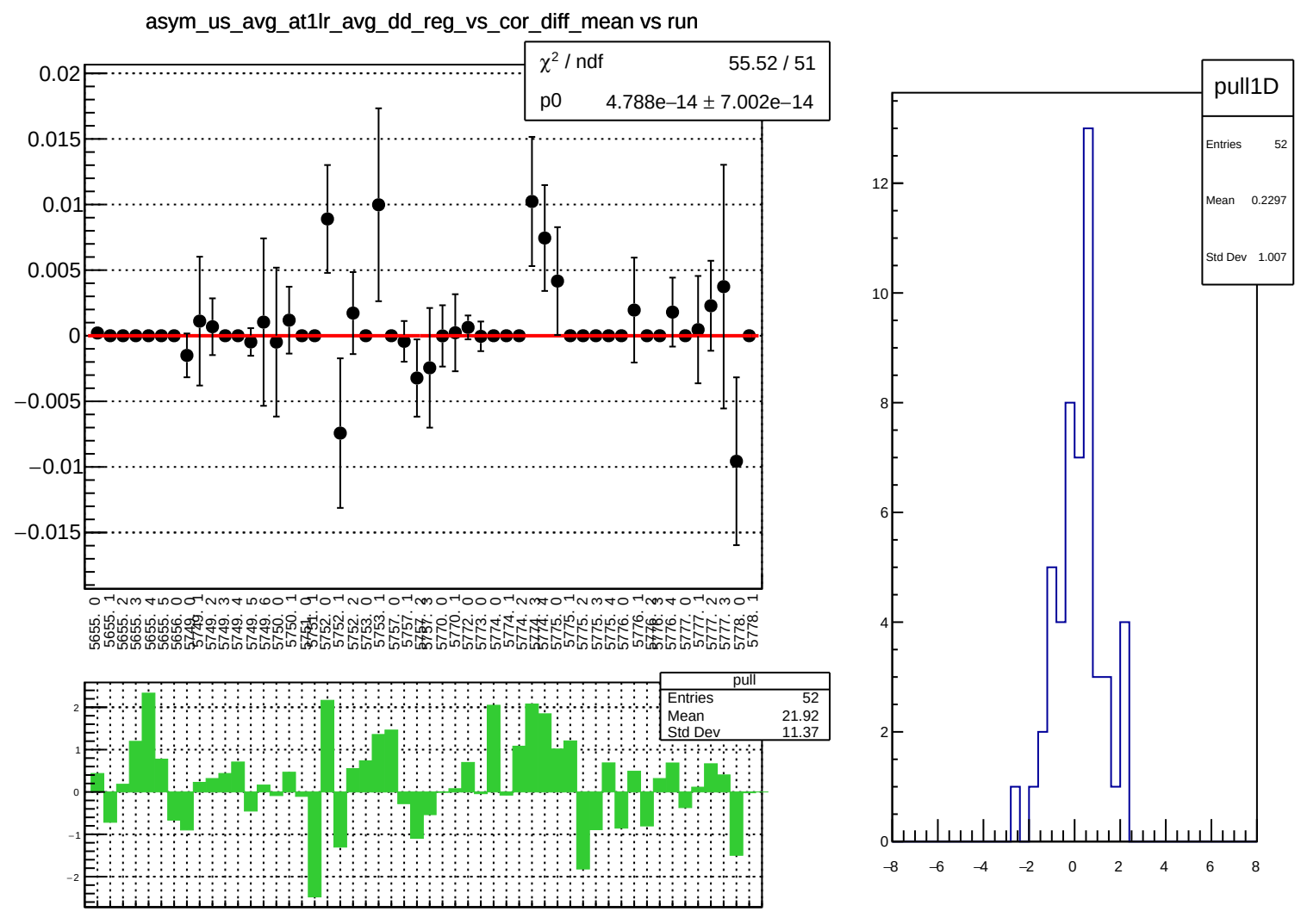

pull1D
Entries 52
Mean −0.01777
Std Dev 0.9611
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

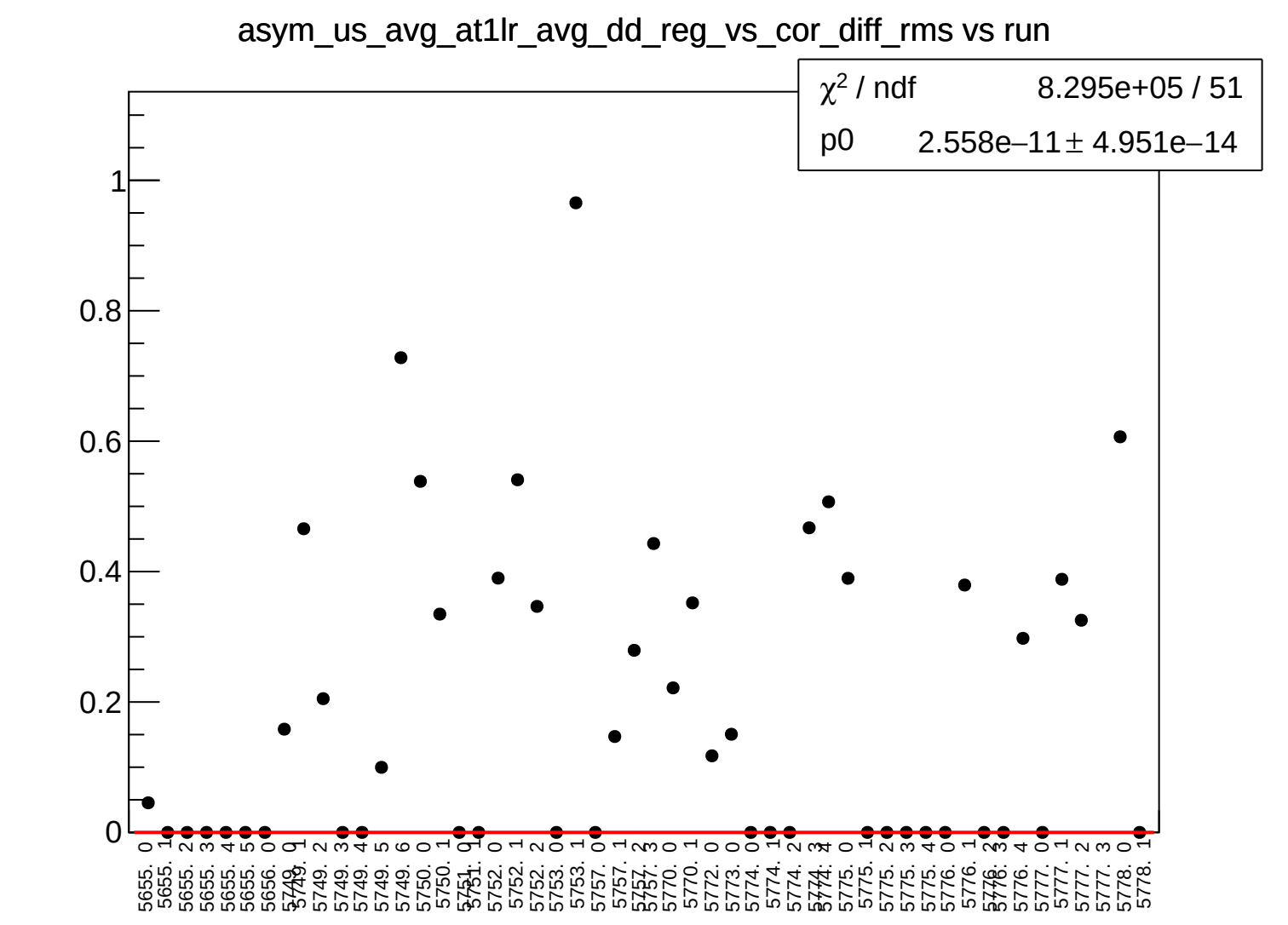

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.525e+05 / 51
p0 391.6 ± 0.4031
1000
900
800
700
600
500
400
300
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

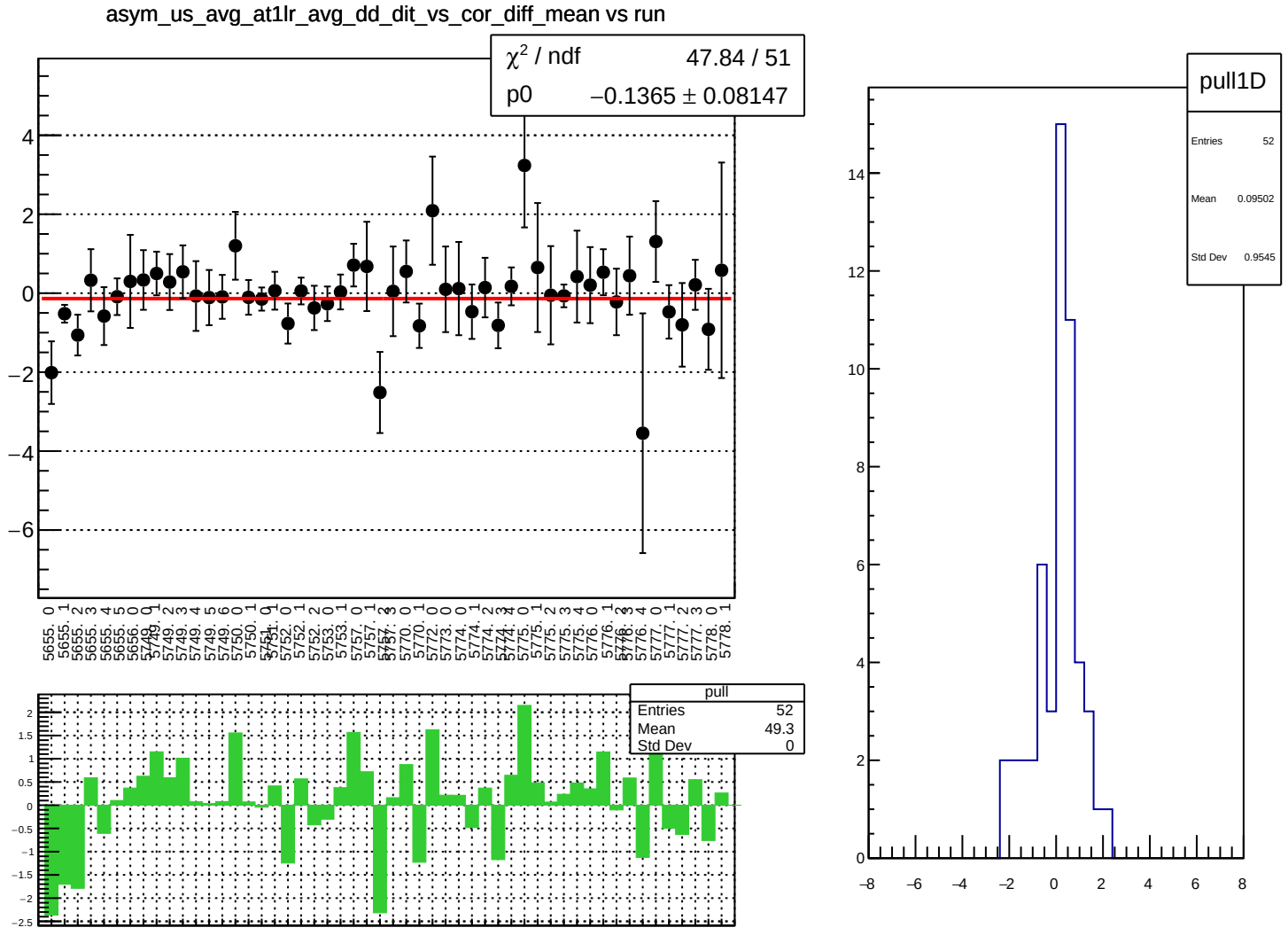

asym_us_avg_at1lr_avg_dd_mean vs run
×10^3
χ² / ndf 57.28 / 51
p0 −64.89 ± 2996
pull
Entries 52
Mean 96.02
Std Dev 0

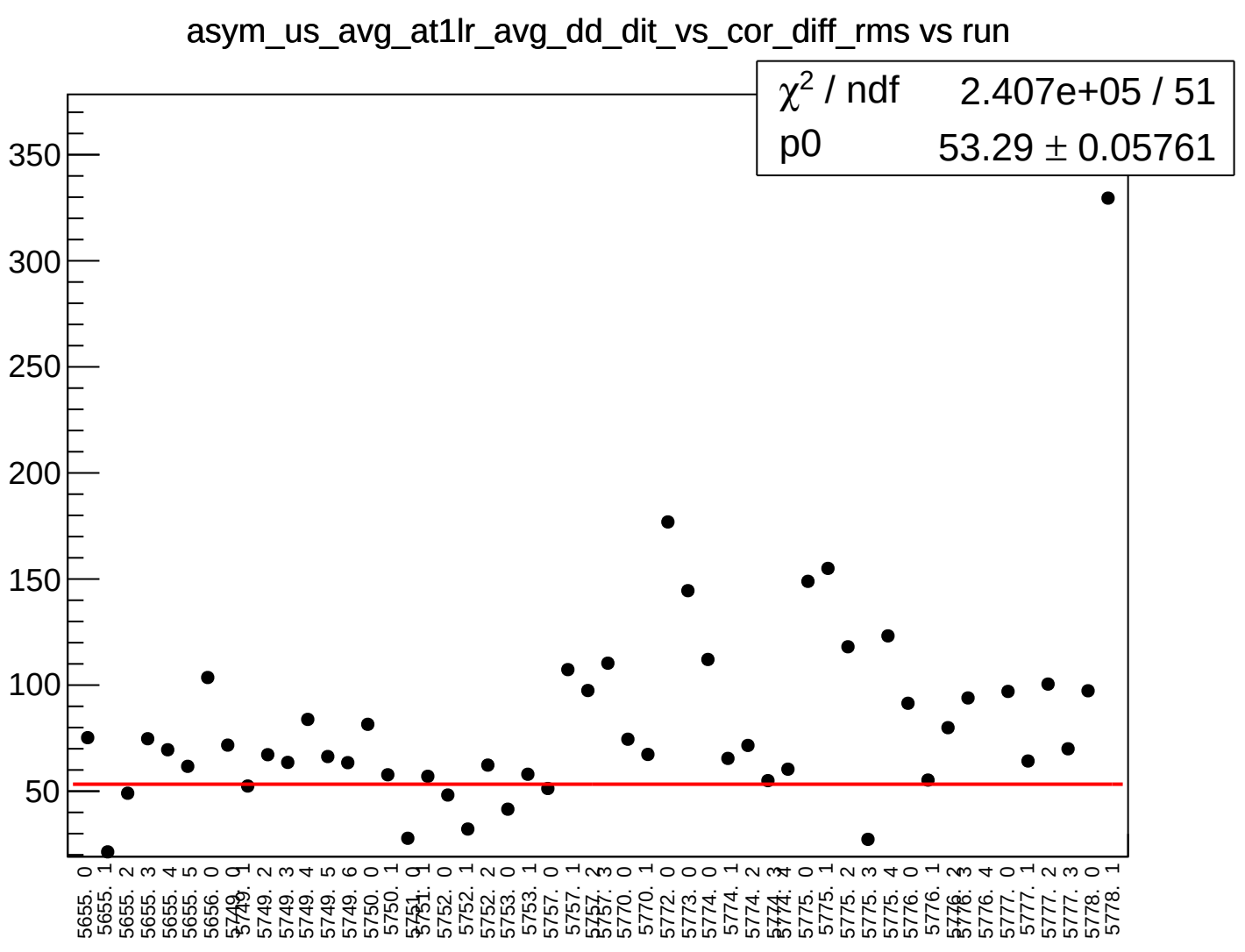

pull1D
Entries 52
Mean 0.01443
Std Dev 1.049

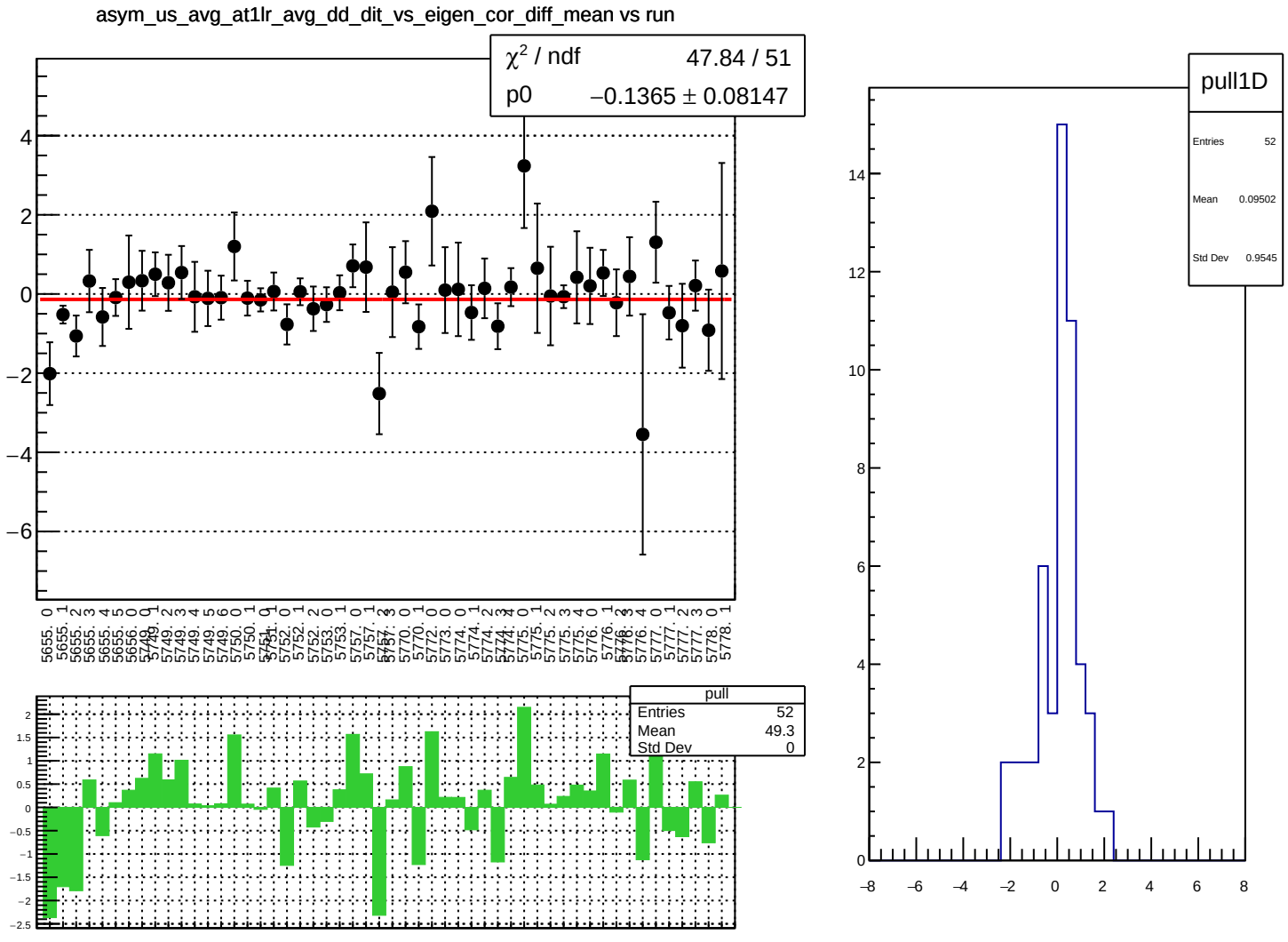

asym_us_avg_at1lr_avg_dd_rms vs run
χ^2 / ndf 542.6 / 51
p0 2217 ± 2.118
2450
2400
2350
2300
2250
2200
2150
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

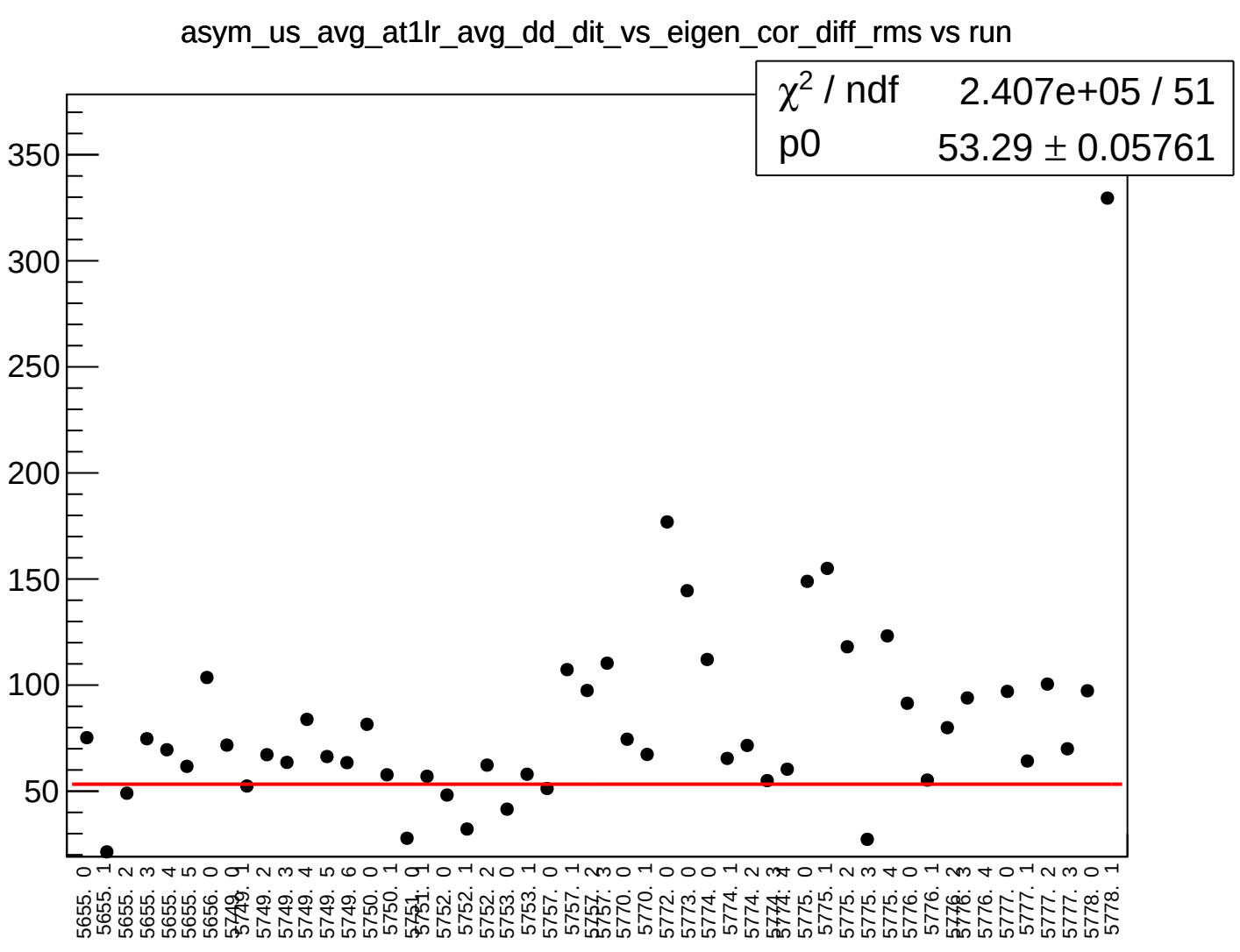

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 55.52 / 51
p0 4.788e−14 ± 7.002e−14
pull
Entries 52
Mean 21.92
Std Dev 11.37
pull1D
Entries 52
Mean 0.2297
Std Dev 1.007

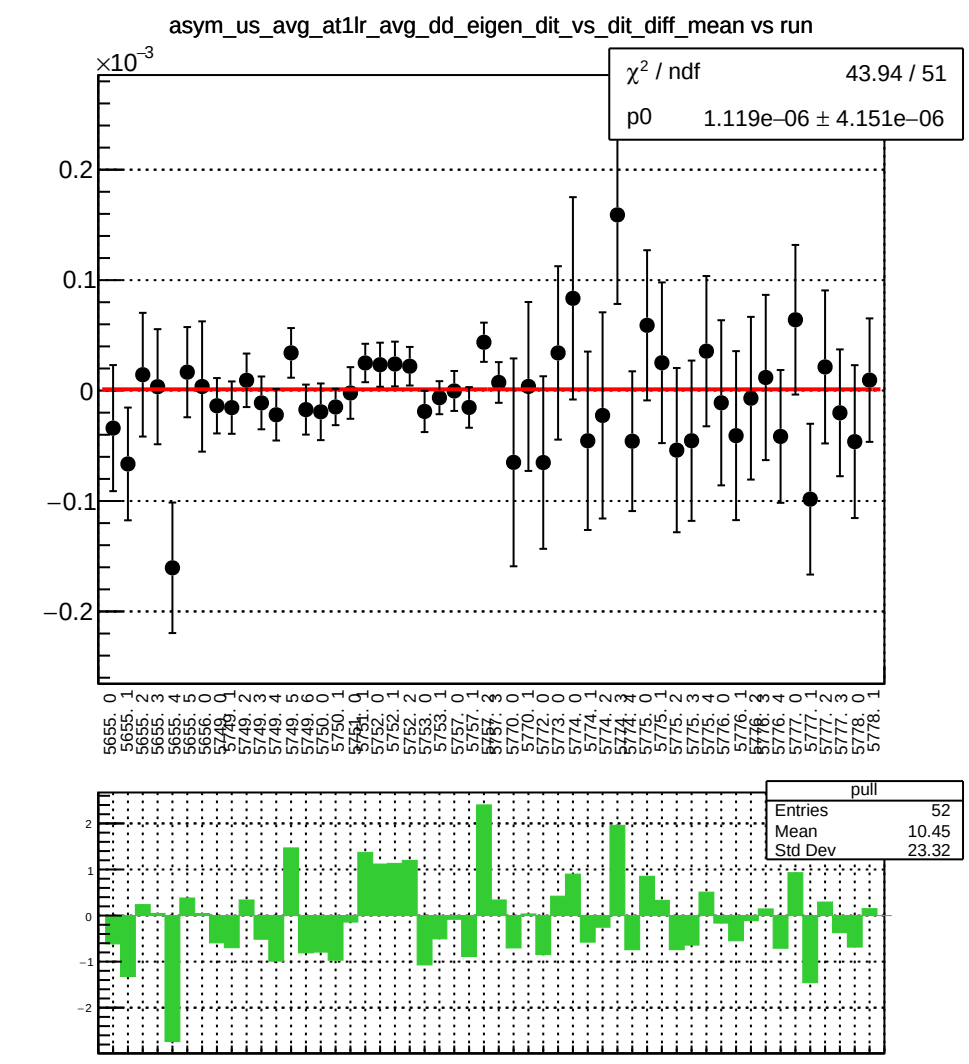

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.295e+05 / 51
p0 2.558e−11 ± 4.951e−14
1
0.8
0.6
0.4
0.2
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

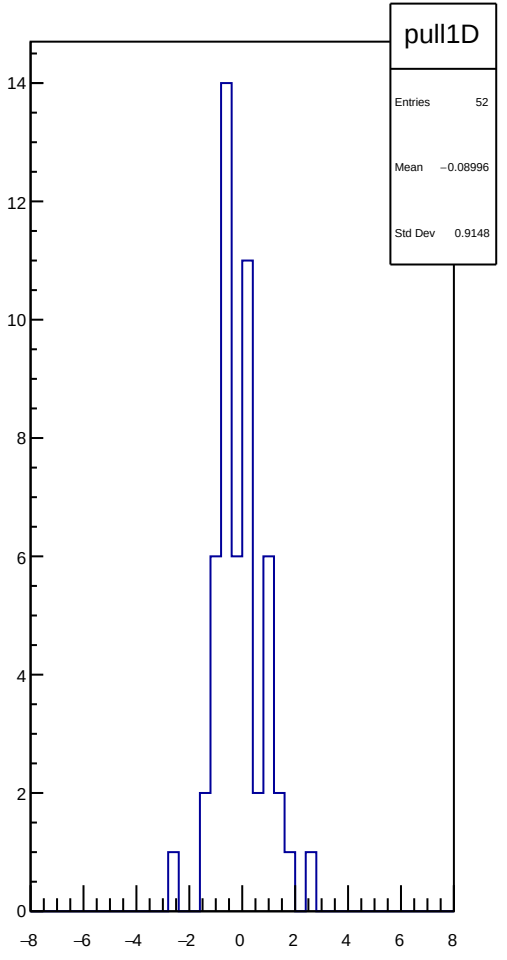

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 47.84 / 51
p0 −0.1365 ± 0.08147
pull
Entries 52
Mean 49.3
Std Dev 0
pull1D
Entries 52
Mean 0.09502
Std Dev 0.9545

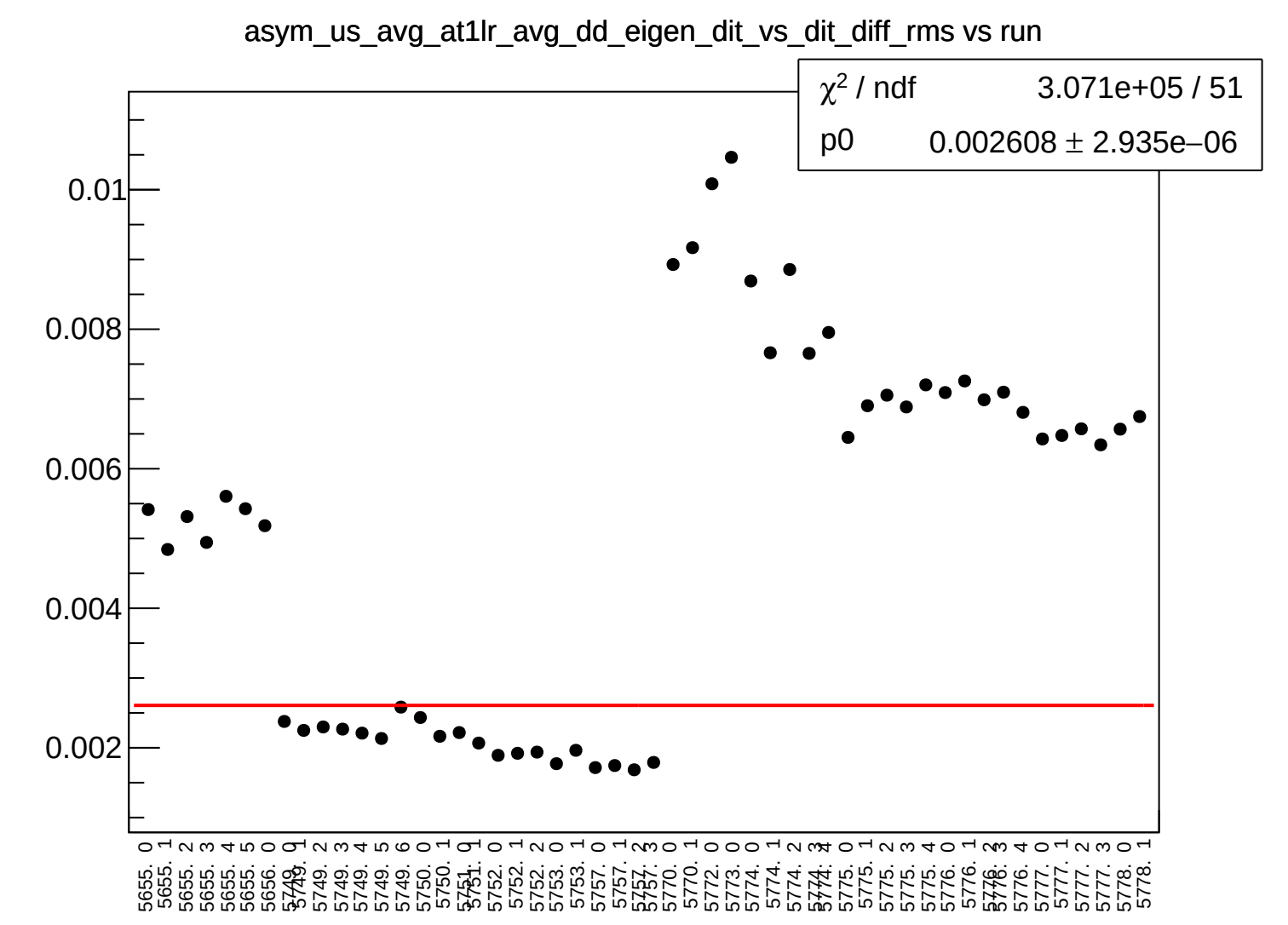

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.407e+05 / 51
p0 53.29 ± 0.05761
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

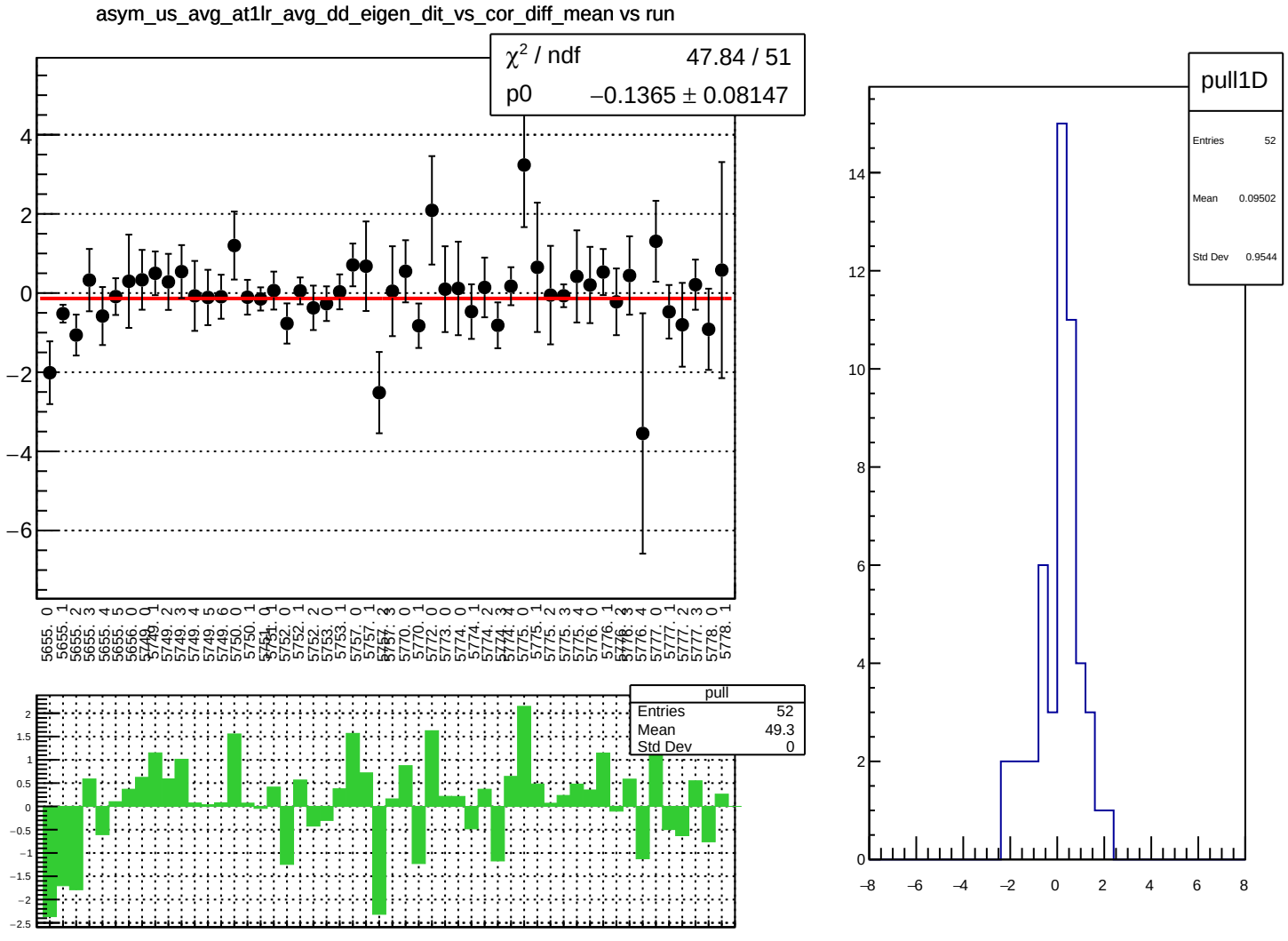

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.84 / 51
p0 −0.1365 ± 0.08147
pull
Entries 52
Mean 49.3
Std Dev 0
pull1D
Entries 52
Mean 0.09502
Std Dev 0.9545

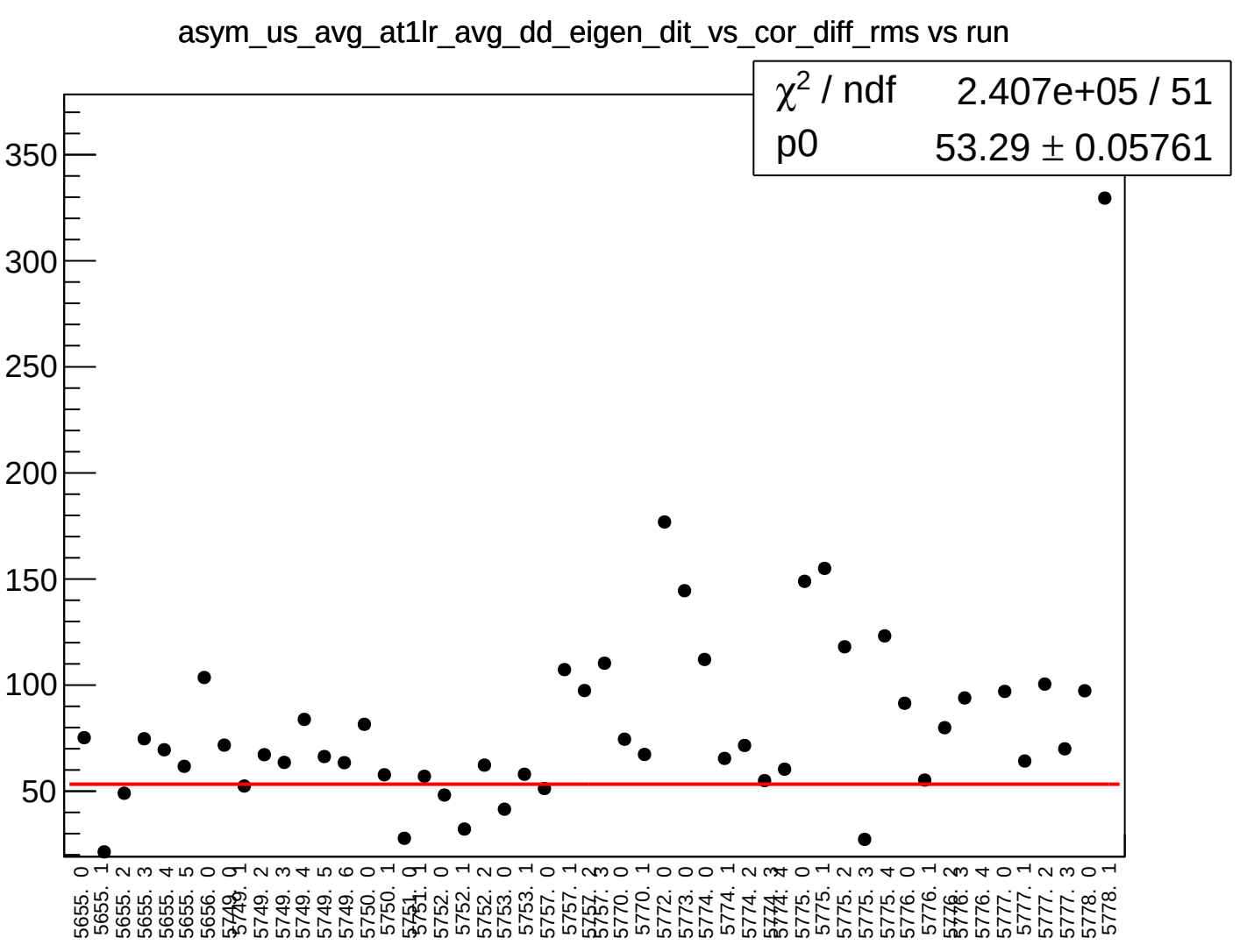

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.407e+05 / 51
p0 53.29 ± 0.05761
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

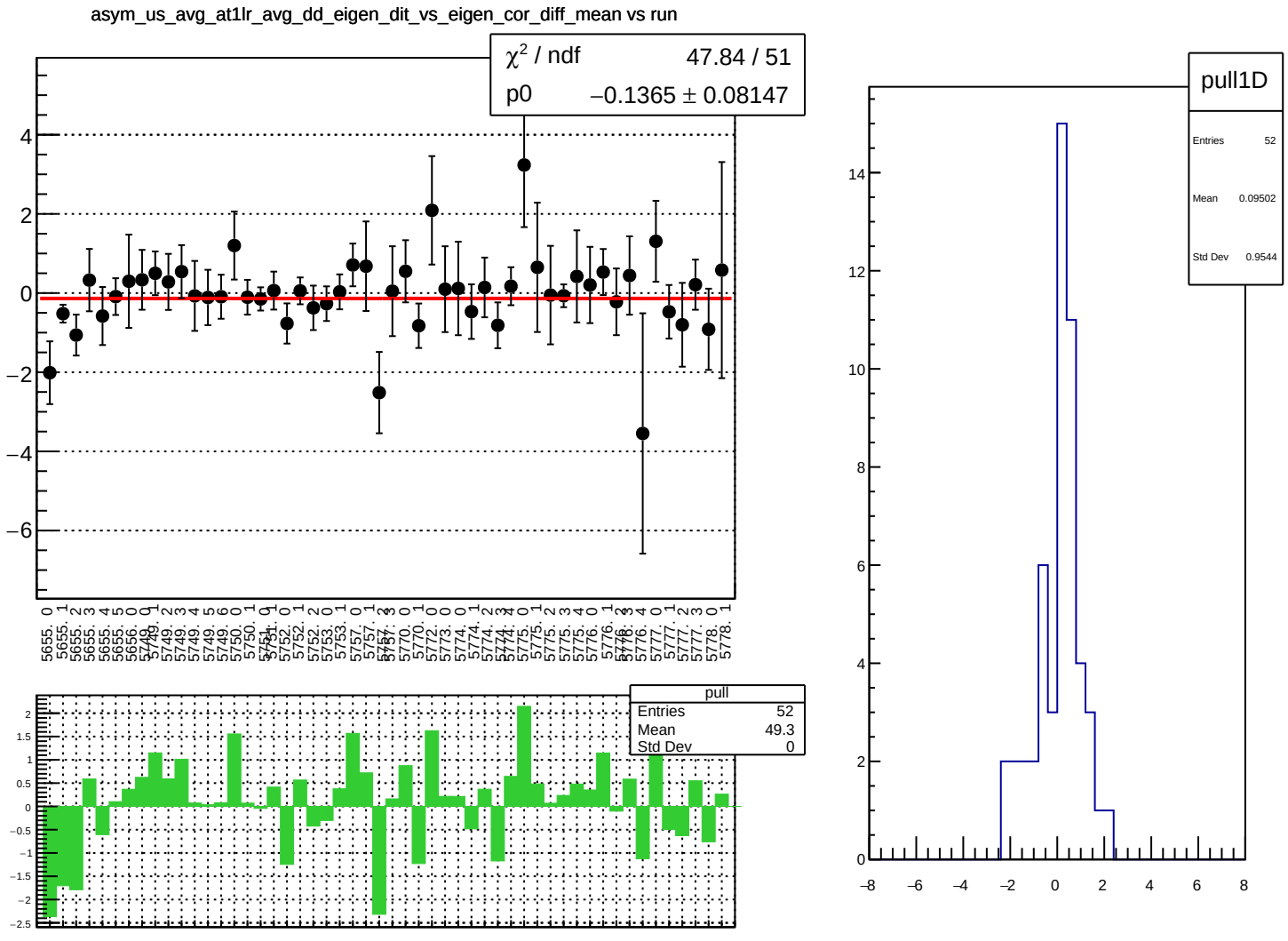

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 43.94 / 51
p0 1.119e−06 ± 4.151e−06
0.2
0.1
0
−0.1
−0.2
pull
Entries 52
Mean 10.45
Std Dev 23.32
2
1
0
−1
−2

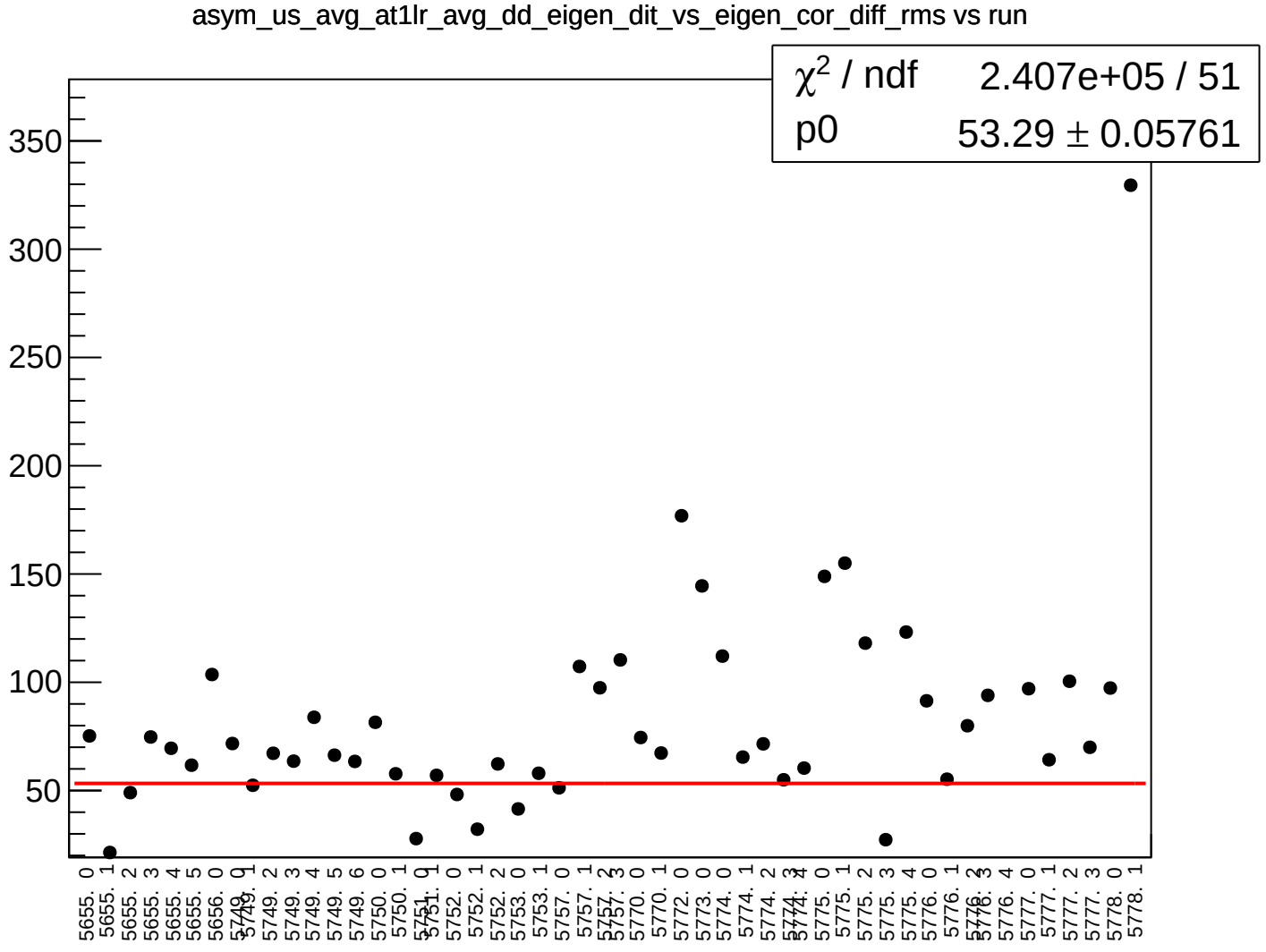

pull1D
Entries 52
Mean −0.08996
Std Dev 0.9148
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

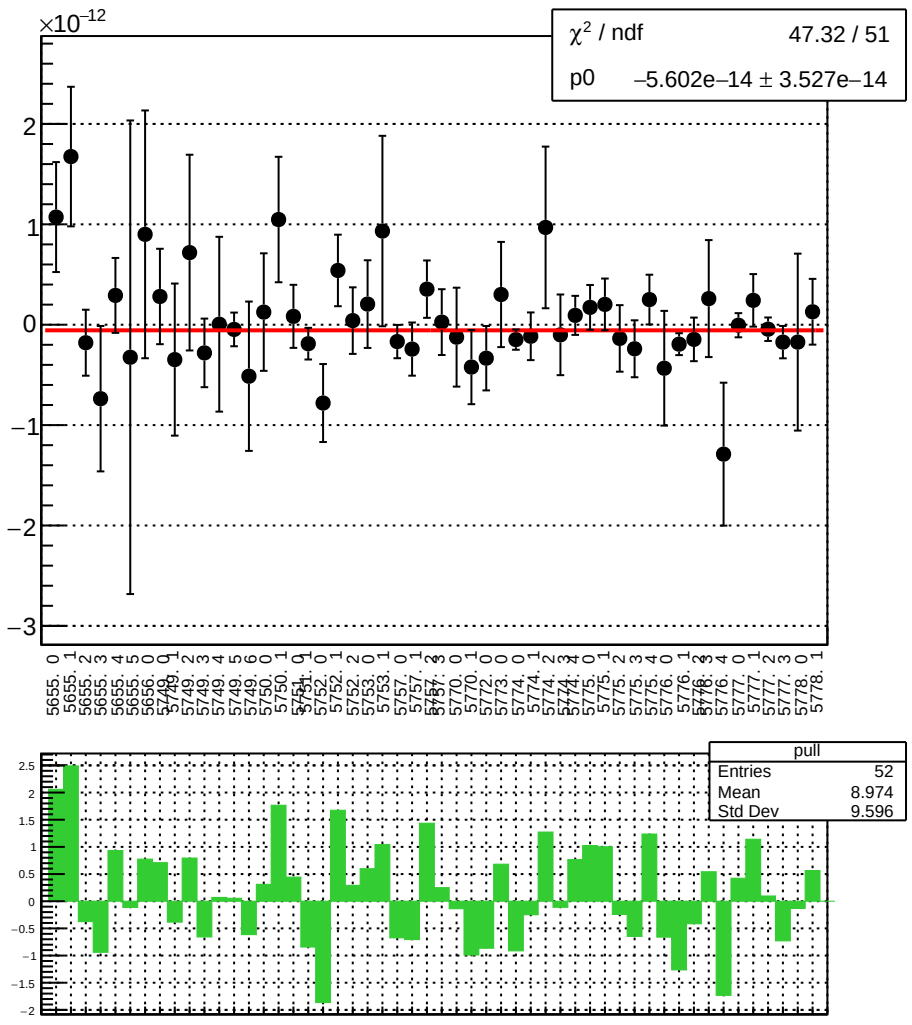

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.071e+05 / 51
p0 0.002608 ± 2.935e−06
0.01
0.008
0.006
0.004
0.002
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

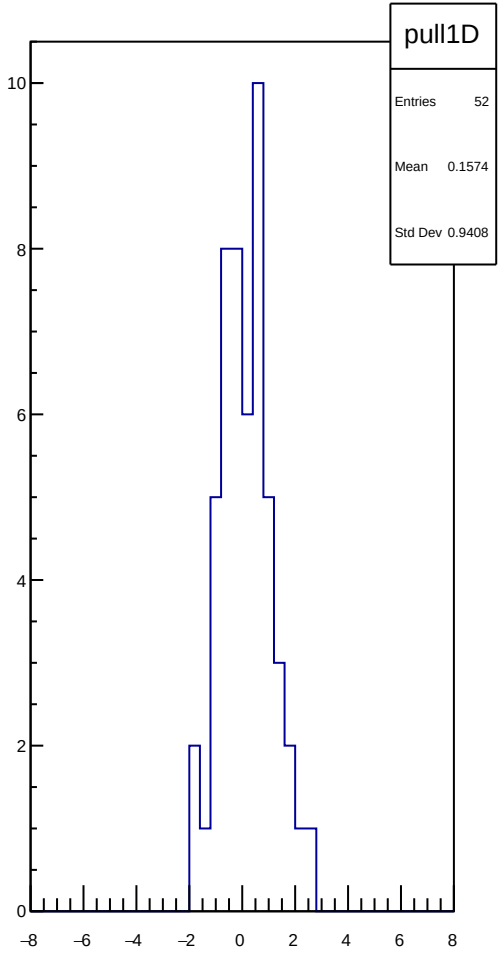

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.84 / 51
p0 −0.1365 ± 0.08147
pull
Entries 52
Mean 49.3
Std Dev 0
pull1D
Entries 52
Mean 0.09502
Std Dev 0.9544

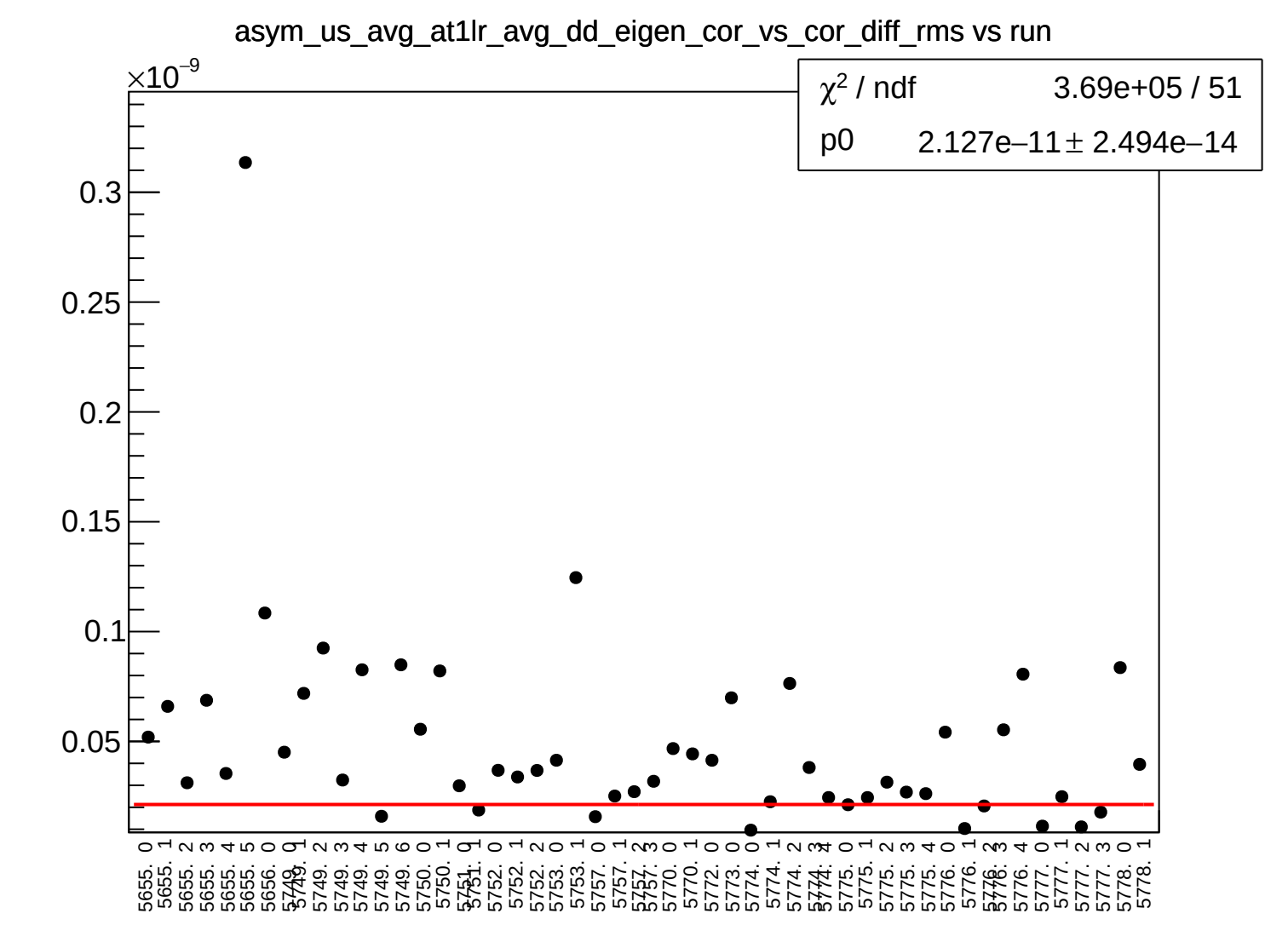

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.407e+05 / 51
p0 53.29 ± 0.05761
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

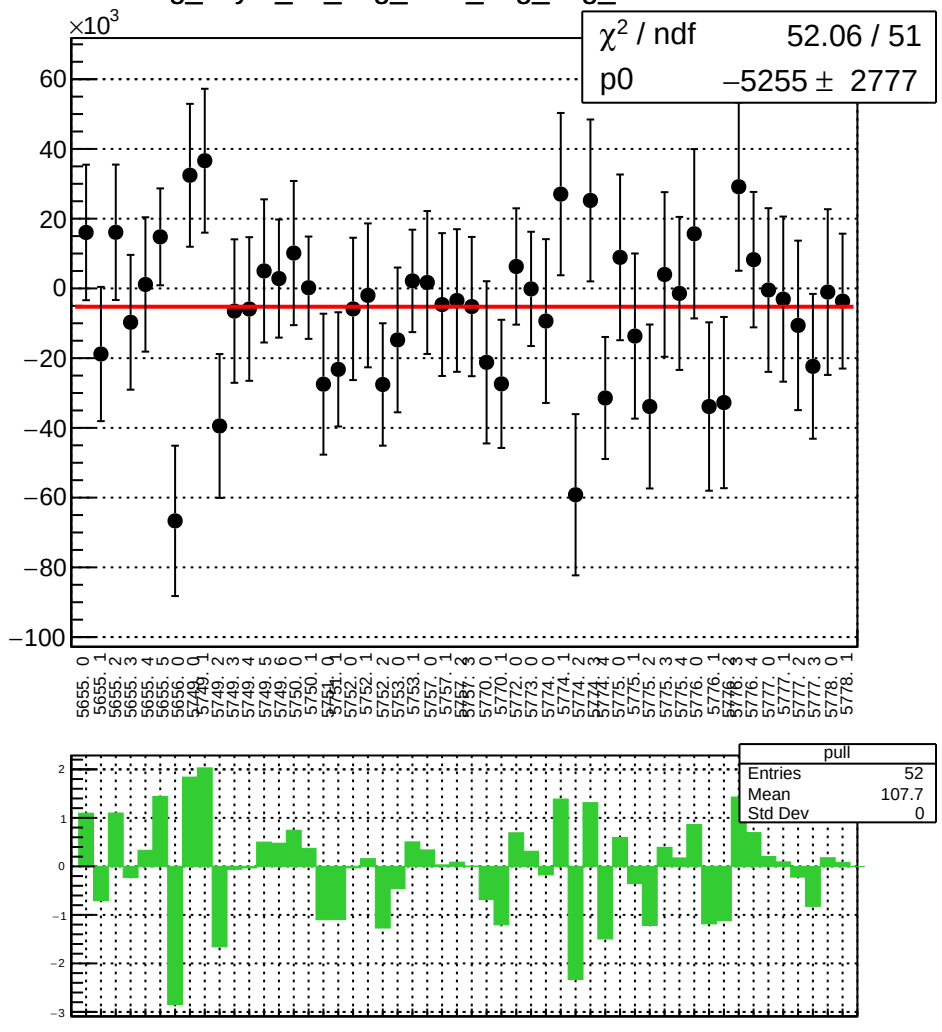

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.84 / 51
p0 −0.1365 ± 0.08147
pull
Entries 52
Mean 49.3
Std Dev 0
pull1D
Entries 52
Mean 0.09502
Std Dev 0.9544

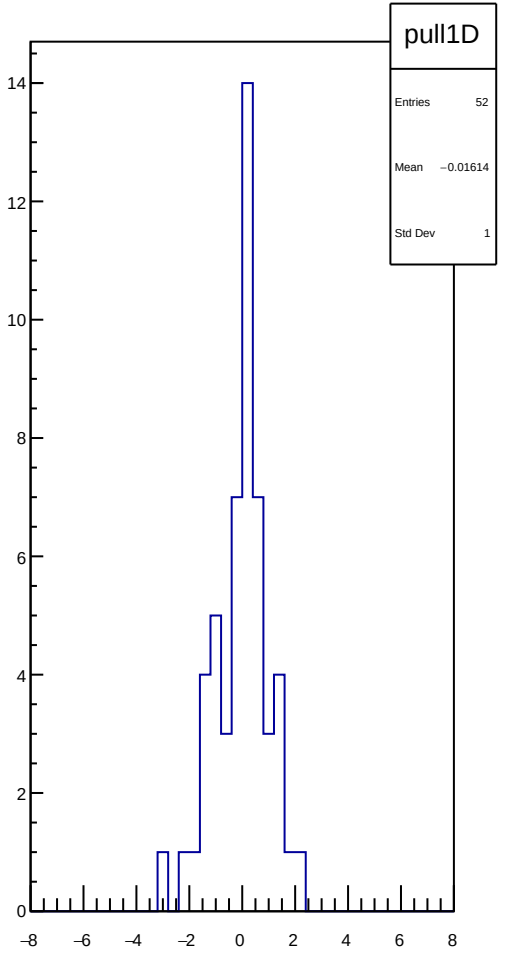

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.407e+05 / 51
p0 53.29 ± 0.05761
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

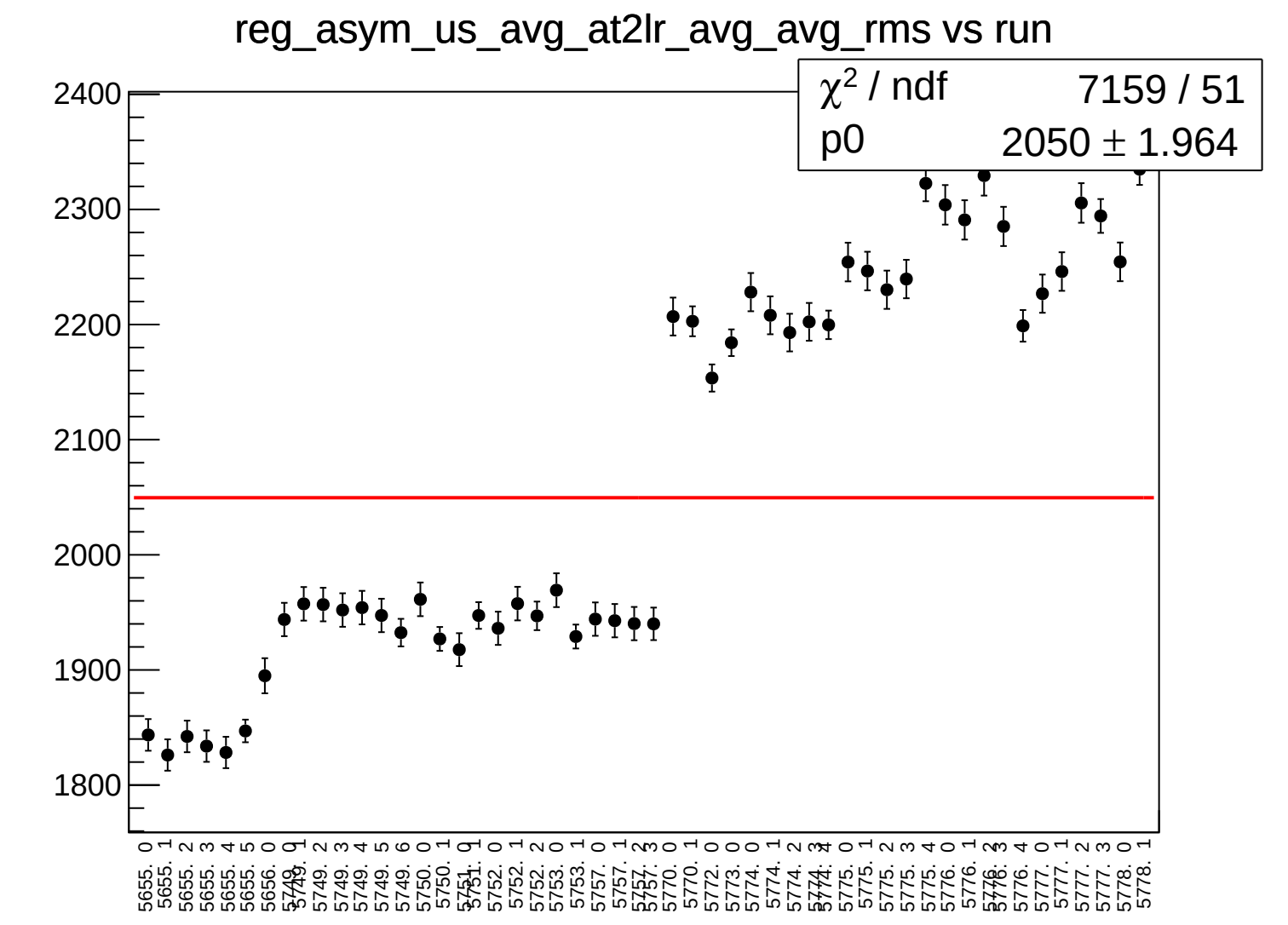

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.32 / 51
p0 −5.602e−14 ± 3.527e−14
pull
Entries 52
Mean 8.974
Std Dev 9.596

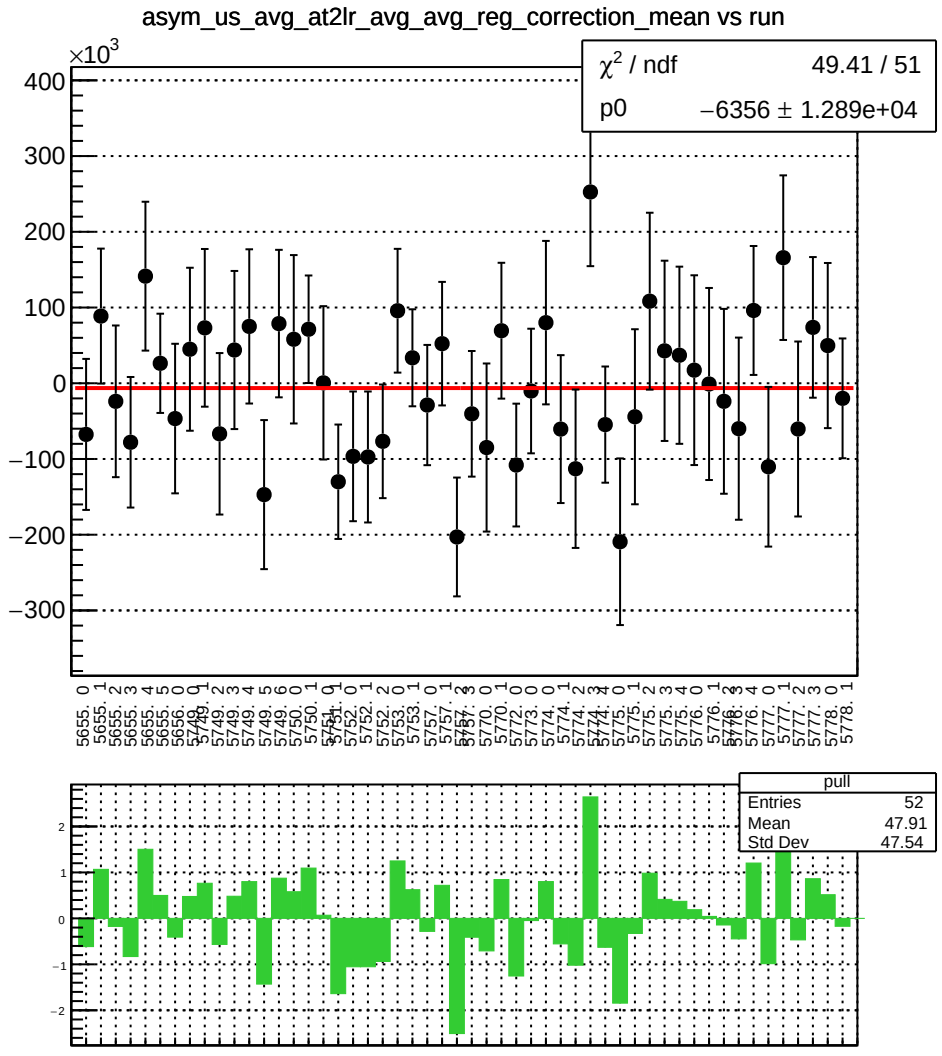

pull1D
Entries 52
Mean 0.1574
Std Dev 0.9408

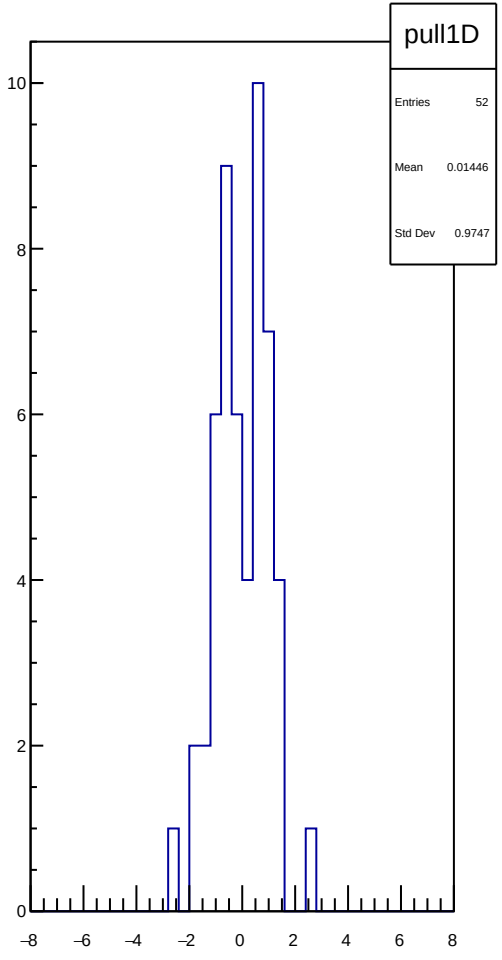

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.69e+05 / 51
p0 2.127e−11 ± 2.494e−14
0.3
0.25
0.2
0.15
0.1
0.05
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

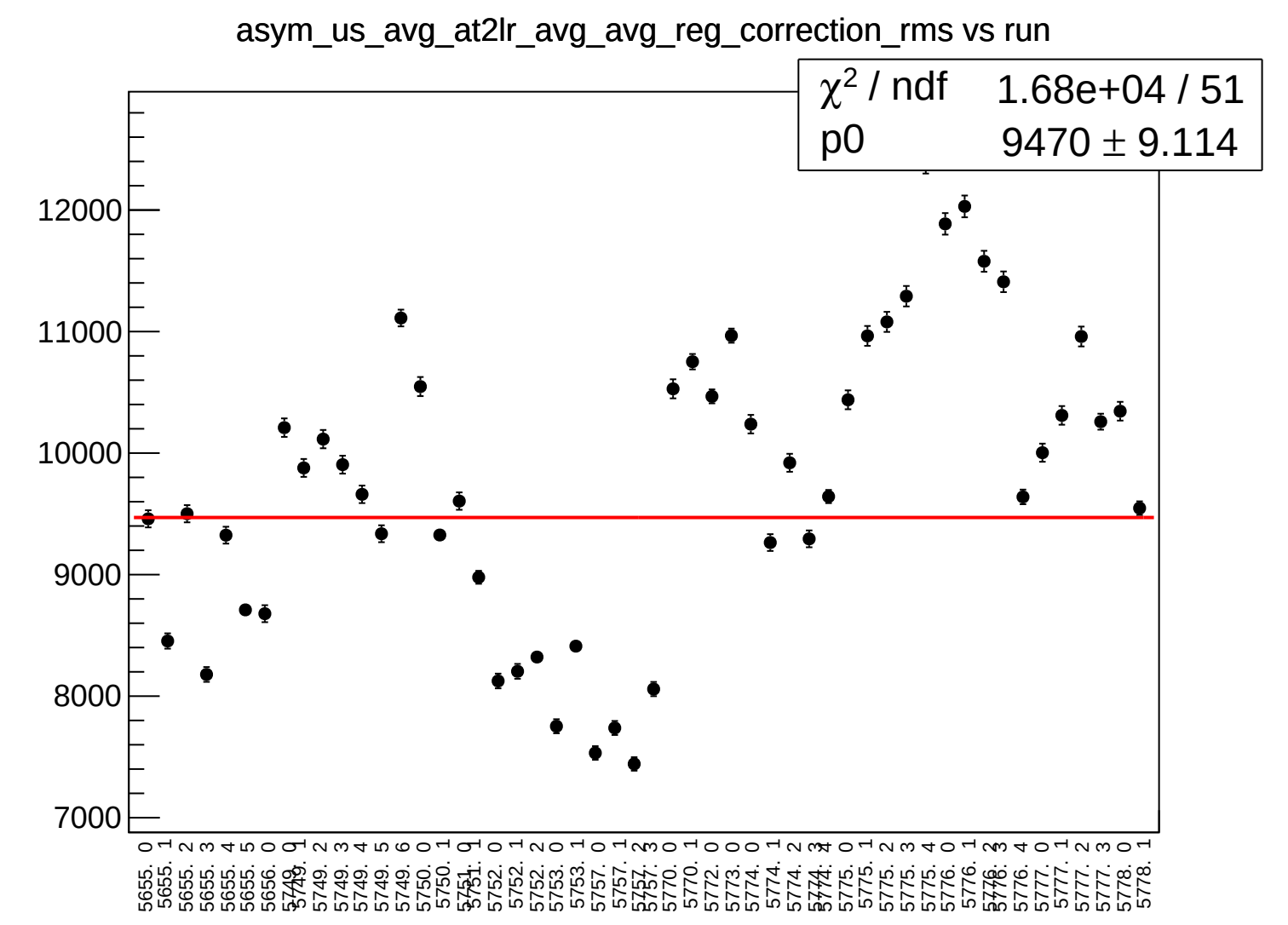

reg_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 52.06 / 51
p0 −5255 ± 2777
pull
Entries 52
Mean 107.7
Std Dev 0

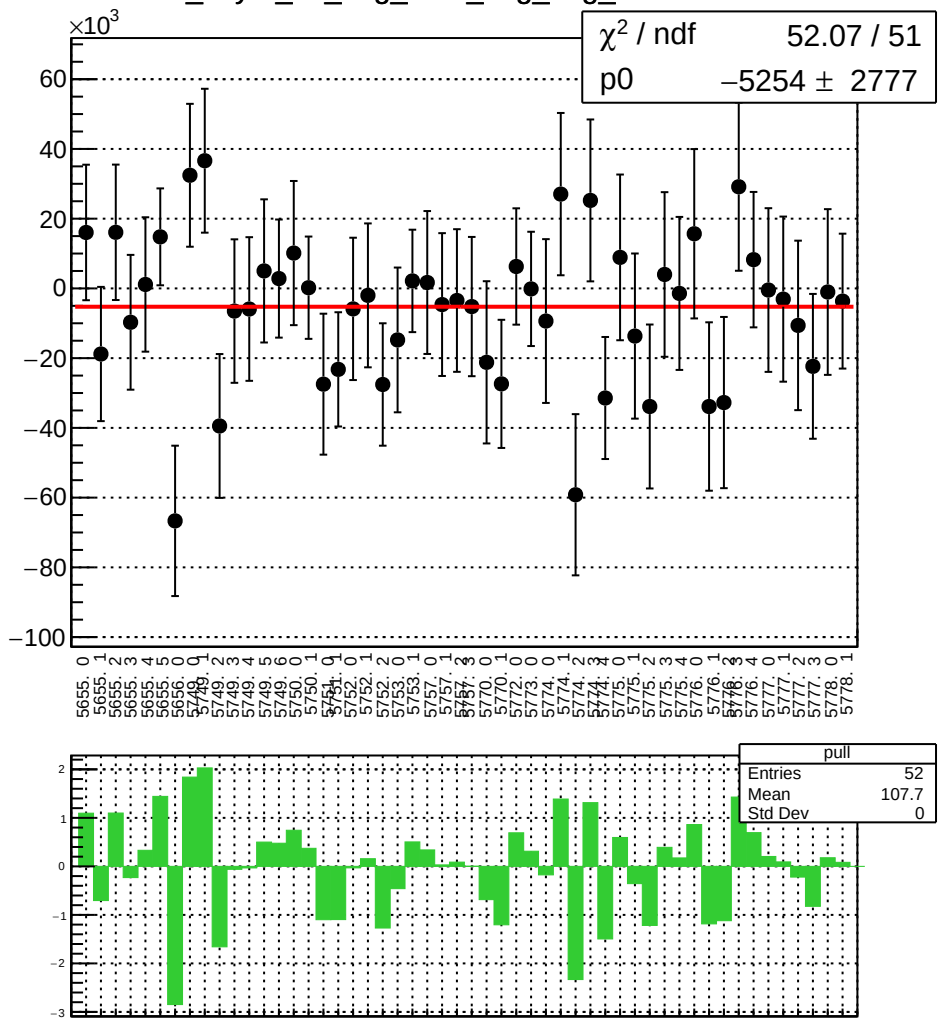

pull1D
Entries 52
Mean −0.01614
Std Dev 1

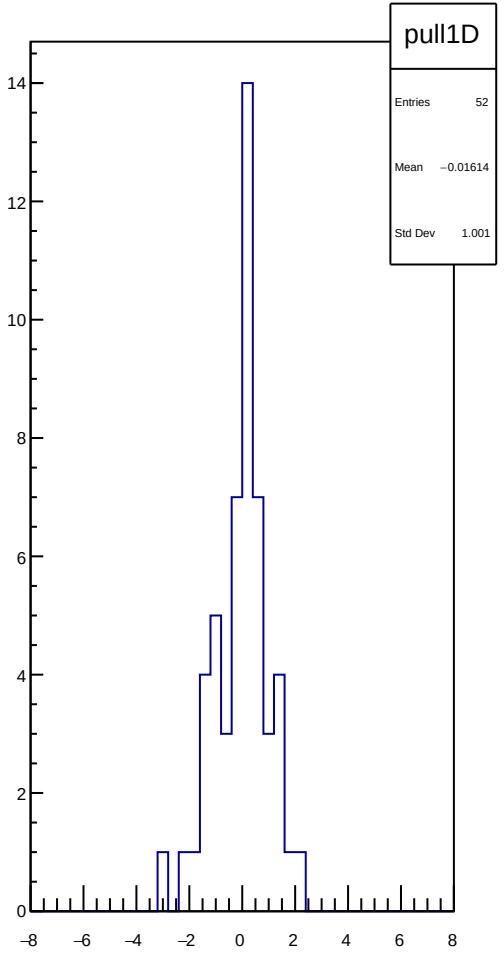

reg_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 7159 / 51
p0 2050 ± 1.964
2400
2300
2200
2100
2000
1900
1800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

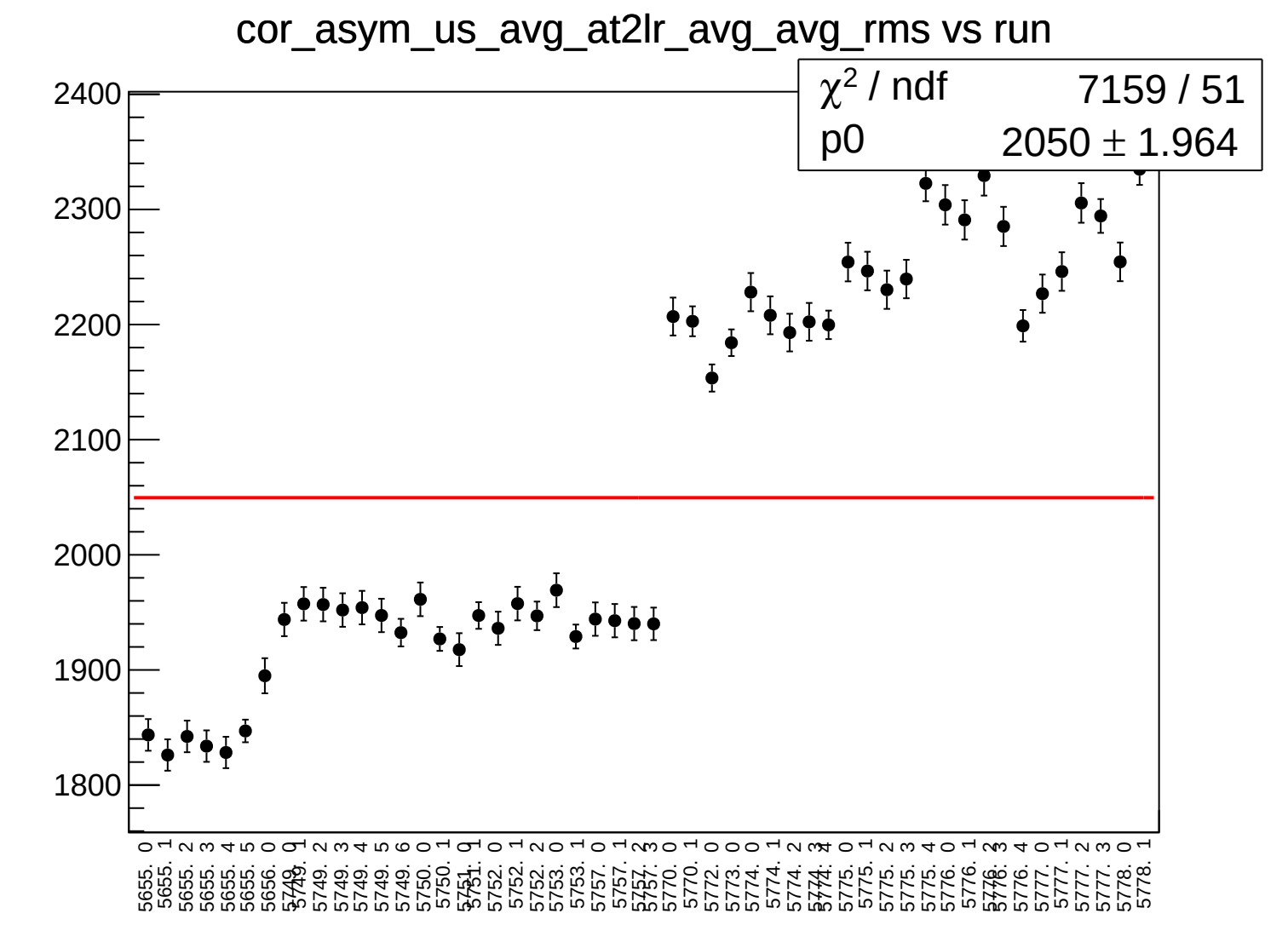

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 49.41 / 51
p0 −6356 ± 1.289e+04
pull
Entries 52
Mean 47.91
Std Dev 47.54


pull1D
Entries 52
Mean 0.01446
Std Dev 0.9747


asym_us_avg_at2lr_avg_avg_reg_correction_rms vs run
χ² / ndf 1.68e+04 / 51
p0 9470 ± 9.114
12000
11000
10000
9000
8000
7000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 52.07 / 51
p0 −5254 ± 2777
pull
Entries 52
Mean 107.7
Std Dev 0


pull1D
Entries 52
Mean −0.01614
Std Dev 1.001


cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 7159 / 51
p0 2050 ± 1.964
2400
2300
2200
2100
2000
1900
1800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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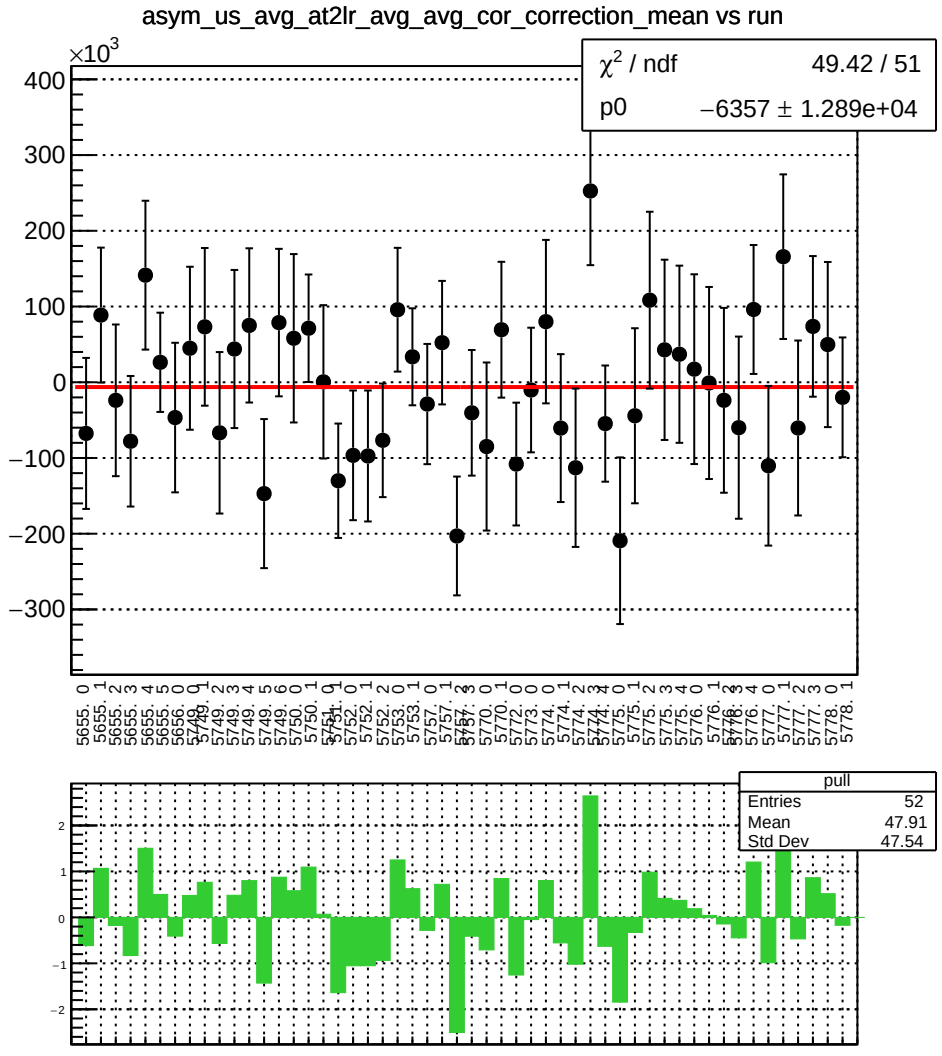
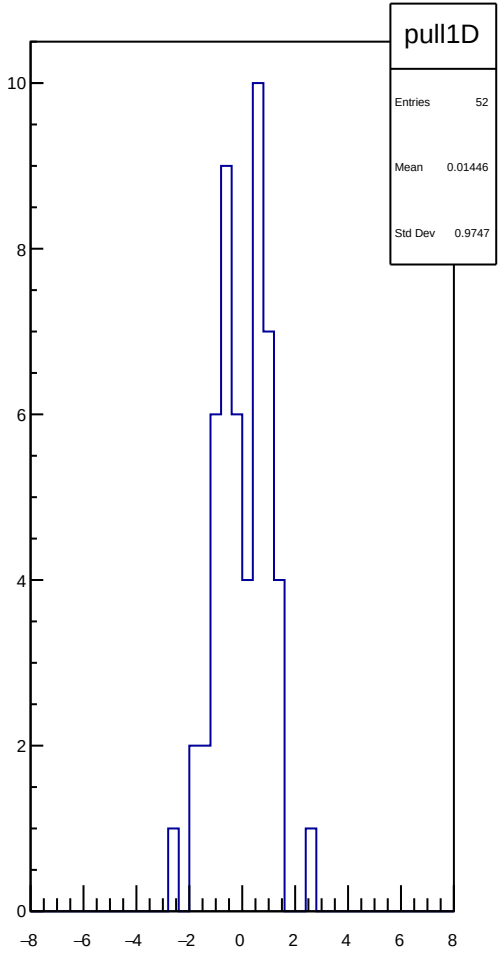
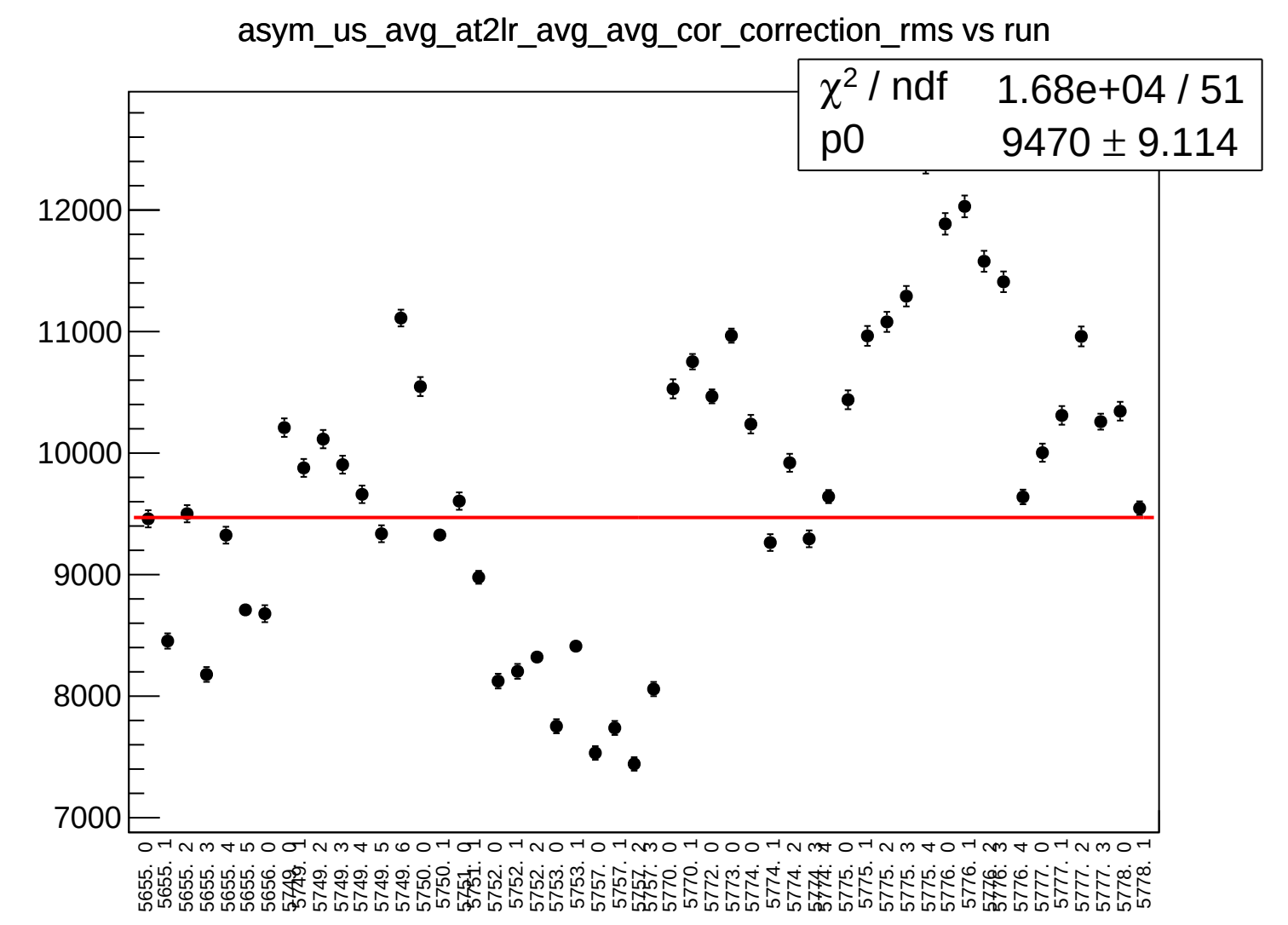
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_avg_at2lr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 49.42 / 51
p0 −6357 ± 1.289e+04
pull
Entries 52
Mean 47.91
Std Dev 47.54


pull1D
Entries 52
Mean 0.01446
Std Dev 0.9747


asym_us_avg_at2lr_avg_avg_cor_correction_rms vs run
χ² / ndf 1.68e+04 / 51
p0 9470 ± 9.114
12000
11000
10000
9000
8000
7000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
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5757. 2
5757. 3
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5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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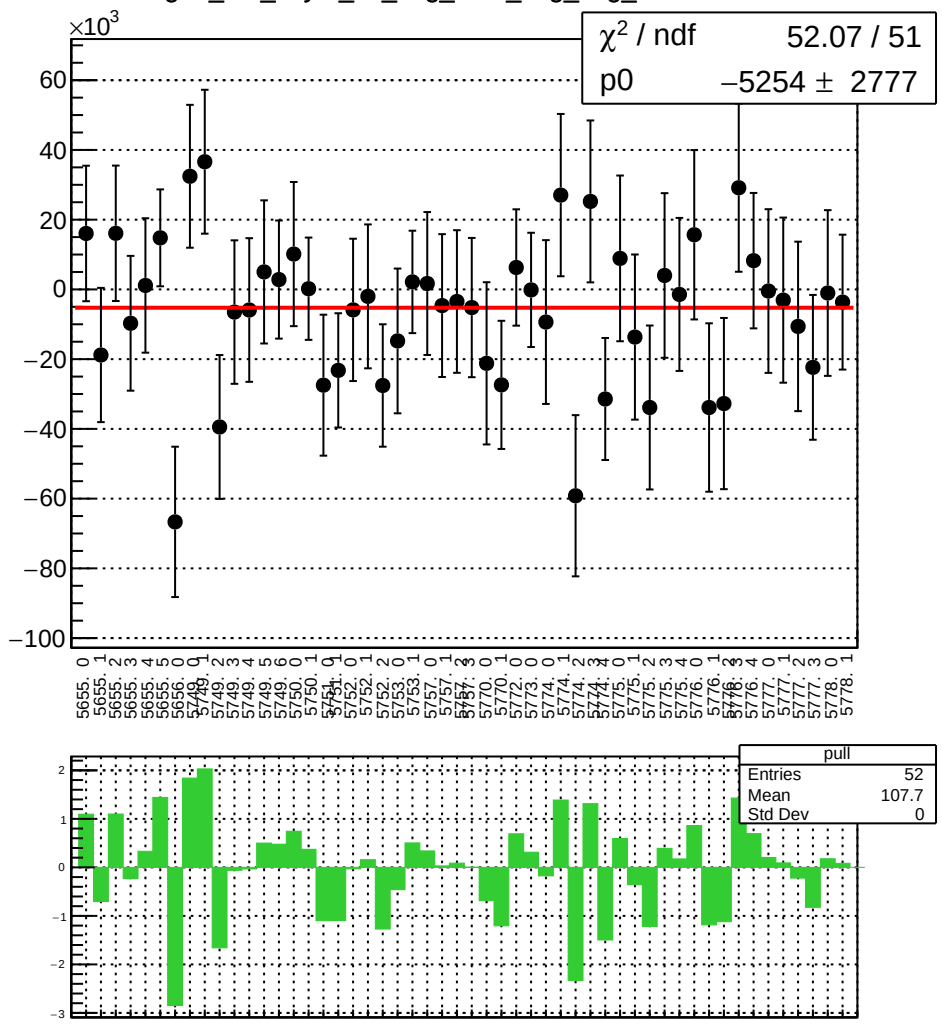
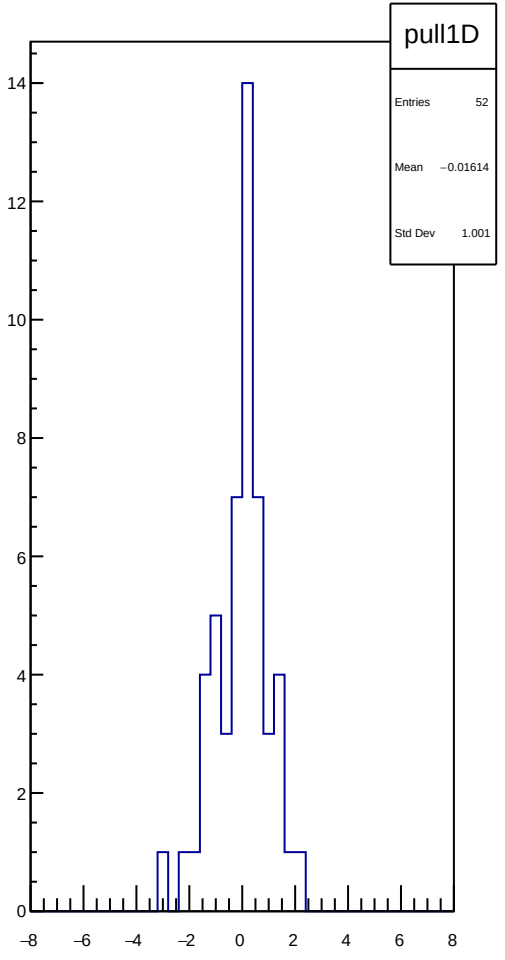
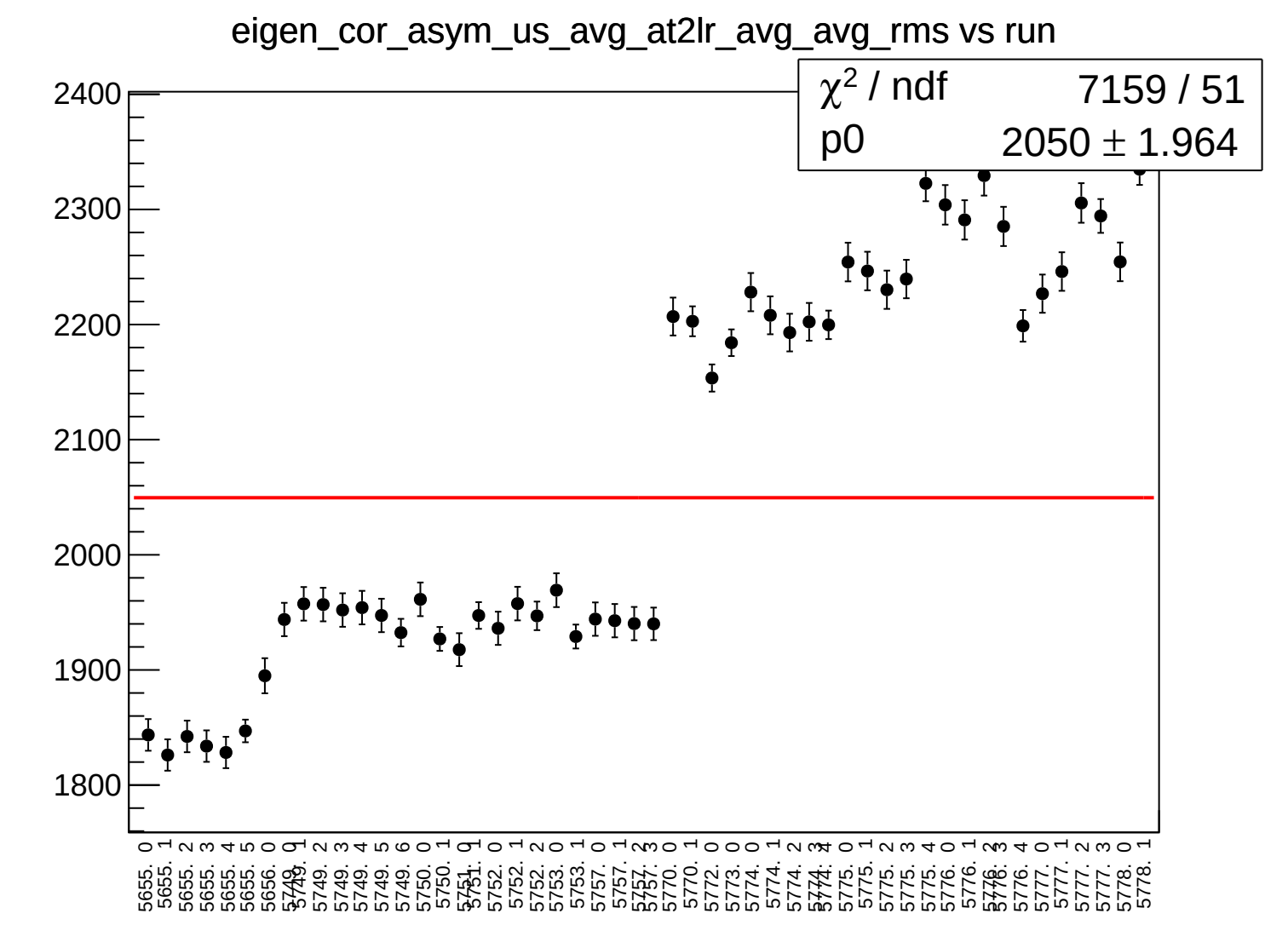
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 52.07 / 51
p0 −5254 ± 2777
pull
Entries 52
Mean 107.7
Std Dev 0


pull1D
Entries 52
Mean −0.01614
Std Dev 1.001


eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 7159 / 51
p0 2050 ± 1.964
2400
2300
2200
2100
2000
1900
1800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5774. 0
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5774. 2
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5774. 4
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5776. 0
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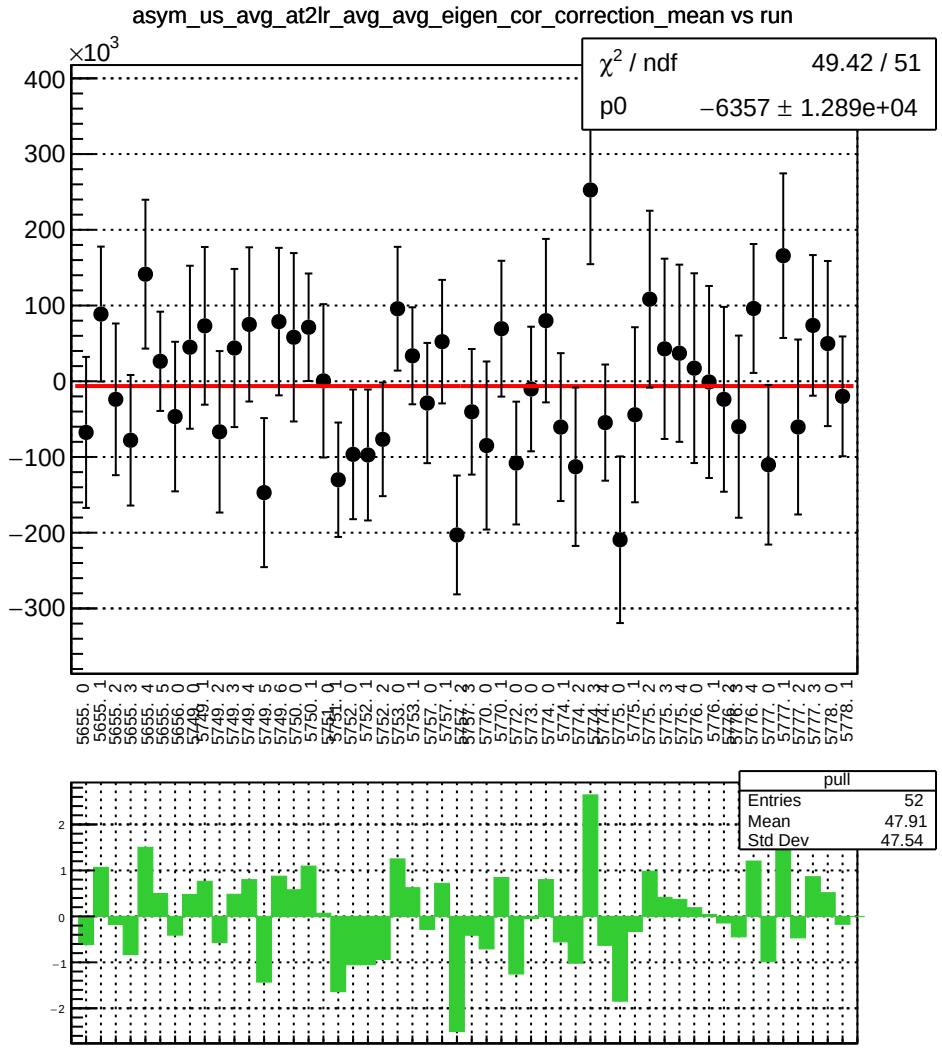
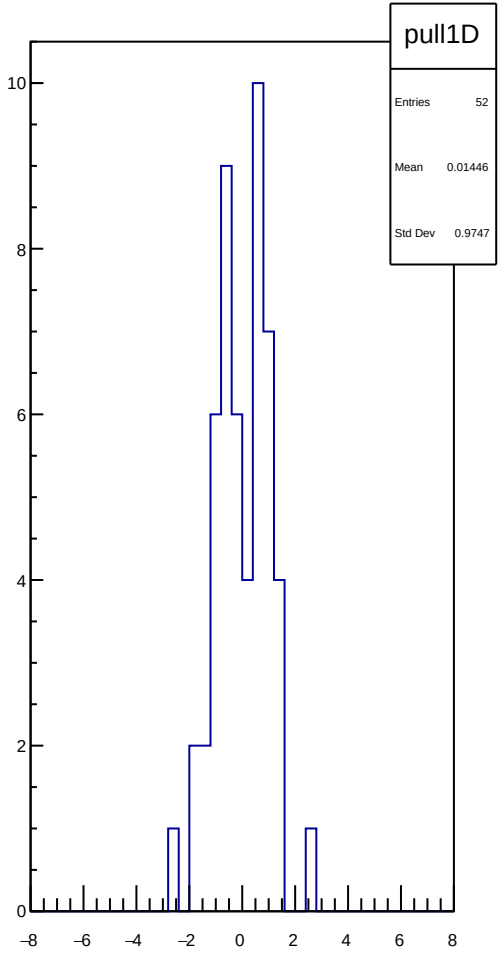
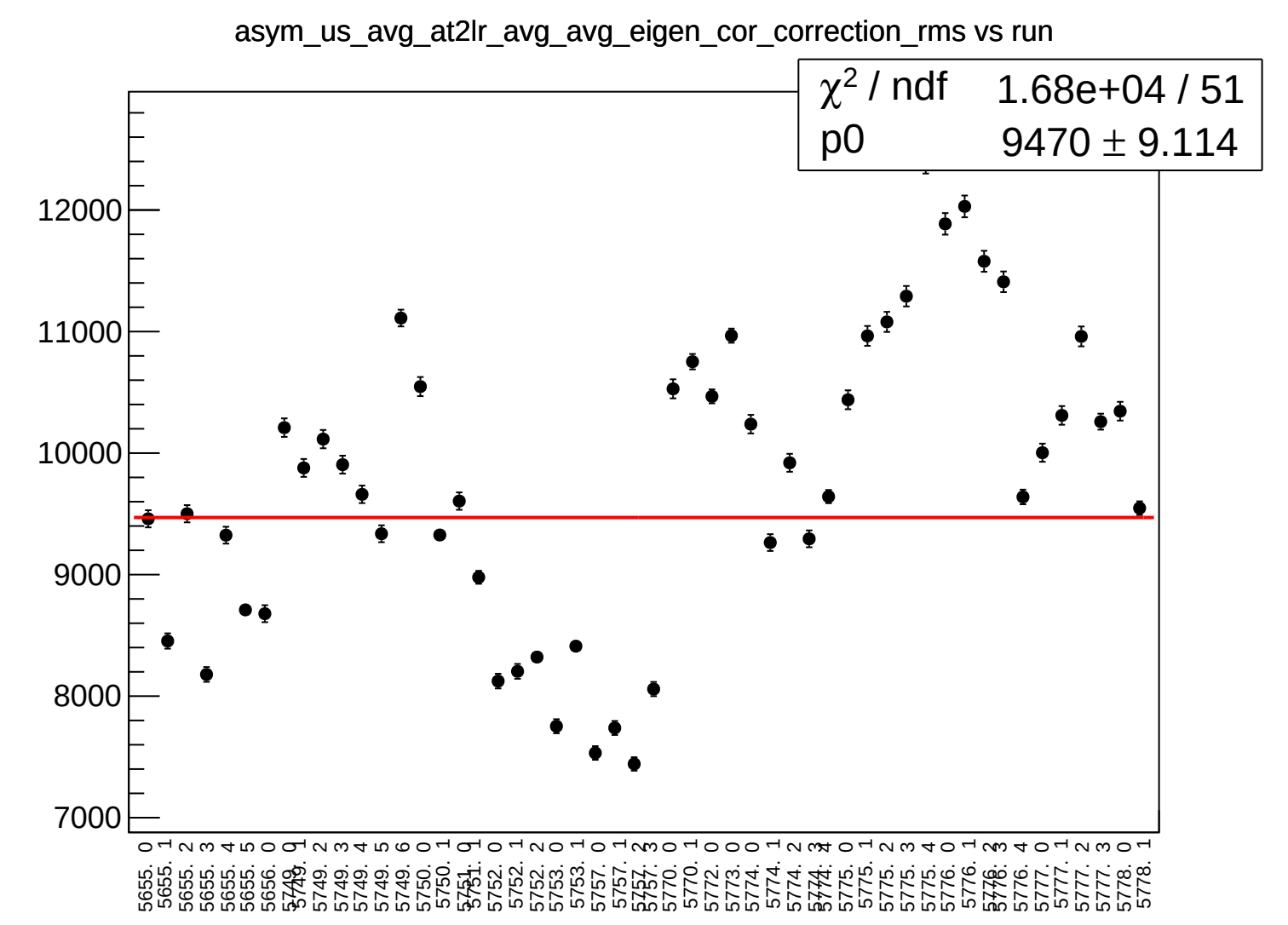
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 49.42 / 51
p0 −6357 ± 1.289e+04
pull
Entries 52
Mean 47.91
Std Dev 47.54


pull1D
Entries 52
Mean 0.01446
Std Dev 0.9747


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.68e+04 / 51
p0 9470 ± 9.114
12000
11000
10000
9000
8000
7000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5749. 6
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5752. 2
5753. 0
5753. 1
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5757. 1
5757. 2
5757. 3
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5770. 1
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5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
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5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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5776. 3
5776. 4
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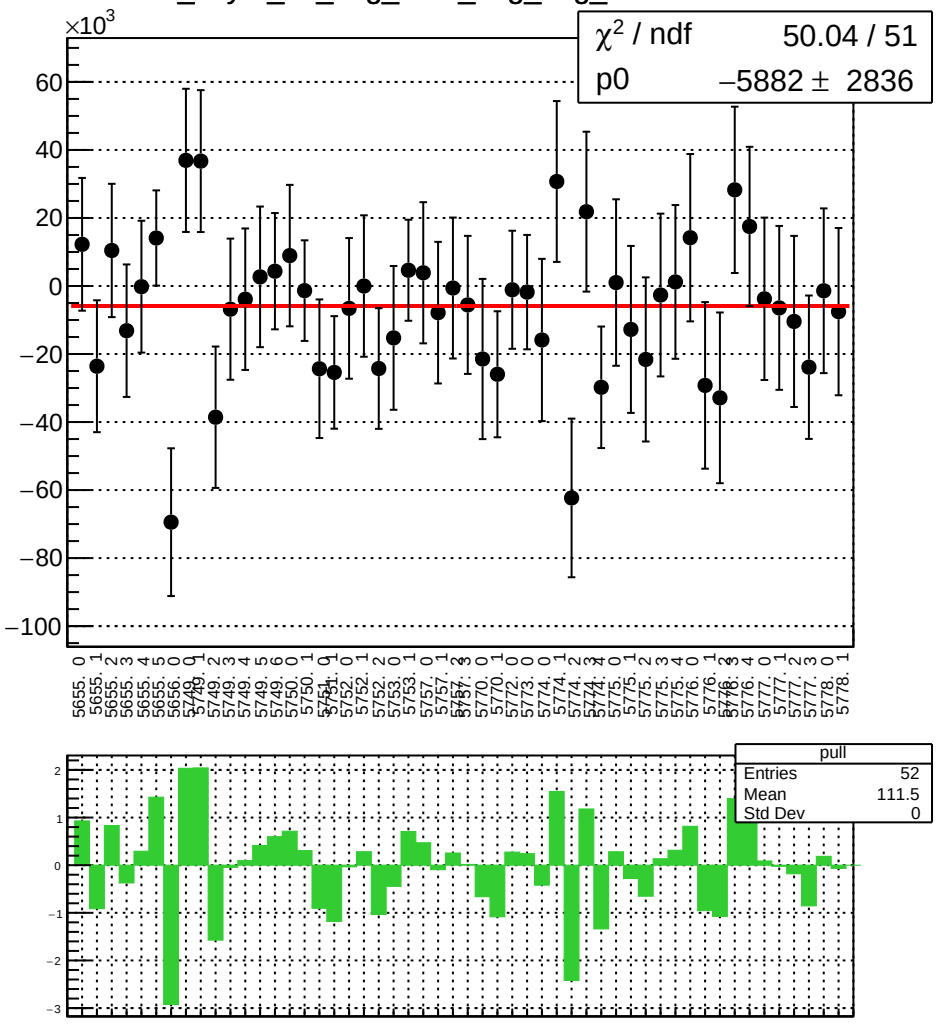
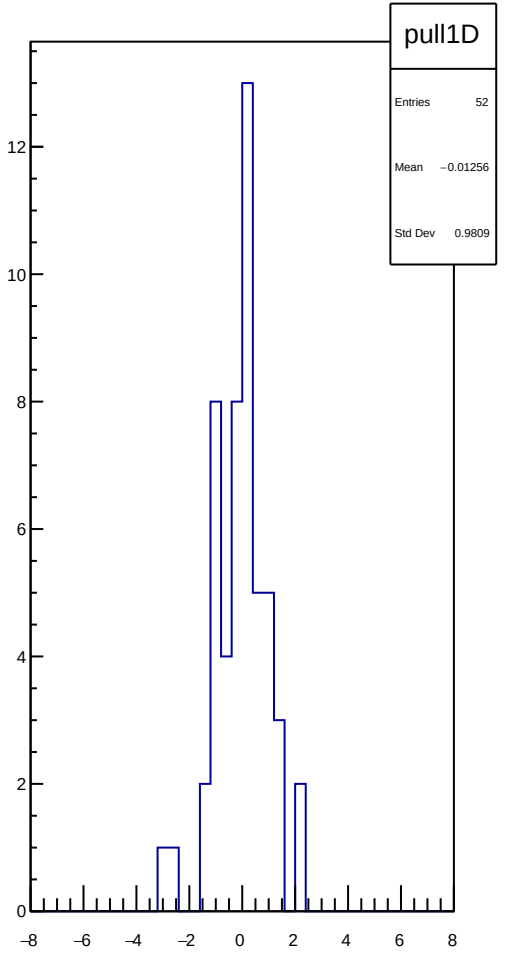
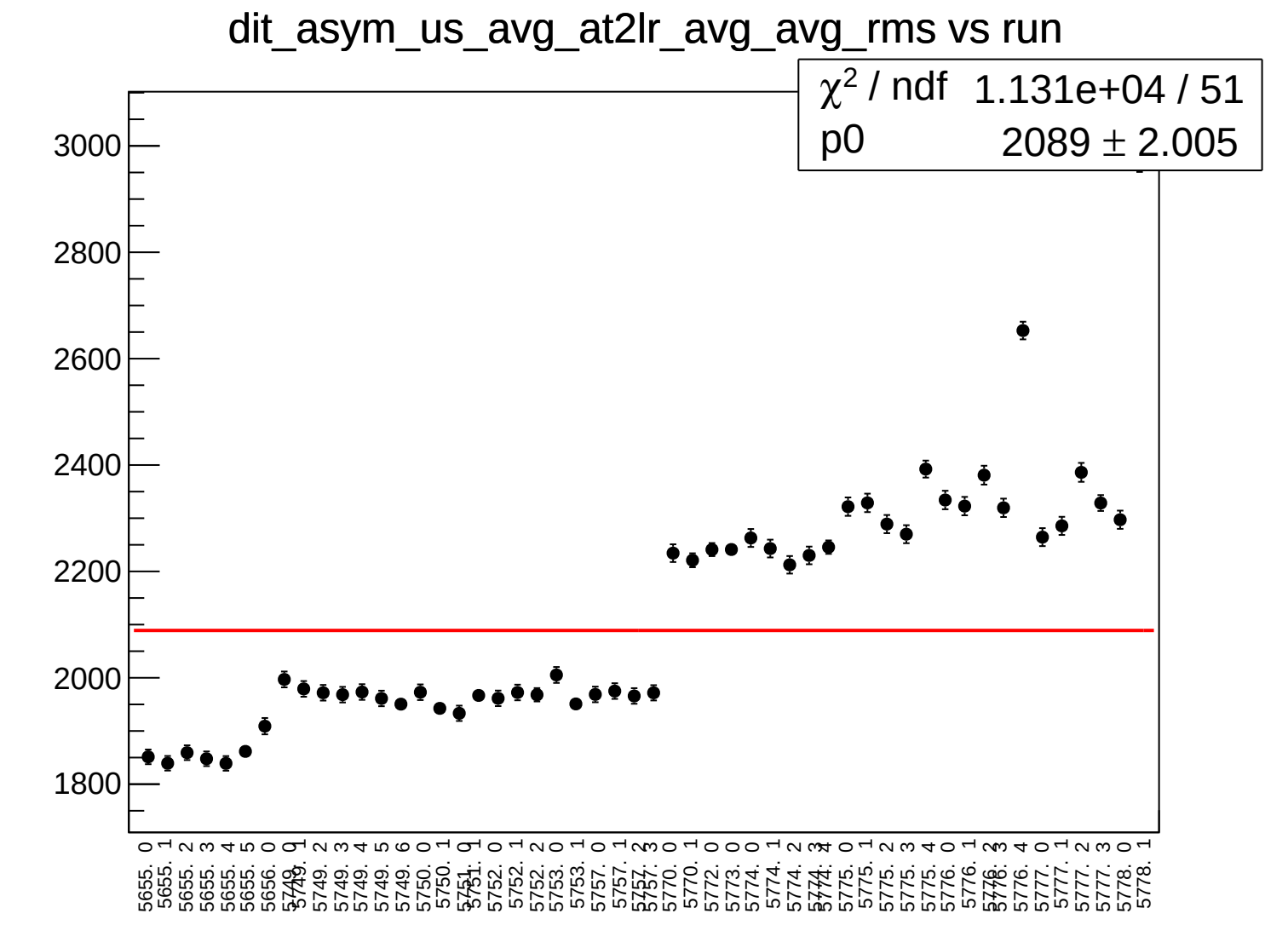
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


dit_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 50.04 / 51
p0 −5882 ± 2836
pull
Entries 52
Mean 111.5
Std Dev 0


pull1D
Entries 52
Mean −0.01256
Std Dev 0.9809


dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 1.131e+04 / 51
p0 2089 ± 2.005
3000
2800
2600
2400
2200
2000
1800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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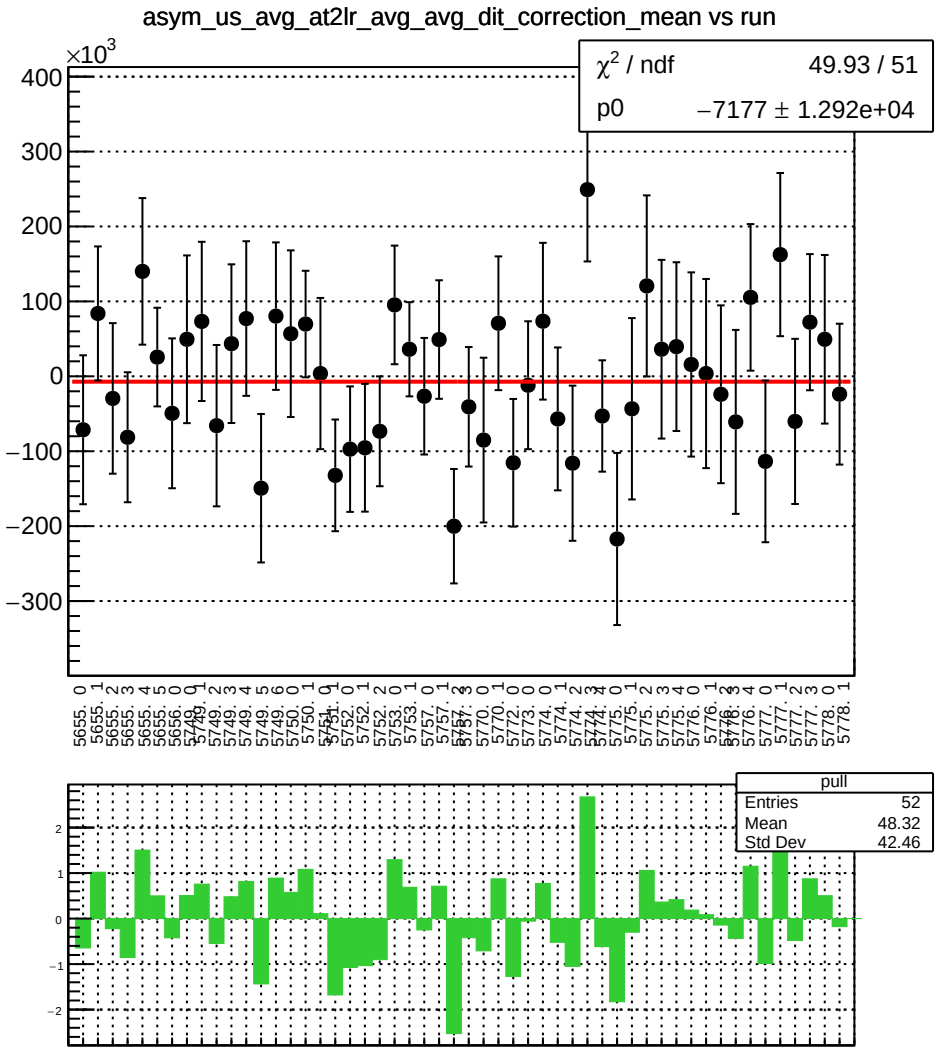
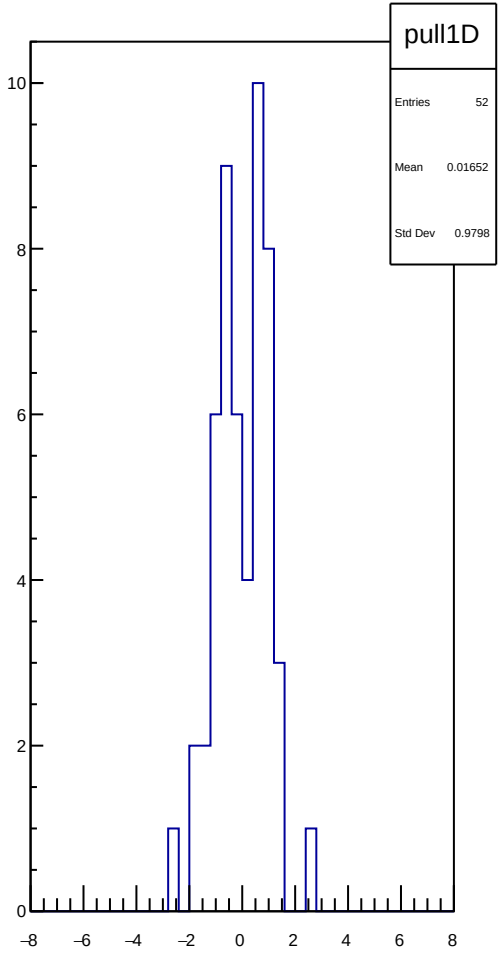
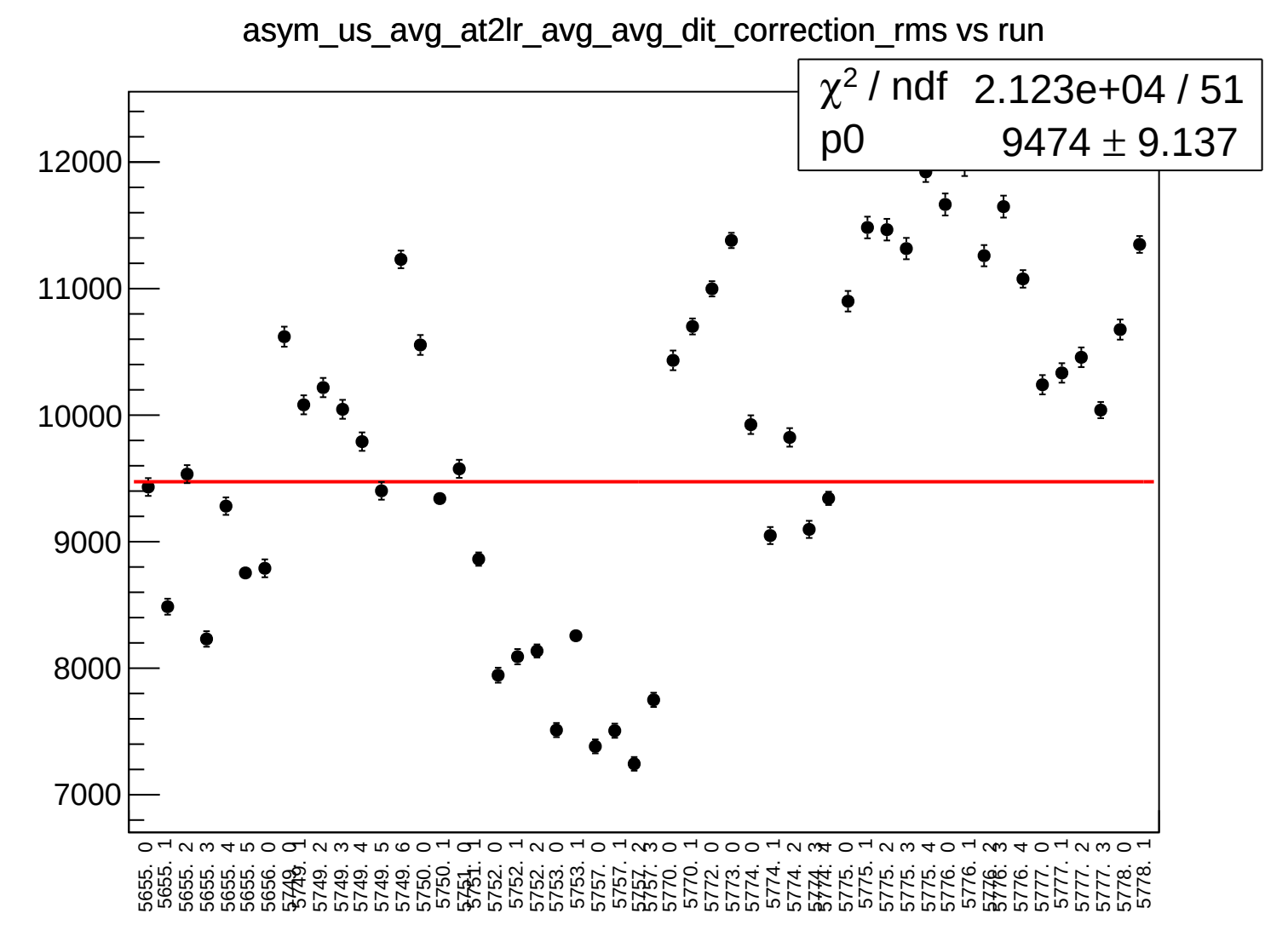
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_avg_at2lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 49.93 / 51
p0 −7177 ± 1.292e+04
pull
Entries 52
Mean 48.32
Std Dev 42.46


pull1D
Entries 52
Mean 0.01652
Std Dev 0.9798


asym_us_avg_at2lr_avg_avg_dit_correction_rms vs run
χ² / ndf 2.123e+04 / 51
p0 9474 ± 9.137
12000
11000
10000
9000
8000
7000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
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5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
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5776. 0
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5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
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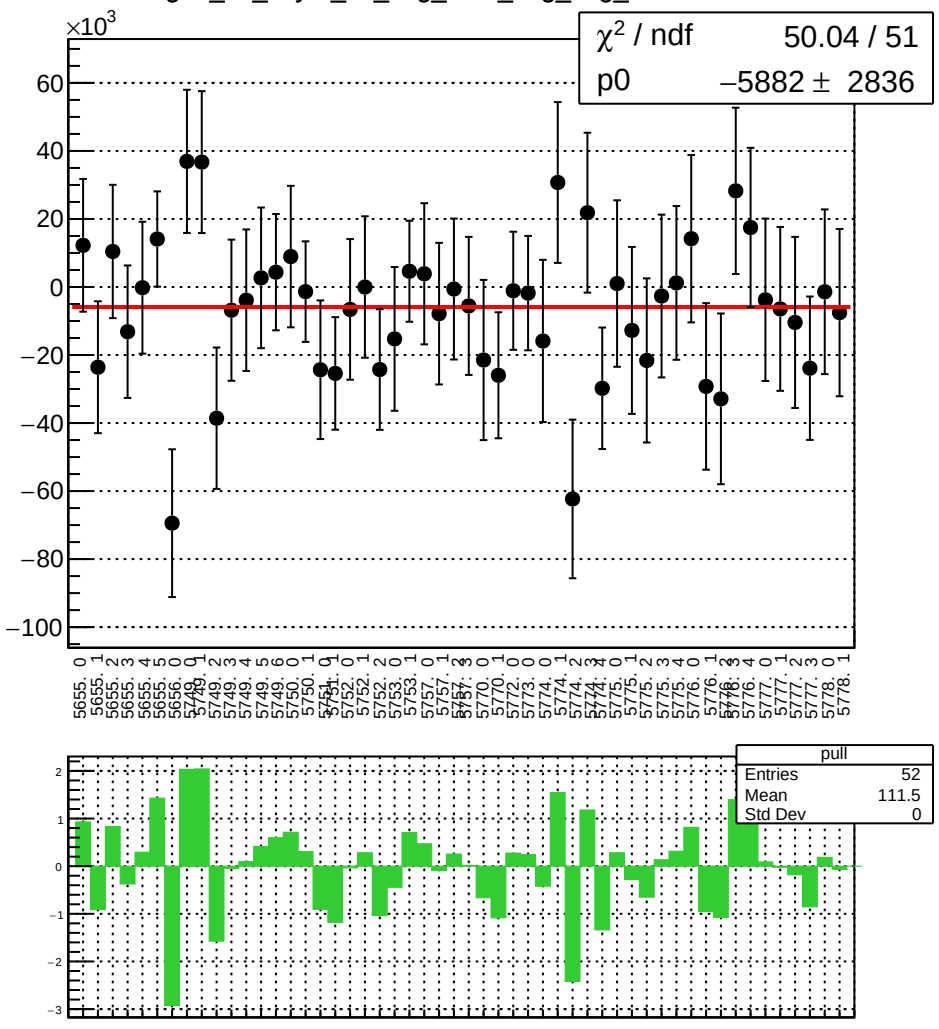
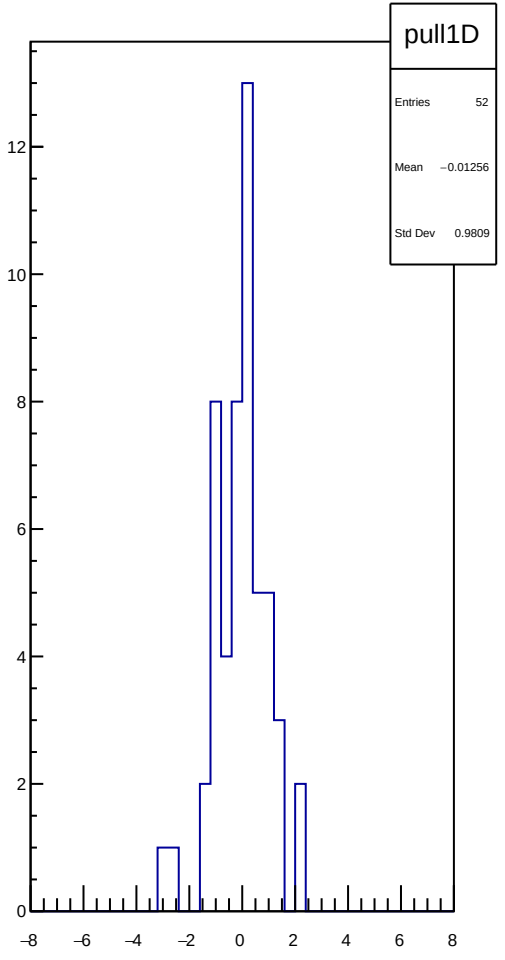
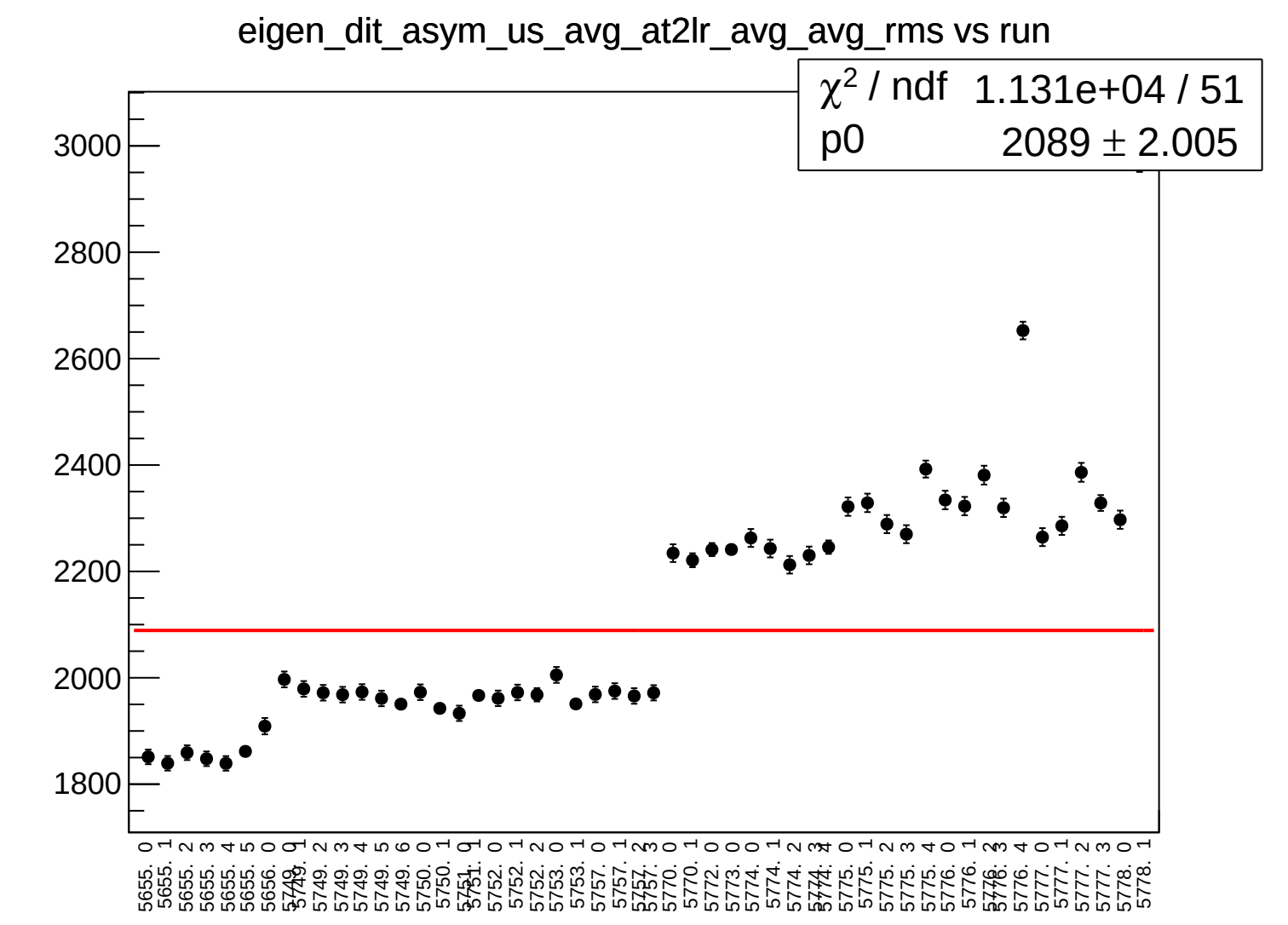
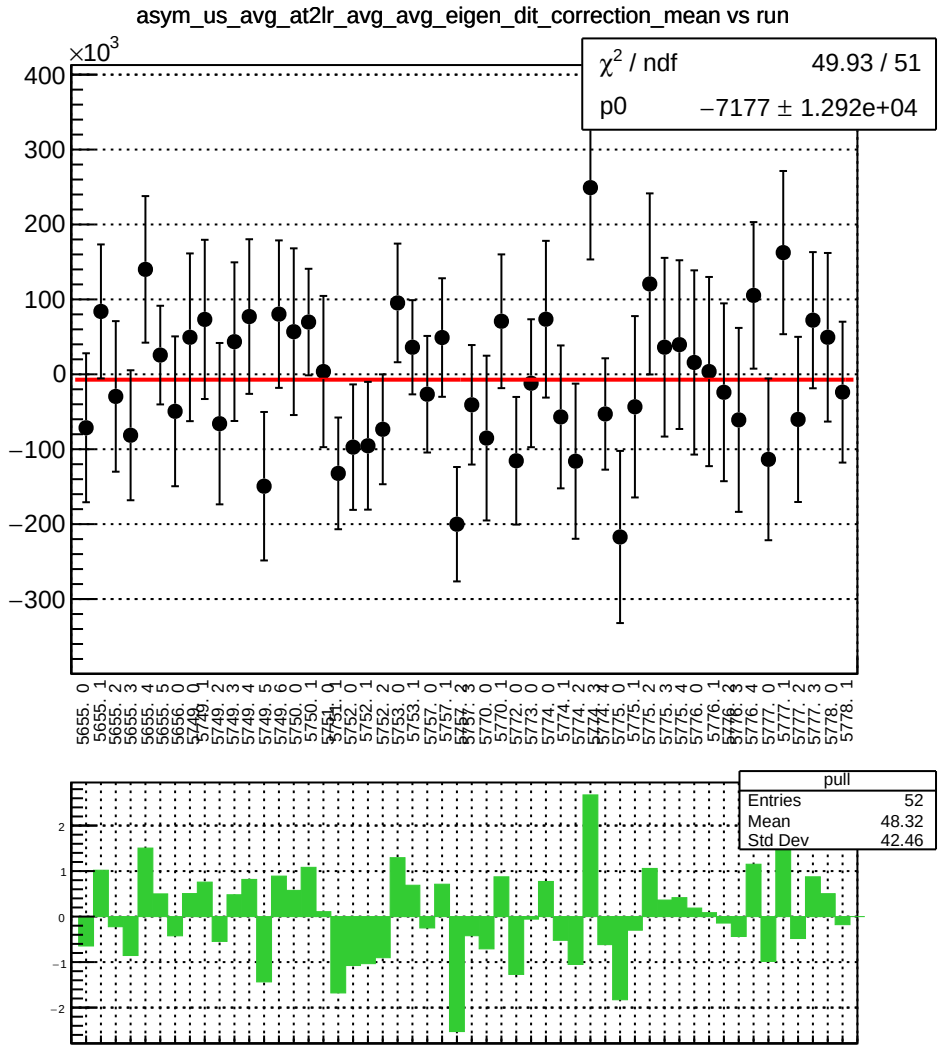
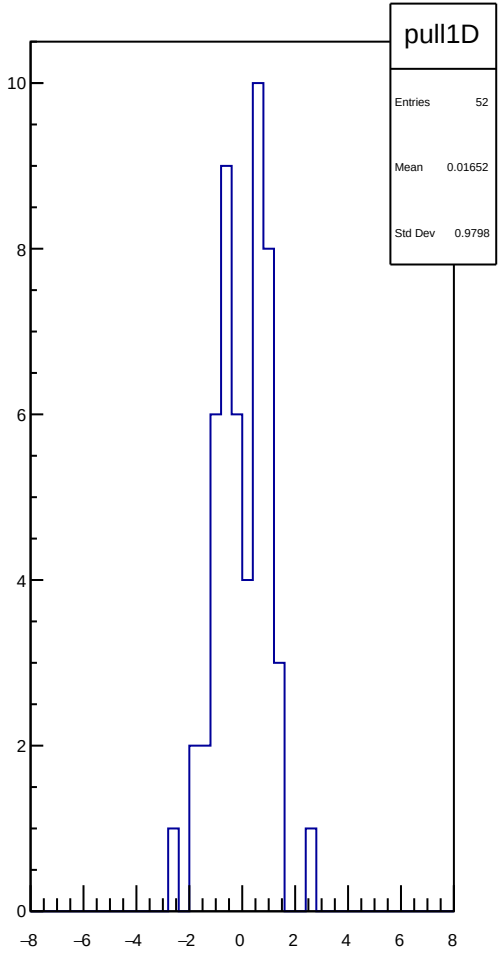
5778. 0
5778. 1

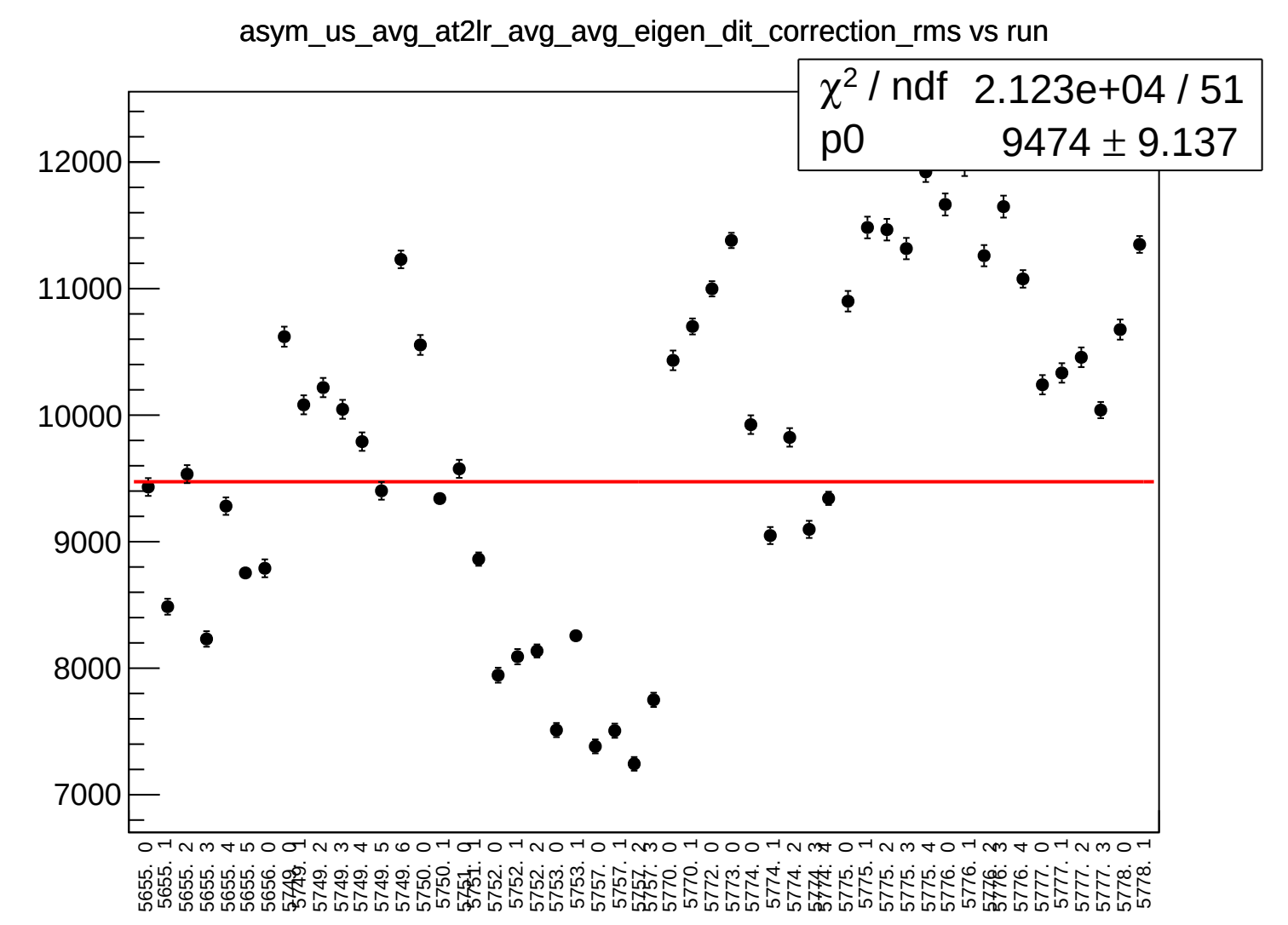

eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 50.04 / 51
p0 −5882 ± 2836
×10³
pull
Entries 52
Mean 111.5
Std Dev 0

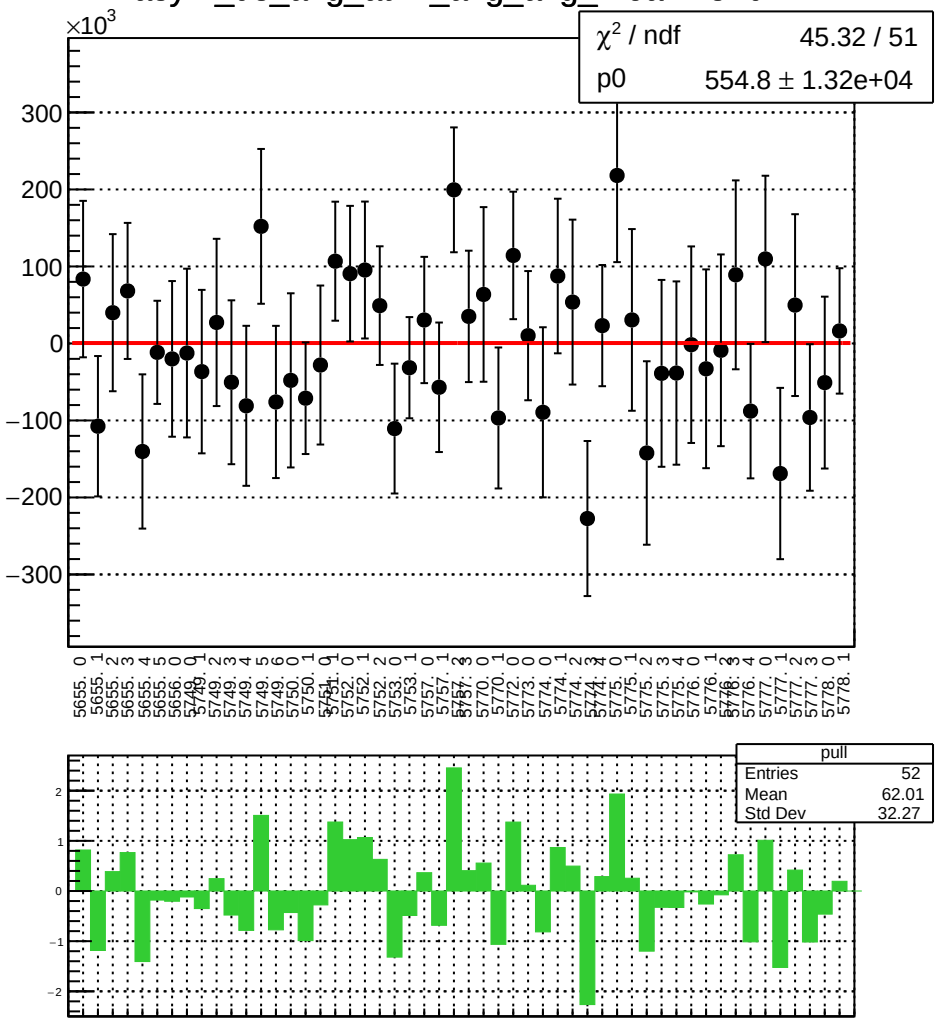

pull1D
Entries 52
Mean −0.01256
Std Dev 0.9809

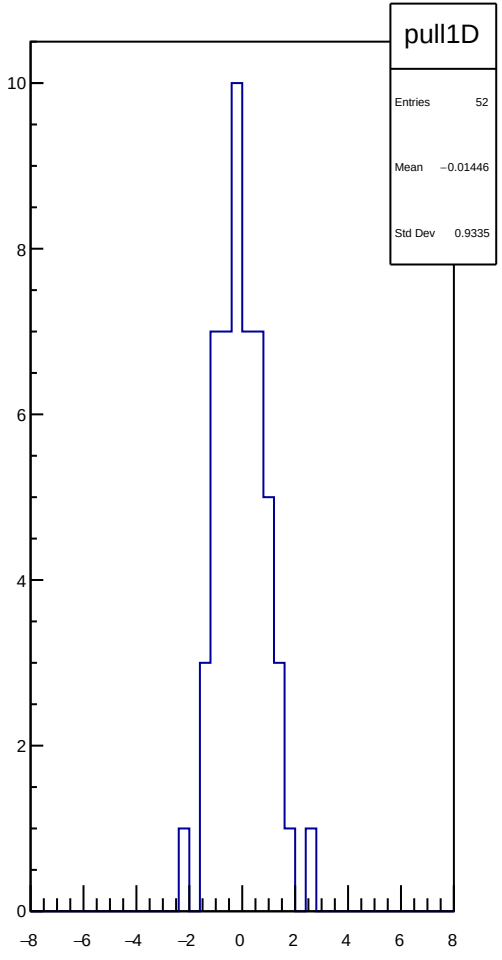

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 1.131e+04 / 51
p0 2089 ± 2.005
3000
2800
2600
2400
2200
2000
1800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

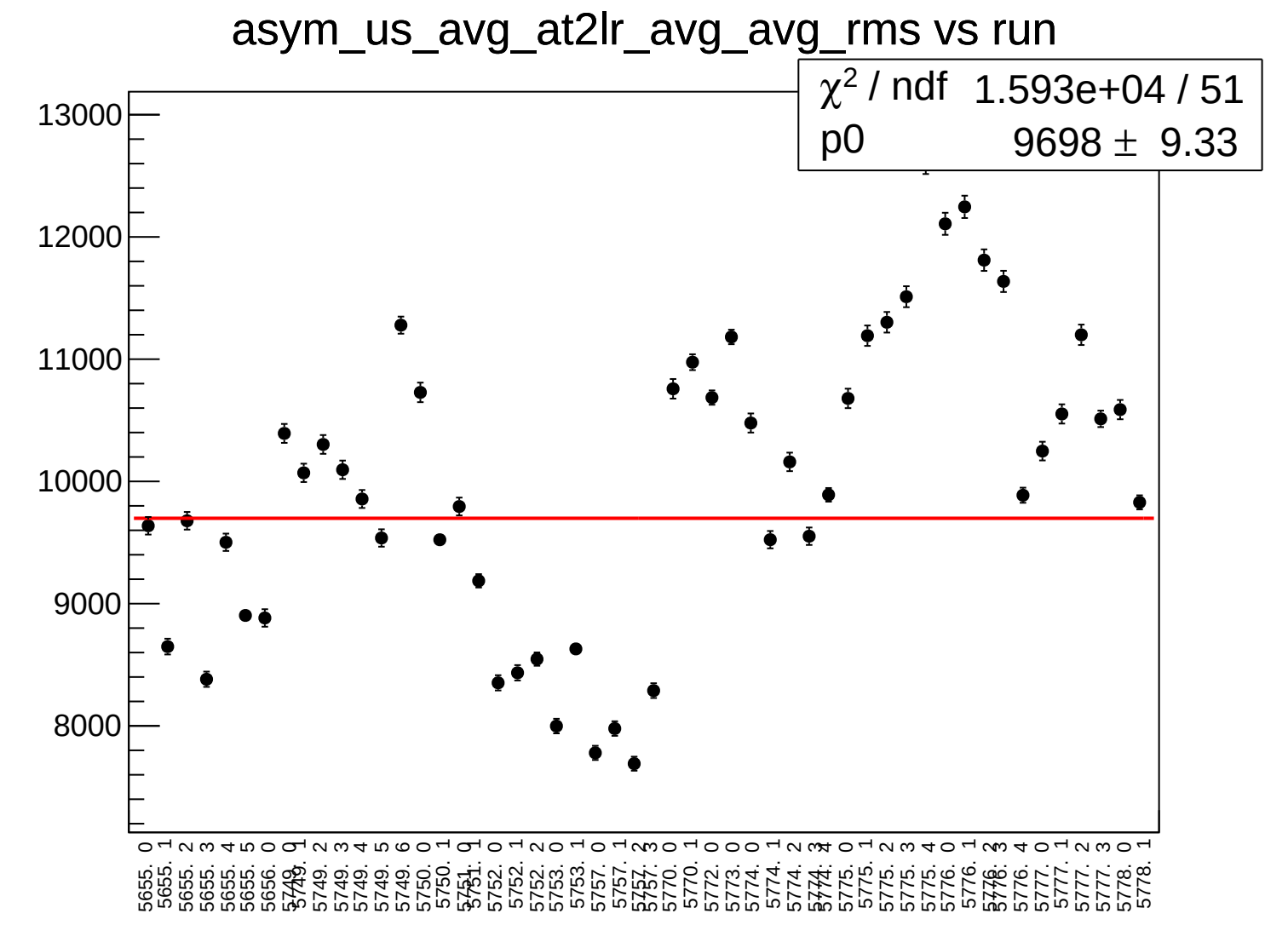

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 49.93 / 51
p0 −7177 ± 1.292e+04
pull
Entries 52
Mean 48.32
Std Dev 42.46

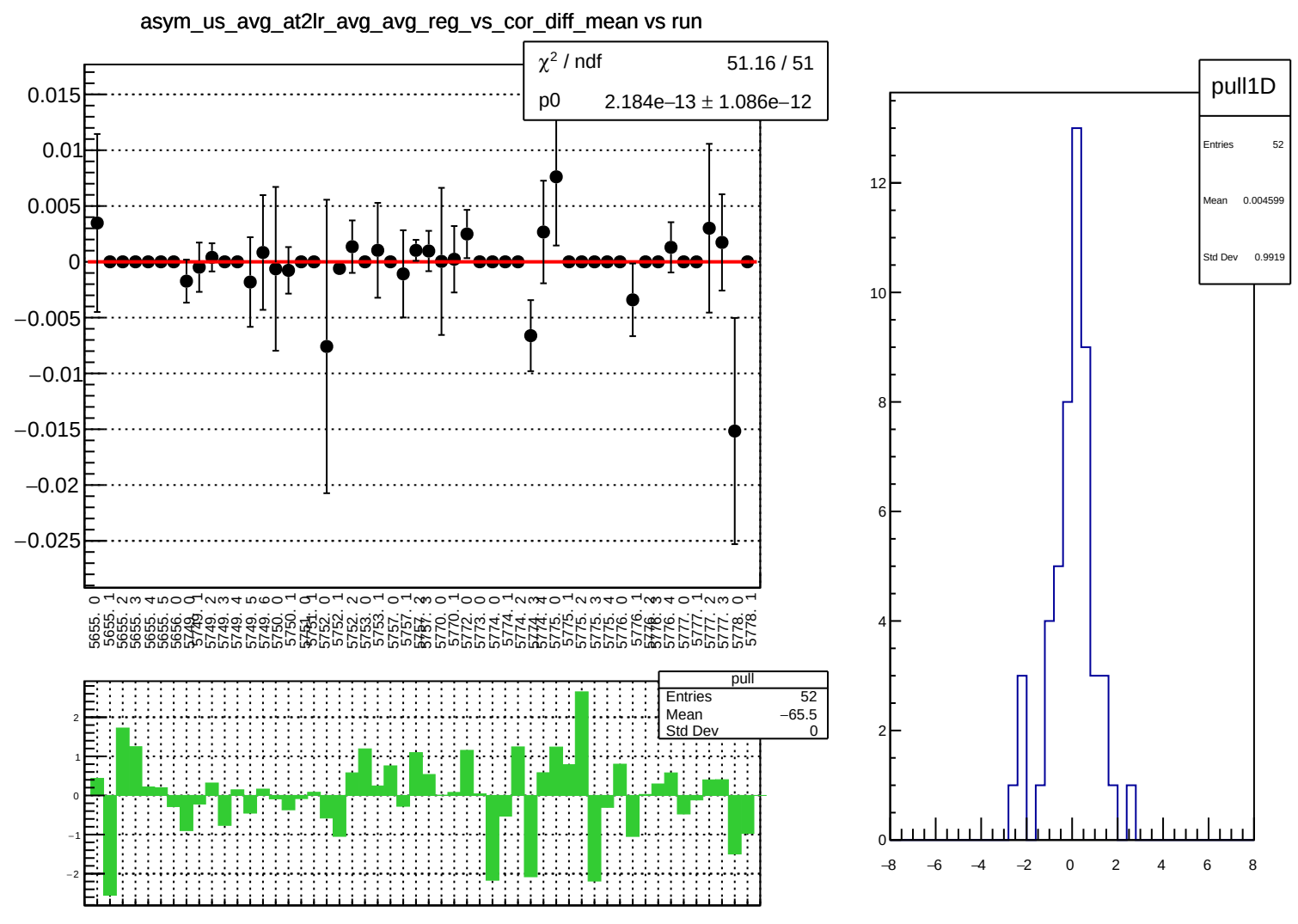

pull1D
Entries 52
Mean 0.01652
Std Dev 0.9798

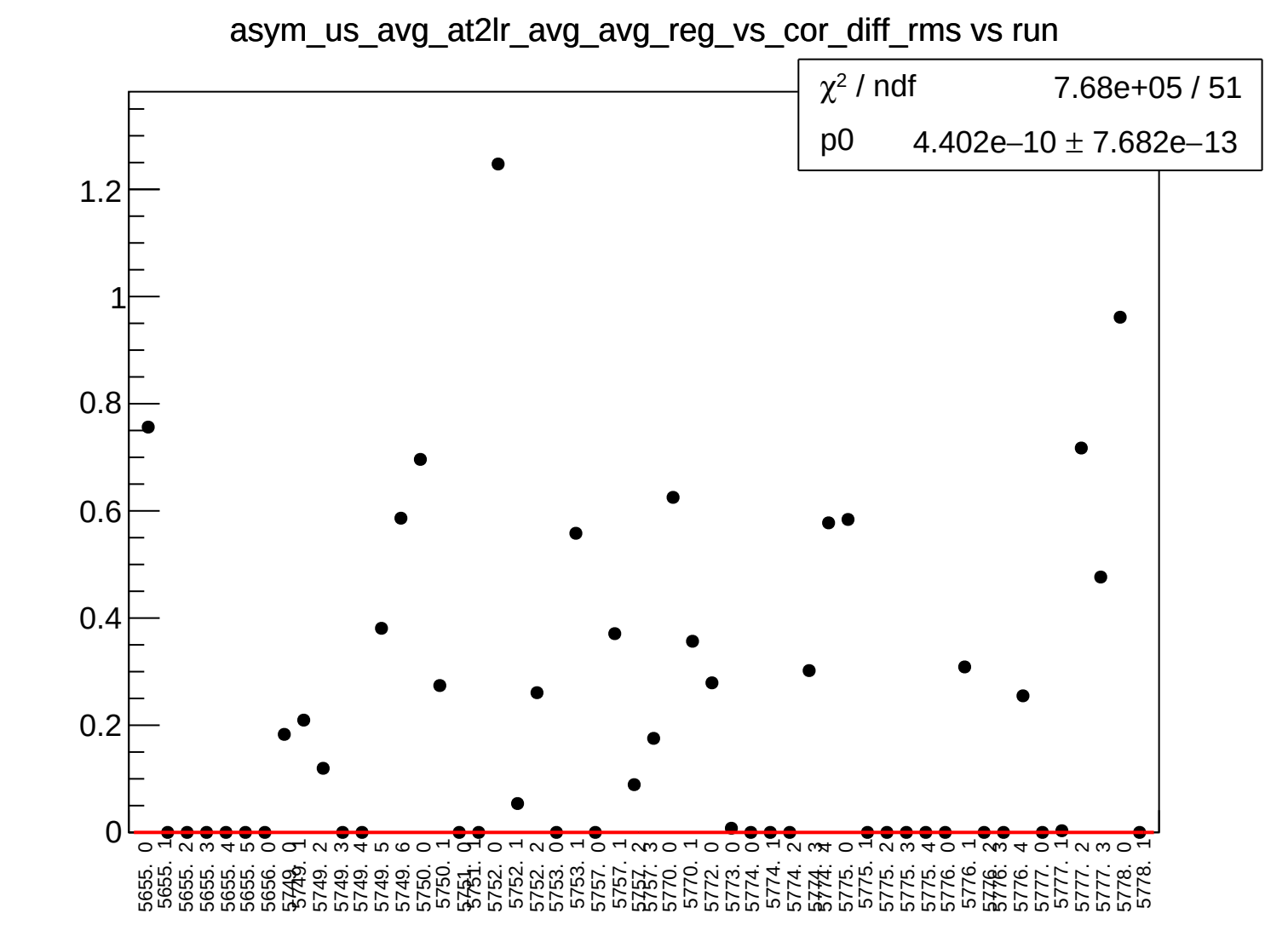

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.123e+04 / 51
p0 9474 ± 9.137
12000
11000
10000
9000
8000
7000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

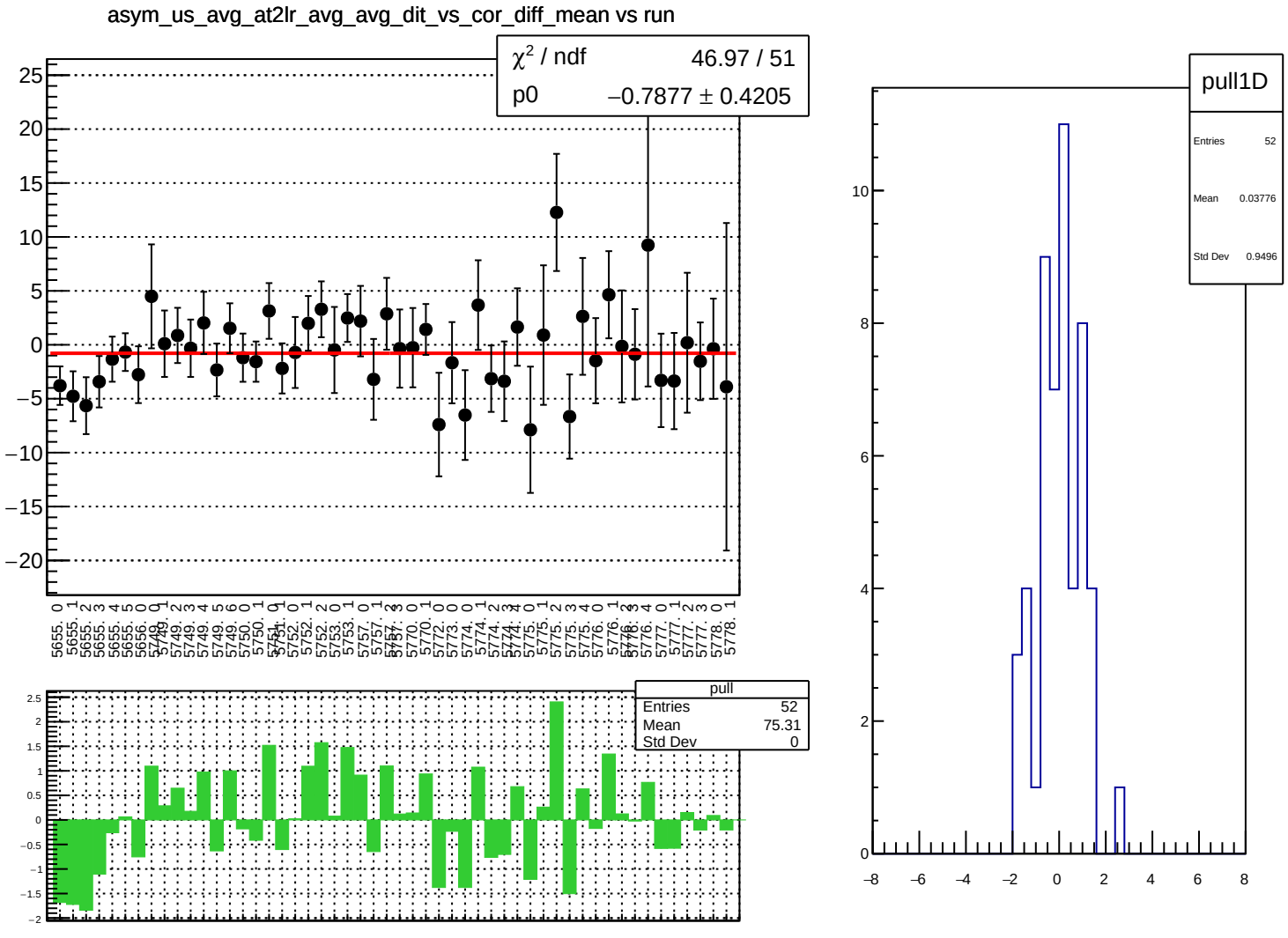

asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 45.32 / 51
p0 554.8 ± 1.32e+04
300
200
100
0
−100
−200
−300
pull
Entries 52
Mean 62.01
Std Dev 32.27
2
1
0
−1
−2

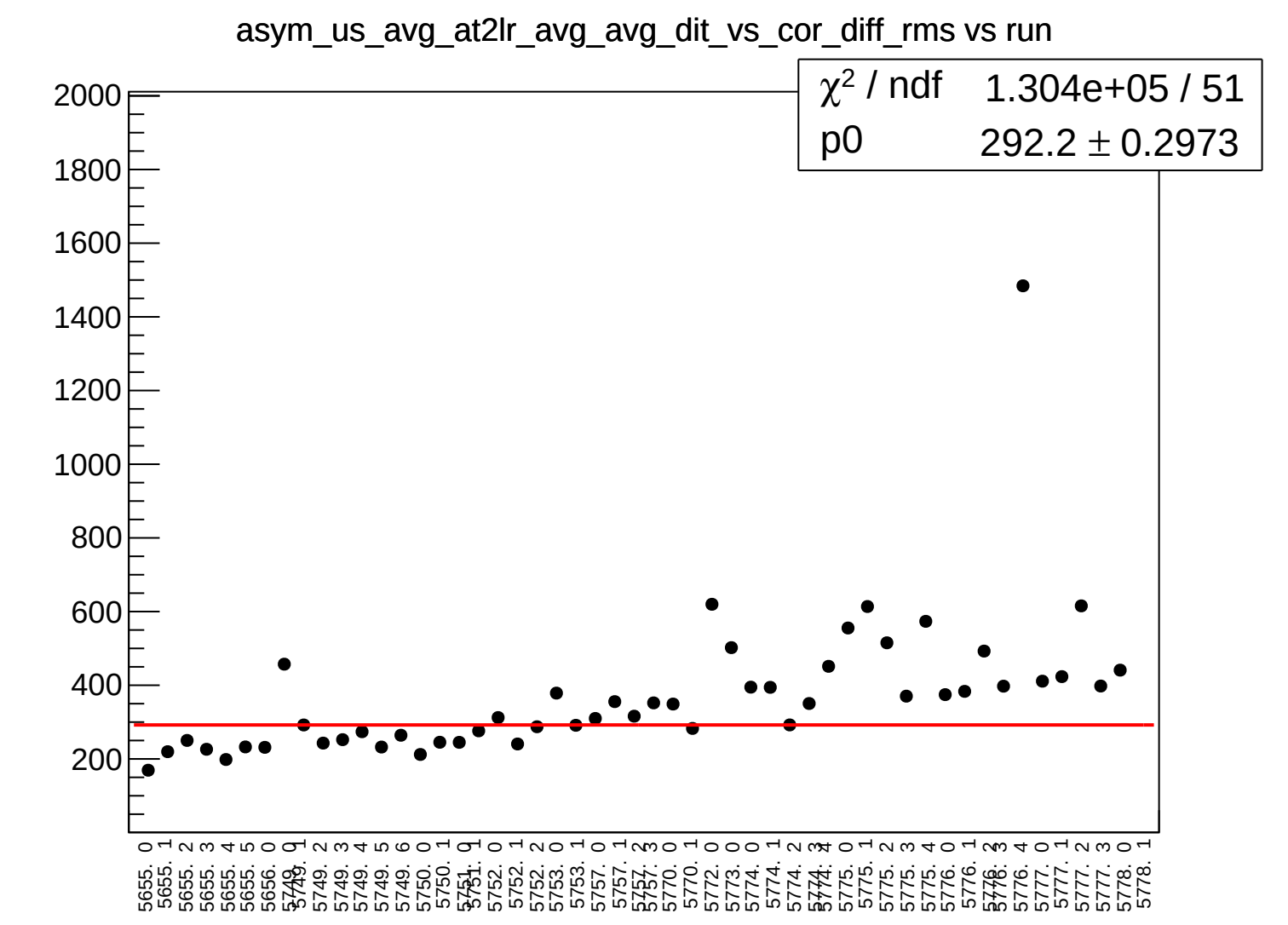

pull1D
Entries 52
Mean −0.01446
Std Dev 0.9335
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

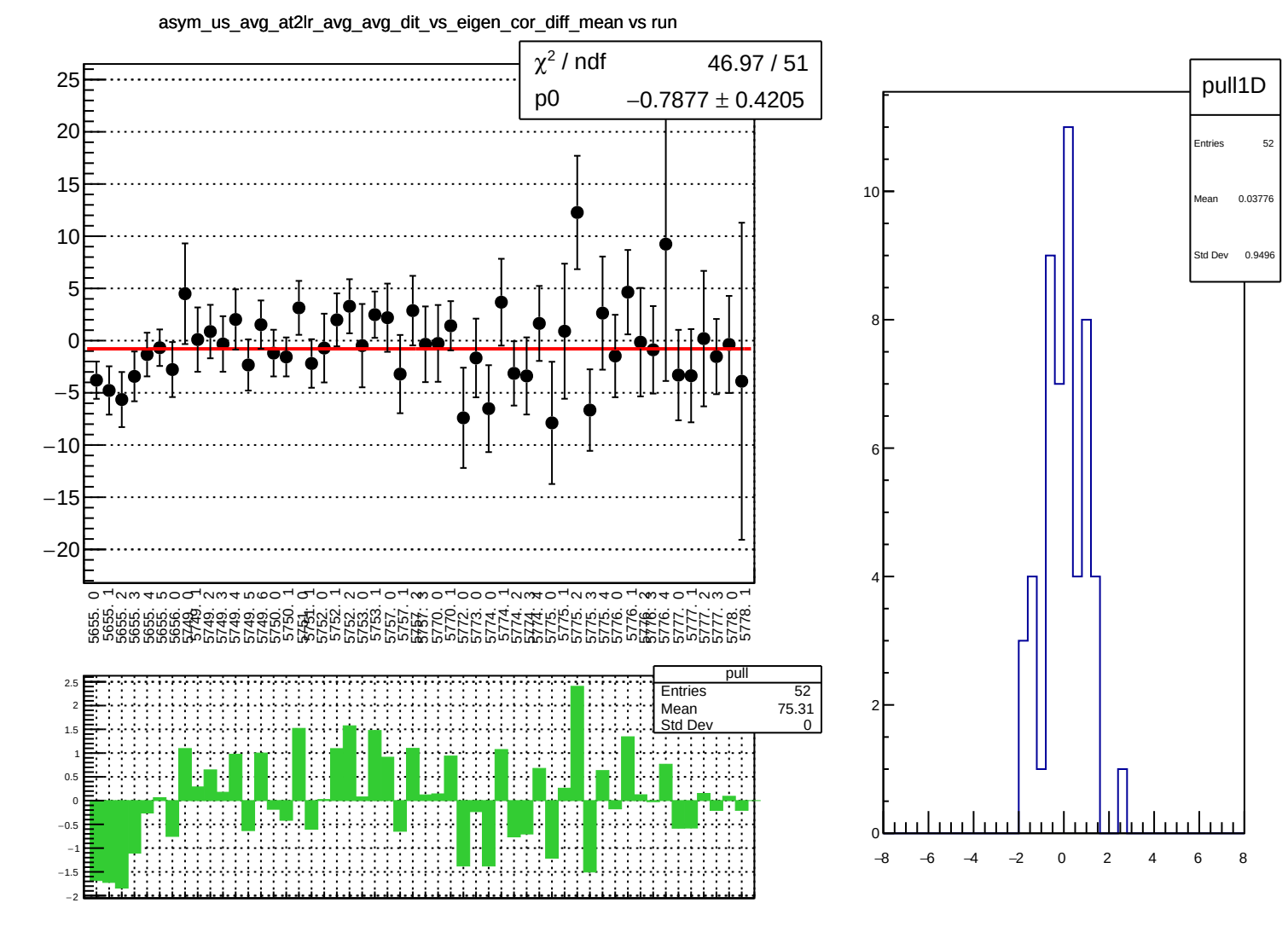

asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 1.593e+04 / 51
p0 9698 ± 9.33
13000
12000
11000
10000
9000
8000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

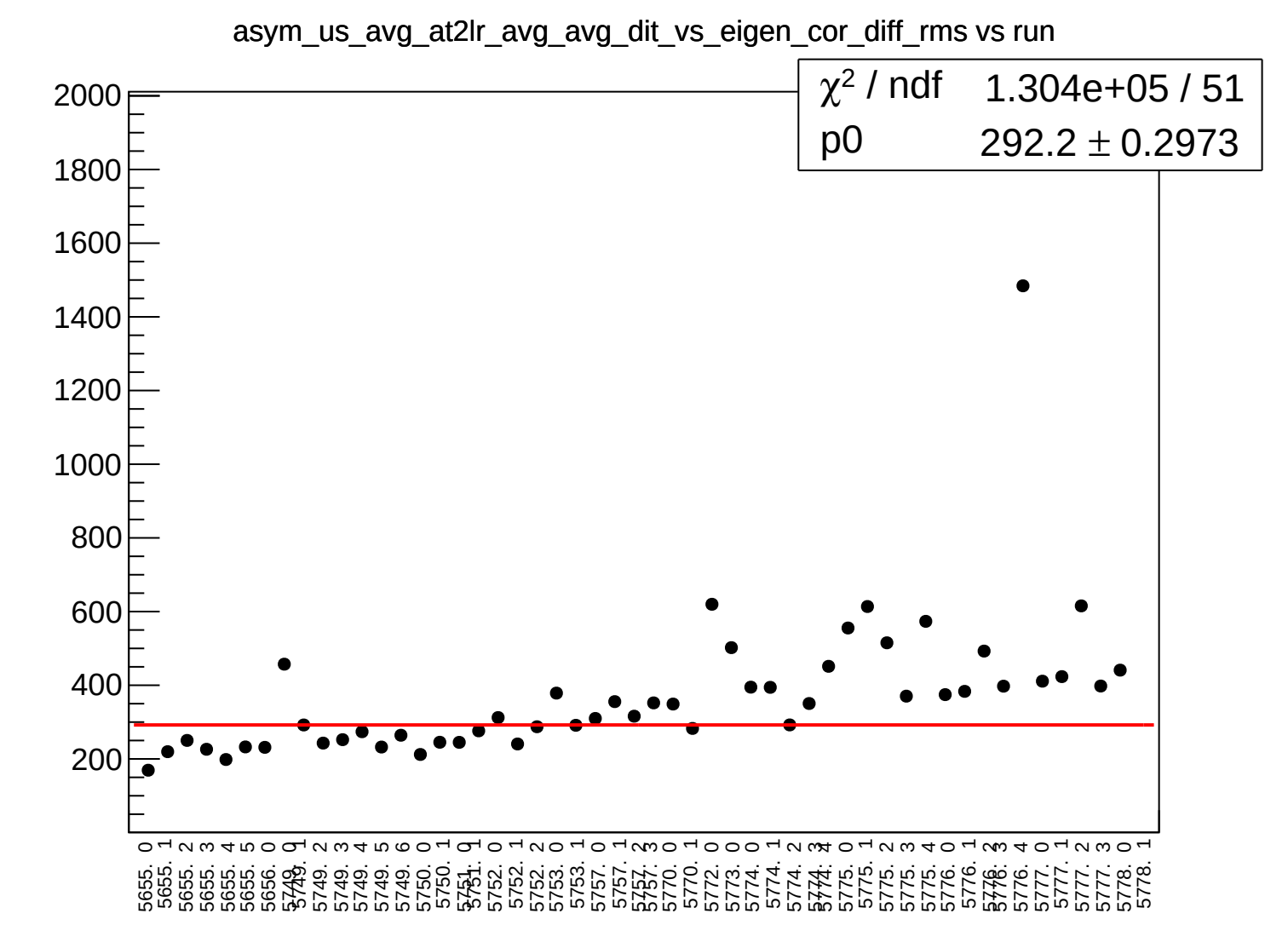

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 51.16 / 51
p0 2.184e−13 ± 1.086e−12
pull
Entries 52
Mean −65.5
Std Dev 0
pull1D
Entries 52
Mean 0.004599
Std Dev 0.9919

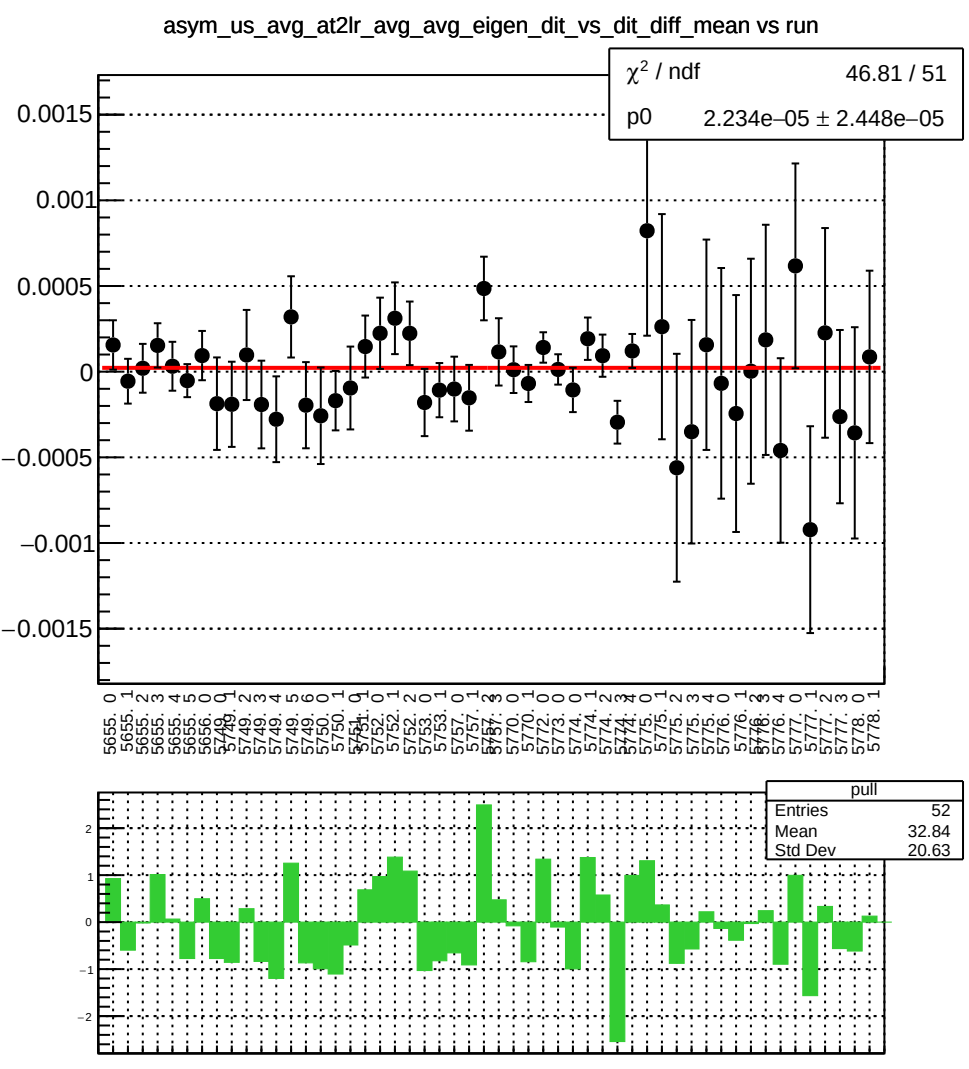

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.68e+05 / 51
p0 4.402e−10 ± 7.682e−13
1.2
1
0.8
0.6
0.4
0.2
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

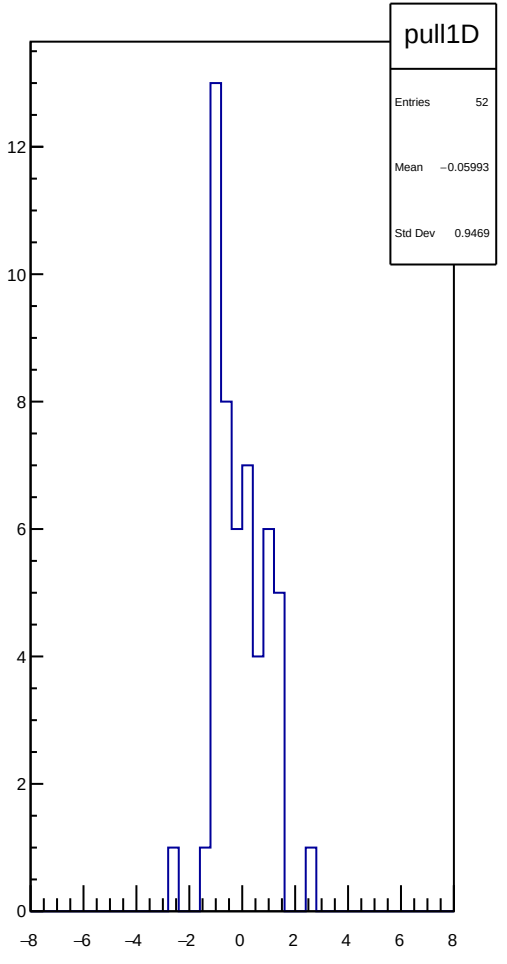

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 46.97 / 51
p0 −0.7877 ± 0.4205
pull
Entries 52
Mean 75.31
Std Dev 0
pull1D
Entries 52
Mean 0.03776
Std Dev 0.9496

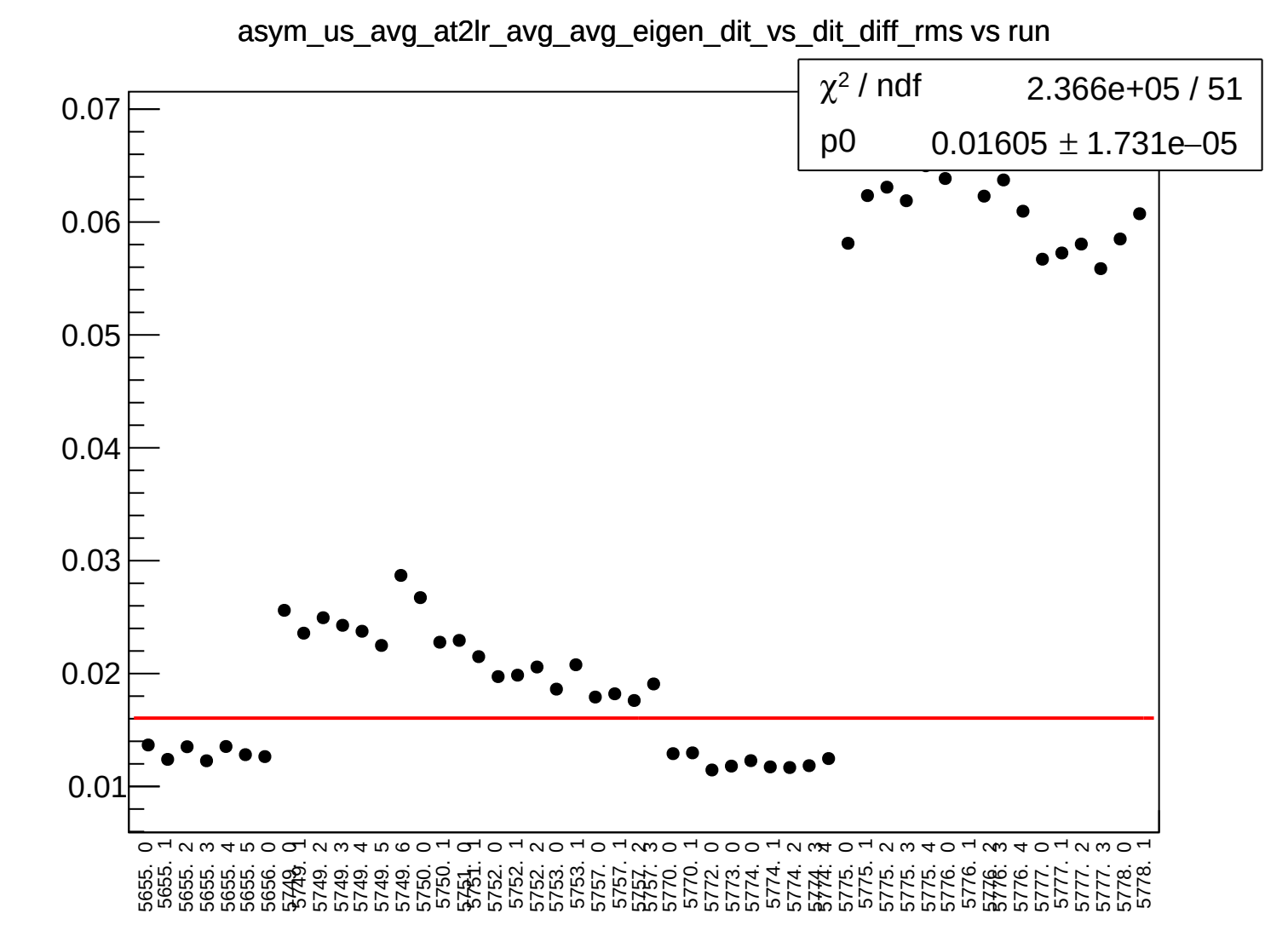

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.304e+05 / 51
p0 292.2 ± 0.2973
2000
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

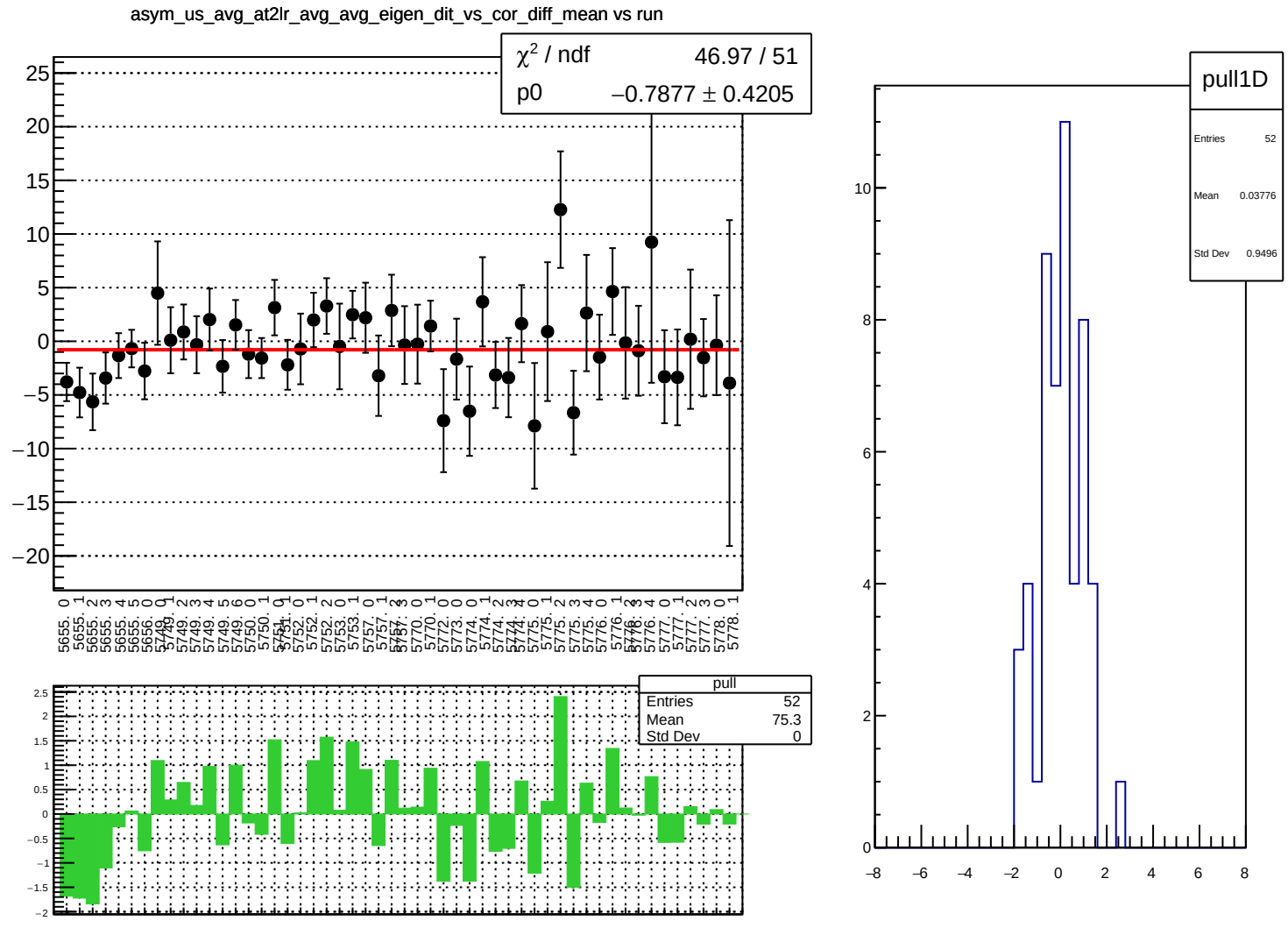

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.97 / 51
p0 −0.7877 ± 0.4205
pull
Entries 52
Mean 75.31
Std Dev 0
pull1D
Entries 52
Mean 0.03776
Std Dev 0.9496

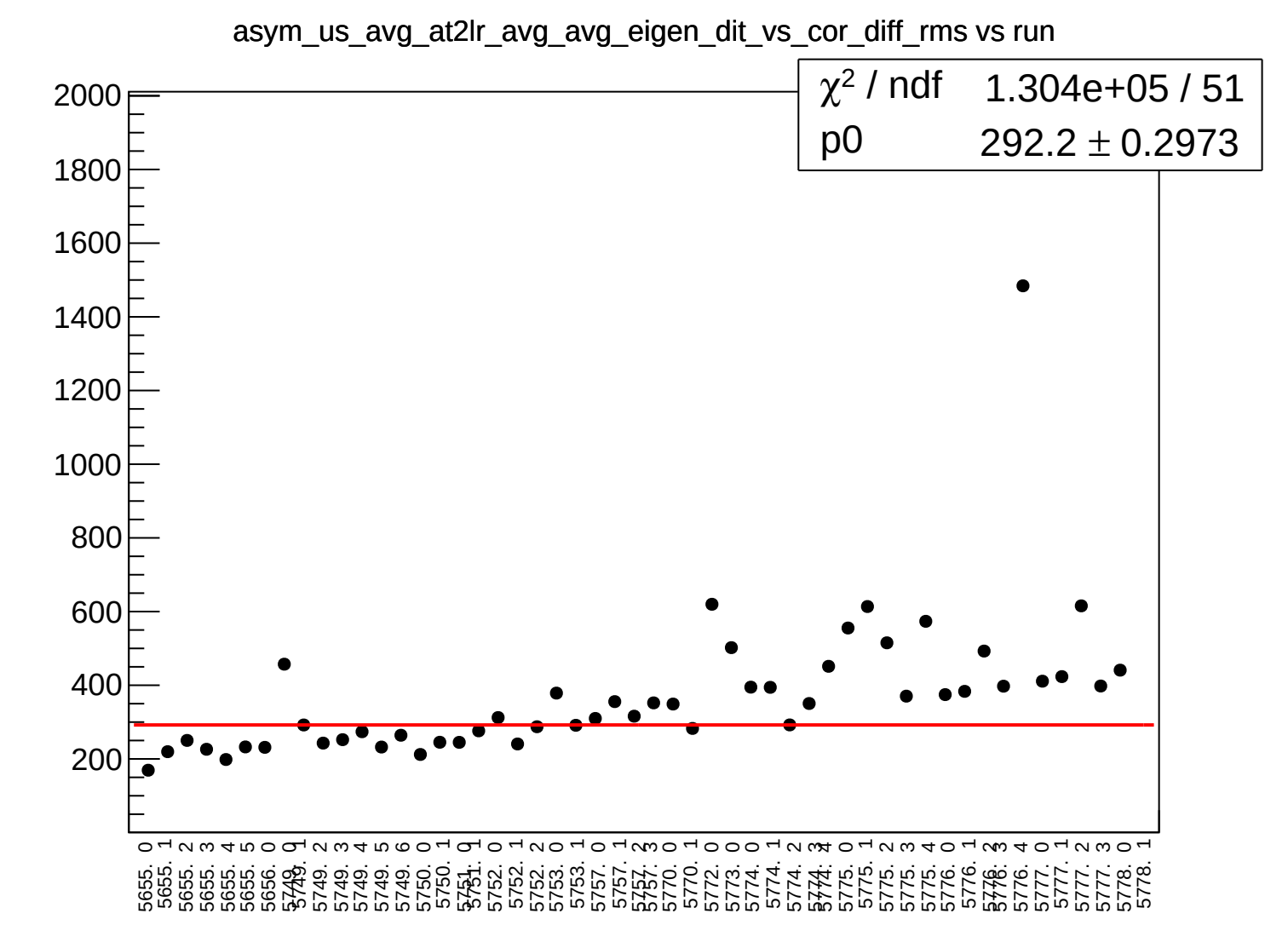

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.304e+05 / 51
p0 292.2 ± 0.2973
2000
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

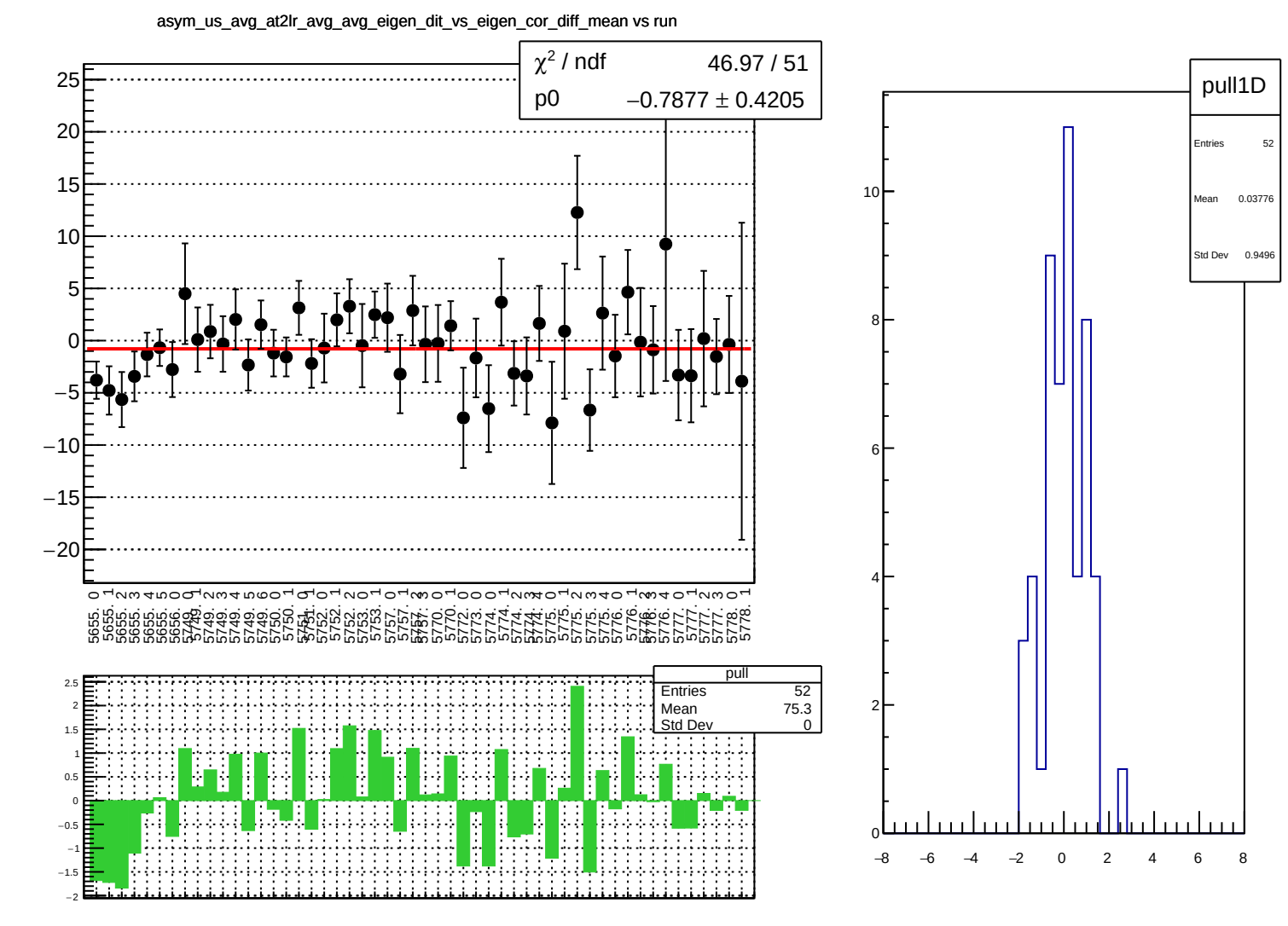

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 46.81 / 51
p0 2.234e−05 ± 2.448e−05
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 52
Mean 32.84
Std Dev 20.63
2
1
0
−1
−2

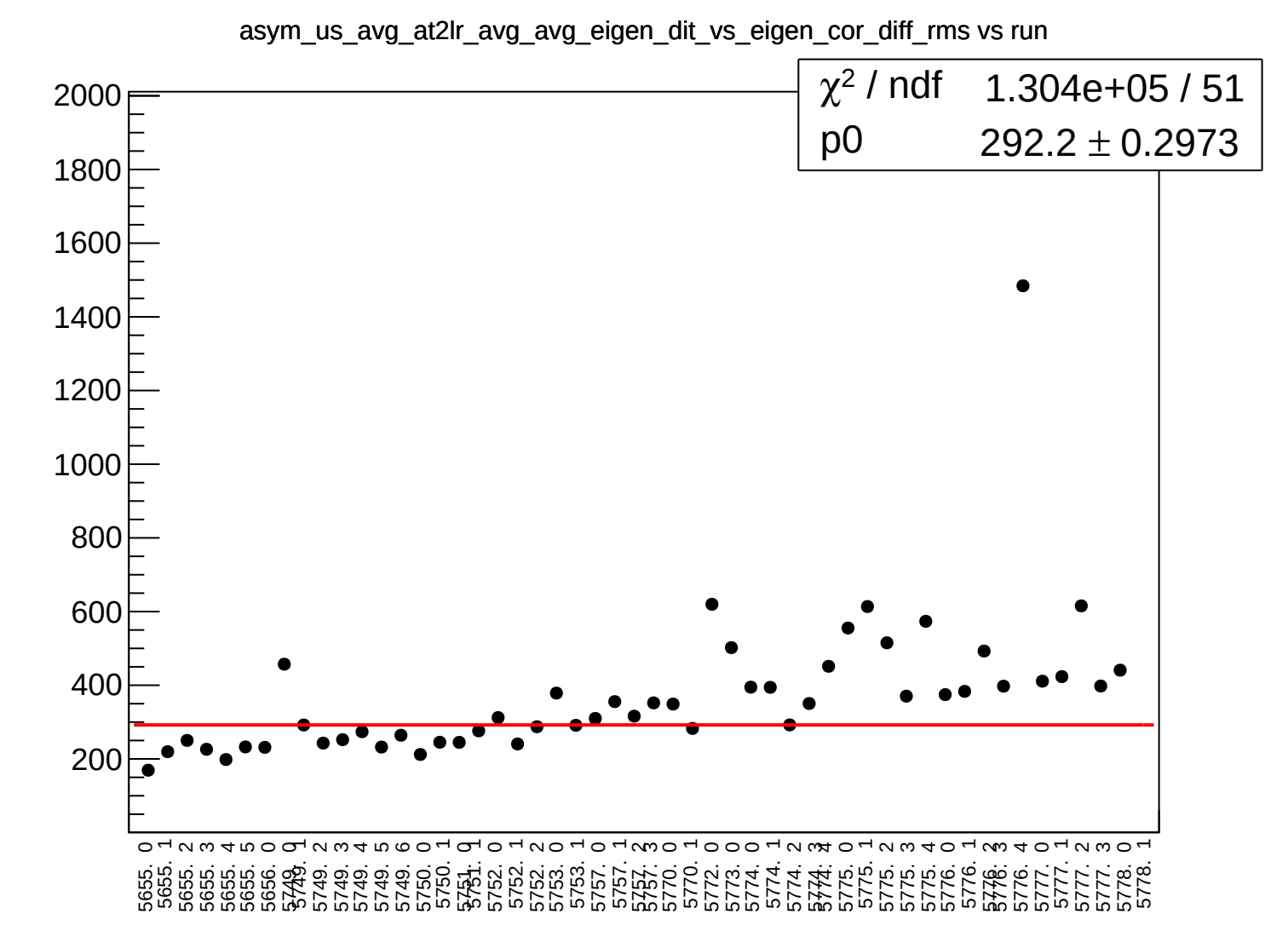

pull1D
Entries 52
Mean −0.05993
Std Dev 0.9469
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

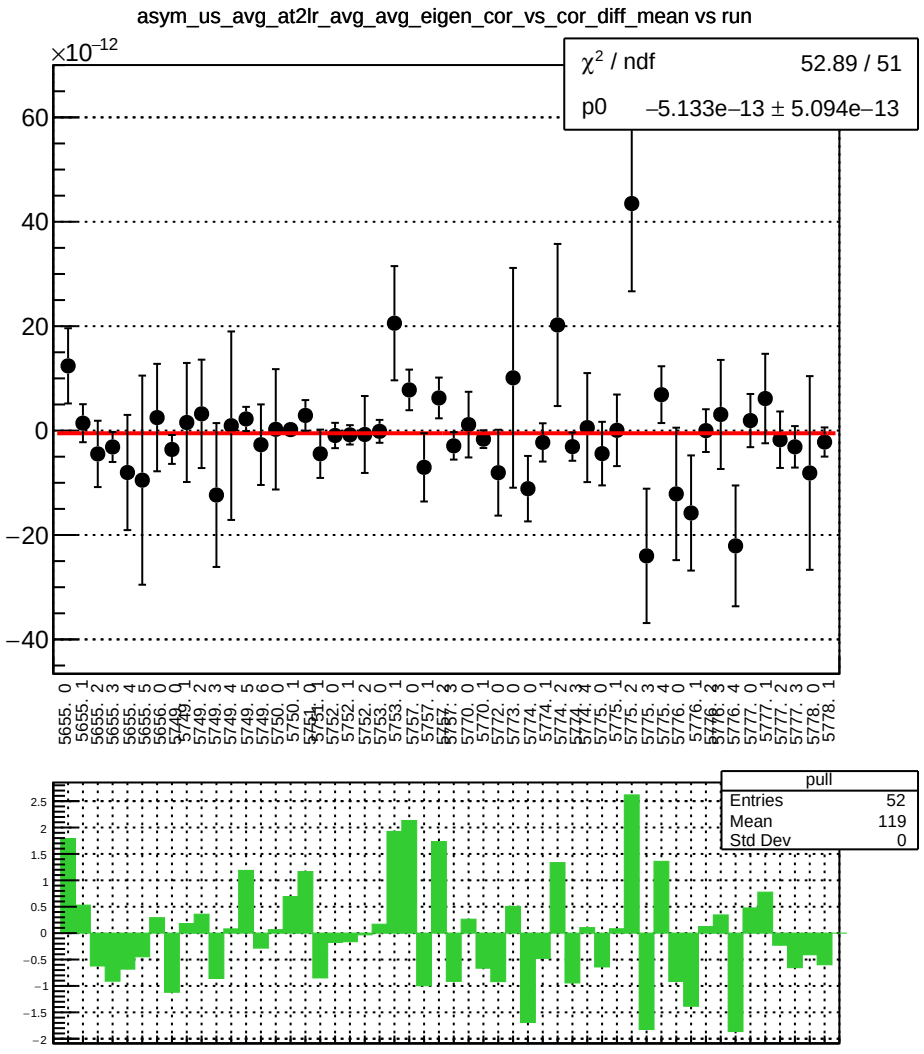

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.366e+05 / 51
p0 0.01605 ± 1.731e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

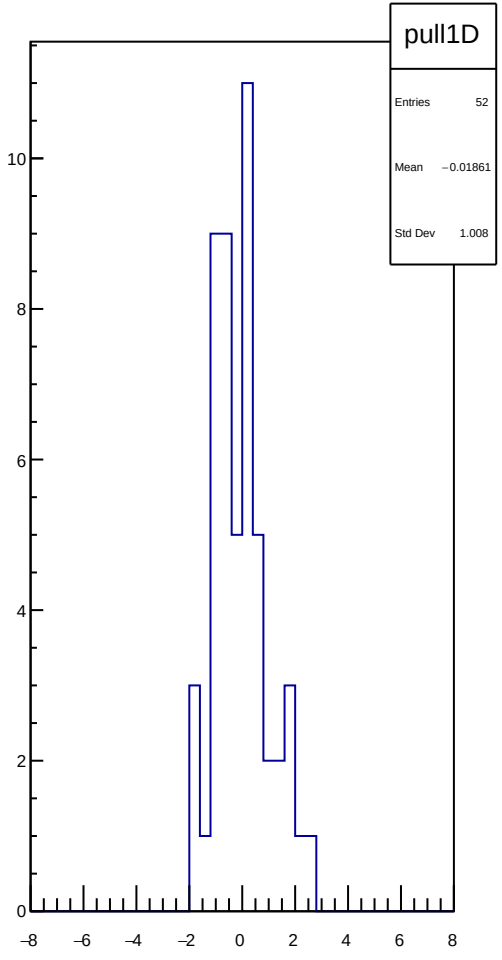

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.97 / 51
p0 −0.7877 ± 0.4205
pull
Entries 52
Mean 75.3
Std Dev 0
pull1D
Entries 52
Mean 0.03776
Std Dev 0.9496

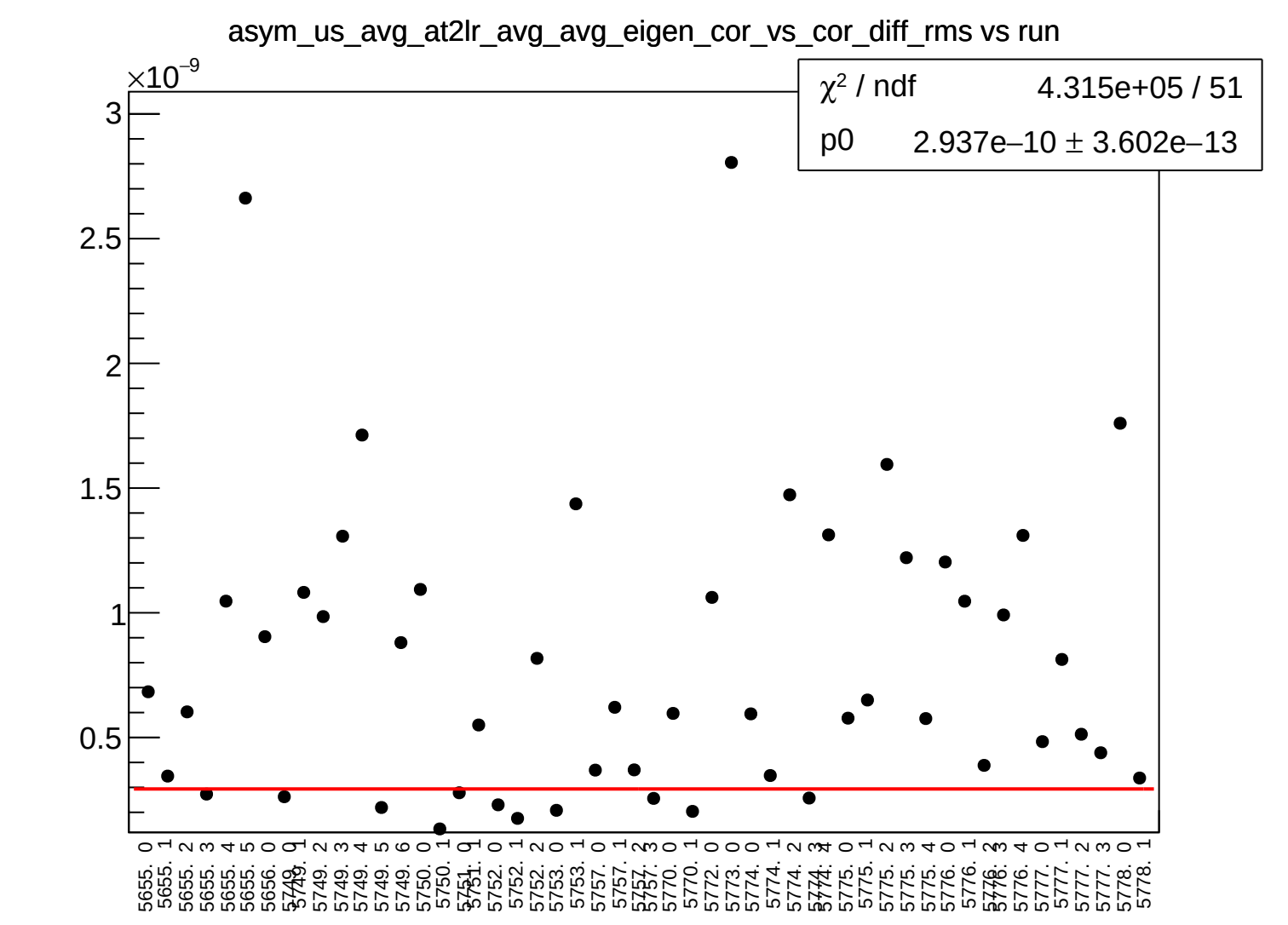

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.304e+05 / 51
p0 292.2 ± 0.2973
2000
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

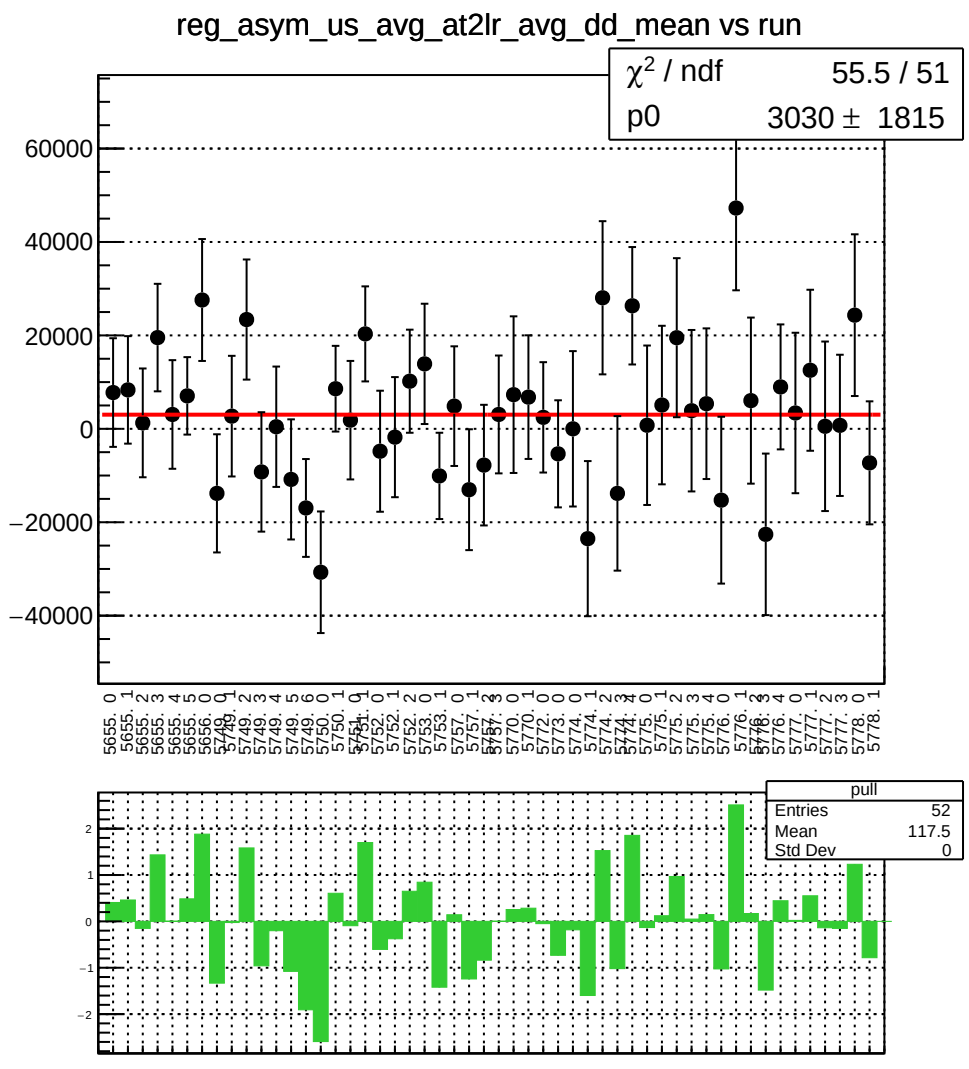

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.97 / 51
p0 −0.7877 ± 0.4205
pull
Entries 52
Mean 75.3
Std Dev 0
pull1D
Entries 52
Mean 0.03776
Std Dev 0.9496

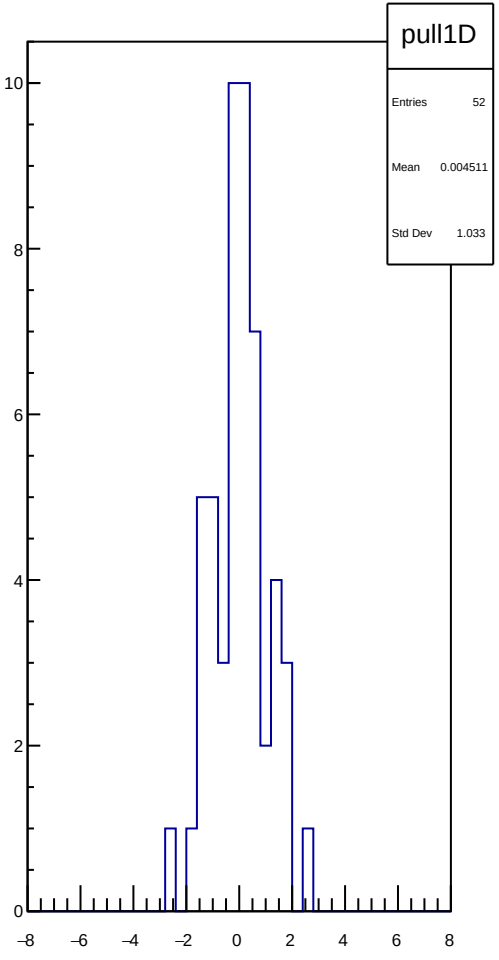

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.304e+05 / 51
p0 292.2 ± 0.2973
2000
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

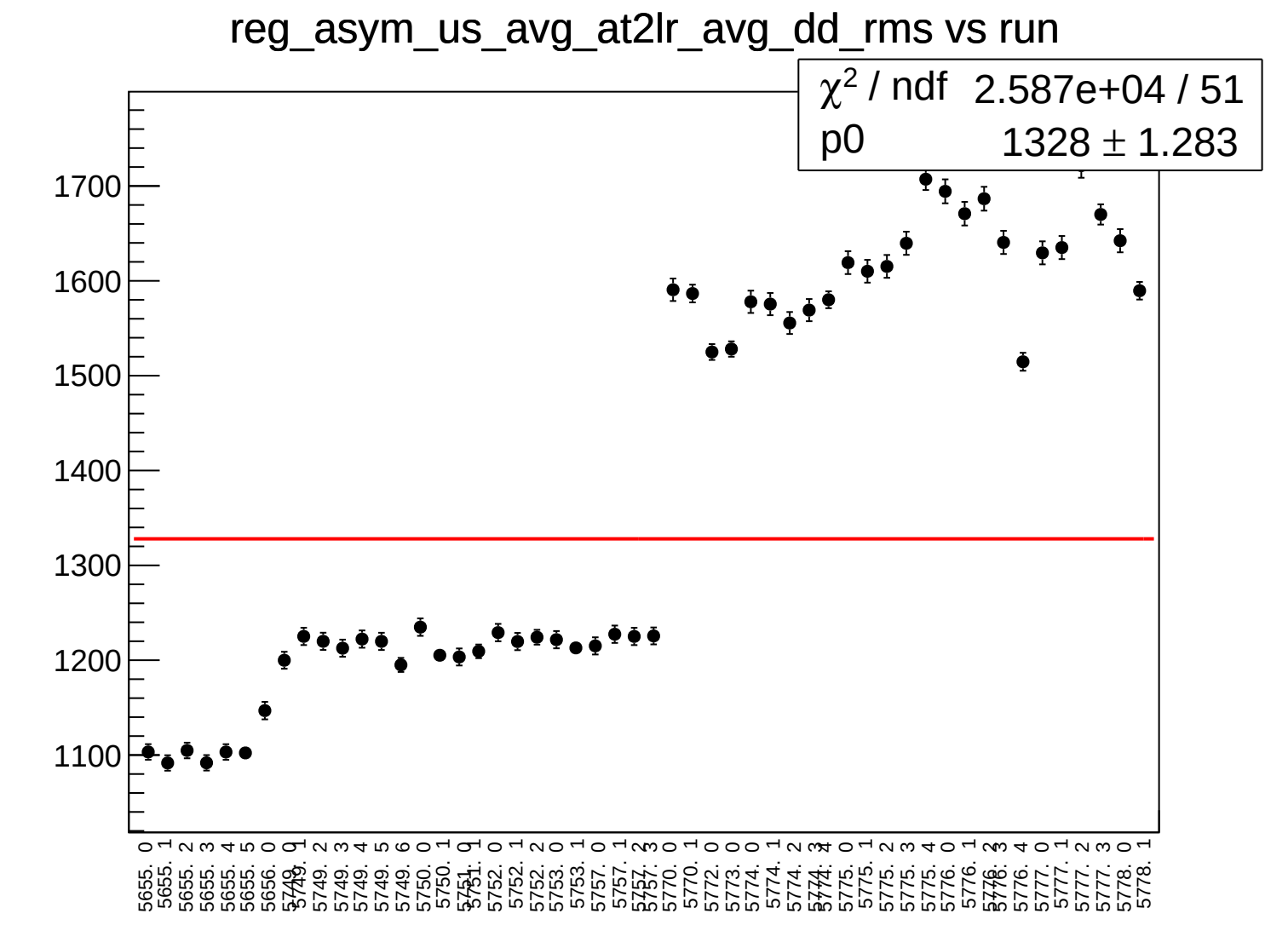

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 52.89 / 51
p0 −5.133e−13 ± 5.094e−13
pull
Entries 52
Mean 119
Std Dev 0

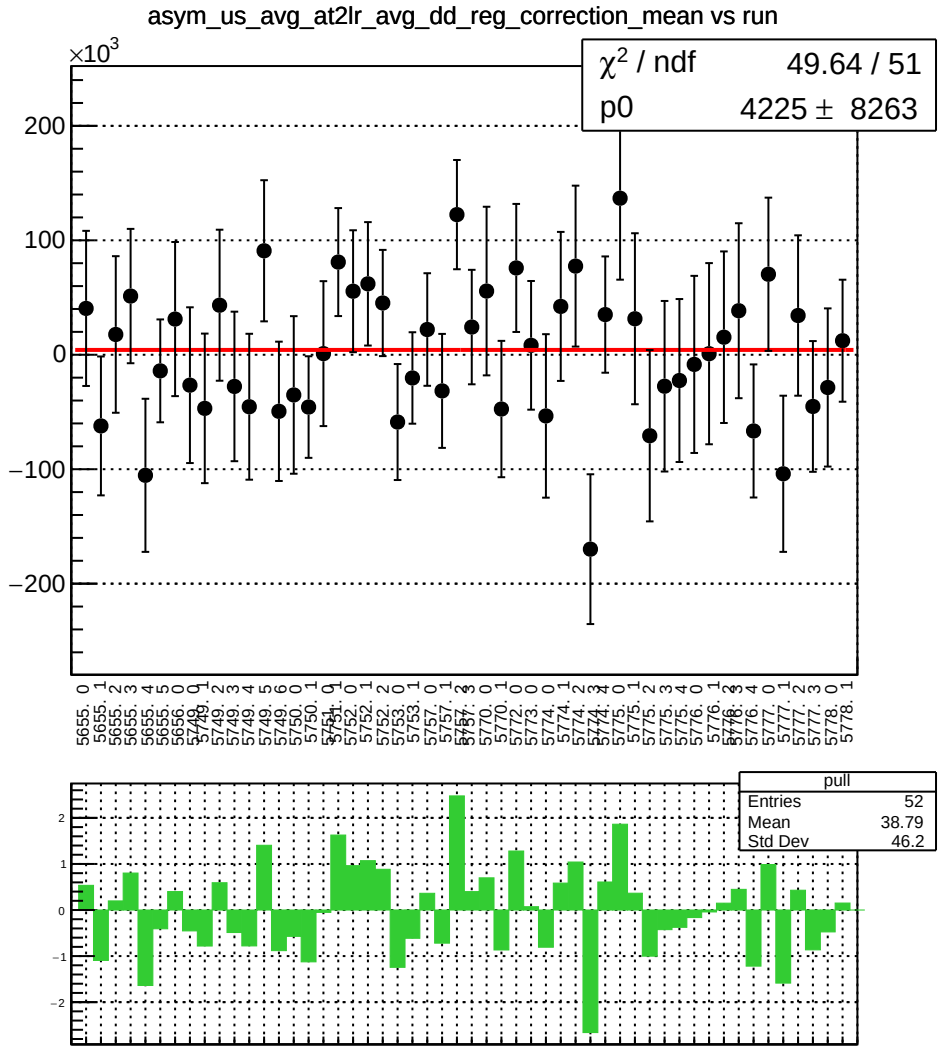

pull1D
Entries 52
Mean −0.01861
Std Dev 1.008

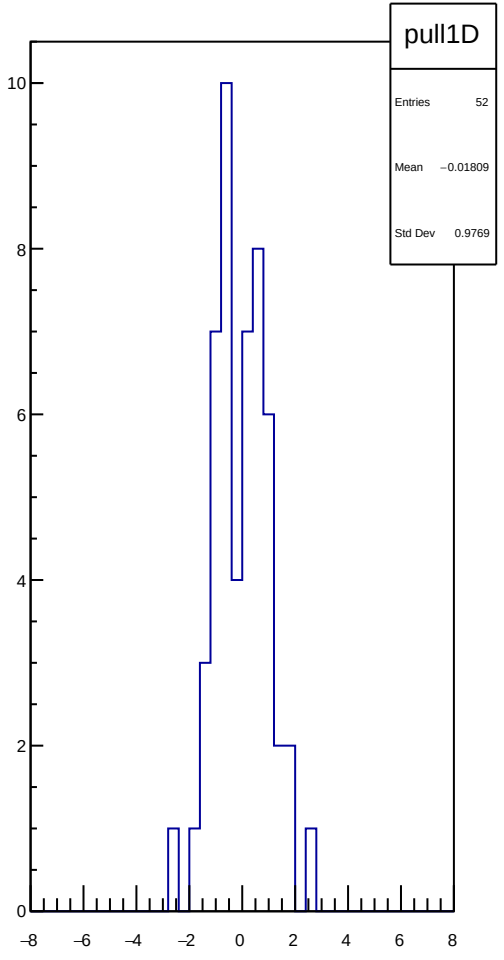

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.315e+05 / 51
p0 2.937e−10 ± 3.602e−13
3
2.5
2
1.5
1
0.5
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

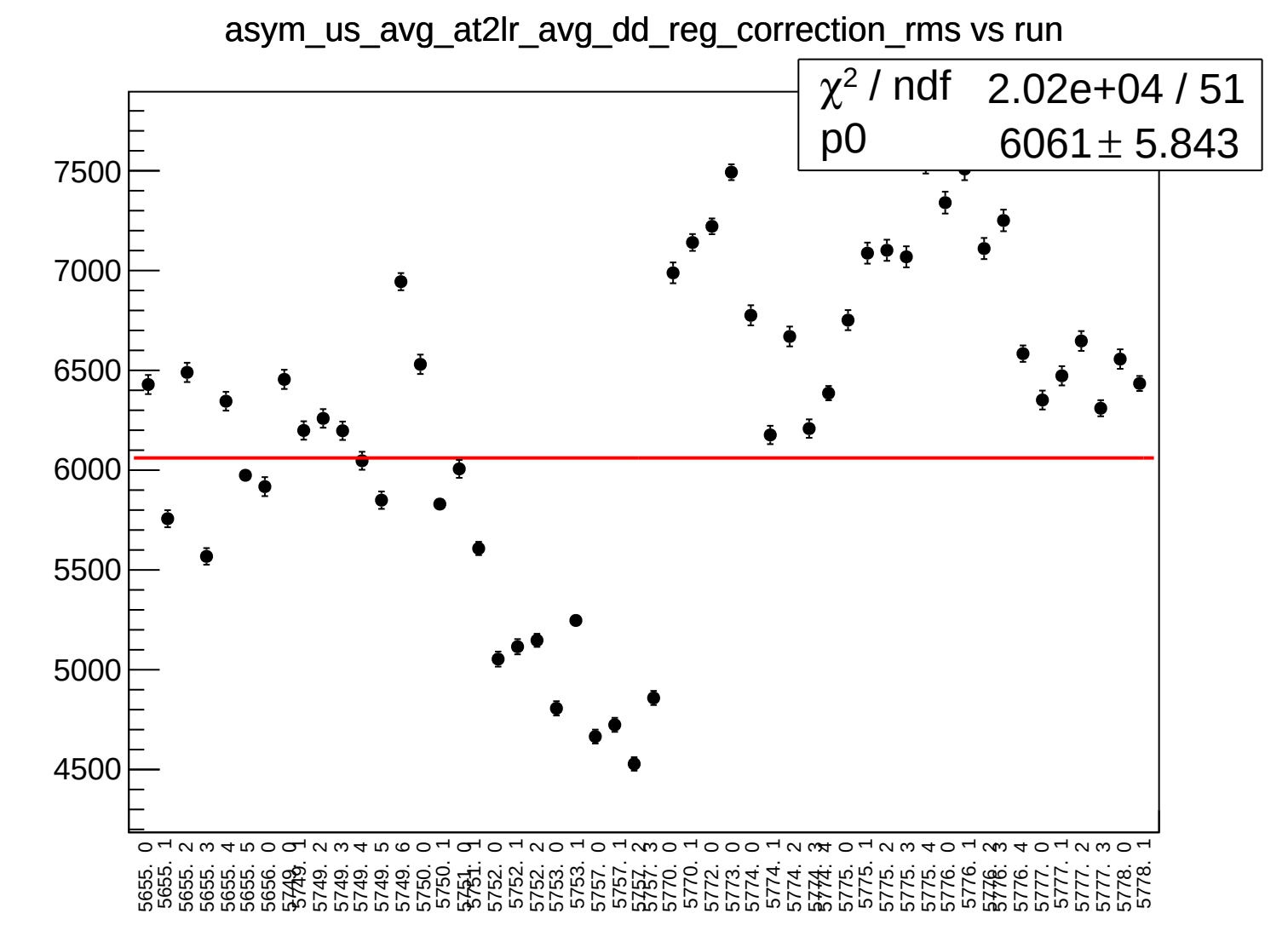

reg_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 55.5 / 51
p0 3030 ± 1815
60000
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 117.5
Std Dev 0
2
1
0
−1
−2

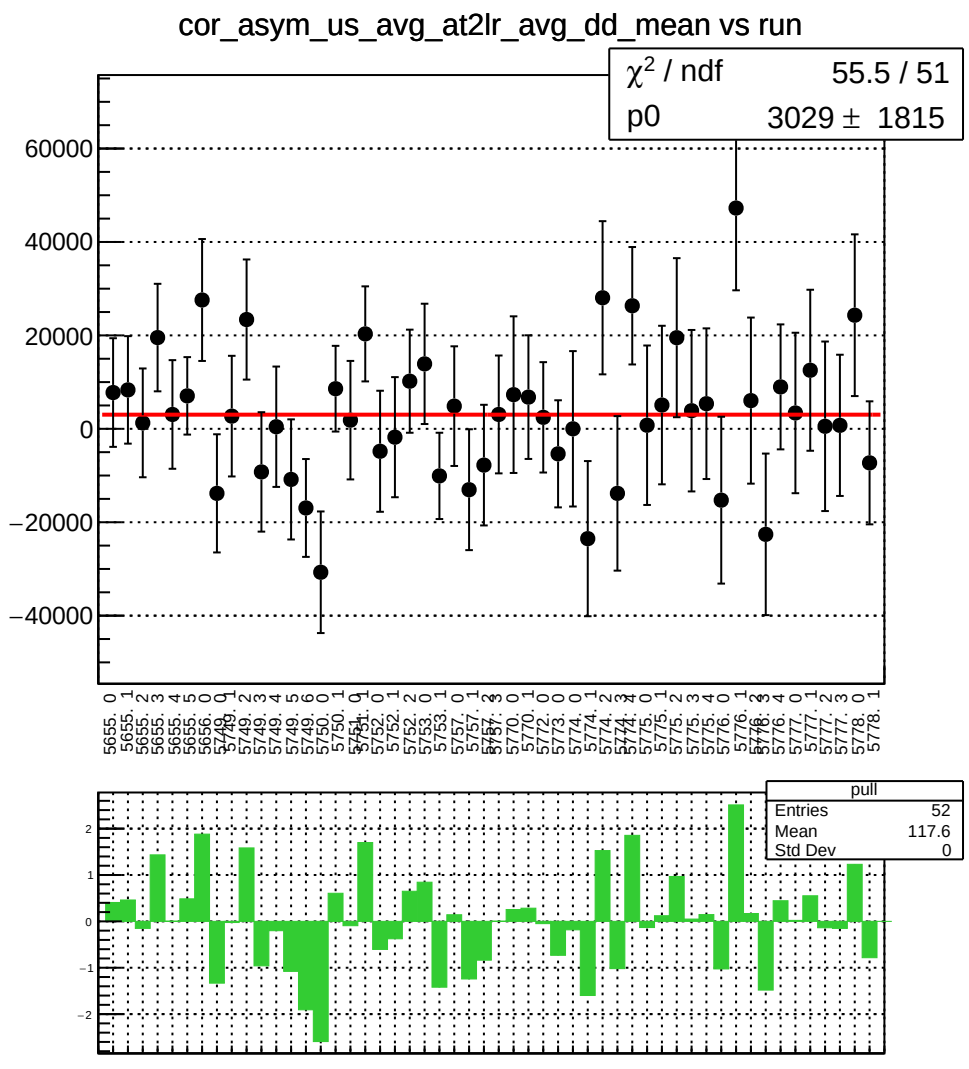

pull1D
Entries 52
Mean 0.004511
Std Dev 1.033
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

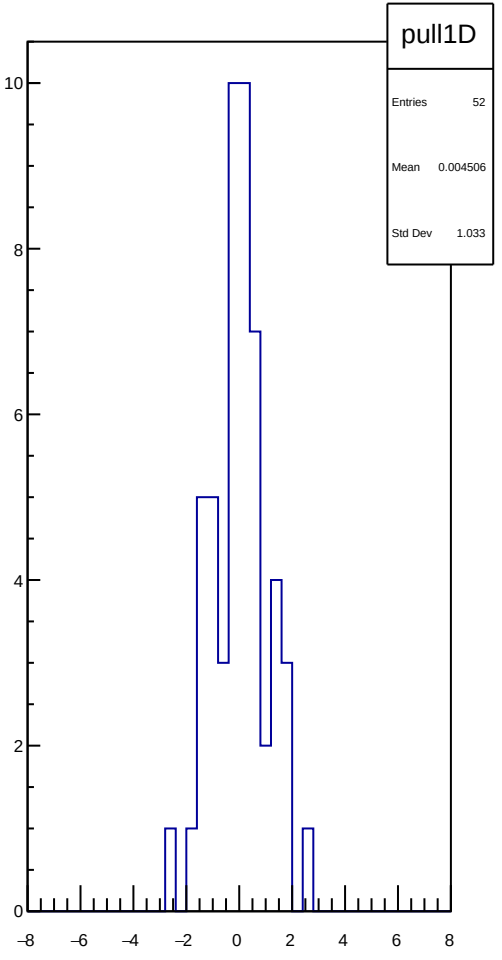

reg_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 2.587e+04 / 51
p0 1328 ± 1.283
1700
1600
1500
1400
1300
1200
1100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

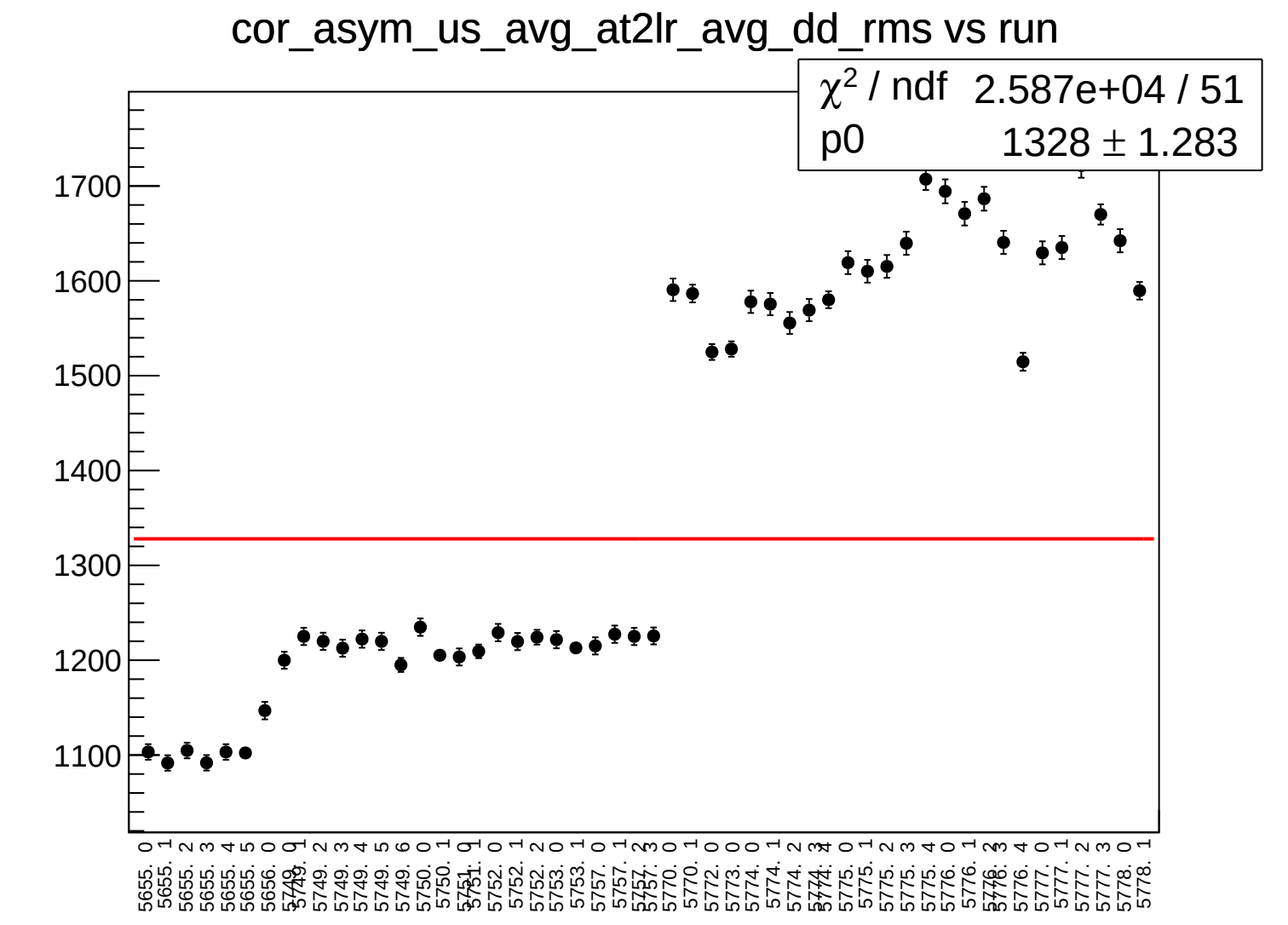

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 49.64 / 51
p0 4225 ± 8263
200
100
0
−100
−200
pull
Entries 52
Mean 38.79
Std Dev 46.2
2
1
0
−1
−2

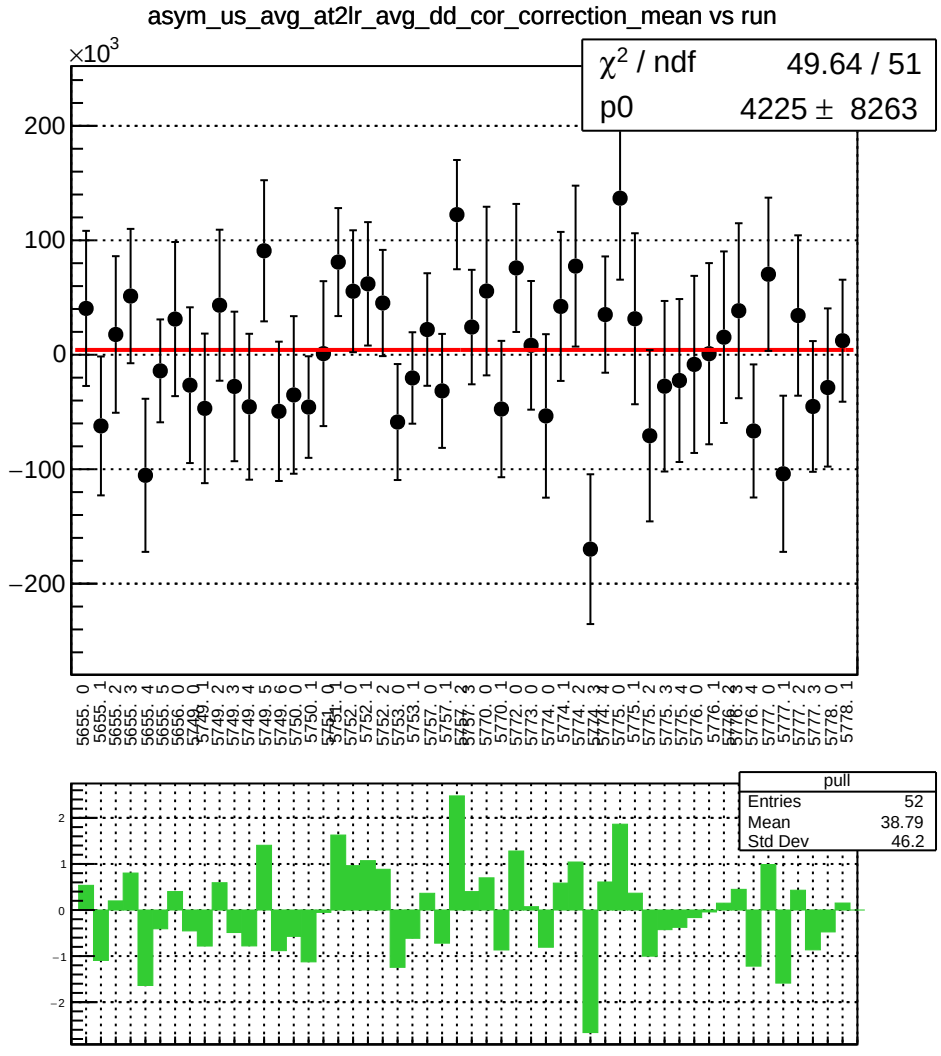

pull1D
Entries 52
Mean −0.01809
Std Dev 0.9769
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

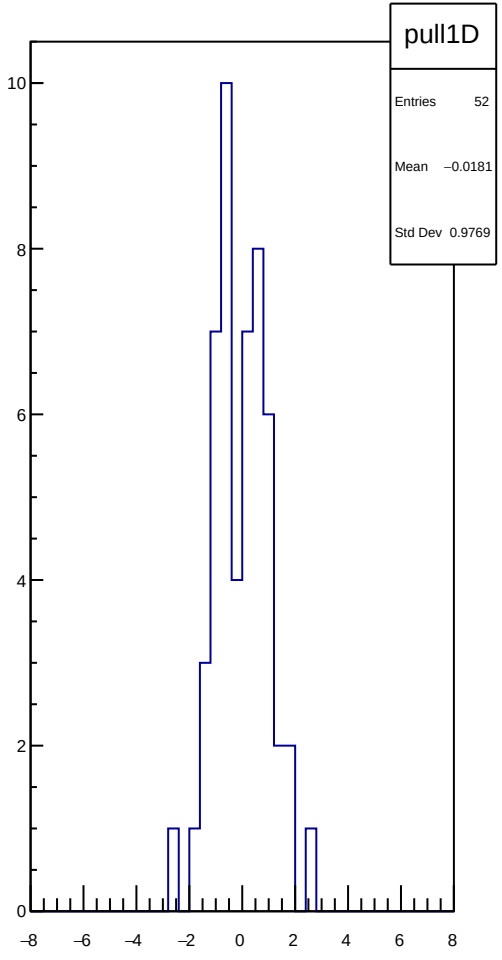

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs run
χ² / ndf 2.02e+04 / 51
p0 6061 ± 5.843
7500
7000
6500
6000
5500
5000
4500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

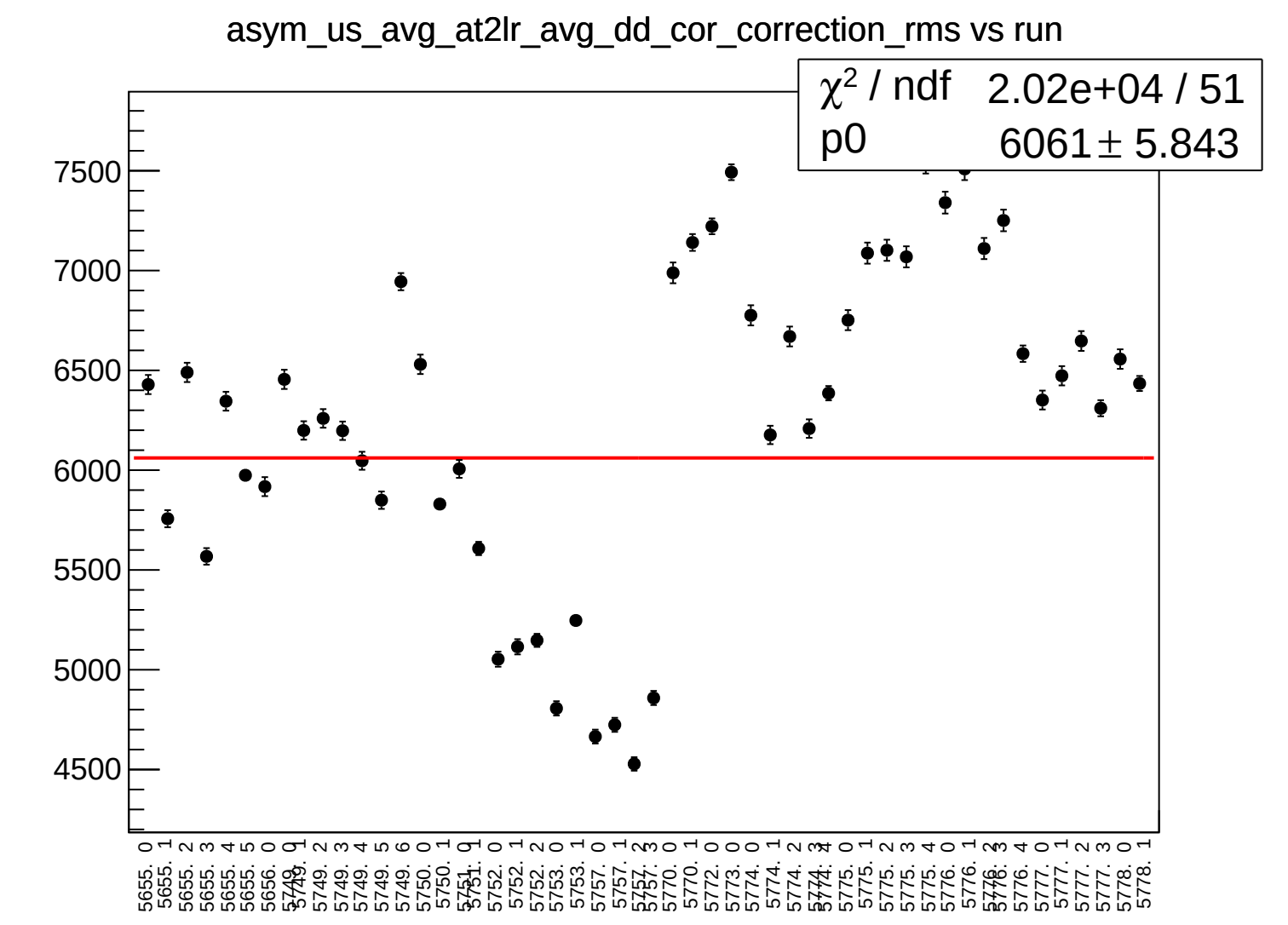

cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 55.5 / 51
p0 3029 ± 1815
60000
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 117.6
Std Dev 0
2
1
0
−1
−2

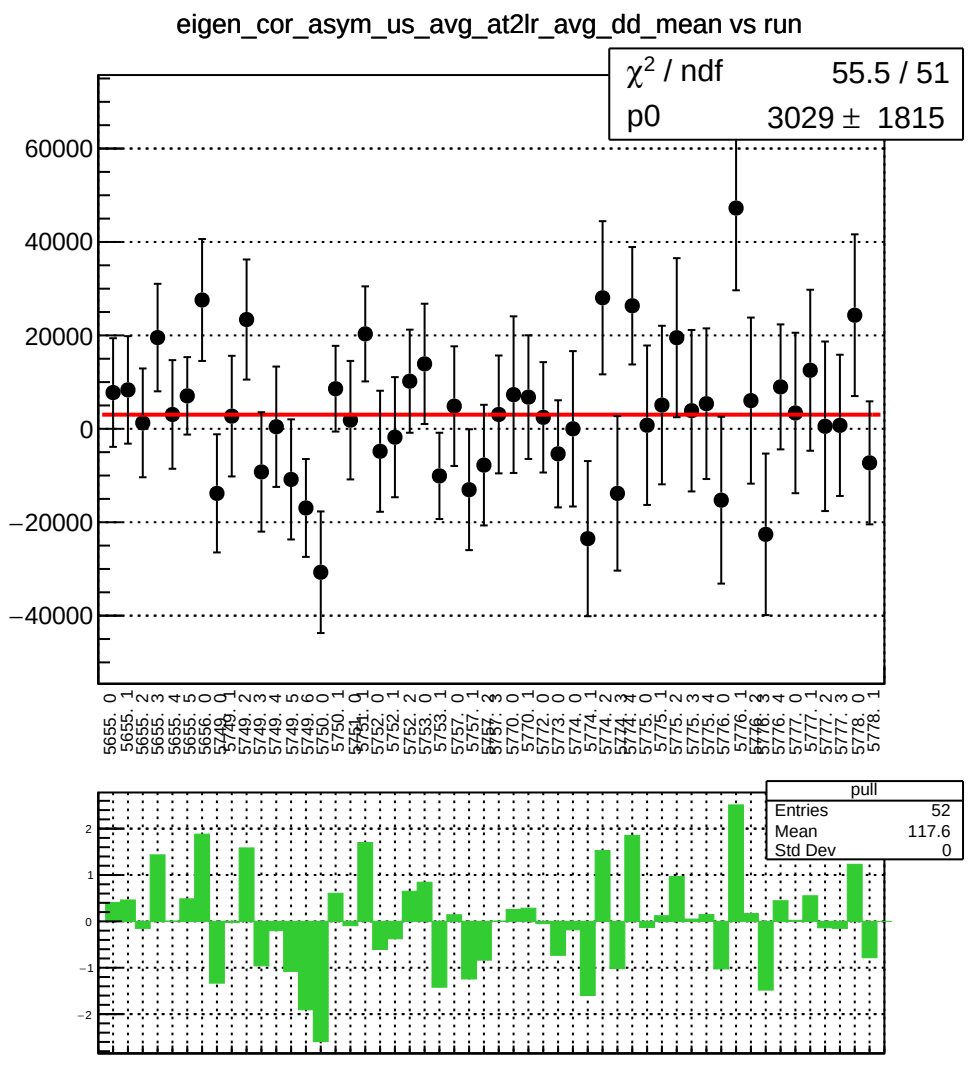

pull1D
Entries 52
Mean 0.004506
Std Dev 1.033
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

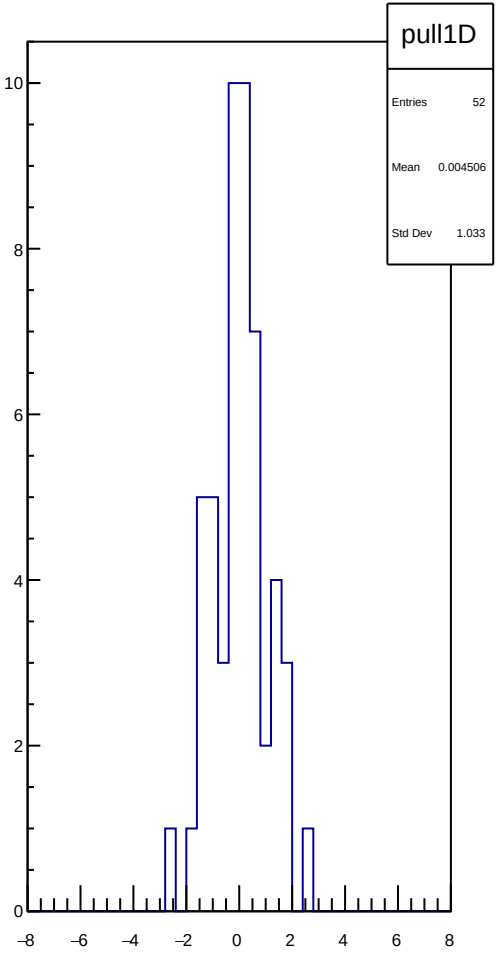

cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 2.587e+04 / 51
p0 1328 ± 1.283
1700
1600
1500
1400
1300
1200
1100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

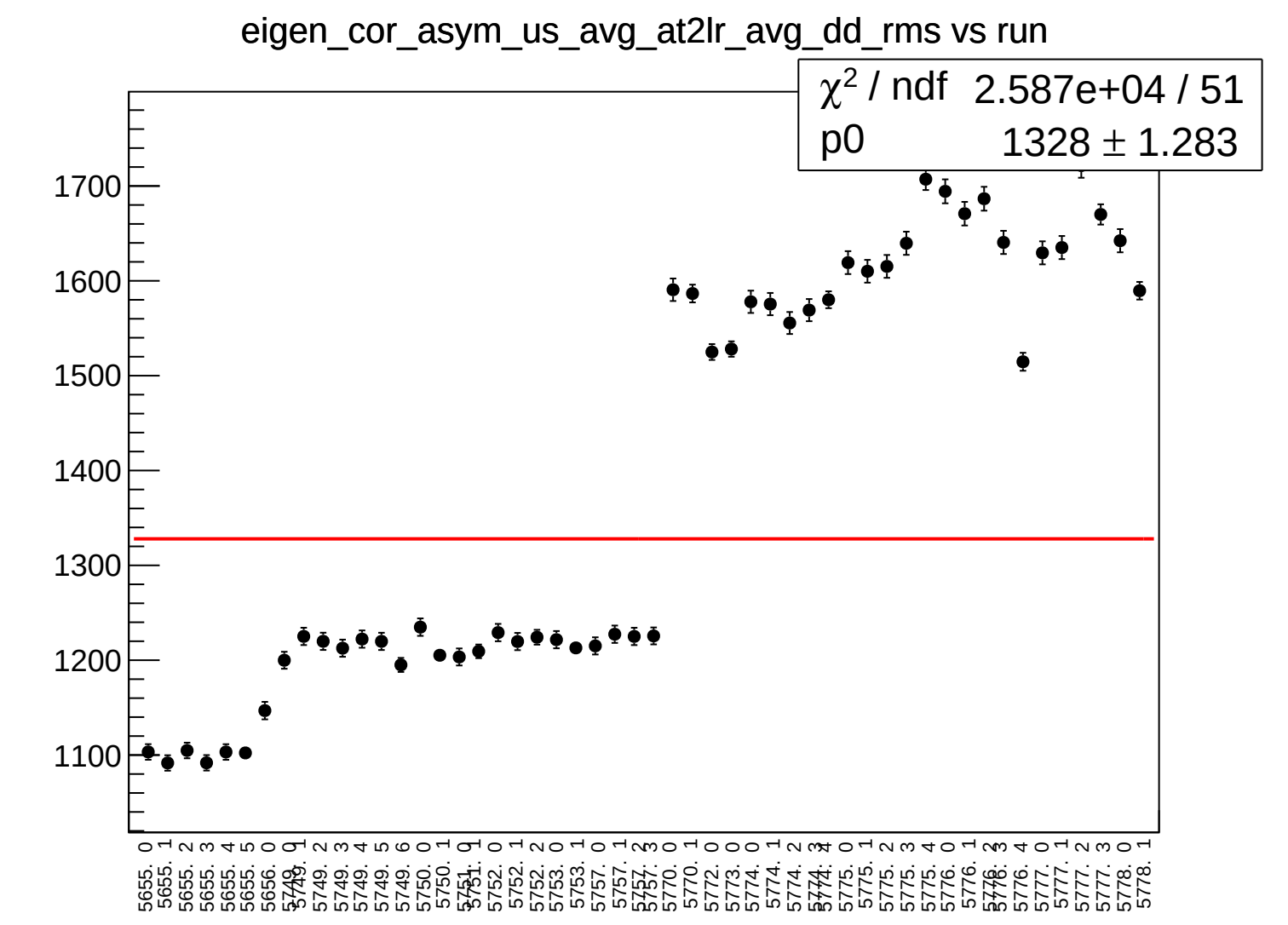

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs run
χ² / ndf 49.64 / 51
p0 4225 ± 8263
×10³
200
100
0
−100
−200
pull
Entries 52
Mean 38.79
Std Dev 46.2
2
1
0
−1
−2

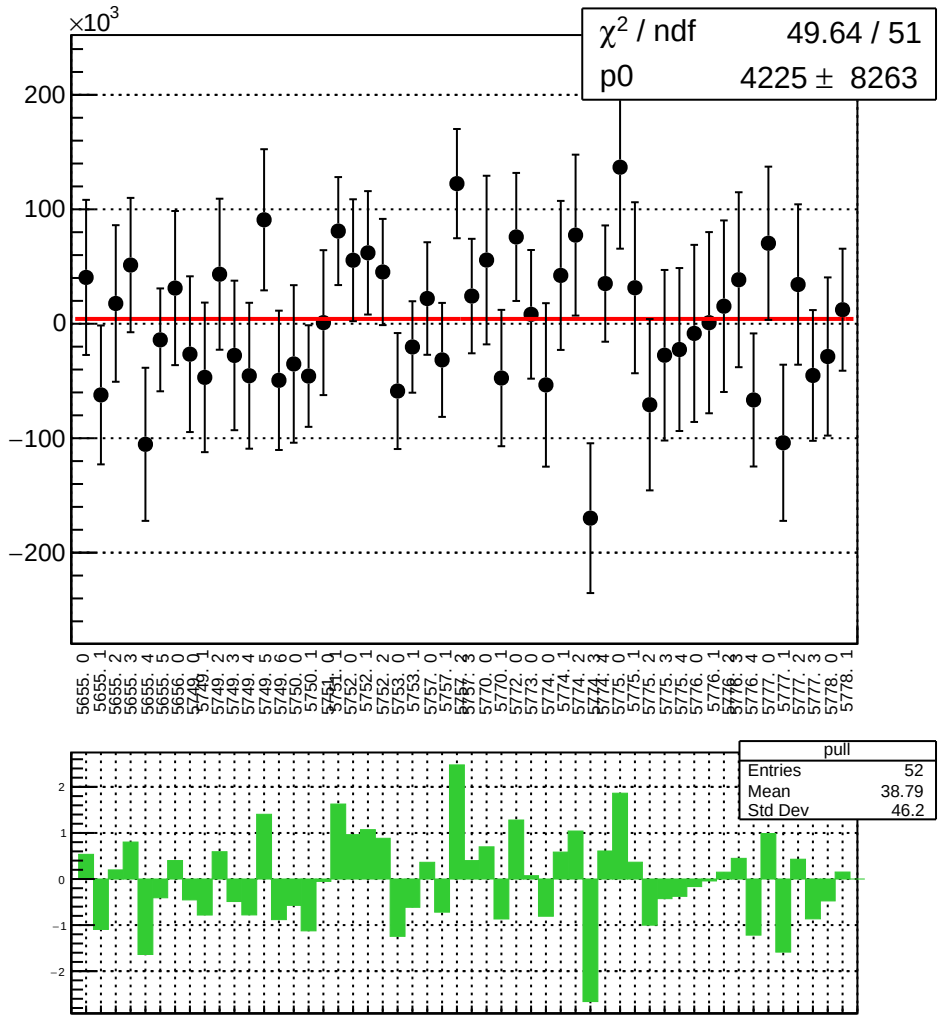

pull1D
Entries 52
Mean −0.0181
Std Dev 0.9769
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

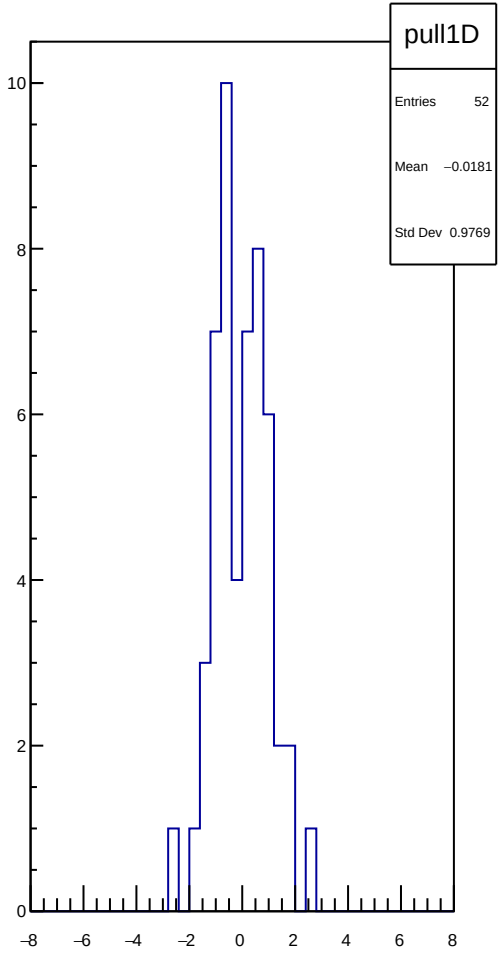

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs run
χ² / ndf 2.02e+04 / 51
p0 6061 ± 5.843
7500
7000
6500
6000
5500
5000
4500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

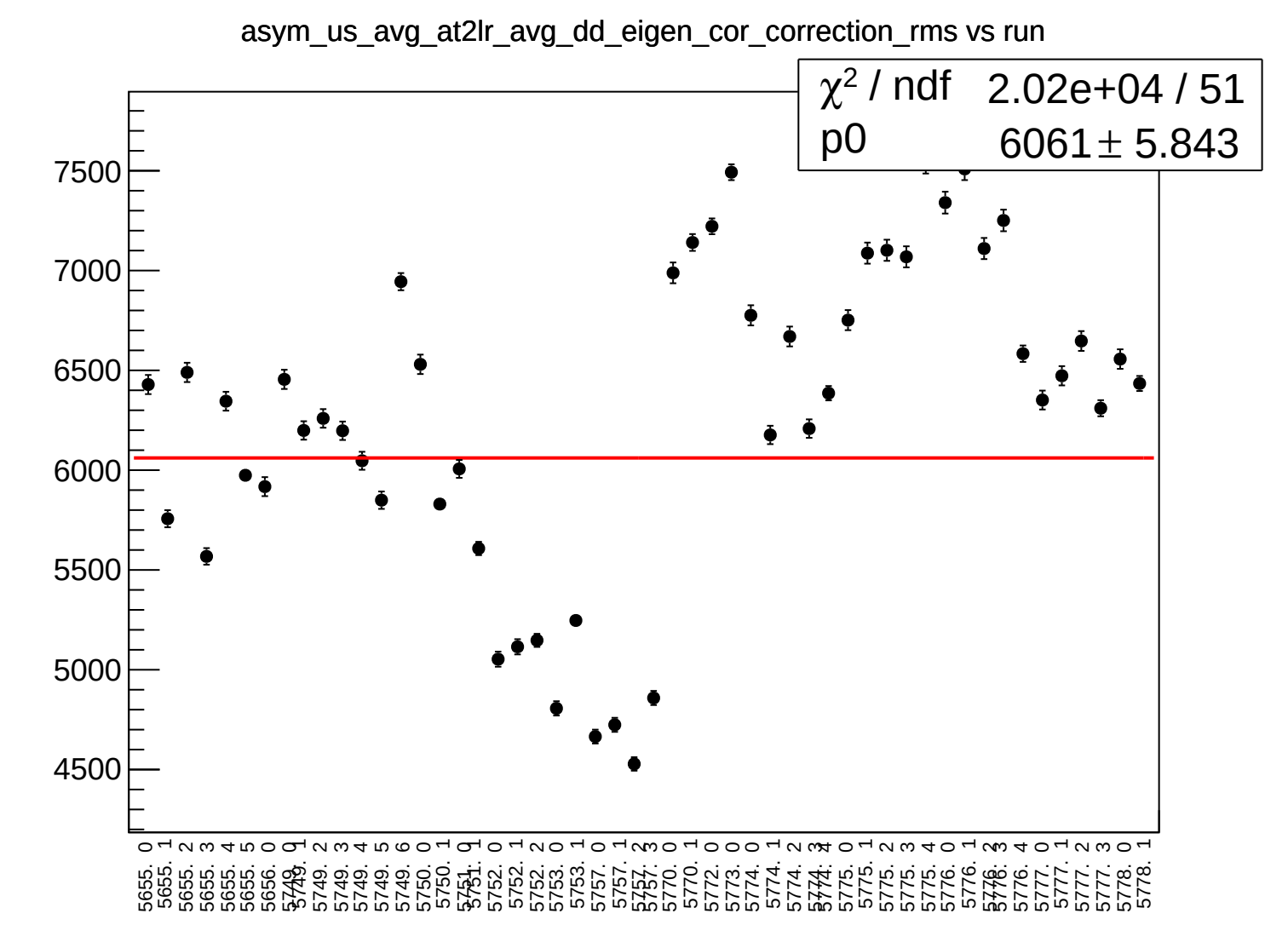

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 55.5 / 51
p0 3029 ± 1815
pull
Entries 52
Mean 117.6
Std Dev 0

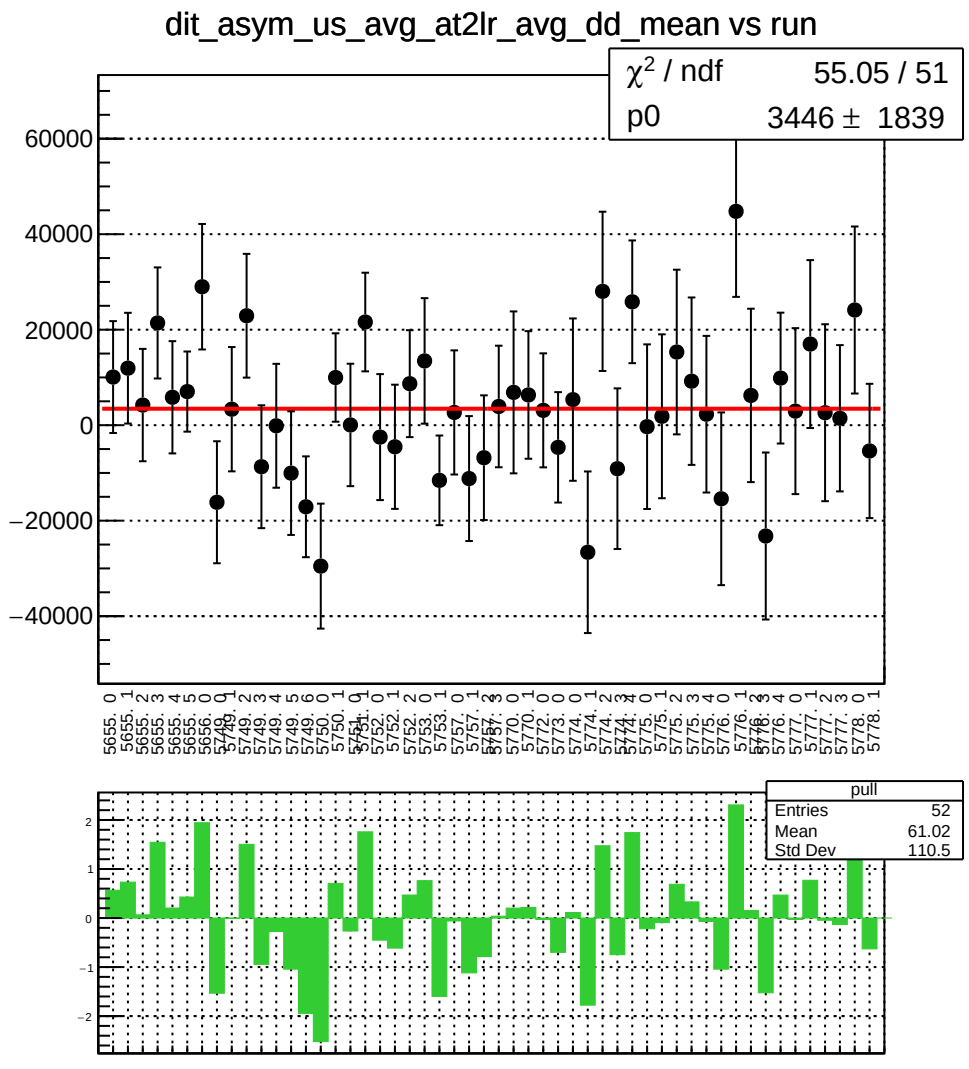

pull1D
Entries 52
Mean 0.004506
Std Dev 1.033

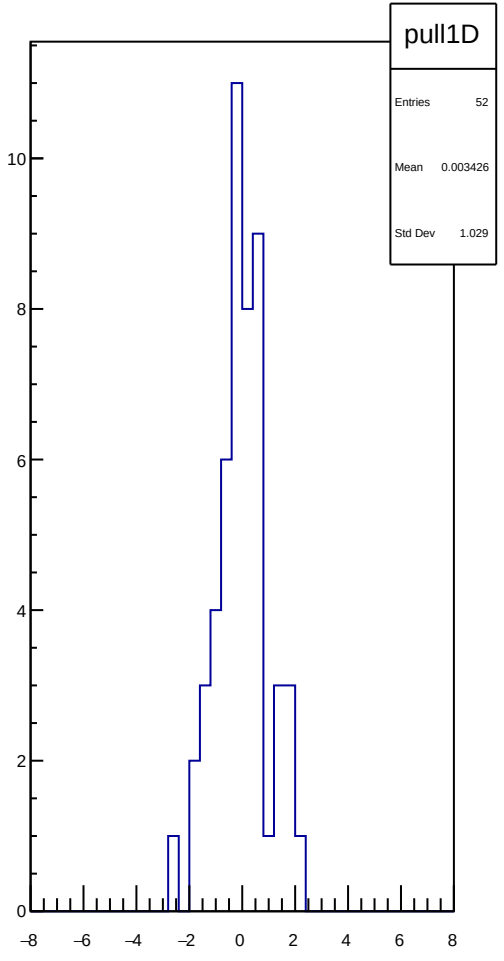

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 2.587e+04 / 51
p0 1328 ± 1.283
1700
1600
1500
1400
1300
1200
1100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

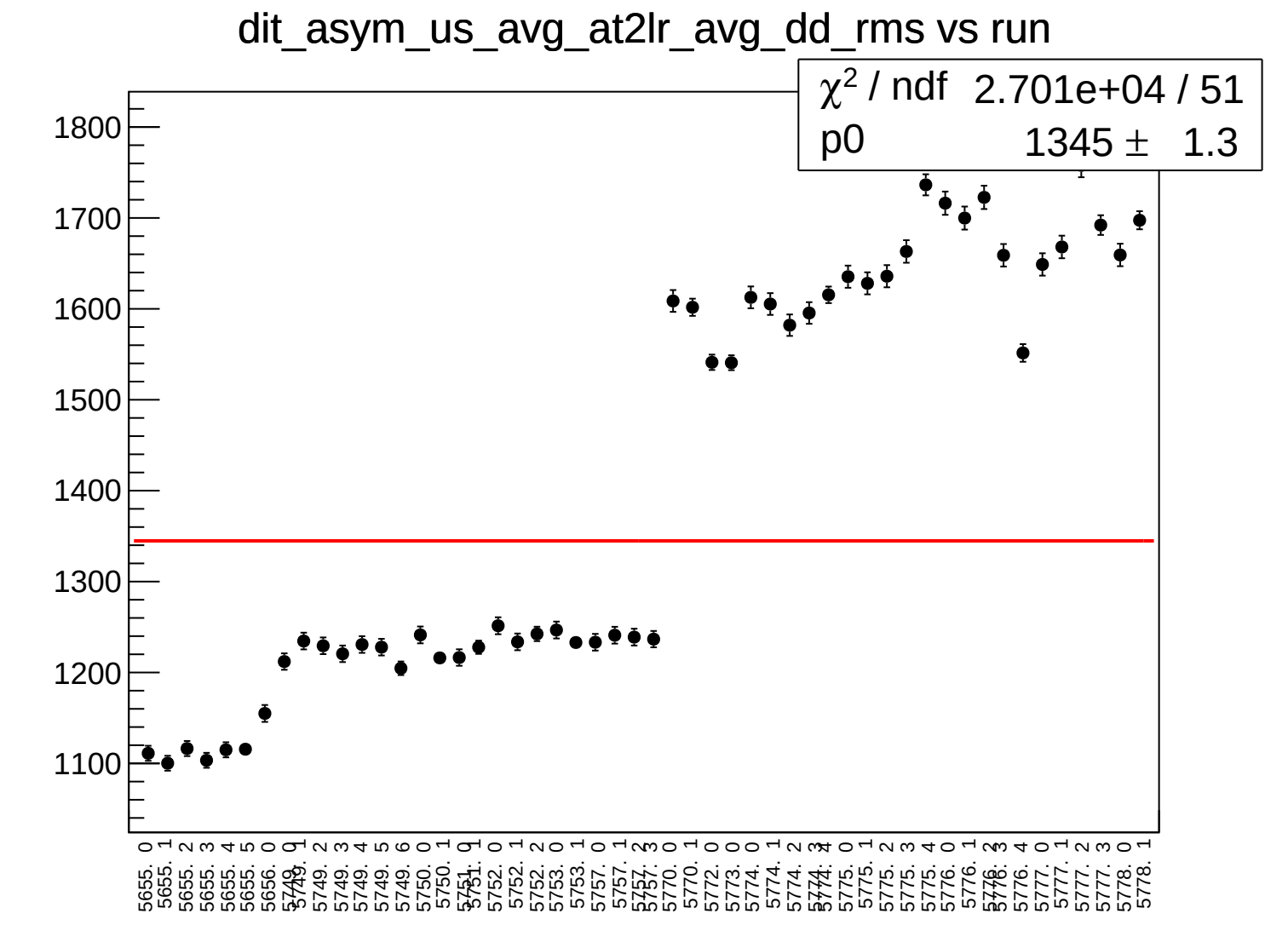

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 49.64 / 51
p0 4225 ± 8263
200
100
0
−100
−200
pull
Entries 52
Mean 38.79
Std Dev 46.2
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.0181
Std Dev 0.9769
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.02e+04 / 51
p0 6061 ± 5.843
7500
7000
6500
6000
5500
5000
4500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 55.05 / 51
p0 3446 ± 1839
60000
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 61.02
Std Dev 110.5
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.003426
Std Dev 1.029
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 2.701e+04 / 51
p0 1345 ± 1.3
1800
1700
1600
1500
1400
1300
1200
1100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 2
5776. 3
5776. 4
5777. 0
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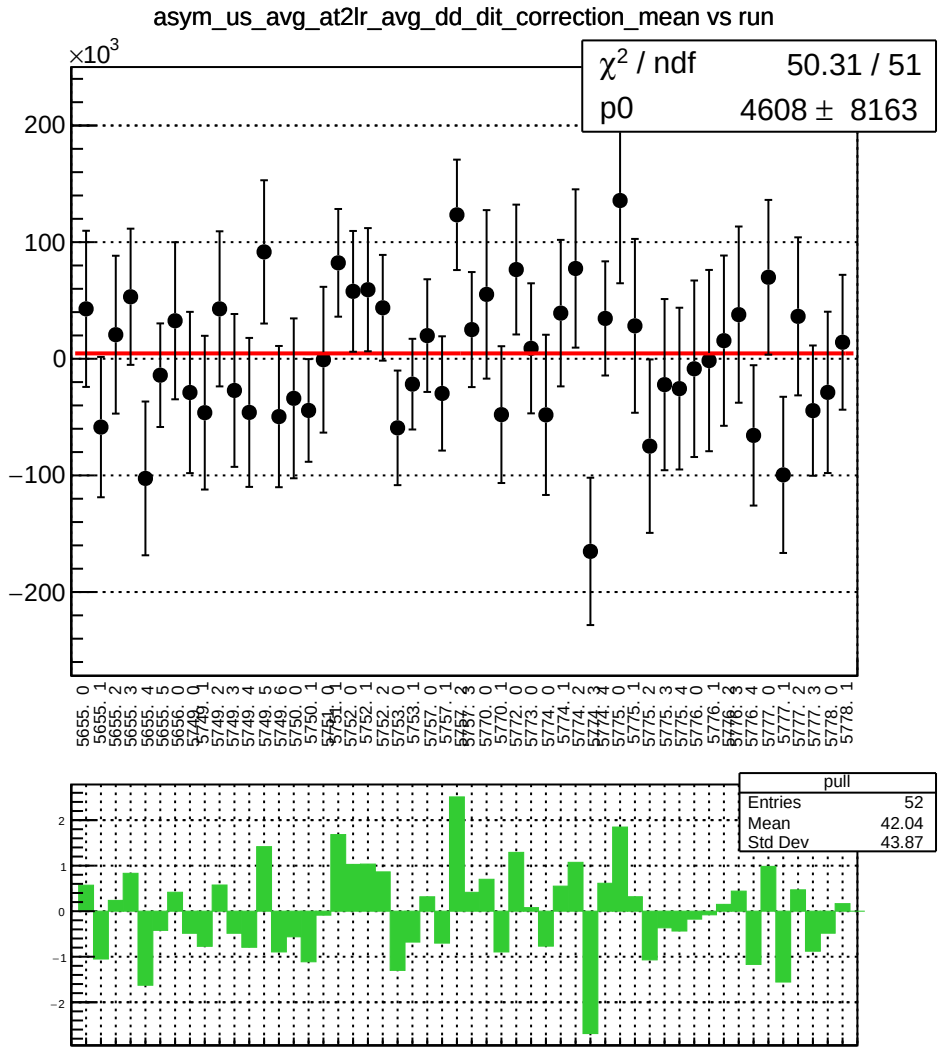
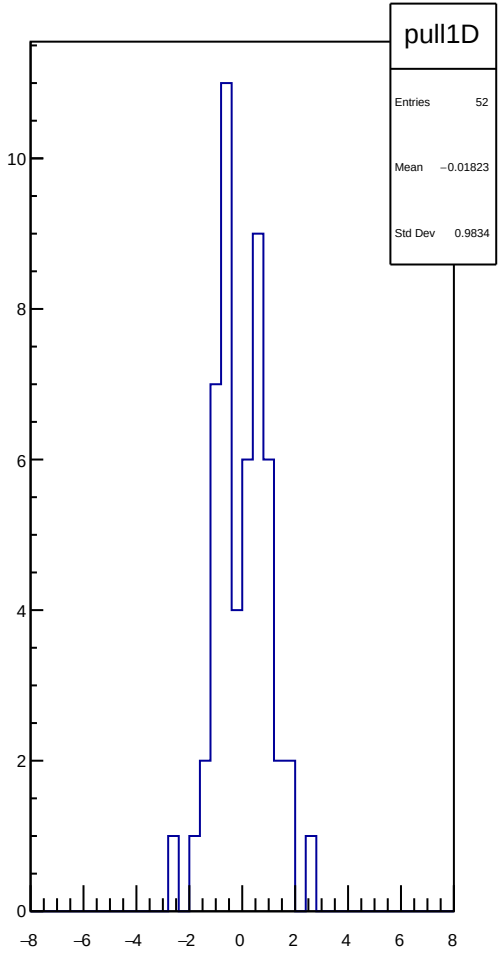
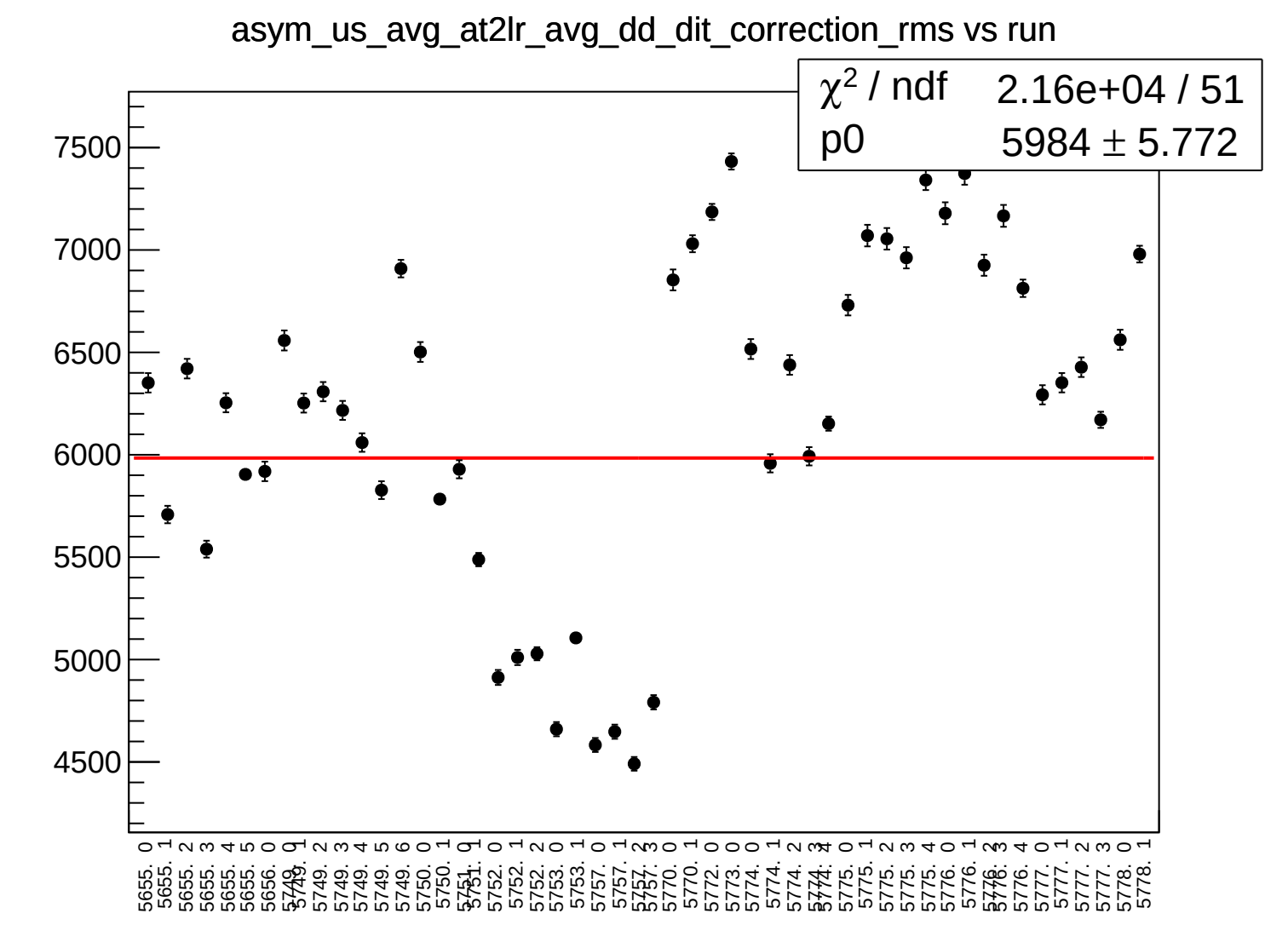
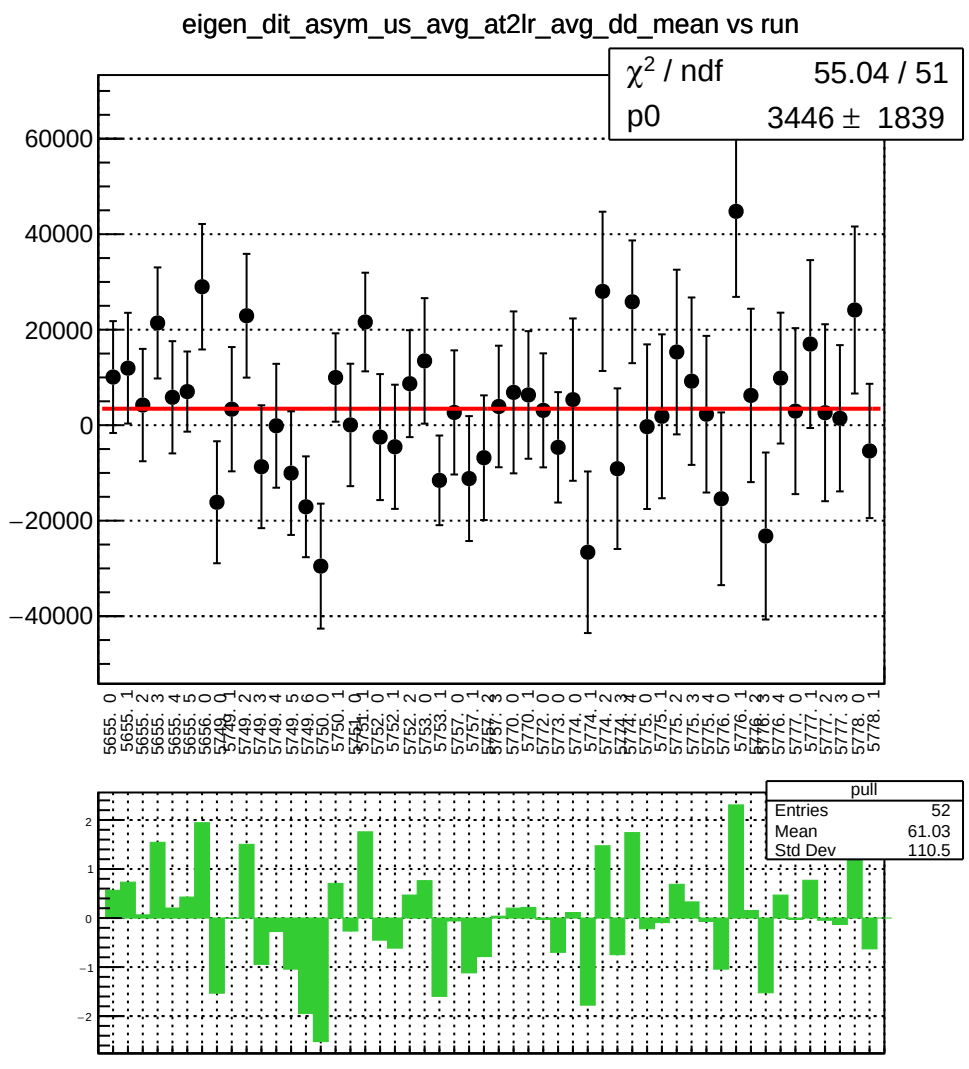
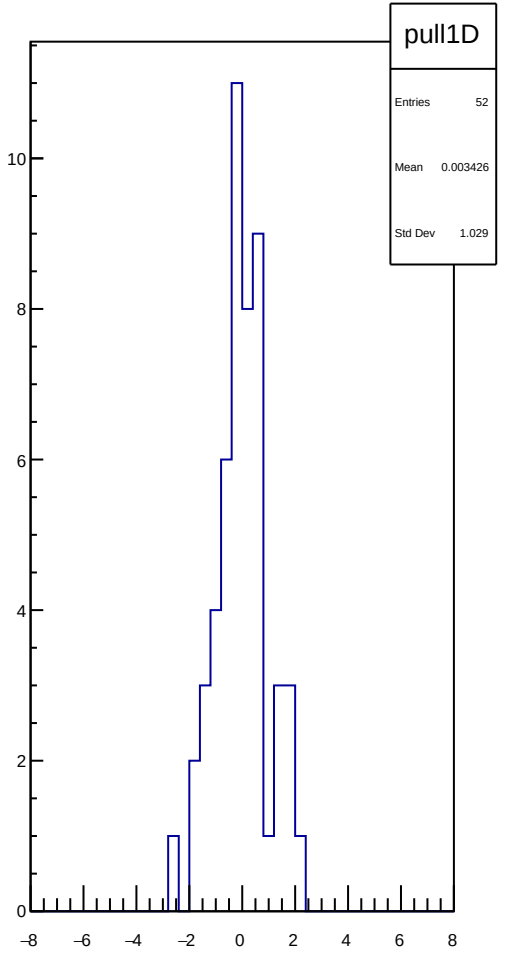
5777. 2
5777. 3
5778. 0
5778. 1

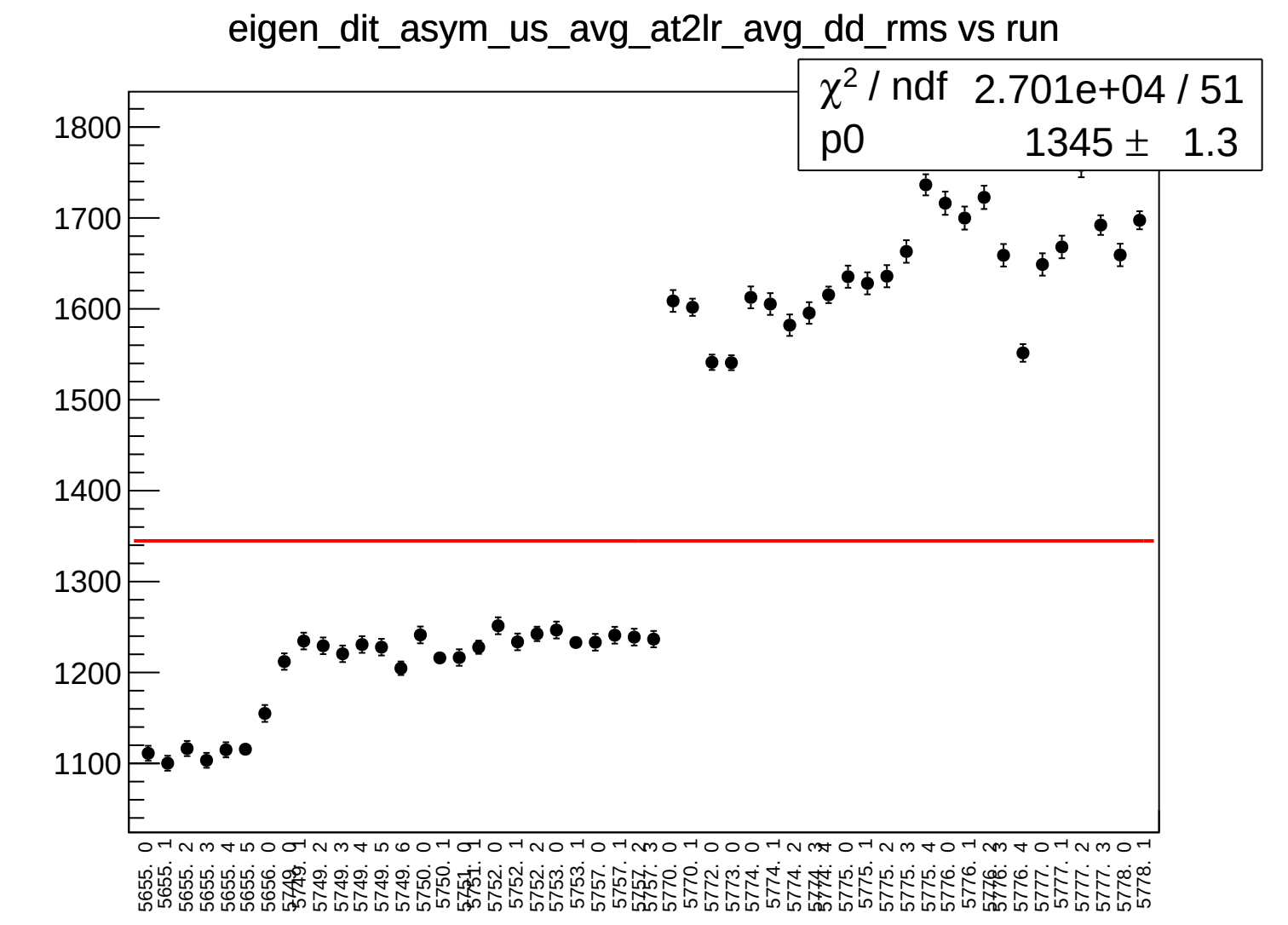

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 50.31 / 51
p0 4608 ± 8163
pull
Entries 52
Mean 42.04
Std Dev 43.87

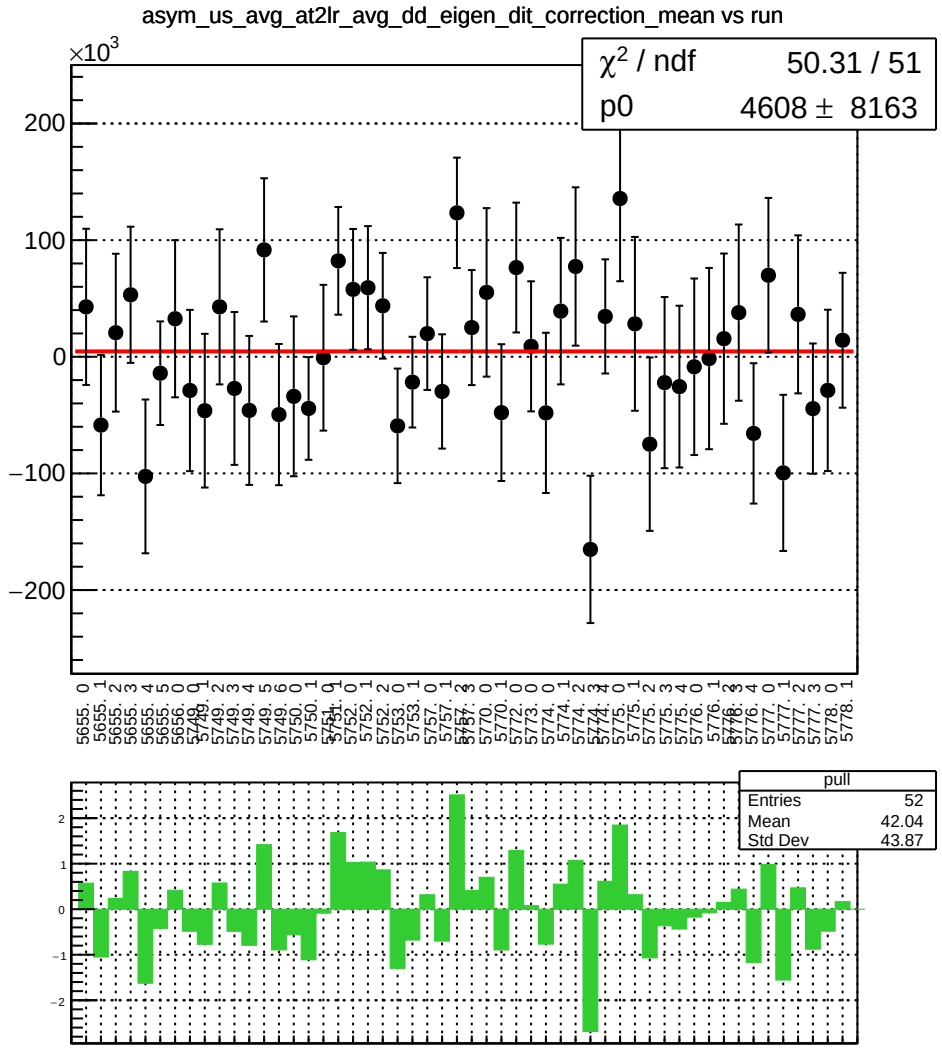

pull1D
Entries 52
Mean −0.01823
Std Dev 0.9834

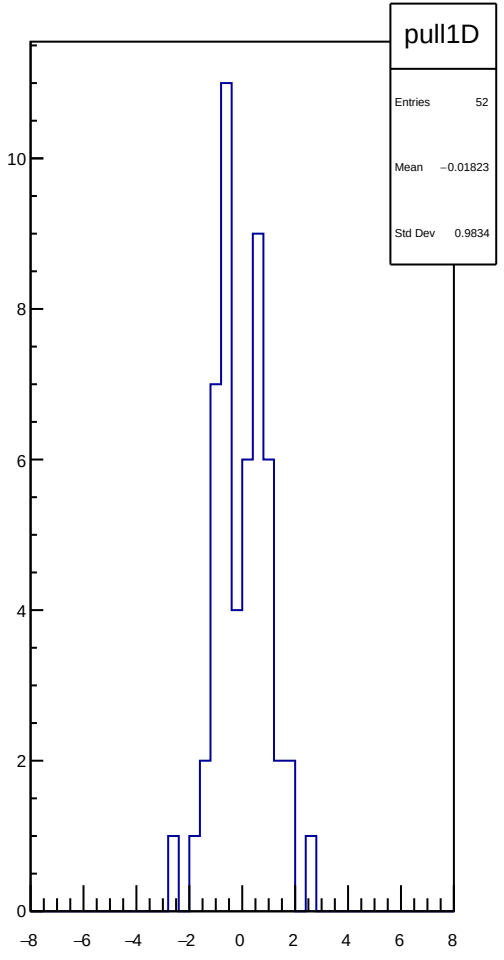

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs run
χ² / ndf 2.16e+04 / 51
p0 5984 ± 5.772
7500
7000
6500
6000
5500
5000
4500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

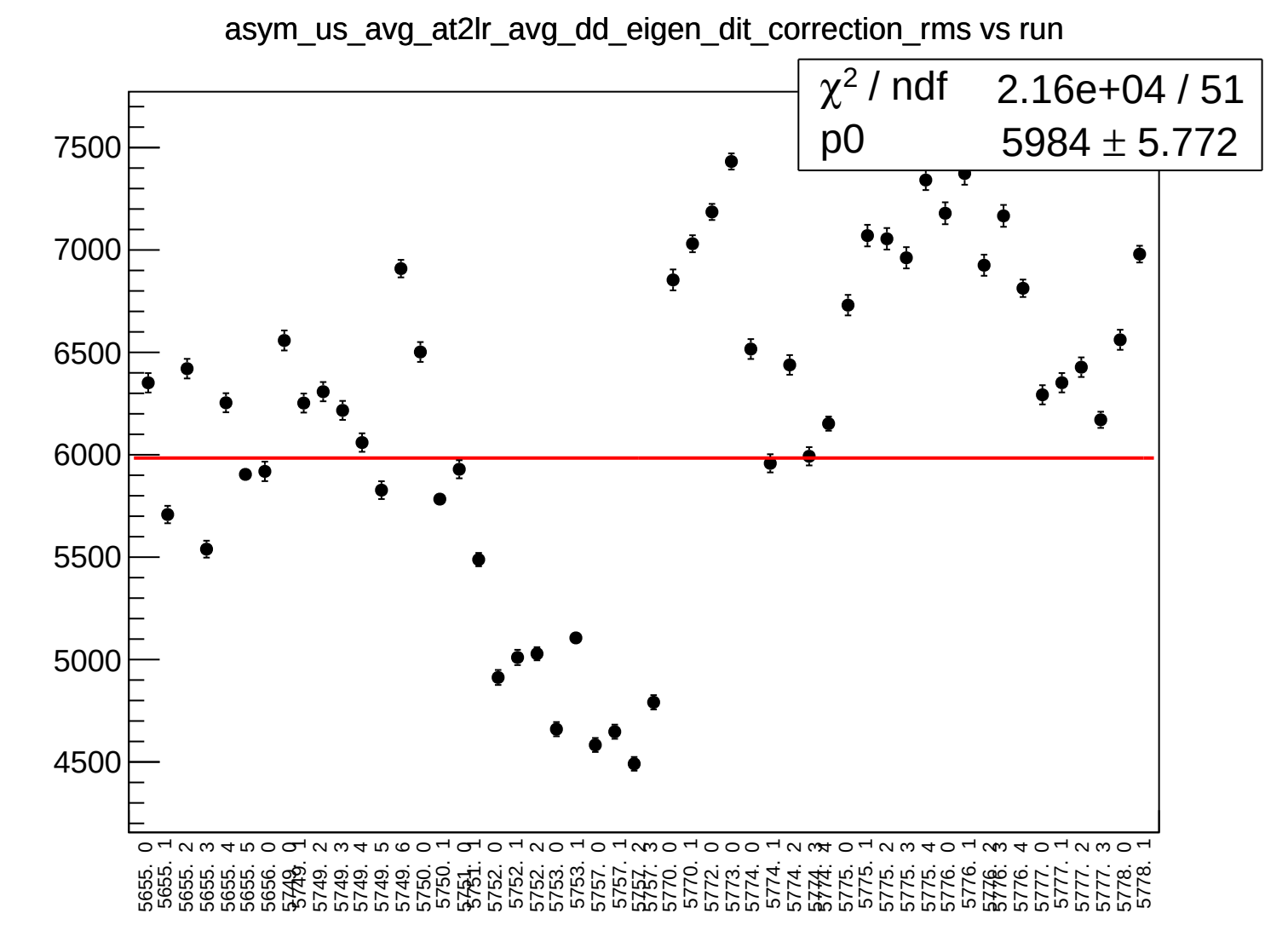

eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 55.04 / 51
p0 3446 ± 1839
60000
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 61.03
Std Dev 110.5
2
1
0
−1
−2

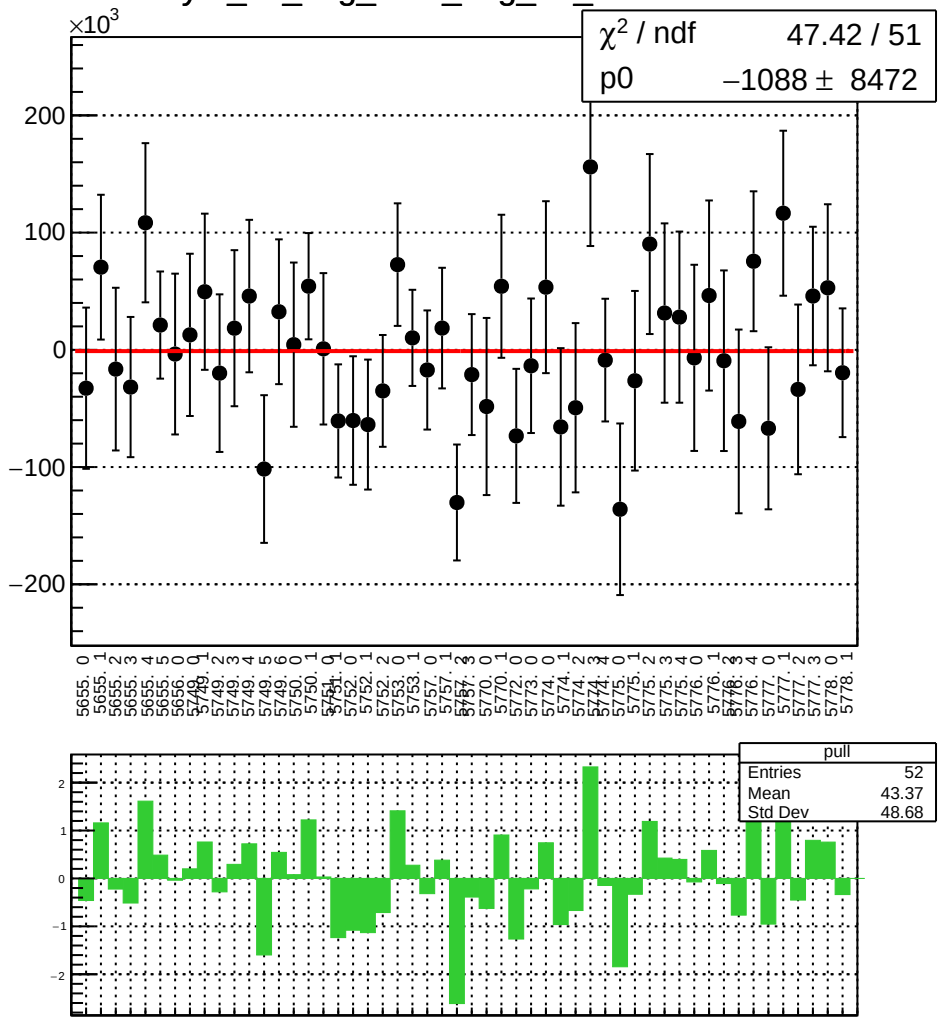

pull1D
Entries 52
Mean 0.003426
Std Dev 1.029
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

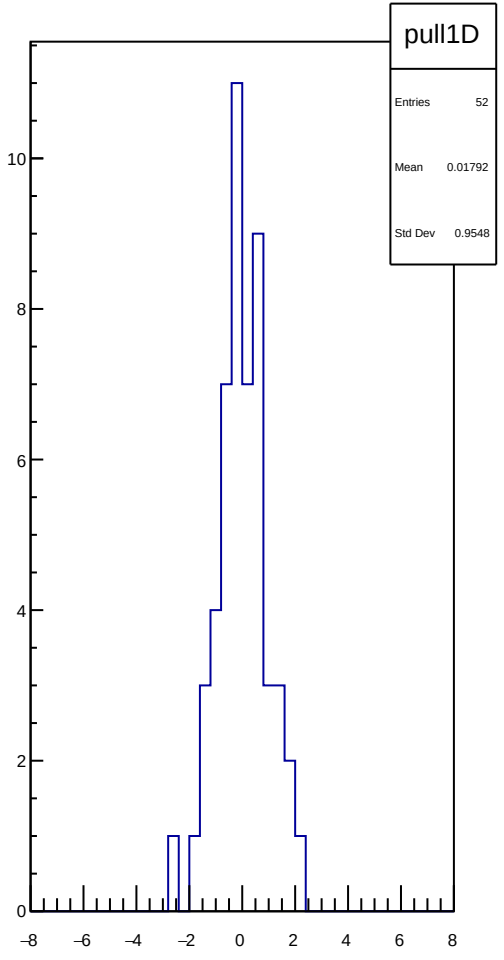

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 2.701e+04 / 51
p0 1345 ± 1.3
1800
1700
1600
1500
1400
1300
1200
1100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

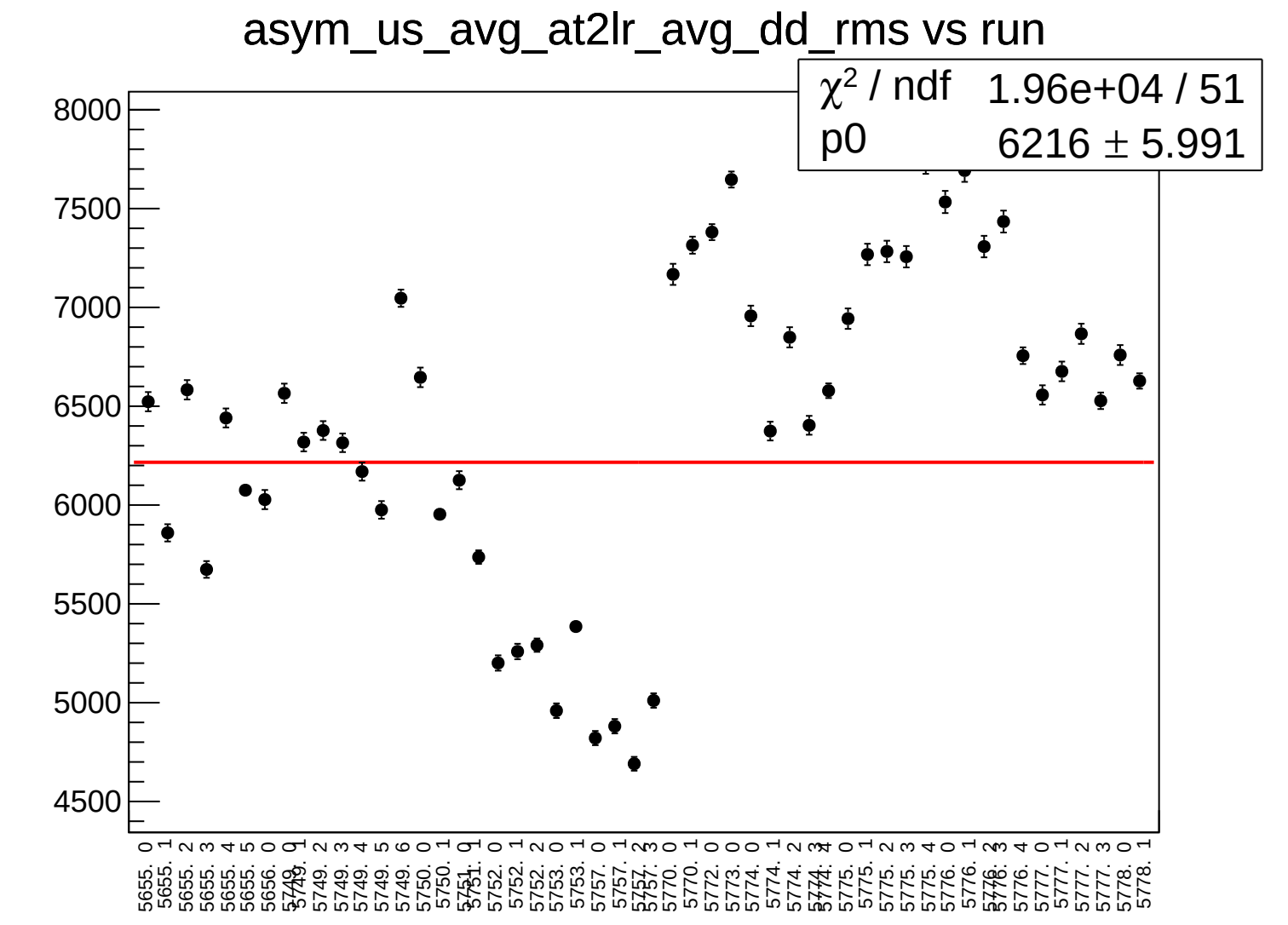

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 50.31 / 51
p0 4608 ± 8163
200
100
0
−100
−200
pull
Entries 52
Mean 42.04
Std Dev 43.87
2
1
0
−1
−2

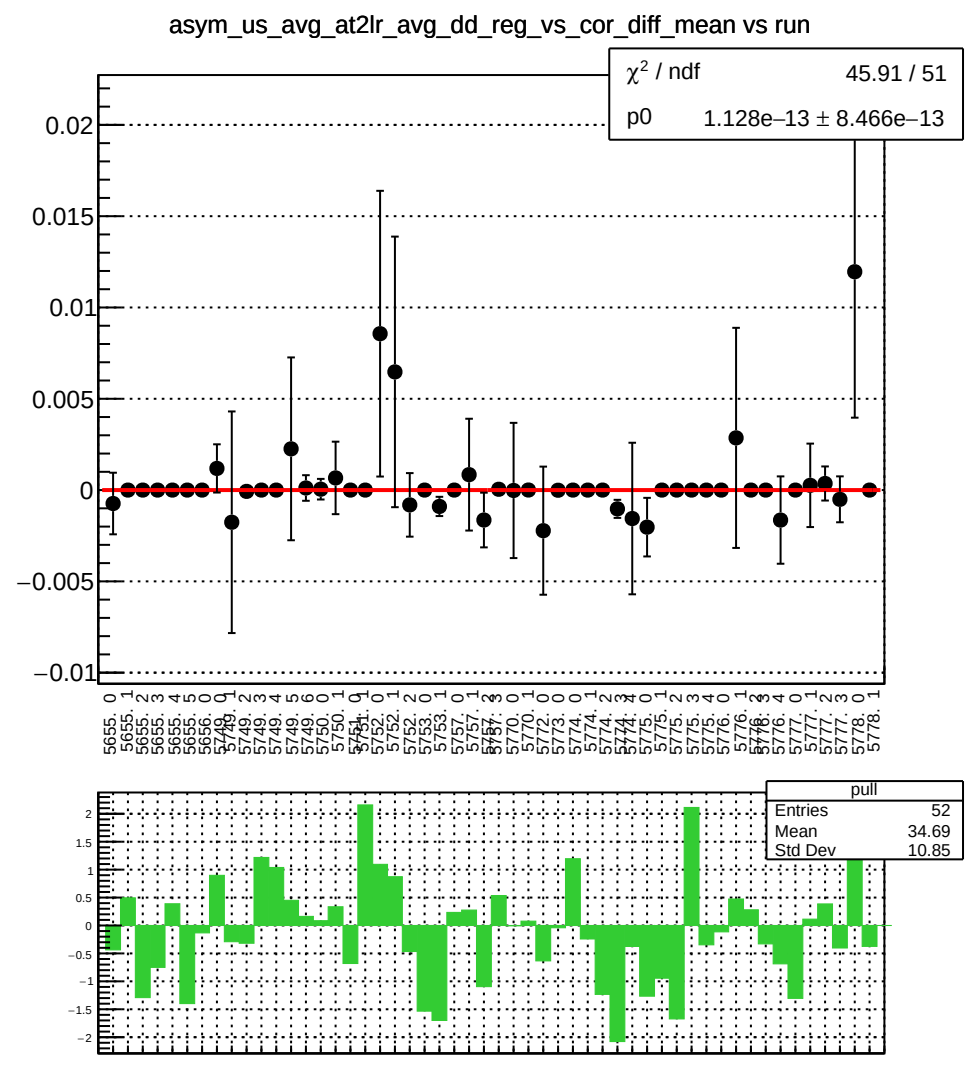

pull1D
Entries 52
Mean −0.01823
Std Dev 0.9834
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

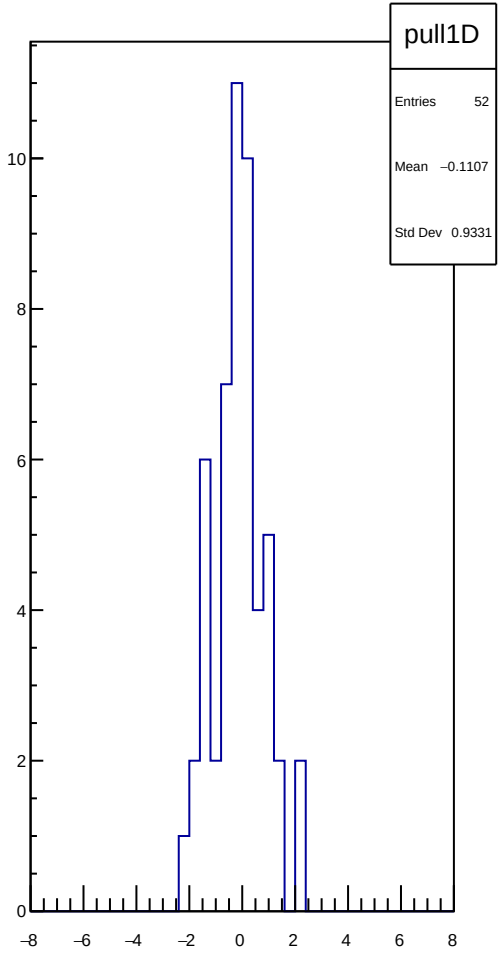

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.16e+04 / 51
p0 5984 ± 5.772
7500
7000
6500
6000
5500
5000
4500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

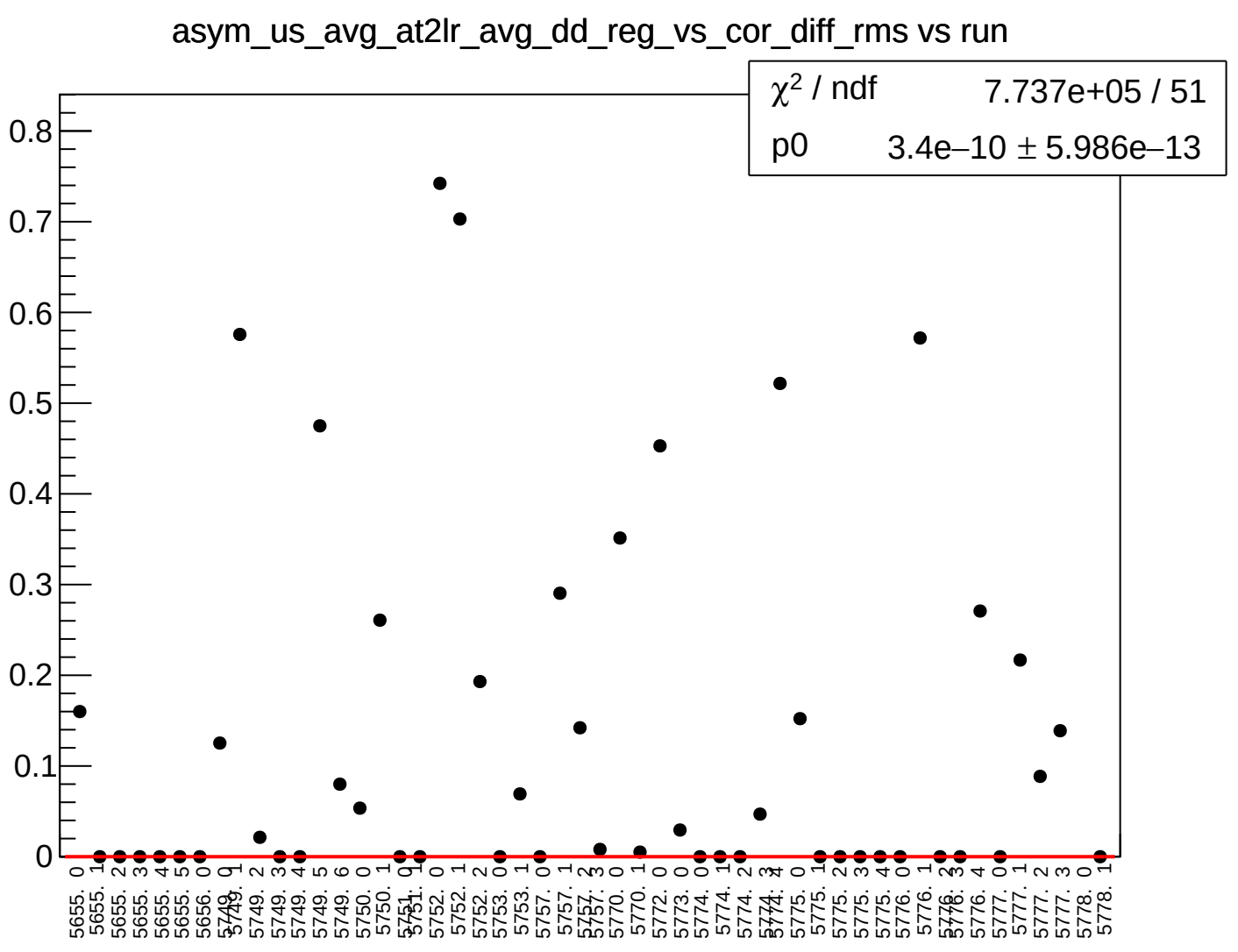

asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 47.42 / 51
p0 −1088 ± 8472
200
100
0
−100
−200
pull
Entries 52
Mean 43.37
Std Dev 48.68
2
1
0
−1
−2

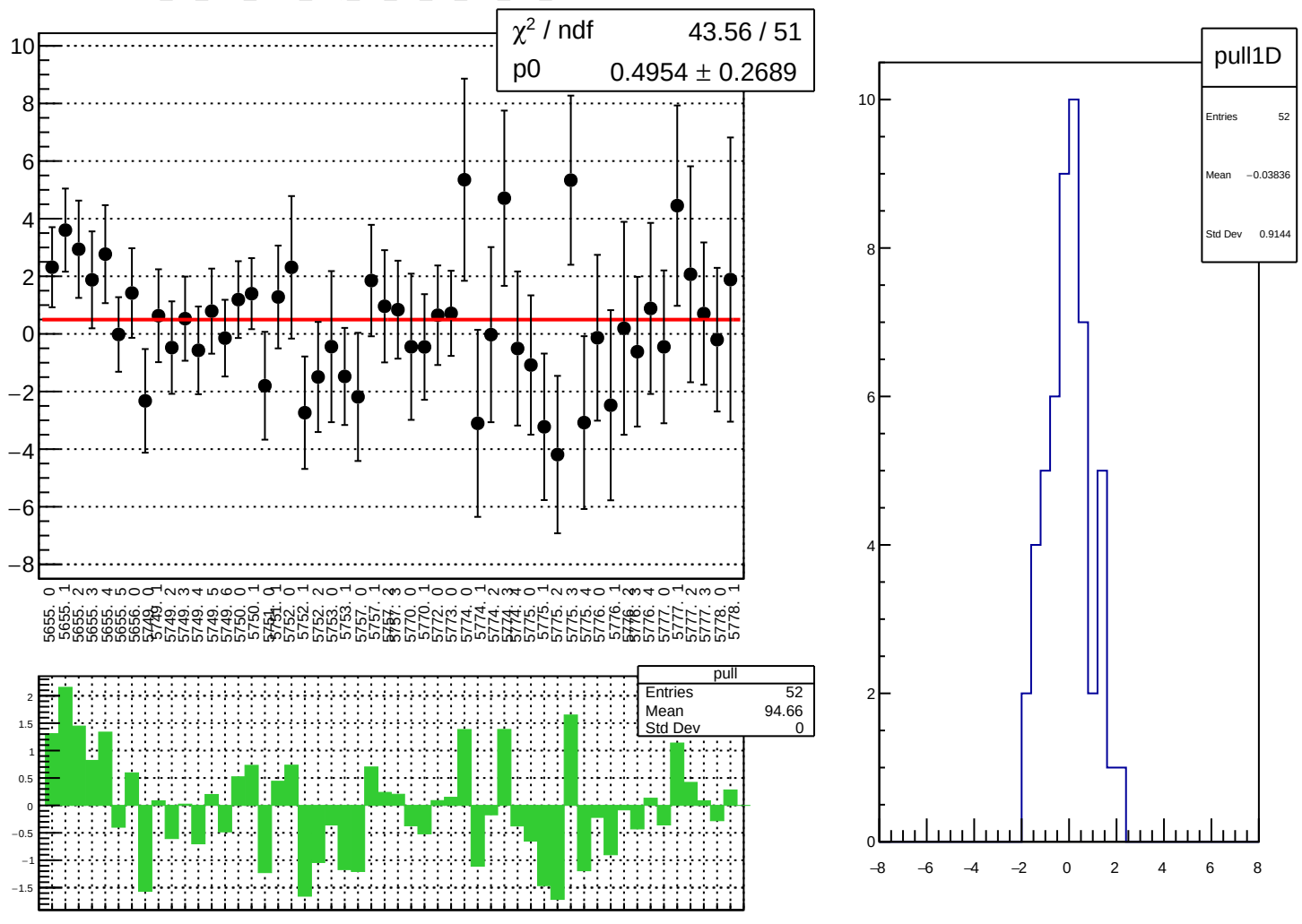

pull1D
Entries 52
Mean 0.01792
Std Dev 0.9548
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

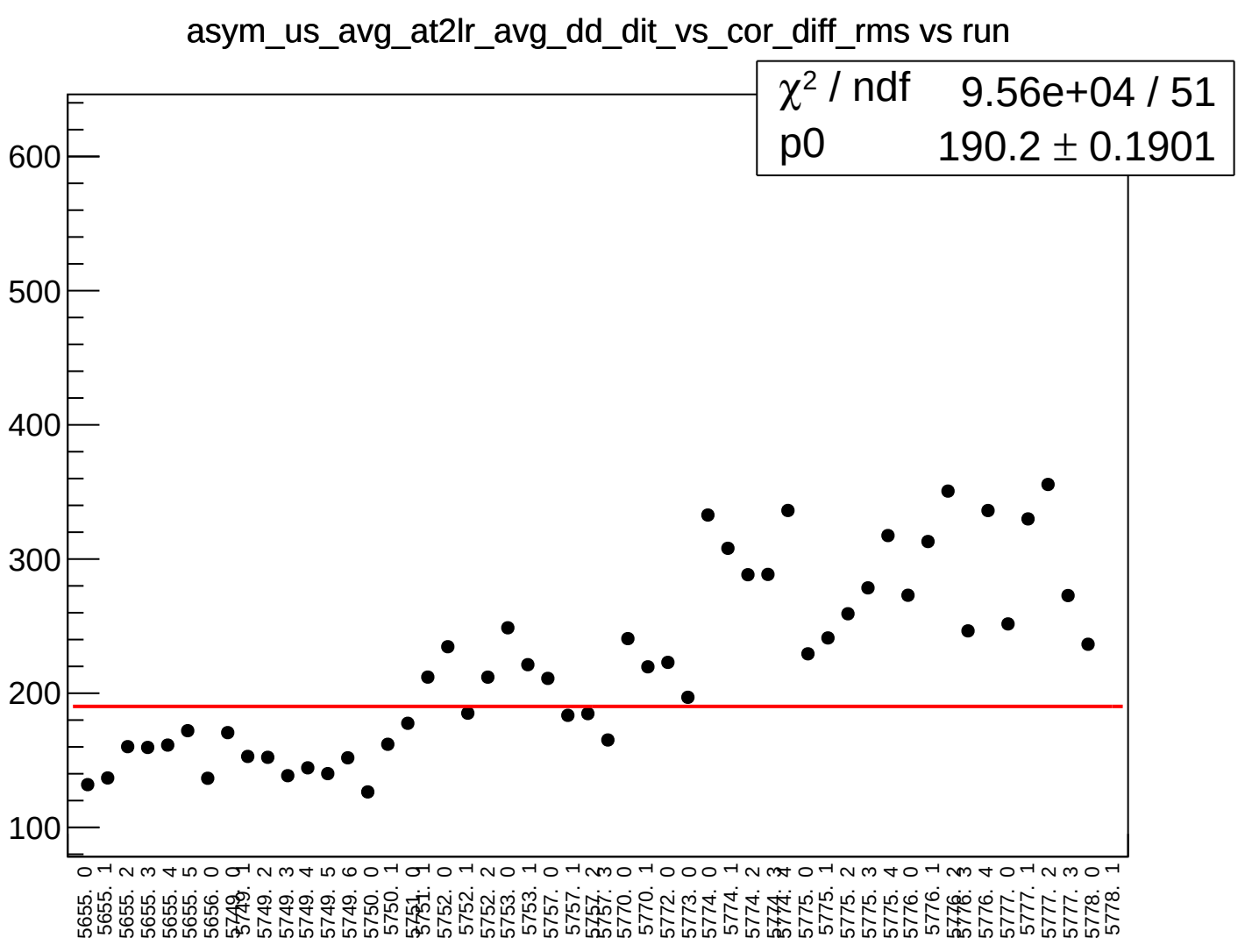

asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 1.96e+04 / 51
p0 6216 ± 5.991
8000
7500
7000
6500
6000
5500
5000
4500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

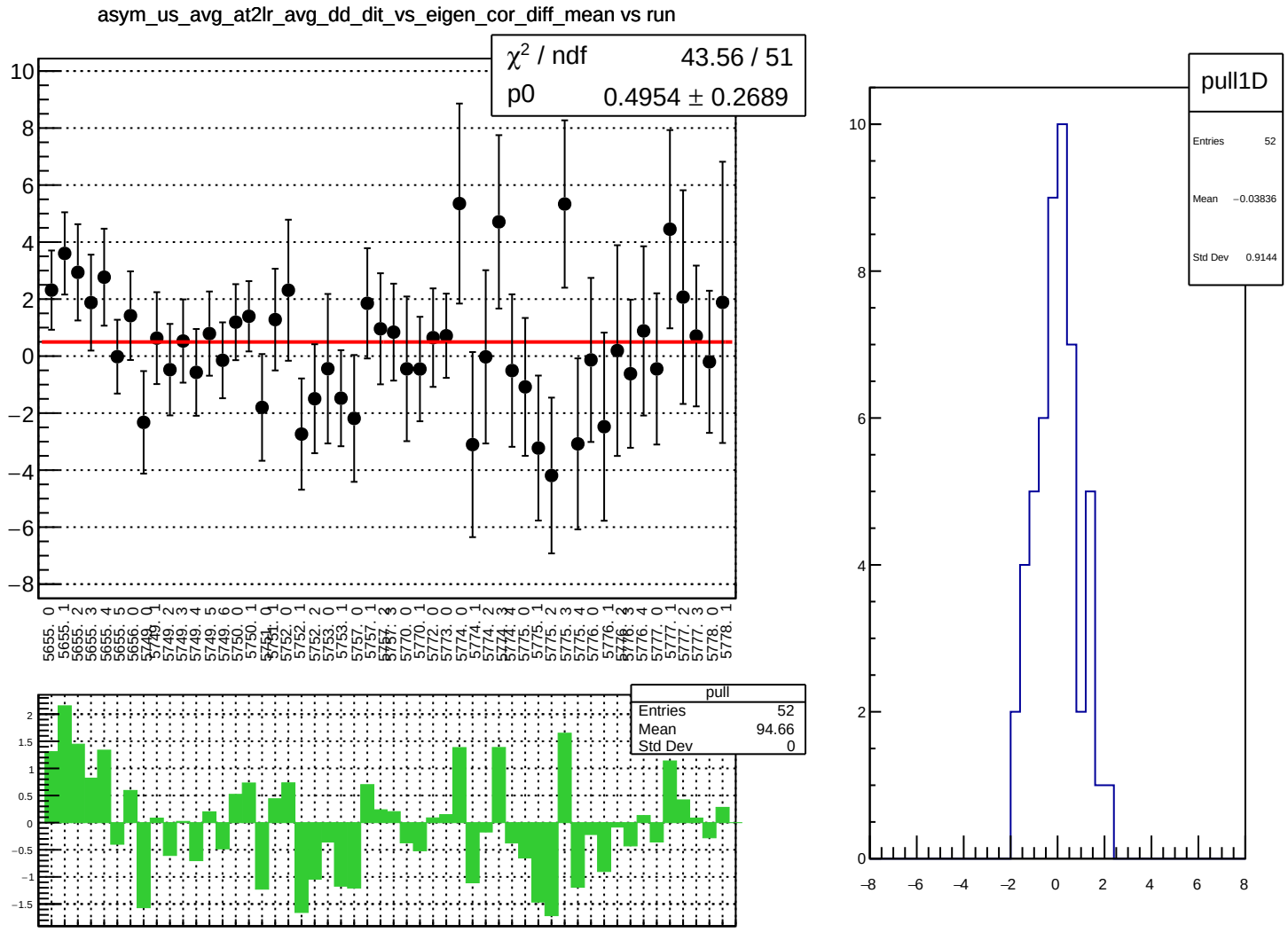

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 45.91 / 51
p0 1.128e−13 ± 8.466e−13
pull
Entries 52
Mean 34.69
Std Dev 10.85

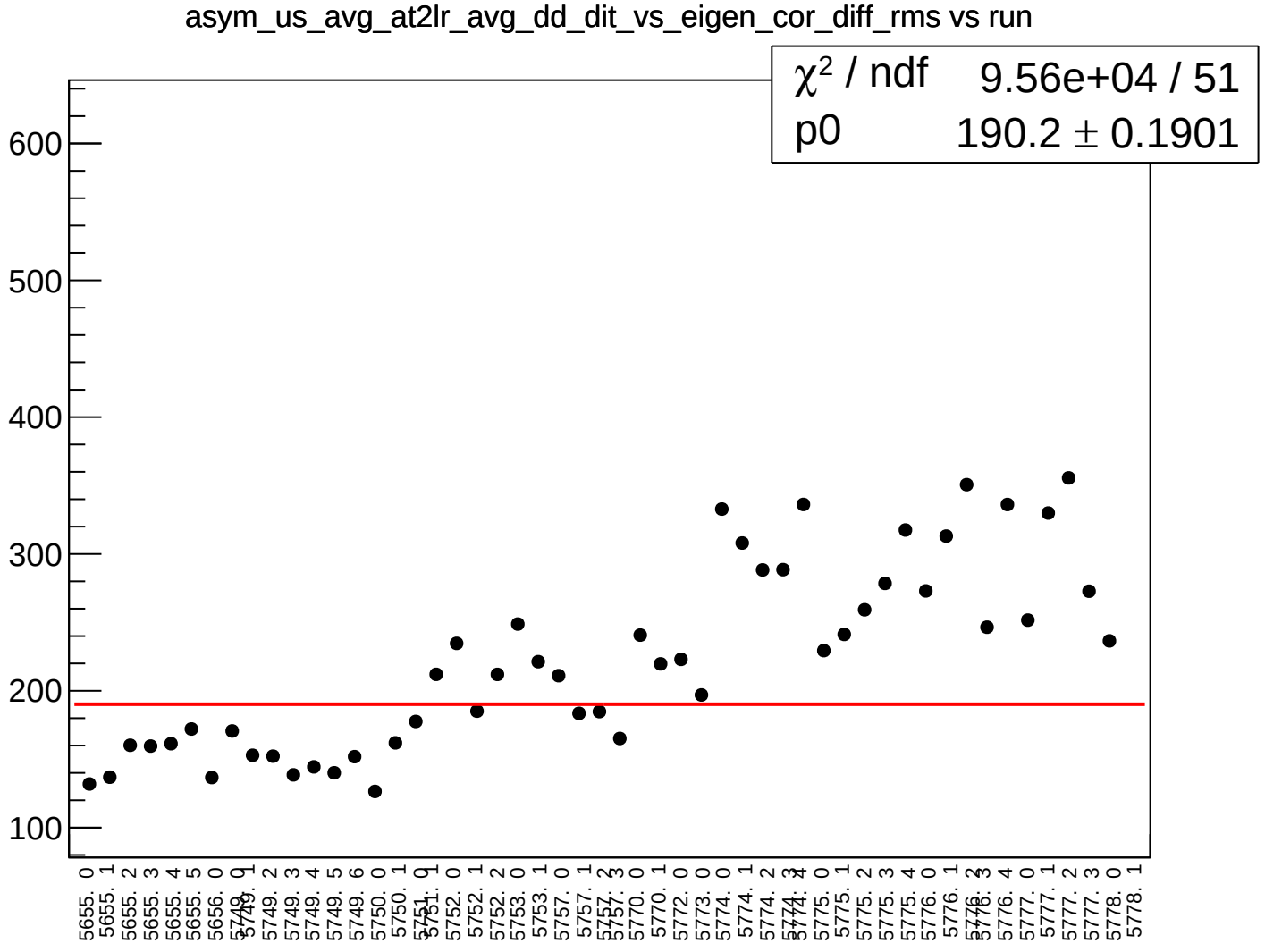

pull1D
Entries 52
Mean −0.1107
Std Dev 0.9331

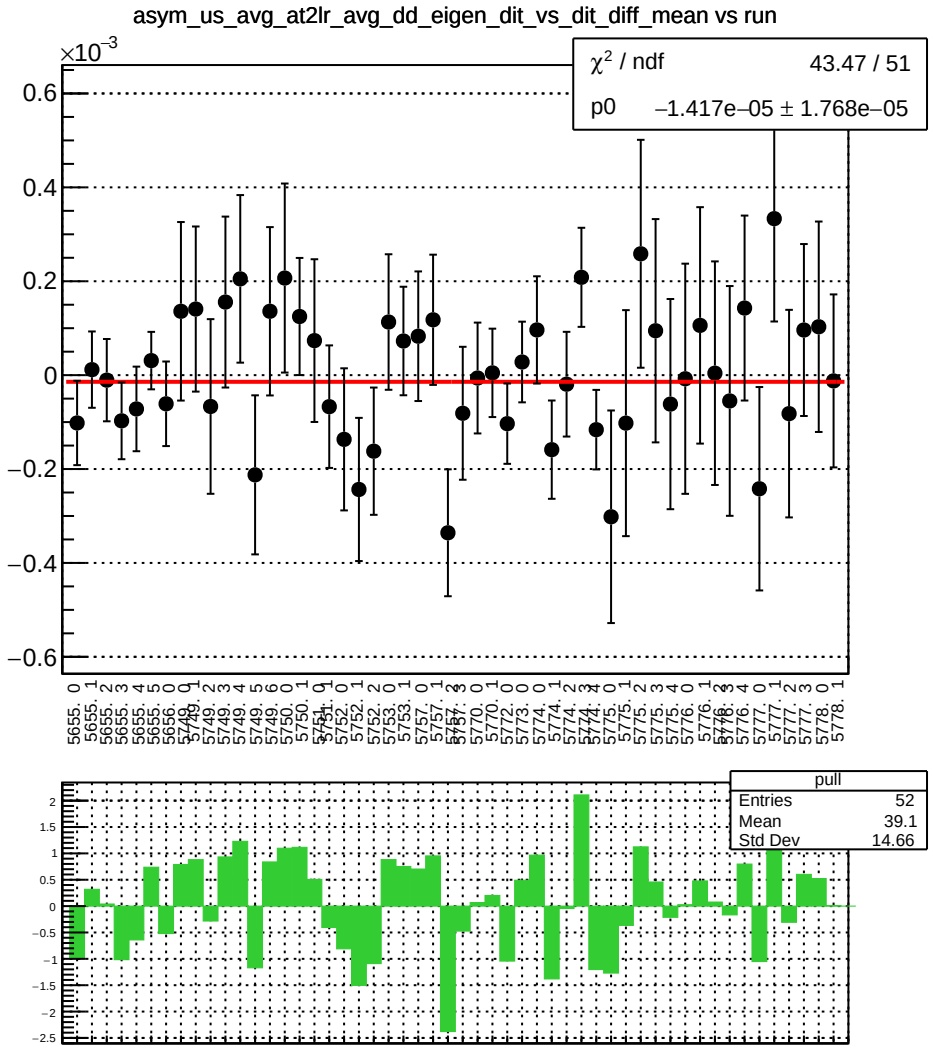

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.737e+05 / 51
p0 3.4e−10 ± 5.986e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

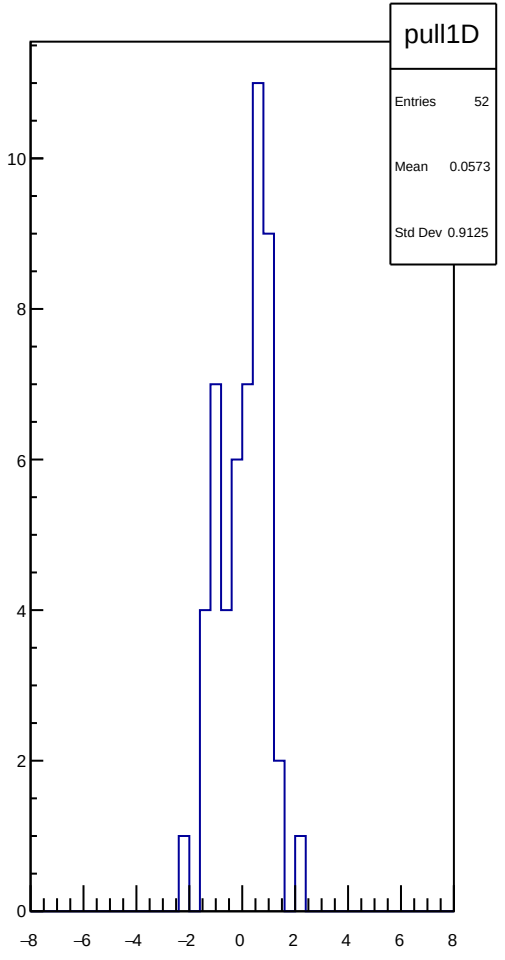

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 43.56 / 51
p0 0.4954 ± 0.2689
pull
Entries 52
Mean 94.66
Std Dev 0
pull1D
Entries 52
Mean −0.03836
Std Dev 0.9144

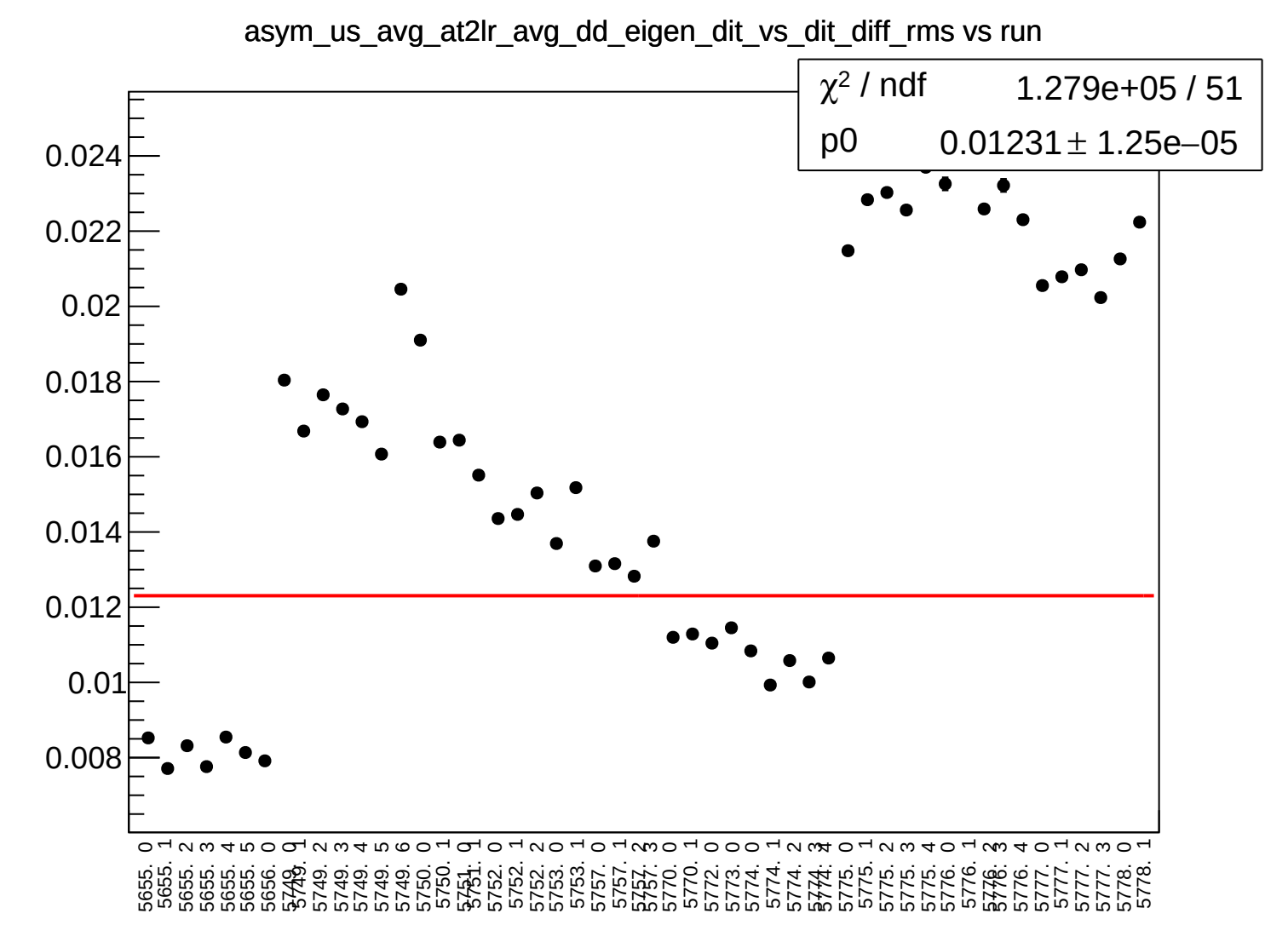

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 9.56e+04 / 51
p0 190.2 ± 0.1901
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

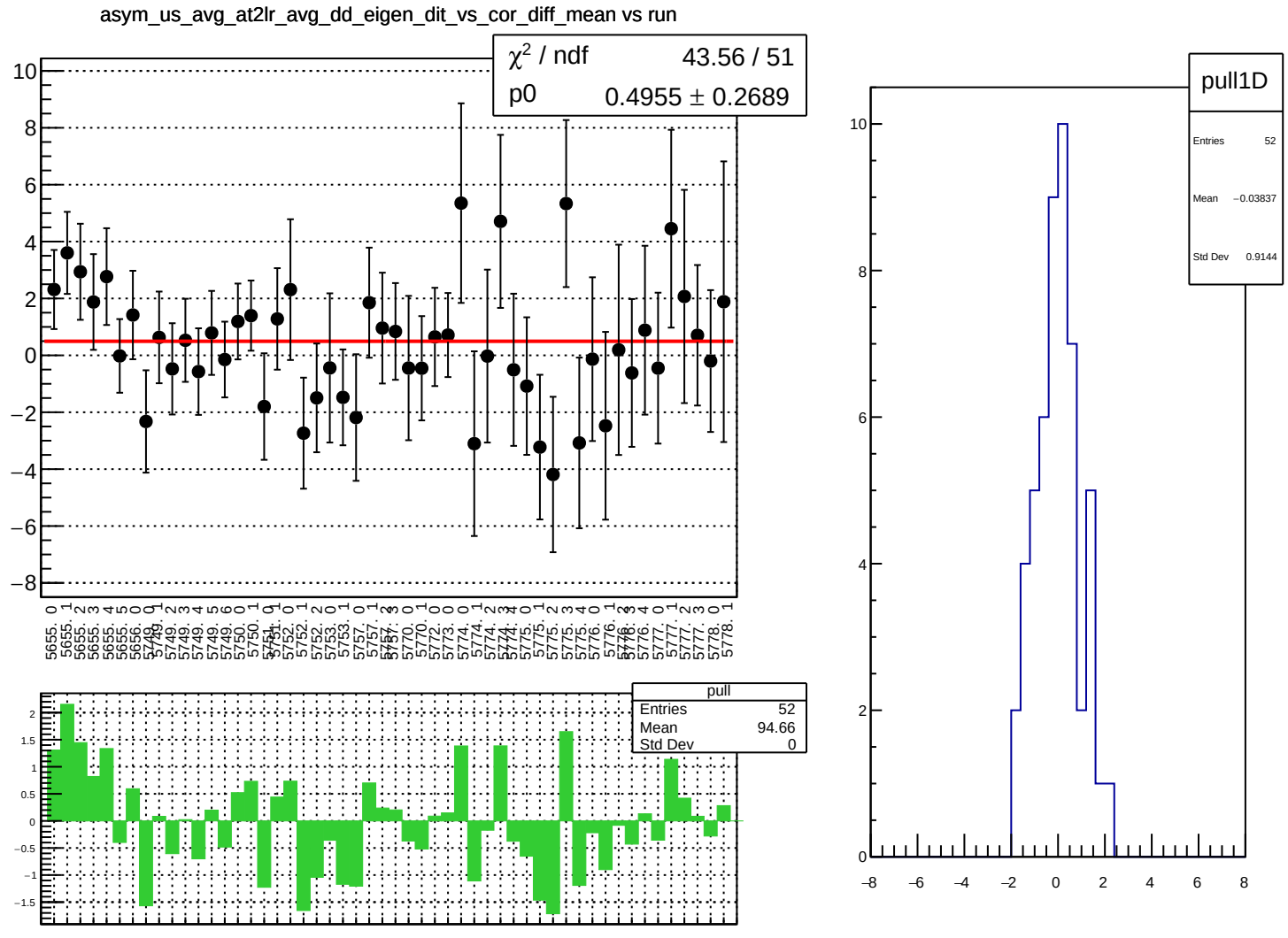

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.56 / 51
p0 0.4954 ± 0.2689
pull
Entries 52
Mean 94.66
Std Dev 0
pull1D
Entries 52
Mean −0.03836
Std Dev 0.9144

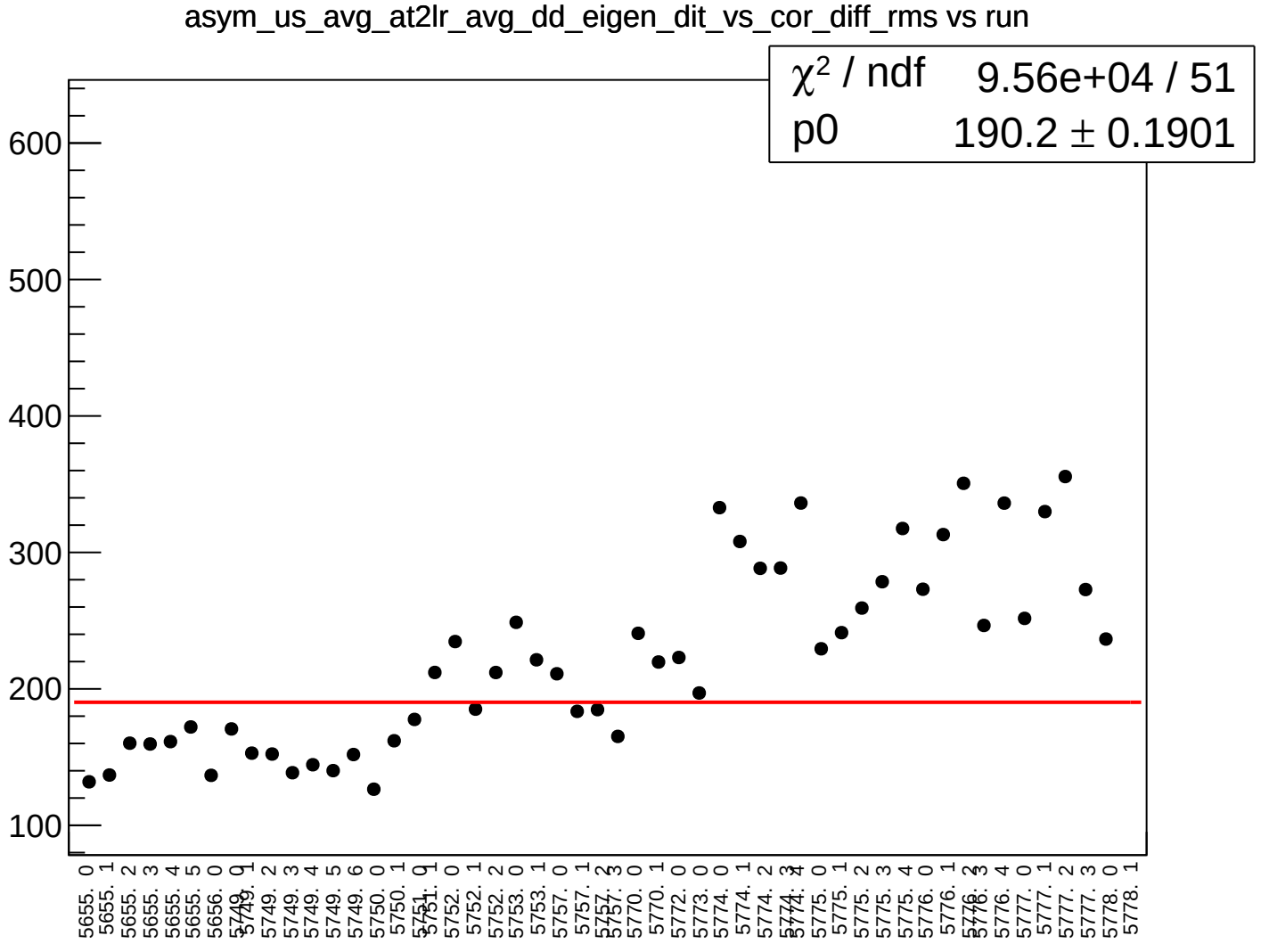

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.56e+04 / 51
p0 190.2 ± 0.1901
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

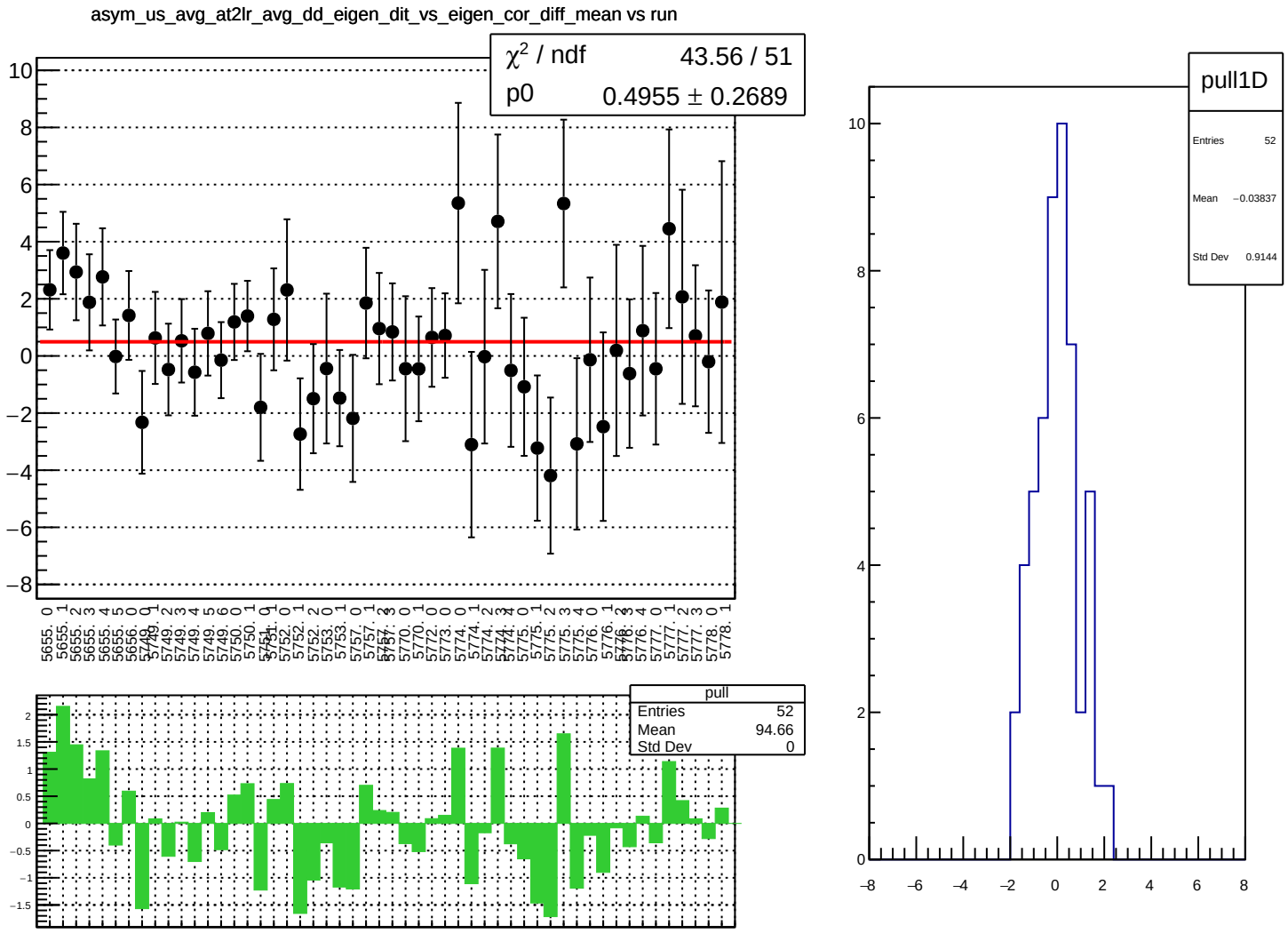

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 43.47 / 51
p0 −1.417e−05 ± 1.768e−05
pull
Entries 52
Mean 39.1
Std Dev 14.66

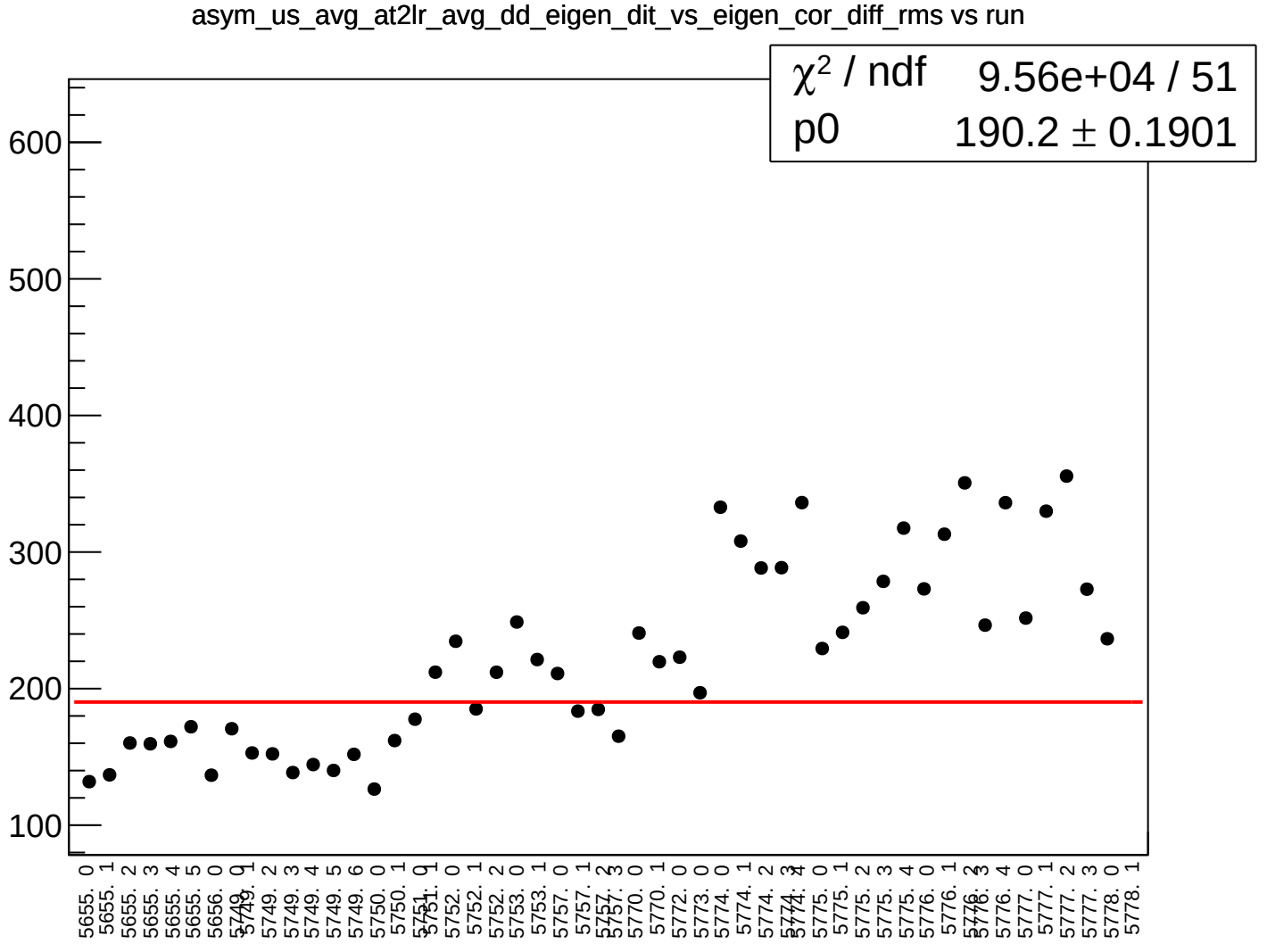

pull1D
Entries 52
Mean 0.0573
Std Dev 0.9125

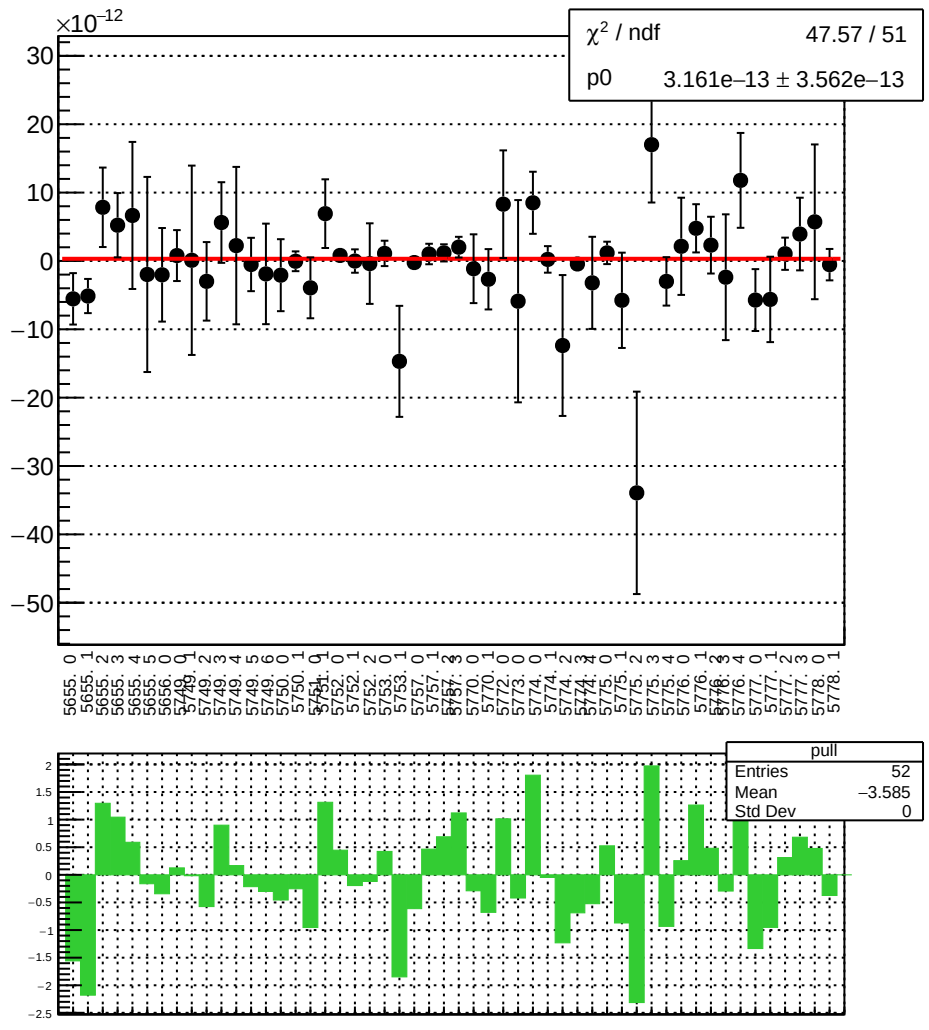

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.279e+05 / 51
p0 0.01231 ± 1.25e−05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

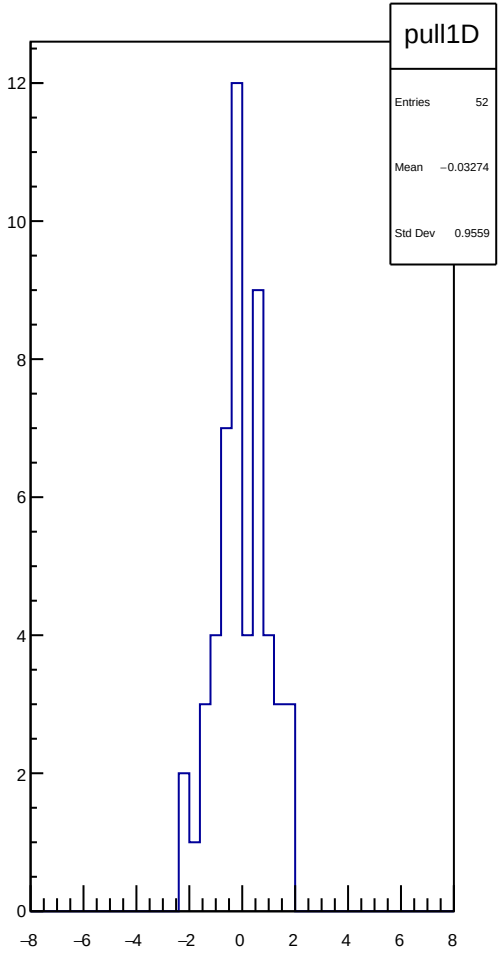

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 43.56 / 51
p0 0.4955 ± 0.2689
pull
Entries 52
Mean 94.66
Std Dev 0
pull1D
Entries 52
Mean −0.03837
Std Dev 0.9144

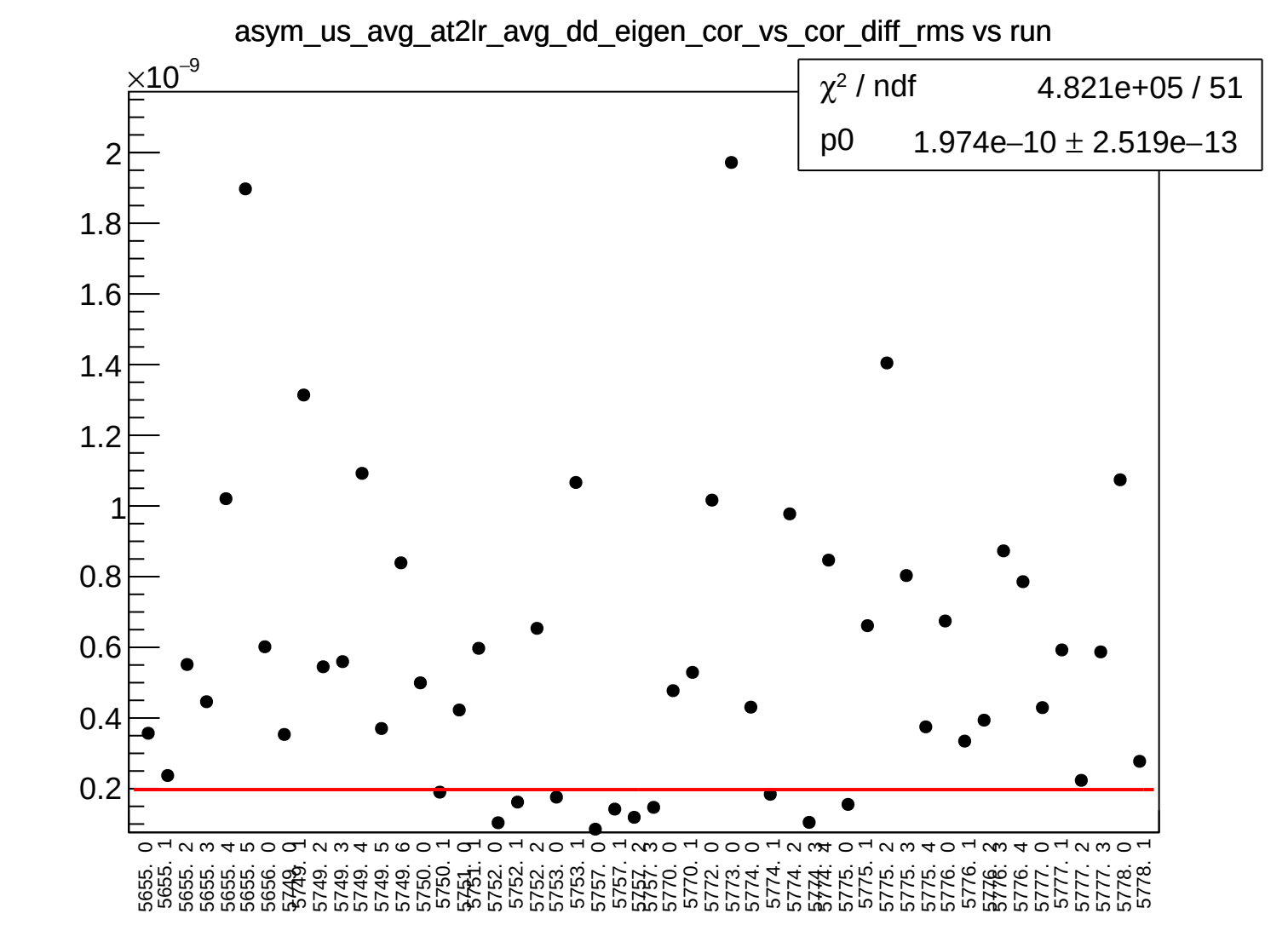

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.56e+04 / 51
p0 190.2 ± 0.1901
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

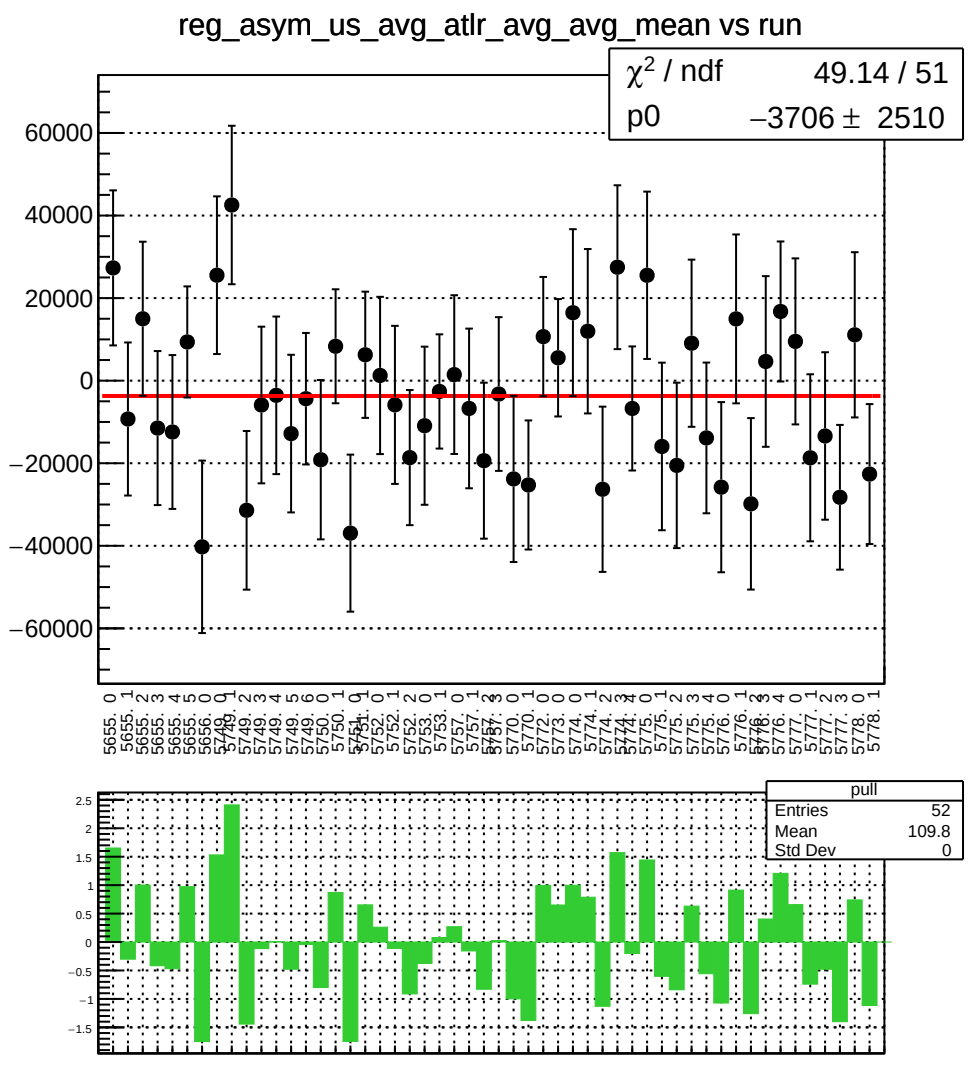

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.56 / 51
p0 0.4955 ± 0.2689
pull
Entries 52
Mean 94.66
Std Dev 0
pull1D
Entries 52
Mean −0.03837
Std Dev 0.9144

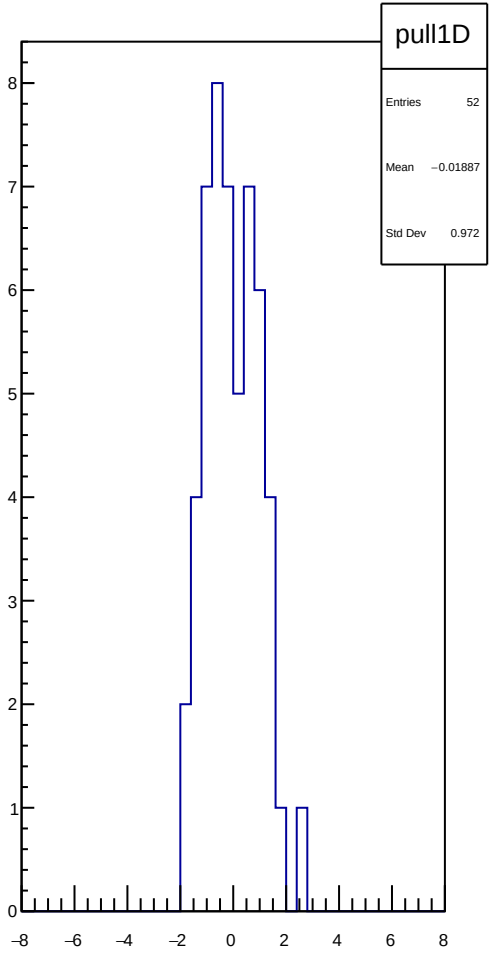

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.56e+04 / 51
p0 190.2 ± 0.1901
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

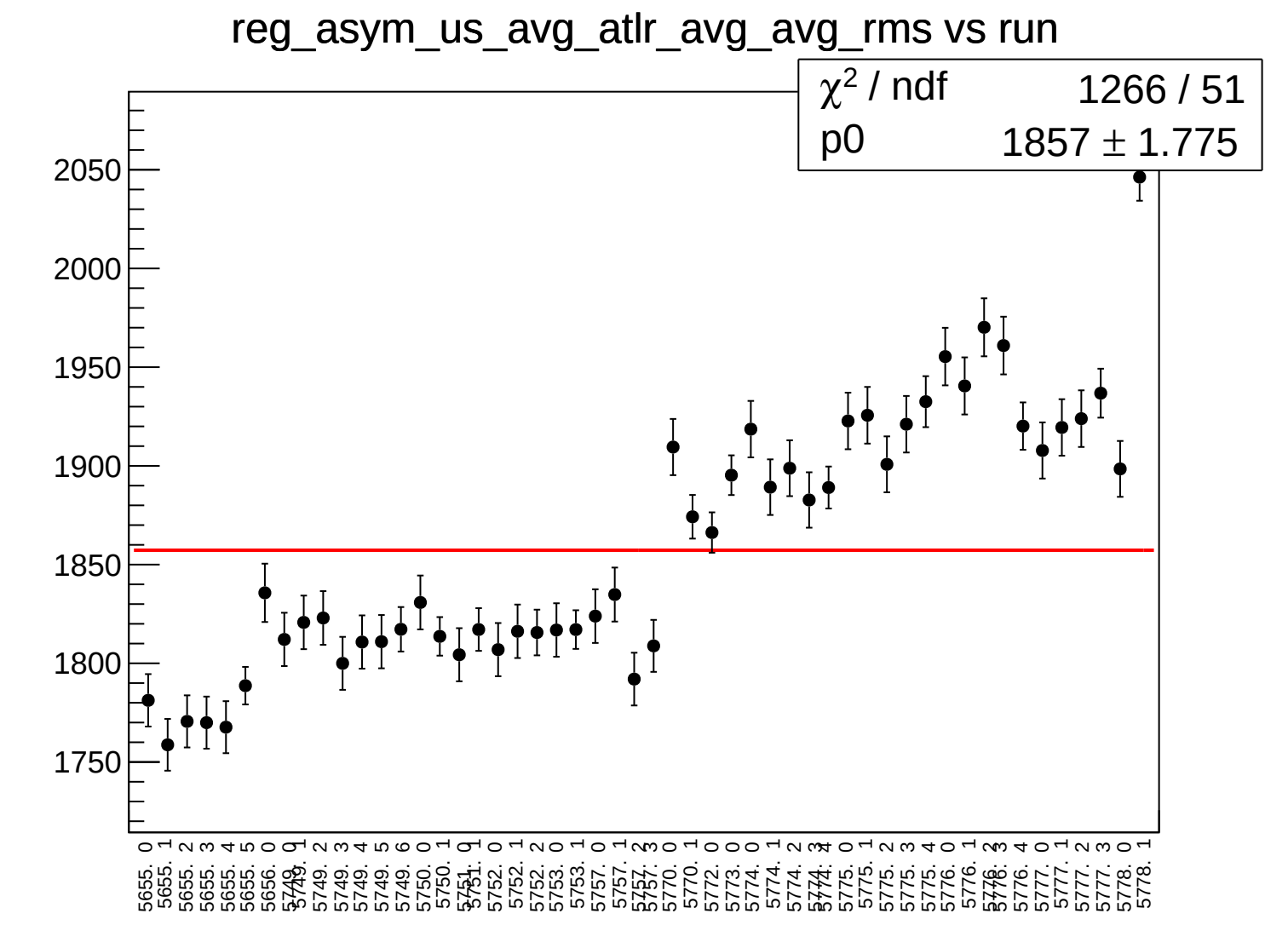

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.57 / 51
p0 3.161e−13 ± 3.562e−13
pull
Entries 52
Mean −3.585
Std Dev 0

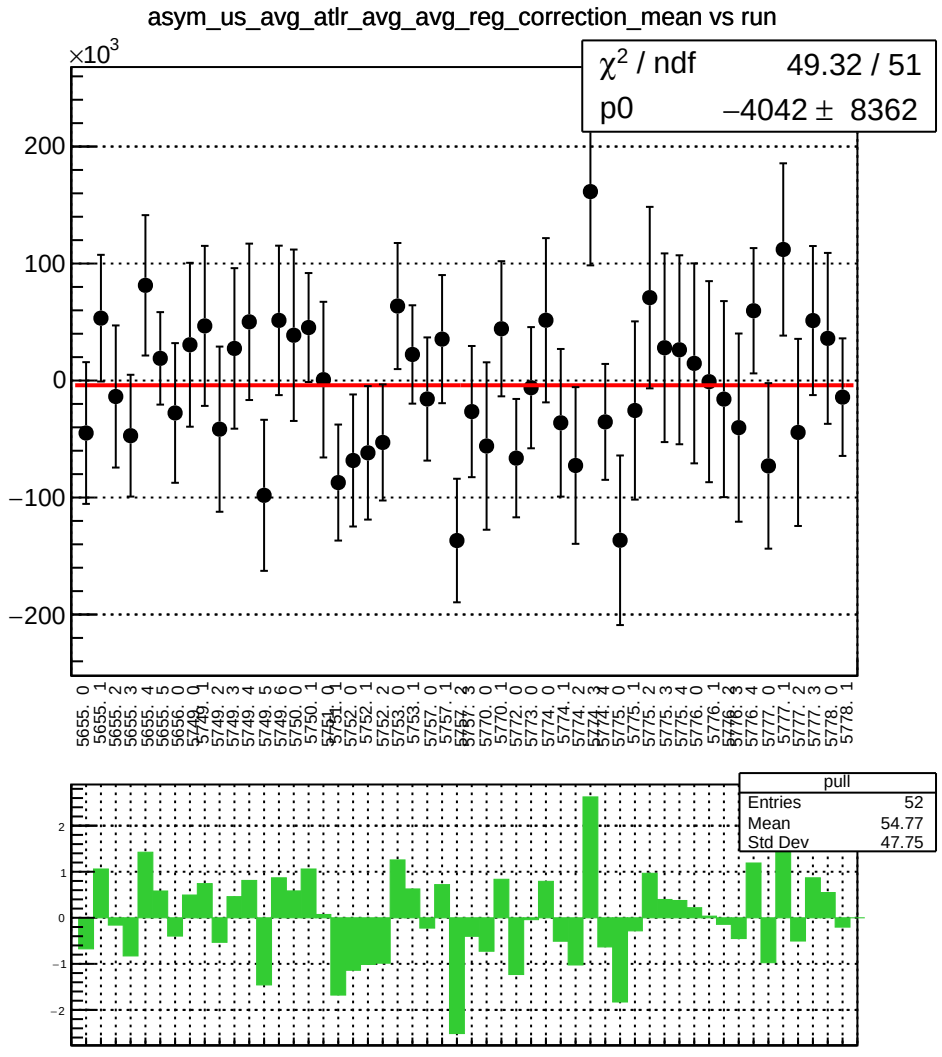

pull1D
Entries 52
Mean −0.03274
Std Dev 0.9559

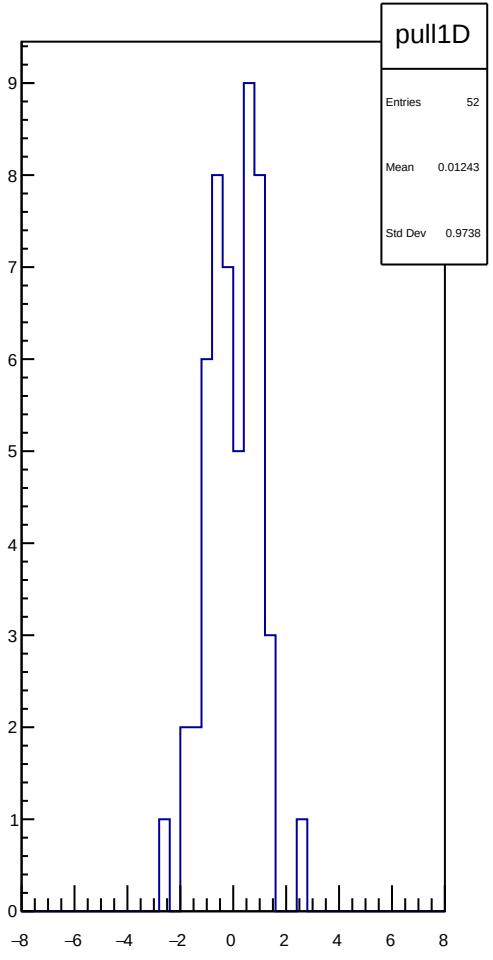

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.821e+05 / 51
p0 1.974e−10 ± 2.519e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

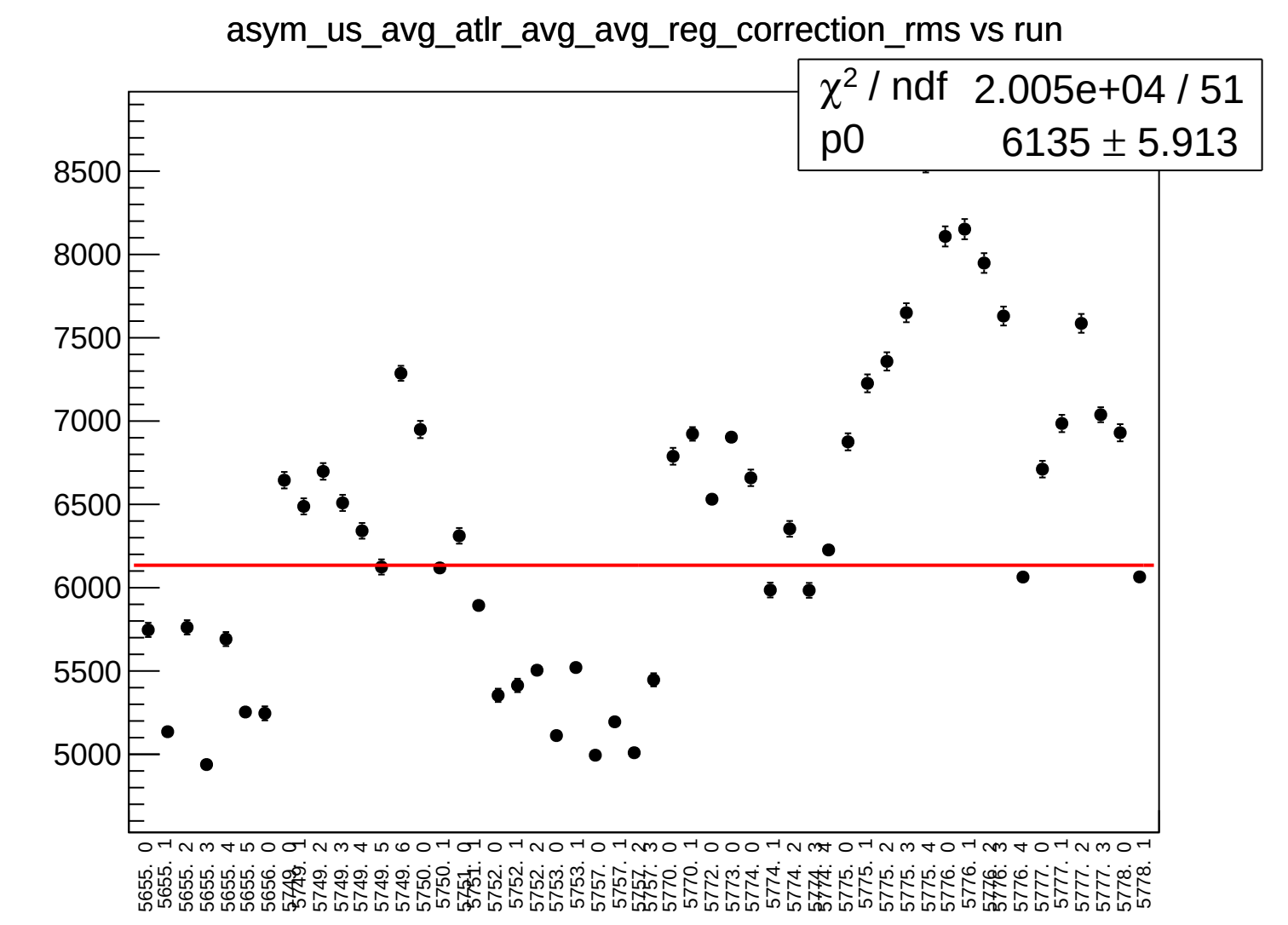

reg_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 49.14 / 51
p0 −3706 ± 2510
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 109.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

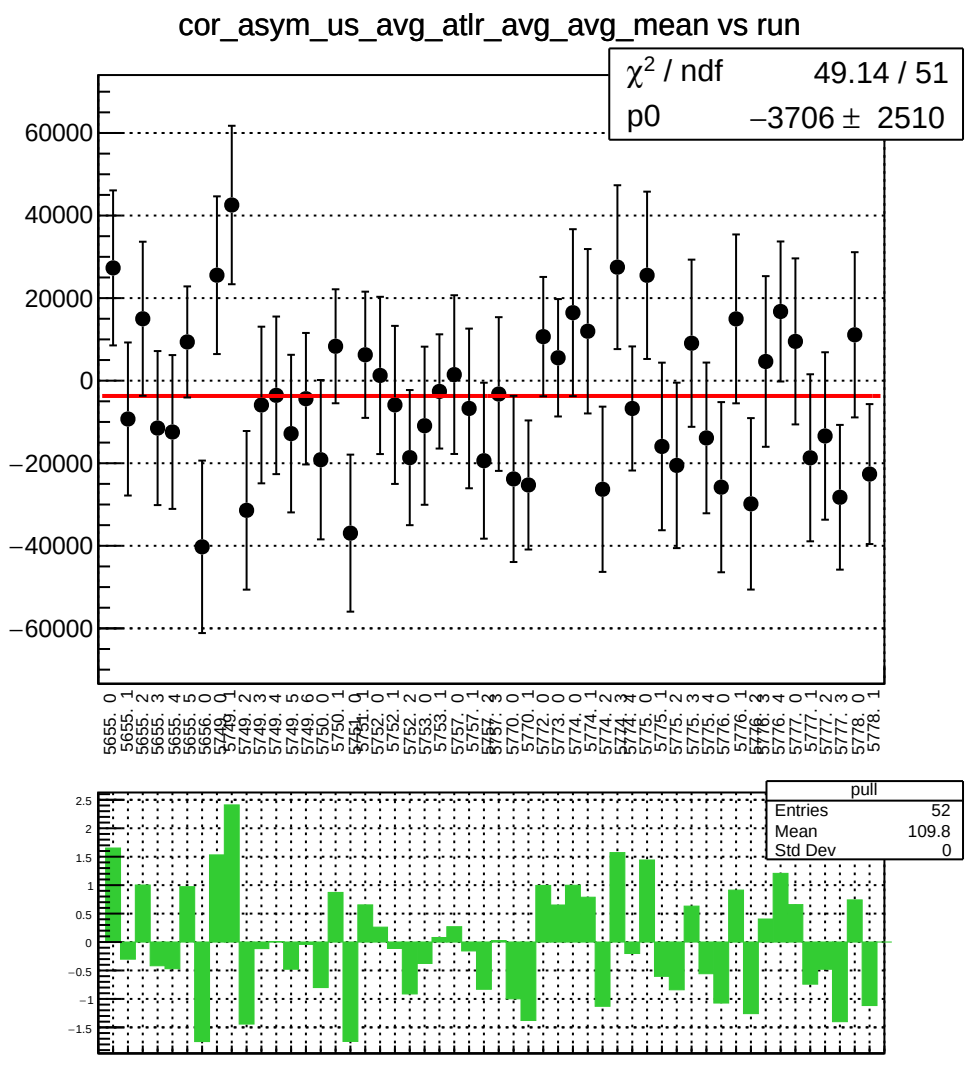

pull1D
Entries 52
Mean −0.01887
Std Dev 0.972
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

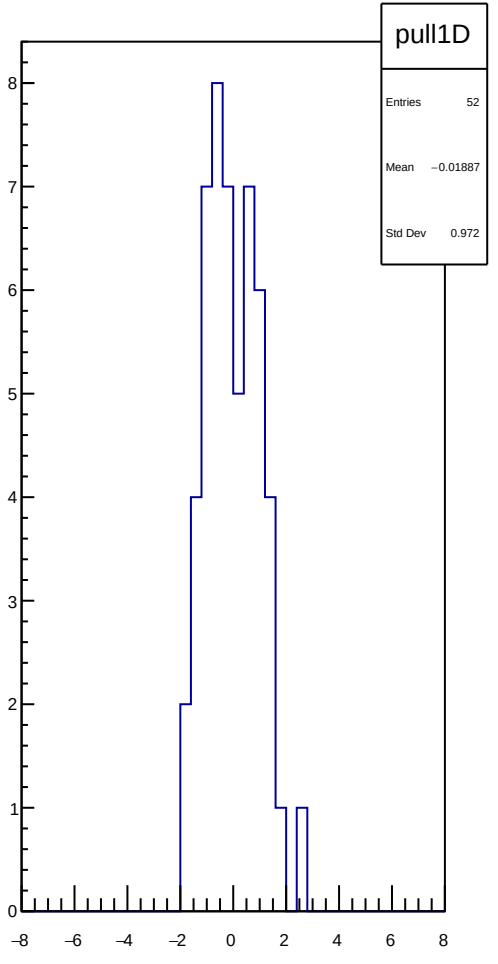

reg_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 1266 / 51
p0 1857 ± 1.775
2050
2000
1950
1900
1850
1800
1750
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

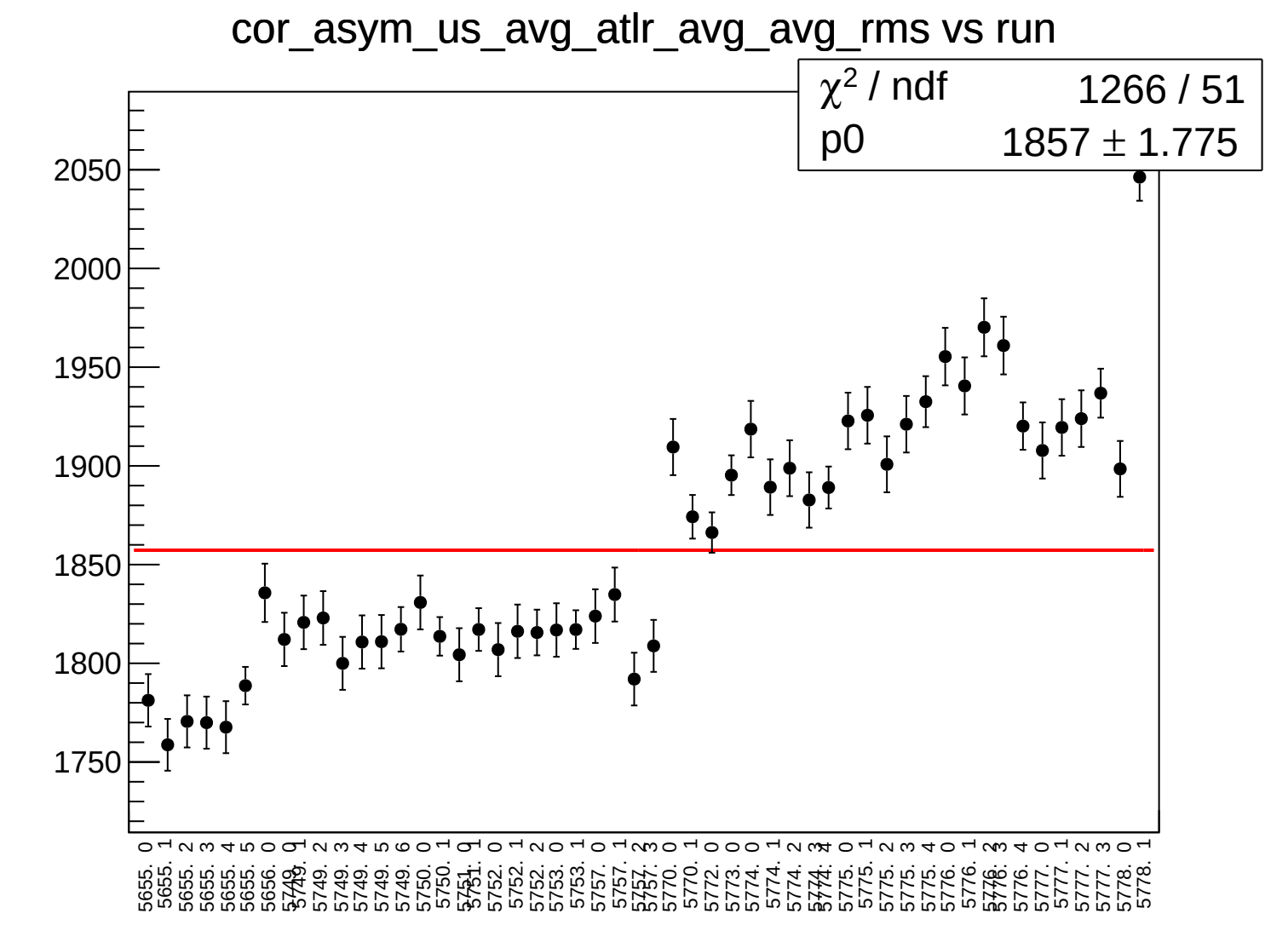

asym_us_avg_atlr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 49.32 / 51
p0 −4042 ± 8362
200
100
0
−100
−200
pull
Entries 52
Mean 54.77
Std Dev 47.75
2
1
0
−1
−2

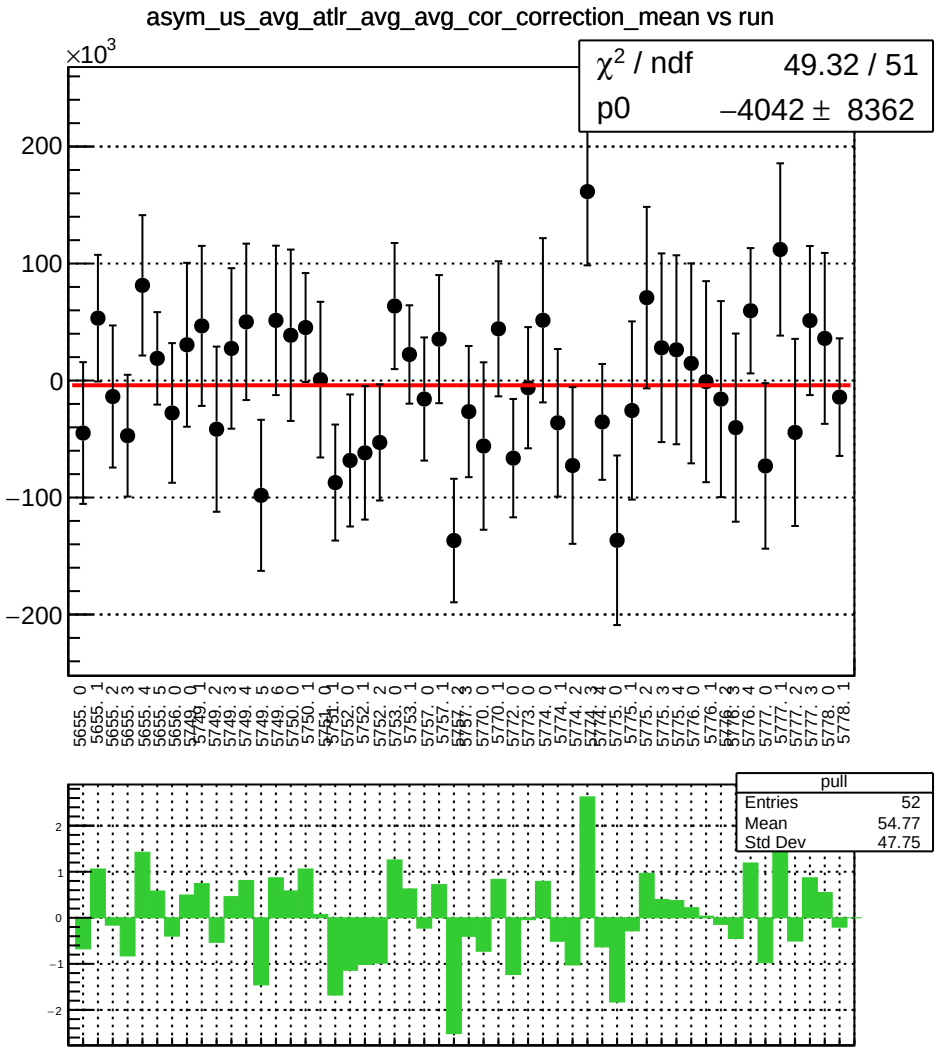

pull1D
Entries 52
Mean 0.01243
Std Dev 0.9738
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

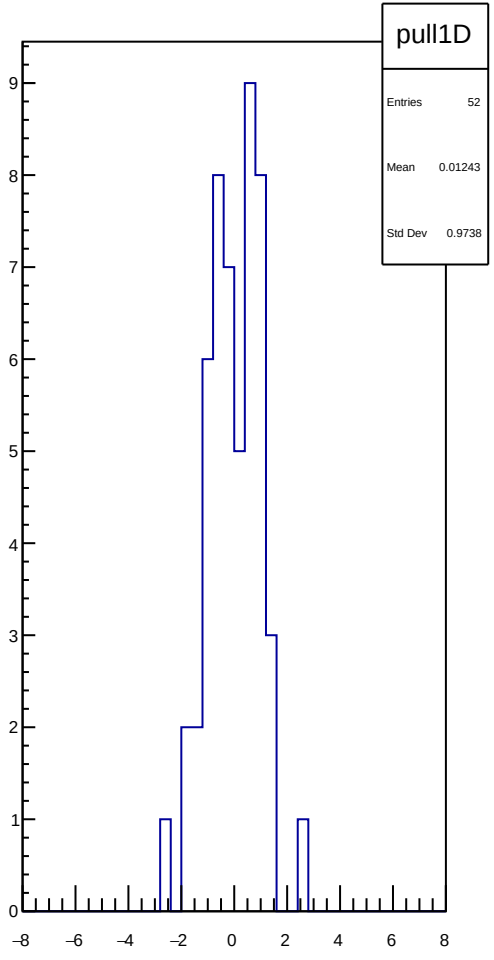

asym_us_avg_atlr_avg_avg_reg_correction_rms vs run
χ² / ndf 2.005e+04 / 51
p0 6135 ± 5.913
8500
8000
7500
7000
6500
6000
5500
5000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

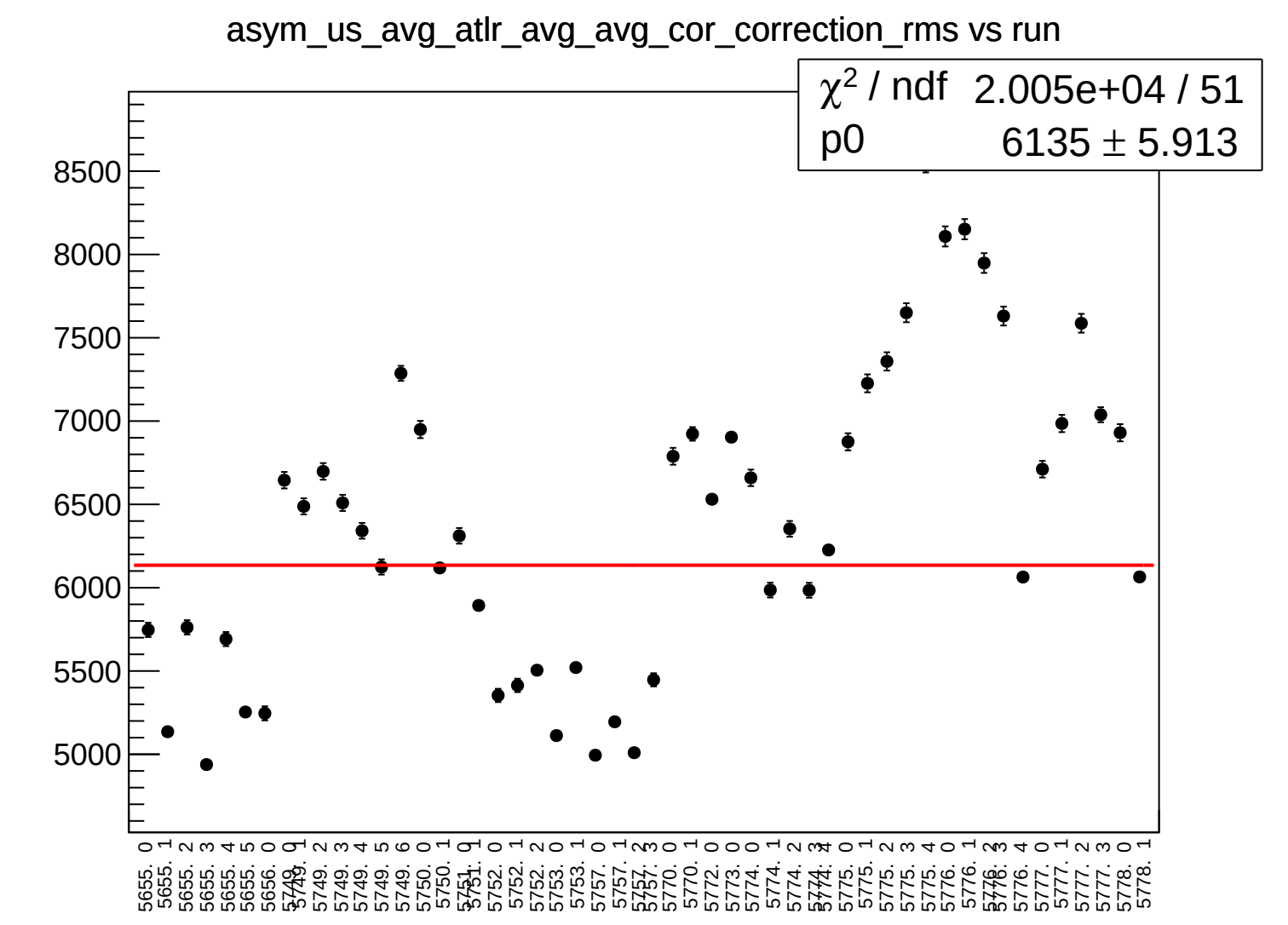

cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 49.14 / 51
p0 −3706 ± 2510
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 109.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 52
Mean −0.01887
Std Dev 0.972
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 1266 / 51
p0 1857 ± 1.775
2050
2000
1950
1900
1850
1800
1750
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_avg_atlr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 49.32 / 51
p0 −4042 ± 8362
200
100
0
−100
−200
pull
Entries 52
Mean 54.77
Std Dev 47.75
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01243
Std Dev 0.9738
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_atlr_avg_avg_cor_correction_rms vs run
χ^2 / ndf 2.005e+04 / 51
p0 6135 ± 5.913
8500
8000
7500
7000
6500
6000
5500
5000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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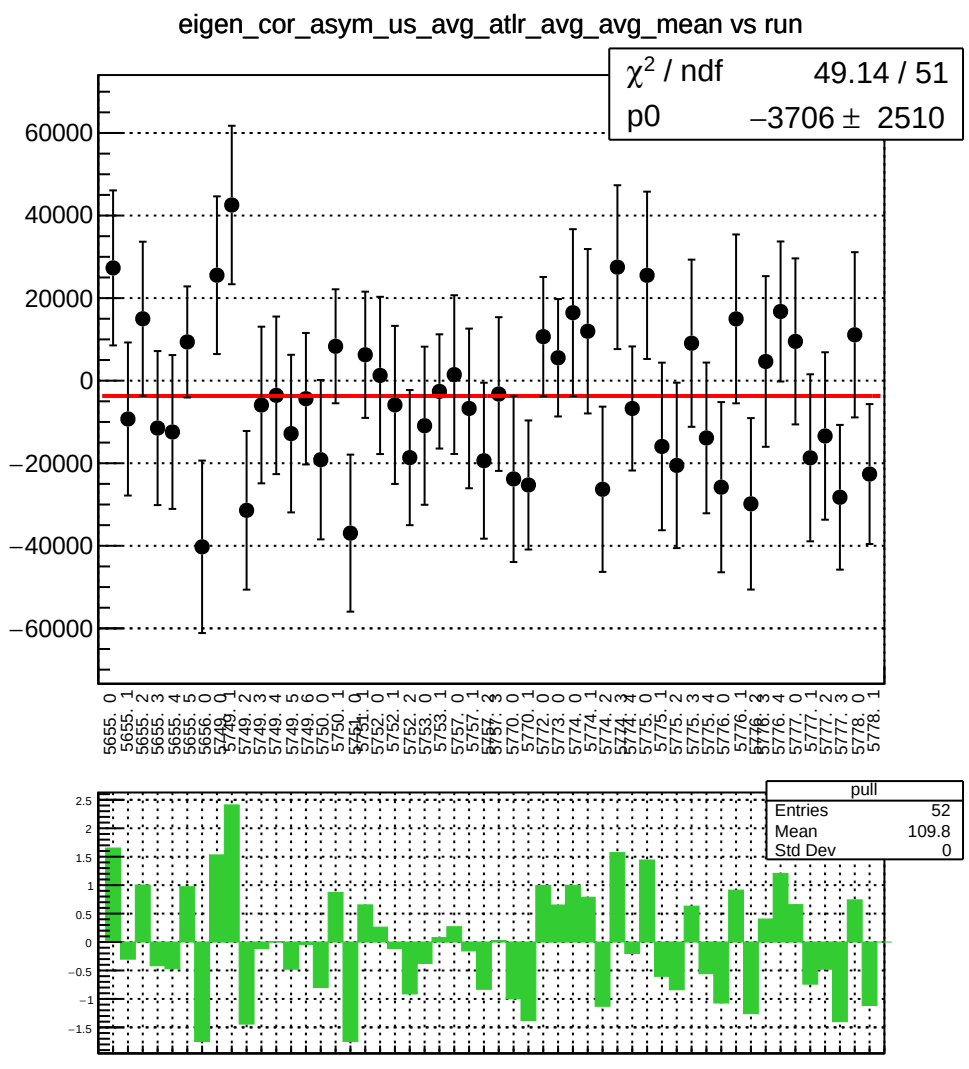
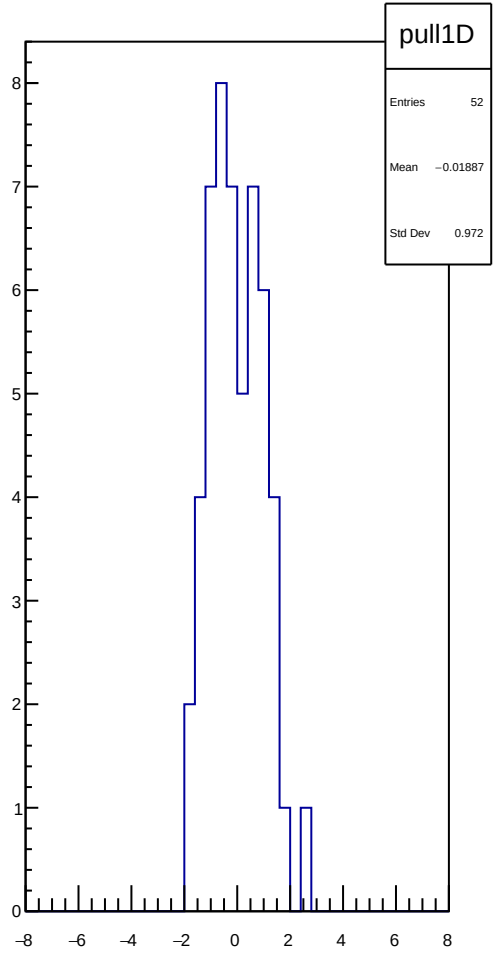
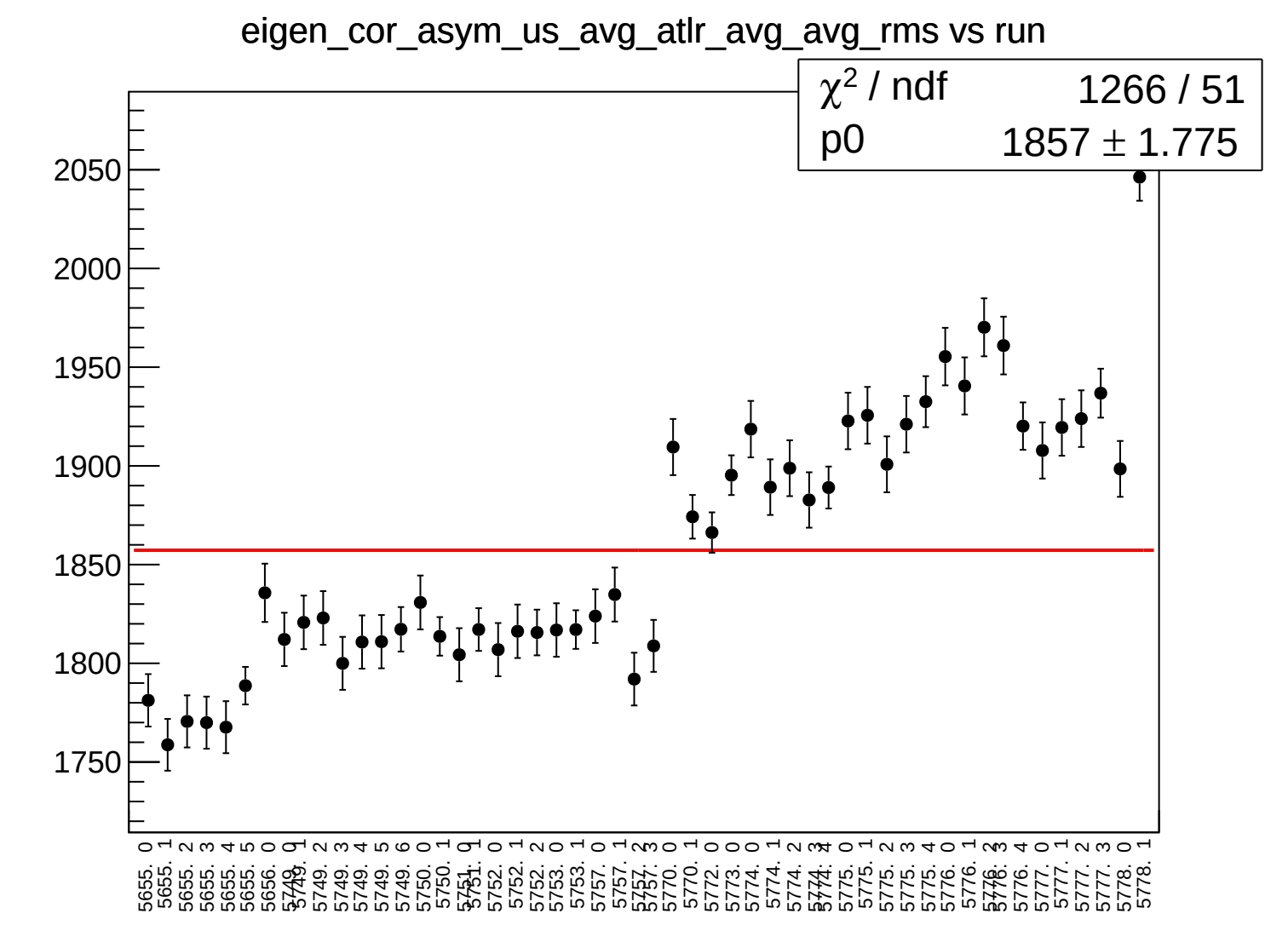
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 49.14 / 51
p0 −3706 ± 2510
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 109.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 52
Mean −0.01887
Std Dev 0.972
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 1266 / 51
p0 1857 ± 1.775
2050
2000
1950
1900
1850
1800
1750
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5751. 1
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5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5770. 1
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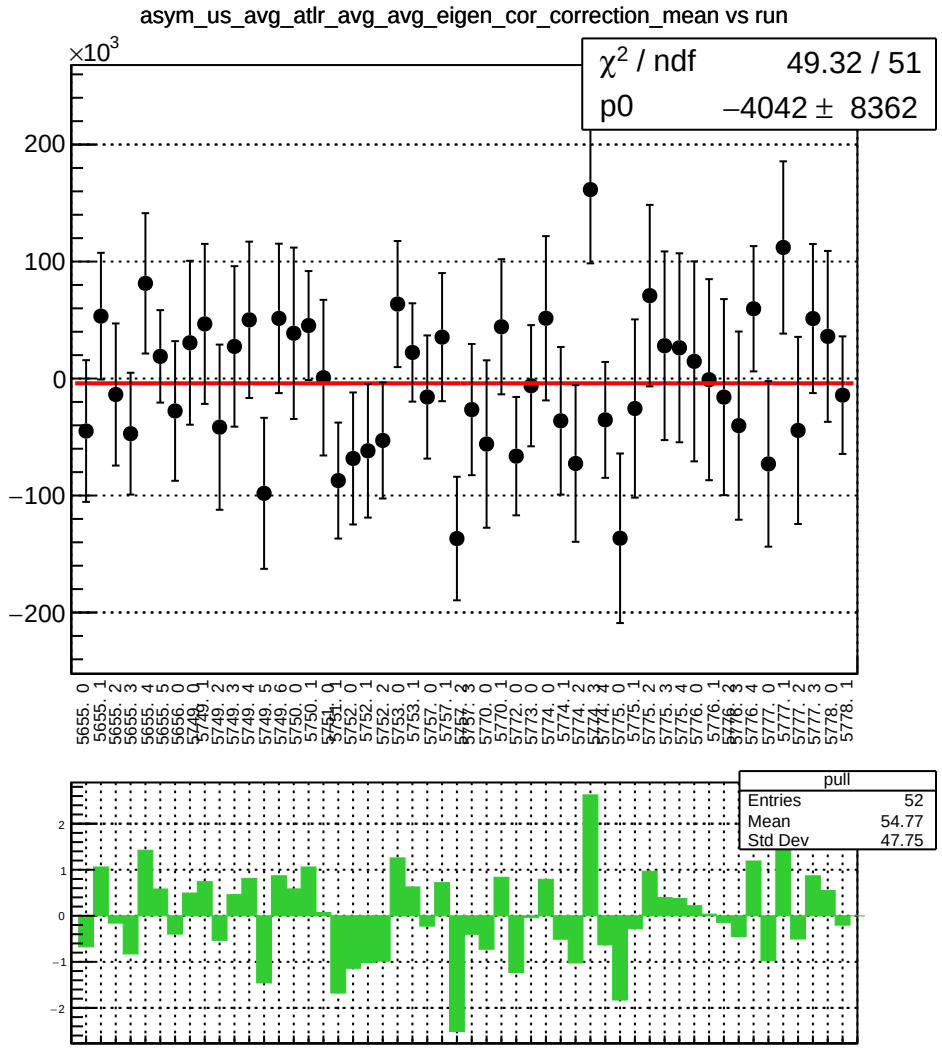
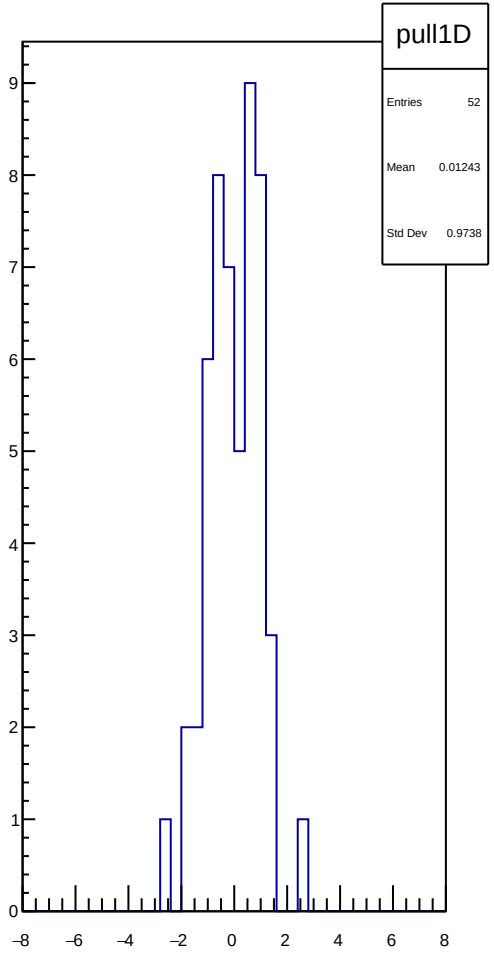
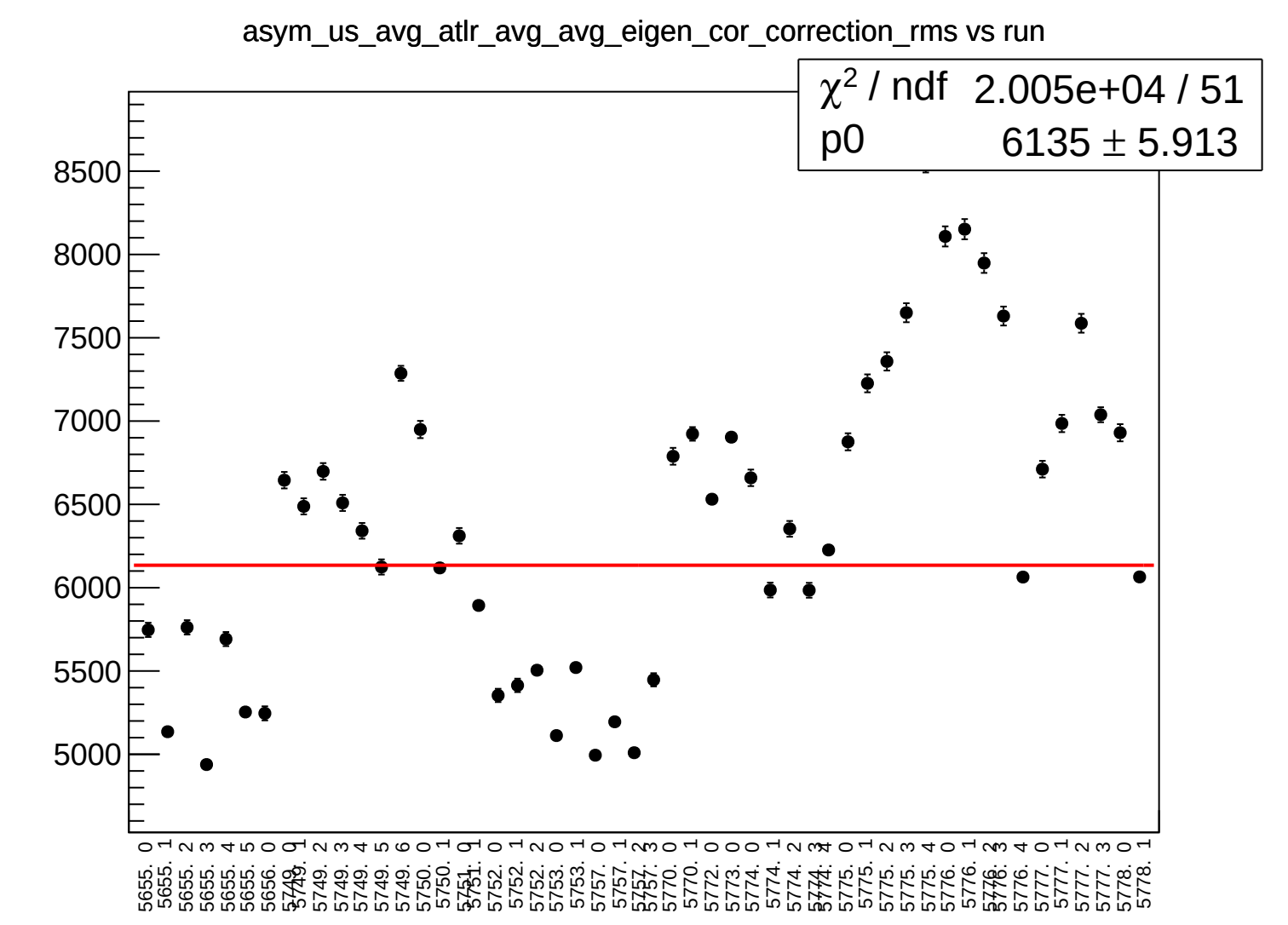
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 49.32 / 51
p0 −4042 ± 8362
200
100
0
−100
−200
pull
Entries 52
Mean 54.77
Std Dev 47.75
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01243
Std Dev 0.9738
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.005e+04 / 51
p0 6135 ± 5.913
8500
8000
7500
7000
6500
6000
5500
5000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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5776. 3
5776. 4
5777. 0
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5777. 2
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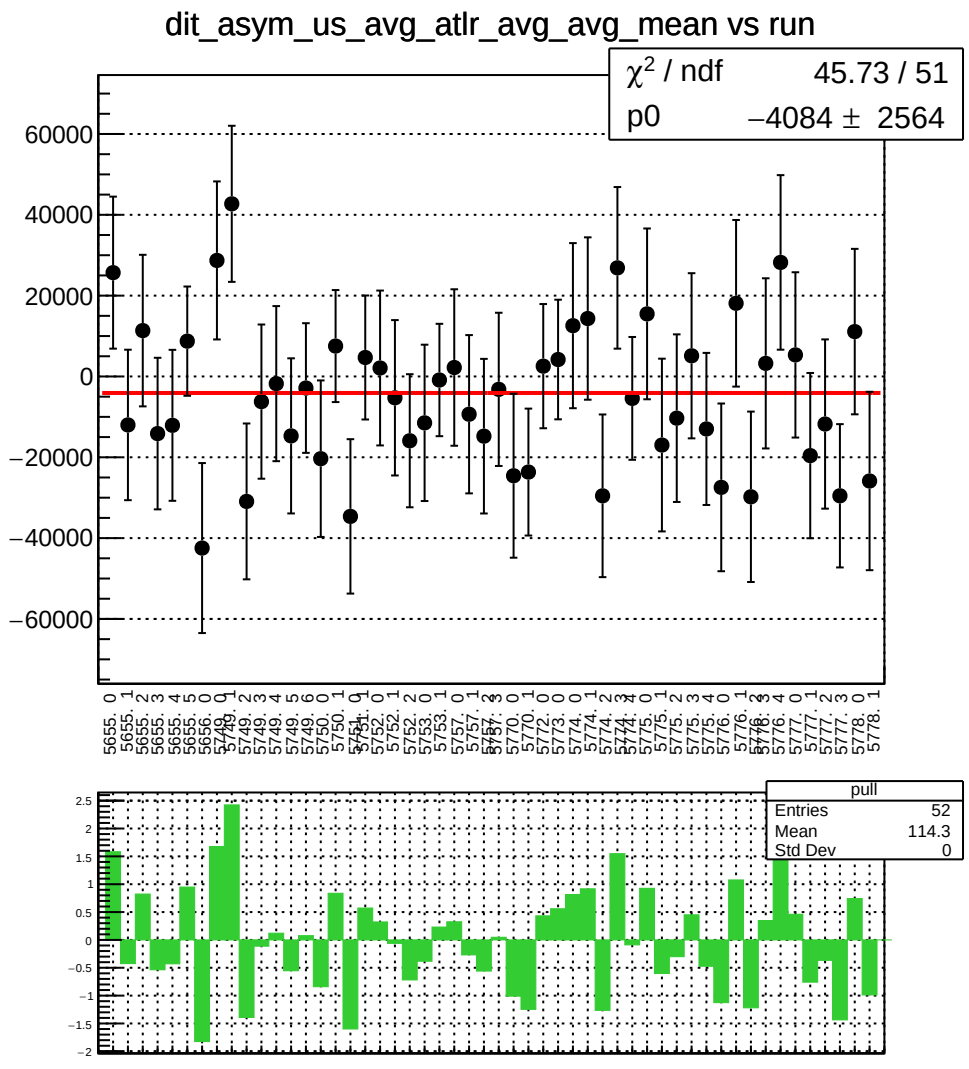
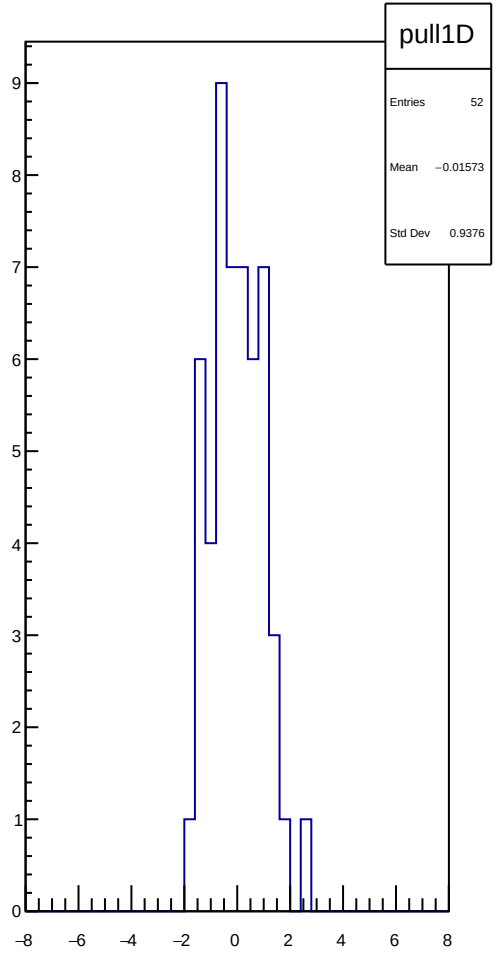
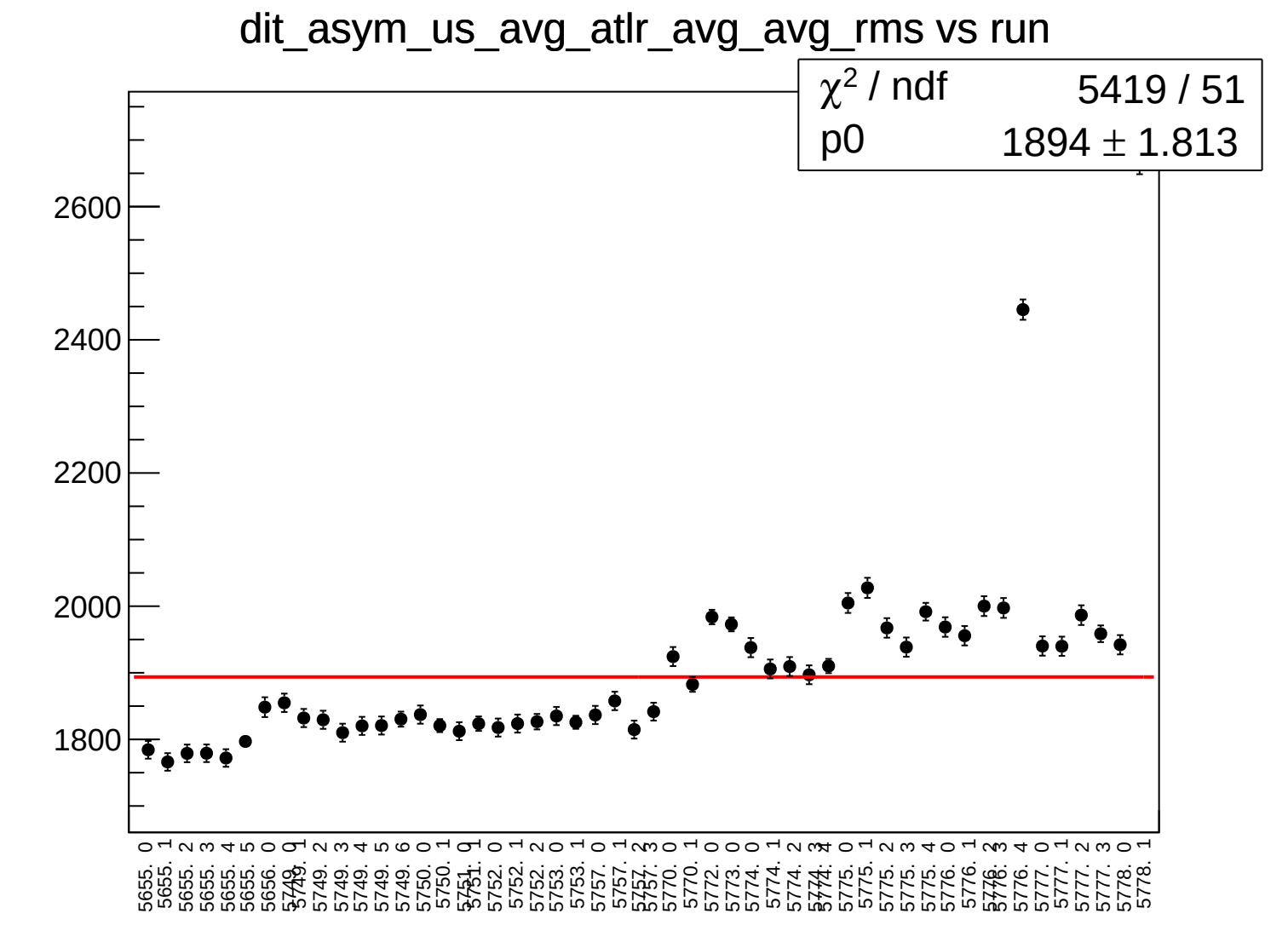
5778. 1


dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 45.73 / 51
p0 −4084 ± 2564
pull
Entries 52
Mean 114.3
Std Dev 0


pull1D
Entries 52
Mean −0.01573
Std Dev 0.9376


dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 5419 / 51
p0 1894 ± 1.813
2600
2400
2200
2000
1800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5777. 2
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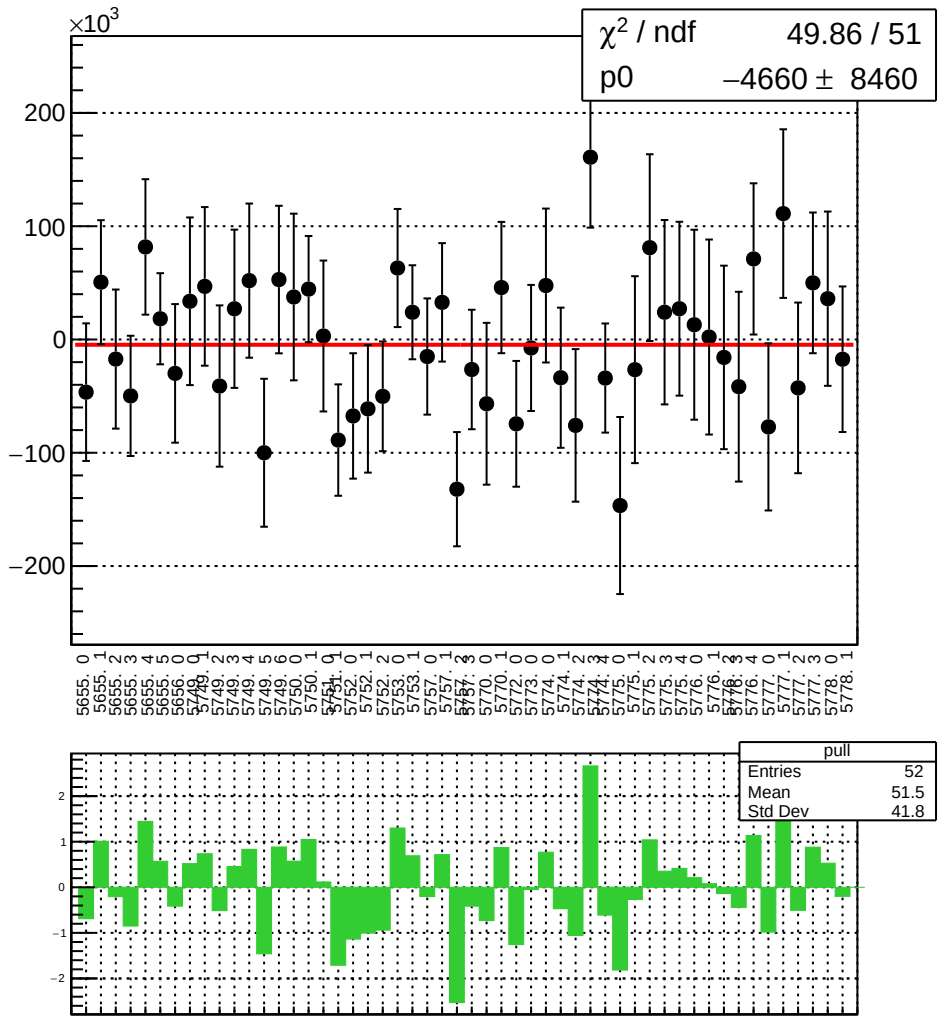
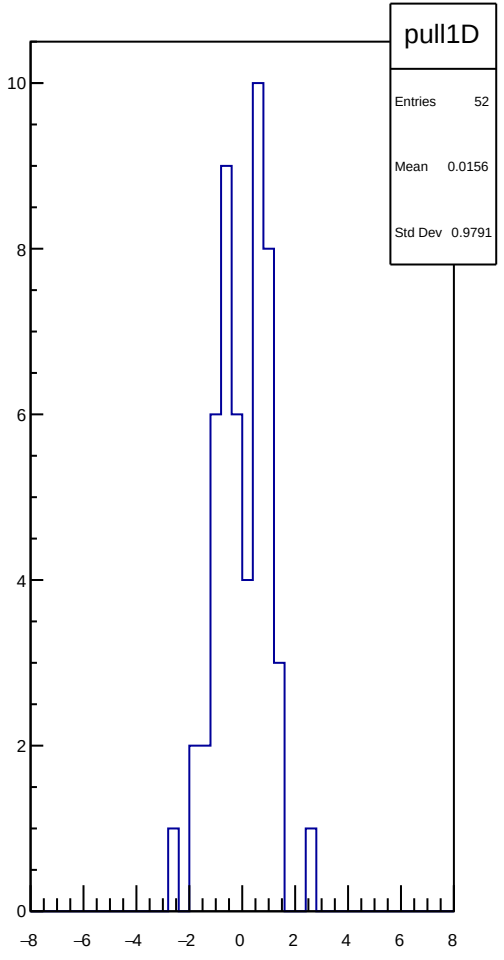
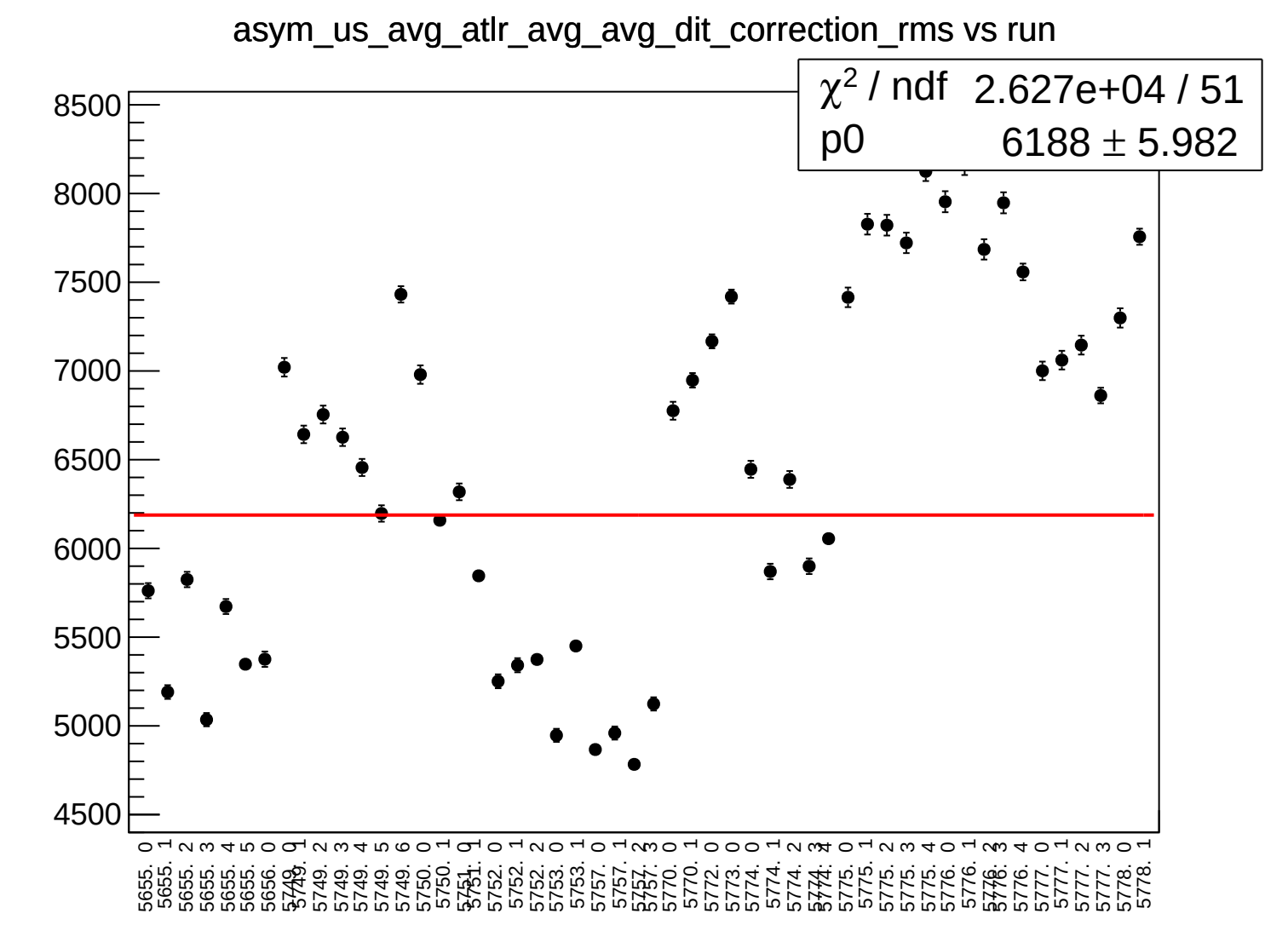
5778. 1


asym_us_avg_atlr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 49.86 / 51
p0 −4660 ± 8460
pull
Entries 52
Mean 51.5
Std Dev 41.8


pull1D
Entries 52
Mean 0.0156
Std Dev 0.9791


asym_us_avg_atlr_avg_avg_dit_correction_rms vs run
χ² / ndf 2.627e+04 / 51
p0 6188 ± 5.982
8500
8000
7500
7000
6500
6000
5500
5000
4500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
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5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
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5775. 2
5775. 3
5775. 4
5776. 0
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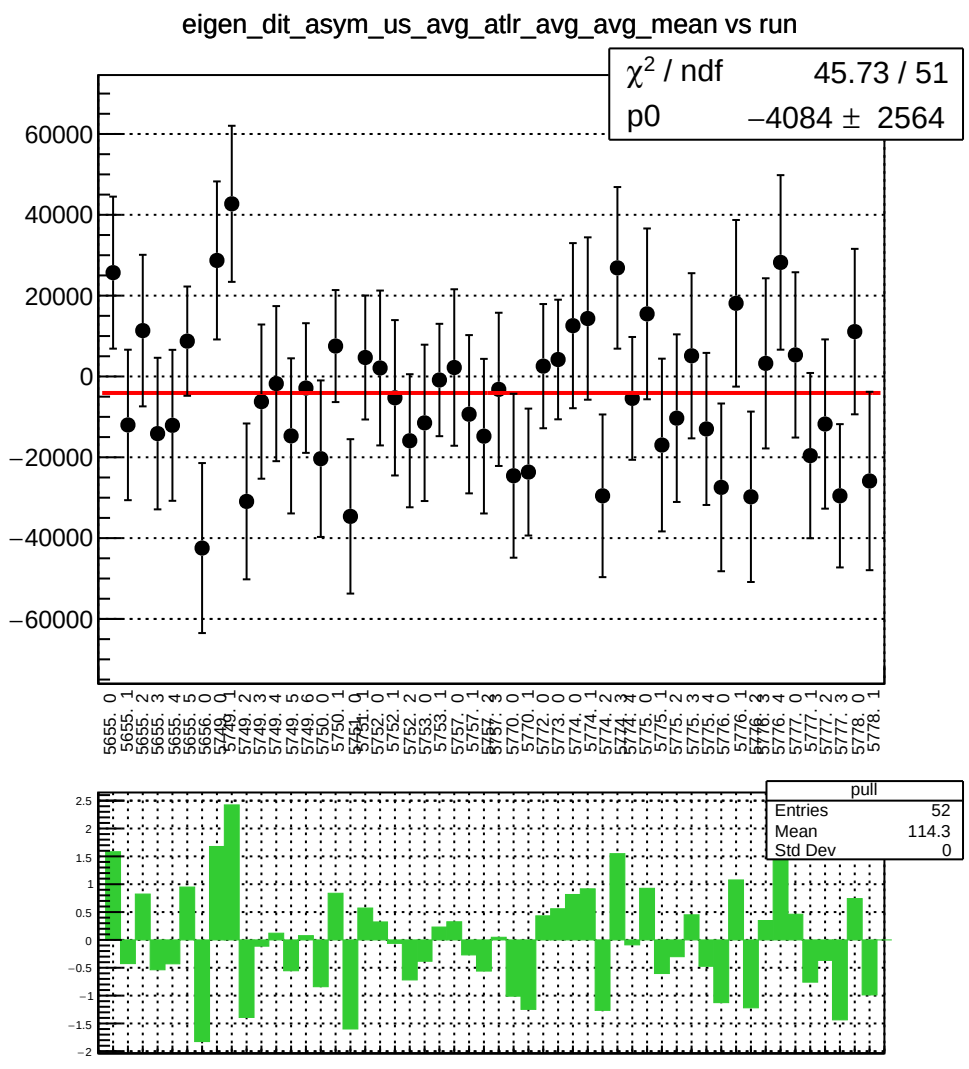
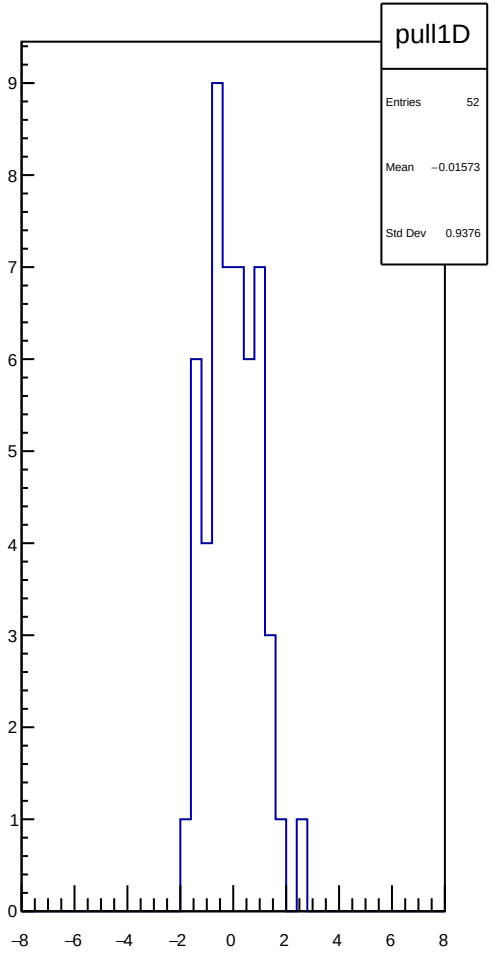
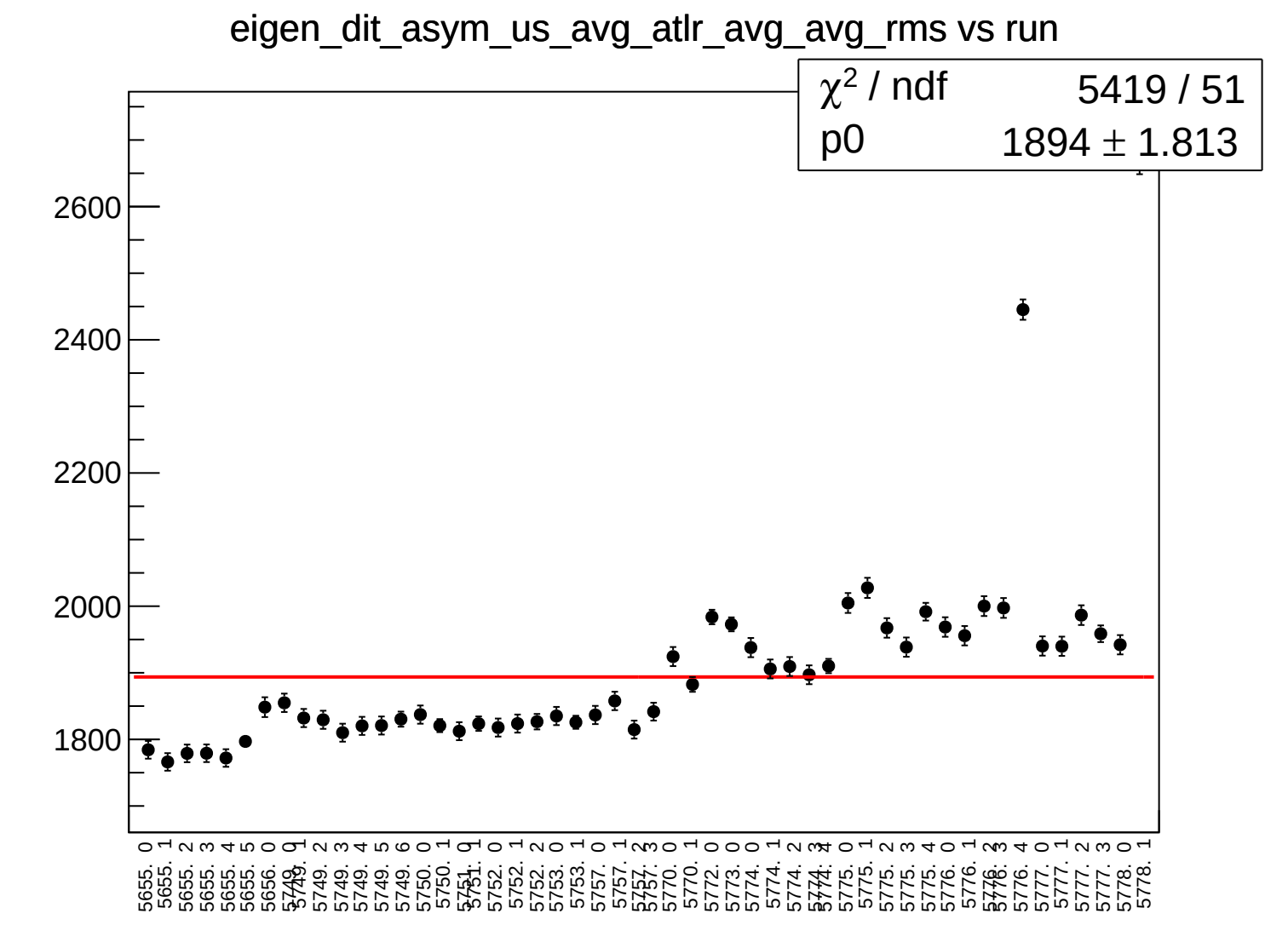
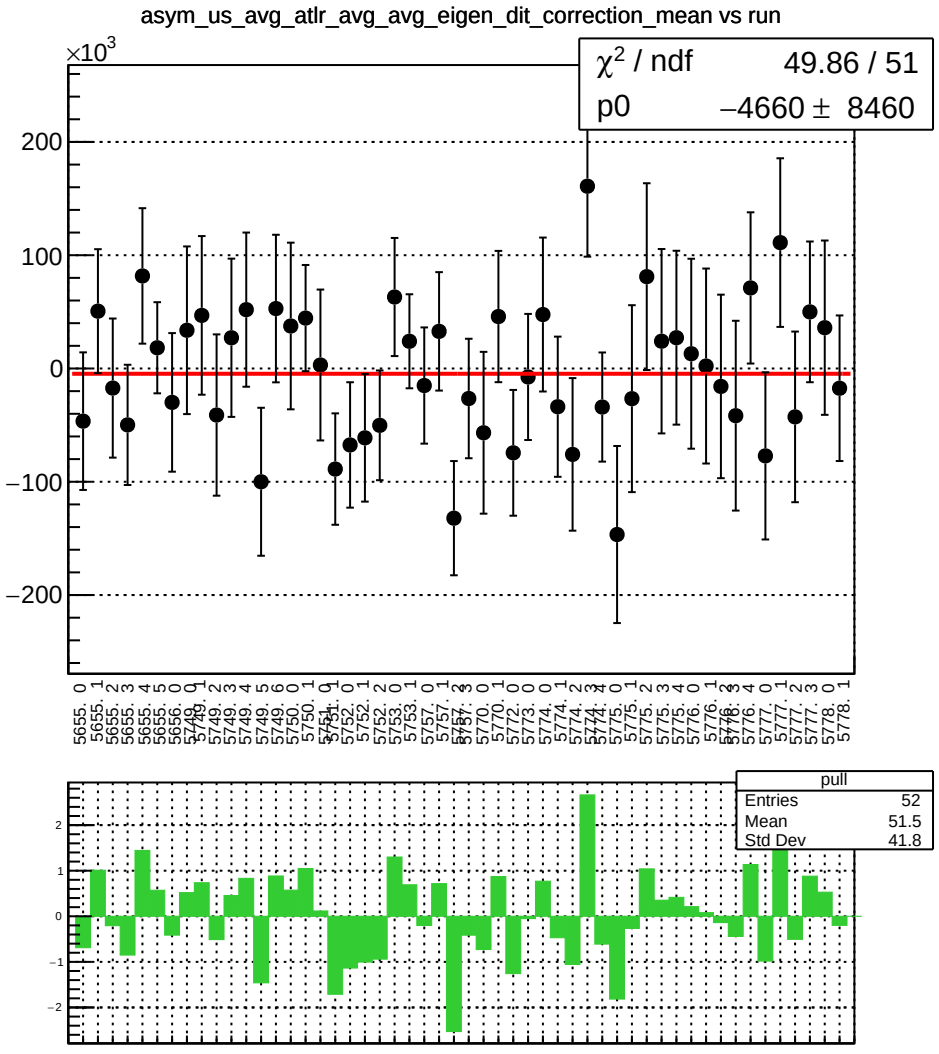
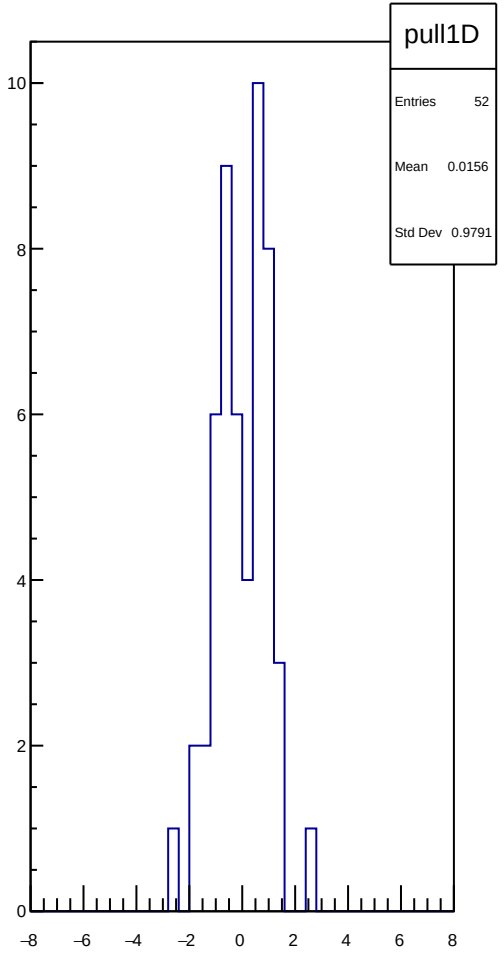
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

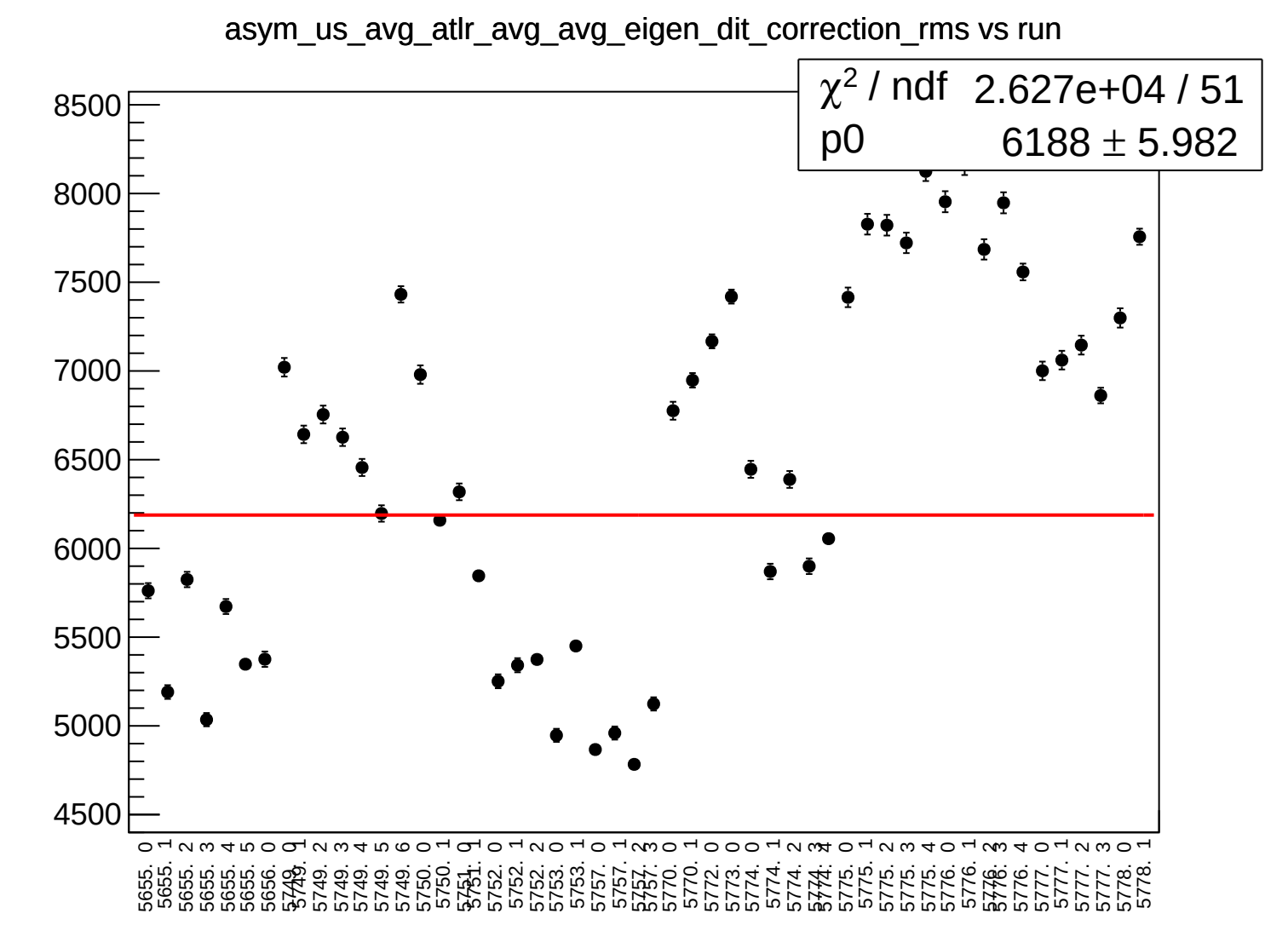

eigen_dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 45.73 / 51
p0 −4084 ± 2564
pull
Entries 52
Mean 114.3
Std Dev 0

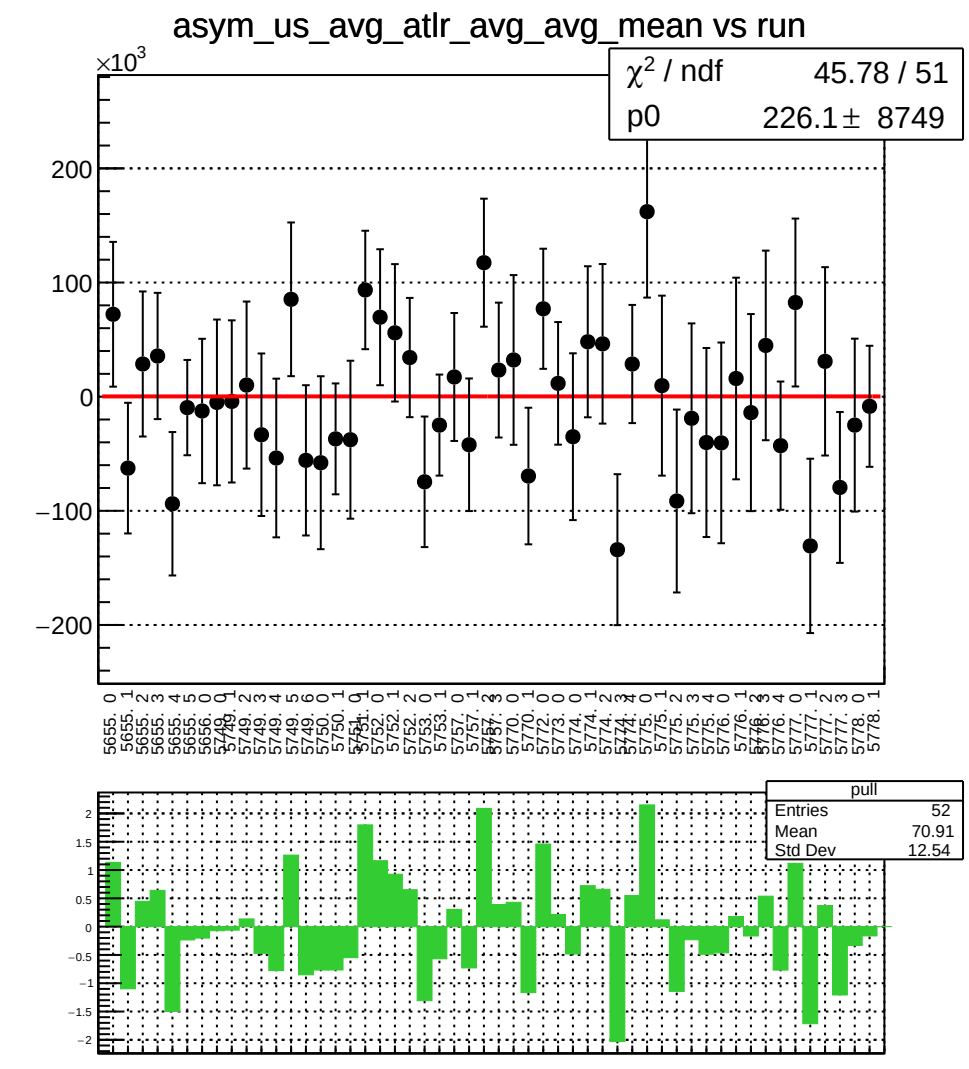

pull1D
Entries 52
Mean −0.01573
Std Dev 0.9376

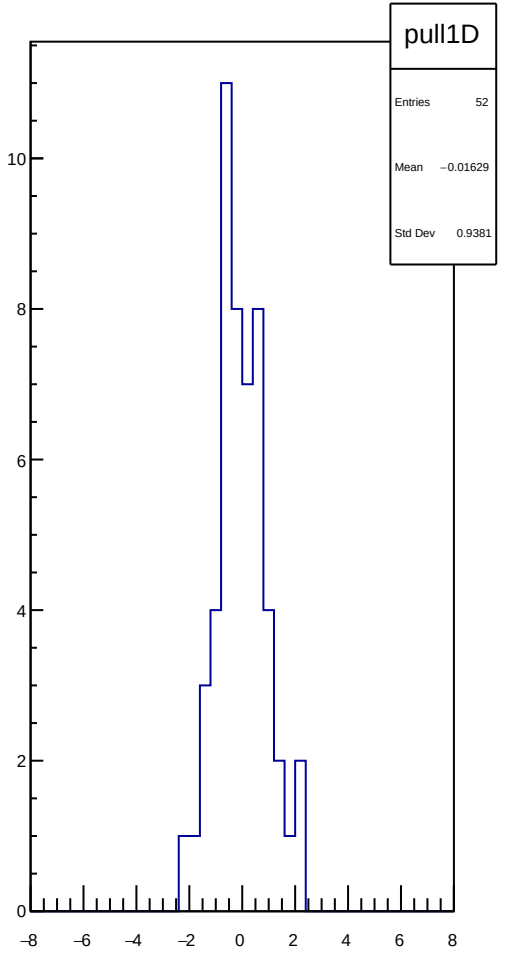

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 5419 / 51
p0 1894 ± 1.813
2600
2400
2200
2000
1800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

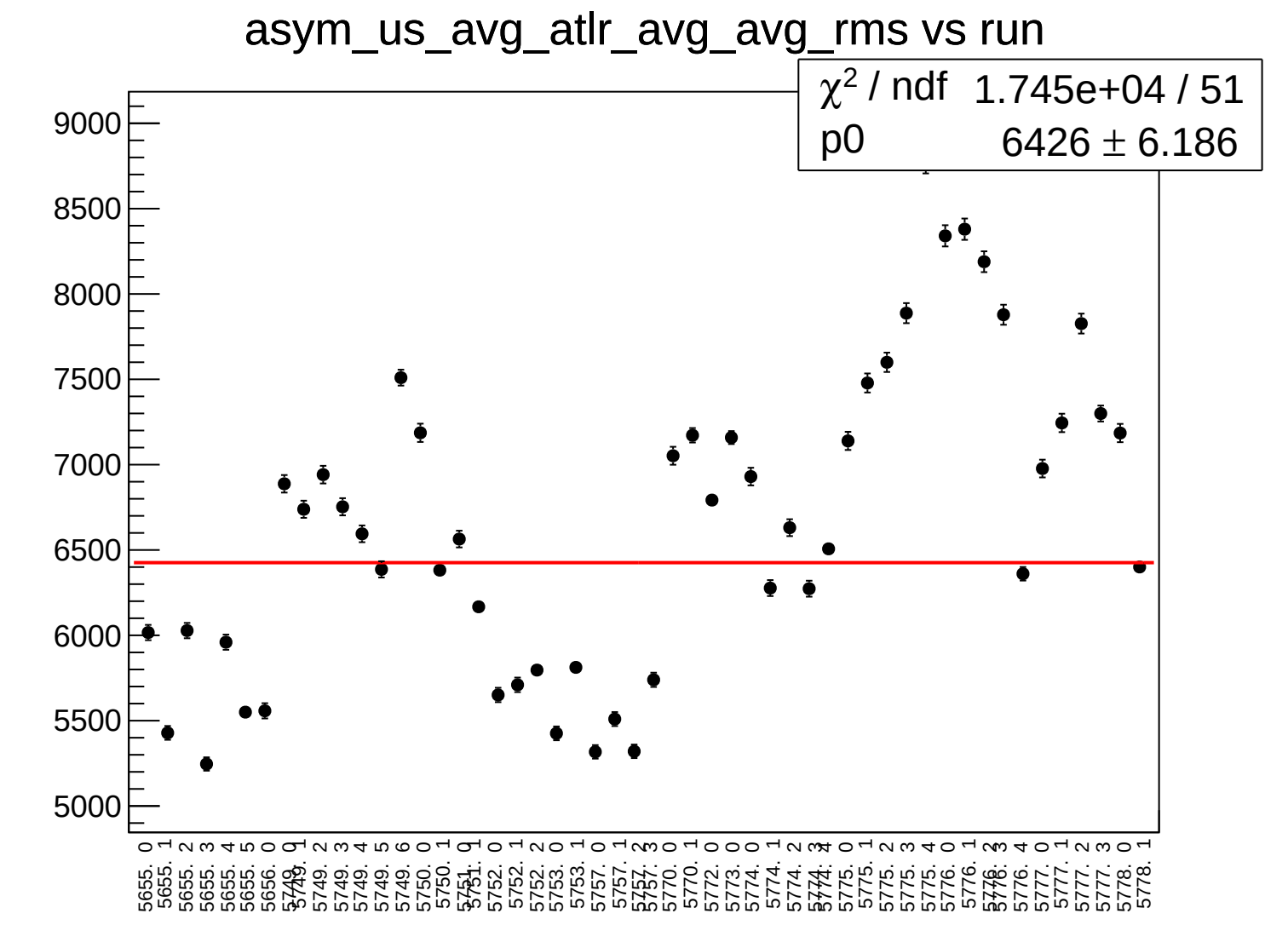

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 49.86 / 51
p0 −4660 ± 8460
200
100
0
−100
−200
pull
Entries 52
Mean 51.5
Std Dev 41.8
2
1
0
−1
−2

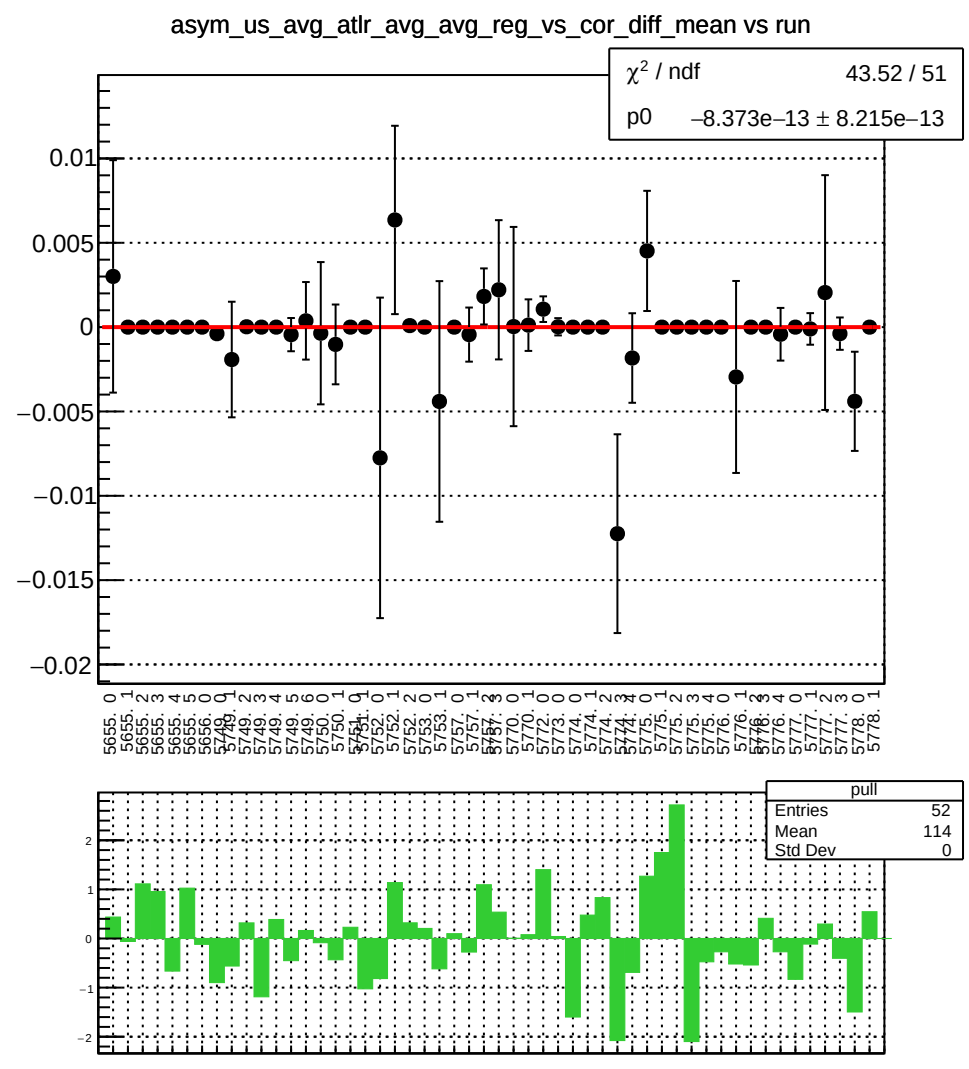

pull1D
Entries 52
Mean 0.0156
Std Dev 0.9791
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

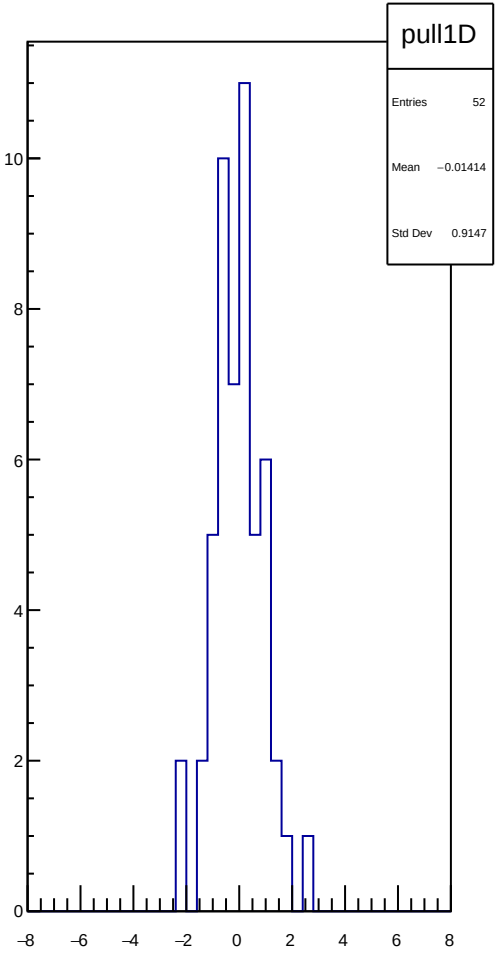

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.627e+04 / 51
p0 6188 ± 5.982
8500
8000
7500
7000
6500
6000
5500
5000
4500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

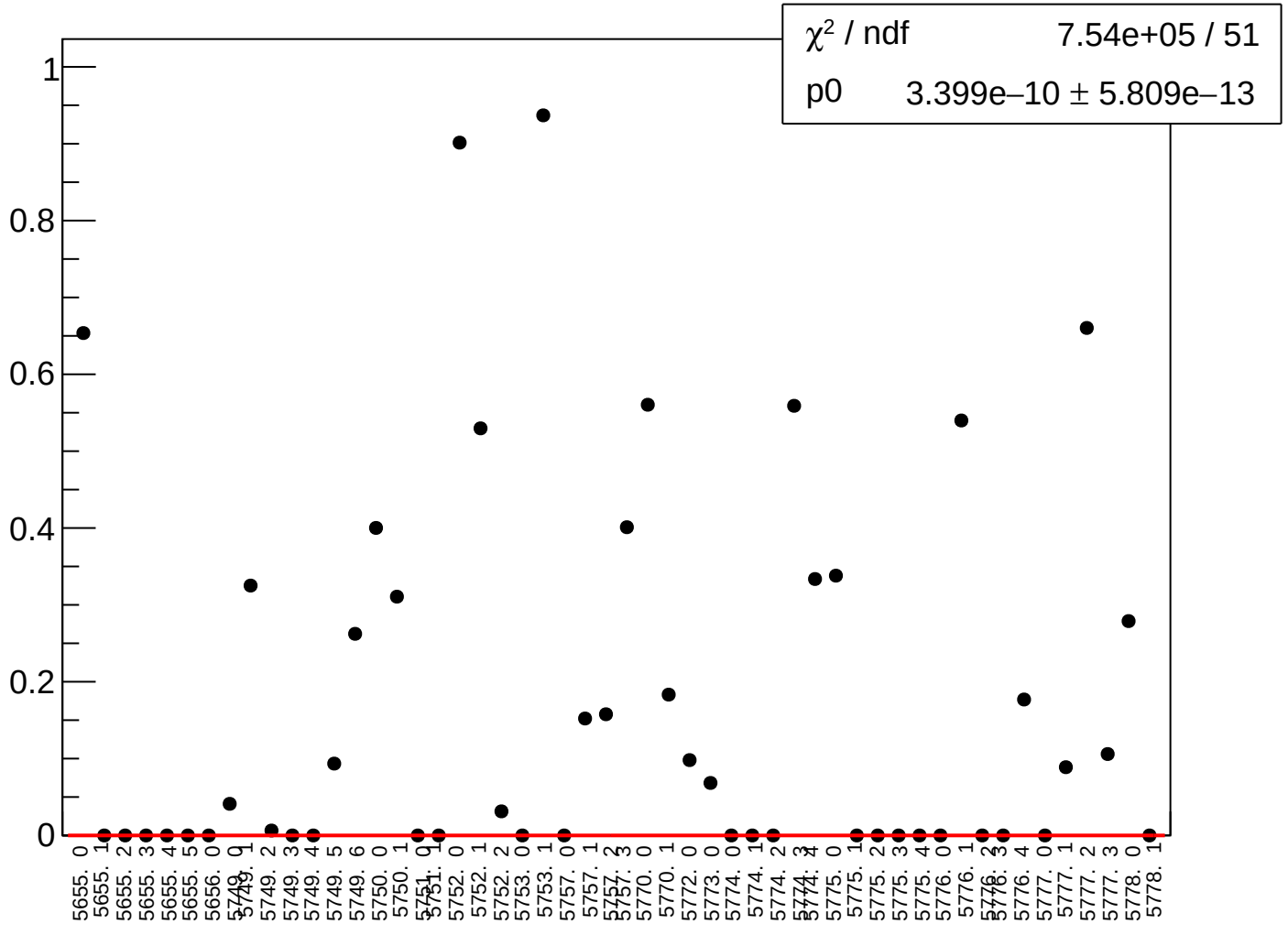

asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ^2 / ndf 45.78 / 51
p0 226.1 ± 8749
200
100
0
−100
−200
pull
Entries 52
Mean 70.91
Std Dev 12.54
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

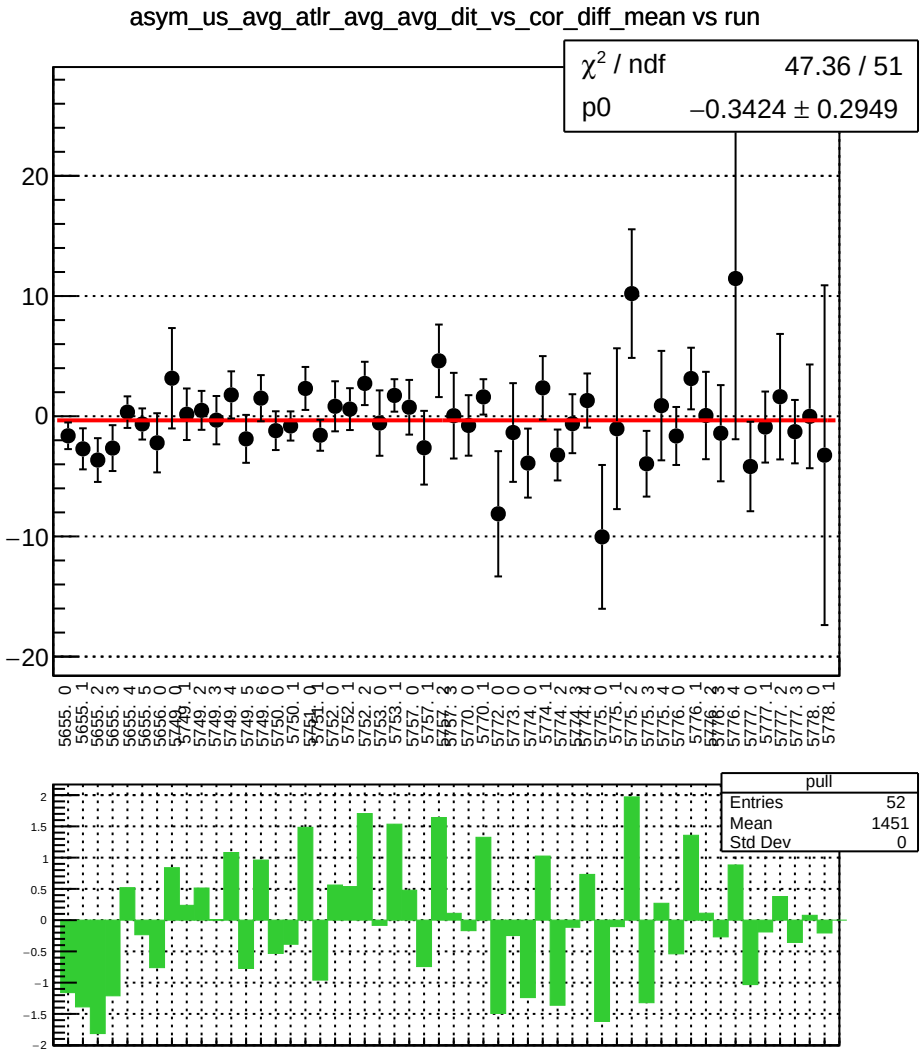

pull1D
Entries 52
Mean −0.01629
Std Dev 0.9381
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

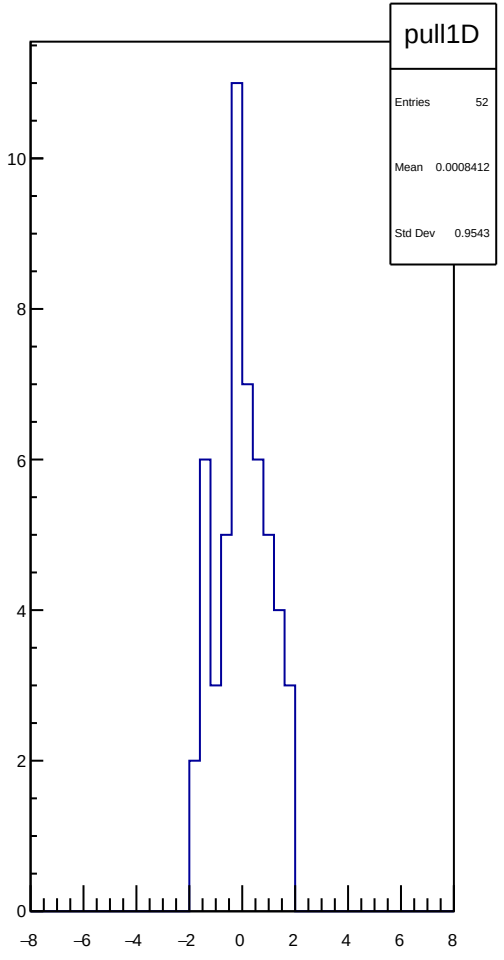

asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 1.745e+04 / 51
p0 6426 ± 6.186
9000
8500
8000
7500
7000
6500
6000
5500
5000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

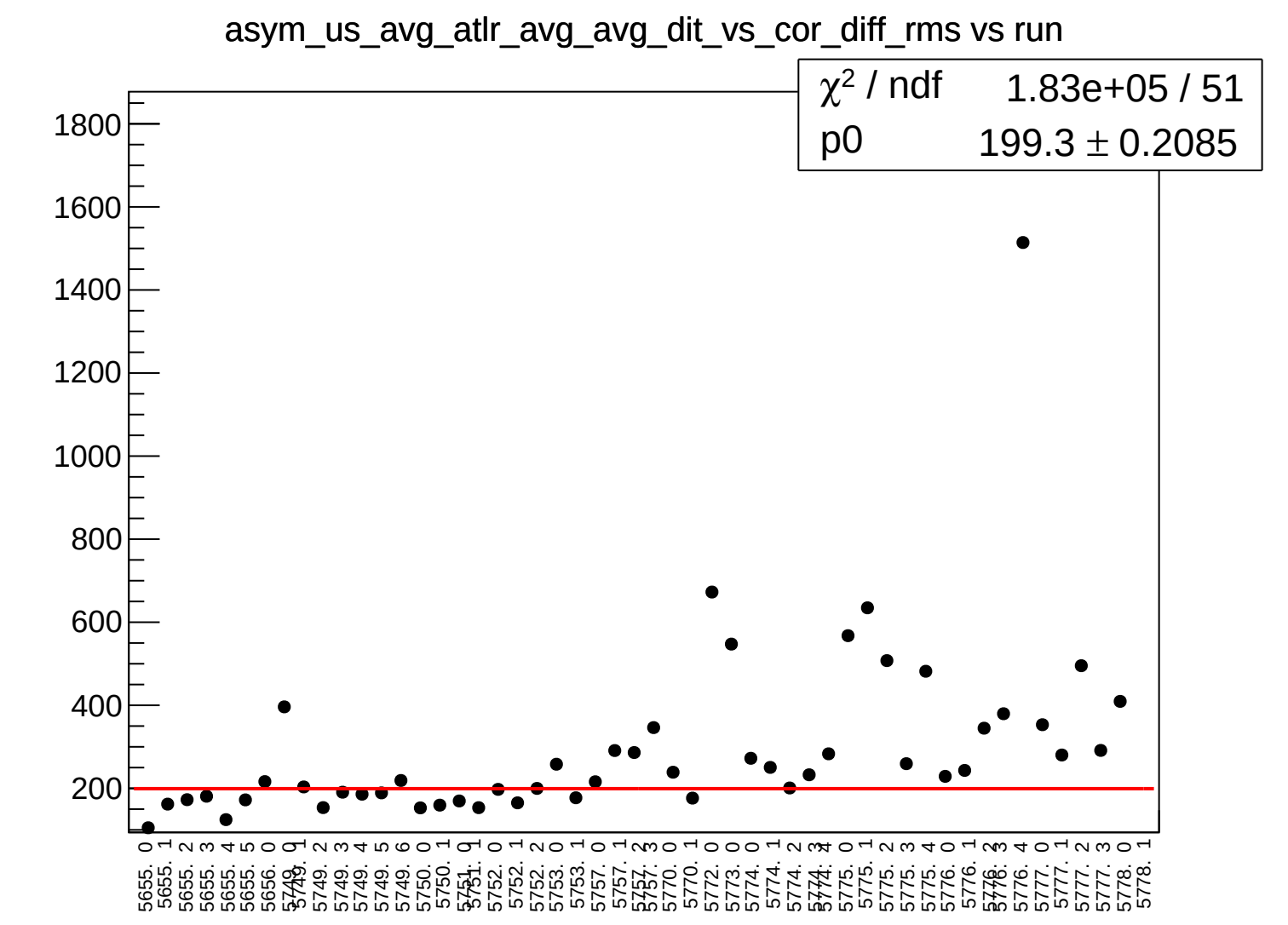

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 43.52 / 51
p0 −8.373e−13 ± 8.215e−13
pull
Entries 52
Mean 114
Std Dev 0

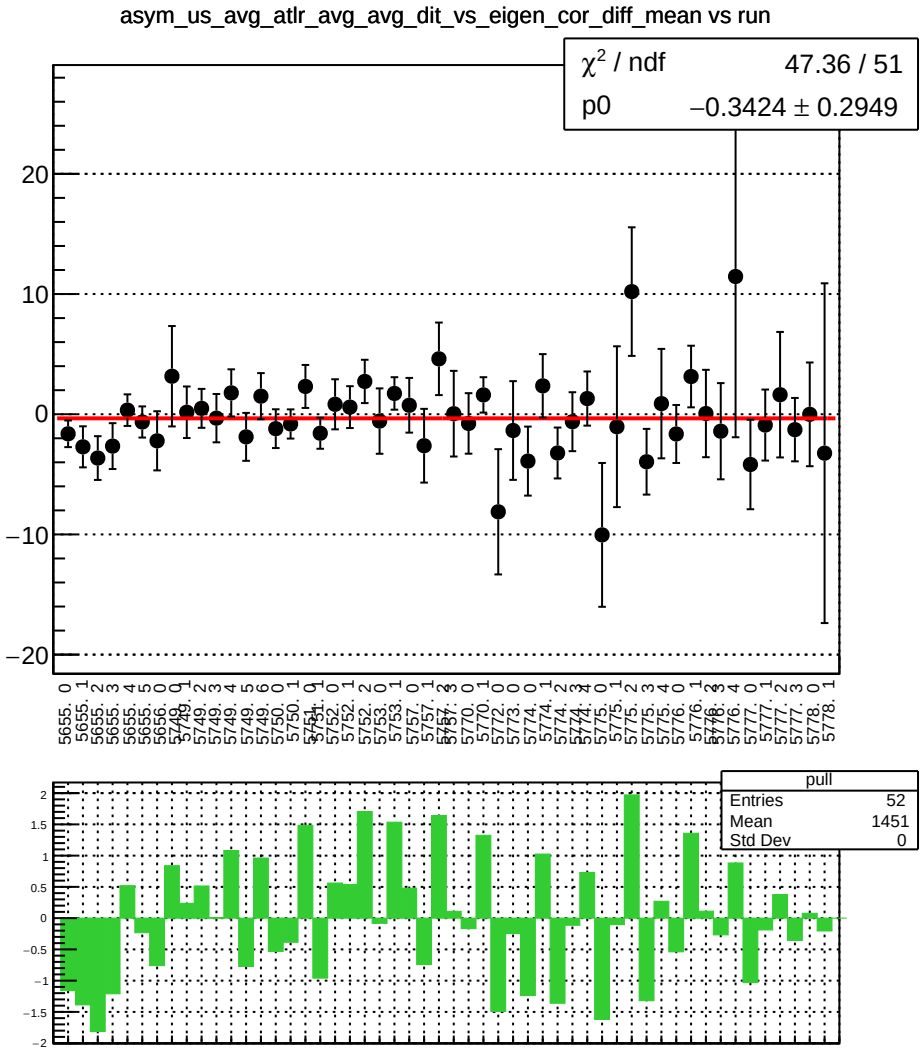

pull1D
Entries 52
Mean −0.01414
Std Dev 0.9147

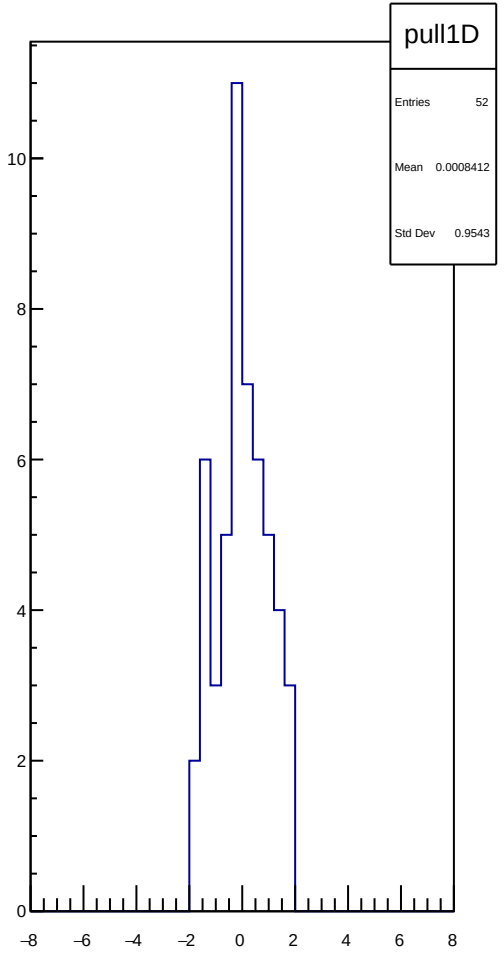

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.54e+05 / 51
p0 3.399e−10 ± 5.809e−13
1
0.8
0.6
0.4
0.2
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

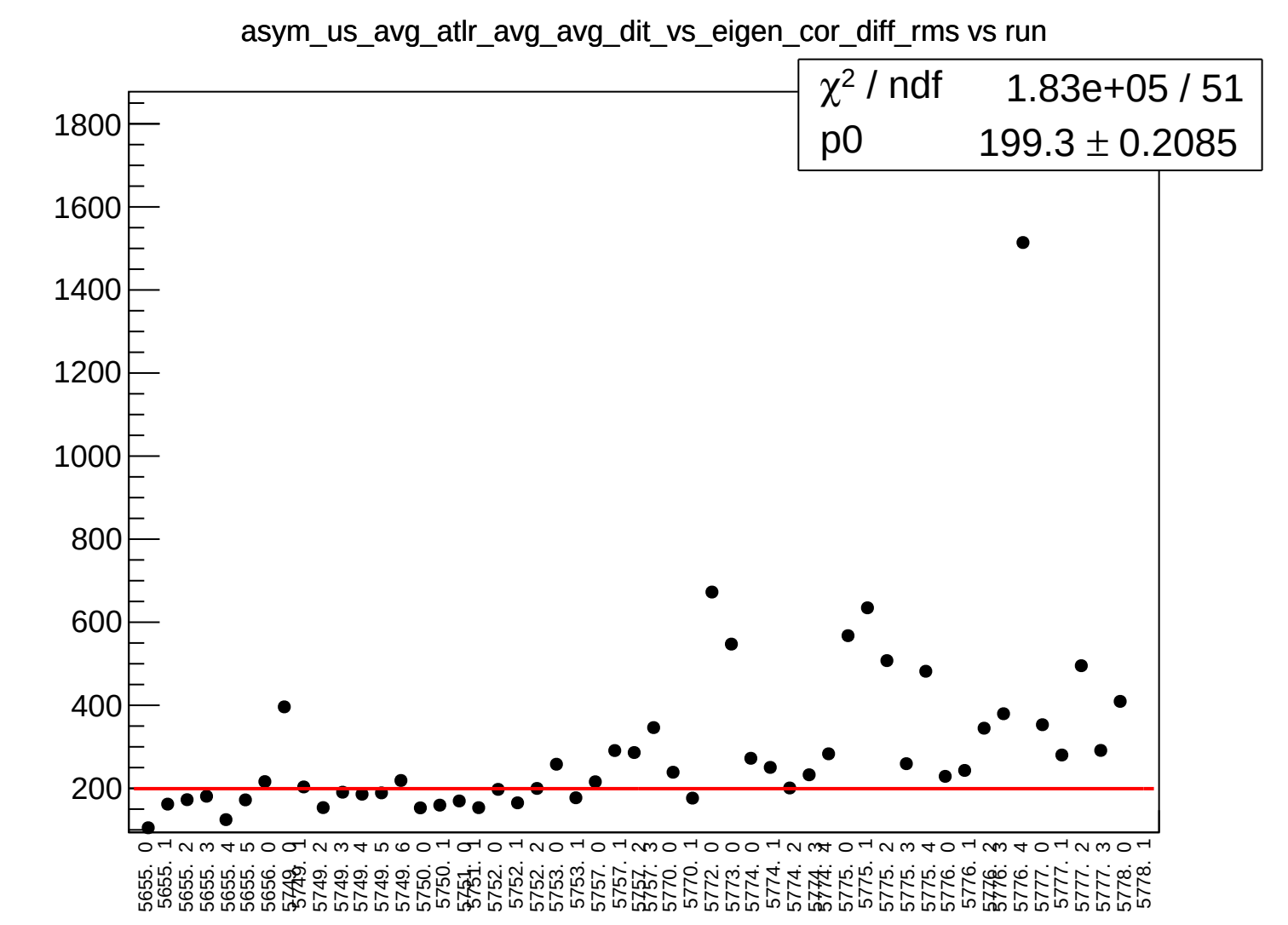

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 47.36 / 51
p0 −0.3424 ± 0.2949
pull
Entries 52
Mean 1451
Std Dev 0

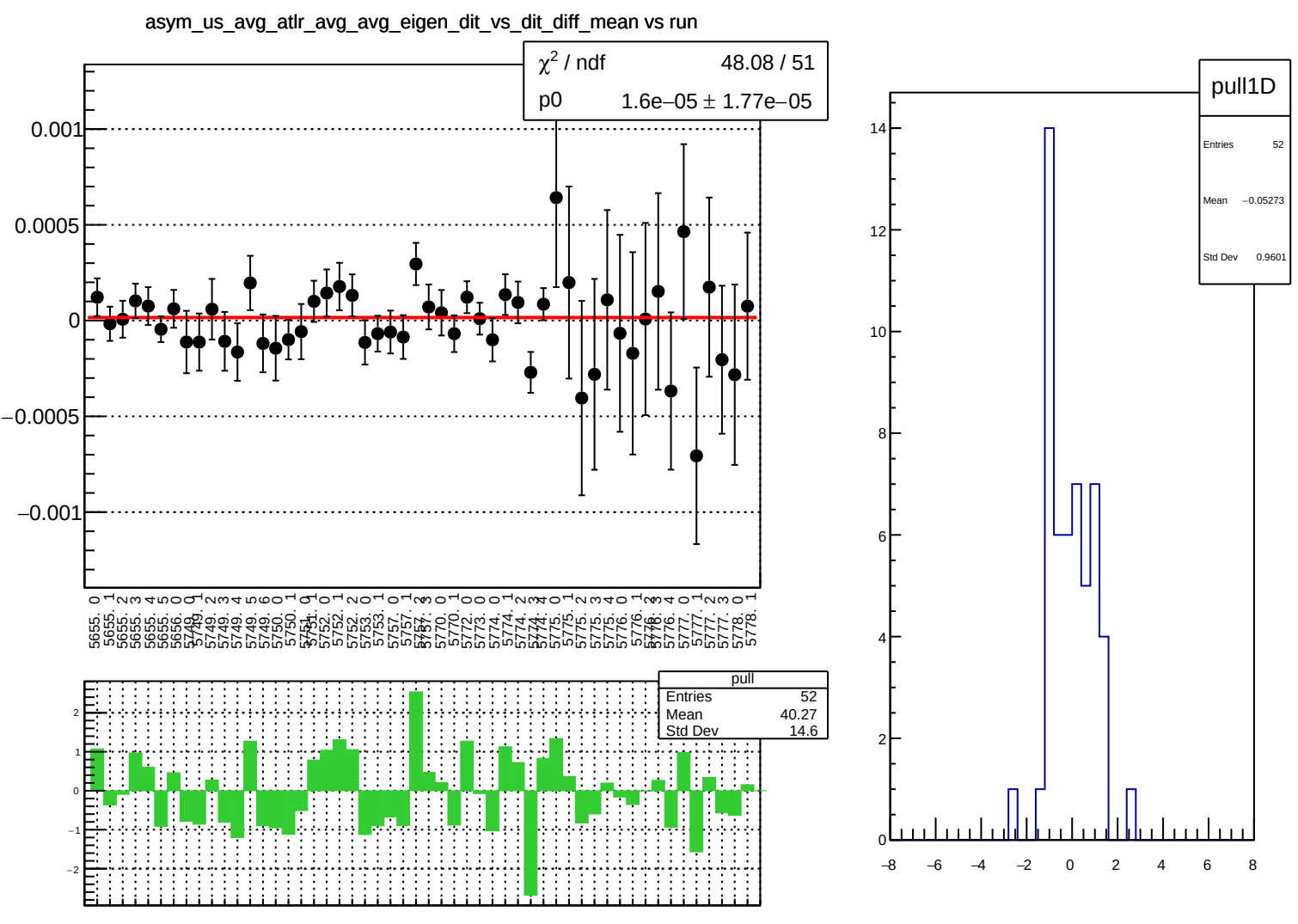

pull1D
Entries 52
Mean 0.0008412
Std Dev 0.9543

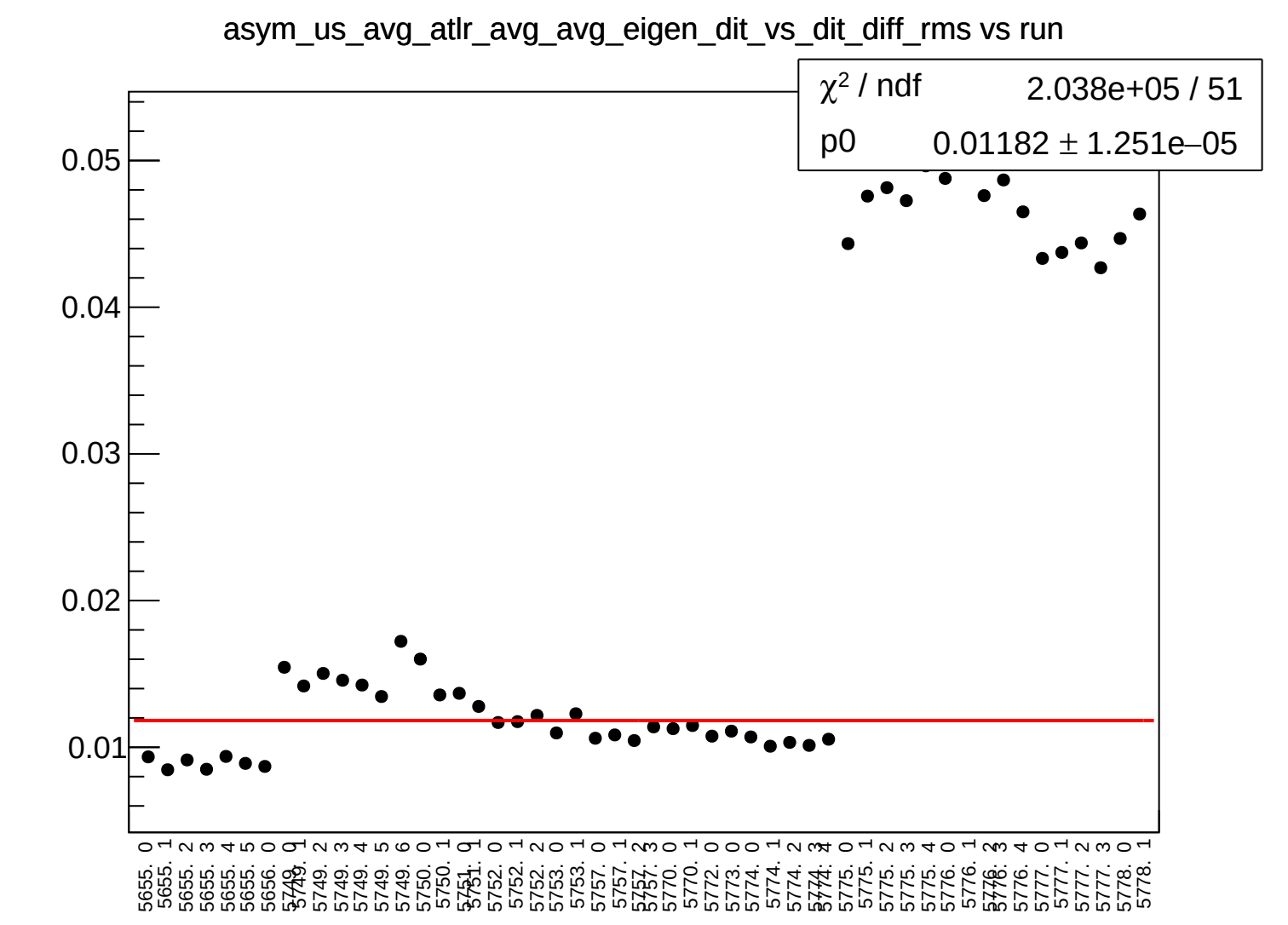

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.83e+05 / 51
p0 199.3 ± 0.2085
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

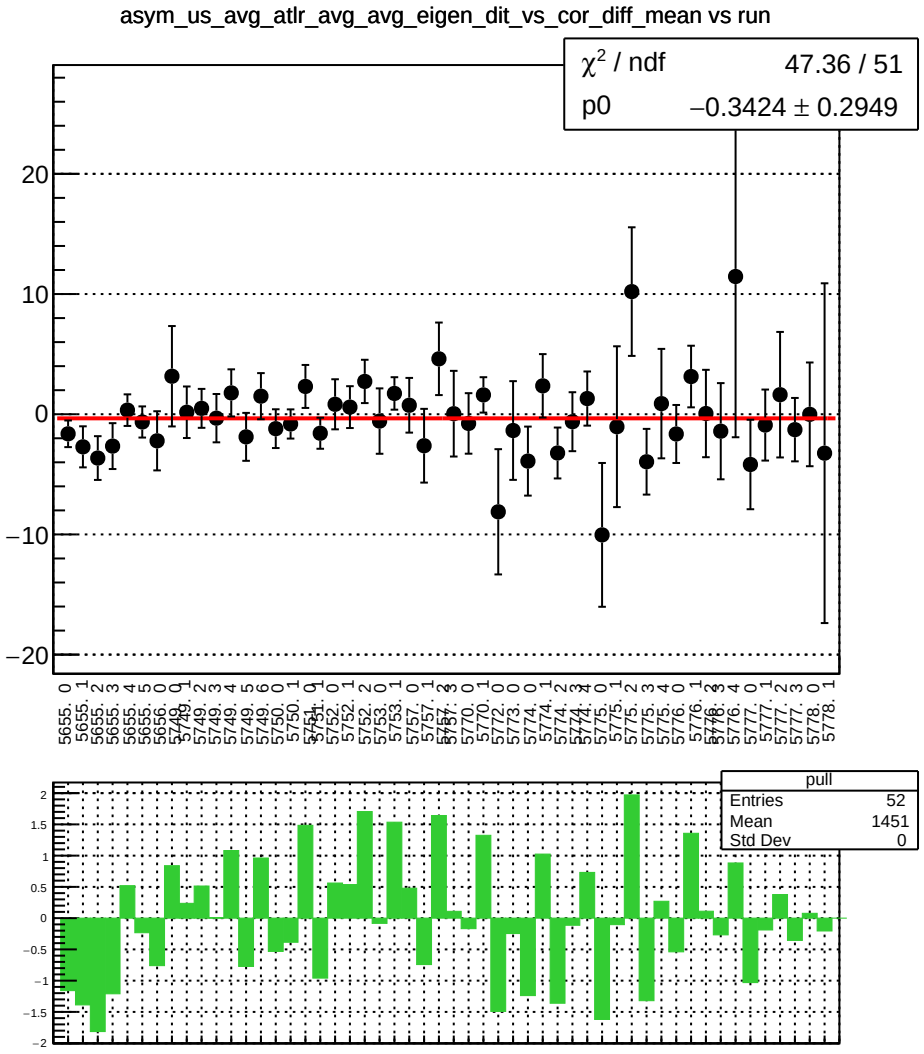

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.36 / 51
p0 −0.3424 ± 0.2949
pull
Entries 52
Mean 1451
Std Dev 0

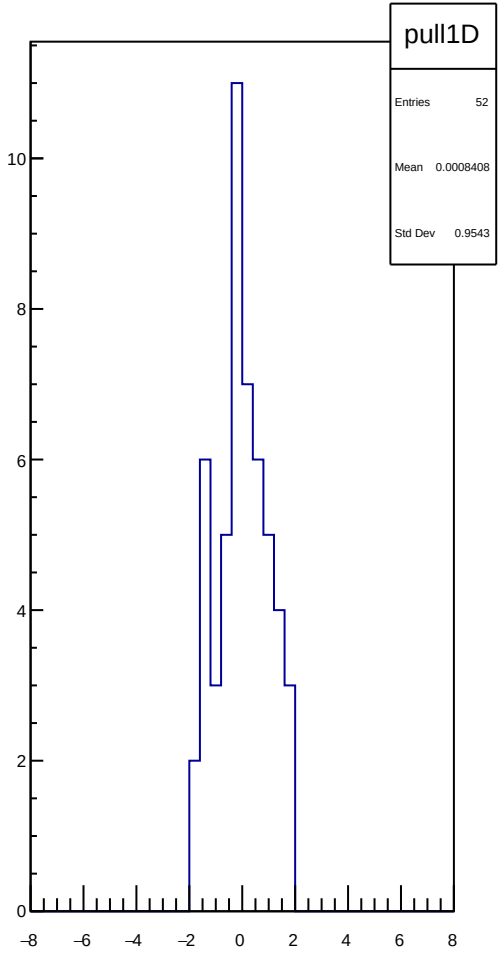

pull1D
Entries 52
Mean 0.0008412
Std Dev 0.9543

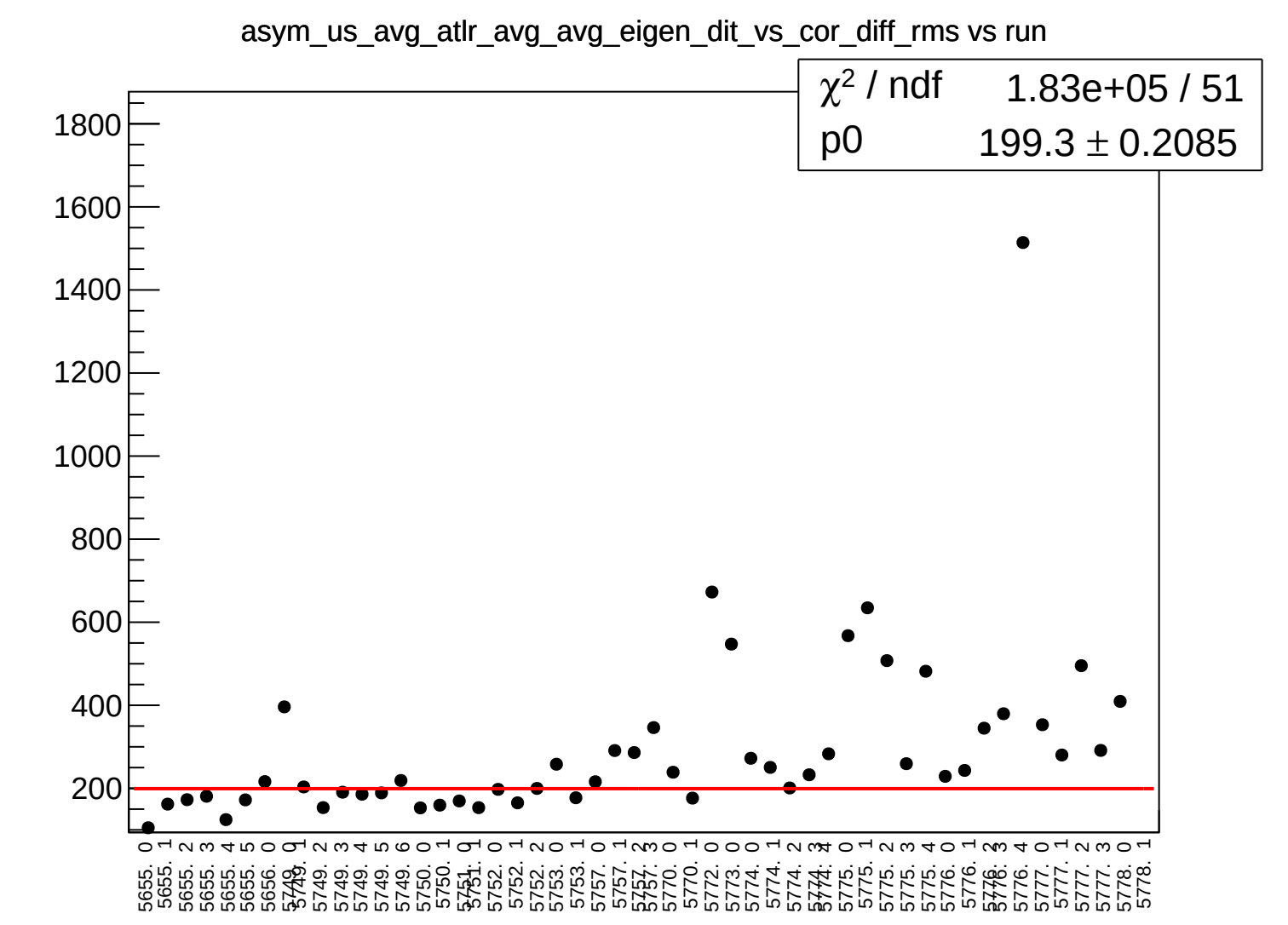

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.83e+05 / 51
p0 199.3 ± 0.2085
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

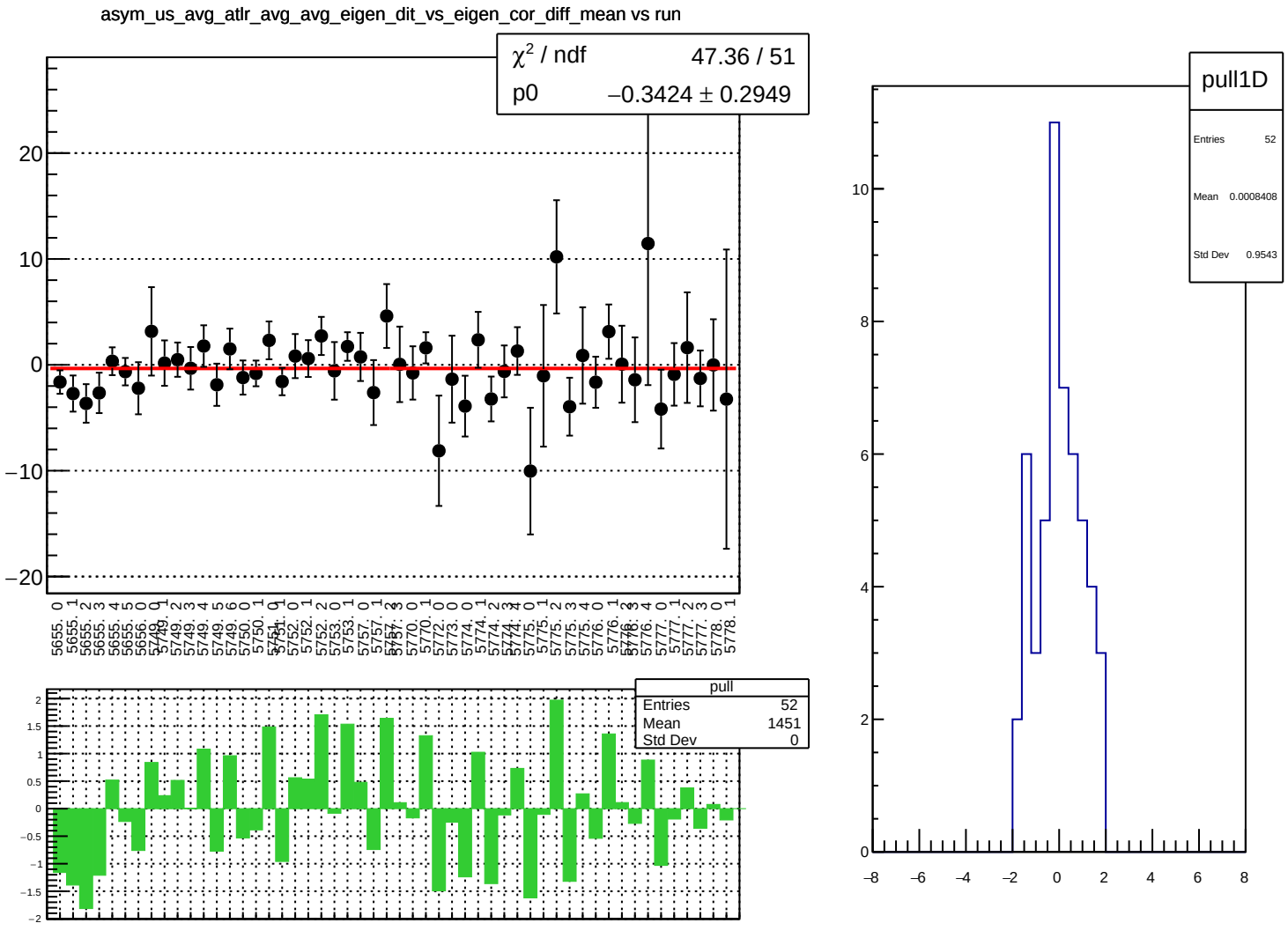

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 48.08 / 51
p0 1.6e−05 ± 1.77e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 52
Mean 40.27
Std Dev 14.6
pull1D
Entries 52
Mean −0.05273
Std Dev 0.9601

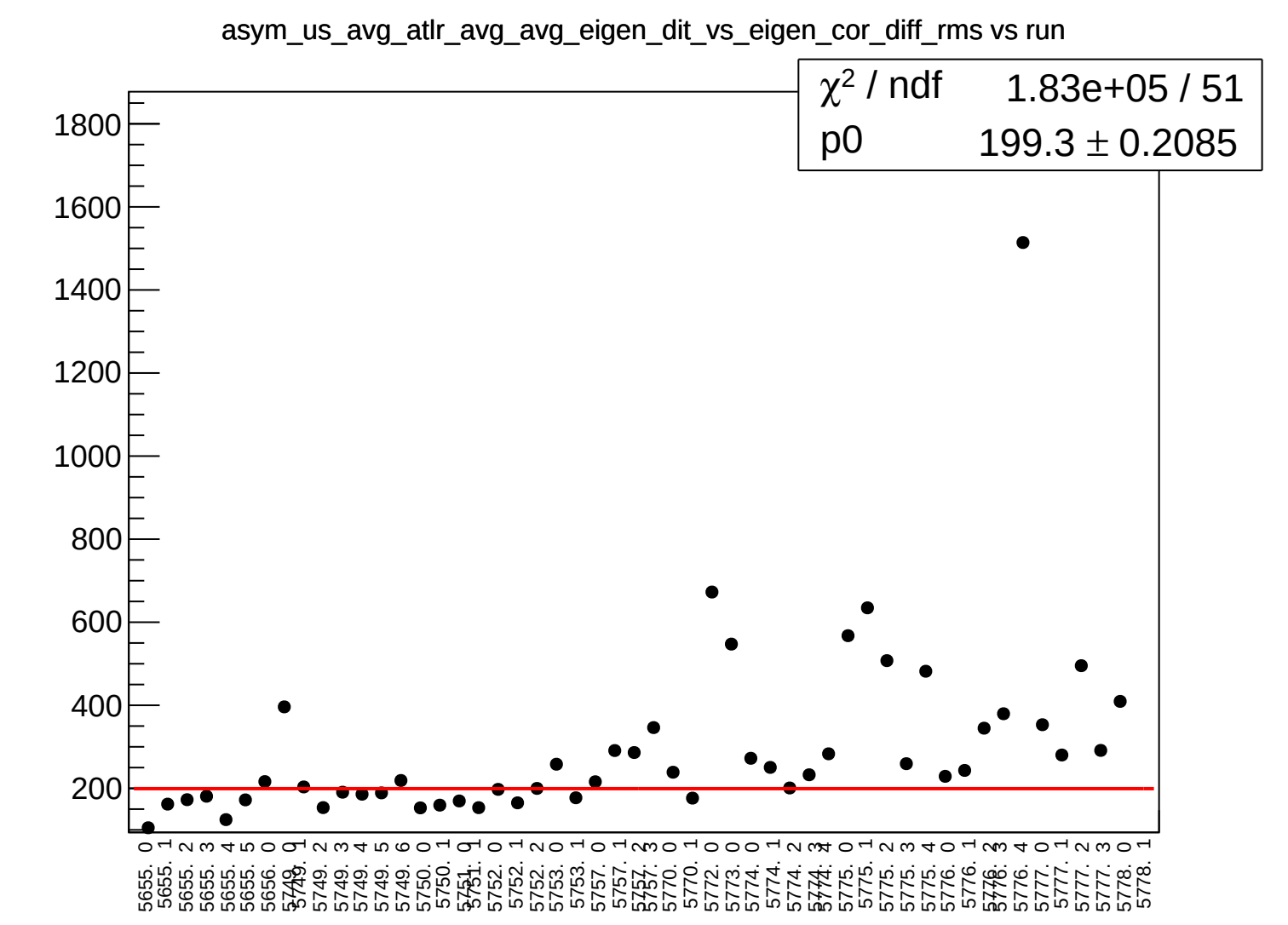

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.038e+05 / 51
p0 0.01182 ± 1.251e–05
0.05
0.04
0.03
0.02
0.01
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

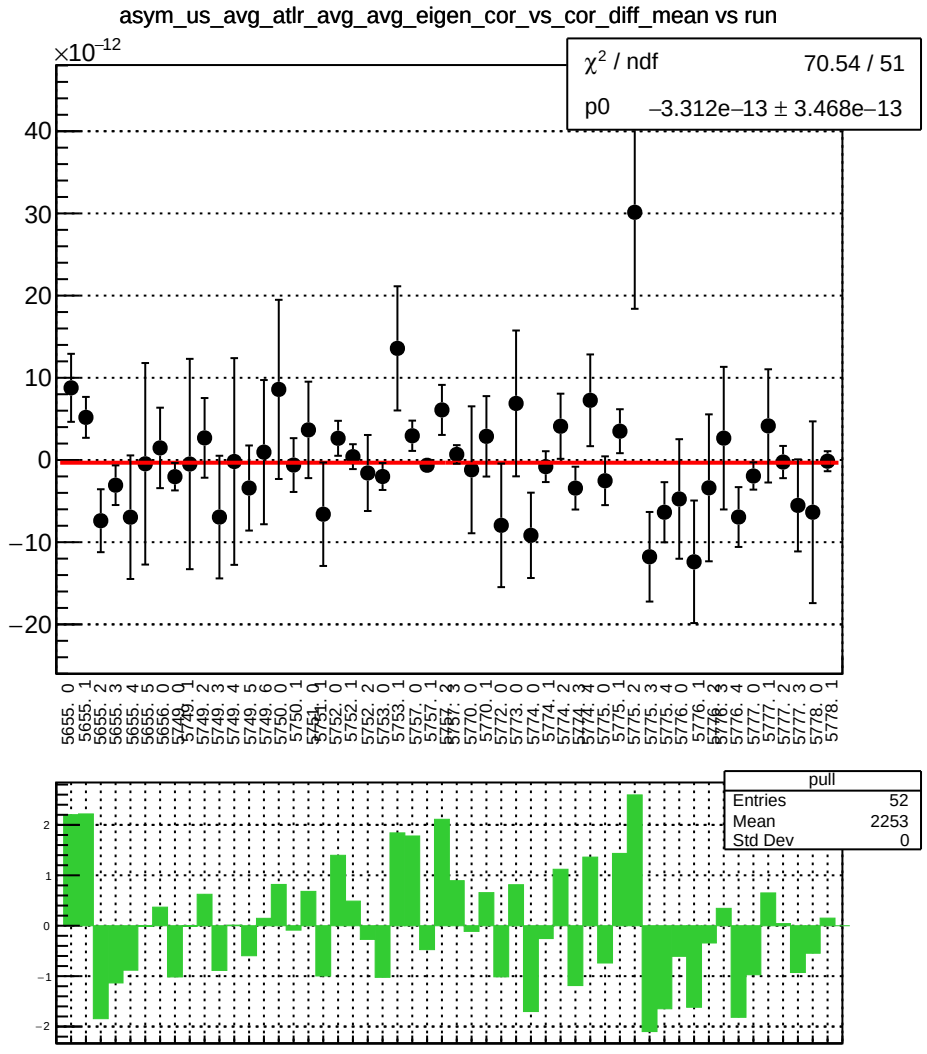

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.36 / 51
p0 −0.3424 ± 0.2949
pull
Entries 52
Mean 1451
Std Dev 0

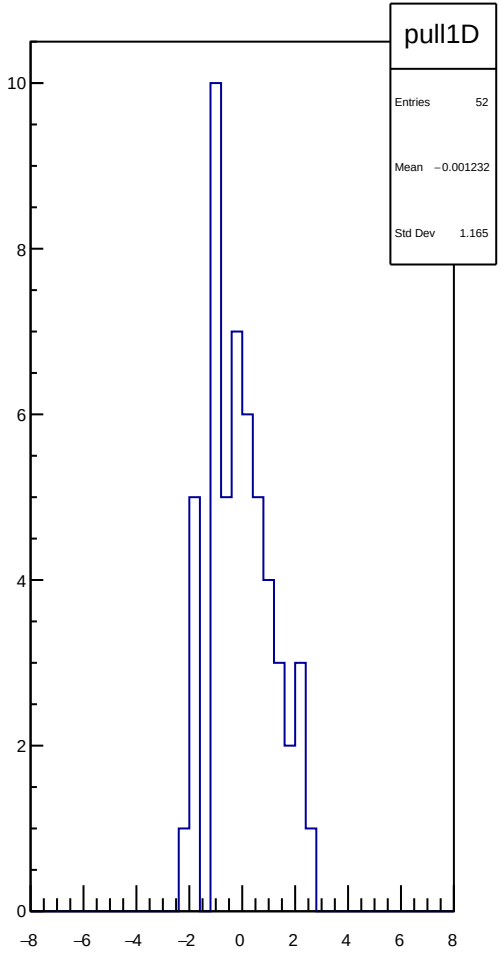

pull1D
Entries 52
Mean 0.0008408
Std Dev 0.9543

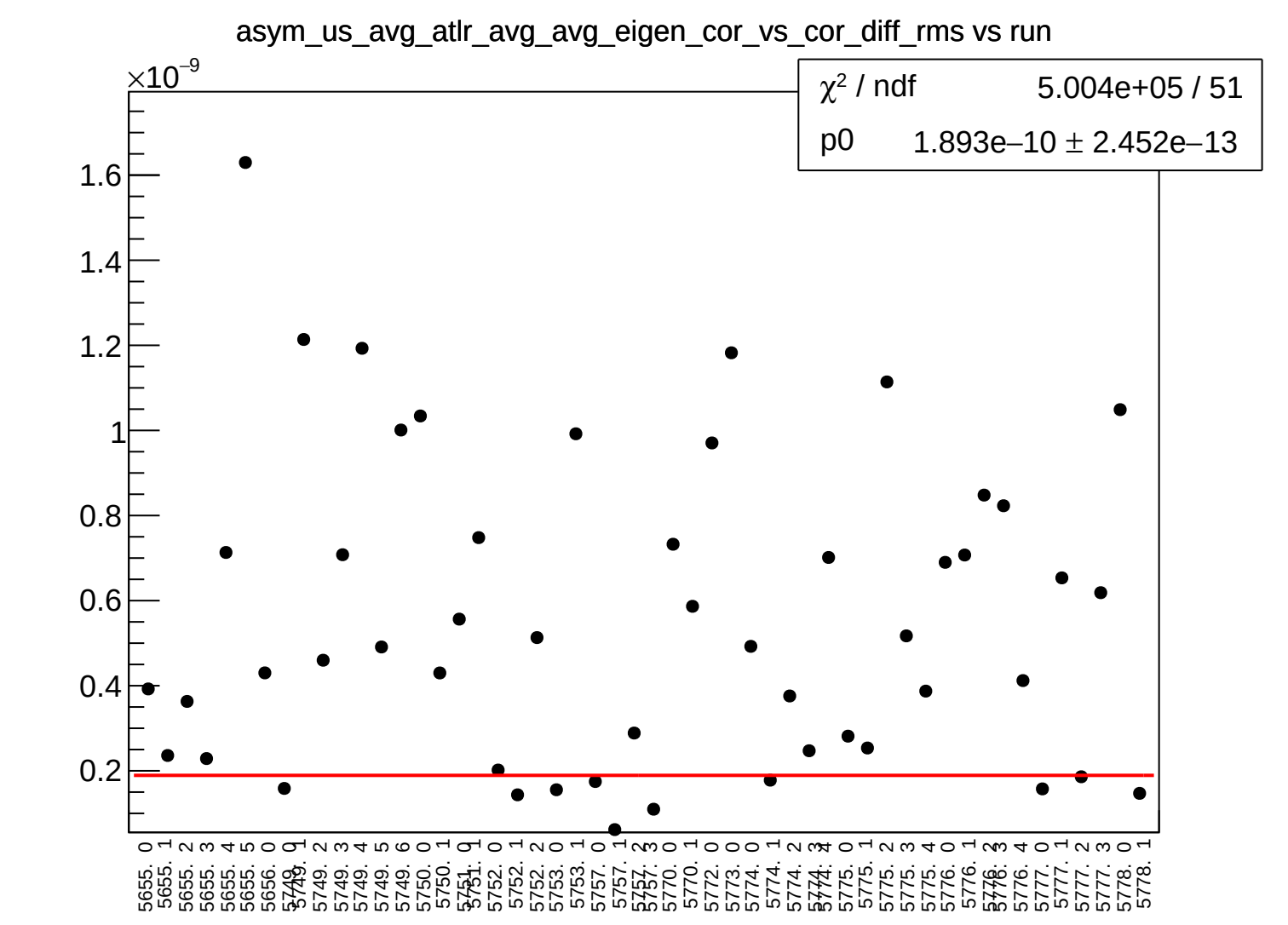

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.83e+05 / 51
p0 199.3 ± 0.2085
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.36 / 51
p0 −0.3424 ± 0.2949
pull
Entries 52
Mean 1451
Std Dev 0
pull1D
Entries 52
Mean 0.0008408
Std Dev 0.9543


asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.83e+05 / 51
p0 199.3 ± 0.2085
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 70.54 / 51
p0 −3.312e−13 ± 3.468e−13
pull
Entries 52
Mean 2253
Std Dev 0


pull1D
Entries 52
Mean −0.001232
Std Dev 1.165


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.004e+05 / 51
p0 1.893e−10 ± 2.452e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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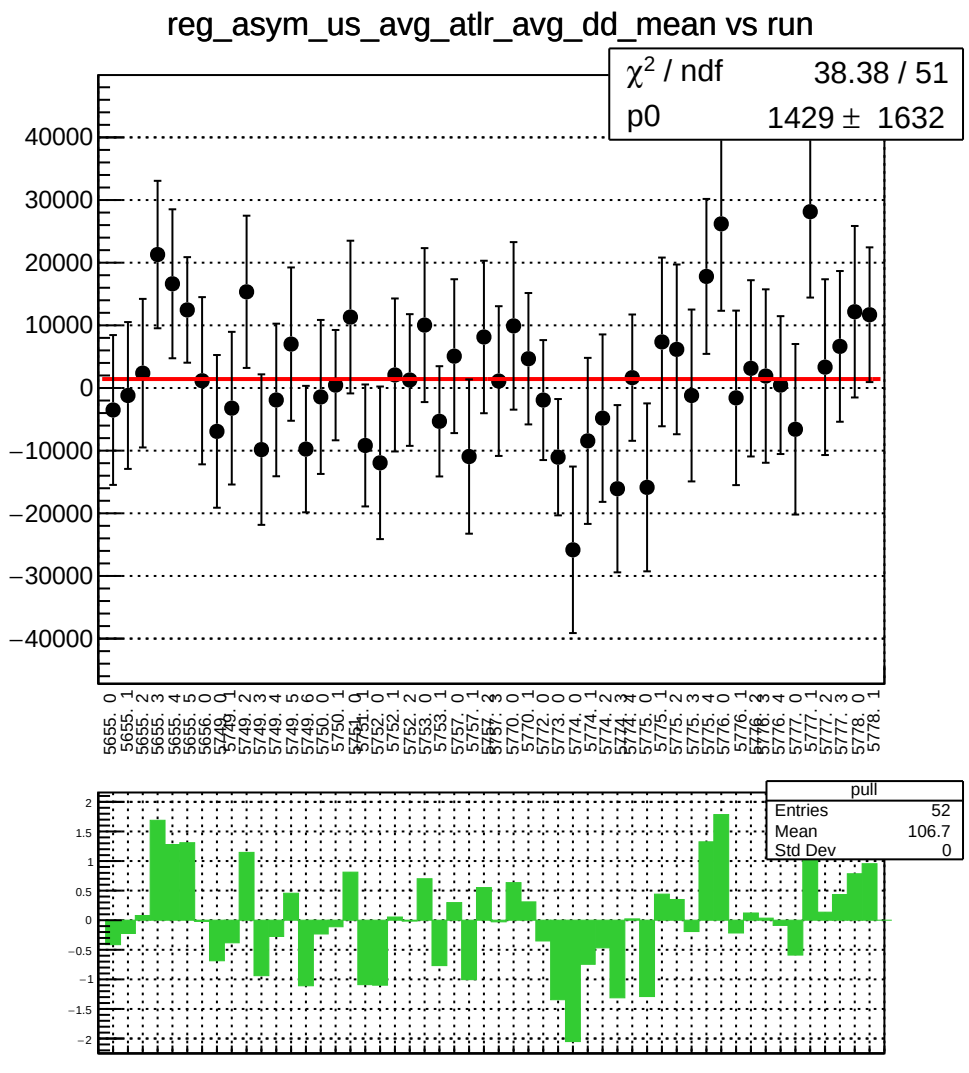
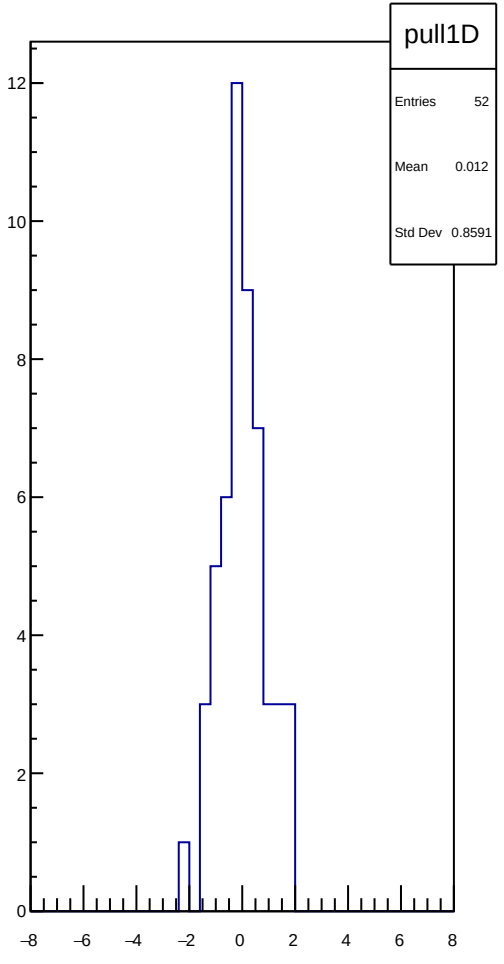
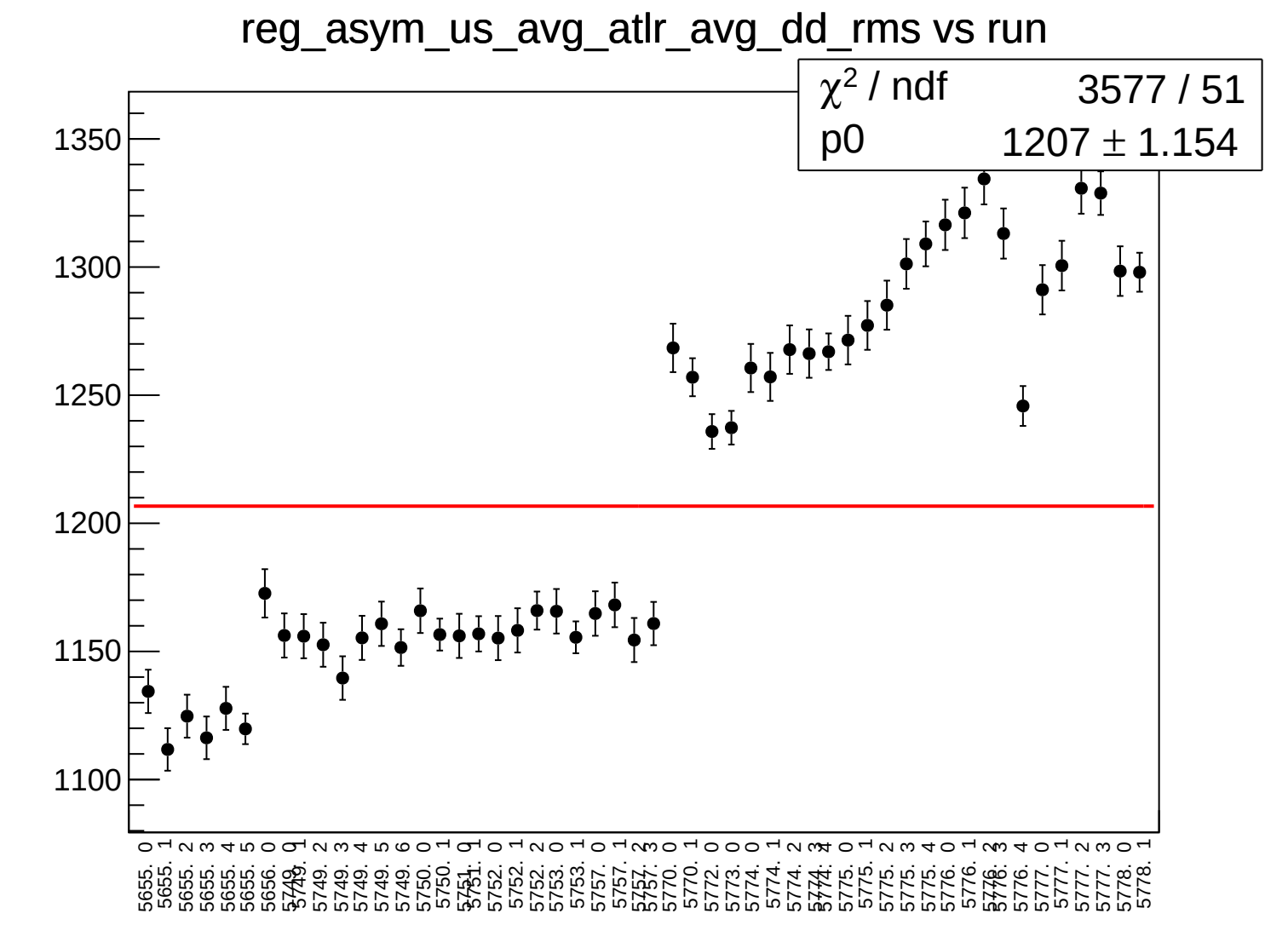
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


reg_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 38.38 / 51
p0 1429 ± 1632
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 52
Mean 106.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean 0.012
Std Dev 0.8591
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
χ² / ndf 3577 / 51
p0 1207 ± 1.154
1350
1300
1250
1200
1150
1100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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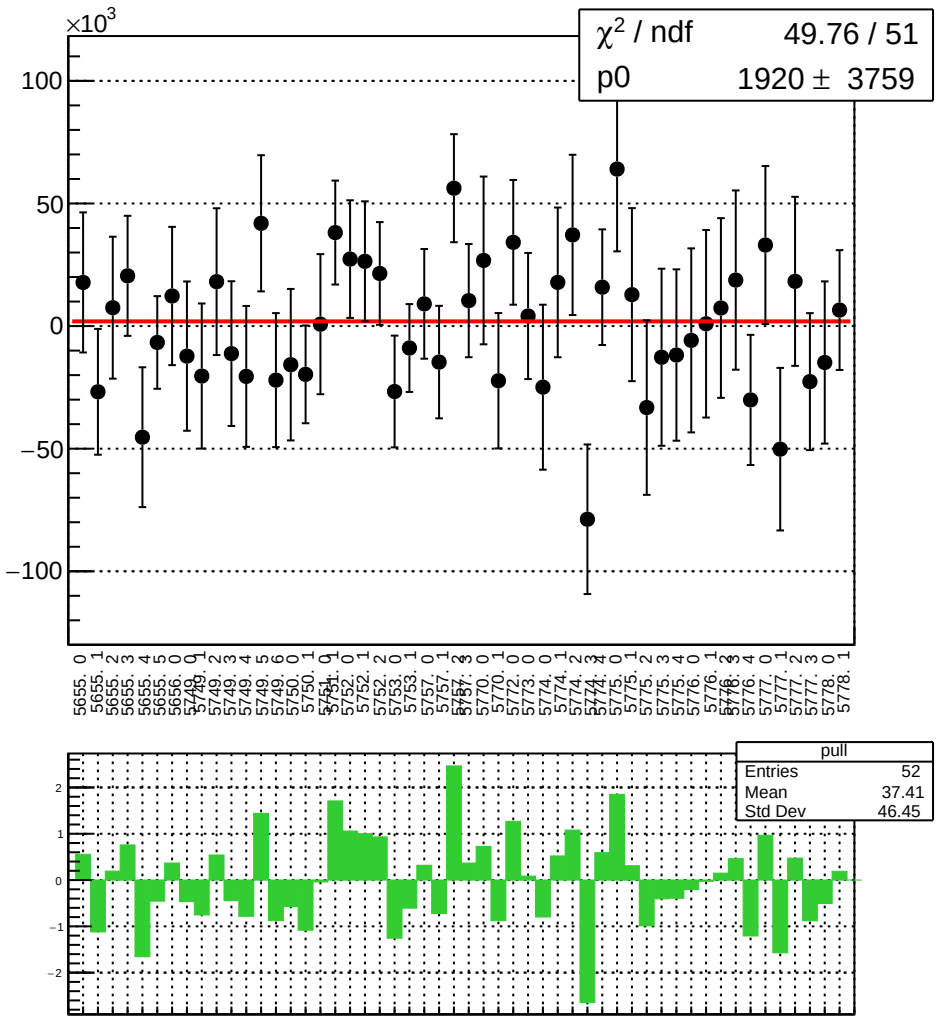
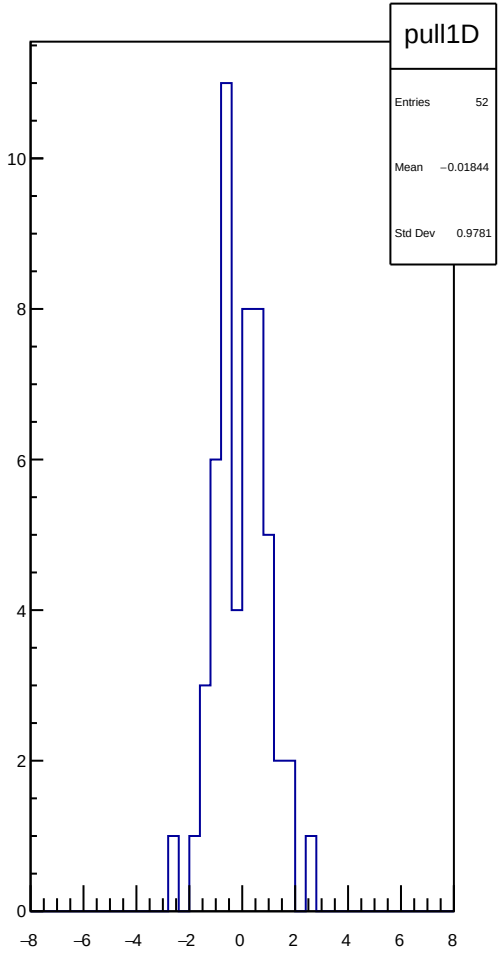
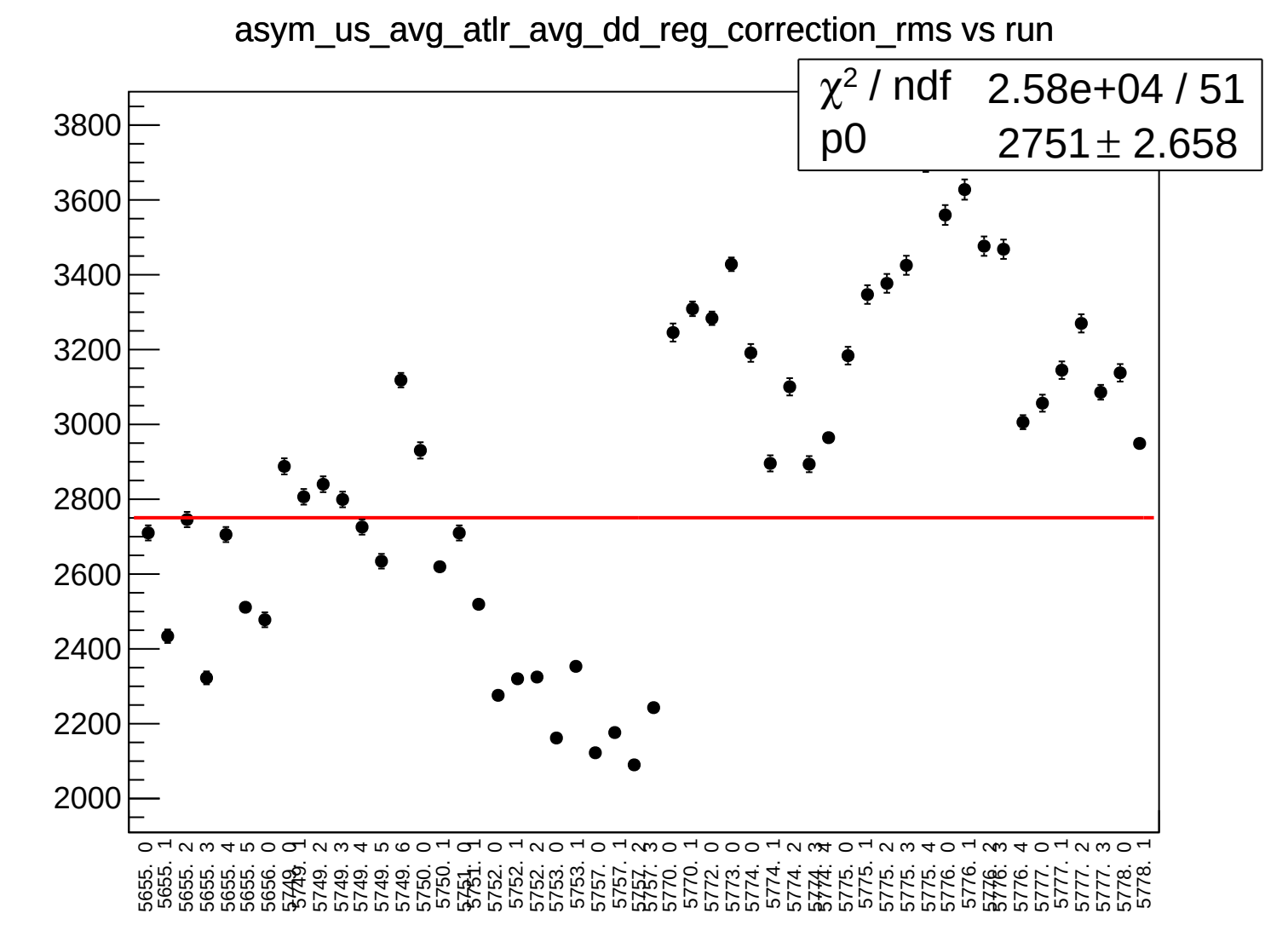
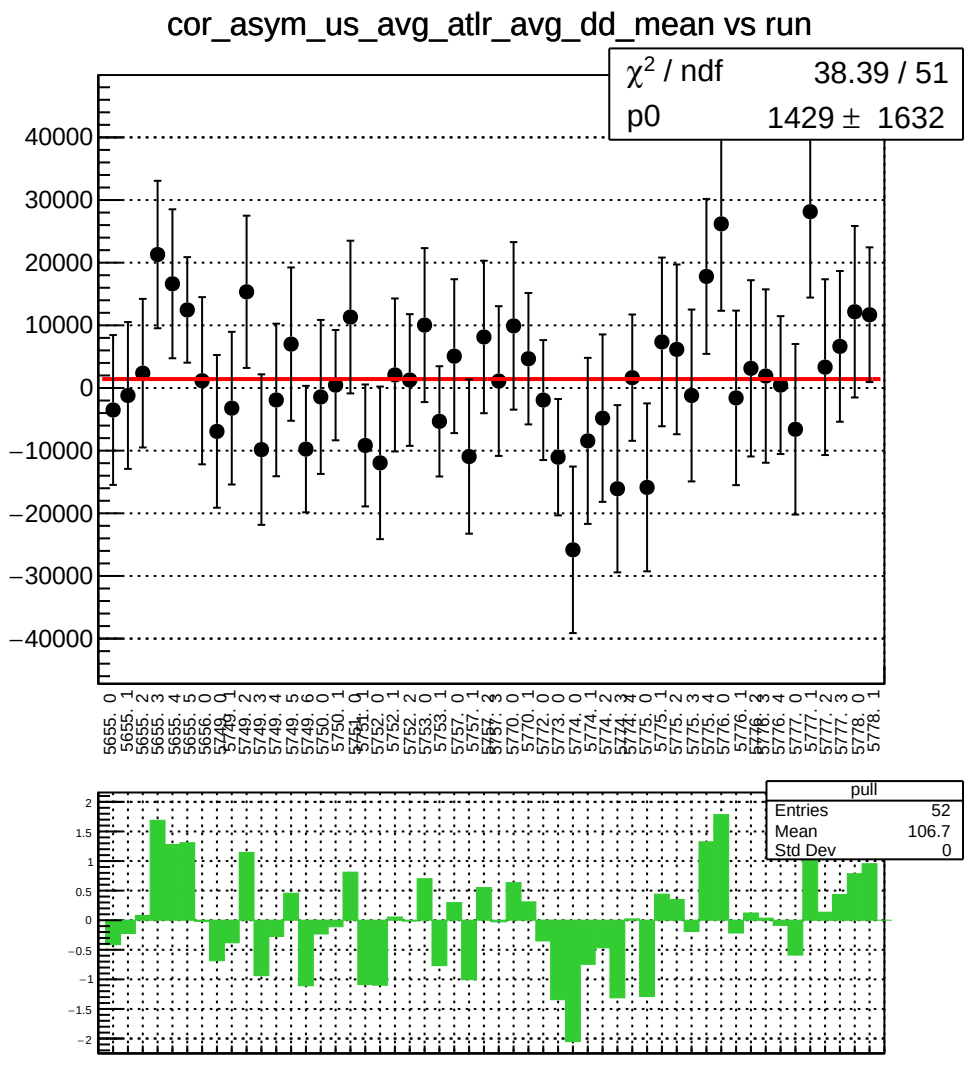
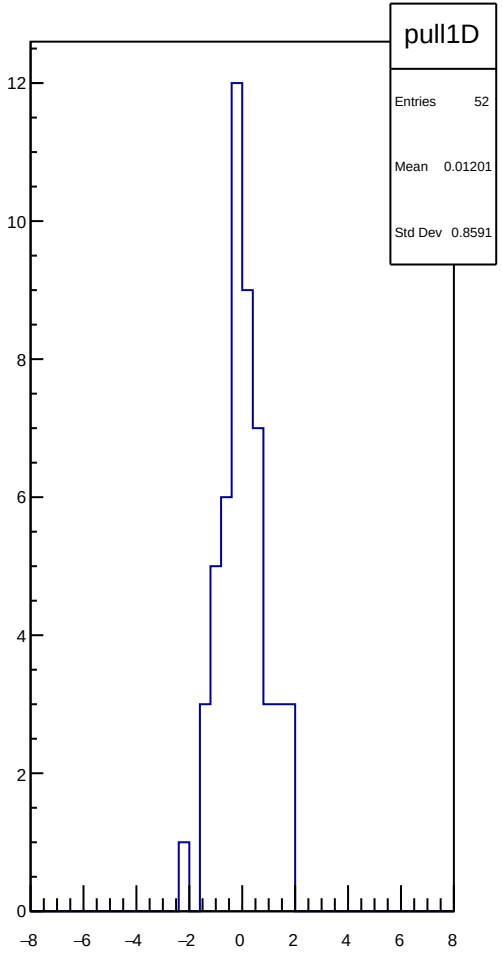
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

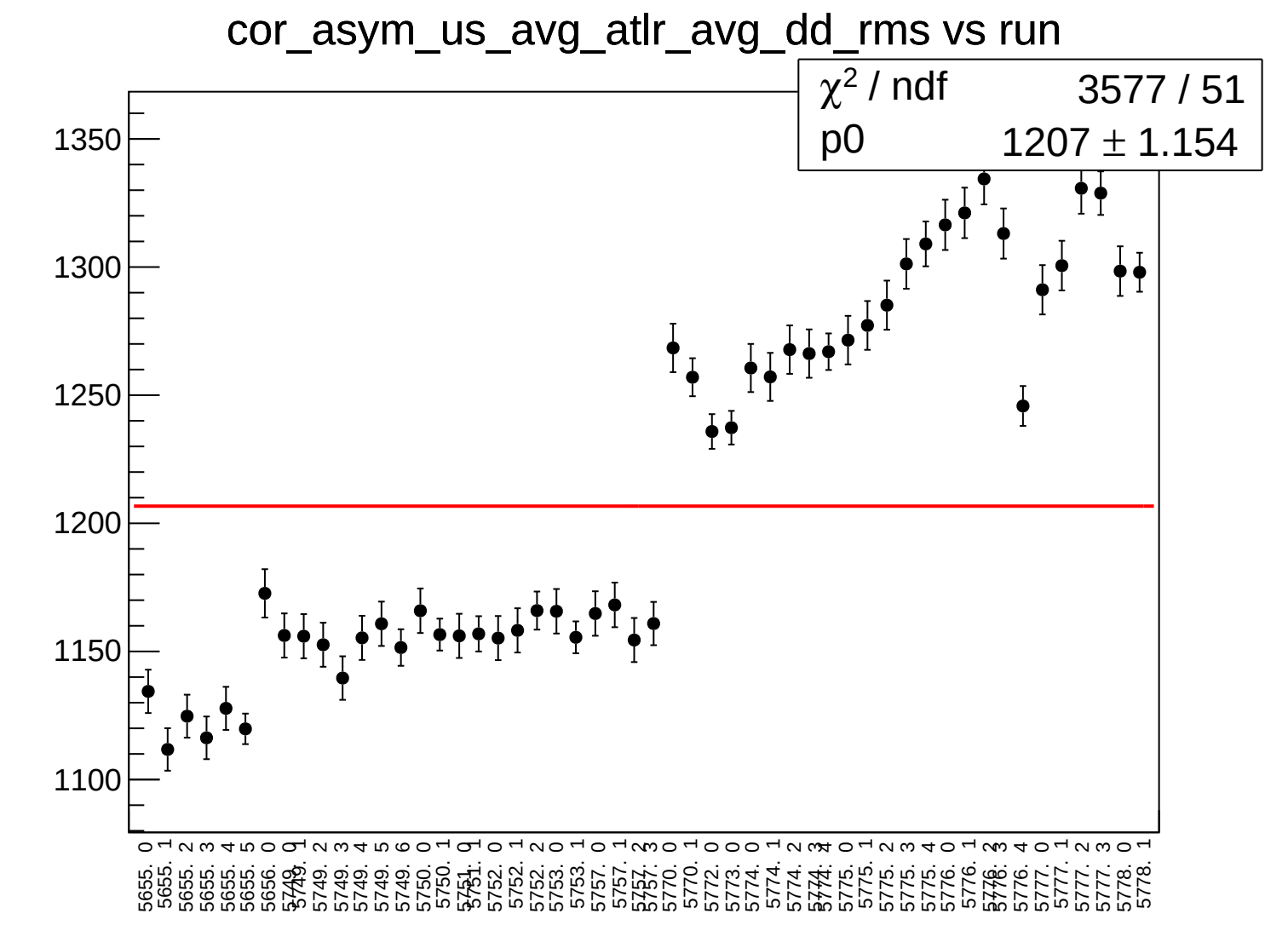

asym_us_avg_atlr_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 49.76 / 51
p0 1920 ± 3759
pull
Entries 52
Mean 37.41
Std Dev 46.45


pull1D
Entries 52
Mean −0.01844
Std Dev 0.9781


asym_us_avg_atlr_avg_dd_reg_correction_rms vs run
χ² / ndf 2.58e+04 / 51
p0 2751 ± 2.658
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 38.39 / 51
p0 1429 ± 1632
pull
Entries 52
Mean 106.7
Std Dev 0


pull1D
Entries 52
Mean 0.01201
Std Dev 0.8591


cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 3577 / 51
p0 1207 ± 1.154
1350
1300
1250
1200
1150
1100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5774. 4
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5775. 4
5776. 0
5776. 1
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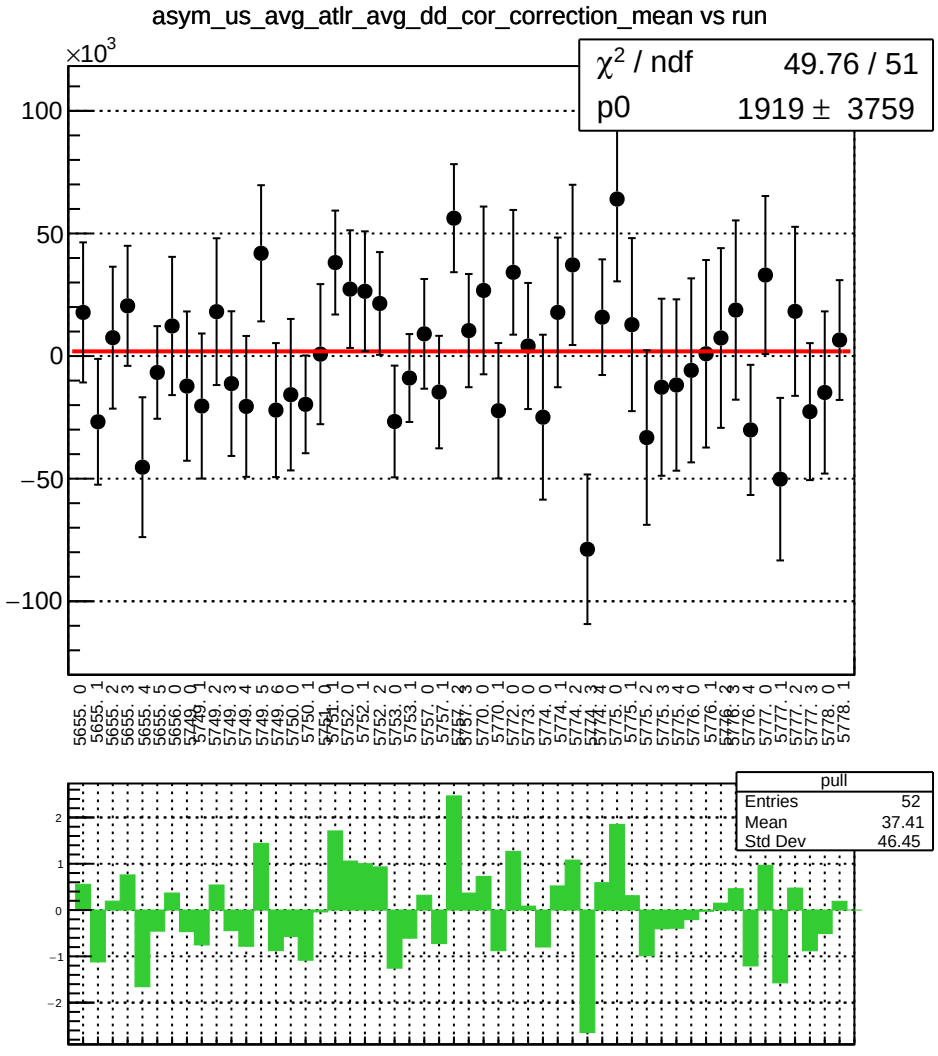
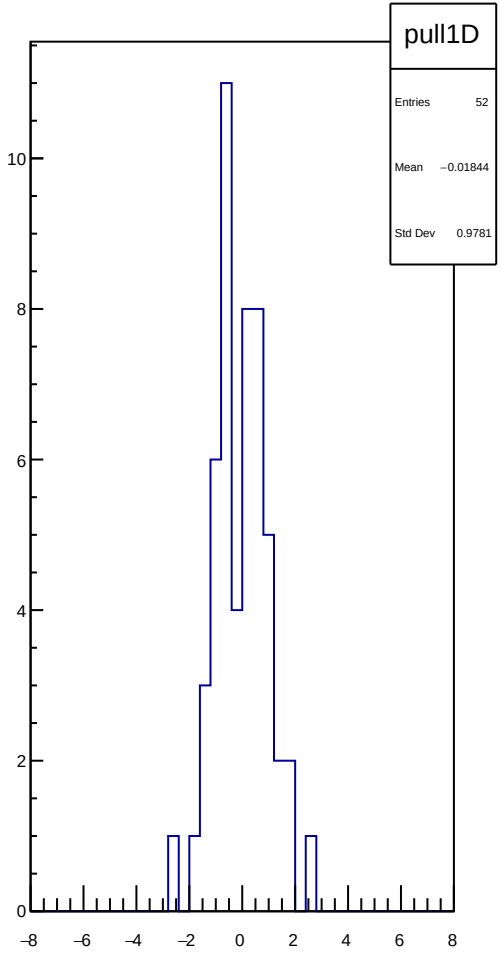
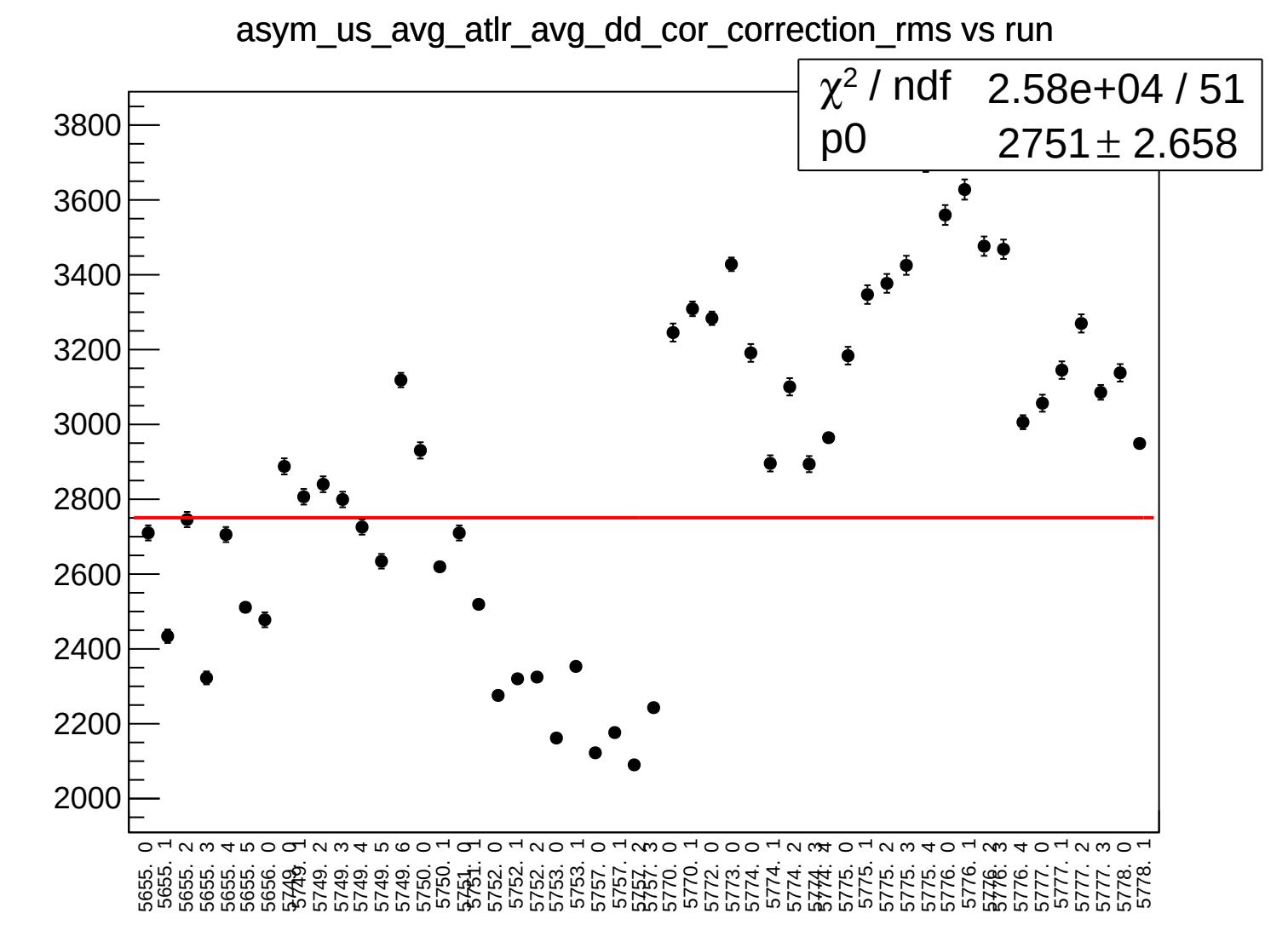
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_avg_atlr_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 49.76 / 51
p0 1919 ± 3759
pull
Entries 52
Mean 37.41
Std Dev 46.45


pull1D
Entries 52
Mean −0.01844
Std Dev 0.9781


asym_us_avg_atlr_avg_dd_cor_correction_rms vs run
χ² / ndf 2.58e+04 / 51
p0 2751 ± 2.658
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5752. 1
5752. 2
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5757. 0
5757. 1
5757. 2
5757. 3
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5774. 3
5774. 4
5775. 0
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5775. 2
5775. 3
5775. 4
5776. 0
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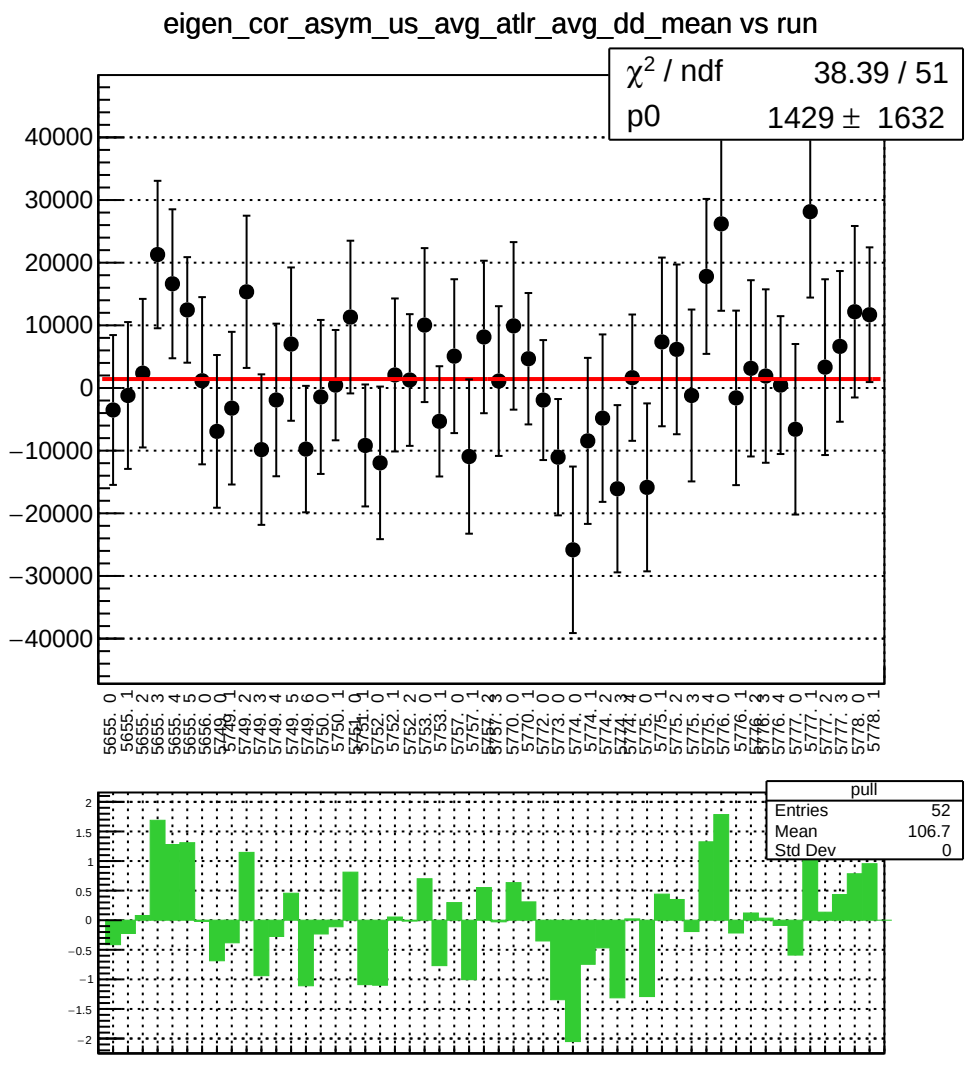
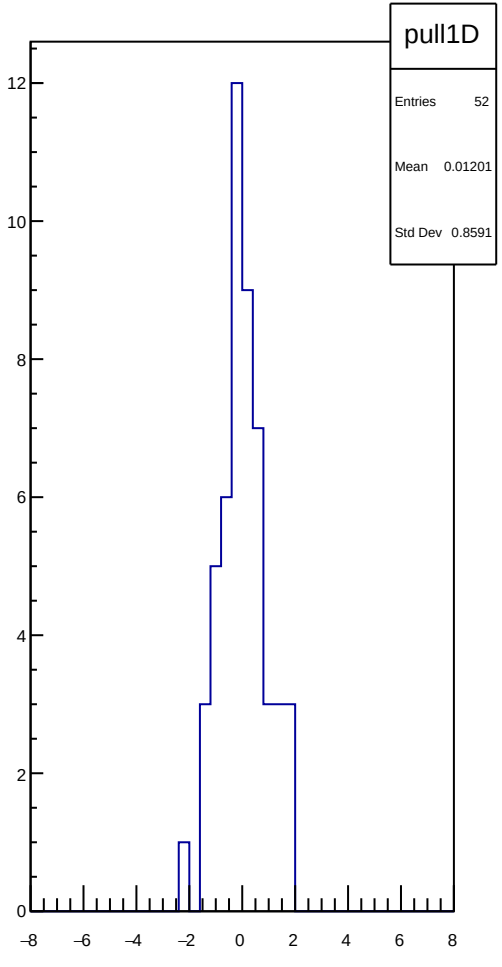
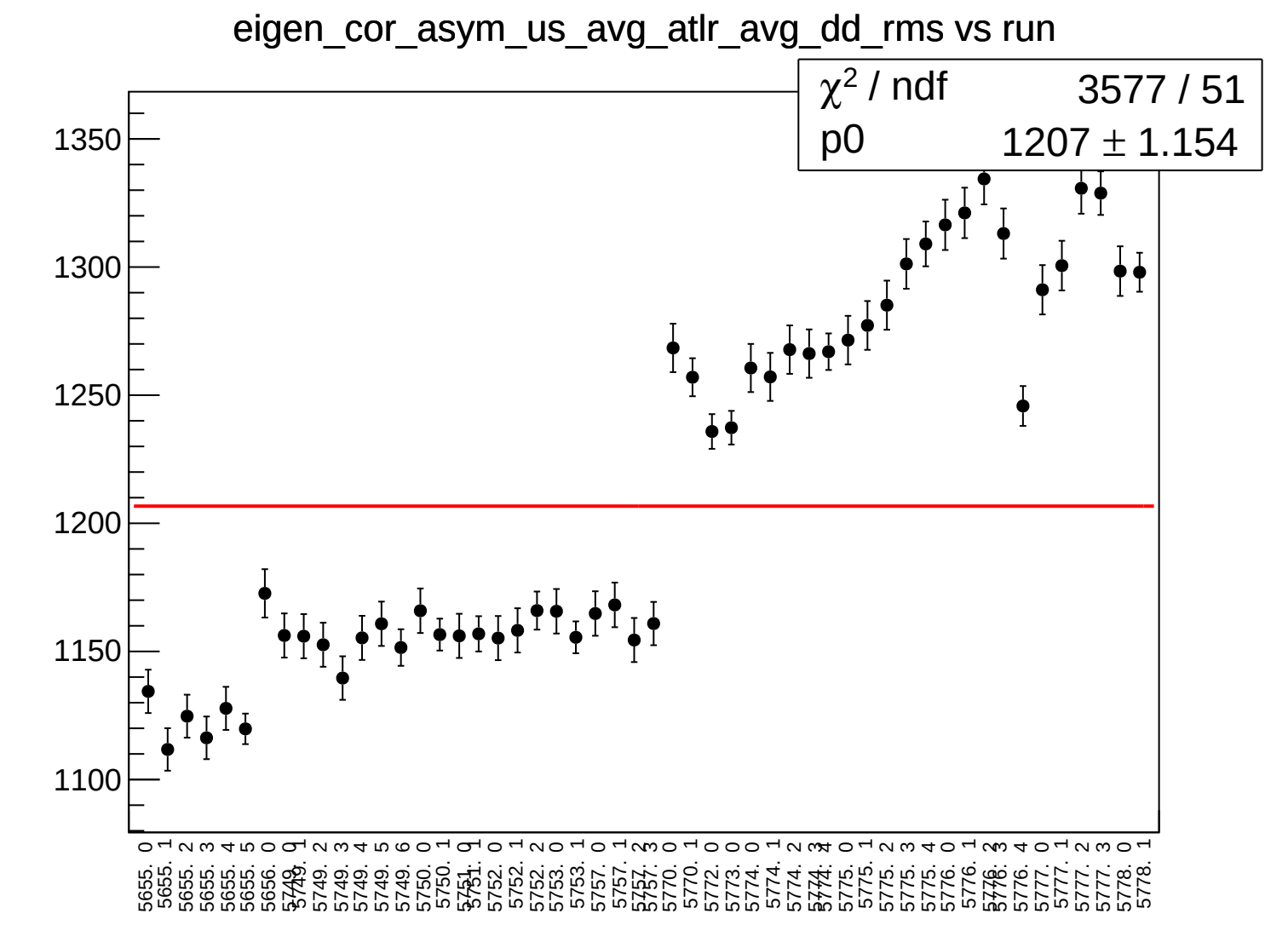
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 38.39 / 51
p0 1429 ± 1632
pull
Entries 52
Mean 106.7
Std Dev 0


pull1D
Entries 52
Mean 0.01201
Std Dev 0.8591


eigen_cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 3577 / 51
p0 1207 ± 1.154
1350
1300
1250
1200
1150
1100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
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5752. 0
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5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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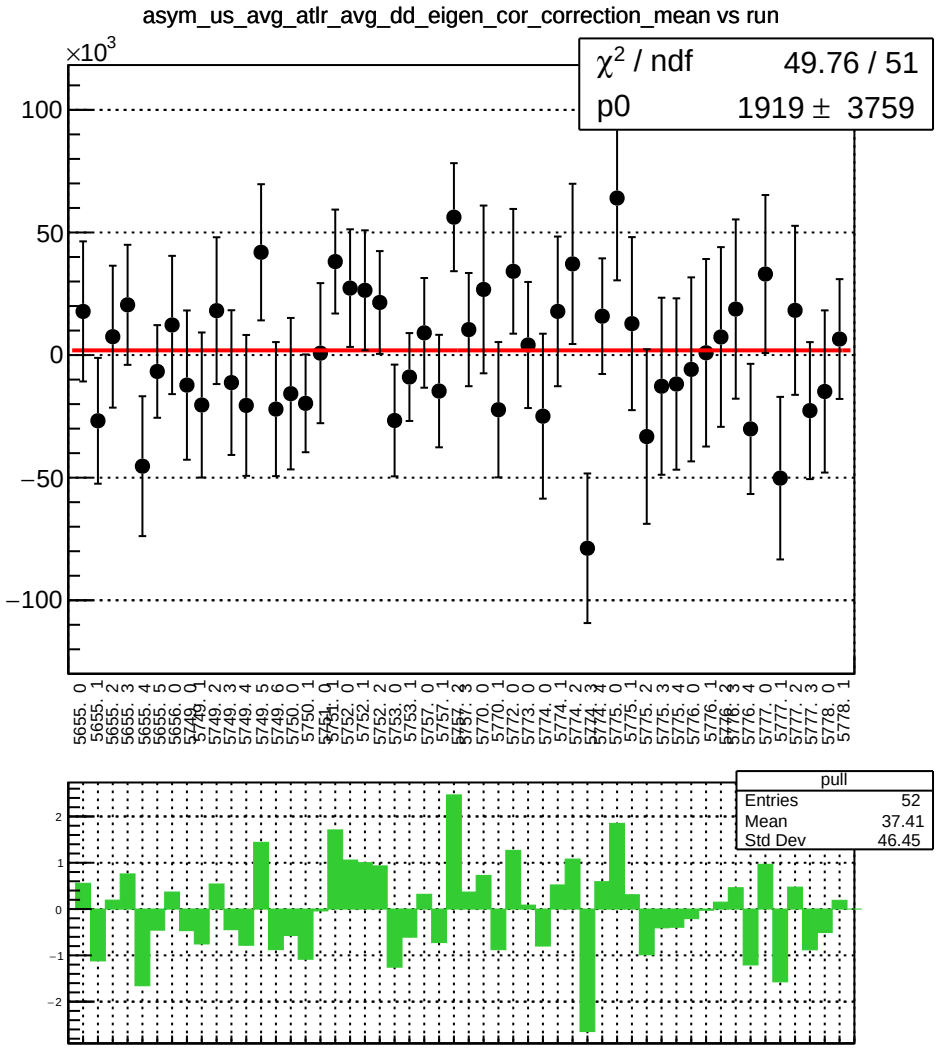
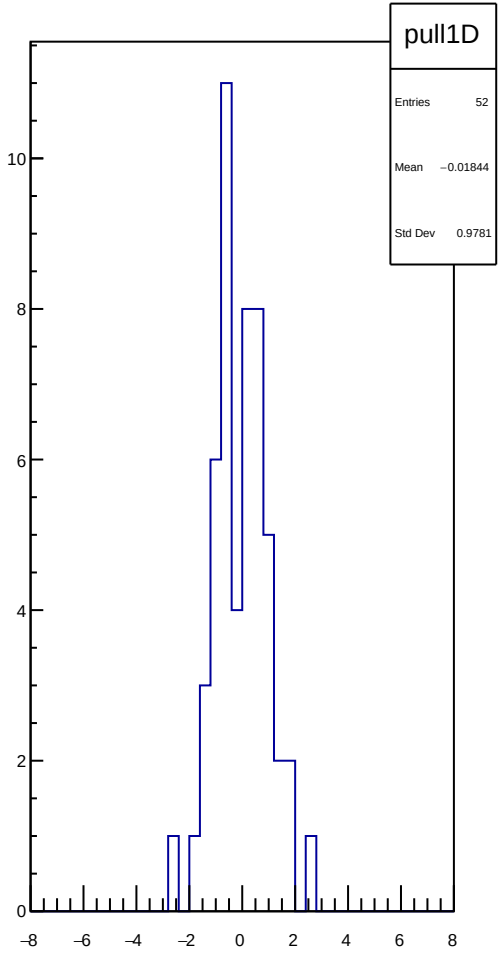
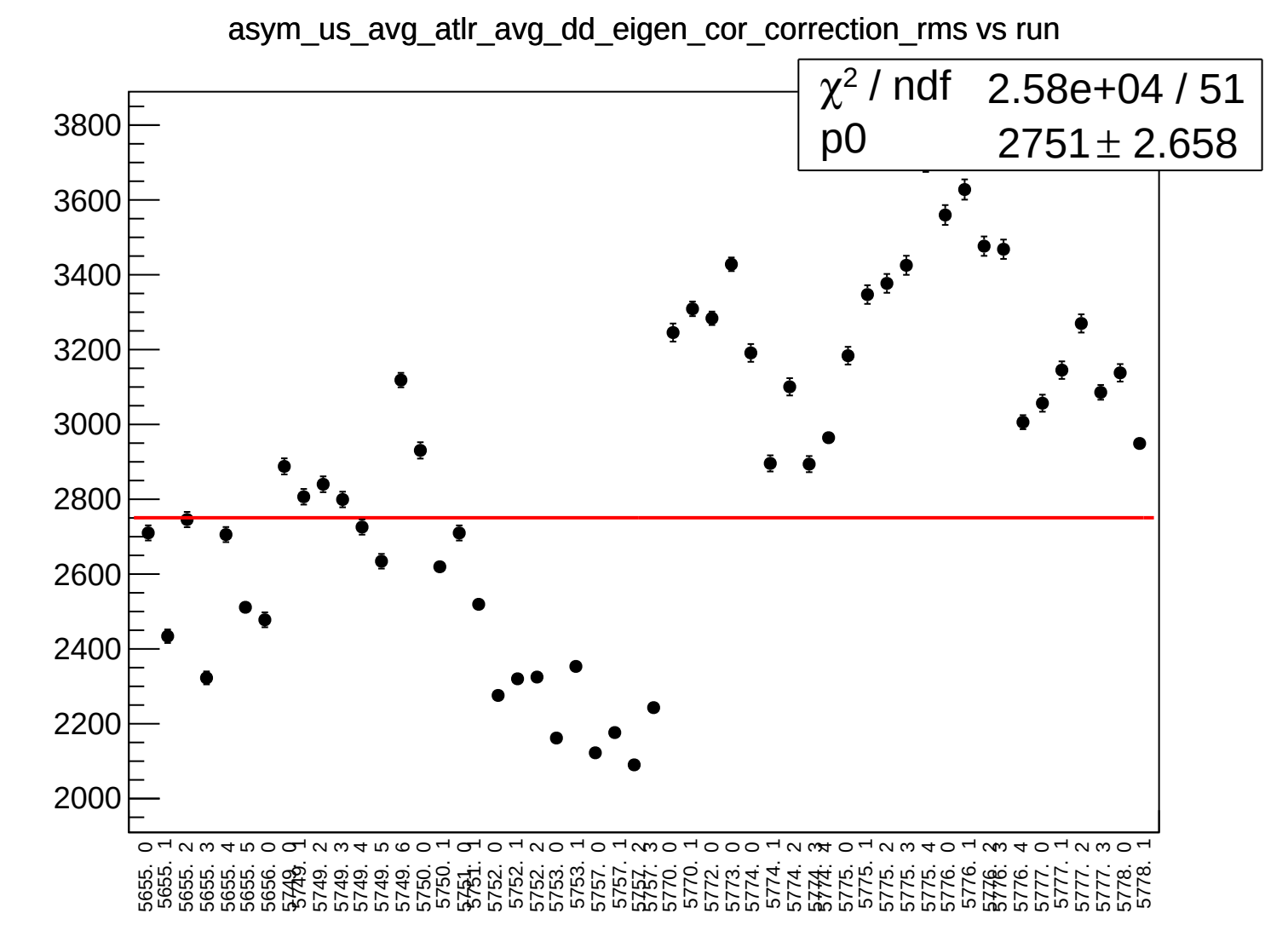
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 49.76 / 51
p0 1919 ± 3759
pull
Entries 52
Mean 37.41
Std Dev 46.45


pull1D
Entries 52
Mean −0.01844
Std Dev 0.9781


asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.58e+04 / 51
p0 2751 ± 2.658
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
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5749. 5
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5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5772. 0
5773. 0
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5775. 0
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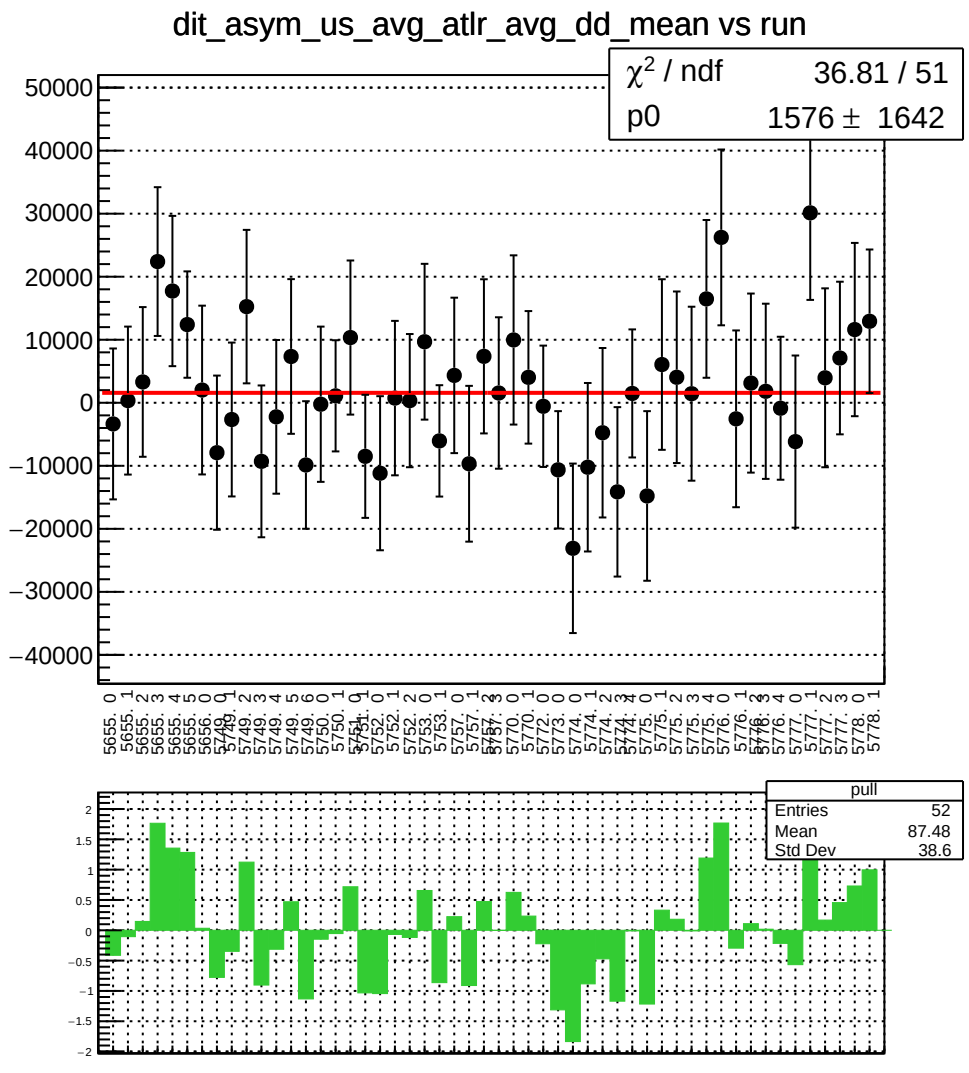
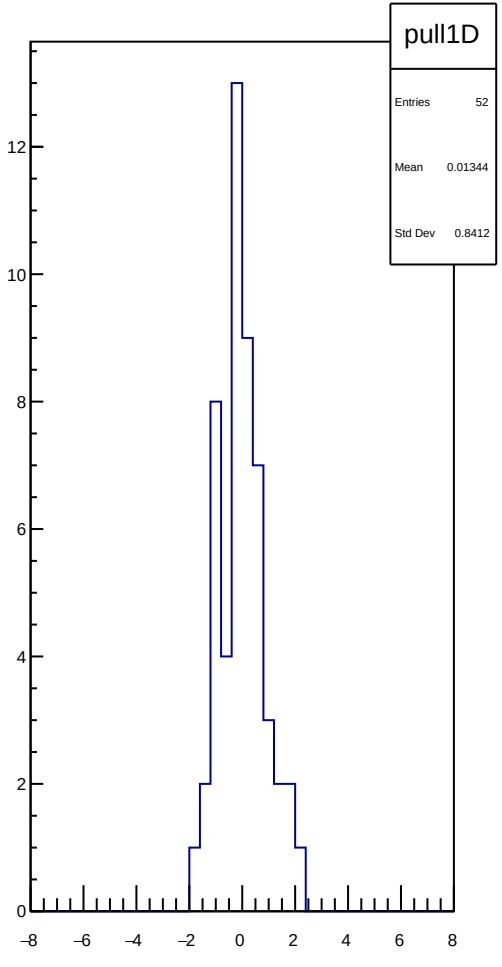
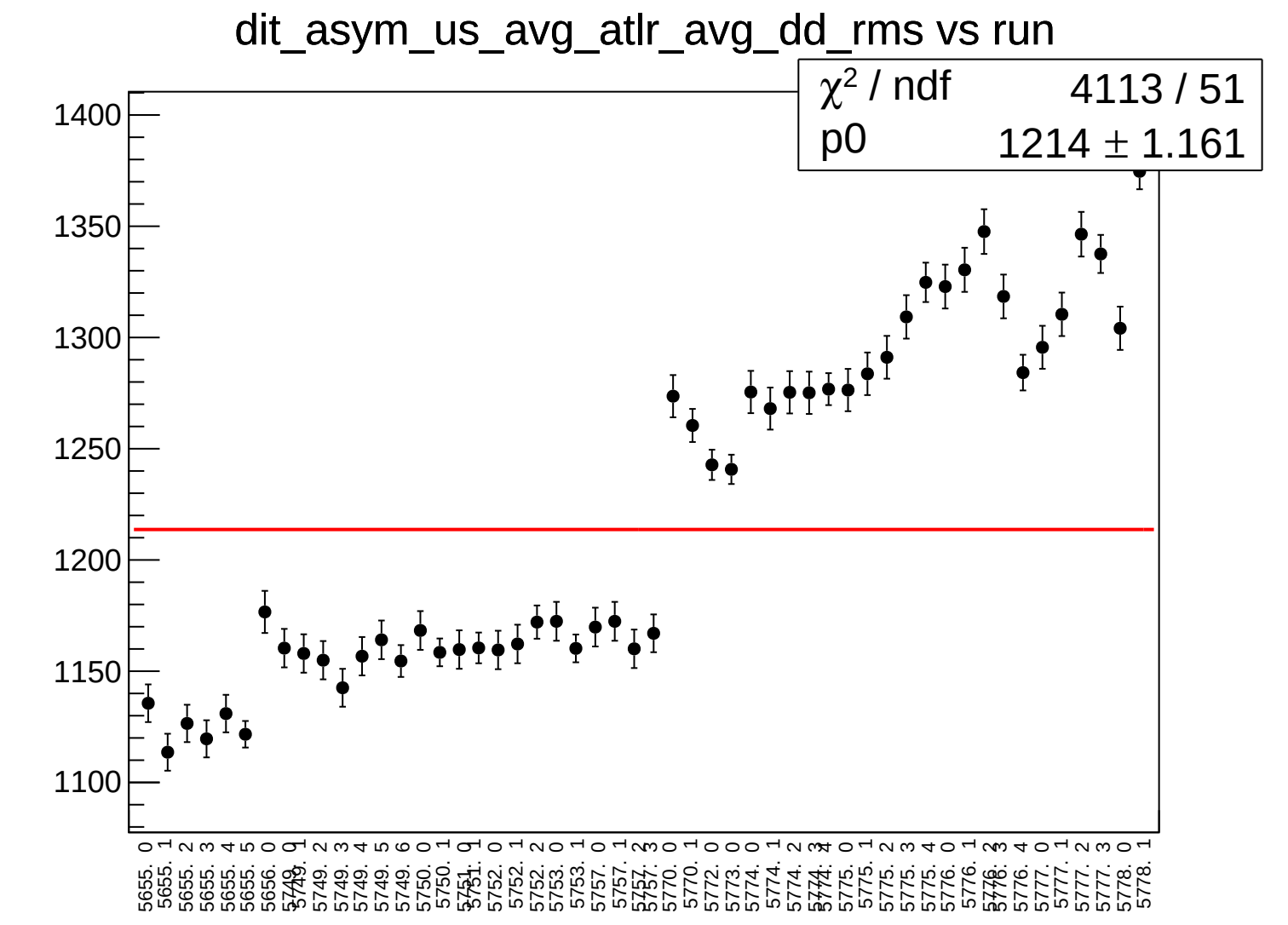

dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 36.81 / 51
p0 1576 ± 1642
pull
Entries 52
Mean 87.48
Std Dev 38.6


pull1D
Entries 52
Mean 0.01344
Std Dev 0.8412


dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 4113 / 51
p0 1214 ± 1.161
1400
1350
1300
1250
1200
1150
1100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
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5775. 0
5775. 1
5775. 2
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5777. 2
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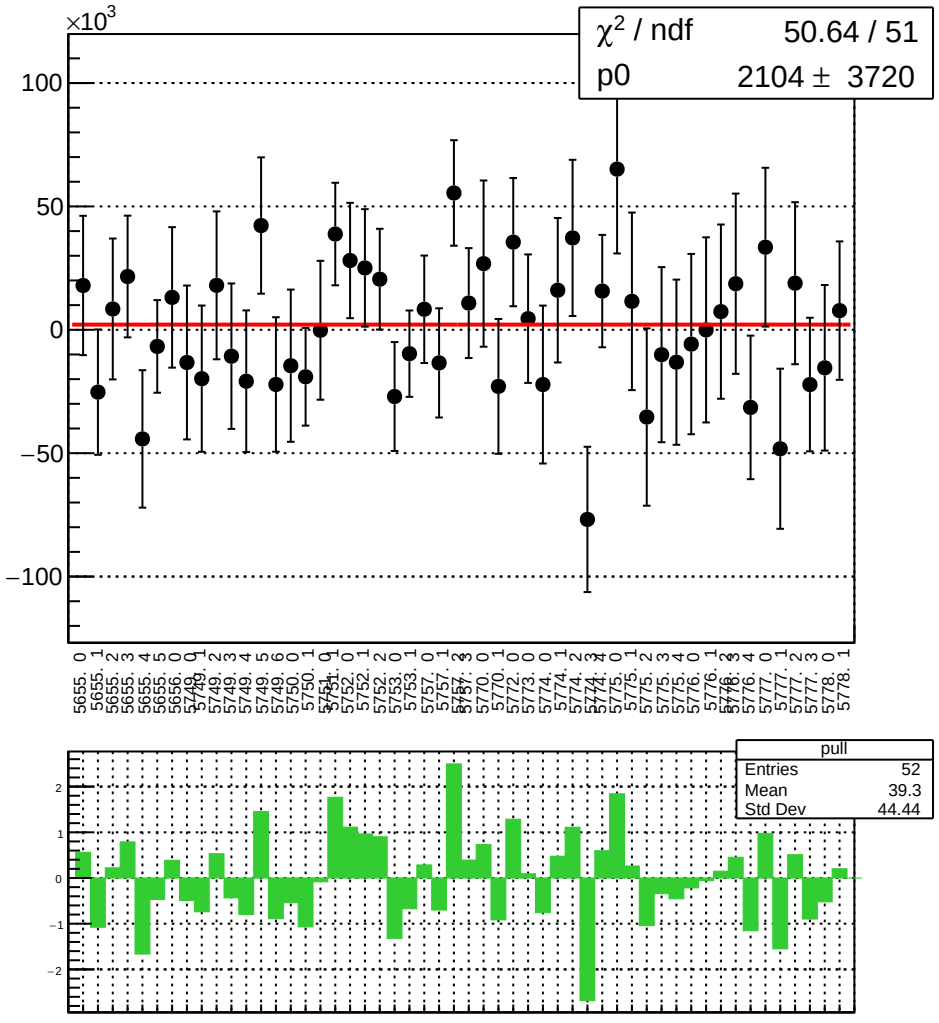
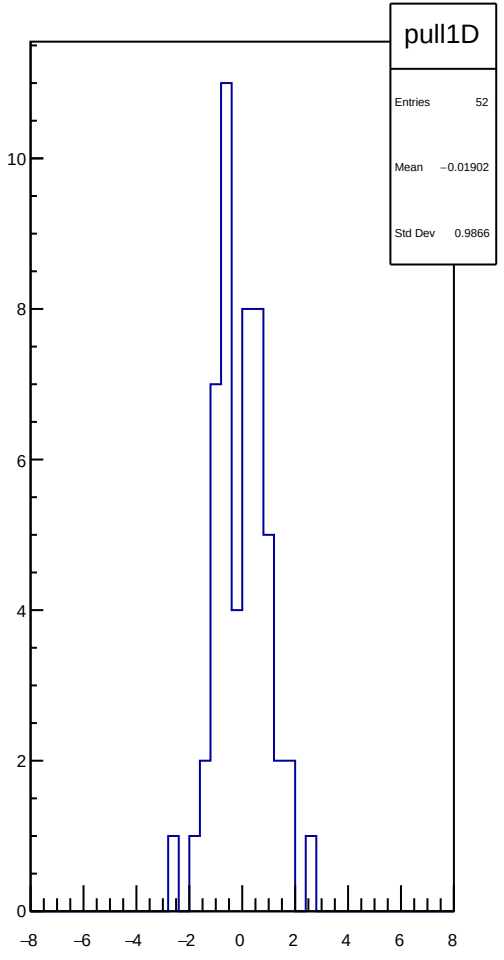
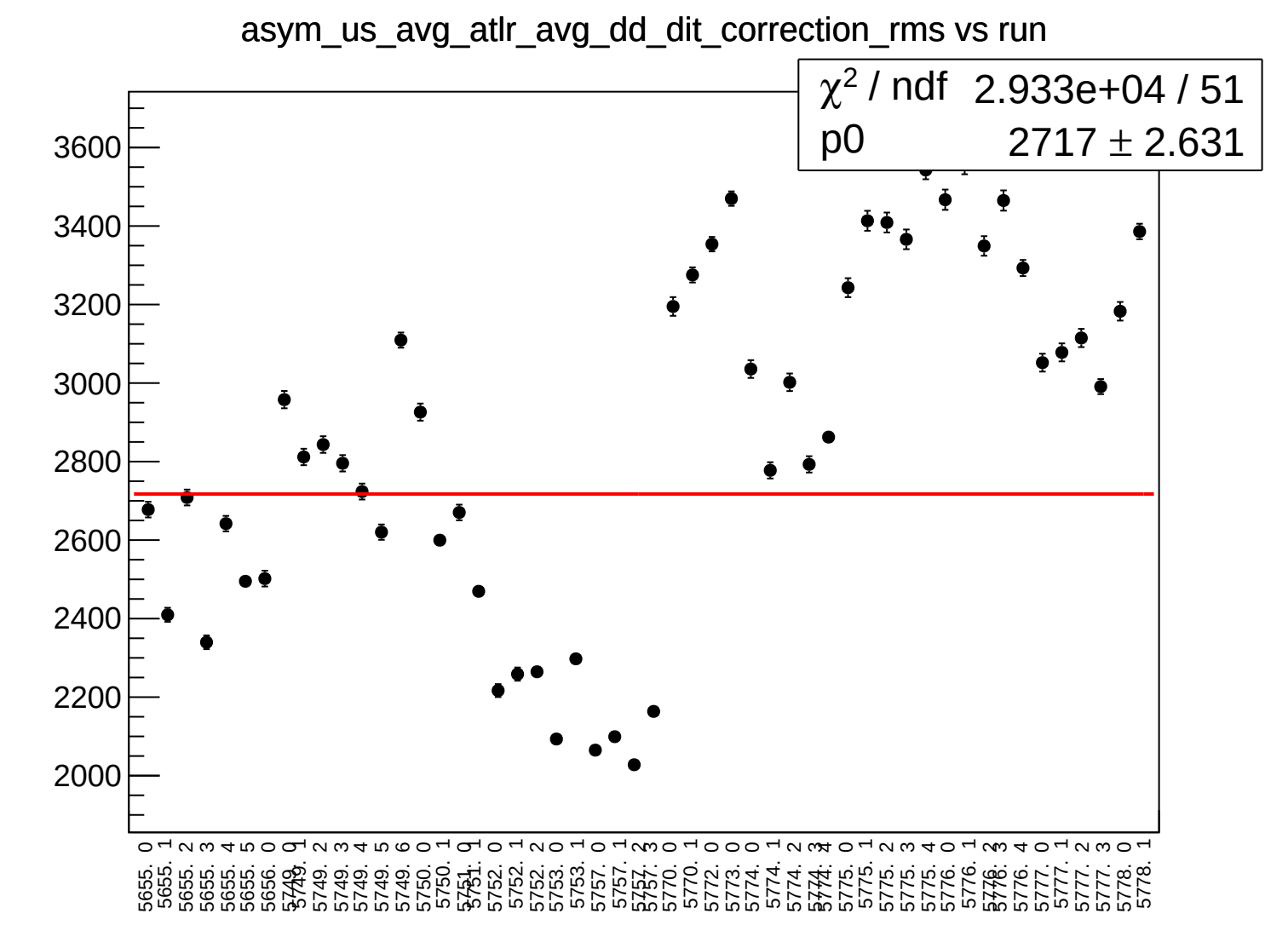
5778. 0
5778. 1


asym_us_avg_atlr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 50.64 / 51
p0 2104 ± 3720
100
50
0
−50
−100
pull
Entries 52
Mean 39.3
Std Dev 44.44
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.01902
Std Dev 0.9866
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_atlr_avg_dd_dit_correction_rms vs run
χ² / ndf 2.933e+04 / 51
p0 2717 ± 2.631
3600
3400
3200
3000
2800
2600
2400
2200
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5749. 4
5749. 5
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5750. 0
5750. 1
5751. 0
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5752. 0
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5752. 2
5753. 0
5753. 1
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5777. 2
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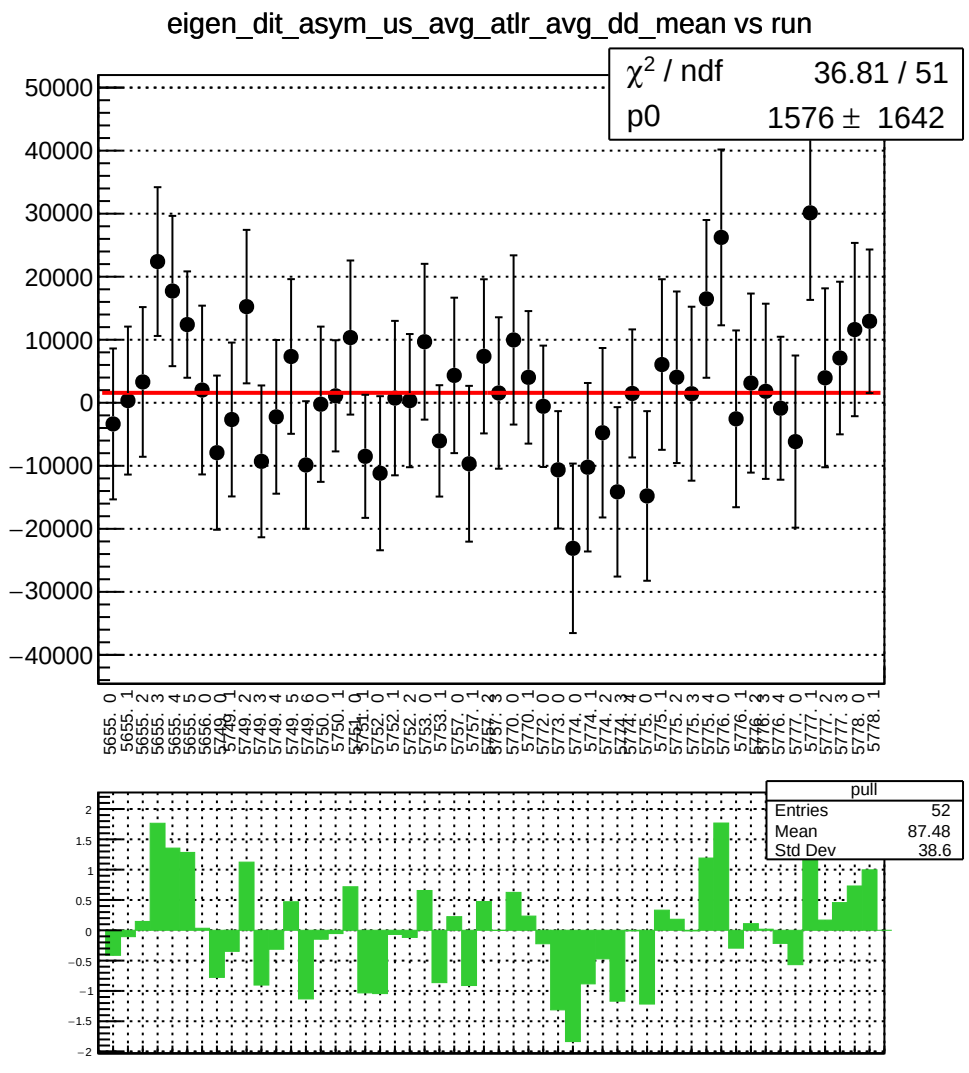
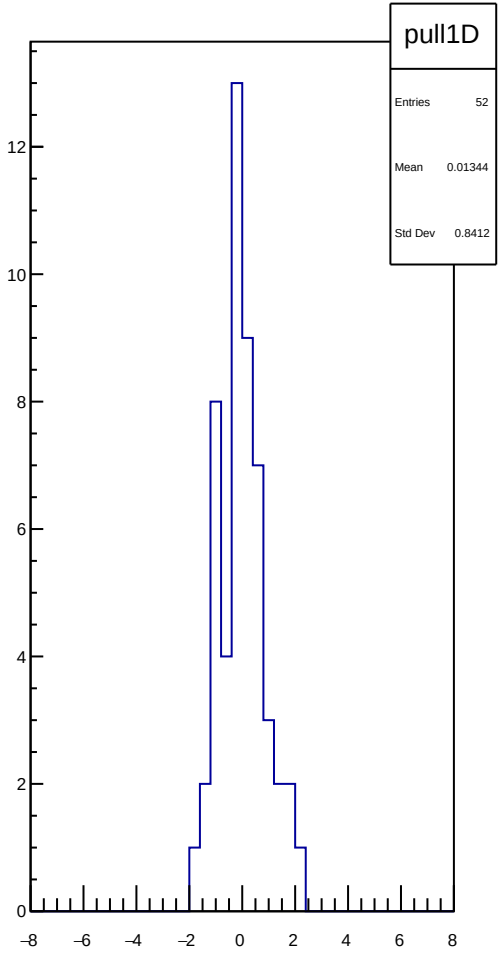
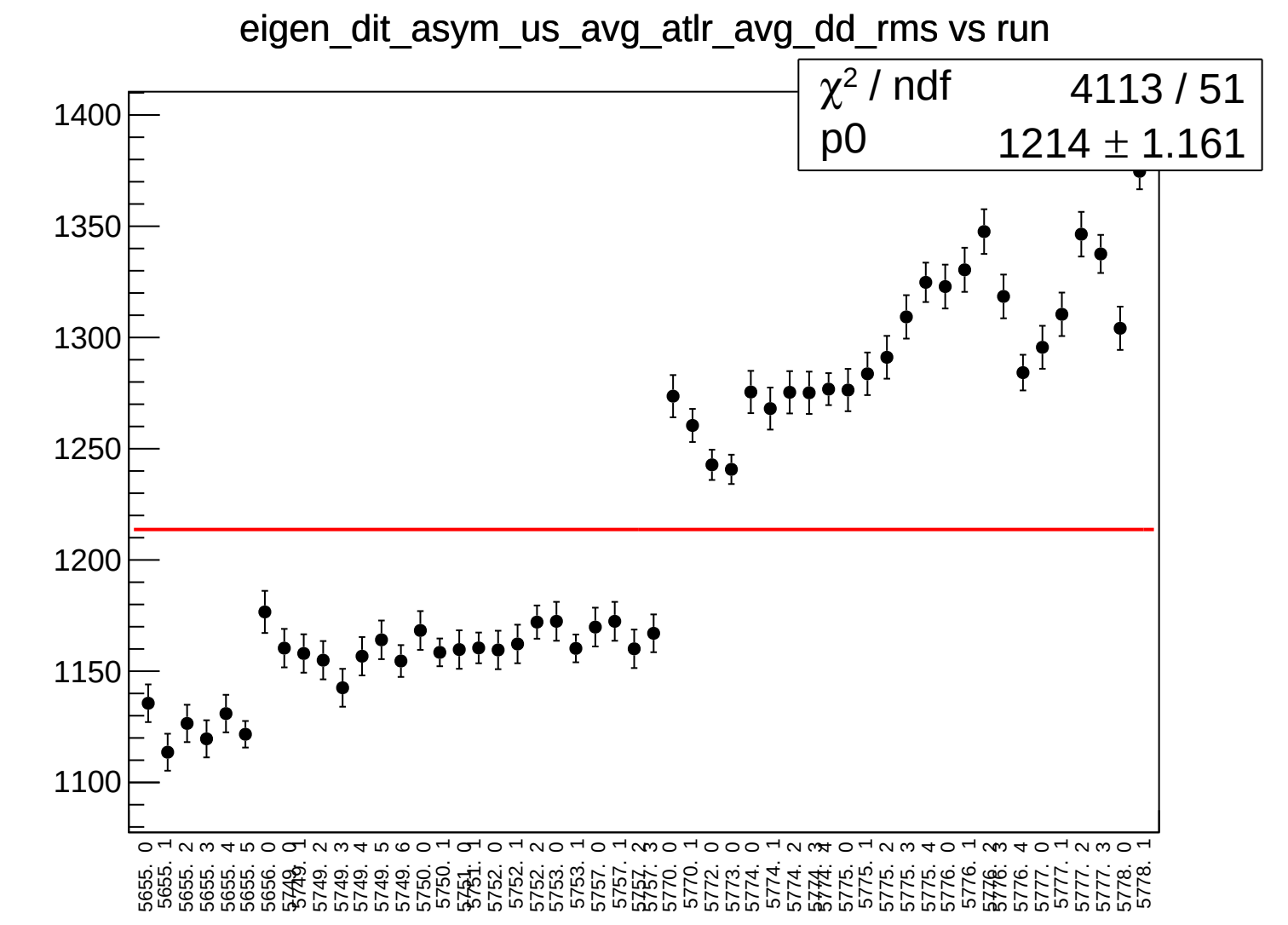
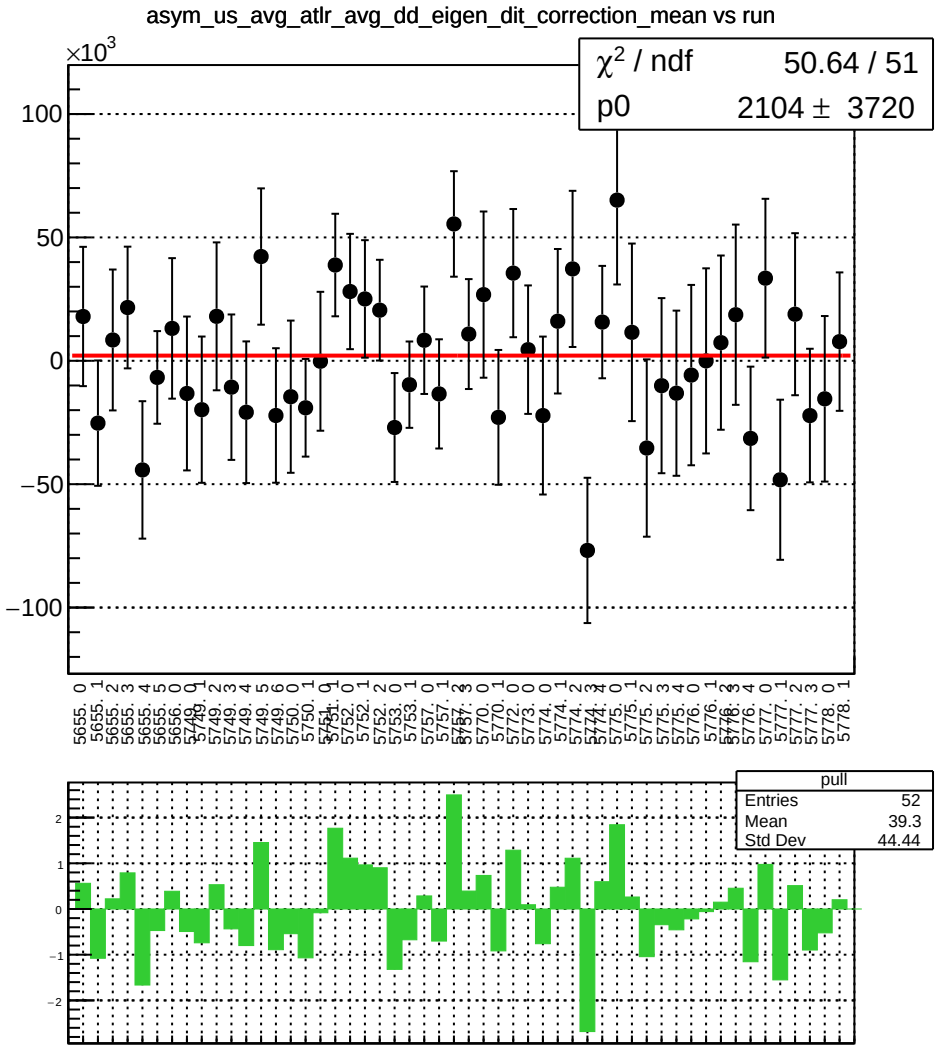
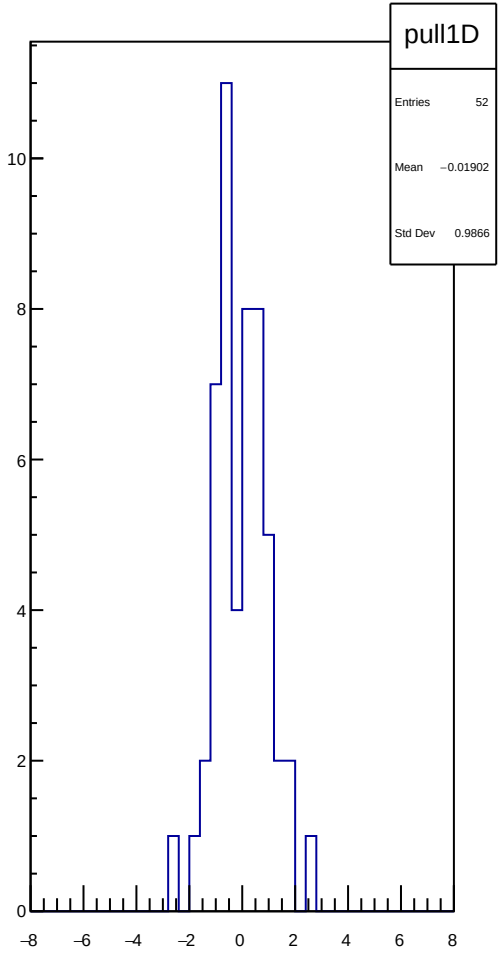
5778. 0
5778. 1

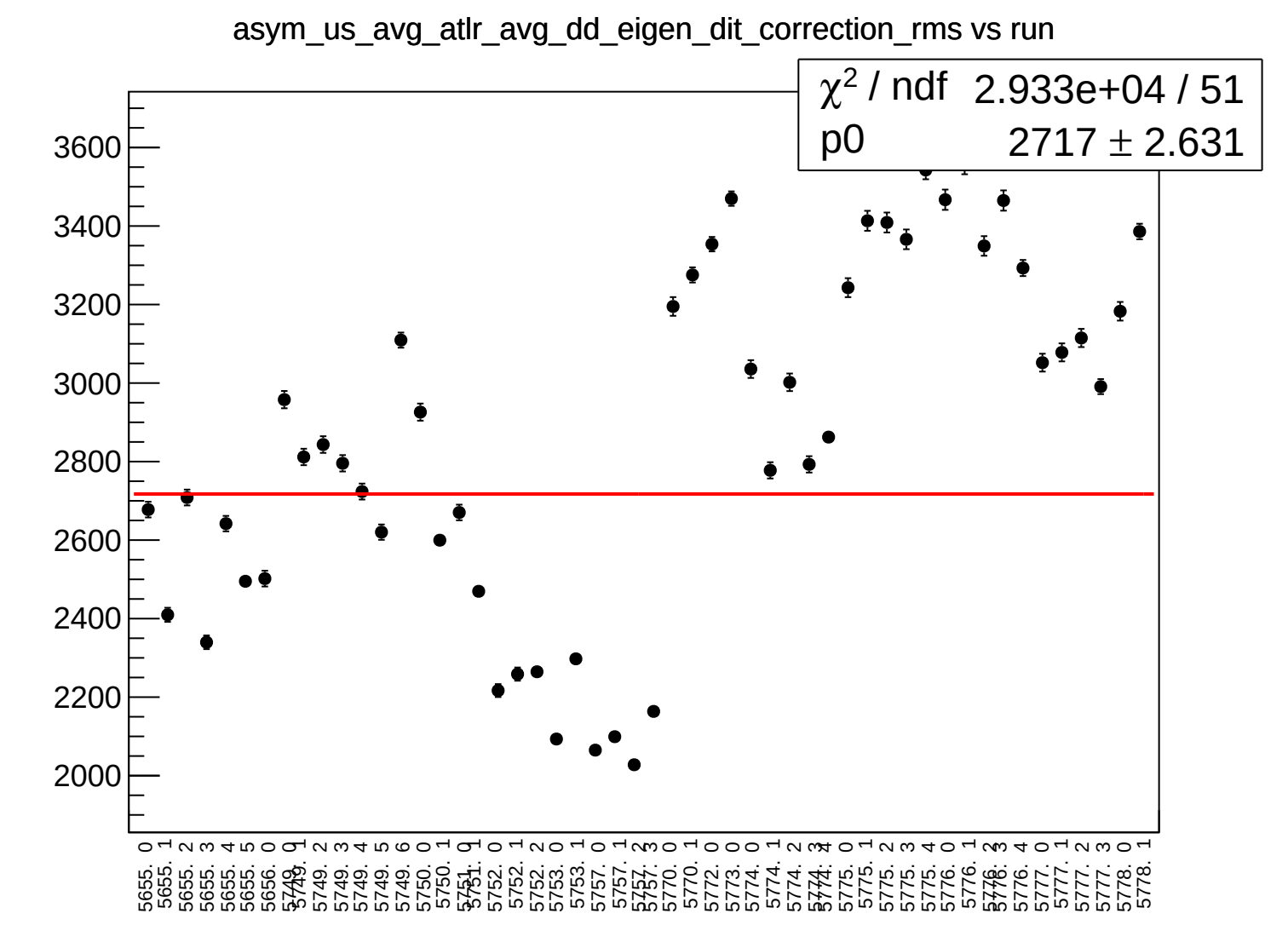

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 36.81 / 51
p0 1576 ± 1642
pull
Entries 52
Mean 87.48
Std Dev 38.6

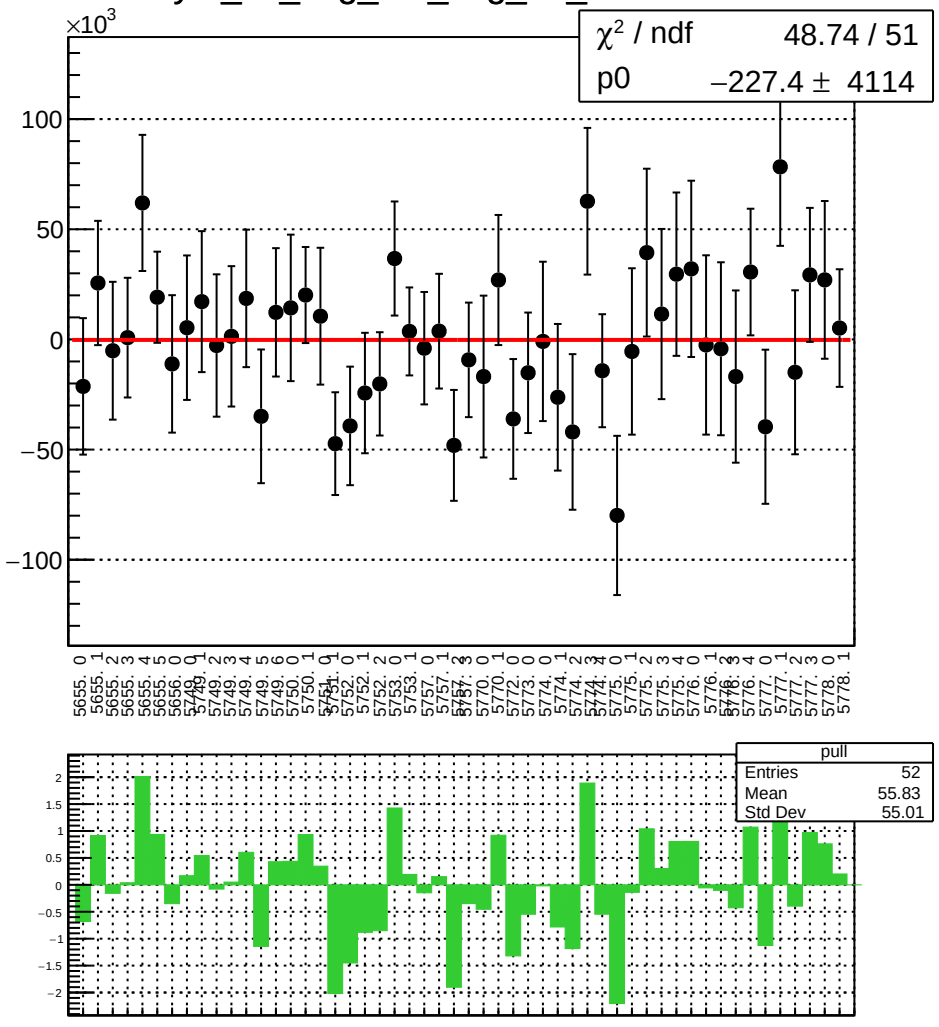

pull1D
Entries 52
Mean 0.01344
Std Dev 0.8412

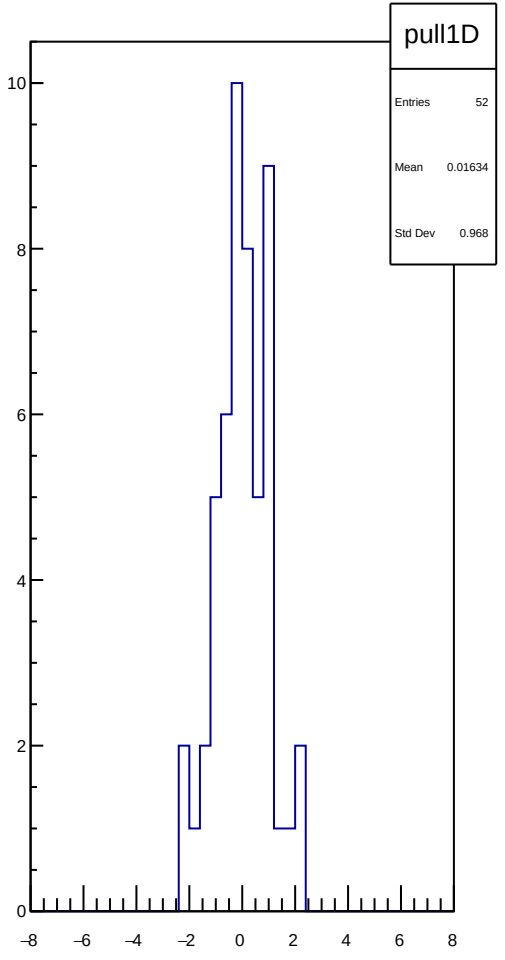

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 4113 / 51
p0 1214 ± 1.161
1400
1350
1300
1250
1200
1150
1100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

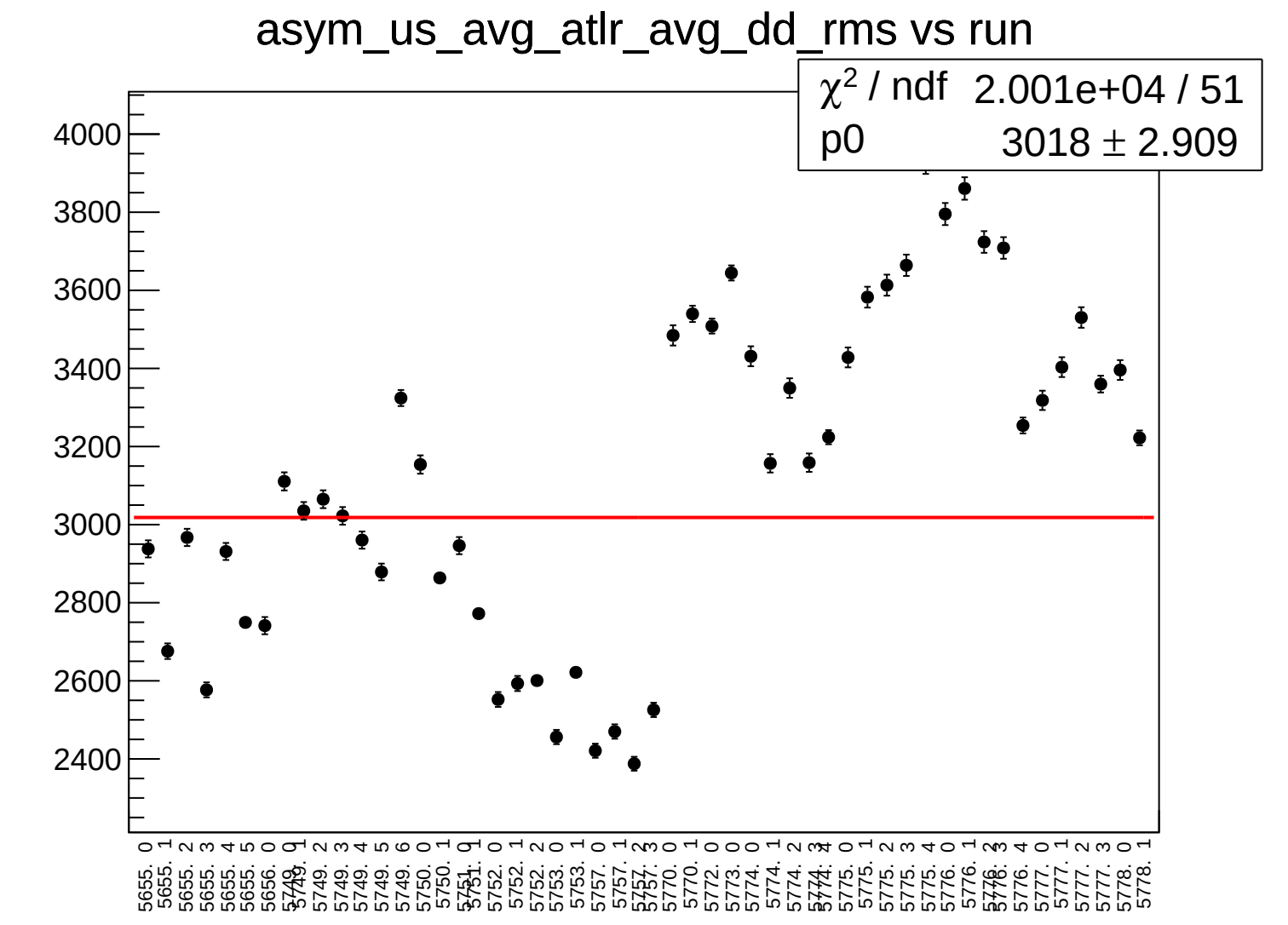

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 50.64 / 51
p0 2104 ± 3720
pull
Entries 52
Mean 39.3
Std Dev 44.44

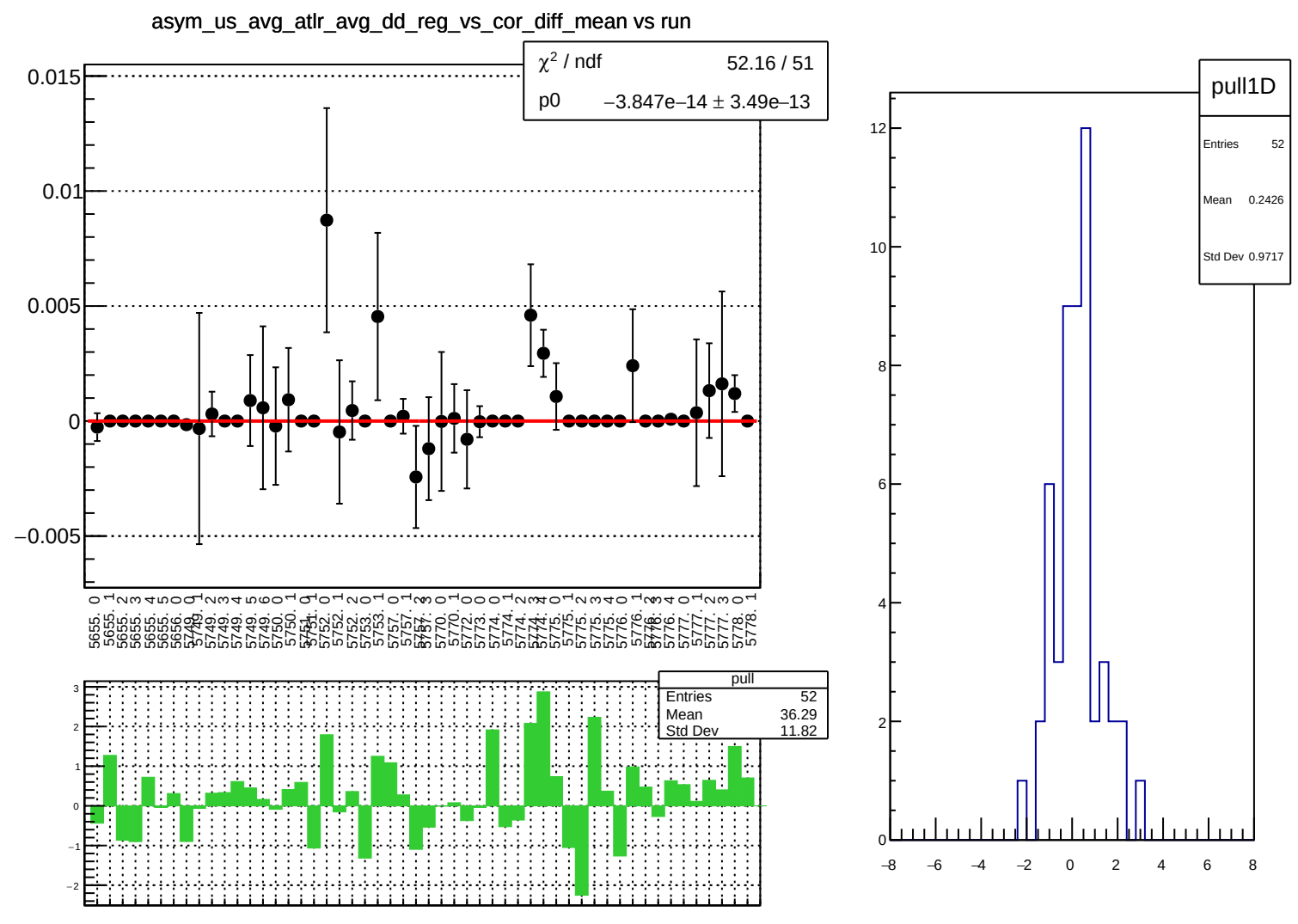

pull1D
Entries 52
Mean −0.01902
Std Dev 0.9866

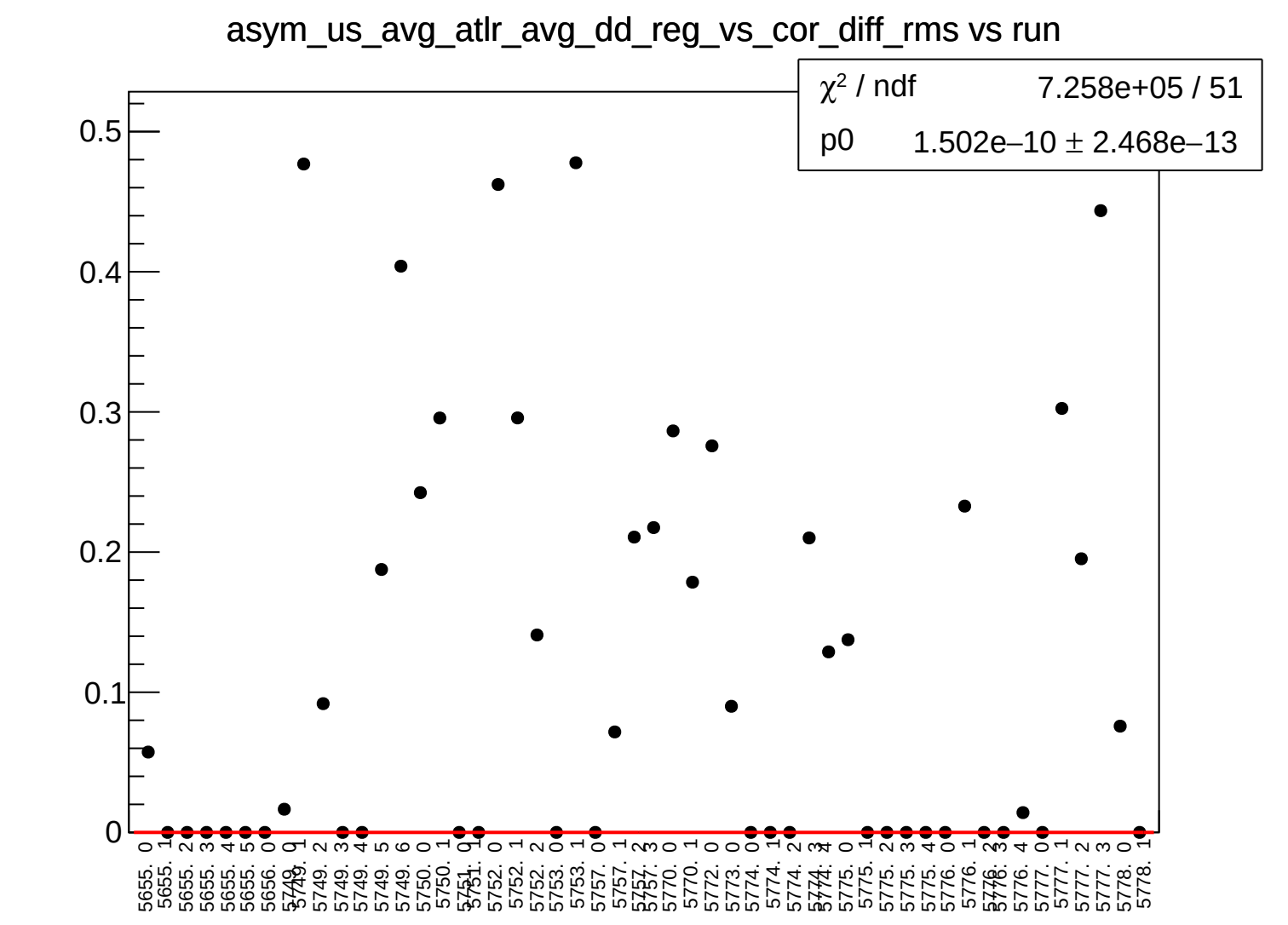

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.933e+04 / 51
p0 2717 ± 2.631
3600
3400
3200
3000
2800
2600
2400
2200
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

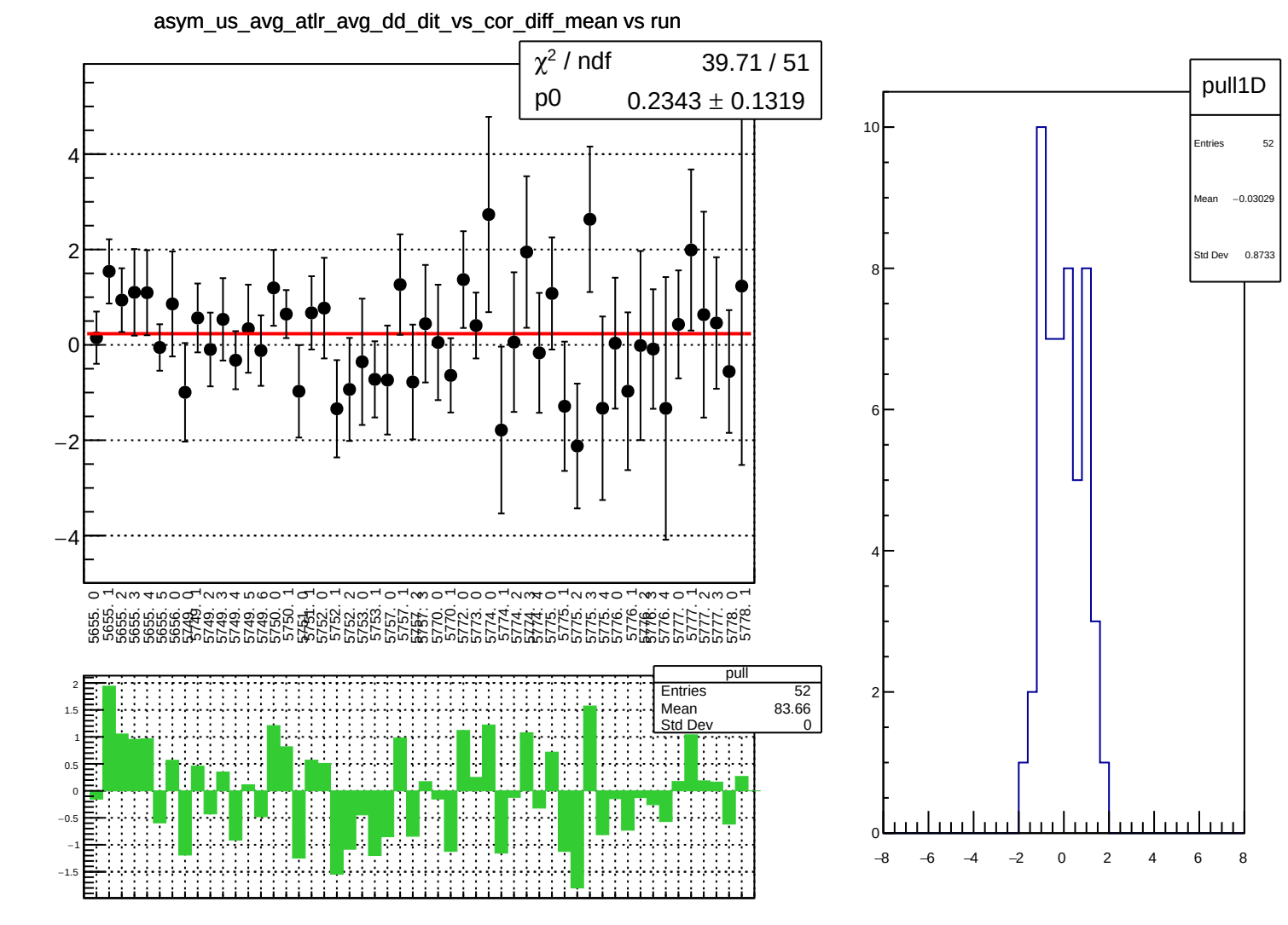

asym_us_avg_atlr_avg_dd_mean vs run
×10^3
χ² / ndf 48.74 / 51
p0 −227.4 ± 4114
100
50
0
−50
−100
pull
Entries 52
Mean 55.83
Std Dev 55.01
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

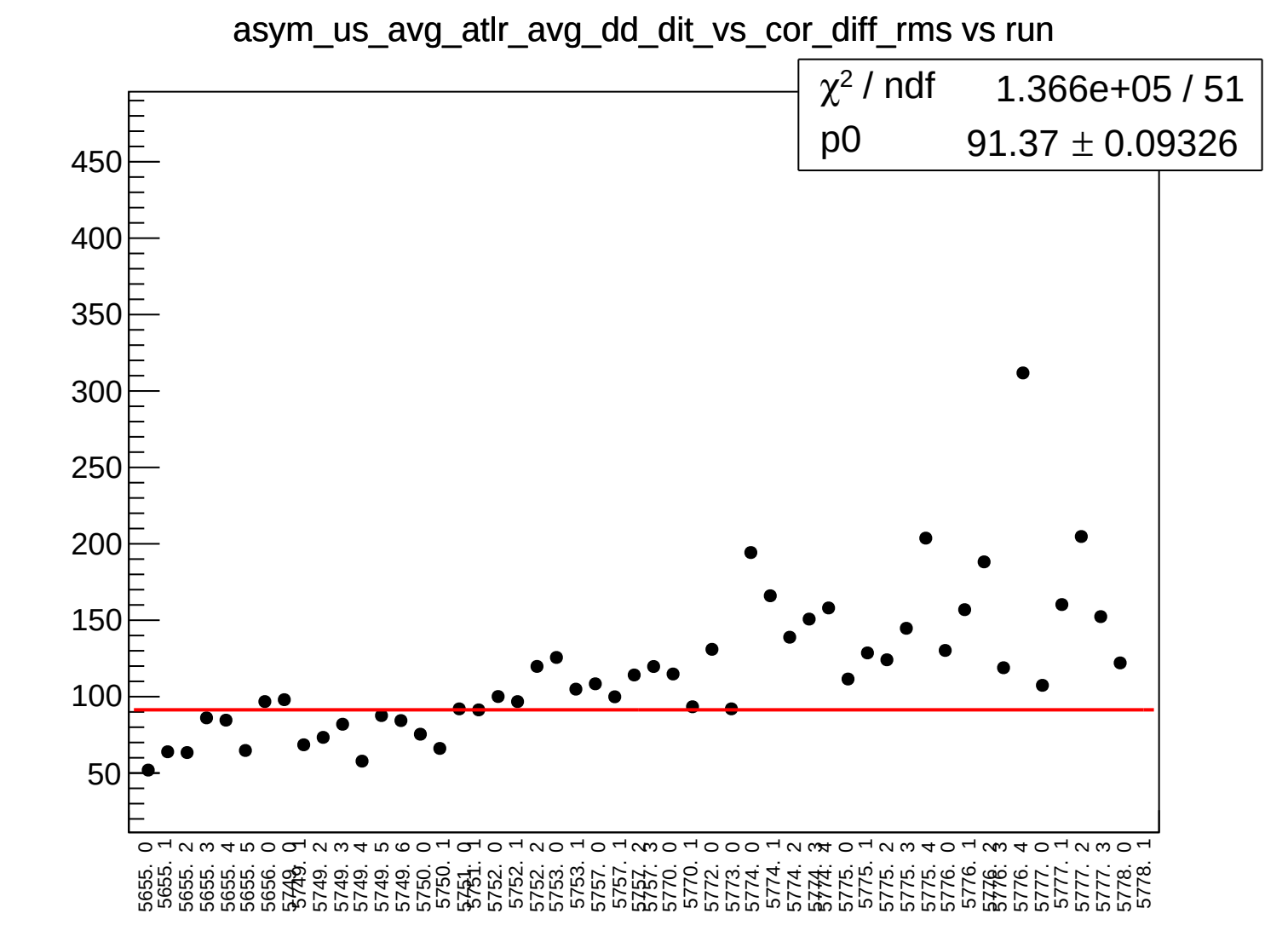

pull1D
Entries 52
Mean 0.01634
Std Dev 0.968
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

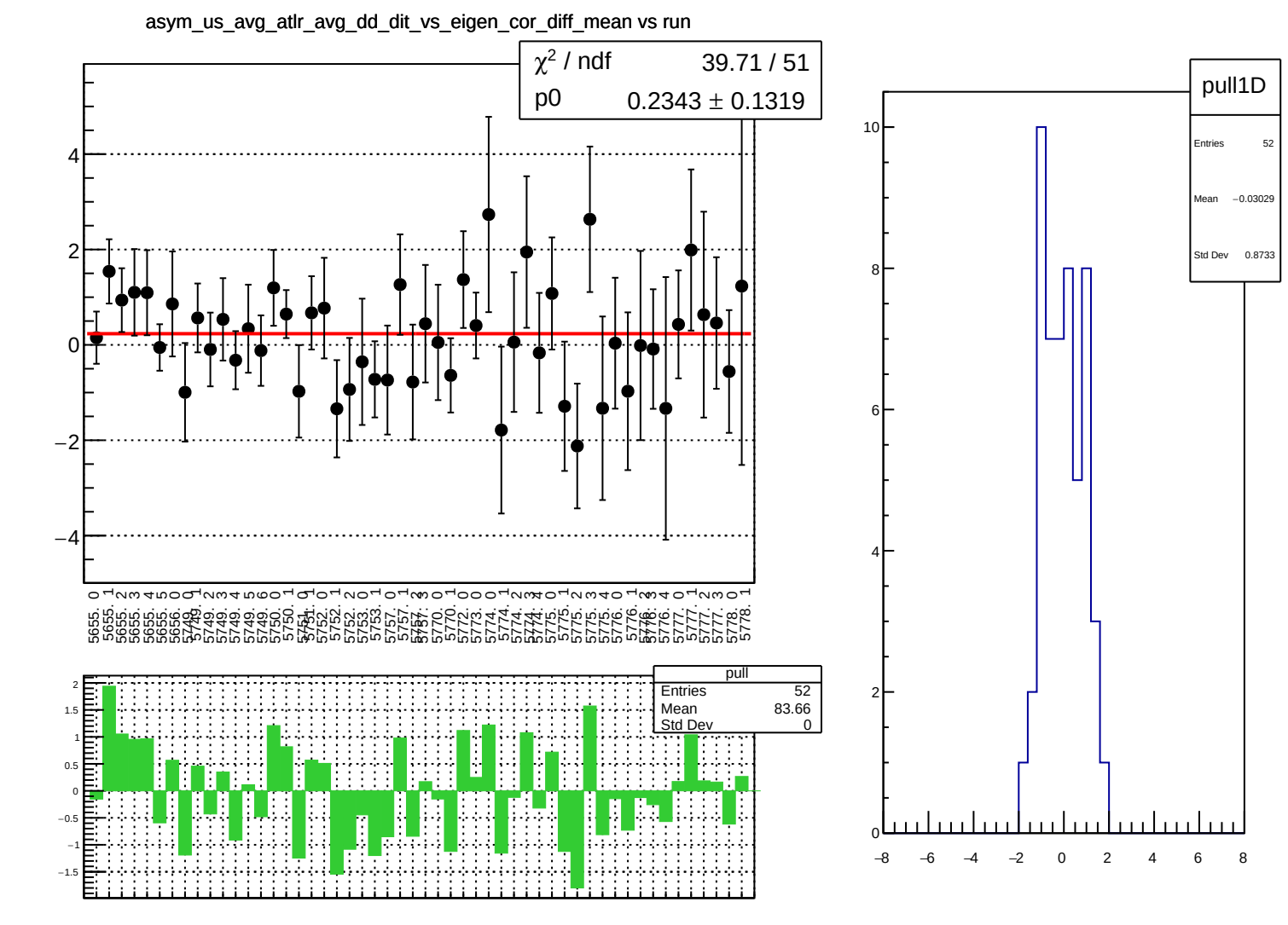

asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 2.001e+04 / 51
p0 3018 ± 2.909
4000
3800
3600
3400
3200
3000
2800
2600
2400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

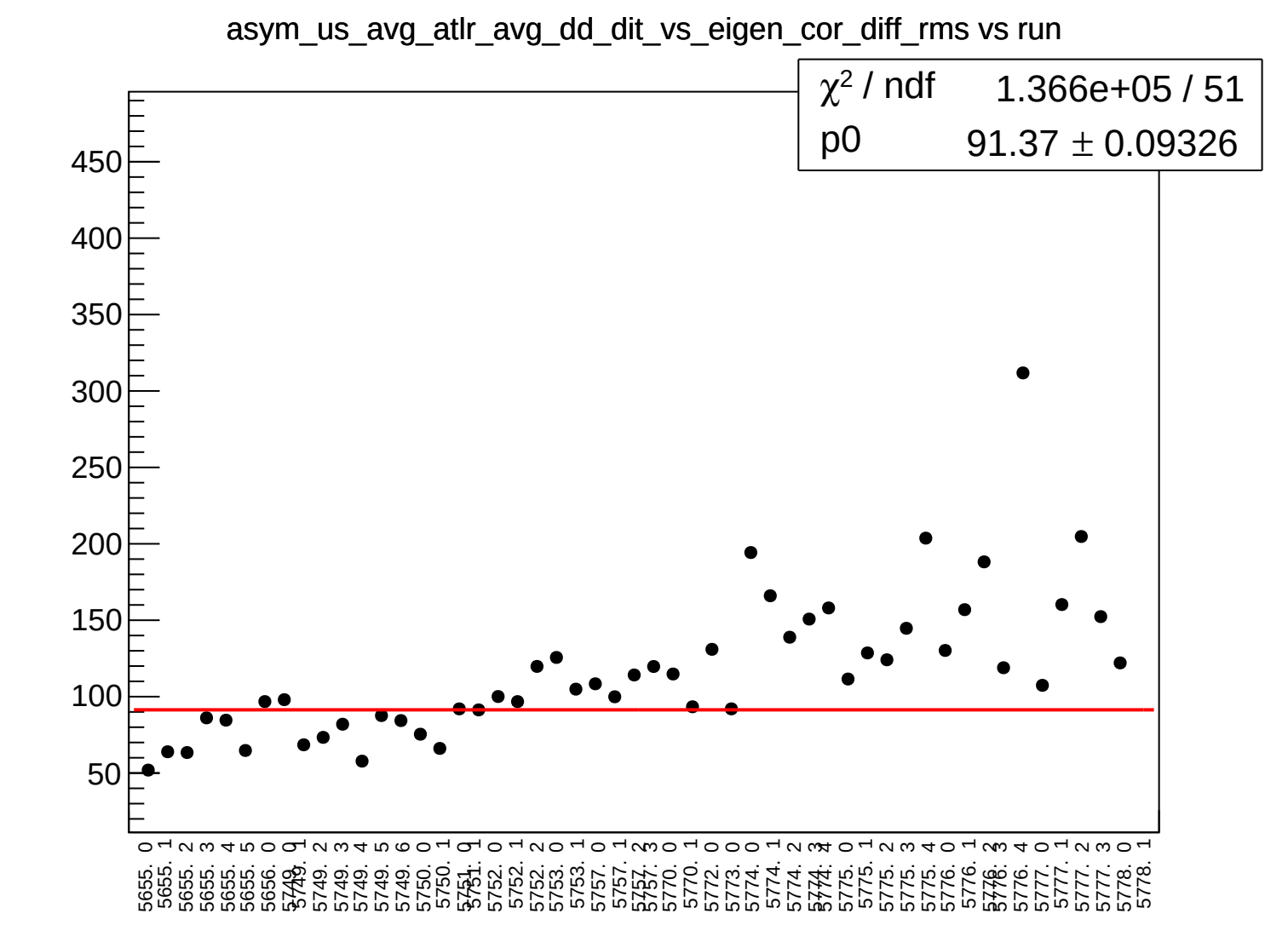

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 52.16 / 51
p0 −3.847e−14 ± 3.49e−13
0.015
0.01
0.005
0
−0.005
pull
Entries 52
Mean 36.29
Std Dev 11.82
pull1D
Entries 52
Mean 0.2426
Std Dev 0.9717

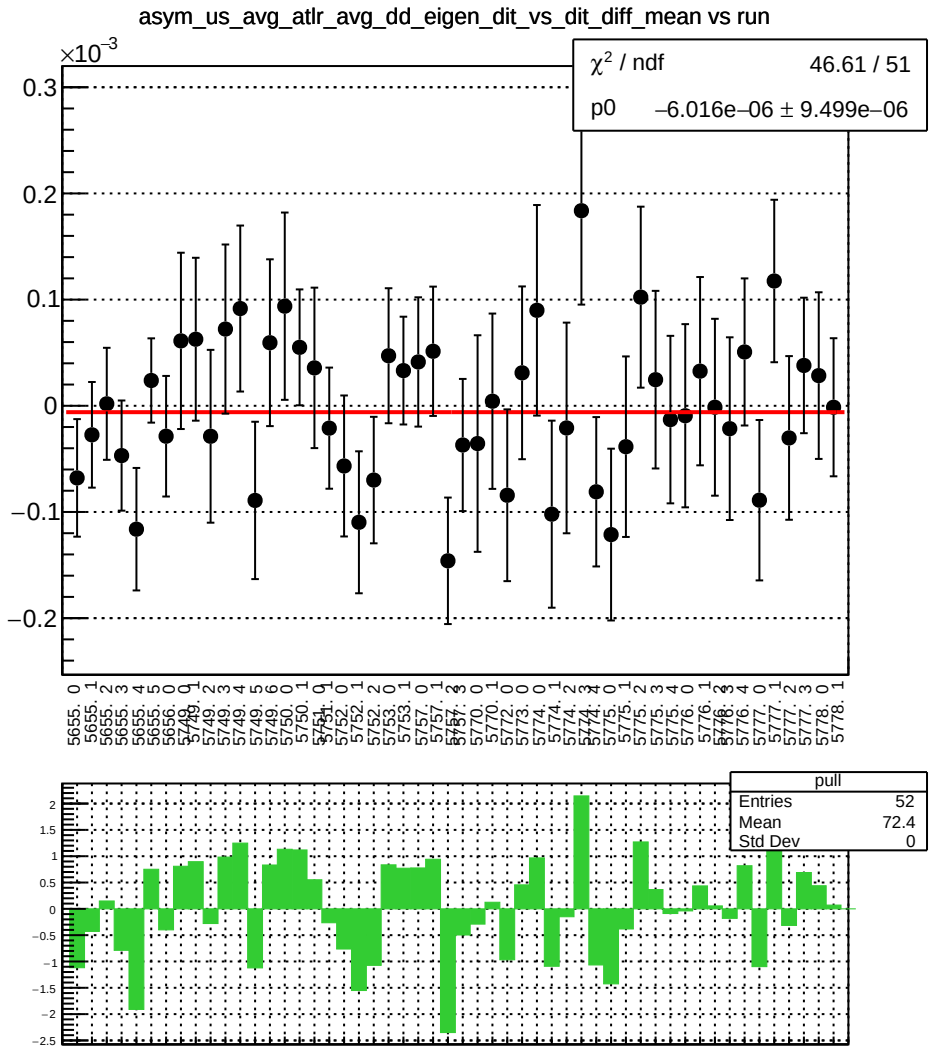

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.258e+05 / 51
p0 1.502e−10 ± 2.468e−13
0.5
0.4
0.3
0.2
0.1
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

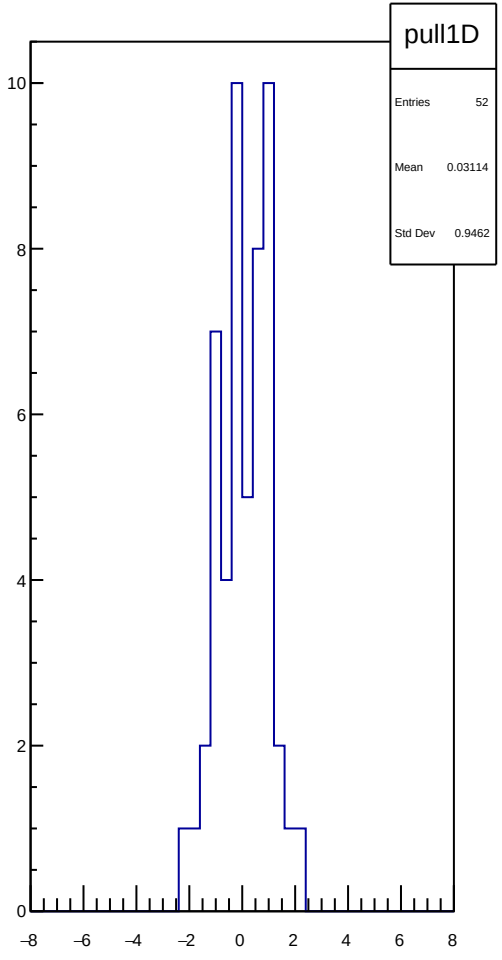

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 39.71 / 51
p0 0.2343 ± 0.1319
pull
Entries 52
Mean 83.66
Std Dev 0
pull1D
Entries 52
Mean −0.03029
Std Dev 0.8733

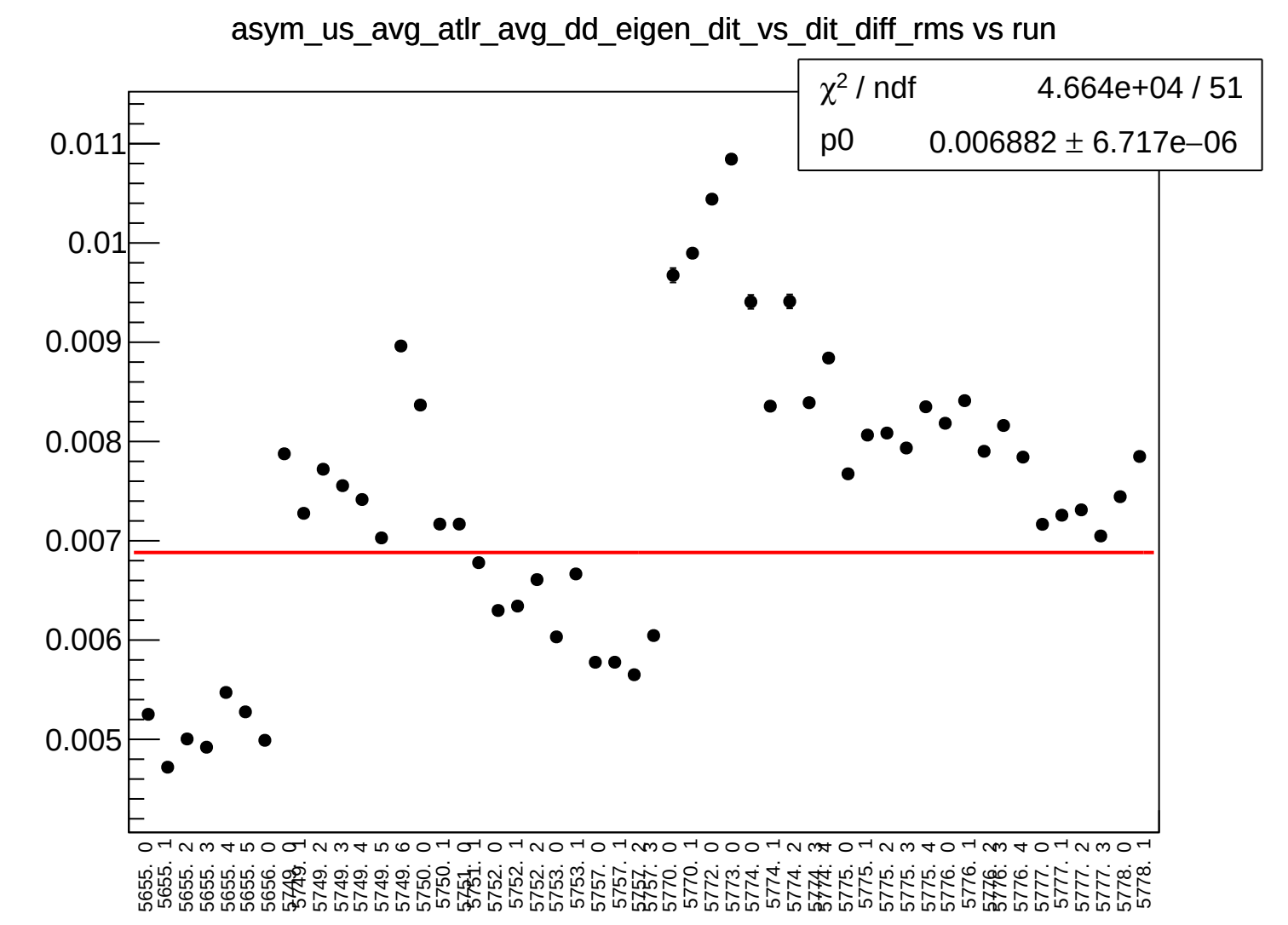

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.366e+05 / 51
p0 91.37 ± 0.09326
450
400
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

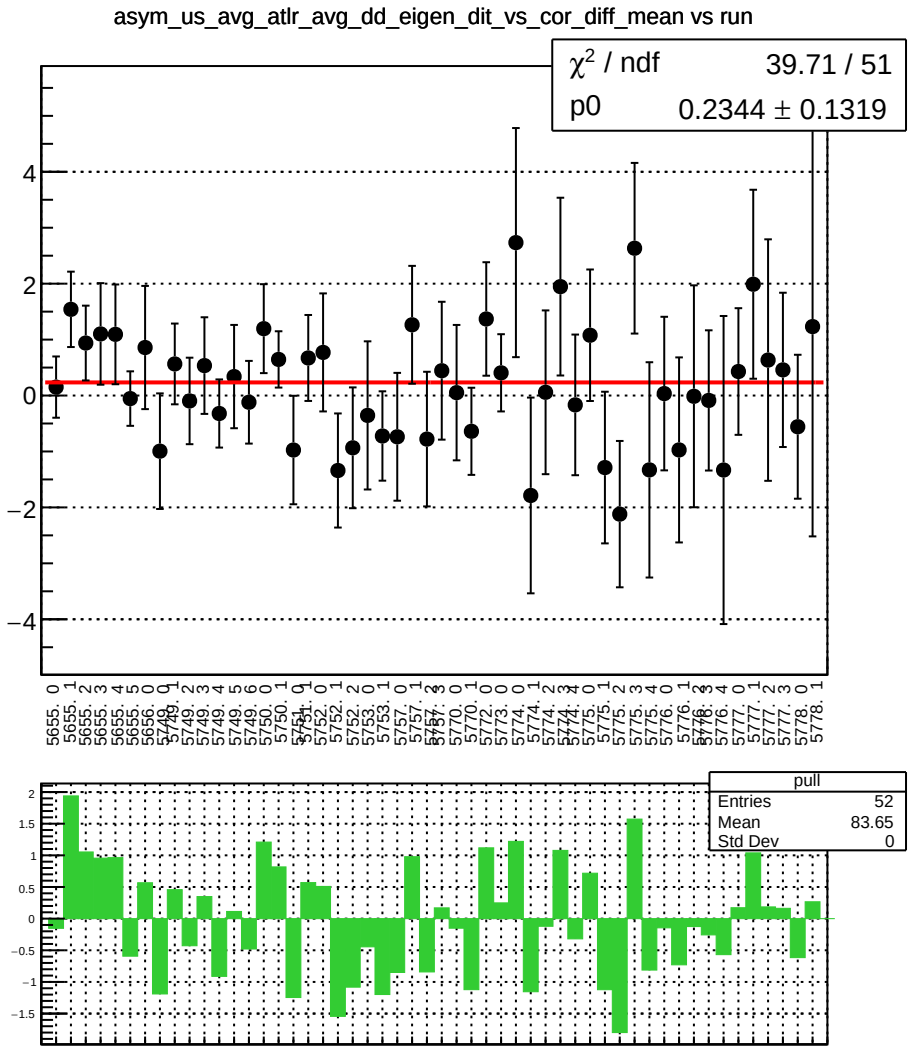

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.71 / 51
p0 0.2343 ± 0.1319
pull
Entries 52
Mean 83.66
Std Dev 0
pull1D
Entries 52
Mean −0.03029
Std Dev 0.8733

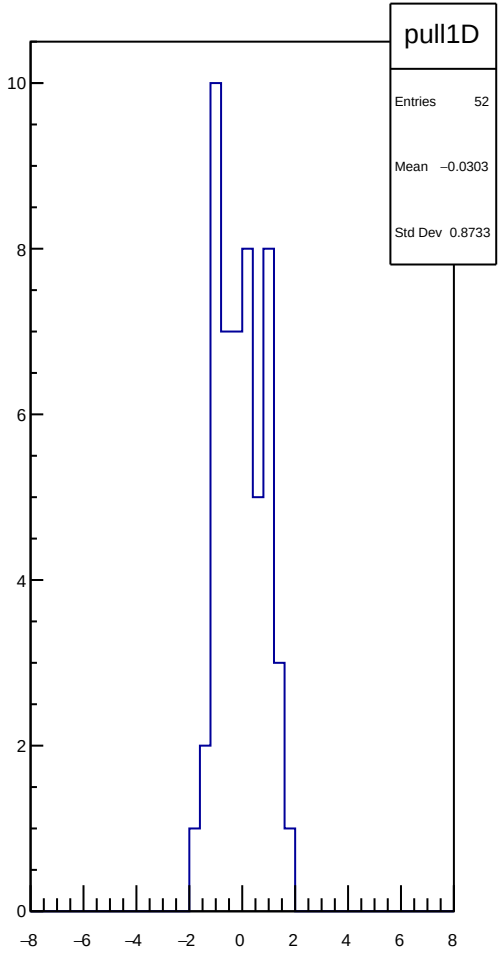

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.366e+05 / 51
p0 91.37 ± 0.09326
450
400
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

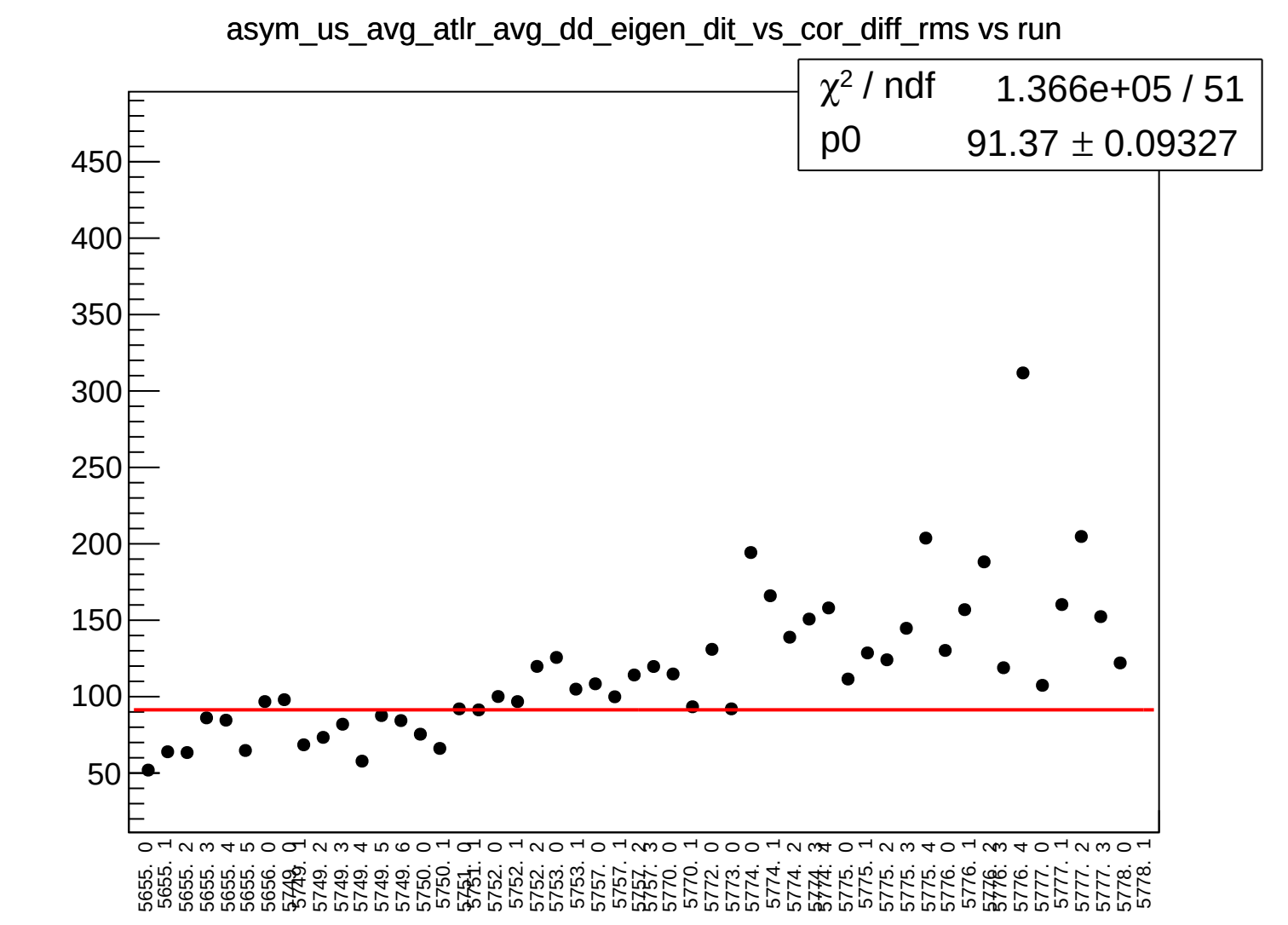

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 46.61 / 51
p0 −6.016e−06 ± 9.499e−06
pull
Entries 52
Mean 72.4
Std Dev 0


pull1D
Entries 52
Mean 0.03114
Std Dev 0.9462

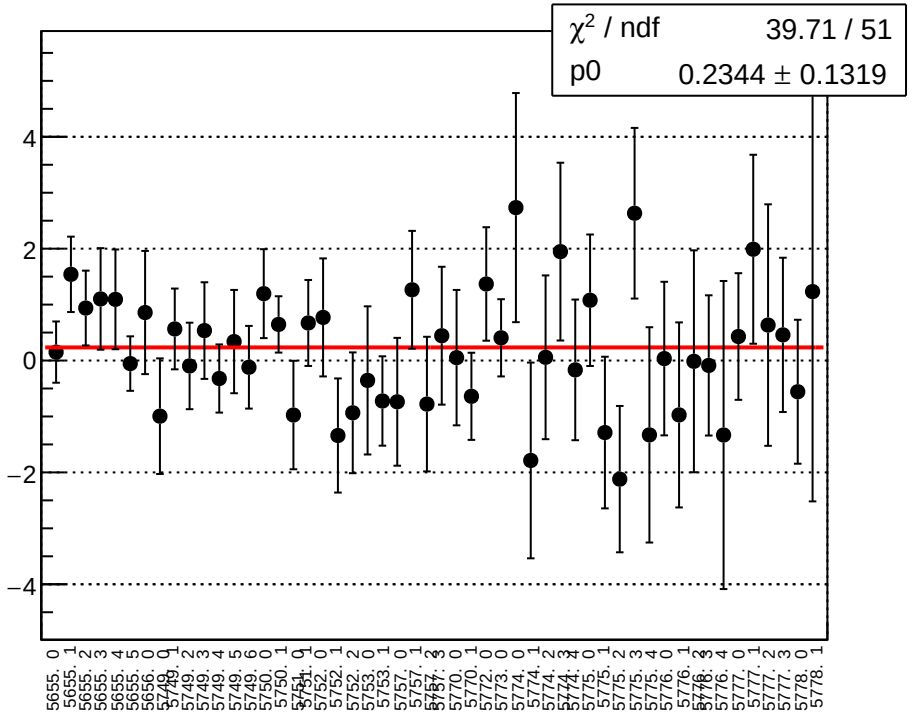

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.664e+04 / 51
p0 0.006882 ± 6.717e−06
0.011
0.01
0.009
0.008
0.007
0.006
0.005
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

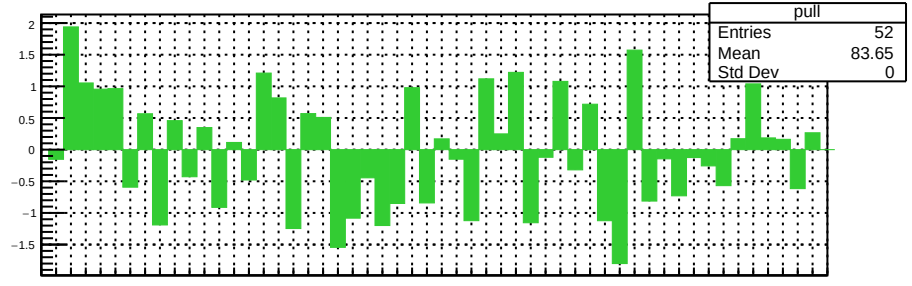

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 39.71 / 51
p0 0.2344 ± 0.1319
pull
Entries 52
Mean 83.65
Std Dev 0

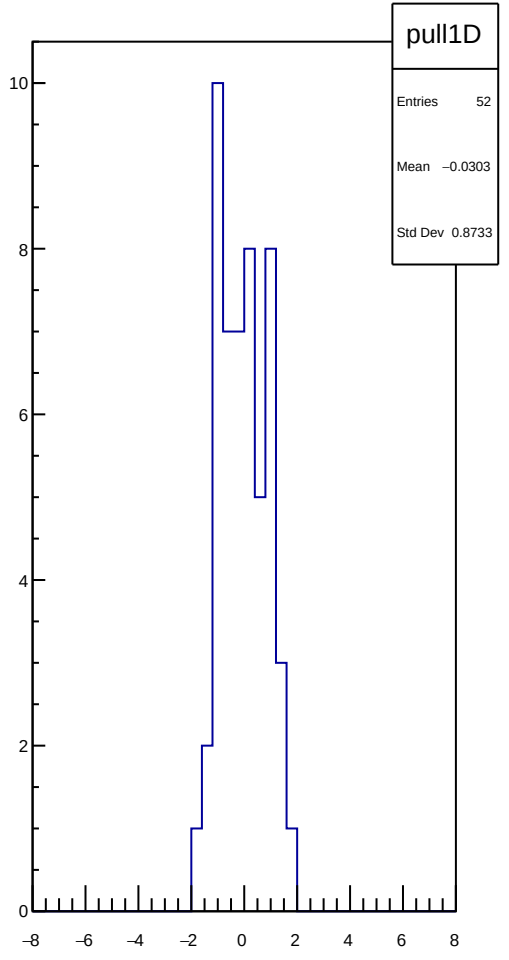

pull1D
Entries 52
Mean −0.0303
Std Dev 0.8733

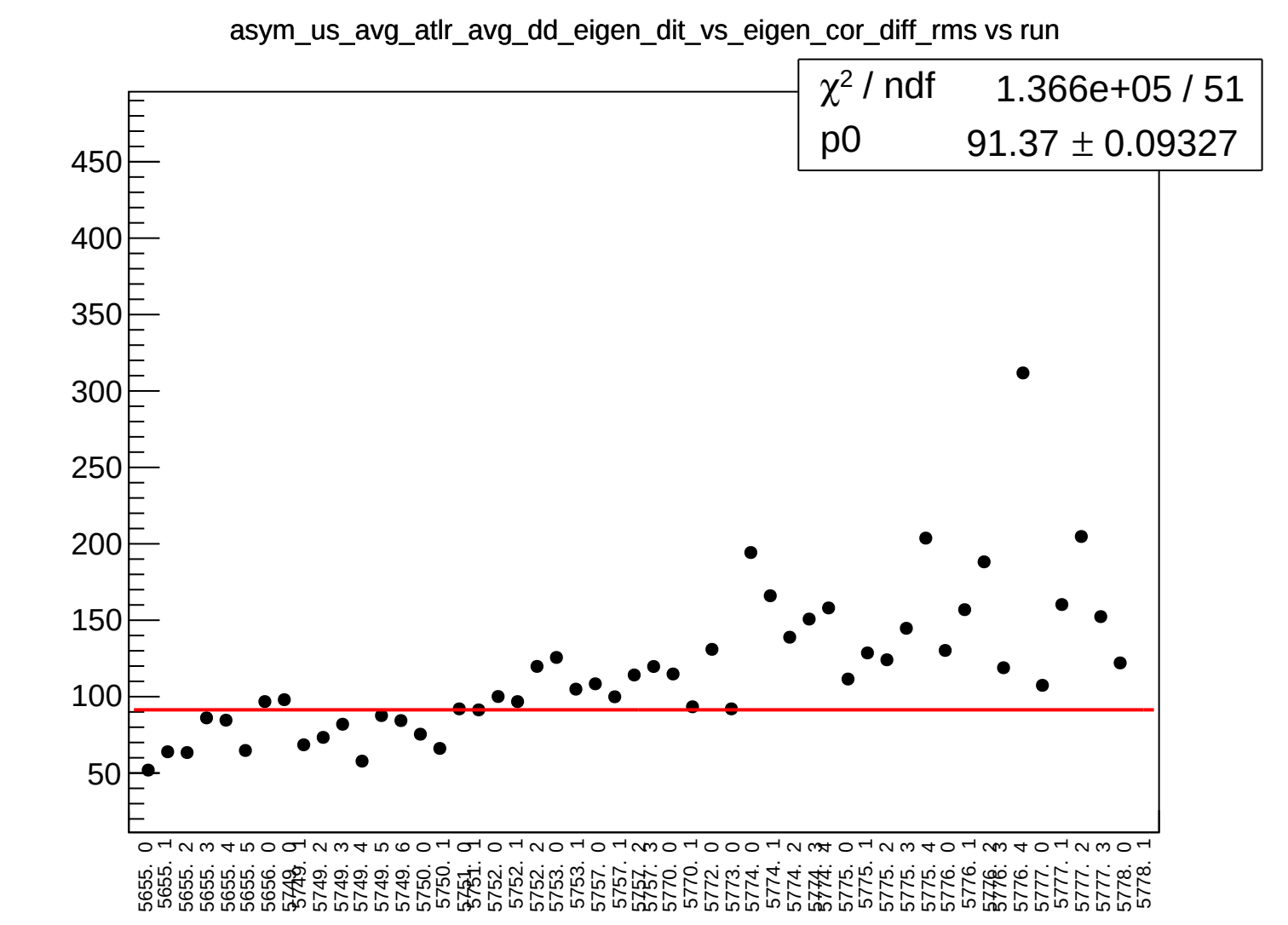

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.366e+05 / 51
p0 91.37 ± 0.09327
450
400
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

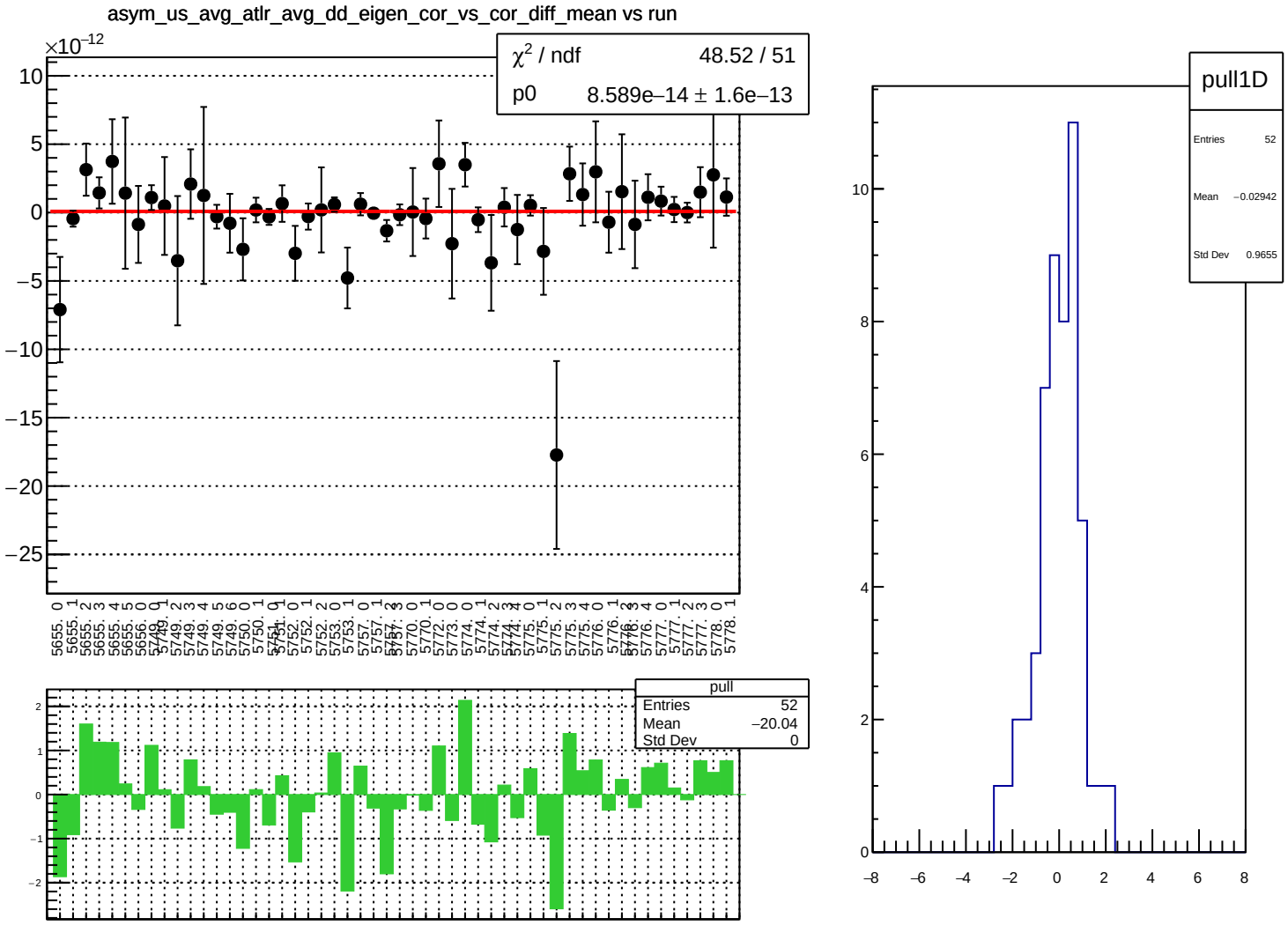
asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

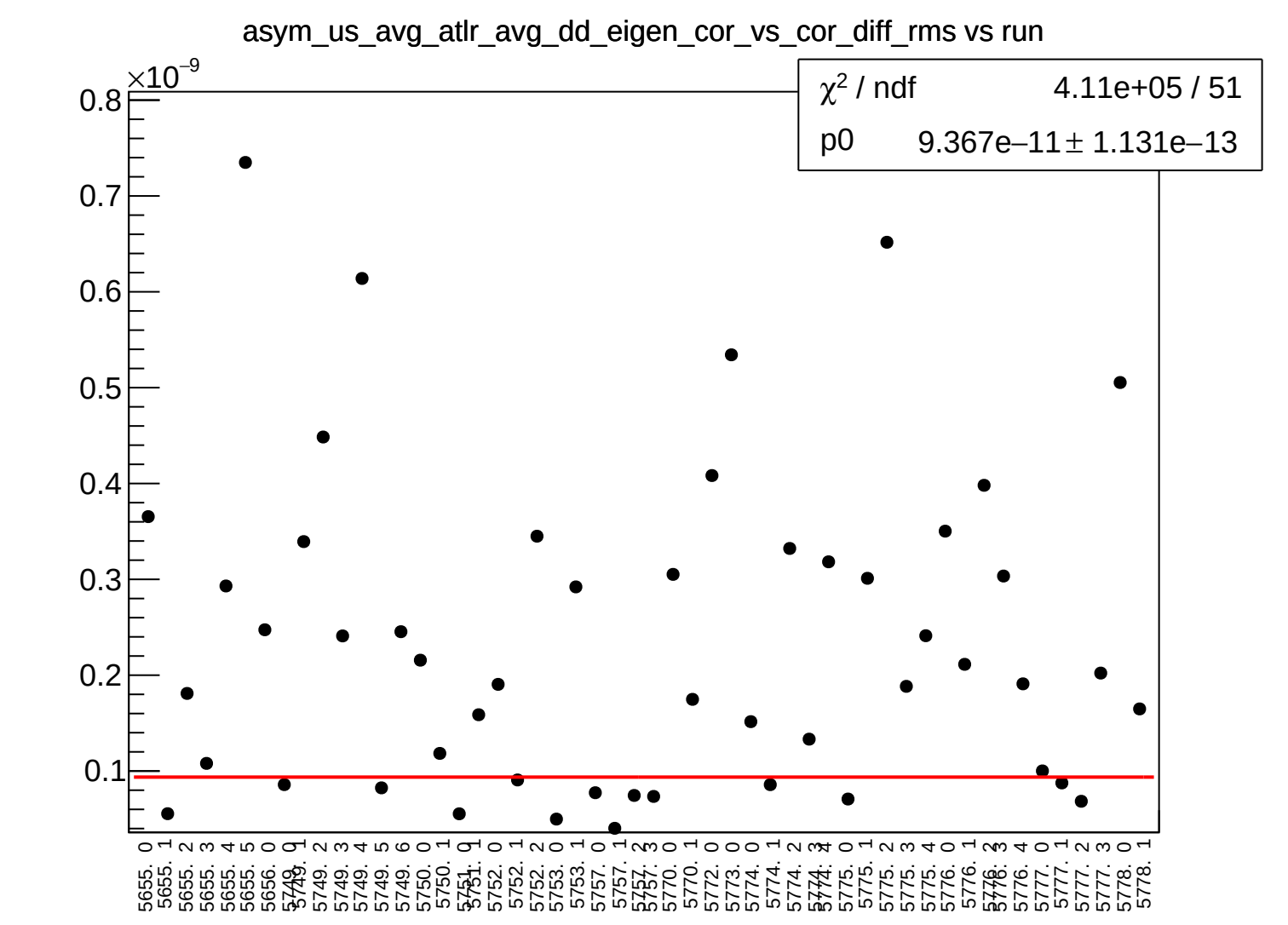


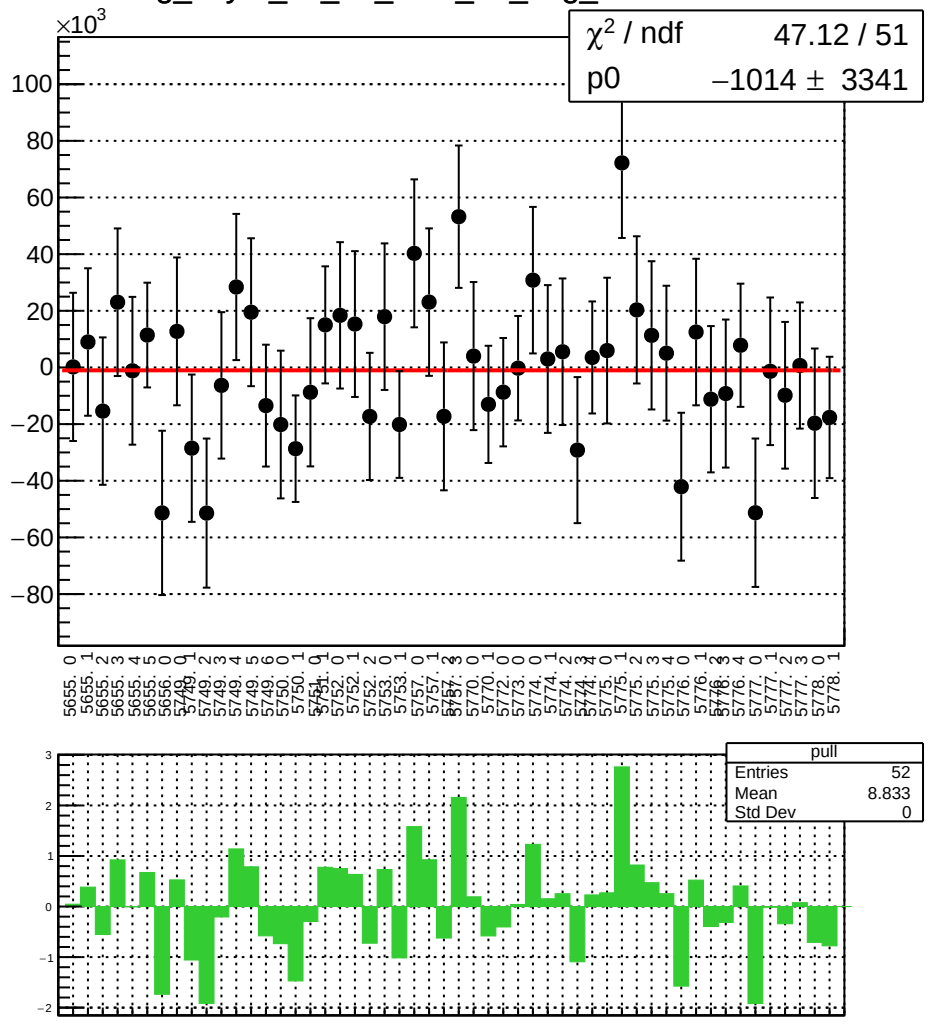


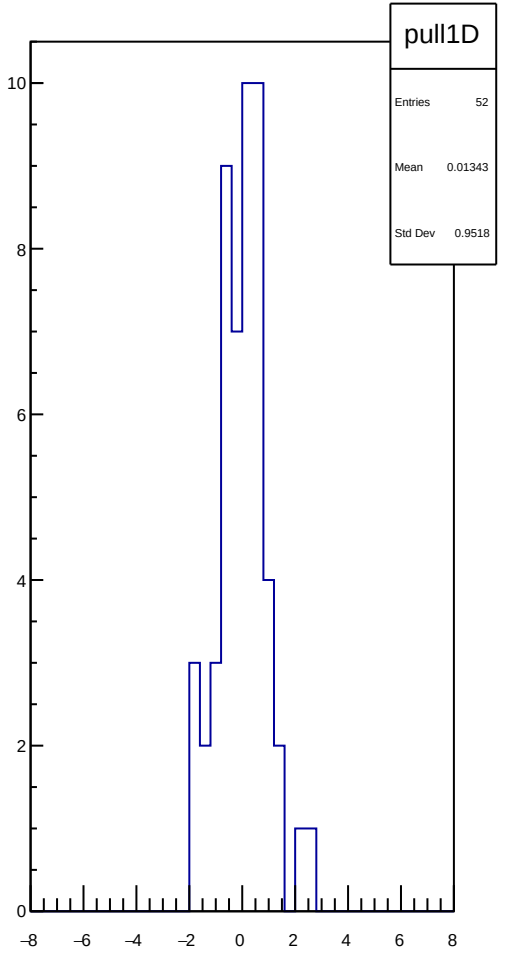


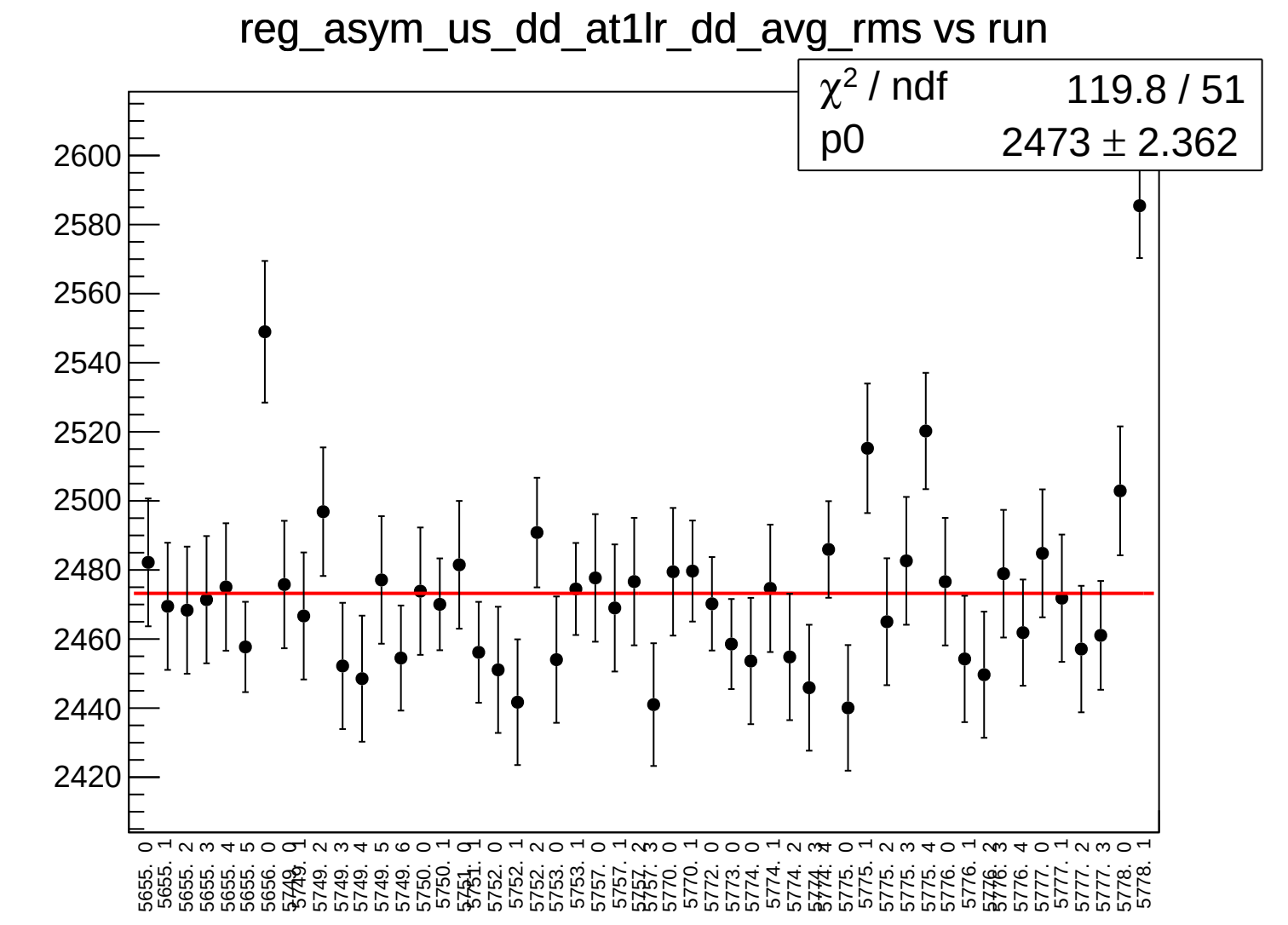

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.366e+05 / 51
p0 91.37 ± 0.09327
450
400
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.52 / 51
p0 8.589e−14 ± 1.6e−13
pull
Entries 52
Mean −20.04
Std Dev 0
pull1D
Entries 52
Mean −0.02942
Std Dev 0.9655


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.11e+05 / 51
p0 9.367e−11 ± 1.131e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


reg_asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ² / ndf 47.12 / 51
p0 −1014 ± 3341
pull
Entries 52
Mean 8.833
Std Dev 0


pull1D
Entries 52
Mean 0.01343
Std Dev 0.9518


reg_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 119.8 / 51
p0 2473 ± 2.362
2600
2580
2560
2540
2520
2500
2480
2460
2440
2420
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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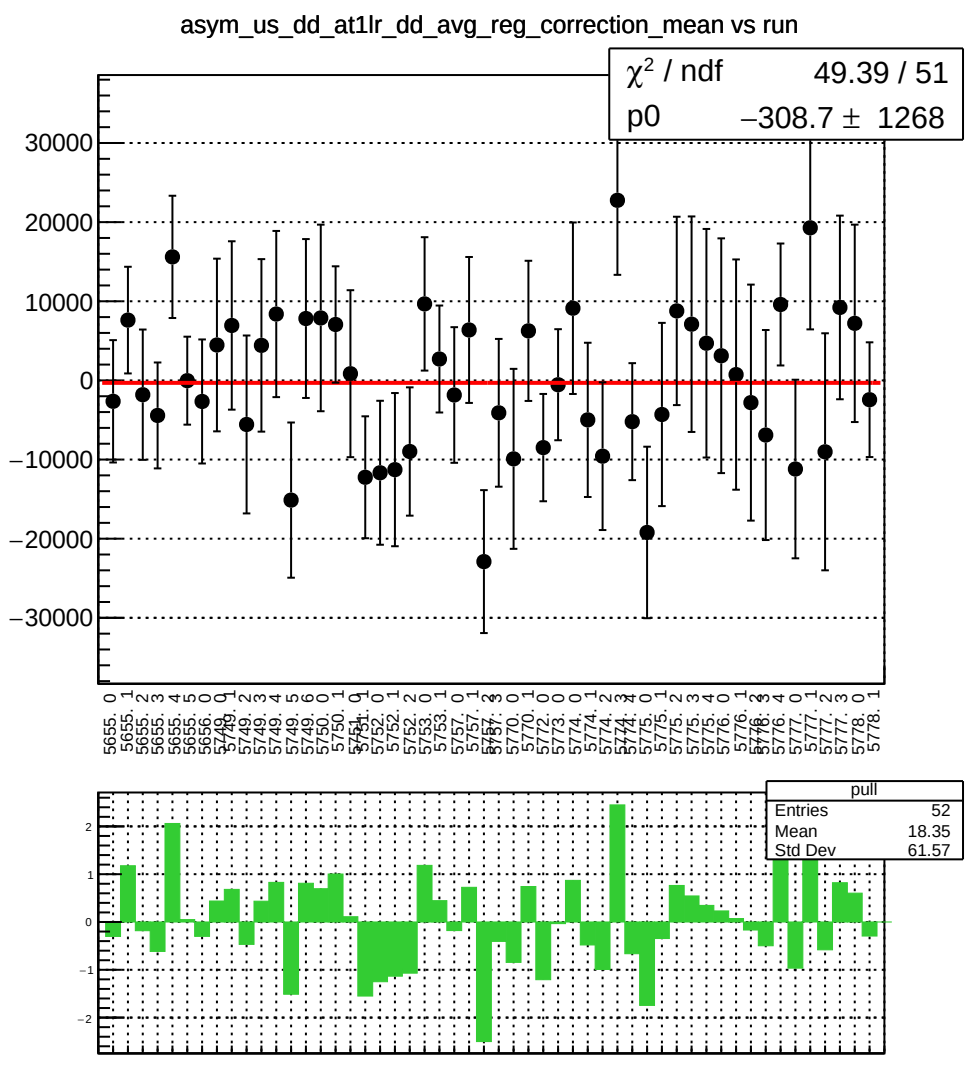
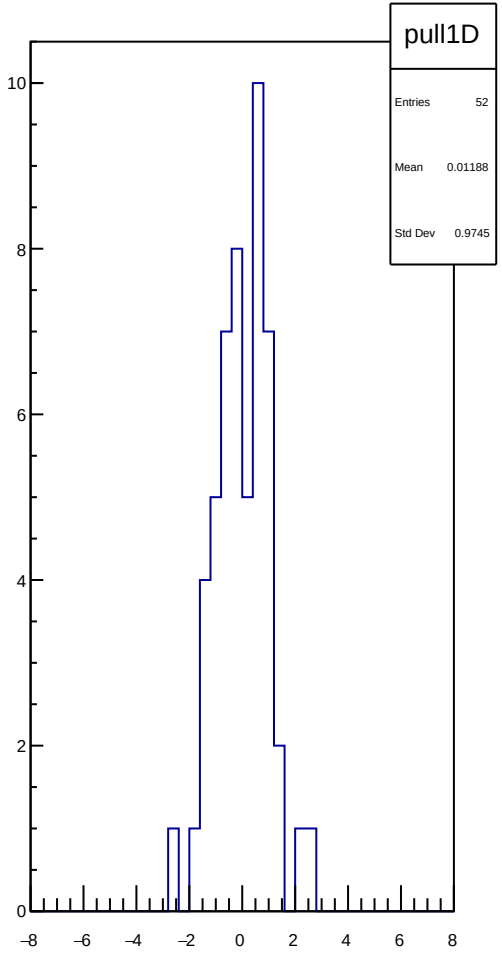
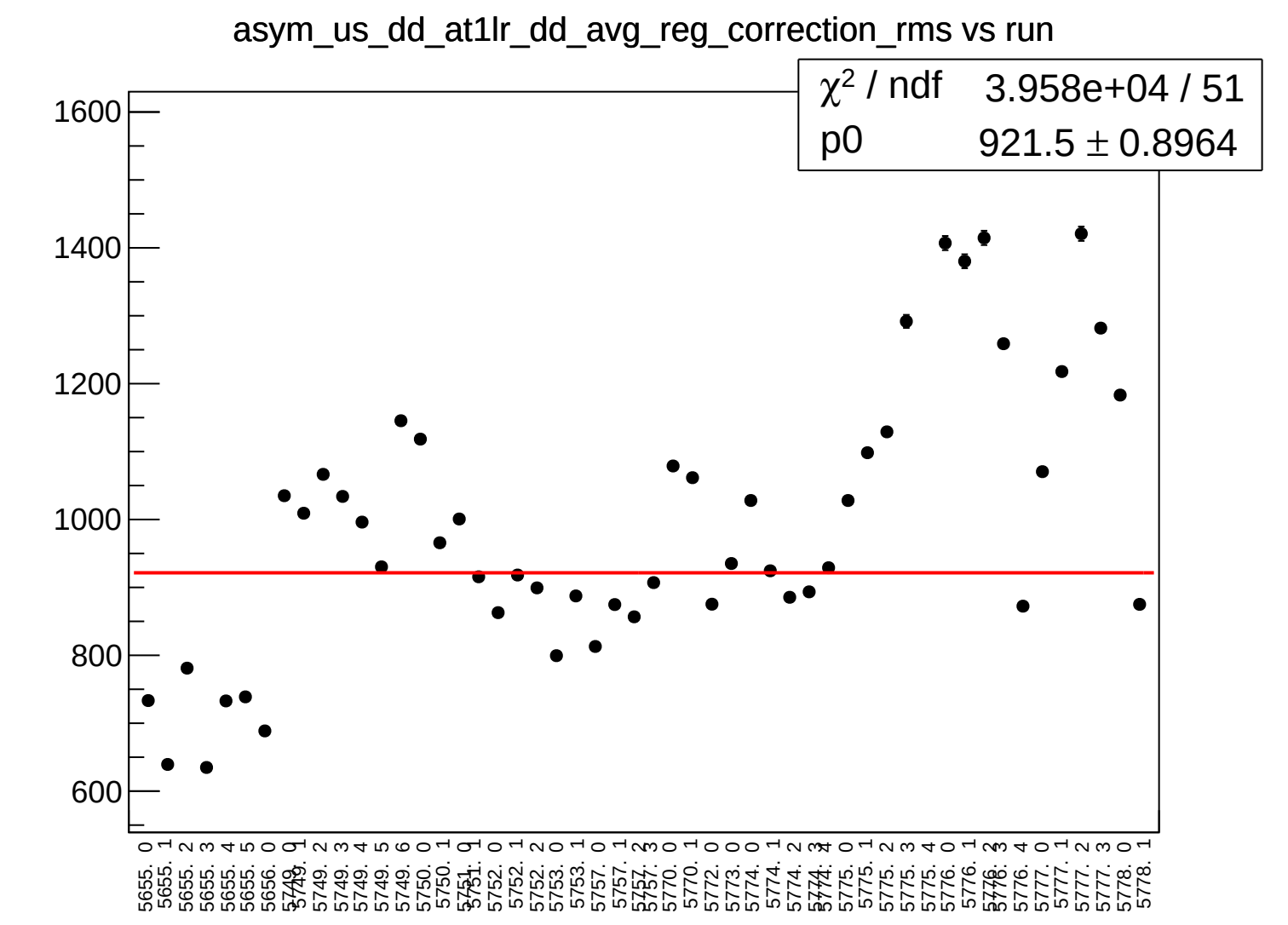
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_dd_at1lr_dd_avg_reg_correction_mean vs run
χ² / ndf 49.39 / 51
p0 −308.7 ± 1268
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean 18.35
Std Dev 61.57
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.01188
Std Dev 0.9745
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at1lr_dd_avg_reg_correction_rms vs run
χ² / ndf 3.958e+04 / 51
p0 921.5 ± 0.8964
1600
1400
1200
1000
800
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5775. 2
5775. 3
5775. 4
5776. 0
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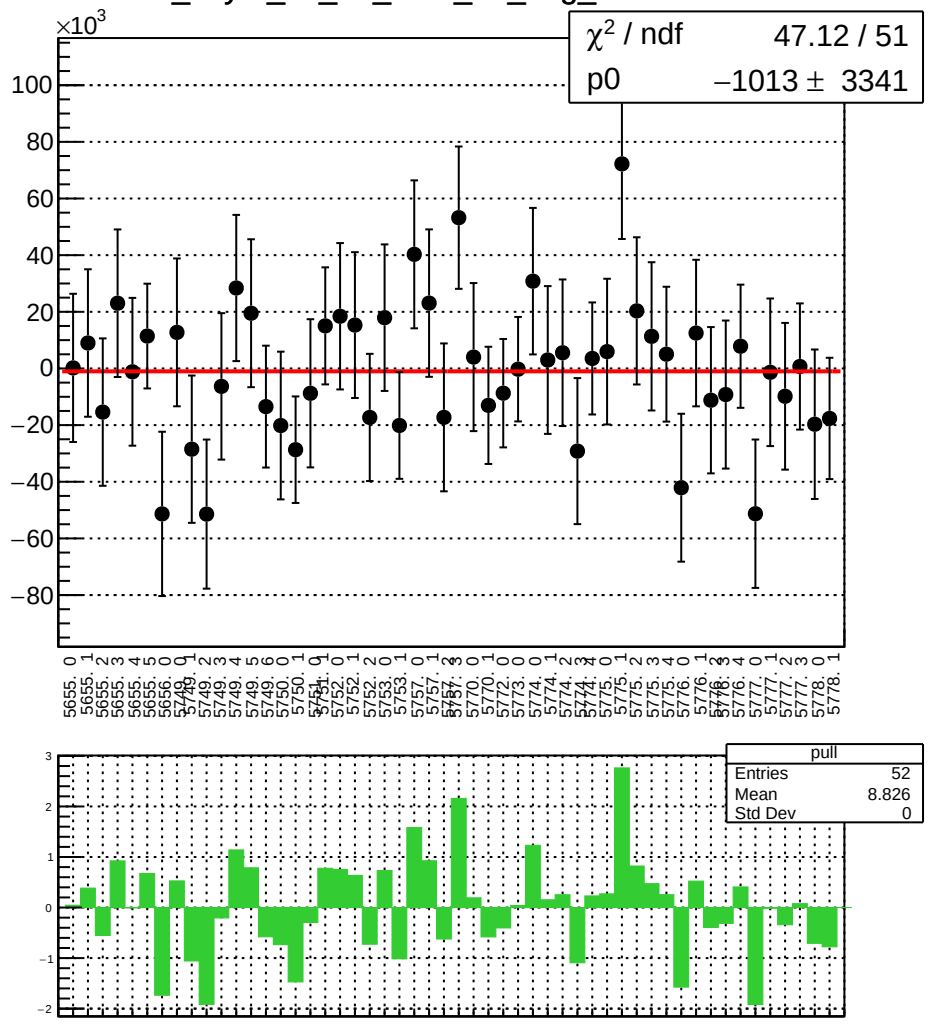
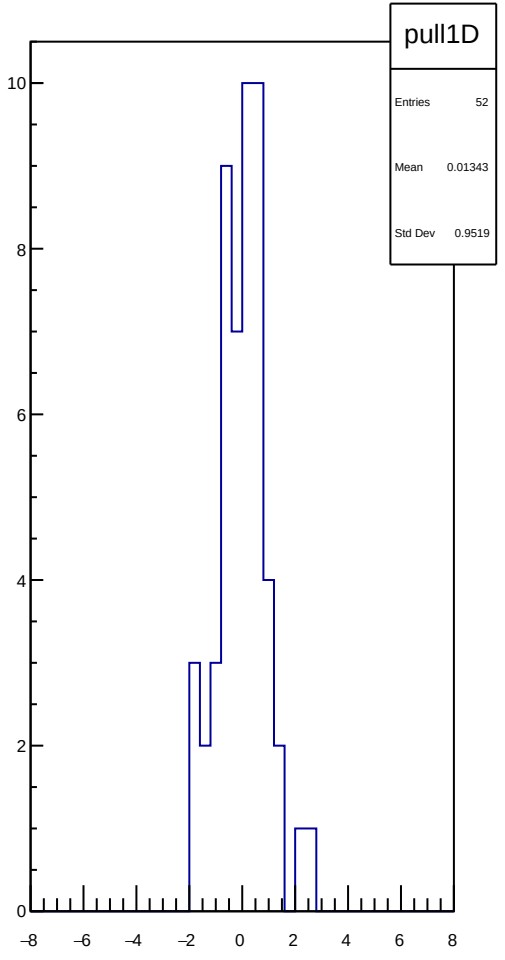
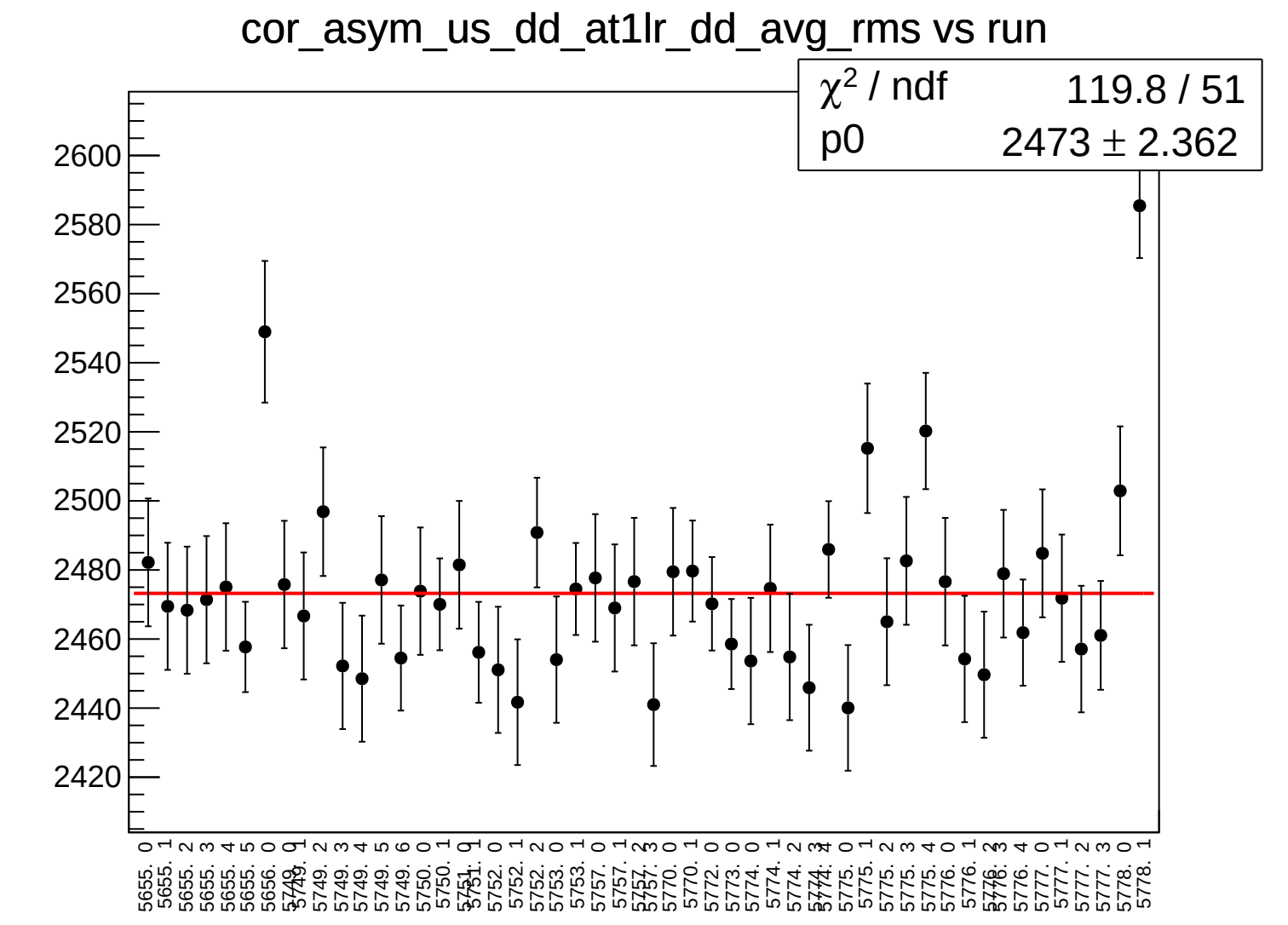
5778. 1


cor_asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ² / ndf 47.12 / 51
p0 −1013 ± 3341
pull
Entries 52
Mean 8.826
Std Dev 0


pull1D
Entries 52
Mean 0.01343
Std Dev 0.9519


cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 119.8 / 51
p0 2473 ± 2.362
2600
2580
2560
2540
2520
2500
2480
2460
2440
2420
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5770. 1
5772. 0
5773. 0
5774. 0
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5774. 2
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5775. 1
5775. 2
5775. 3
5775. 4
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5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
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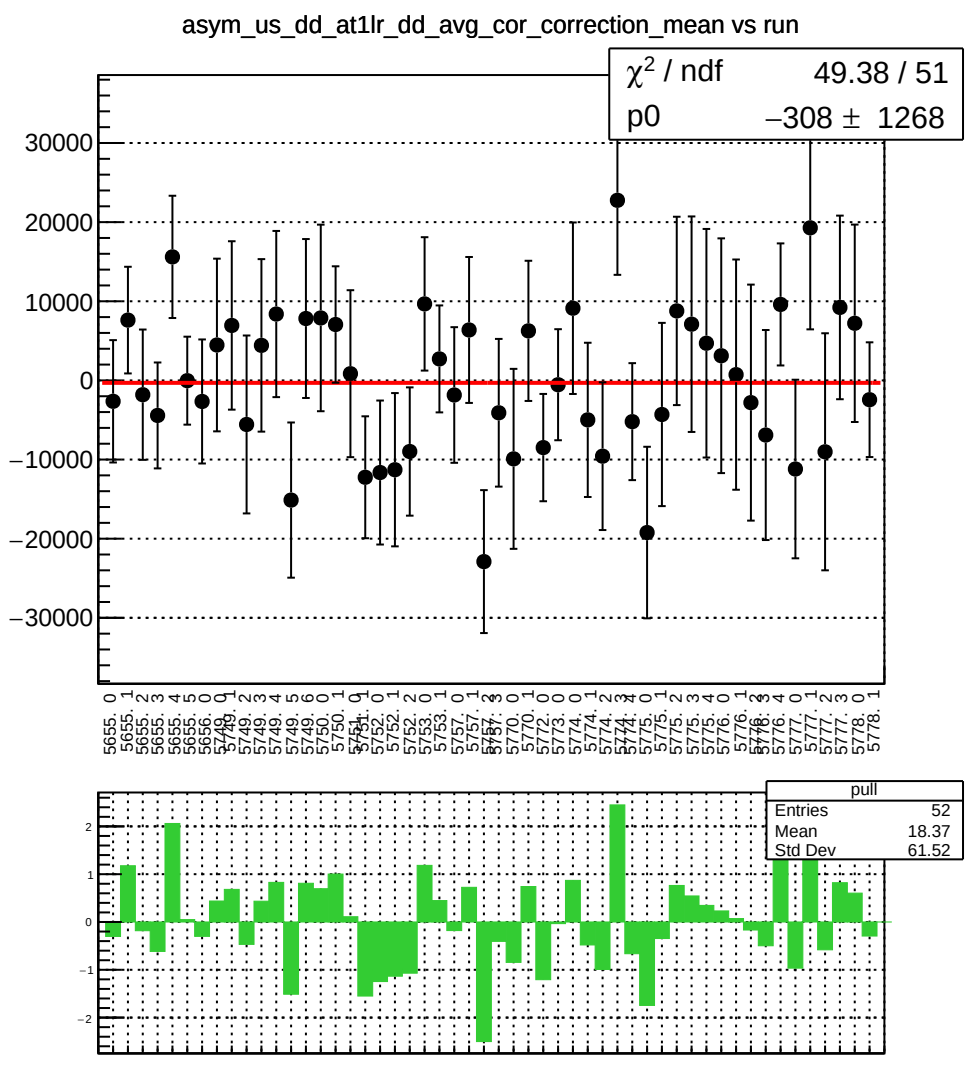
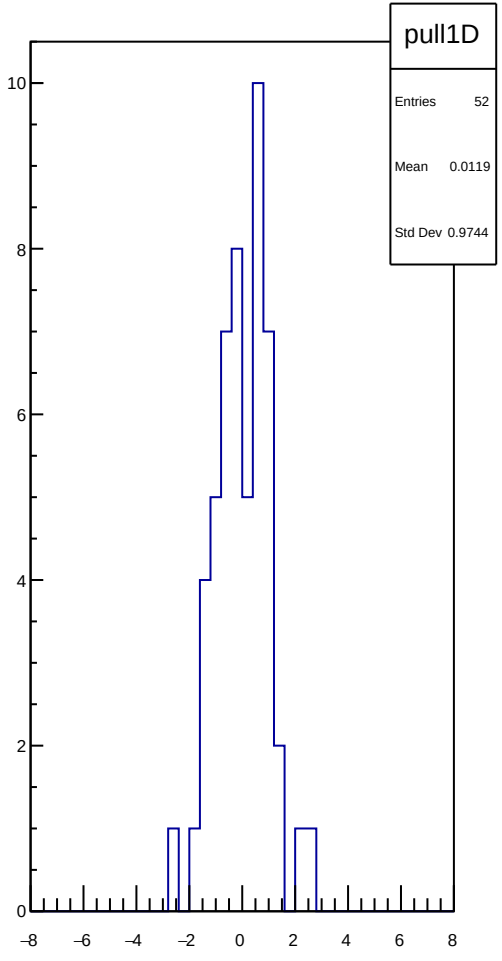
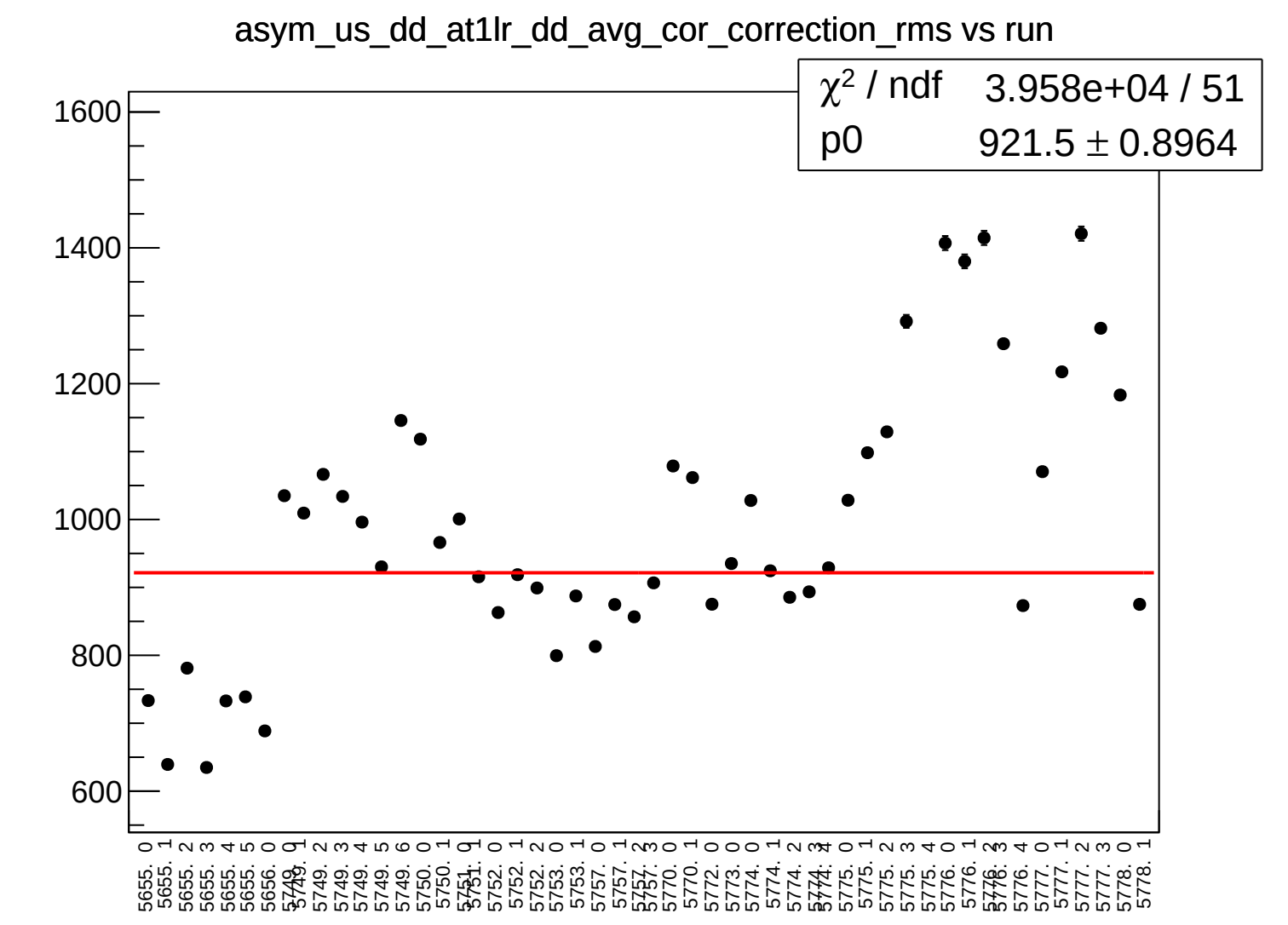
5778. 0
5778. 1


asym_us_dd_at1lr_dd_avg_cor_correction_mean vs run
χ² / ndf 49.38 / 51
p0 −308 ± 1268
pull
Entries 52
Mean 18.37
Std Dev 61.52


pull1D
Entries 52
Mean 0.0119
Std Dev 0.9744


asym_us_dd_at1lr_dd_avg_cor_correction_rms vs run
χ² / ndf 3.958e+04 / 51
p0 921.5 ± 0.8964
1600
1400
1200
1000
800
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
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5775. 4
5776. 0
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5777. 1
5777. 2
5777. 3
5778. 0
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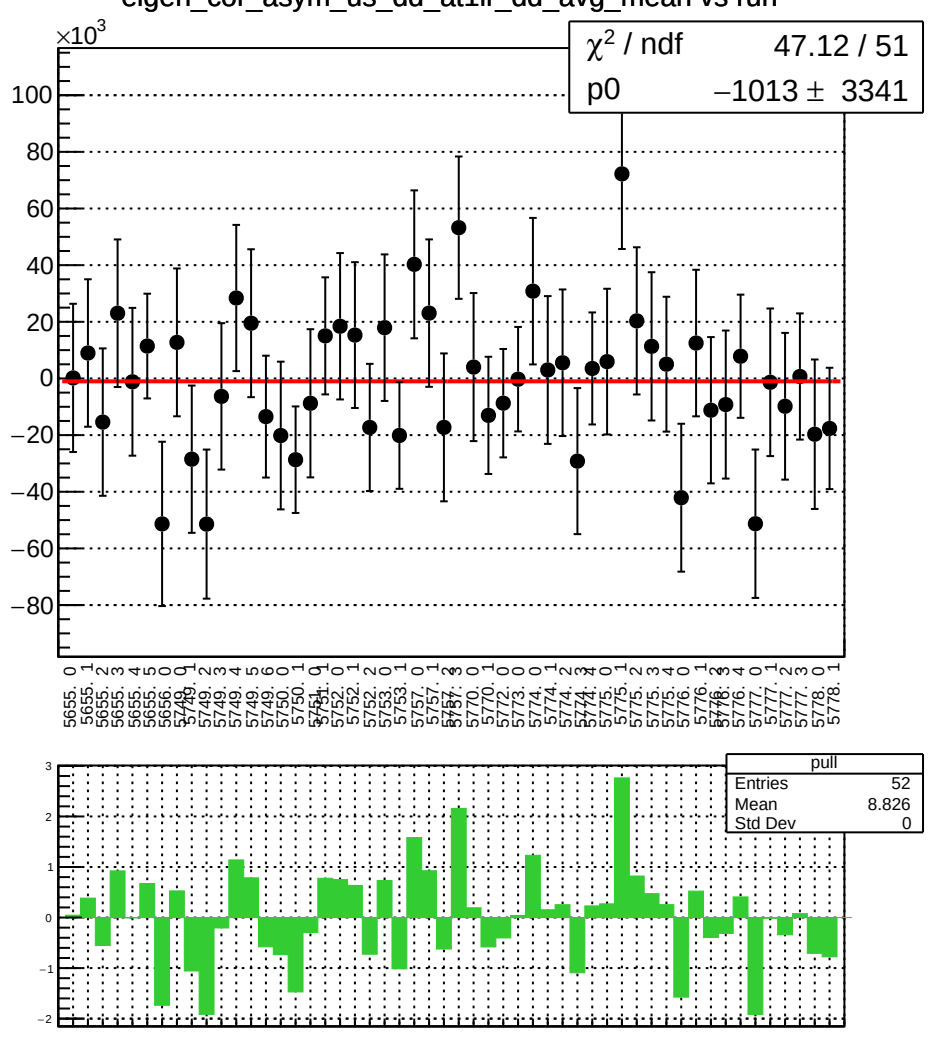
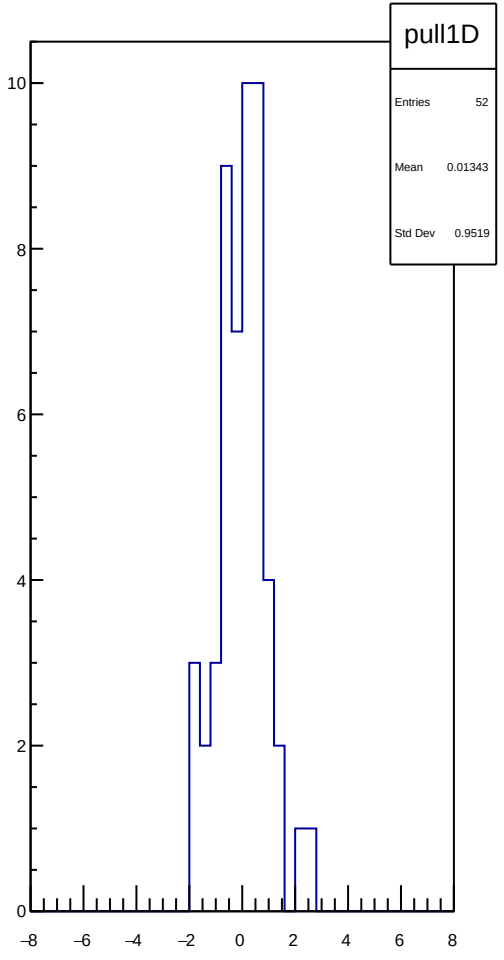
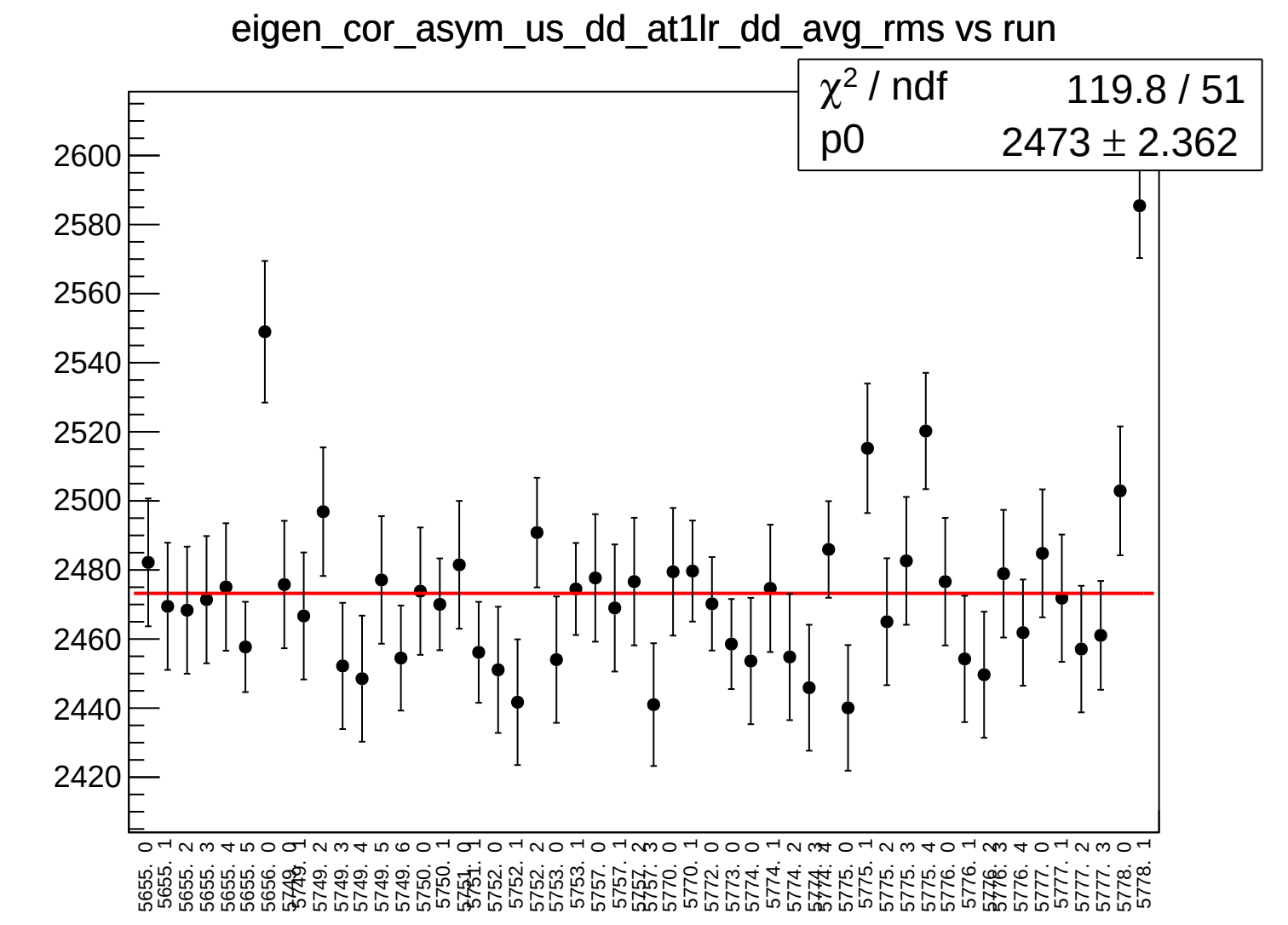

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ² / ndf 47.12 / 51
p0 −1013 ± 3341
pull
Entries 52
Mean 8.826
Std Dev 0


pull1D
Entries 52
Mean 0.01343
Std Dev 0.9519


eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 119.8 / 51
p0 2473 ± 2.362
2600
2580
2560
2540
2520
2500
2480
2460
2440
2420
5655. 0
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5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5752. 1
5752. 2
5753. 0
5753. 1
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5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
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5774. 2
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5775. 3
5775. 4
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5777. 2
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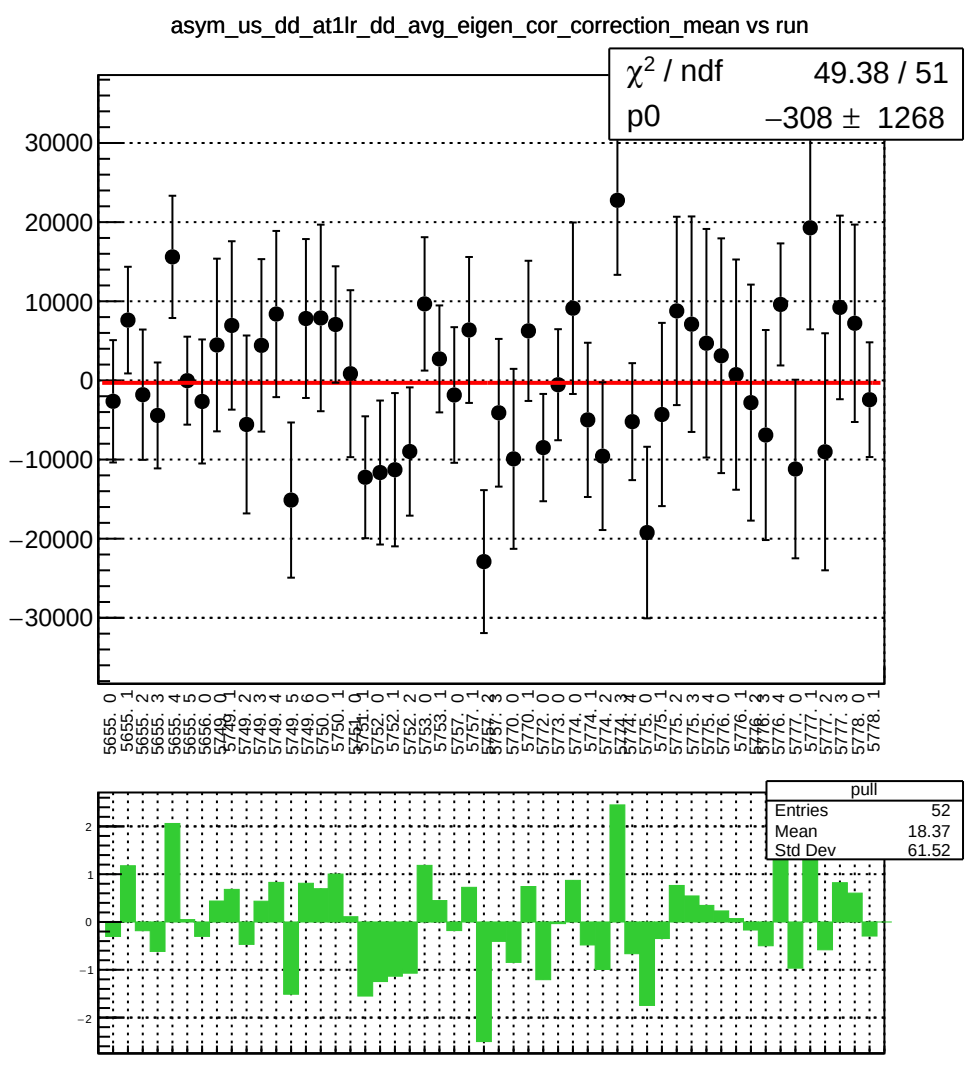
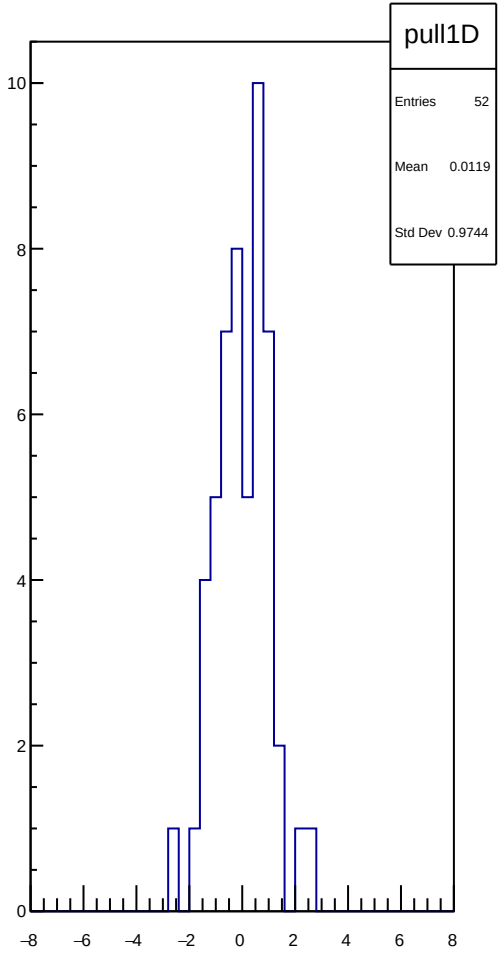
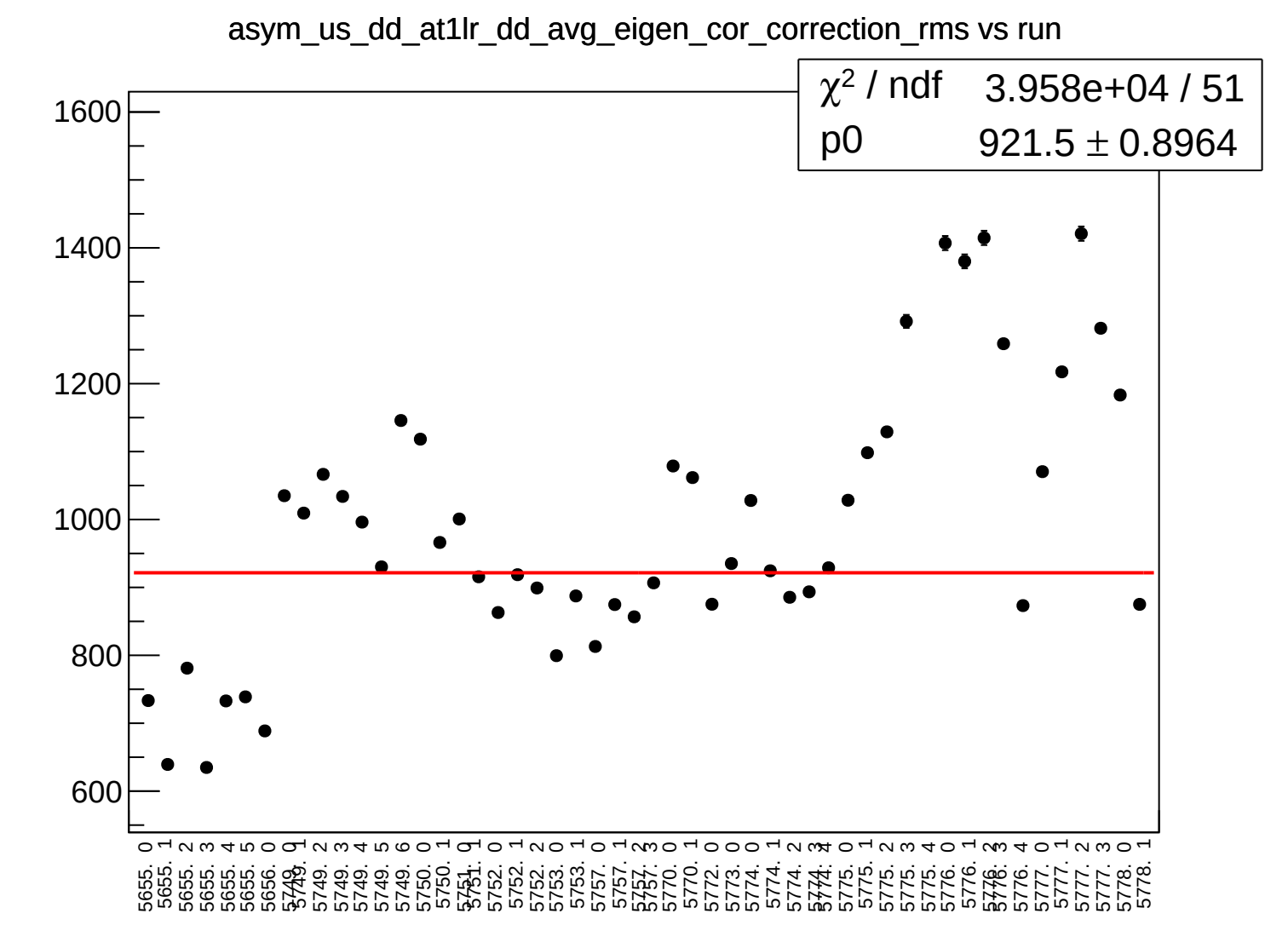
5778. 0
5778. 1


asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 49.38 / 51
p0 −308 ± 1268
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean 18.37
Std Dev 61.52
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.0119
Std Dev 0.9744
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 3.958e+04 / 51
p0 921.5 ± 0.8964
1600
1400
1200
1000
800
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5752. 2
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5753. 1
5757. 0
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5770. 1
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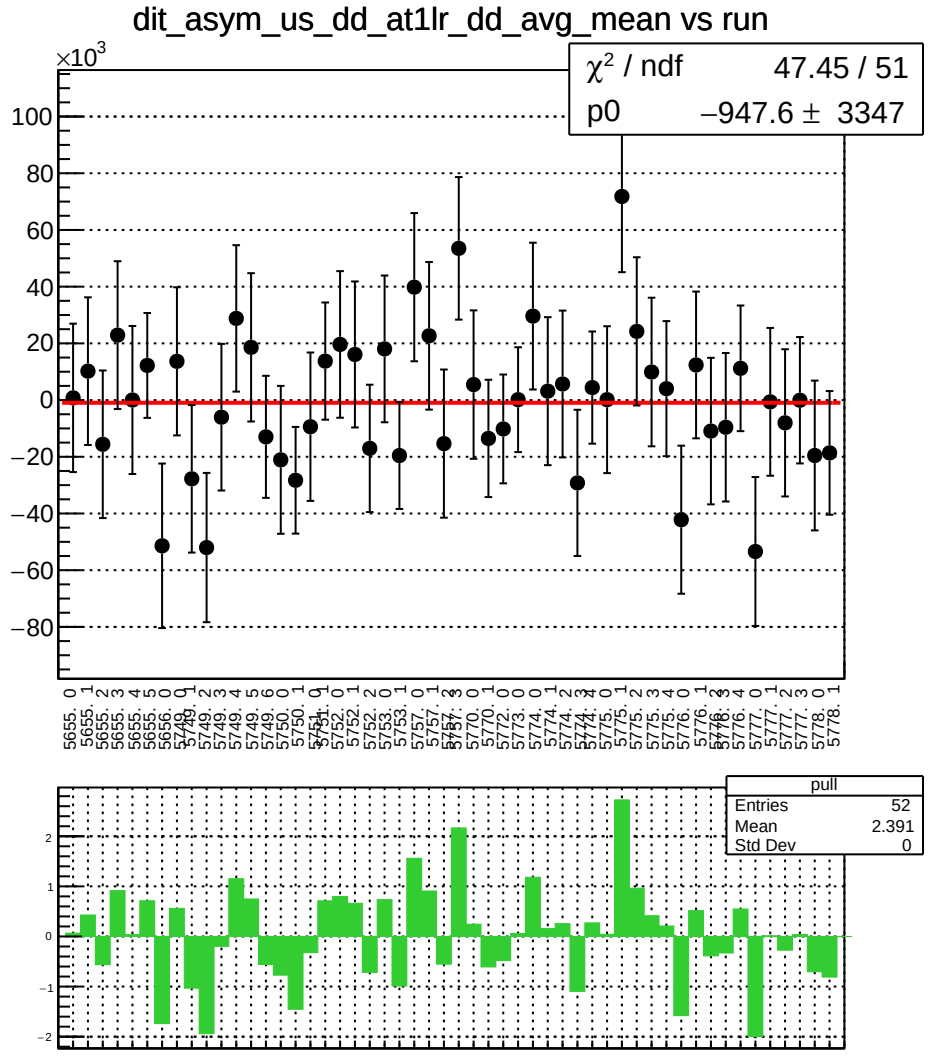
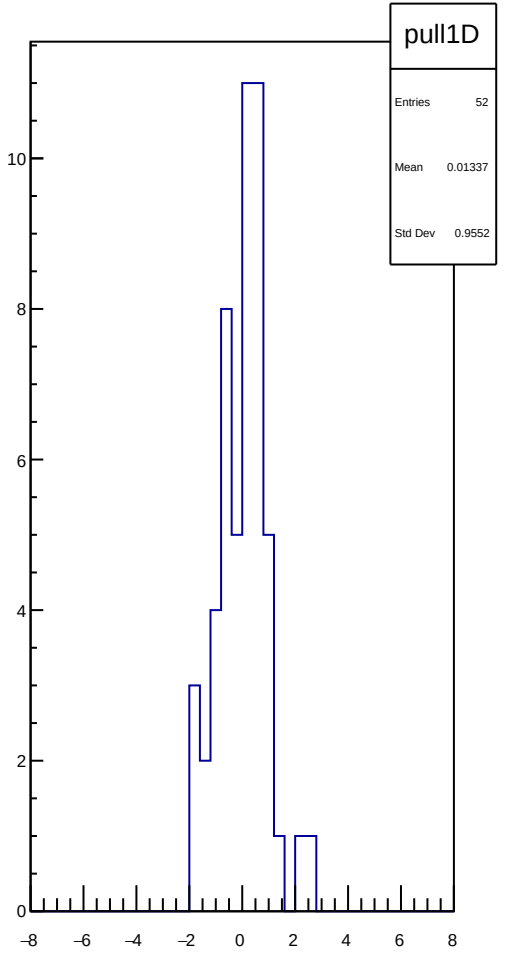
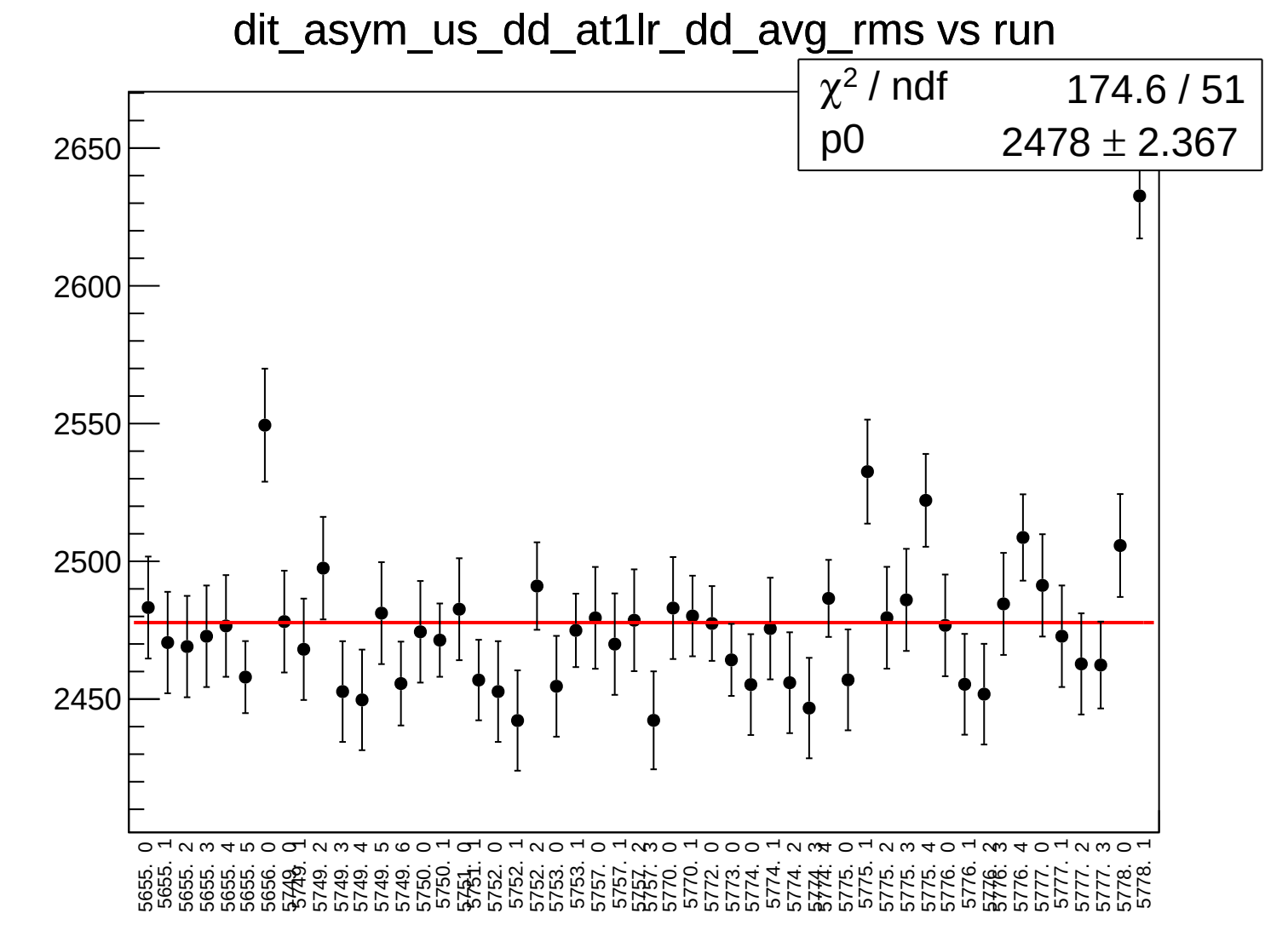

dit_asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ² / ndf 47.45 / 51
p0 −947.6 ± 3347
pull
Entries 52
Mean 2.391
Std Dev 0


pull1D
Entries 52
Mean 0.01337
Std Dev 0.9552


dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 174.6 / 51
p0 2478 ± 2.367
2650
2600
2550
2500
2450
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
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5751. 1
5752. 0
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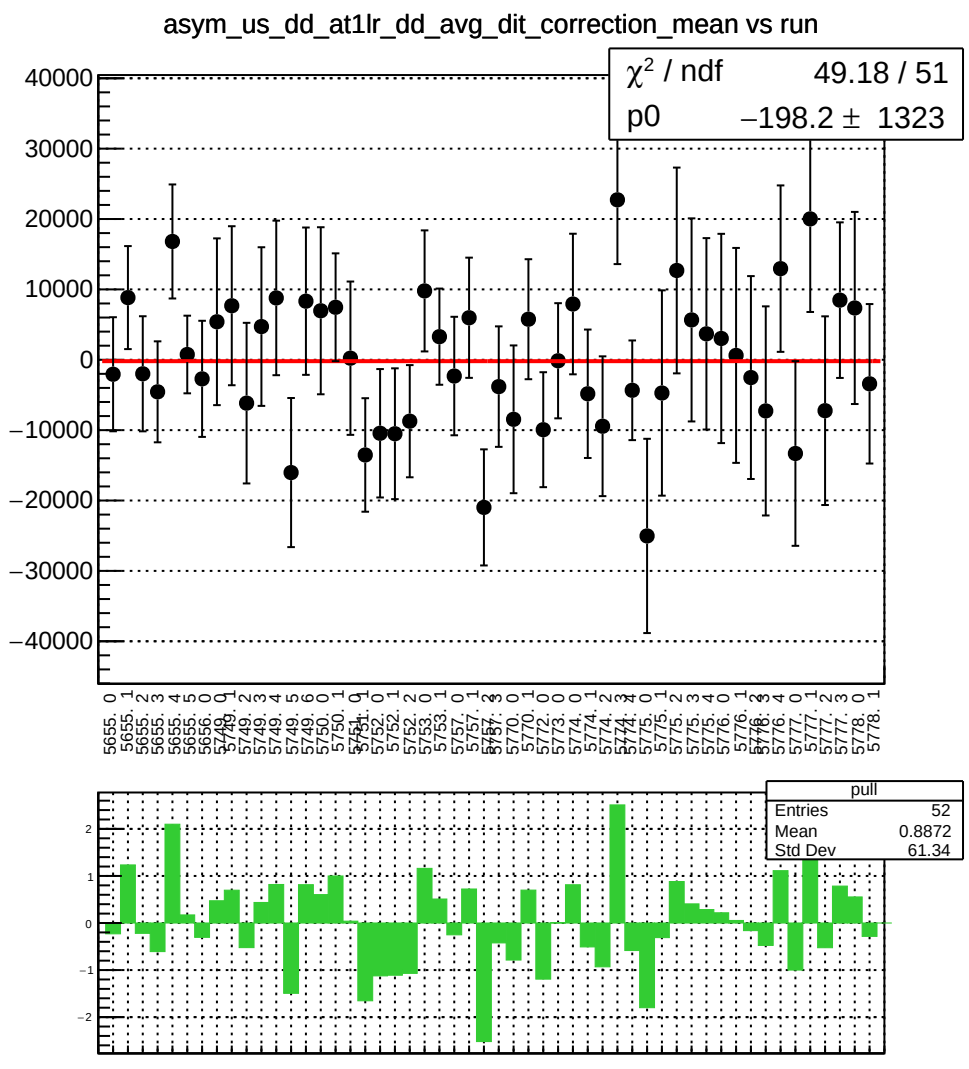
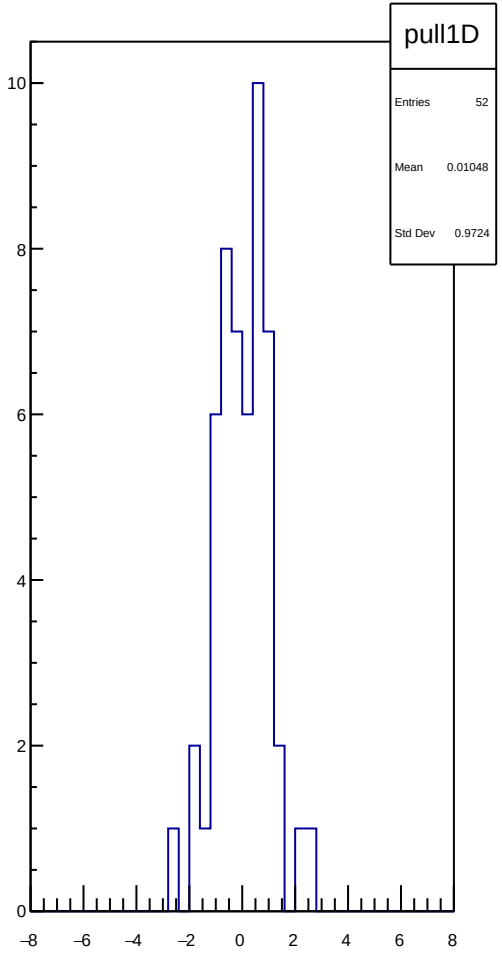
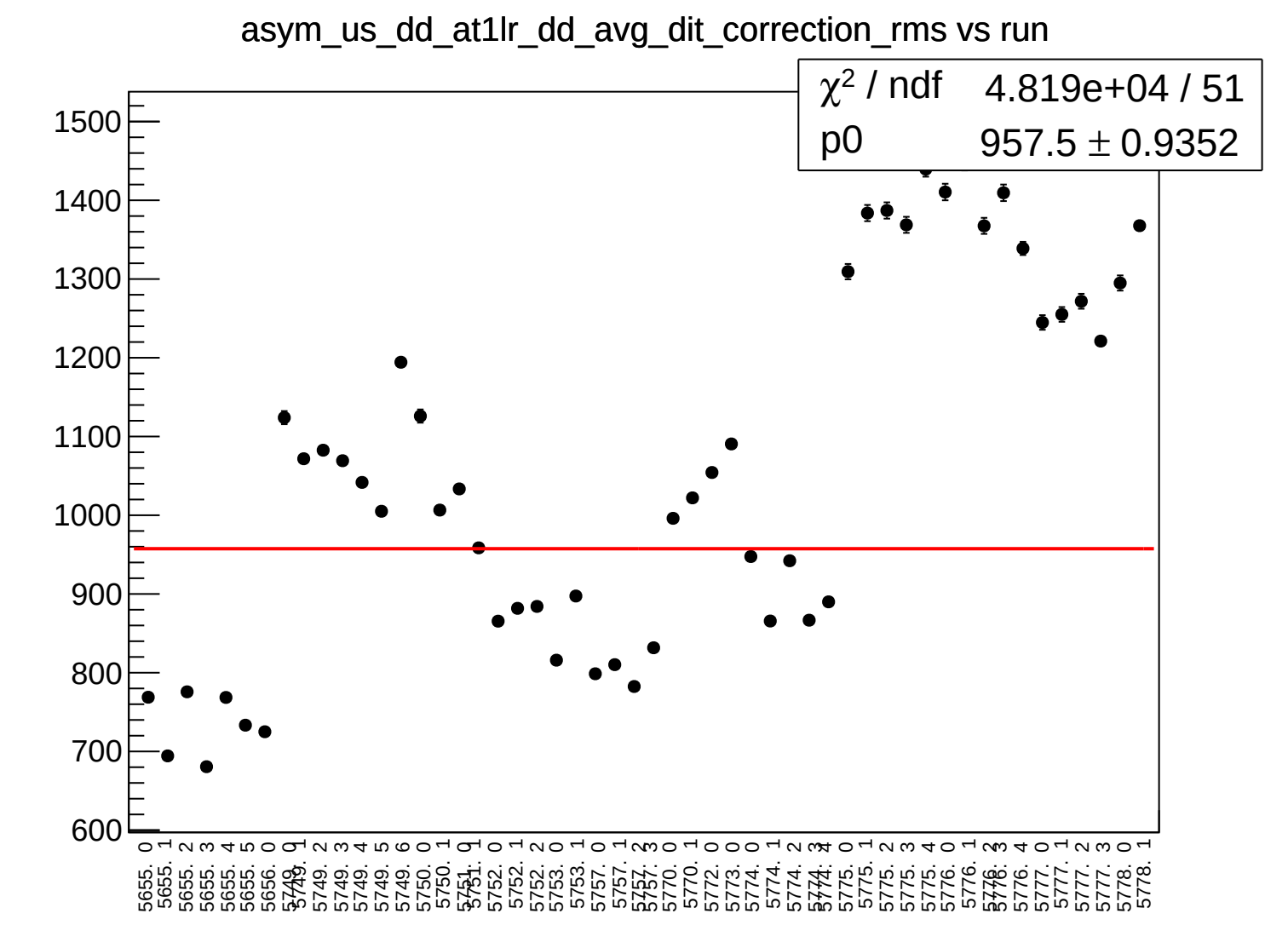

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs run
χ² / ndf 49.18 / 51
p0 −198.2 ± 1323
pull
Entries 52
Mean 0.8872
Std Dev 61.34


pull1D
Entries 52
Mean 0.01048
Std Dev 0.9724


asym_us_dd_at1lr_dd_avg_dit_correction_rms vs run
χ² / ndf 4.819e+04 / 51
p0 957.5 ± 0.9352
1500
1400
1300
1200
1100
1000
900
800
700
600
5655. 0
5655. 1
5655. 2
5655. 3
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5655. 5
5656. 0
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5778. 0
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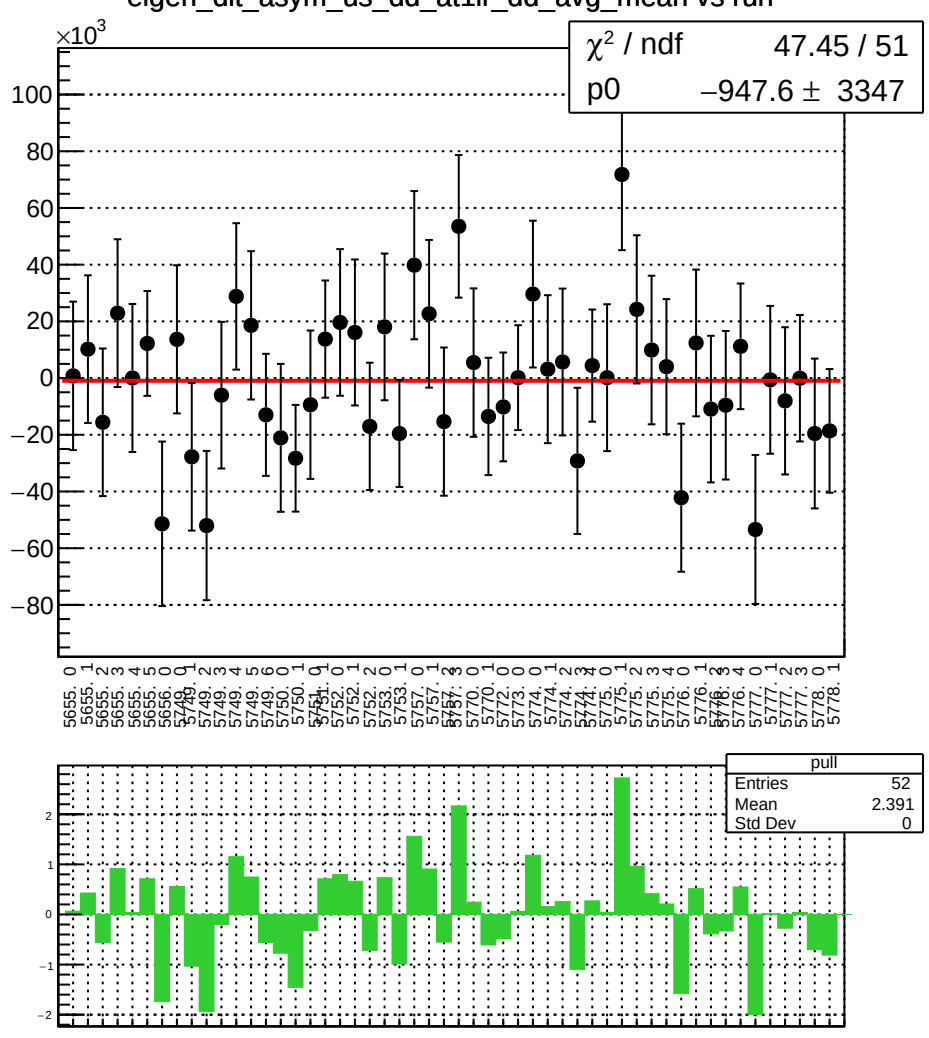
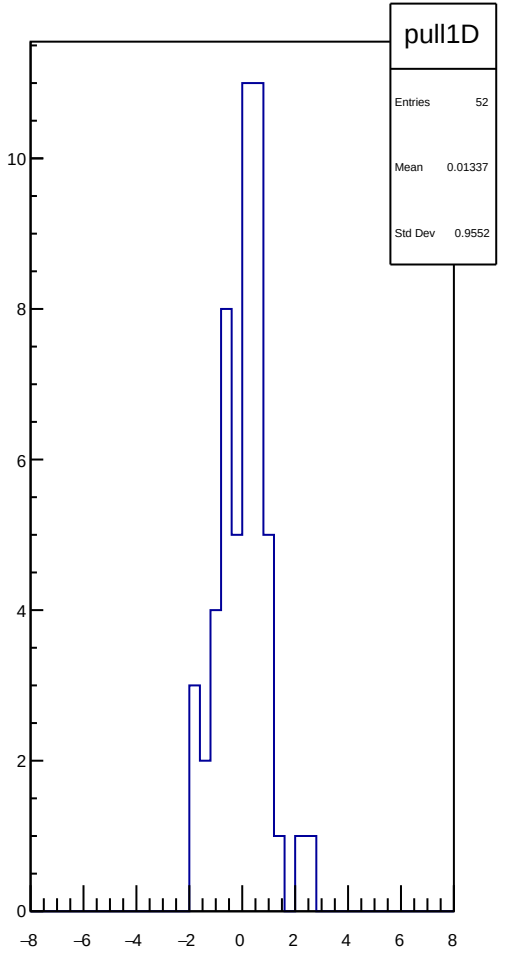
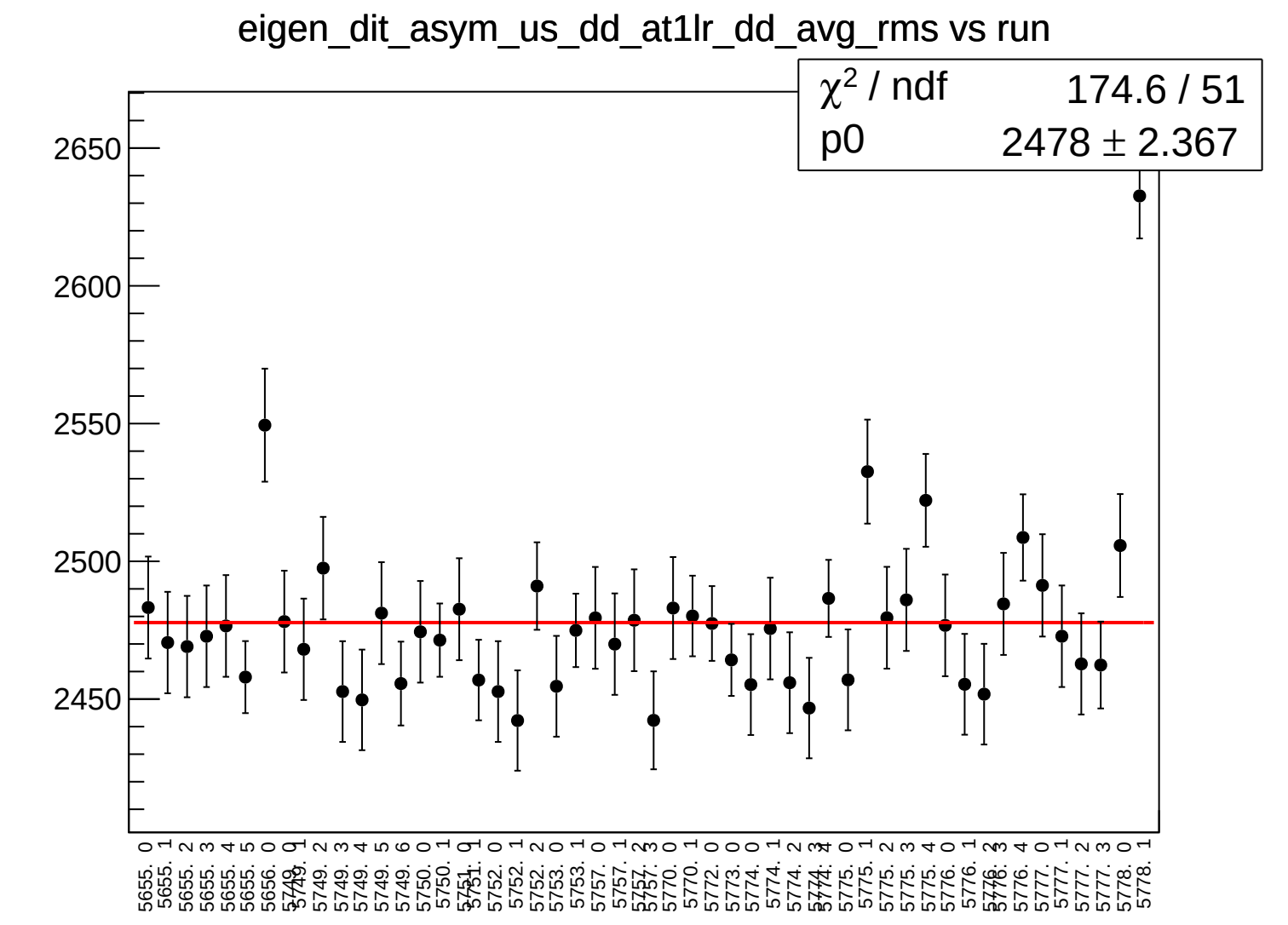

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ² / ndf 47.45 / 51
p0 −947.6 ± 3347
pull
Entries 52
Mean 2.391
Std Dev 0


pull1D
Entries 52
Mean 0.01337
Std Dev 0.9552


eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 174.6 / 51
p0 2478 ± 2.367
2650
2600
2550
2500
2450
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
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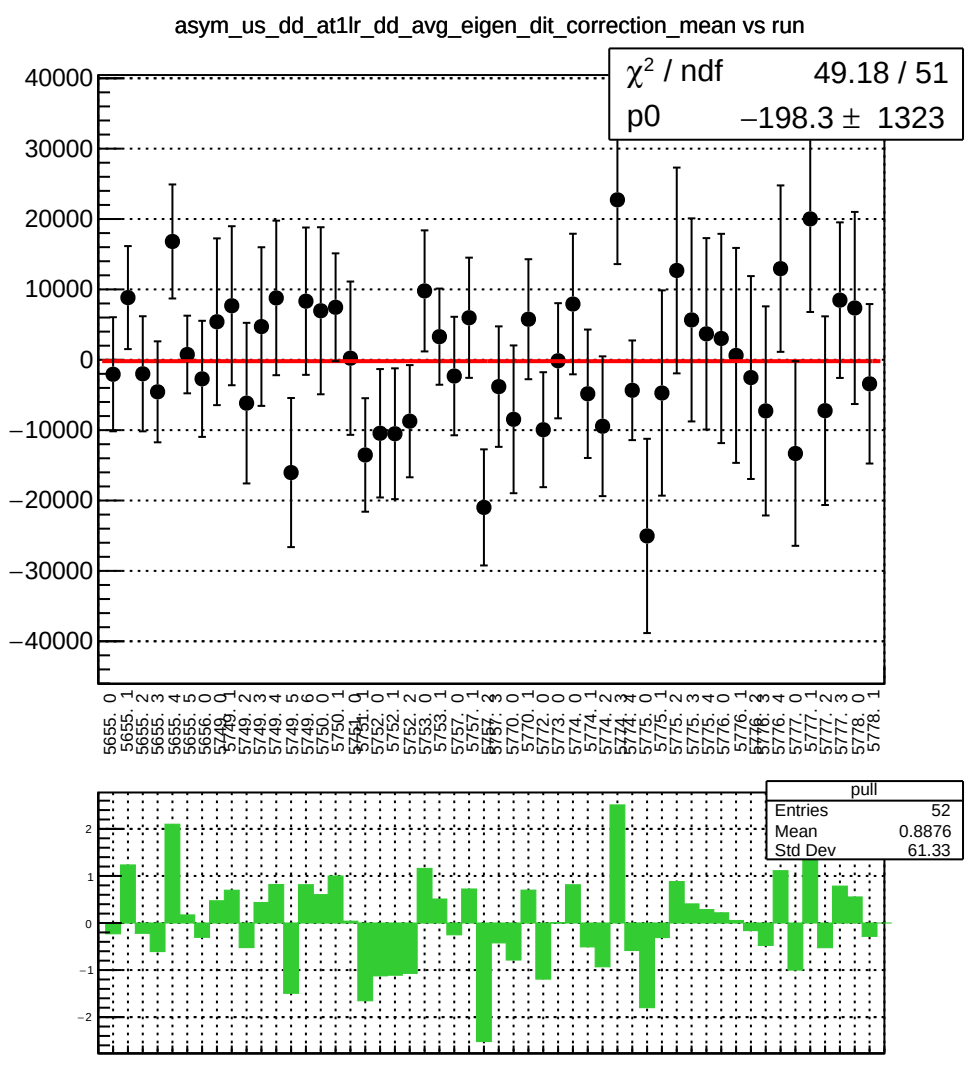
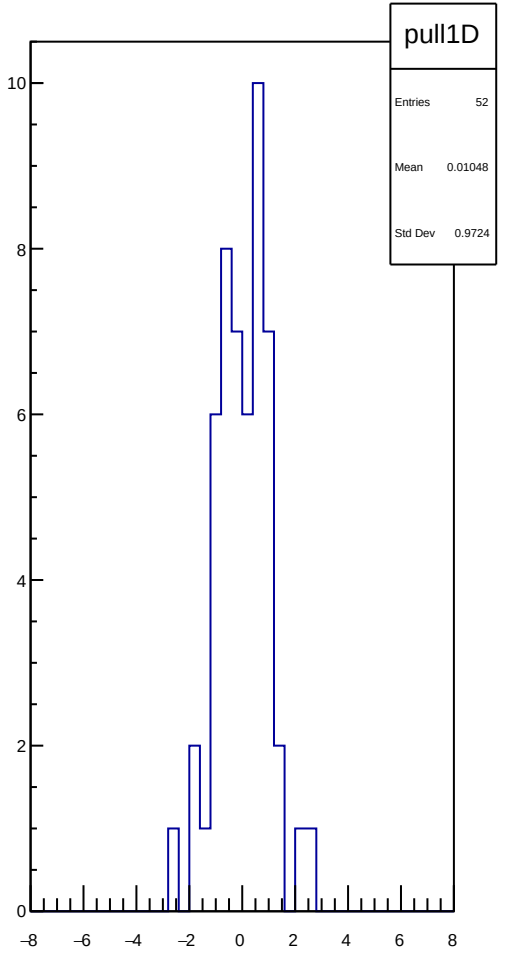
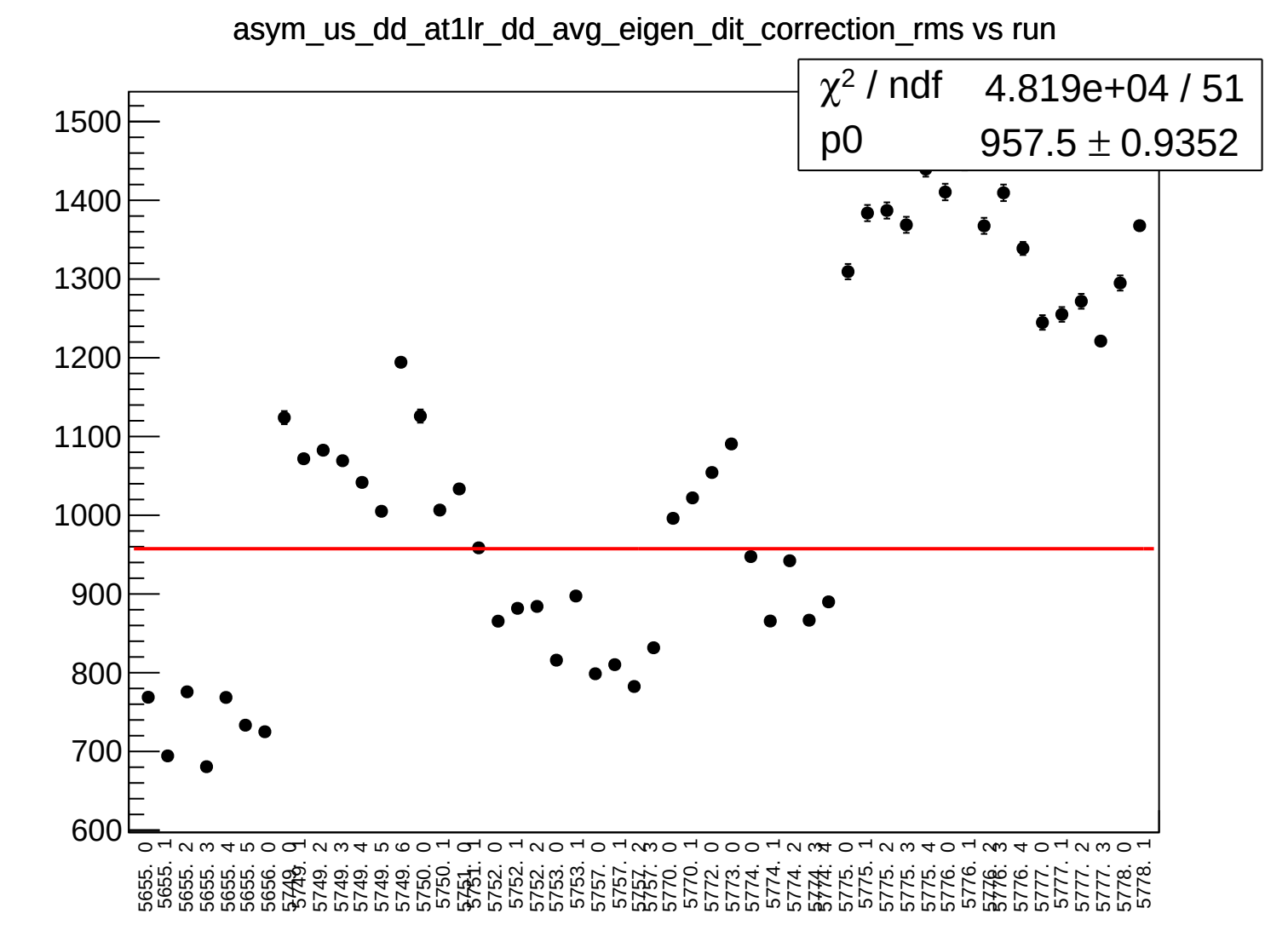
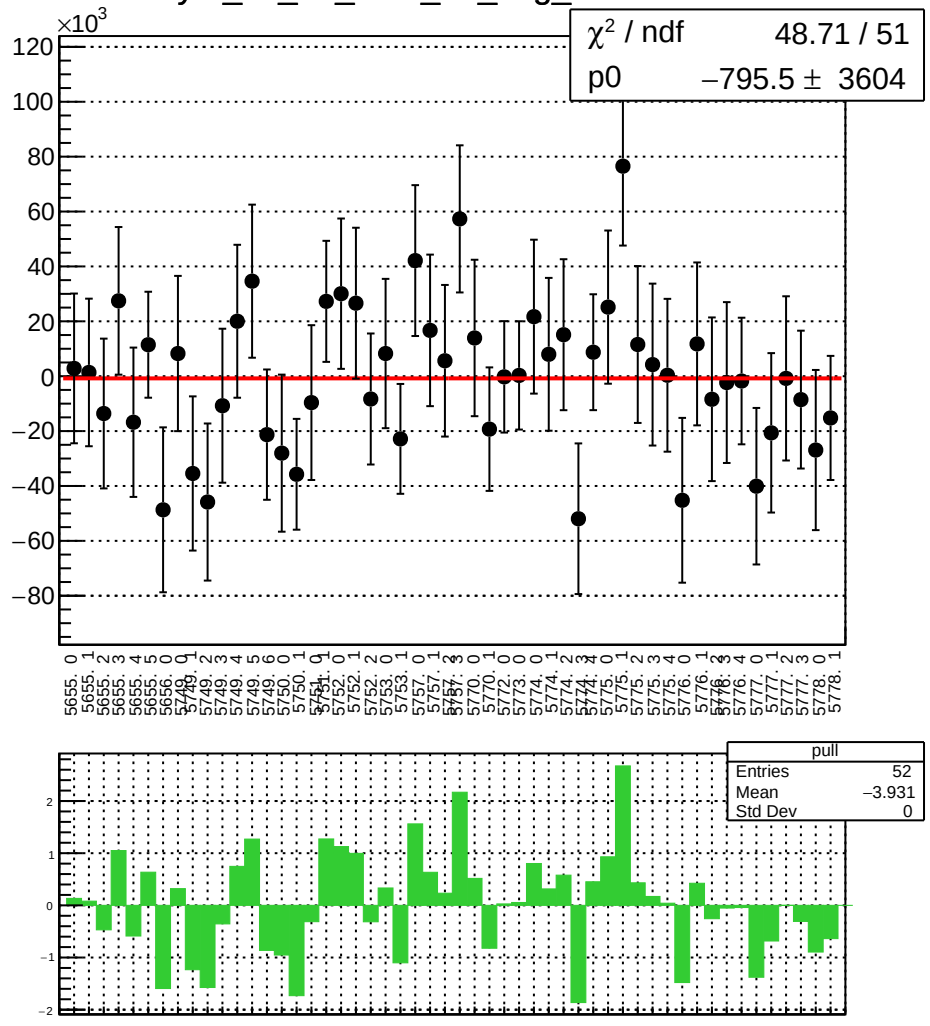
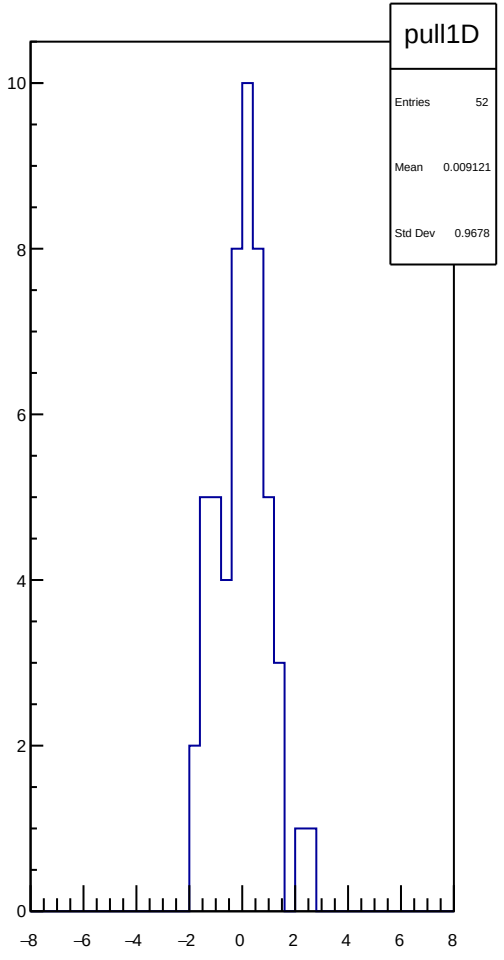
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

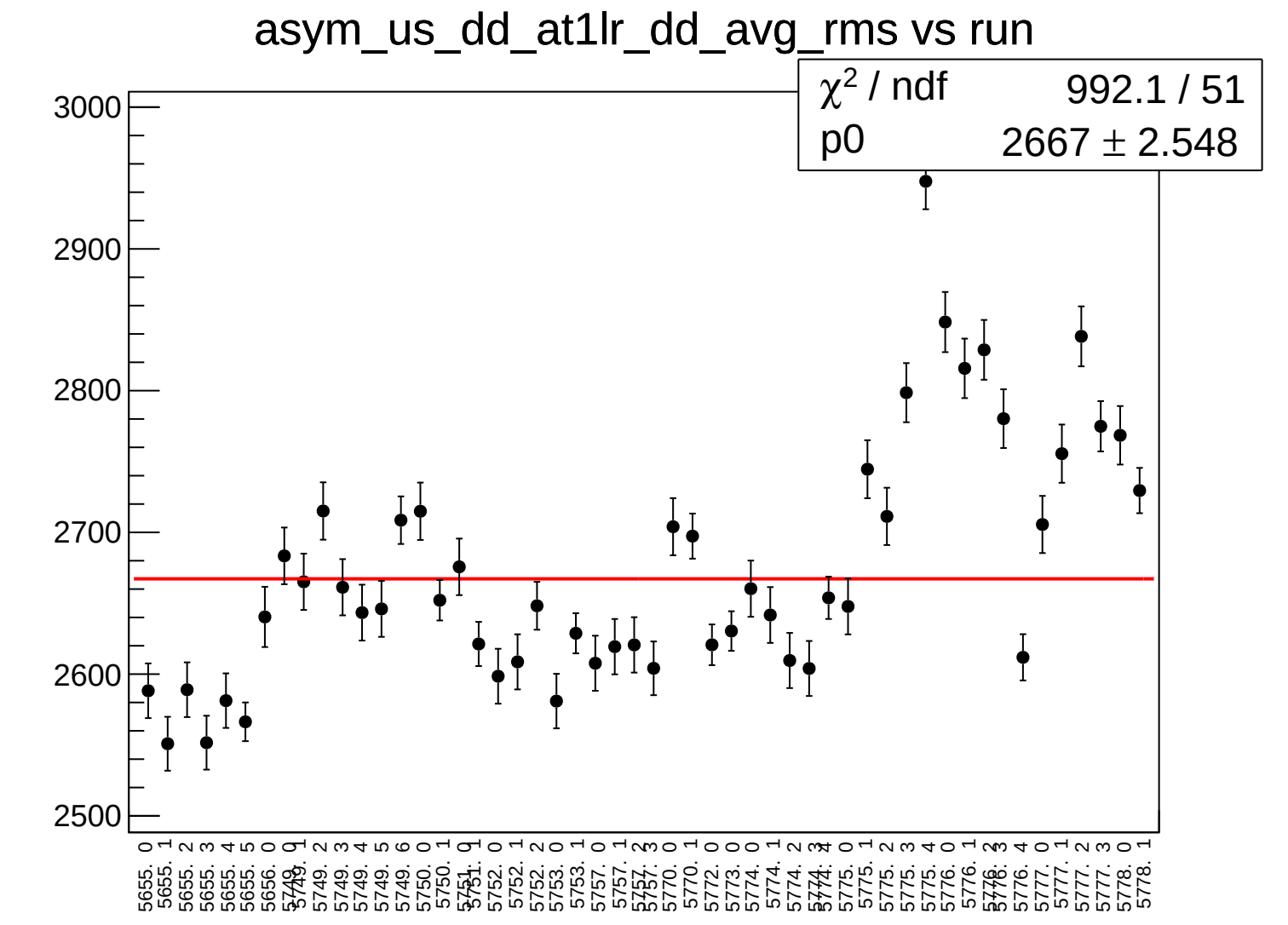

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 49.18 / 51
p0 −198.3 ± 1323
pull
Entries 52
Mean 0.8876
Std Dev 61.33

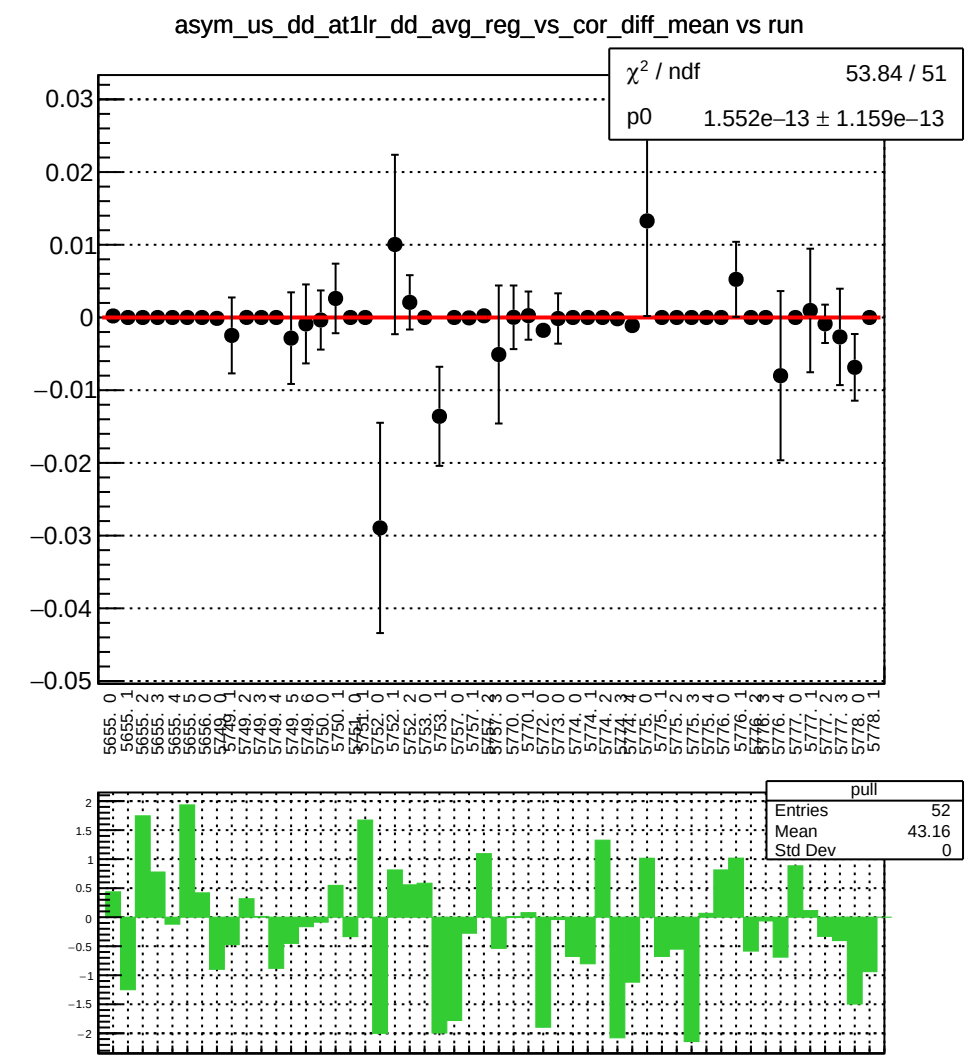

pull1D
Entries 52
Mean 0.01048
Std Dev 0.9724

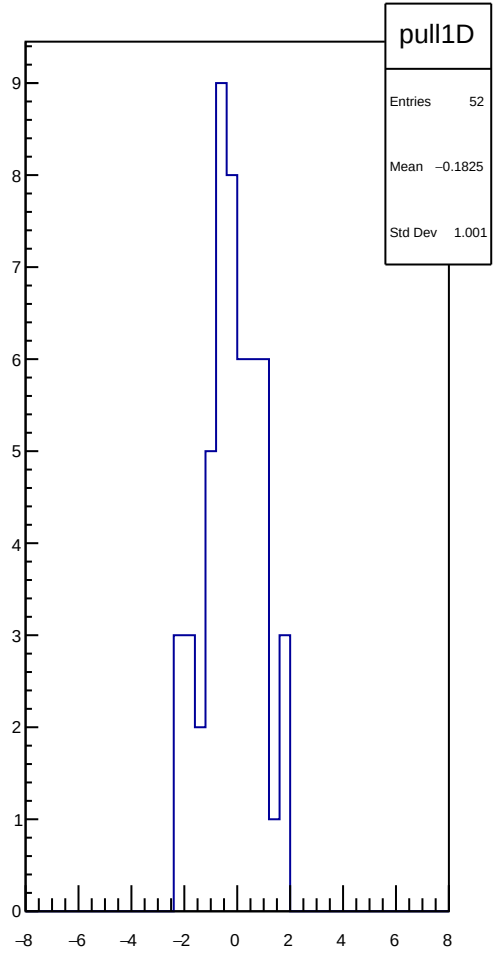

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 4.819e+04 / 51
p0 957.5 ± 0.9352
1500
1400
1300
1200
1100
1000
900
800
700
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

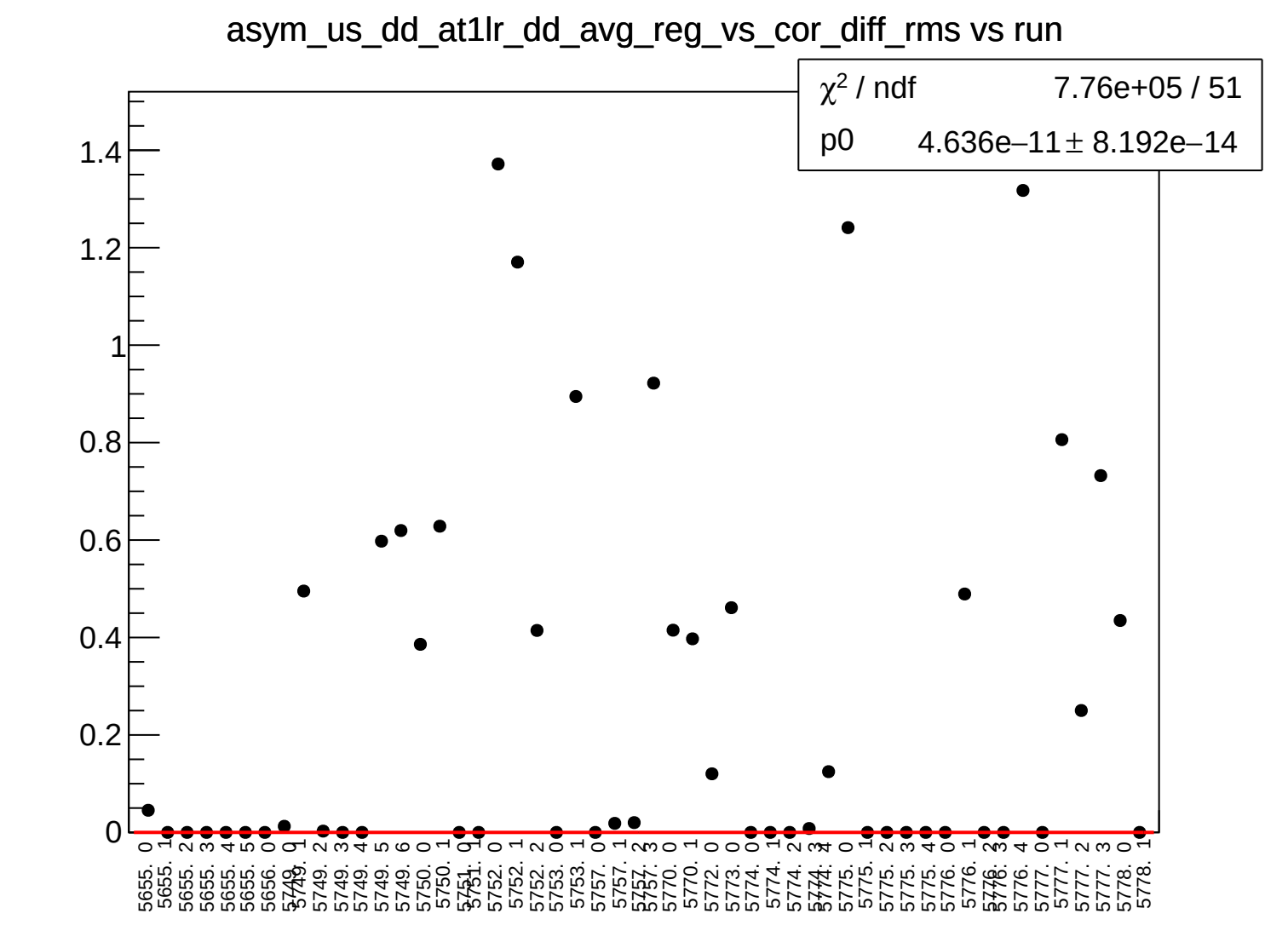

asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ² / ndf 48.71 / 51
p0 −795.5 ± 3604
pull
Entries 52
Mean −3.931
Std Dev 0

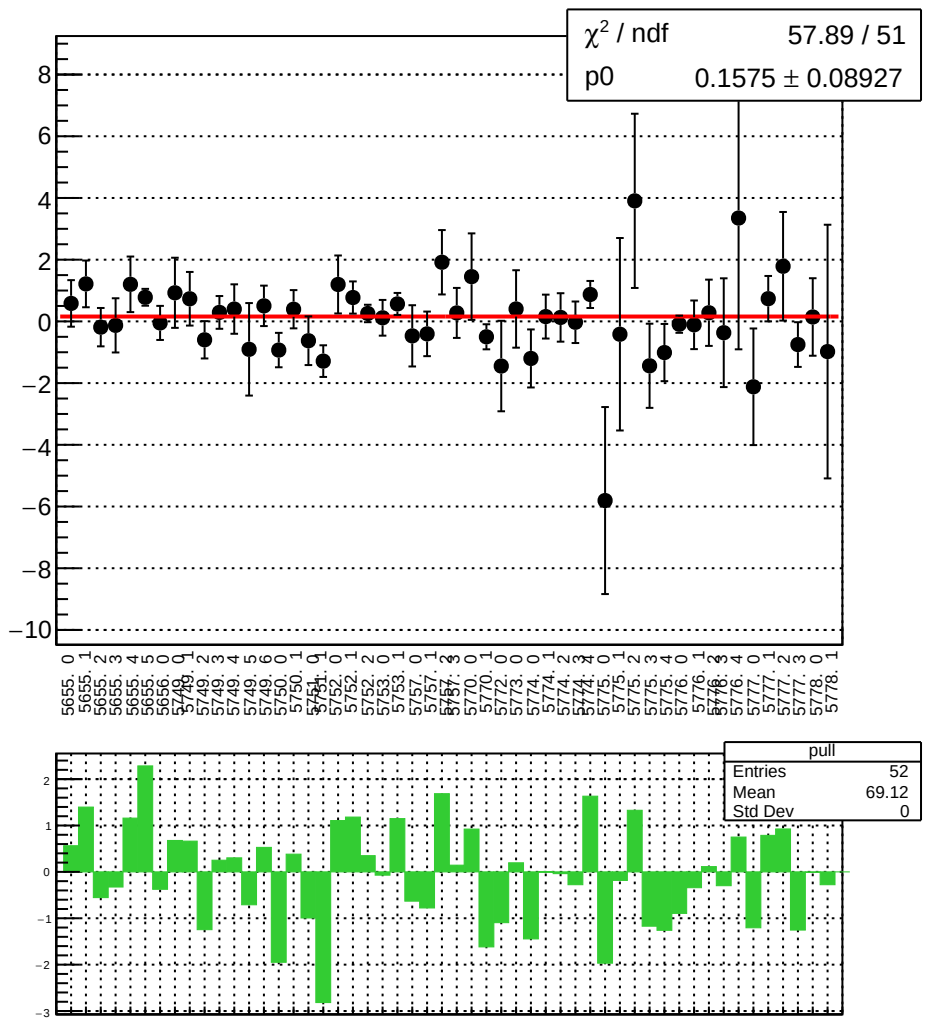

pull1D
Entries 52
Mean 0.009121
Std Dev 0.9678

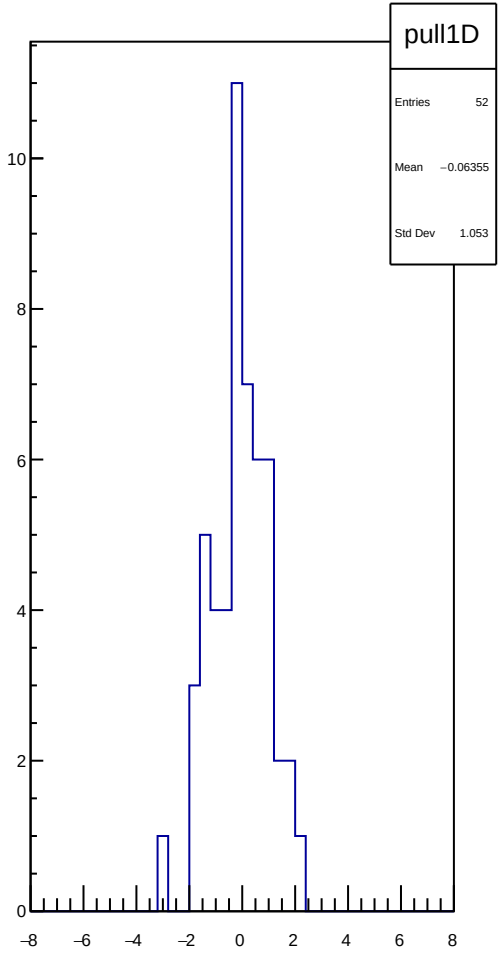

asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 992.1 / 51
p0 2667 ± 2.548
3000
2900
2800
2700
2600
2500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

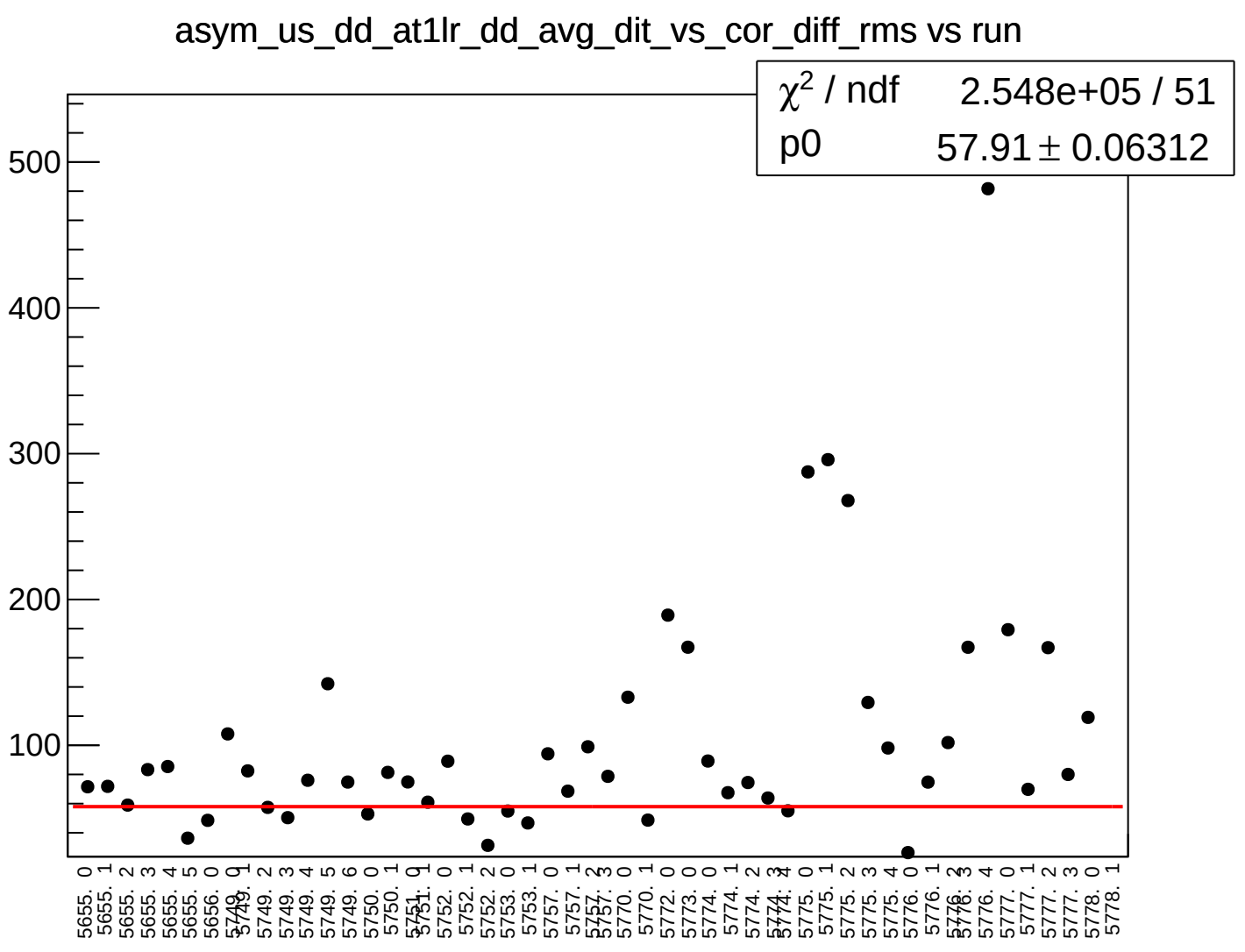

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 53.84 / 51
p0 1.552e−13 ± 1.159e−13
pull
Entries 52
Mean 43.16
Std Dev 0

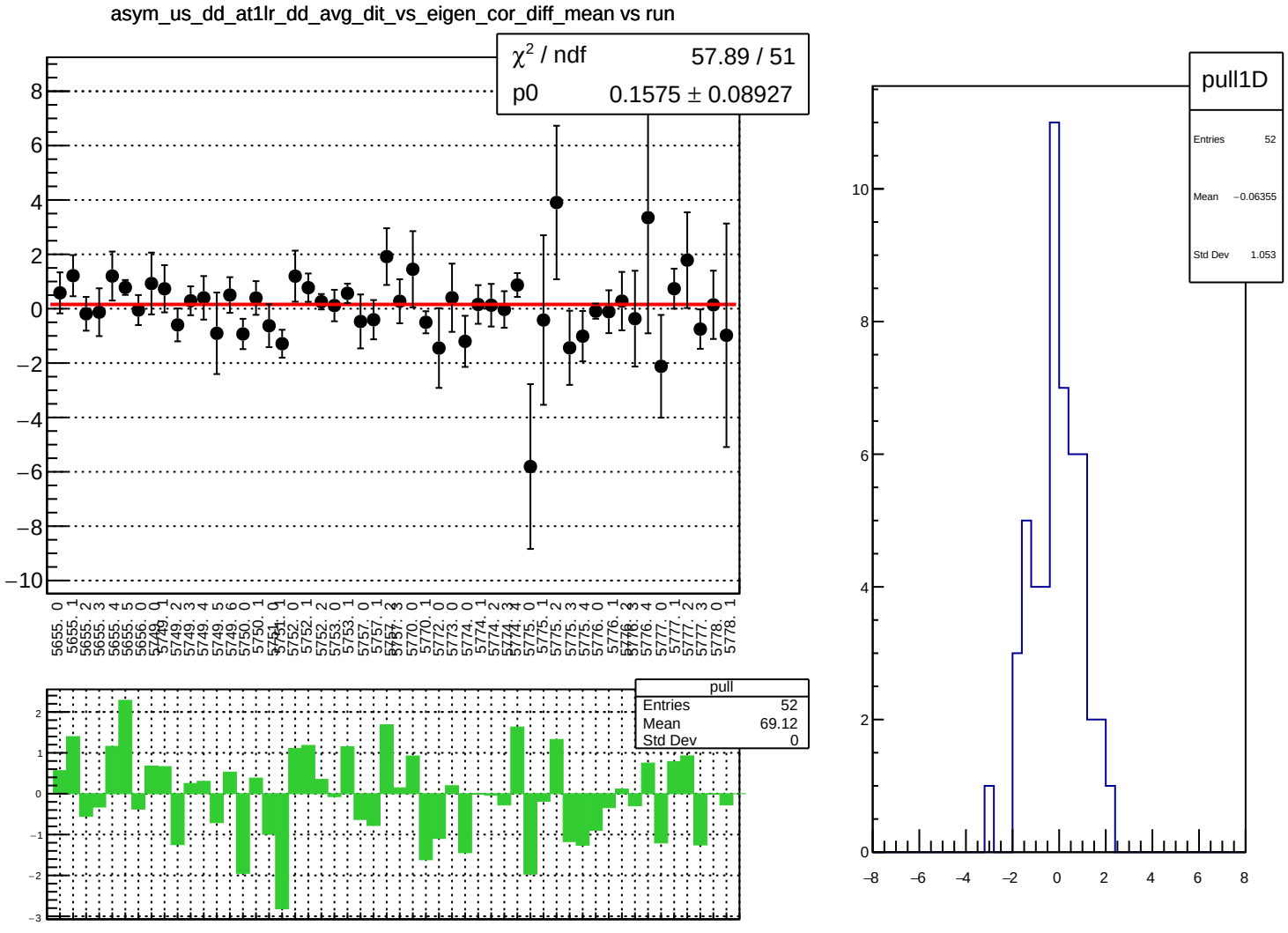

pull1D
Entries 52
Mean −0.1825
Std Dev 1.001

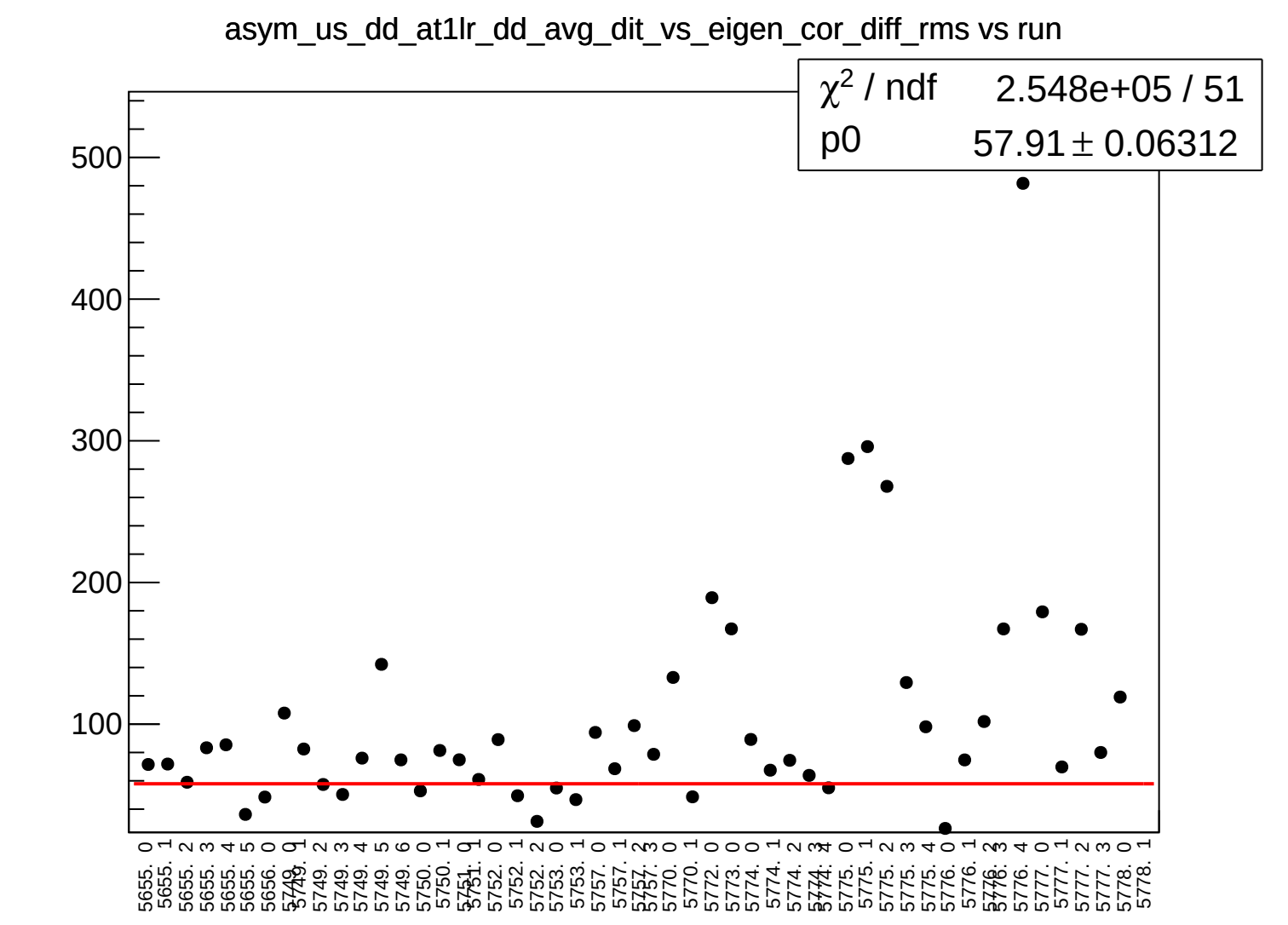

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.76e+05 / 51
p0 4.636e−11 ± 8.192e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

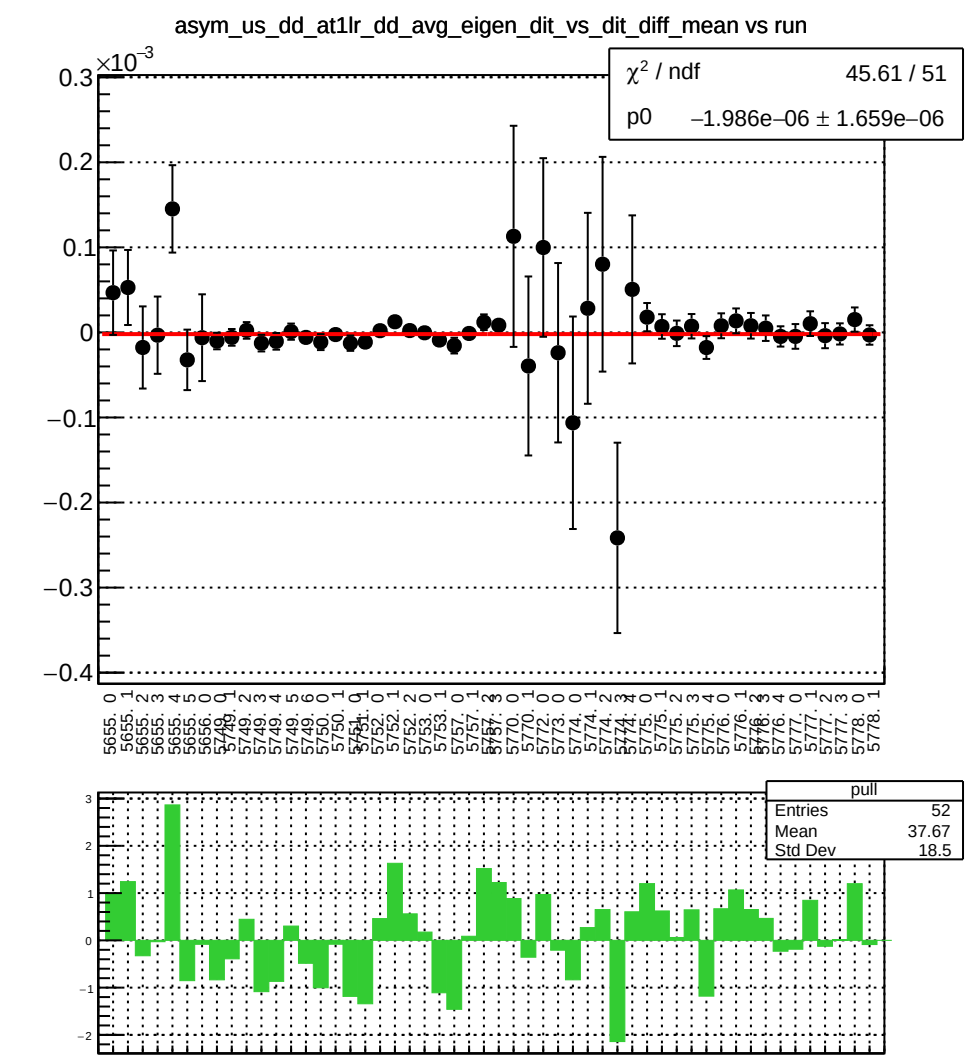

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 57.89 / 51
p0 0.1575 ± 0.08927
pull
Entries 52
Mean 69.12
Std Dev 0

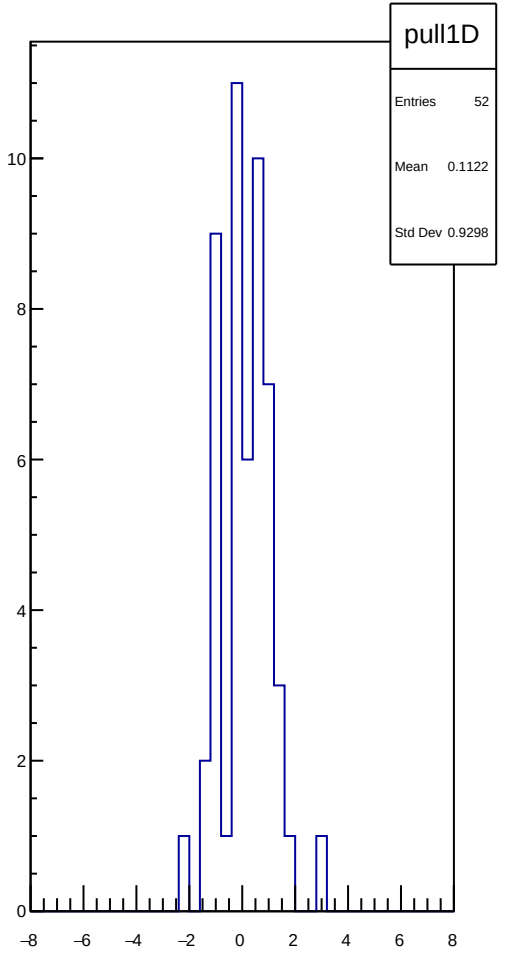

pull1D
Entries 52
Mean −0.06355
Std Dev 1.053

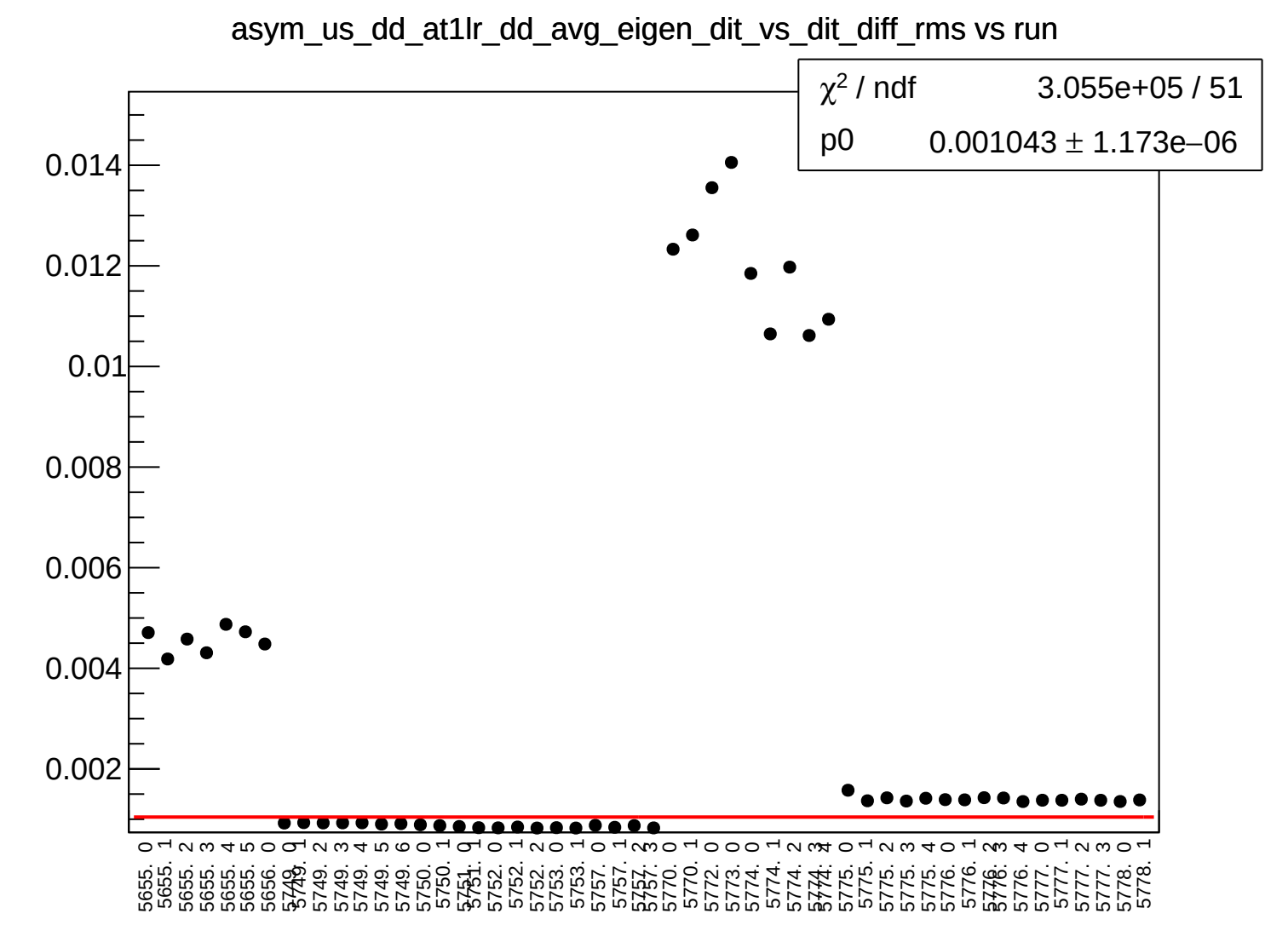

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.548e+05 / 51
p0 57.91 ± 0.06312
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.89 / 51
p0 0.1575 ± 0.08927
pull
Entries 52
Mean 69.12
Std Dev 0
pull1D
Entries 52
Mean −0.06355
Std Dev 1.053


asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.548e+05 / 51
p0 57.91 ± 0.06312
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 45.61 / 51
p0 −1.986e−06 ± 1.659e−06
pull
Entries 52
Mean 37.67
Std Dev 18.5


pull1D
Entries 52
Mean 0.1122
Std Dev 0.9298


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.055e+05 / 51
p0 0.001043 ± 1.173e−06
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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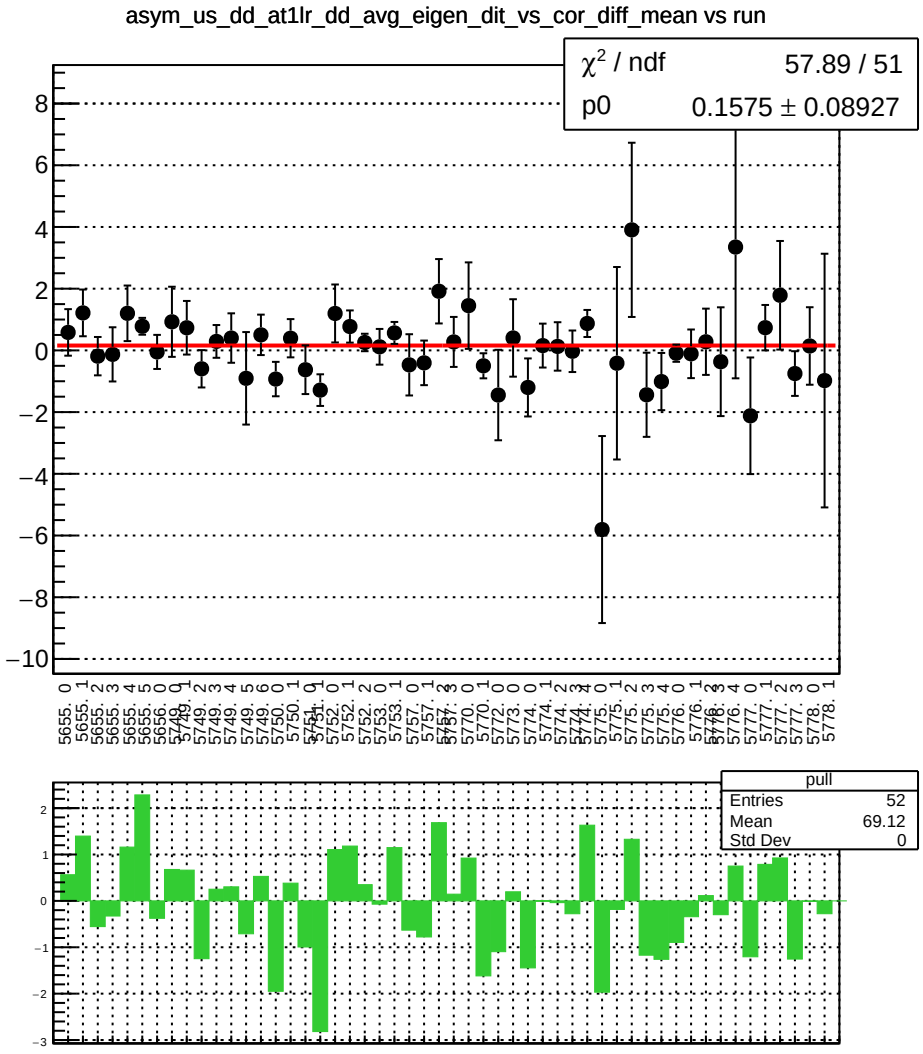
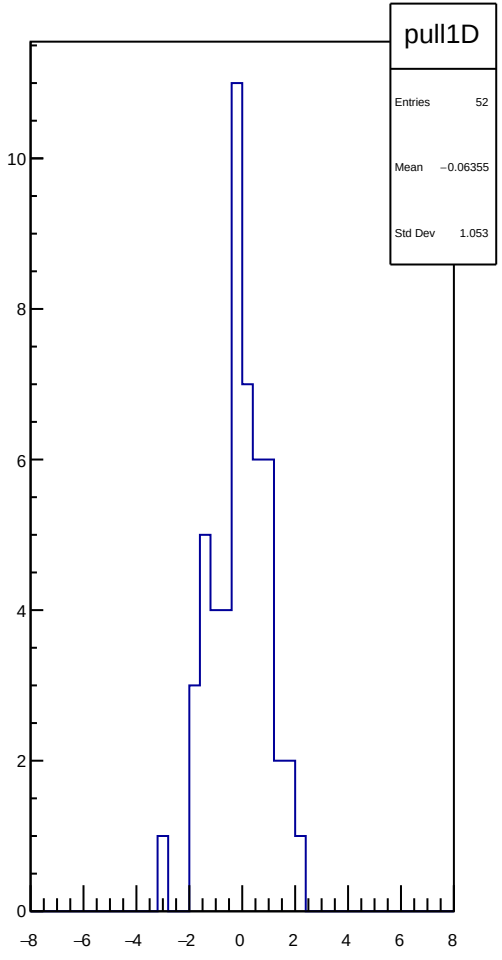
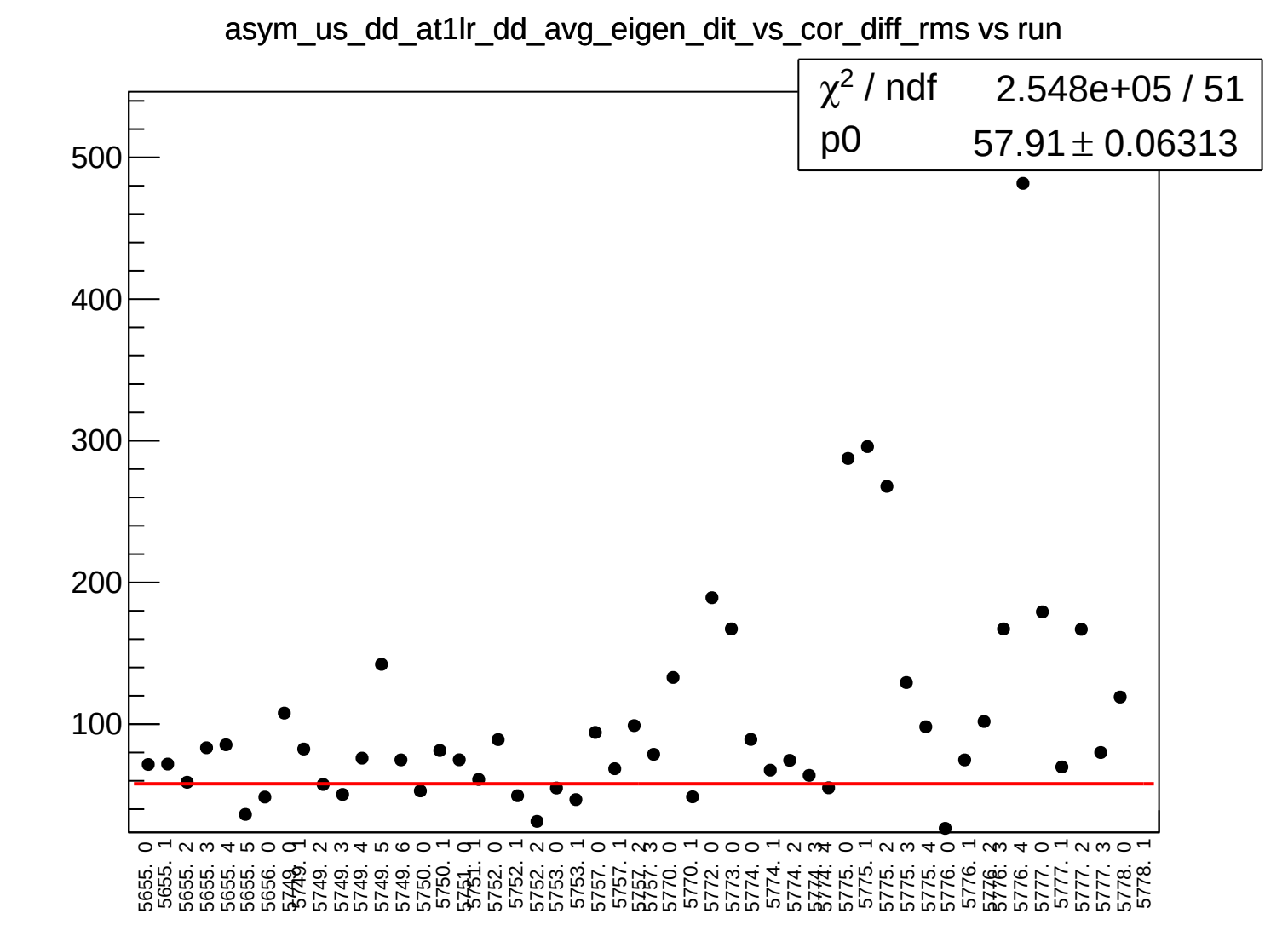
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 57.89 / 51
p0 0.1575 ± 0.08927
pull
Entries 52
Mean 69.12
Std Dev 0


pull1D
Entries 52
Mean −0.06355
Std Dev 1.053


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.548e+05 / 51
p0 57.91 ± 0.06313
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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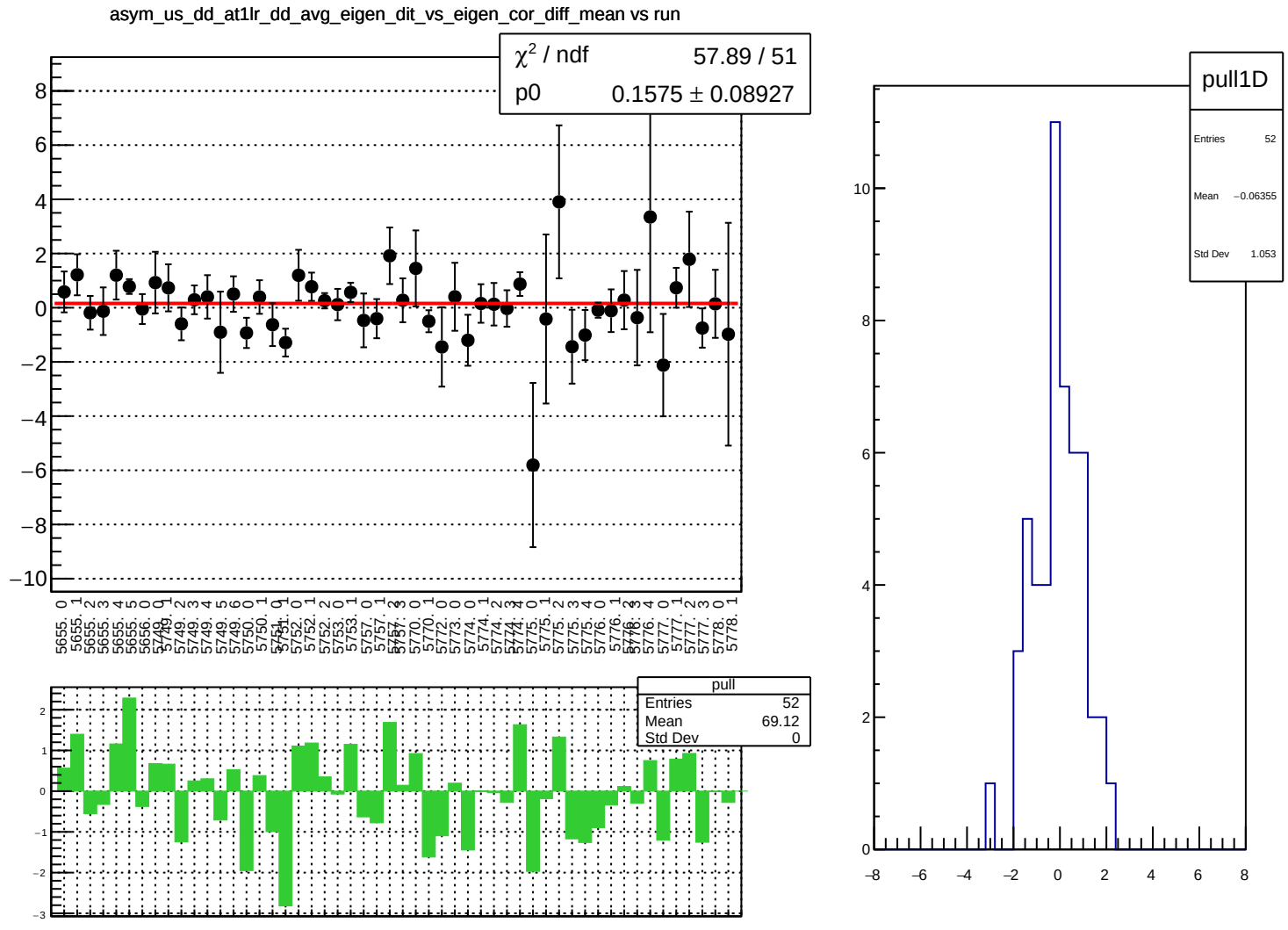
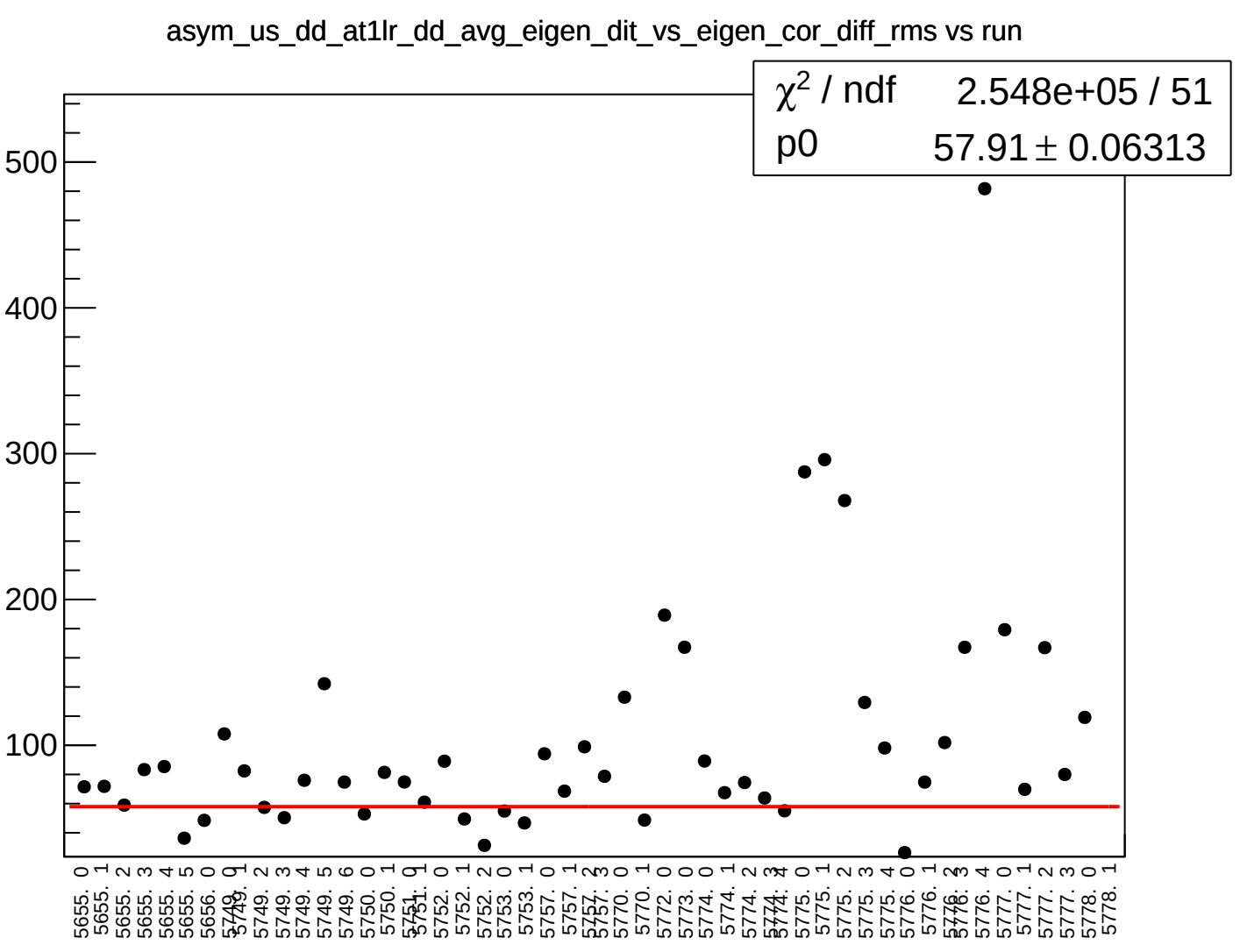
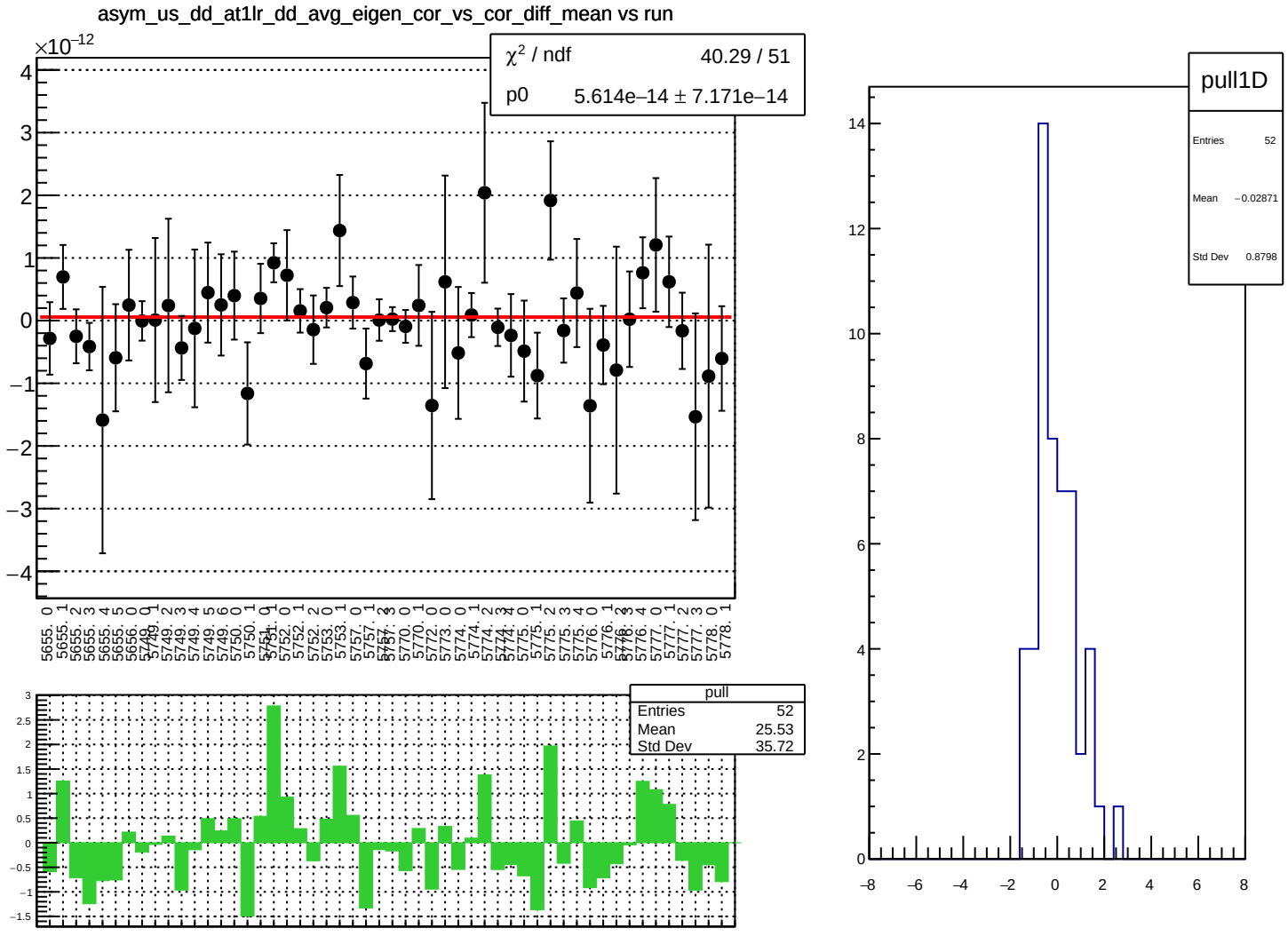
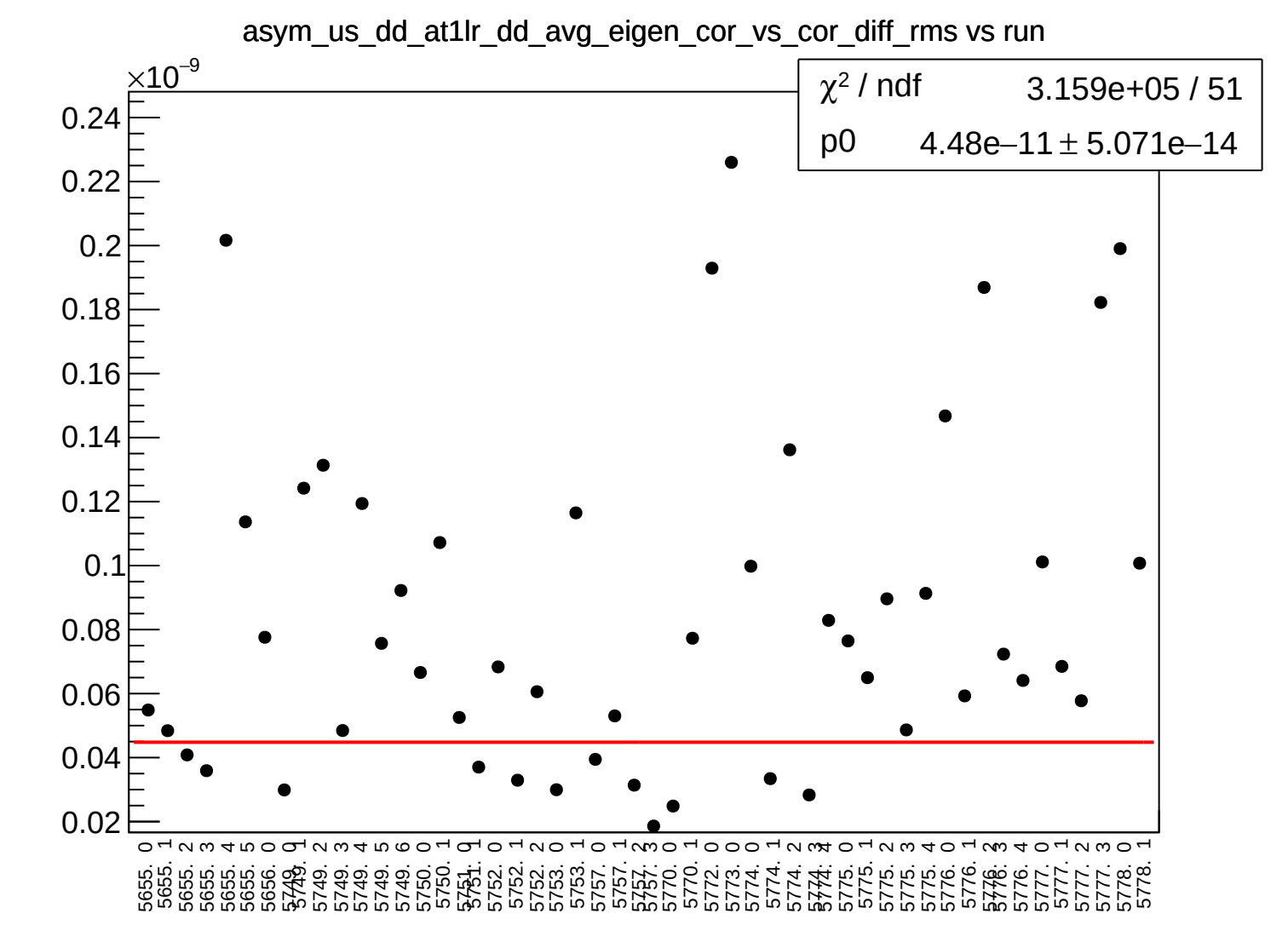
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.89 / 51
p0 0.1575 ± 0.08927
pull
Entries 52
Mean 69.12
Std Dev 0
pull1D
Entries 52
Mean −0.06355
Std Dev 1.053


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.548e+05 / 51
p0 57.91 ± 0.06313
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 40.29 / 51
p0 5.614e−14 ± 7.171e−14
pull
Entries 52
Mean 25.53
Std Dev 35.72
pull1D
Entries 52
Mean −0.02871
Std Dev 0.8798


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.159e+05 / 51
p0 4.48e−11 ± 5.071e−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
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
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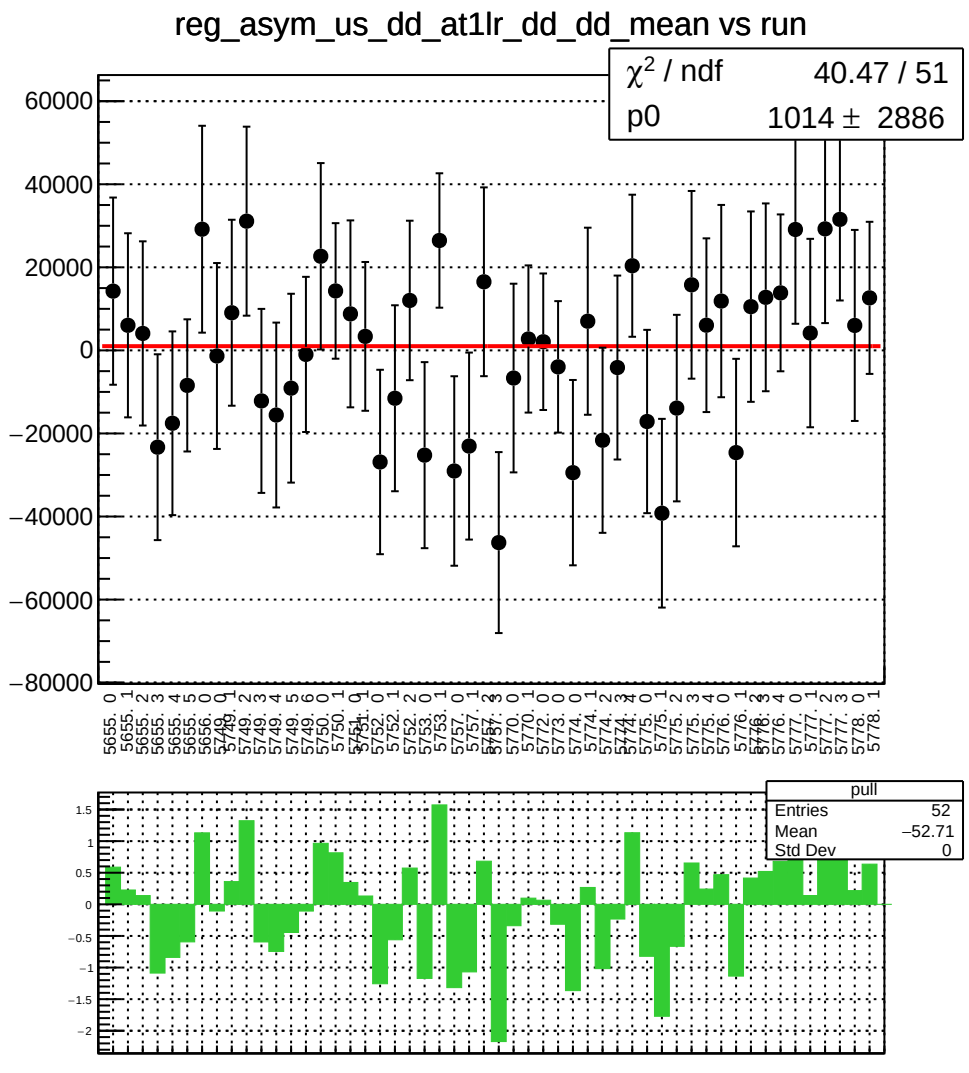
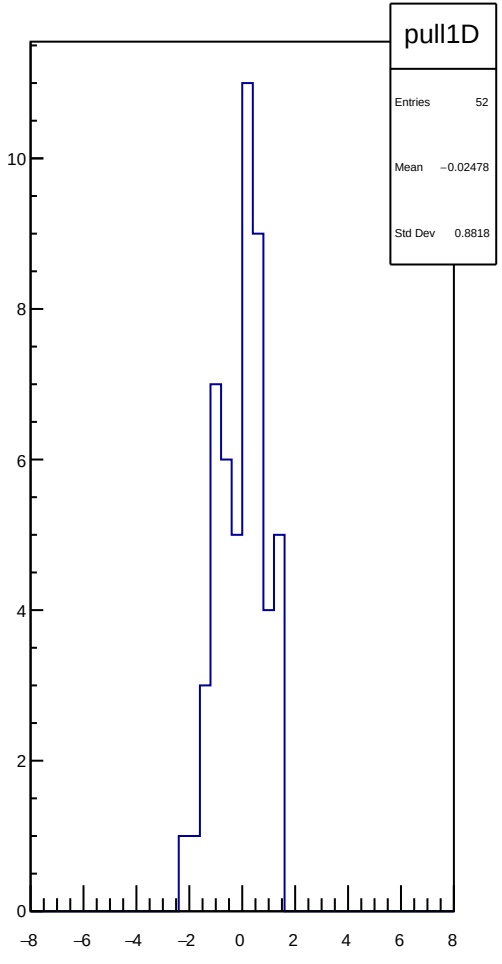
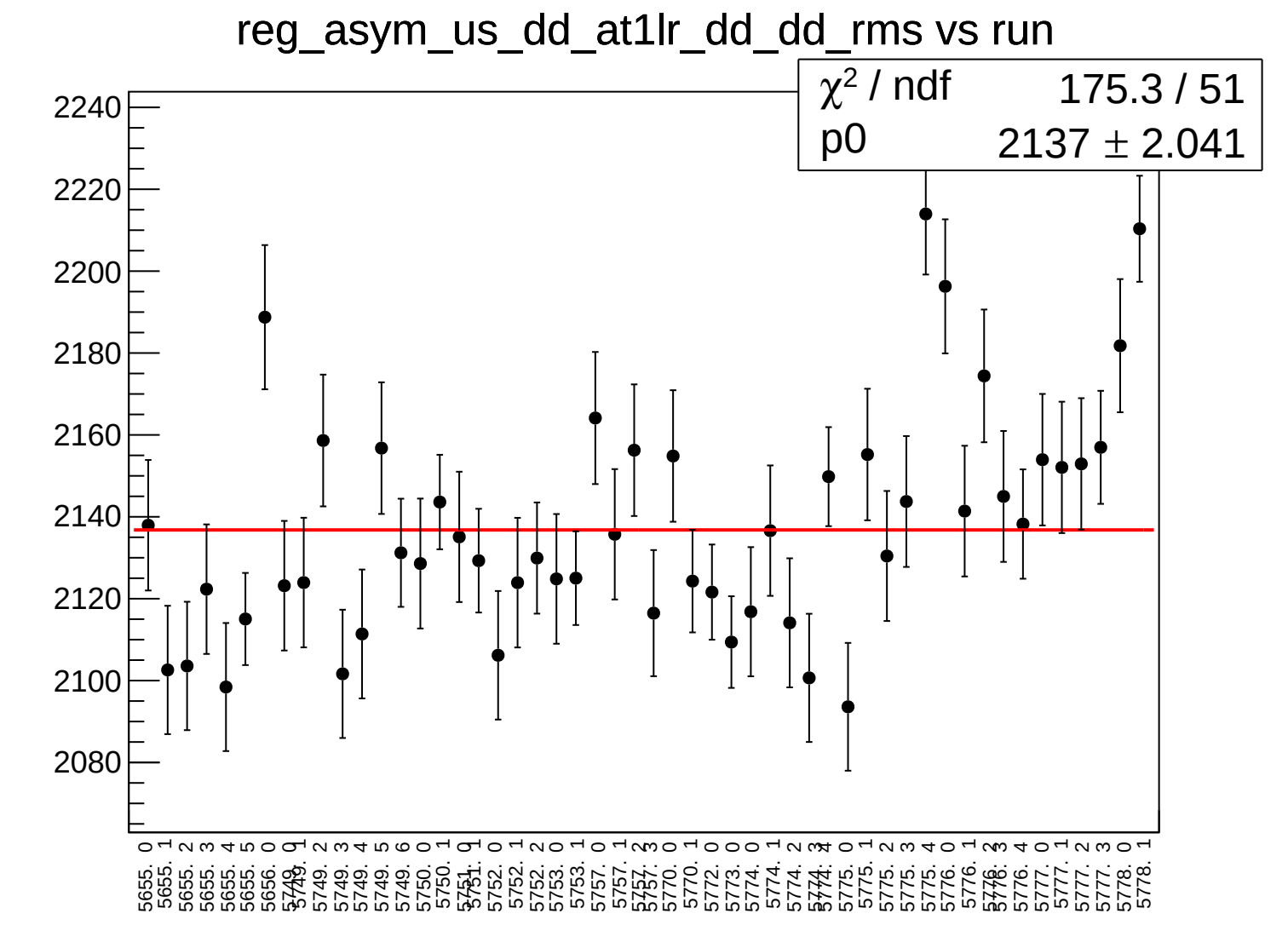
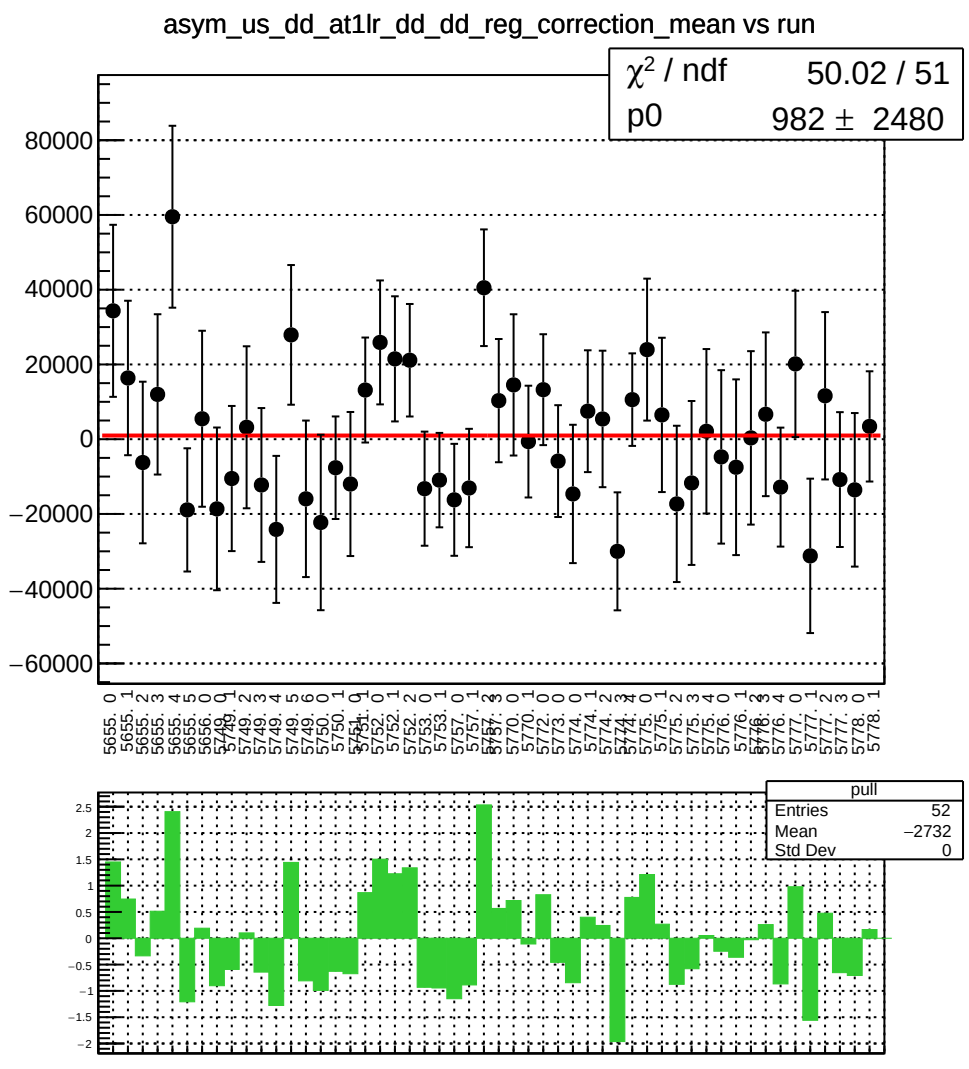
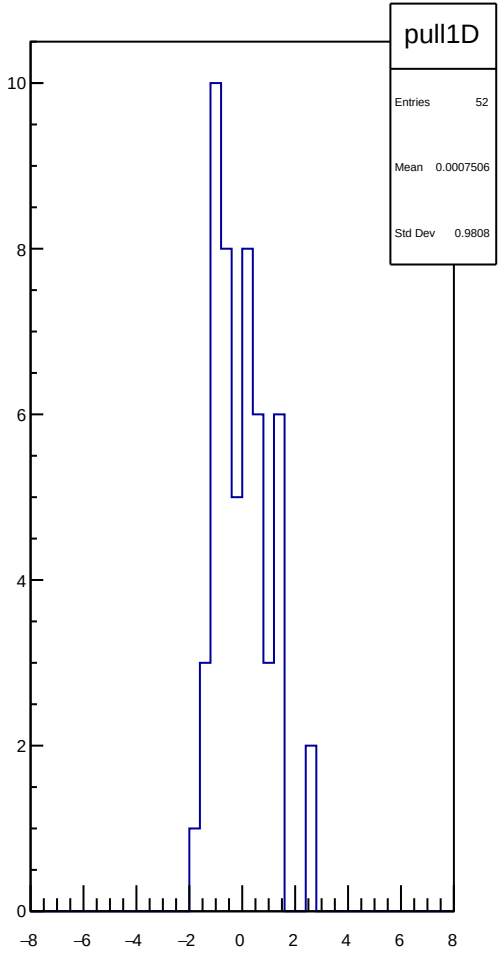
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

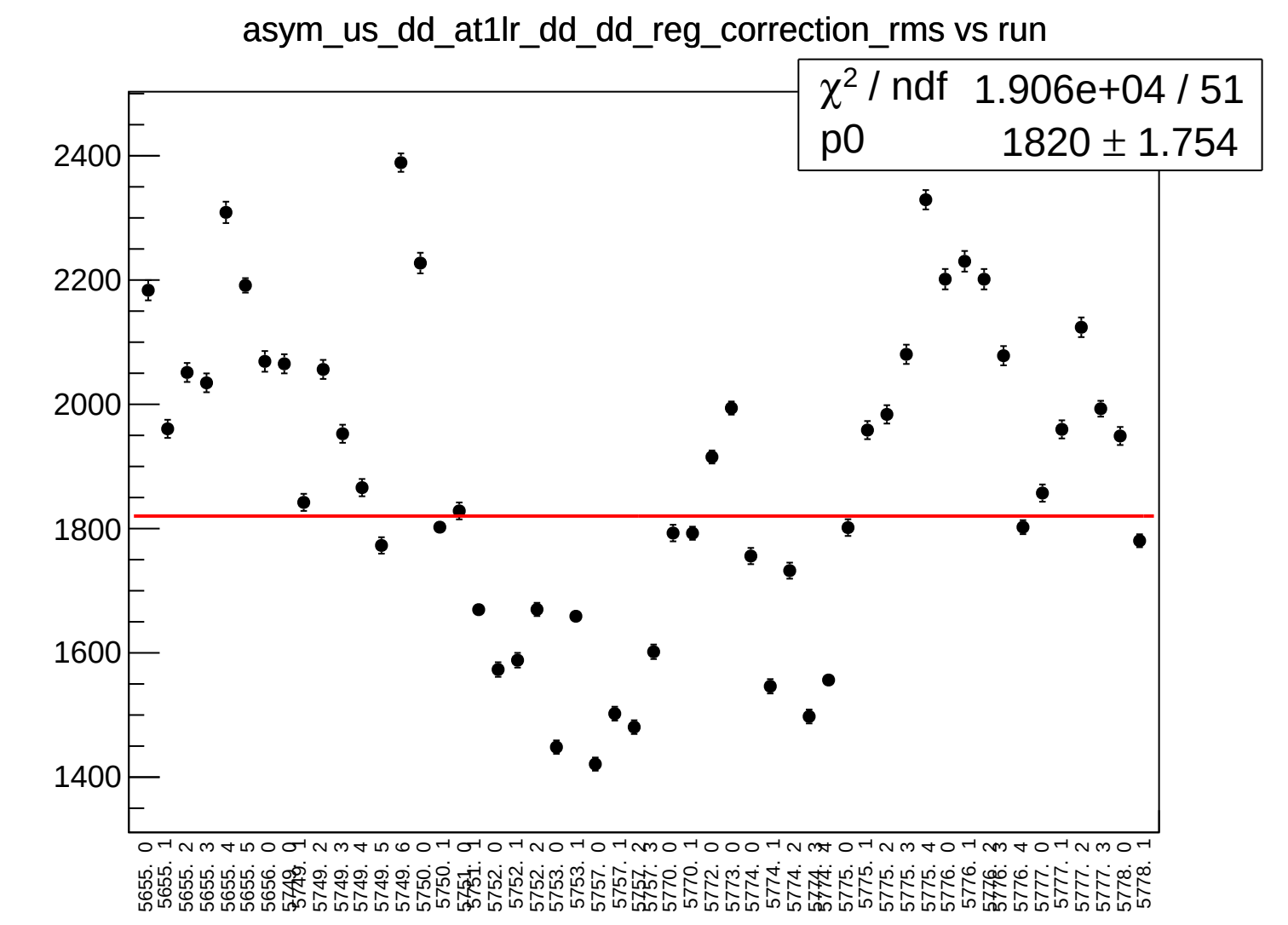

reg_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 40.47 / 51
p0 1014 ± 2886
pull
Entries 52
Mean −52.71
Std Dev 0


pull1D
Entries 52
Mean −0.02478
Std Dev 0.8818


reg_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 175.3 / 51
p0 2137 ± 2.041
2240
2220
2200
2180
2160
2140
2120
2100
2080
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_dd_at1lr_dd_dd_reg_correction_mean vs run
χ² / ndf 50.02 / 51
p0 982 ± 2480
pull
Entries 52
Mean −2732
Std Dev 0


pull1D
Entries 52
Mean 0.0007506
Std Dev 0.9808


asym_us_dd_at1lr_dd_dd_reg_correction_rms vs run
χ² / ndf 1.906e+04 / 51
p0 1820 ± 1.754
2400
2200
2000
1800
1600
1400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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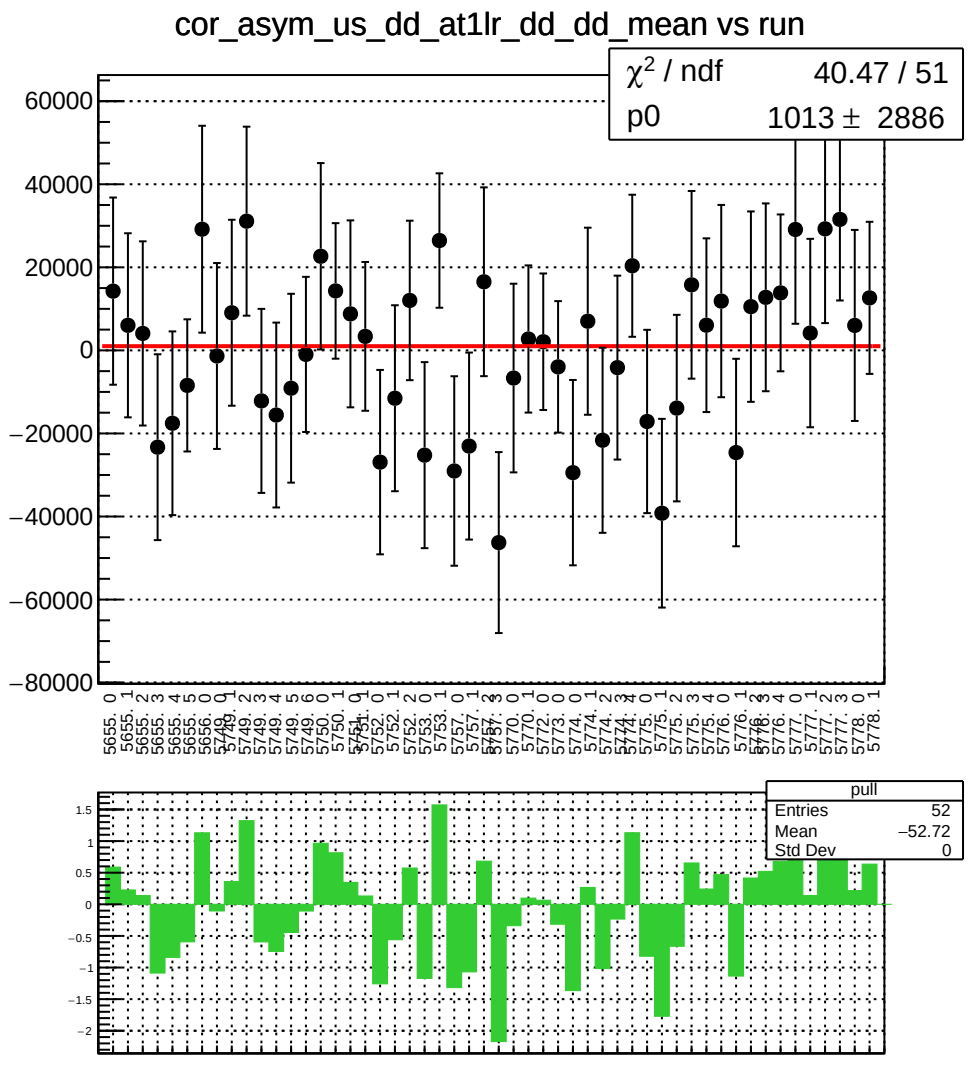
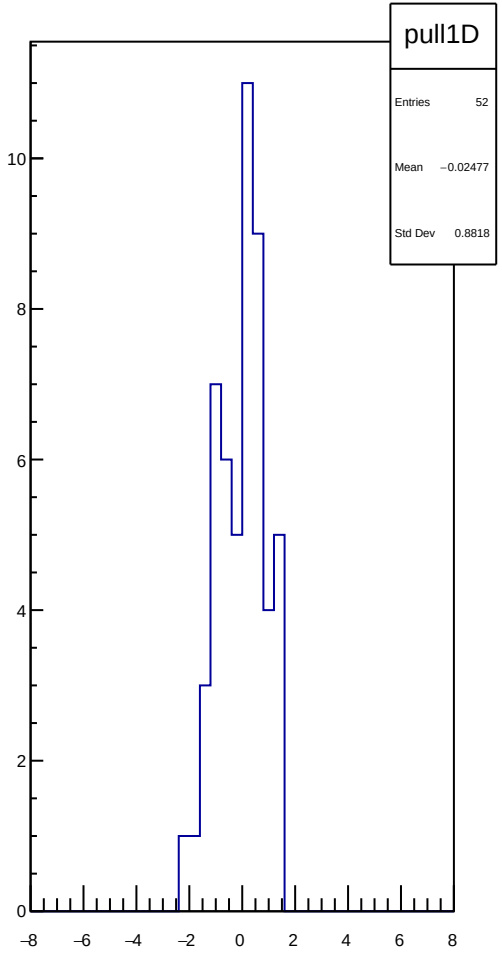
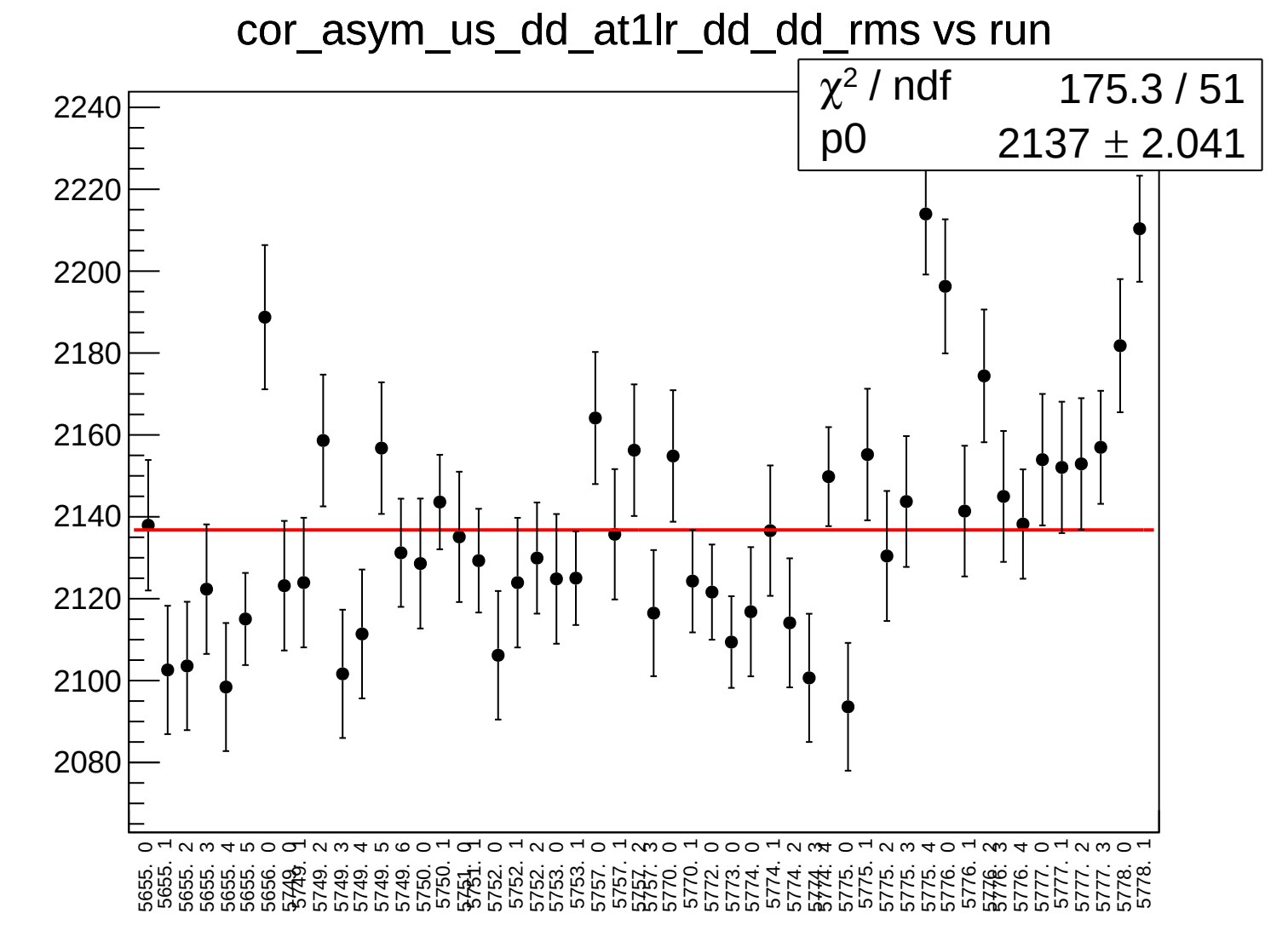
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 40.47 / 51
p0 1013 ± 2886
pull
Entries 52
Mean −52.72
Std Dev 0


pull1D
Entries 52
Mean −0.02477
Std Dev 0.8818


cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 175.3 / 51
p0 2137 ± 2.041
2240
2220
2200
2180
2160
2140
2120
2100
2080
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
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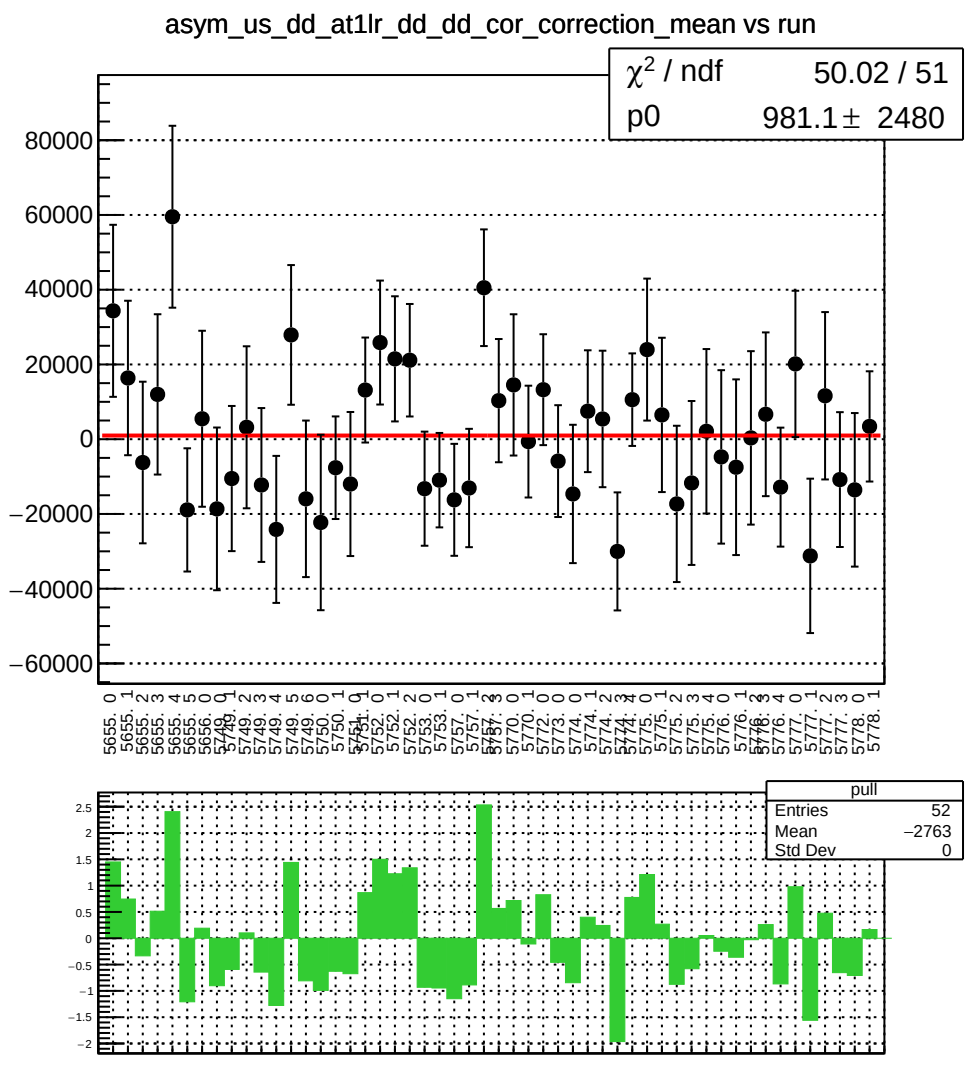
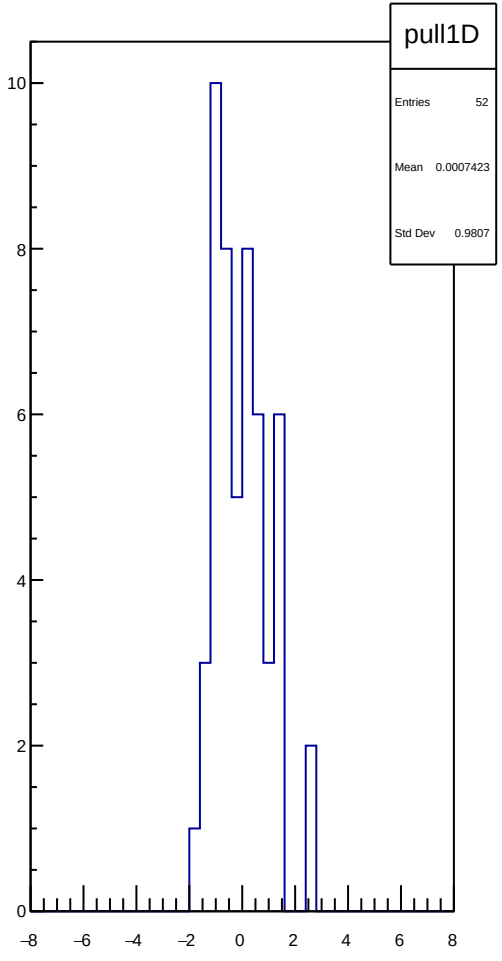
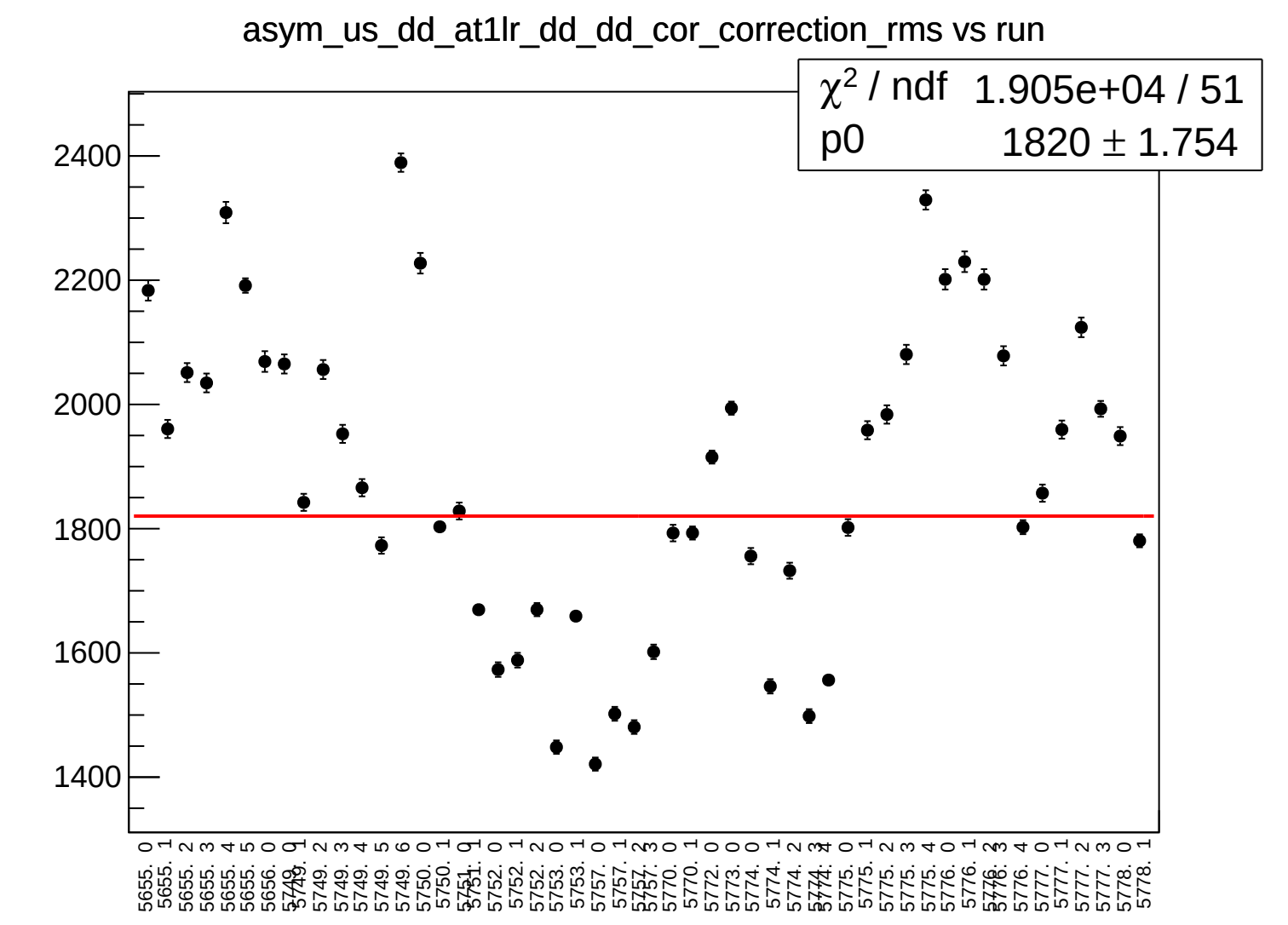
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_dd_at1lr_dd_dd_cor_correction_mean vs run
χ² / ndf 50.02 / 51
p0 981.1 ± 2480
pull
Entries 52
Mean −2763
Std Dev 0


pull1D
Entries 52
Mean 0.0007423
Std Dev 0.9807


asym_us_dd_at1lr_dd_dd_cor_correction_rms vs run
χ² / ndf 1.905e+04 / 51
p0 1820 ± 1.754
2400
2200
2000
1800
1600
1400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
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5752. 2
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5757. 2
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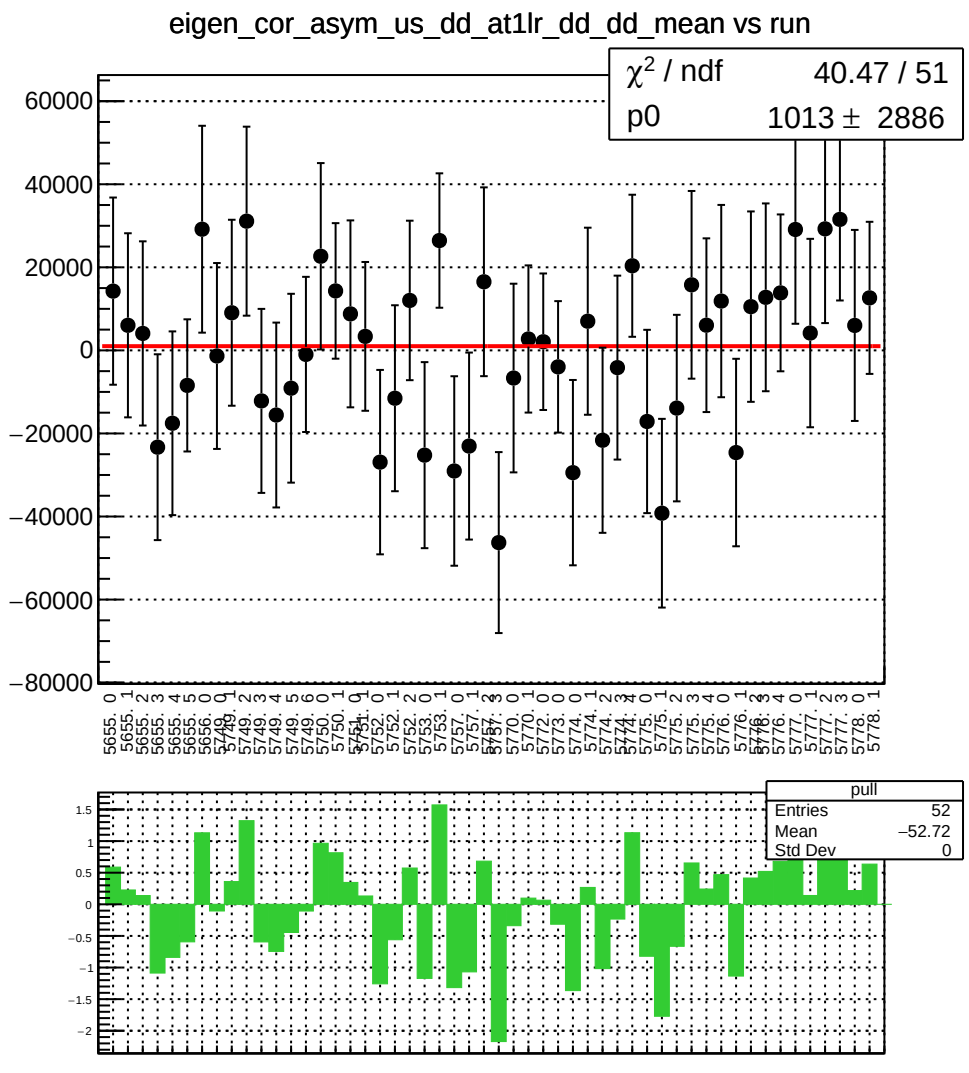
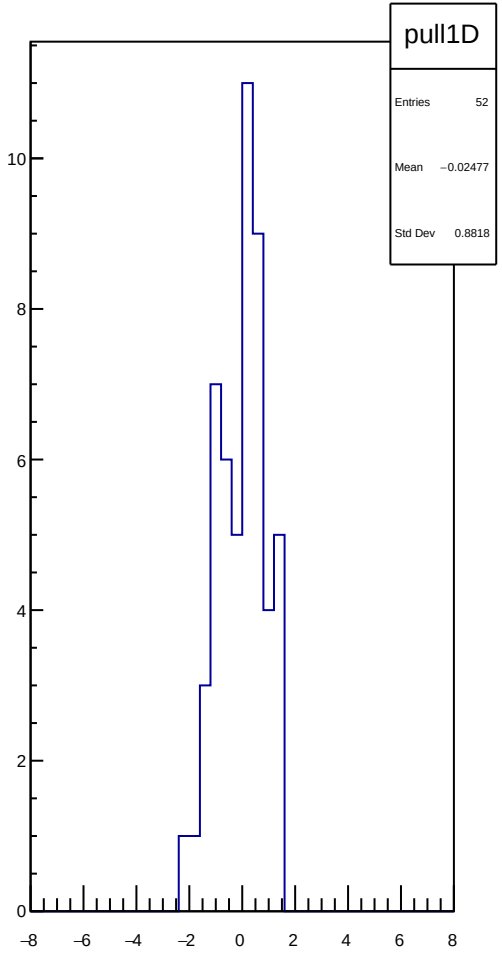
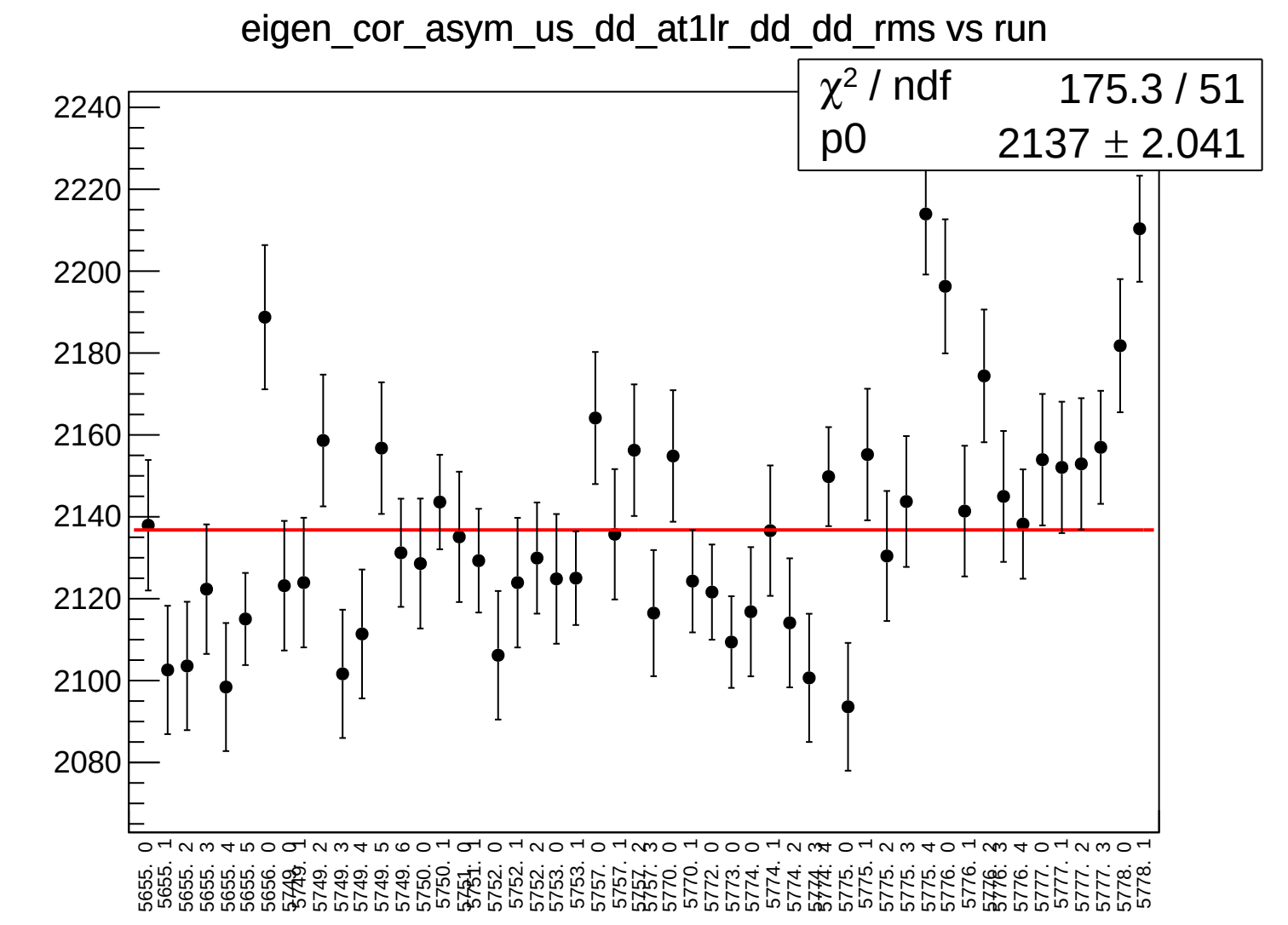
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 40.47 / 51
p0 1013 ± 2886
pull
Entries 52
Mean −52.72
Std Dev 0


pull1D
Entries 52
Mean −0.02477
Std Dev 0.8818


eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 175.3 / 51
p0 2137 ± 2.041
2240
2220
2200
2180
2160
2140
2120
2100
2080
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5776. 0
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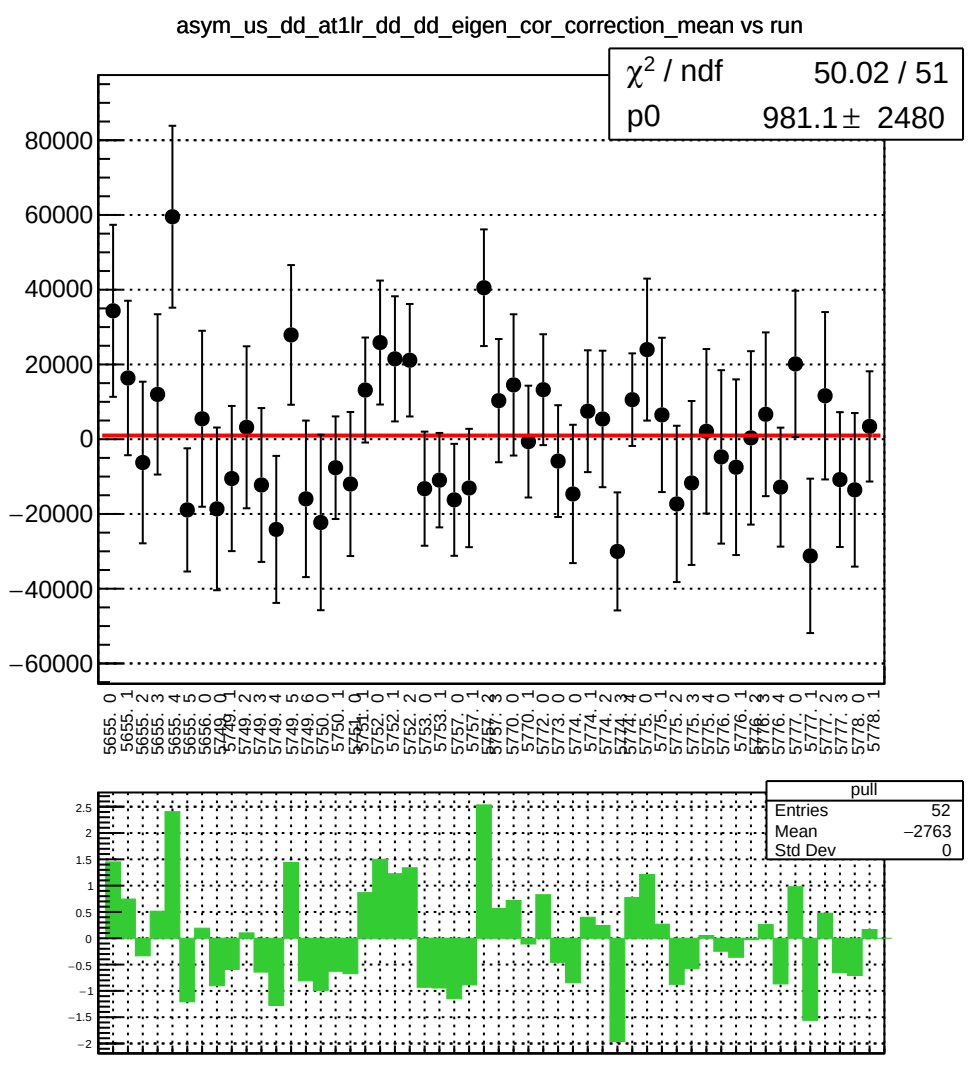
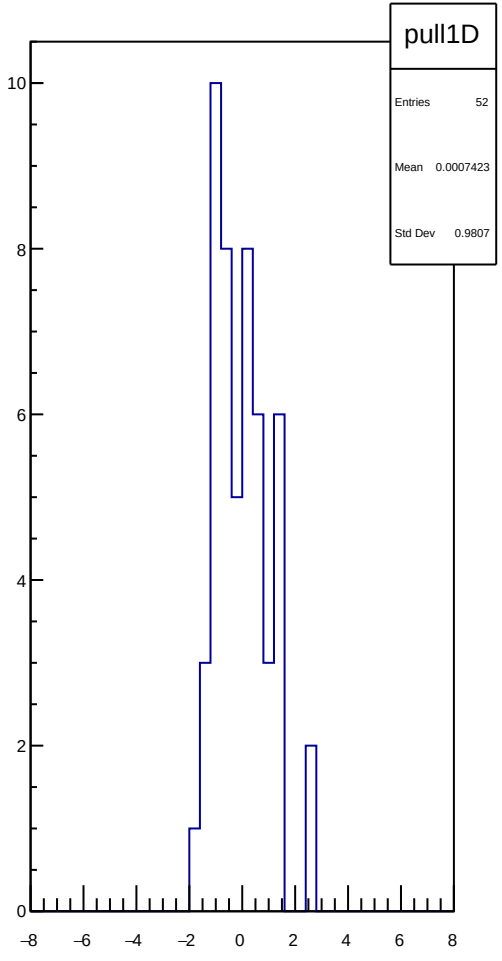
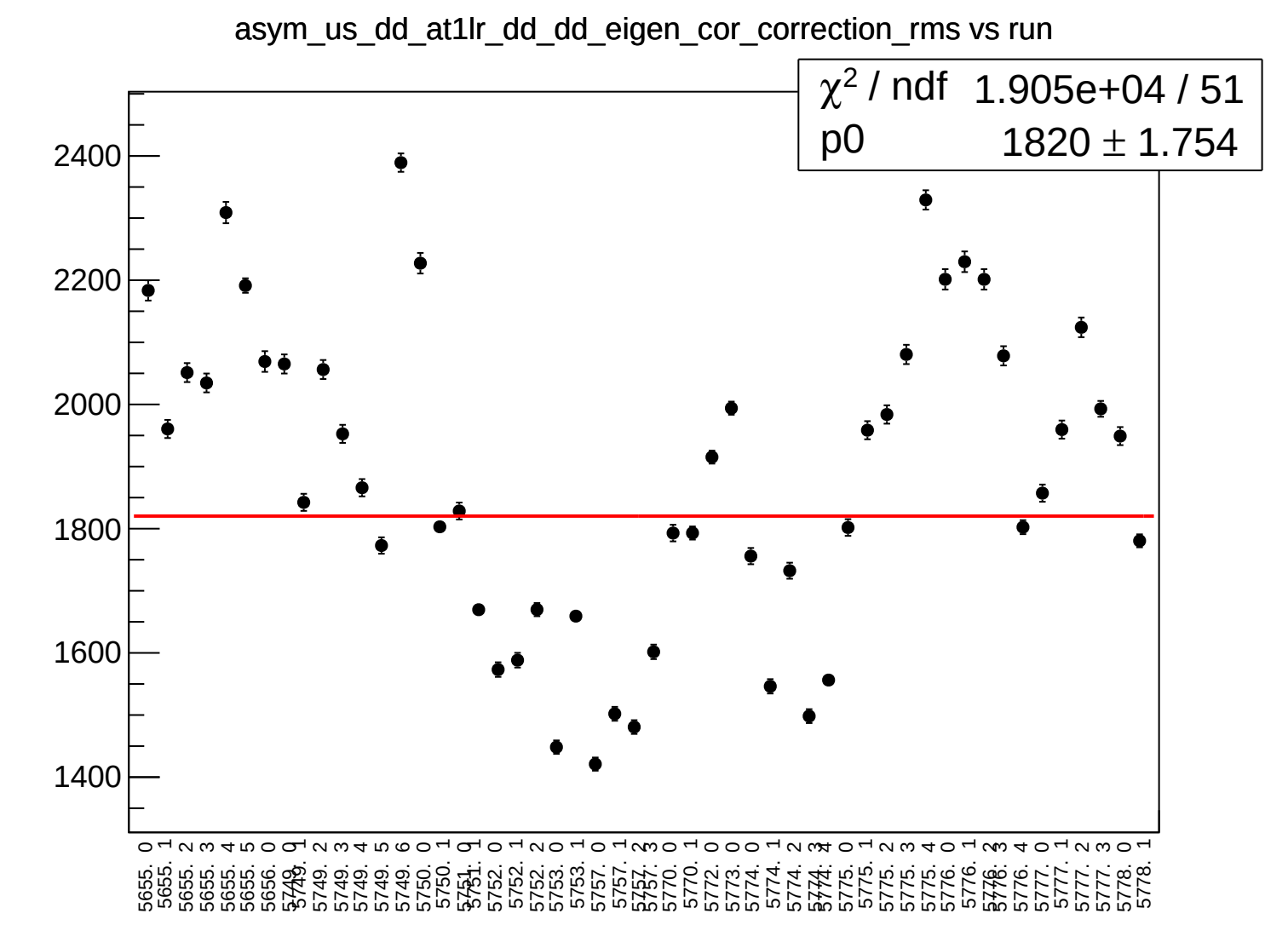

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 50.02 / 51
p0 981.1 ± 2480
pull
Entries 52
Mean −2763
Std Dev 0


pull1D
Entries 52
Mean 0.0007423
Std Dev 0.9807


asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.905e+04 / 51
p0 1820 ± 1.754
2400
2200
2000
1800
1600
1400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5770. 1
5772. 0
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5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
5777. 0
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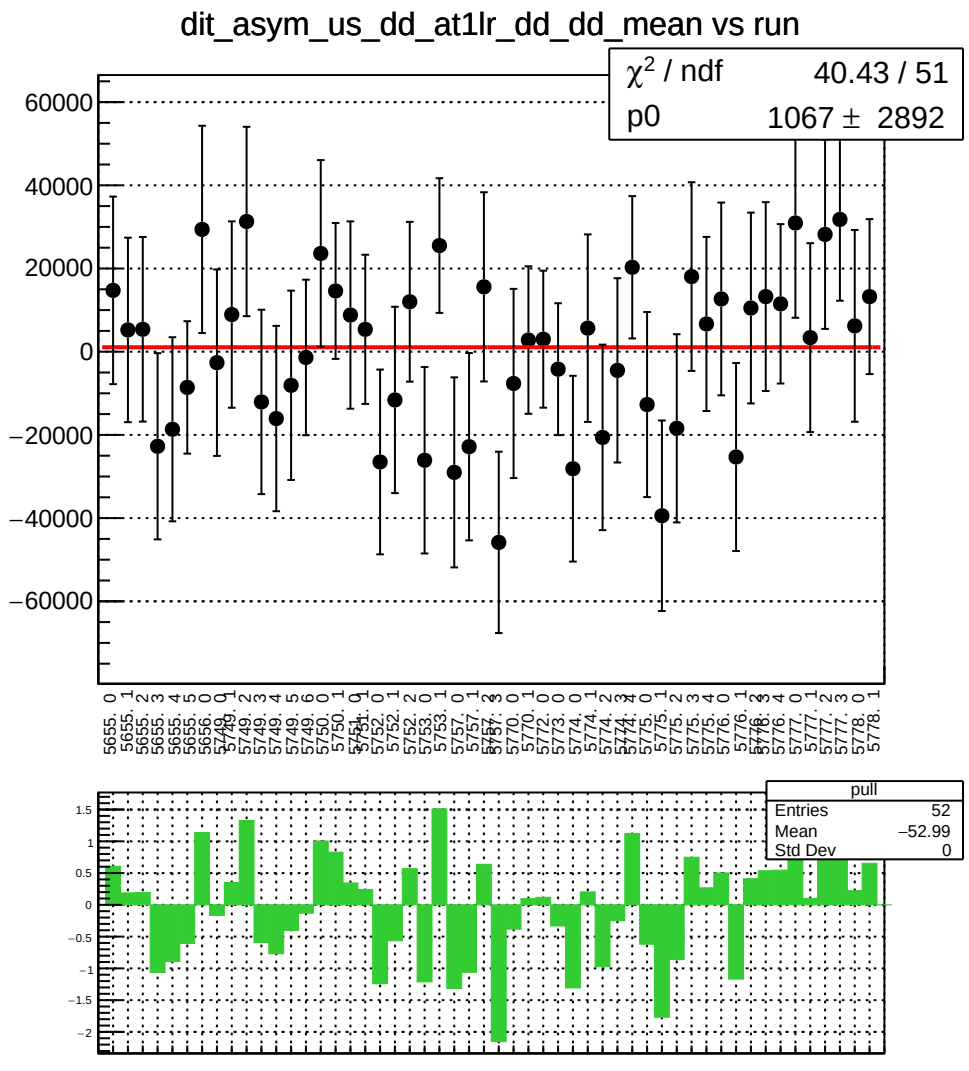
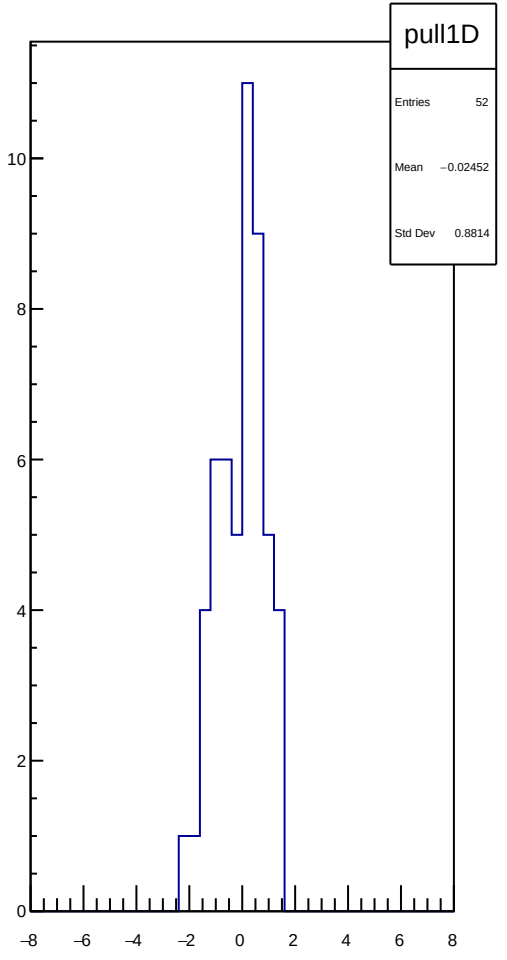
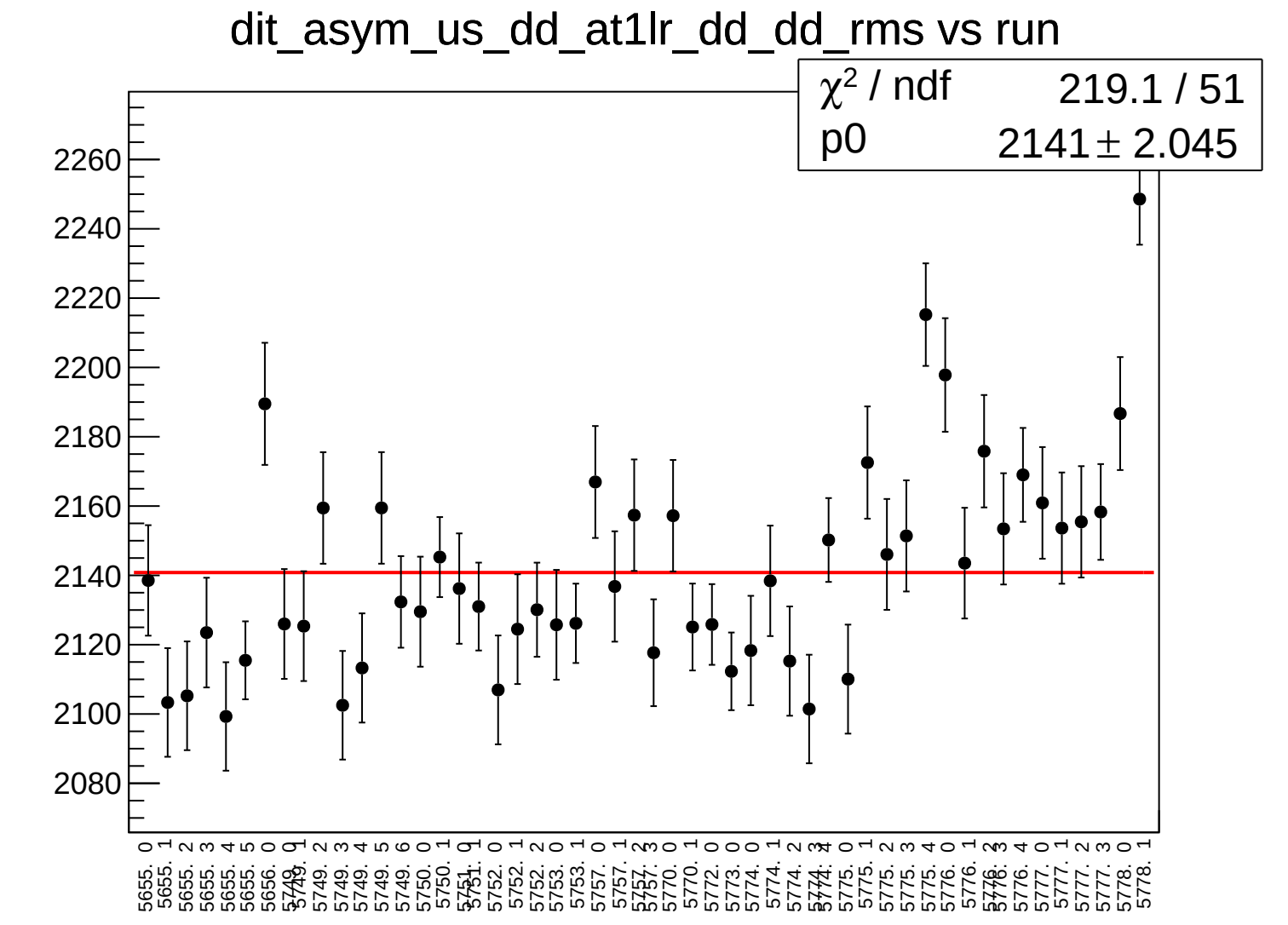
5777. 2
5777. 3
5778. 0
5778. 1


dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 40.43 / 51
p0 1067 ± 2892
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −52.99
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean −0.02452
Std Dev 0.8814
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 219.1 / 51
p0 2141 ± 2.045
2260
2240
2220
2200
2180
2160
2140
2120
2100
2080
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5749. 2
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5749. 4
5749. 5
5749. 6
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5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5770. 1
5772. 0
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5774. 0
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5774. 2
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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5776. 3
5776. 4
5777. 0
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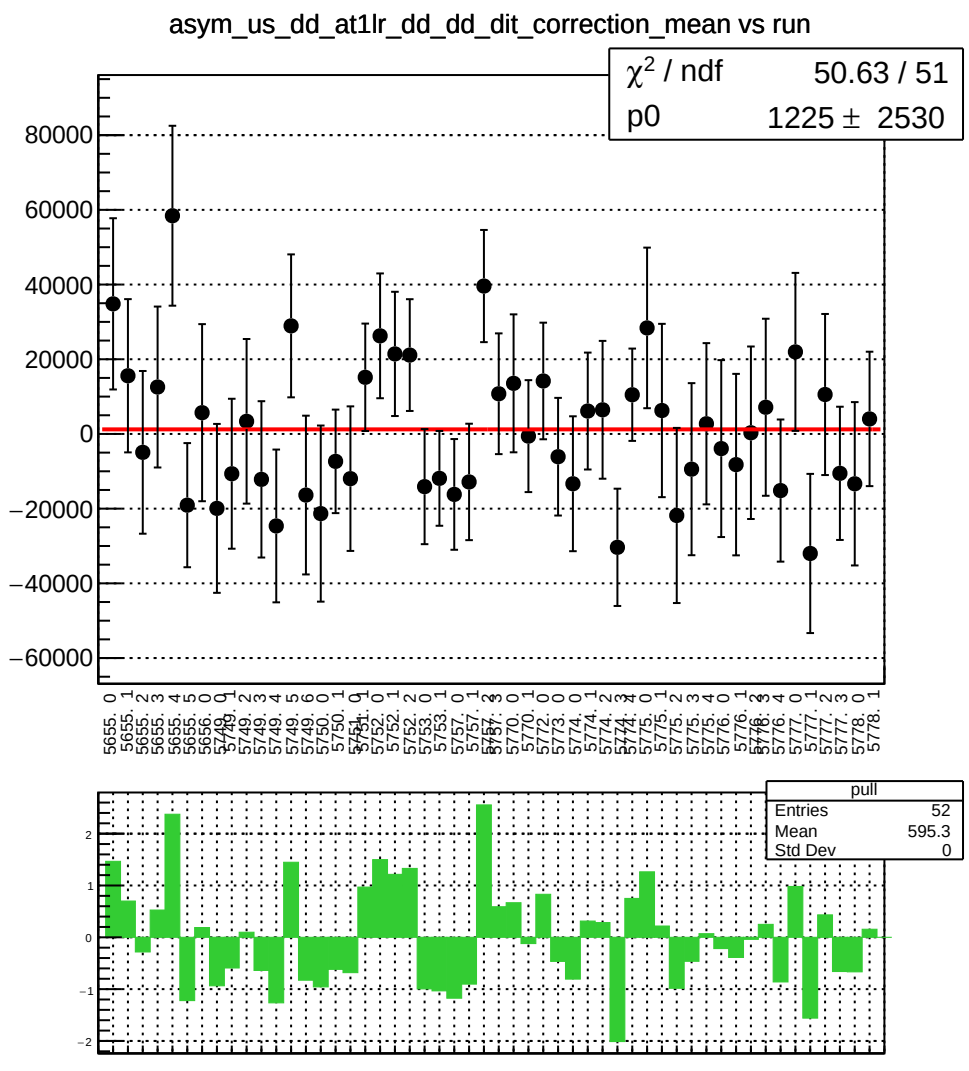
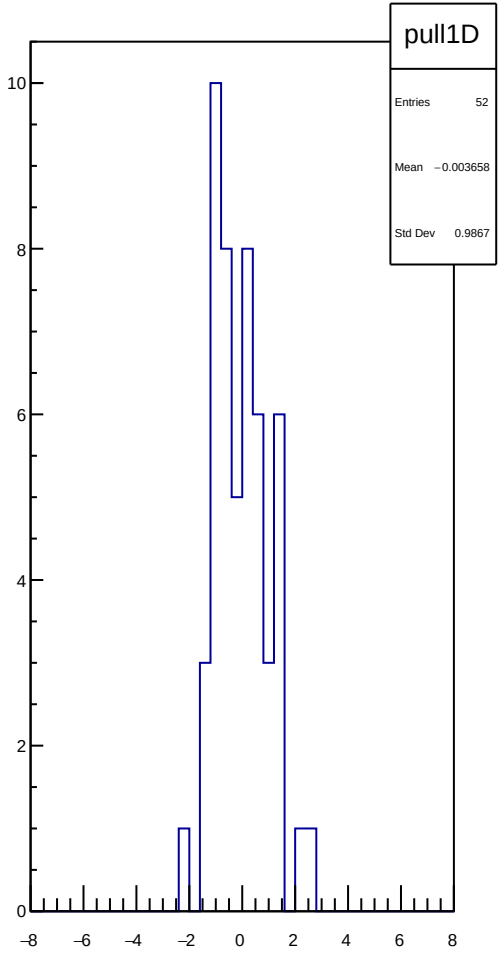
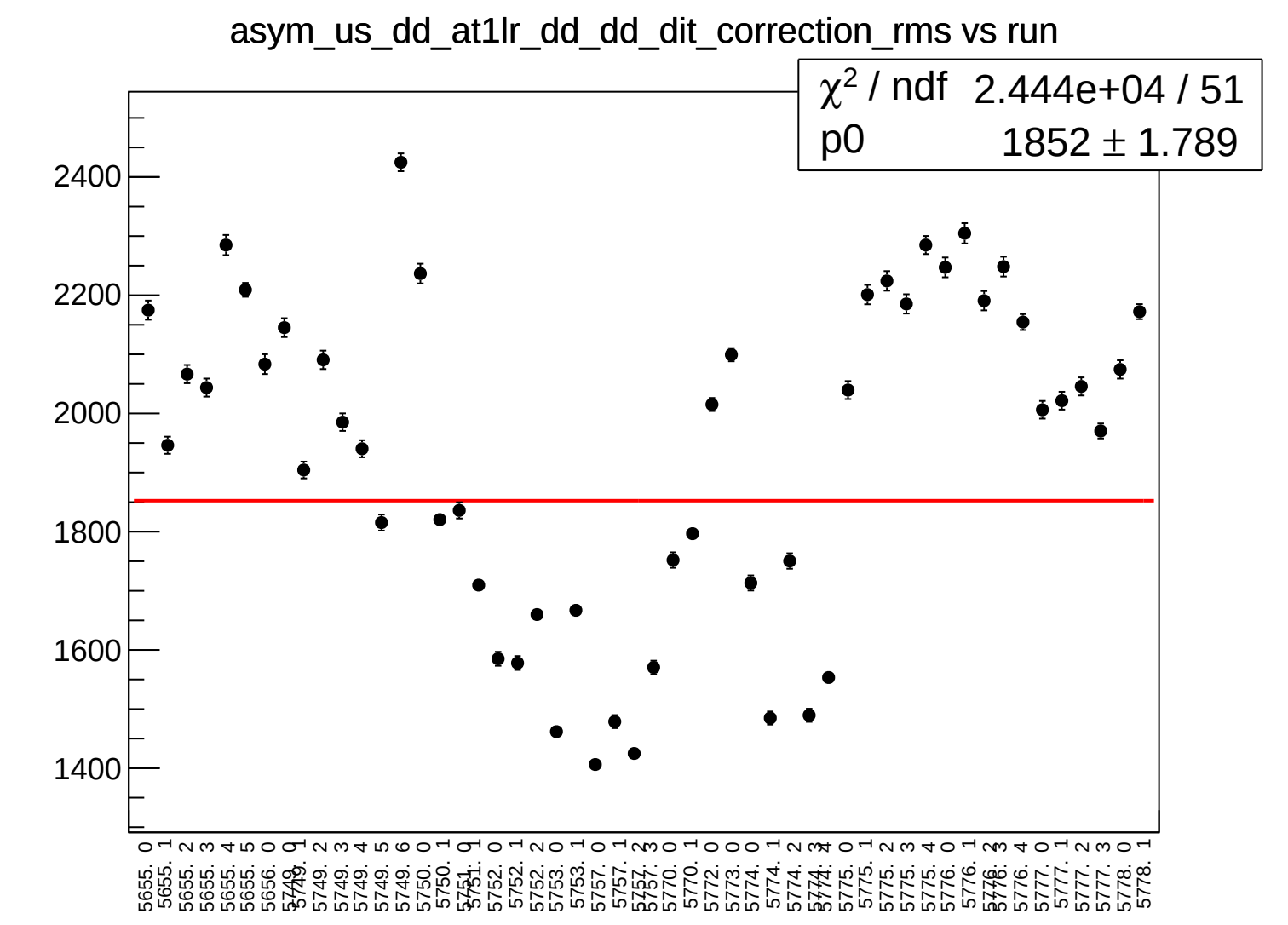
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_dd_at1lr_dd_dd_dit_correction_mean vs run
χ² / ndf 50.63 / 51
p0 1225 ± 2530
pull
Entries 52
Mean 595.3
Std Dev 0


pull1D
Entries 52
Mean −0.003658
Std Dev 0.9867


asym_us_dd_at1lr_dd_dd_dit_correction_rms vs run
χ² / ndf 2.444e+04 / 51
p0 1852 ± 1.789
2400
2200
2000
1800
1600
1400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
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5775. 4
5776. 0
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5777. 2
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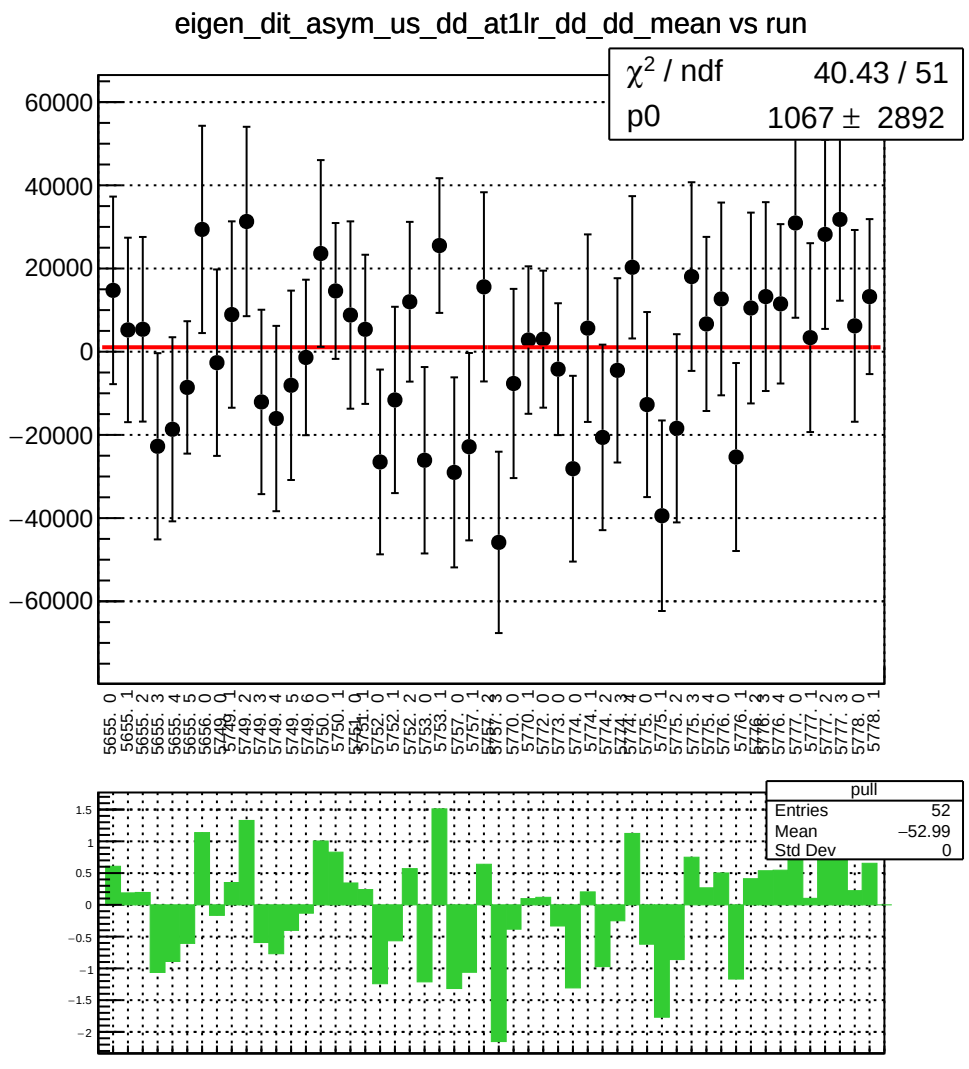
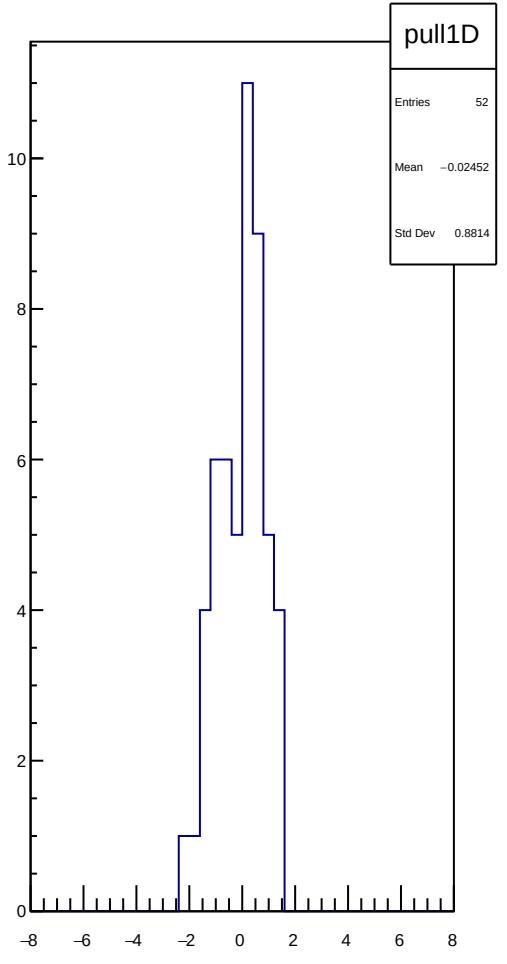
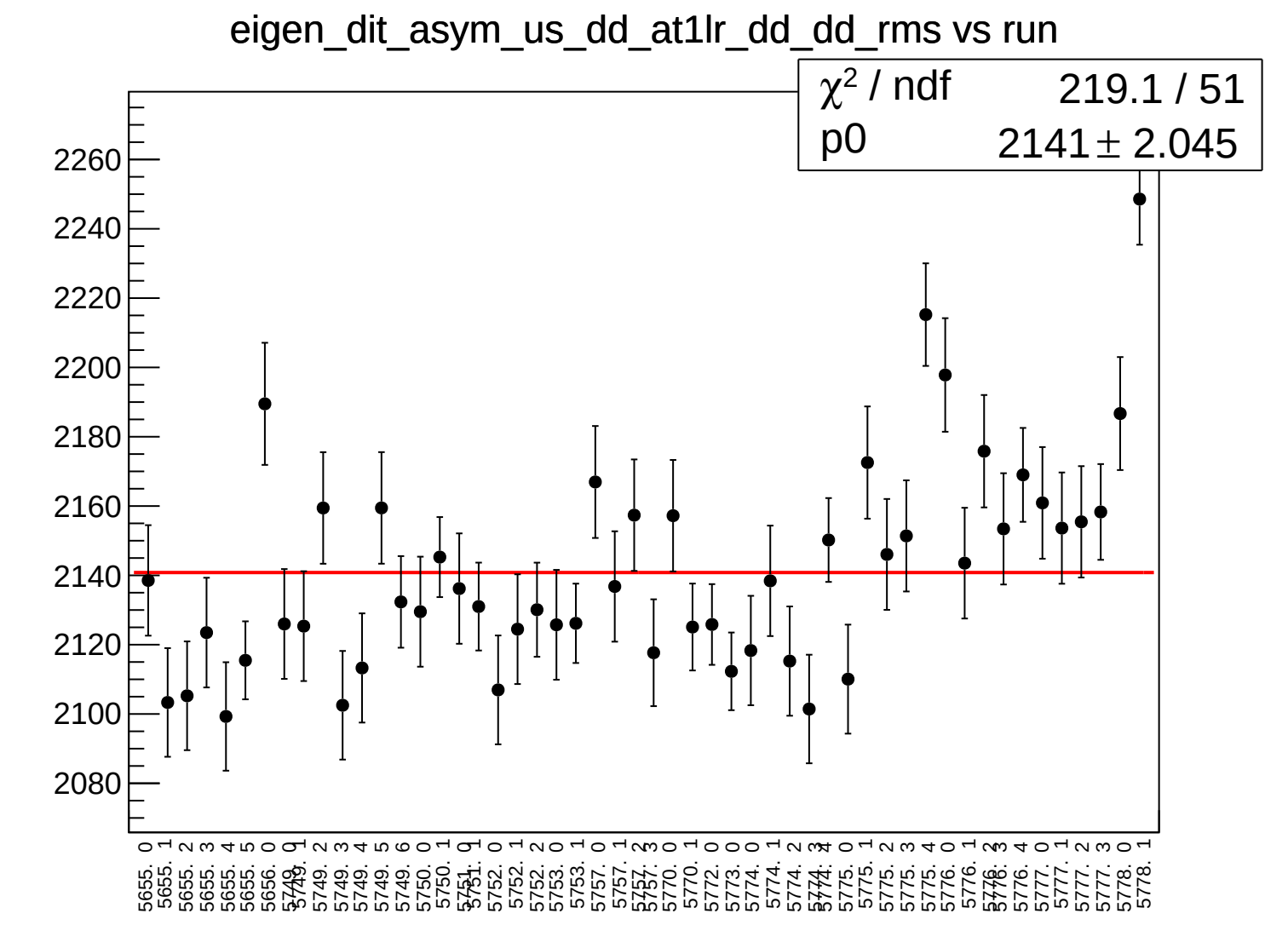
5778. 0
5778. 1


eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 40.43 / 51
p0 1067 ± 2892
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −52.99
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean −0.02452
Std Dev 0.8814
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 219.1 / 51
p0 2141 ± 2.045
2260
2240
2220
2200
2180
2160
2140
2120
2100
2080
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
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5770. 1
5772. 0
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5774. 0
5774. 1
5774. 2
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5775. 3
5775. 4
5776. 0
5776. 1
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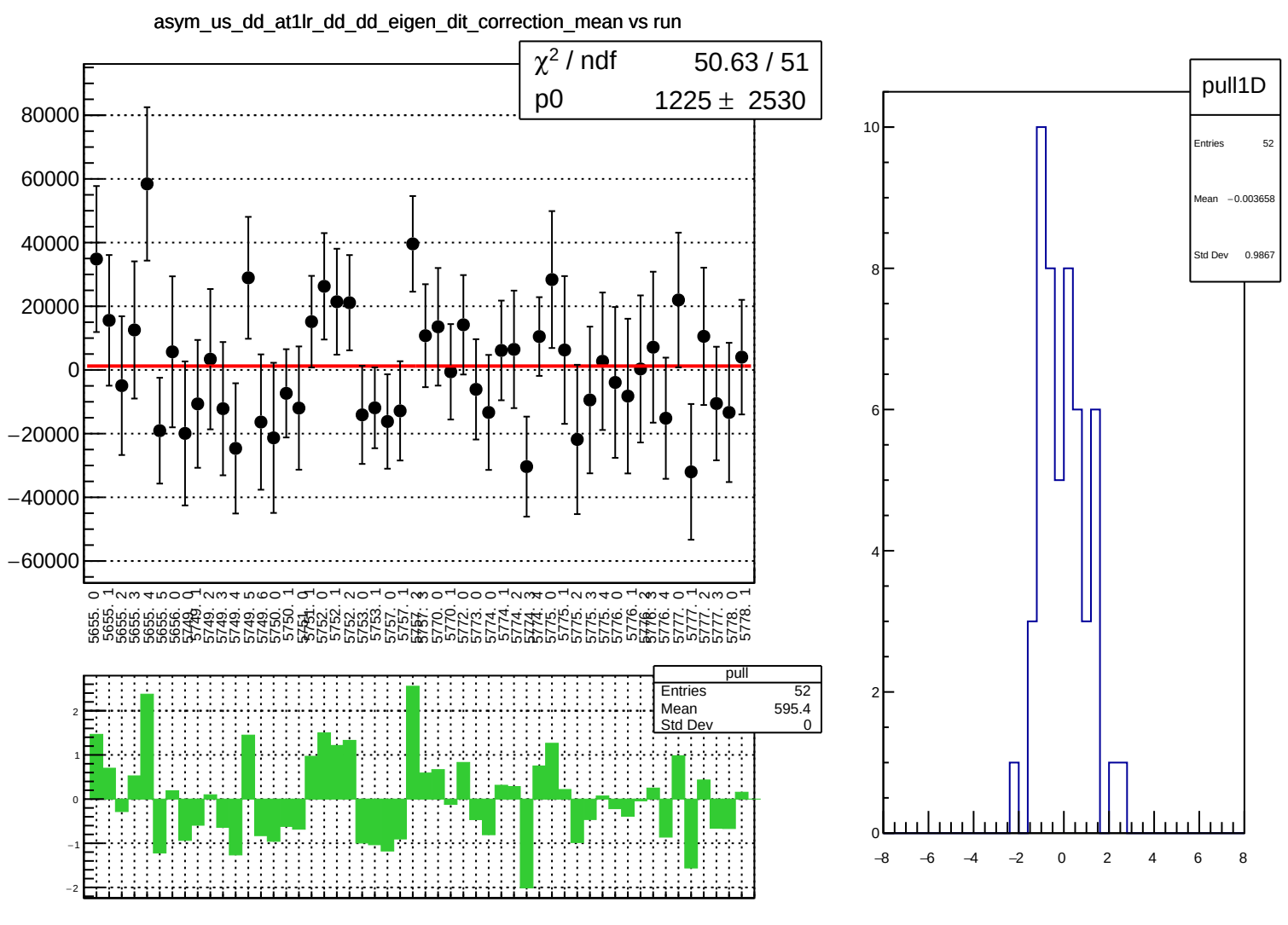
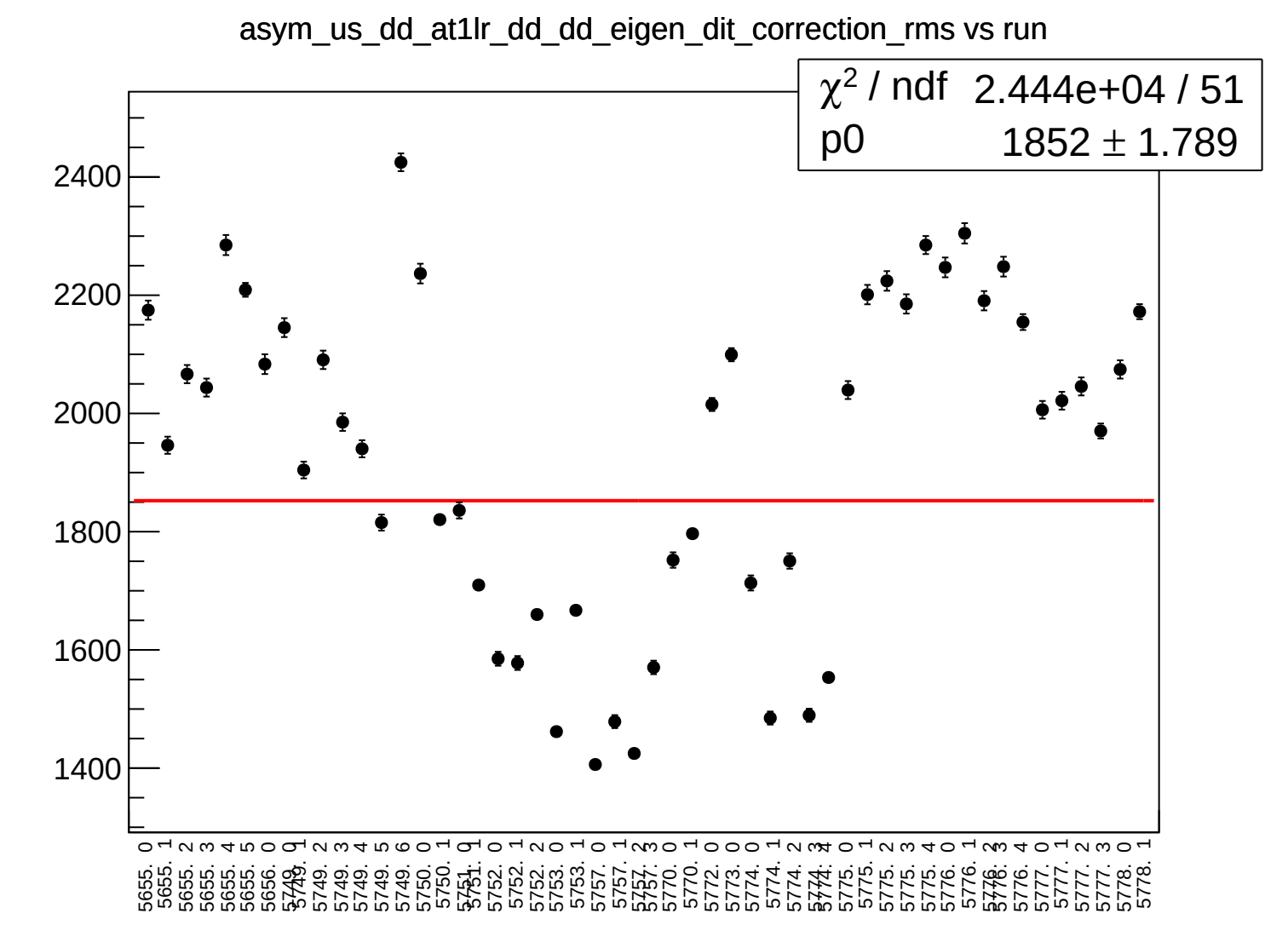
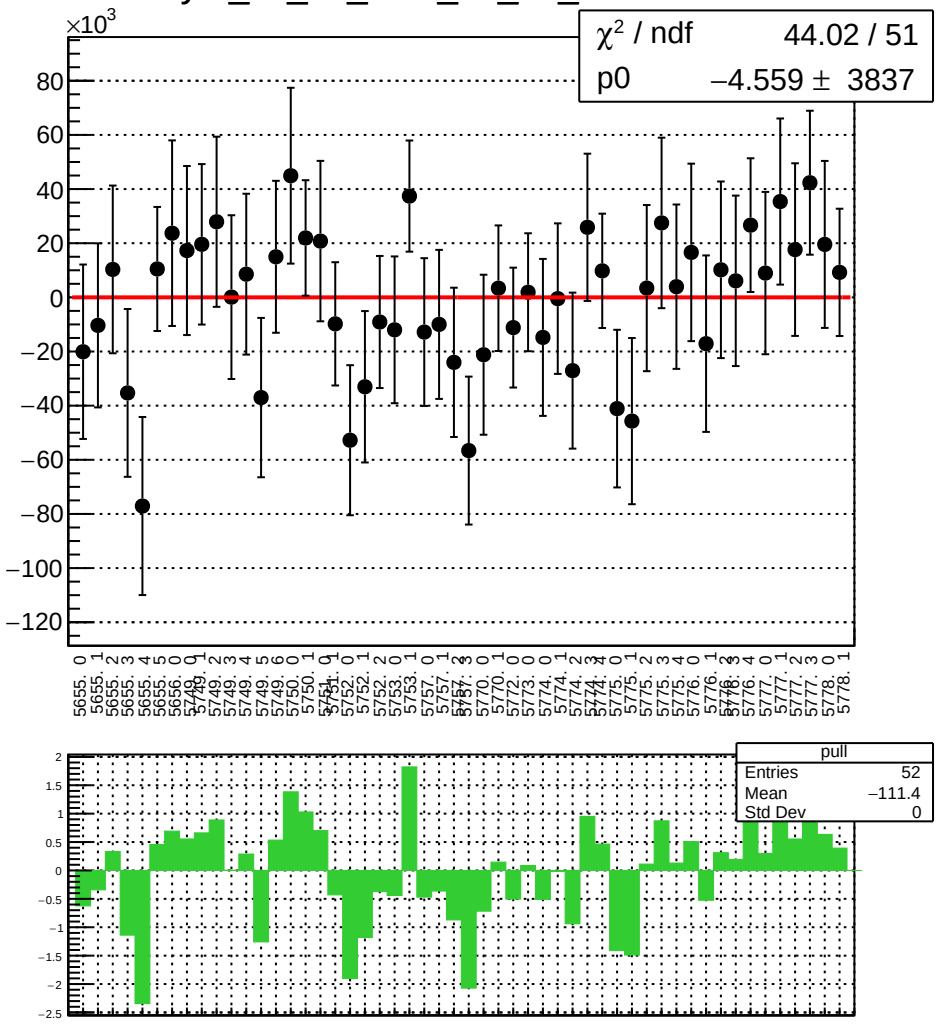
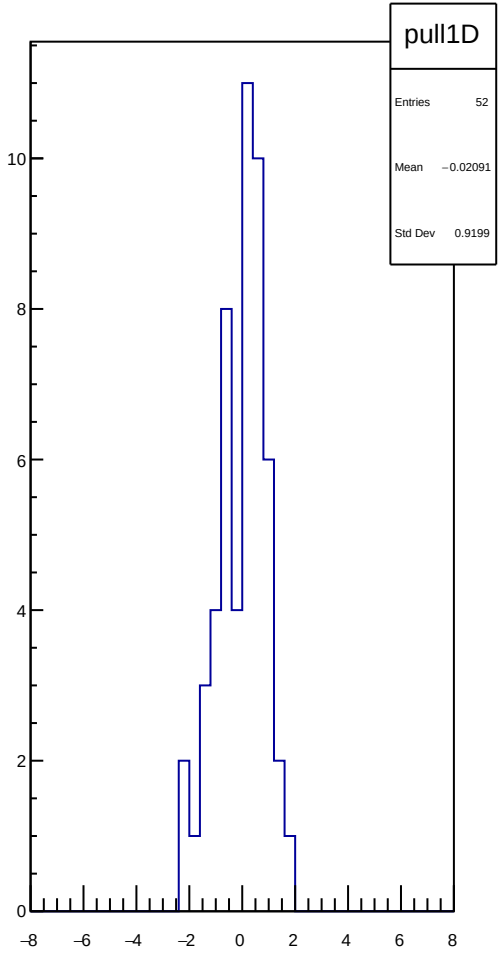
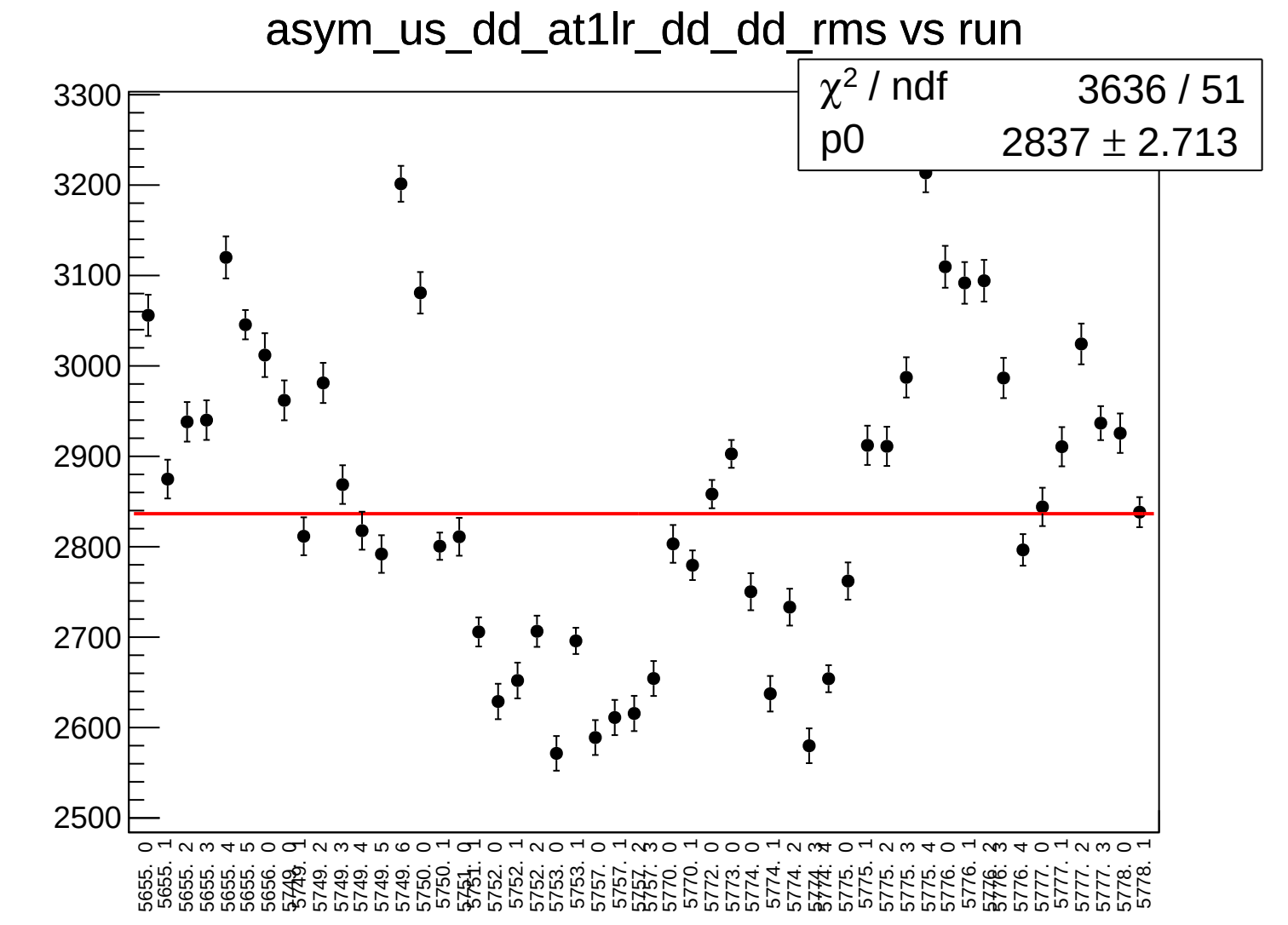
5777. 2
5777. 3
5778. 0
5778. 1

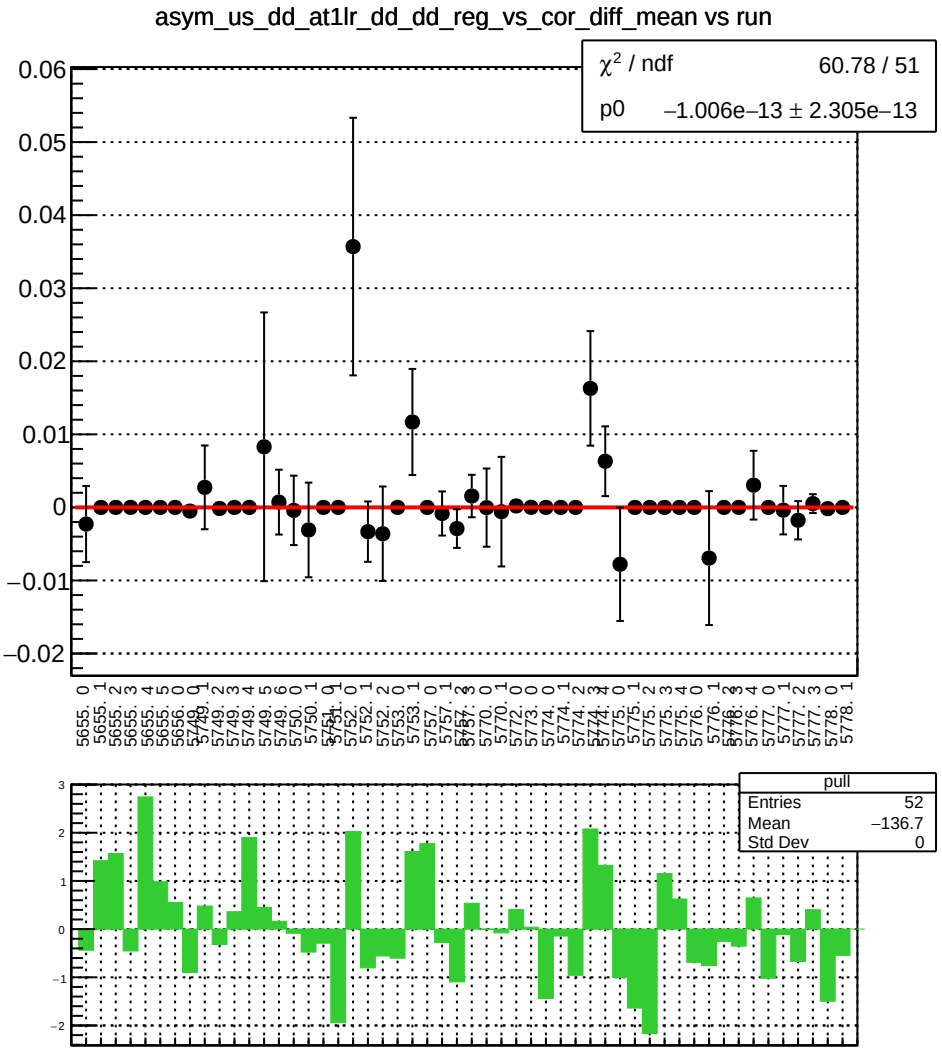

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 50.63 / 51
p0 1225 ± 2530
pull
Entries 52
Mean 595.4
Std Dev 0
pull1D
Entries 52
Mean −0.003658
Std Dev 0.9867

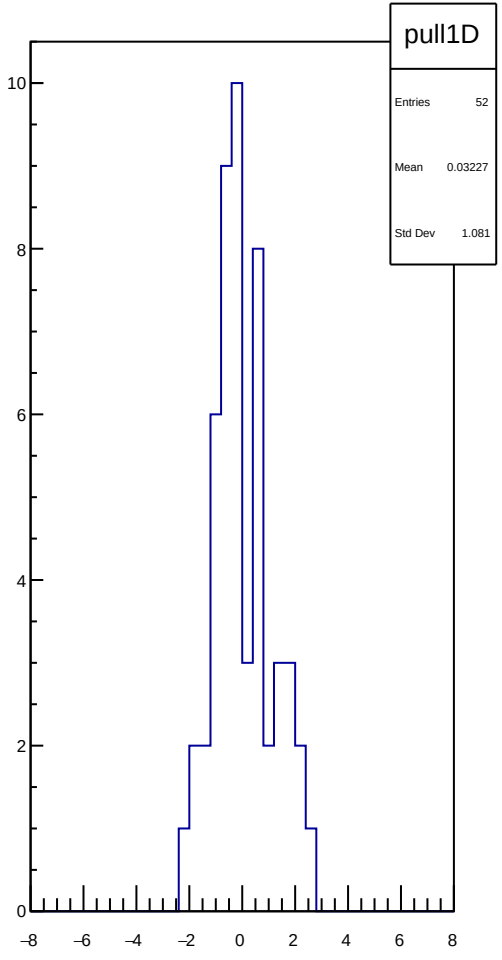

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.444e+04 / 51
p0 1852 ± 1.789
2400
2200
2000
1800
1600
1400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

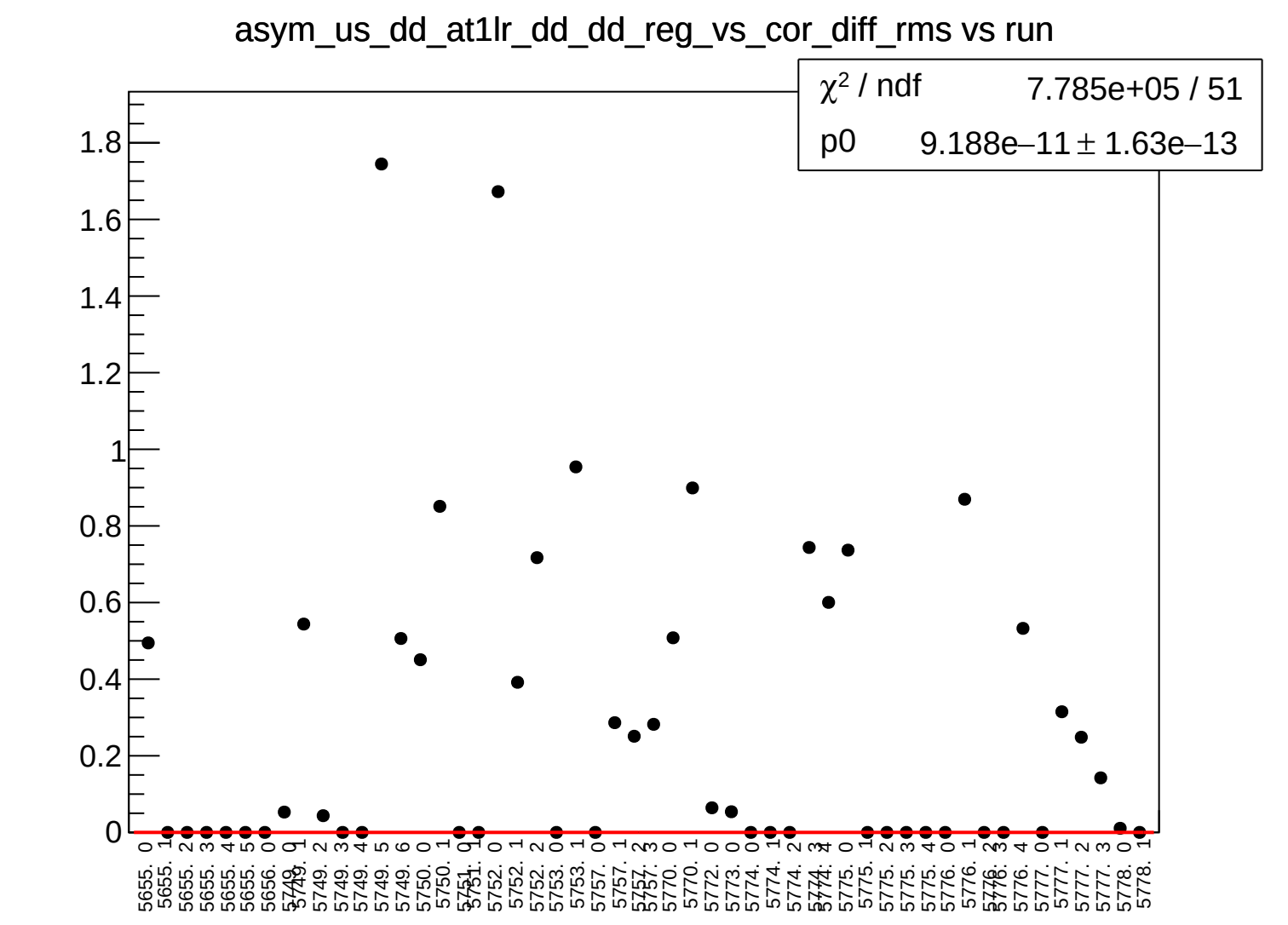

asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 44.02 / 51
p0 −4.559 ± 3837
×10³
pull
Entries 52
Mean −111.4
Std Dev 0

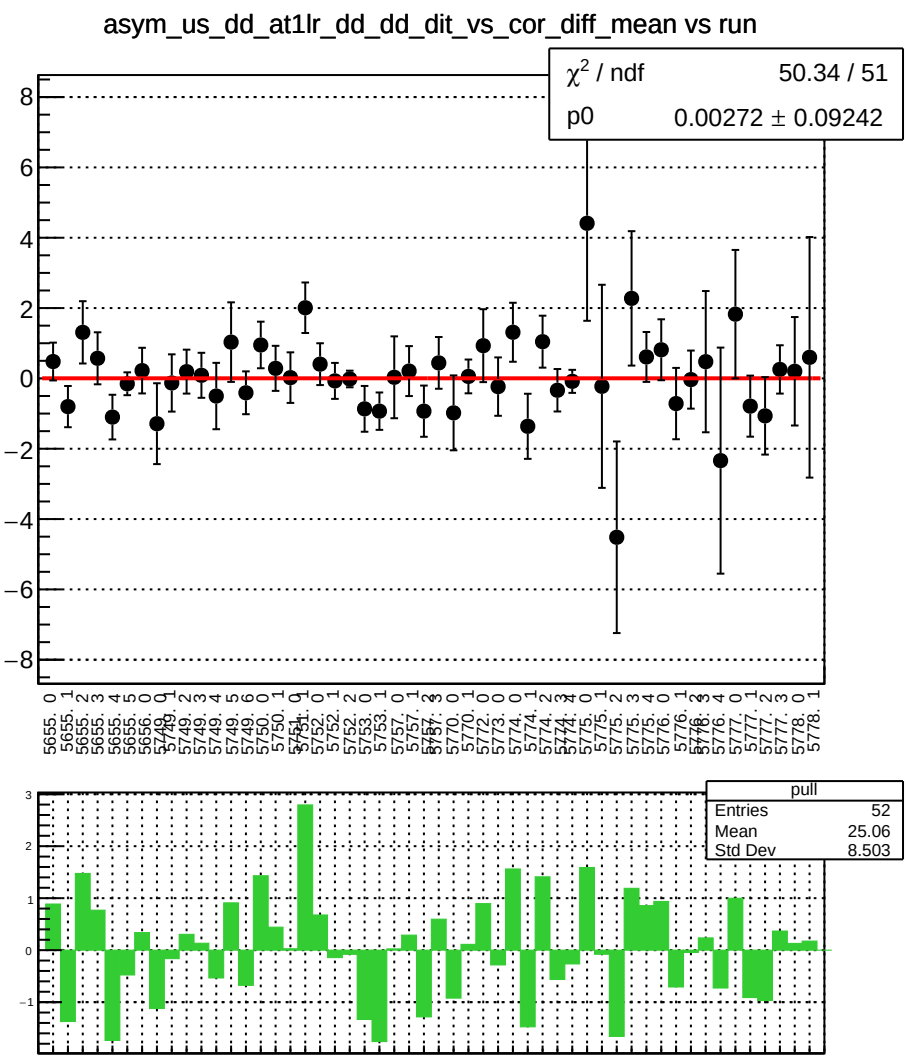

pull1D
Entries 52
Mean −0.02091
Std Dev 0.9199

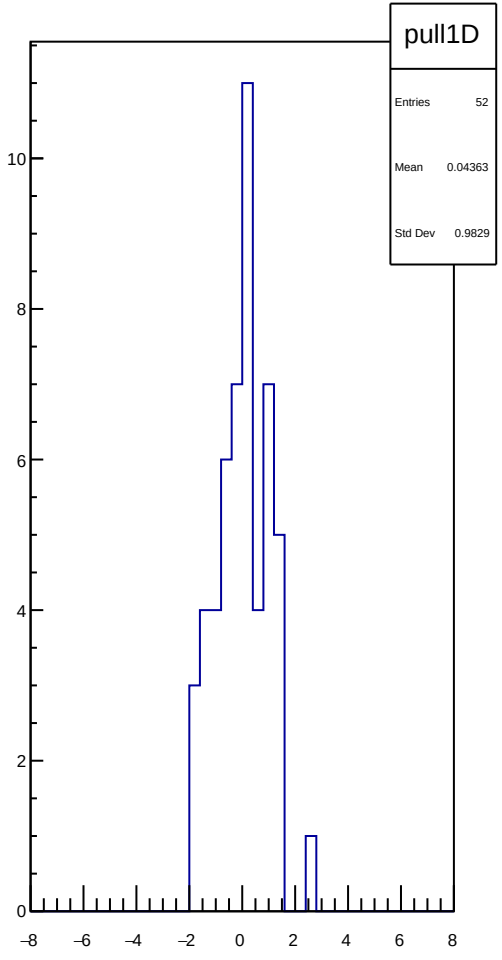

asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 3636 / 51
p0 2837 ± 2.713
3300
3200
3100
3000
2900
2800
2700
2600
2500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

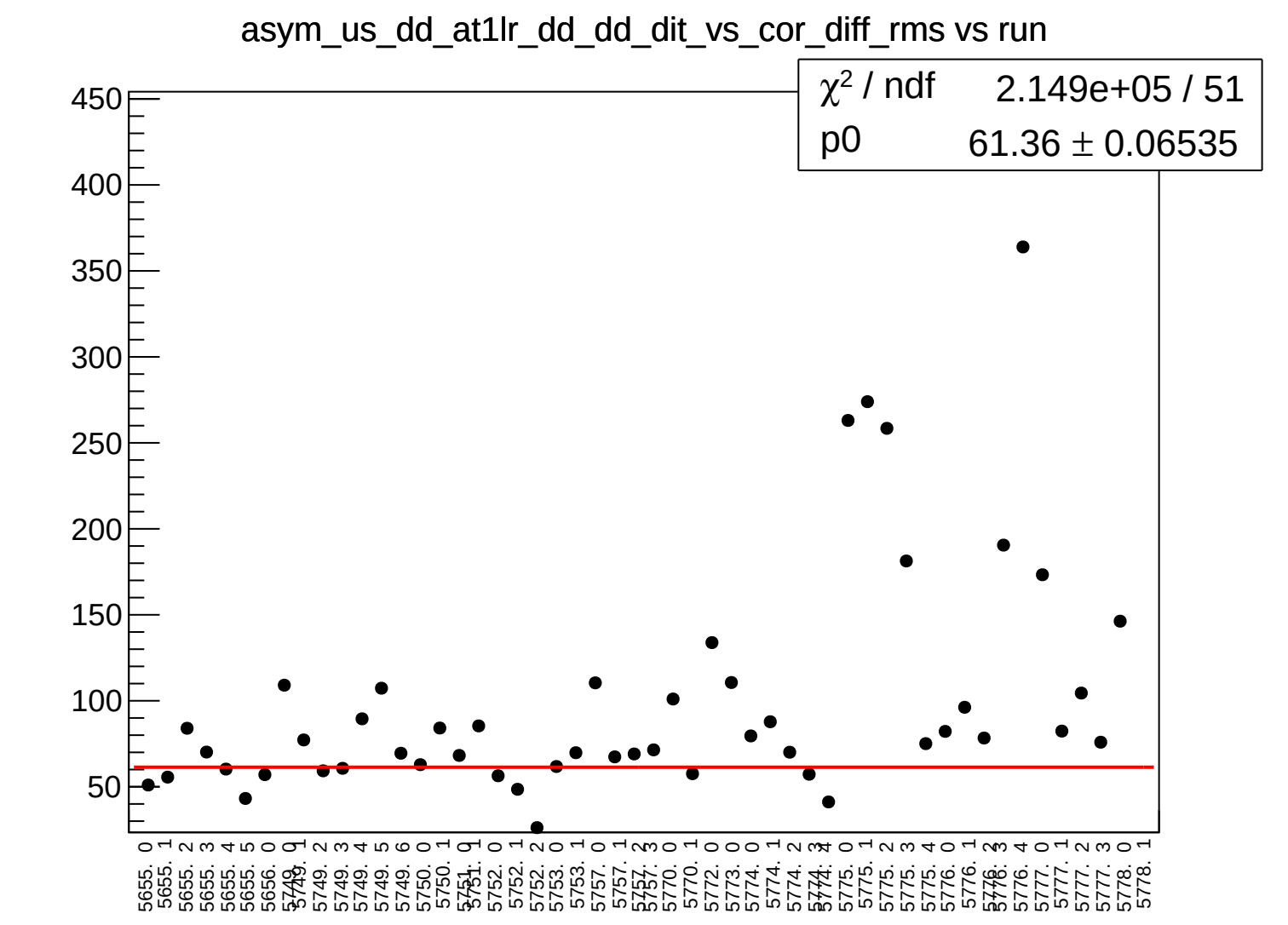

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 60.78 / 51
p0 −1.006e−13 ± 2.305e−13
pull
Entries 52
Mean −136.7
Std Dev 0

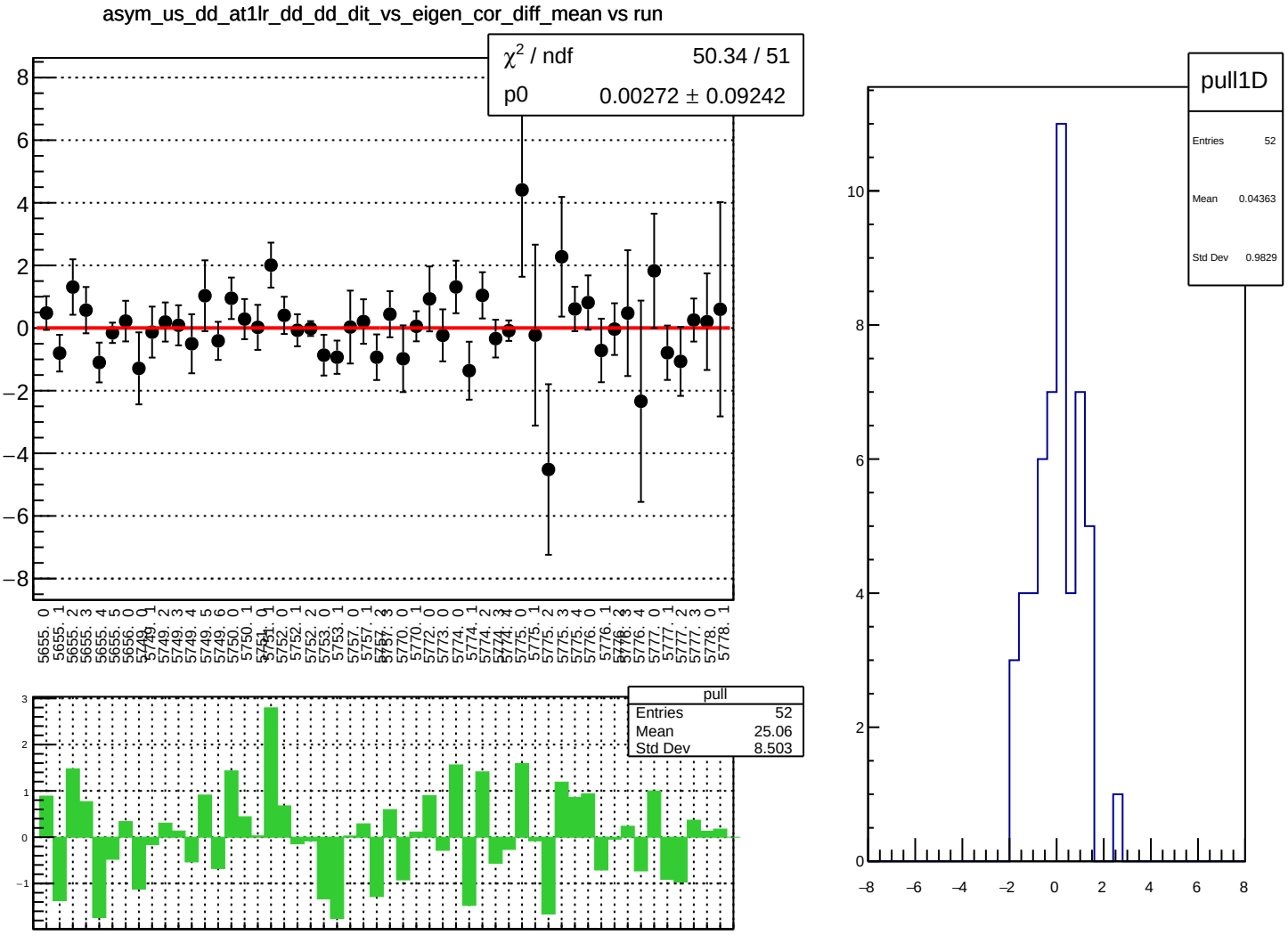

pull1D
Entries 52
Mean 0.03227
Std Dev 1.081

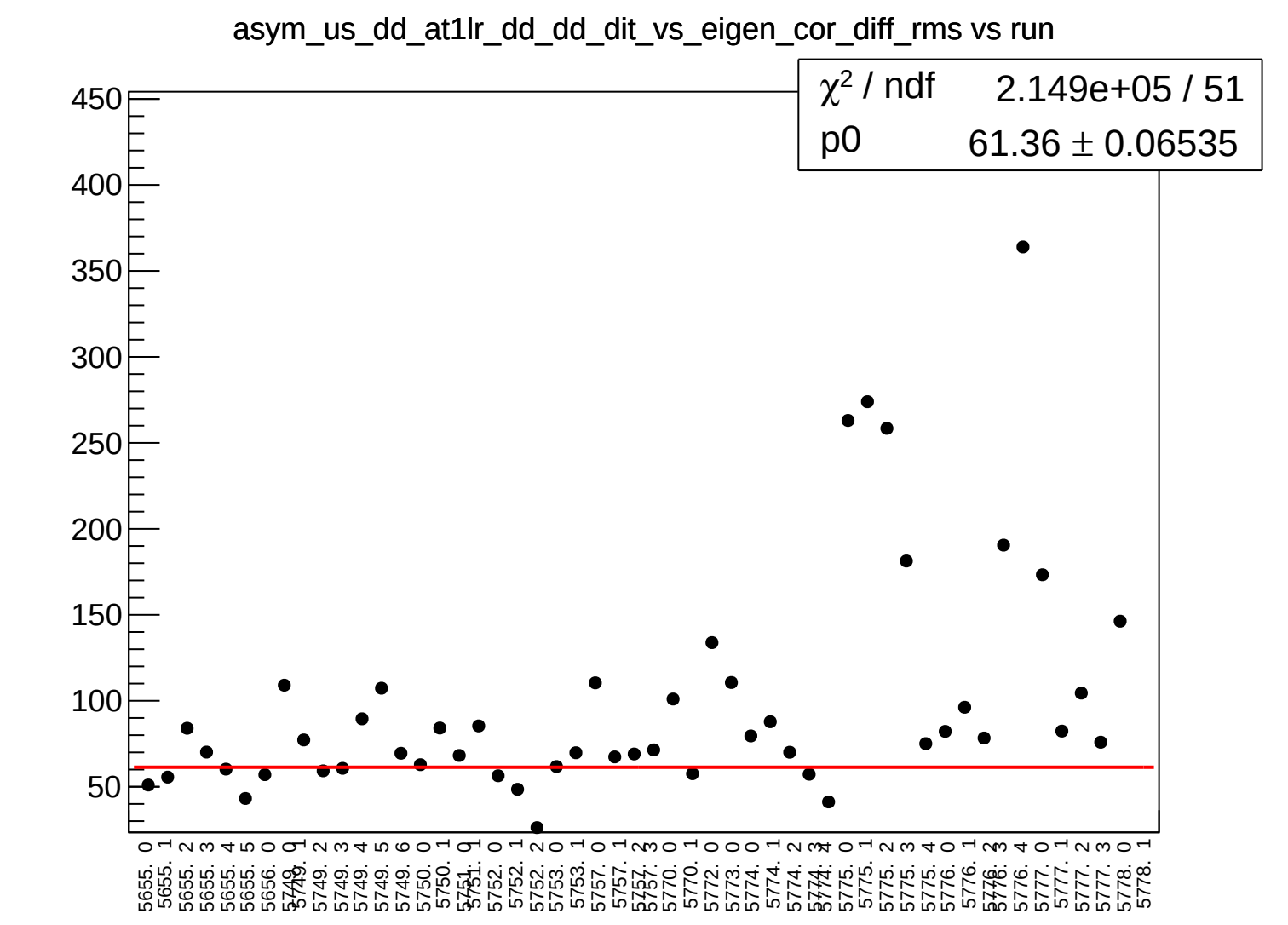

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.785e+05 / 51
p0 9.188e−11 ± 1.63e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 50.34 / 51
p0 0.00272 ± 0.09242
pull
Entries 52
Mean 25.06
Std Dev 8.503


pull1D
Entries 52
Mean 0.04363
Std Dev 0.9829


asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.149e+05 / 51
p0 61.36 ± 0.06535
450
400
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.34 / 51
p0 0.00272 ± 0.09242
pull
Entries 52
Mean 25.06
Std Dev 8.503
pull1D
Entries 52
Mean 0.04363
Std Dev 0.9829


asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.149e+05 / 51
p0 61.36 ± 0.06535
450
400
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
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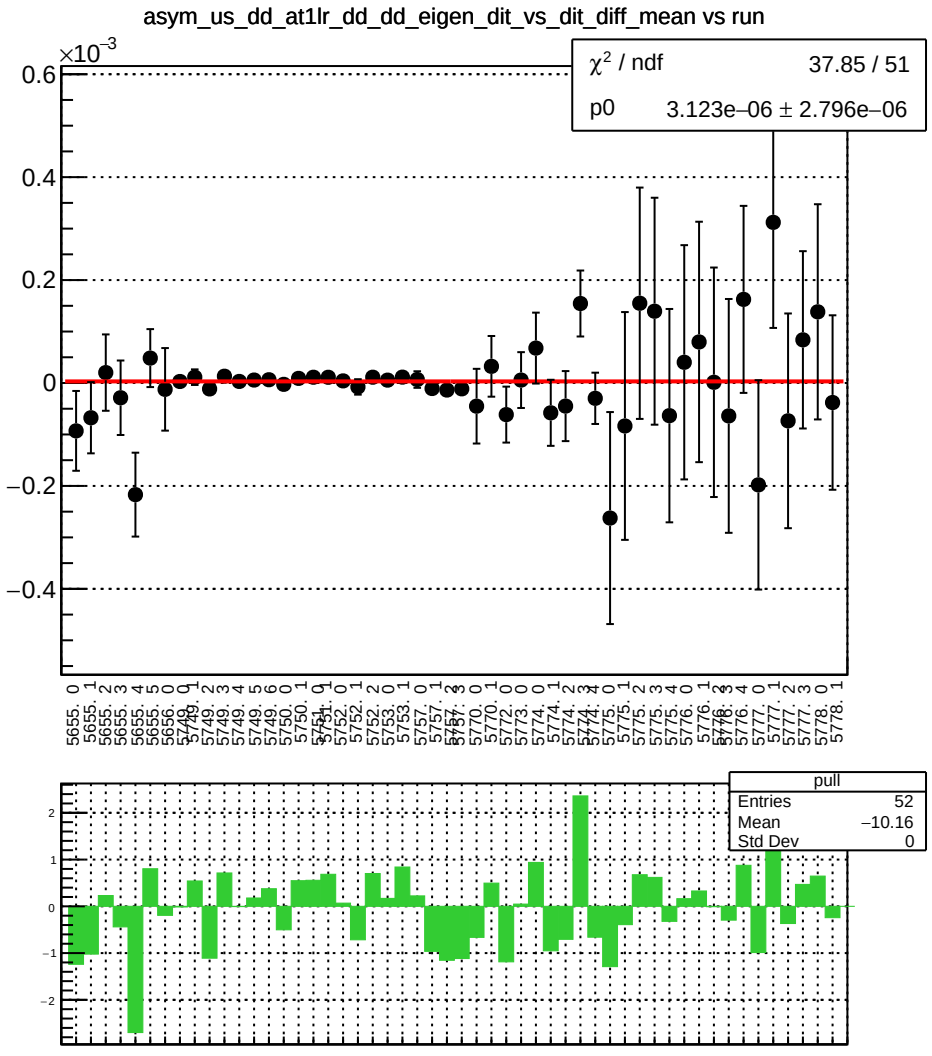
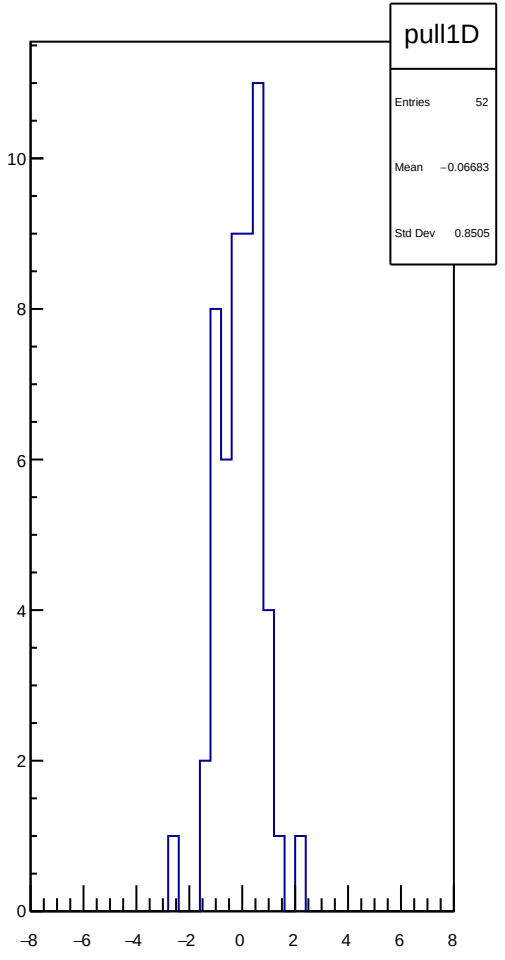
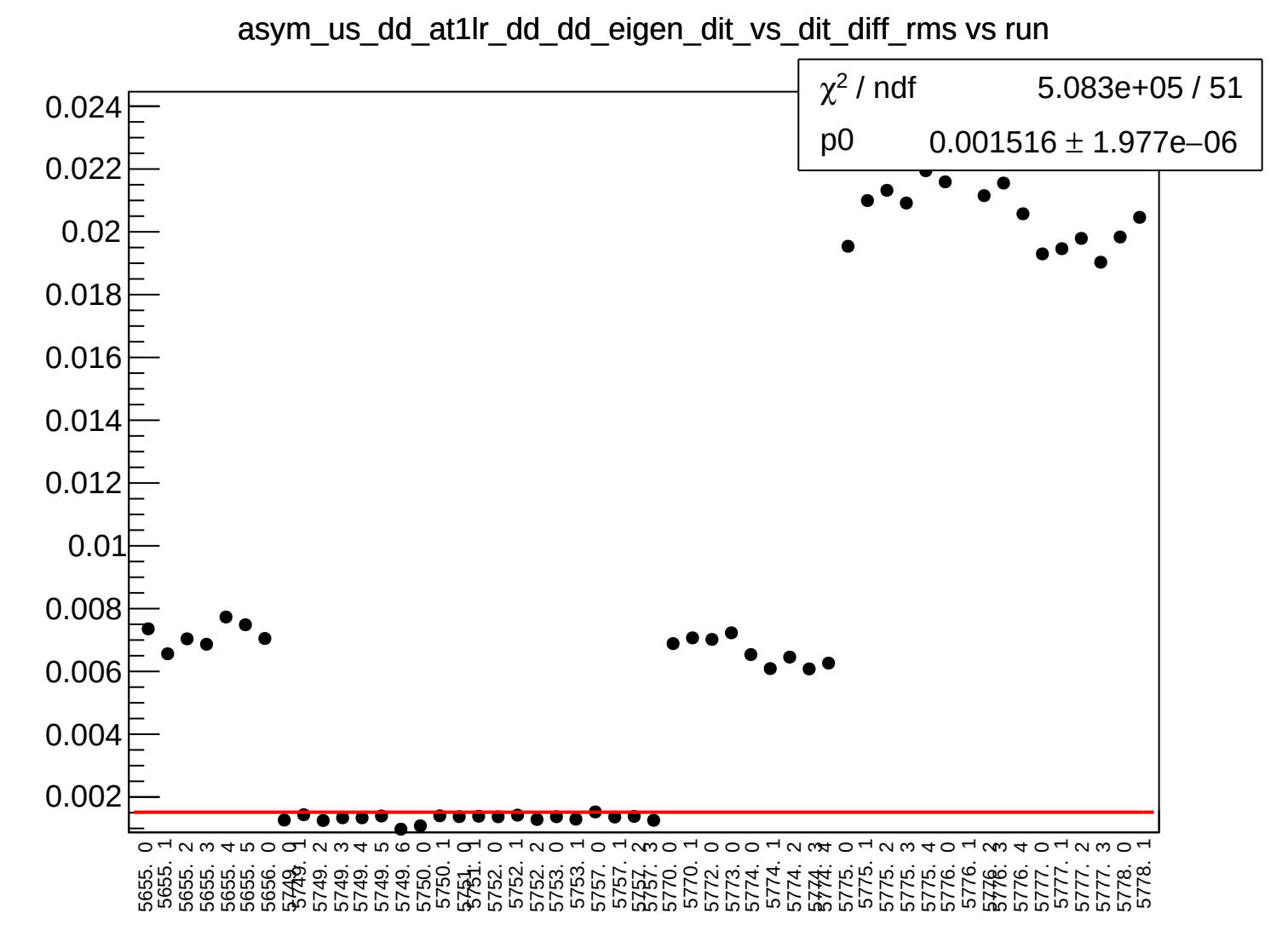
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 37.85 / 51
p0 3.123e−06 ± 2.796e−06
pull
Entries 52
Mean −10.16
Std Dev 0


pull1D
Entries 52
Mean −0.06683
Std Dev 0.8505


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.083e+05 / 51
p0 0.001516 ± 1.977e−06
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5773. 0
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5774. 2
5774. 3
5774. 4
5775. 0
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5775. 3
5775. 4
5776. 0
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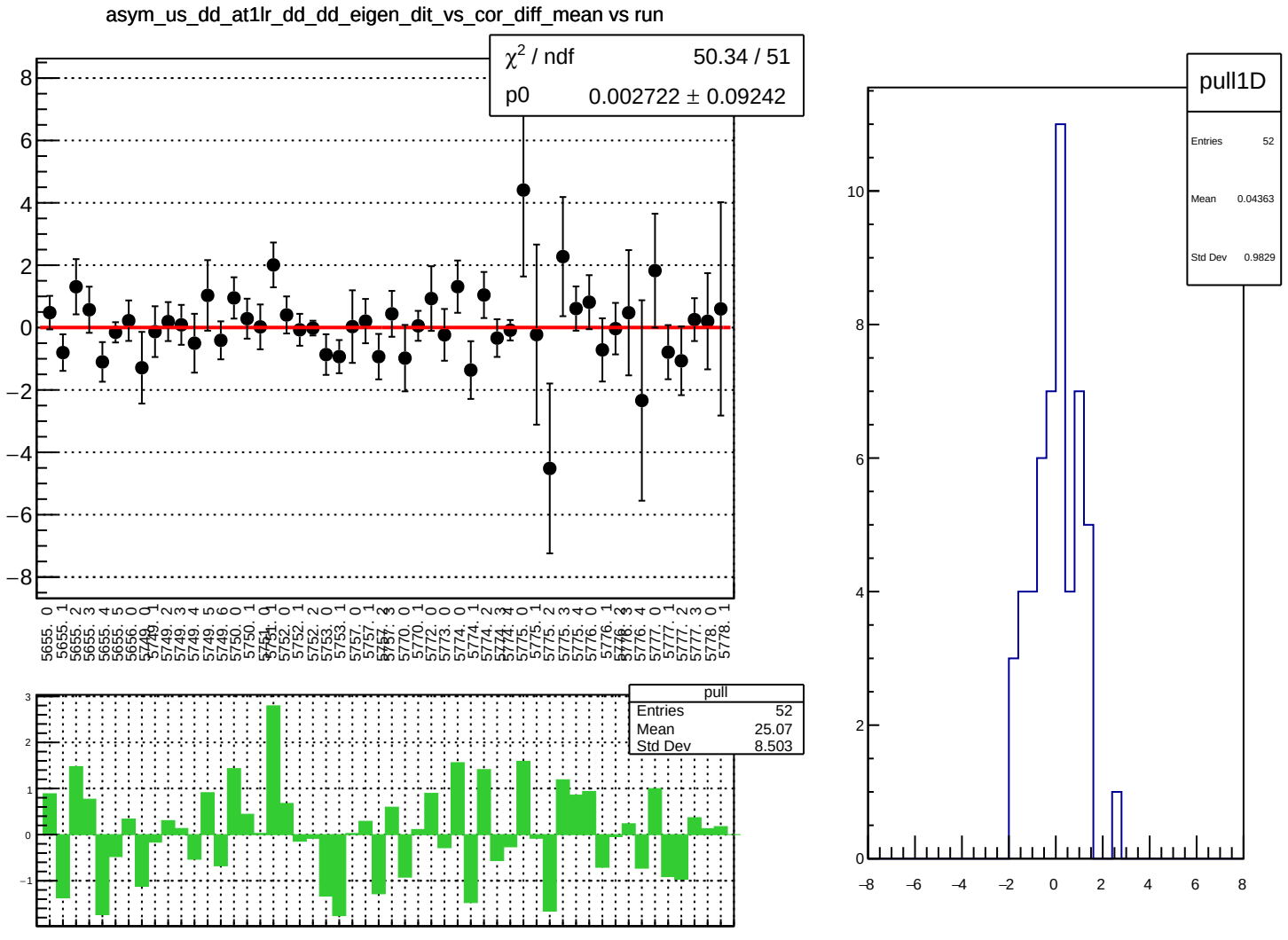
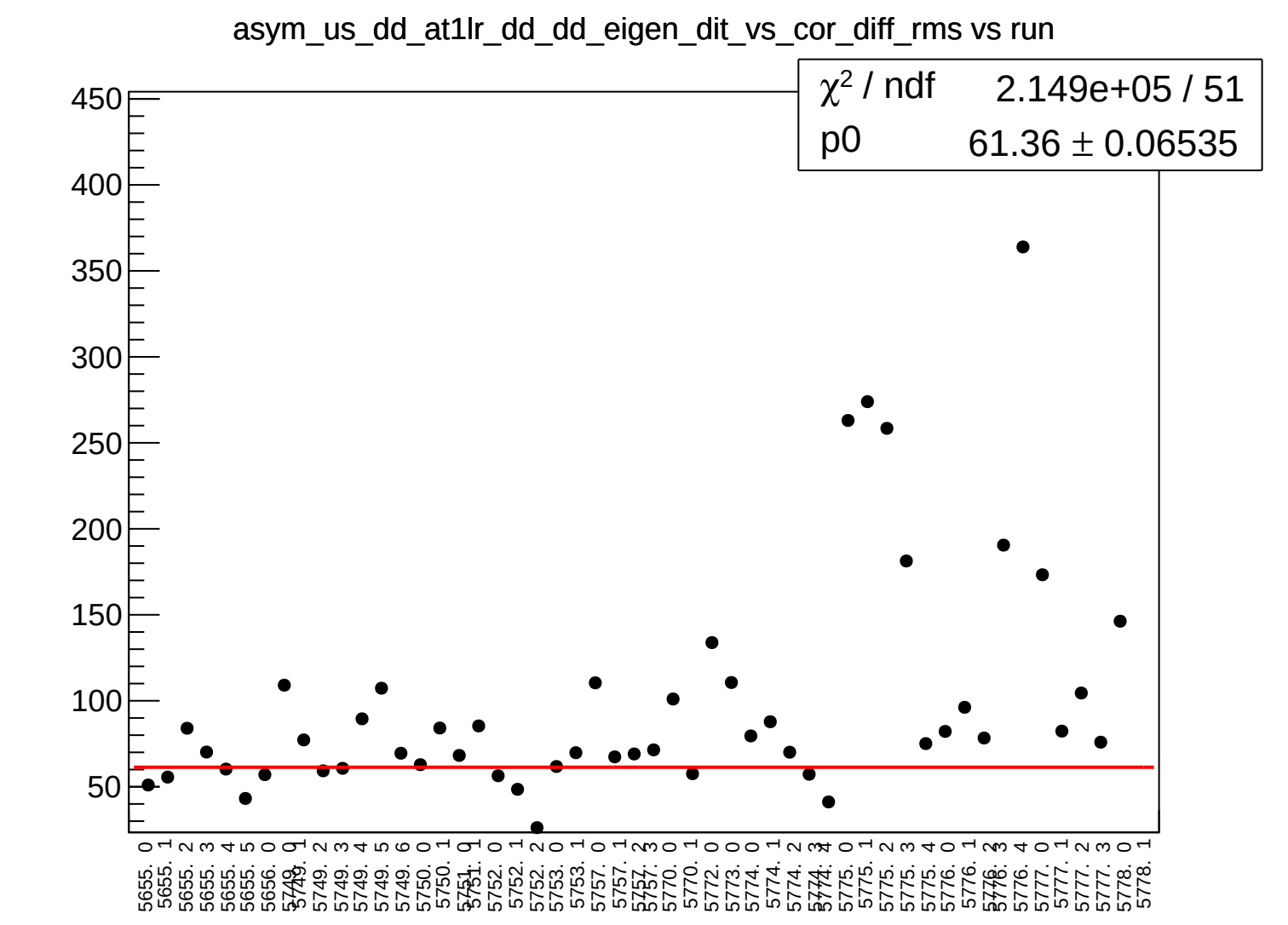
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.34 / 51
p0 0.002722 ± 0.09242
pull
Entries 52
Mean 25.07
Std Dev 8.503
pull1D
Entries 52
Mean 0.04363
Std Dev 0.9829


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.149e+05 / 51
p0 61.36 ± 0.06535
450
400
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
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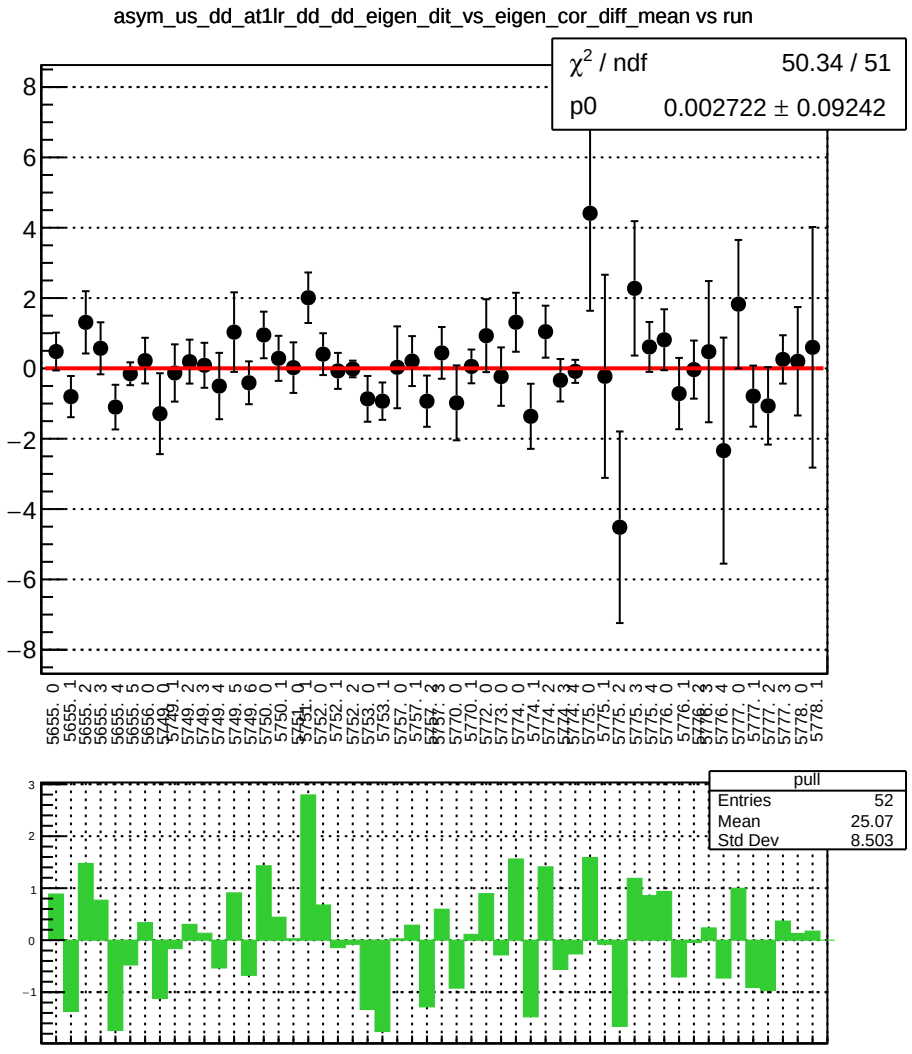
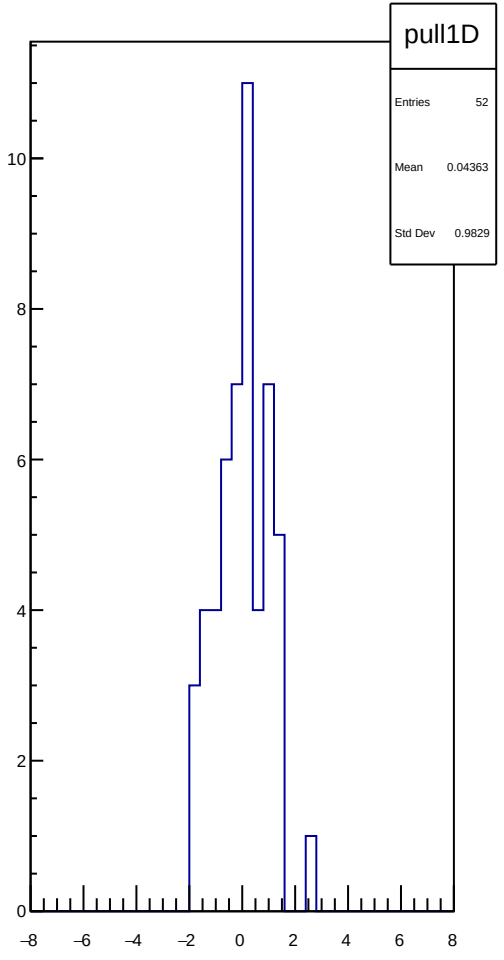
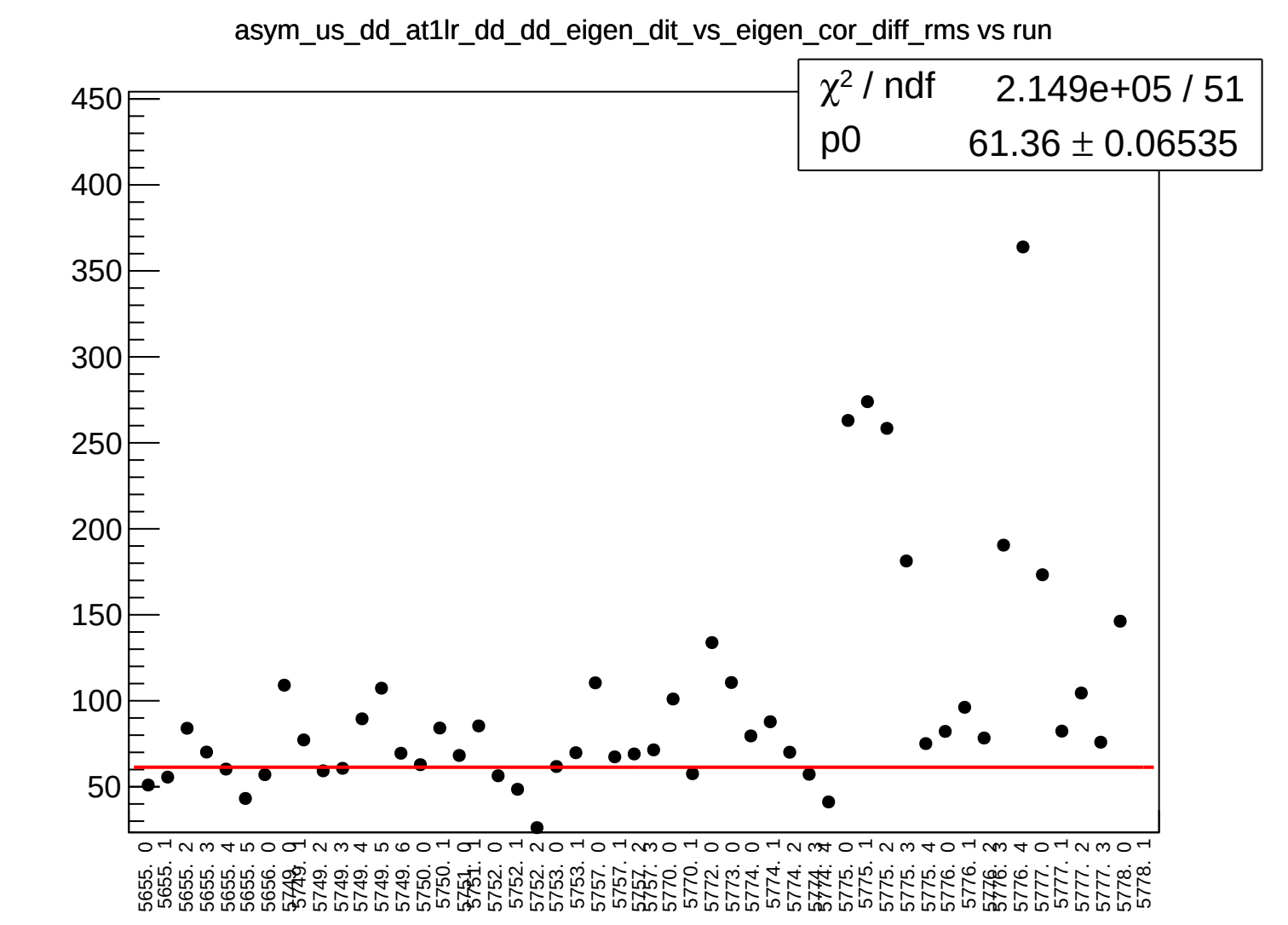
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.34 / 51
p0 0.002722 ± 0.09242
pull
Entries 52
Mean 25.07
Std Dev 8.503


pull1D
Entries 52
Mean 0.04363
Std Dev 0.9829


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.149e+05 / 51
p0 61.36 ± 0.06535
450
400
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
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5776. 0
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5777. 2
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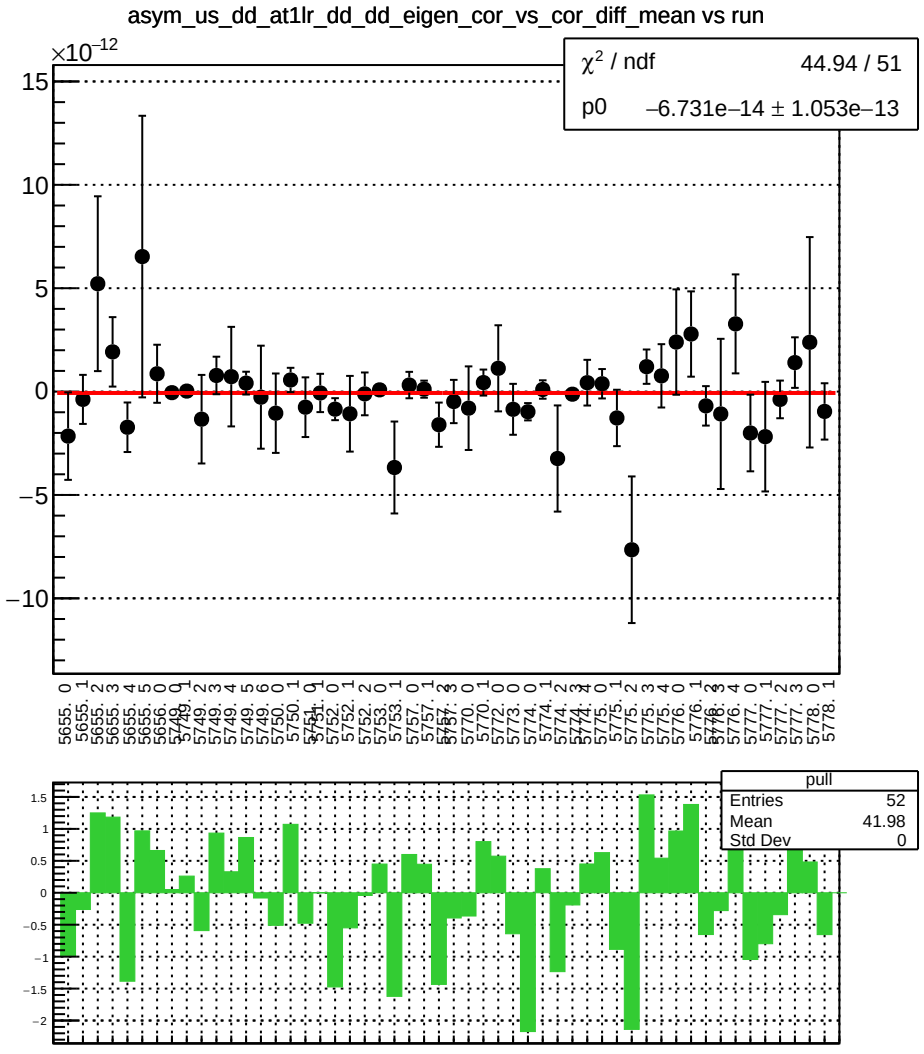
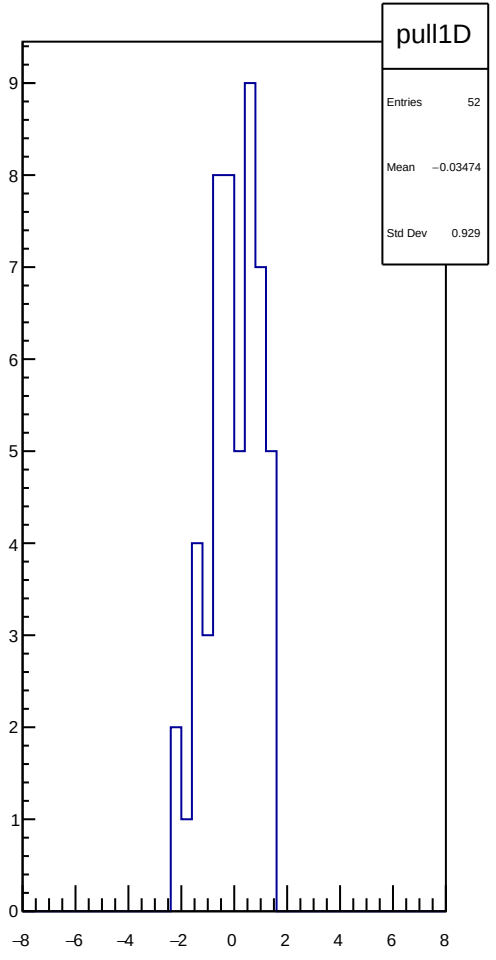
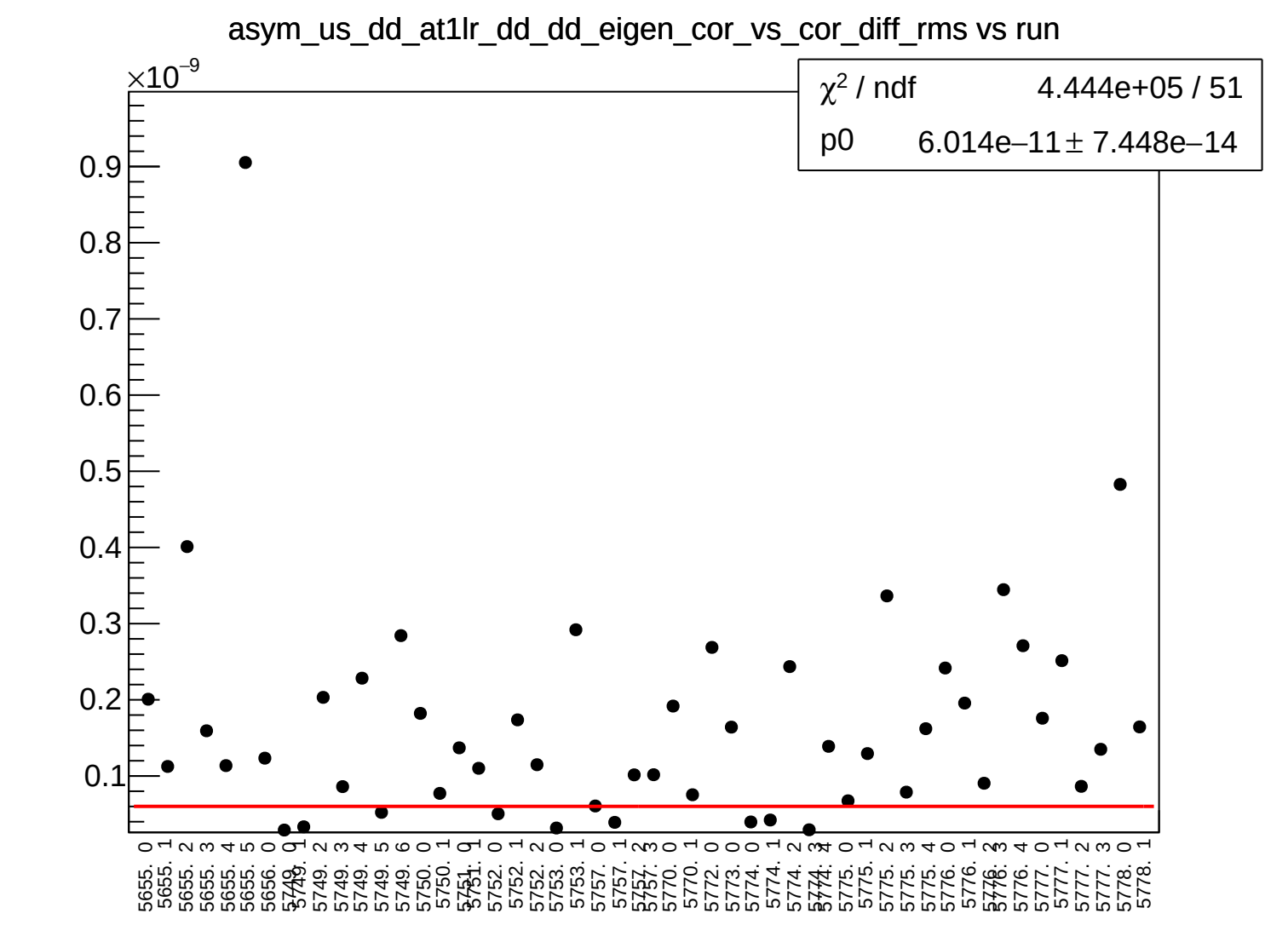
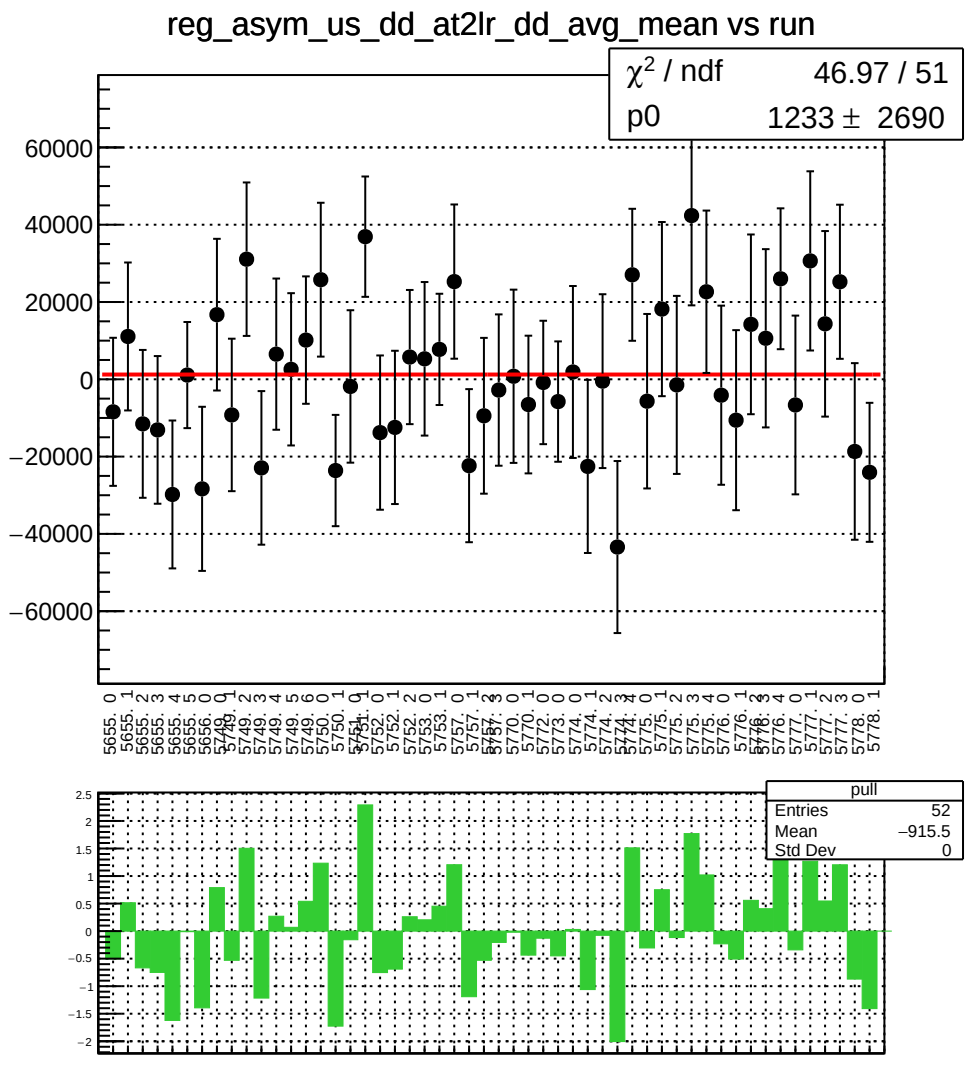
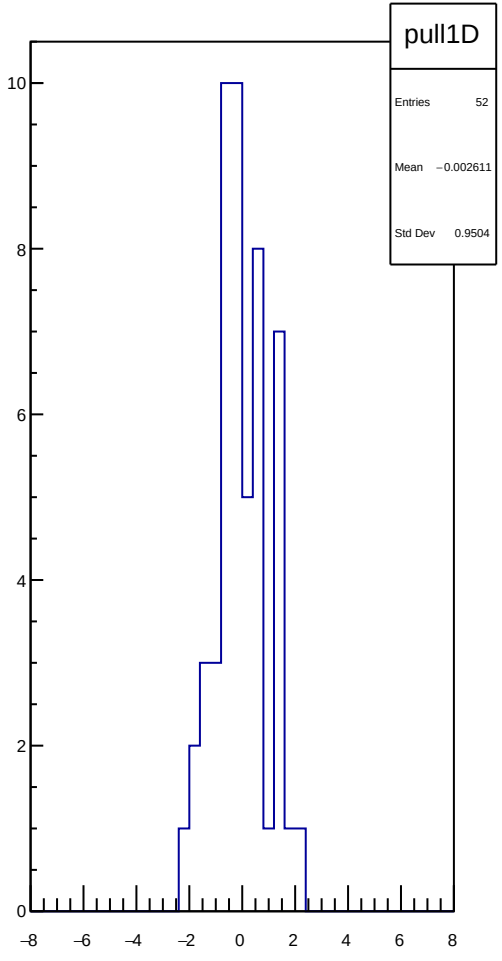
5778. 0
5778. 1

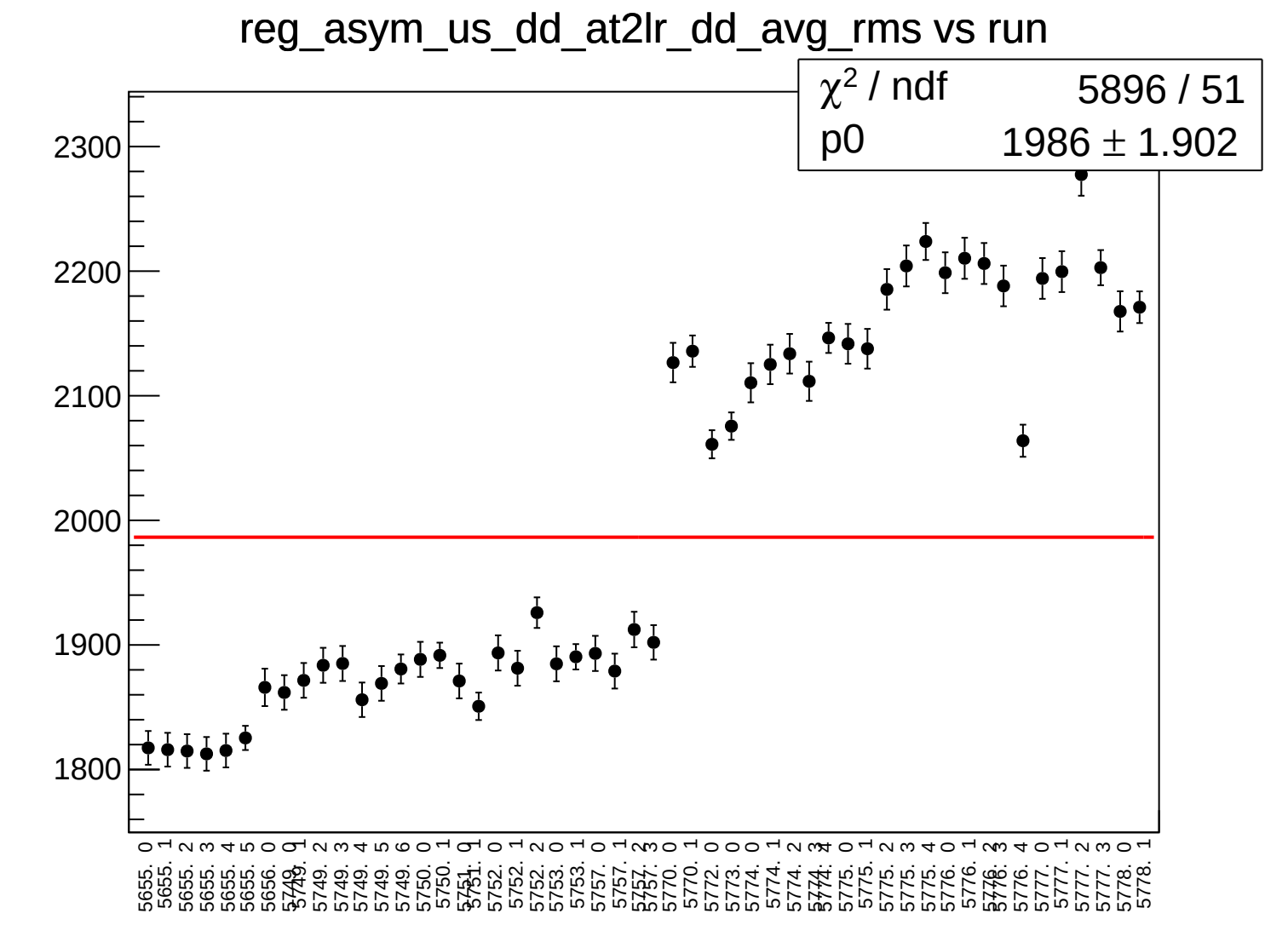

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 44.94 / 51
p0 −6.731e−14 ± 1.053e−13
pull
Entries 52
Mean 41.98
Std Dev 0


pull1D
Entries 52
Mean −0.03474
Std Dev 0.929


asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.444e+05 / 51
p0 6.014e−11 ± 7.448e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


reg_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 46.97 / 51
p0 1233 ± 2690
pull
Entries 52
Mean −915.5
Std Dev 0


pull1D
Entries 52
Mean −0.002611
Std Dev 0.9504


reg_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 5896 / 51
p0 1986 ± 1.902
2300
2200
2100
2000
1900
1800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
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5776. 4
5777. 0
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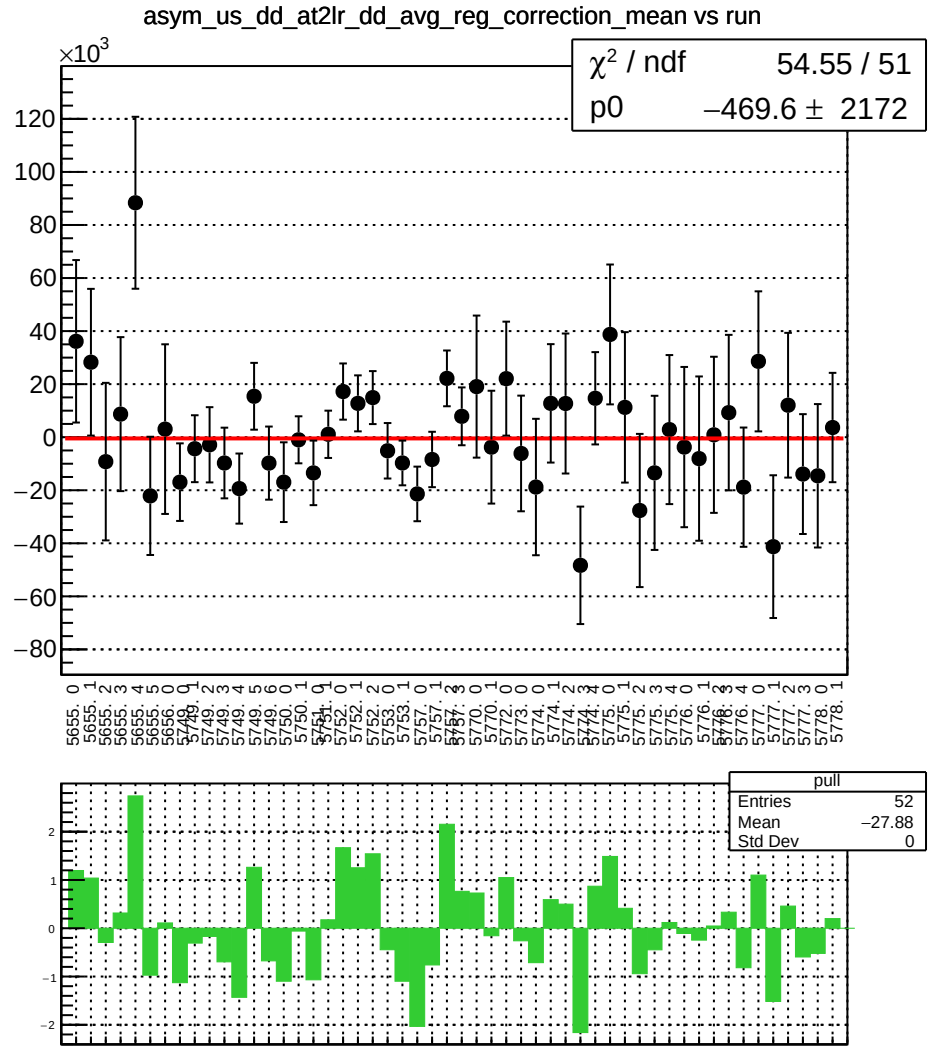
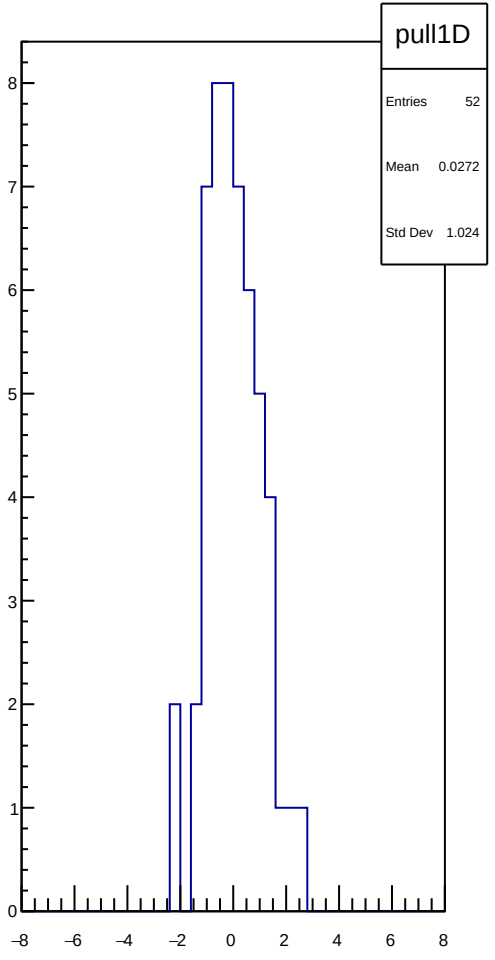
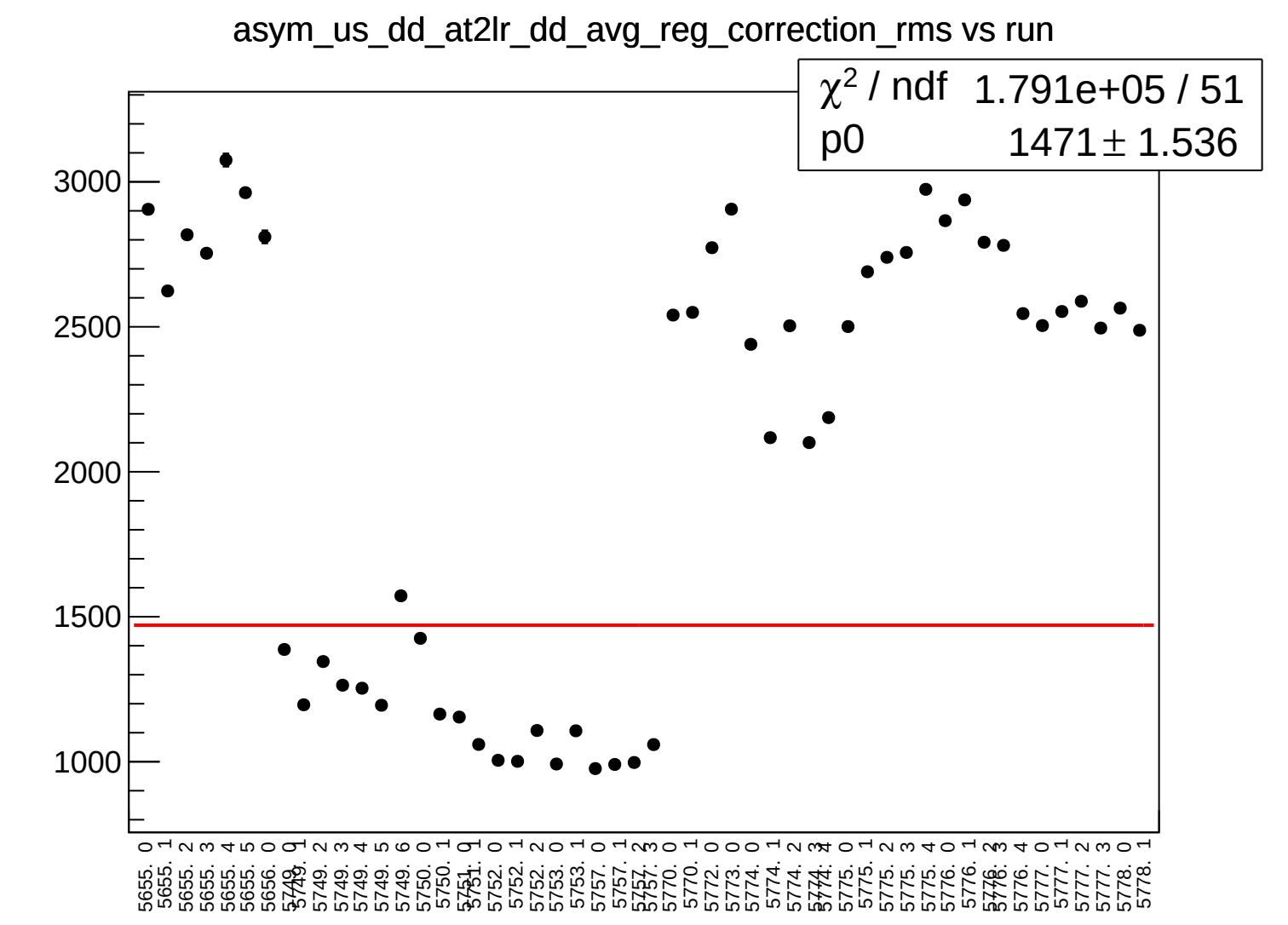
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_dd_at2lr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 54.55 / 51
p0 −469.6 ± 2172
pull
Entries 52
Mean −27.88
Std Dev 0


pull1D
Entries 52
Mean 0.0272
Std Dev 1.024


asym_us_dd_at2lr_dd_avg_reg_correction_rms vs run
χ² / ndf 1.791e+05 / 51
p0 1471 ± 1.536
3000
2500
2000
1500
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
5777. 0
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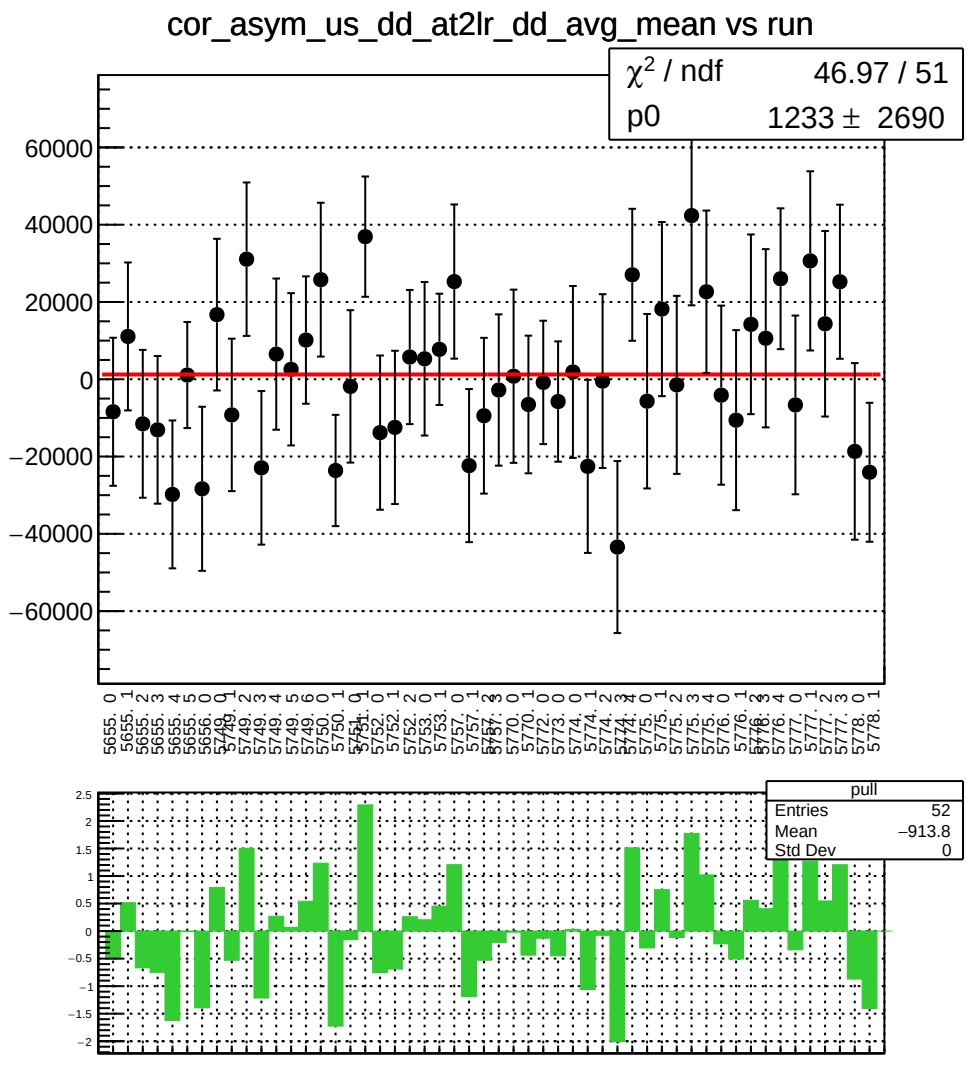
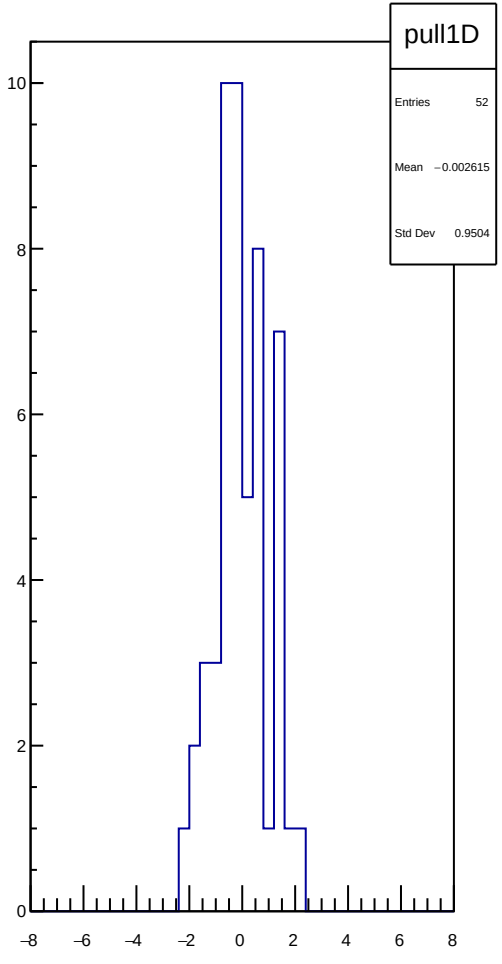
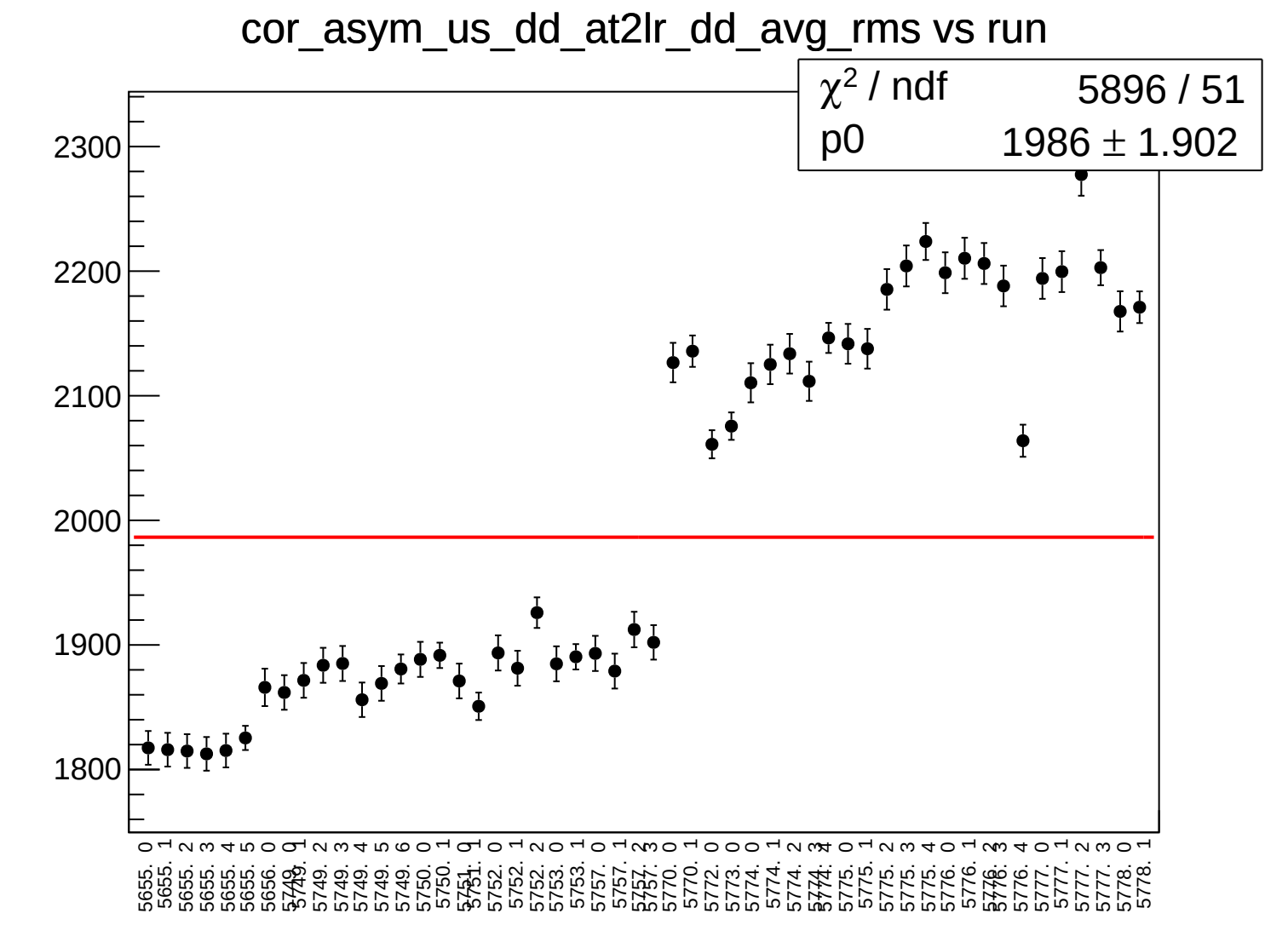
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 46.97 / 51
p0 1233 ± 2690
pull
Entries 52
Mean −913.8
Std Dev 0


pull1D
Entries 52
Mean −0.002615
Std Dev 0.9504


cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 5896 / 51
p0 1986 ± 1.902
2300
2200
2100
2000
1900
1800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
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5774. 2
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5775. 2
5775. 3
5775. 4
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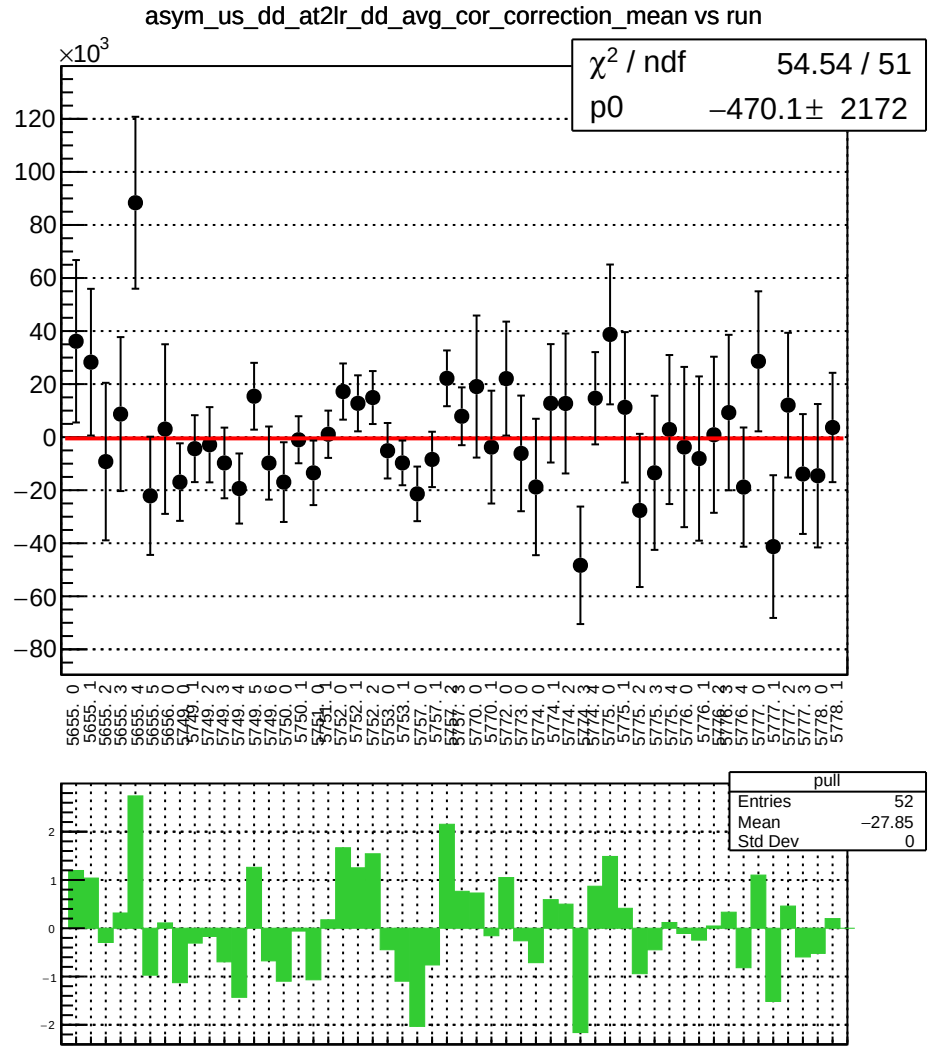
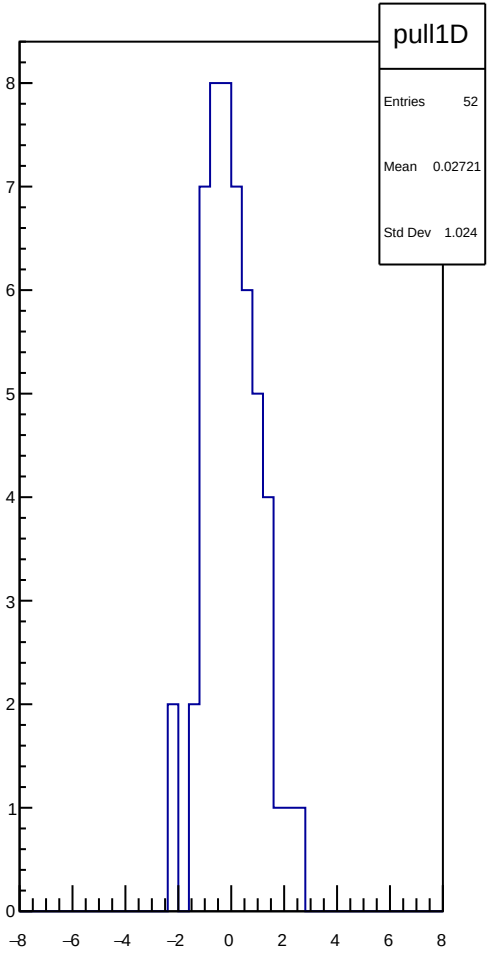
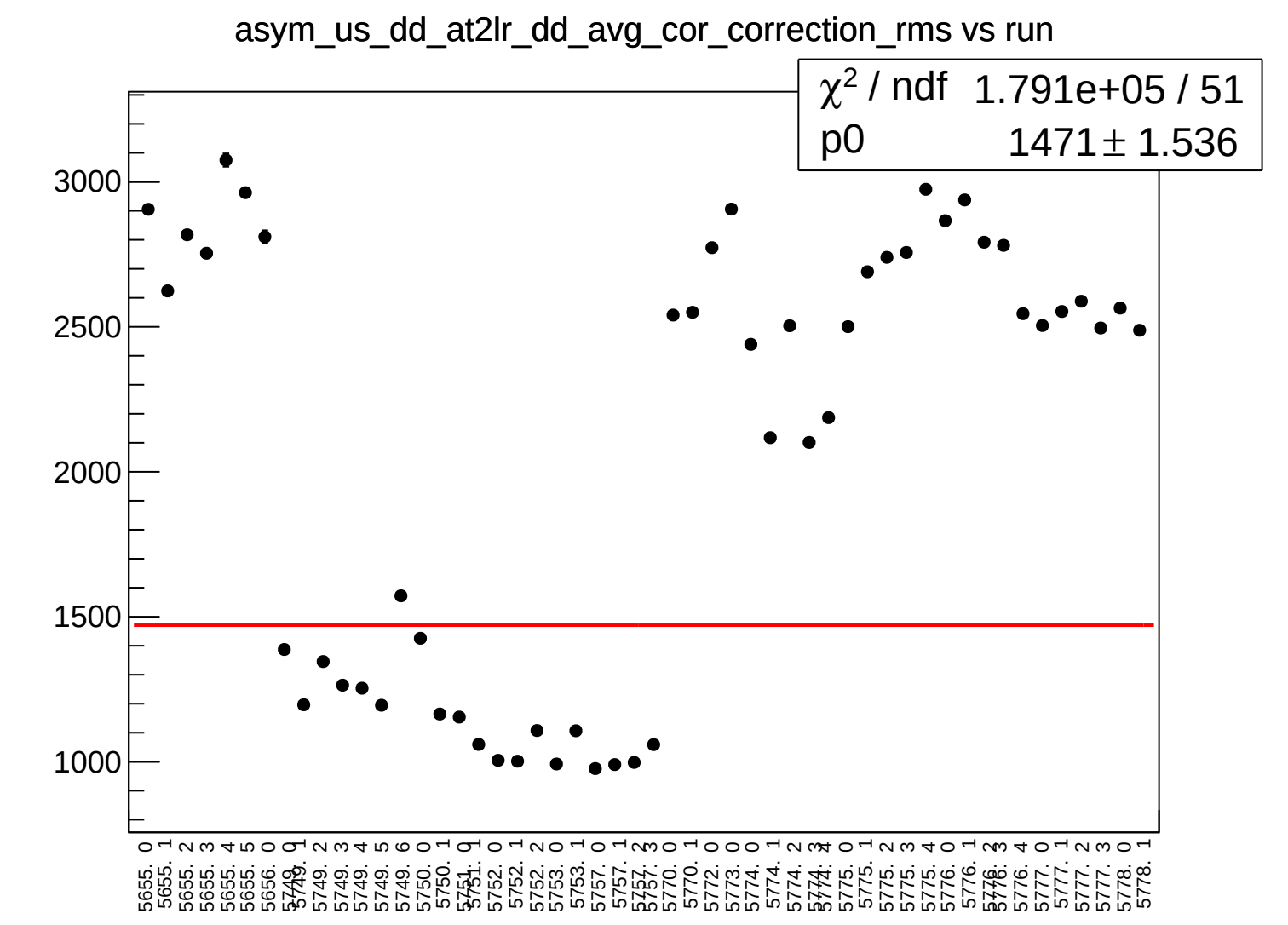
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_dd_at2lr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 54.54 / 51
p0 −470.1± 2172
pull
Entries 52
Mean −27.85
Std Dev 0


pull1D
Entries 52
Mean 0.02721
Std Dev 1.024


asym_us_dd_at2lr_dd_avg_cor_correction_rms vs run
χ² / ndf 1.791e+05 / 51
p0 1471 ± 1.536
3000
2500
2000
1500
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5752. 1
5752. 2
5753. 0
5753. 1
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
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5777. 2
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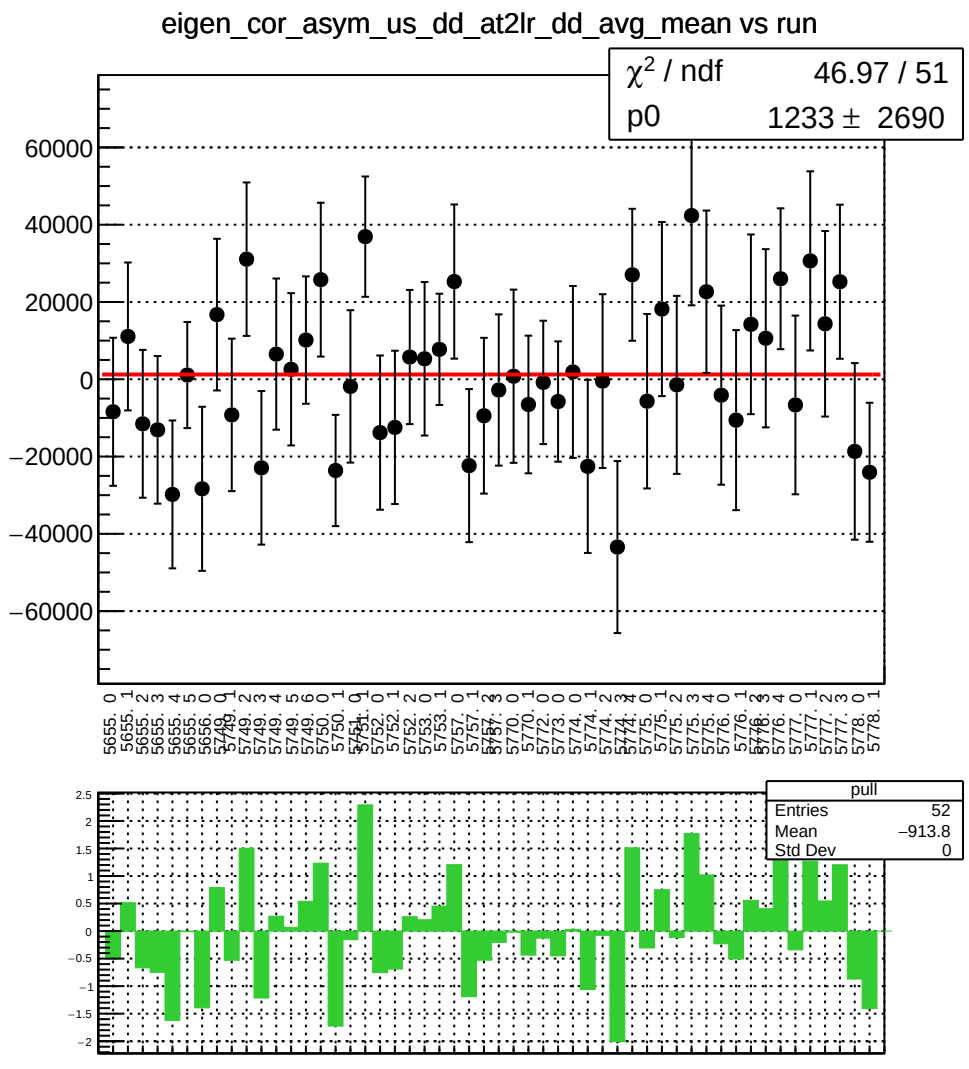
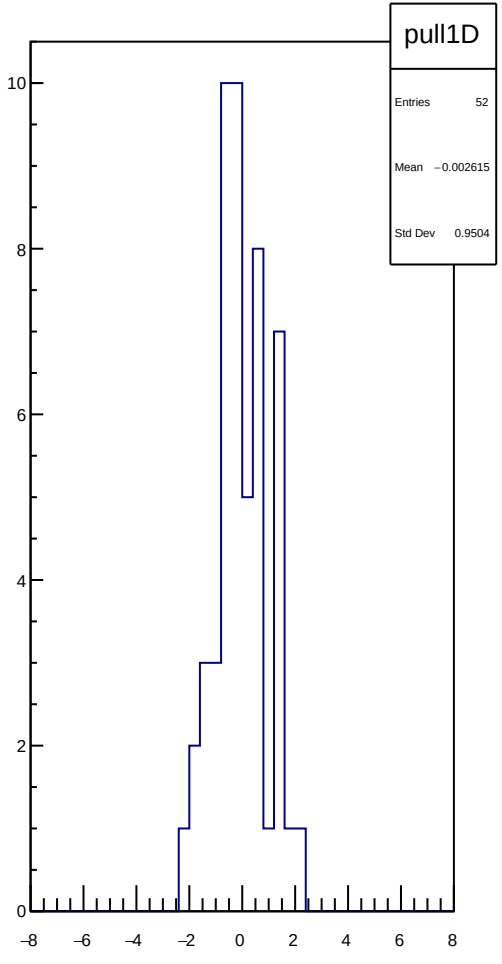
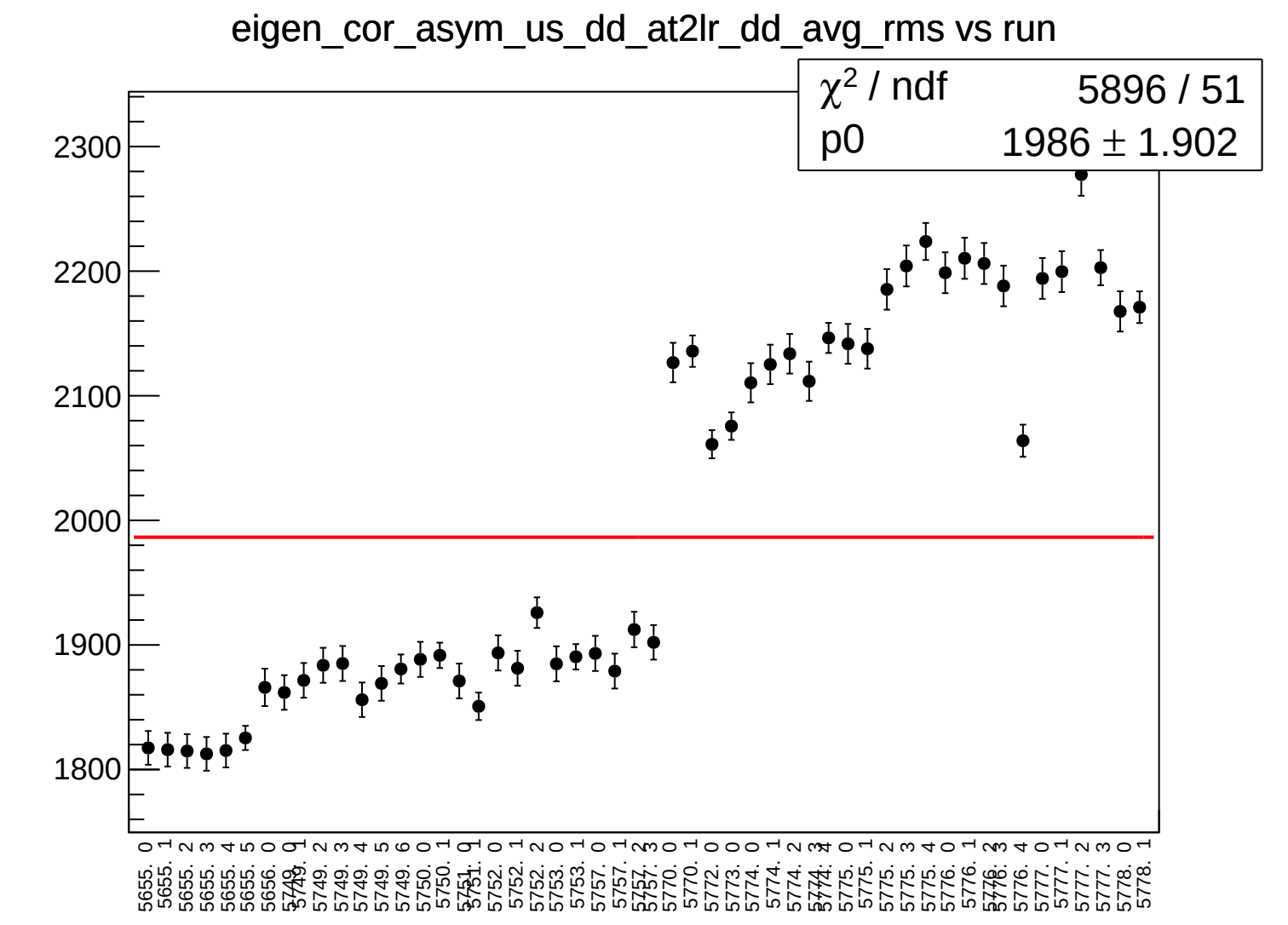
5778. 0
5778. 1


eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 46.97 / 51
p0 1233 ± 2690
pull
Entries 52
Mean −913.8
Std Dev 0


pull1D
Entries 52
Mean −0.002615
Std Dev 0.9504


eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ^2 / ndf 5896 / 51
p0 1986 ± 1.902
2300
2200
2100
2000
1900
1800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5749. 5
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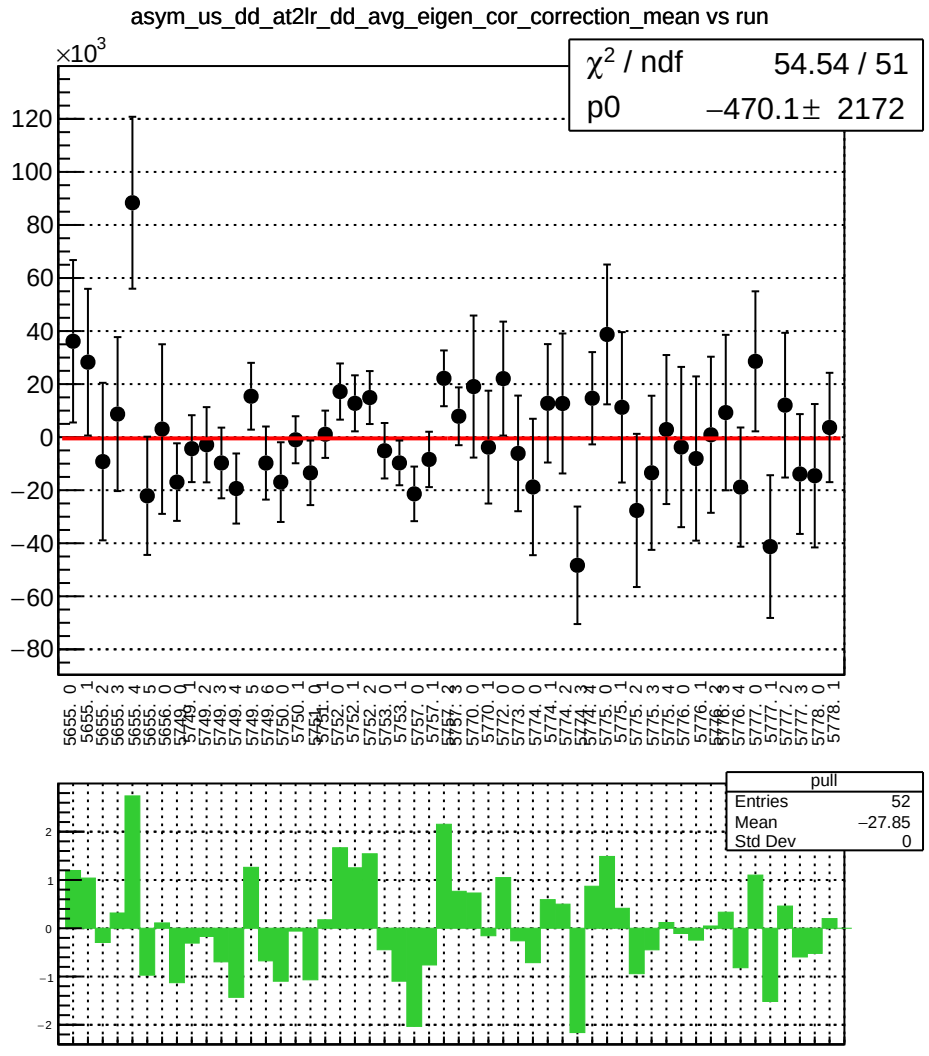
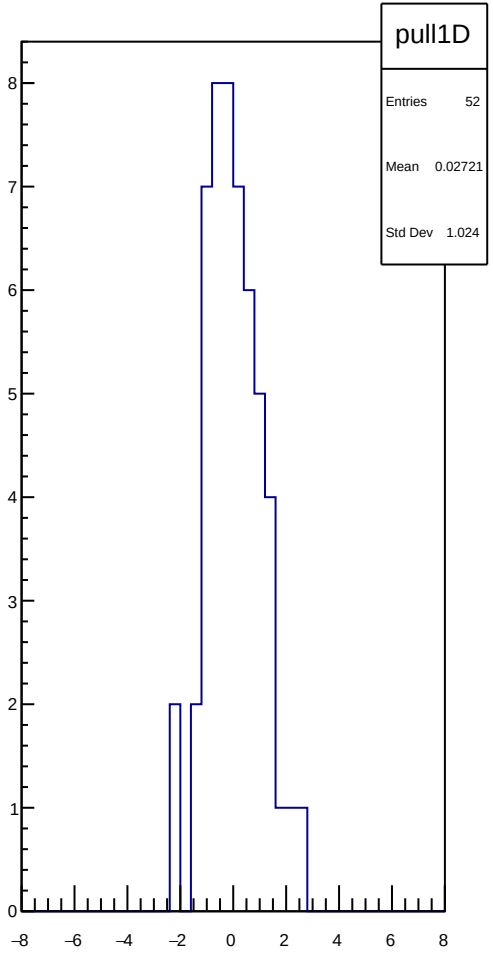
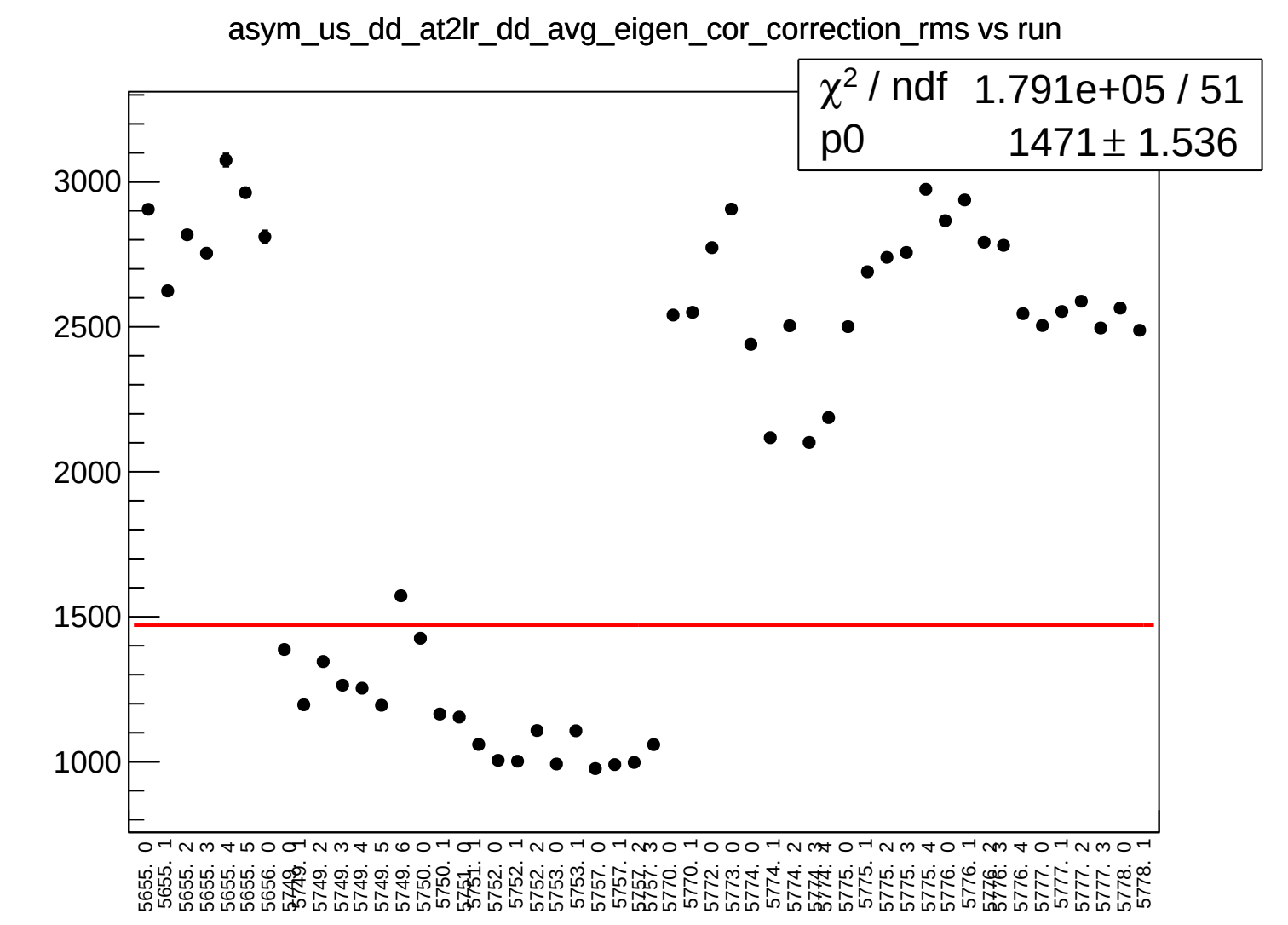

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 54.54 / 51
p0 −470.1± 2172
pull
Entries 52
Mean −27.85
Std Dev 0


pull1D
Entries 52
Mean 0.02721
Std Dev 1.024


asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.791e+05 / 51
p0 1471 ± 1.536
3000
2500
2000
1500
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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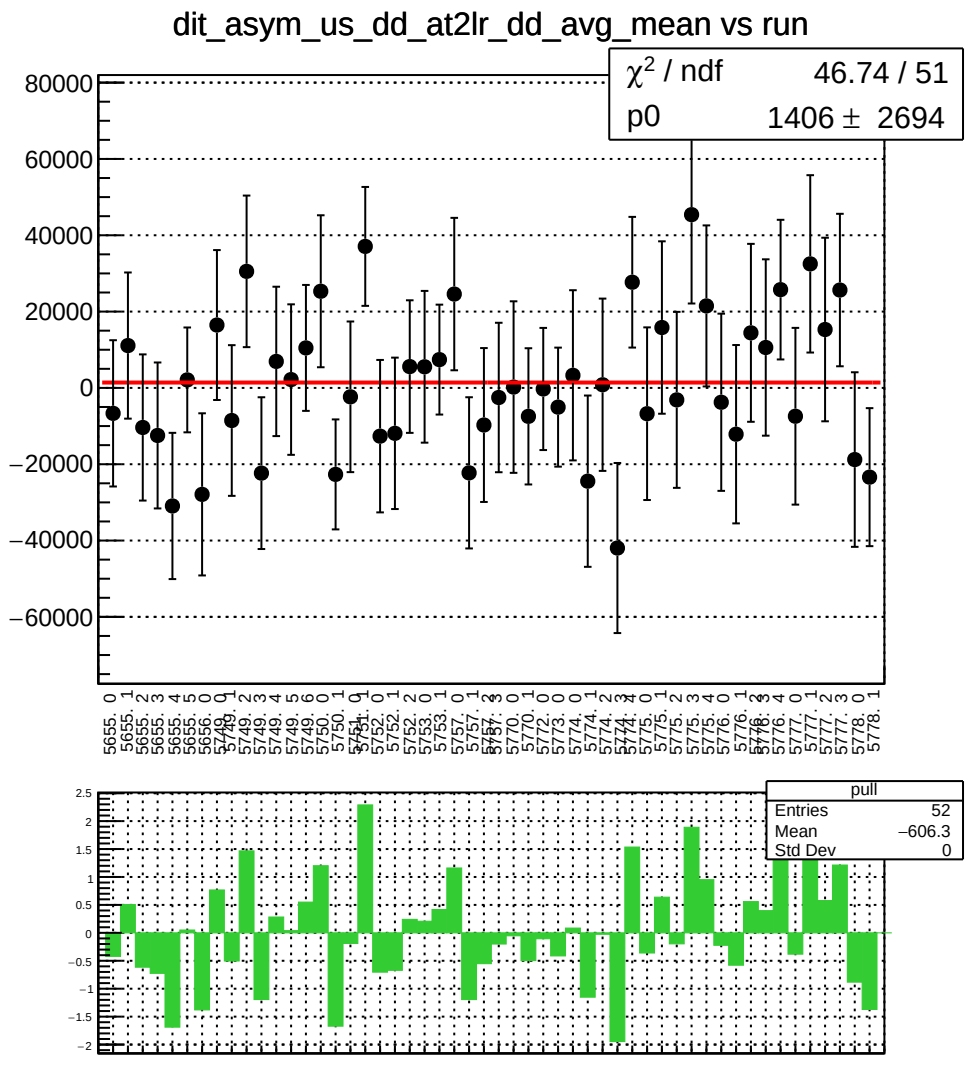
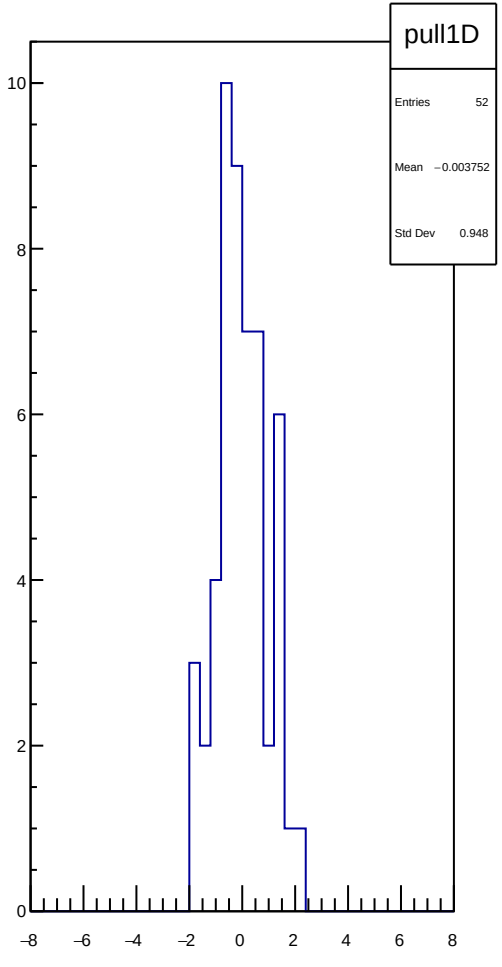
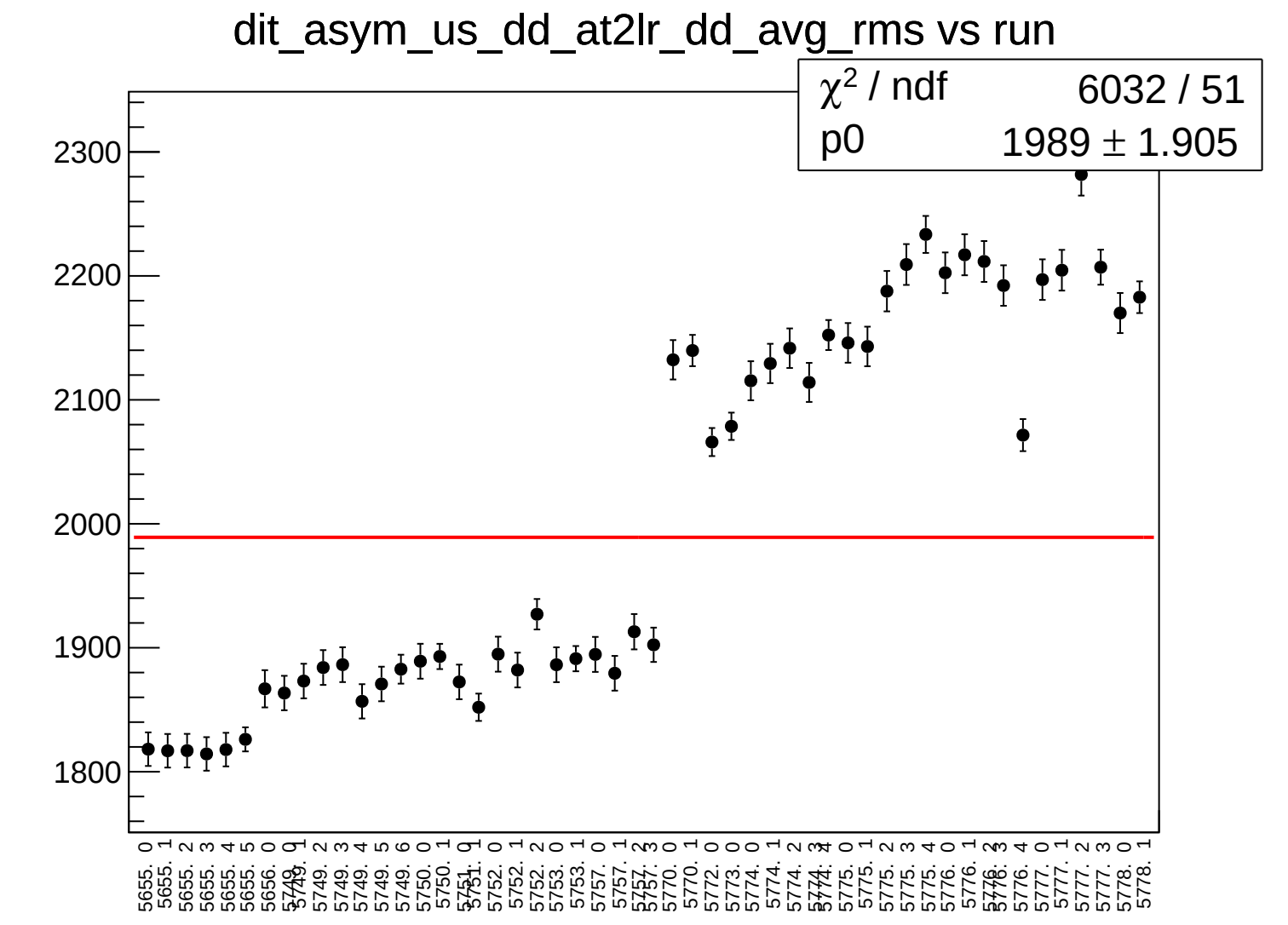

dit_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 46.74 / 51
p0 1406 ± 2694
pull
Entries 52
Mean −606.3
Std Dev 0


pull1D
Entries 52
Mean −0.003752
Std Dev 0.948


dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 6032 / 51
p0 1989 ± 1.905
2300
2200
2100
2000
1900
1800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
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5752. 2
5753. 0
5753. 1
5757. 0
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5757. 2
5757. 3
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5774. 3
5774. 4
5775. 0
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5776. 0
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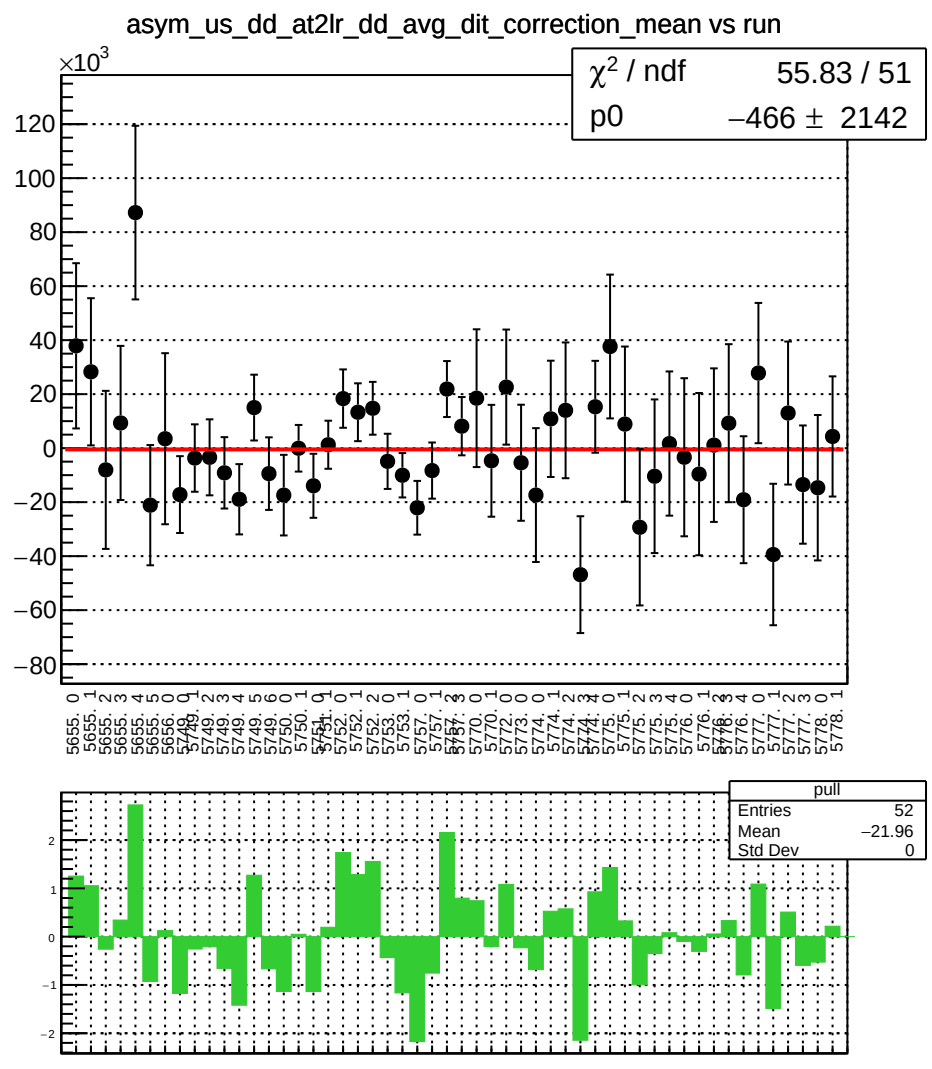
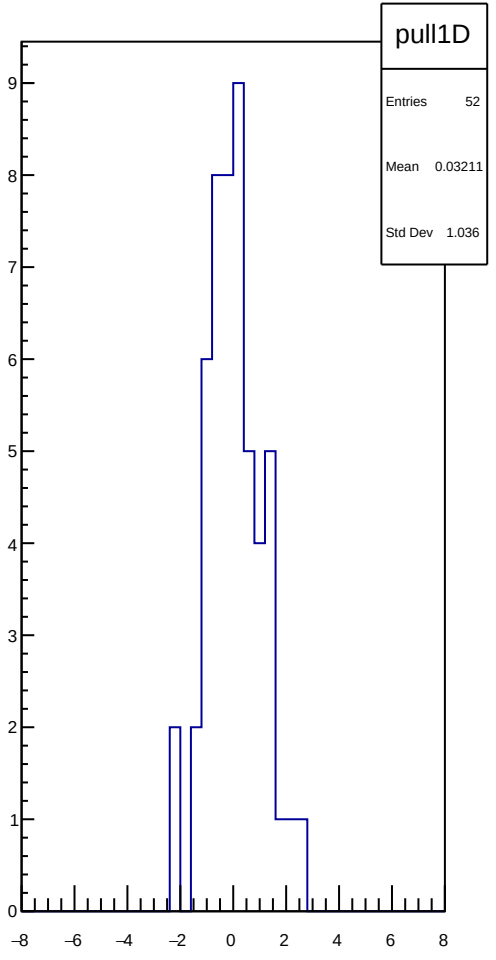
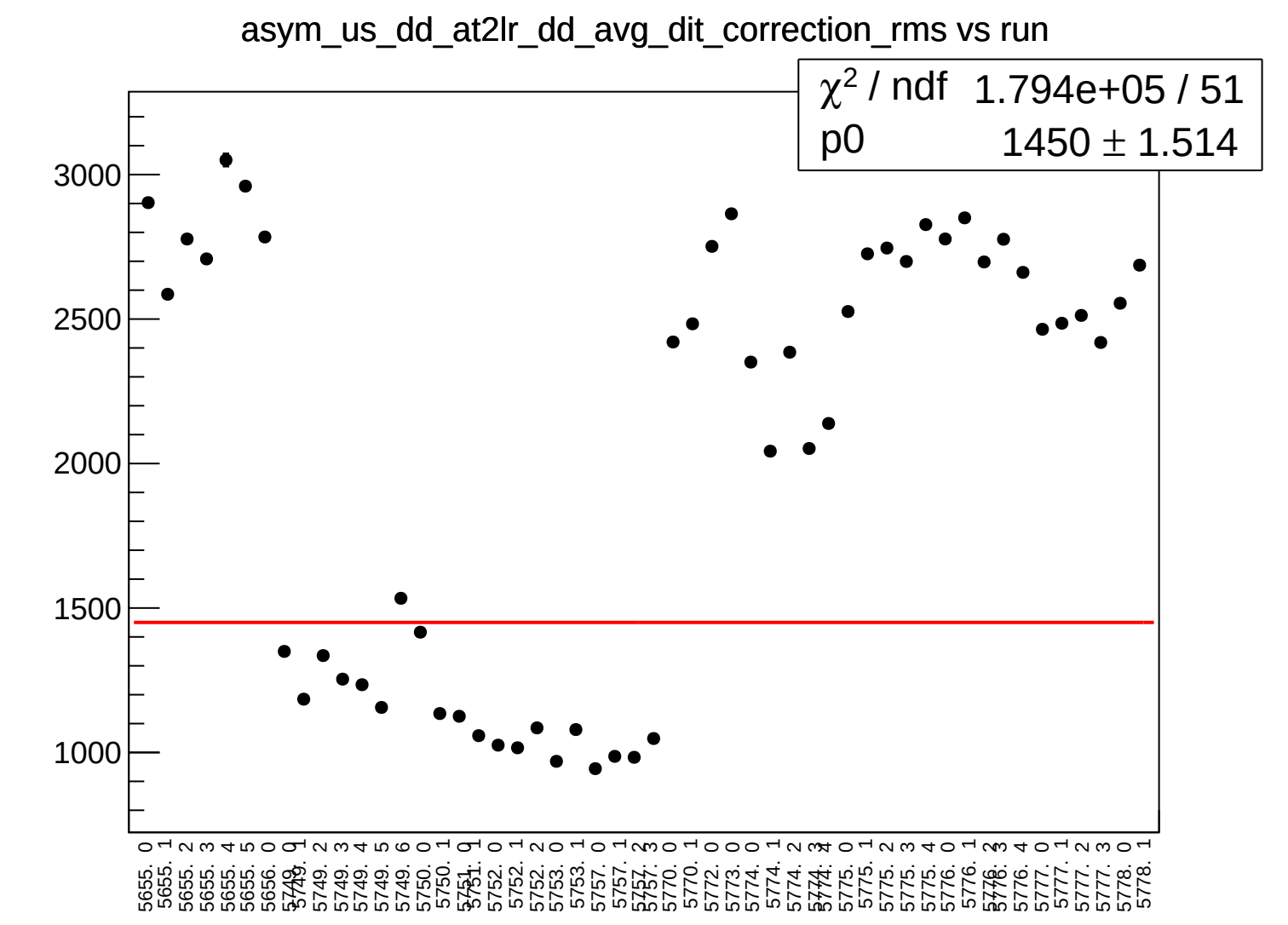
5778. 1


asym_us_dd_at2lr_dd_avg_dit_correction_mean vs run
×10^3
χ^2 / ndf 55.83 / 51
p0 −466 ± 2142
pull
Entries 52
Mean −21.96
Std Dev 0


pull1D
Entries 52
Mean 0.03211
Std Dev 1.036


asym_us_dd_at2lr_dd_avg_dit_correction_rms vs run
χ² / ndf 1.794e+05 / 51
p0 1450 ± 1.514
3000
2500
2000
1500
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
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5750. 1
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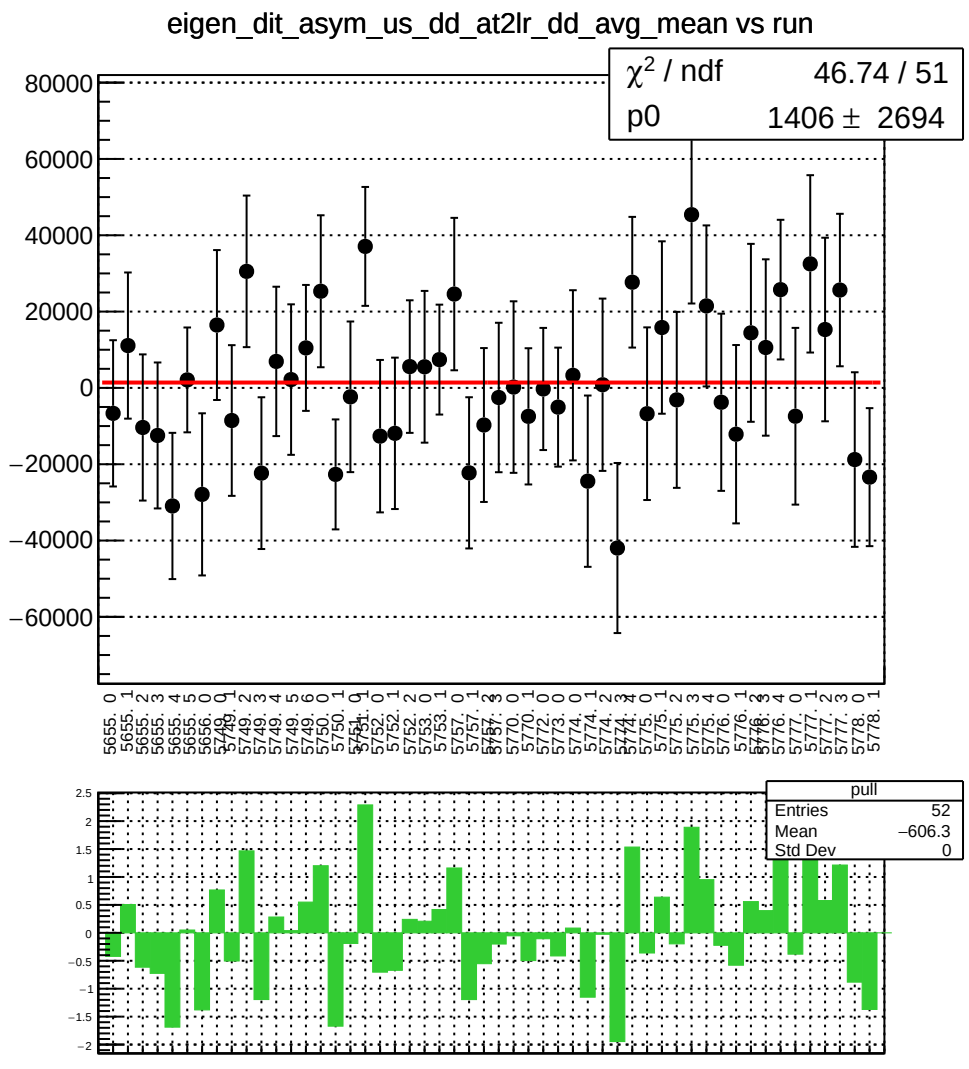
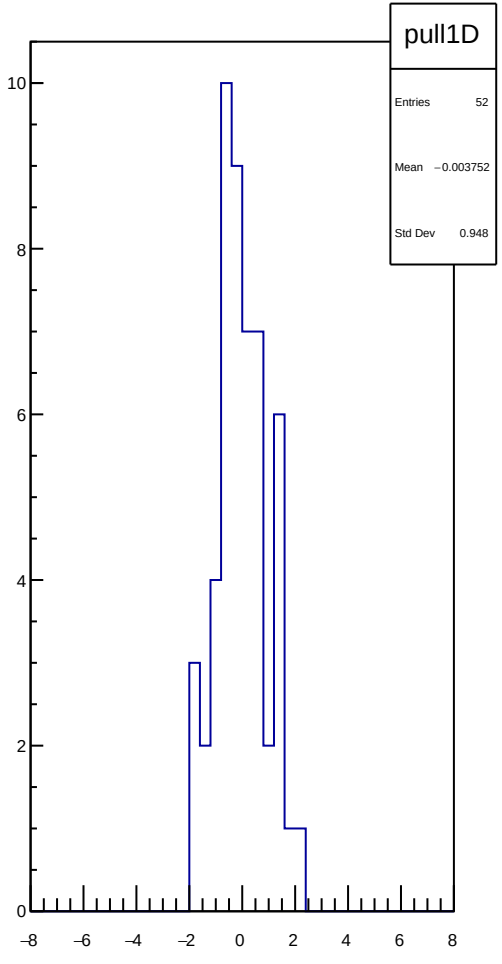
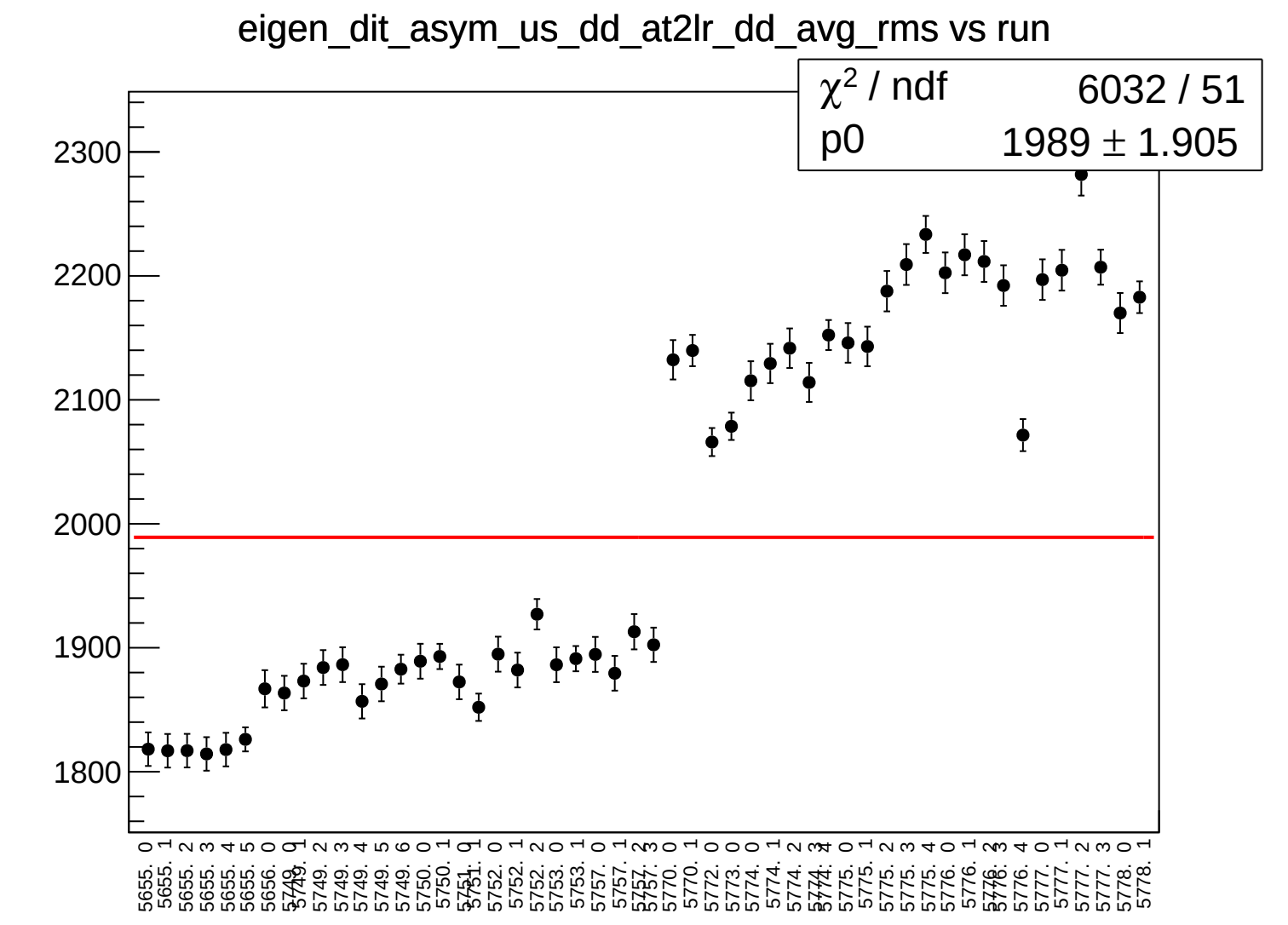

eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 46.74 / 51
p0 1406 ± 2694
pull
Entries 52
Mean −606.3
Std Dev 0


pull1D
Entries 52
Mean −0.003752
Std Dev 0.948


eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 6032 / 51
p0 1989 ± 1.905
2300
2200
2100
2000
1900
1800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5774. 0
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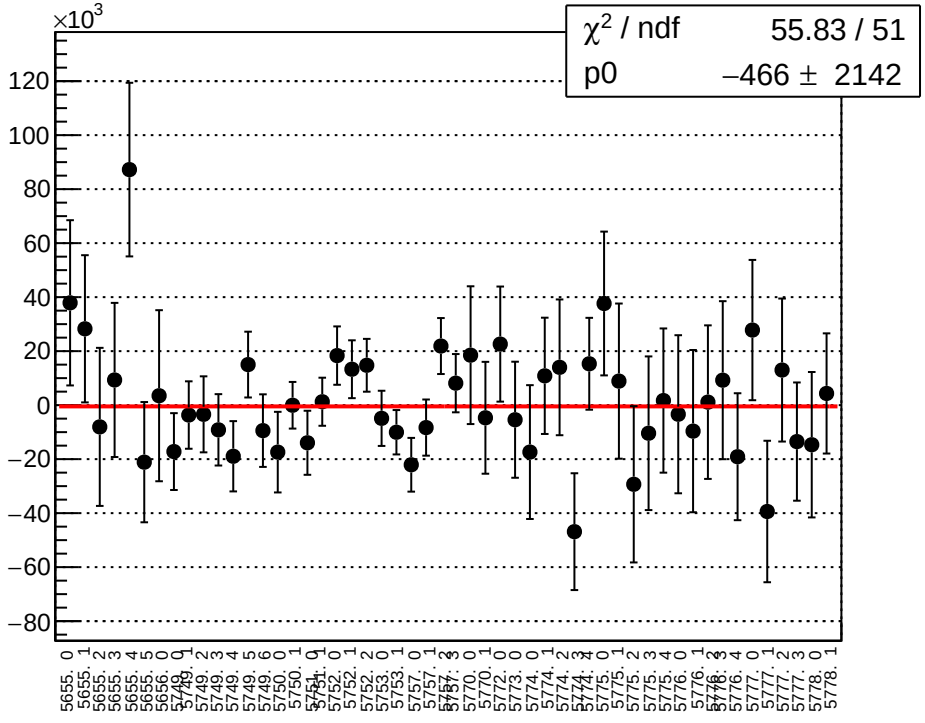
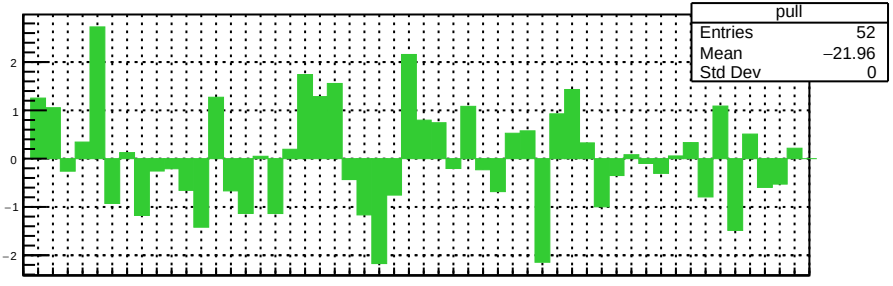
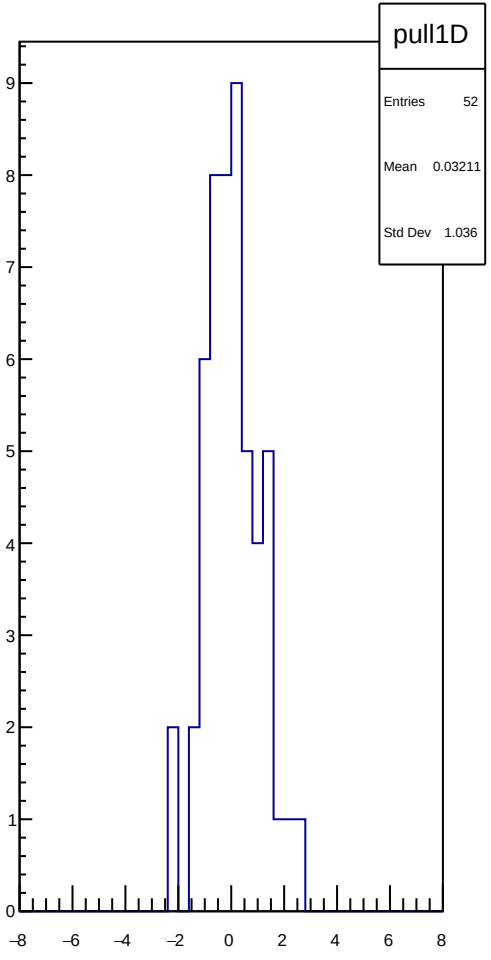
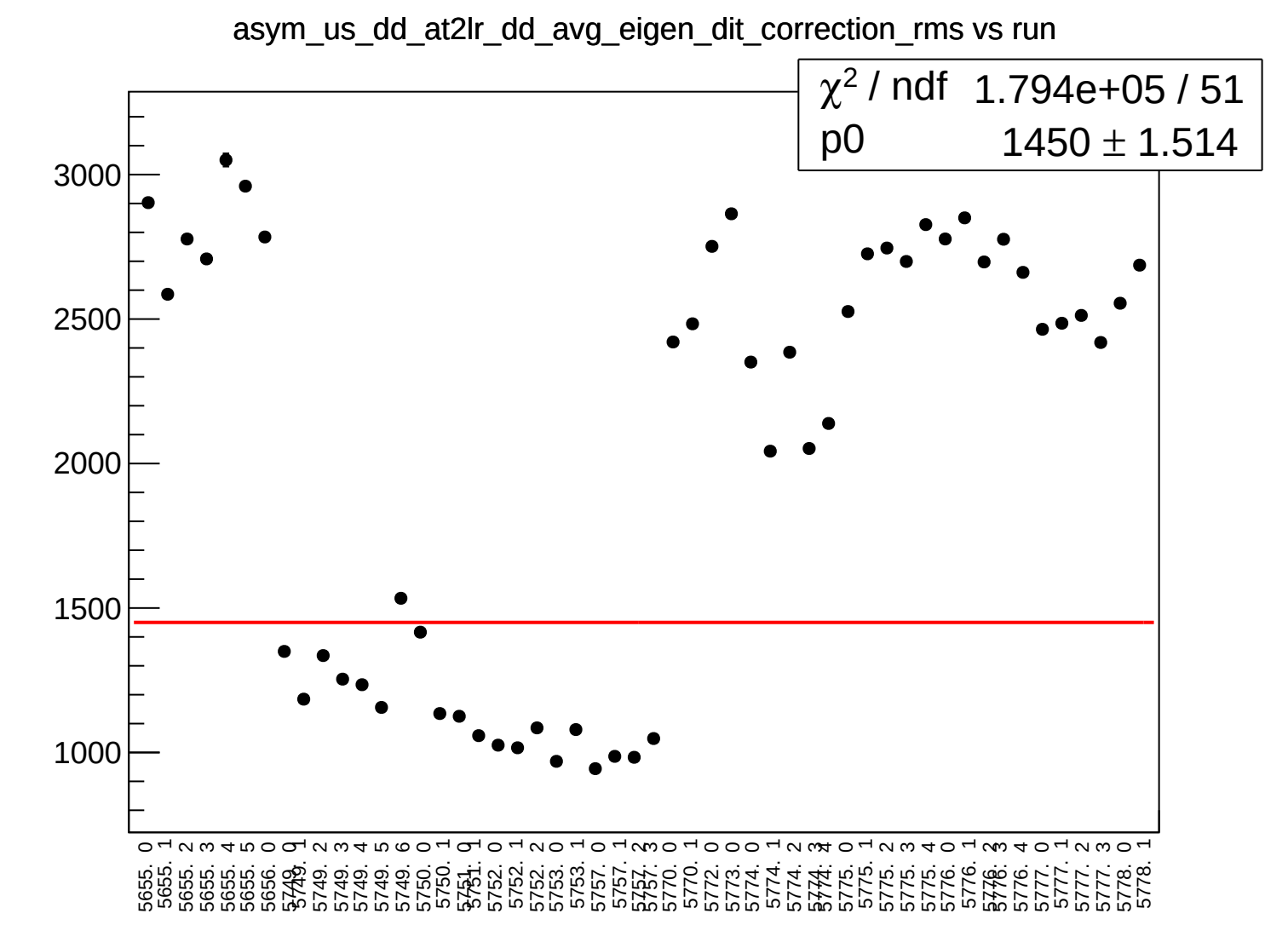
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs run








asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.794e+05 / 51
p0 1450 ± 1.514
3000
2500
2000
1500
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
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5751. 1
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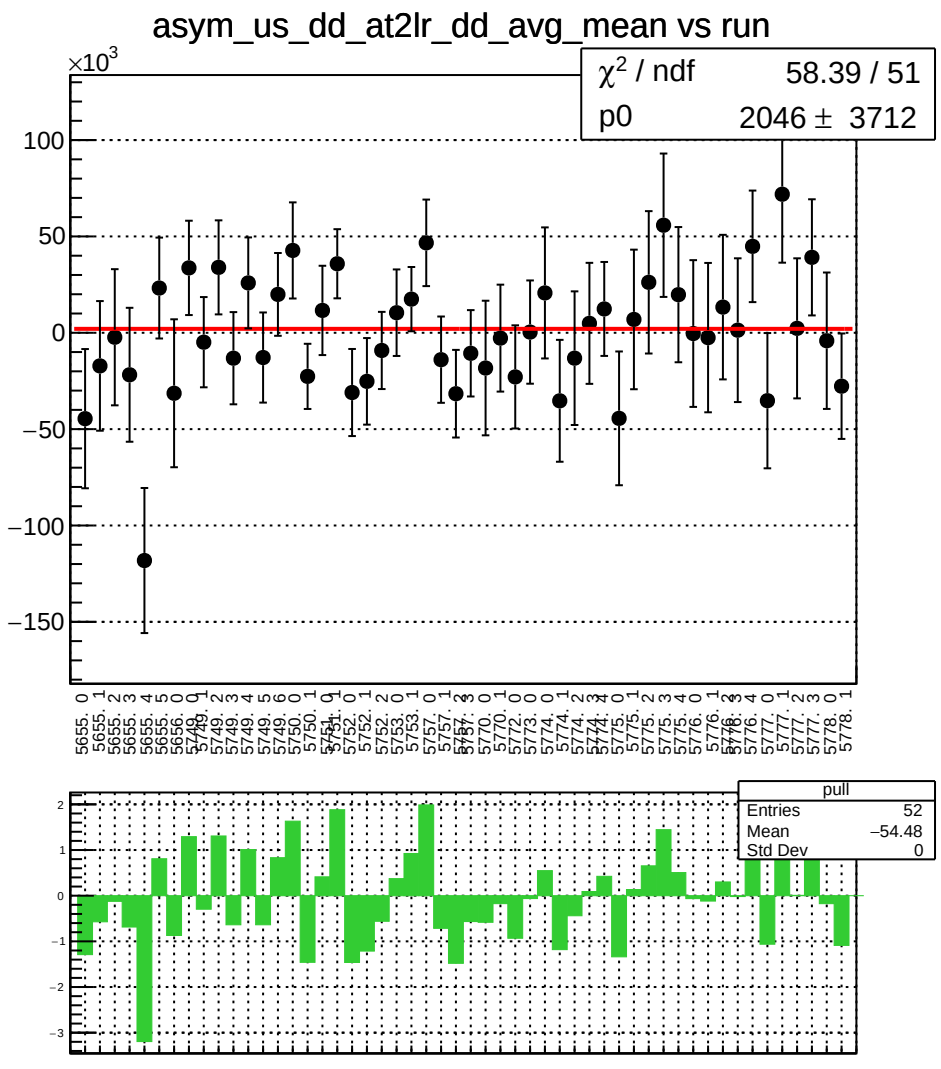
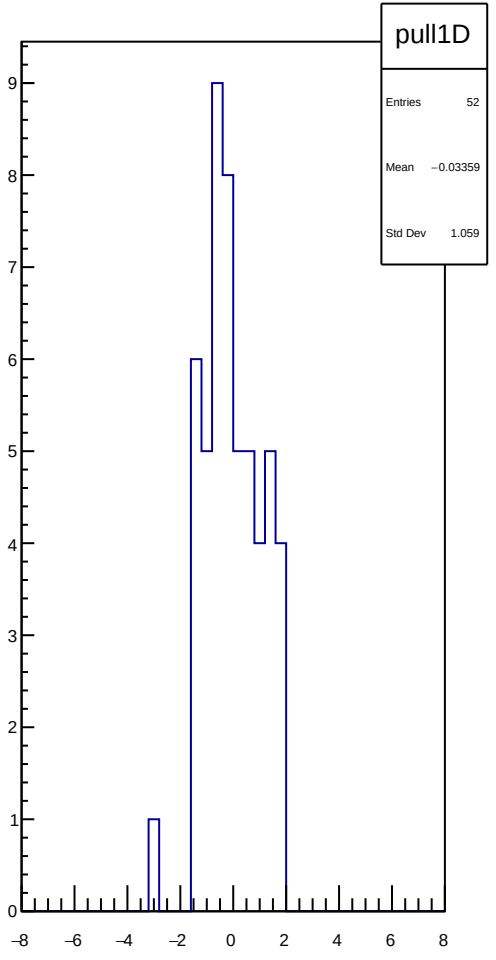
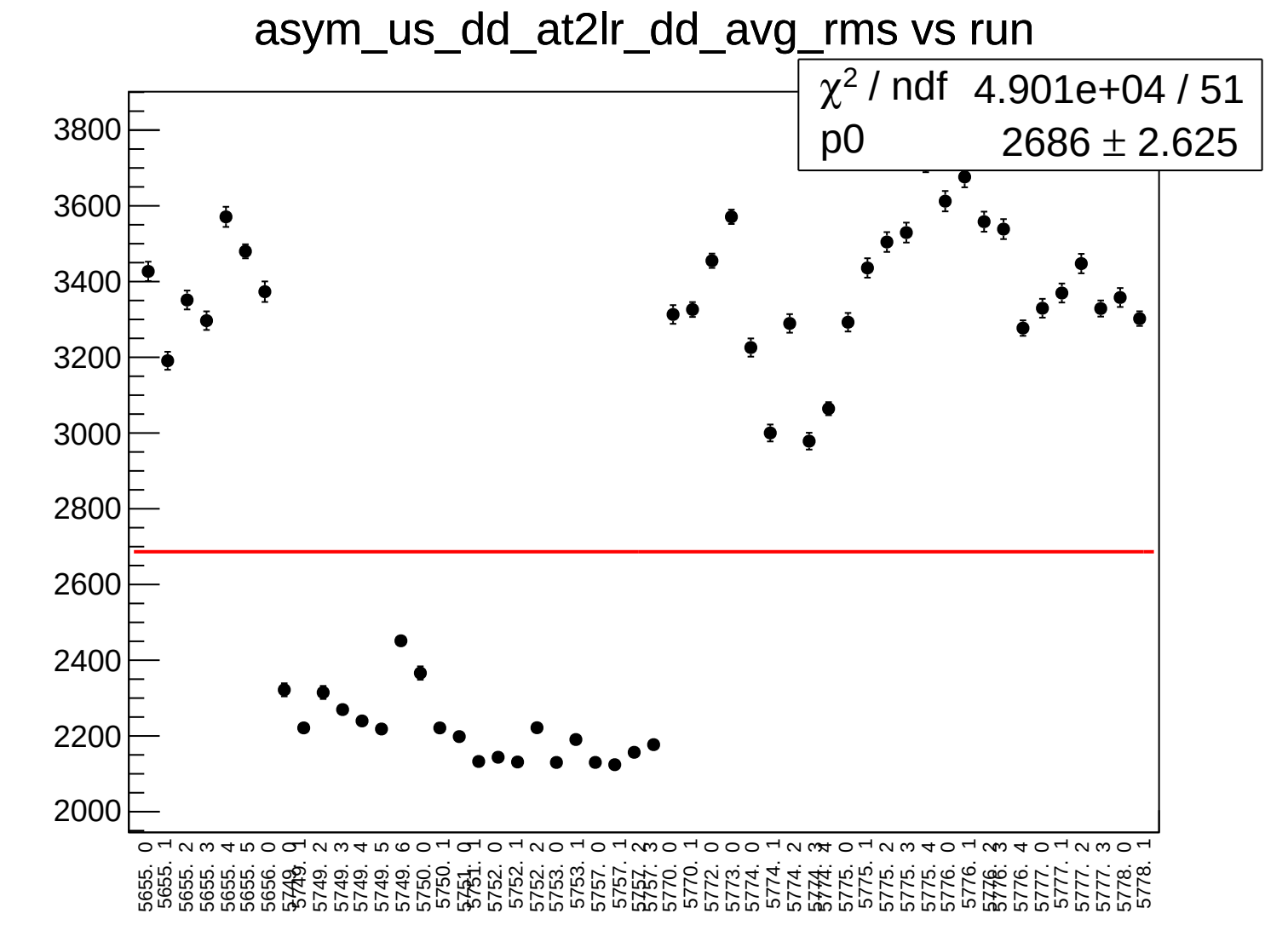
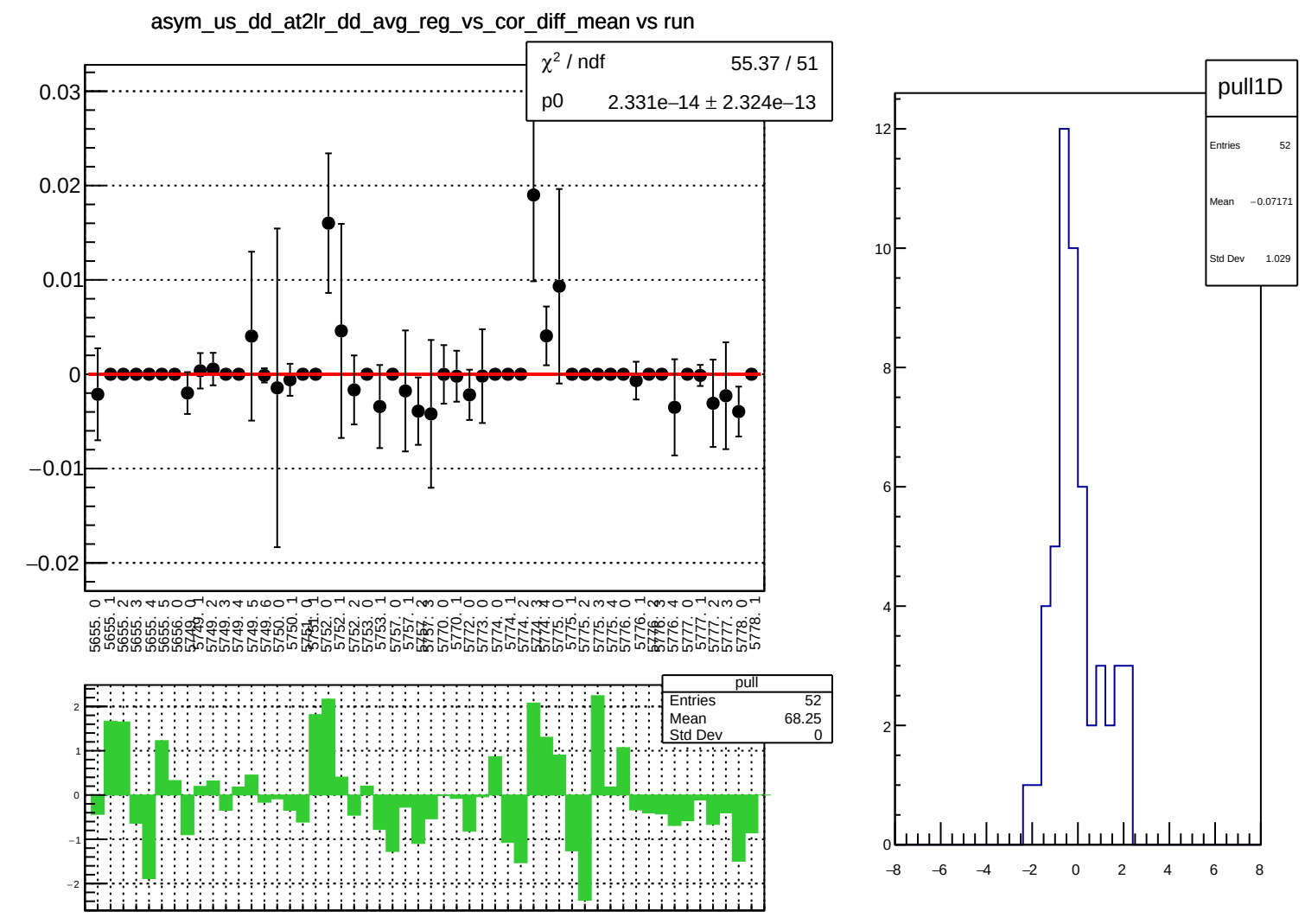
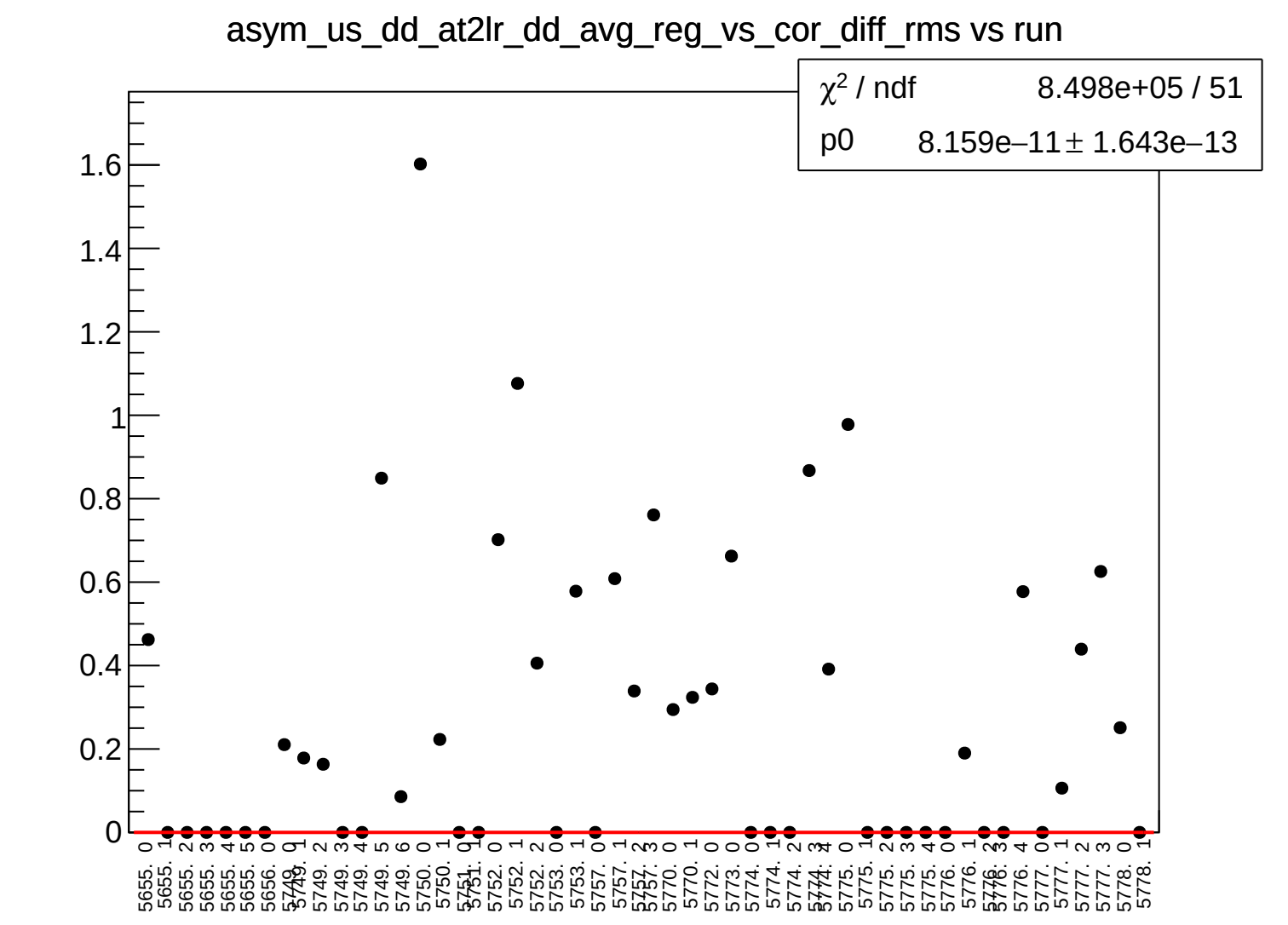
5777. 3
5778. 0
5778. 1

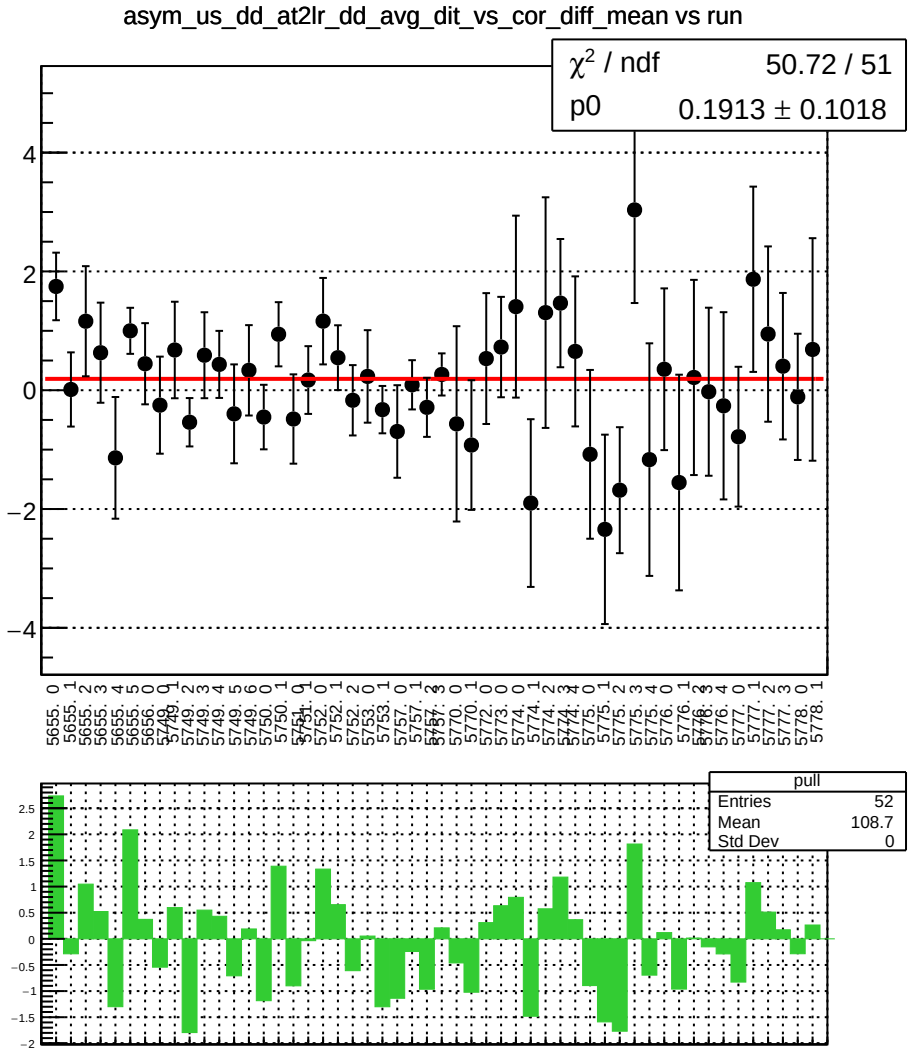

asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 58.39 / 51
p0 2046 ± 3712
100
50
0
−50
−100
−150
pull
Entries 52
Mean −54.48
Std Dev 0
2
1
0
−1
−2
−3

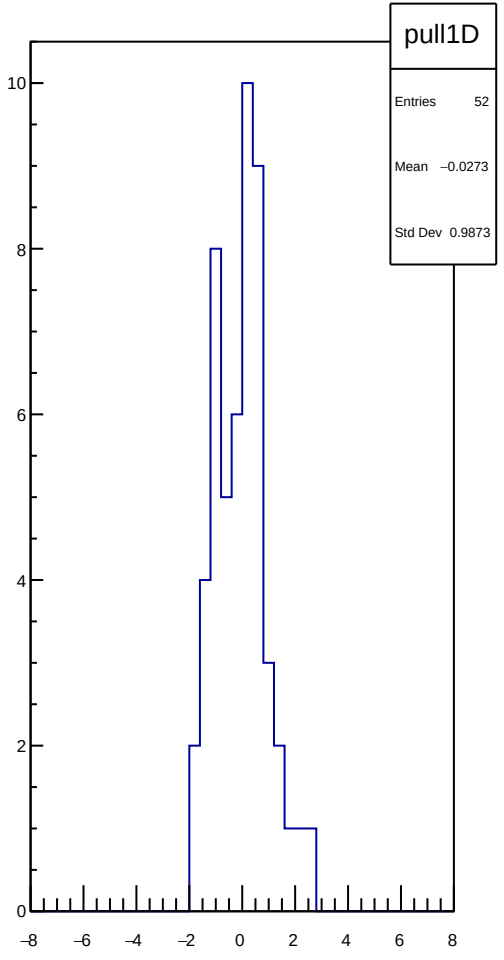

pull1D
Entries 52
Mean −0.03359
Std Dev 1.059
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

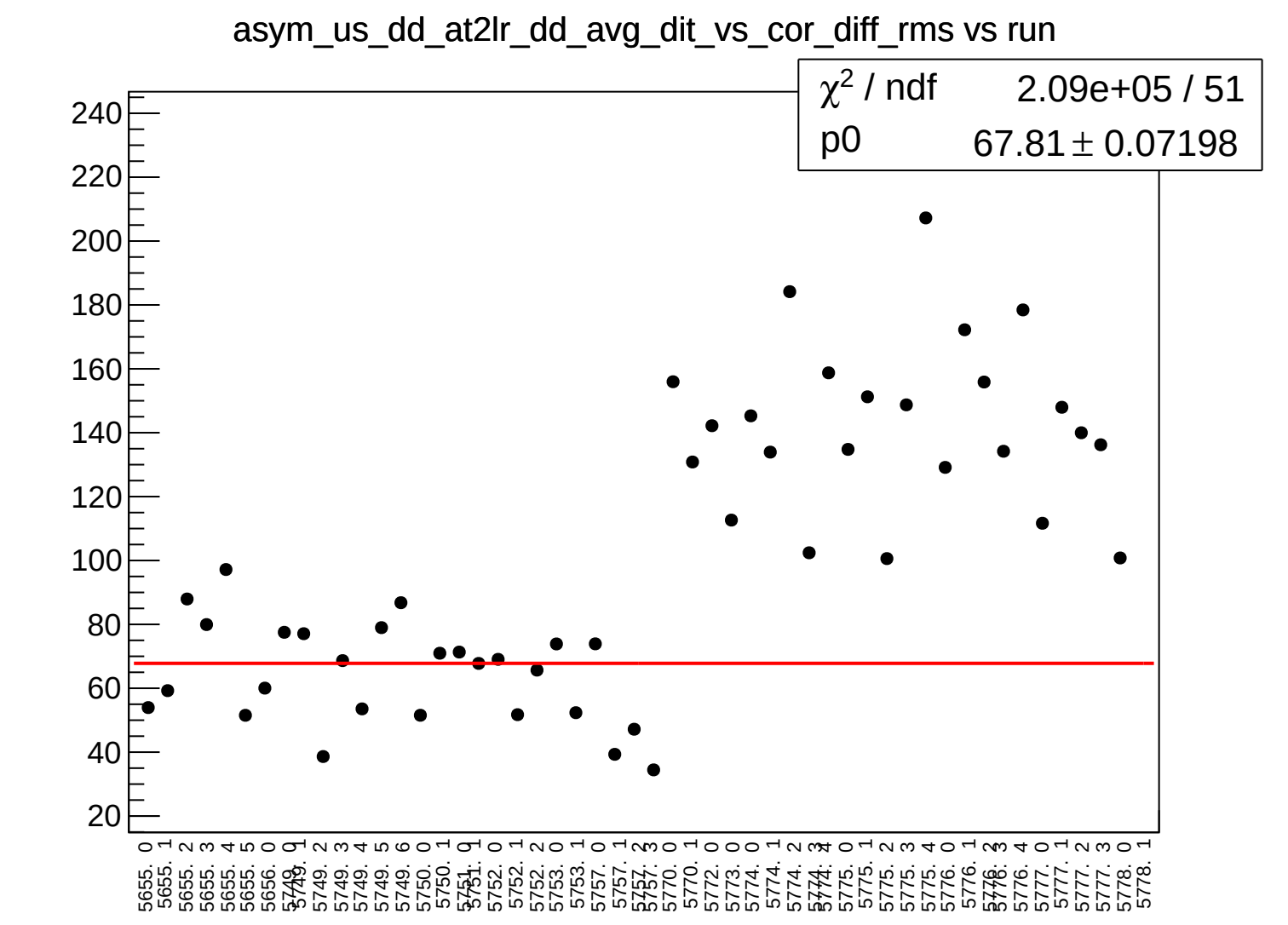

asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 4.901e+04 / 51
p0 2686 ± 2.625
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

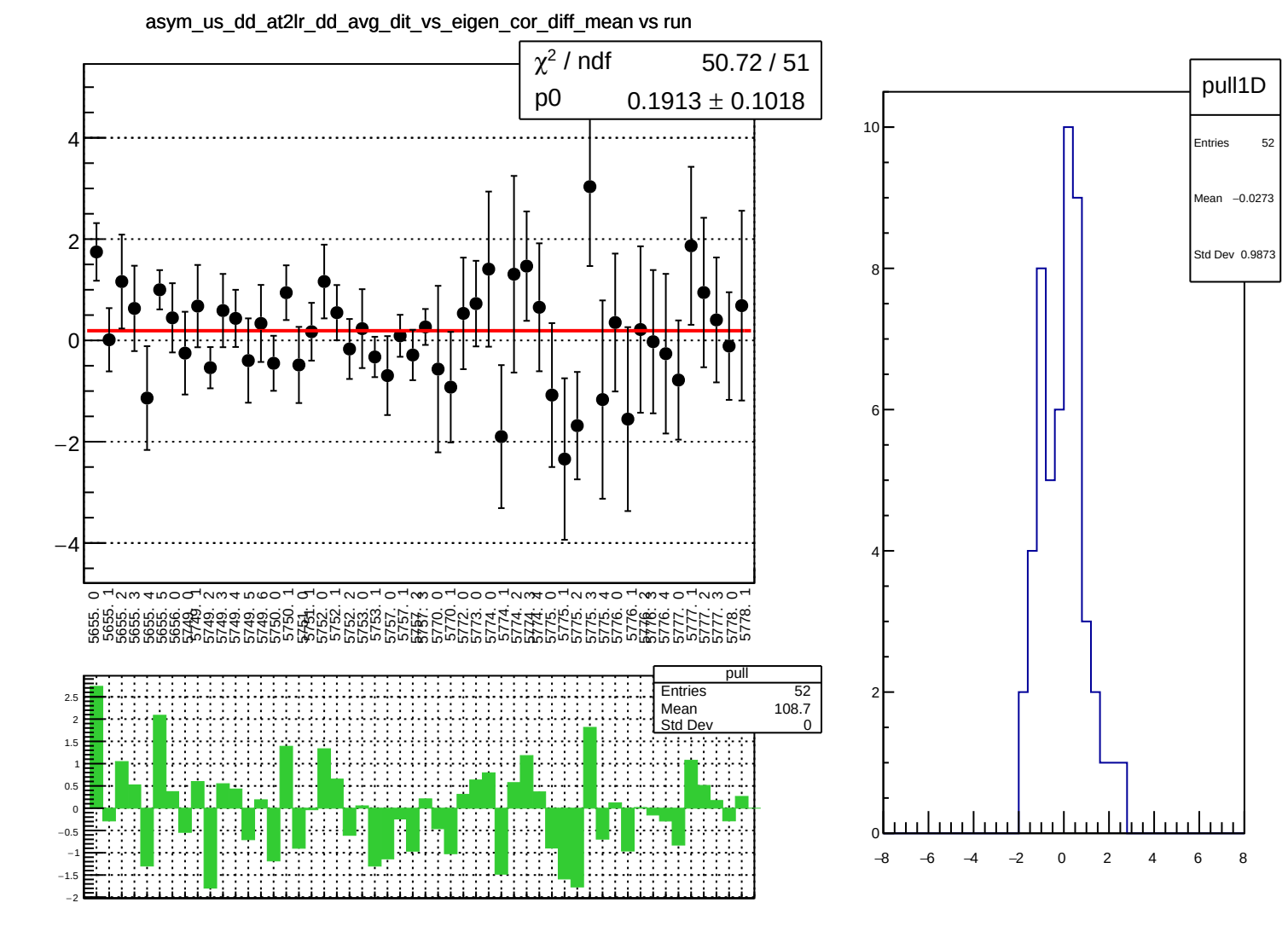

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 55.37 / 51
p0 2.331e−14 ± 2.324e−13
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 52
Mean 68.25
Std Dev 0
pull1D
Entries 52
Mean −0.07171
Std Dev 1.029

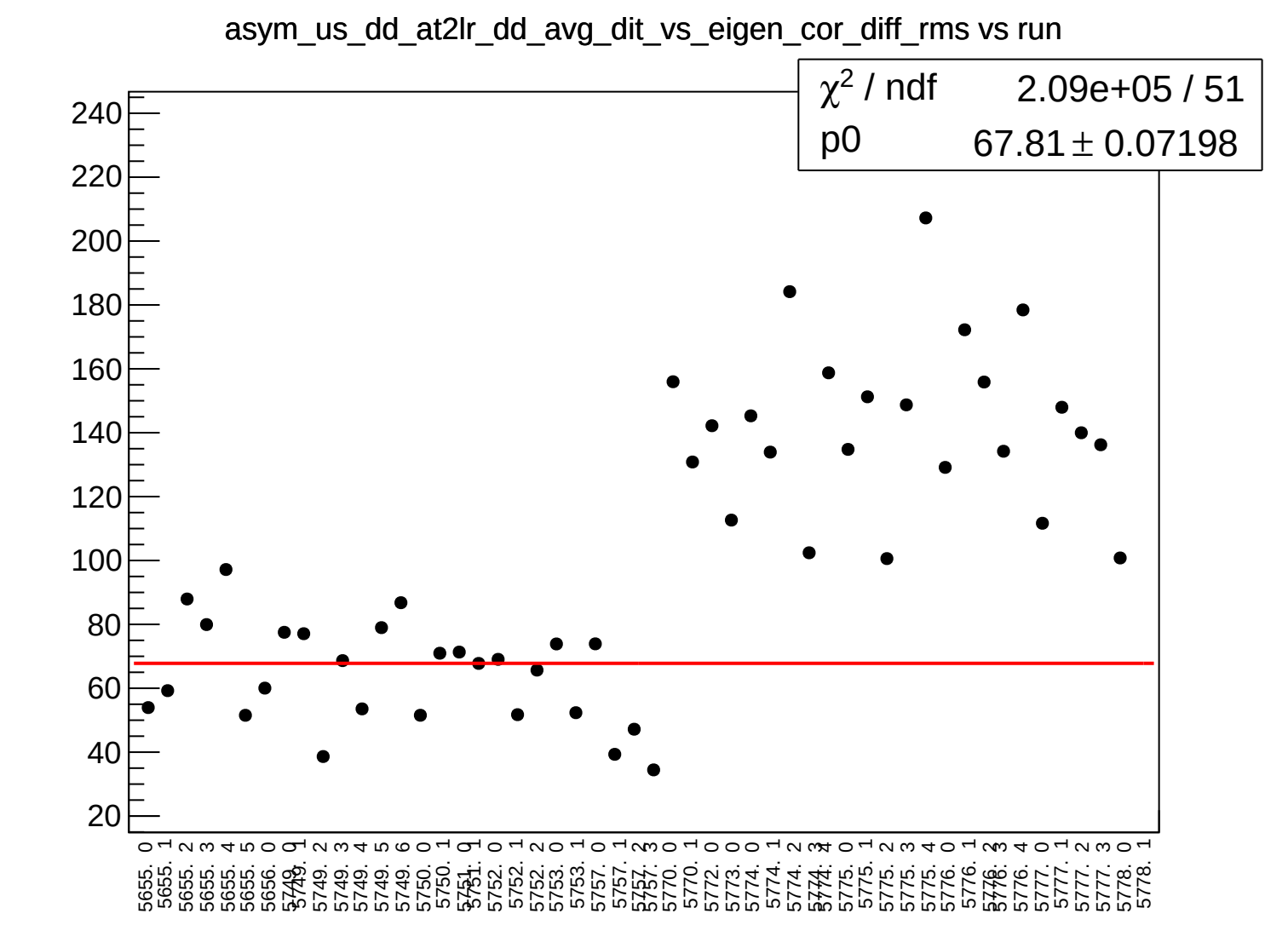

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.498e+05 / 51
p0 8.159e−11 ± 1.643e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

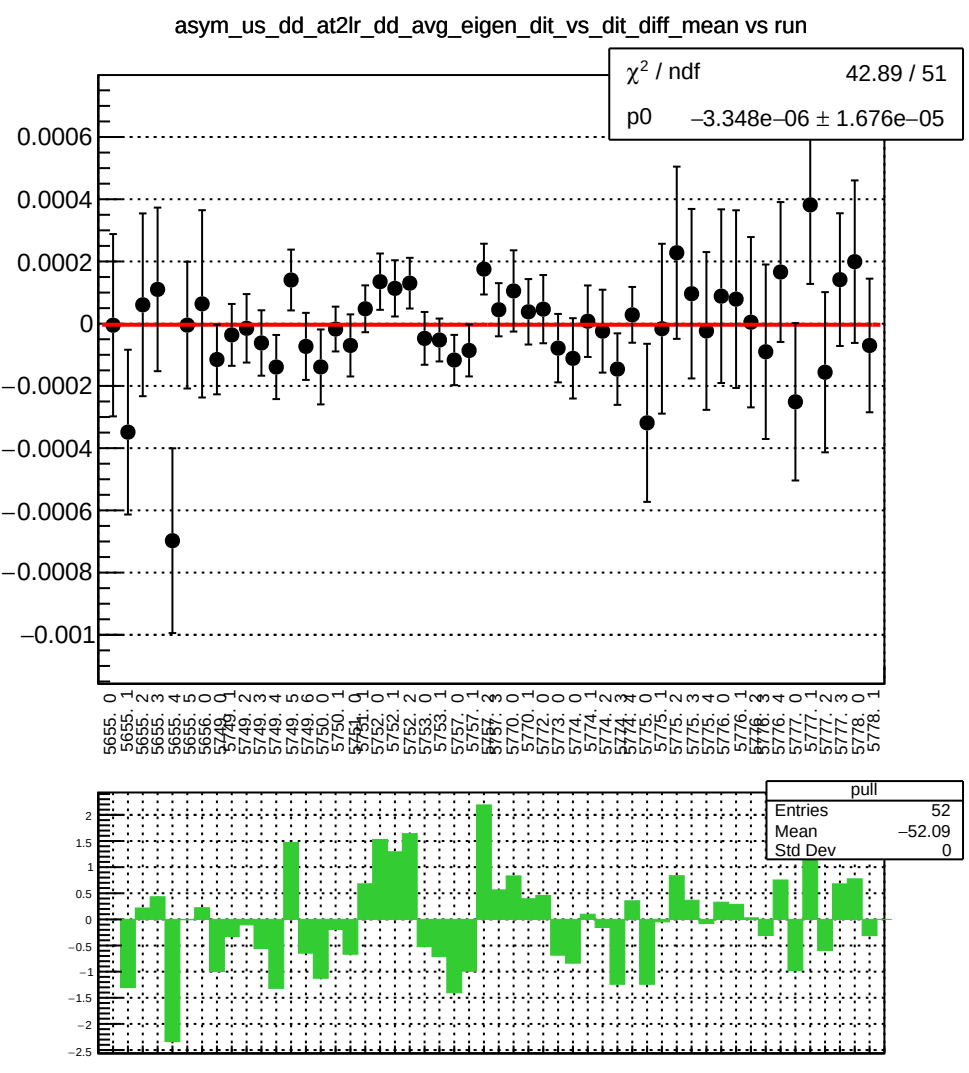

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 50.72 / 51
p0 0.1913 ± 0.1018
pull
Entries 52
Mean 108.7
Std Dev 0

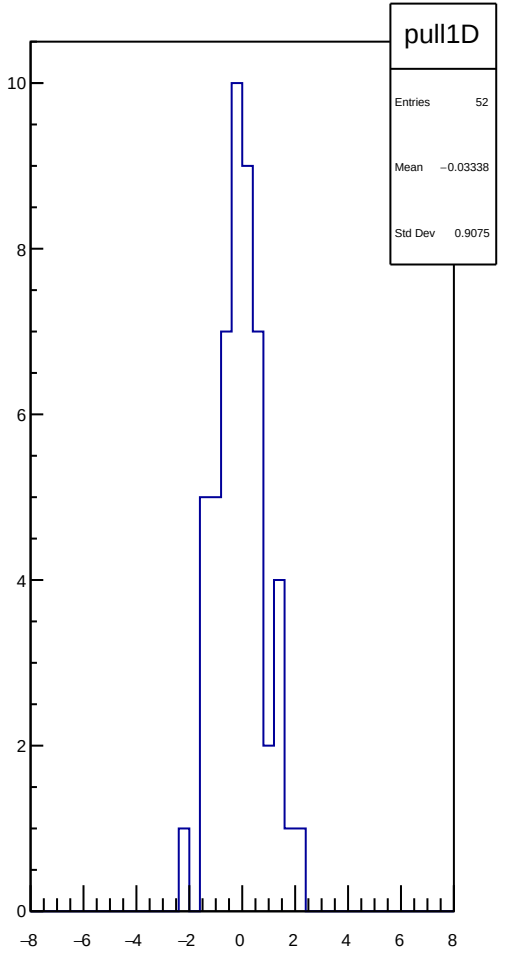

pull1D
Entries 52
Mean −0.0273
Std Dev 0.9873

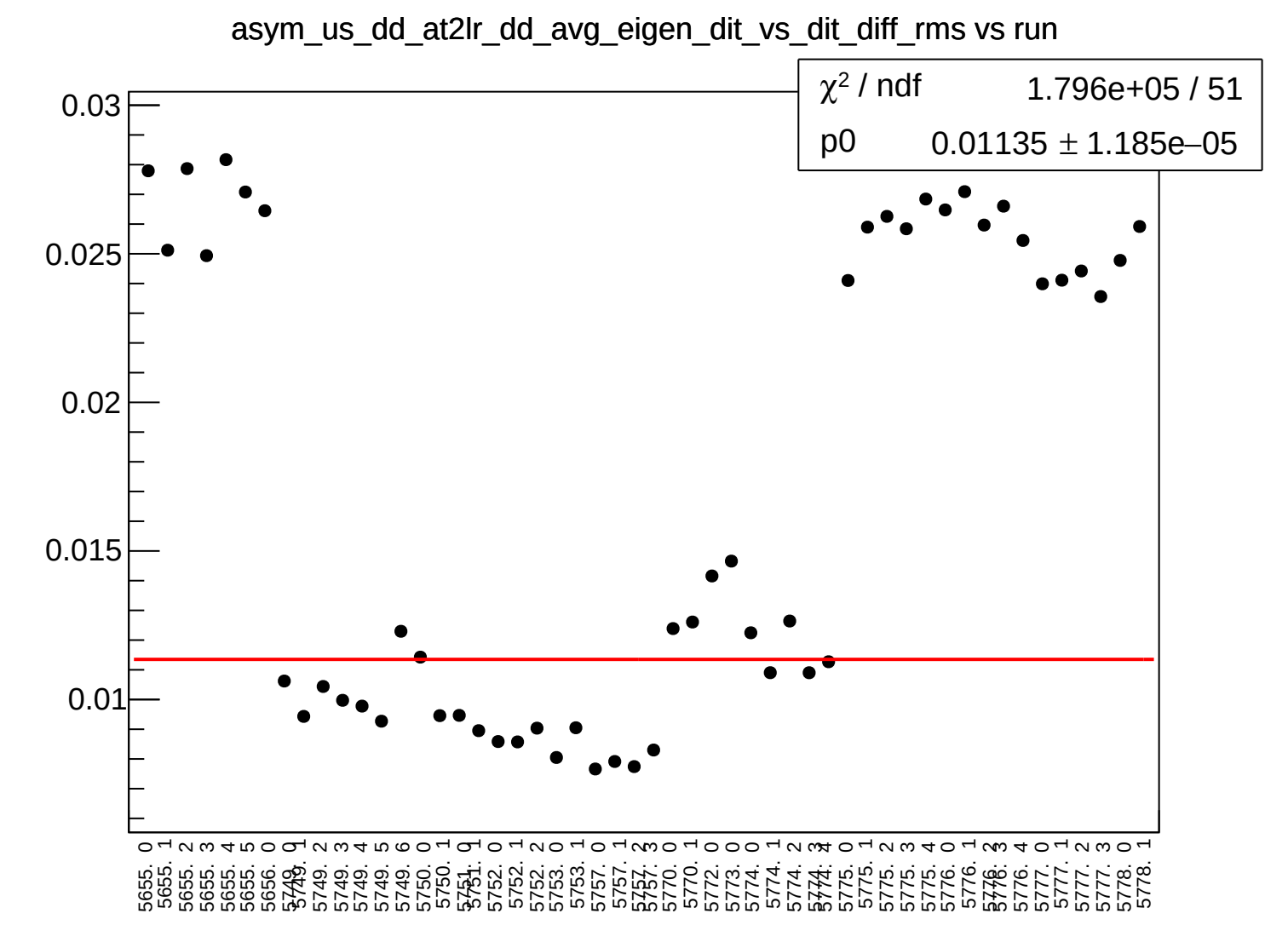

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.09e+05 / 51
p0 67.81 ± 0.07198
240
220
200
180
160
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

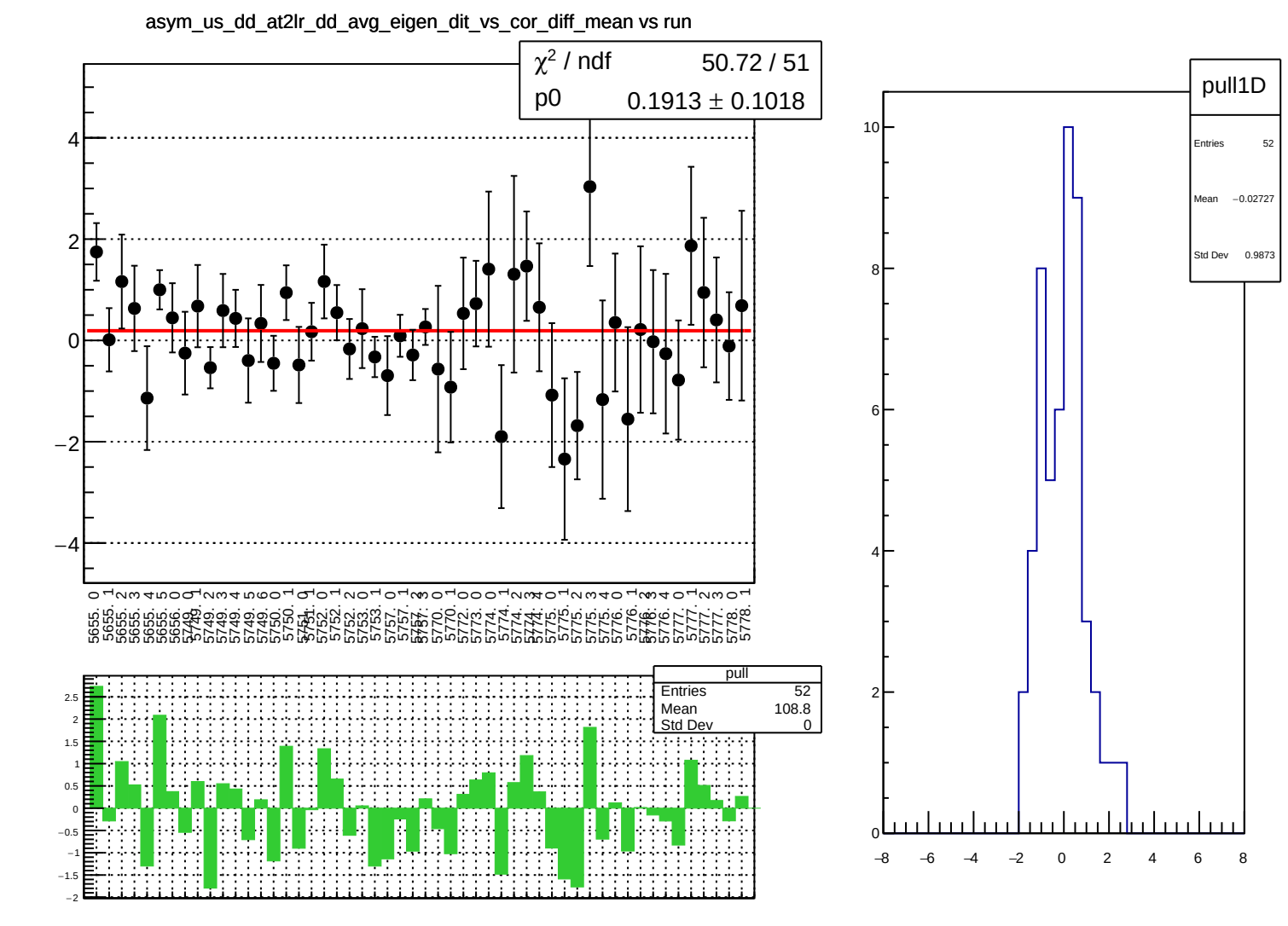

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.72 / 51
p0 0.1913 ± 0.1018
pull
Entries 52
Mean 108.7
Std Dev 0
pull1D
Entries 52
Mean −0.0273
Std Dev 0.9873

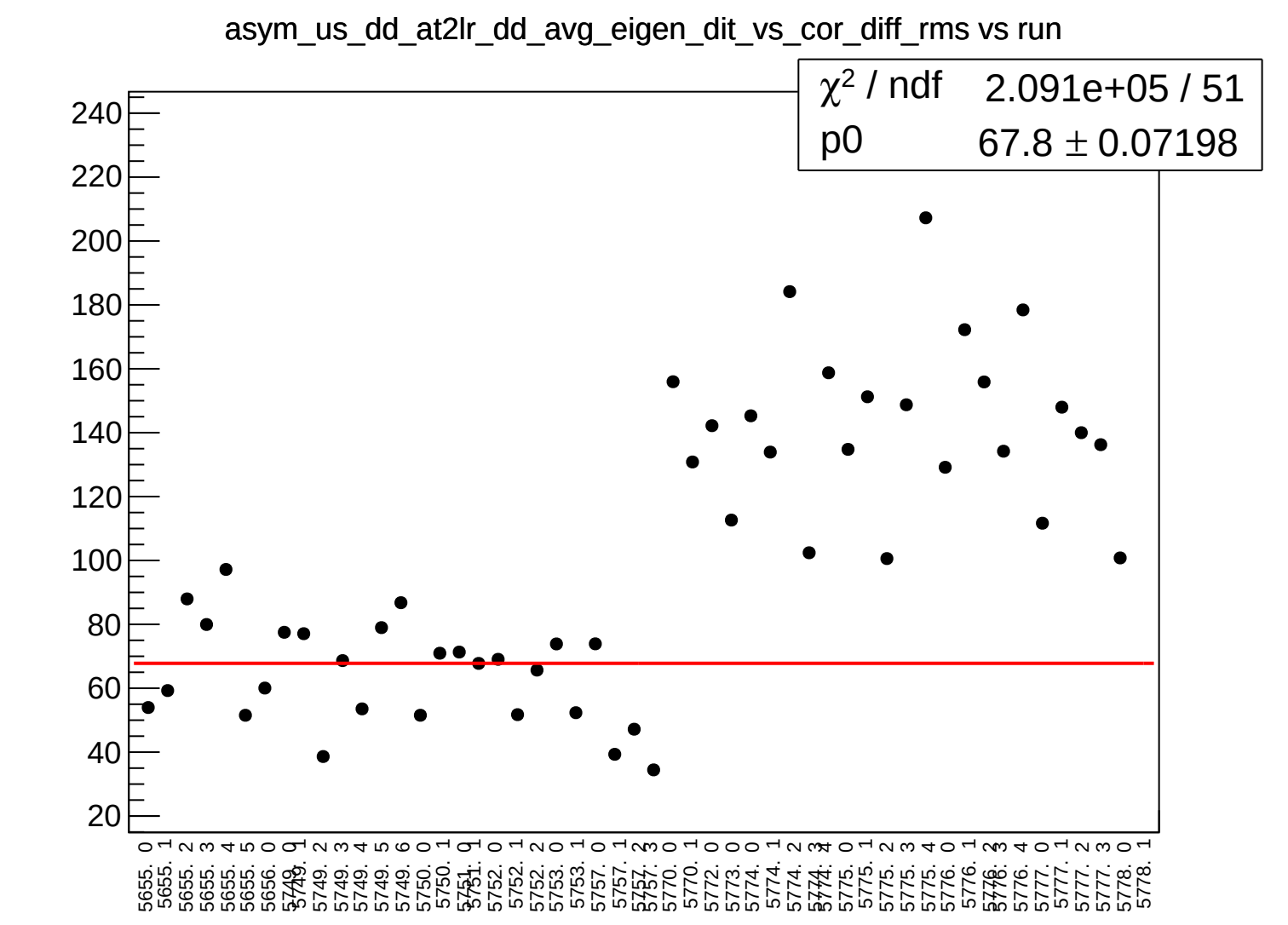

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.09e+05 / 51
p0 67.81 ± 0.07198
240
220
200
180
160
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

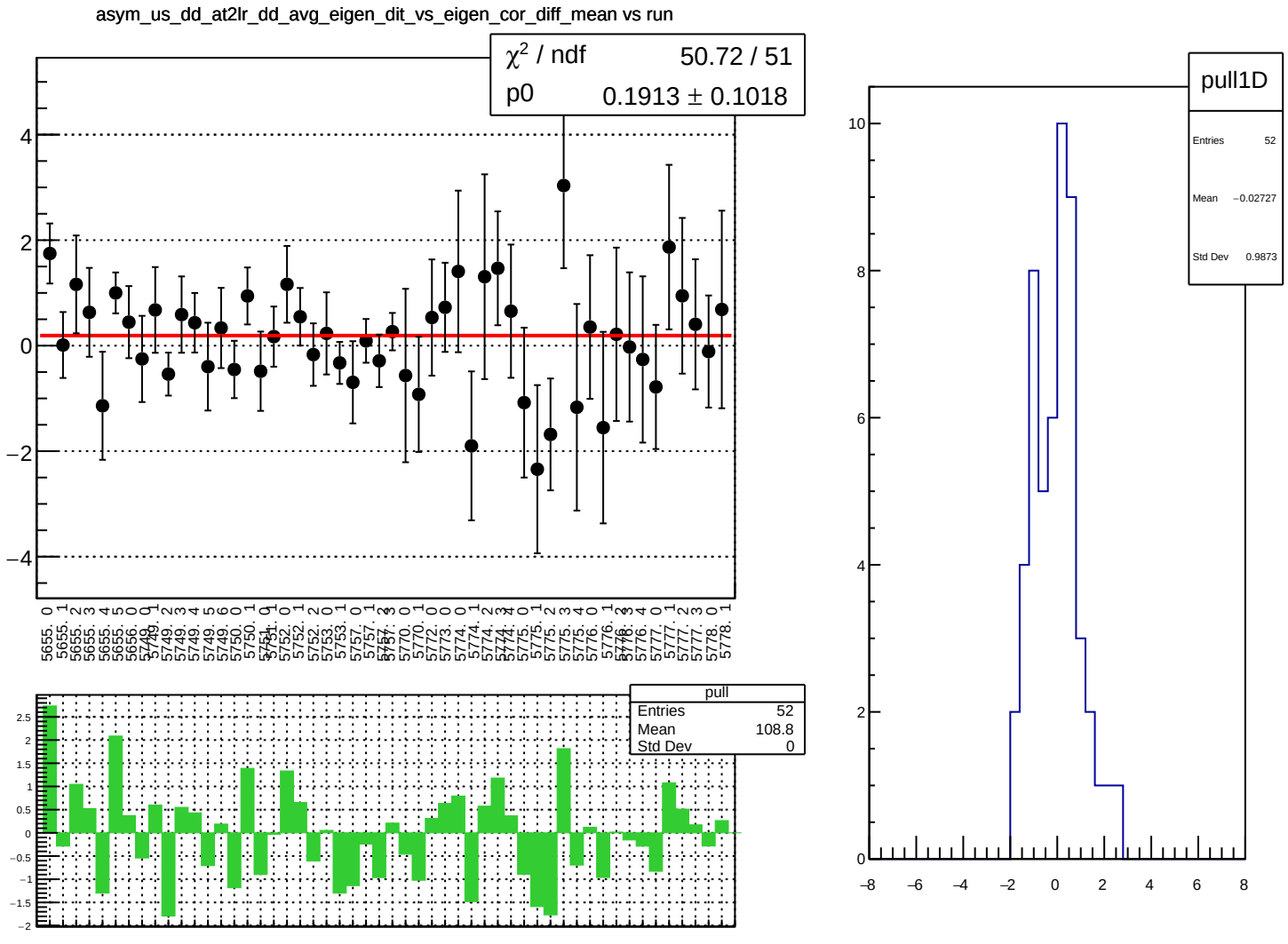

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 42.89 / 51
p0 −3.348e−06 ± 1.676e−05
pull
Entries 52
Mean −52.09
Std Dev 0

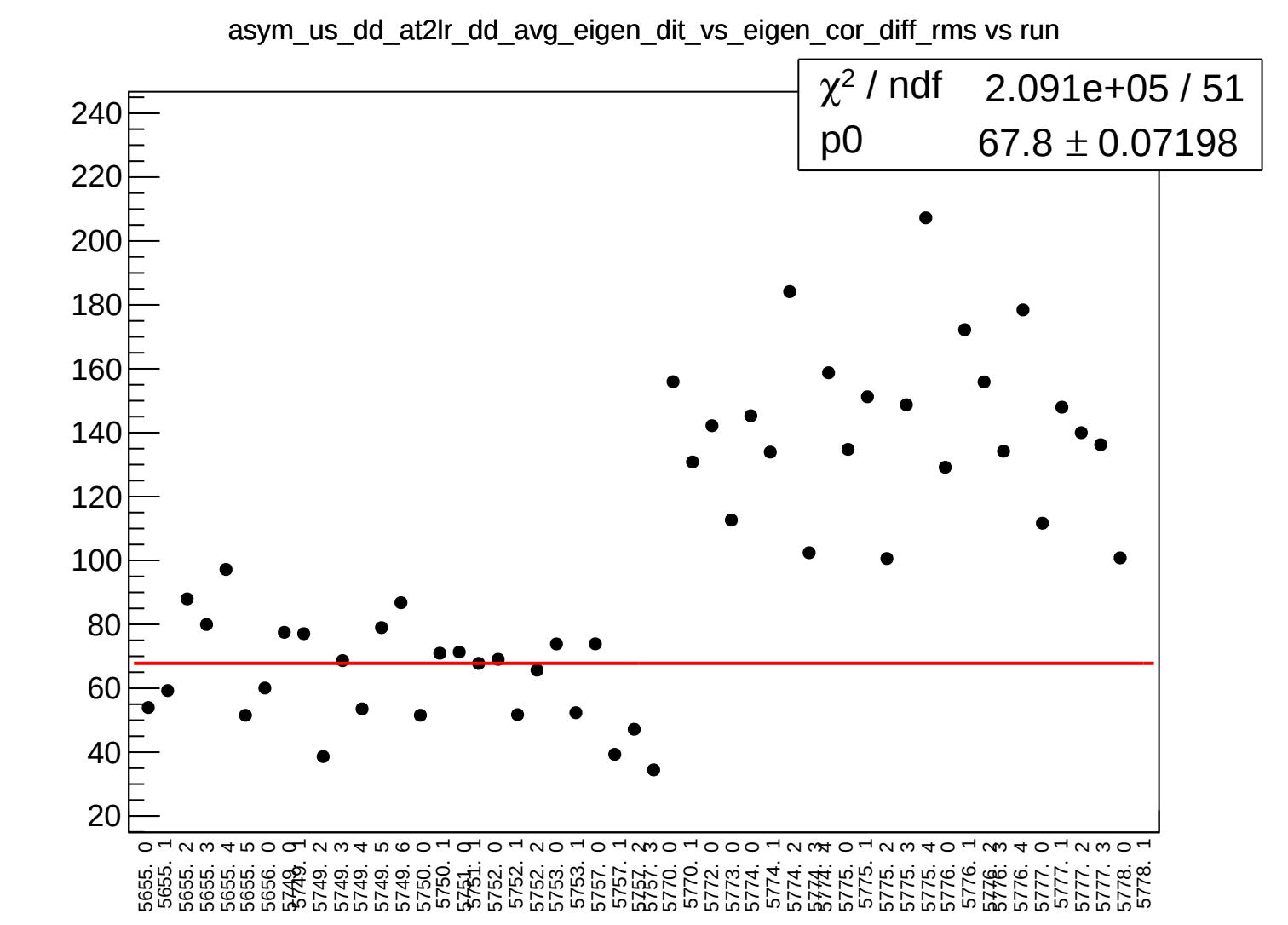

pull1D
Entries 52
Mean −0.03338
Std Dev 0.9075

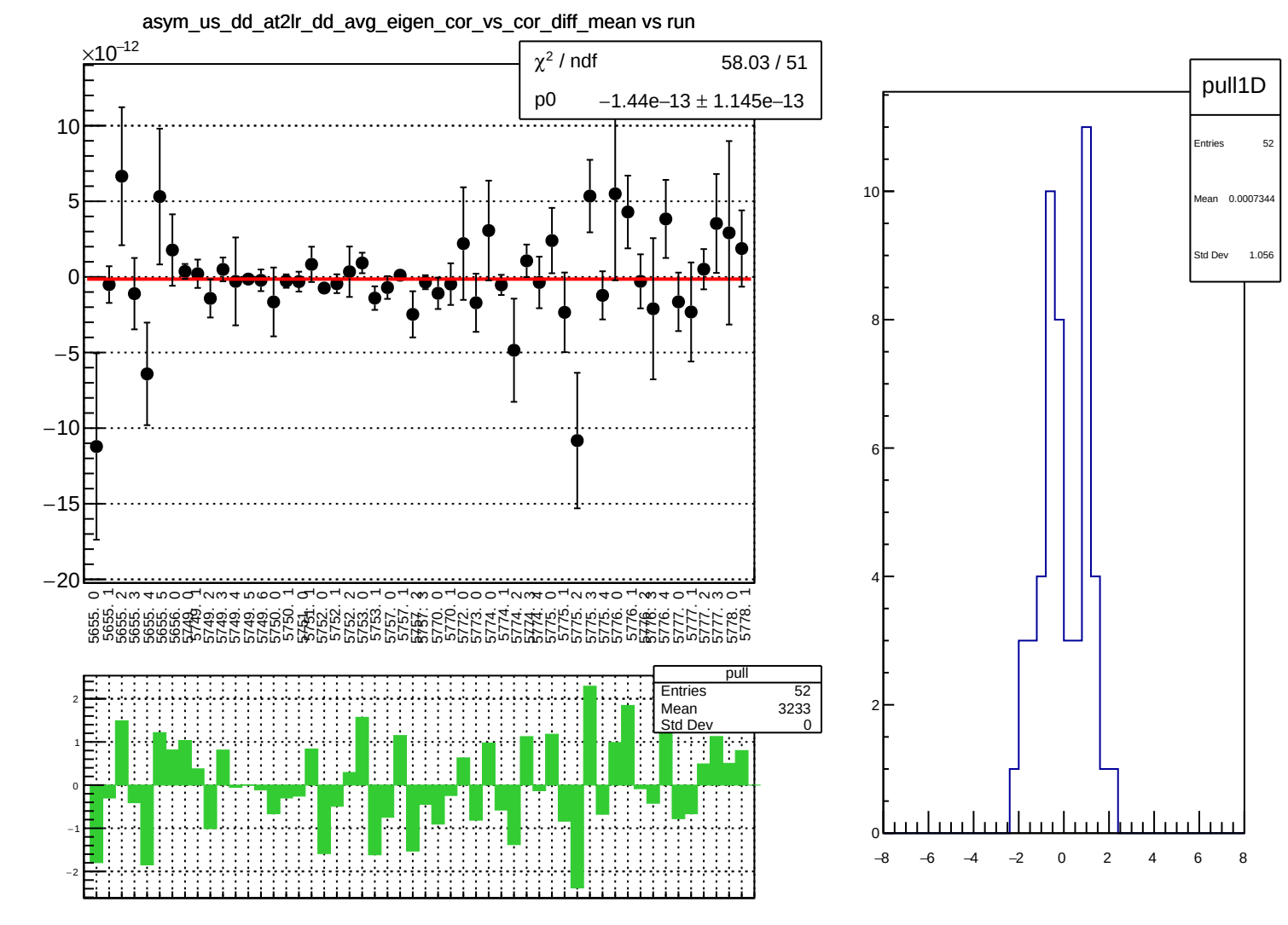

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.796e+05 / 51
p0 0.01135 ± 1.185e−05
0.03
0.025
0.02
0.015
0.01
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

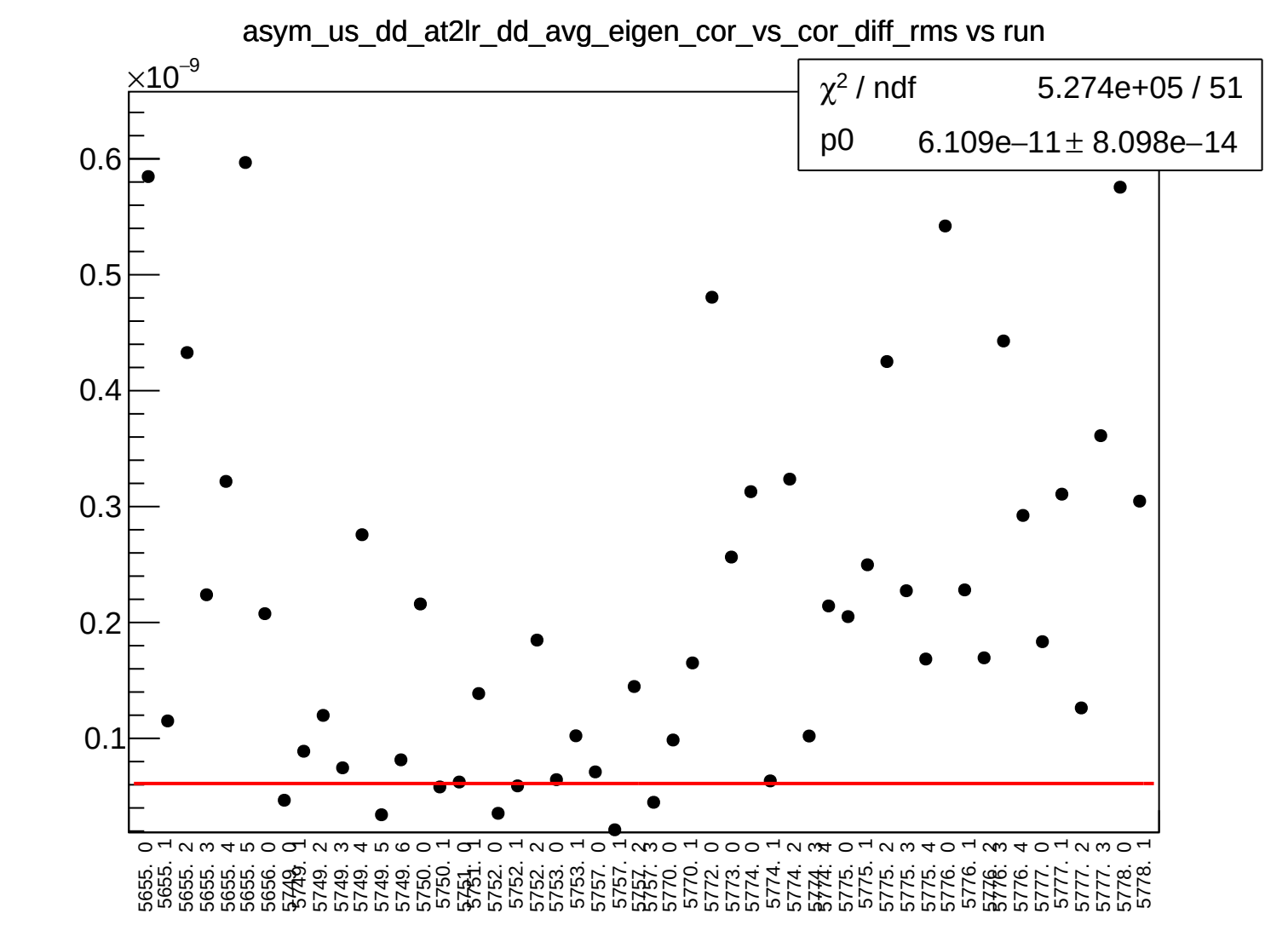

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.72 / 51
p0 0.1913 ± 0.1018
pull
Entries 52
Mean 108.8
Std Dev 0
pull1D
Entries 52
Mean −0.02727
Std Dev 0.9873

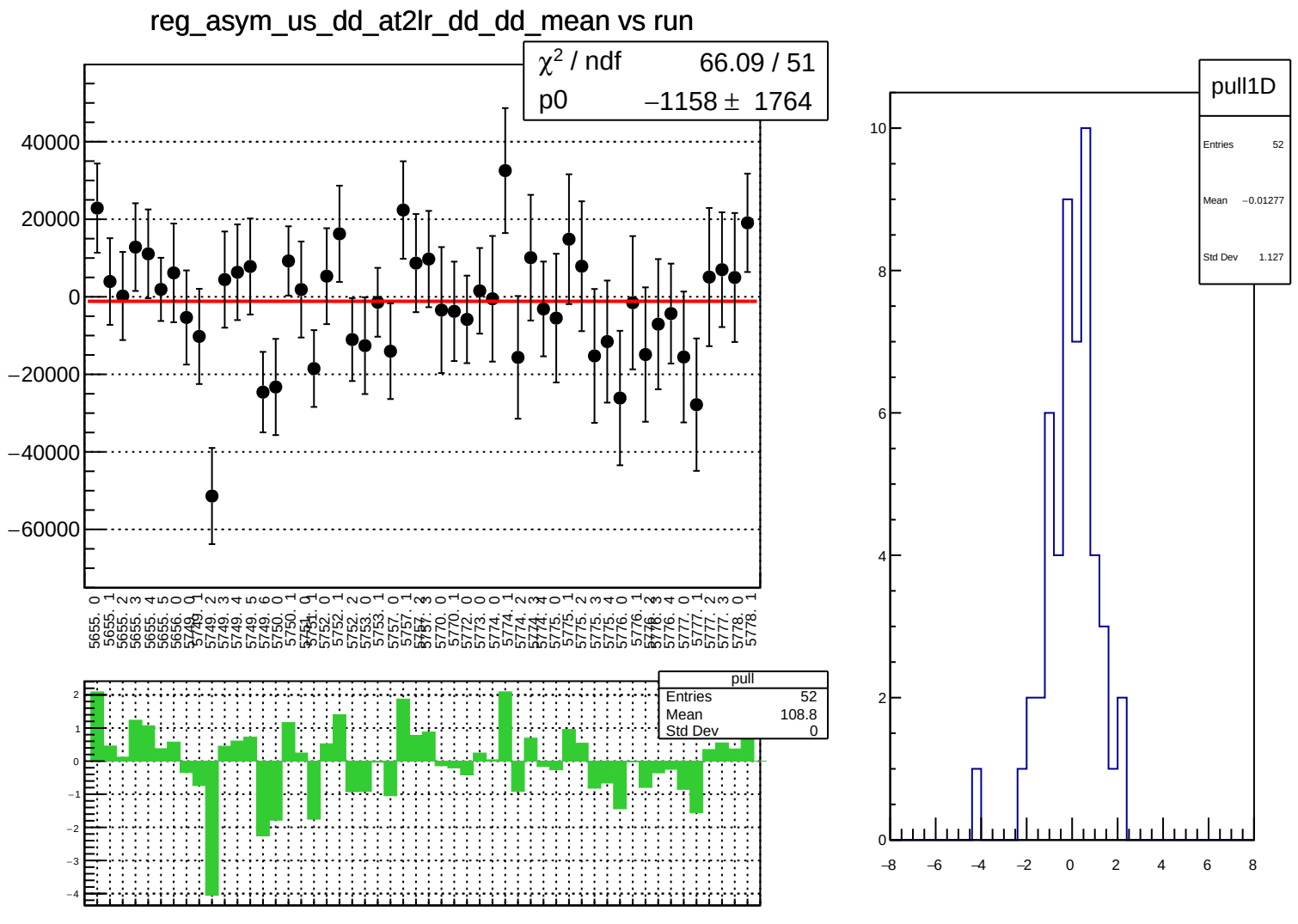

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.091e+05 / 51
p0 67.8 ± 0.07198
240
220
200
180
160
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

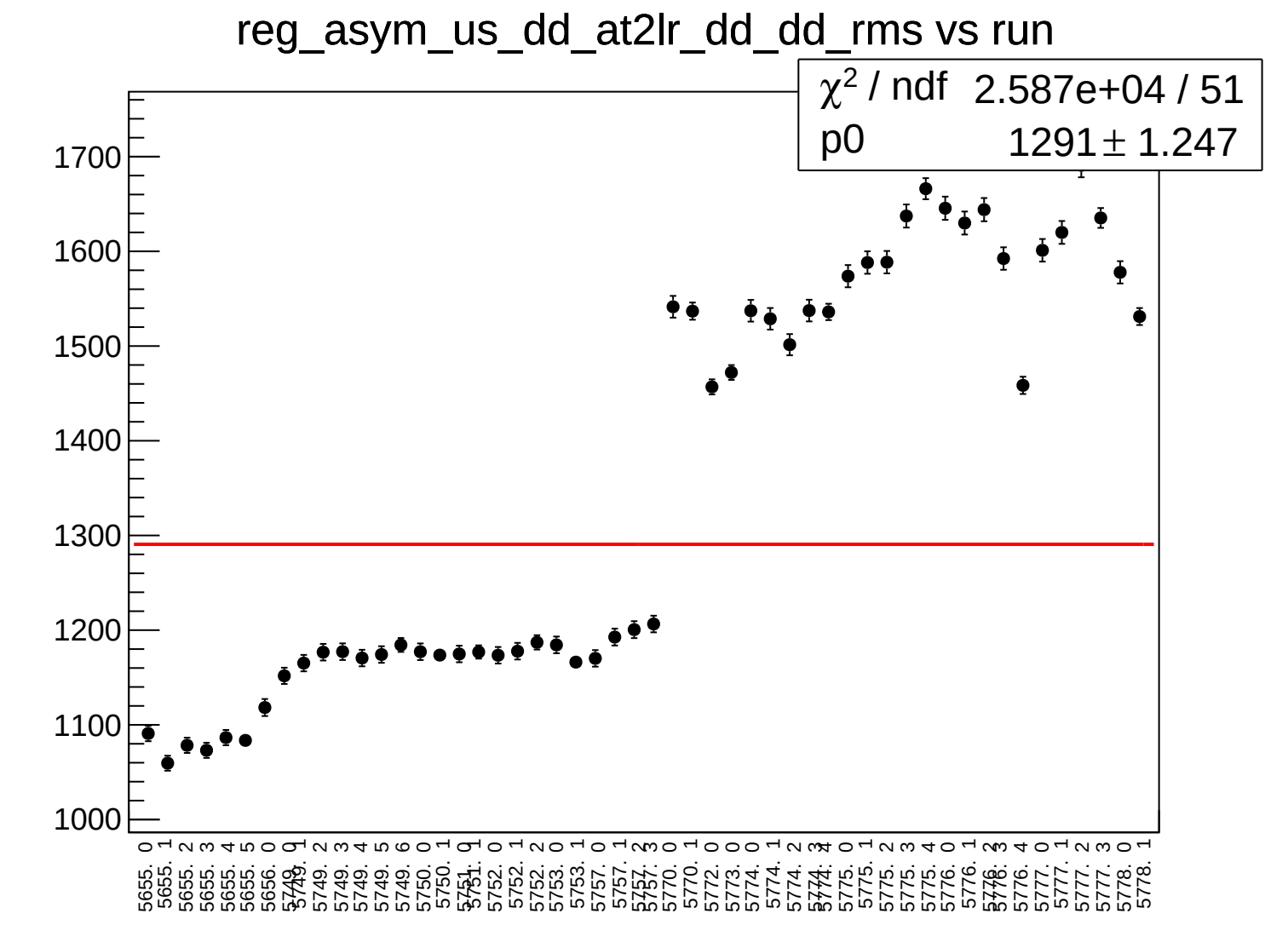

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.72 / 51
p0 0.1913 ± 0.1018
pull
Entries 52
Mean 108.8
Std Dev 0
pull1D
Entries 52
Mean −0.02727
Std Dev 0.9873

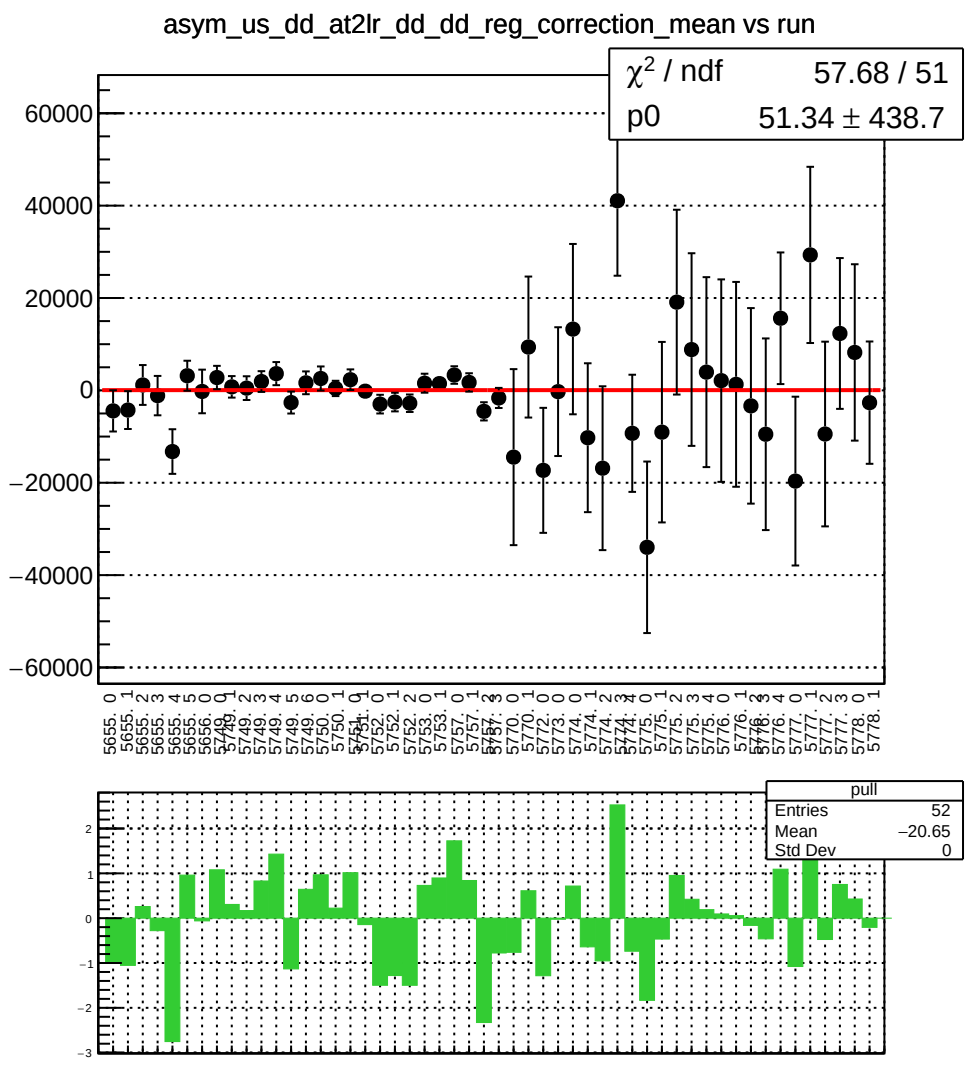

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.091e+05 / 51
p0 67.8 ± 0.07198
240
220
200
180
160
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

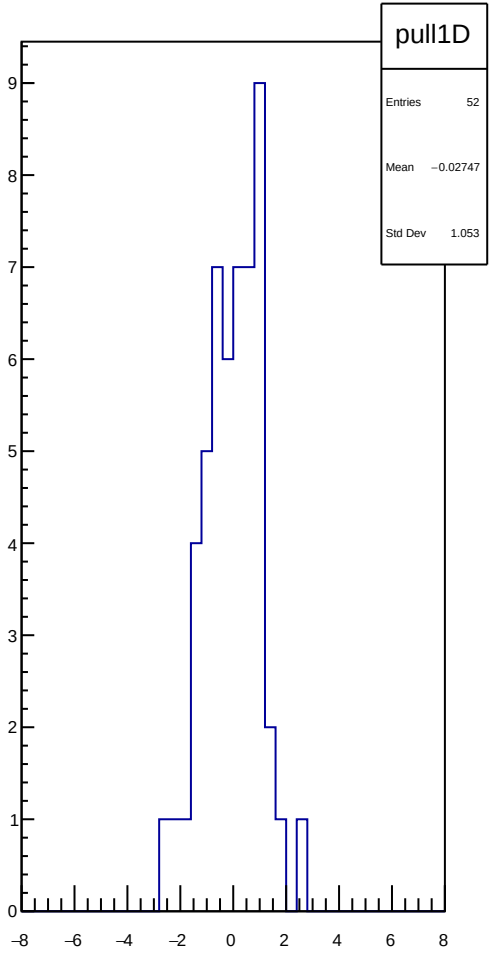

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.03 / 51
p0 −1.44e−13 ± 1.145e−13
pull
Entries 52
Mean 3233
Std Dev 0
pull1D
Entries 52
Mean 0.0007344
Std Dev 1.056

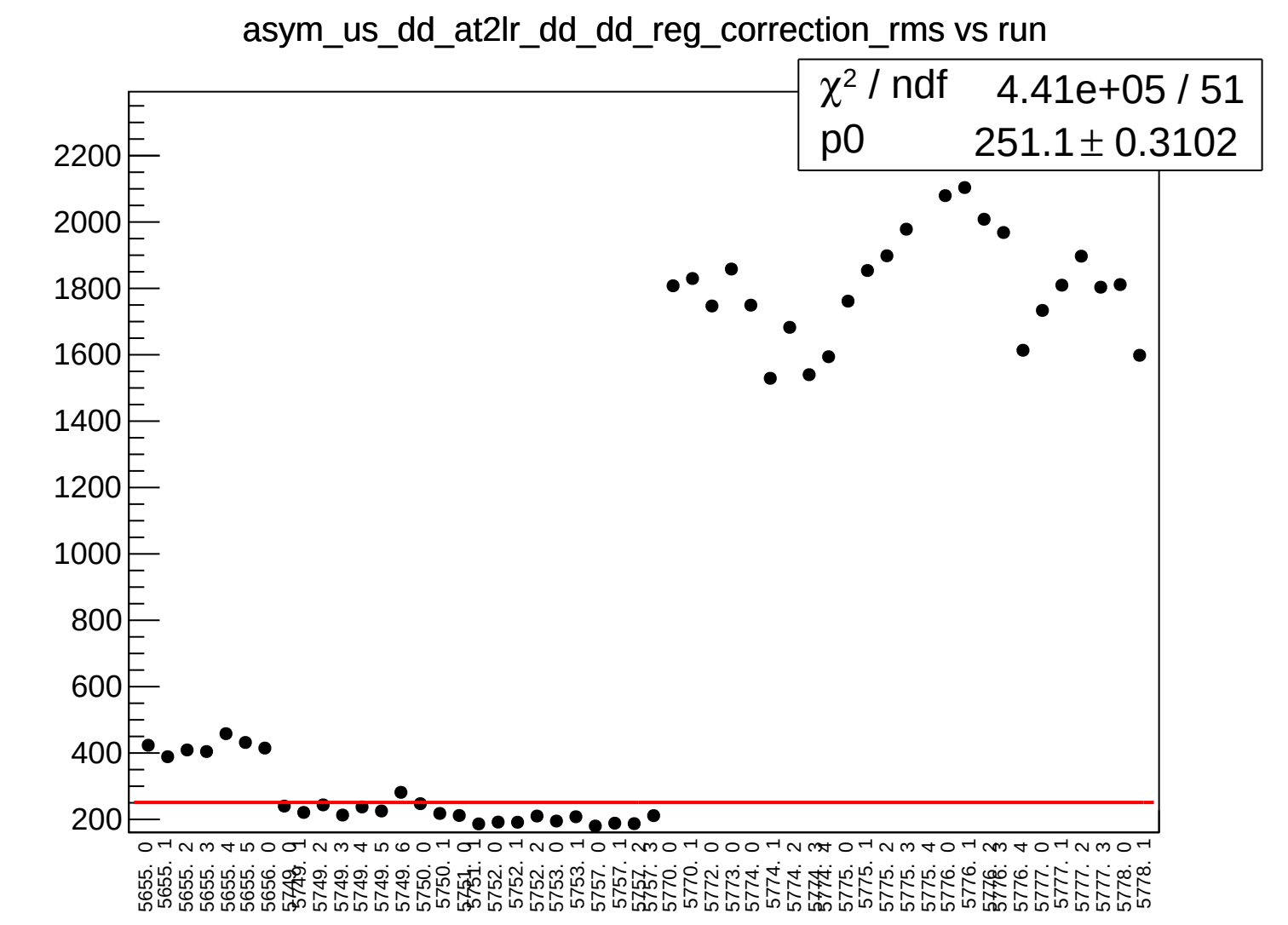

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.274e+05 / 51
p0 6.109e−11 ± 8.098e−14
0.6
0.5
0.4
0.3
0.2
0.1
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


reg_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 66.09 / 51
p0 −1158 ± 1764
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 108.8
Std Dev 0
pull1D
Entries 52
Mean −0.01277
Std Dev 1.127


reg_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 2.587e+04 / 51
p0 1291 ± 1.247
1700
1600
1500
1400
1300
1200
1100
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_dd_at2lr_dd_dd_reg_correction_mean vs run
χ² / ndf 57.68 / 51
p0 51.34 ± 438.7
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −20.65
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.02747
Std Dev 1.053
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at2lr_dd_dd_reg_correction_rms vs run
χ² / ndf 4.41e+05 / 51
p0 251.1 ± 0.3102
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
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5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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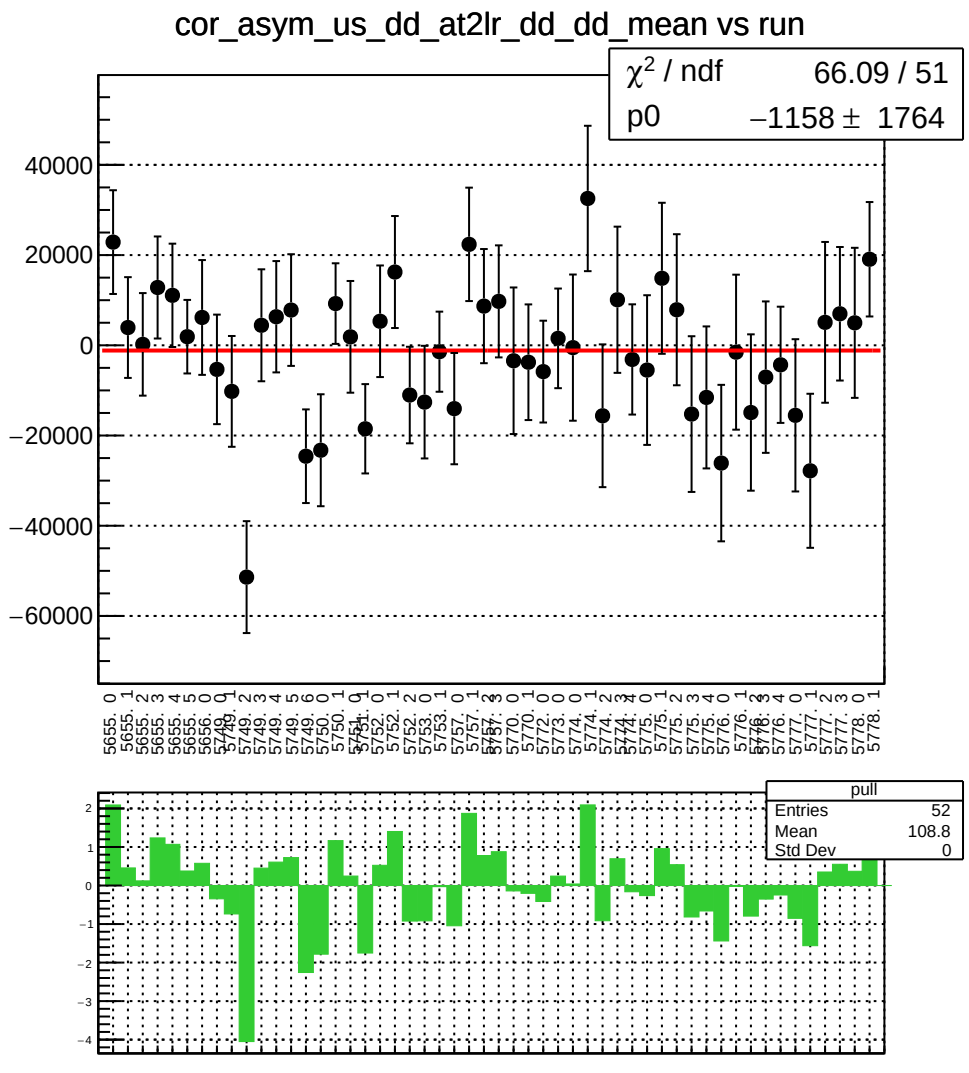
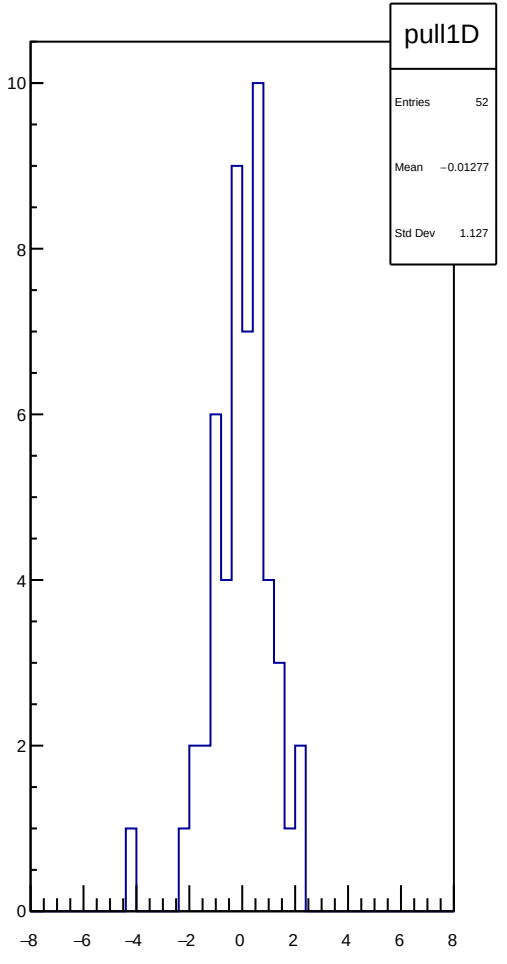
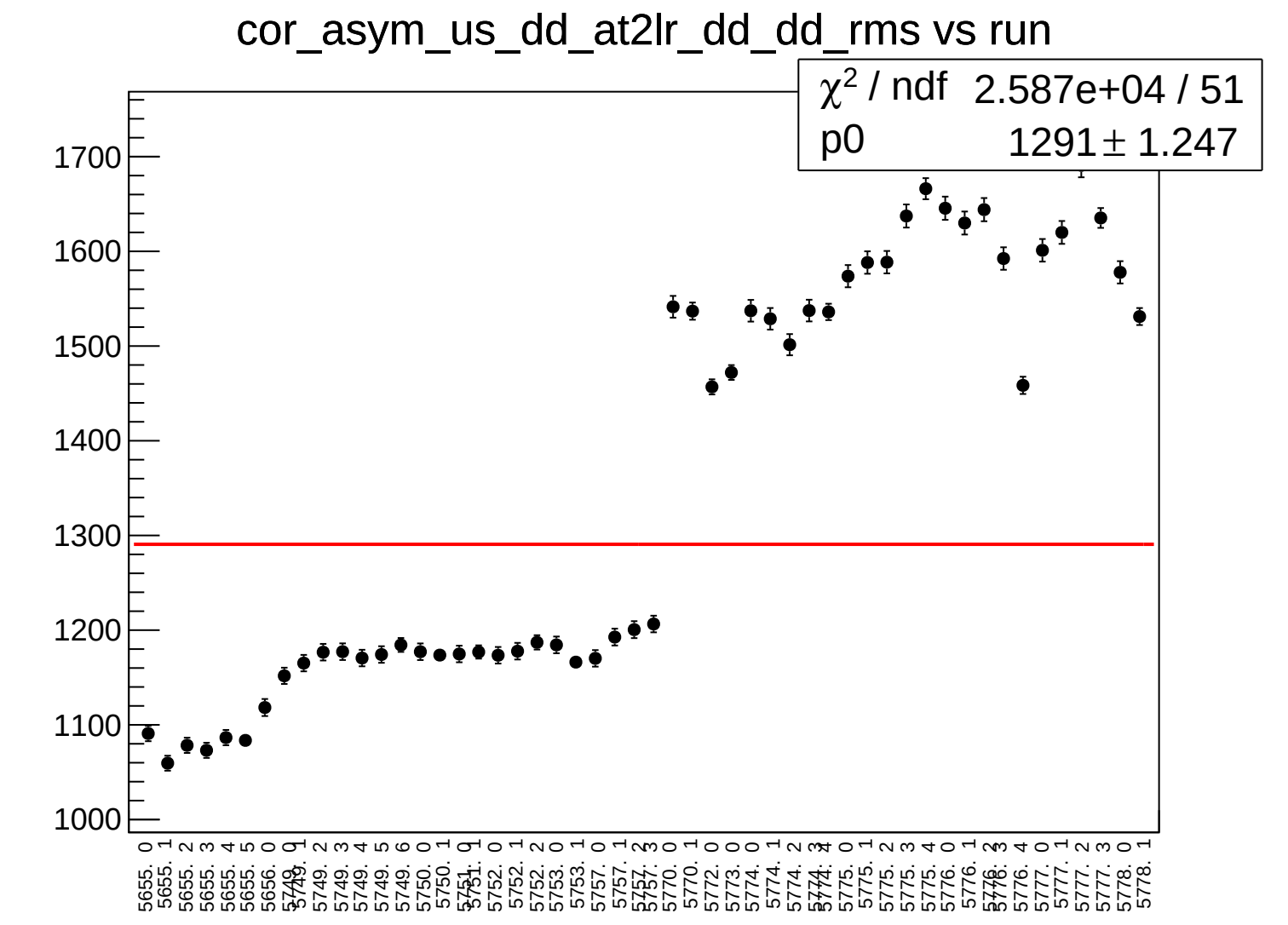
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 66.09 / 51
p0 −1158 ± 1764
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 108.8
Std Dev 0
2
1
0
−1
−2
−3
−4


pull1D
Entries 52
Mean −0.01277
Std Dev 1.127
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 2.587e+04 / 51
p0 1291 ± 1.247
1700
1600
1500
1400
1300
1200
1100
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5749. 2
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5749. 4
5749. 5
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5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5777. 2
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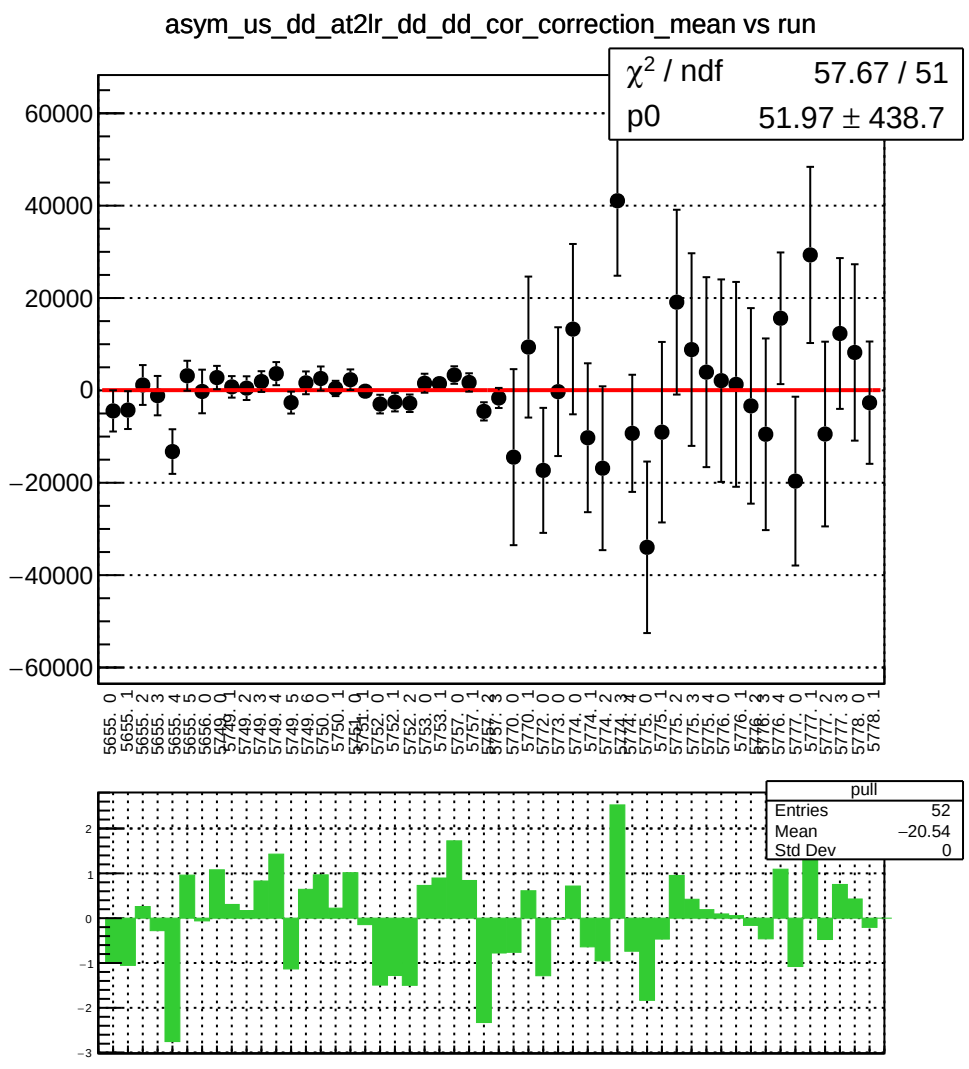
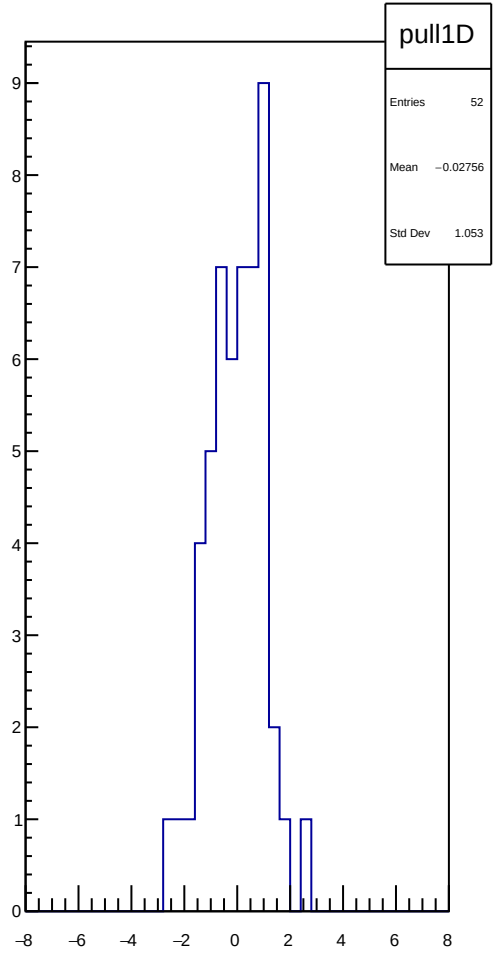
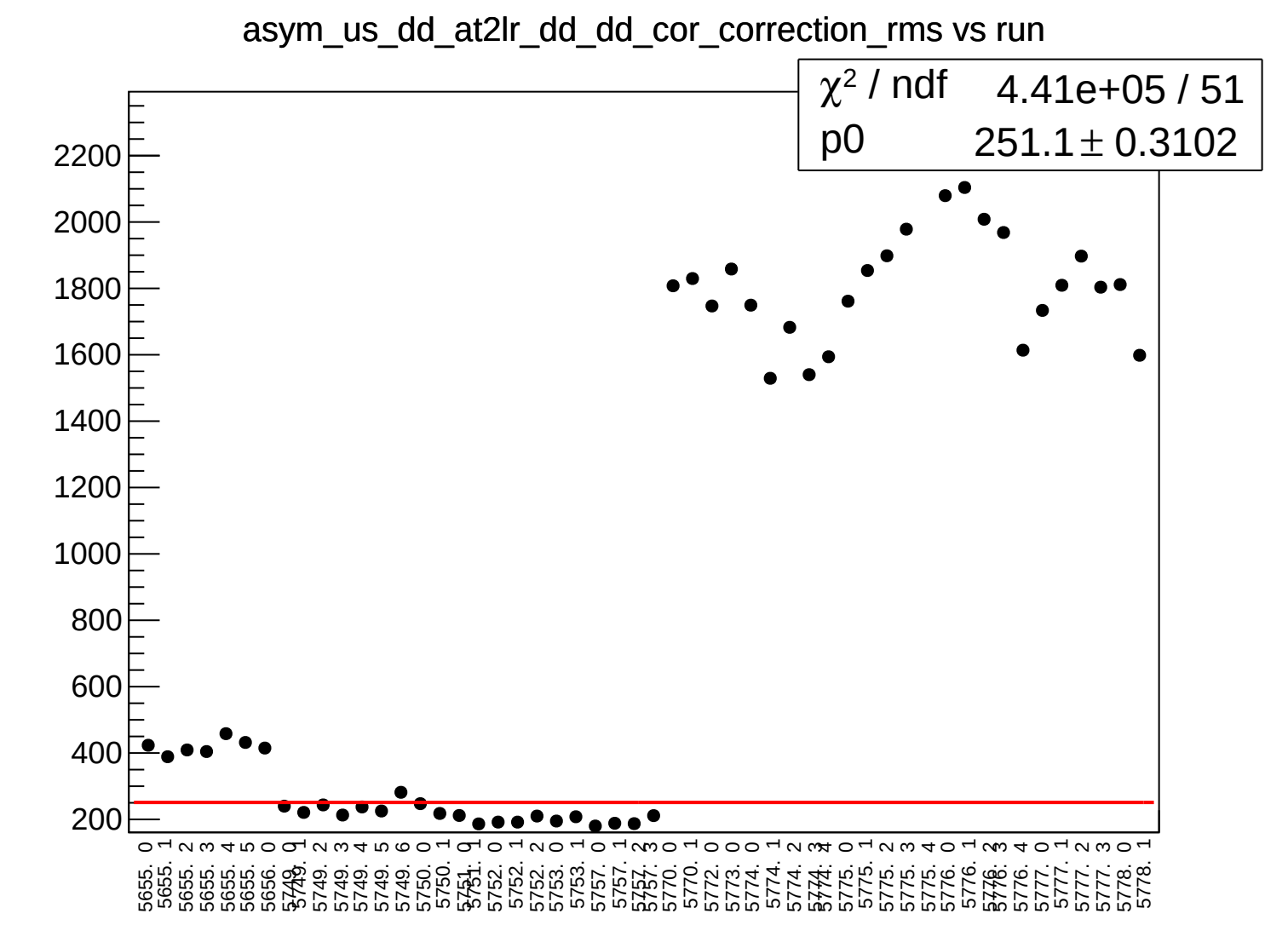
5778. 0
5778. 1


asym_us_dd_at2lr_dd_dd_cor_correction_mean vs run
χ² / ndf 57.67 / 51
p0 51.97 ± 438.7
pull
Entries 52
Mean −20.54
Std Dev 0


pull1D
Entries 52
Mean −0.02756
Std Dev 1.053


asym_us_dd_at2lr_dd_dd_cor_correction_rms vs run
χ² / ndf 4.41e+05 / 51
p0 251.1 ± 0.3102
2200
2000
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400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
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5753. 1
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5757. 2
5757. 3
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5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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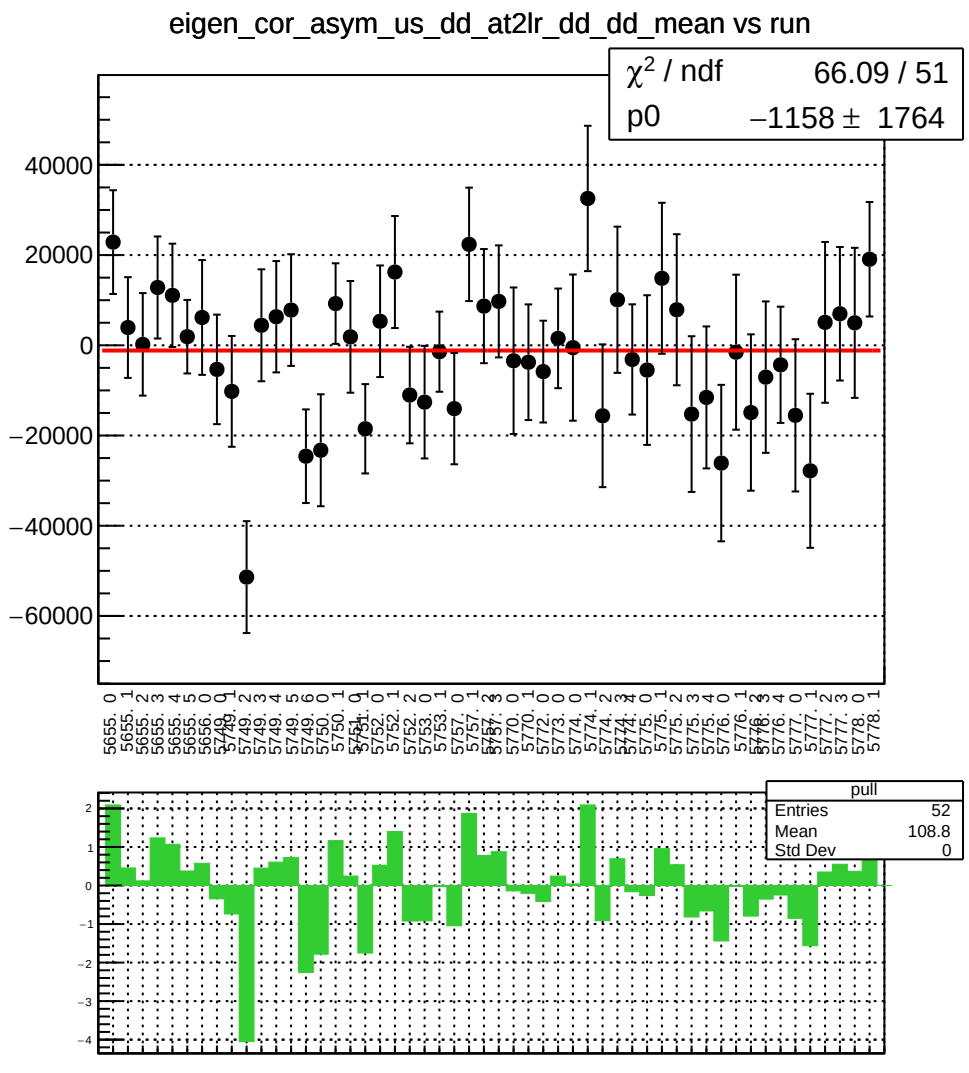
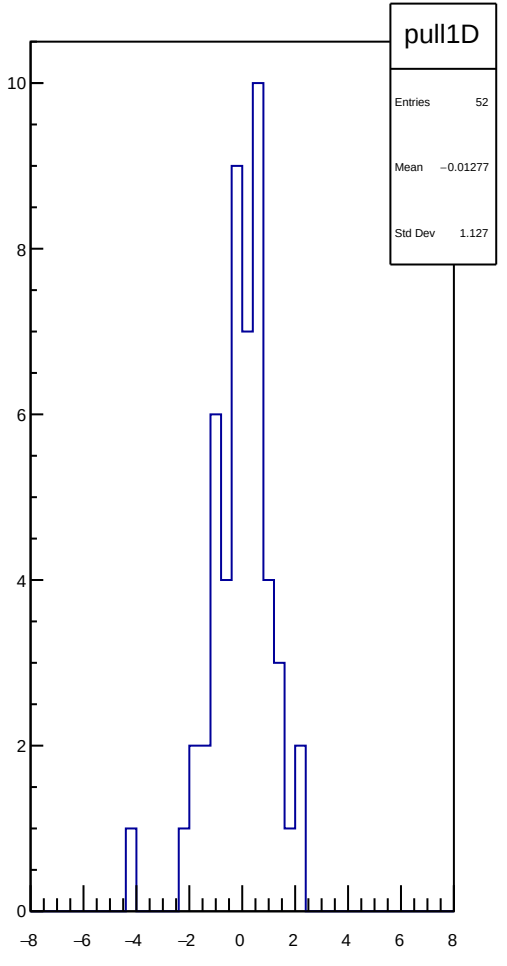
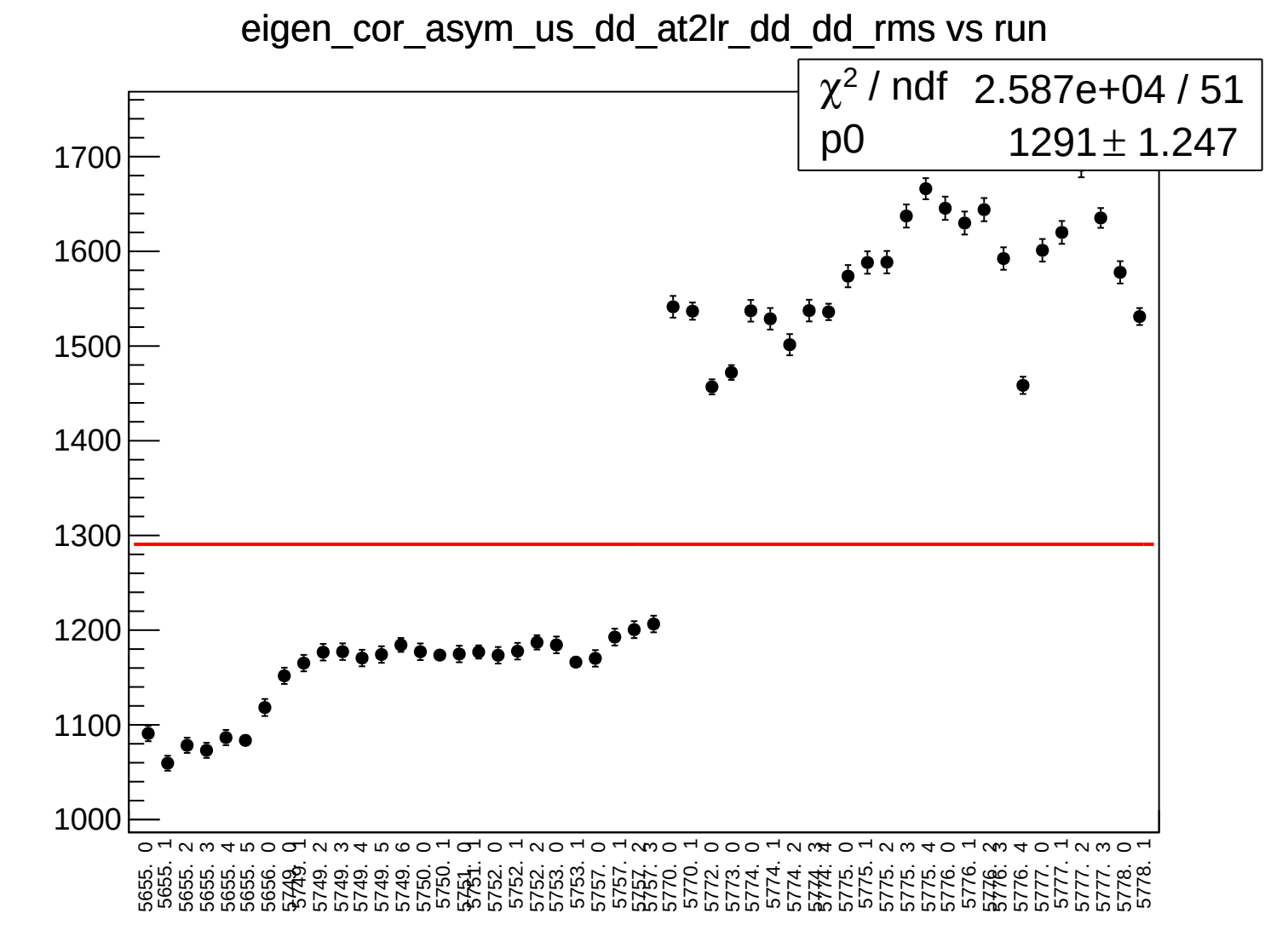
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 66.09 / 51
p0 −1158 ± 1764
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 108.8
Std Dev 0
2
1
0
−1
−2
−3
−4


pull1D
Entries 52
Mean −0.01277
Std Dev 1.127
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 2.587e+04 / 51
p0 1291 ± 1.247
1700
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5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
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5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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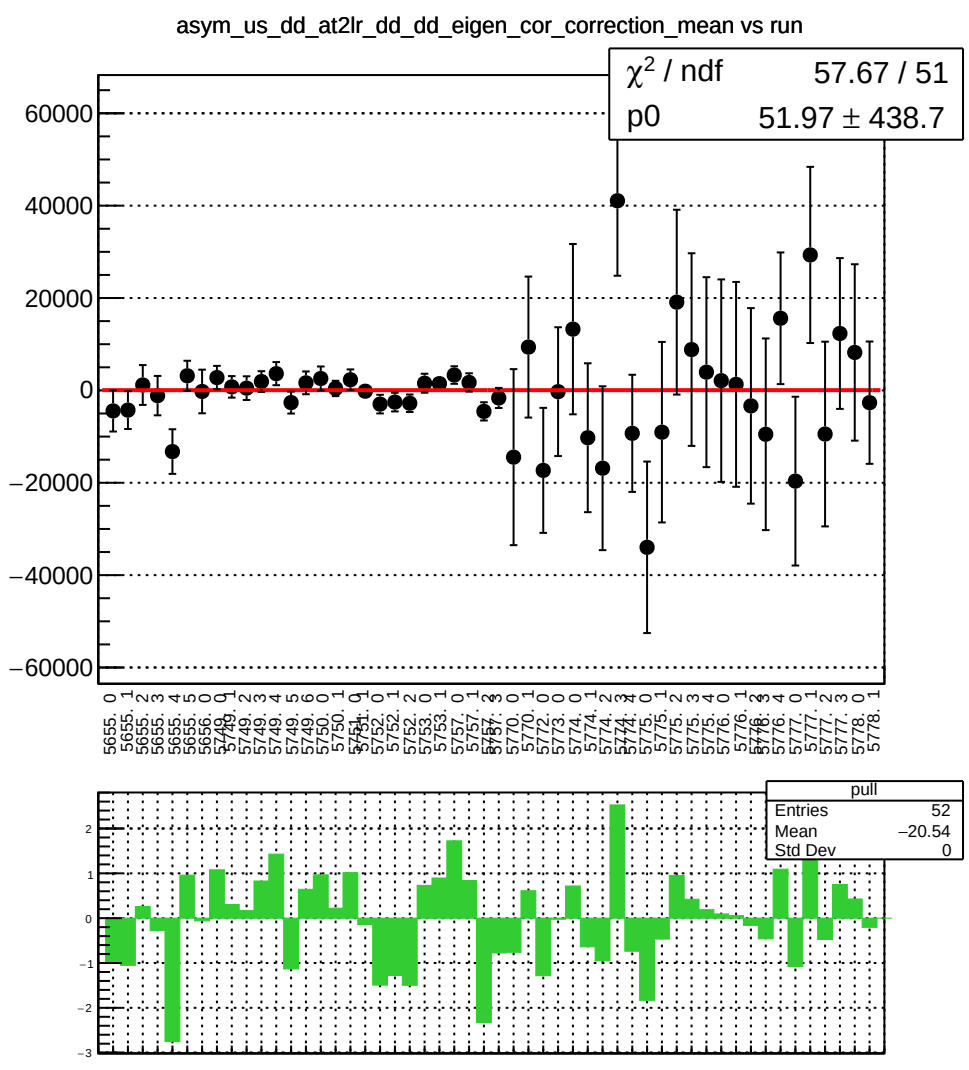
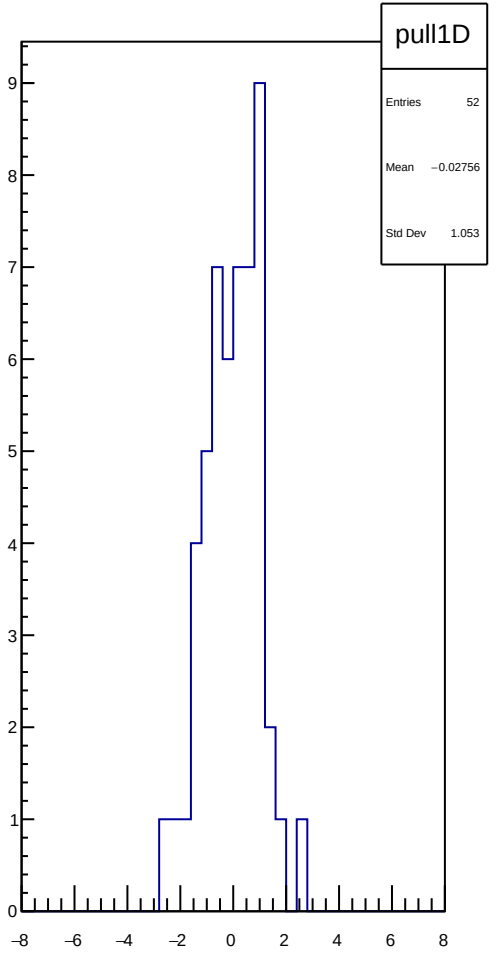

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 57.67 / 51
p0 51.97 ± 438.7
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −20.54
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.02756
Std Dev 1.053
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5
4
3
2
1
0
−8
−6
−4
−2
0
2
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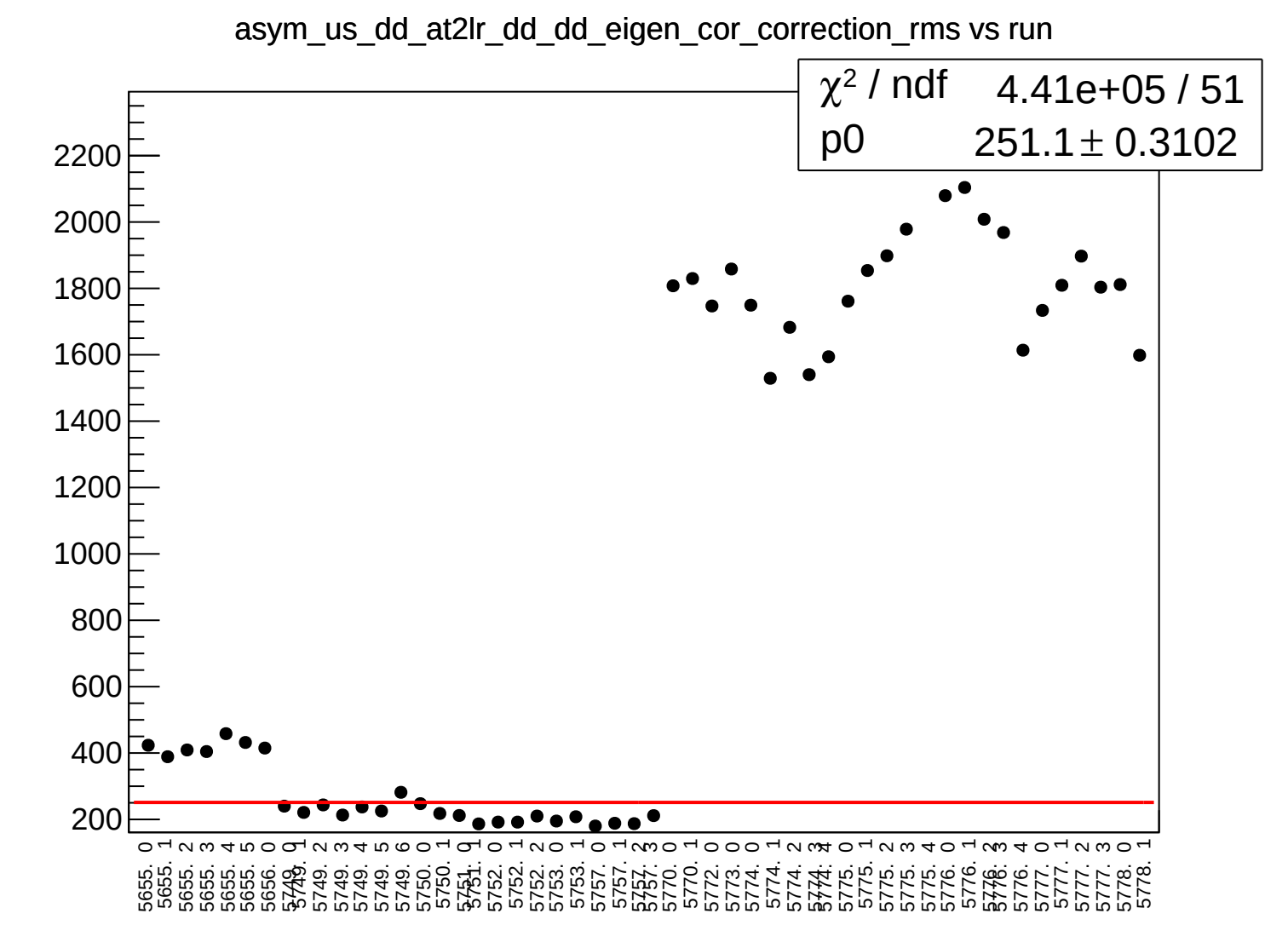
6
8


asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 4.41e+05 / 51
p0 251.1 ± 0.3102
2200
2000
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1600
1400
1200
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800
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5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5749. 3
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5749. 6
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5750. 1
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5752. 2
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5753. 1
5757. 0
5757. 1
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5773. 0
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5774. 4
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5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
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5777. 1
5777. 2
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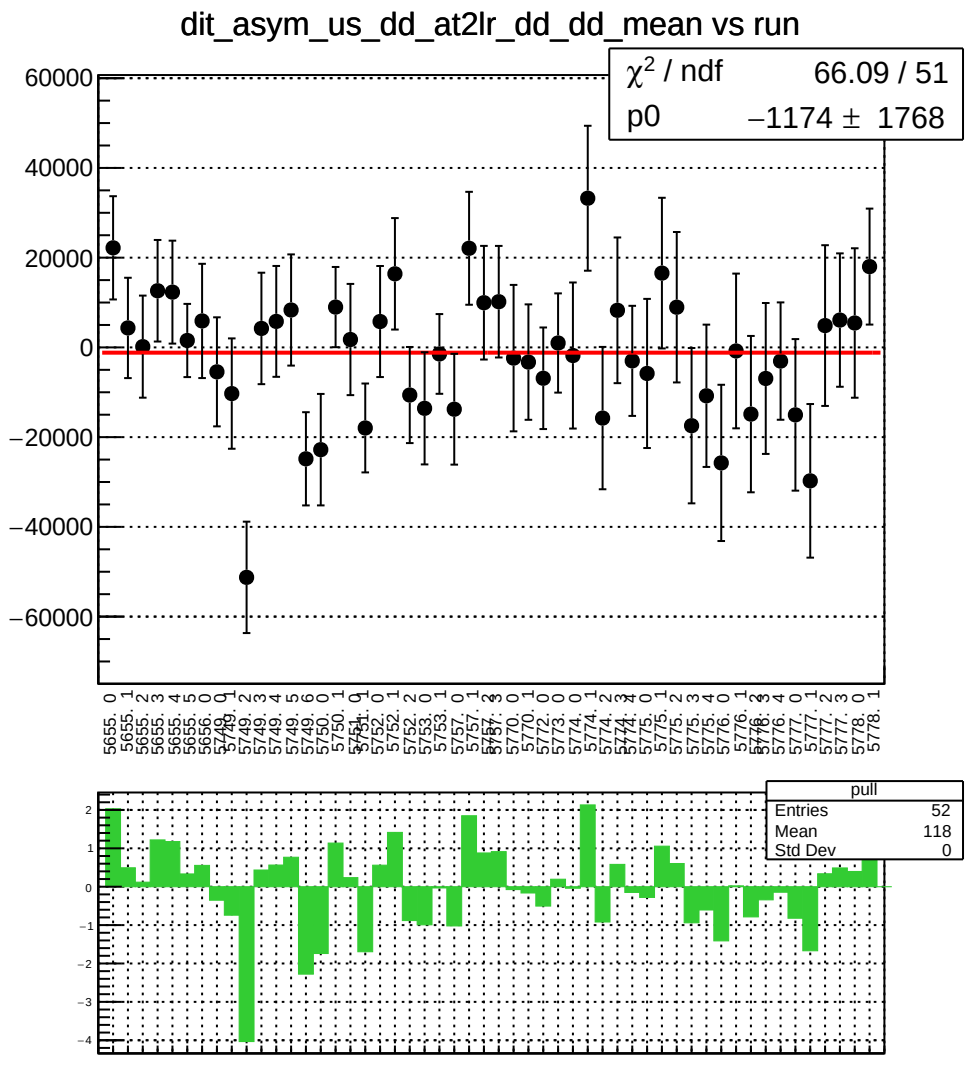
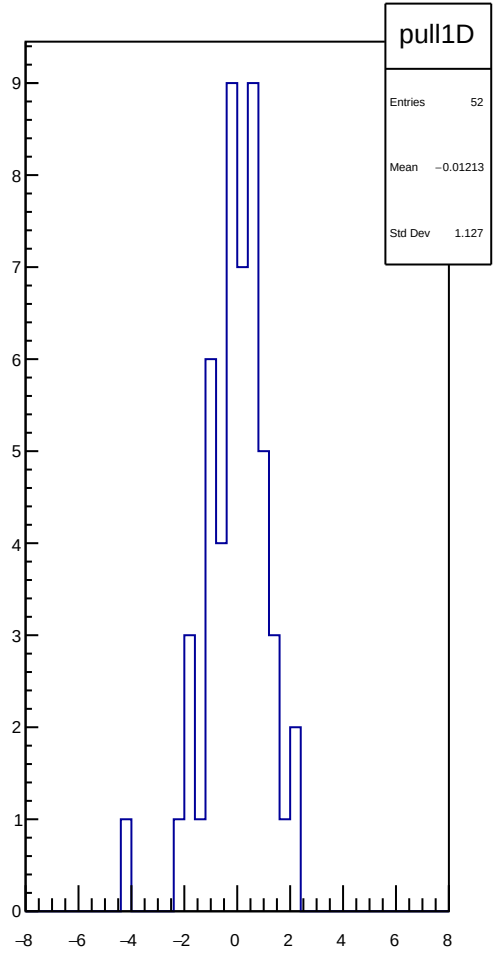
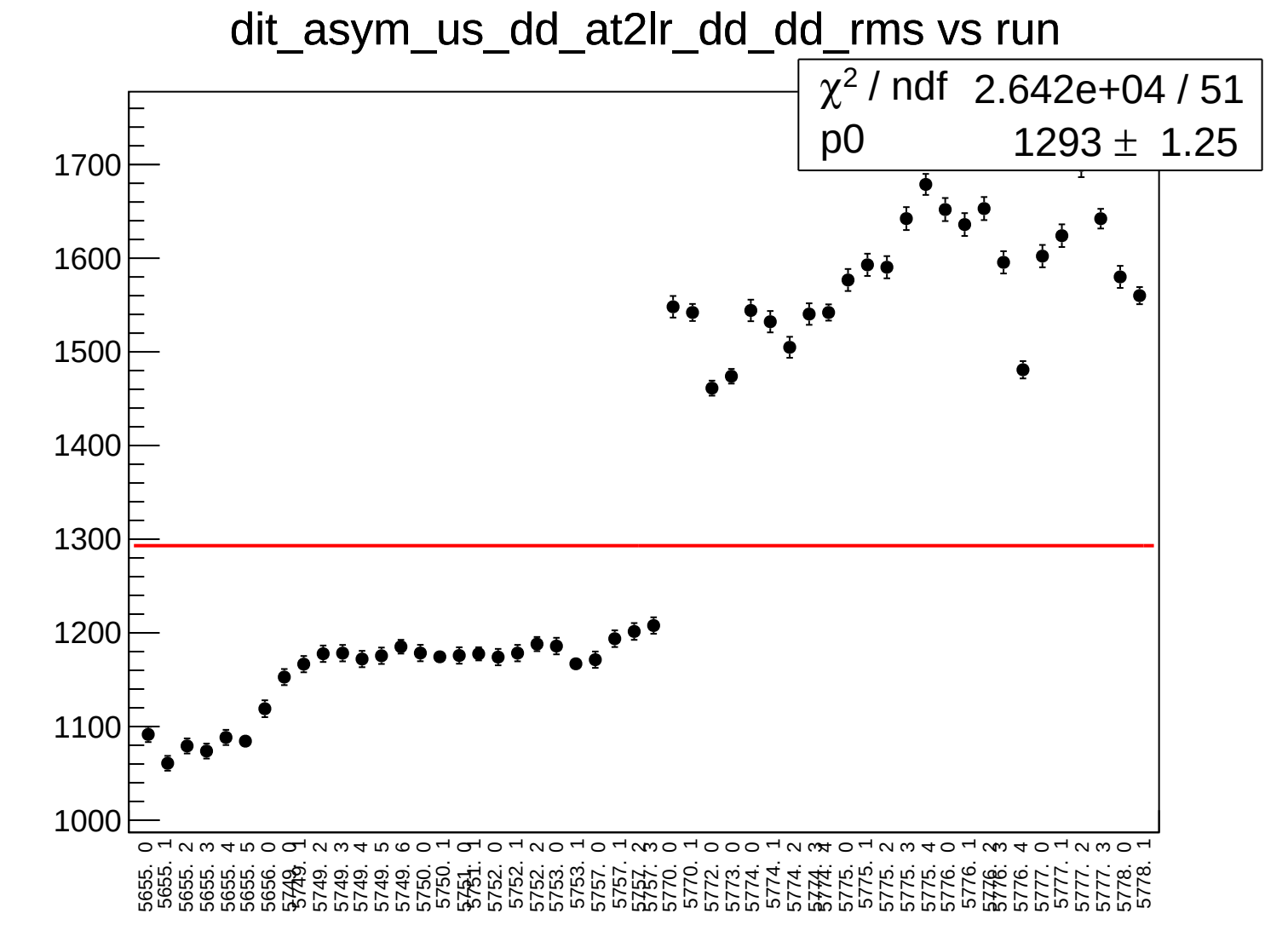
5778. 0
5778. 1


dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 66.09 / 51
p0 −1174 ± 1768
pull
Entries 52
Mean 118
Std Dev 0


pull1D
Entries 52
Mean −0.01213
Std Dev 1.127


dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 2.642e+04 / 51
p0 1293 ± 1.25
1700
1600
1500
1400
1300
1200
1100
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
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5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
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5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
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5775. 3
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5776. 1
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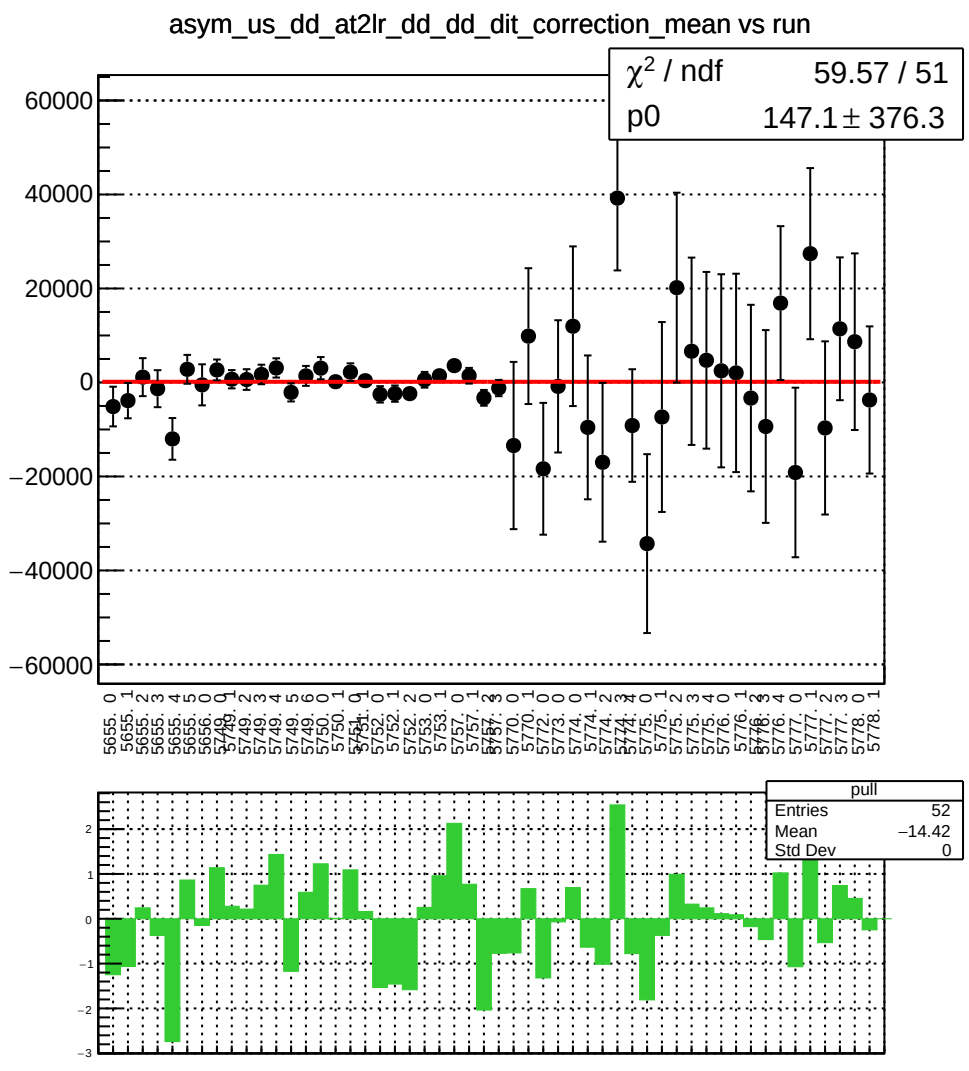
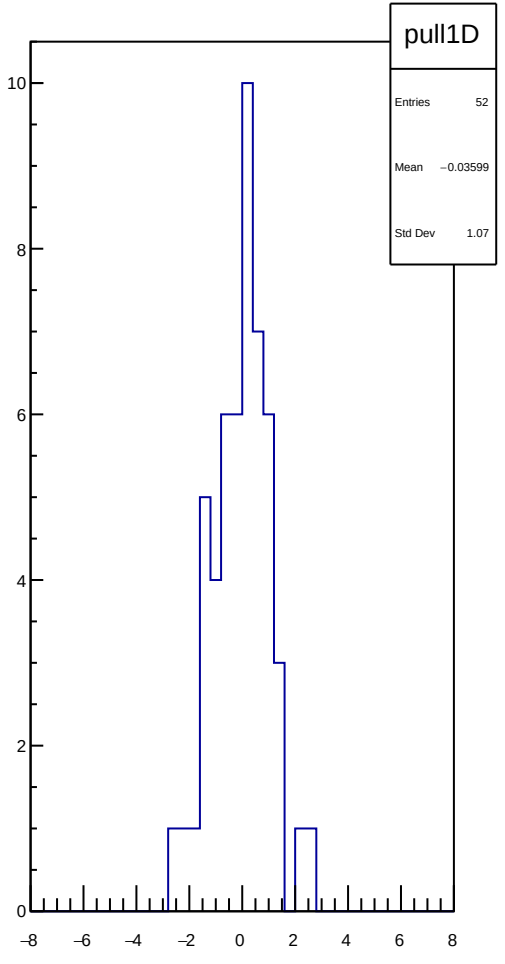
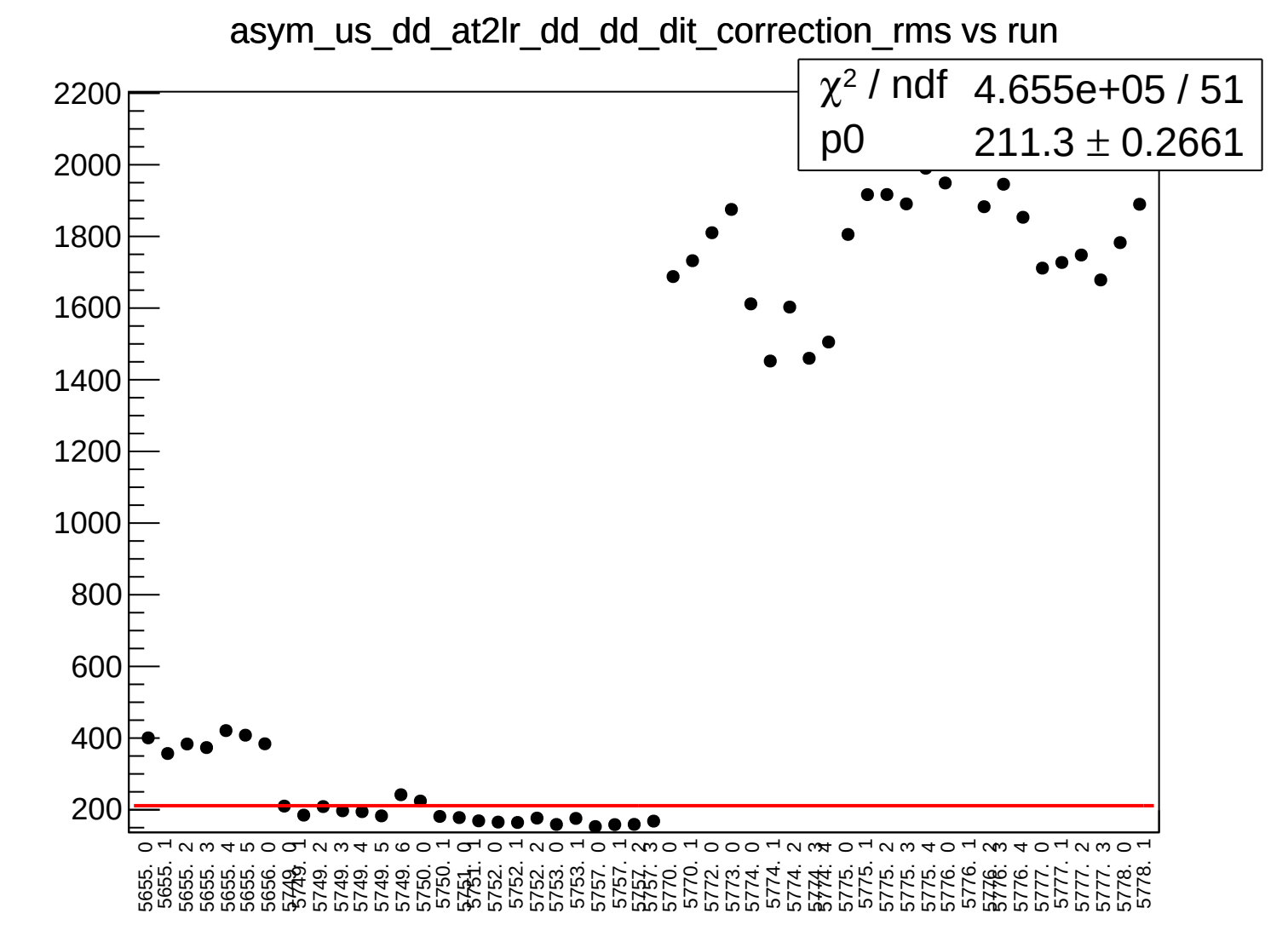
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_dd_at2lr_dd_dd_dit_correction_mean vs run
χ² / ndf 59.57 / 51
p0 147.1 ± 376.3
pull
Entries 52
Mean −14.42
Std Dev 0


pull1D
Entries 52
Mean −0.03599
Std Dev 1.07


asym_us_dd_at2lr_dd_dd_dit_correction_rms vs run
χ² / ndf 4.655e+05 / 51
p0 211.3 ± 0.2661
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5749. 5
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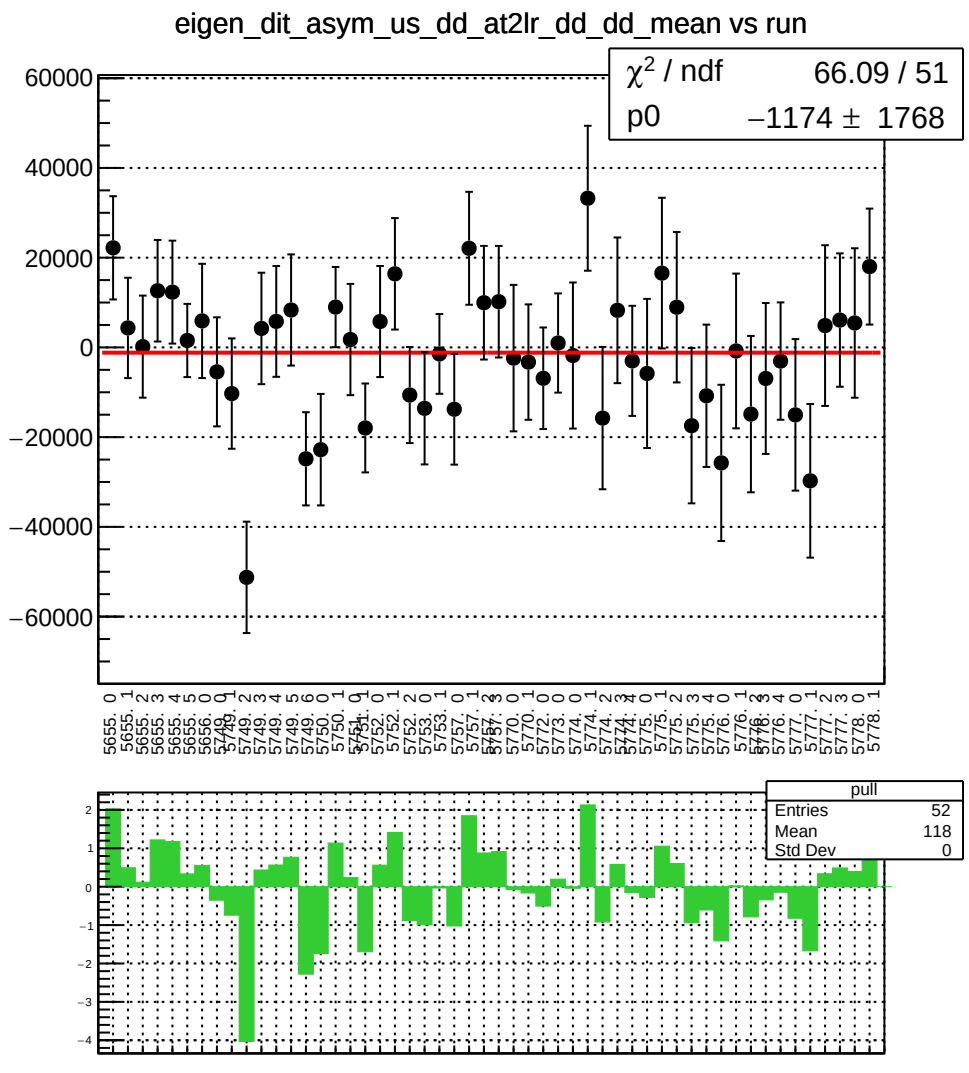
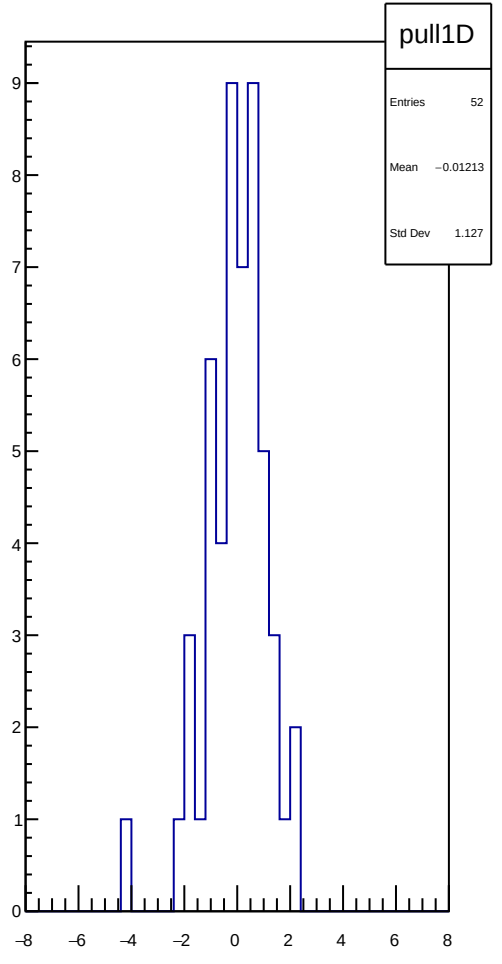

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 66.09 / 51
p0 −1174 ± 1768
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 118
Std Dev 0
2
1
0
−1
−2
−3
−4


pull1D
Entries 52
Mean −0.01213
Std Dev 1.127
9
8
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3
2
1
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−8
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−4
−2
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2
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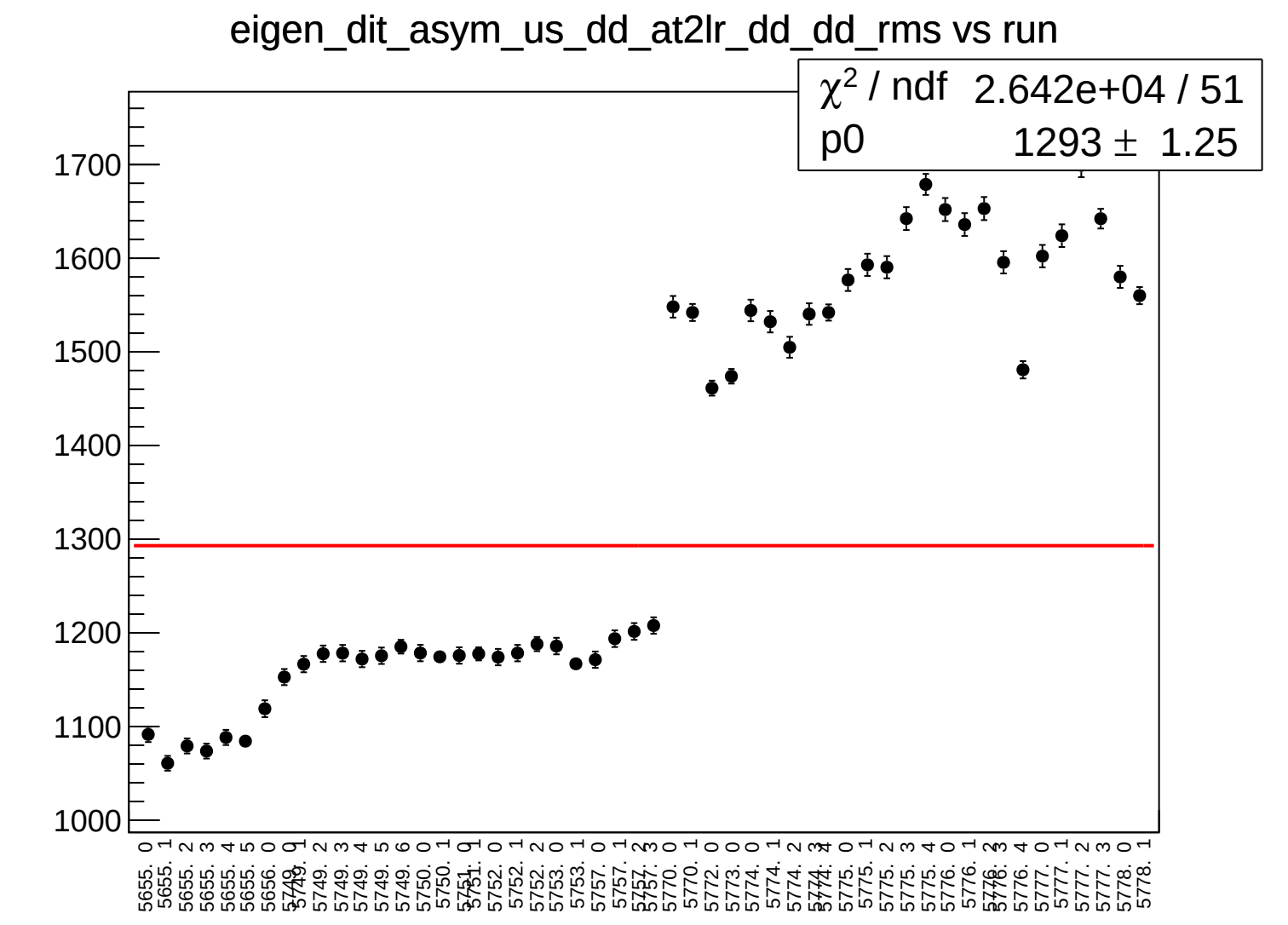
8


eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 2.642e+04 / 51
p0 1293 ± 1.25
1700
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1500
1400
1300
1200
1100
1000
5655. 0
5655. 1
5655. 2
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5655. 4
5655. 5
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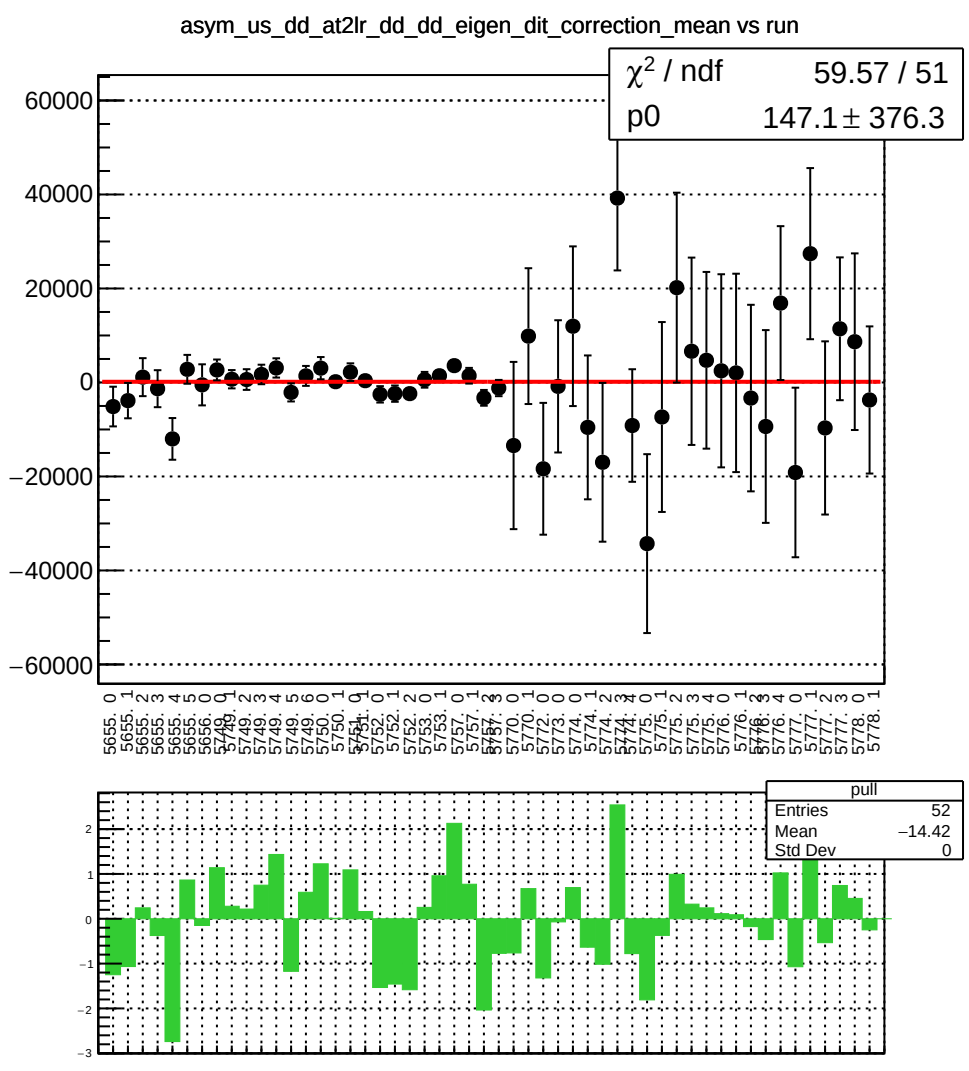
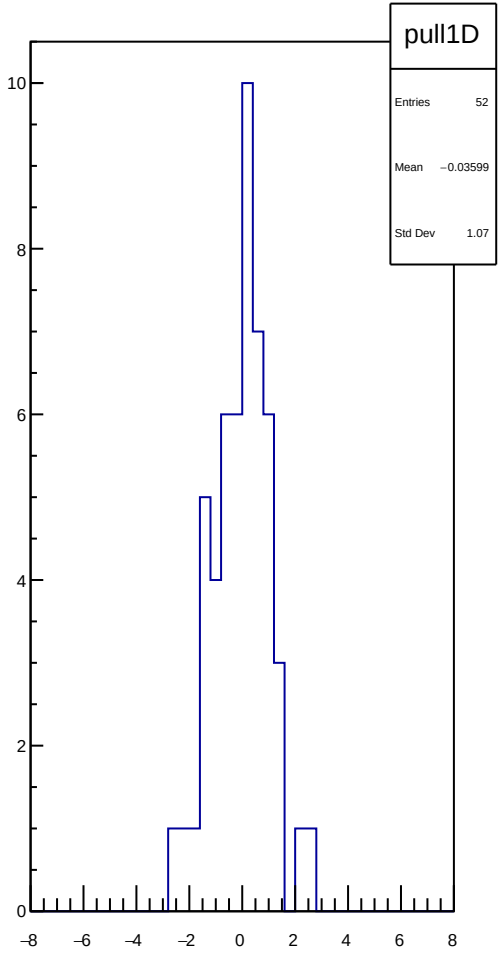
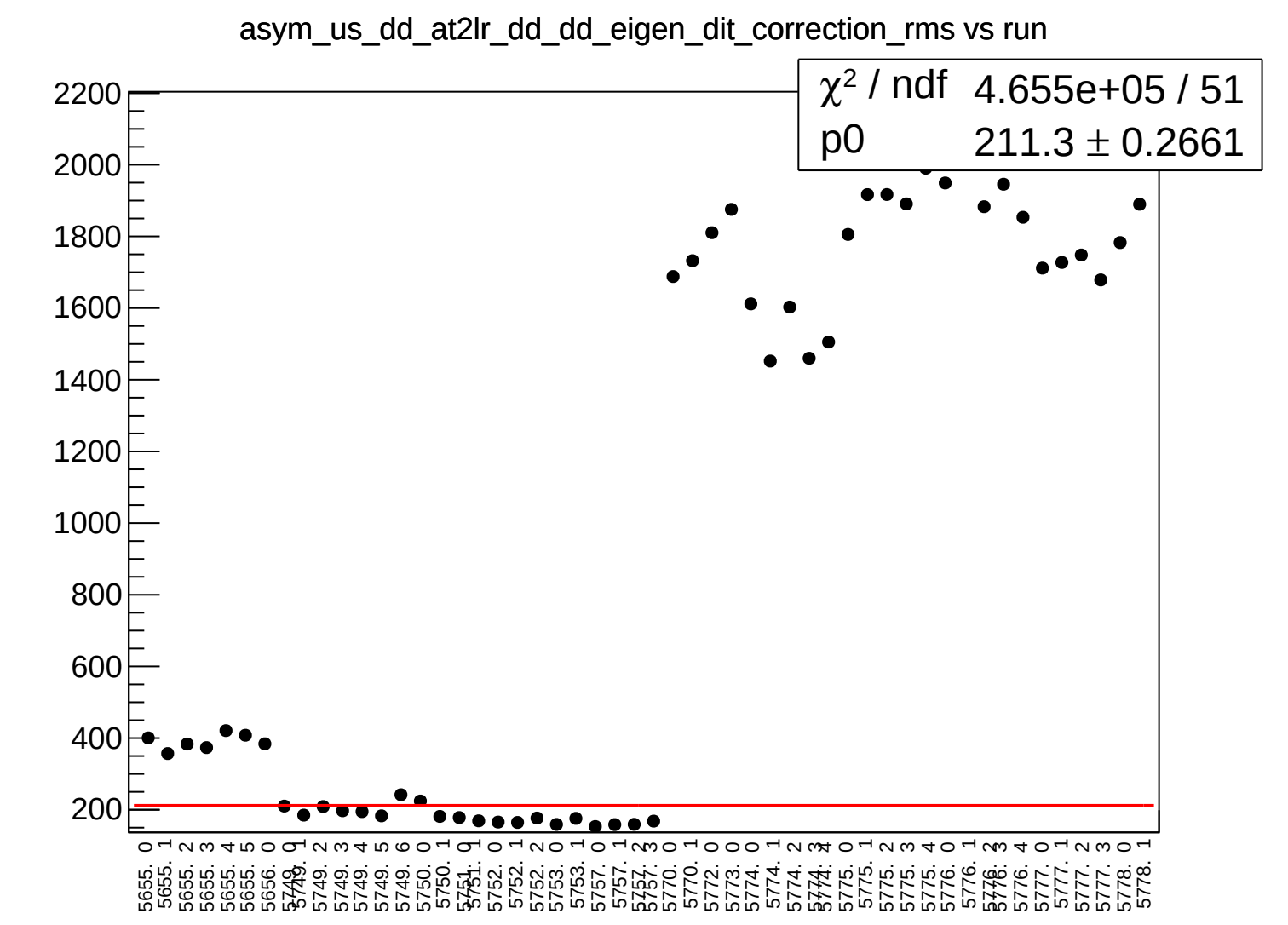

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 59.57 / 51
p0 147.1 ± 376.3
pull
Entries 52
Mean −14.42
Std Dev 0


pull1D
Entries 52
Mean −0.03599
Std Dev 1.07


asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 4.655e+05 / 51
p0 211.3 ± 0.2661
2200
2000
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1400
1200
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800
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5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
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5749. 2
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5749. 4
5749. 5
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
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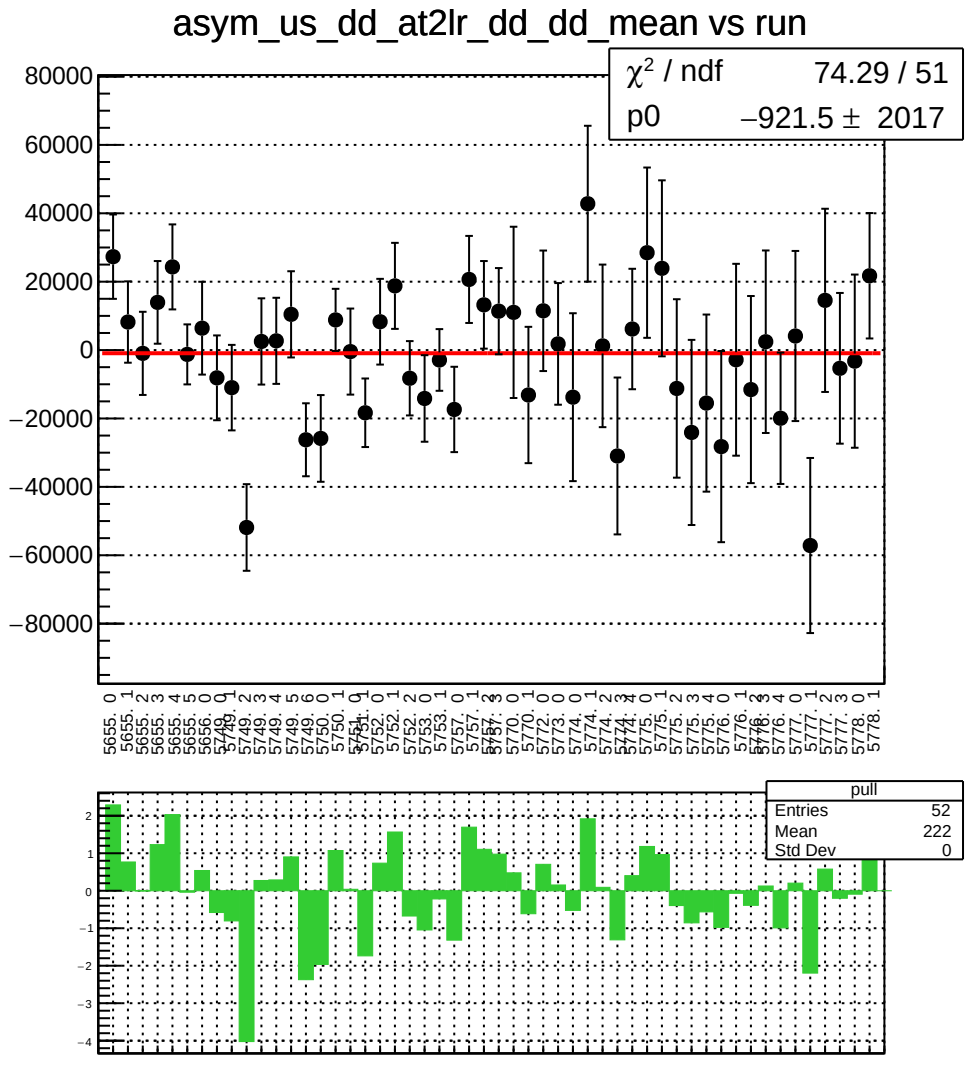
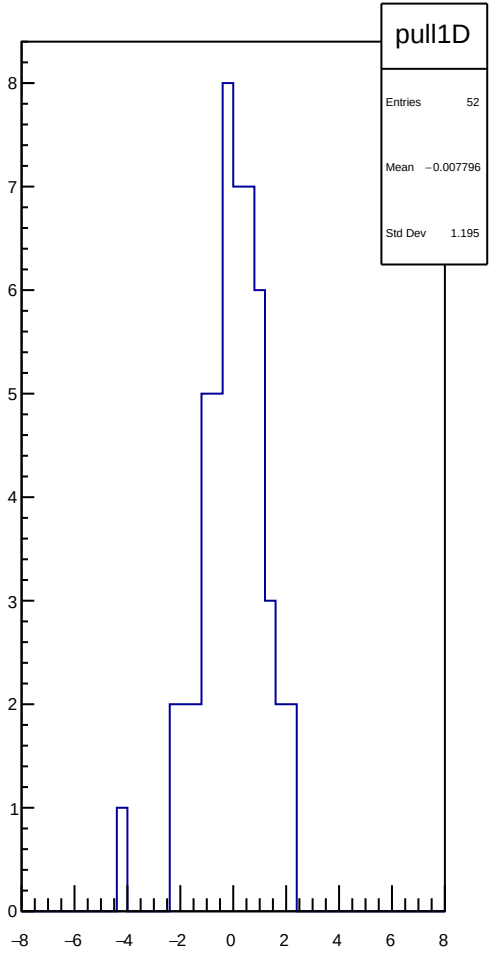
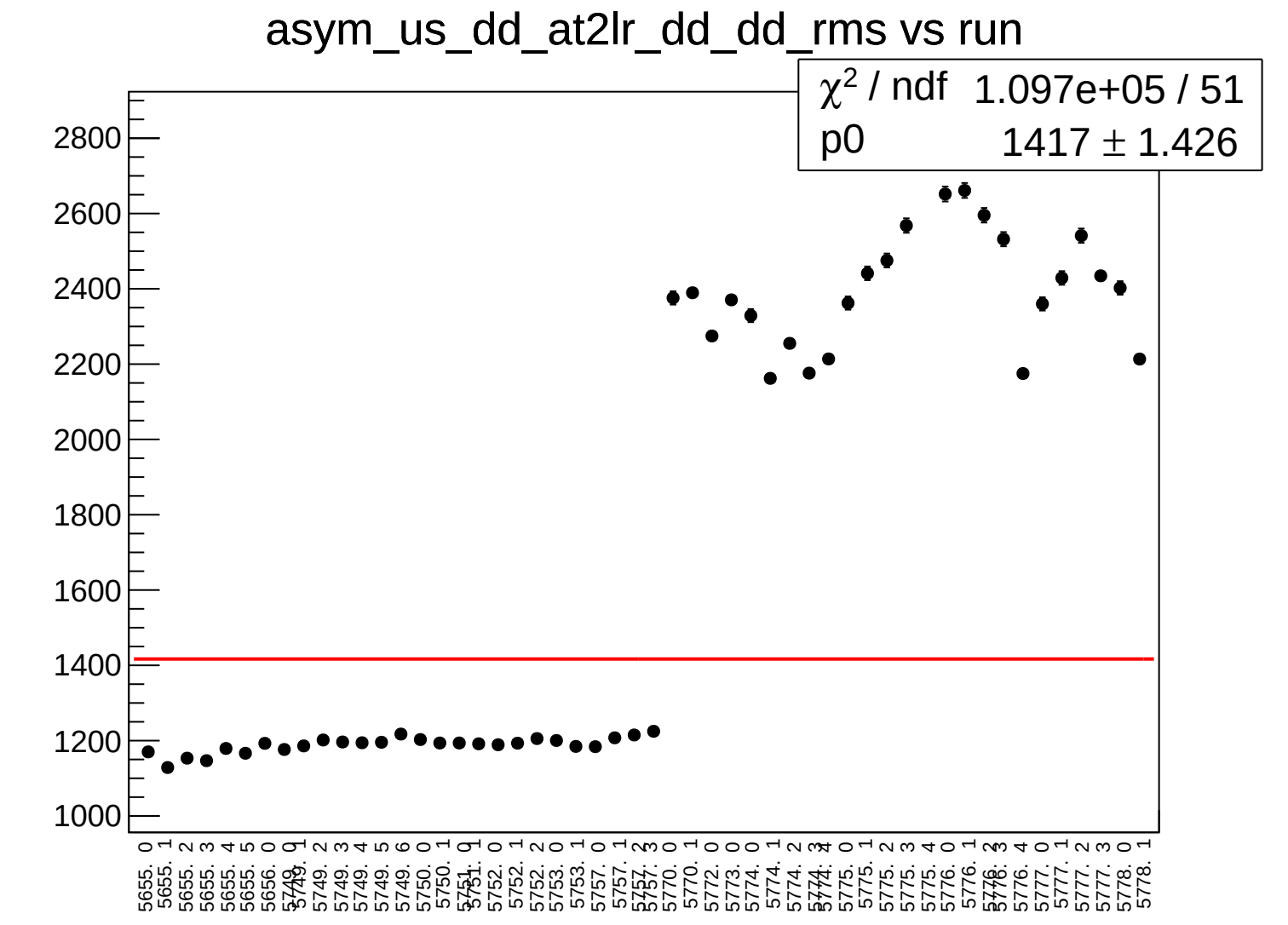
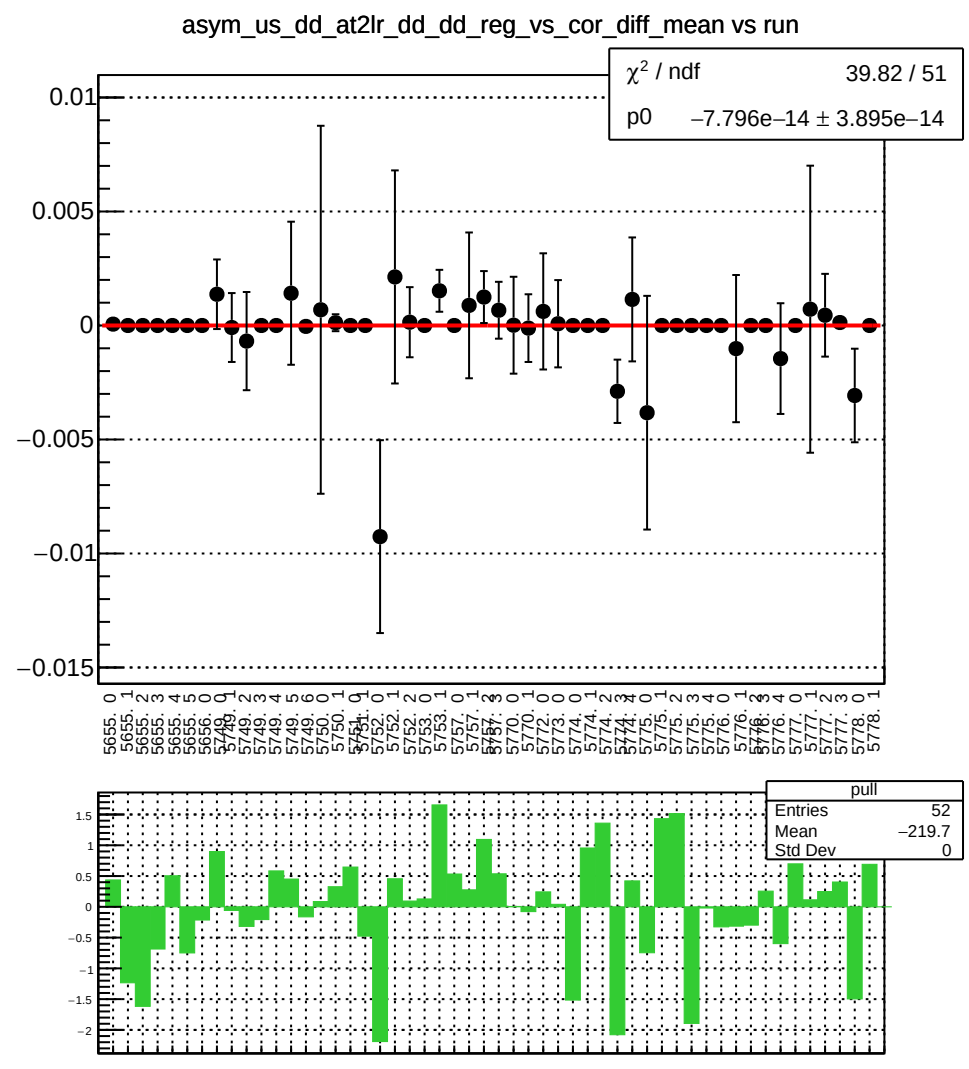
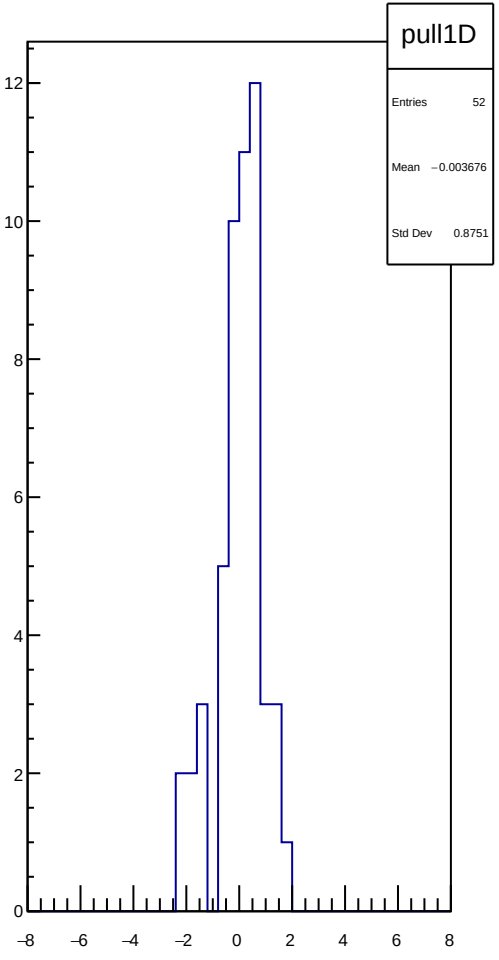
5778. 0
5778. 1

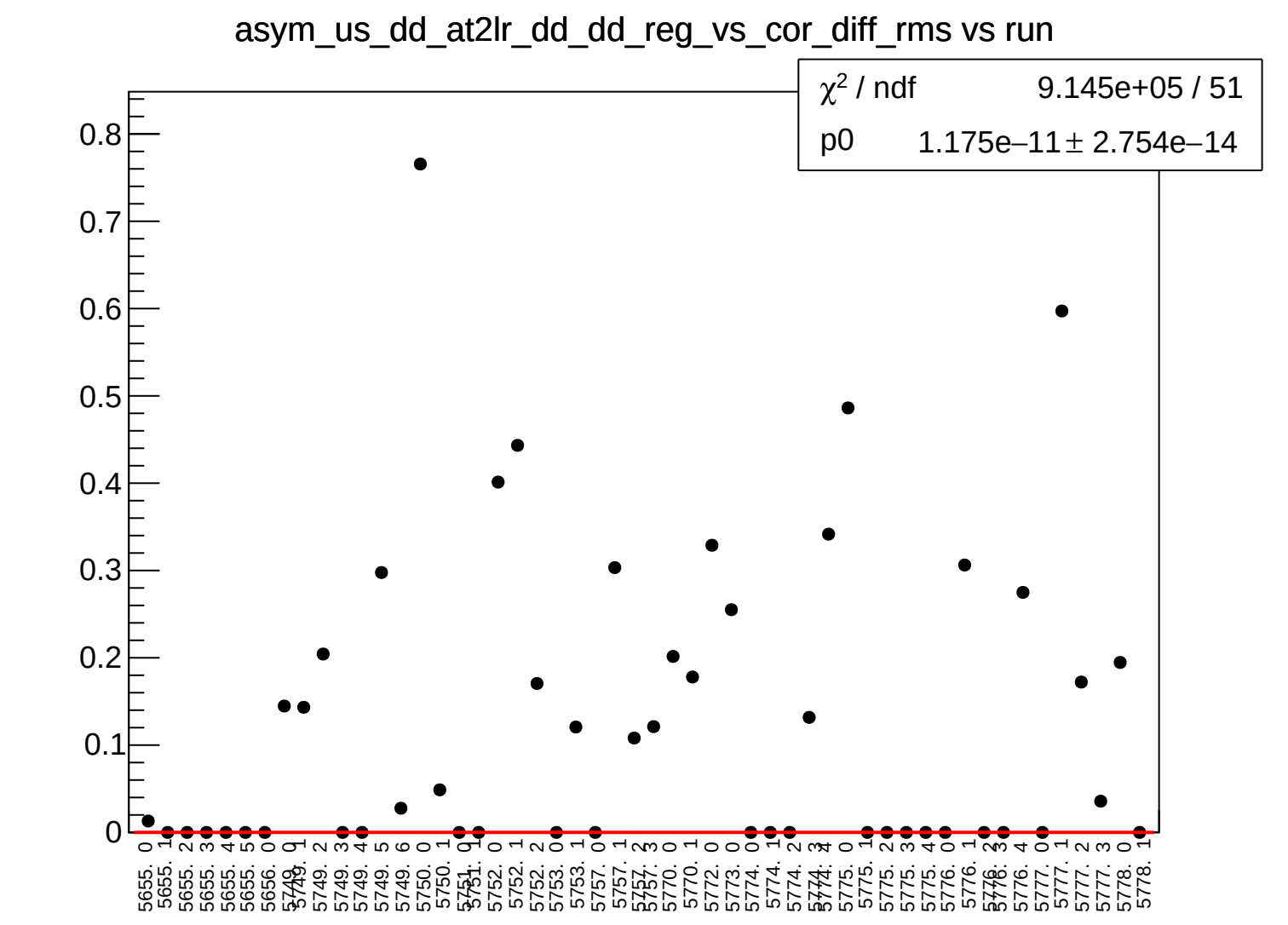

asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 74.29 / 51
p0 −921.5 ± 2017
pull
Entries 52
Mean 222
Std Dev 0

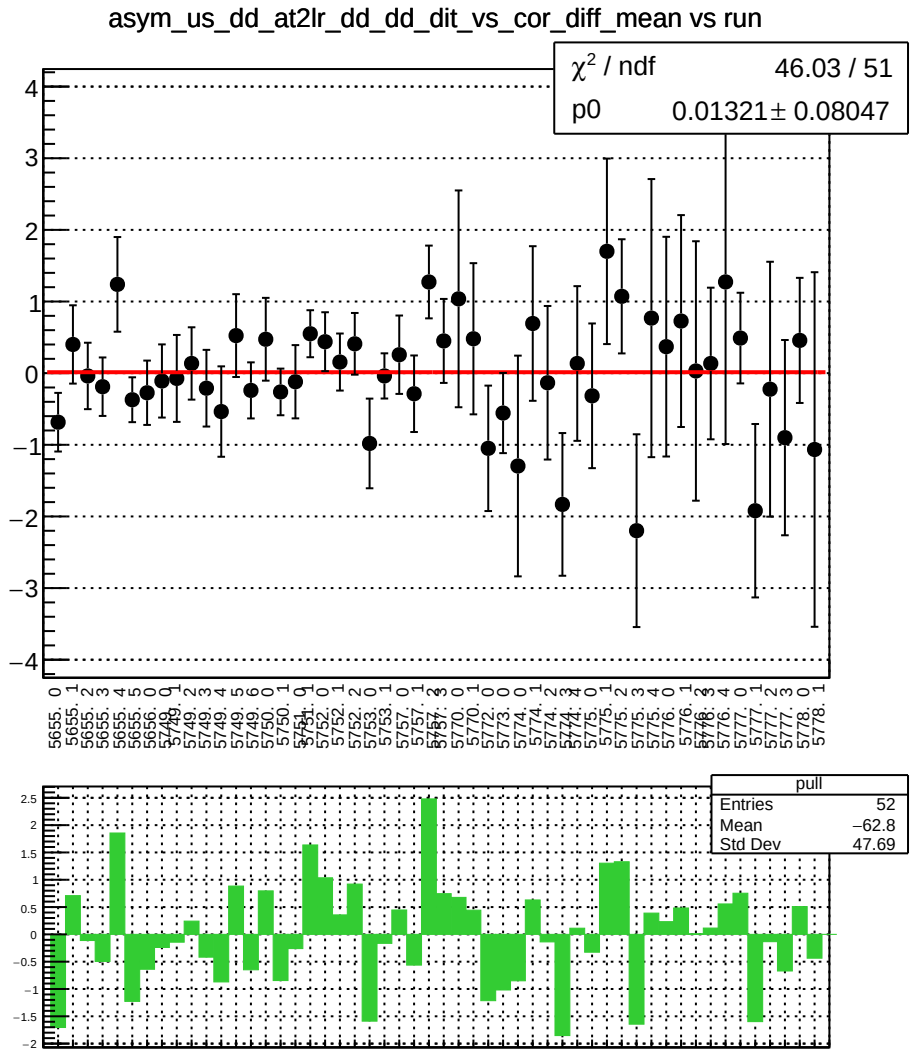

pull1D
Entries 52
Mean −0.007796
Std Dev 1.195

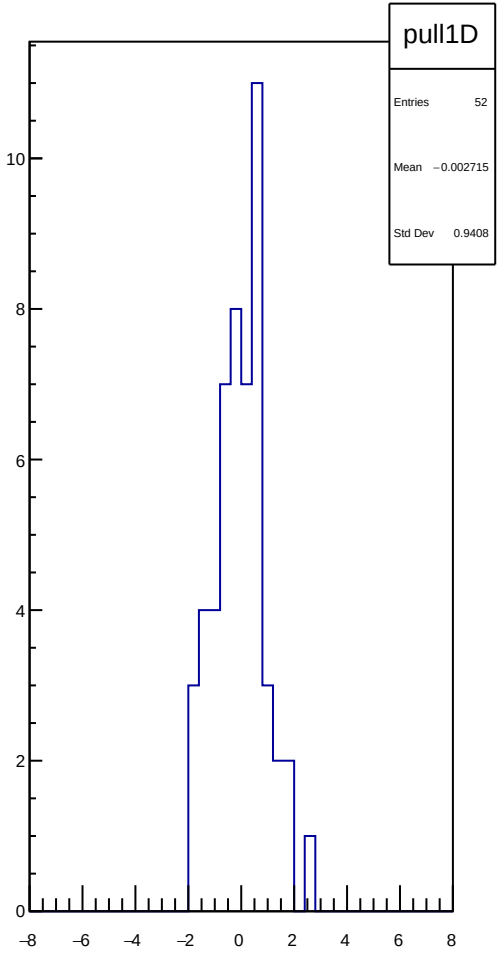

asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 1.097e+05 / 51
p0 1417 ± 1.426
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

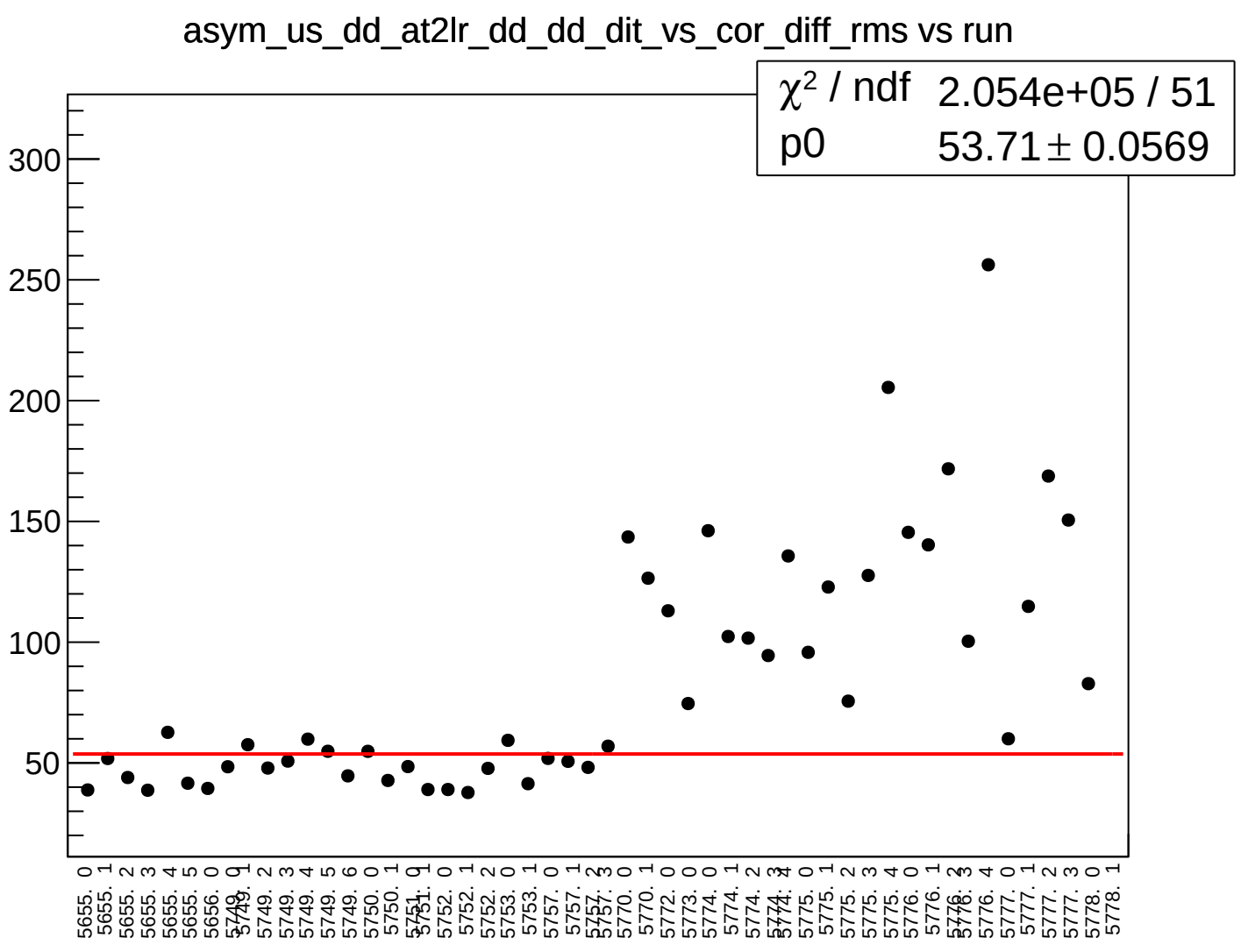

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 39.82 / 51
p0 −7.796e−14 ± 3.895e−14
pull
Entries 52
Mean −219.7
Std Dev 0

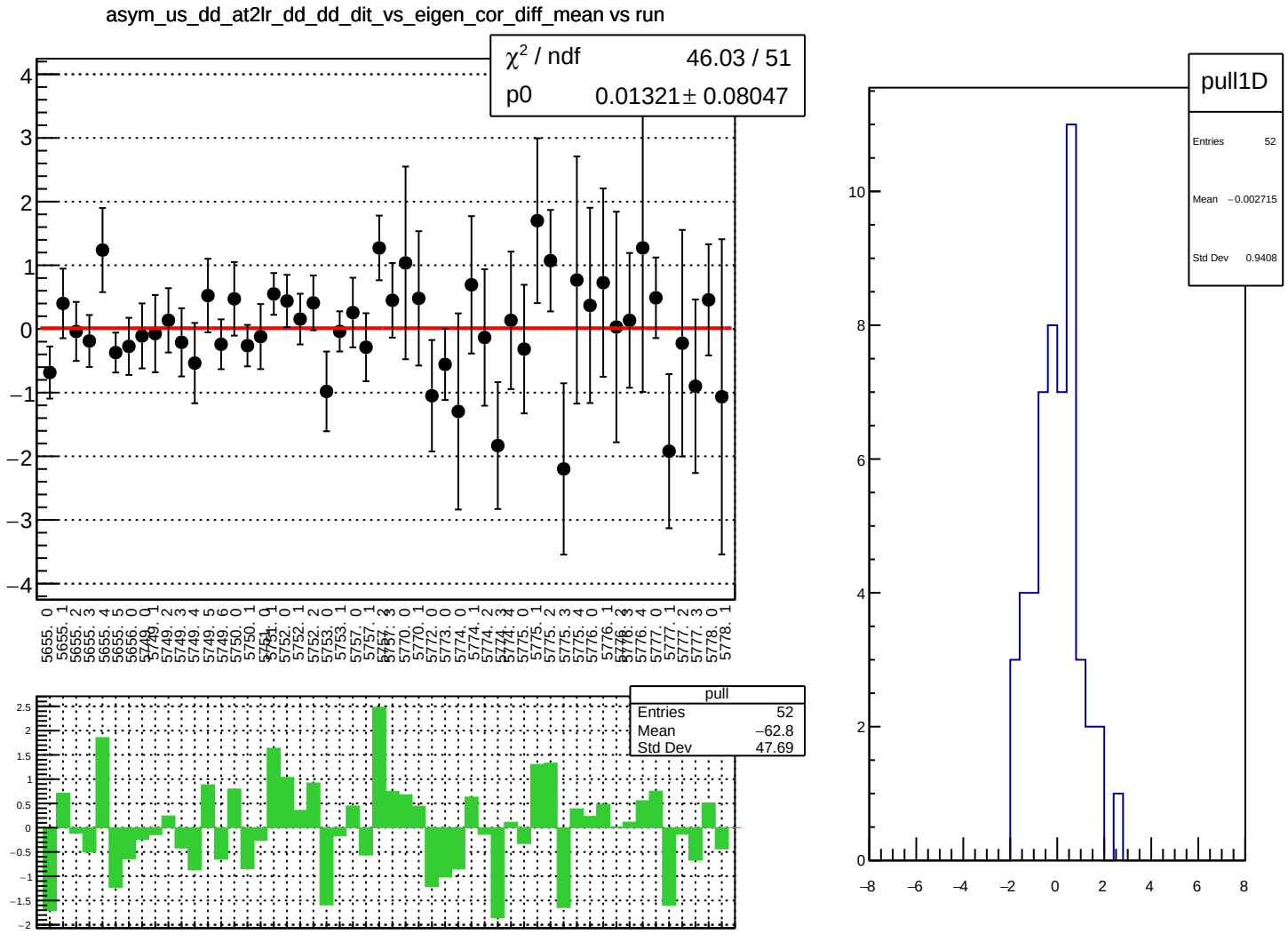

pull1D
Entries 52
Mean −0.003676
Std Dev 0.8751

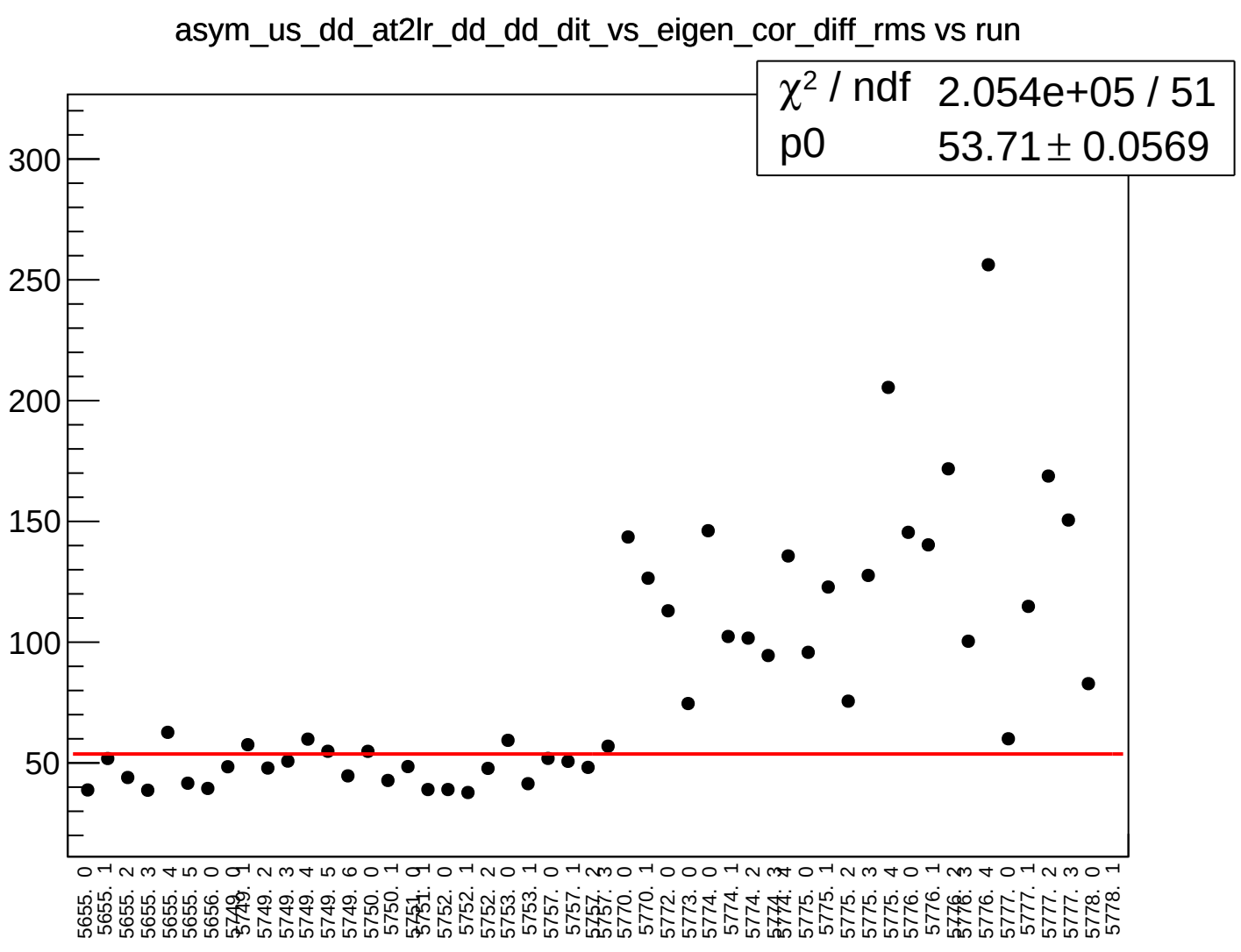

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.145e+05 / 51
p0 1.175e−11 ± 2.754e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

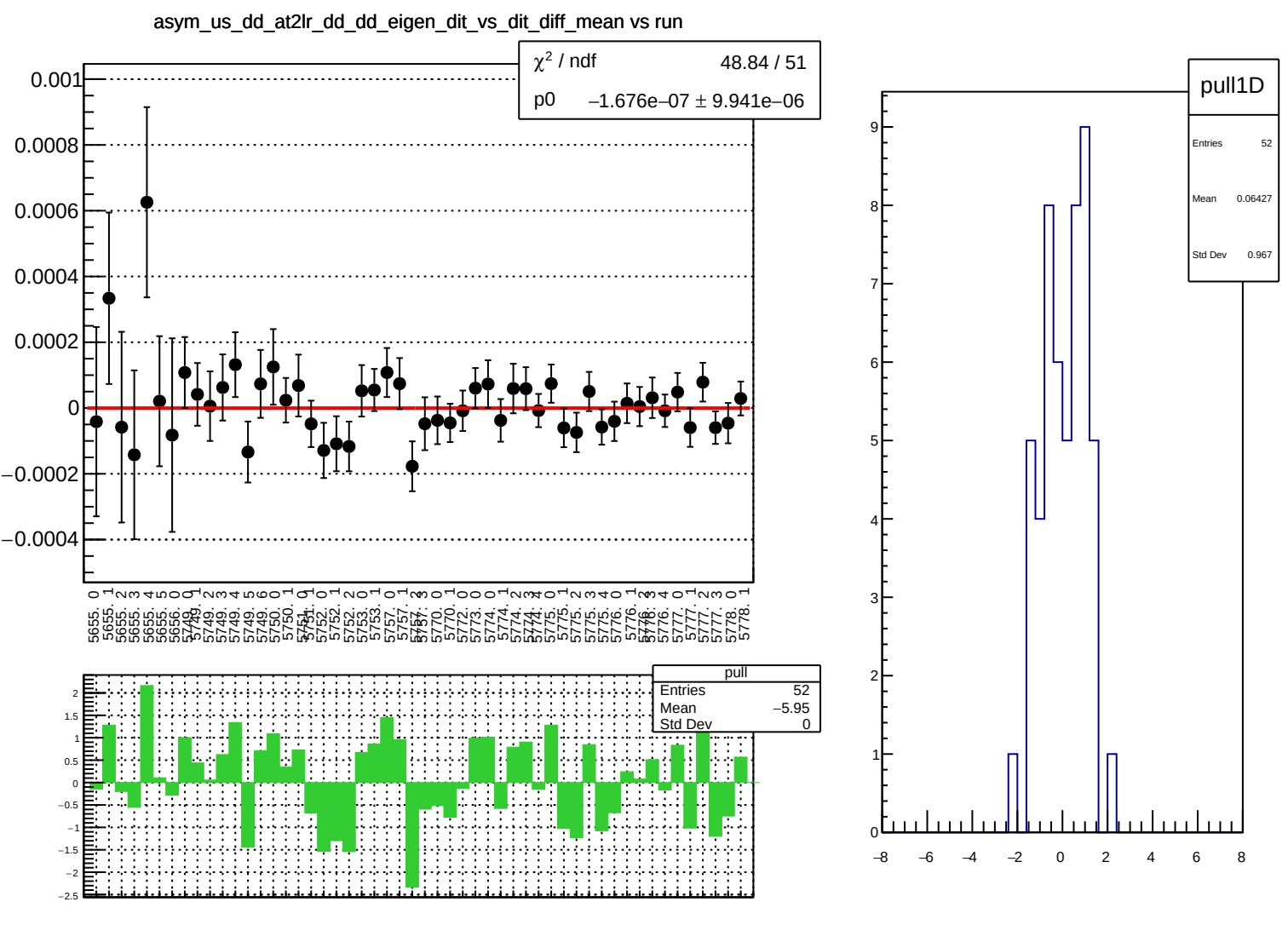

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 46.03 / 51
p0 0.01321 ± 0.08047
pull
Entries 52
Mean −62.8
Std Dev 47.69

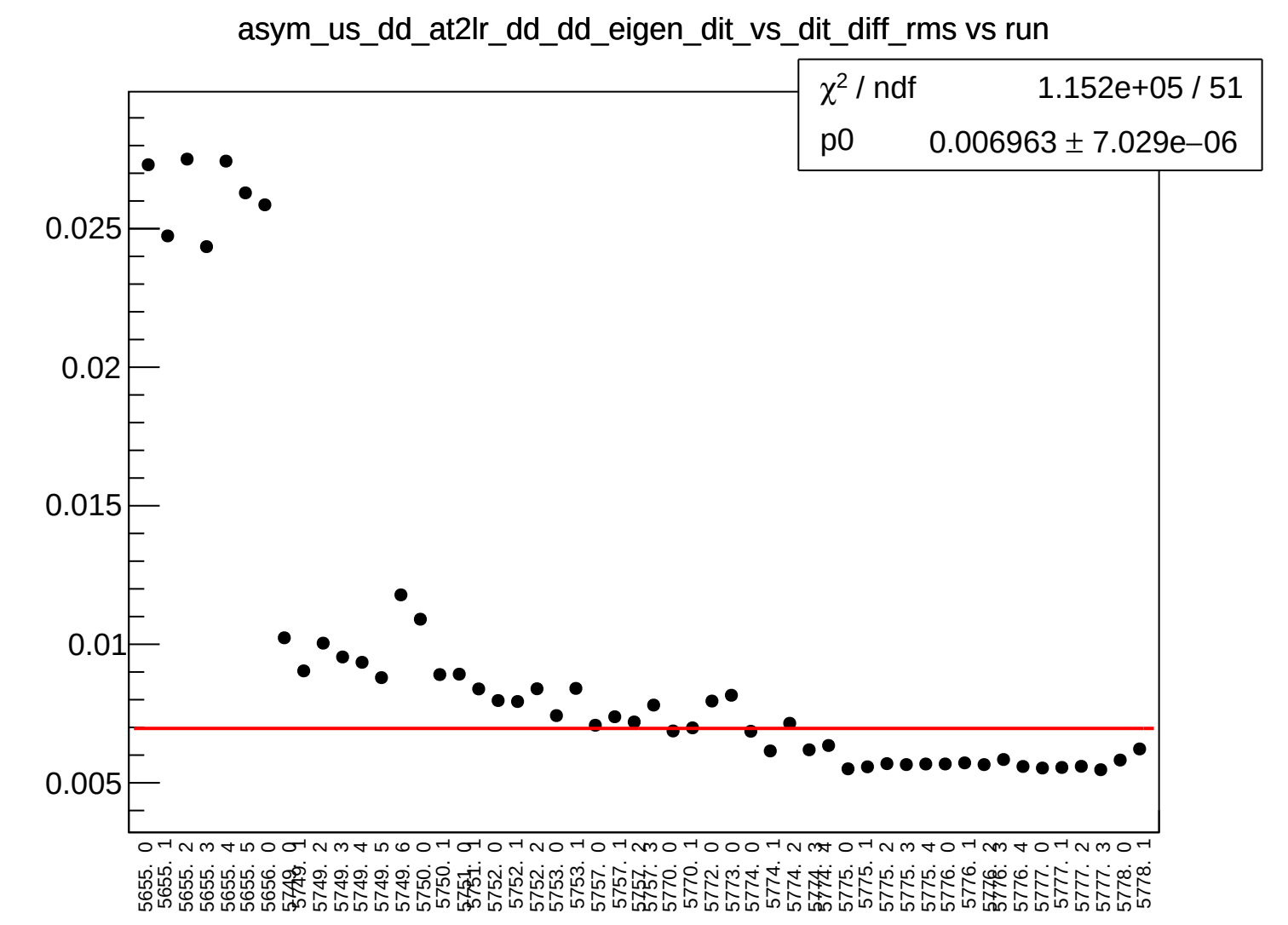

pull1D
Entries 52
Mean −0.002715
Std Dev 0.9408

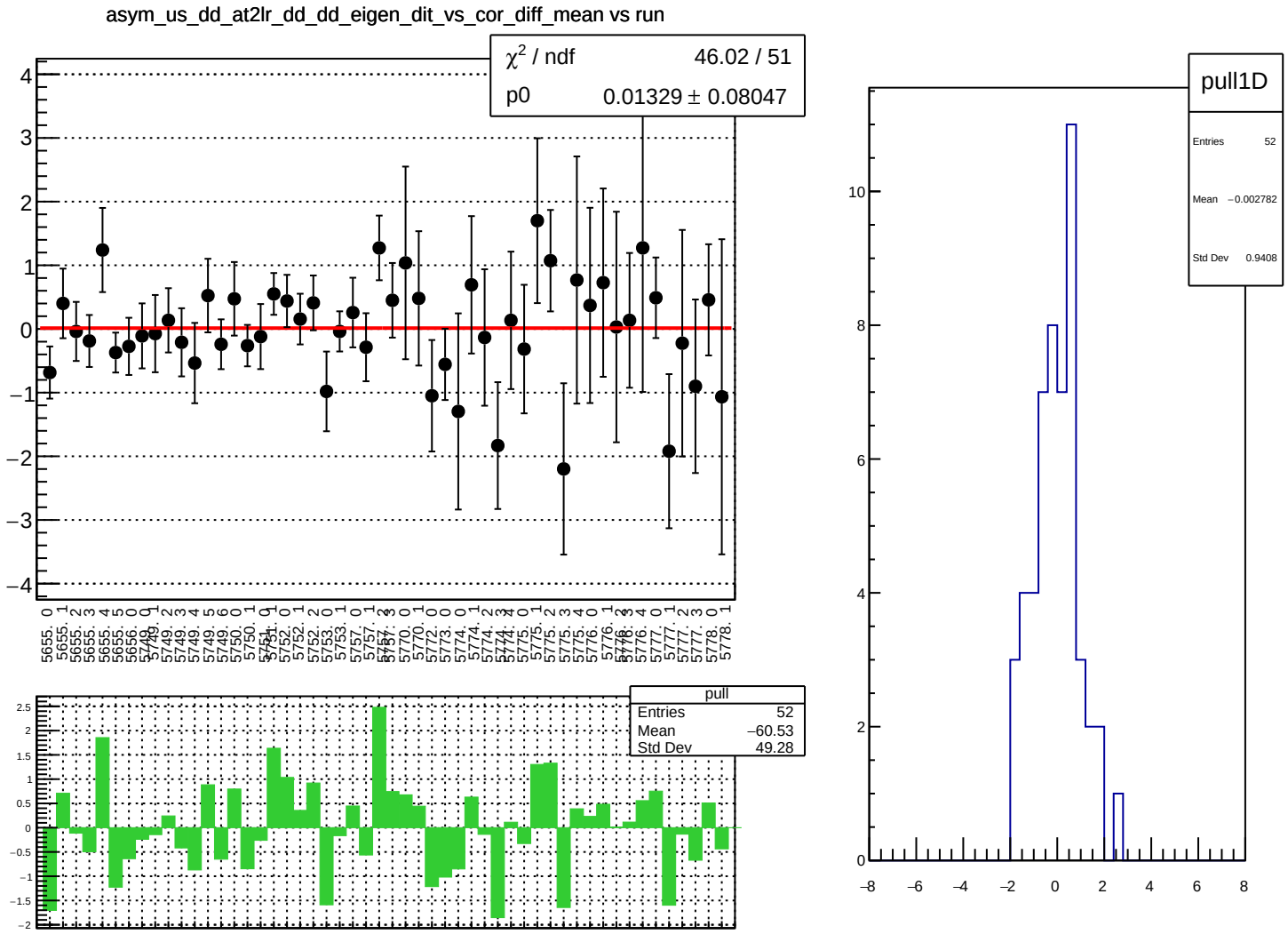

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.054e+05 / 51
p0 53.71 ± 0.0569
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

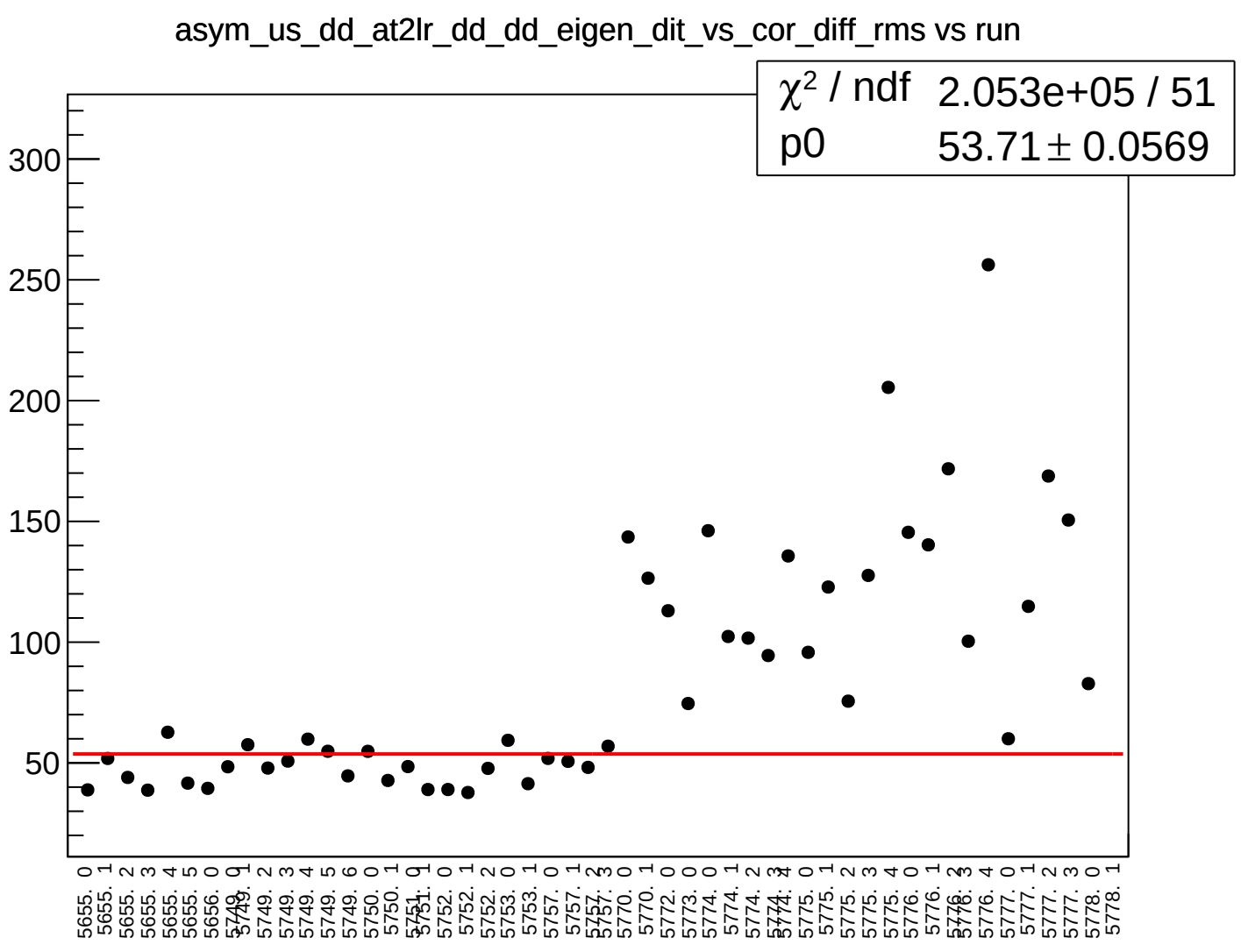

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.03 / 51
p0 0.01321 ± 0.08047
pull
Entries 52
Mean −62.8
Std Dev 47.69
pull1D
Entries 52
Mean −0.002715
Std Dev 0.9408

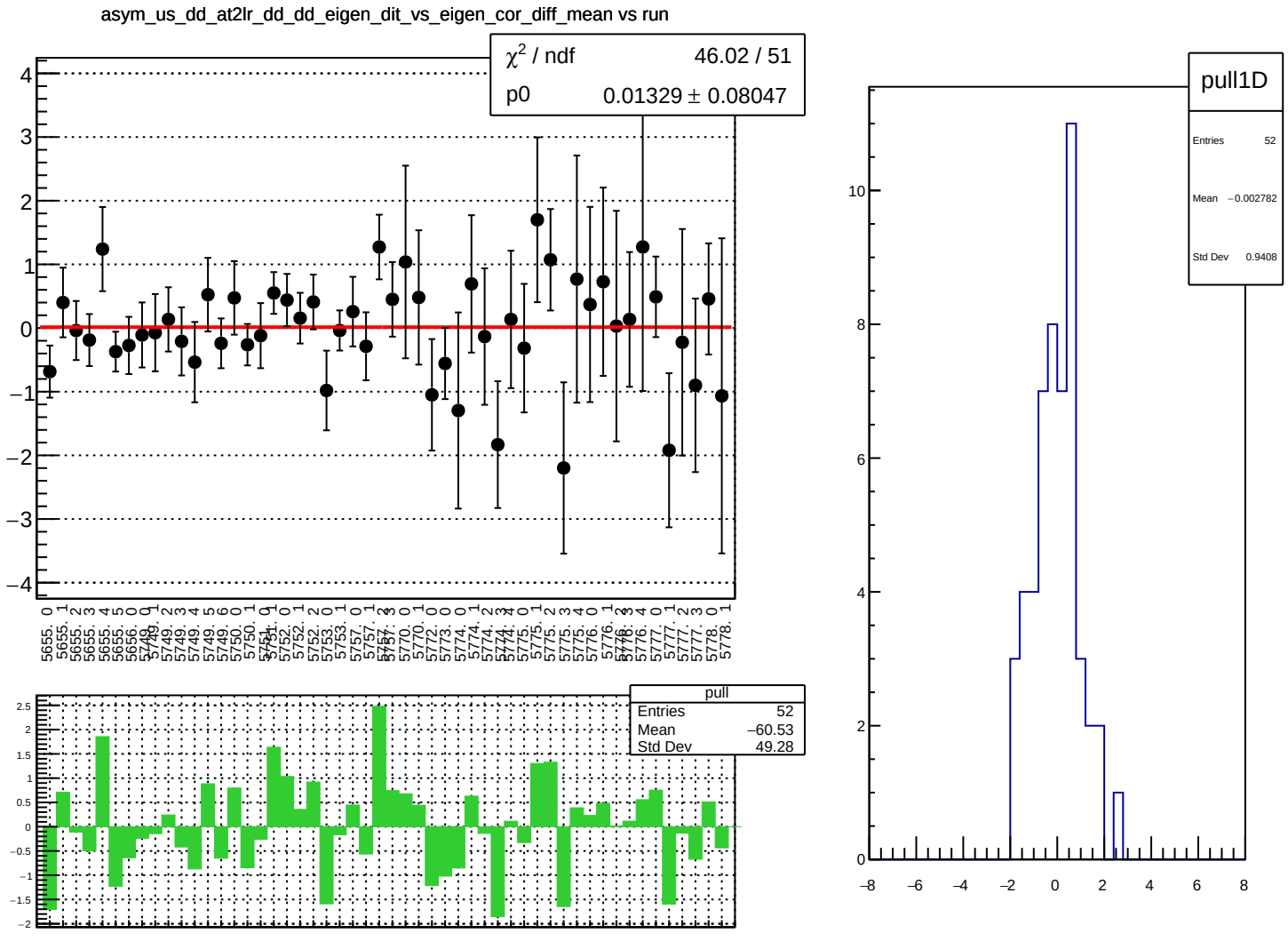

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.054e+05 / 51
p0 53.71 ± 0.0569
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

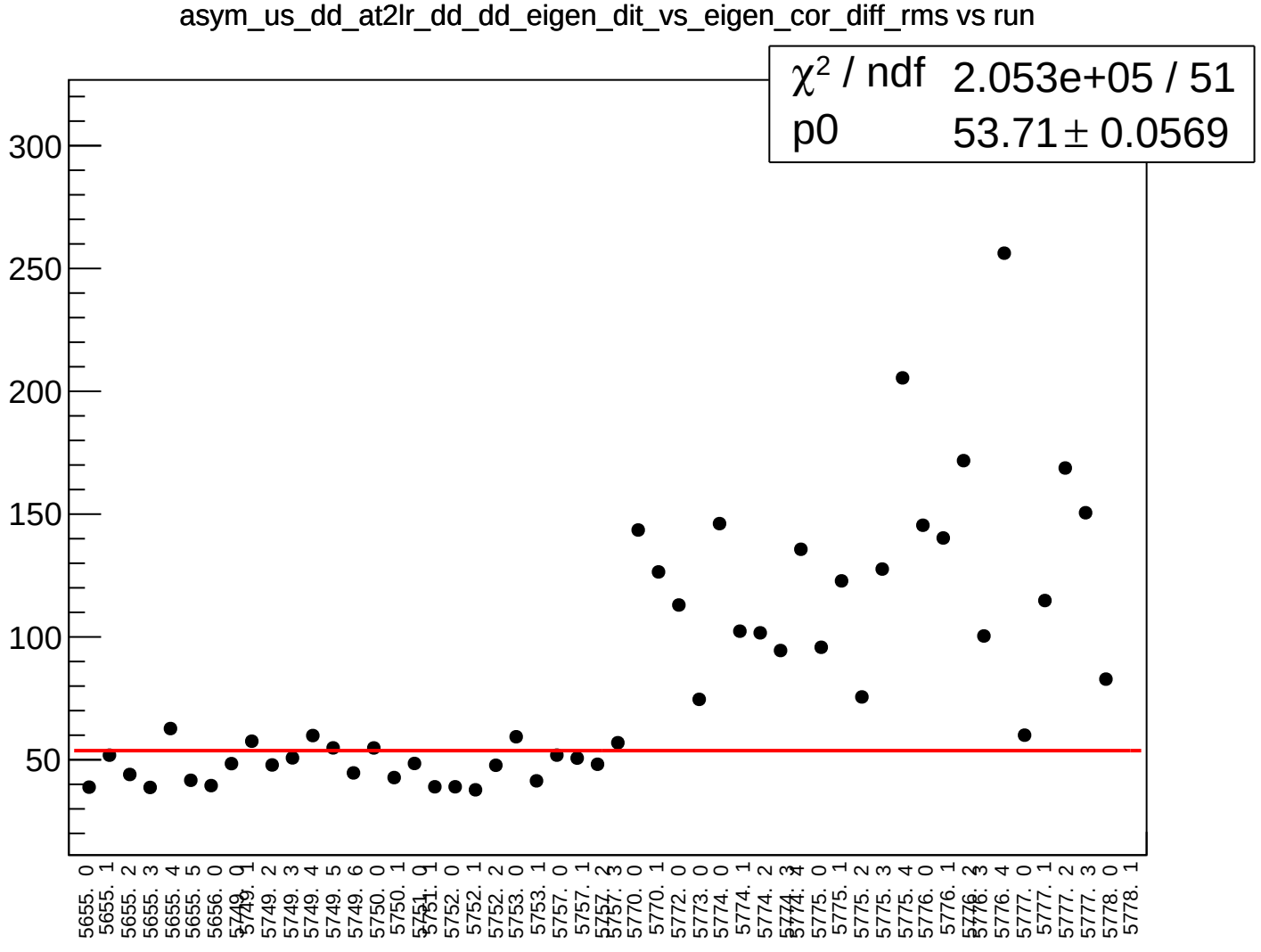

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 48.84 / 51
p0 −1.676e−07 ± 9.941e−06
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
pull
Entries 52
Mean −5.95
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 52
Mean 0.06427
Std Dev 0.967
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

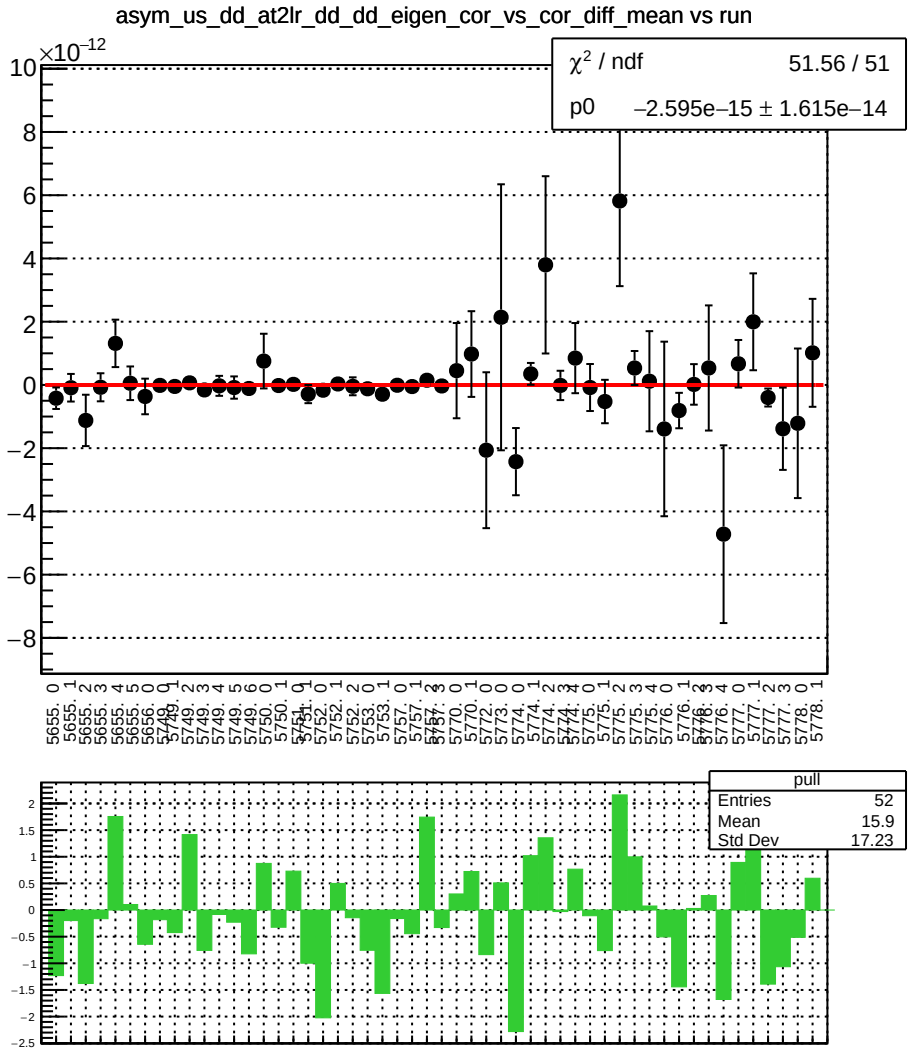

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.152e+05 / 51
p0 0.006963 ± 7.029e−06
0.025
0.02
0.015
0.01
0.005
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

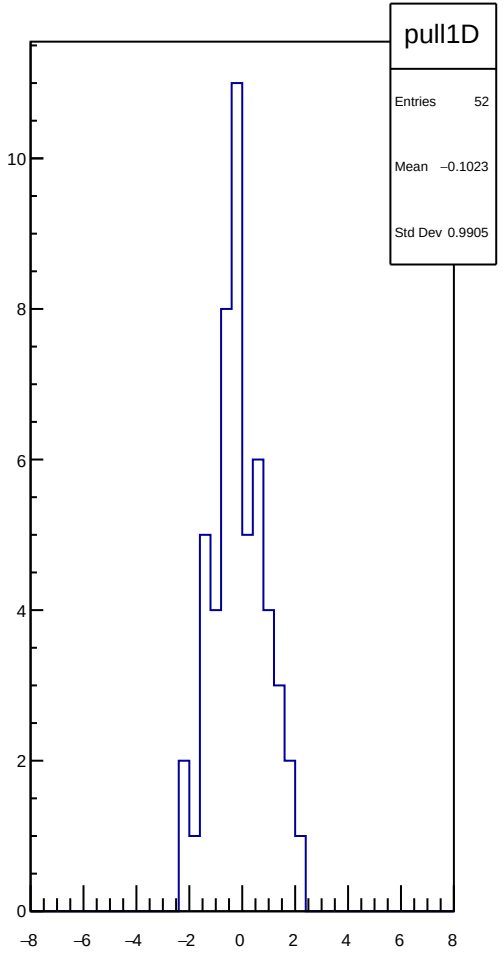

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.02 / 51
p0 0.01329 ± 0.08047
pull
Entries 52
Mean −60.53
Std Dev 49.28
pull1D
Entries 52
Mean −0.002782
Std Dev 0.9408

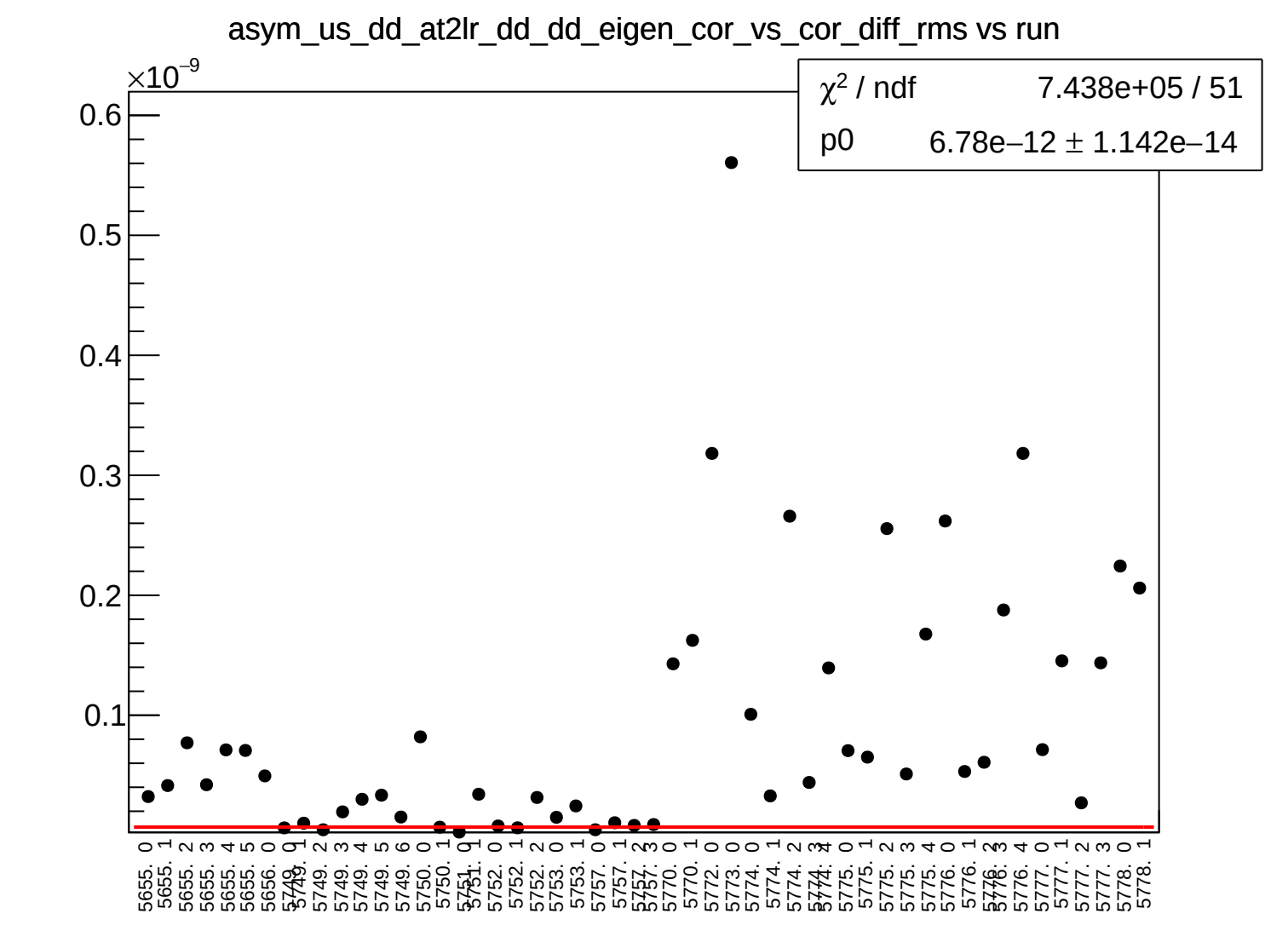

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.053e+05 / 51
p0 53.71 ± 0.0569
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

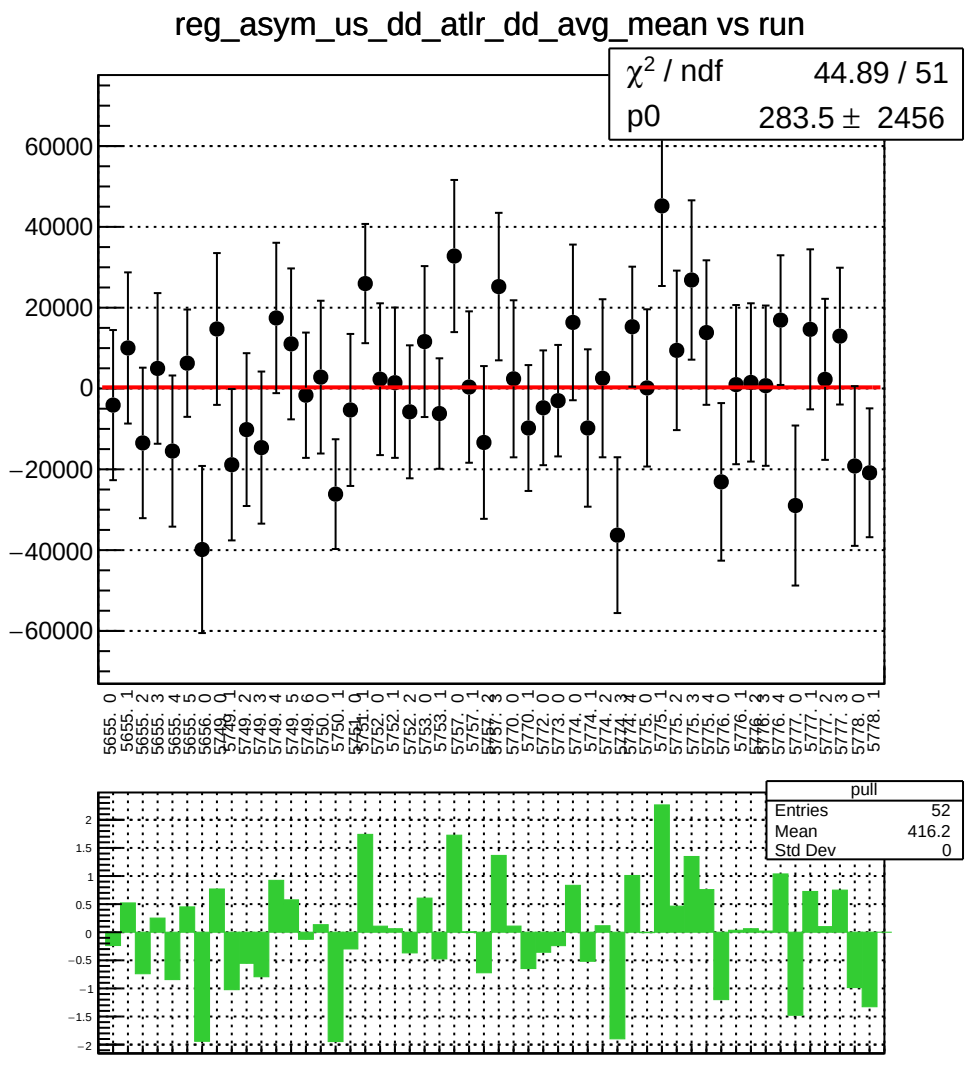

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.02 / 51
p0 0.01329 ± 0.08047
pull
Entries 52
Mean −60.53
Std Dev 49.28
pull1D
Entries 52
Mean −0.002782
Std Dev 0.9408

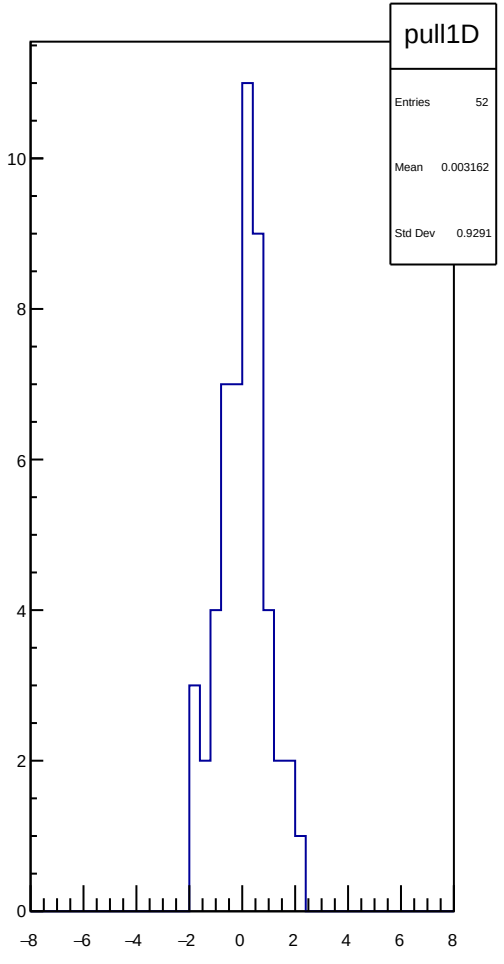

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.053e+05 / 51
p0 53.71 ± 0.0569
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

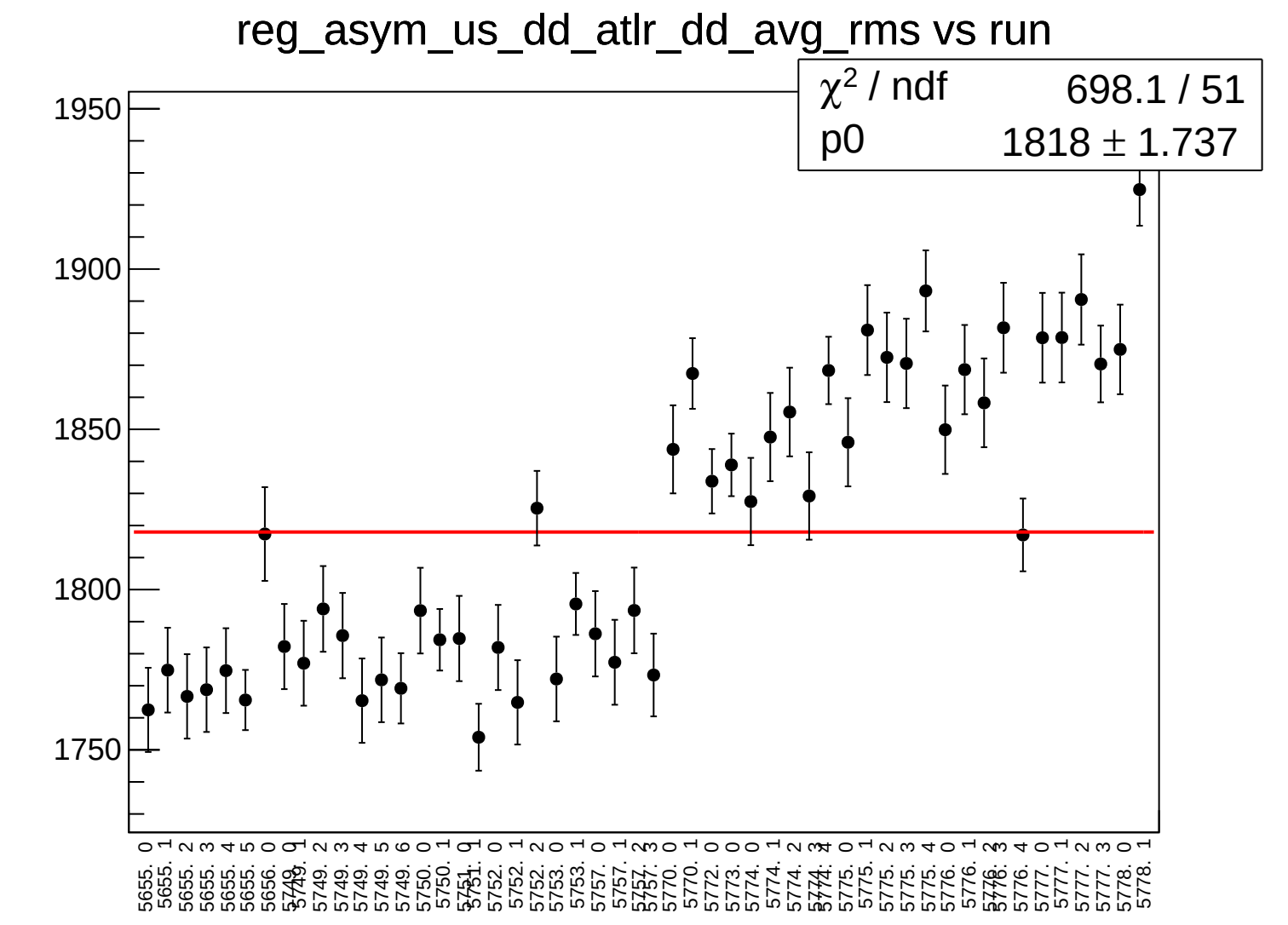

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.56 / 51
p0 −2.595e−15 ± 1.615e−14
pull
Entries 52
Mean 15.9
Std Dev 17.23

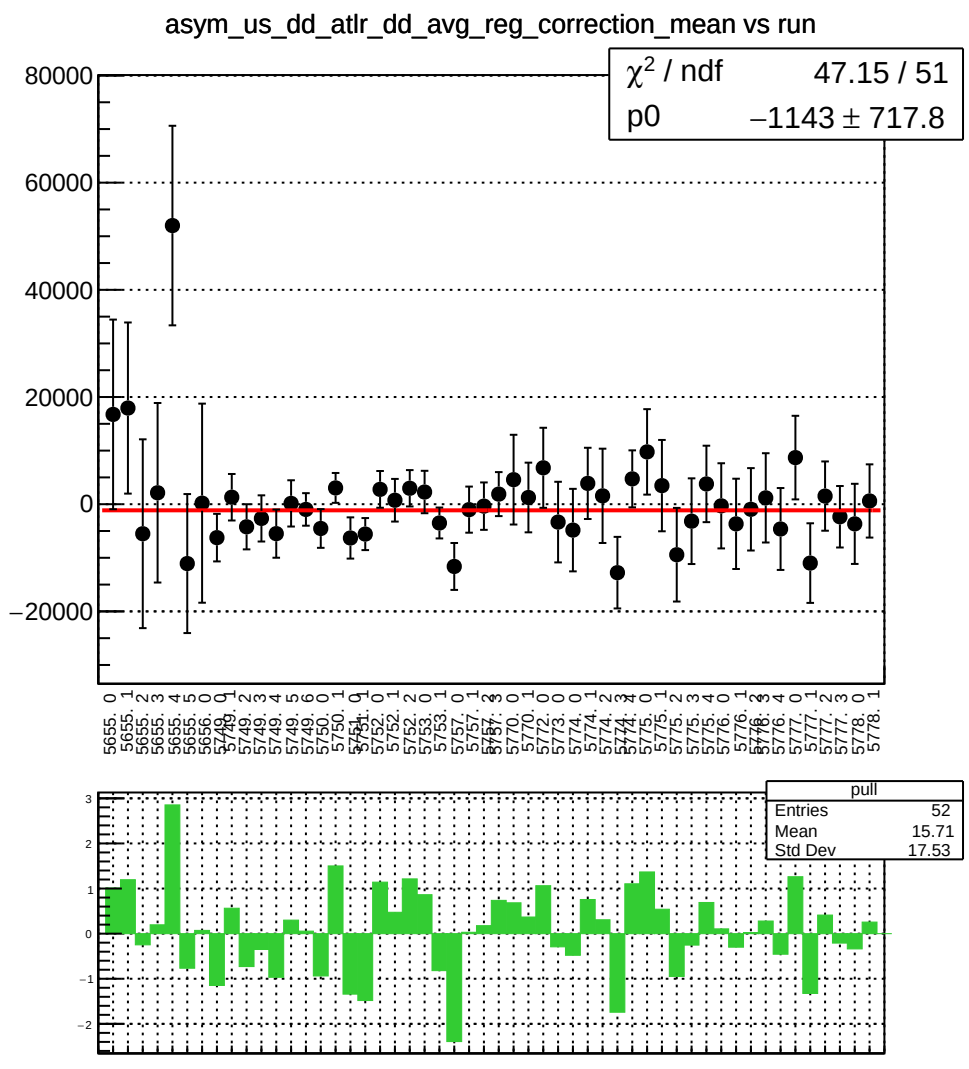

pull1D
Entries 52
Mean −0.1023
Std Dev 0.9905

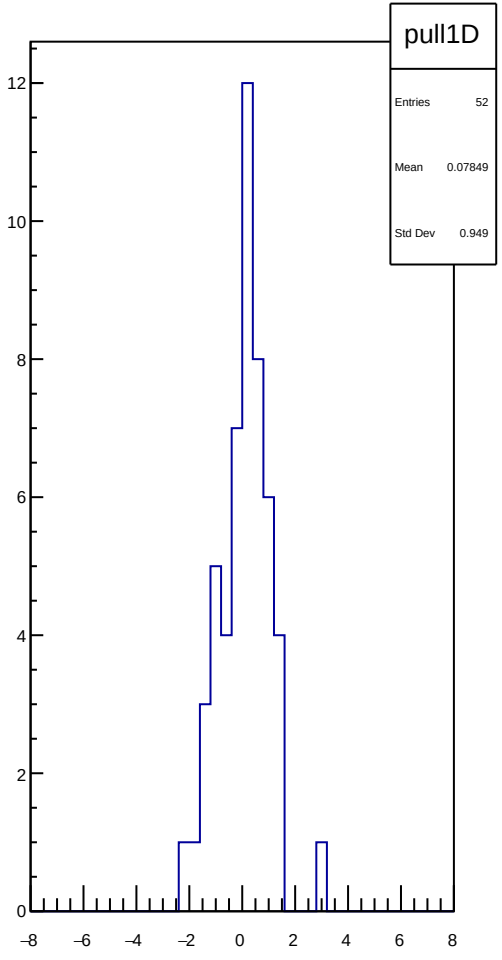

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.438e+05 / 51
p0 6.78e−12 ± 1.142e−14
0.6
0.5
0.4
0.3
0.2
0.1
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

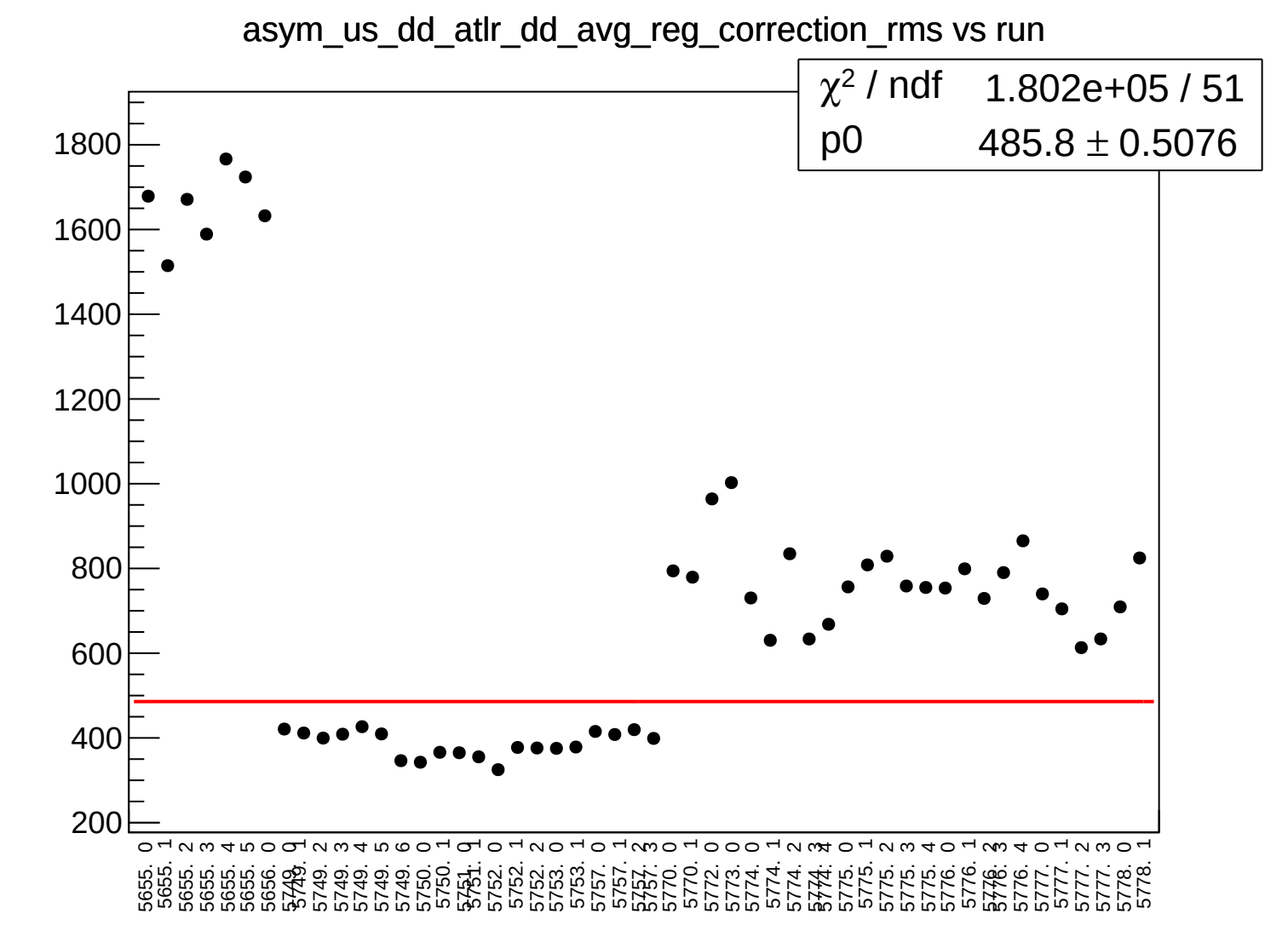

reg_asym_us_dd_atlr_dd_avg_mean vs run
χ^2 / ndf 44.89 / 51
p0 283.5 ± 2456
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 416.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

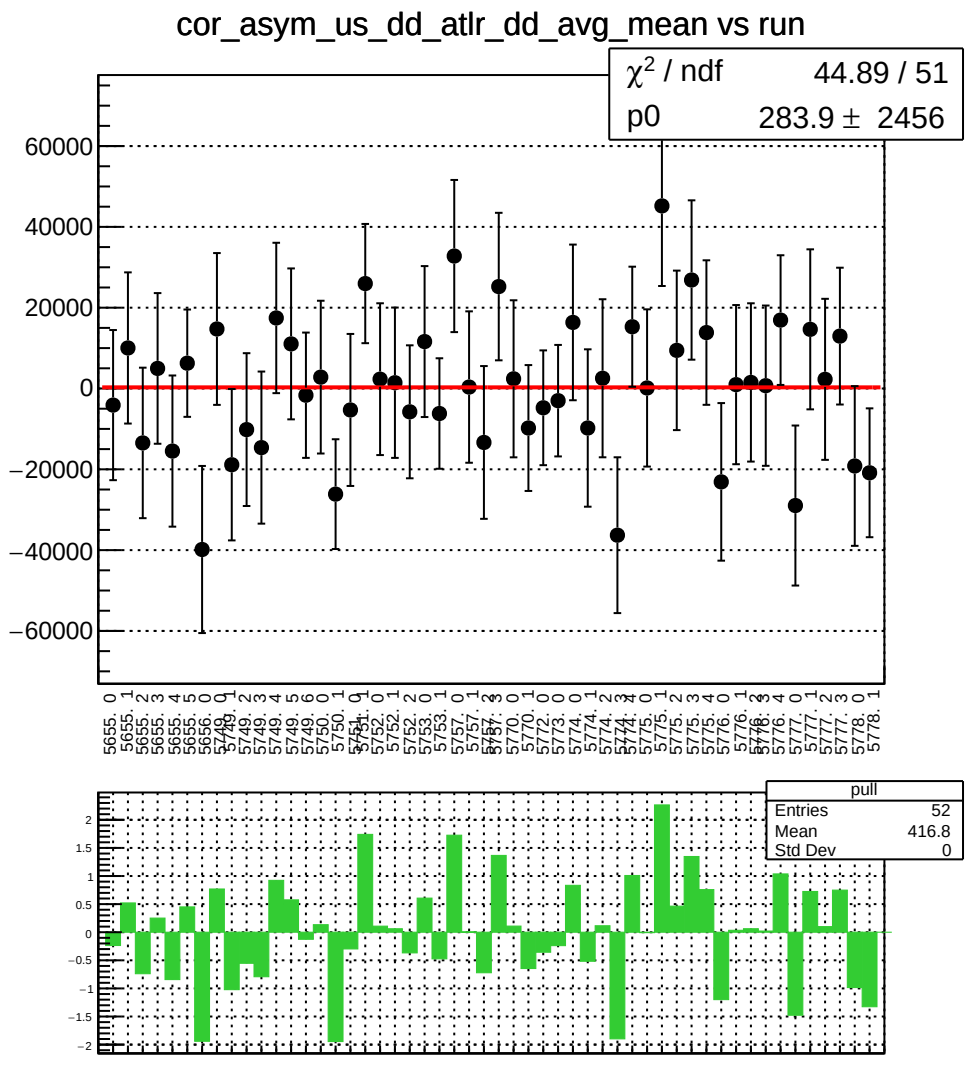

pull1D
Entries 52
Mean 0.003162
Std Dev 0.9291
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

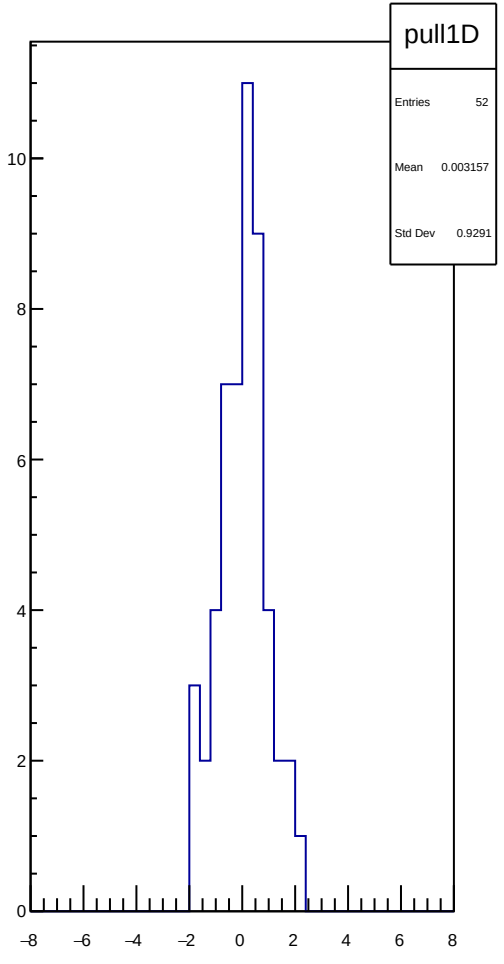

reg_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 698.1 / 51
p0 1818 ± 1.737
1950
1900
1850
1800
1750
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

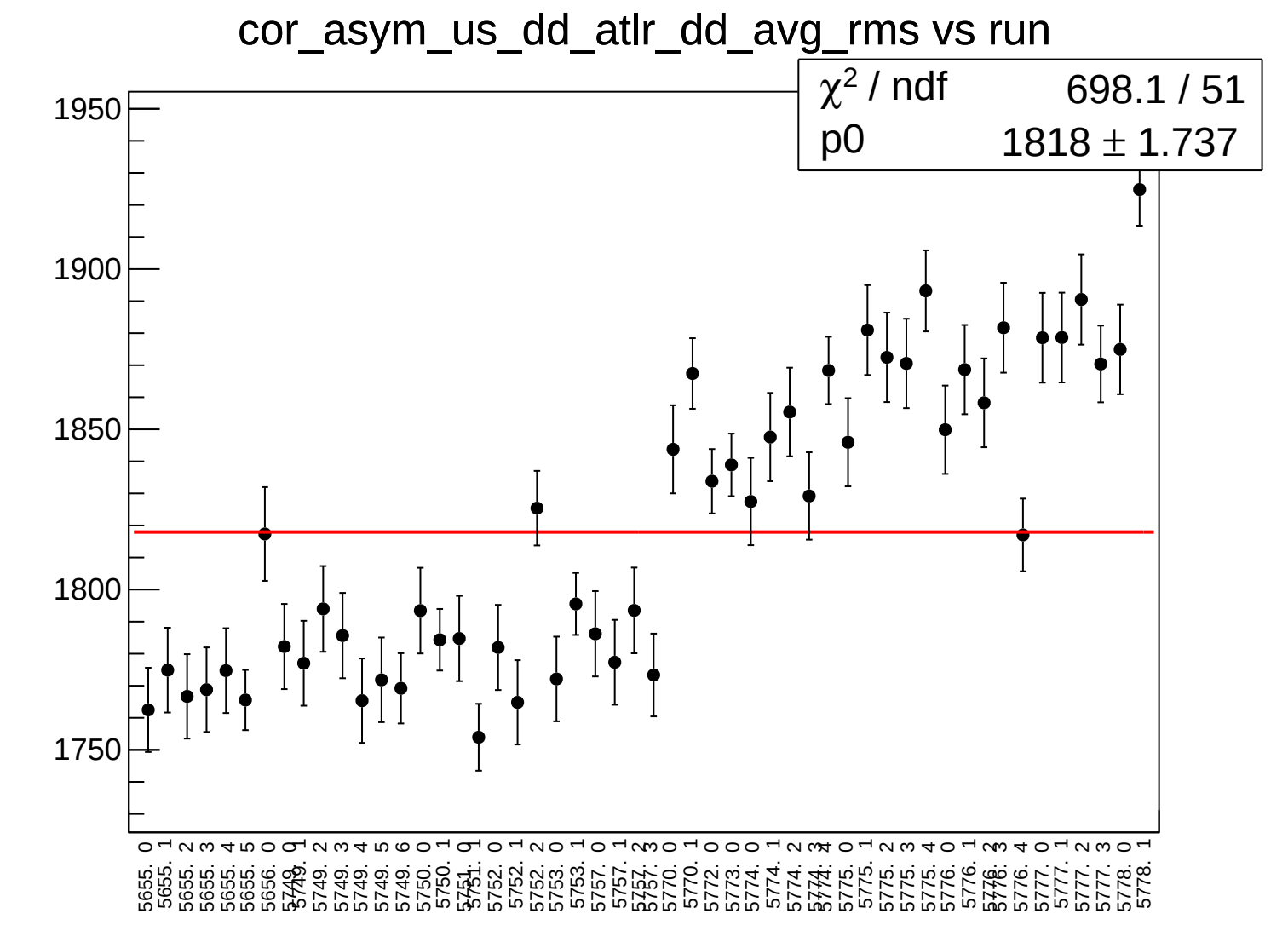

asym_us_dd_atlr_dd_avg_reg_correction_mean vs run
χ² / ndf 47.15 / 51
p0 −1143 ± 717.8
80000
60000
40000
20000
0
−20000
pull
Entries 52
Mean 15.71
Std Dev 17.53
3
2
1
0
−1
−2

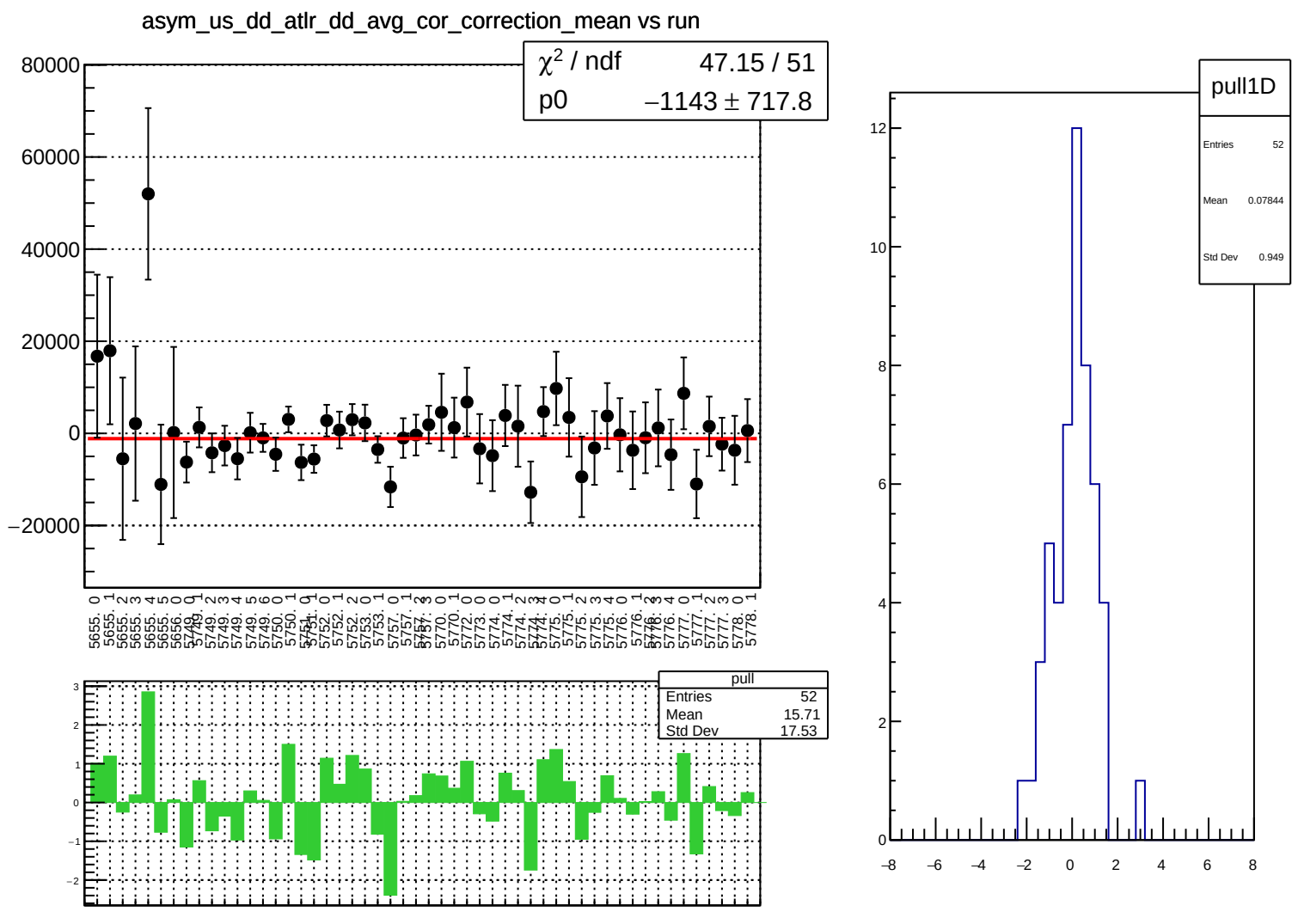

pull1D
Entries 52
Mean 0.07849
Std Dev 0.949
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

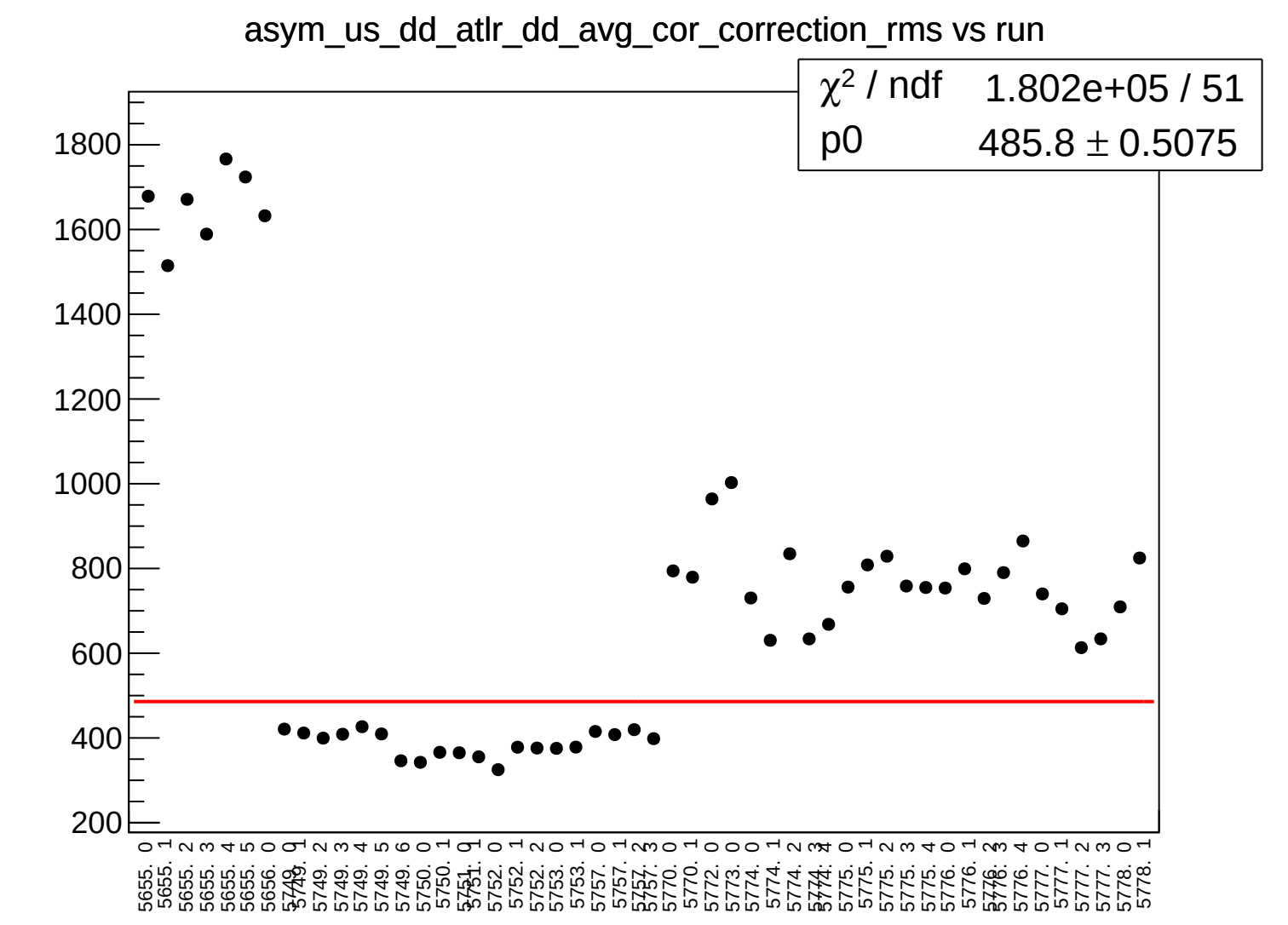

asym_us_dd_atlr_dd_avg_reg_correction_rms vs run
χ² / ndf 1.802e+05 / 51
p0 485.8 ± 0.5076
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

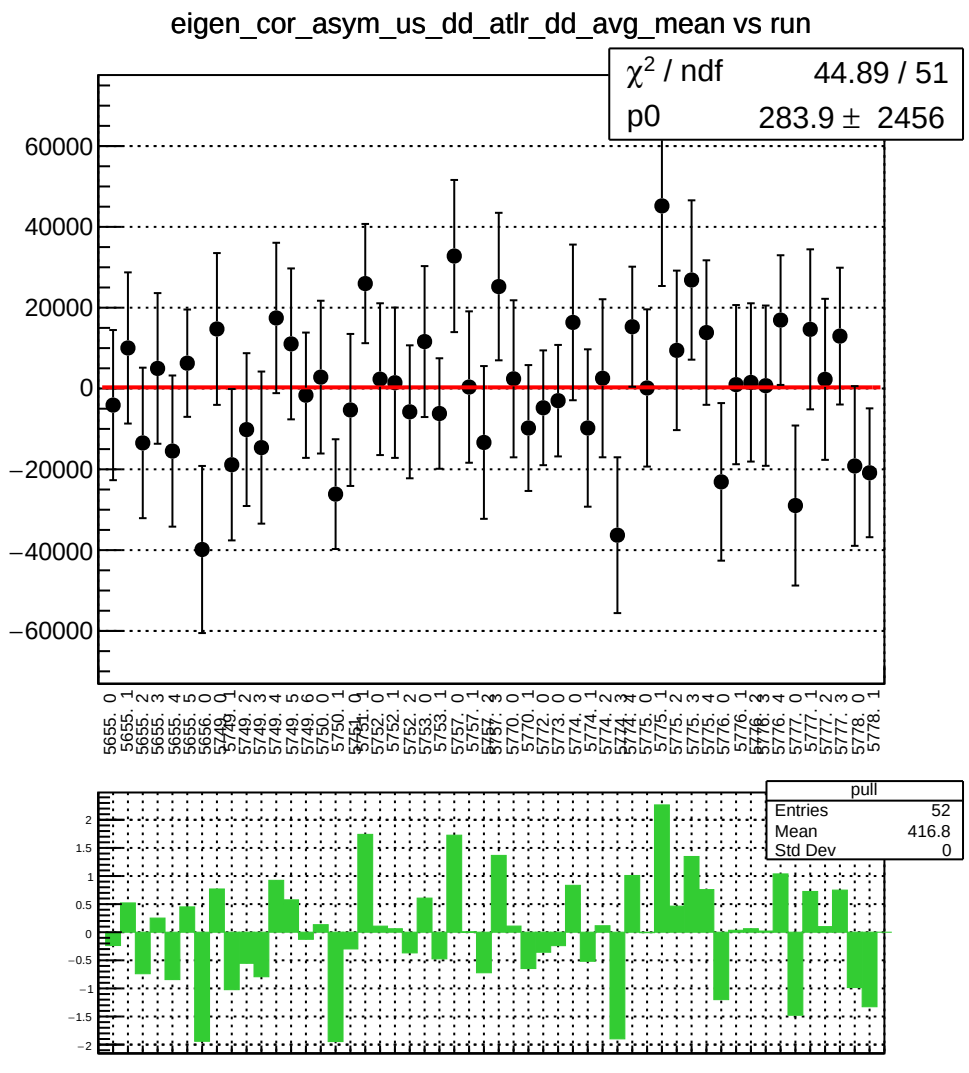

cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 44.89 / 51
p0 283.9 ± 2456
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 416.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

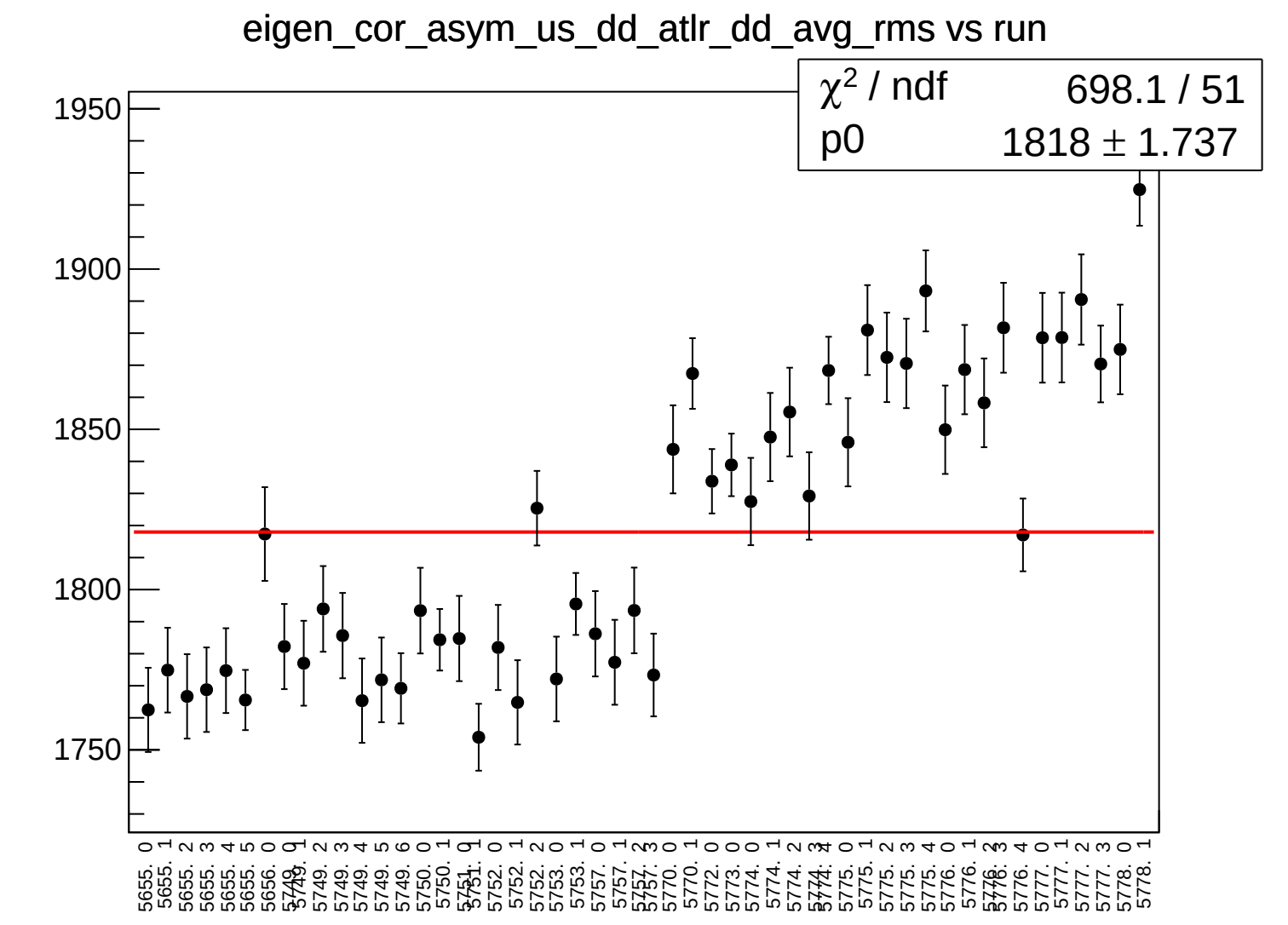

pull1D
Entries 52
Mean 0.003157
Std Dev 0.9291
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

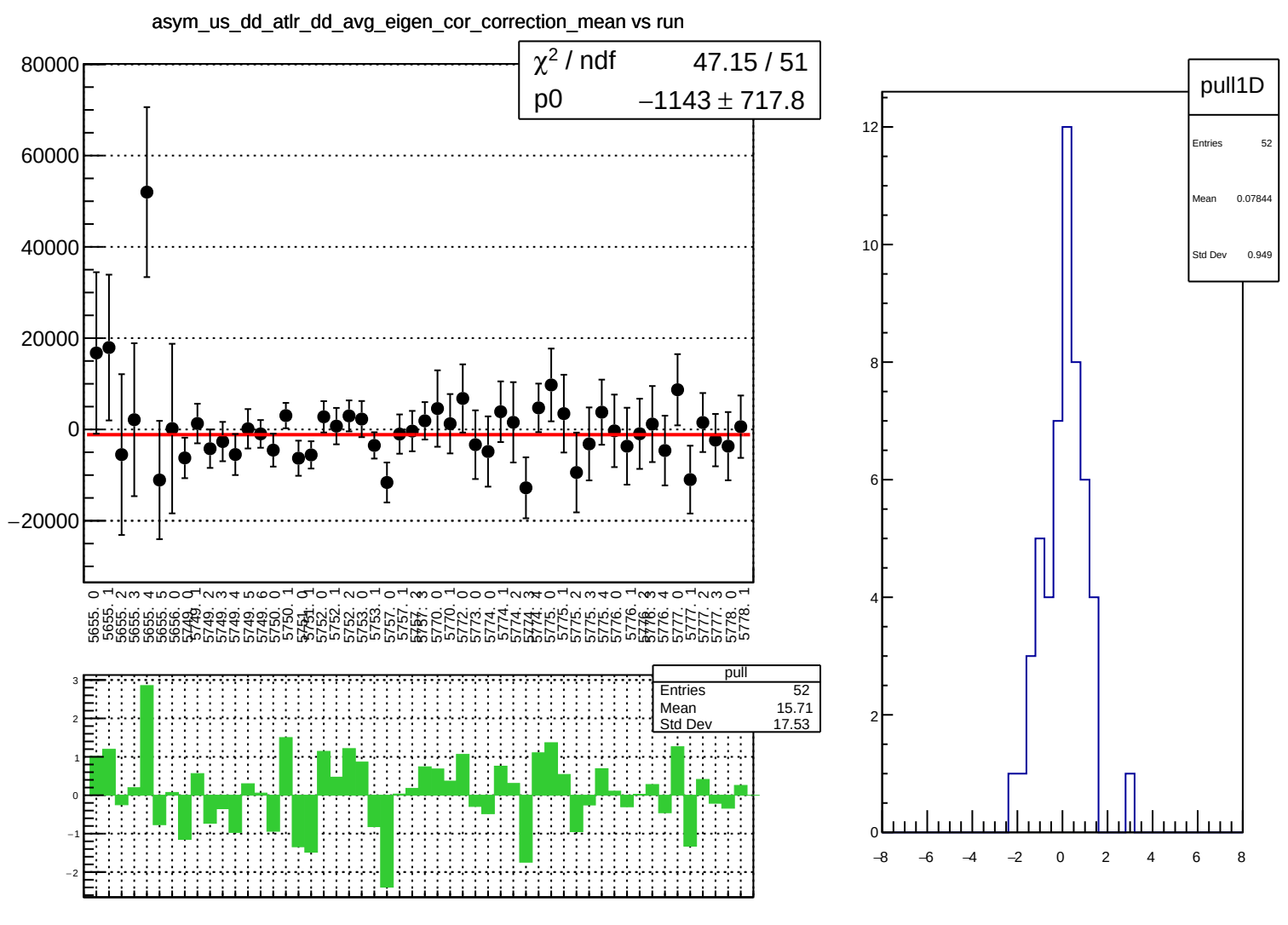

cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 698.1 / 51
p0 1818 ± 1.737
1950
1900
1850
1800
1750
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

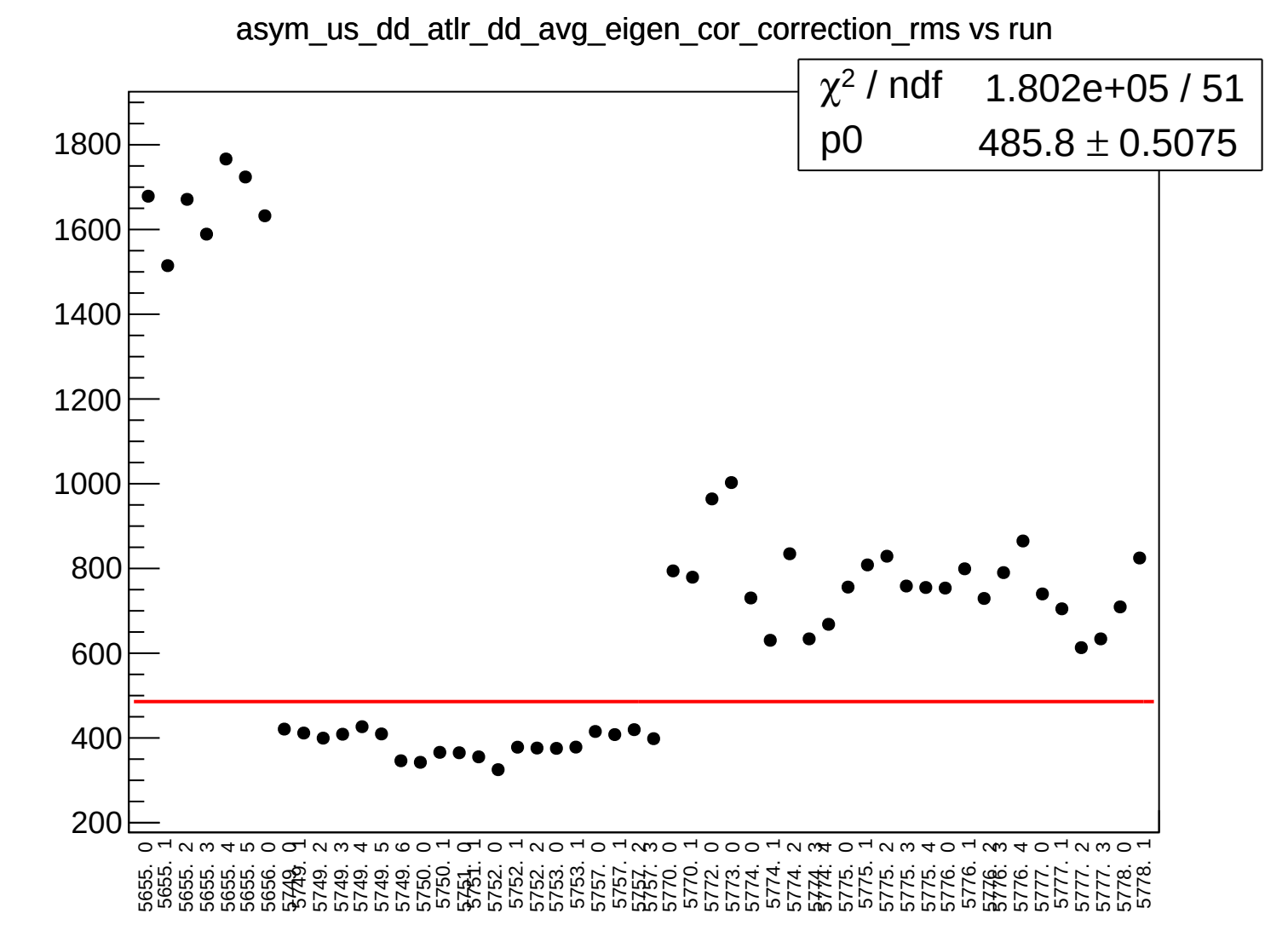

asym_us_dd_atlr_dd_avg_cor_correction_mean vs run
χ² / ndf 47.15 / 51
p0 −1143 ± 717.8
80000
60000
40000
20000
0
−20000
pull
Entries 52
Mean 15.71
Std Dev 17.53
pull1D
Entries 52
Mean 0.07844
Std Dev 0.949


asym_us_dd_atlr_dd_avg_cor_correction_rms vs run
χ² / ndf 1.802e+05 / 51
p0 485.8 ± 0.5075
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 44.89 / 51
p0 283.9 ± 2456
pull
Entries 52
Mean 416.8
Std Dev 0
pull1D
Entries 52
Mean 0.003157
Std Dev 0.9291


eigen_cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 698.1 / 51
p0 1818 ± 1.737
1950
1900
1850
1800
1750
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 47.15 / 51
p0 −1143 ± 717.8
80000
60000
40000
20000
0
−20000
pull
Entries 52
Mean 15.71
Std Dev 17.53
pull1D
Entries 52
Mean 0.07844
Std Dev 0.949


asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.802e+05 / 51
p0 485.8 ± 0.5075
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 2
5776. 3
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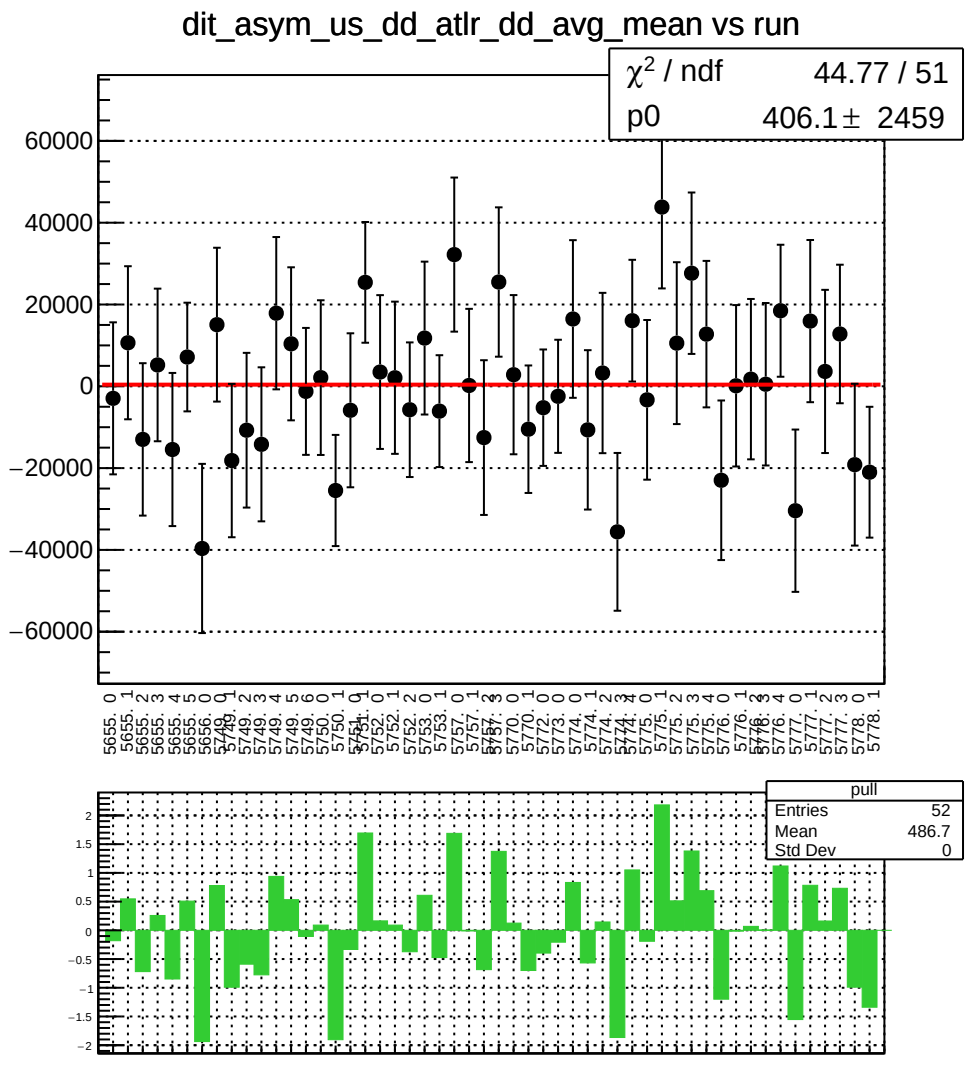
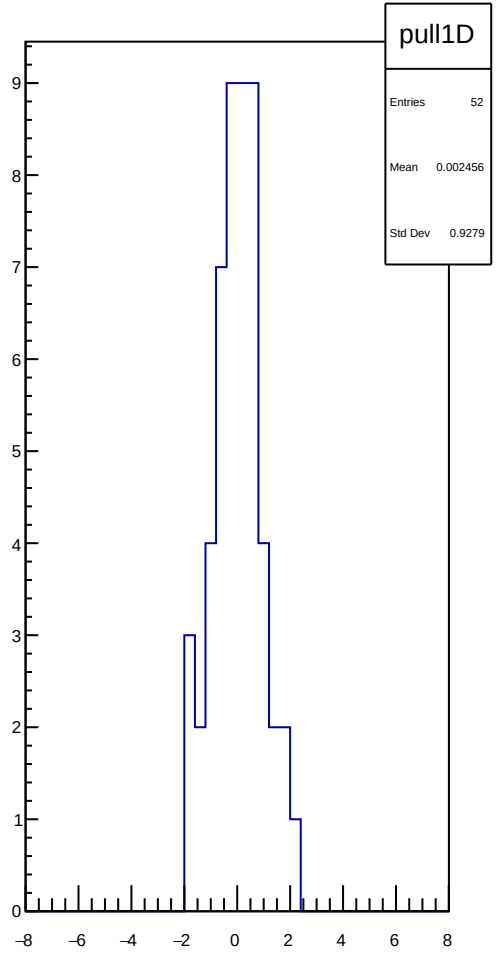
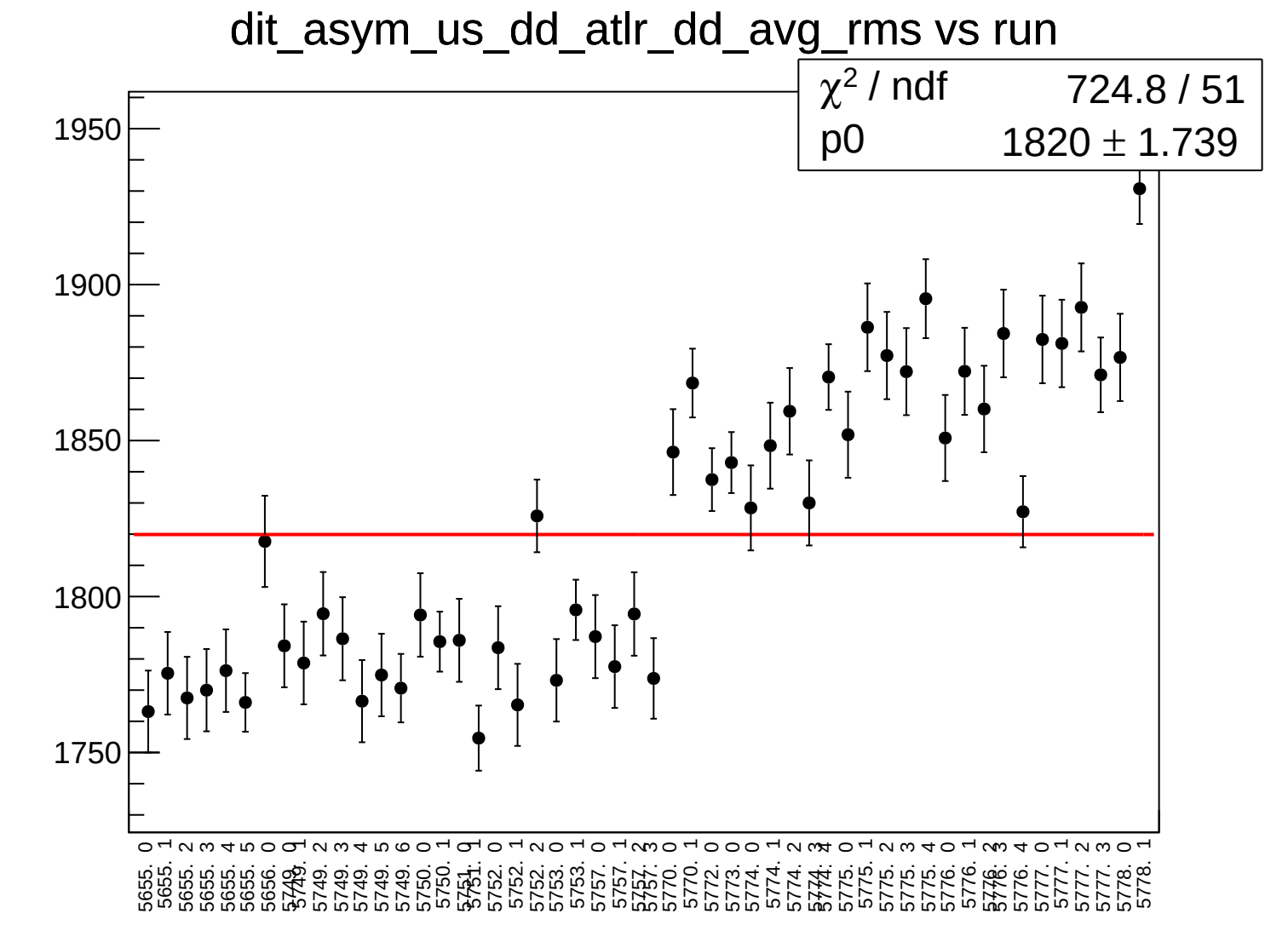
5778. 0
5778. 1


dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 44.77 / 51
p0 406.1 ± 2459
pull
Entries 52
Mean 486.7
Std Dev 0


pull1D
Entries 52
Mean 0.002456
Std Dev 0.9279


dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 724.8 / 51
p0 1820 ± 1.739
1950
1900
1850
1800
1750
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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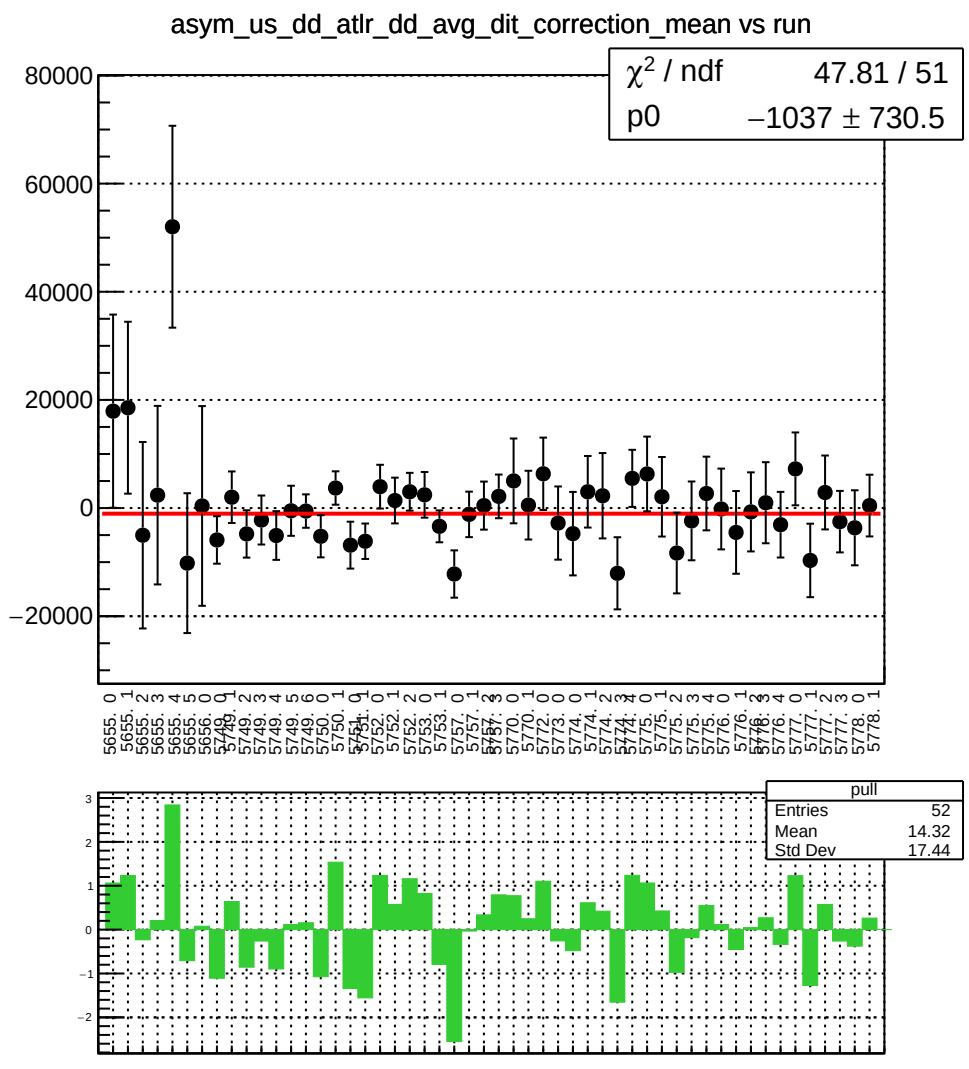
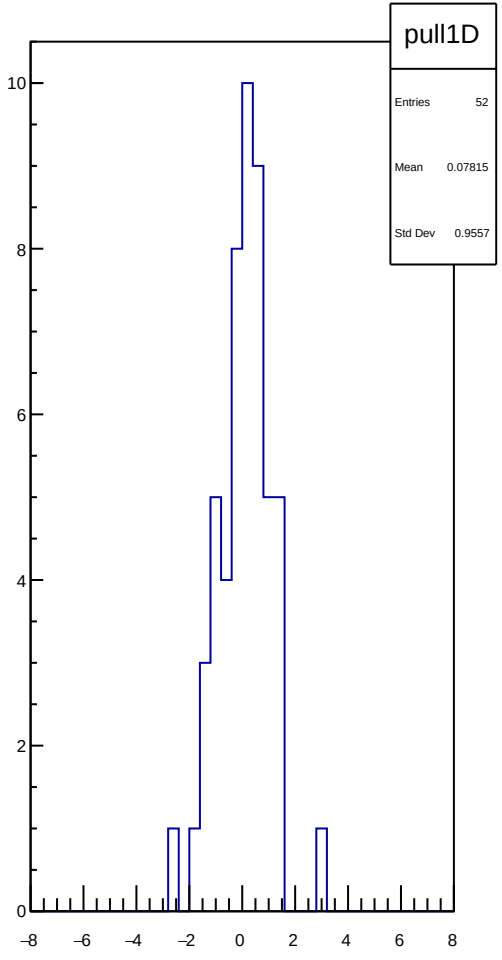
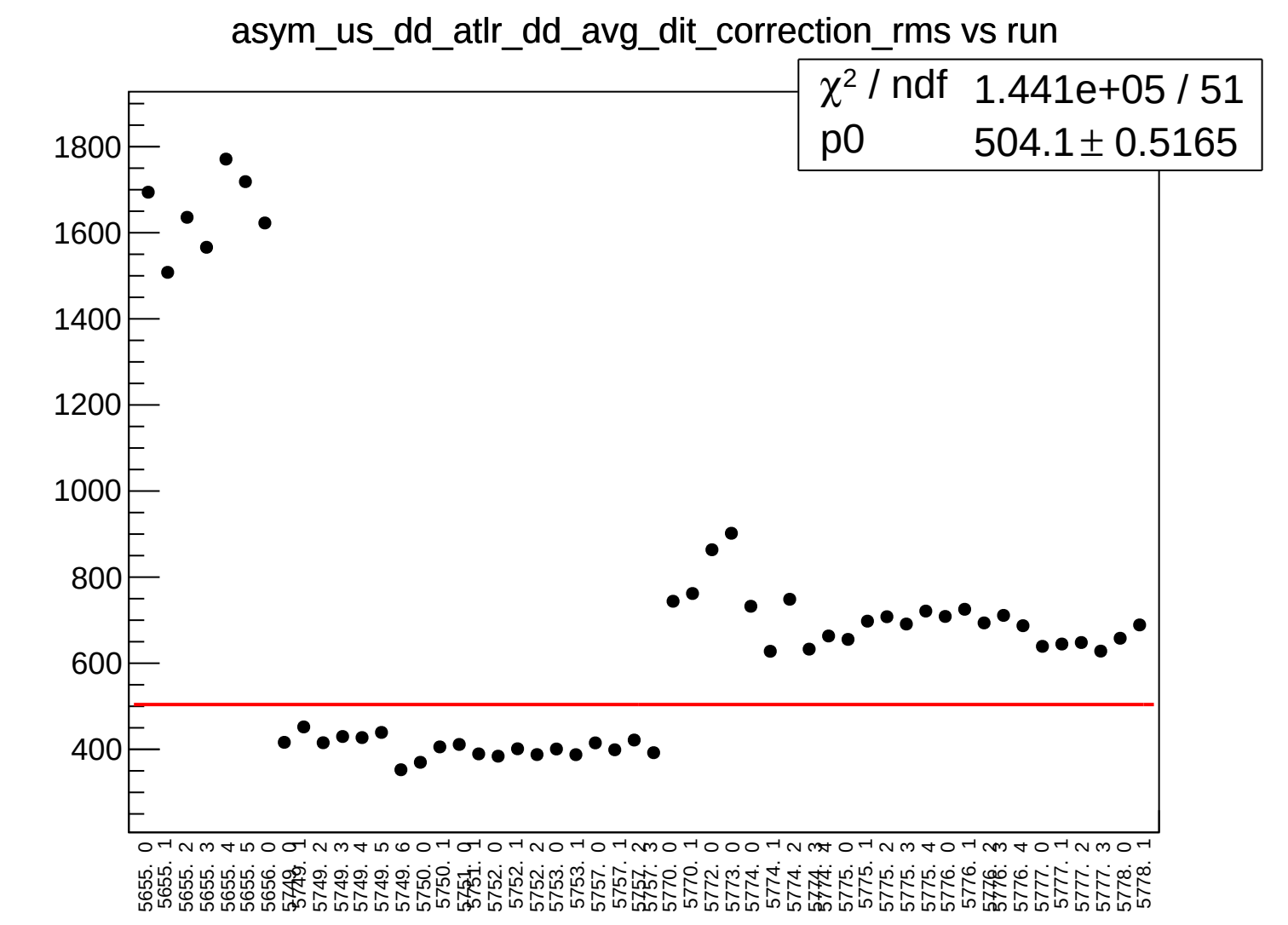
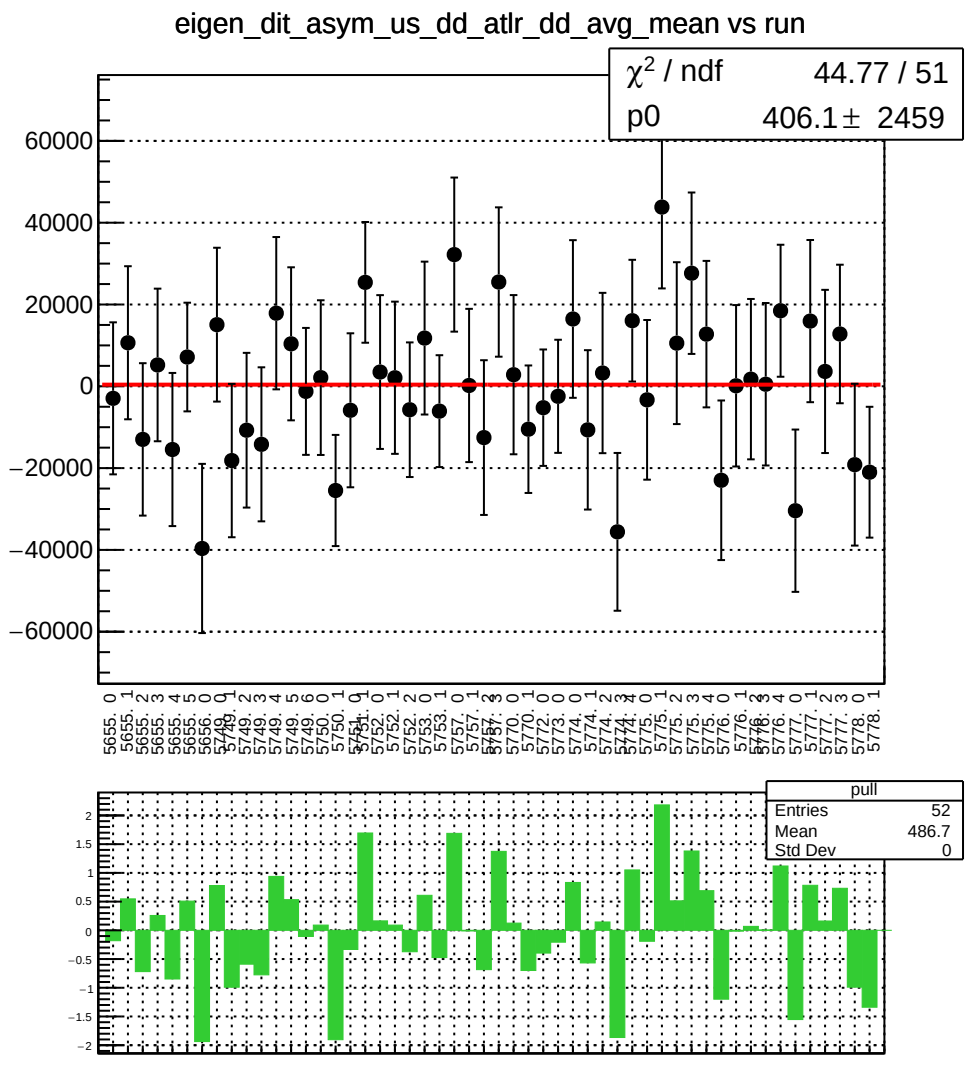
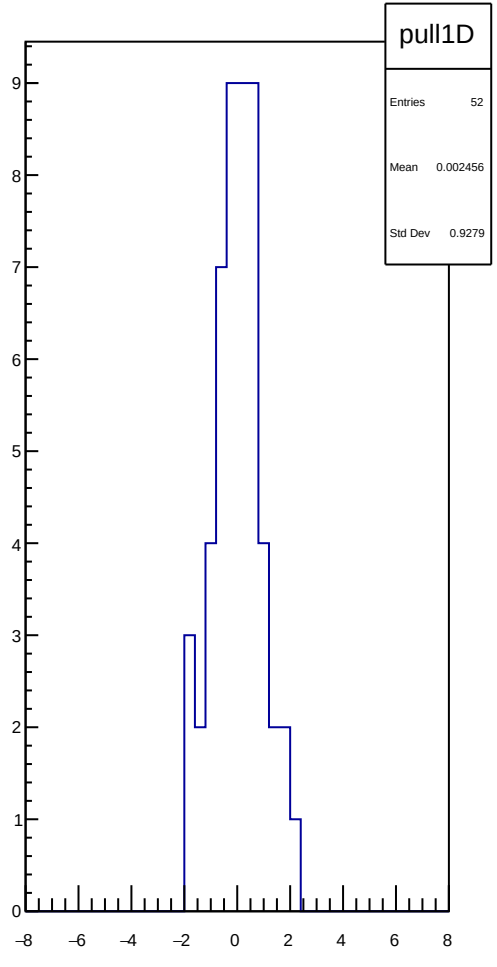
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

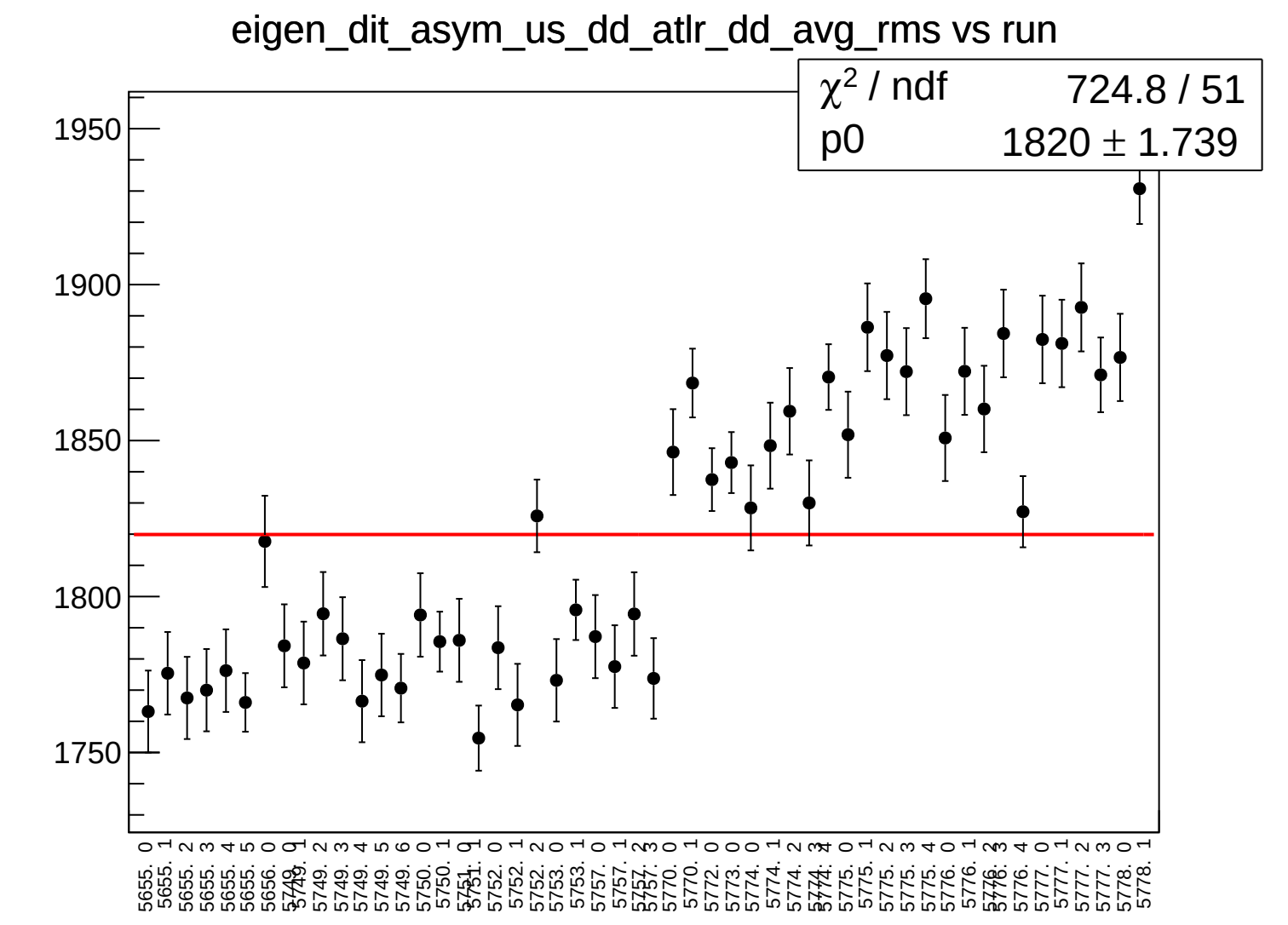

asym_us_dd_atlr_dd_avg_dit_correction_mean vs run
χ² / ndf 47.81 / 51
p0 −1037 ± 730.5
80000
60000
40000
20000
0
−20000
pull
Entries 52
Mean 14.32
Std Dev 17.44
3
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.07815
Std Dev 0.9557
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_atlr_dd_avg_dit_correction_rms vs run
χ² / ndf 1.441e+05 / 51
p0 504.1 ± 0.5165
1800
1600
1400
1200
1000
800
600
400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 44.77 / 51
p0 406.1 ± 2459
pull
Entries 52
Mean 486.7
Std Dev 0


pull1D
Entries 52
Mean 0.002456
Std Dev 0.9279


eigen_dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 724.8 / 51
p0 1820 ± 1.739
1950
1900
1850
1800
1750
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5749. 6
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5757. 2
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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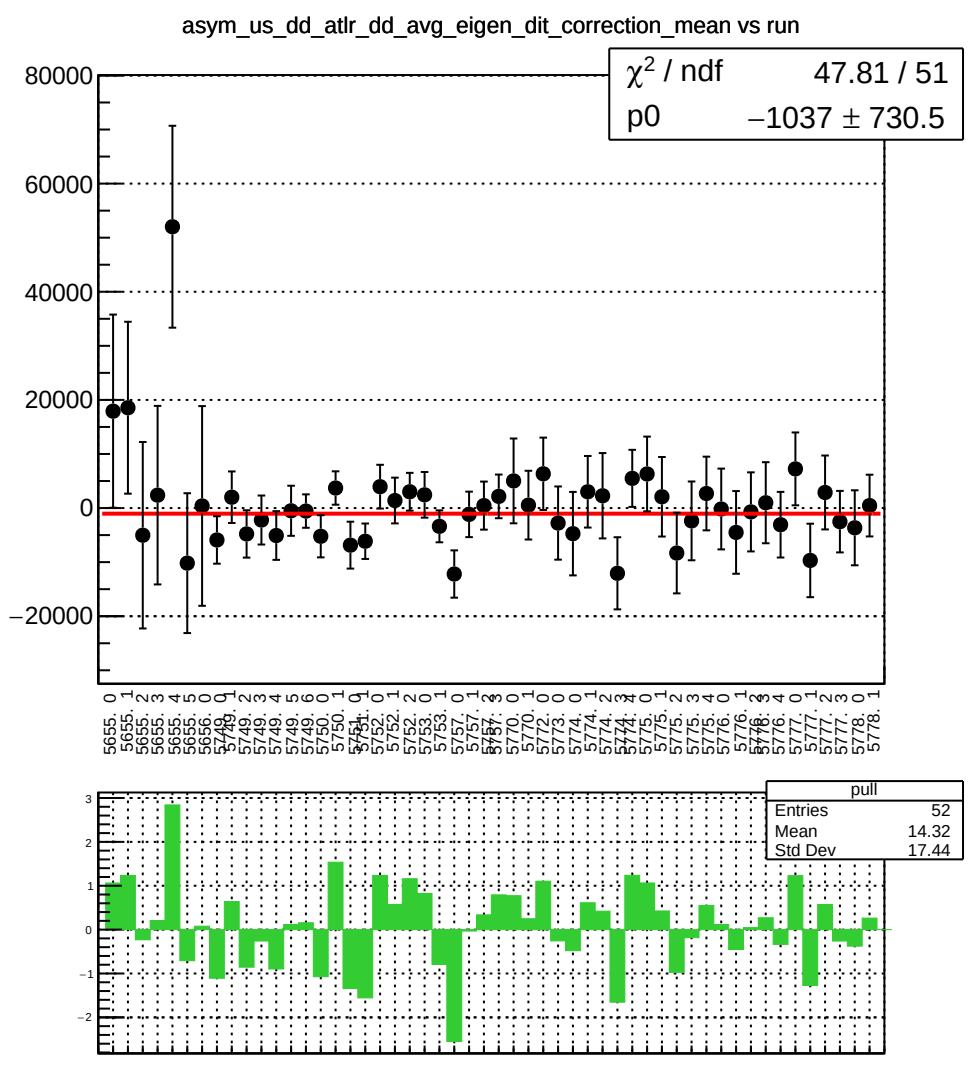
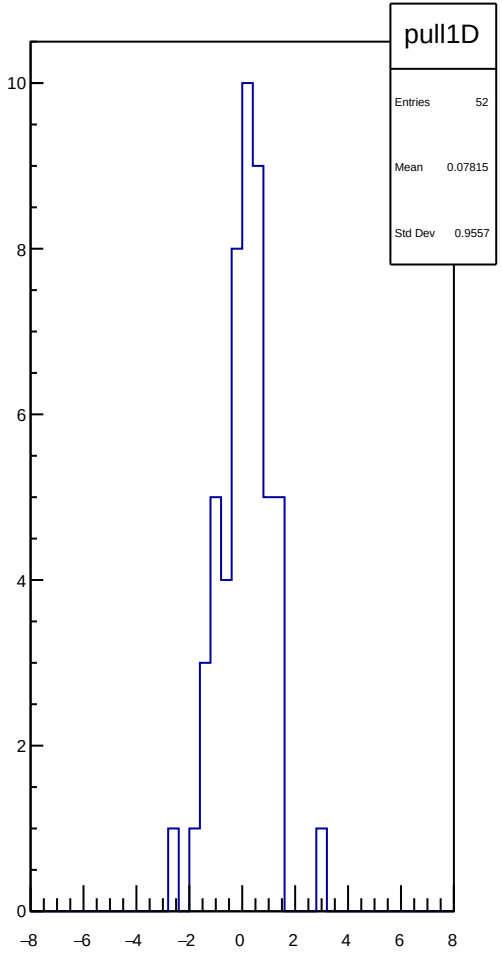
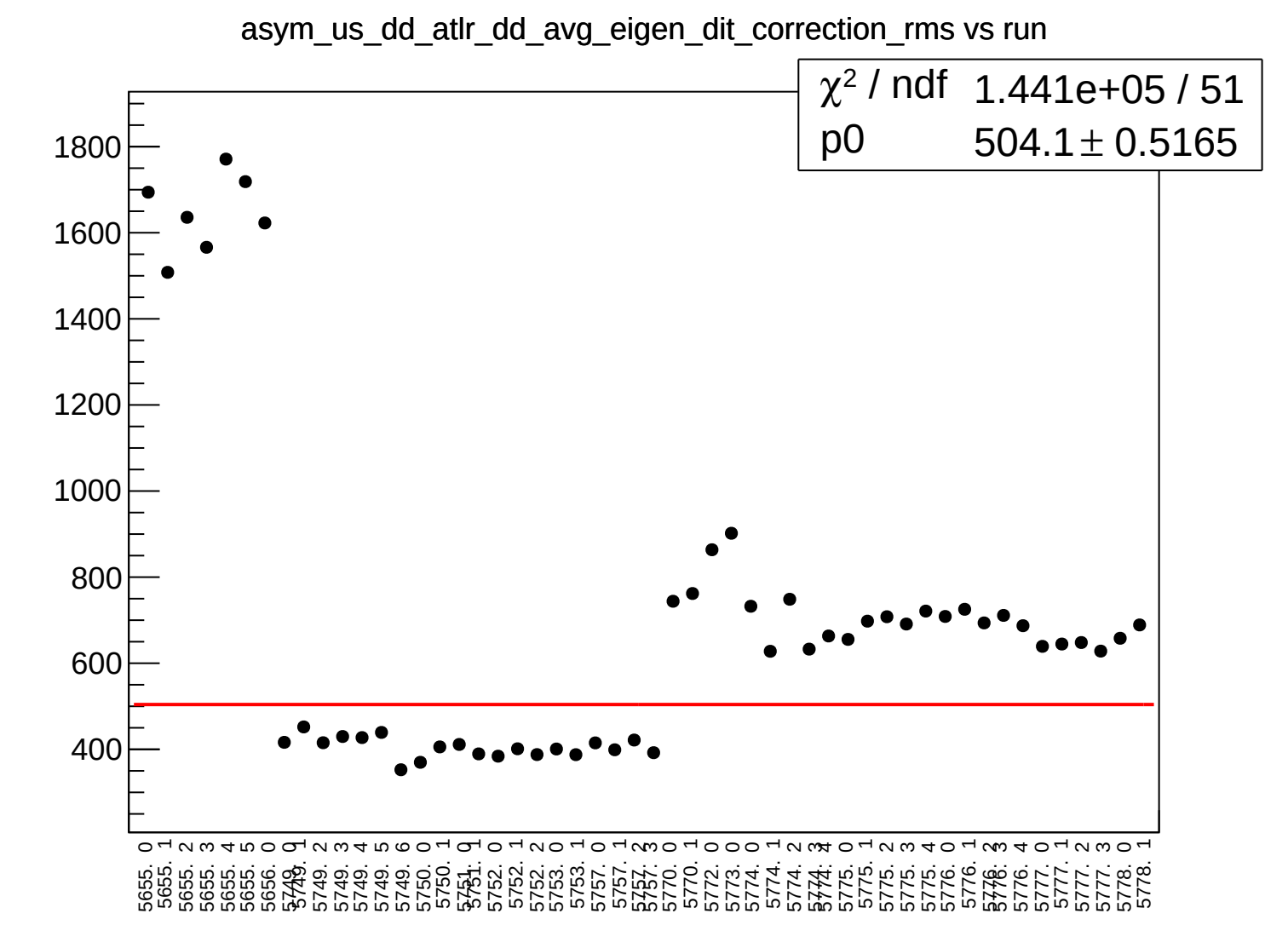
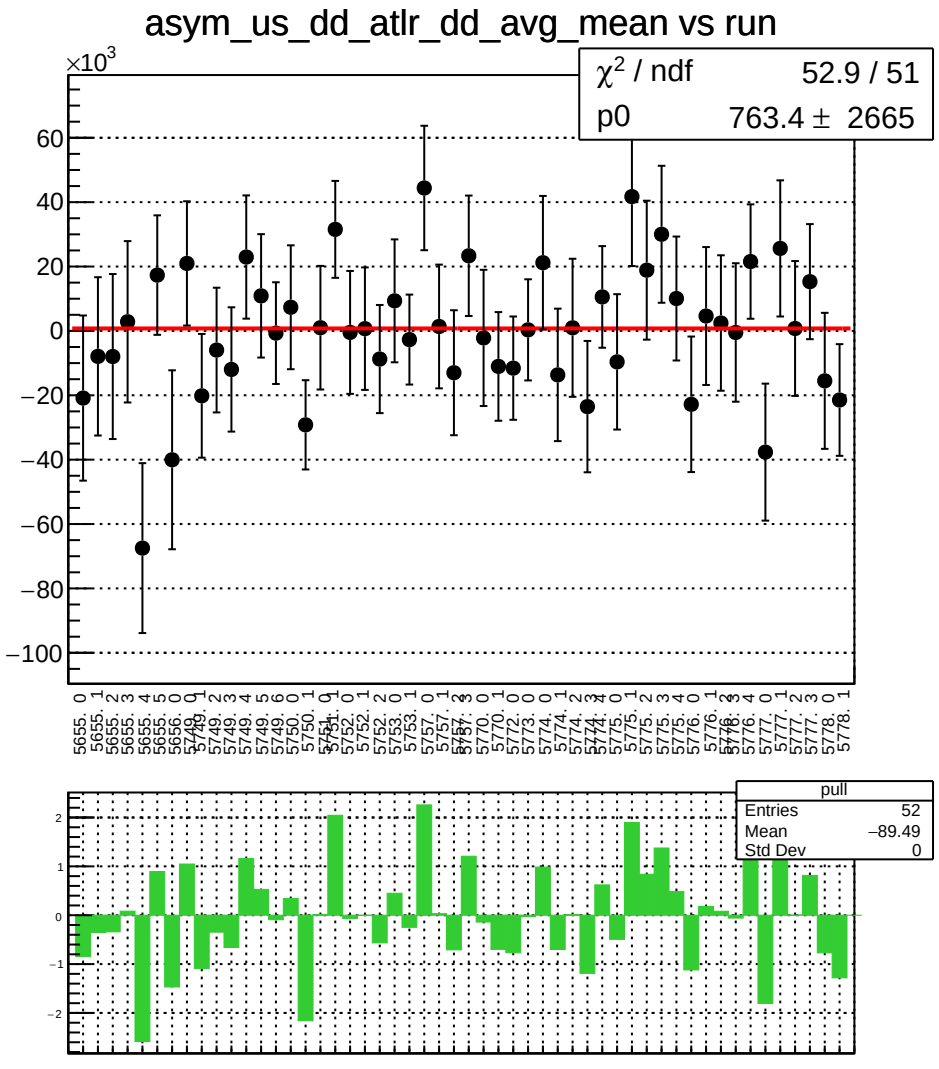
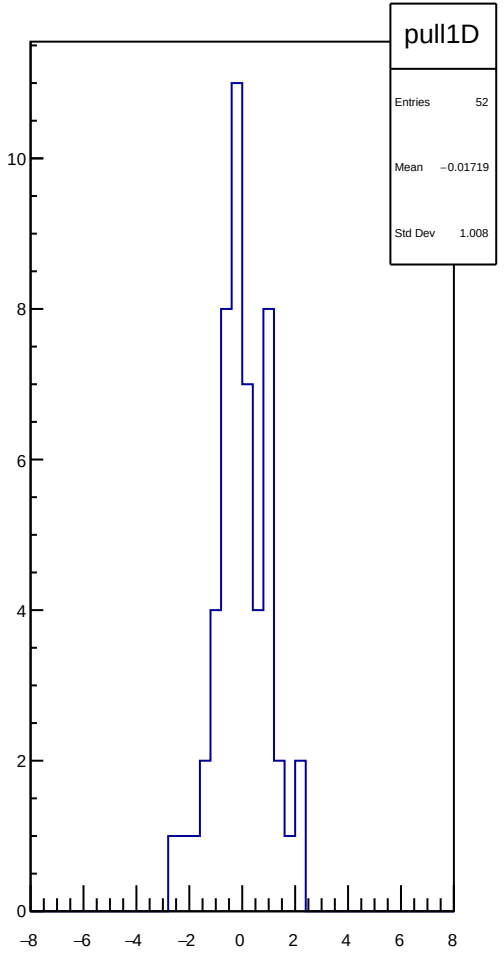
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

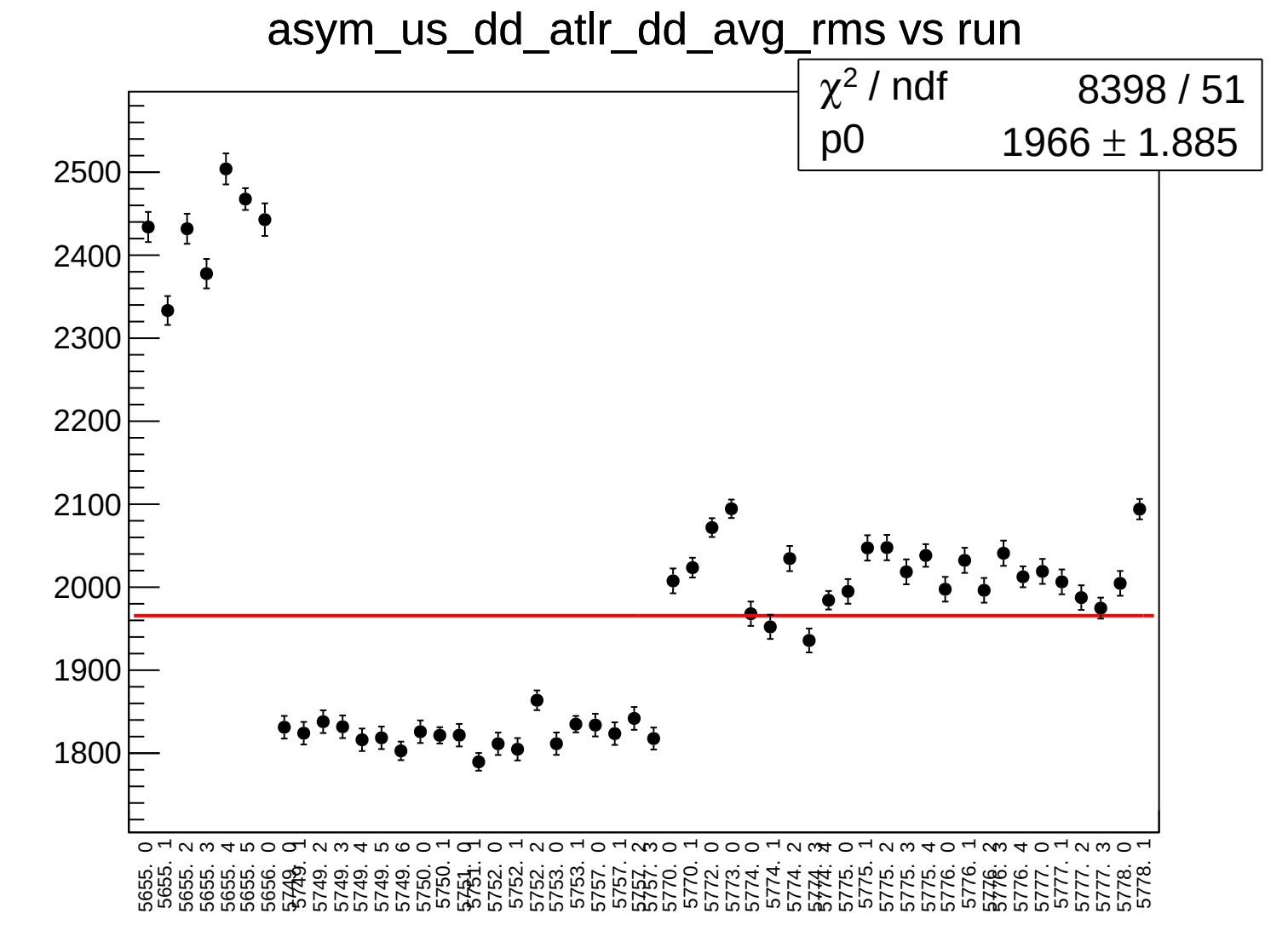

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 47.81 / 51
p0 −1037 ± 730.5
80000
60000
40000
20000
0
−20000
pull
Entries 52
Mean 14.32
Std Dev 17.44
3
2
1
0
−1
−2

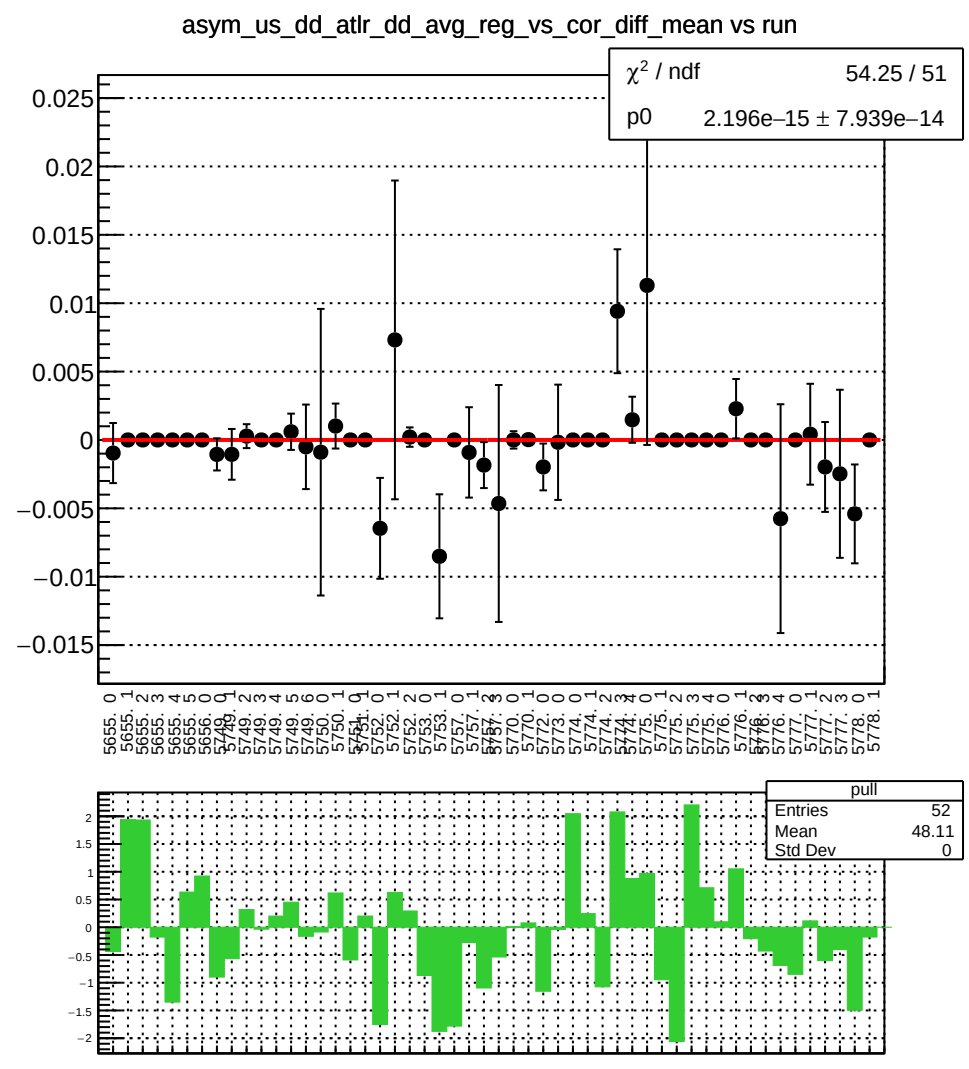

pull1D
Entries 52
Mean 0.07815
Std Dev 0.9557
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

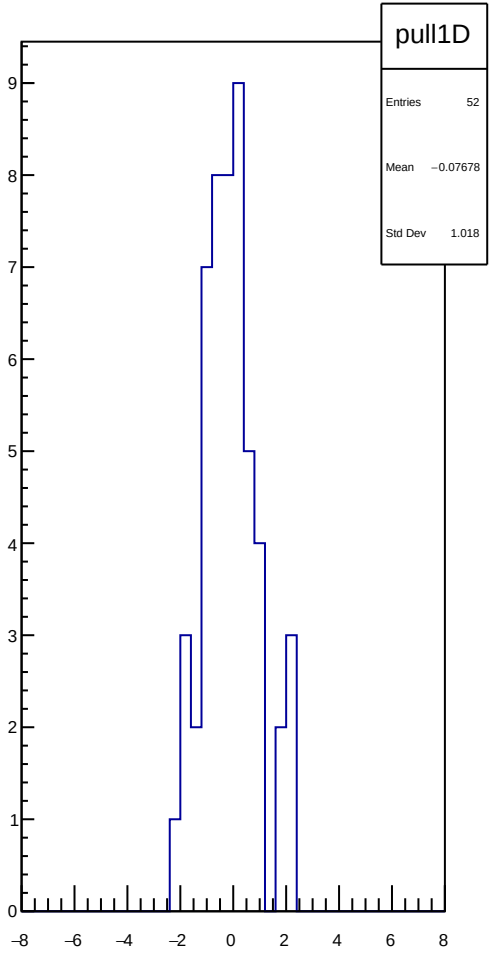

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.441e+05 / 51
p0 504.1 ± 0.5165
1800
1600
1400
1200
1000
800
600
400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

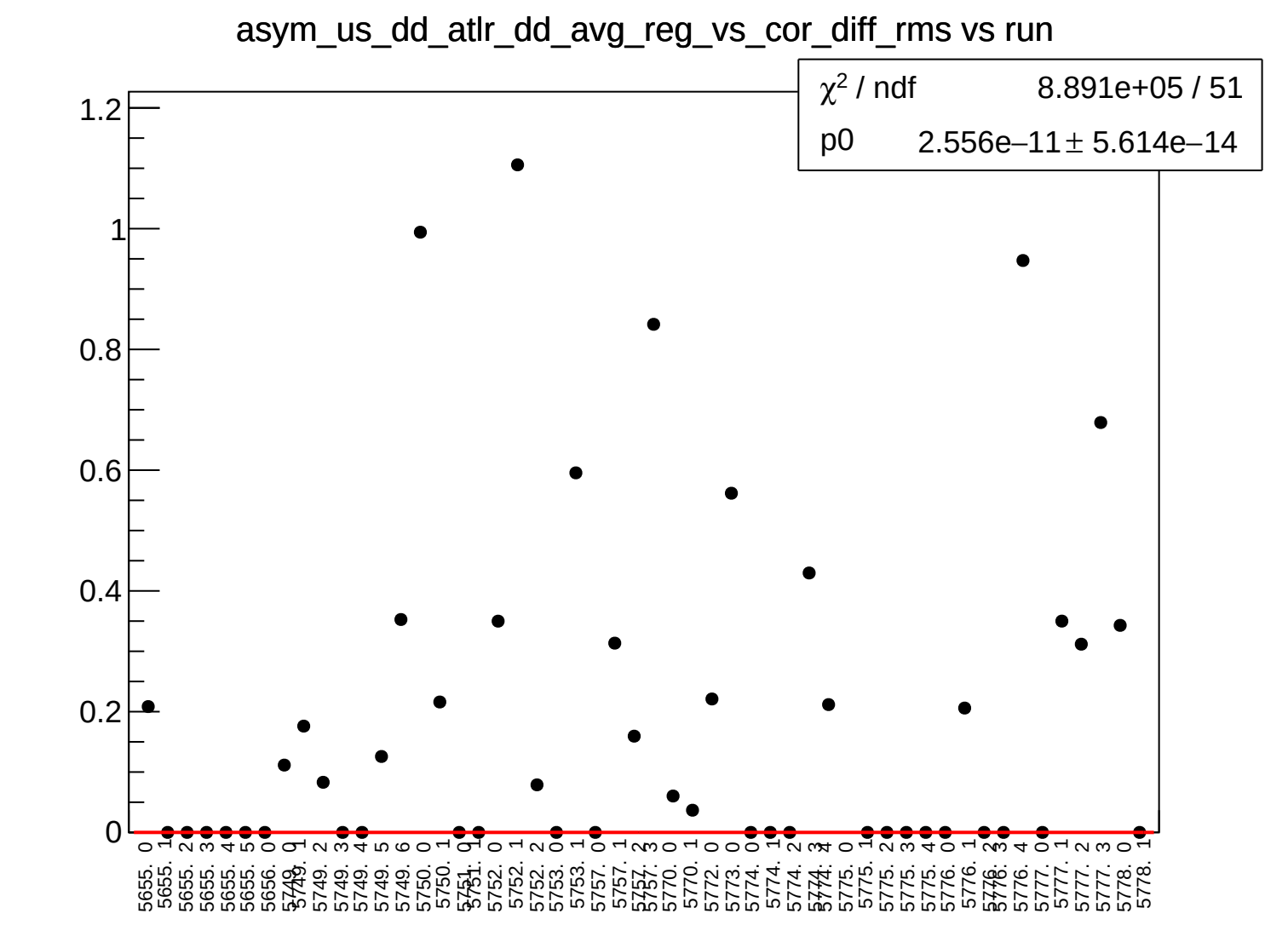

asym_us_dd_atlr_dd_avg_mean vs run
×10^3
χ² / ndf 52.9 / 51
p0 763.4 ± 2665
pull
Entries 52
Mean −89.49
Std Dev 0

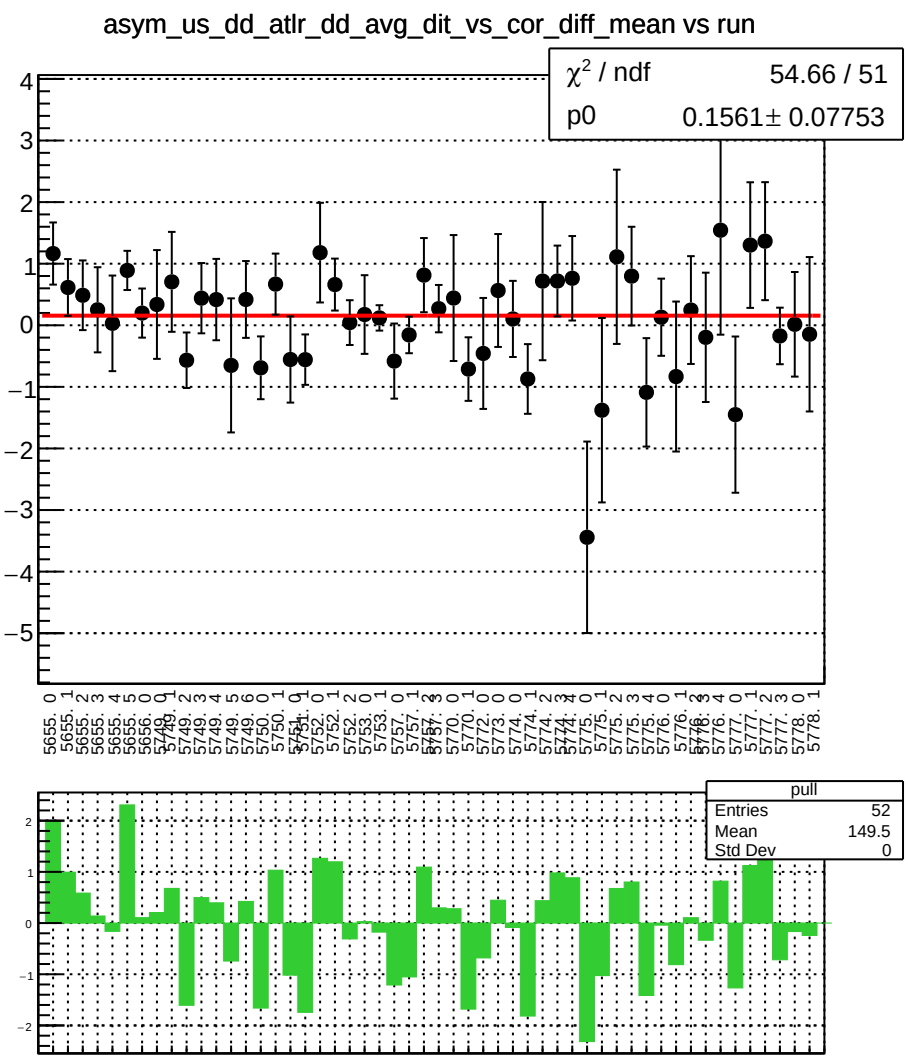

pull1D
Entries 52
Mean −0.01719
Std Dev 1.008

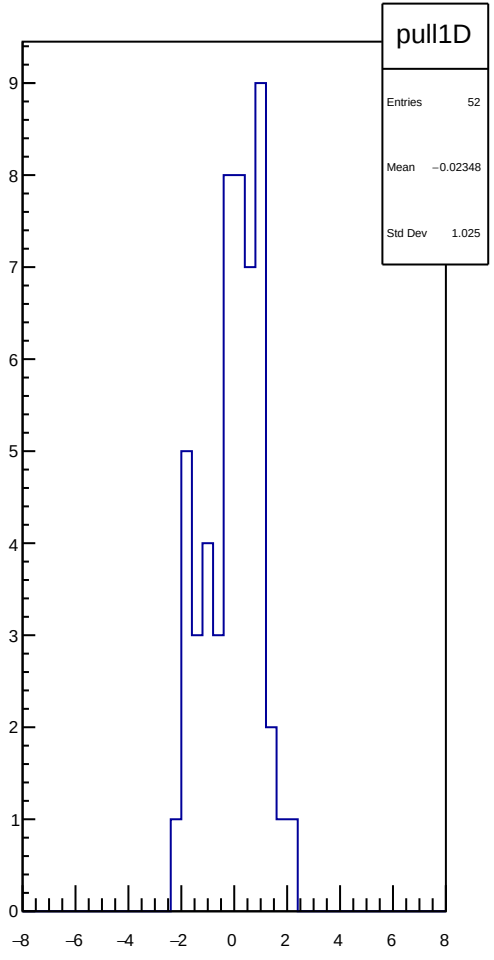

asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 8398 / 51
p0 1966 ± 1.885
2500
2400
2300
2200
2100
2000
1900
1800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

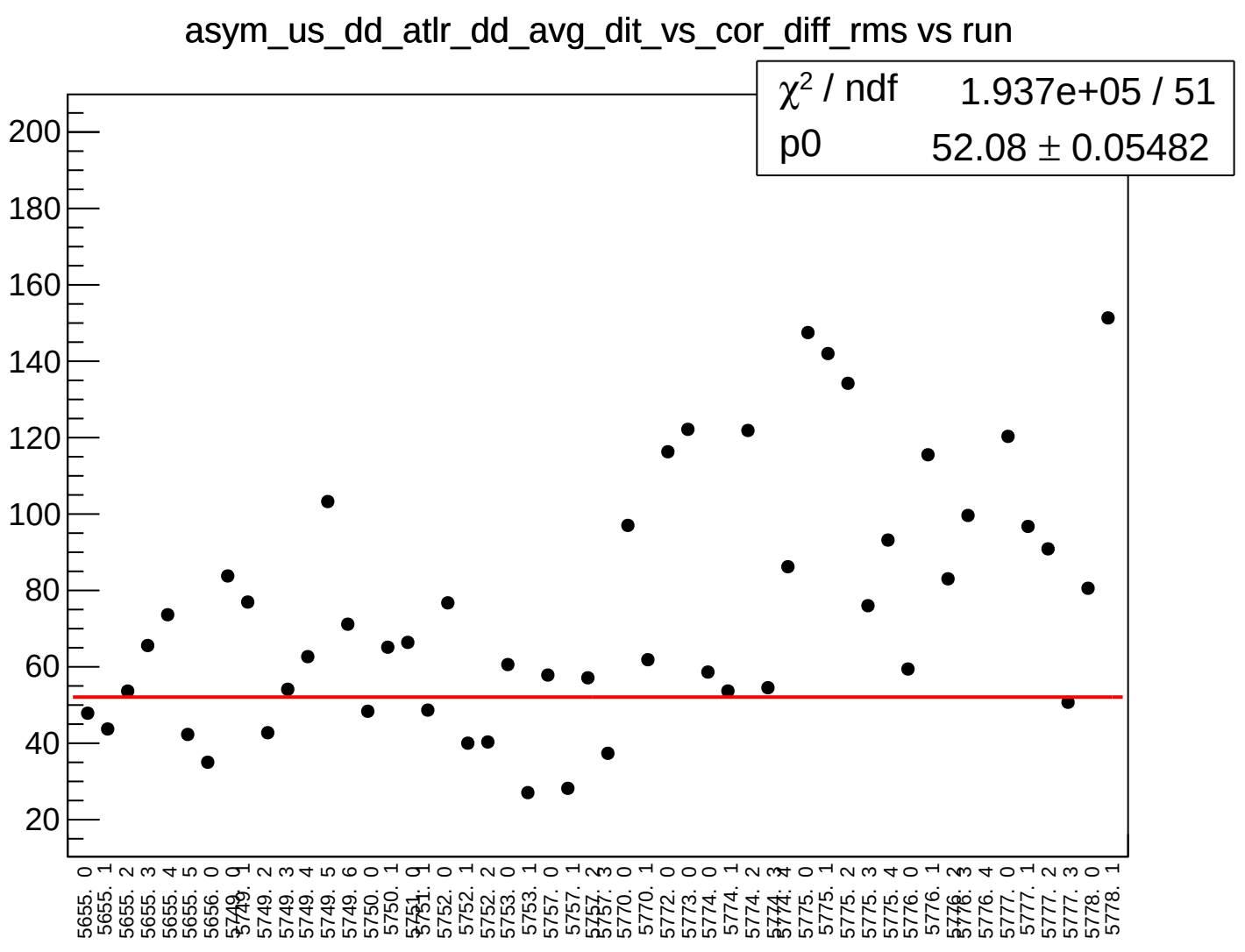

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 54.25 / 51
p0 2.196e−15 ± 7.939e−14
0.025
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 52
Mean 48.11
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

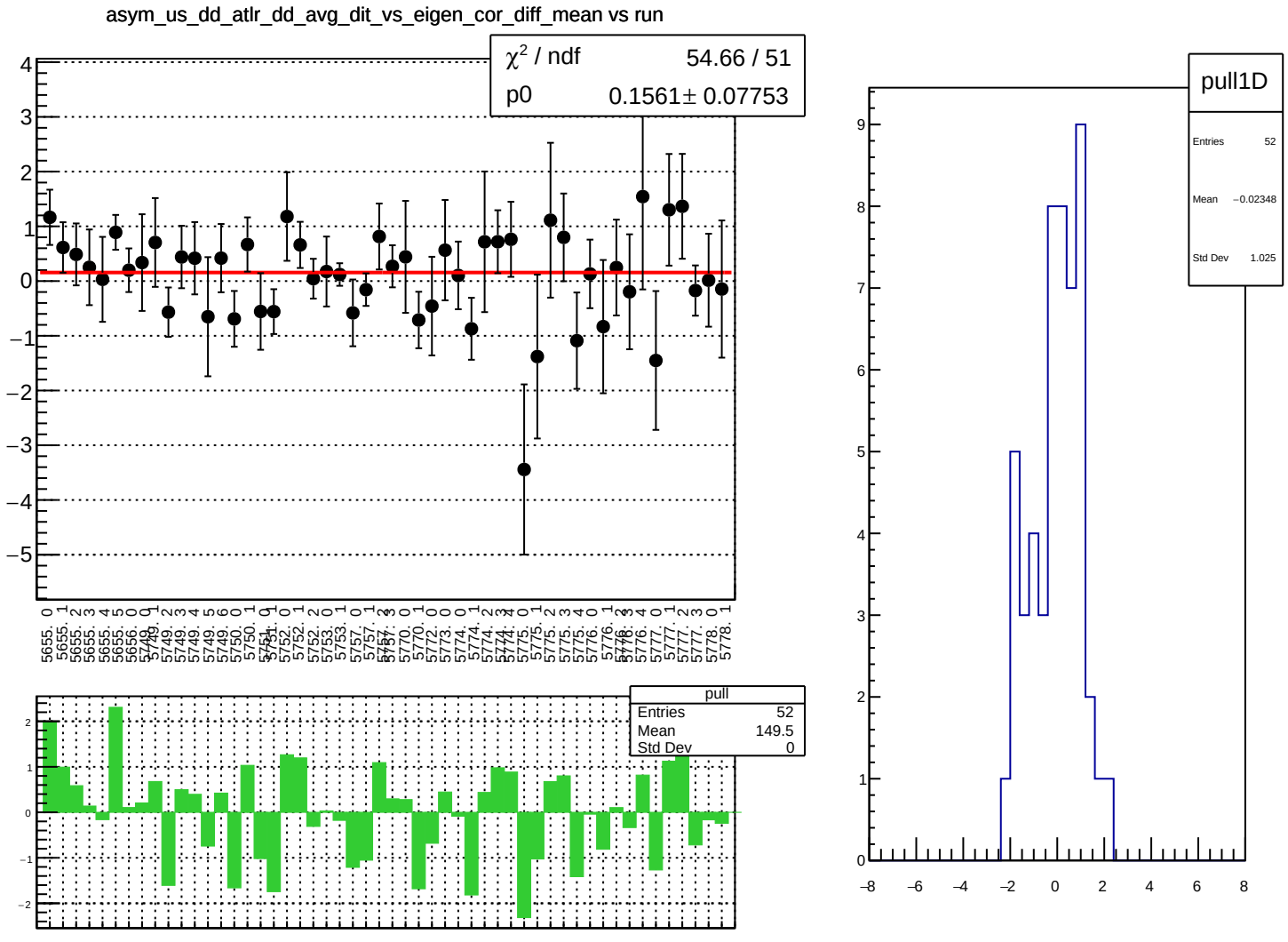

pull1D
Entries 52
Mean −0.07678
Std Dev 1.018
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

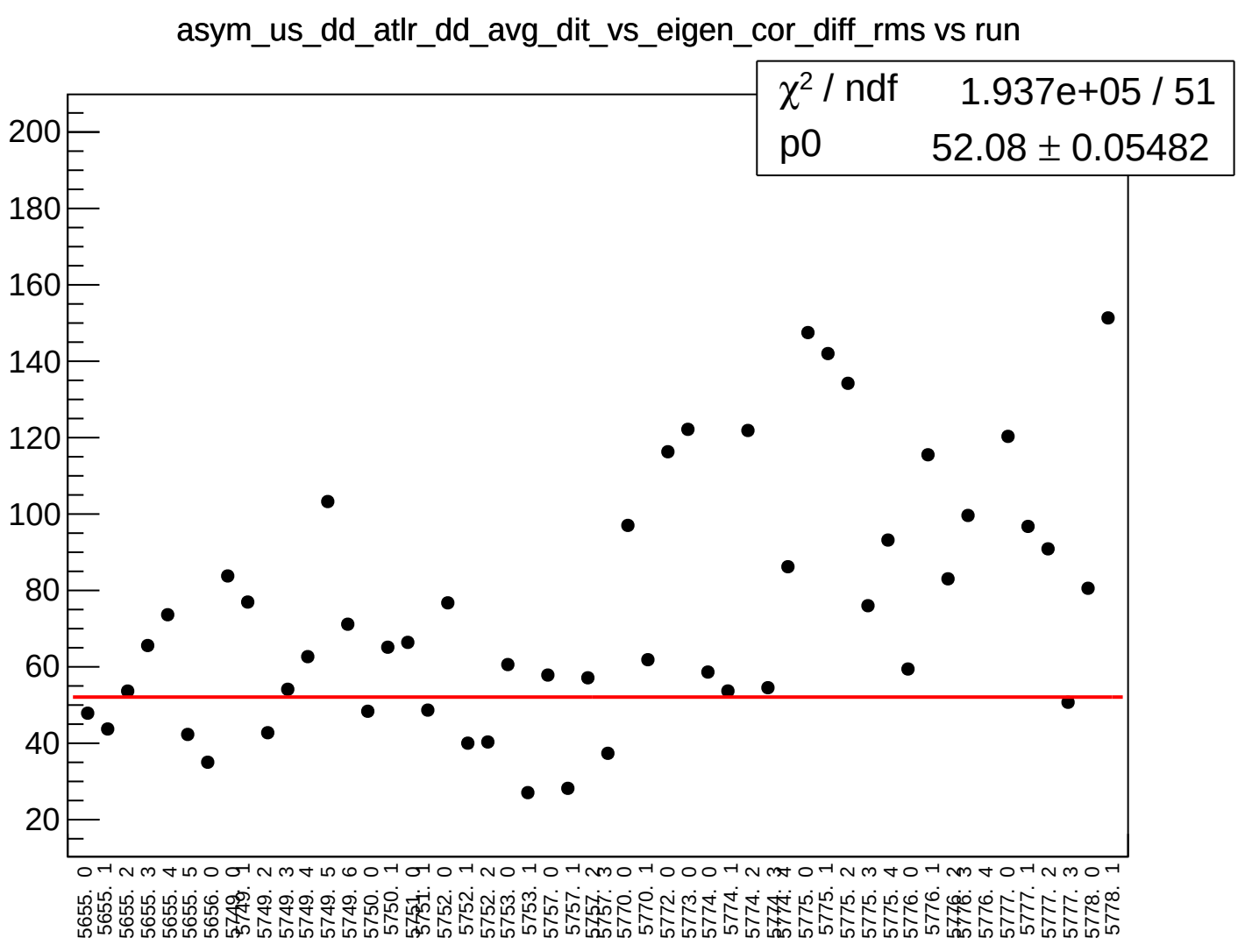

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.891e+05 / 51
p0 2.556e−11 ± 5.614e−14
1.2
1
0.8
0.6
0.4
0.2
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

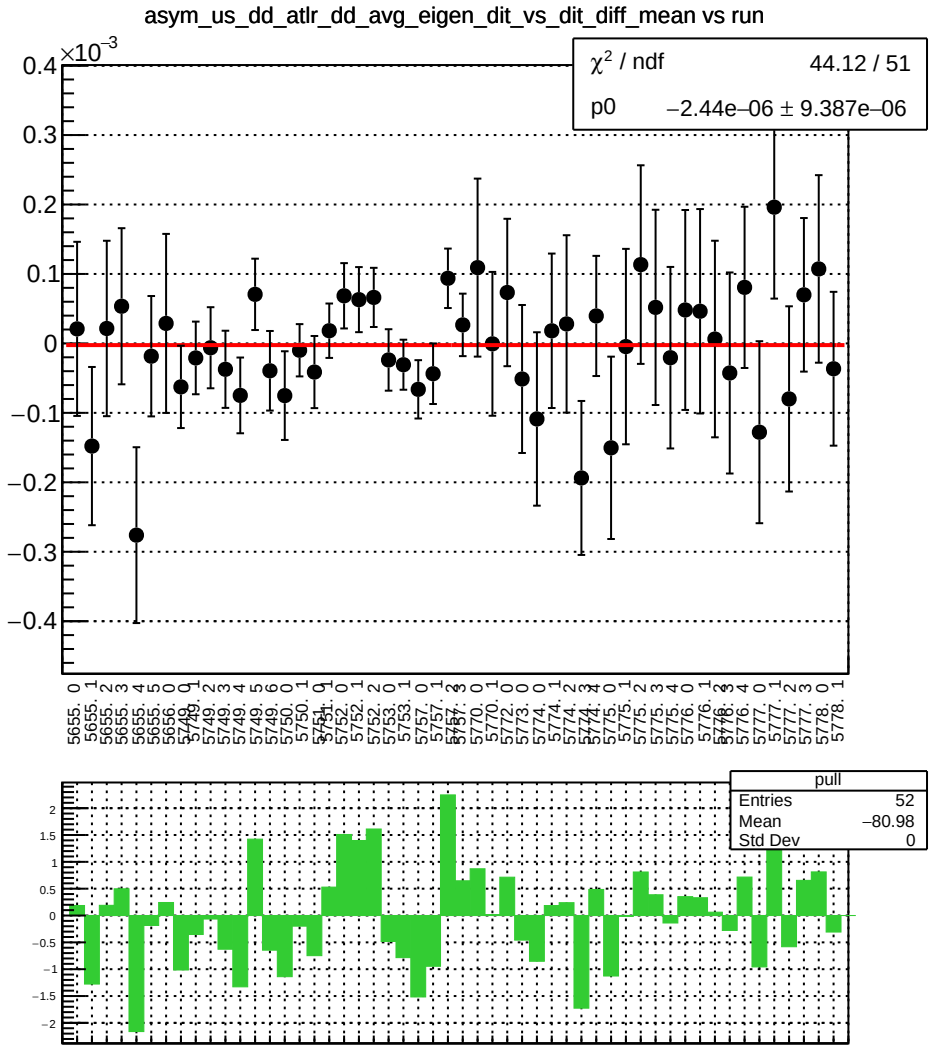

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 54.66 / 51
p0 0.1561± 0.07753
pull
Entries 52
Mean 149.5
Std Dev 0

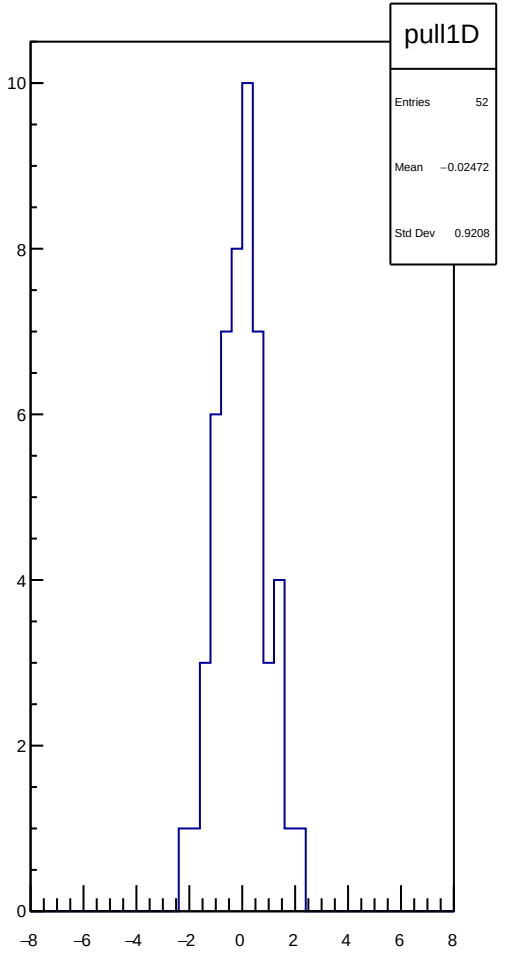

pull1D
Entries 52
Mean −0.02348
Std Dev 1.025

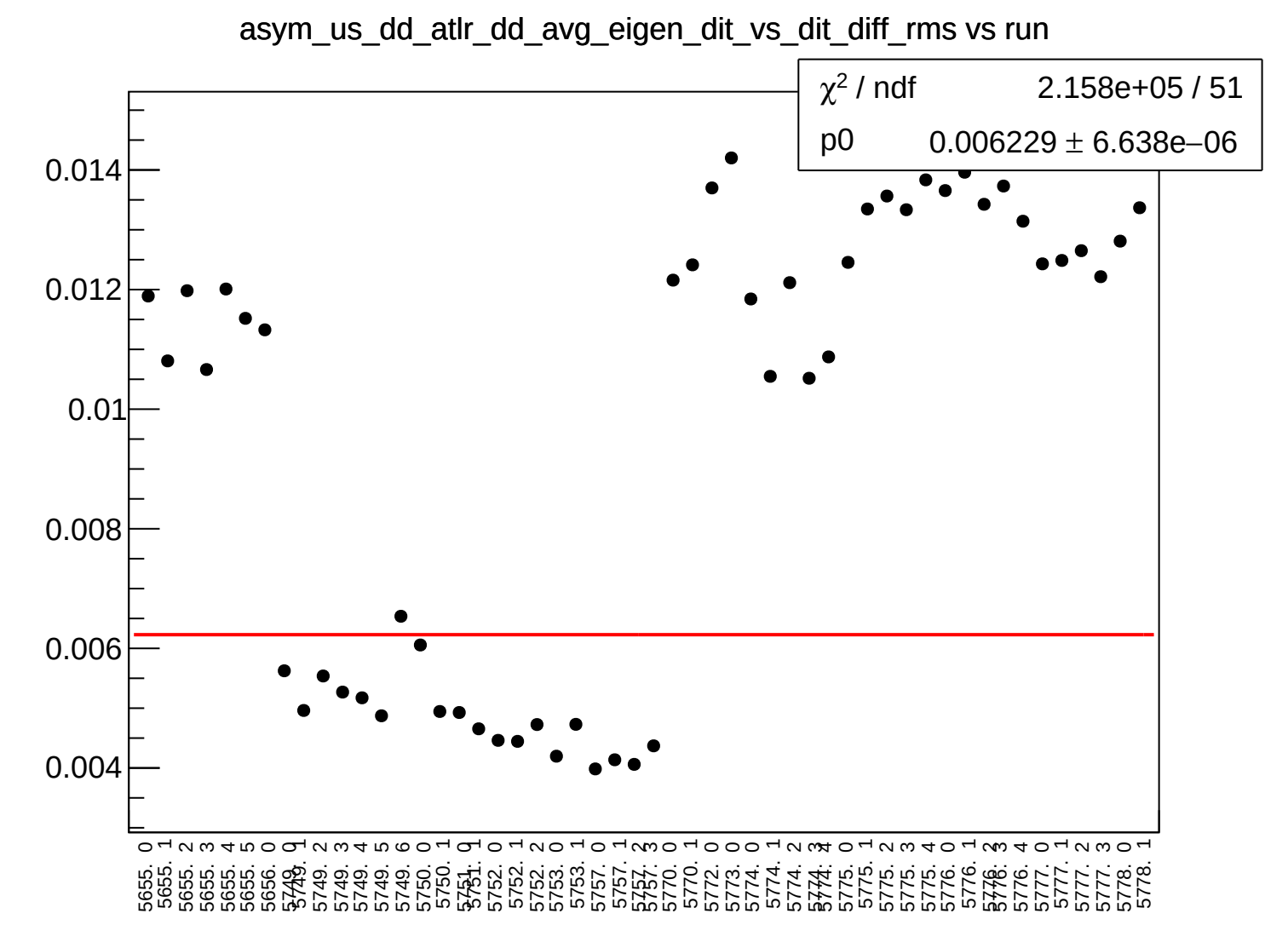

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.937e+05 / 51
p0 52.08 ± 0.05482
200
180
160
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

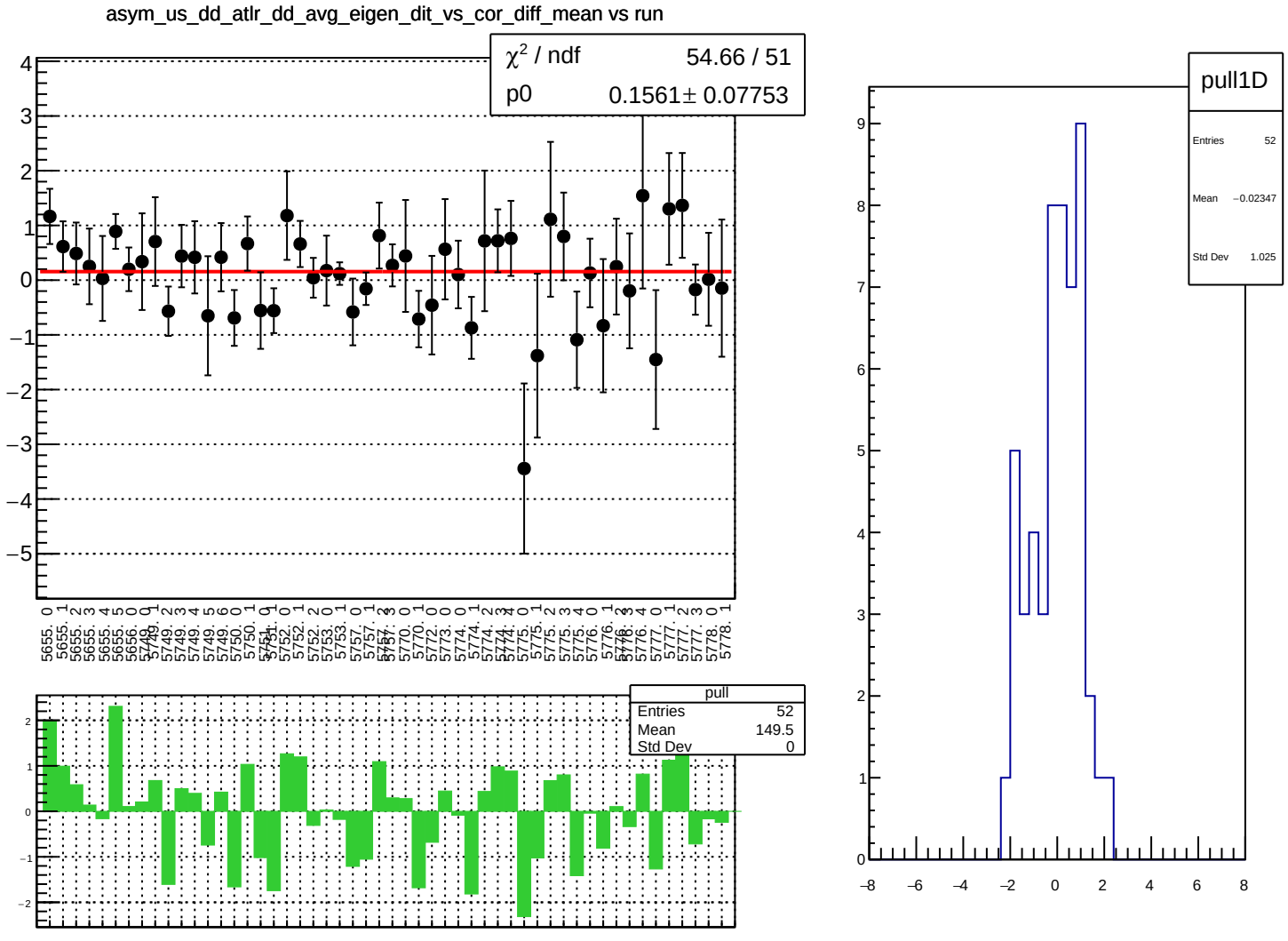

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.66 / 51
p0 0.1561± 0.07753
pull
Entries 52
Mean 149.5
Std Dev 0
pull1D
Entries 52
Mean −0.02348
Std Dev 1.025

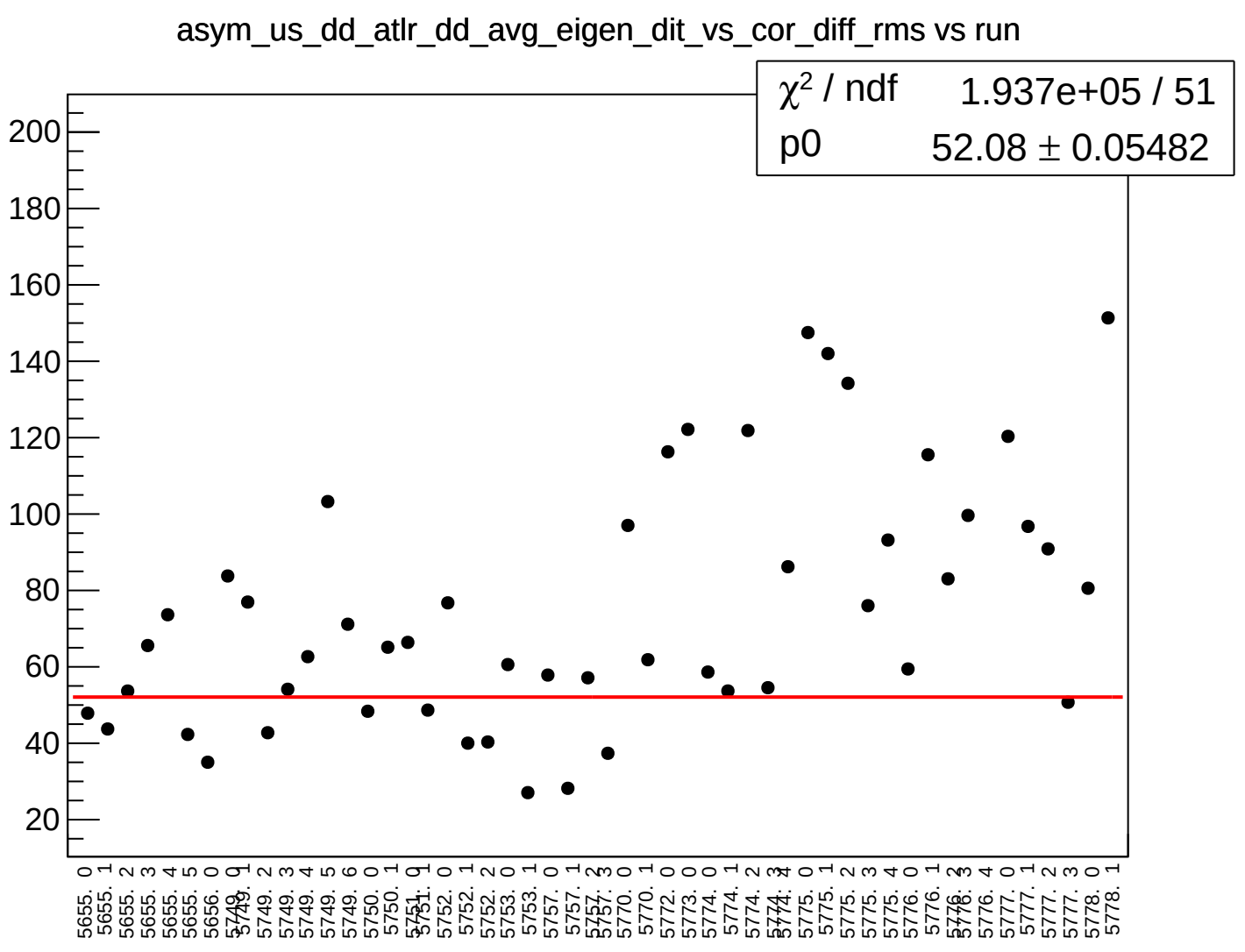

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.937e+05 / 51
p0 52.08 ± 0.05482
200
180
160
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

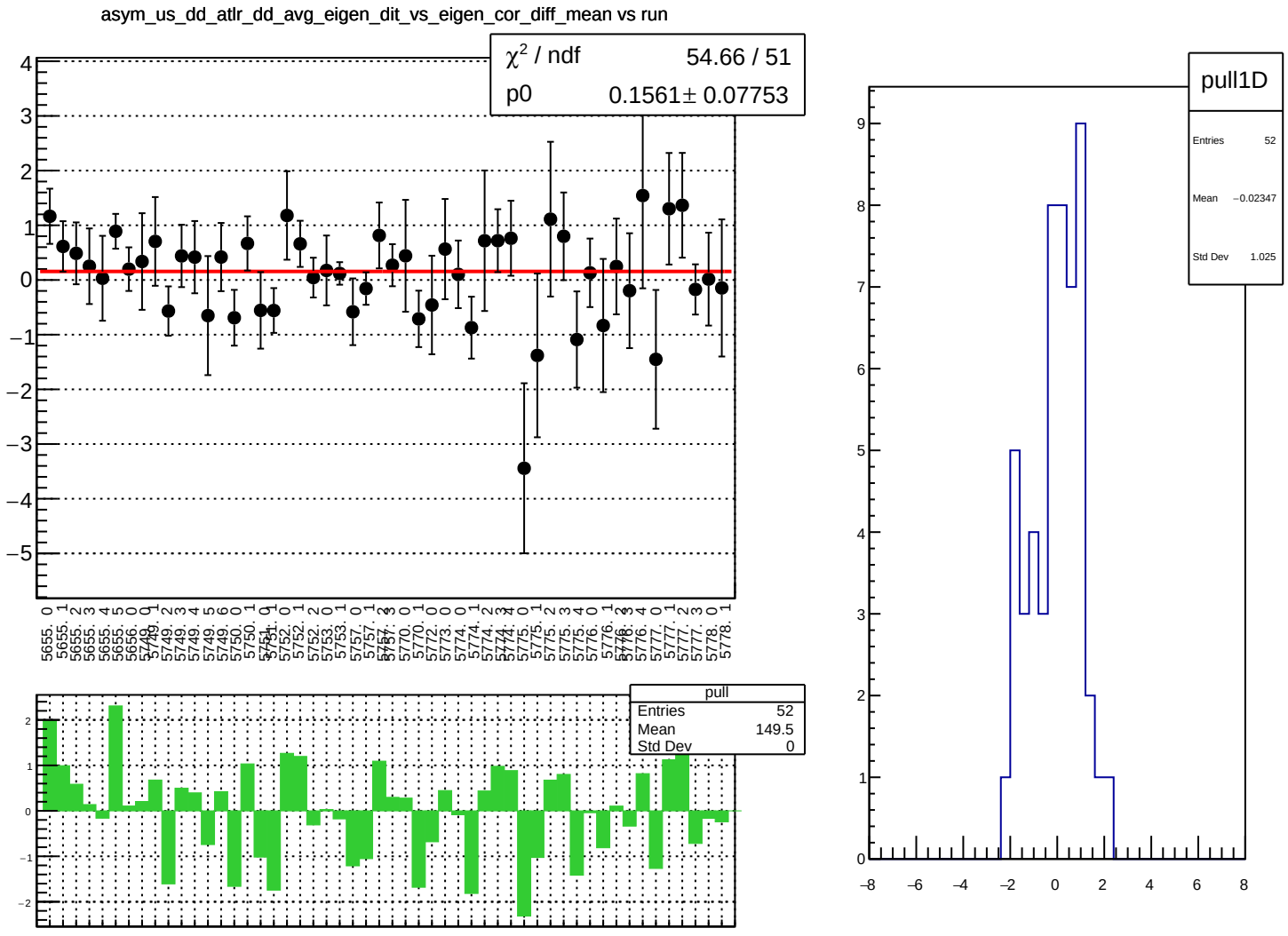

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 44.12 / 51
p0 −2.44e−06 ± 9.387e−06
pull
Entries 52
Mean −80.98
Std Dev 0

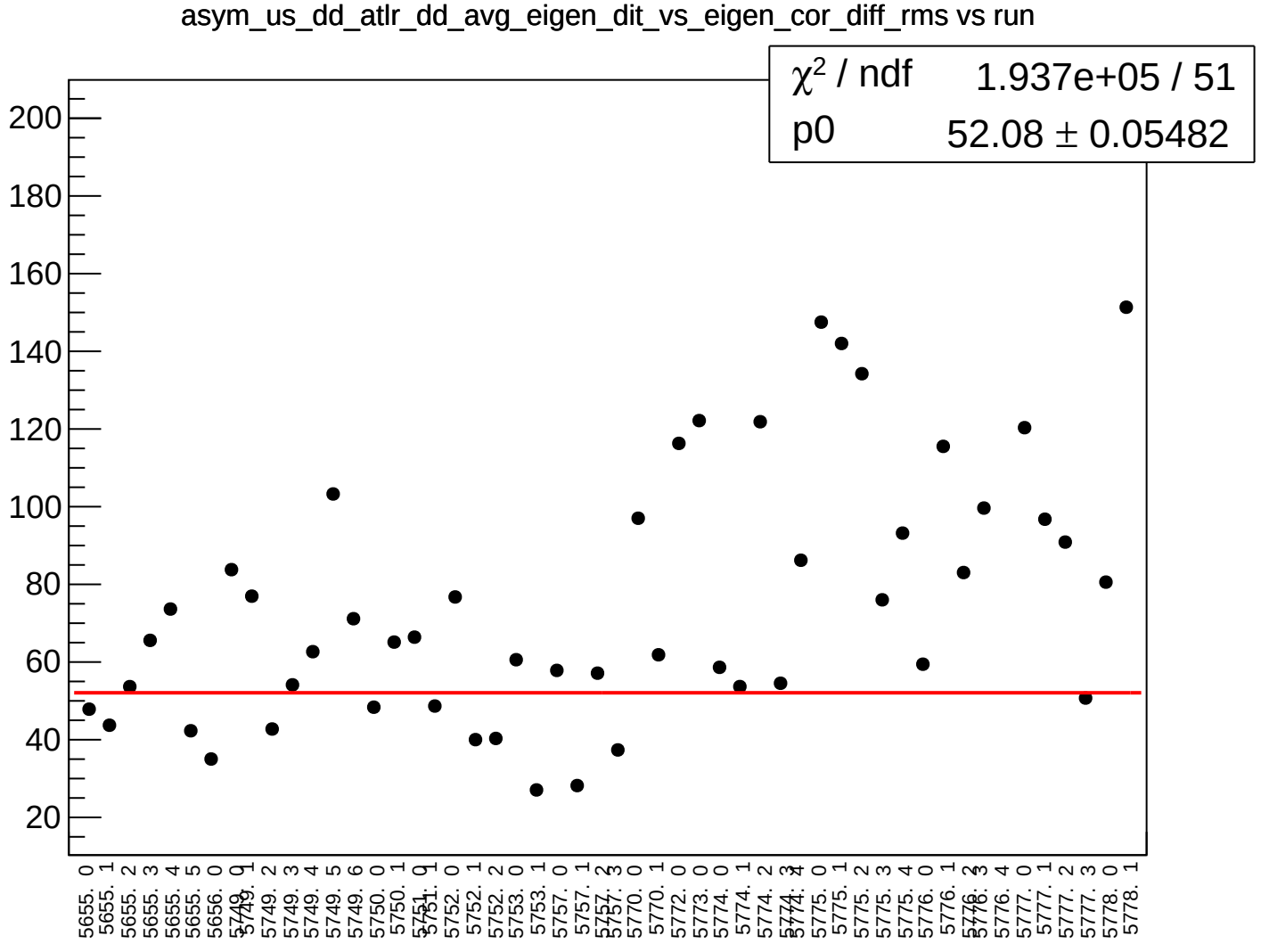

pull1D
Entries 52
Mean −0.02472
Std Dev 0.9208

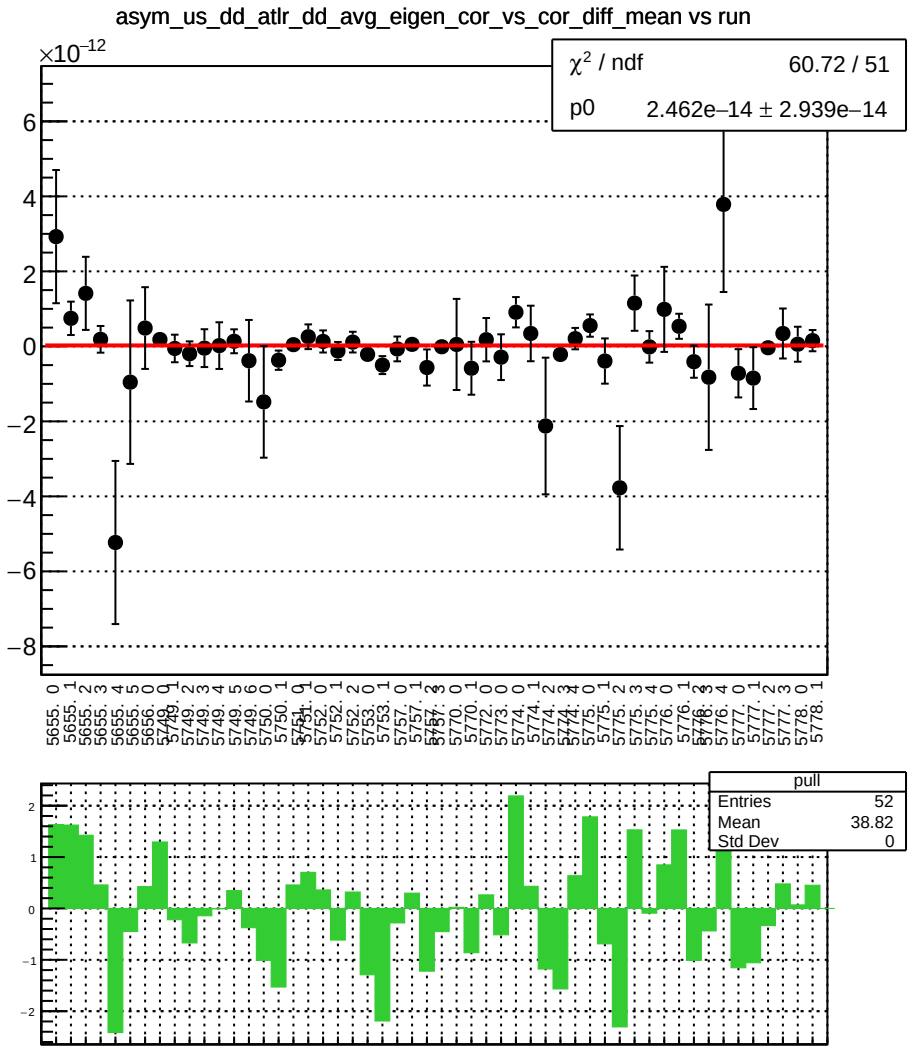

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.158e+05 / 51
p0 0.006229 ± 6.638e−06
0.014
0.012
0.01
0.008
0.006
0.004
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

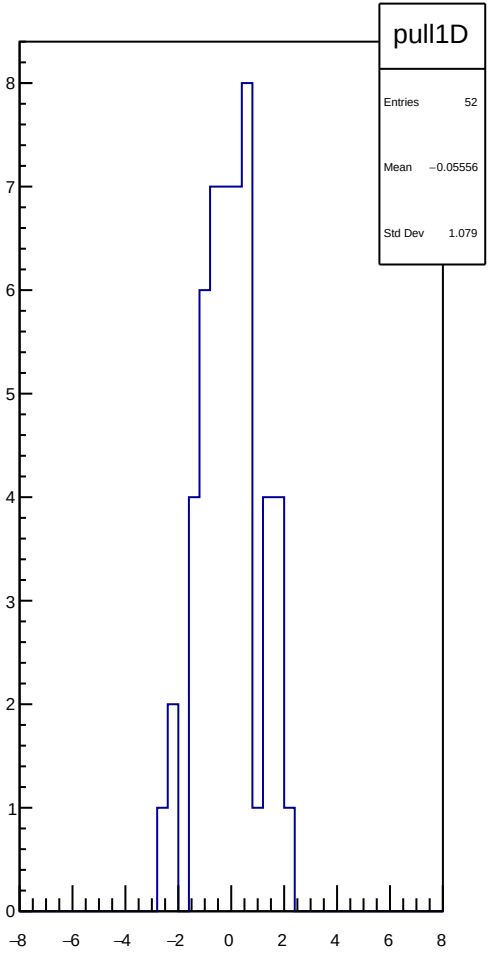

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.66 / 51
p0 0.1561± 0.07753
pull
Entries 52
Mean 149.5
Std Dev 0
pull1D
Entries 52
Mean −0.02347
Std Dev 1.025

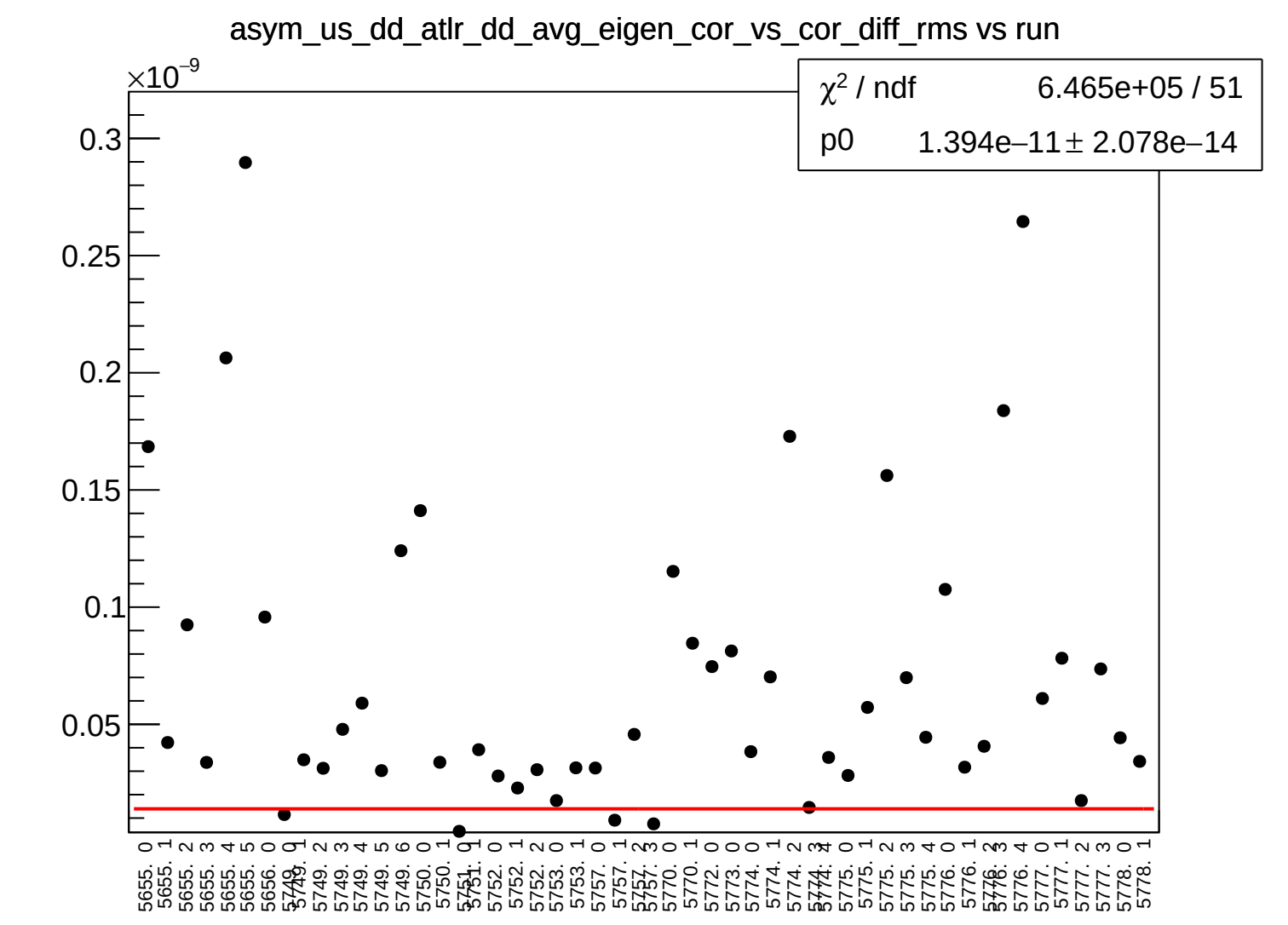

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.937e+05 / 51
p0 52.08 ± 0.05482
200
180
160
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

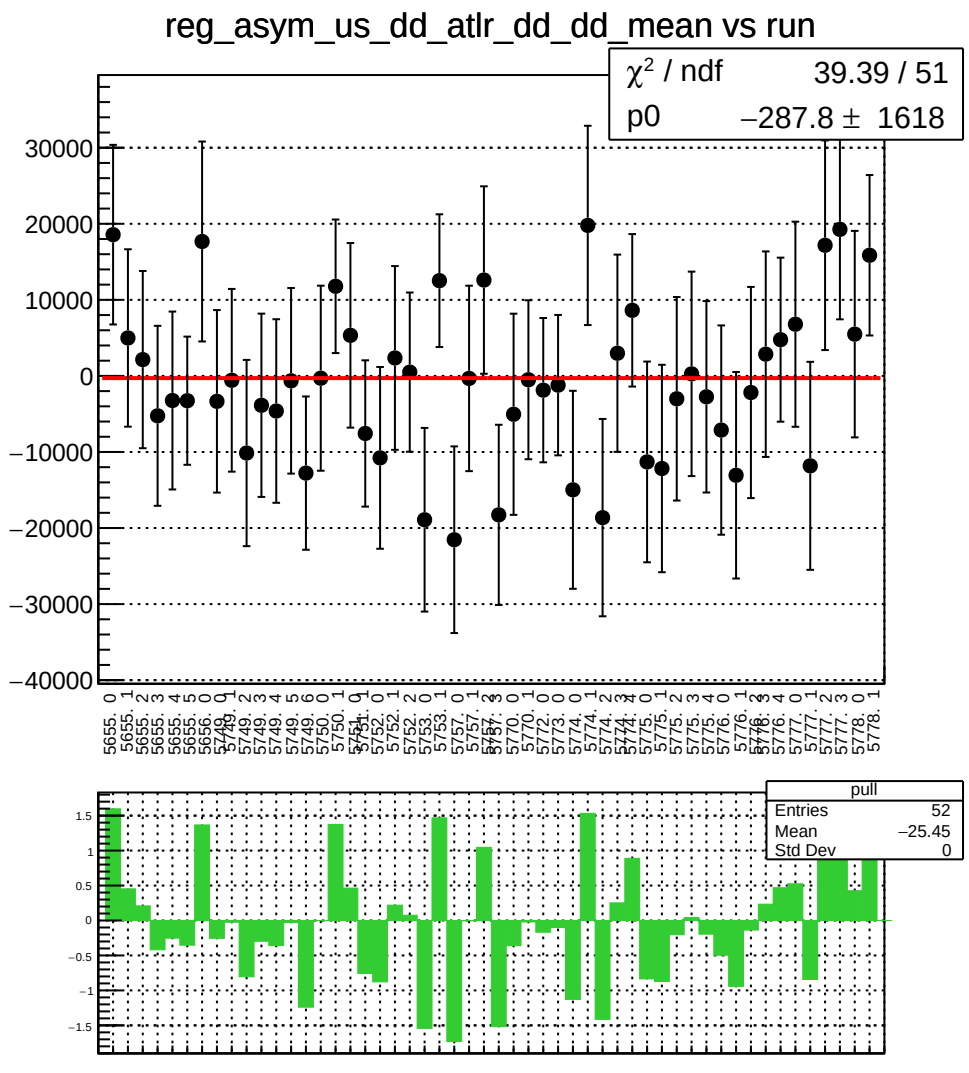

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.66 / 51
p0 0.1561± 0.07753
pull
Entries 52
Mean 149.5
Std Dev 0
pull1D
Entries 52
Mean −0.02347
Std Dev 1.025

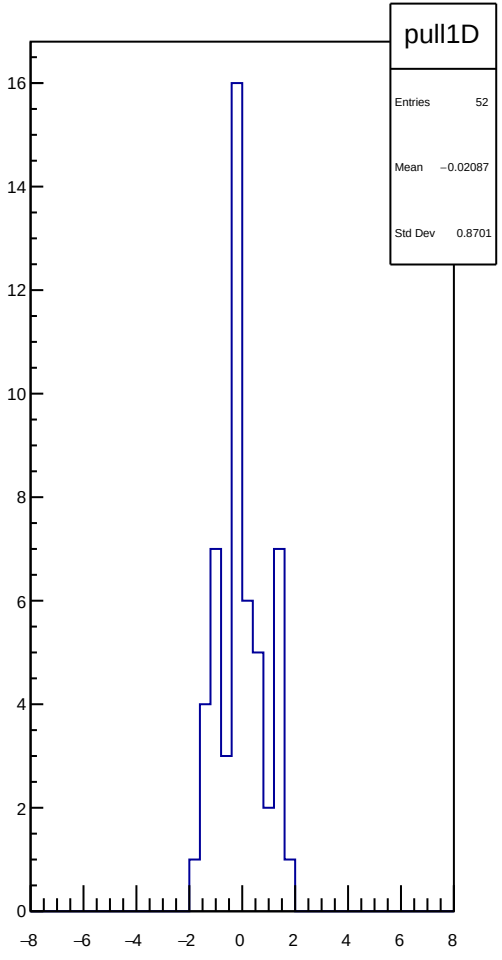

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.937e+05 / 51
p0 52.08 ± 0.05482
200
180
160
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

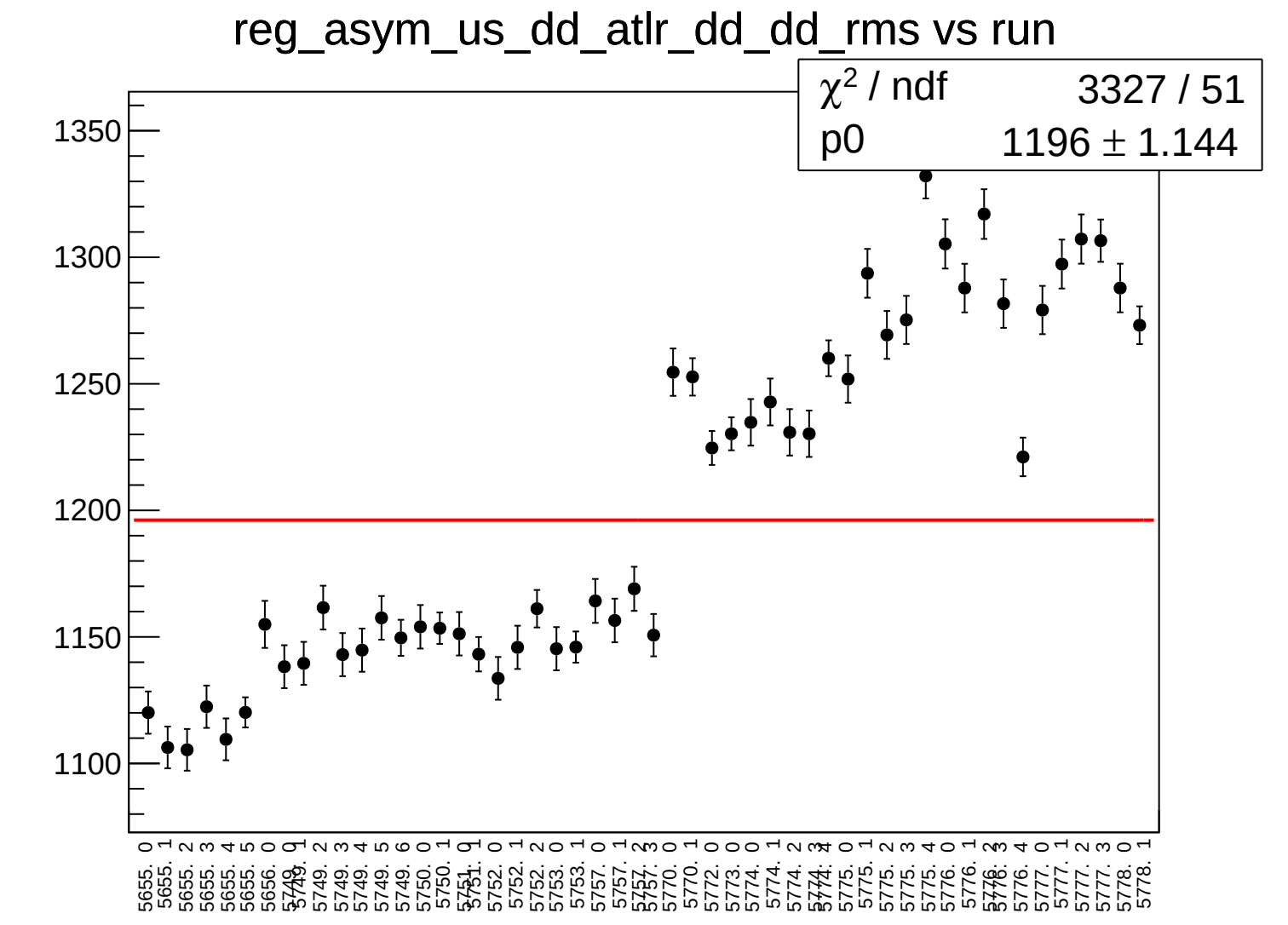

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 60.72 / 51
p0 2.462e−14 ± 2.939e−14
pull
Entries 52
Mean 38.82
Std Dev 0

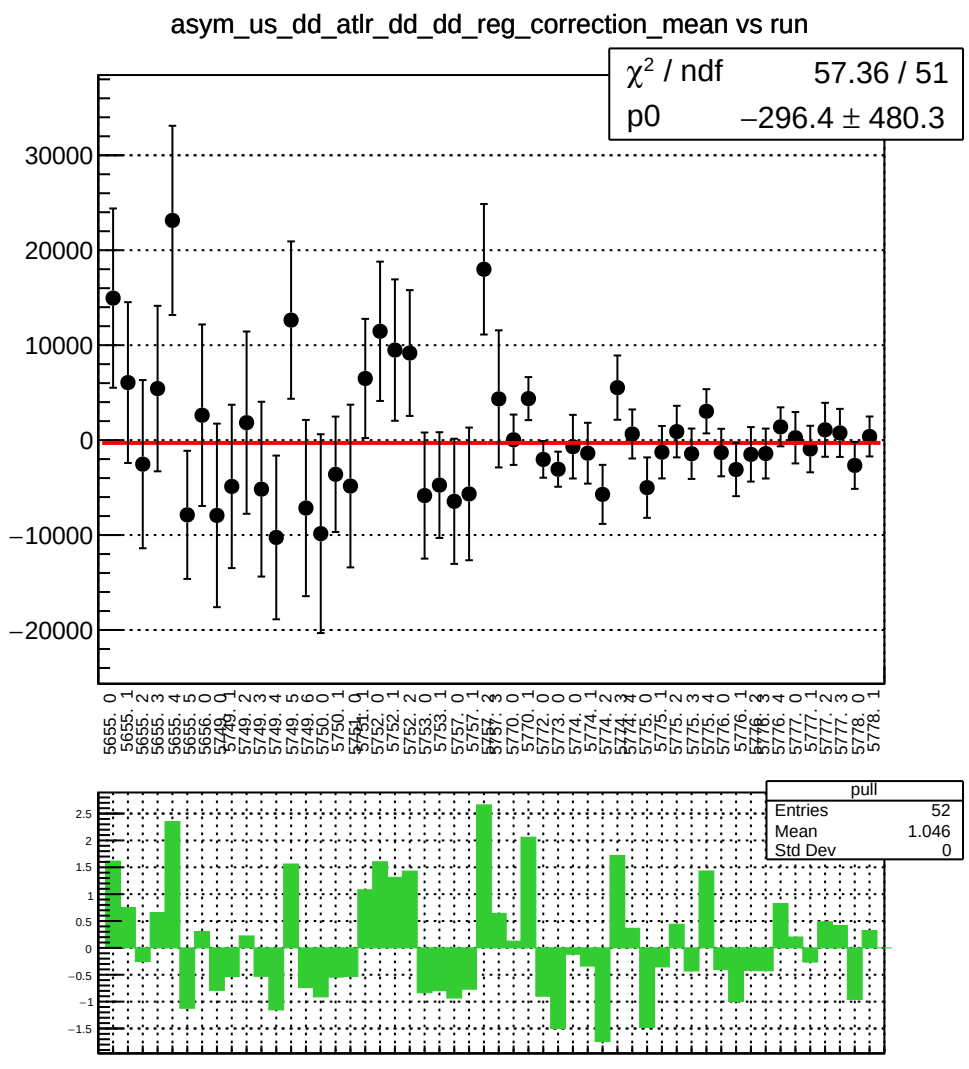

pull1D
Entries 52
Mean −0.05556
Std Dev 1.079

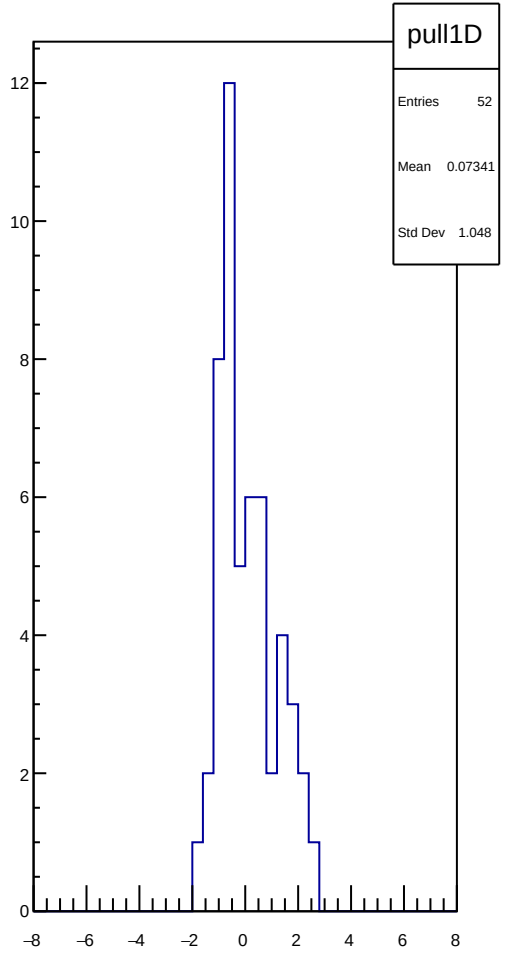

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.465e+05 / 51
p0 1.394e−11 ± 2.078e−14
0.3
0.25
0.2
0.15
0.1
0.05
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

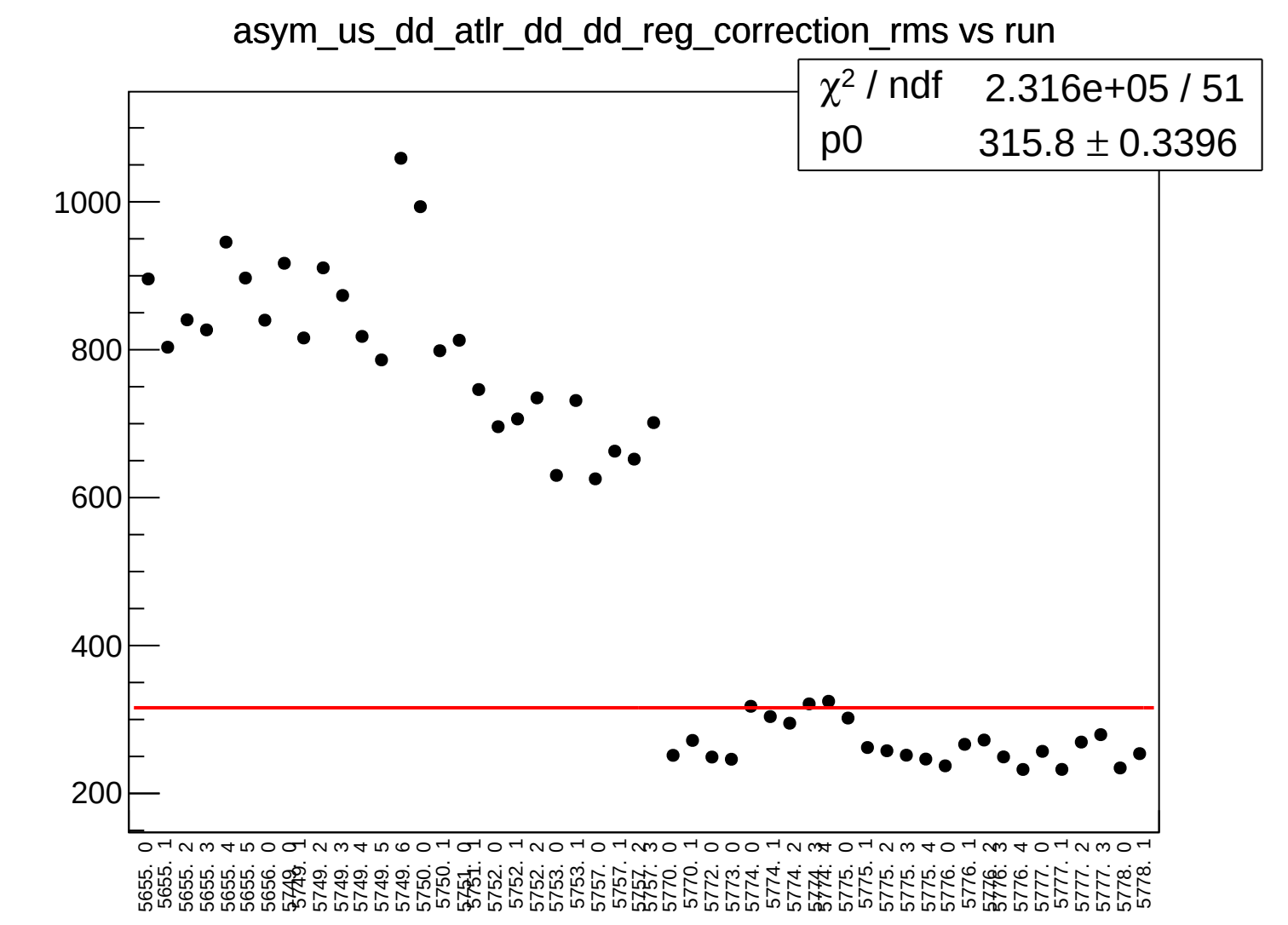

reg_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 39.39 / 51
p0 −287.8 ± 1618
pull
Entries 52
Mean −25.45
Std Dev 0

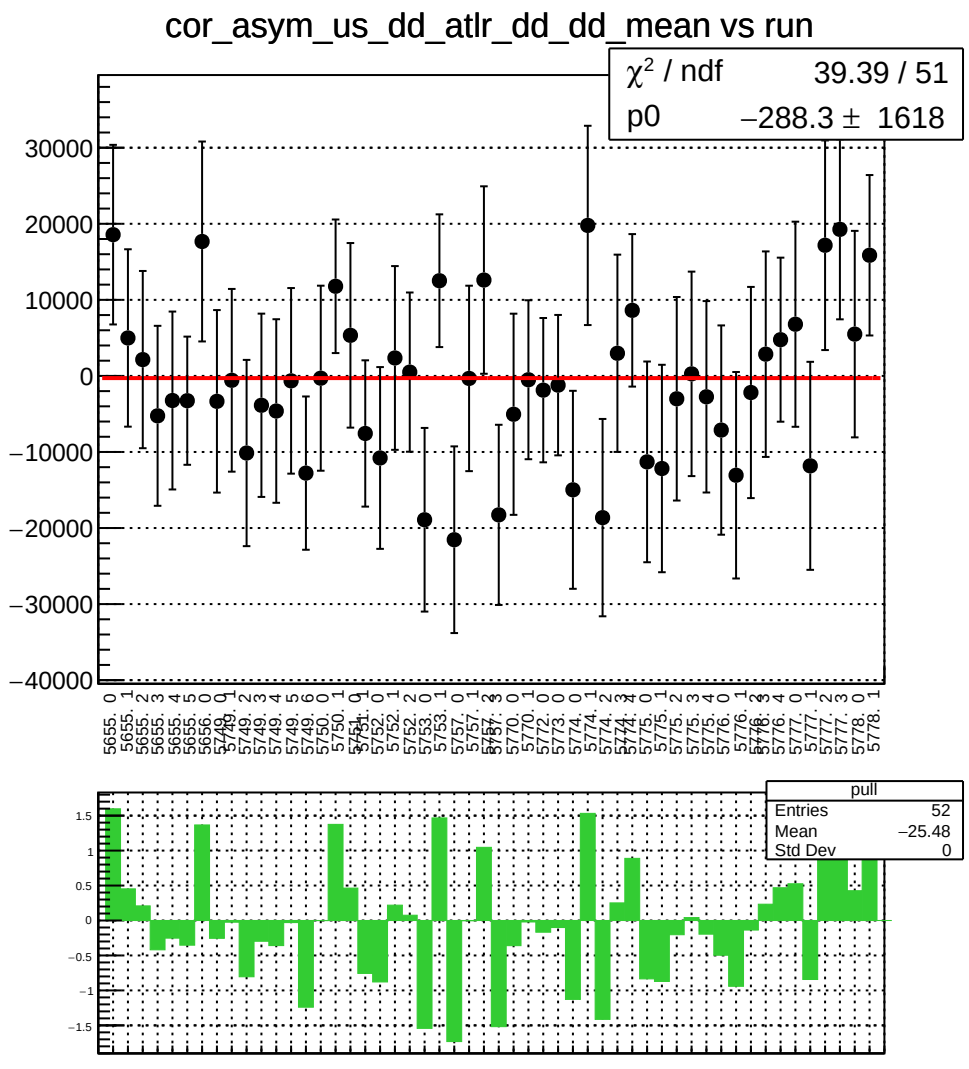

pull1D
Entries 52
Mean −0.02087
Std Dev 0.8701

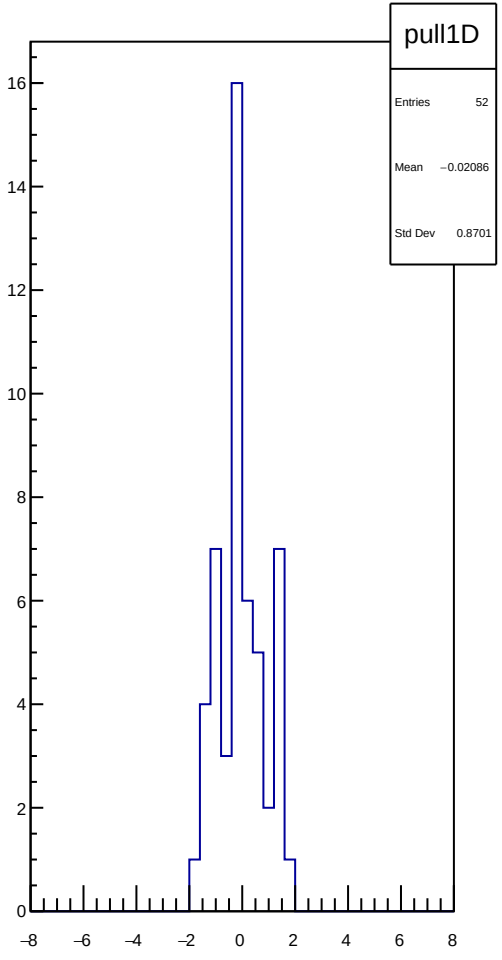

reg_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 3327 / 51
p0 1196 ± 1.144
1350
1300
1250
1200
1150
1100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

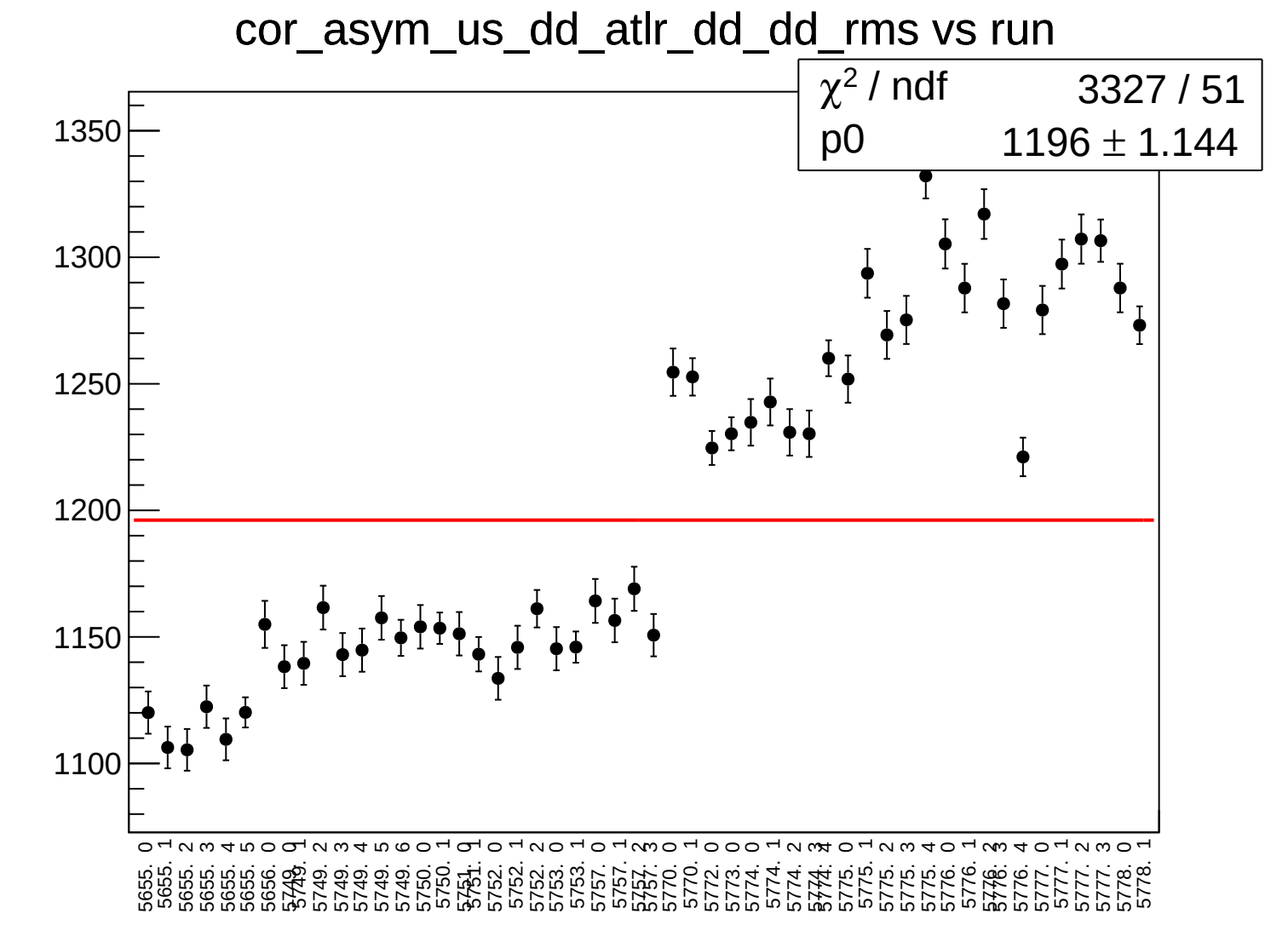

asym_us_dd_atlr_dd_dd_reg_correction_mean vs run
χ² / ndf 57.36 / 51
p0 −296.4 ± 480.3
30000
20000
10000
0
−10000
−20000
pull
Entries 52
Mean 1.046
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

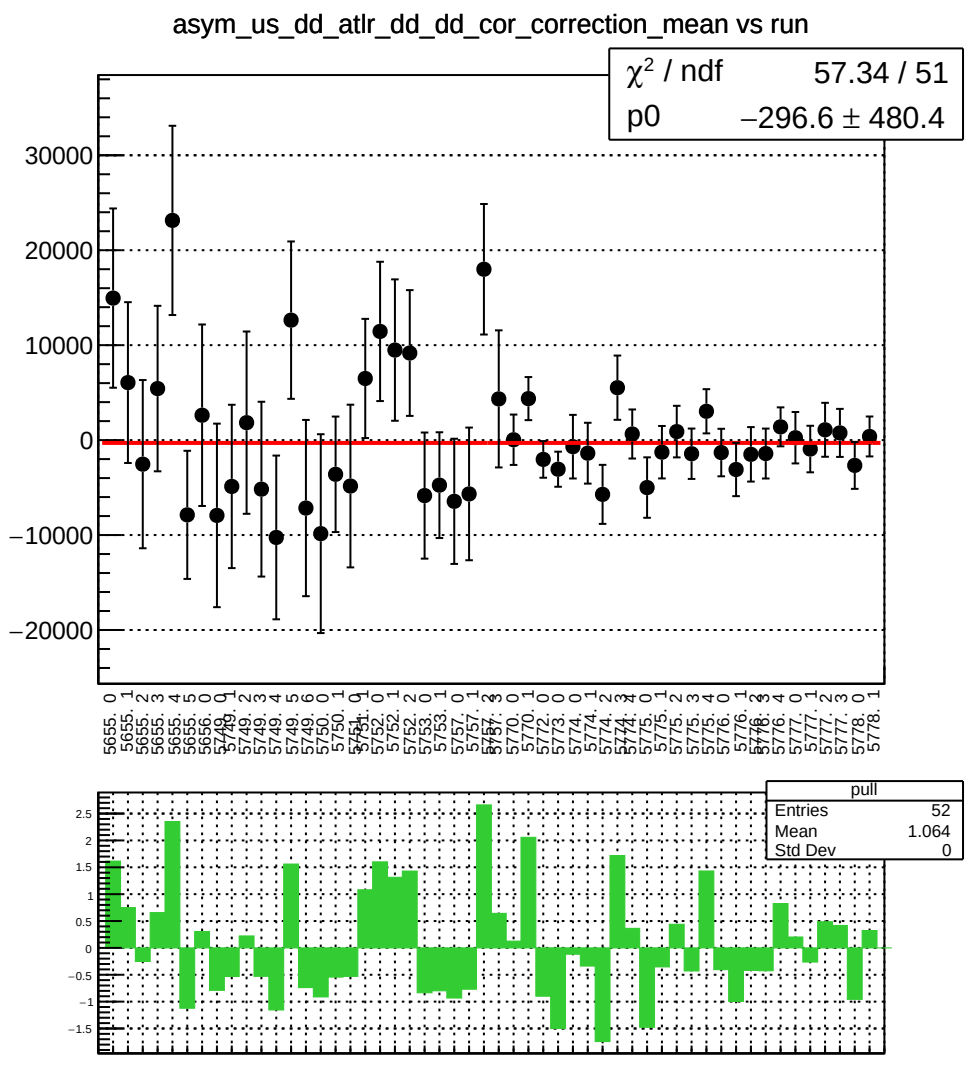

pull1D
Entries 52
Mean 0.07341
Std Dev 1.048
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

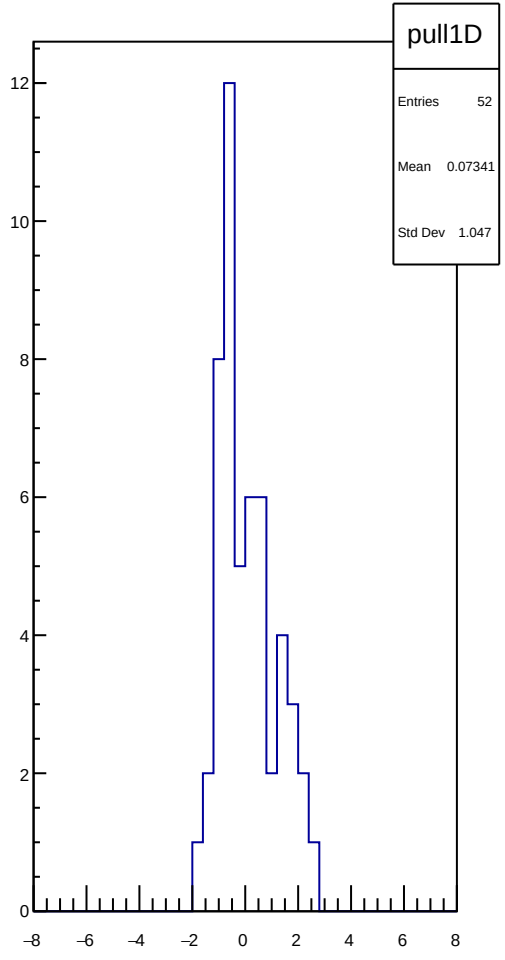

asym_us_dd_atlr_dd_dd_reg_correction_rms vs run
χ² / ndf 2.316e+05 / 51
p0 315.8 ± 0.3396
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

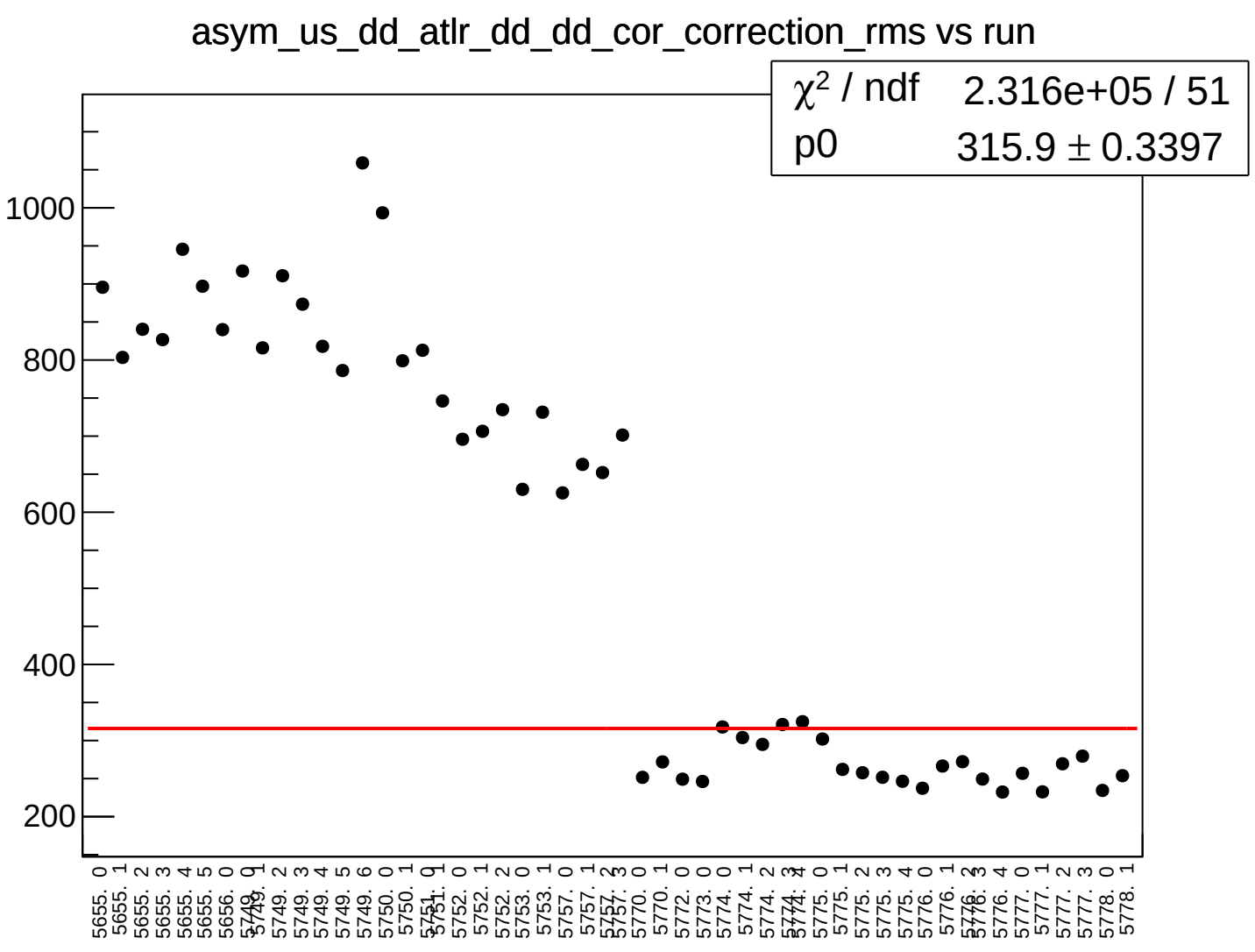

cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 39.39 / 51
p0 −288.3 ± 1618
pull
Entries 52
Mean −25.48
Std Dev 0

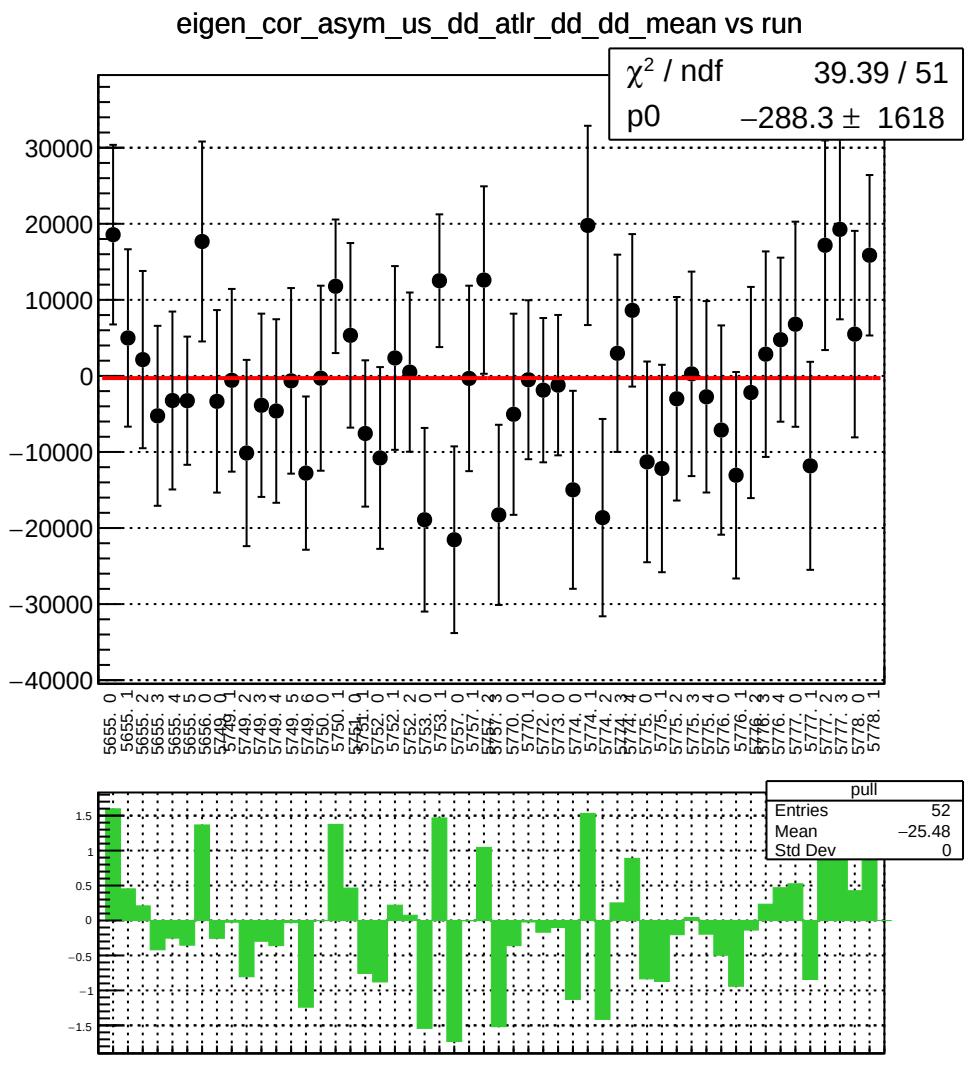

pull1D
Entries 52
Mean −0.02086
Std Dev 0.8701

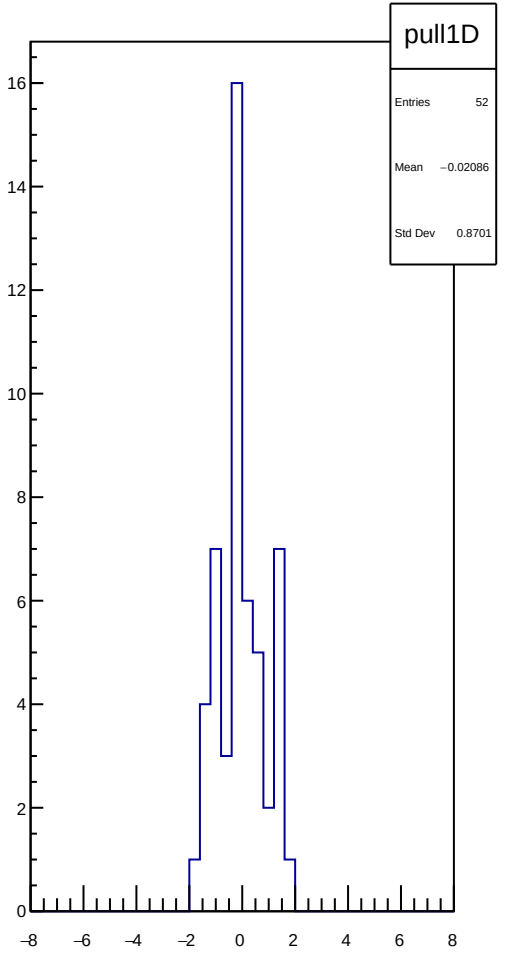

cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 3327 / 51
p0 1196 ± 1.144
1350
1300
1250
1200
1150
1100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

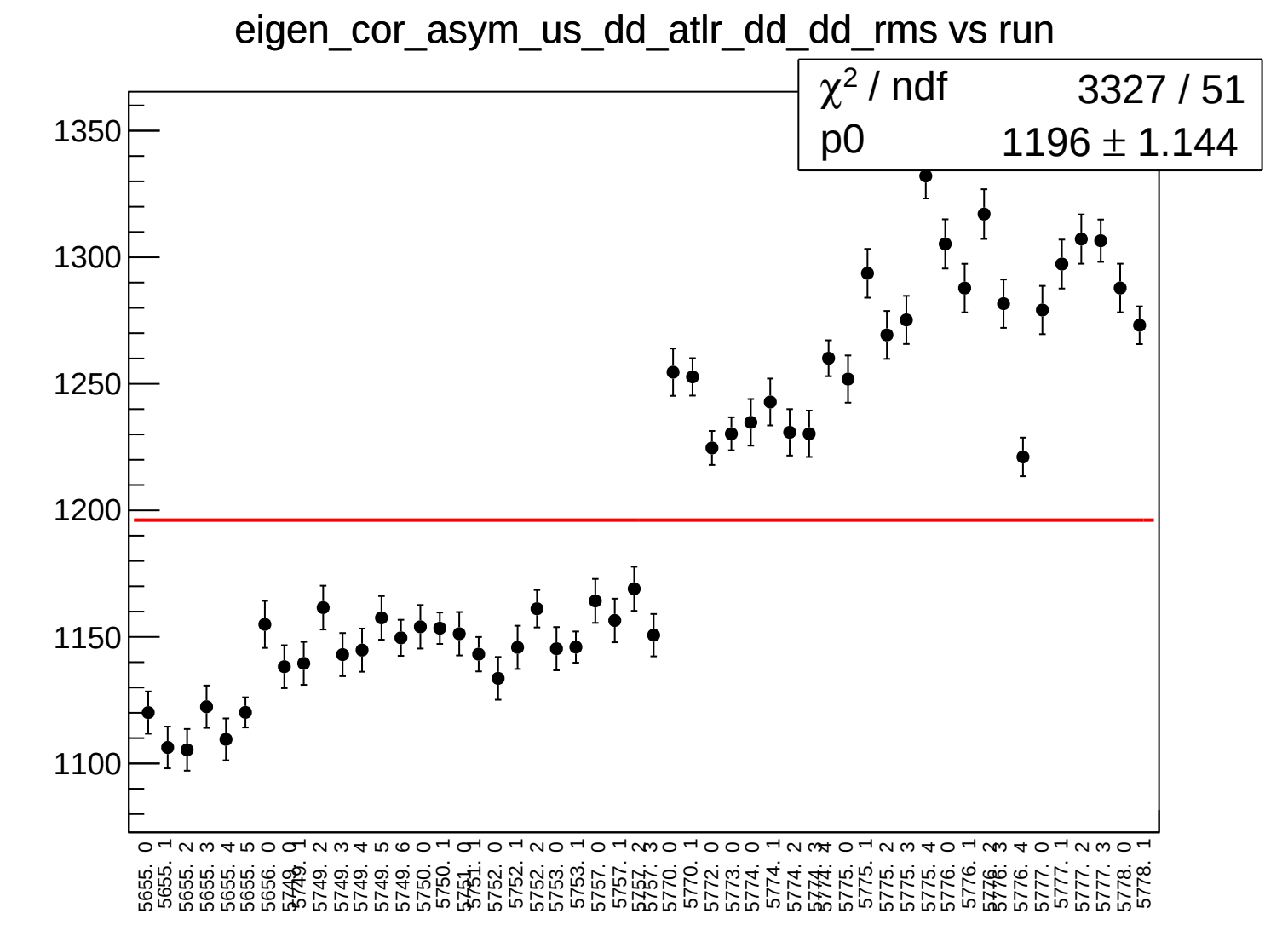

asym_us_dd_atlr_dd_dd_cor_correction_mean vs run
χ² / ndf 57.34 / 51
p0 −296.6 ± 480.4
30000
20000
10000
0
−10000
−20000
pull
Entries 52
Mean 1.064
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

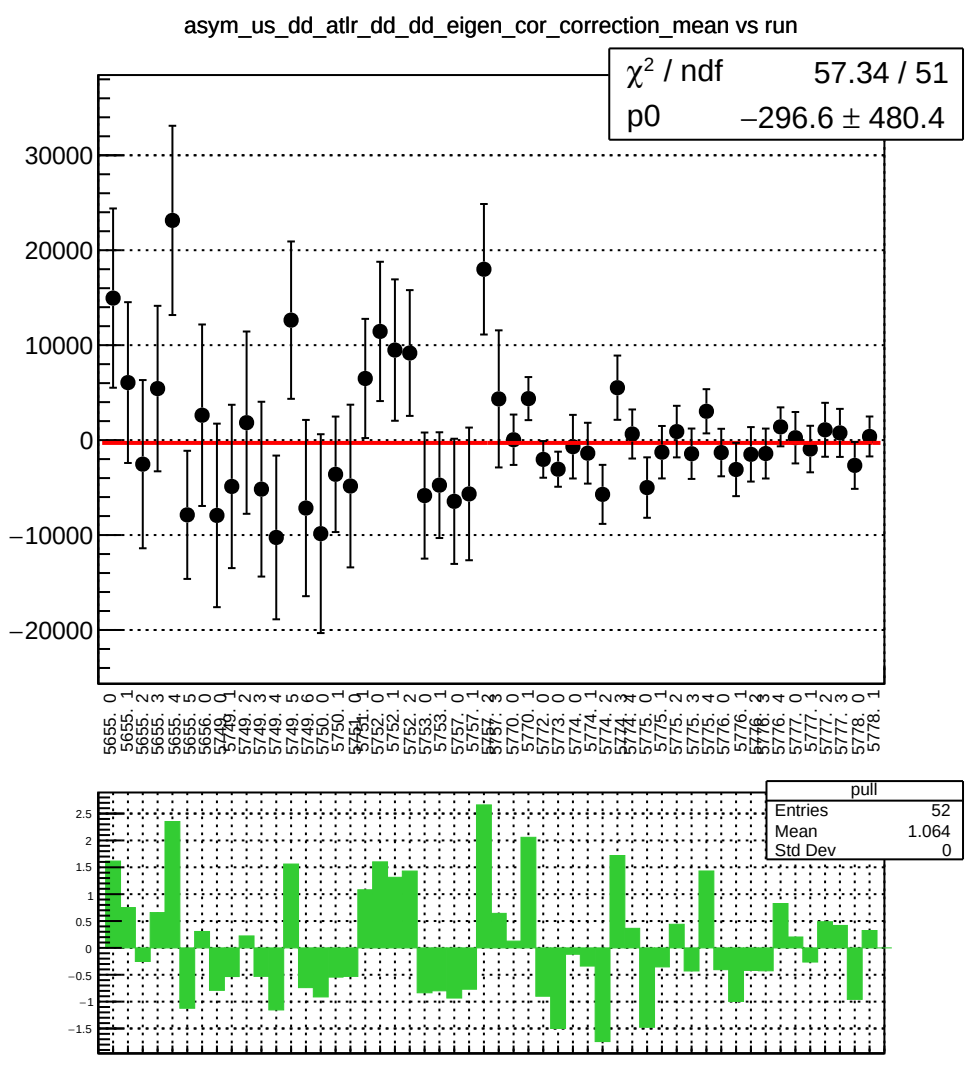

pull1D
Entries 52
Mean 0.07341
Std Dev 1.047
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

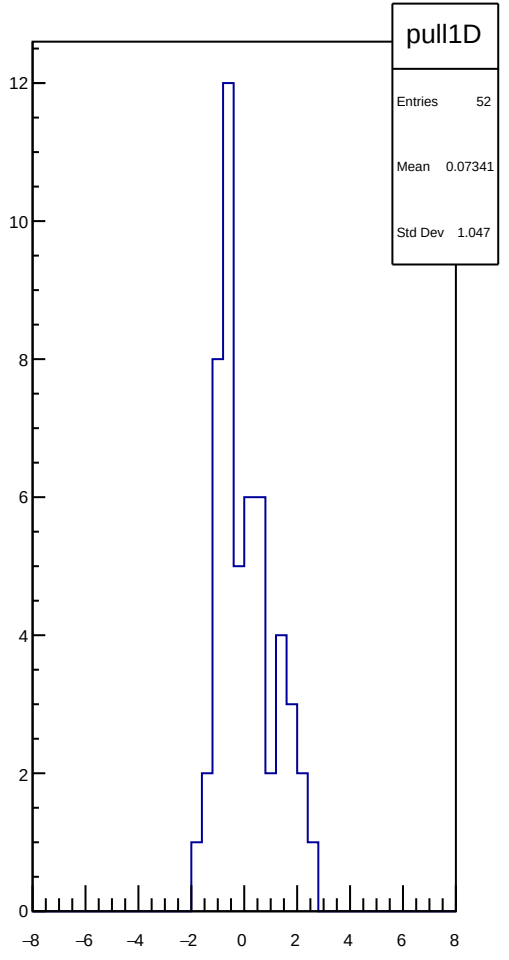

asym_us_dd_atlr_dd_dd_cor_correction_rms vs run
χ² / ndf 2.316e+05 / 51
p0 315.9 ± 0.3397
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

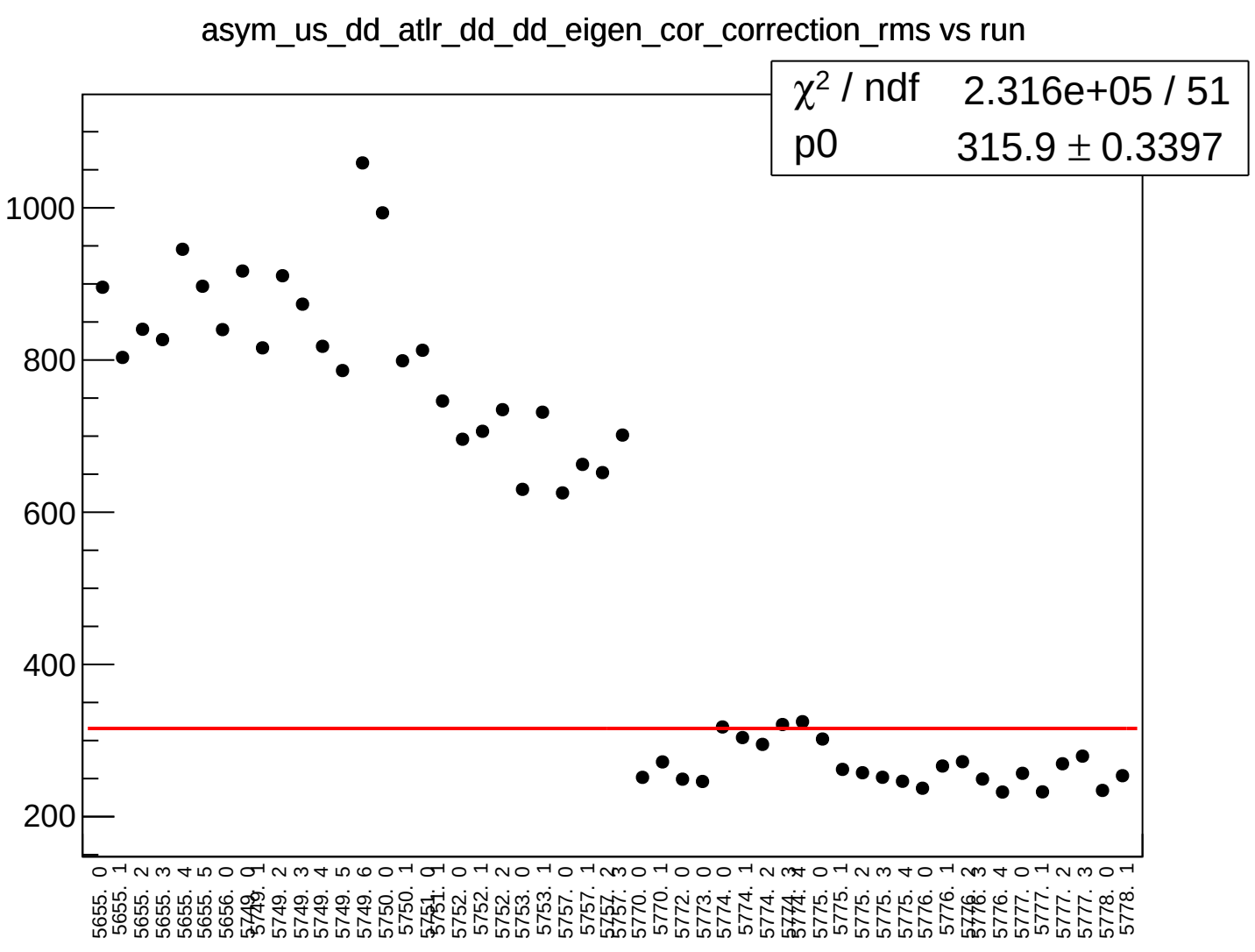

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 39.39 / 51
p0 −288.3 ± 1618
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 52
Mean −25.48
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

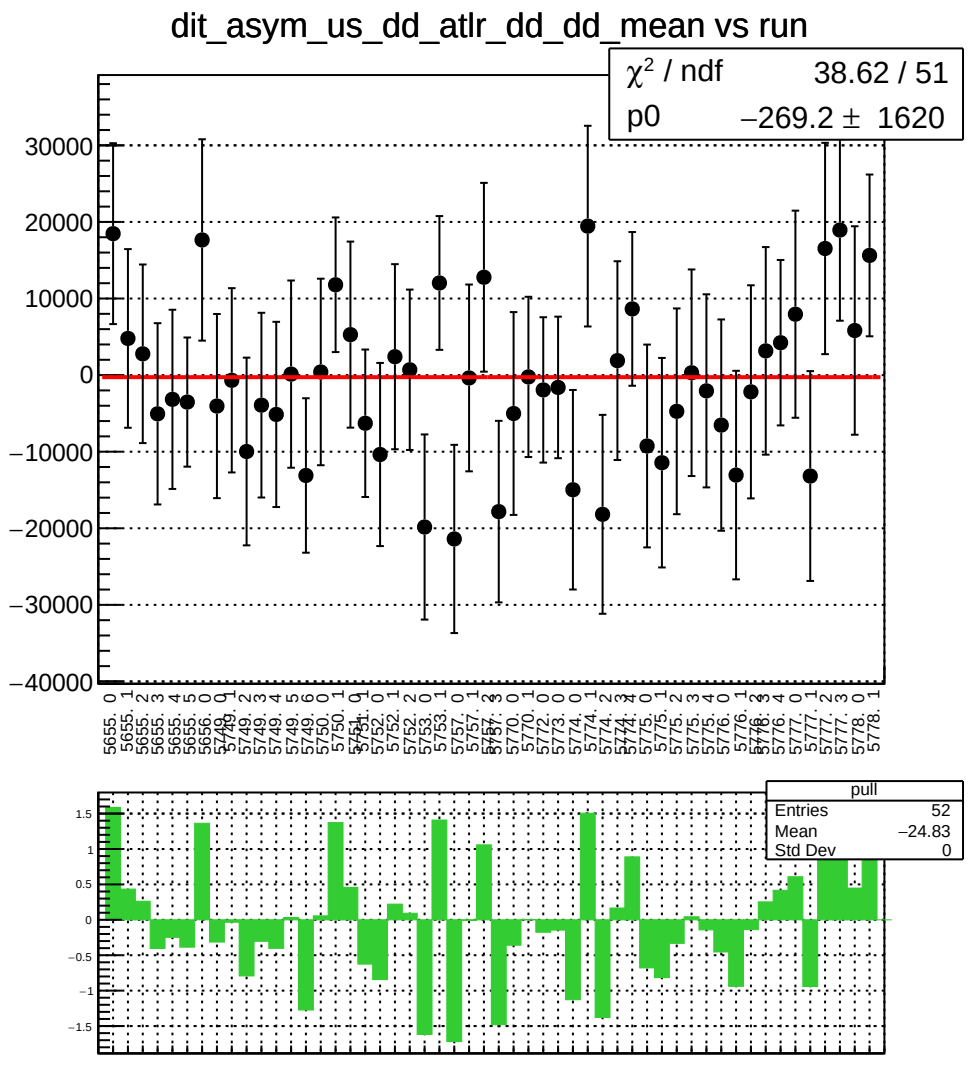

pull1D
Entries 52
Mean −0.02086
Std Dev 0.8701
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

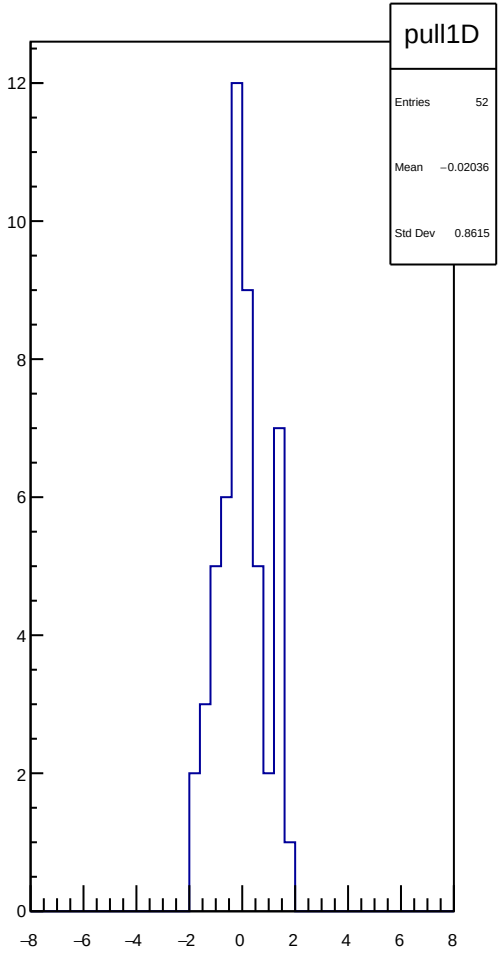

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 3327 / 51
p0 1196 ± 1.144
1350
1300
1250
1200
1150
1100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

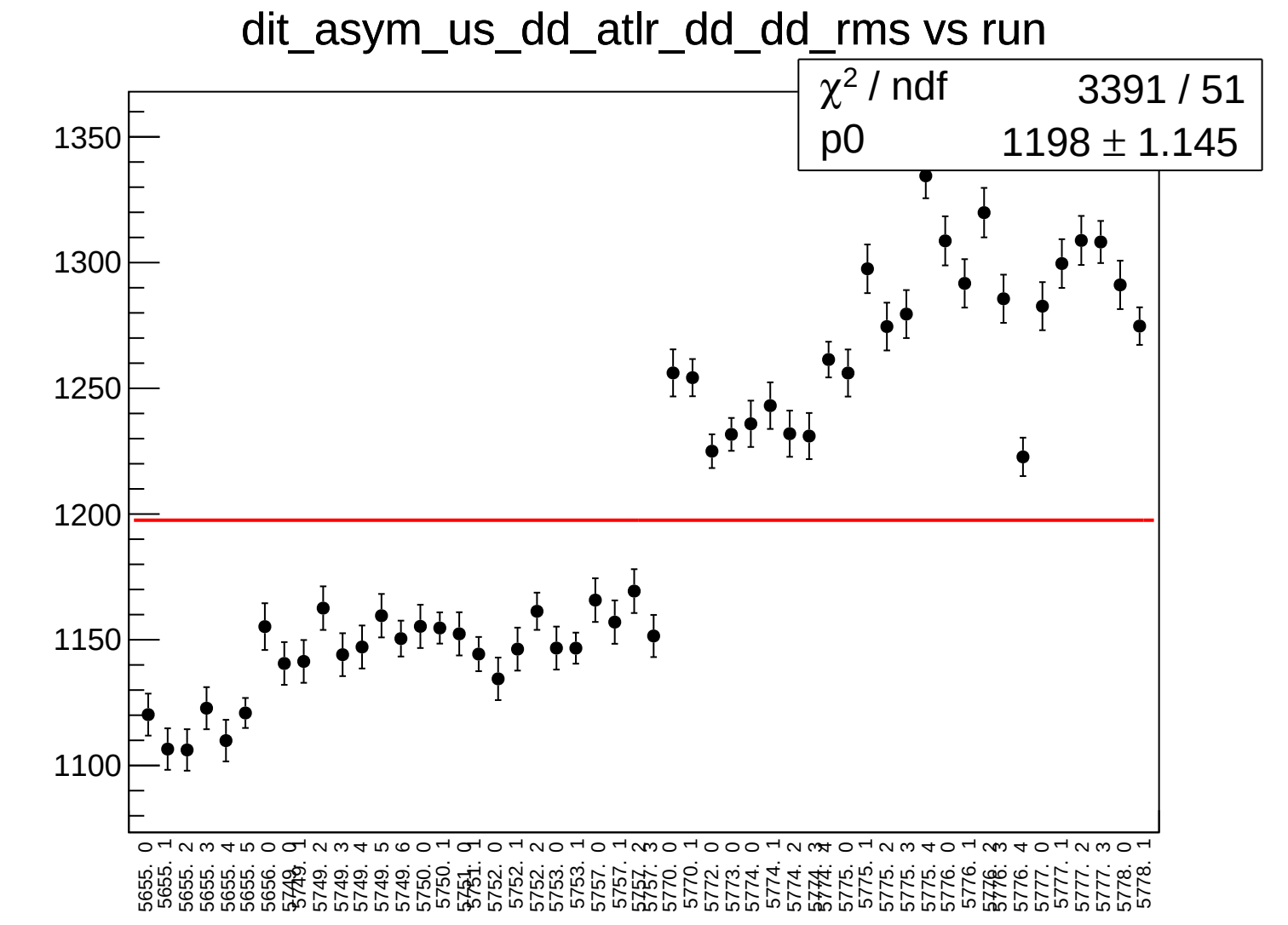

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 57.34 / 51
p0 −296.6 ± 480.4
30000
20000
10000
0
−10000
−20000
pull
Entries 52
Mean 1.064
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

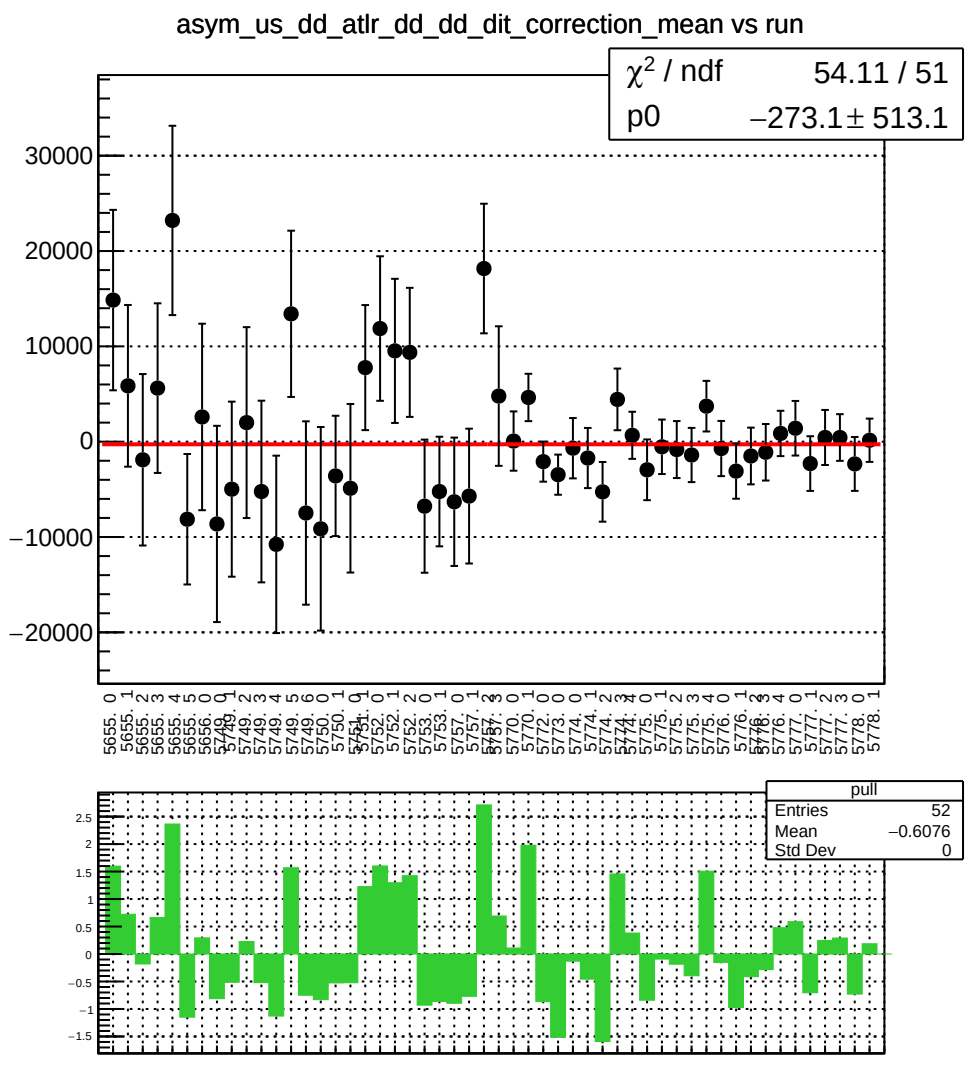

pull1D
Entries 52
Mean 0.07341
Std Dev 1.047
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

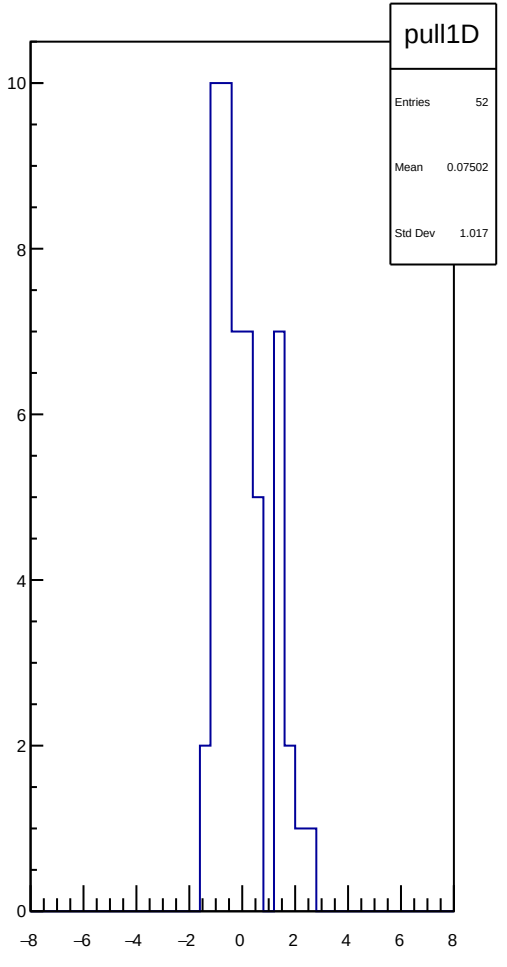

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.316e+05 / 51
p0 315.9 ± 0.3397
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

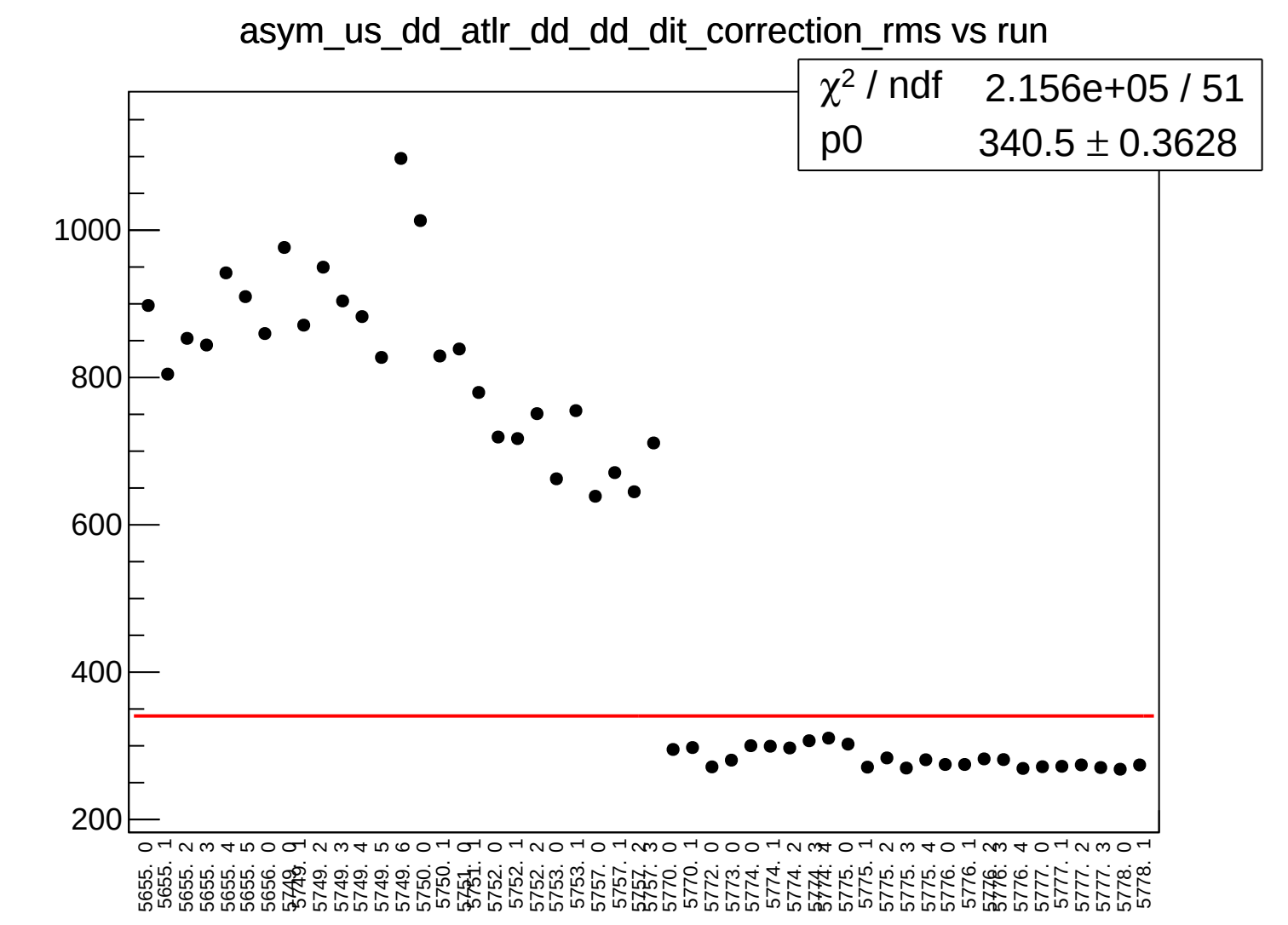

dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 38.62 / 51
p0 −269.2 ± 1620
pull
Entries 52
Mean −24.83
Std Dev 0


pull1D
Entries 52
Mean −0.02036
Std Dev 0.8615


dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 3391 / 51
p0 1198 ± 1.145
1350
1300
1250
1200
1150
1100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_dd_atlr_dd_dd_dit_correction_mean vs run
χ² / ndf 54.11 / 51
p0 −273.1 ± 513.1
30000
20000
10000
0
−10000
−20000
pull
Entries 52
Mean −0.6076
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 52
Mean 0.07502
Std Dev 1.017
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_atlr_dd_dd_dit_correction_rms vs run
χ² / ndf 2.156e+05 / 51
p0 340.5 ± 0.3628
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
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5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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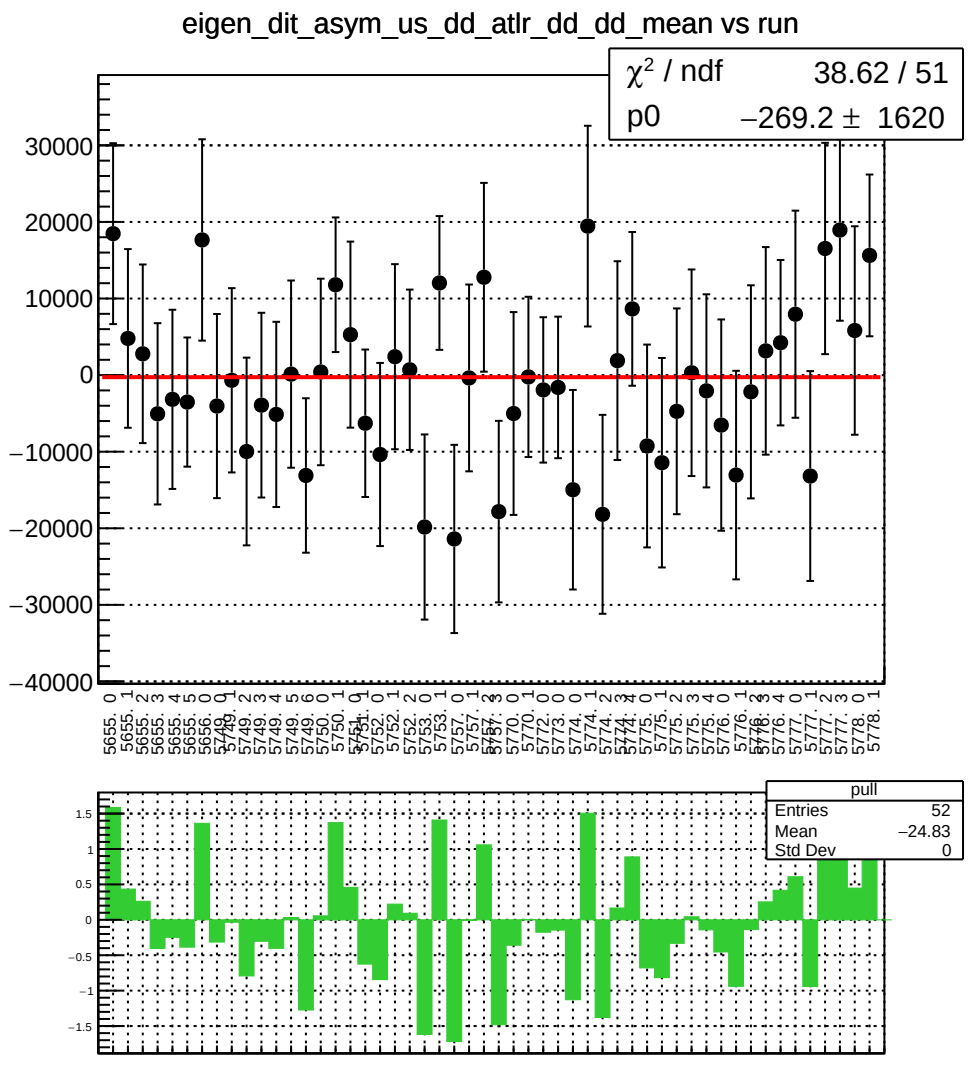
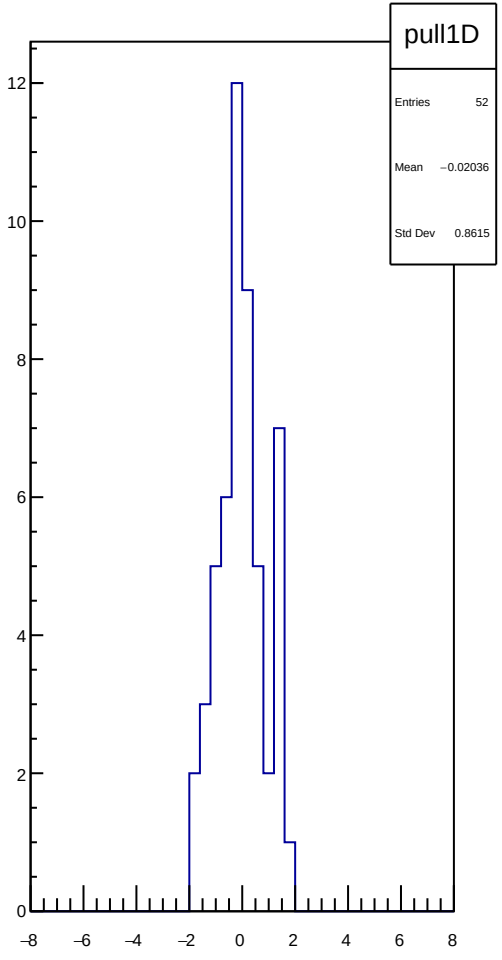
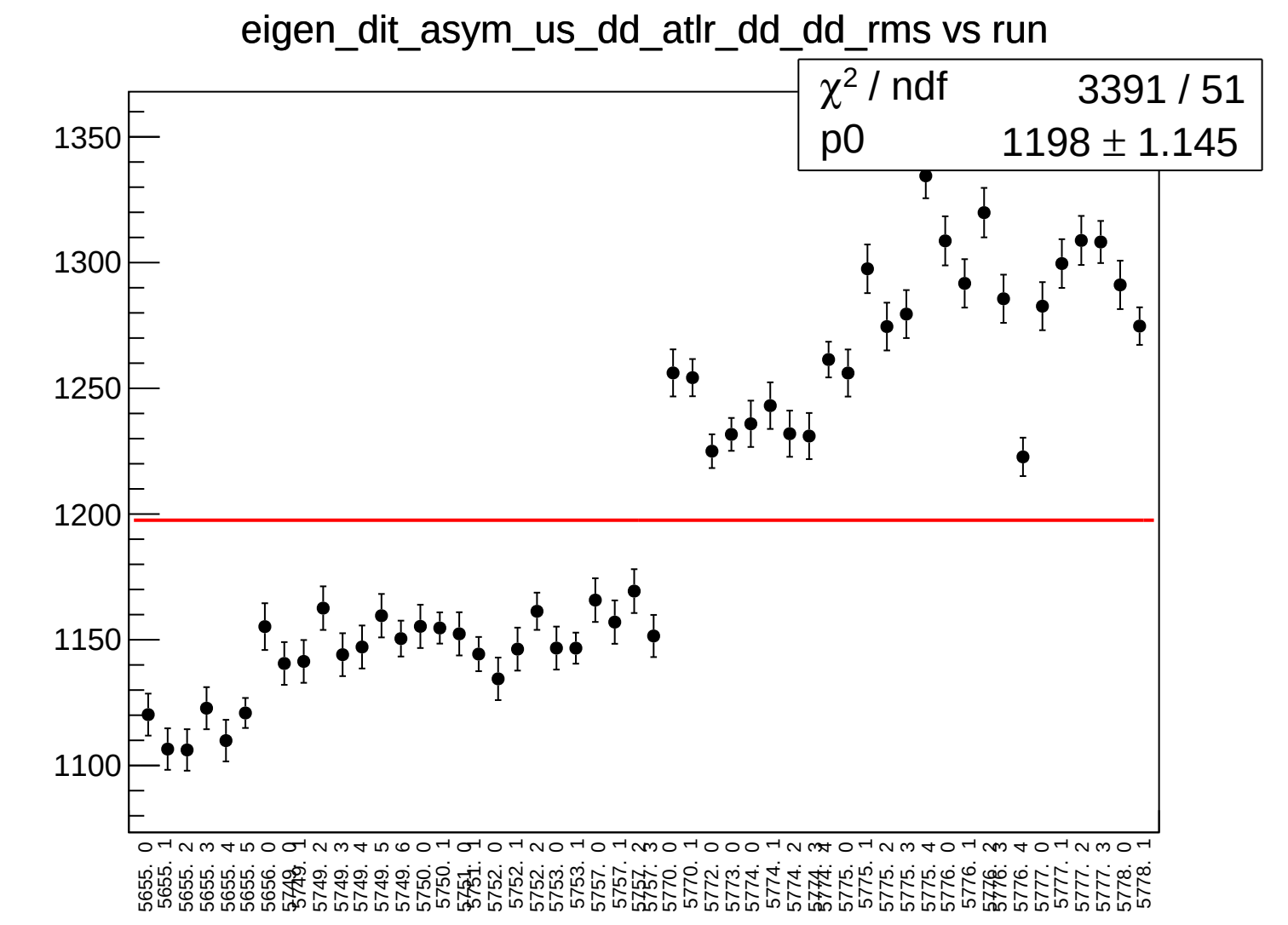
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 38.62 / 51
p0 −269.2 ± 1620
pull
Entries 52
Mean −24.83
Std Dev 0


pull1D
Entries 52
Mean −0.02036
Std Dev 0.8615


eigen_dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 3391 / 51
p0 1198 ± 1.145
1350
1300
1250
1200
1150
1100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 4
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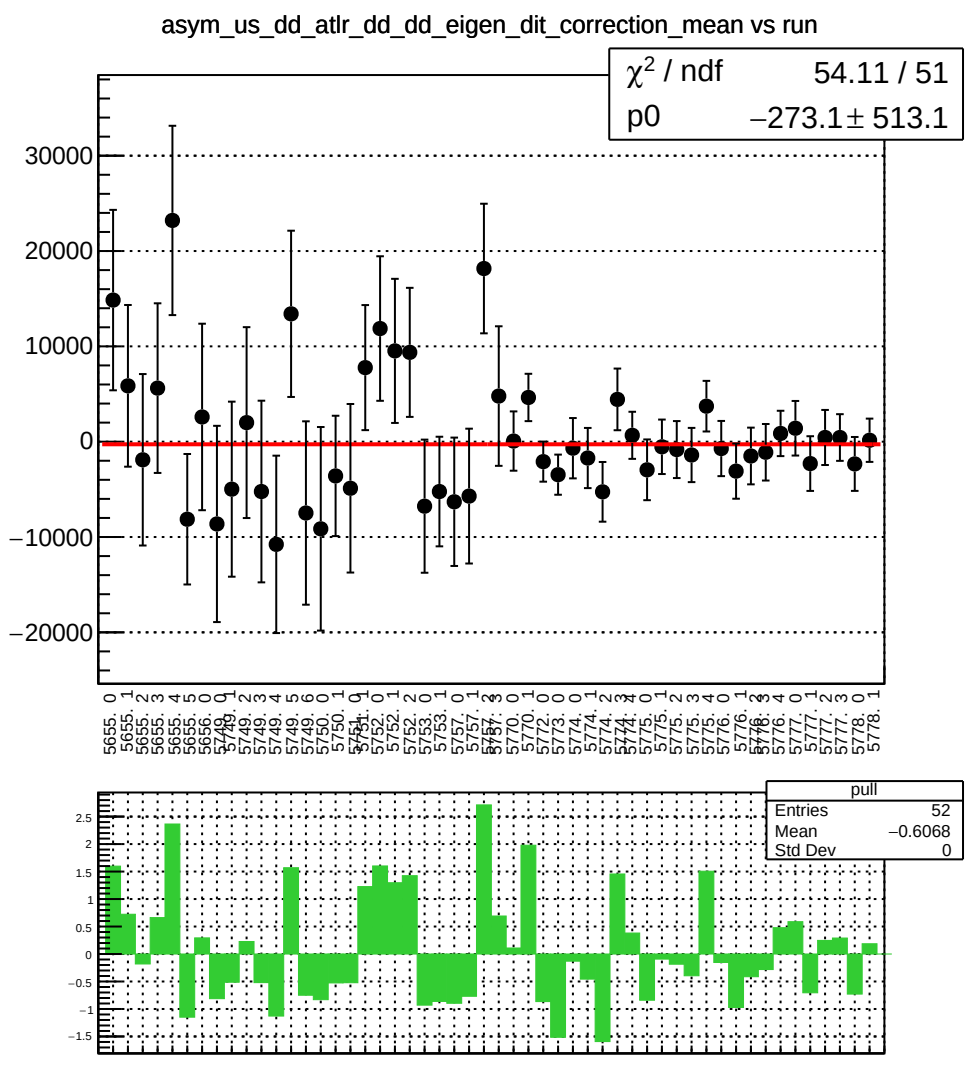
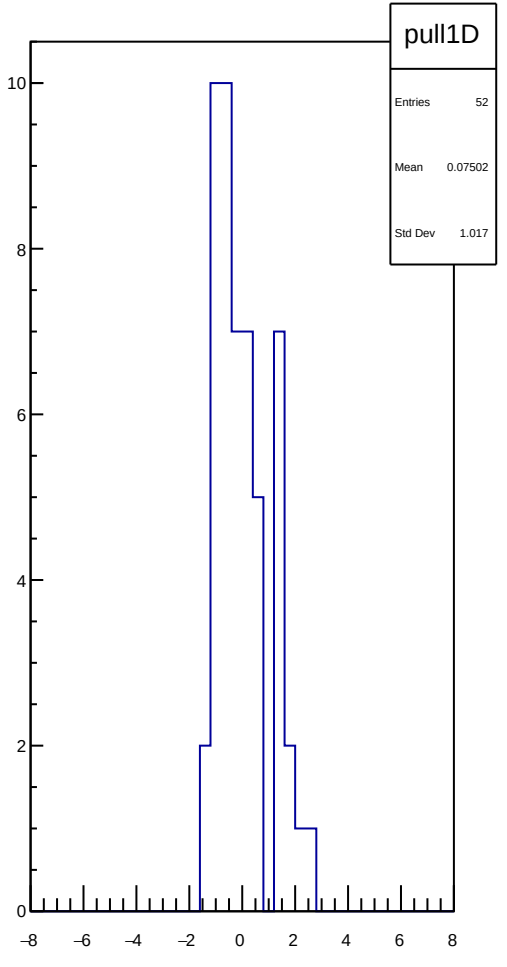
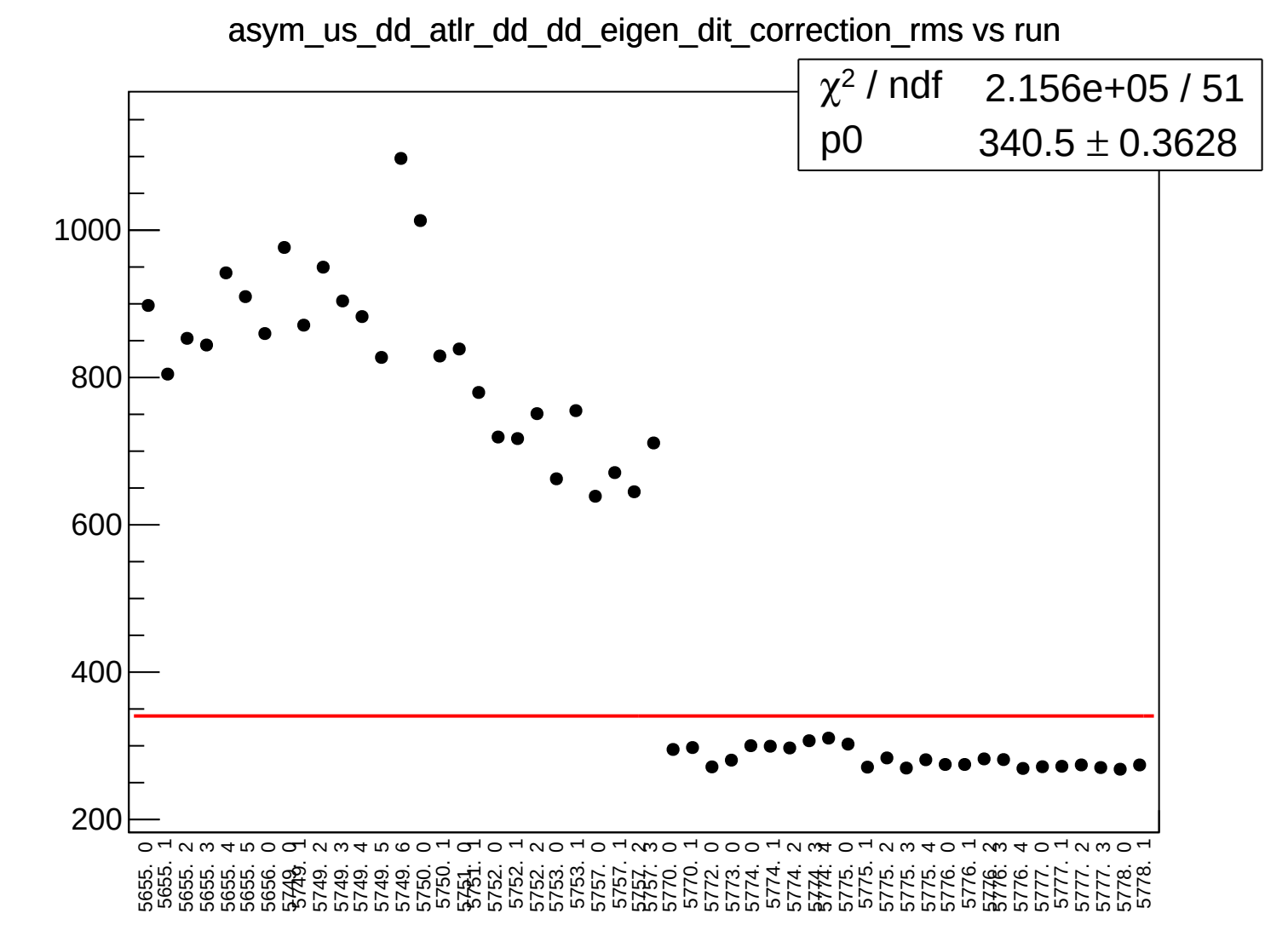
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 54.11 / 51
p0 −273.1 ± 513.1
30000
20000
10000
0
−10000
−20000
pull
Entries 52
Mean −0.6068
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 52
Mean 0.07502
Std Dev 1.017
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.156e+05 / 51
p0 340.5 ± 0.3628
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
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5750. 1
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5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
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5757. 1
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5757. 3
5770. 0
5770. 1
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5773. 0
5774. 0
5774. 1
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5775. 2
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5776. 0
5776. 1
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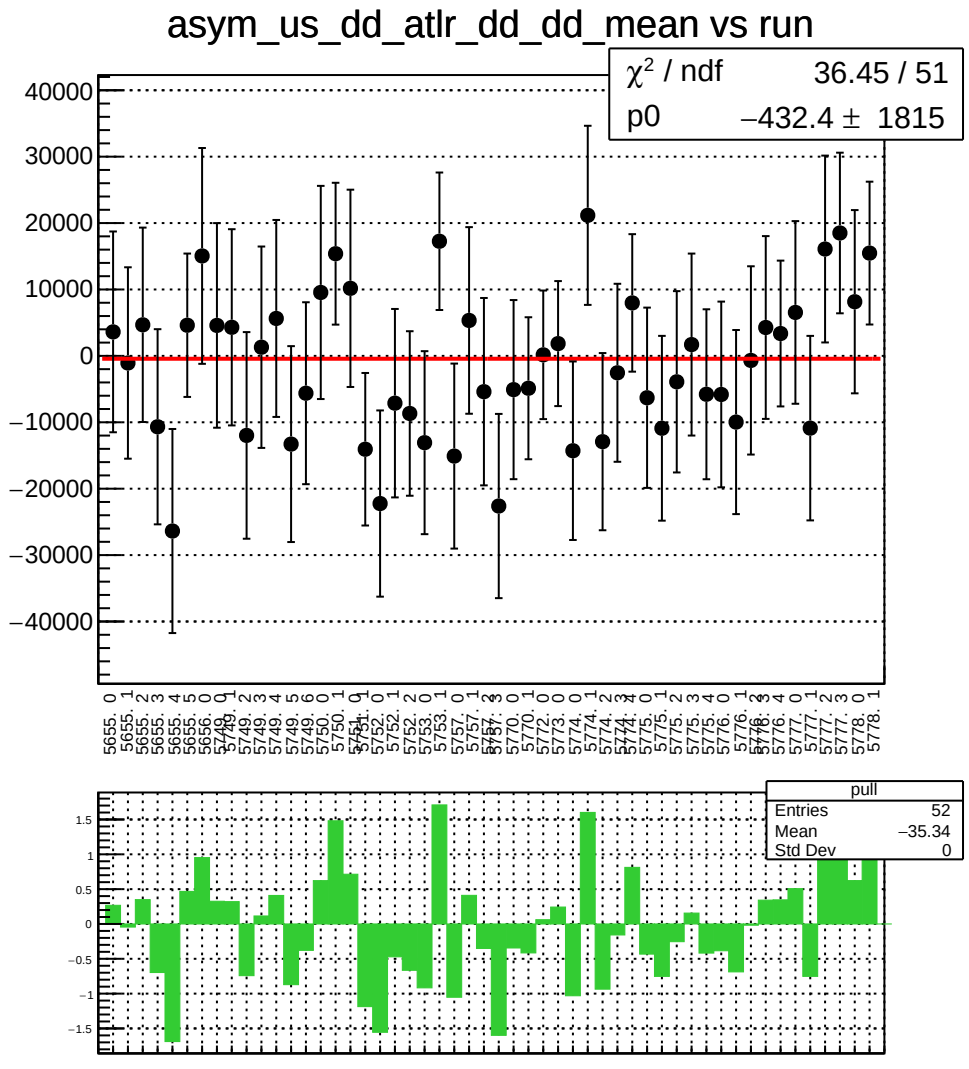
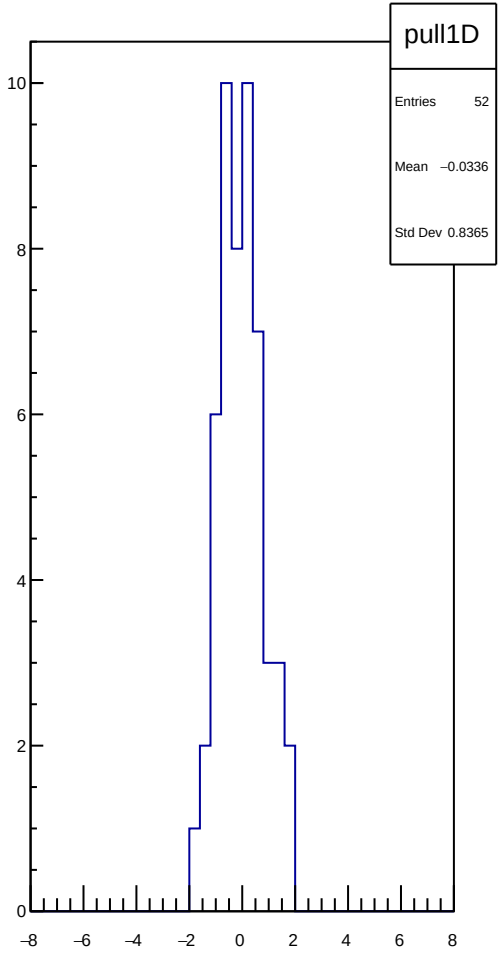
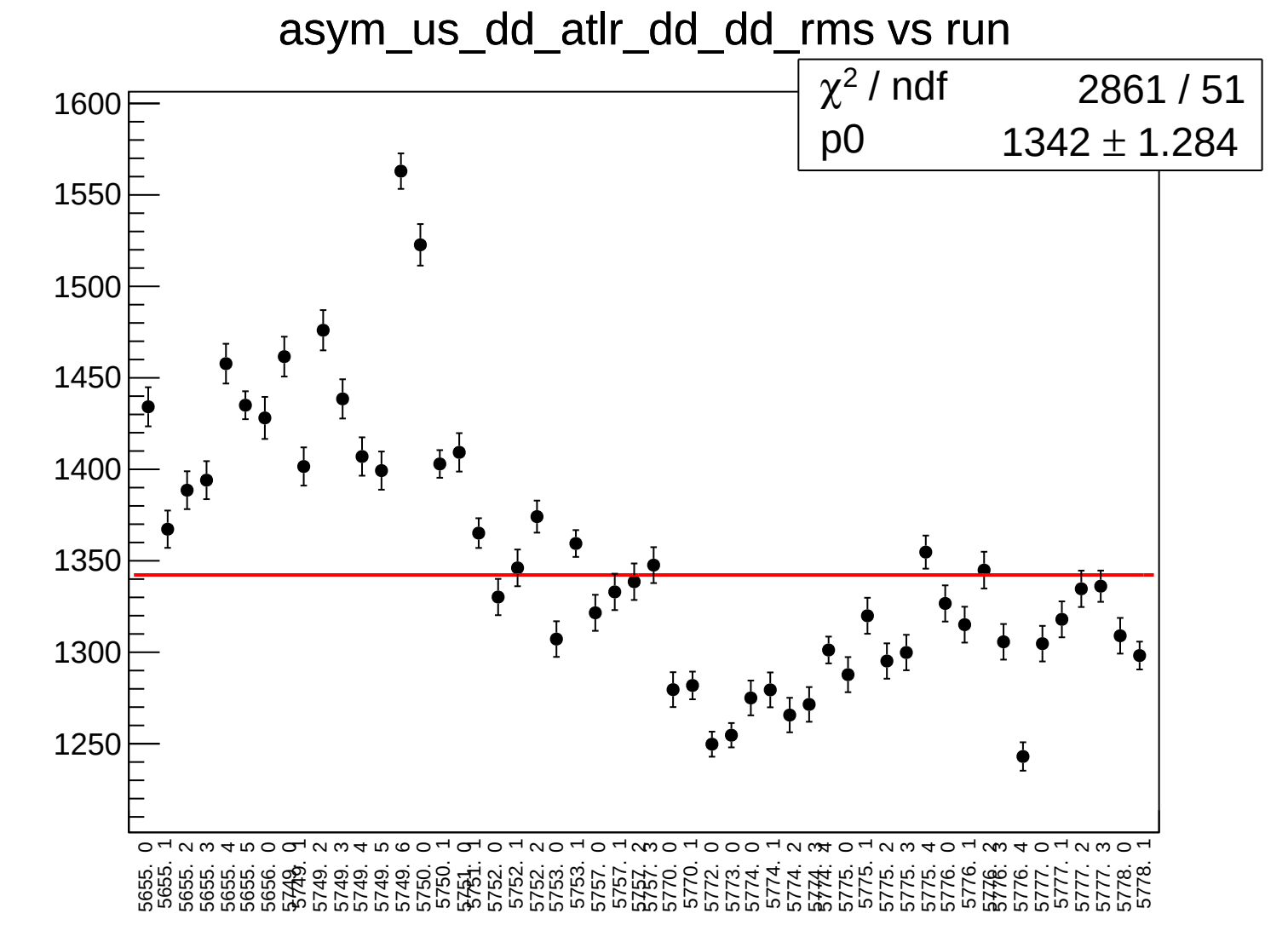
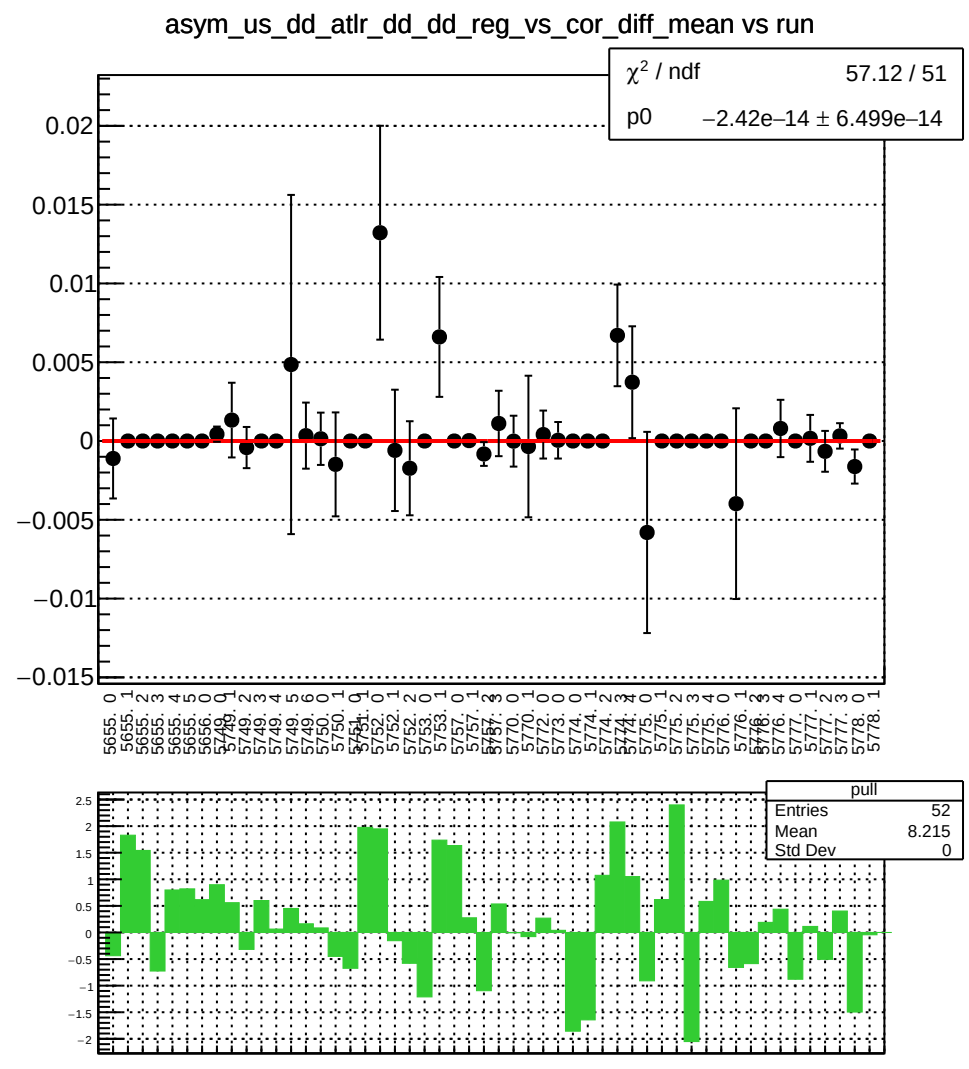
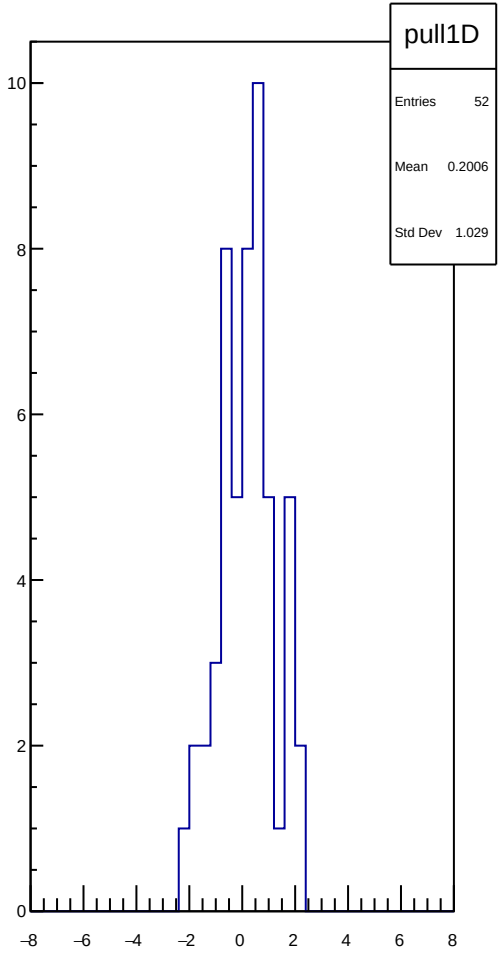
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

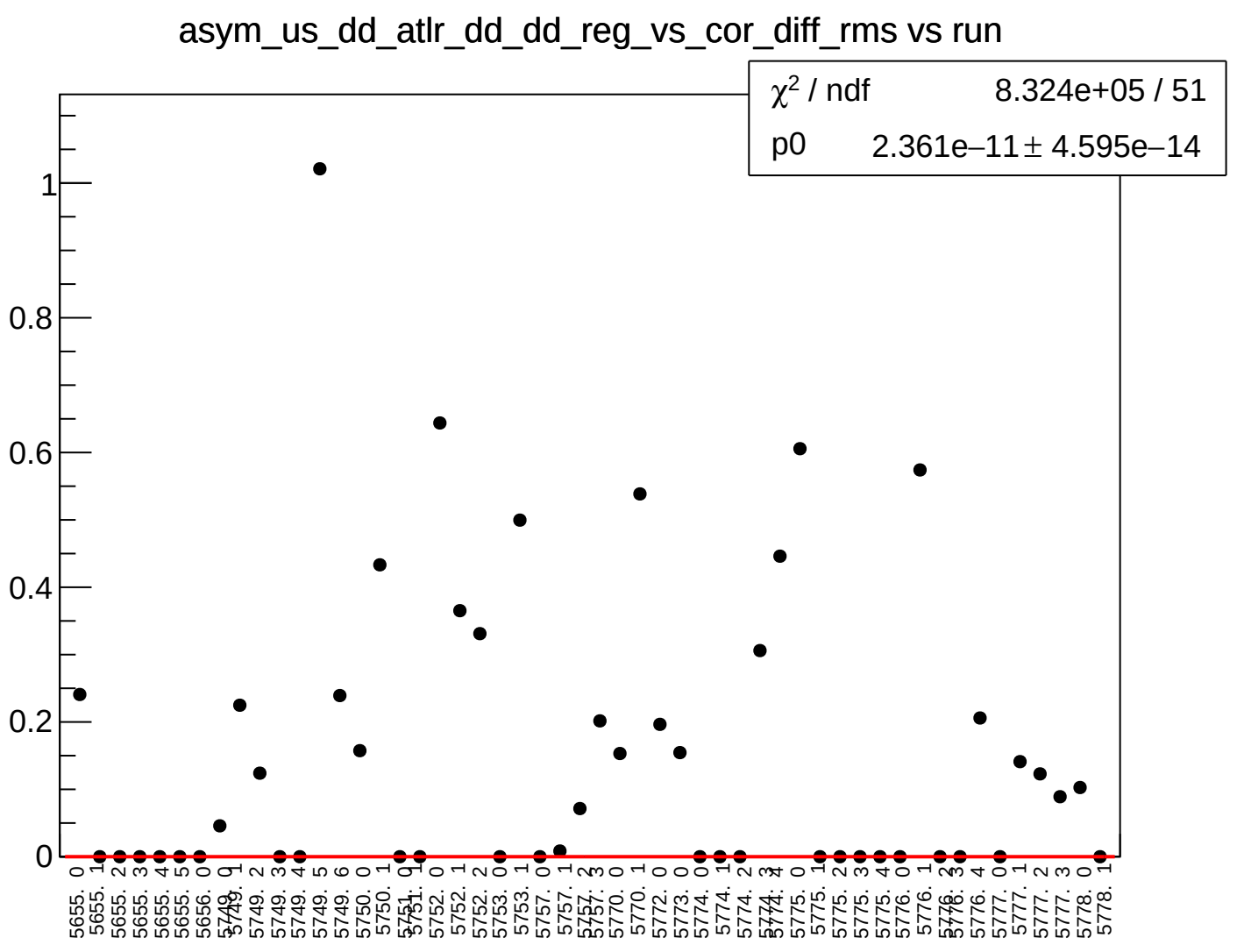

asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 36.45 / 51
p0 −432.4 ± 1815
pull
Entries 52
Mean −35.34
Std Dev 0

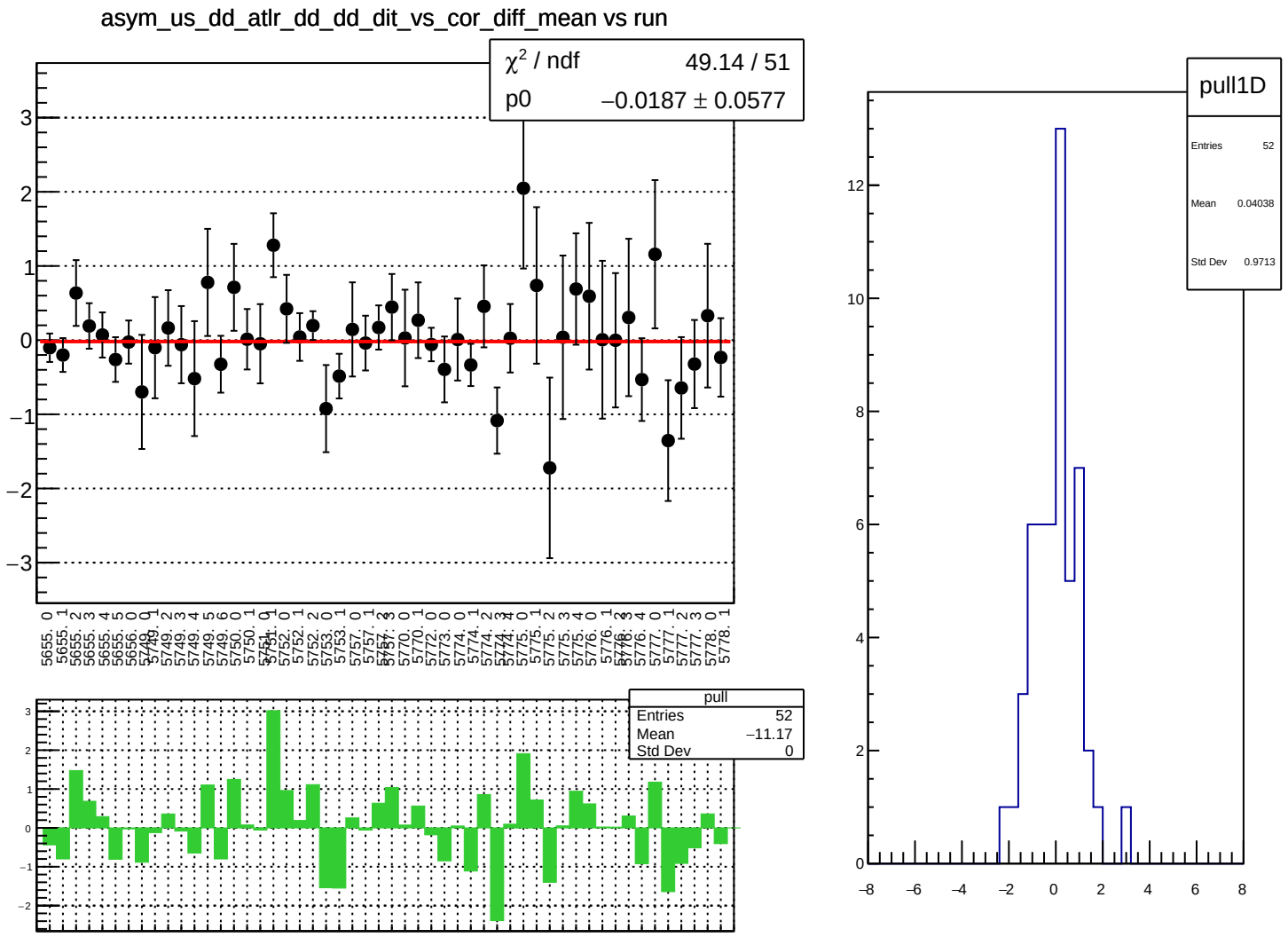

pull1D
Entries 52
Mean −0.0336
Std Dev 0.8365

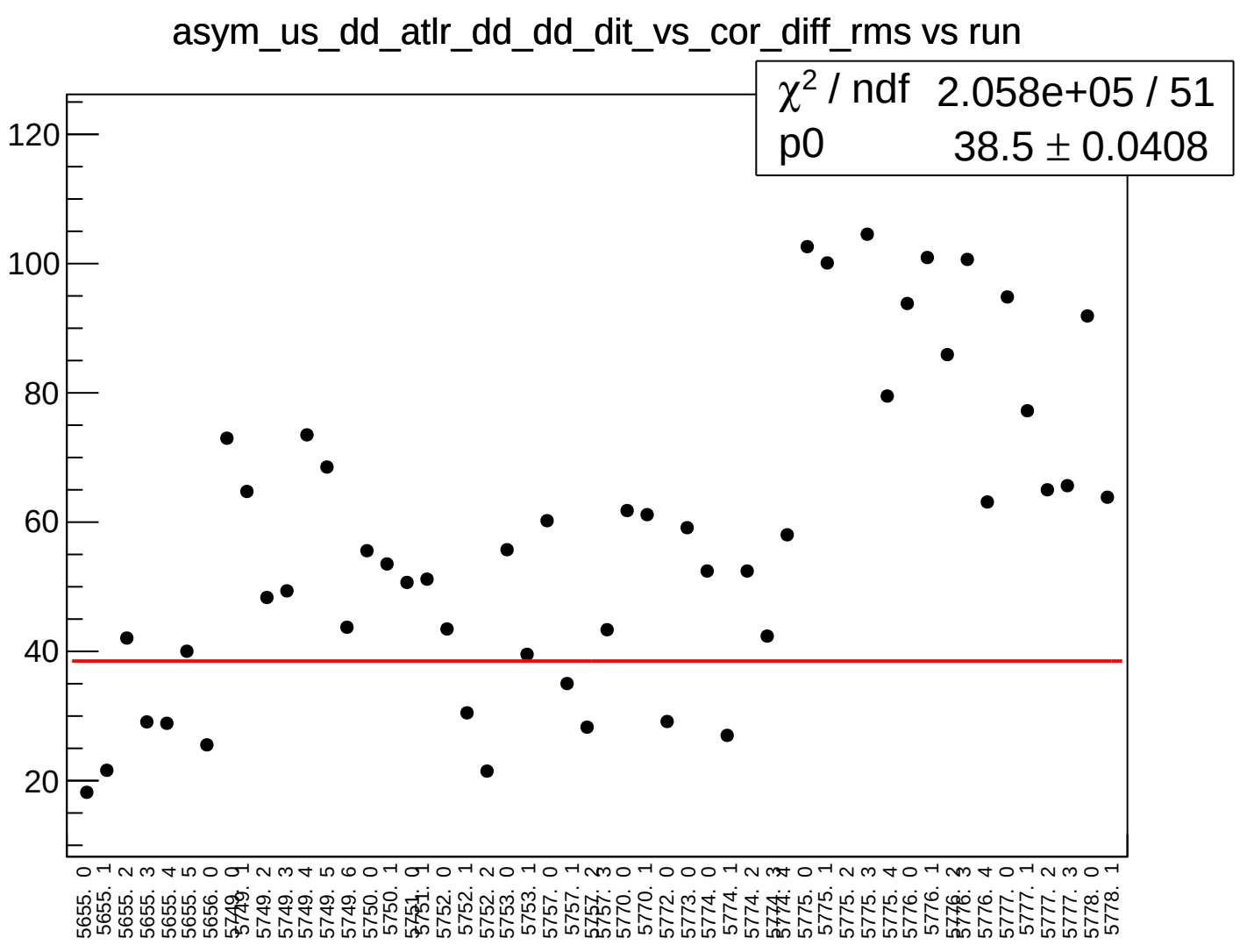

asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 2861 / 51
p0 1342 ± 1.284
1600
1550
1500
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

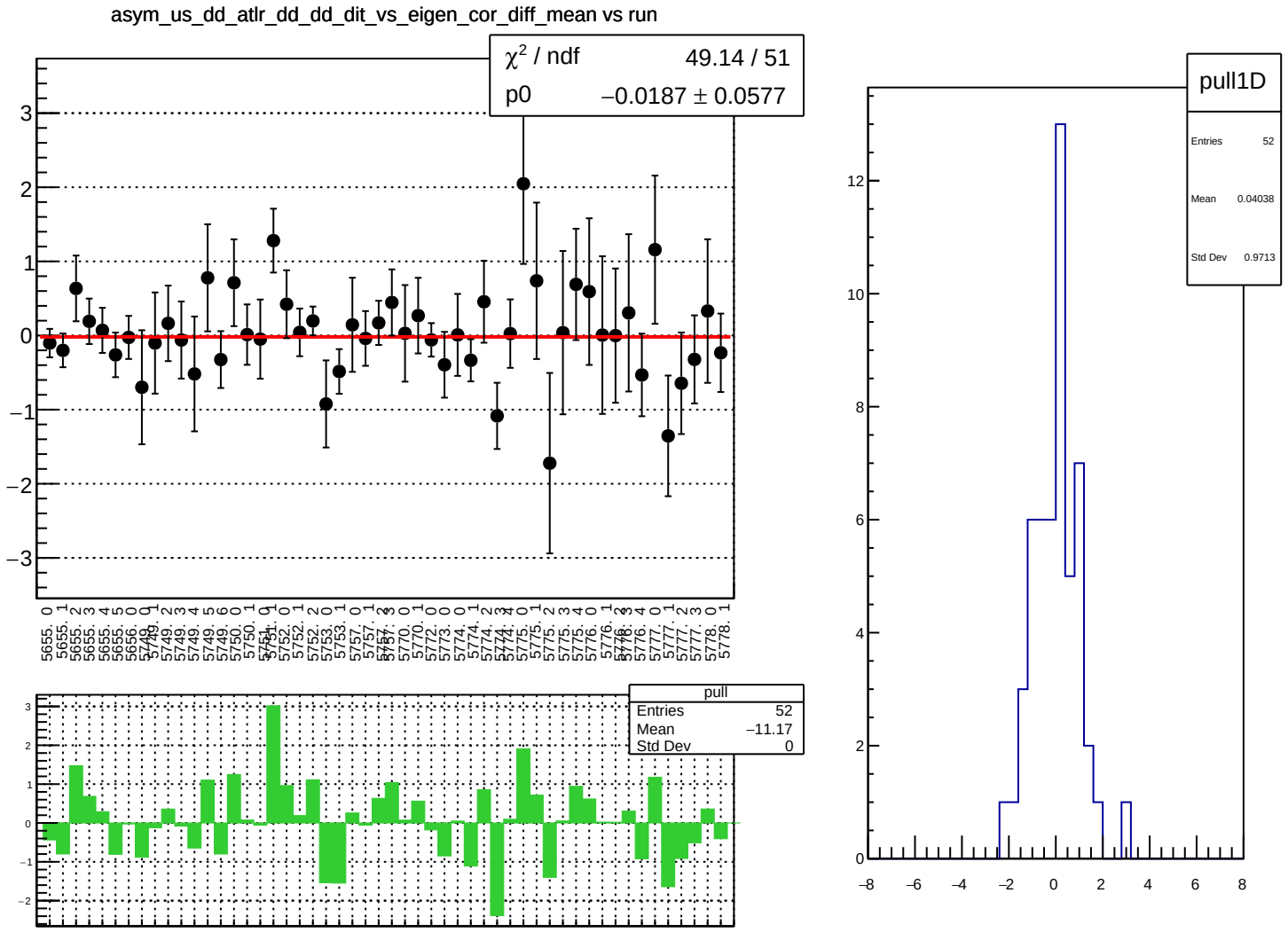

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 57.12 / 51
p0 −2.42e−14 ± 6.499e−14
pull
Entries 52
Mean 8.215
Std Dev 0

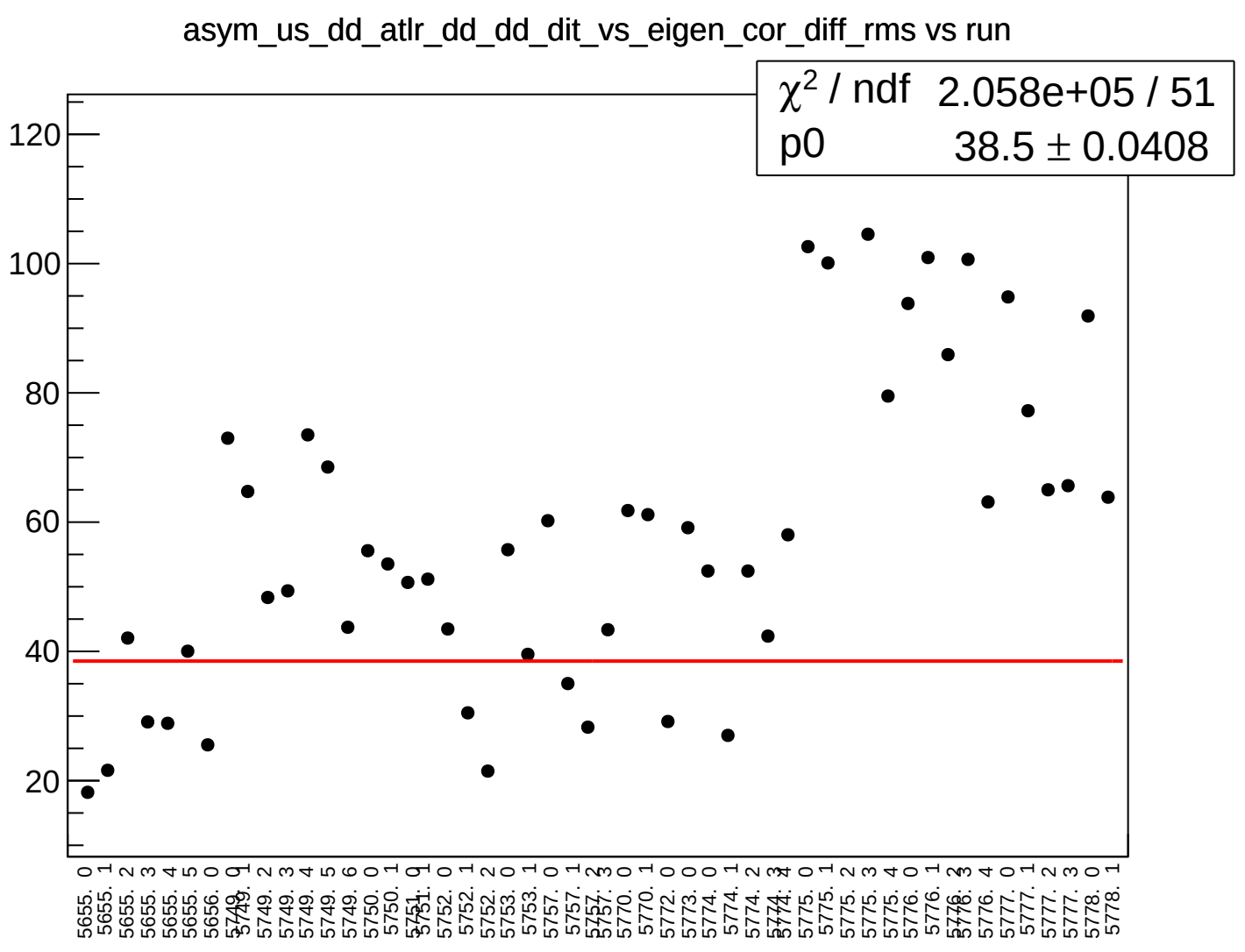

pull1D
Entries 52
Mean 0.2006
Std Dev 1.029

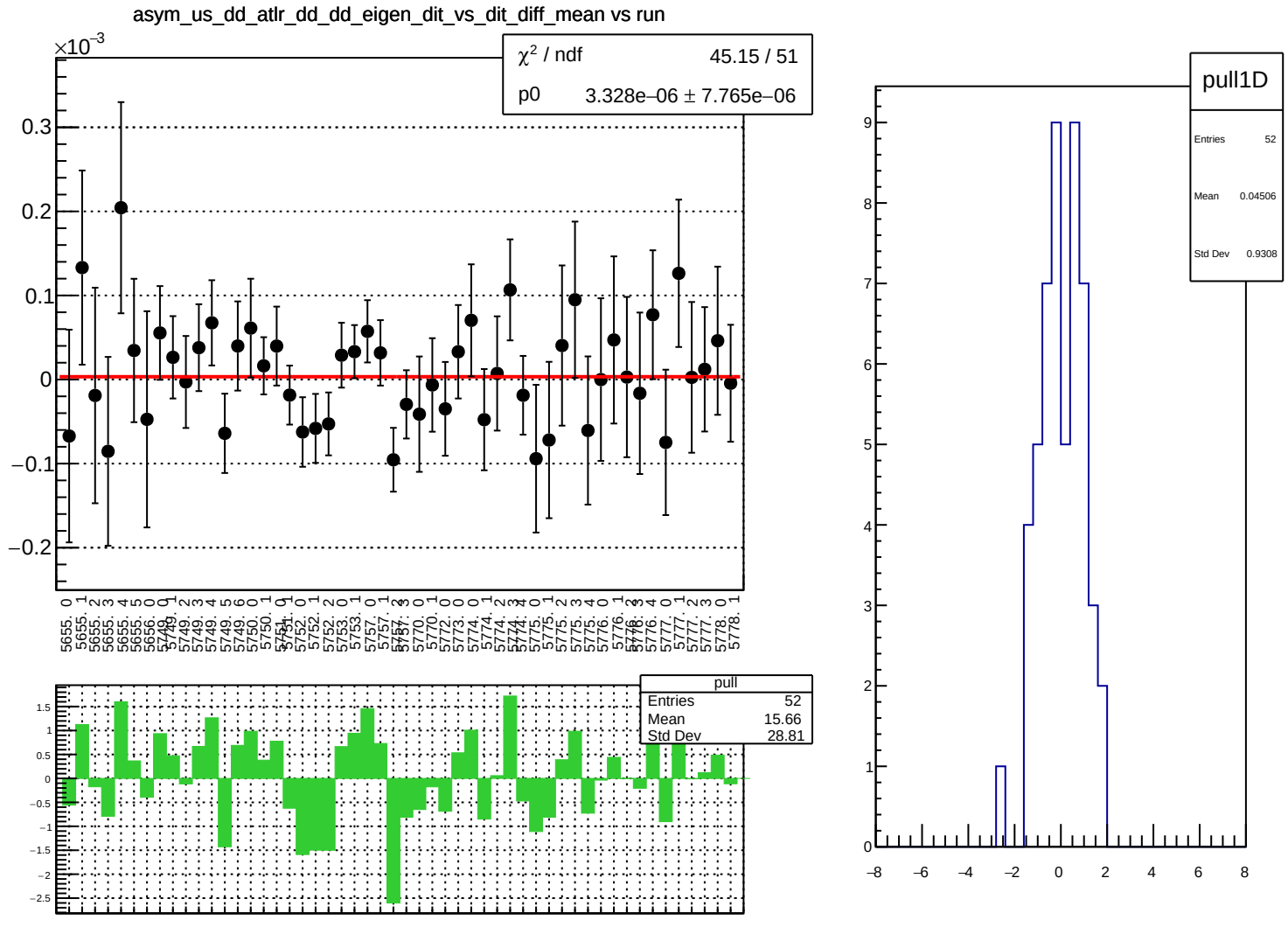

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.324e+05 / 51
p0 2.361e−11 ± 4.595e−14
1
0.8
0.6
0.4
0.2
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

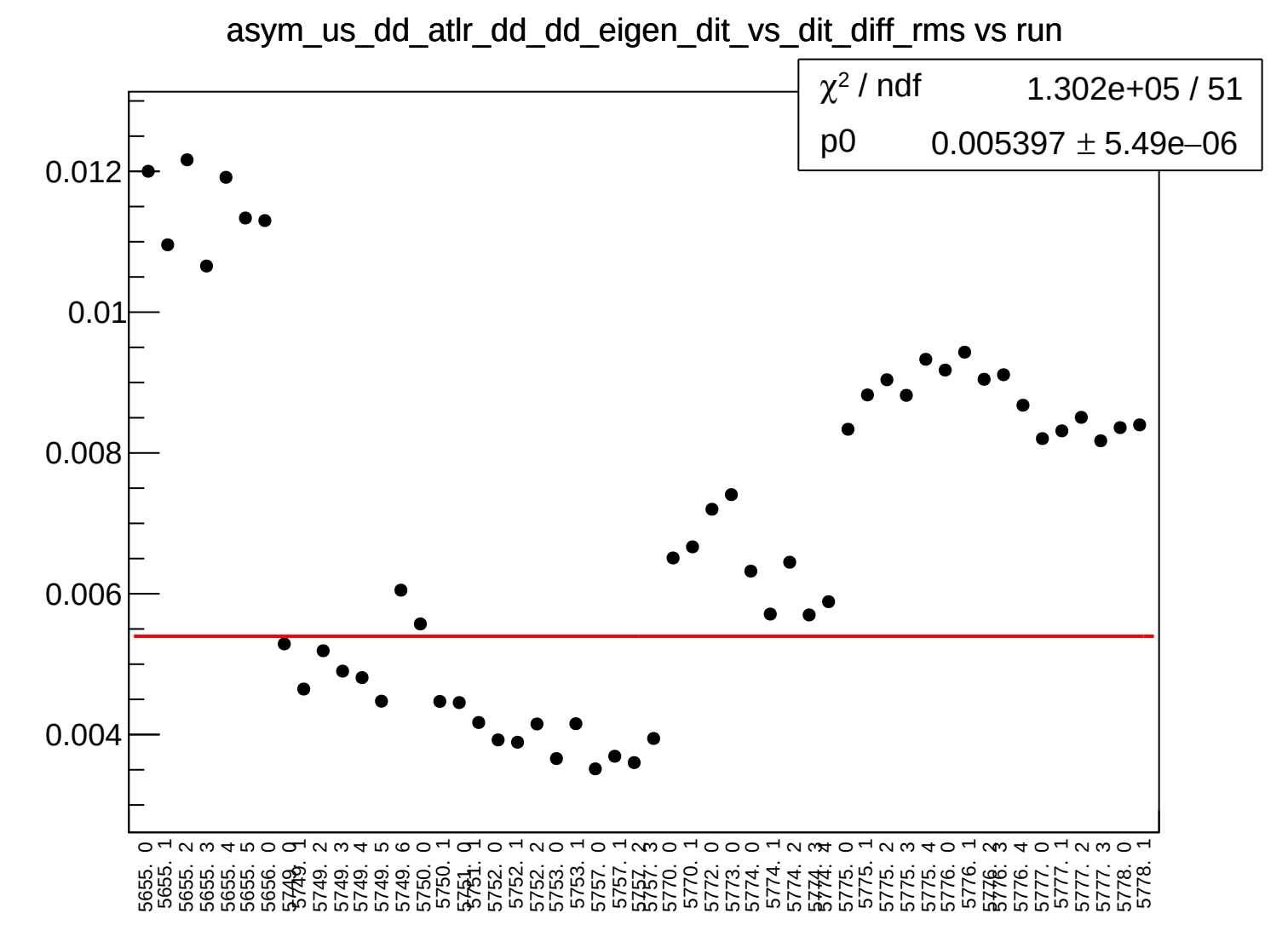

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 49.14 / 51
p0 −0.0187 ± 0.0577
pull
Entries 52
Mean −11.17
Std Dev 0
pull1D
Entries 52
Mean 0.04038
Std Dev 0.9713

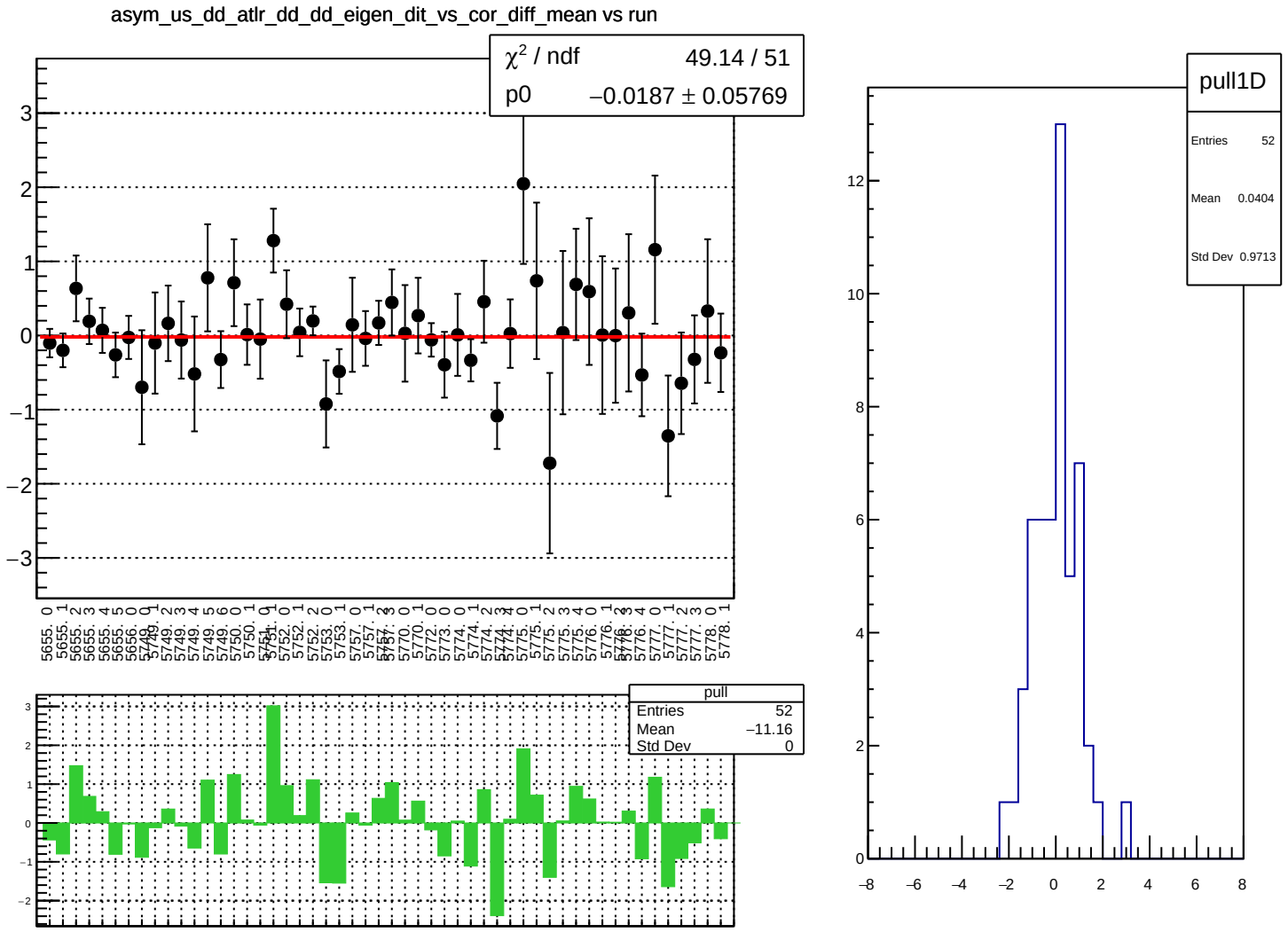

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.058e+05 / 51
p0 38.5 ± 0.0408
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

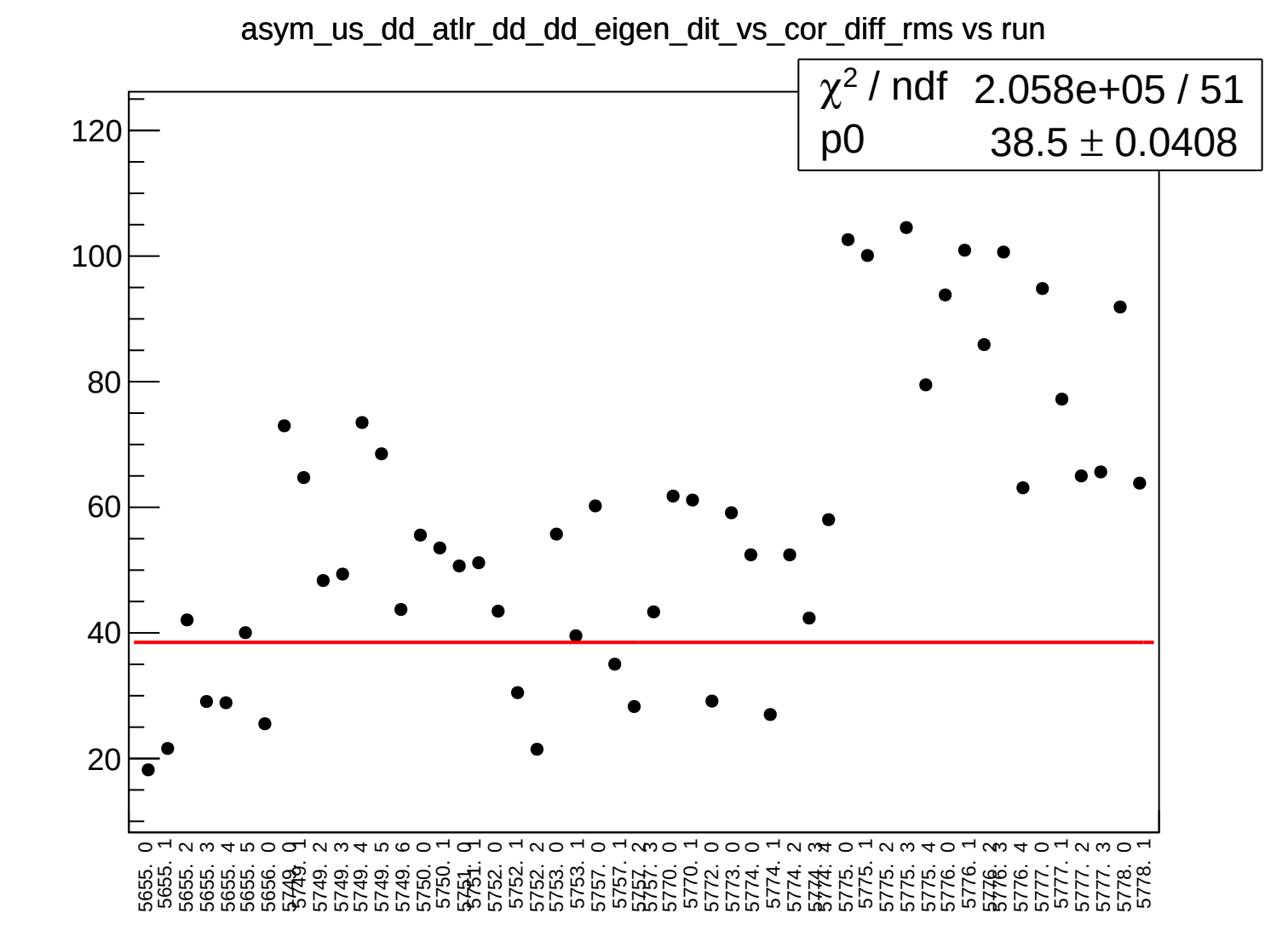

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.14 / 51
p0 −0.0187 ± 0.0577
pull
Entries 52
Mean −11.17
Std Dev 0
pull1D
Entries 52
Mean 0.04038
Std Dev 0.9713

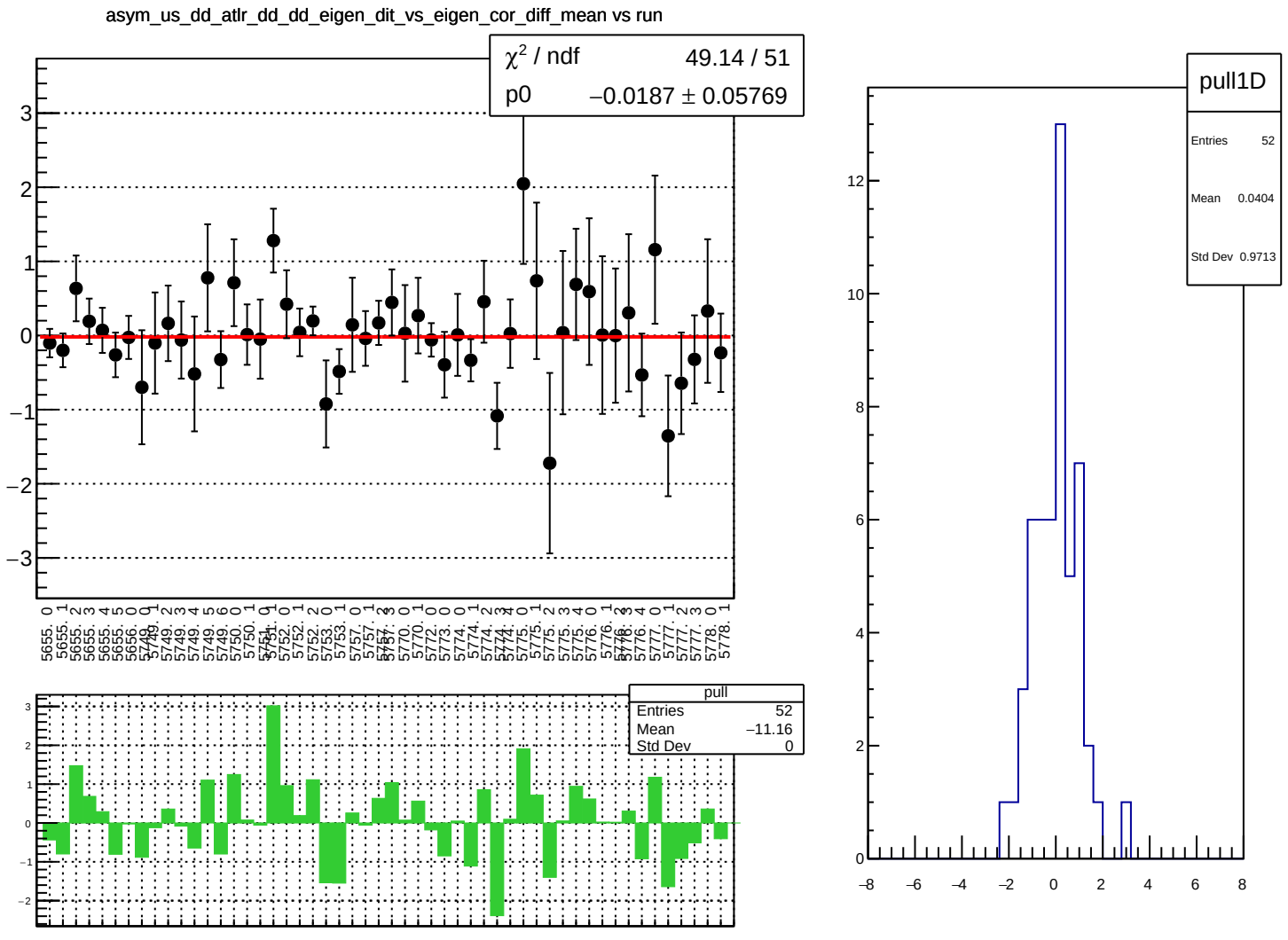

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.058e+05 / 51
p0 38.5 ± 0.0408
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

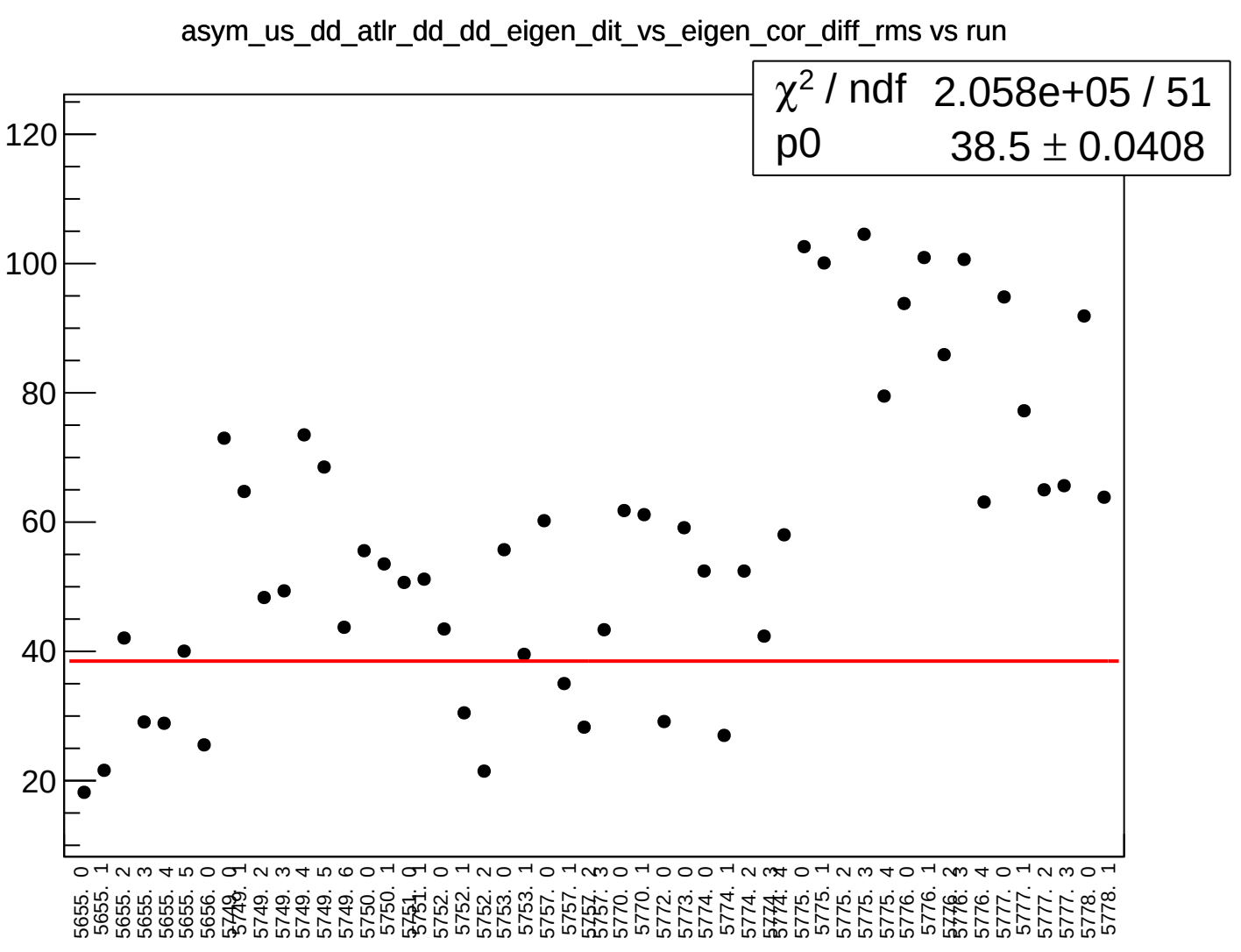

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 45.15 / 51
p0 3.328e−06 ± 7.765e−06
pull
Entries 52
Mean 15.66
Std Dev 28.81
pull1D
Entries 52
Mean 0.04506
Std Dev 0.9308

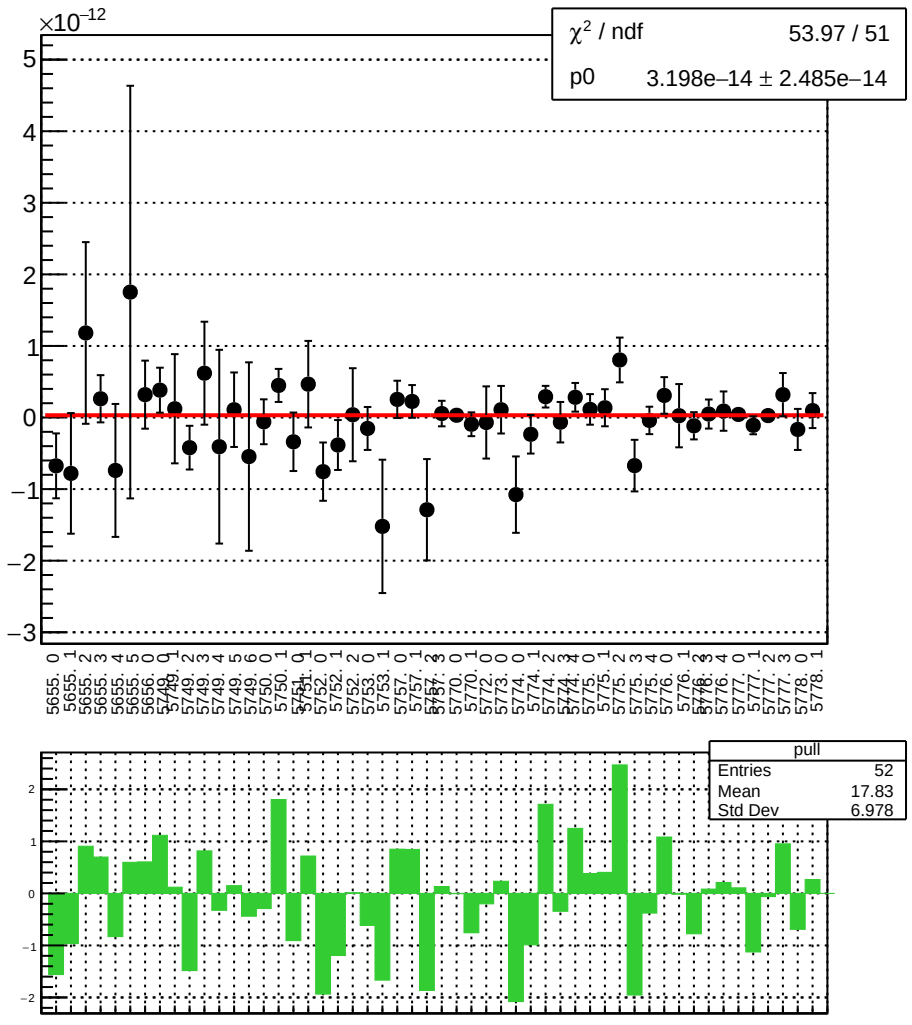

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.302e+05 / 51
p0 0.005397 ± 5.49e–06
0.012
0.01
0.008
0.006
0.004
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

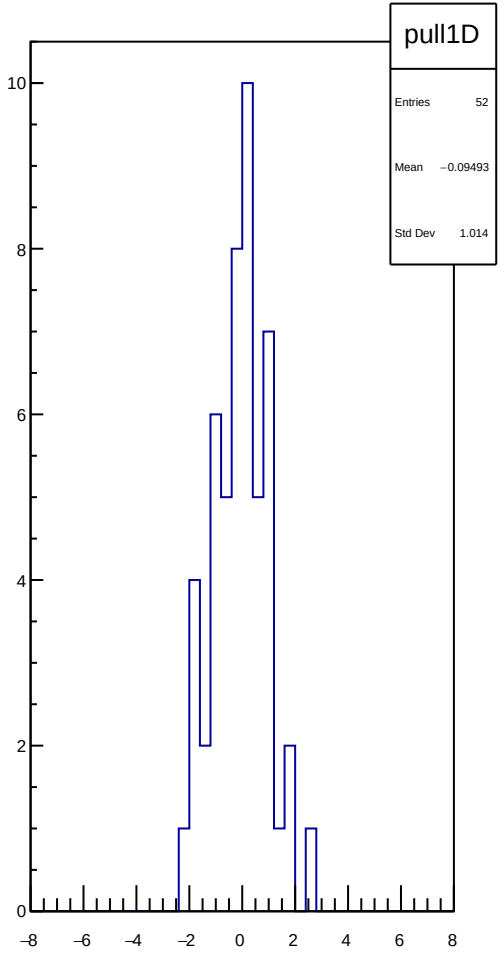

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.14 / 51
p0 −0.0187 ± 0.05769
pull
Entries 52
Mean −11.16
Std Dev 0
pull1D
Entries 52
Mean 0.0404
Std Dev 0.9713

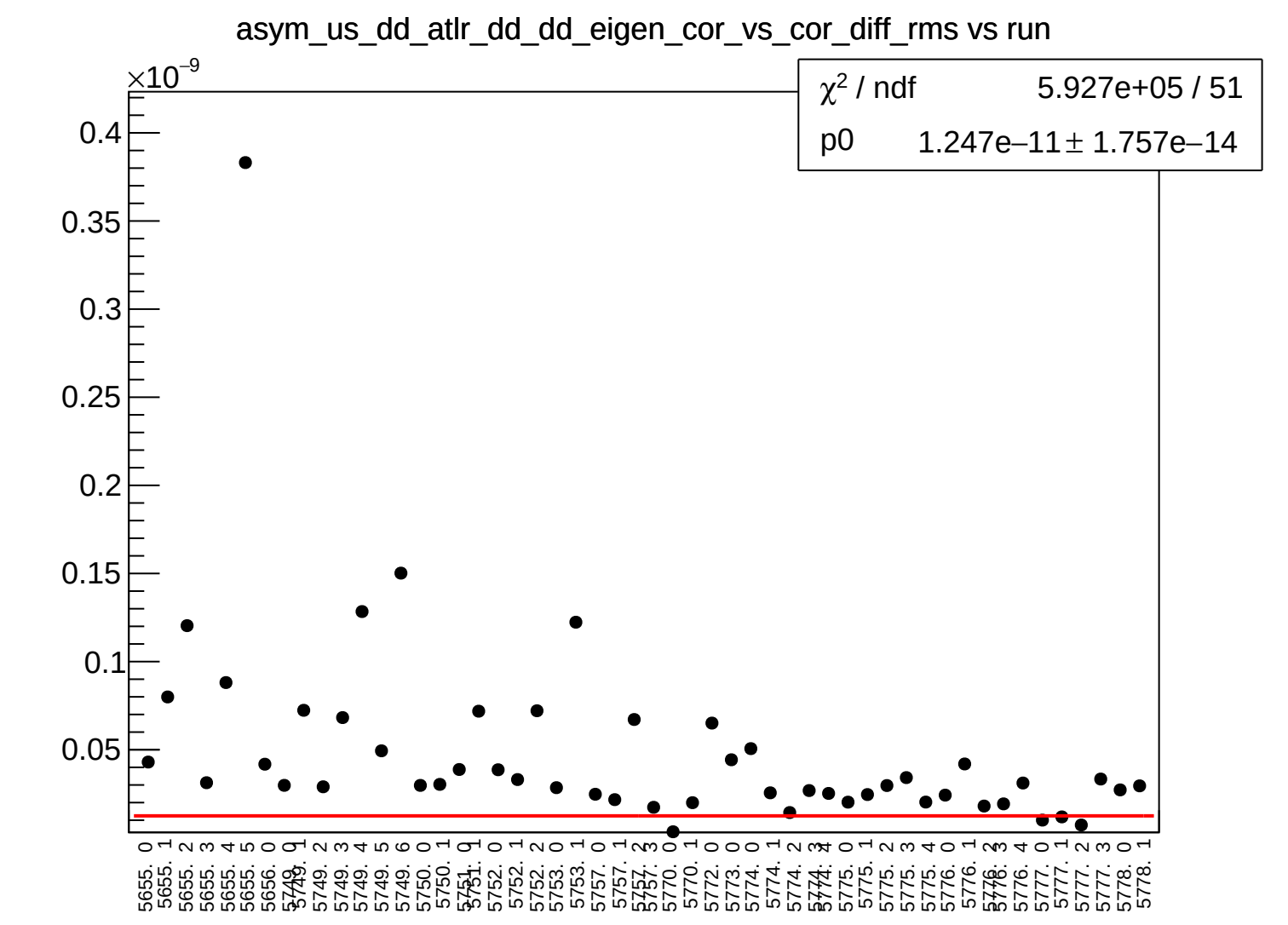

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.058e+05 / 51
p0 38.5 ± 0.0408
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

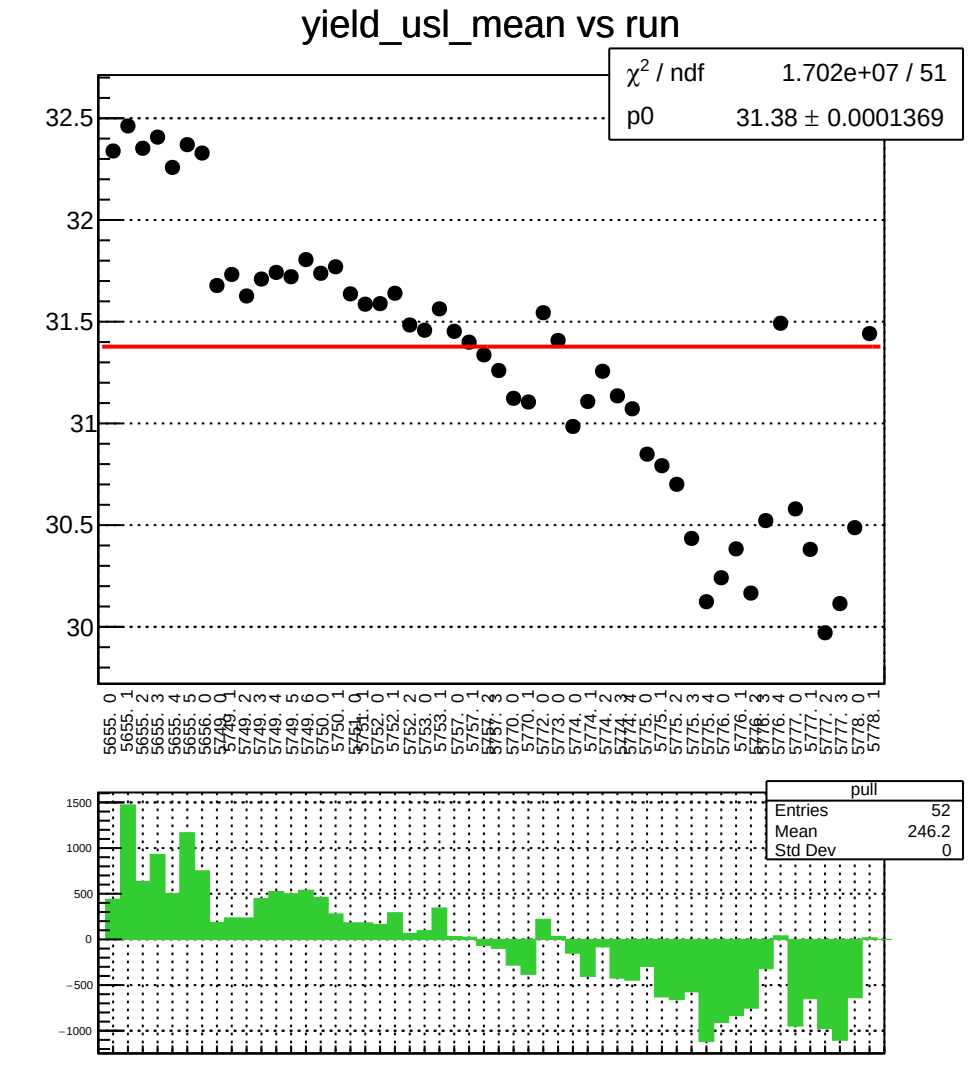

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.14 / 51
p0 −0.0187 ± 0.05769
pull
Entries 52
Mean −11.16
Std Dev 0
pull1D
Entries 52
Mean 0.0404
Std Dev 0.9713

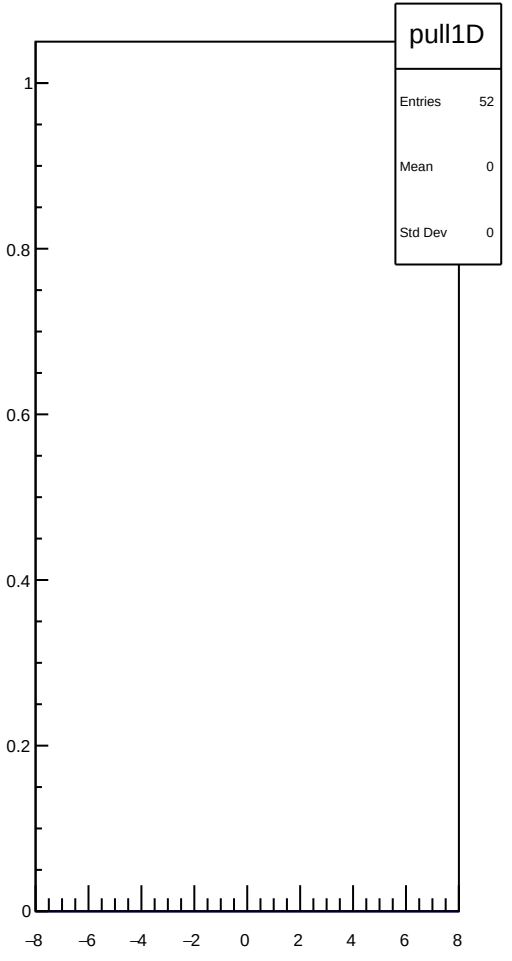

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.058e+05 / 51
p0 38.5 ± 0.0408
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

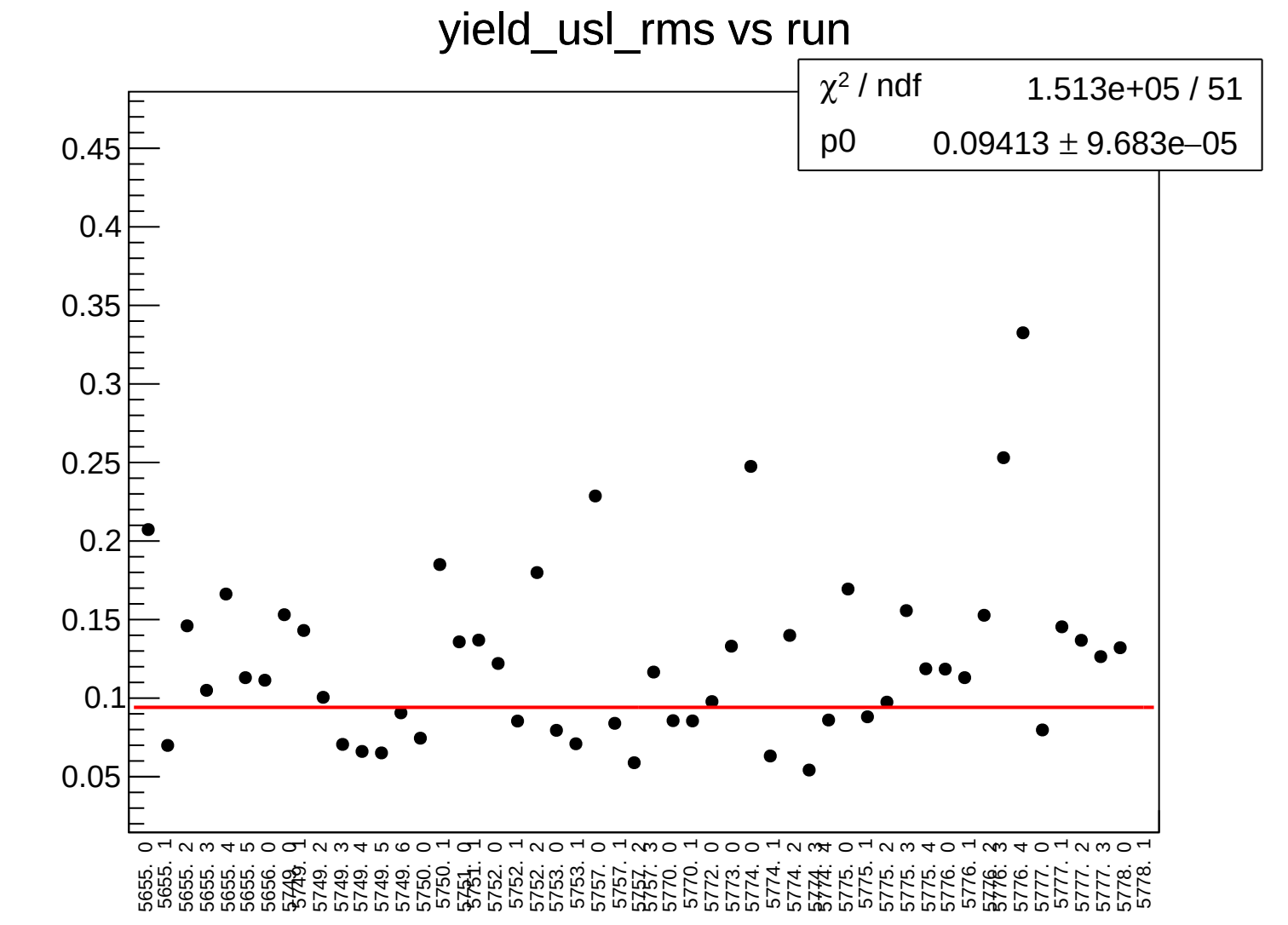

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.97 / 51
p0 3.198e−14 ± 2.485e−14
pull
Entries 52
Mean 17.83
Std Dev 6.978

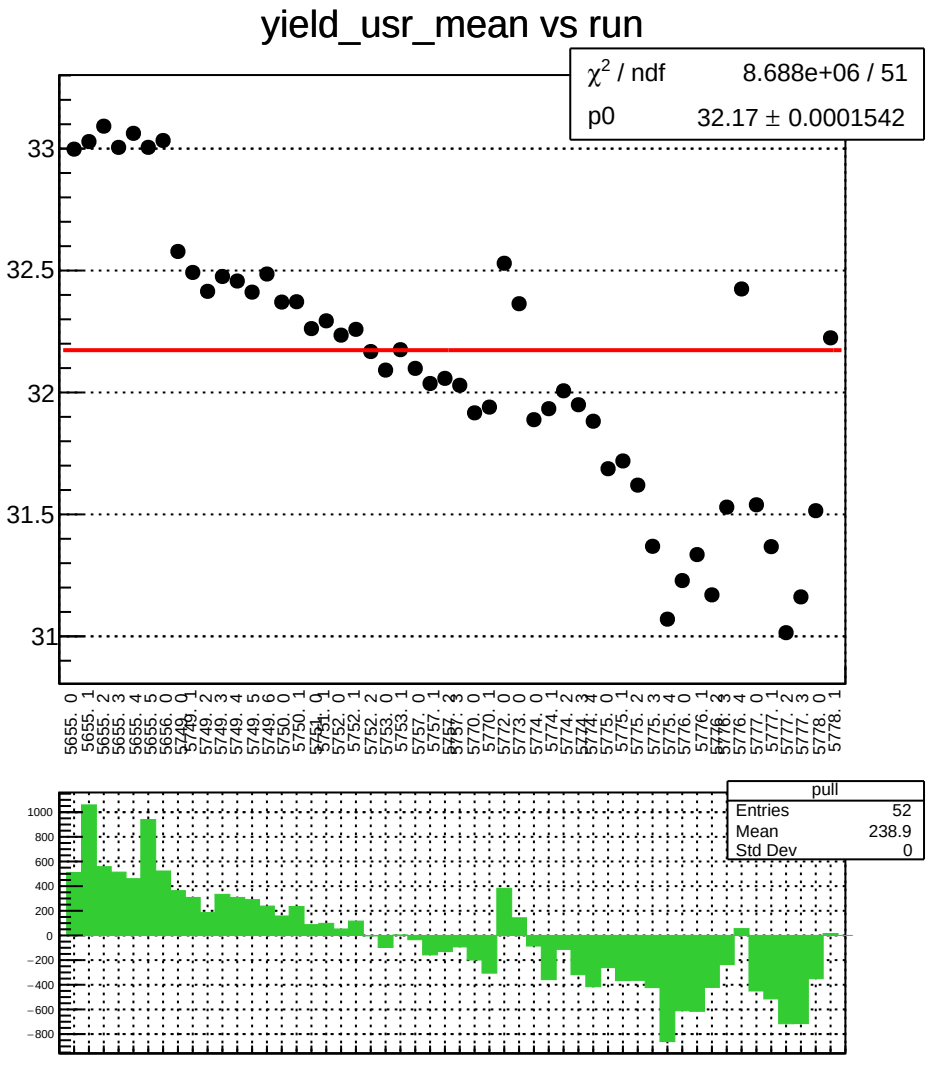

pull1D
Entries 52
Mean −0.09493
Std Dev 1.014

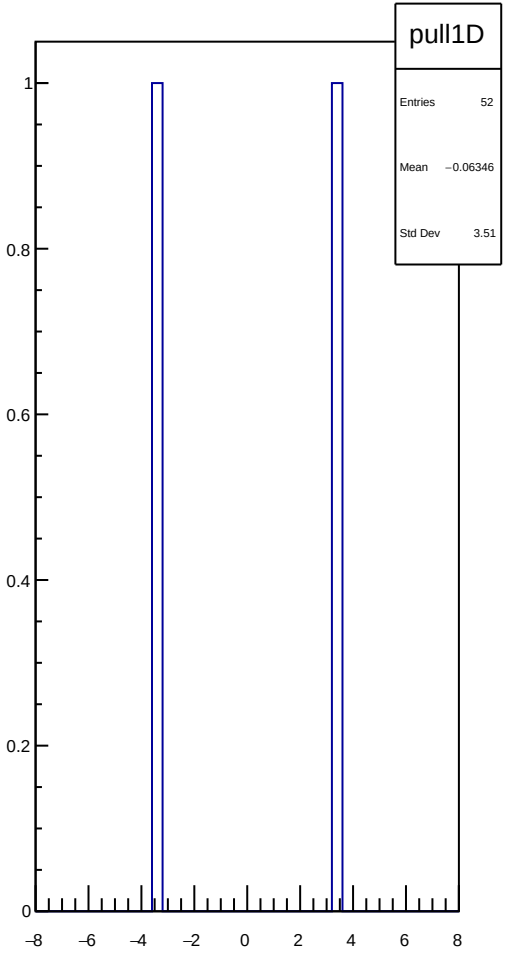

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.927e+05 / 51
p0 1.247e−11 ± 1.757e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

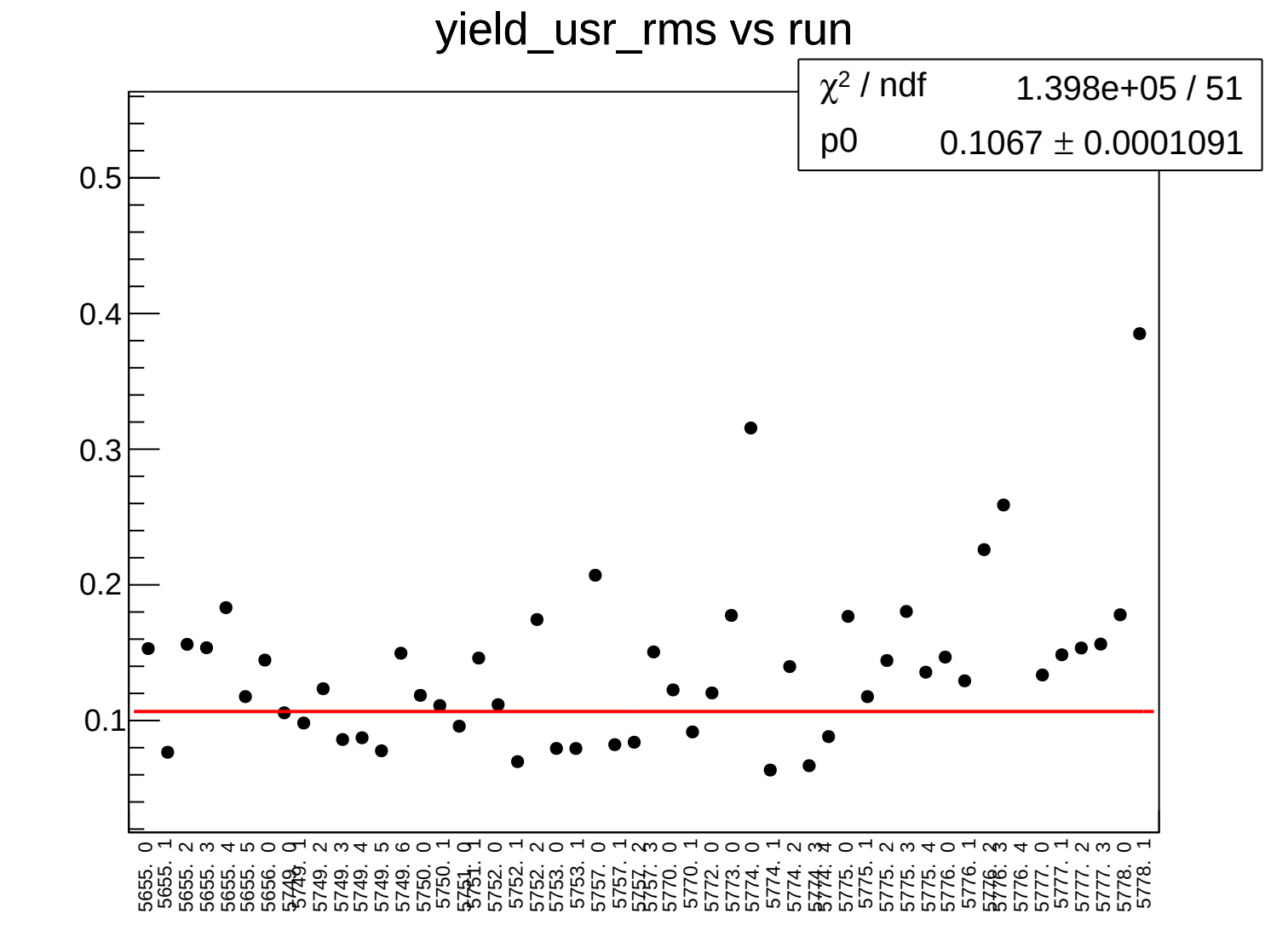

yield_usl_mean vs run
χ² / ndf 1.702e+07 / 51
p0 31.38 ± 0.0001369
32.5
32
31.5
31
30.5
30
pull
Entries 52
Mean 246.2
Std Dev 0
1500
1000
500
0
−500
−1000


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_usl_rms vs run
χ² / ndf 1.513e+05 / 51
p0 0.09413 ± 9.683e–05
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


yield_usr_mean vs run
χ² / ndf 8.688e+06 / 51
p0 32.17 ± 0.0001542
33
32.5
32
31.5
31
pull
Entries 52
Mean 238.9
Std Dev 0
1000
800
600
400
200
0
−200
−400
−600
−800


pull1D
Entries 52
Mean −0.06346
Std Dev 3.51
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_usr_rms vs run
χ² / ndf 1.398e+05 / 51
p0 0.1067 ± 0.0001091
0.5
0.4
0.3
0.2
0.1
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
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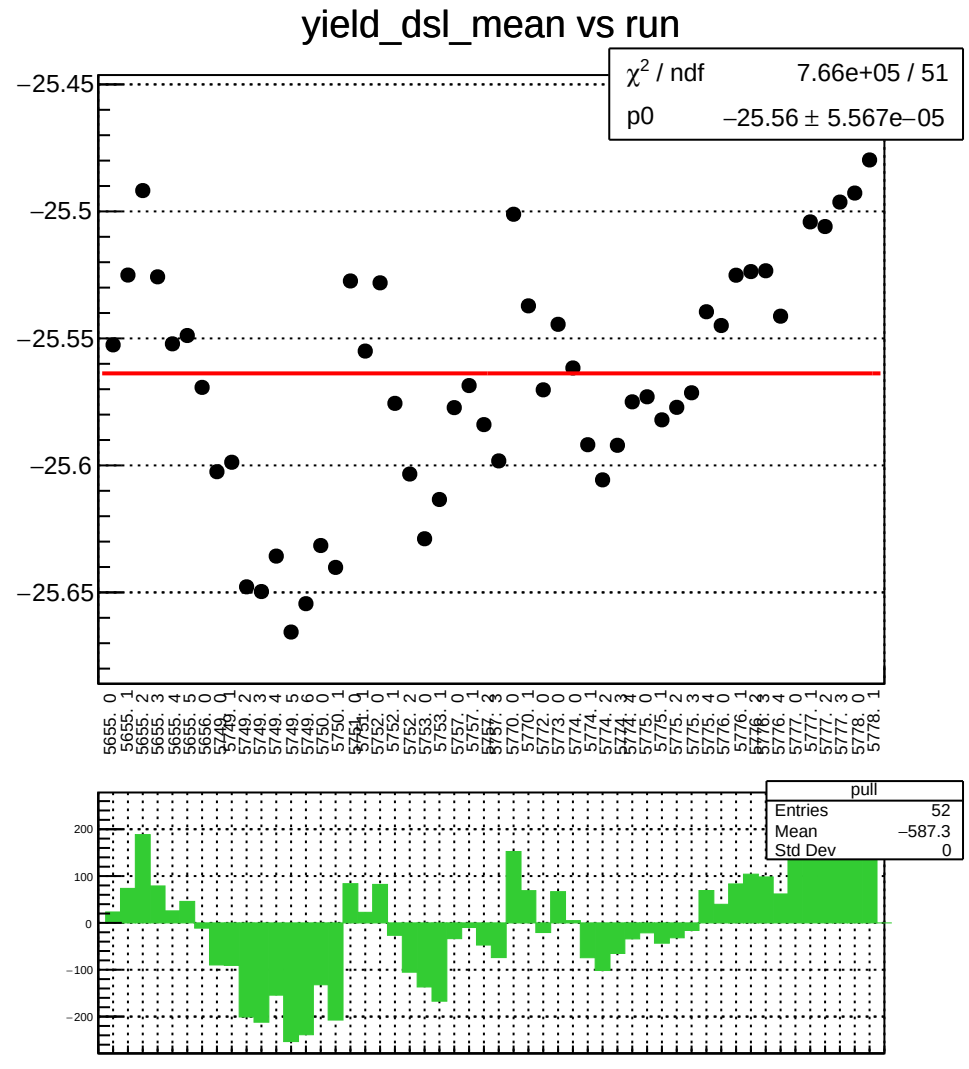
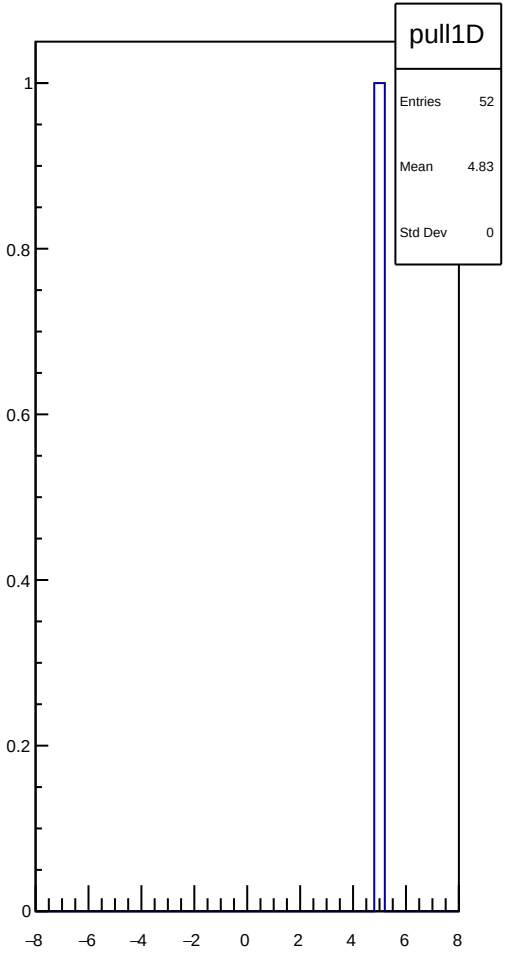
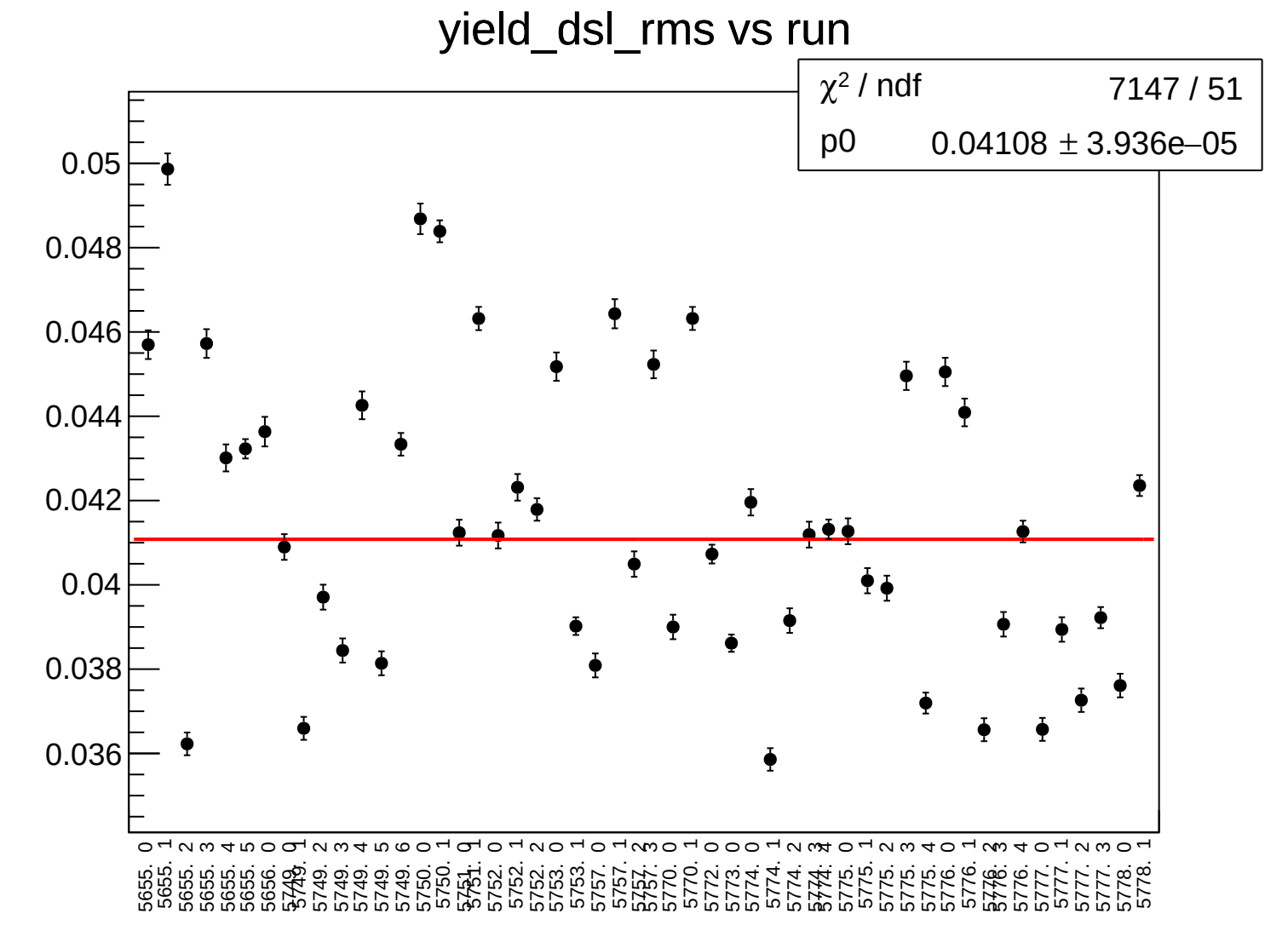
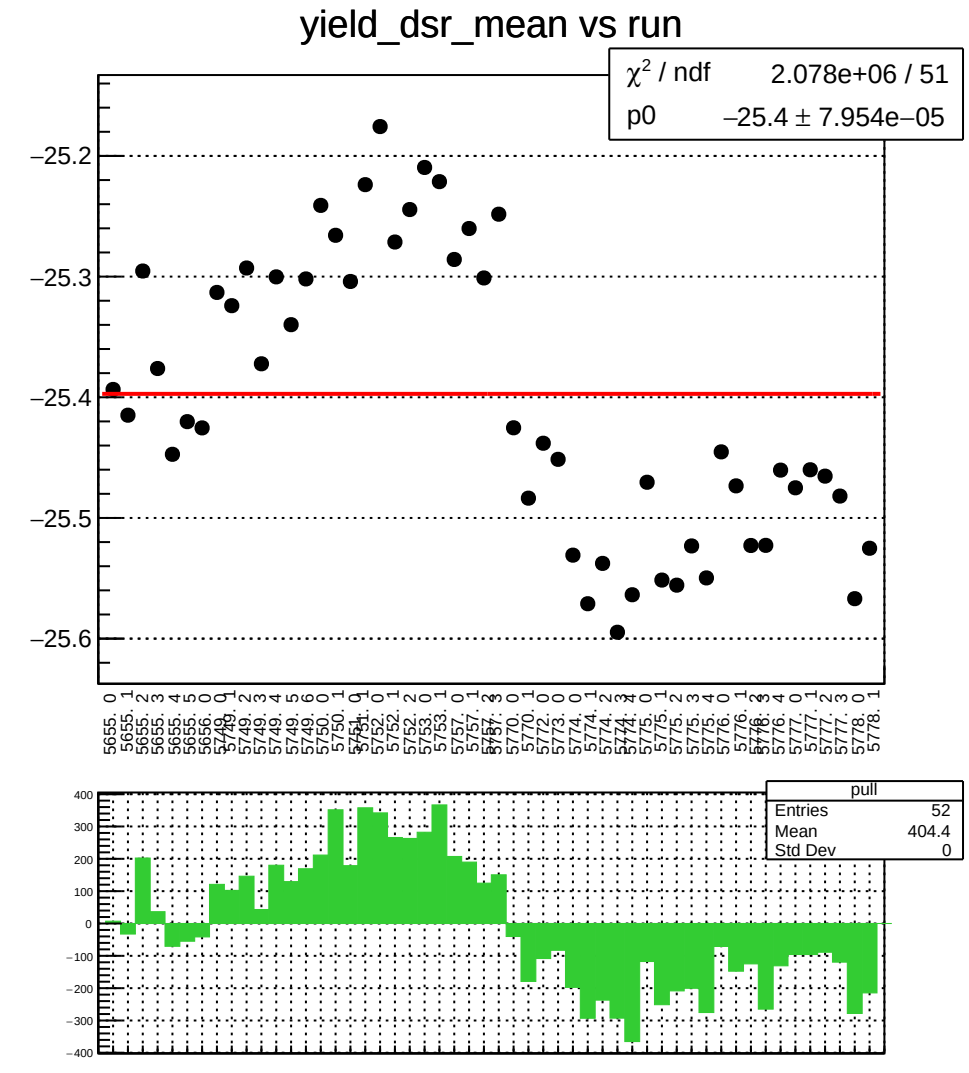
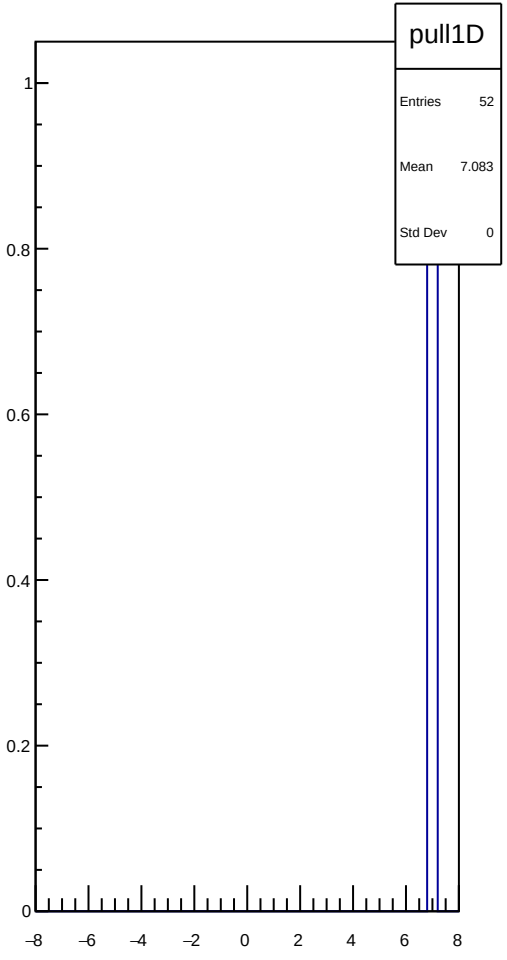
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

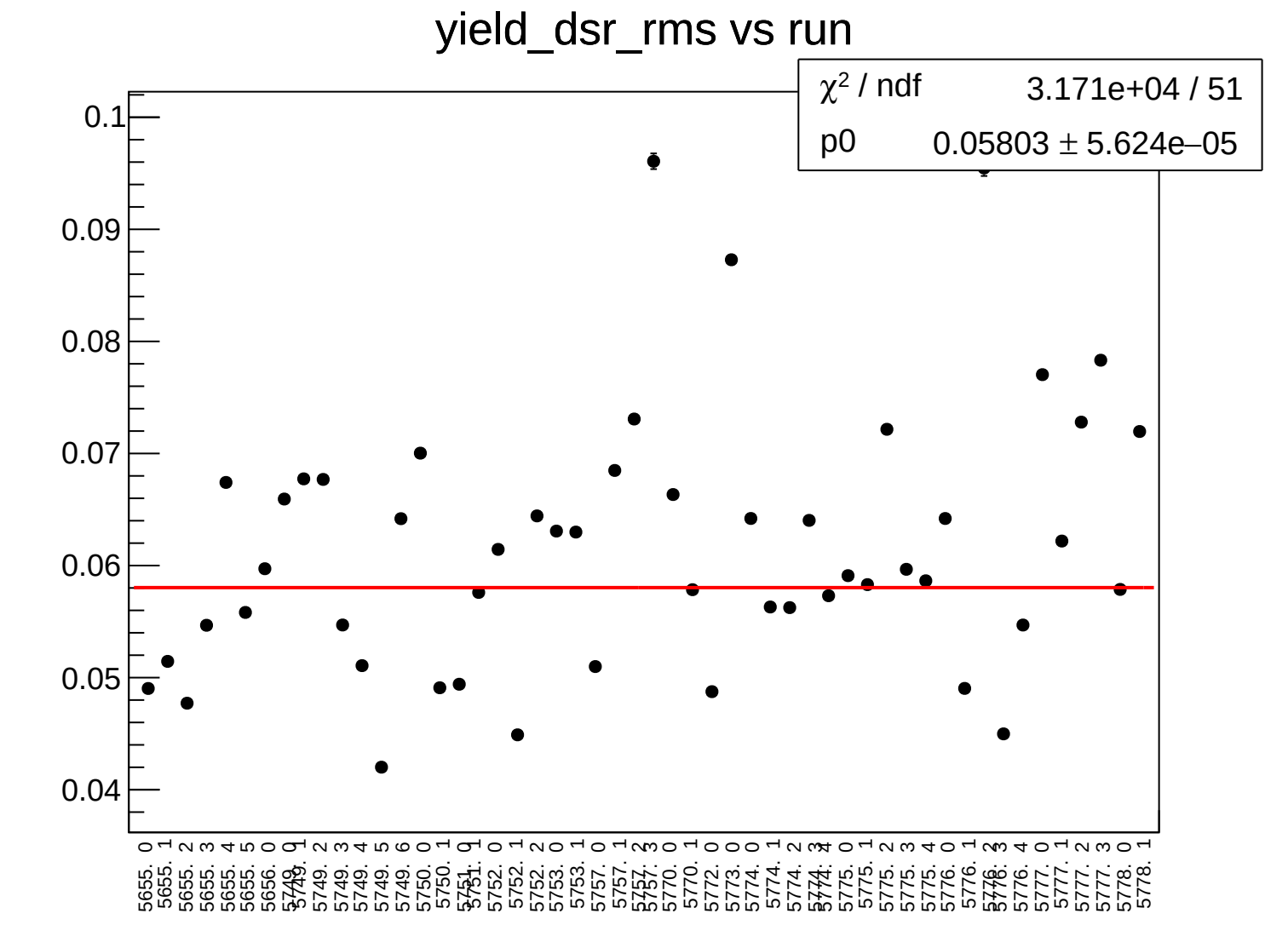

yield_dsl_mean vs run
χ² / ndf 7.66e+05 / 51
p0 −25.56 ± 5.567e−05
−25.45
−25.5
−25.55
−25.6
−25.65
pull
Entries 52
Mean −587.3
Std Dev 0
200
100
0
−100
−200

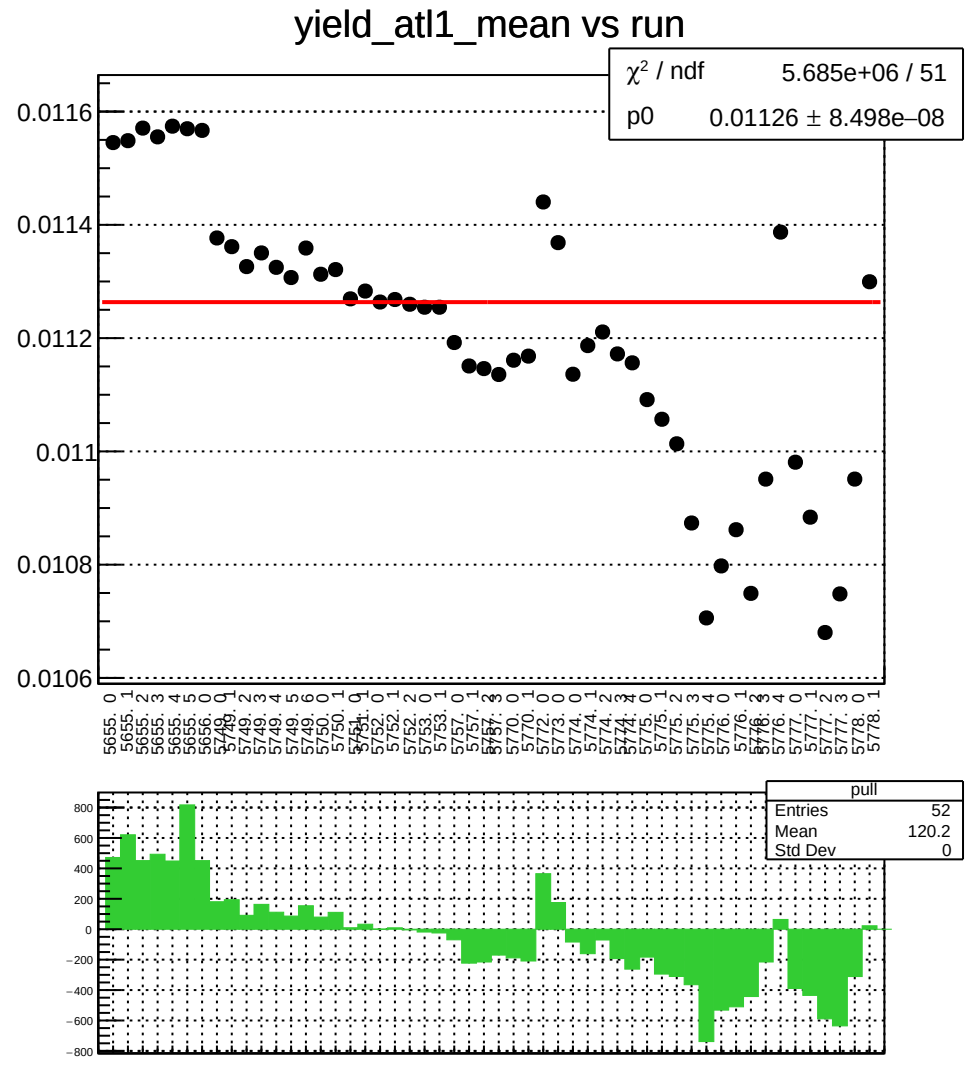

pull1D
Entries 52
Mean 4.83
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

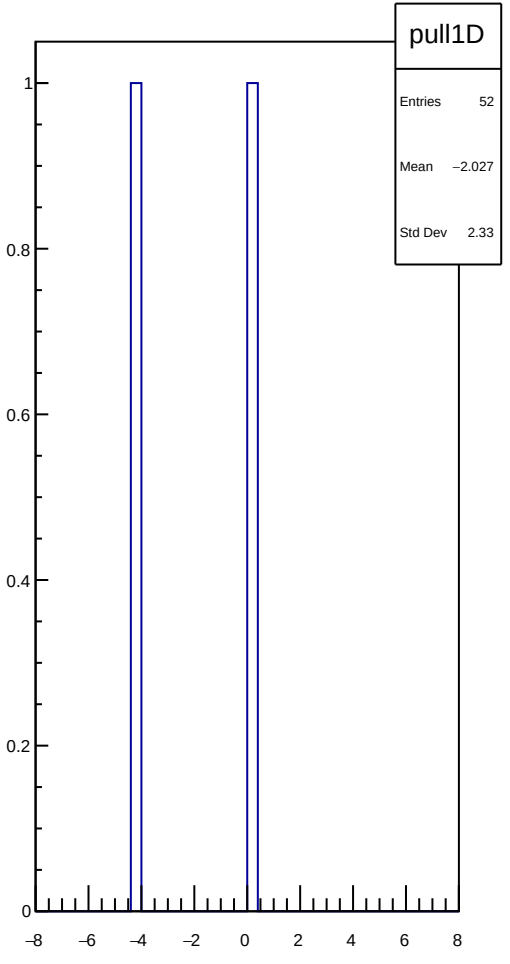

yield_dsl_rms vs run
χ² / ndf 7147 / 51
p0 0.04108 ± 3.936e–05
0.05
0.048
0.046
0.044
0.042
0.04
0.038
0.036
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

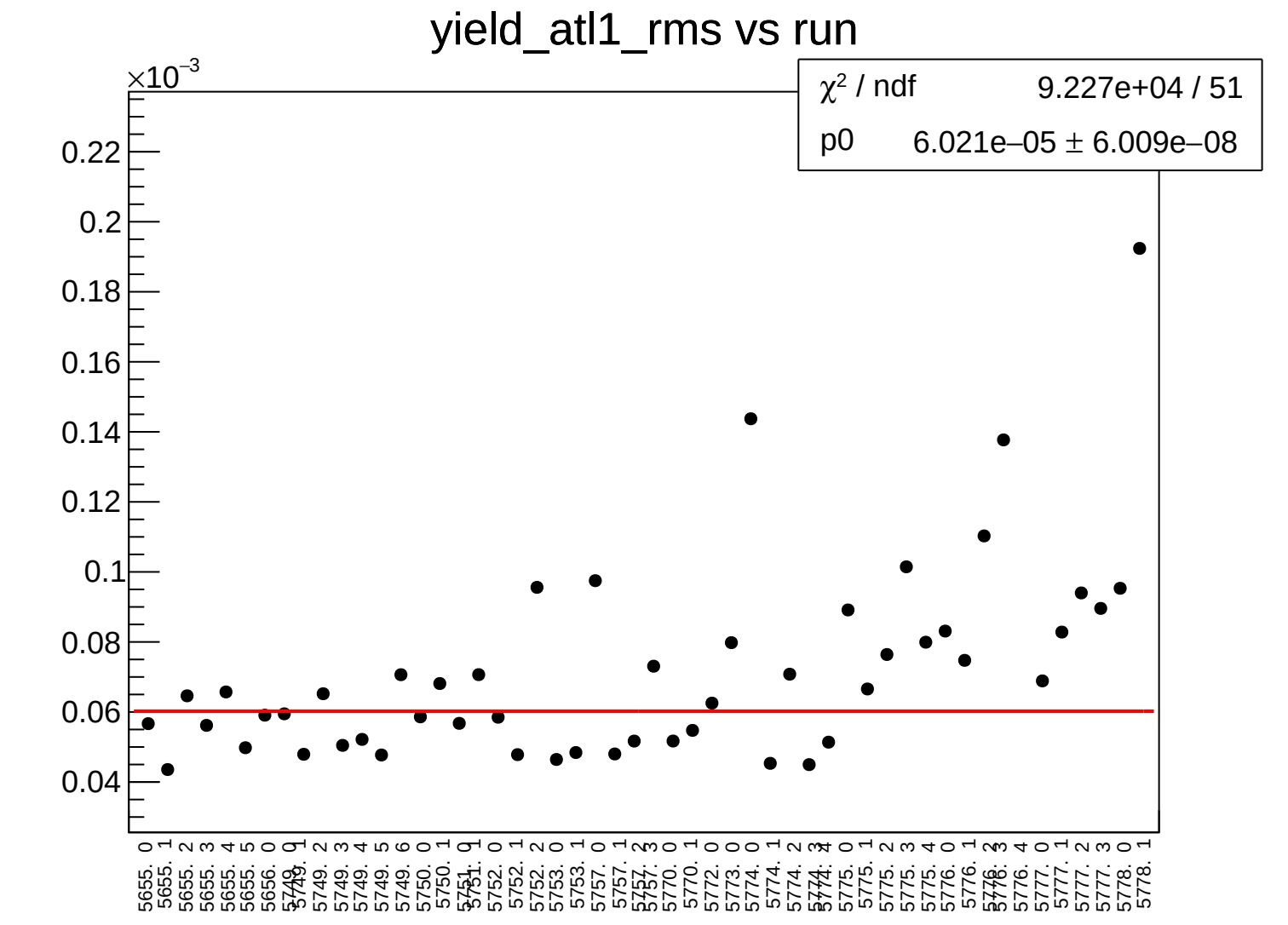

yield_dsr_mean vs run
χ² / ndf 2.078e+06 / 51
p0 −25.4 ± 7.954e−05
−25.2
−25.3
−25.4
−25.5
−25.6
pull
Entries 52
Mean 404.4
Std Dev 0
400
300
200
100
0
−100
−200
−300
−400

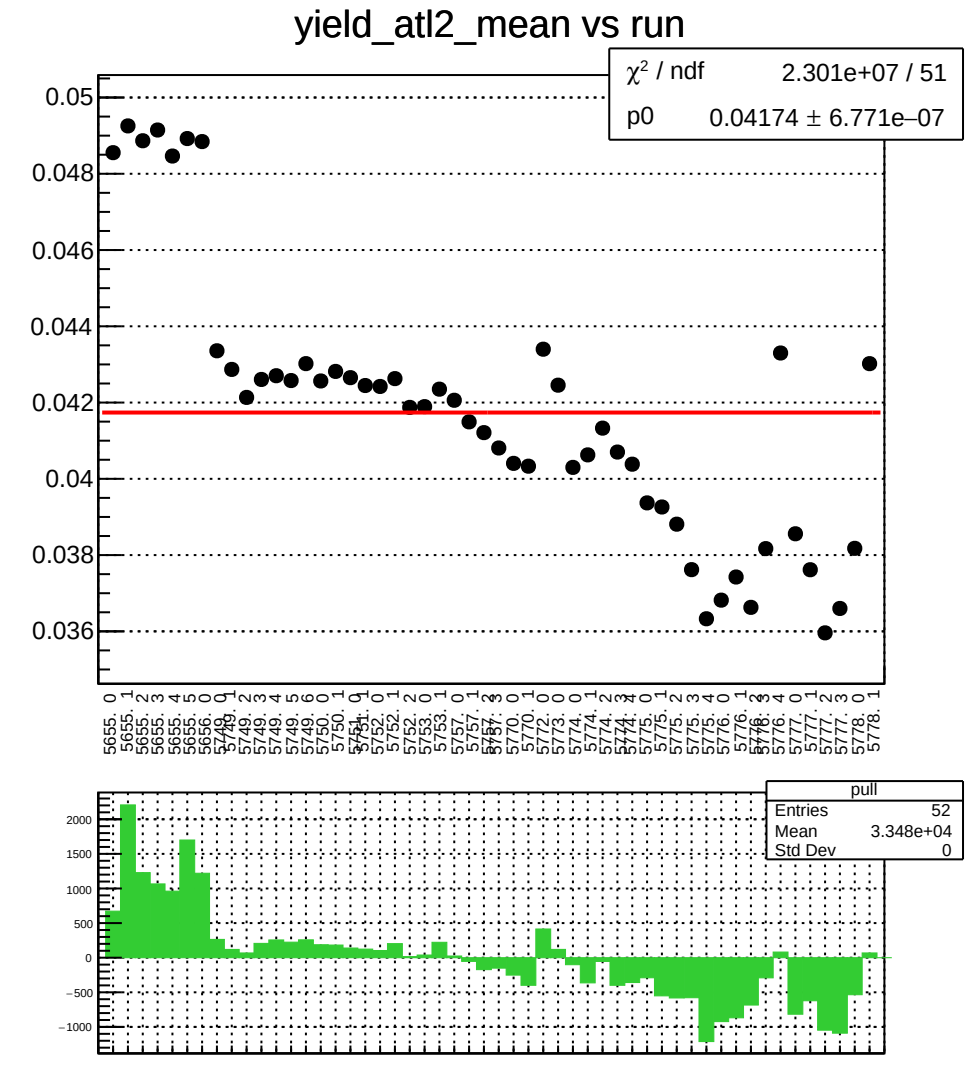

pull1D
Entries 52
Mean 7.083
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

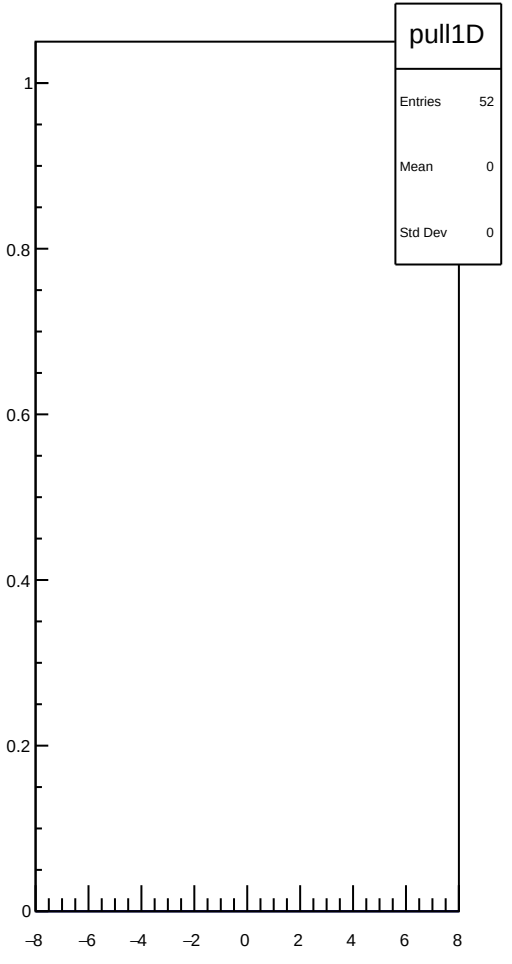

yield_dsr_rms vs run
χ² / ndf 3.171e+04 / 51
p0 0.05803 ± 5.624e−05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

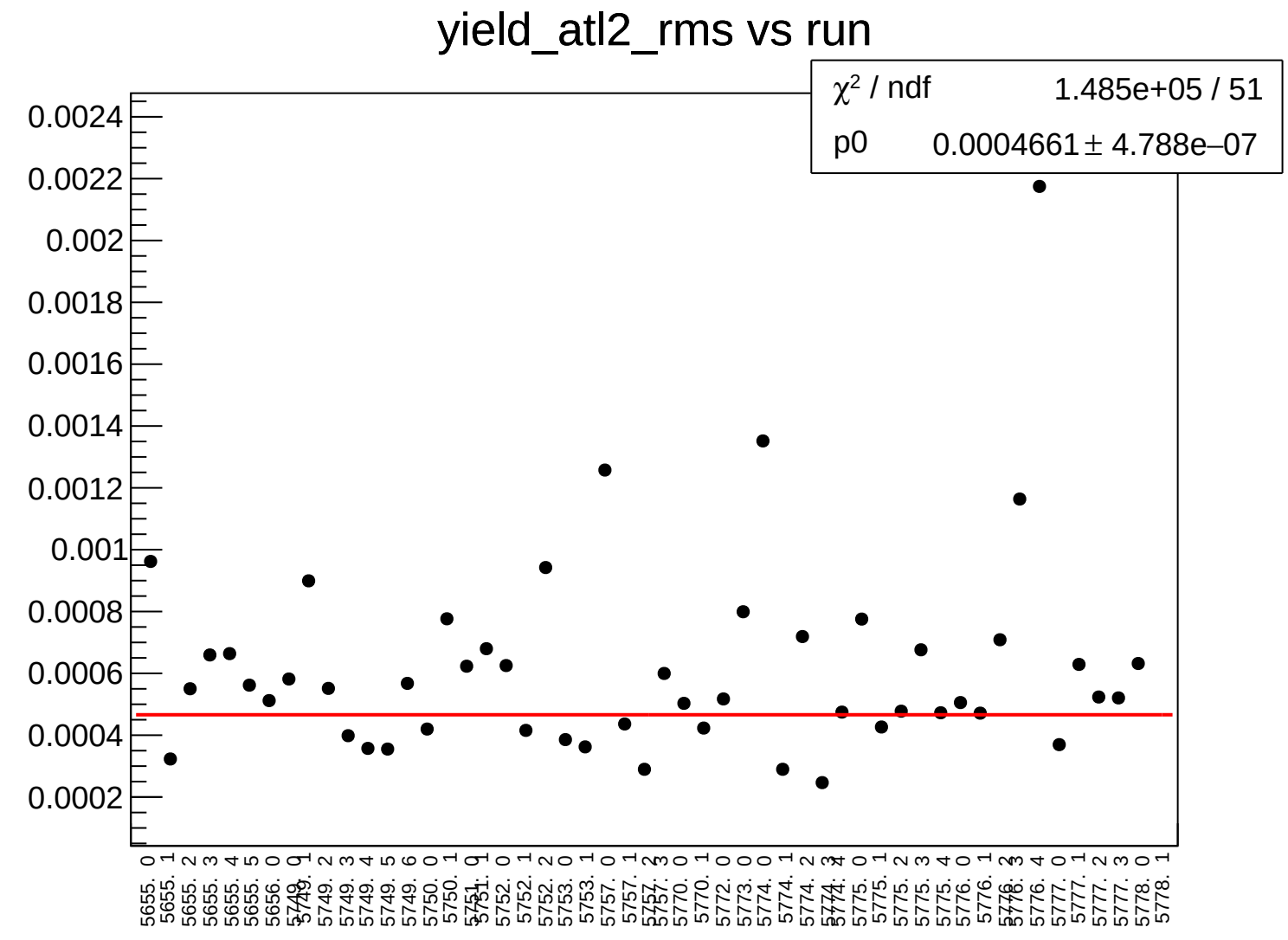

yield_atl1_mean vs run
χ² / ndf 5.685e+06 / 51
p0 0.01126 ± 8.498e−08
0.0116
0.0114
0.0112
0.011
0.0108
0.0106
pull
Entries 52
Mean 120.2
Std Dev 0
800
600
400
200
0
−200
−400
−600
−800

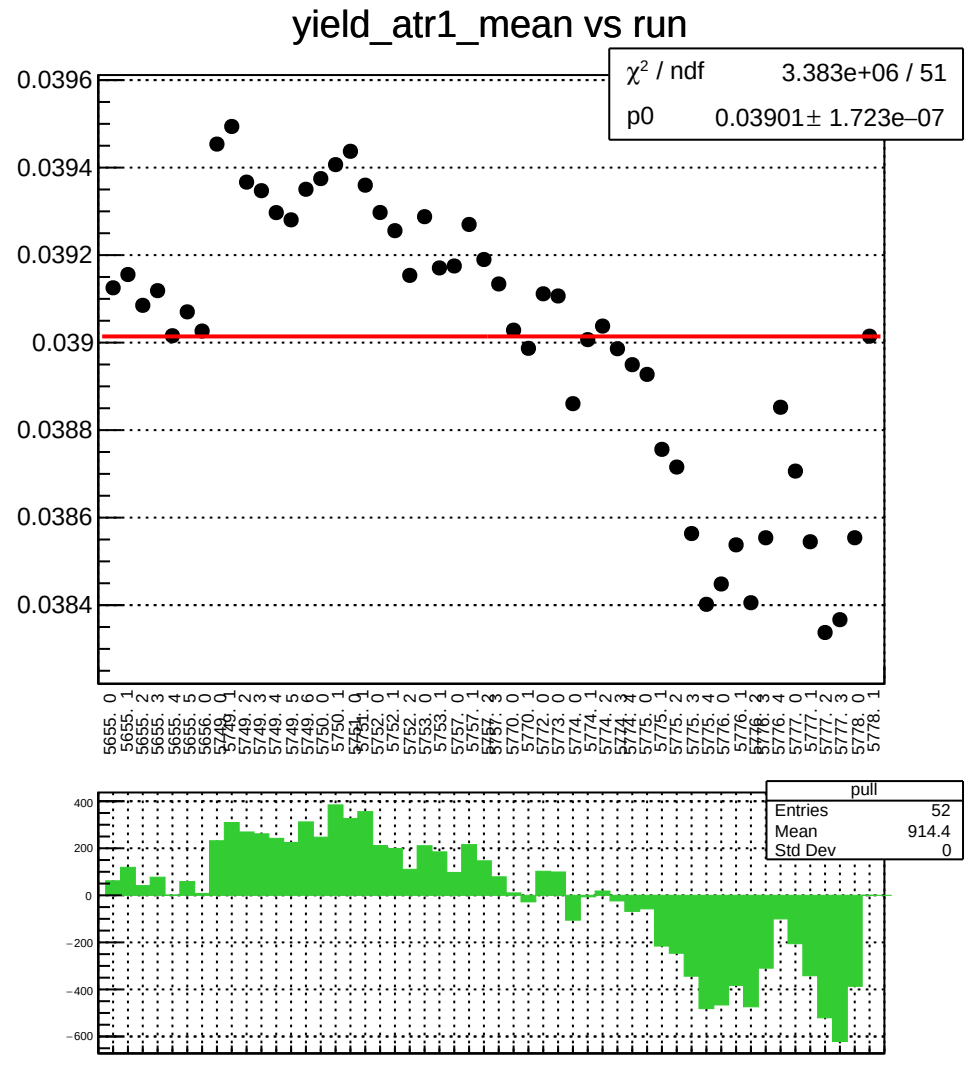

pull1D
Entries 52
Mean −2.027
Std Dev 2.33
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

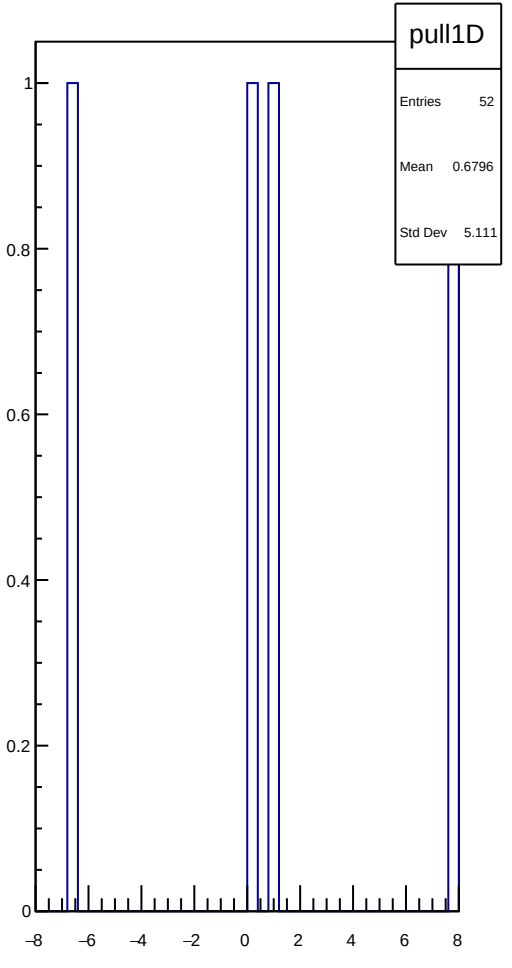

yield_atl1_rms vs run
×10⁻³
χ² / ndf 9.227e+04 / 51
p0 6.021e−05 ± 6.009e−08
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

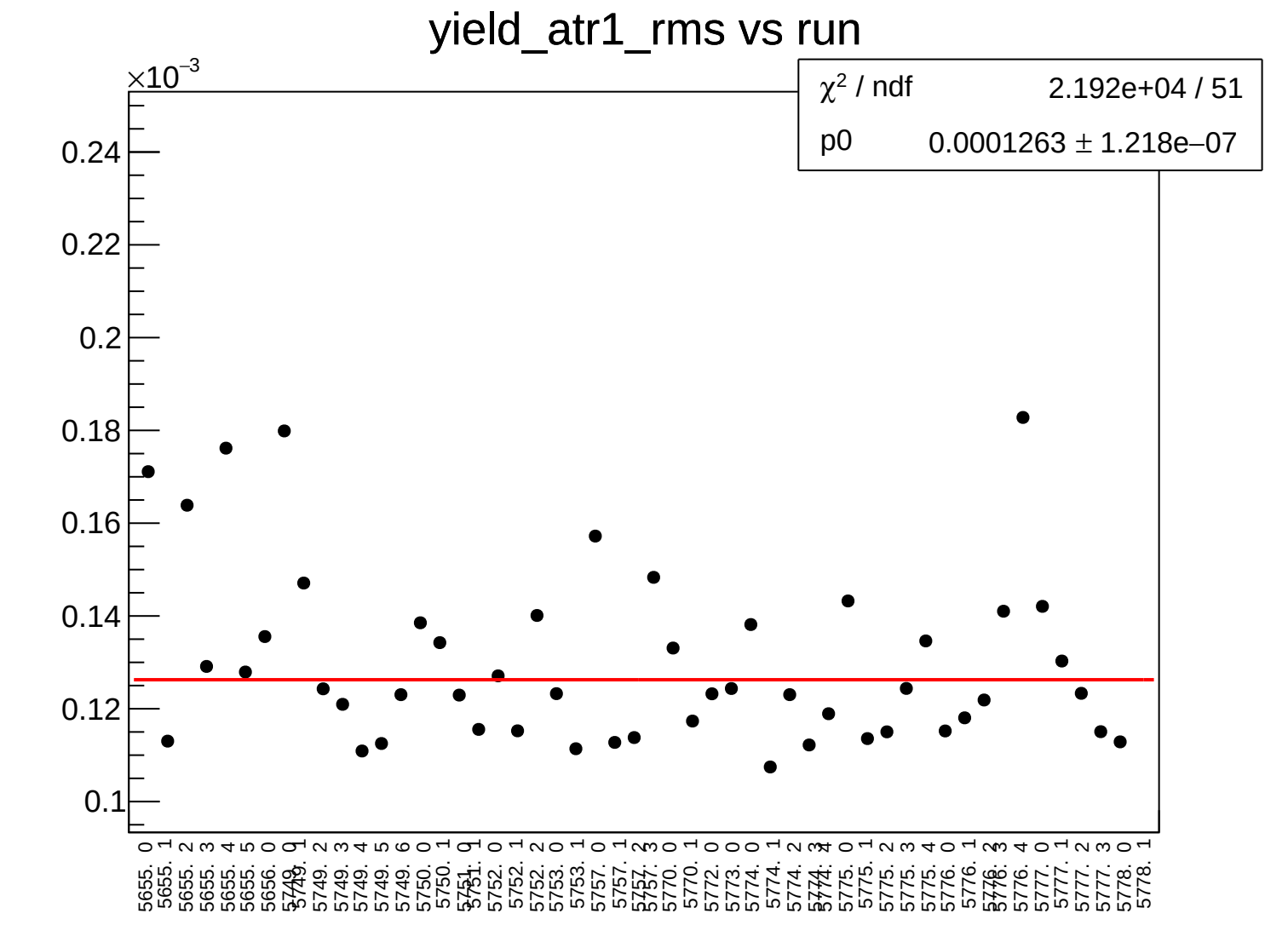

yield_atl2_mean vs run
χ² / ndf 2.301e+07 / 51
p0 0.04174 ± 6.771e−07
0.05
0.048
0.046
0.044
0.042
0.04
0.038
0.036
pull
Entries 52
Mean 3.348e+04
Std Dev 0
2000
1500
1000
500
0
−500
−1000

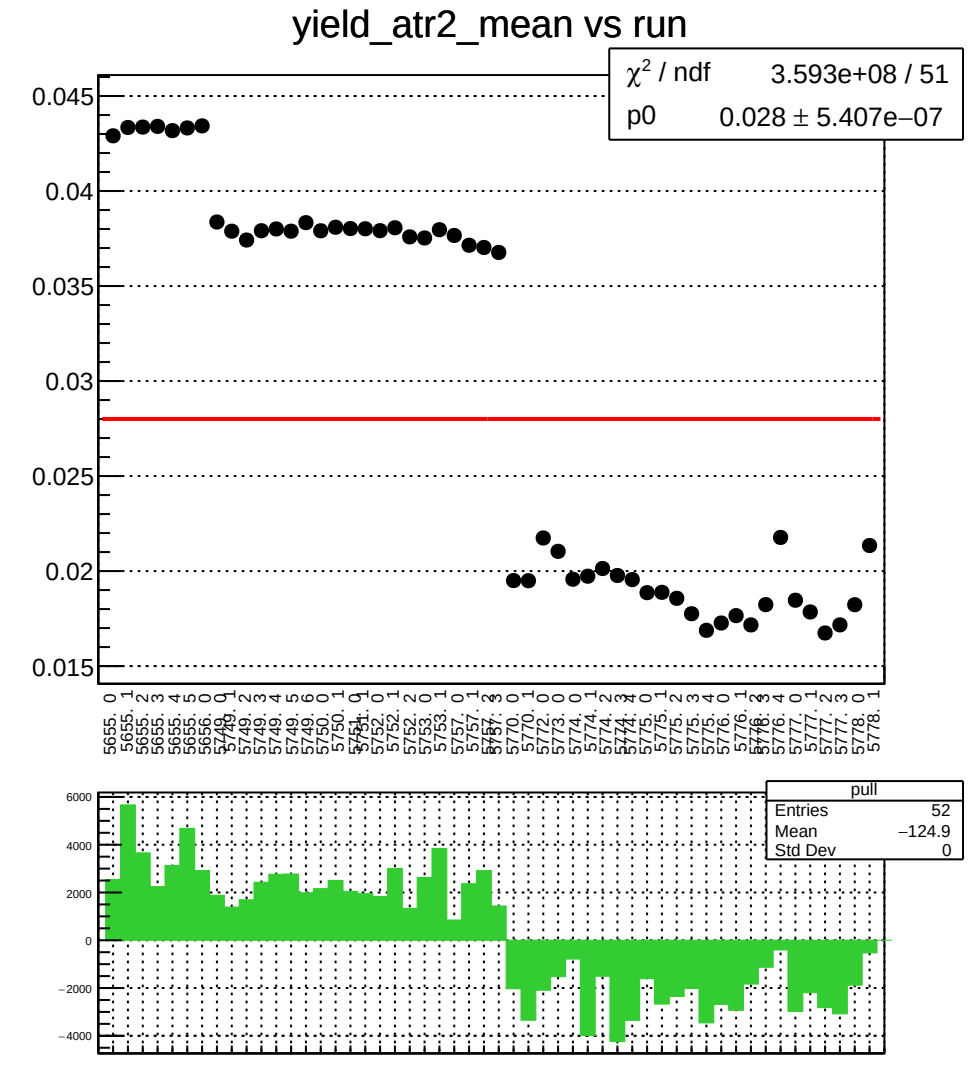

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

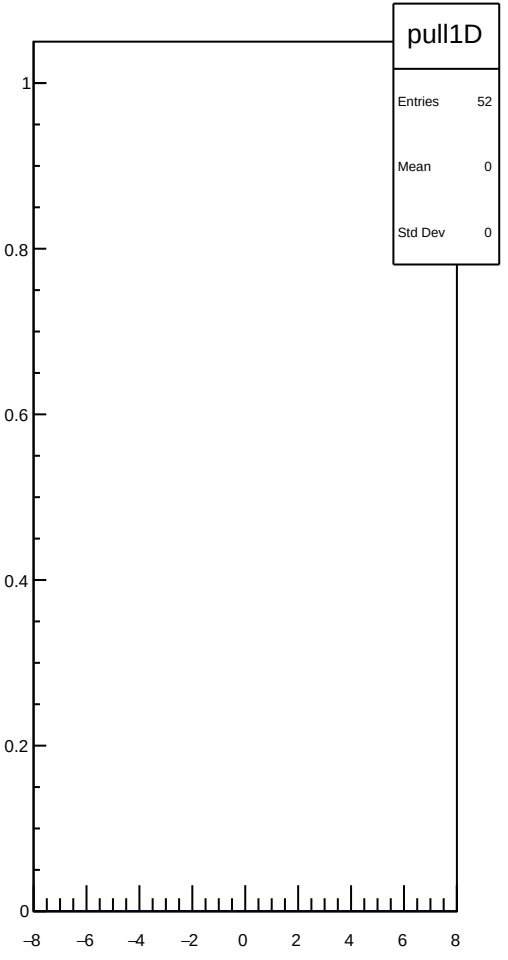

yield_atl2_rms vs run
χ² / ndf 1.485e+05 / 51
p0 0.0004661 ± 4.788e−07
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

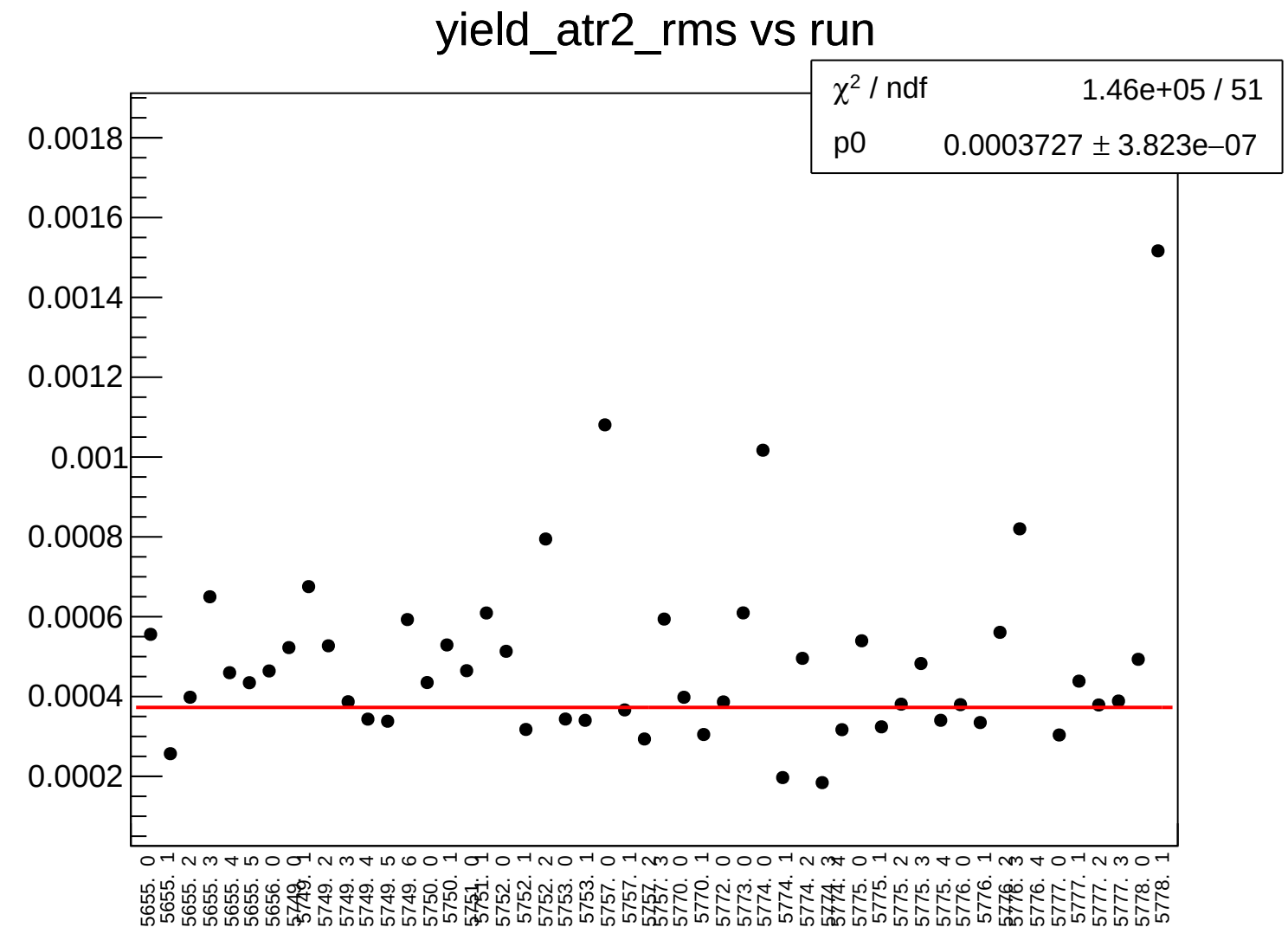

yield_atr1_mean vs run
χ² / ndf 3.383e+06 / 51
p0 0.03901± 1.723e–07
0.0396
0.0394
0.0392
0.039
0.0388
0.0386
0.0384
pull
Entries 52
Mean 914.4
Std Dev 0
400
200
0
–200
–400
–600

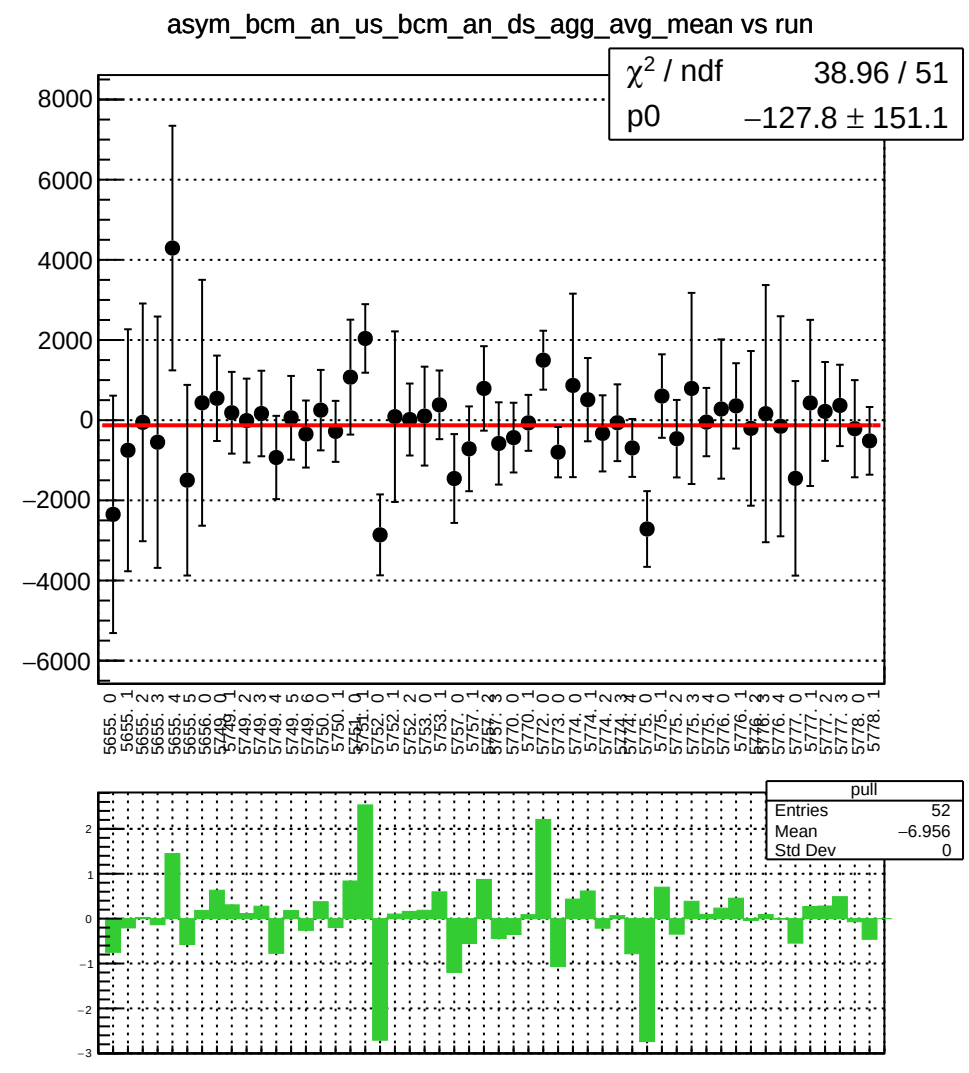

pull1D
Entries 52
Mean 0.6796
Std Dev 5.111
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

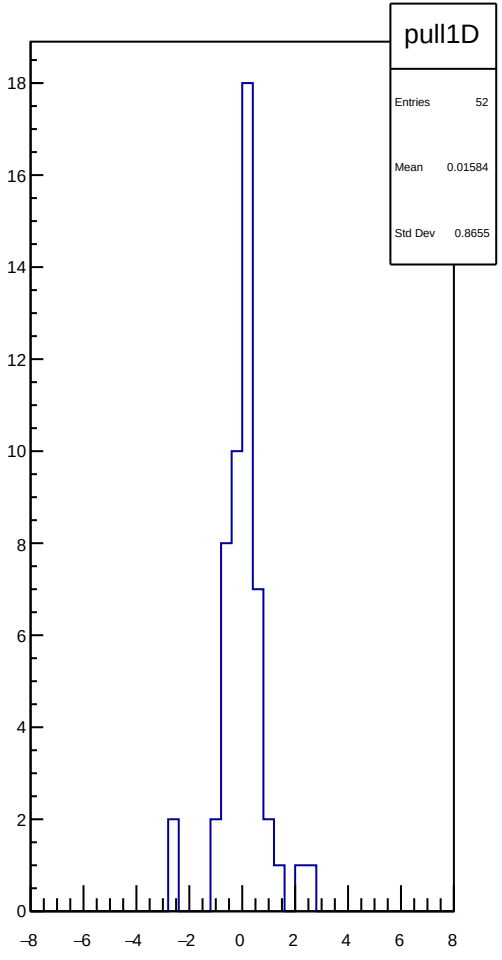

yield_atr1_rms vs run
×10⁻³
χ² / ndf 2.192e+04 / 51
p0 0.0001263 ± 1.218e−07
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1

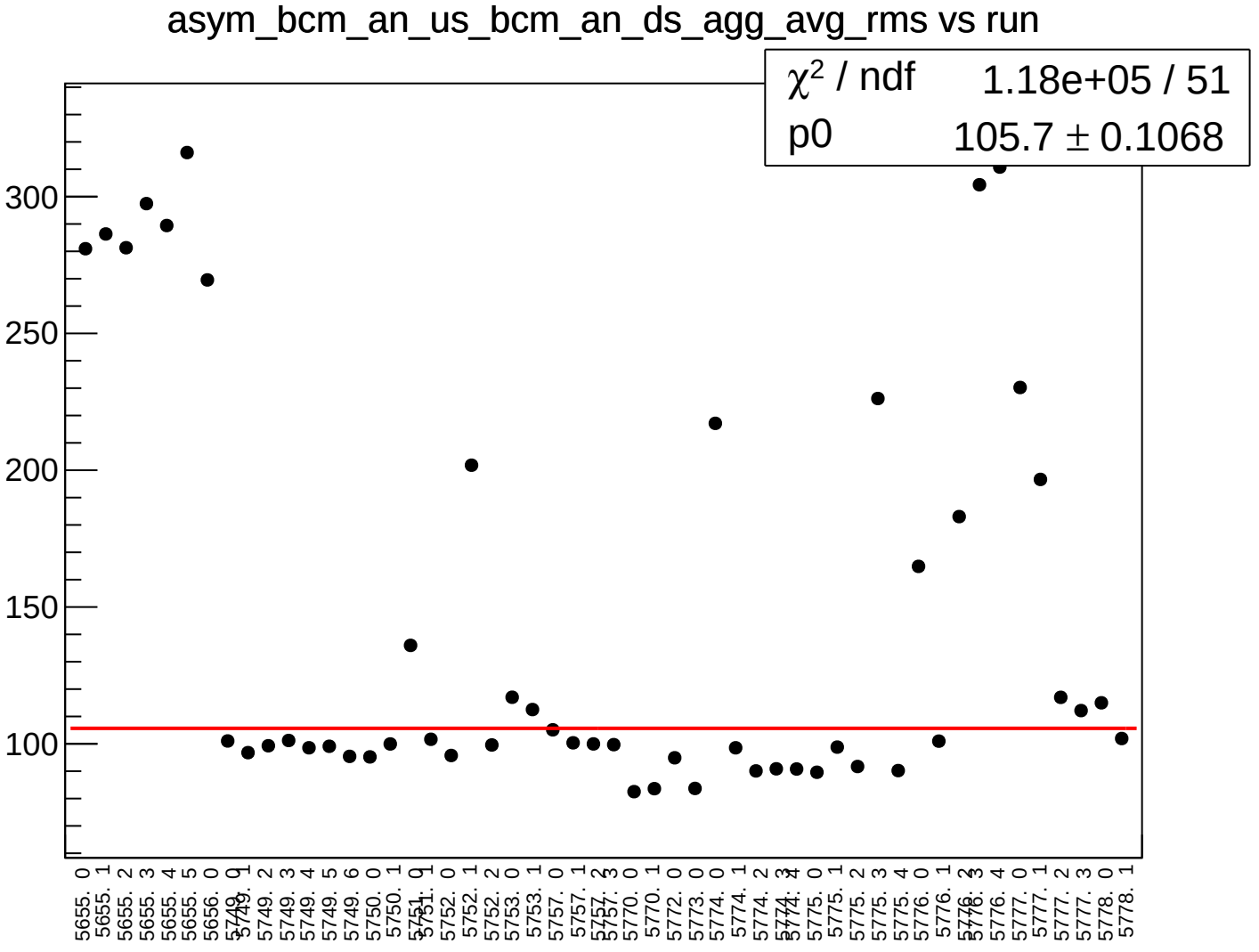

yield_atr2_mean vs run
χ^2 / ndf 3.593e+08 / 51
p0 0.028 ± 5.407e−07
0.045
0.04
0.035
0.03
0.025
0.02
0.015
pull
Entries 52
Mean −124.9
Std Dev 0
6000
4000
2000
0
−2000
−4000

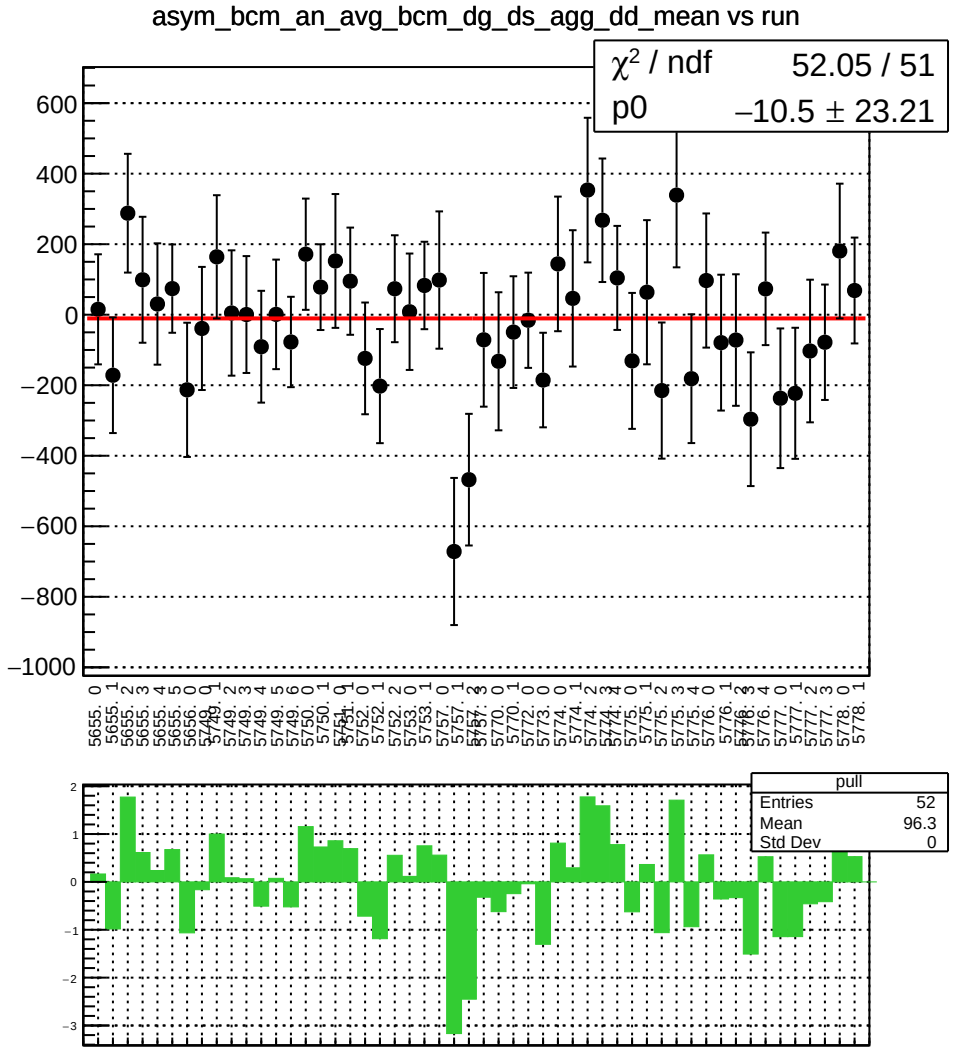

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

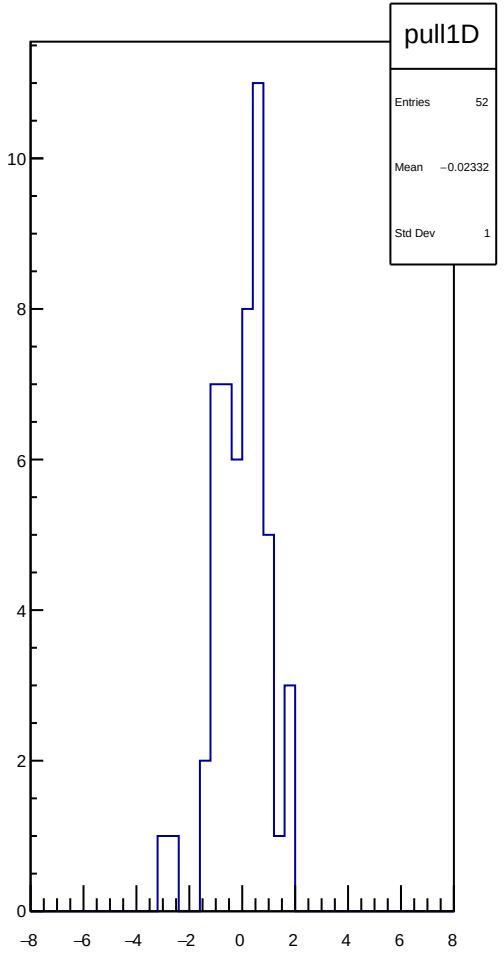

yield_atr2_rms vs run
χ² / ndf 1.46e+05 / 51
p0 0.0003727 ± 3.823e−07
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

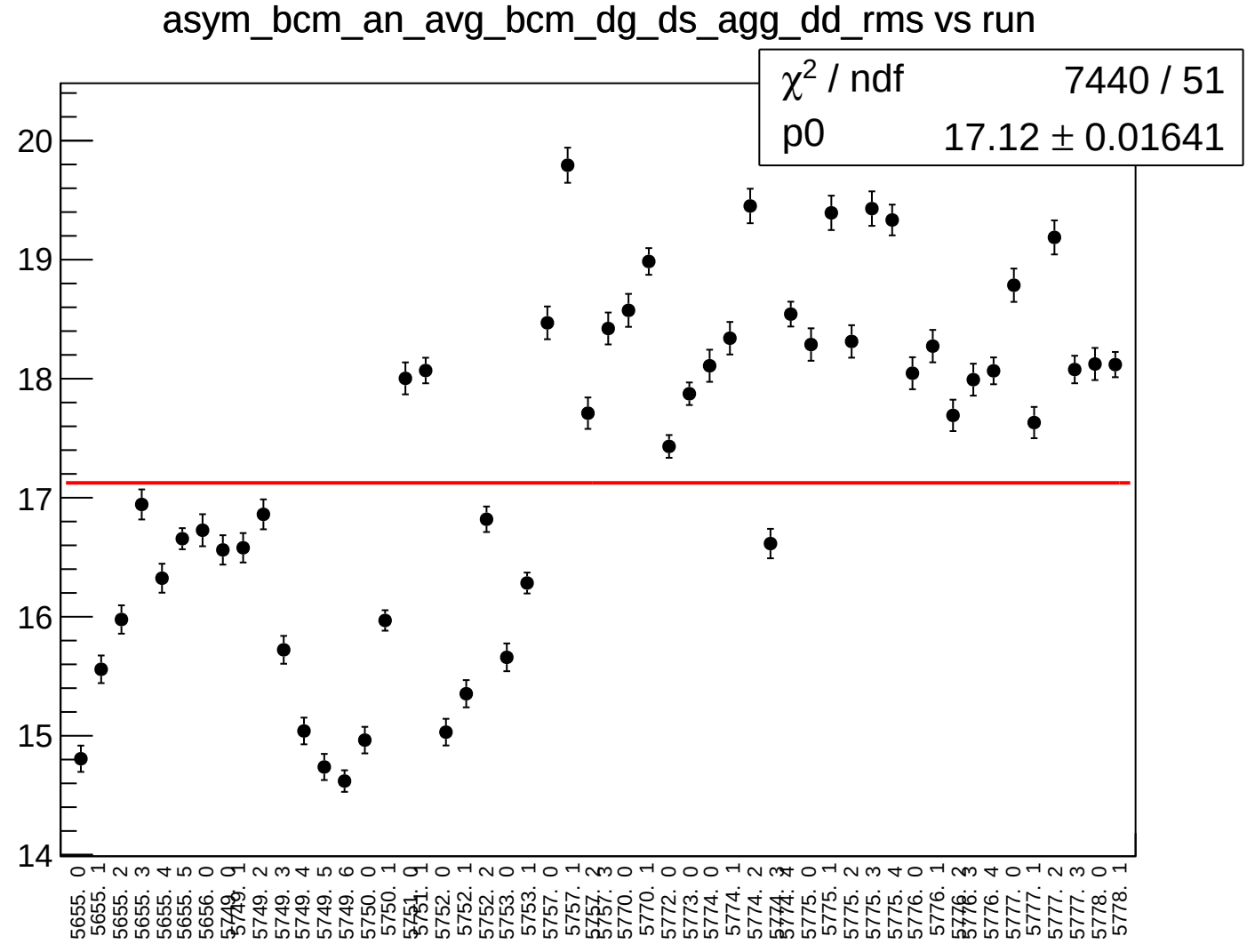

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 38.96 / 51
p0 −127.8 ± 151.1
pull
Entries 52
Mean −6.956
Std Dev 0

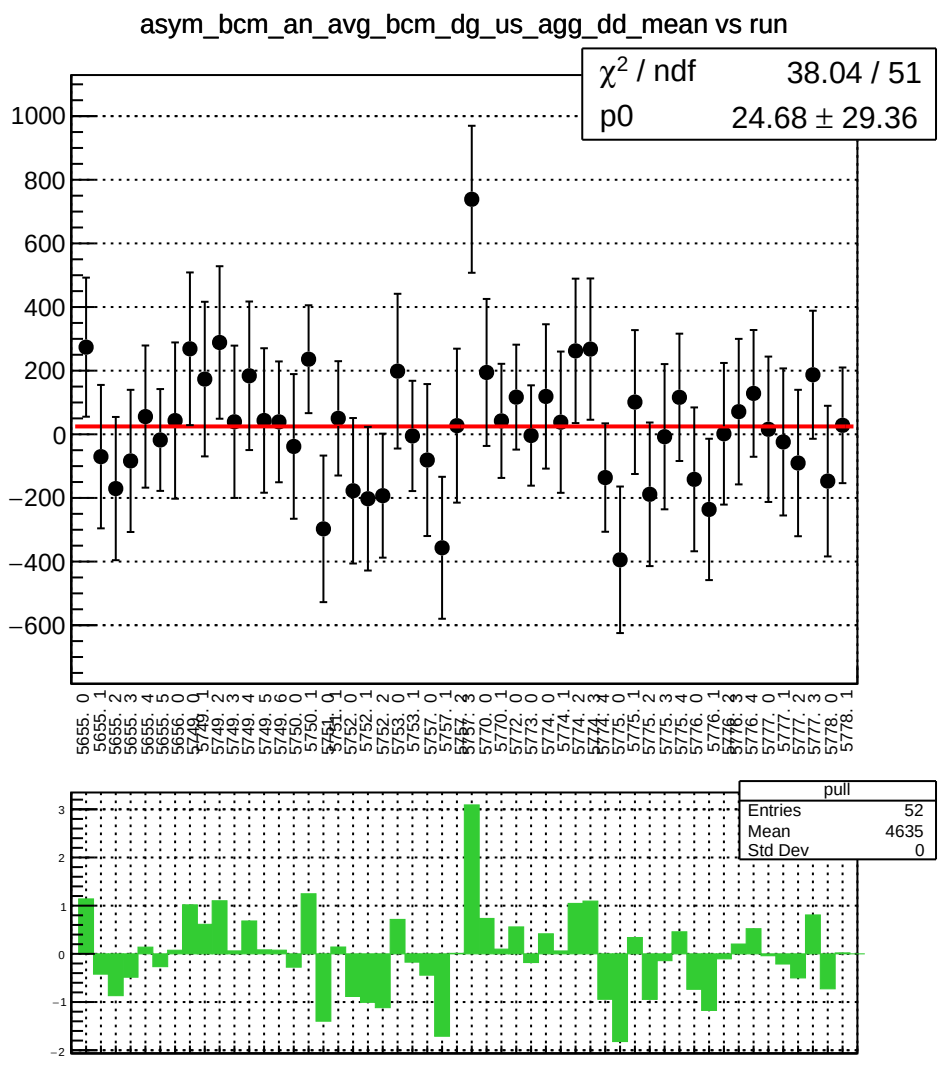

pull1D
Entries 52
Mean 0.01584
Std Dev 0.8655

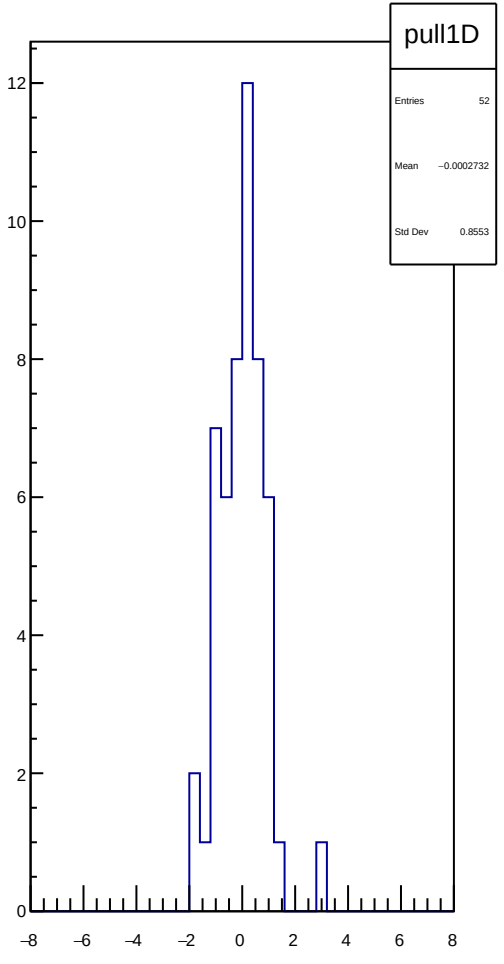

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1.18e+05 / 51
p0 105.7 ± 0.1068
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

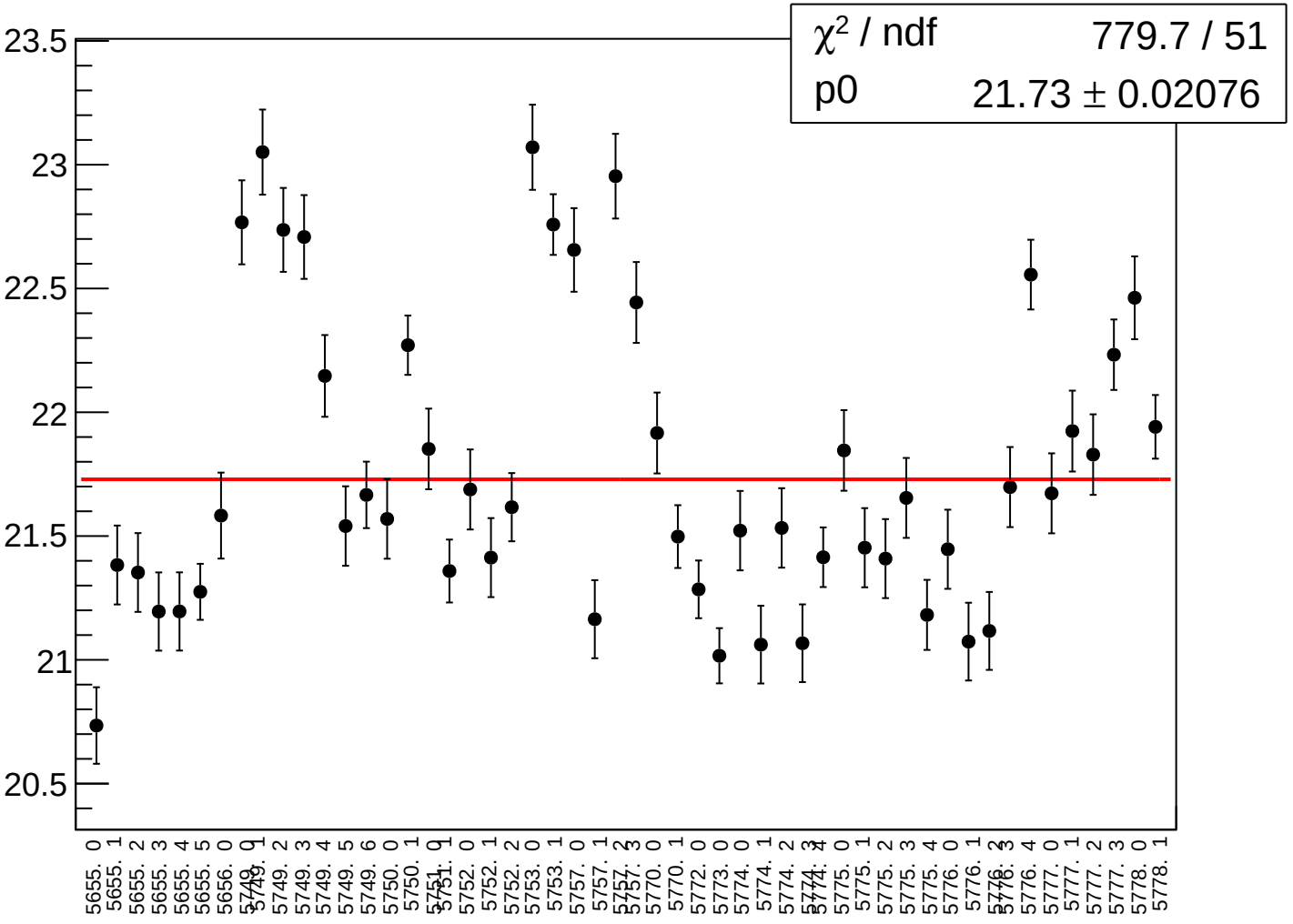

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 52.05 / 51
p0 −10.5 ± 23.21
pull
Entries 52
Mean 96.3
Std Dev 0


pull1D
Entries 52
Mean −0.02332
Std Dev 1


asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 7440 / 51
p0 17.12 ± 0.01641
20
19
18
17
16
15
14
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 38.04 / 51
p0 24.68 ± 29.36
pull
Entries 52
Mean 4635
Std Dev 0


pull1D
Entries 52
Mean −0.0002732
Std Dev 0.8553


asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 779.7 / 51
p0 21.73 ± 0.02076
23.5
23
22.5
22
21.5
21
20.5
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
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5757. 2
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5774. 2
5775. 0
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5775. 3
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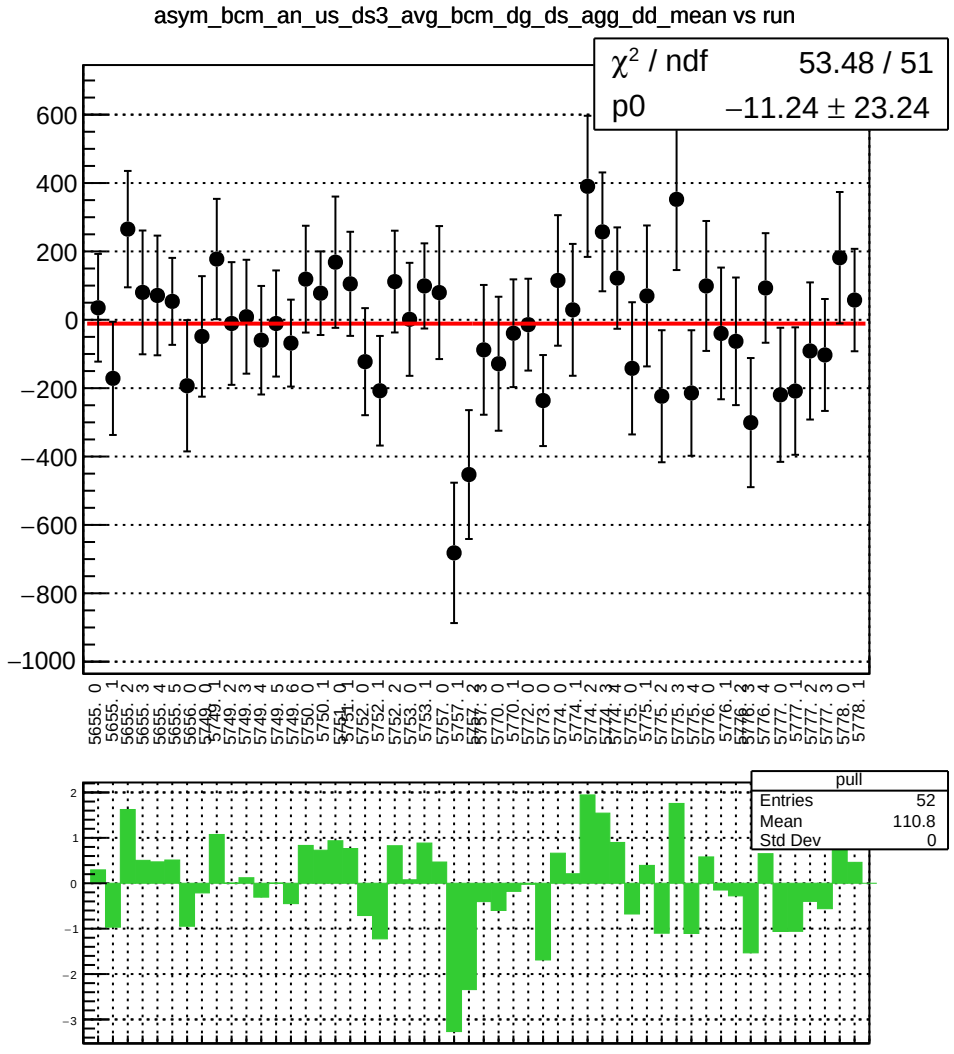
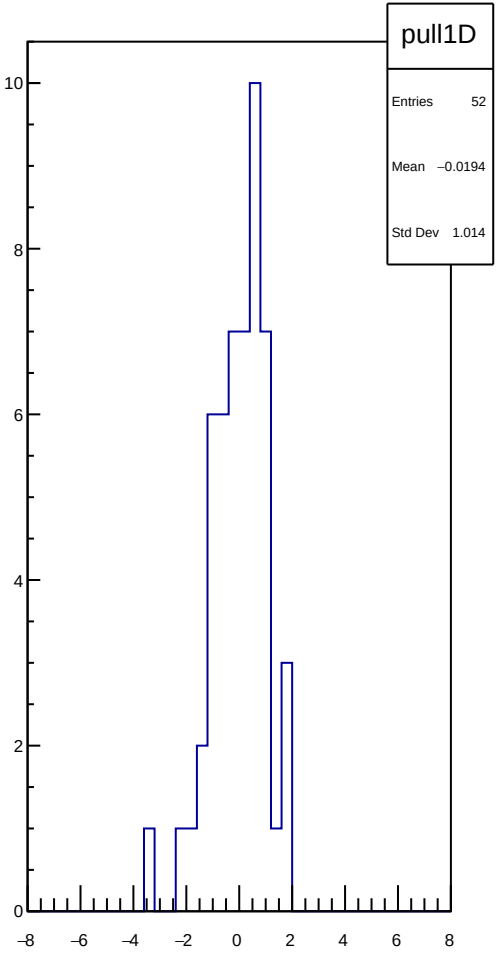
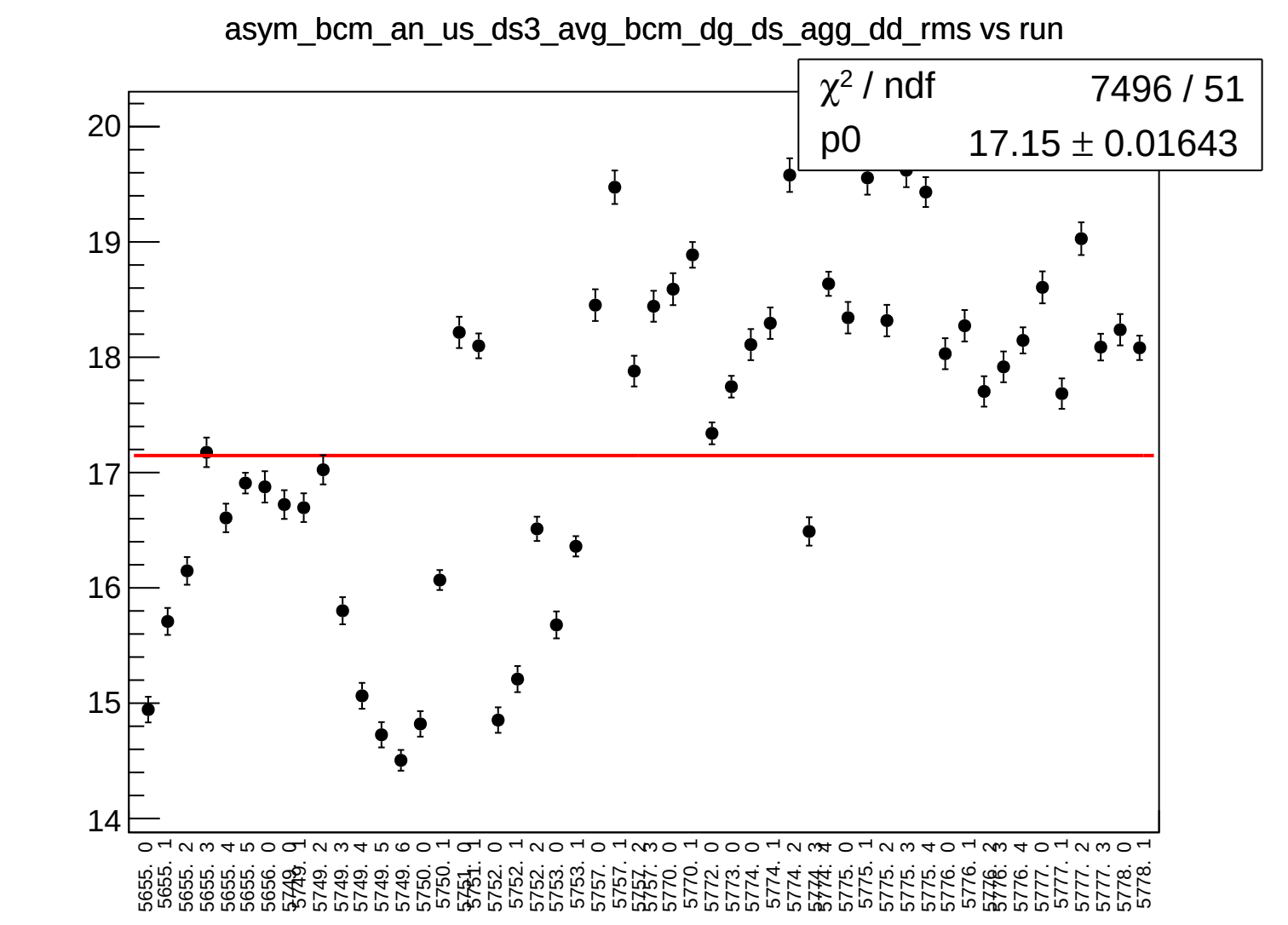

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 53.48 / 51
p0 −11.24 ± 23.24
pull
Entries 52
Mean 110.8
Std Dev 0


pull1D
Entries 52
Mean −0.0194
Std Dev 1.014


asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 7496 / 51
p0 17.15 ± 0.01643
20
19
18
17
16
15
14
5655. 0
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5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5749. 2
5749. 3
5749. 4
5749. 5
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5750. 1
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5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5774. 1
5774. 2
5774. 3
5774. 4
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5775. 2
5775. 3
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5776. 0
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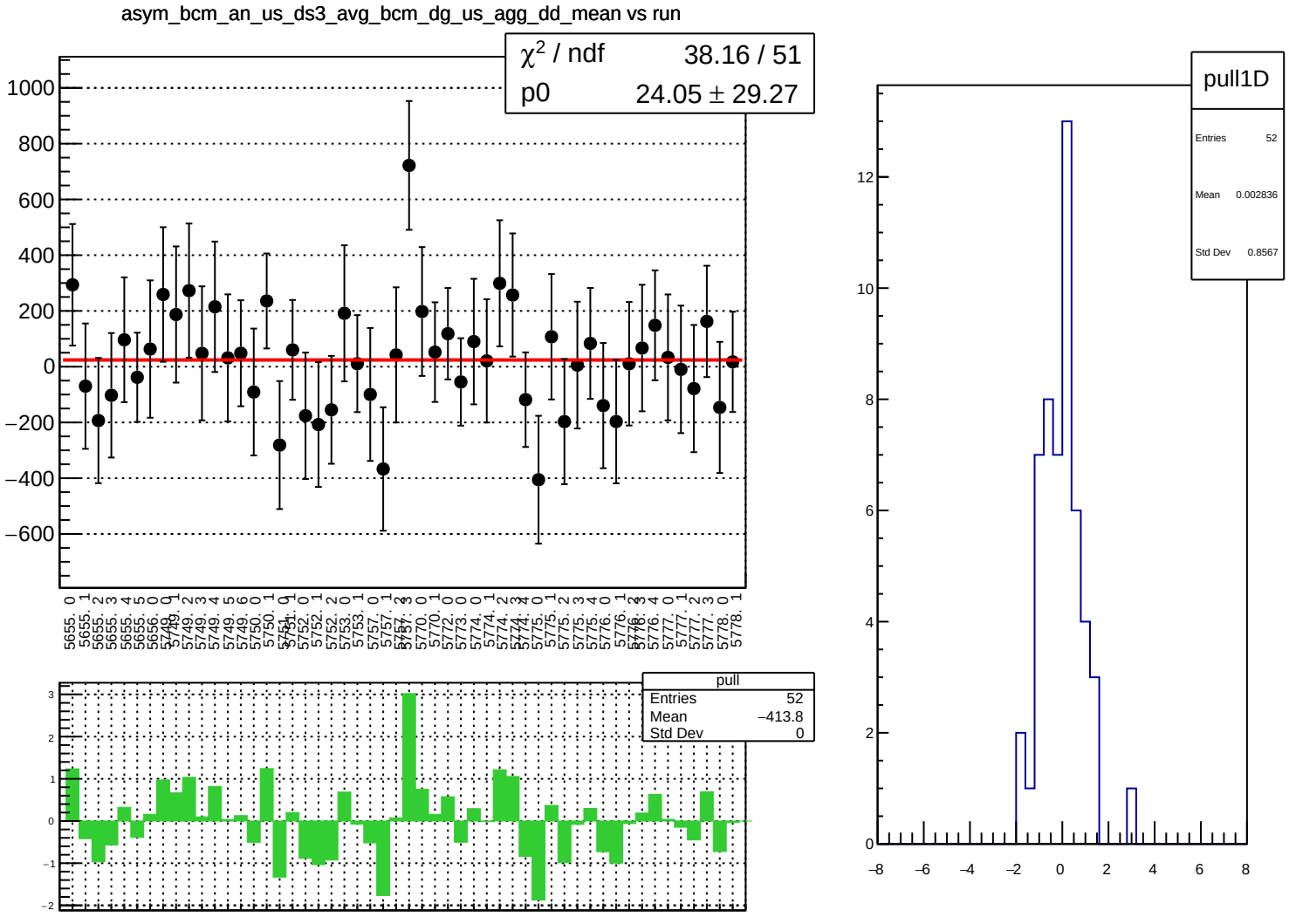
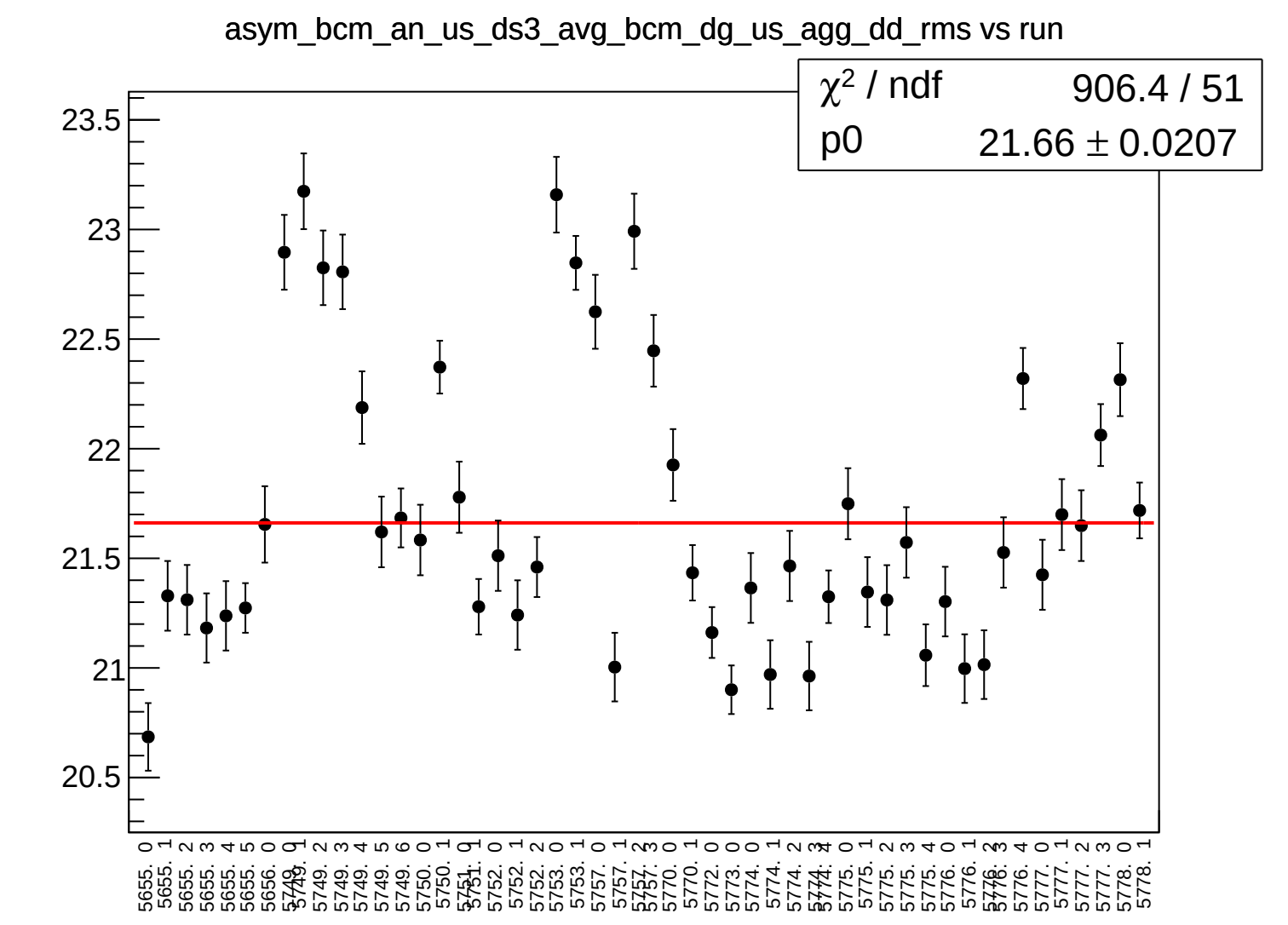
5777. 2
5777. 3
5778. 0
5778. 1


asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 38.16 / 51
p0 24.05 ± 29.27
pull
Entries 52
Mean −413.8
Std Dev 0
pull1D
Entries 52
Mean 0.002836
Std Dev 0.8567


asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 906.4 / 51
p0 21.66 ± 0.0207
23.5
23
22.5
22
21.5
21
20.5
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
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5749. 2
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5749. 4
5749. 5
5749. 6
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5751. 1
5752. 0
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5777. 1
5777. 2
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5778. 0
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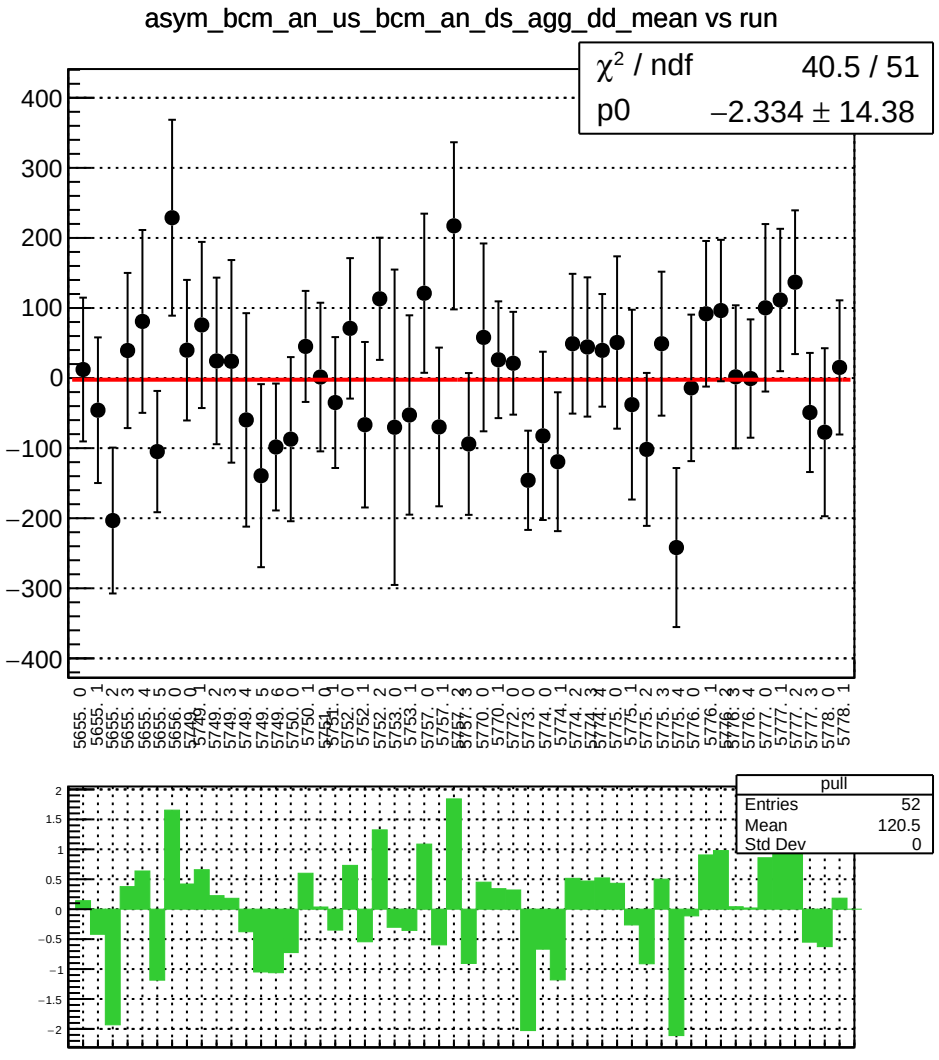
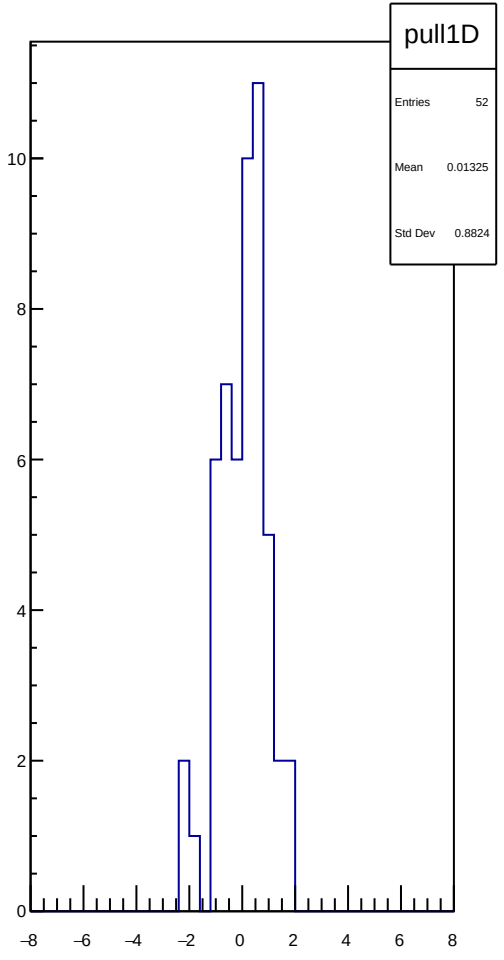
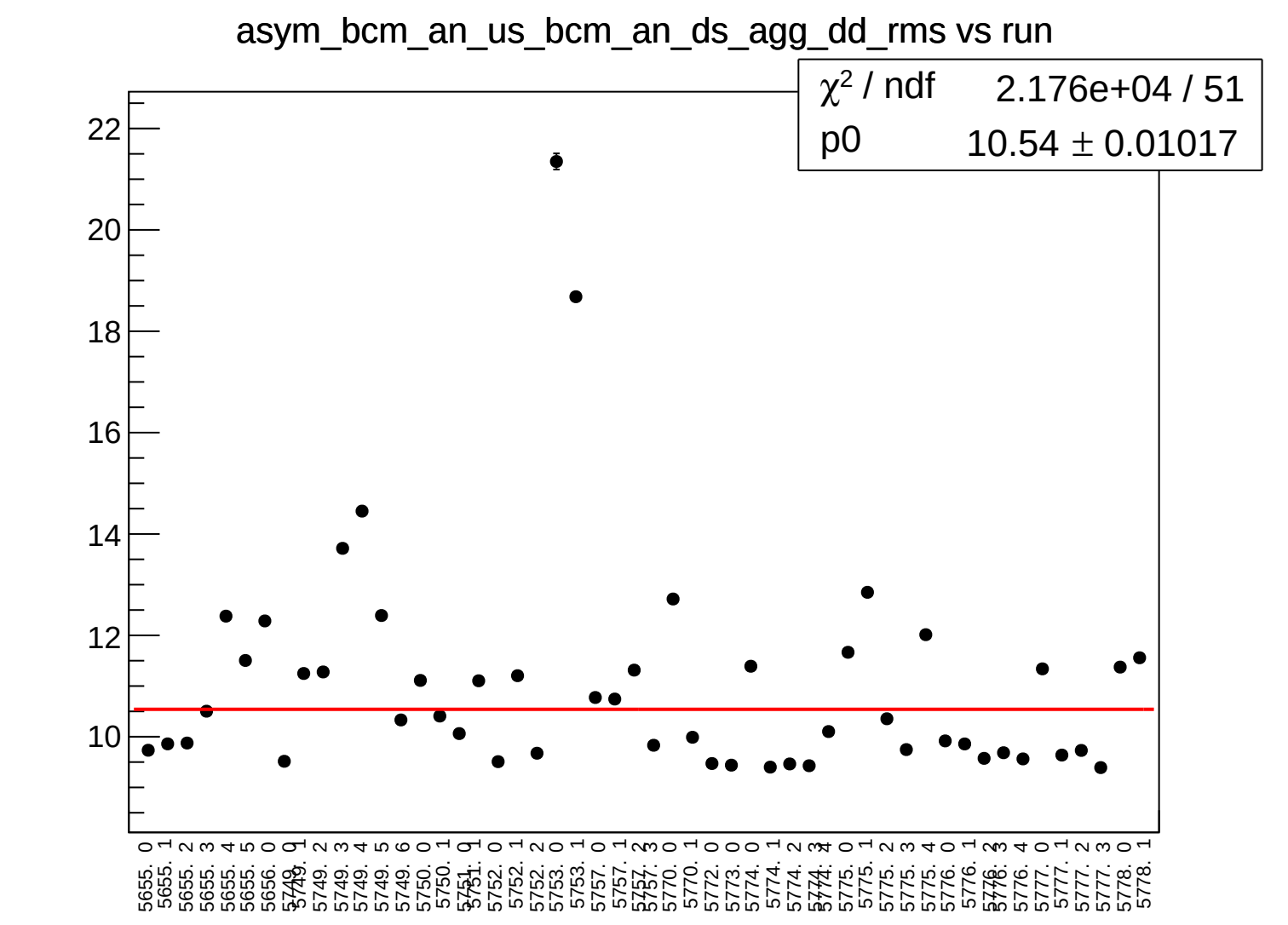

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 40.5 / 51
p0 −2.334 ± 14.38
pull
Entries 52
Mean 120.5
Std Dev 0


pull1D
Entries 52
Mean 0.01325
Std Dev 0.8824


asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 2.176e+04 / 51
p0 10.54 ± 0.01017
22
20
18
16
14
12
10
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5750. 1
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5752. 2
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5753. 1
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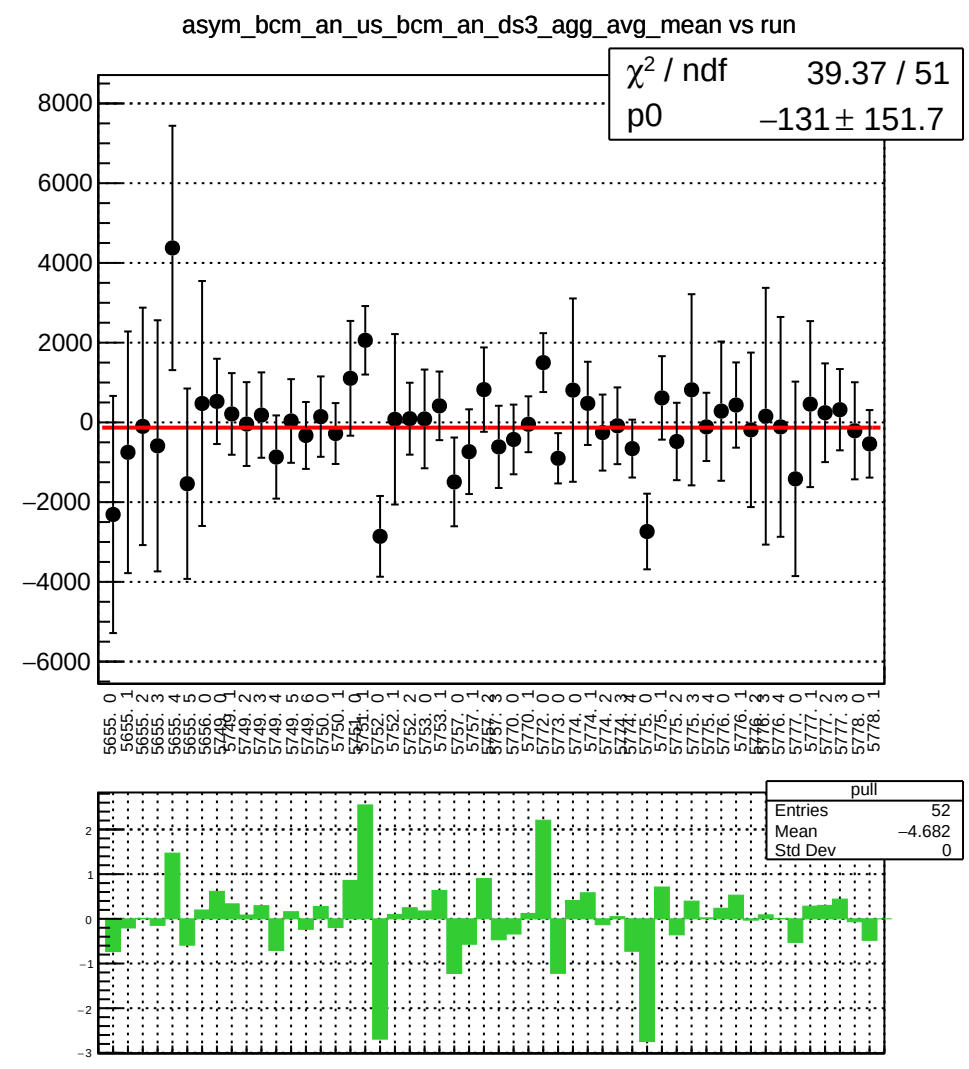
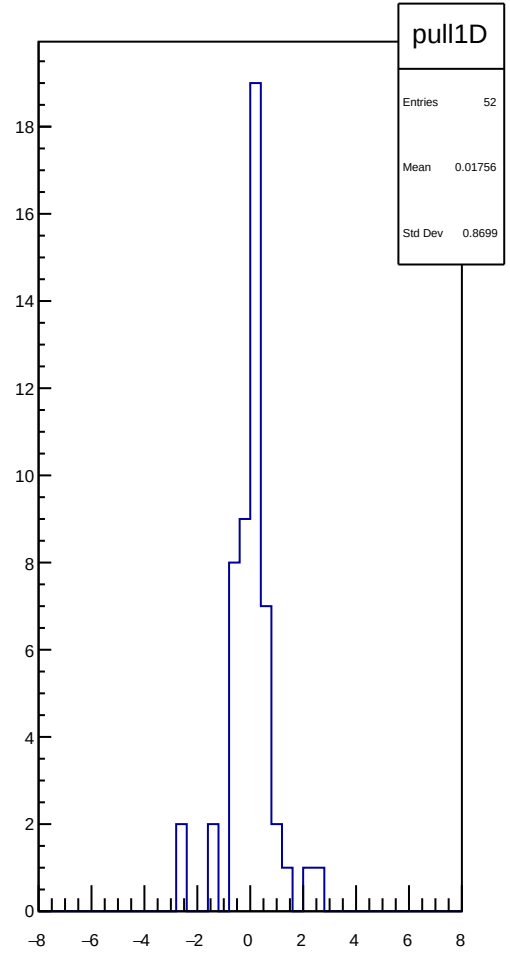
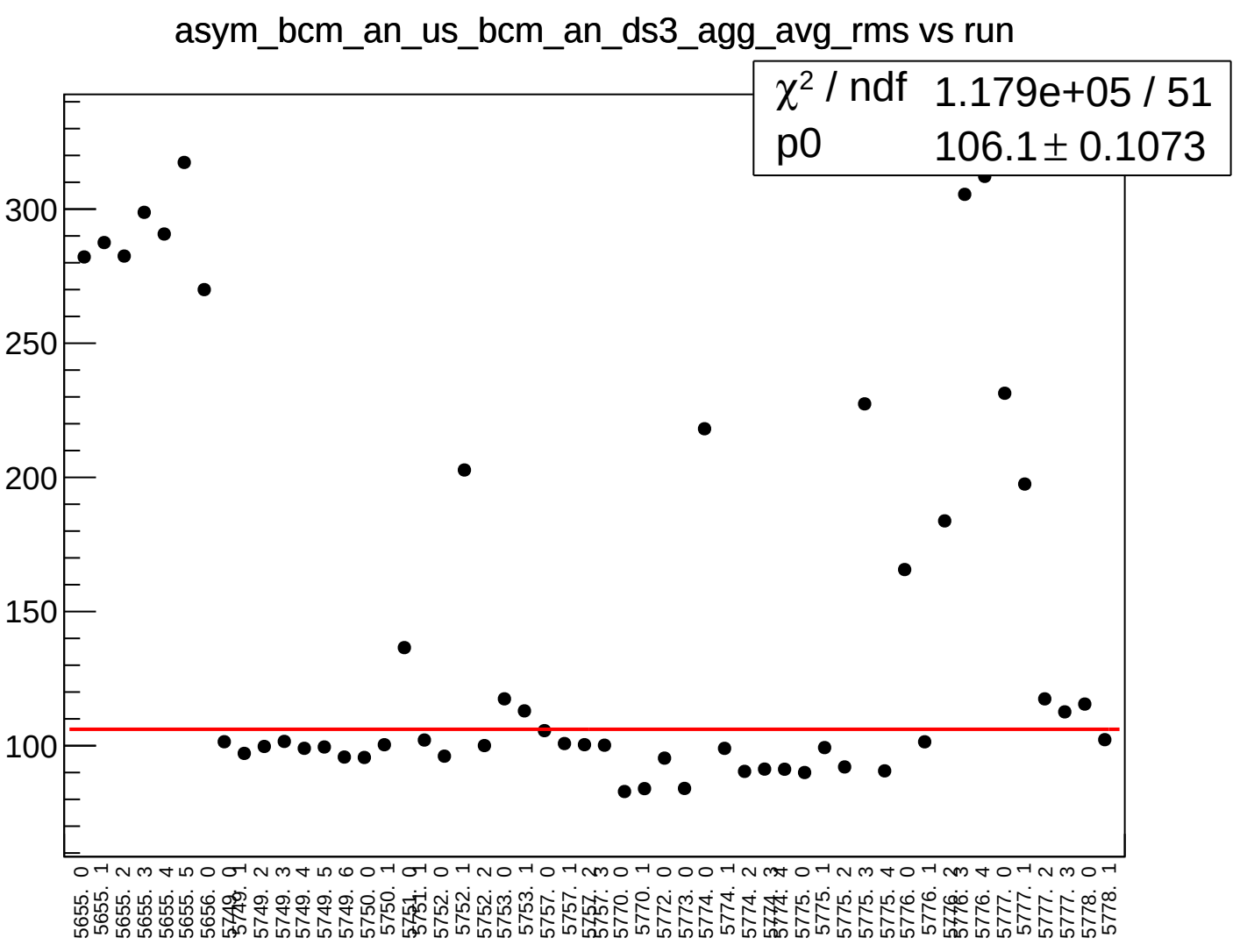
5778. 1


asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 39.37 / 51
p0 −131 ± 151.7
pull
Entries 52
Mean −4.682
Std Dev 0


pull1D
Entries 52
Mean 0.01756
Std Dev 0.8699


asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 1.179e+05 / 51
p0 106.1 ± 0.1073
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
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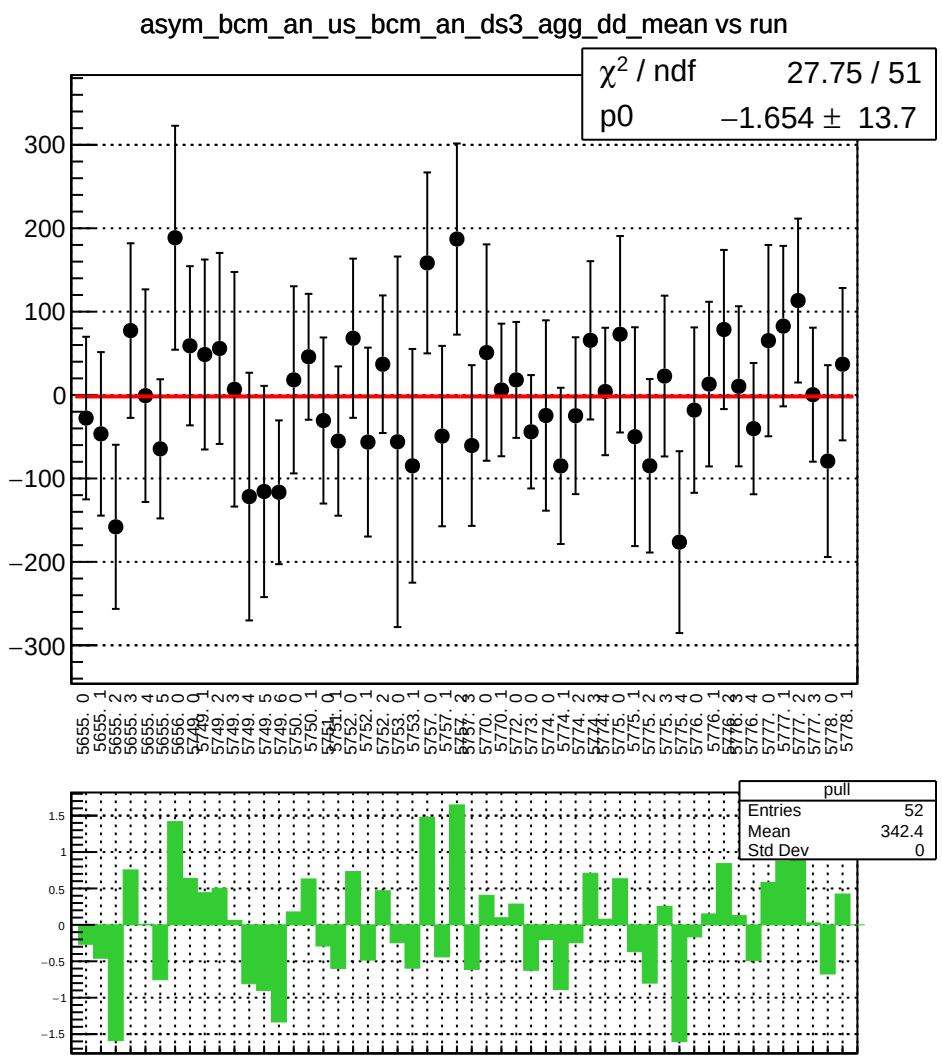
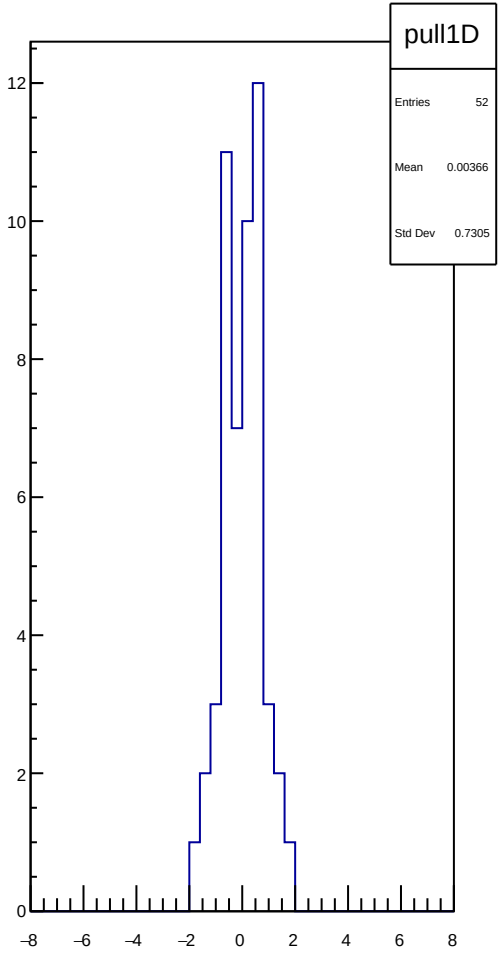
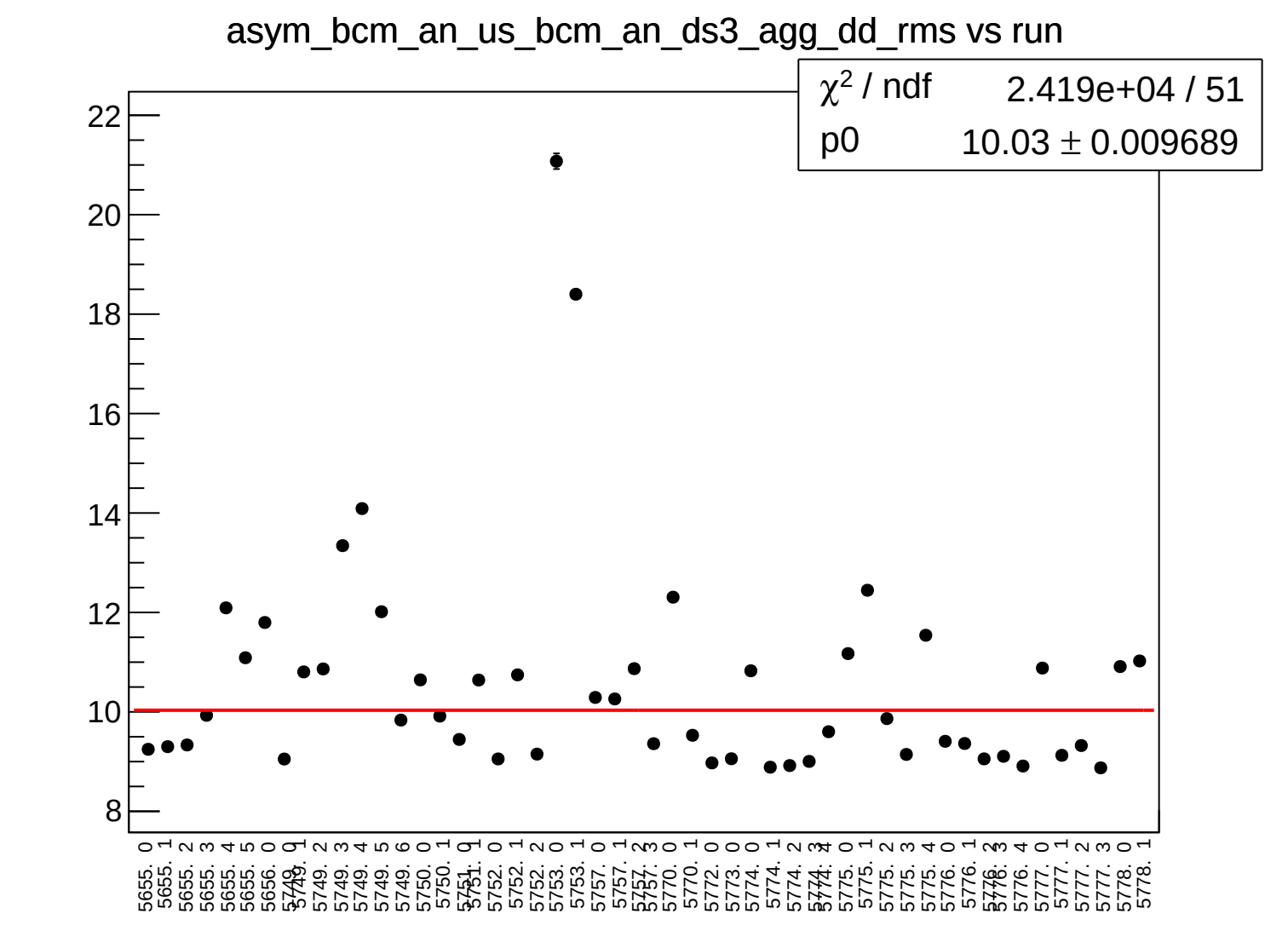
5778. 1


asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 27.75 / 51
p0 −1.654 ± 13.7
pull
Entries 52
Mean 342.4
Std Dev 0


pull1D
Entries 52
Mean 0.00366
Std Dev 0.7305


asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 2.419e+04 / 51
p0 10.03 ± 0.009689
22
20
18
16
14
12
10
8
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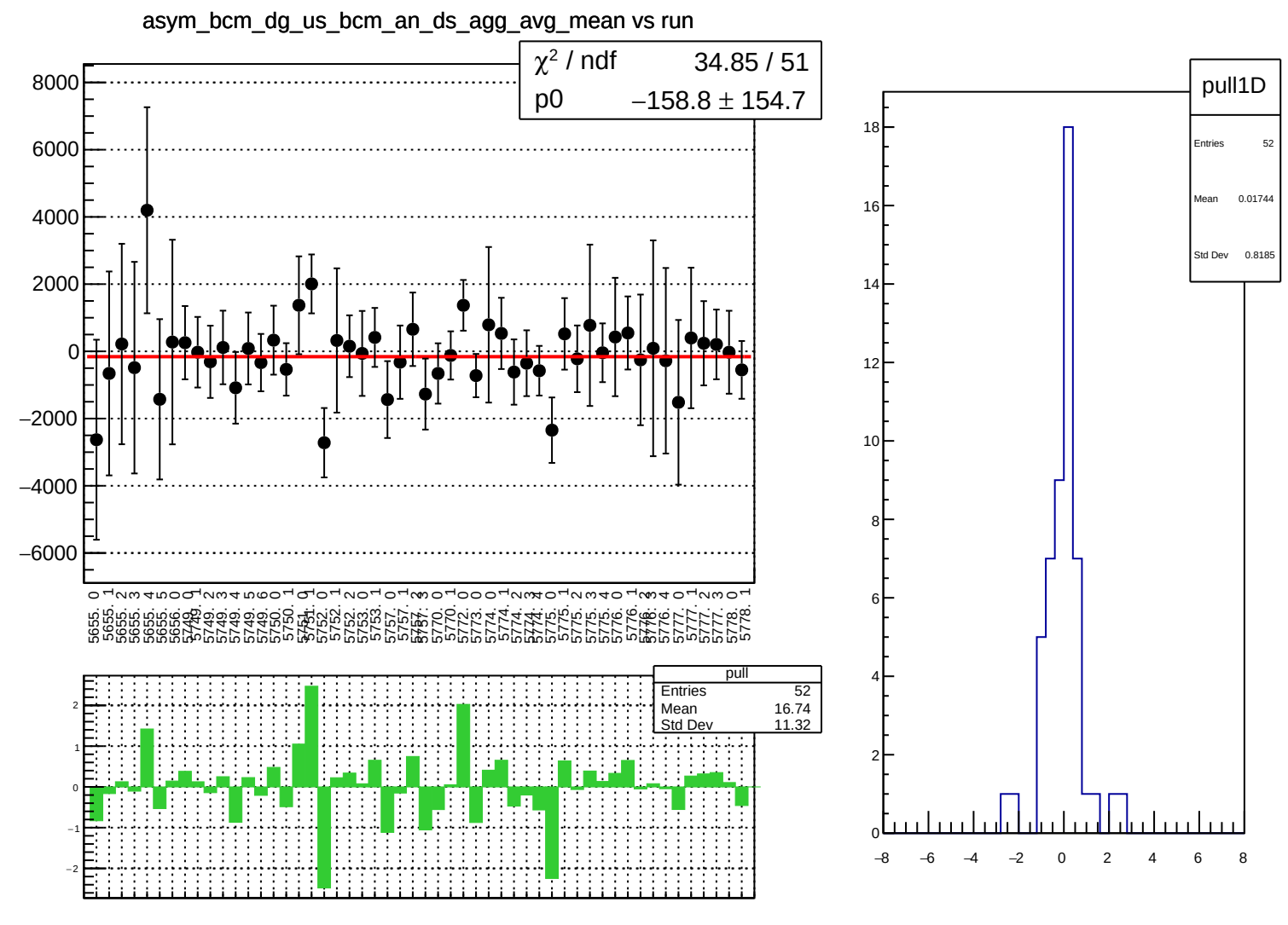
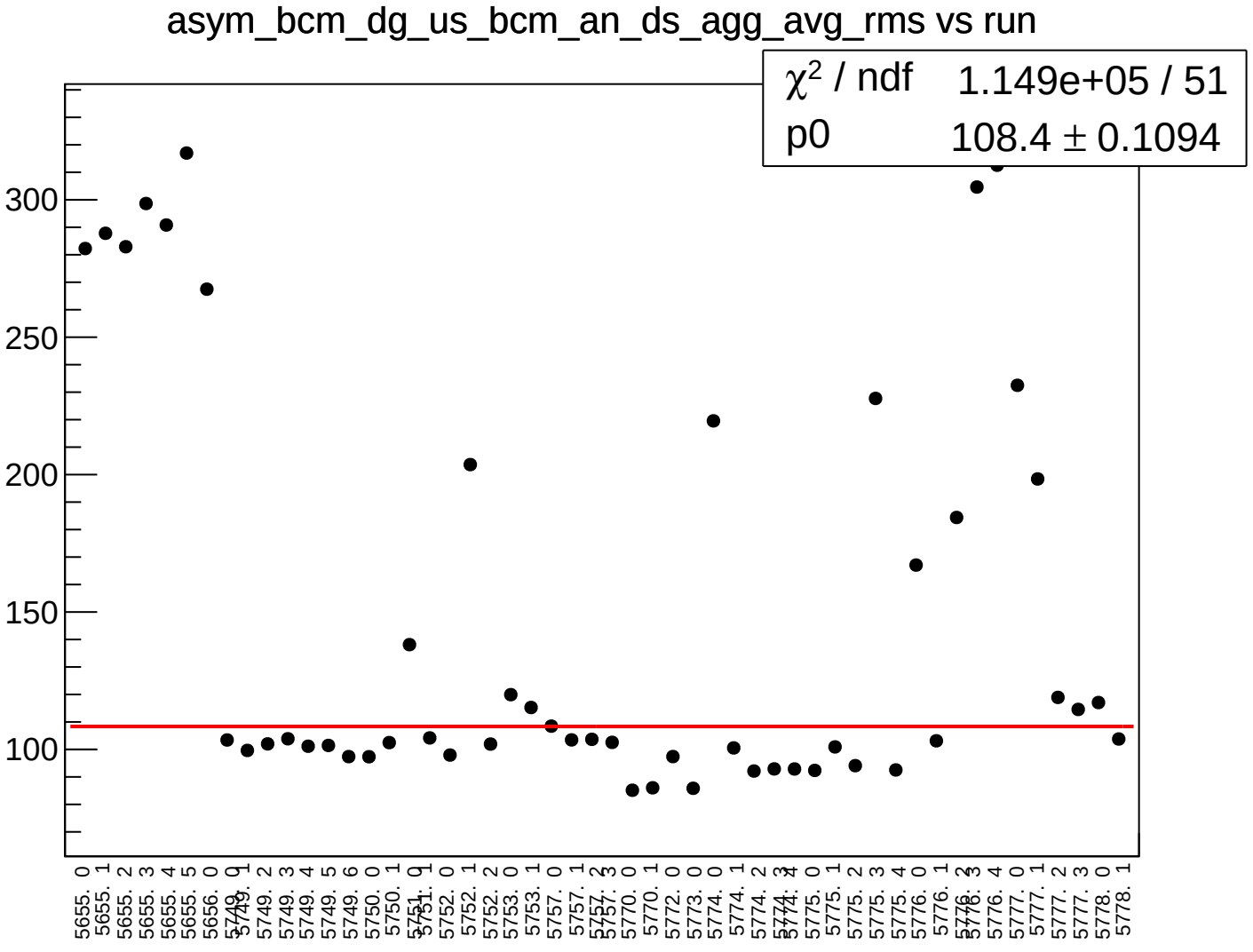

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 34.85 / 51
p0 −158.8 ± 154.7
pull
Entries 52
Mean 16.74
Std Dev 11.32
pull1D
Entries 52
Mean 0.01744
Std Dev 0.8185


asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1.149e+05 / 51
p0 108.4 ± 0.1094
300
250
200
150
100
5655. 0
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5655. 4
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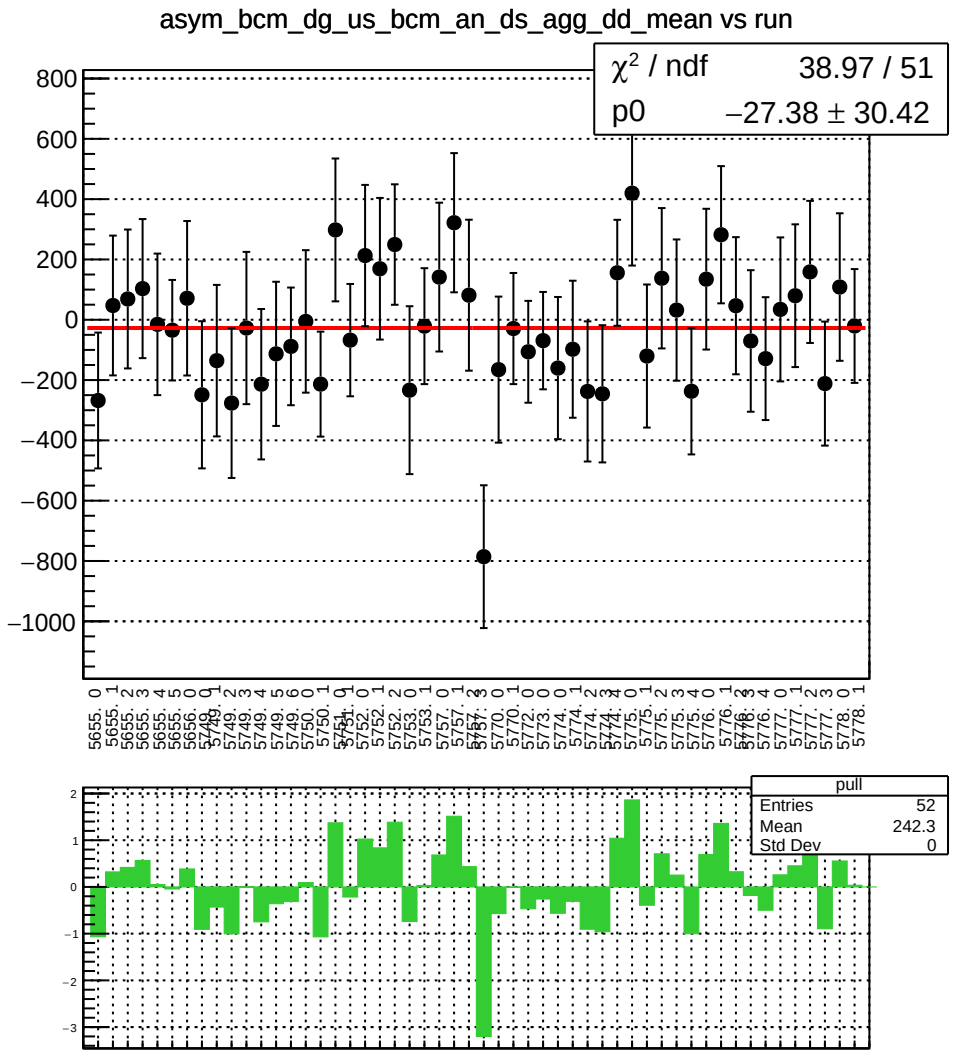
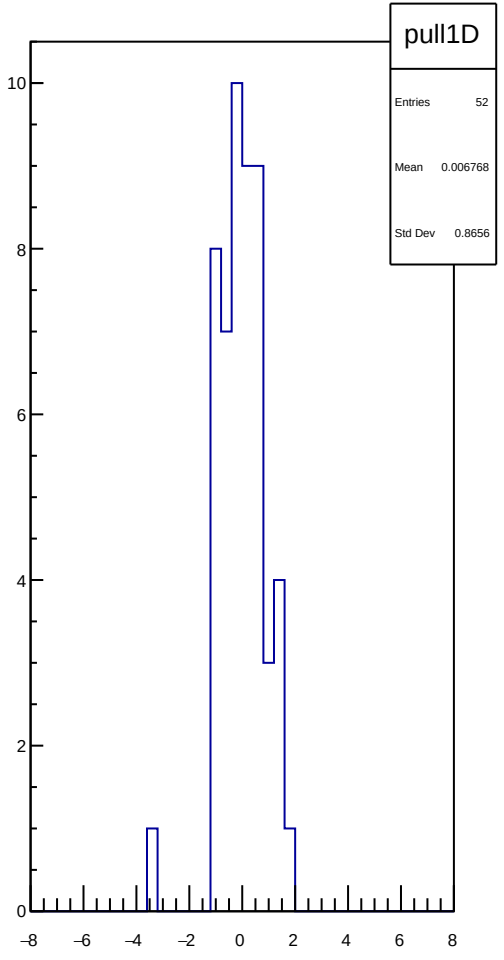
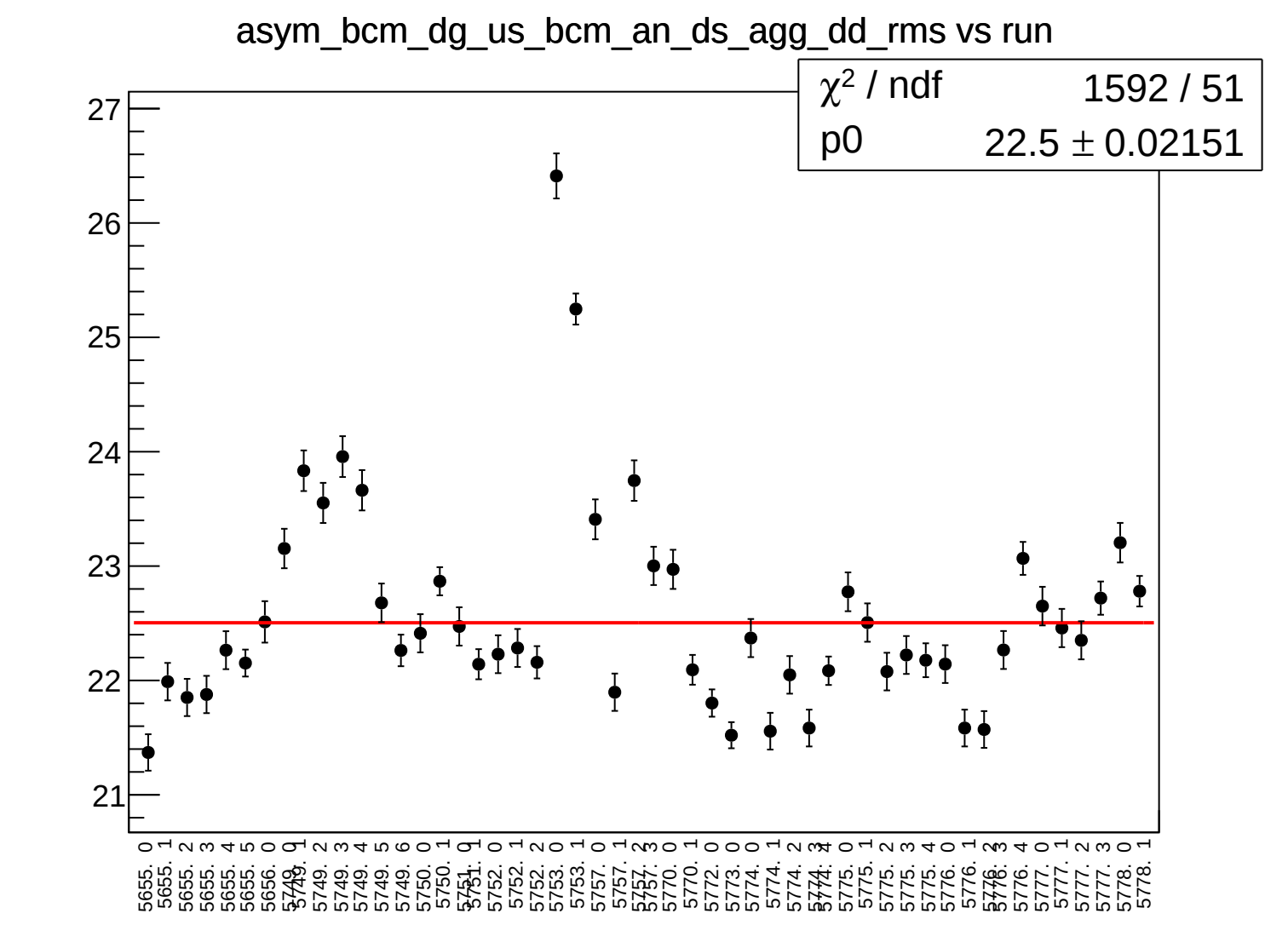

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 38.97 / 51
p0 −27.38 ± 30.42
pull
Entries 52
Mean 242.3
Std Dev 0


pull1D
Entries 52
Mean 0.006768
Std Dev 0.8656


asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1592 / 51
p0 22.5 ± 0.02151
27
26
25
24
23
22
21
5655. 0
5655. 1
5655. 2
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5655. 5
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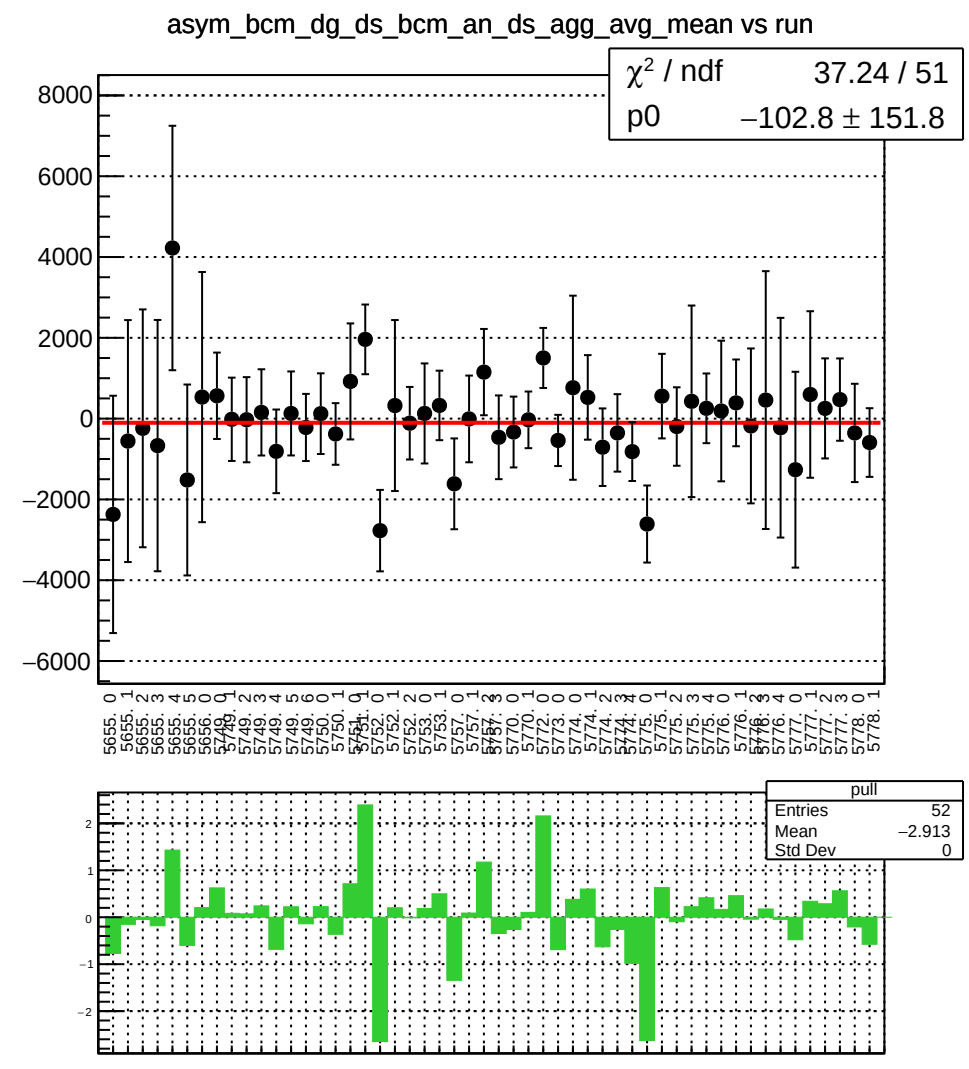
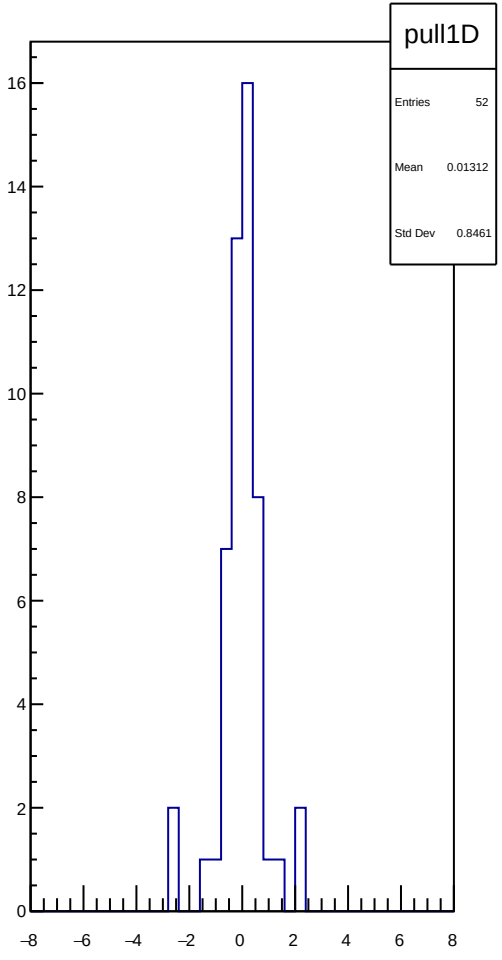
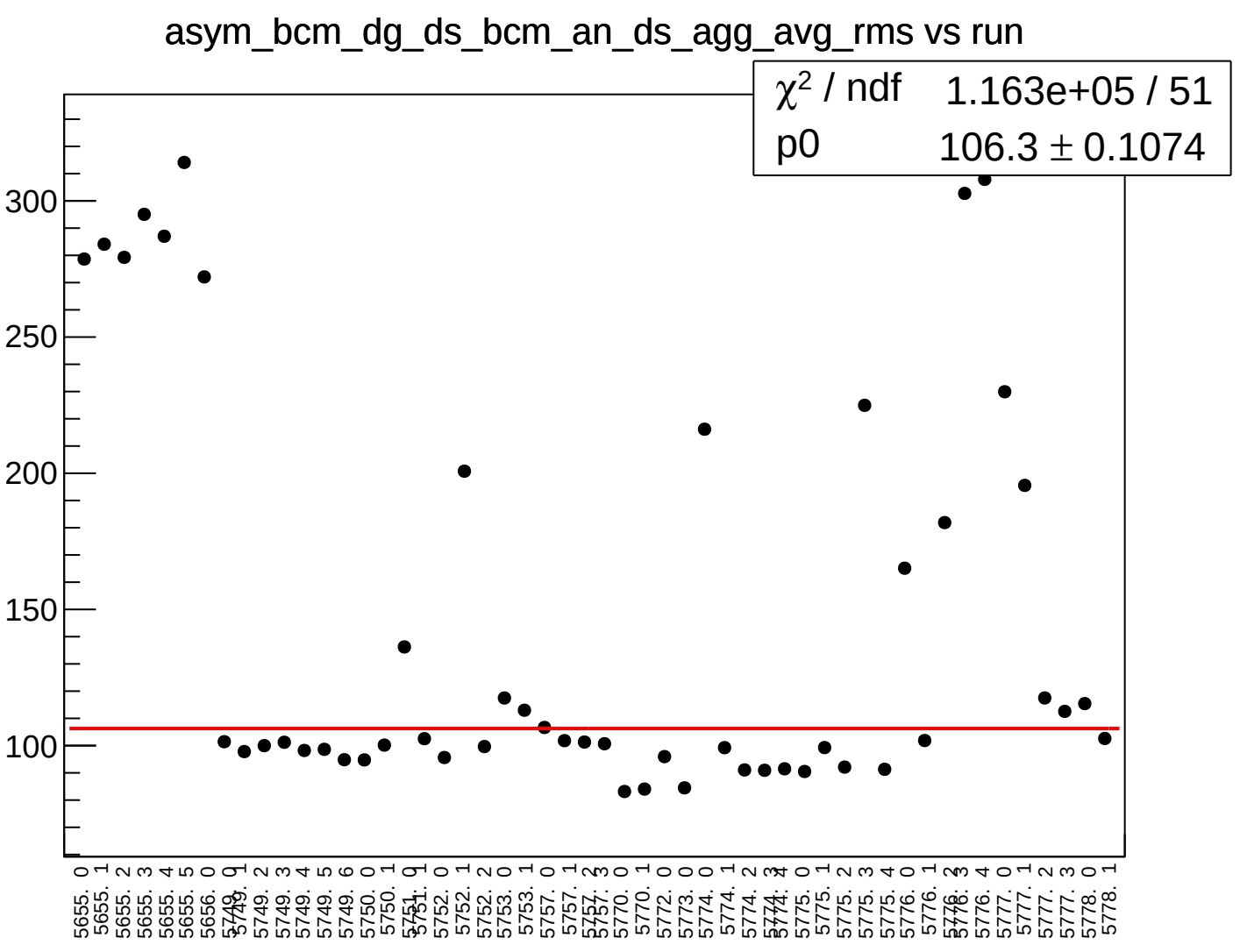

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 37.24 / 51
p0 −102.8 ± 151.8
pull
Entries 52
Mean −2.913
Std Dev 0


pull1D
Entries 52
Mean 0.01312
Std Dev 0.8461


asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1.163e+05 / 51
p0 106.3 ± 0.1074
300
250
200
150
100
5655. 0
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5655. 3
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5655. 5
5656. 0
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5777. 2
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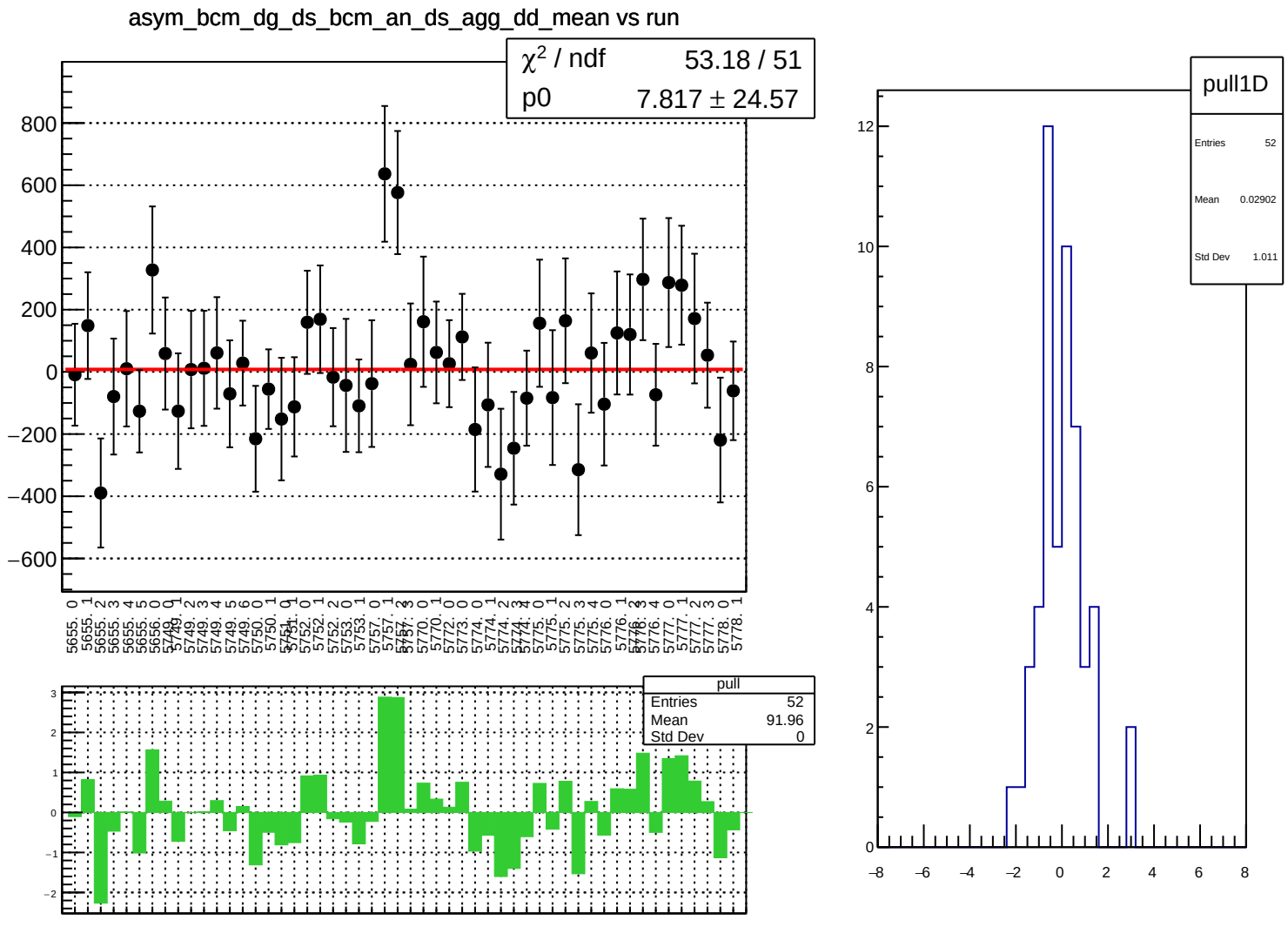
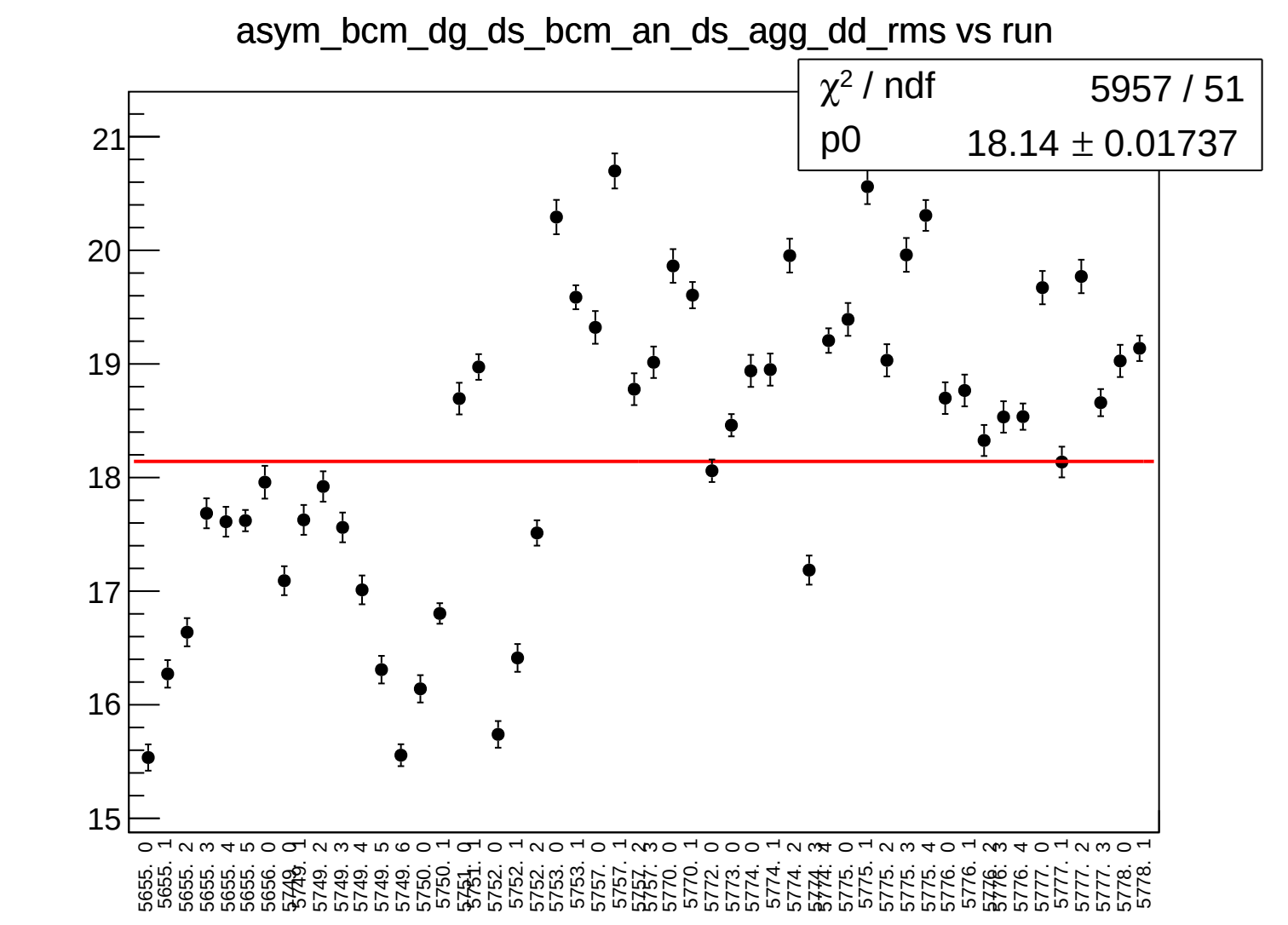
5778. 1


asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 53.18 / 51
p0 7.817 ± 24.57
pull
Entries 52
Mean 91.96
Std Dev 0
pull1D
Entries 52
Mean 0.02902
Std Dev 1.011


asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 5957 / 51
p0 18.14 ± 0.01737
21
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5655. 0
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5752. 2
5753. 0
5753. 1
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5757. 1
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5774. 1
5774. 2
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5775. 2
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5775. 4
5776. 0
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5777. 2
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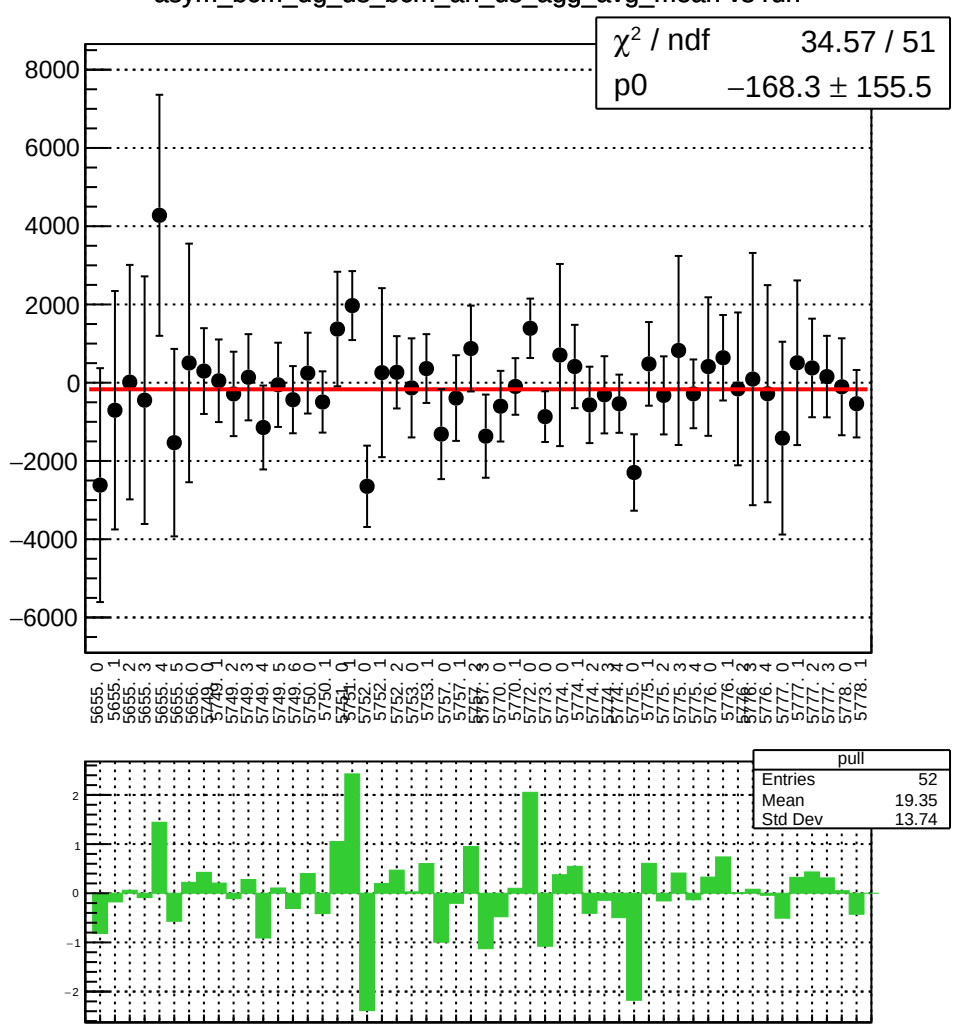
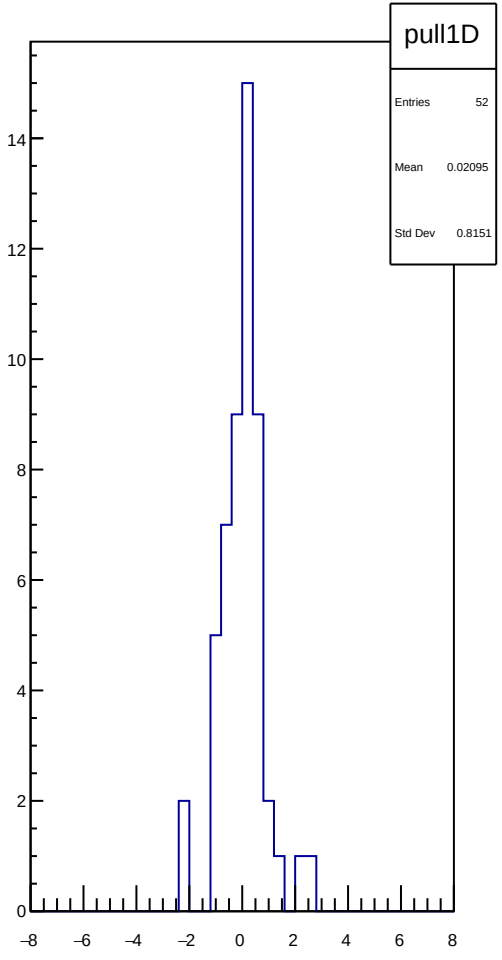
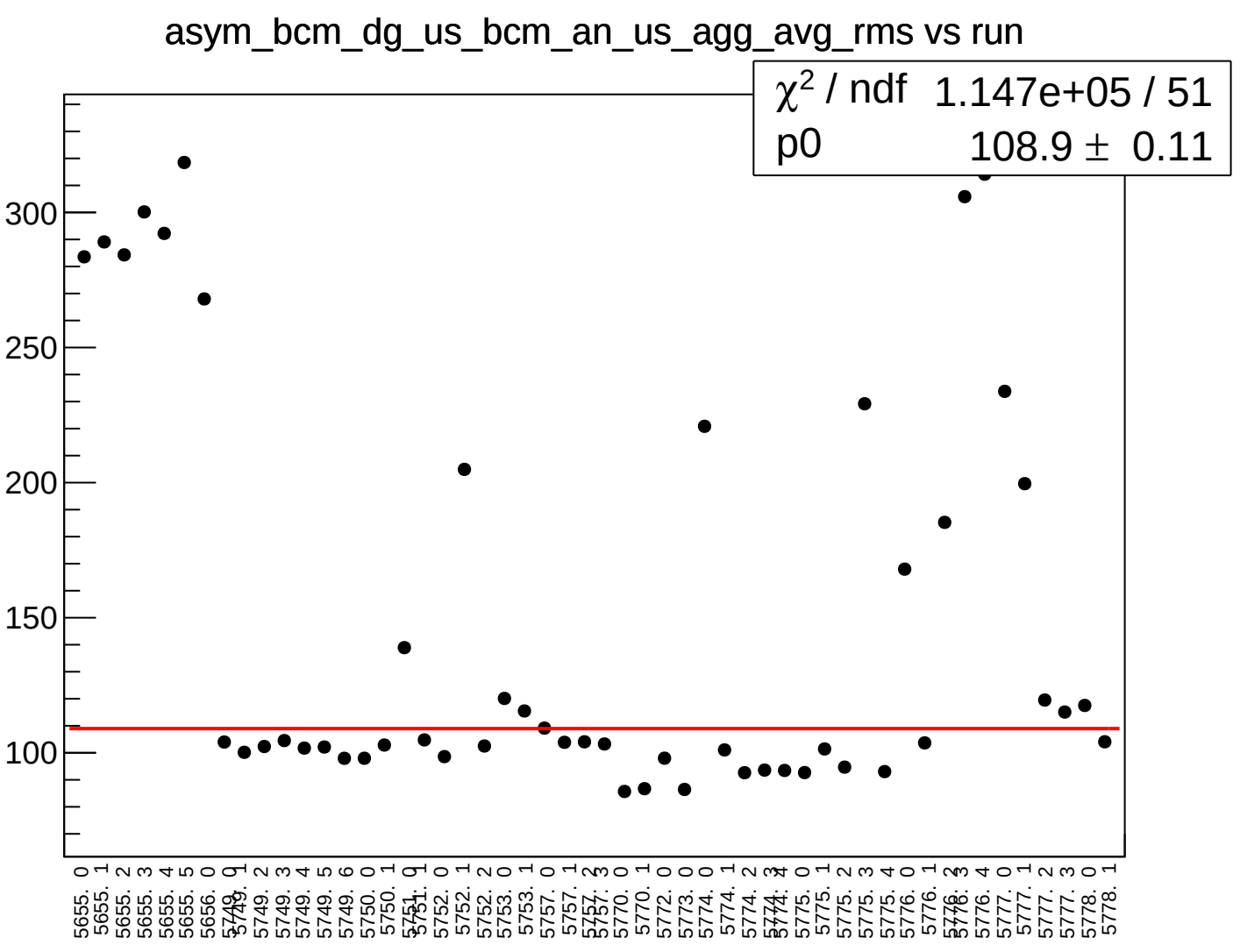
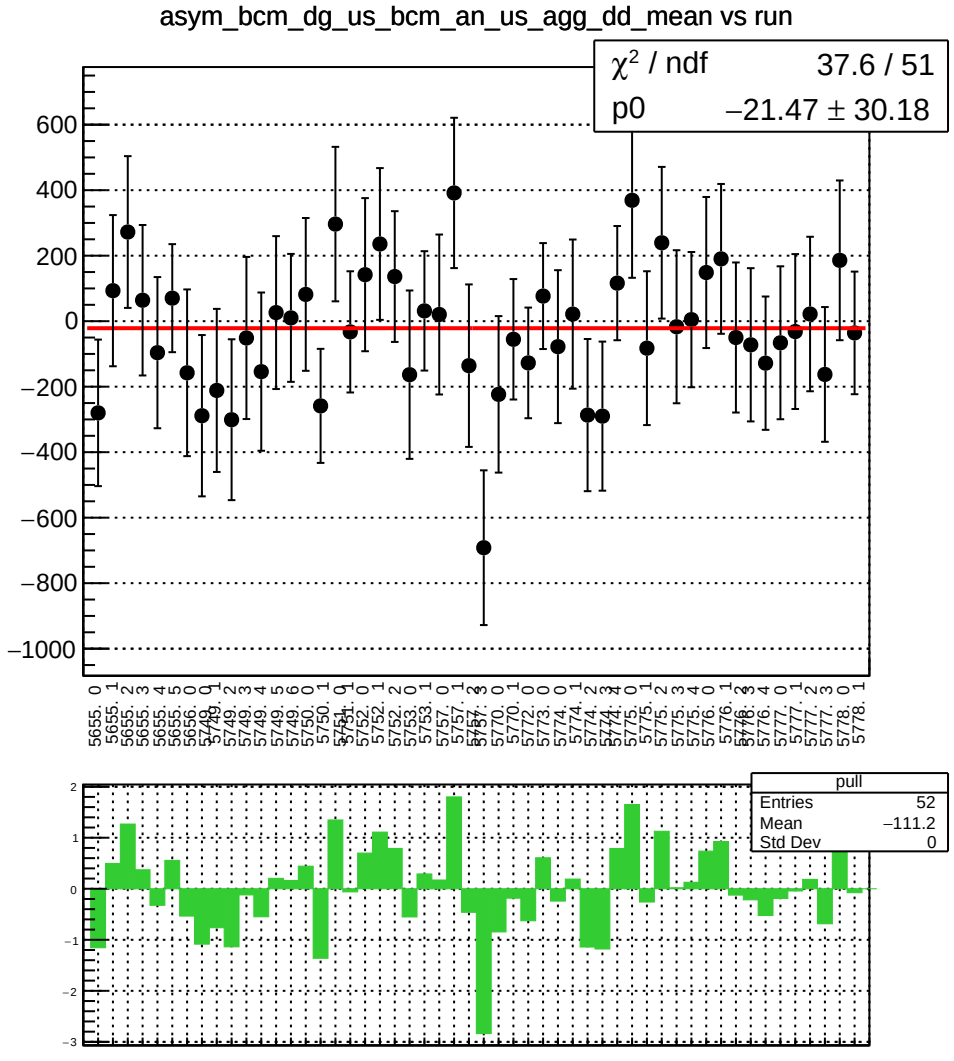
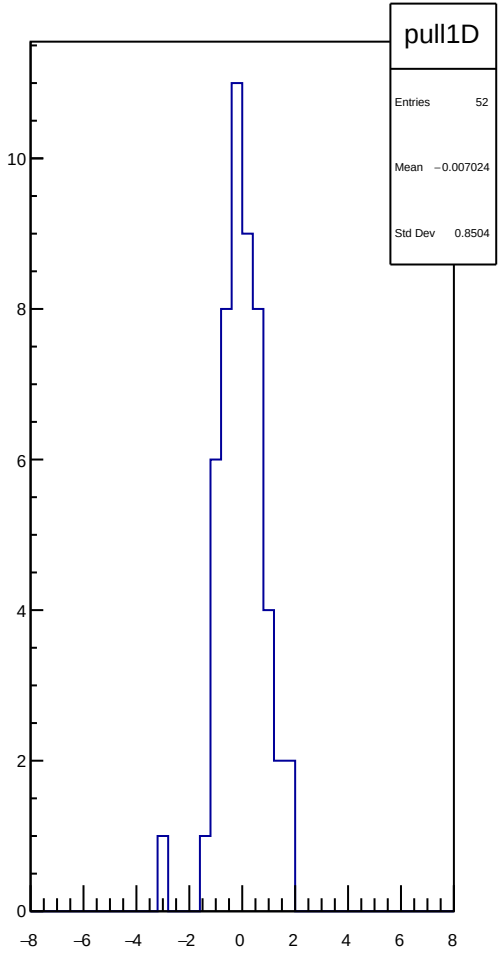
5778. 1

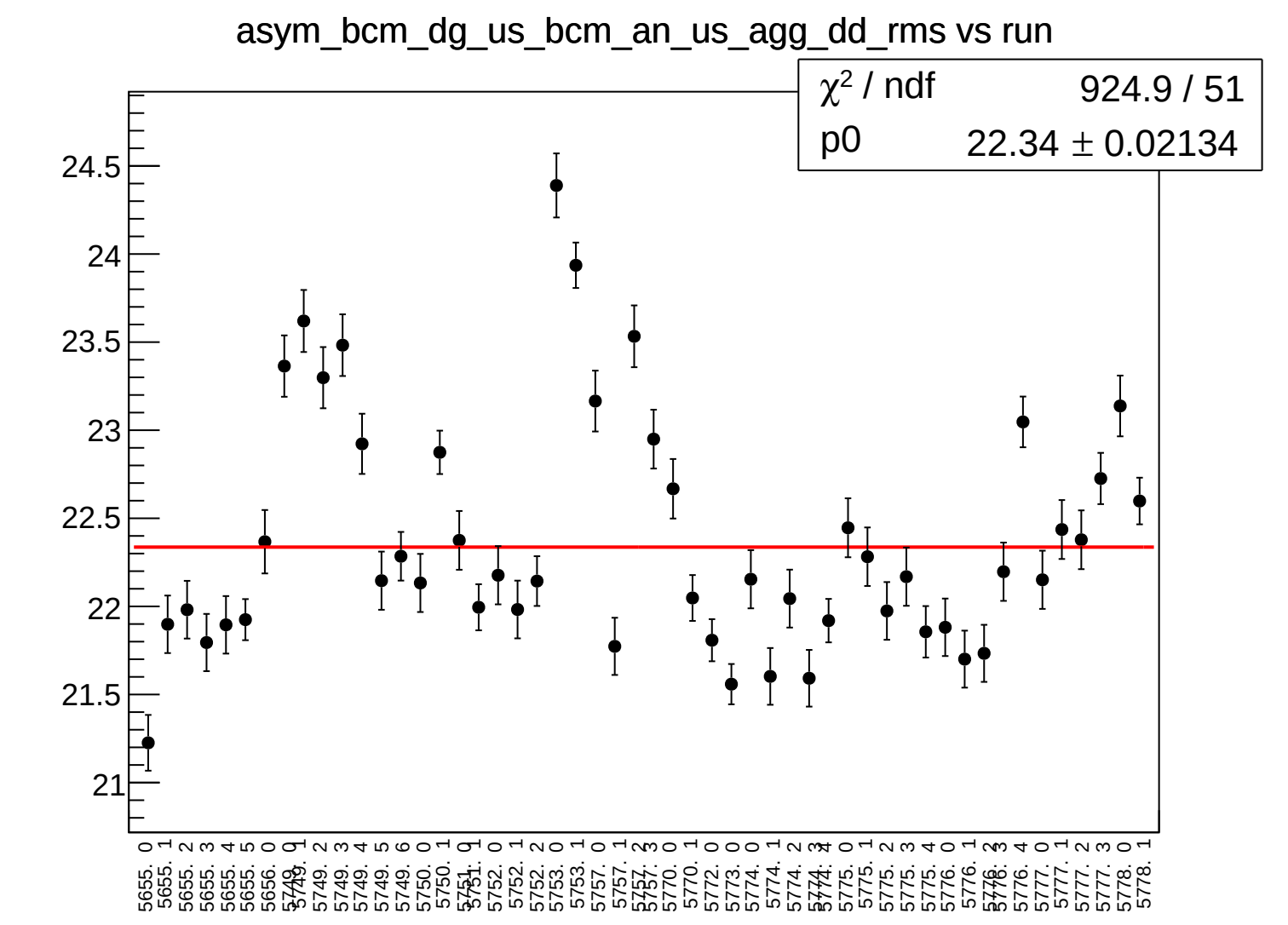

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 34.57 / 51
p0 −168.3 ± 155.5
pull
Entries 52
Mean 19.35
Std Dev 13.74


pull1D
Entries 52
Mean 0.02095
Std Dev 0.8151


asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 1.147e+05 / 51
p0 108.9 ± 0.11
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 37.6 / 51
p0 −21.47 ± 30.18
pull
Entries 52
Mean −111.2
Std Dev 0


pull1D
Entries 52
Mean −0.007024
Std Dev 0.8504


asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 924.9 / 51
p0 22.34 ± 0.02134
24.5
24
23.5
23
22.5
22
21.5
21
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
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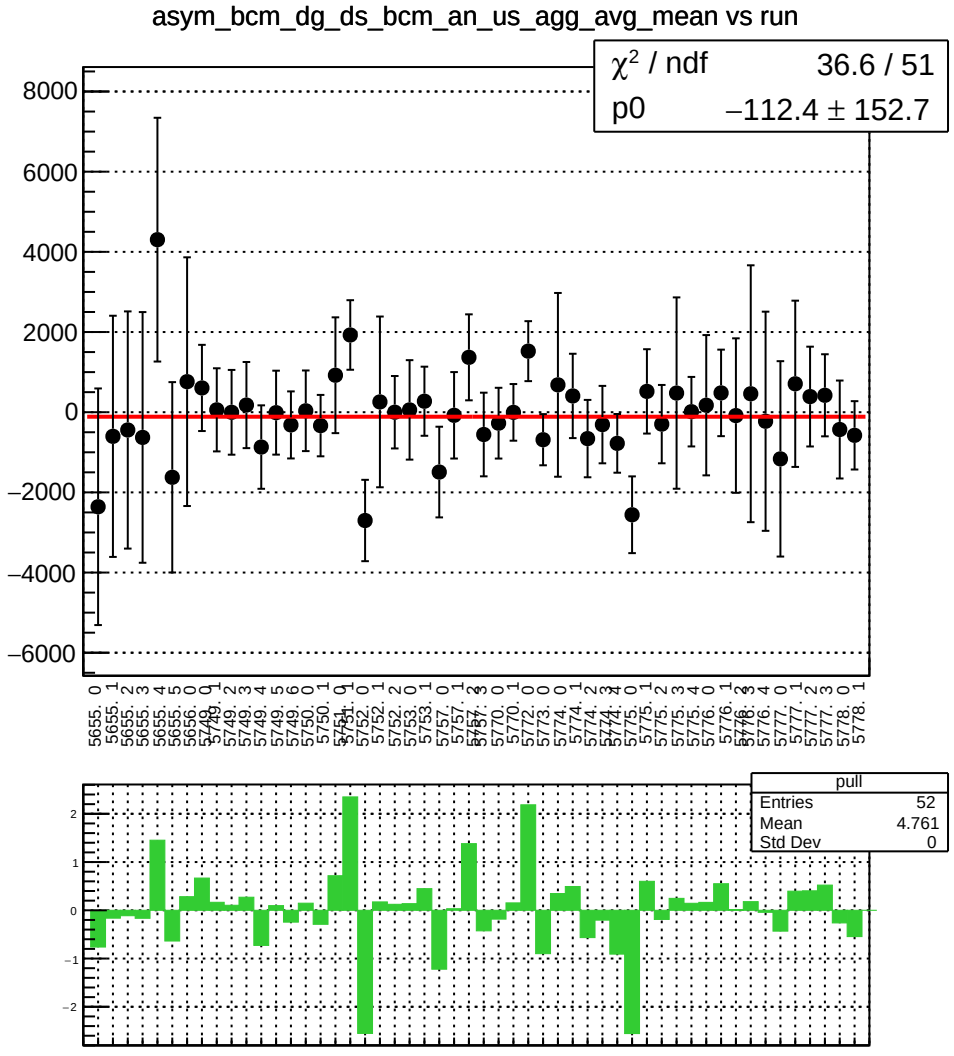
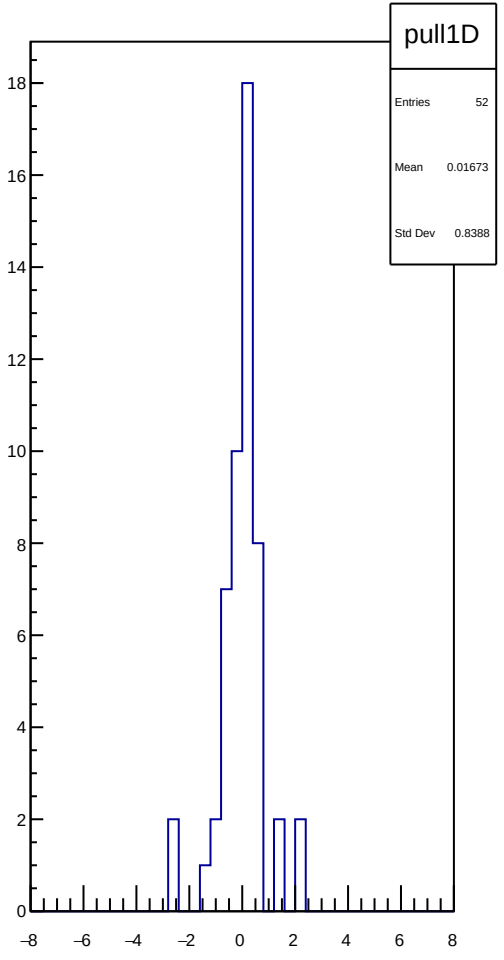
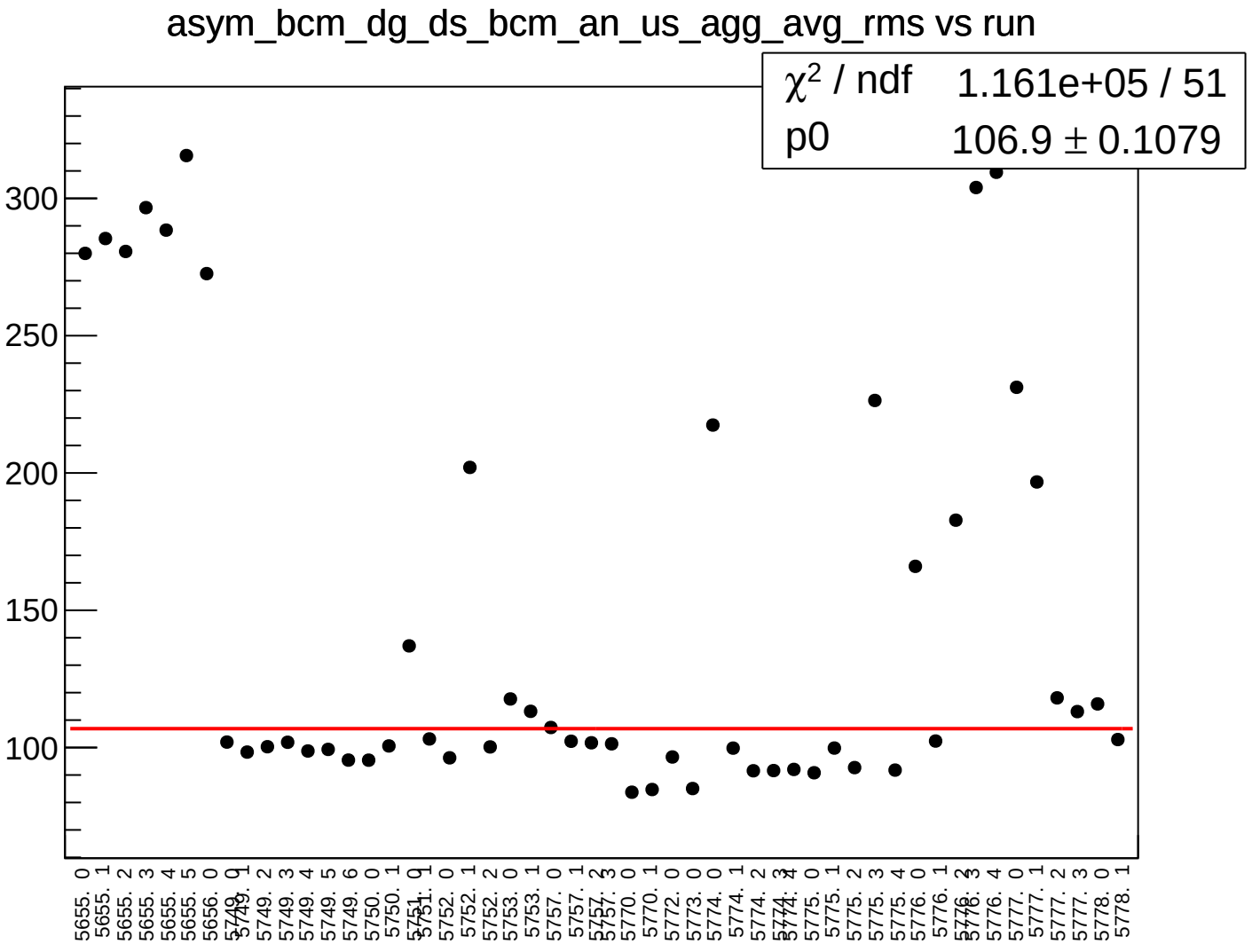
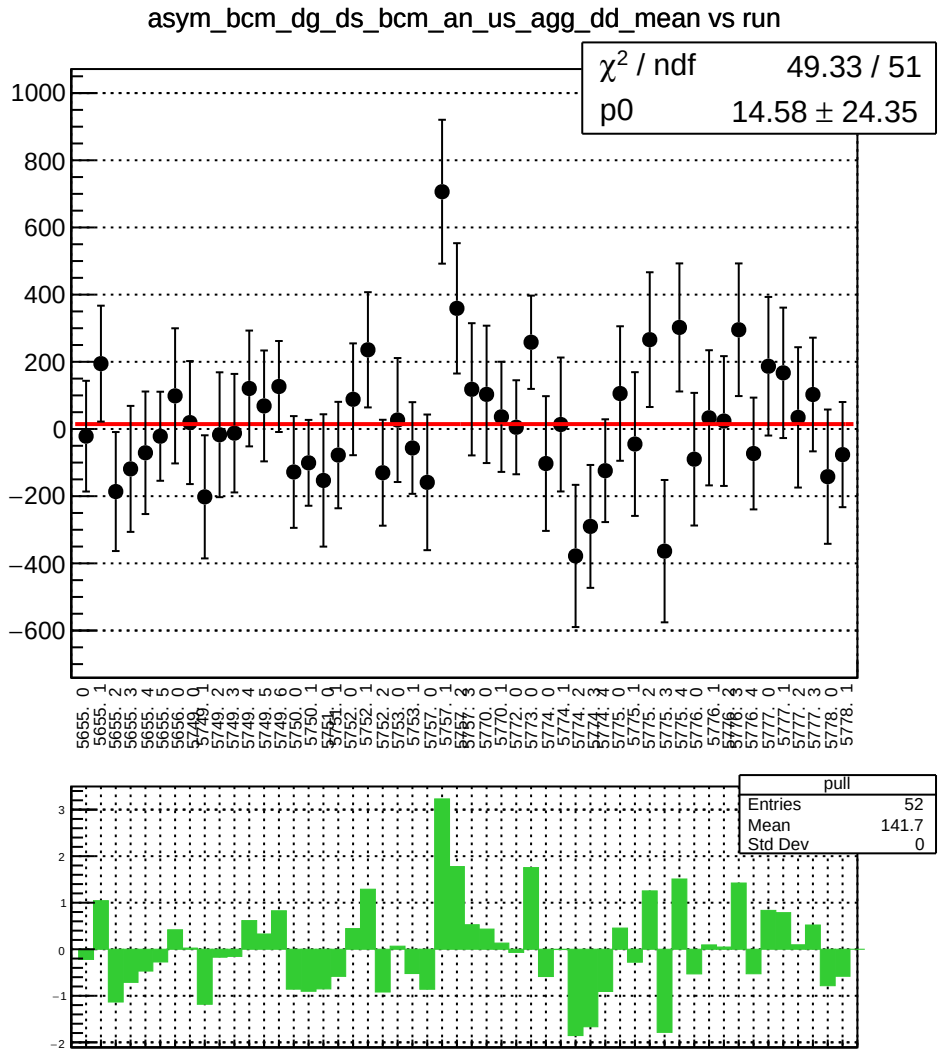
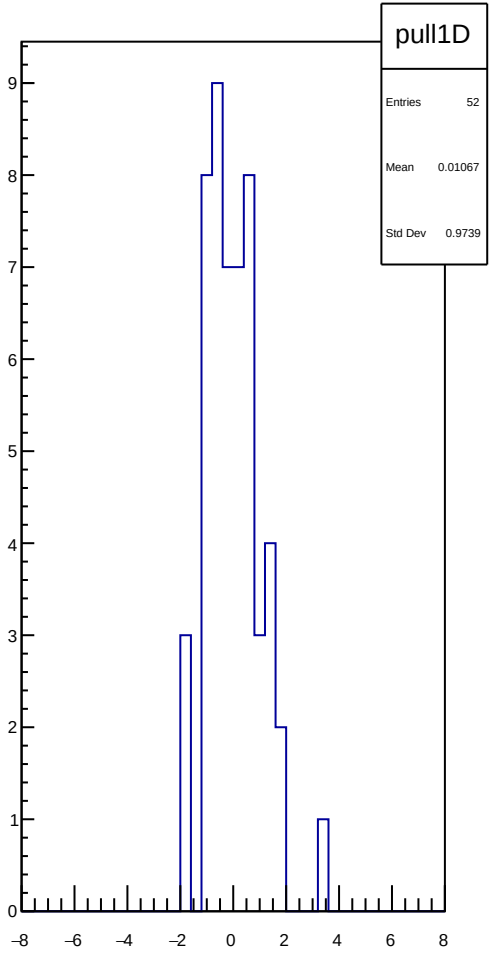
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

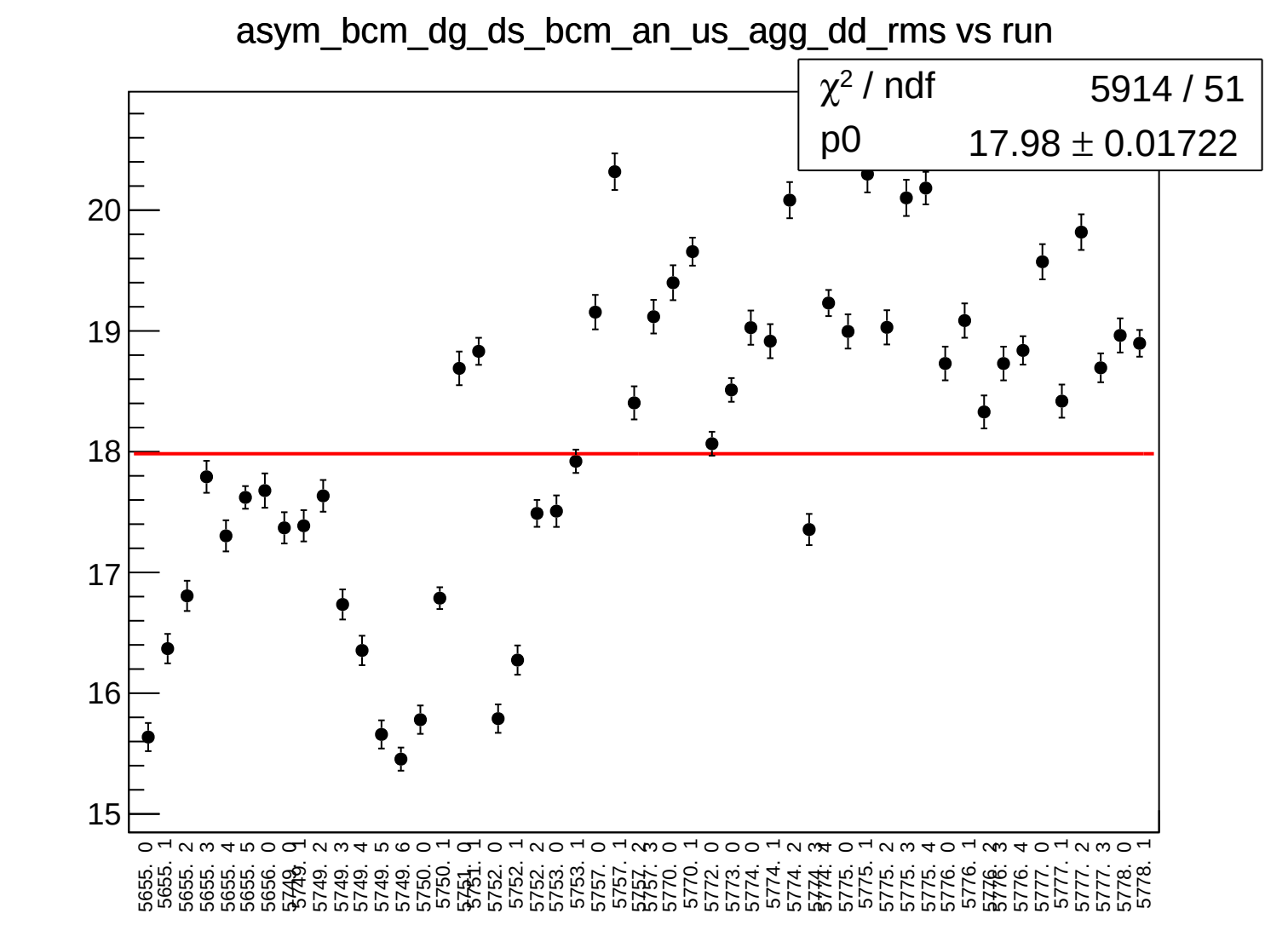

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 36.6 / 51
p0 −112.4 ± 152.7
pull
Entries 52
Mean 4.761
Std Dev 0

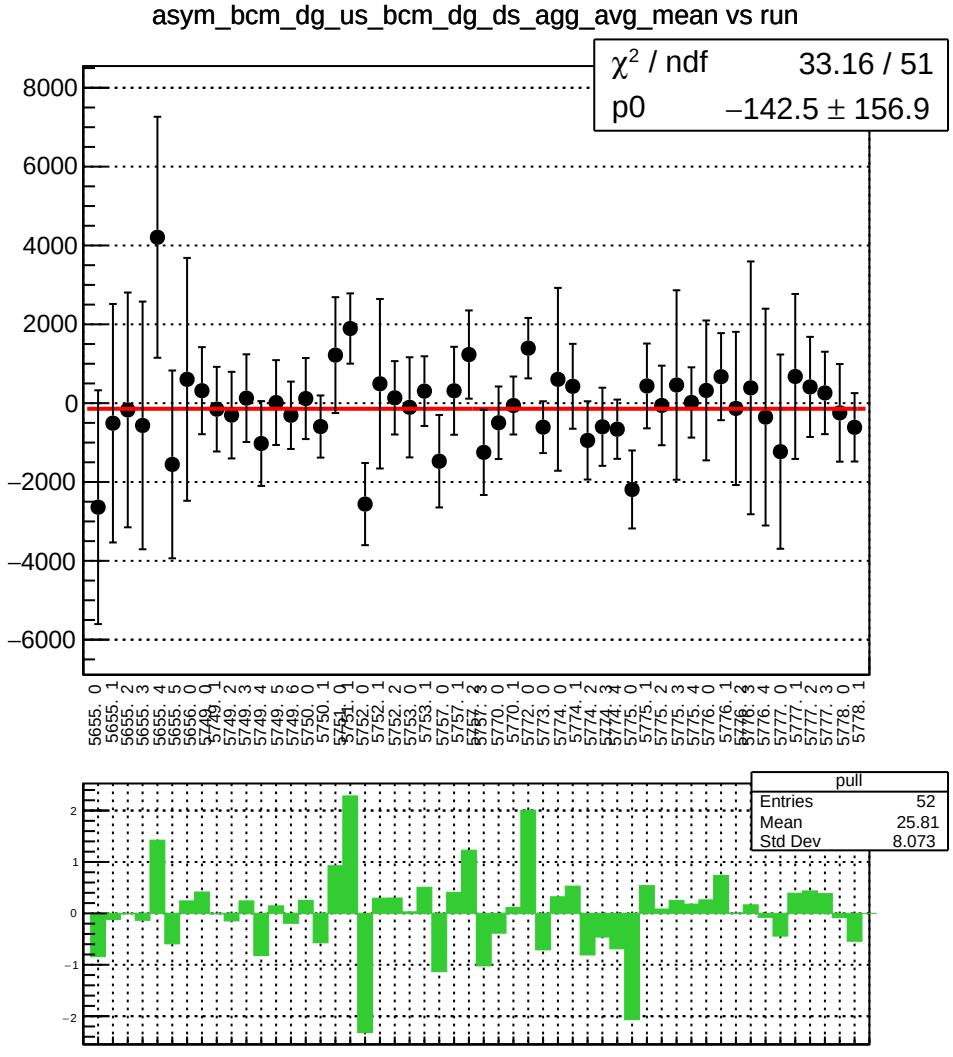

pull1D
Entries 52
Mean 0.01673
Std Dev 0.8388

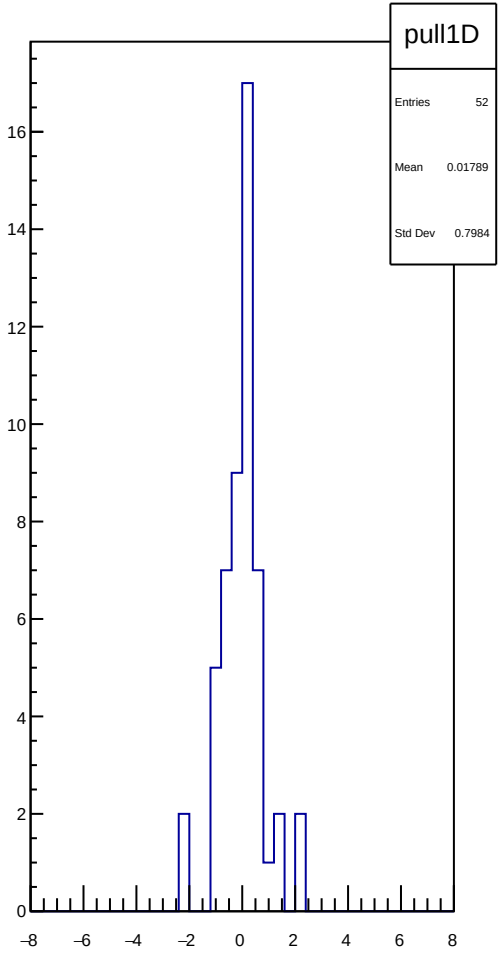

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 1.161e+05 / 51
p0 106.9 ± 0.1079
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

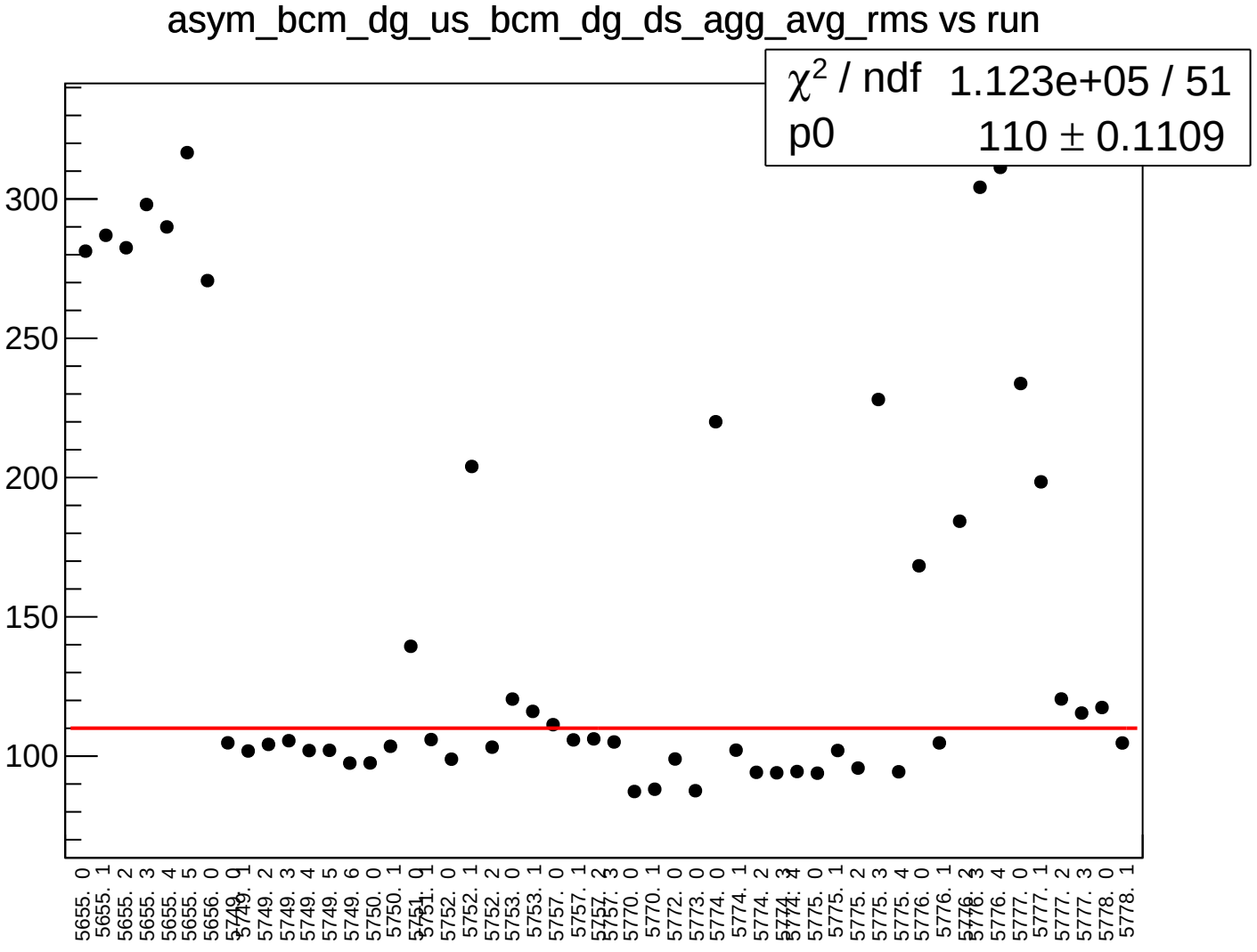

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 49.33 / 51
p0 14.58 ± 24.35
pull
Entries 52
Mean 141.7
Std Dev 0


pull1D
Entries 52
Mean 0.01067
Std Dev 0.9739


asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 5914 / 51
p0 17.98 ± 0.01722
20
19
18
17
16
15
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 33.16 / 51
p0 −142.5 ± 156.9
pull
Entries 52
Mean 25.81
Std Dev 8.073


pull1D
Entries 52
Mean 0.01789
Std Dev 0.7984


asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 1.123e+05 / 51
p0 110 ± 0.1109
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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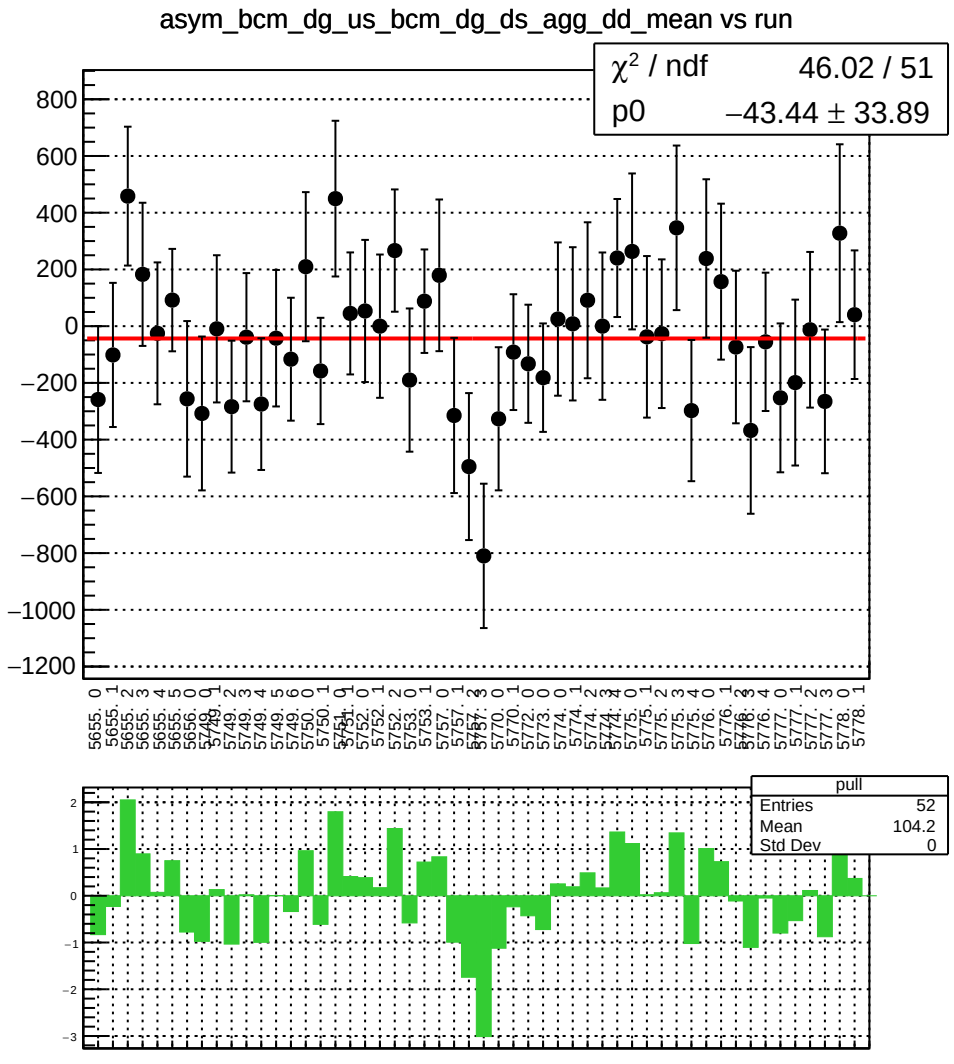
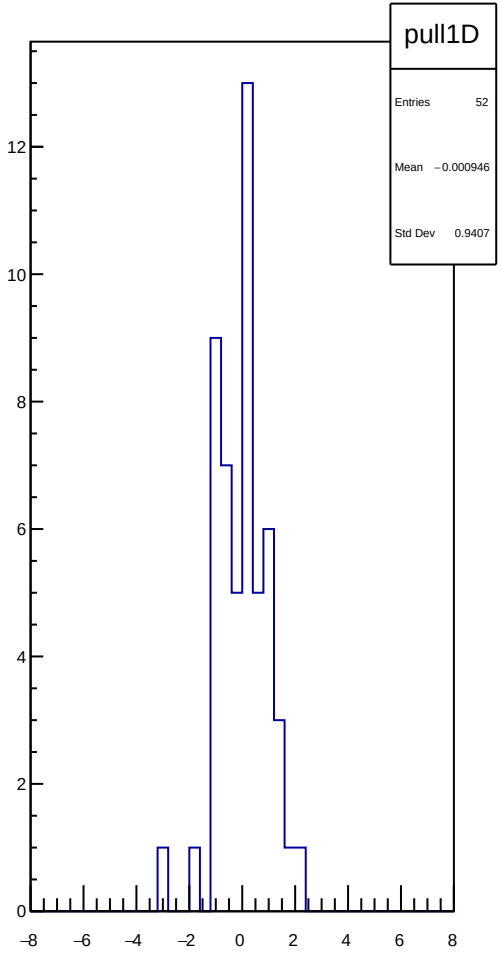
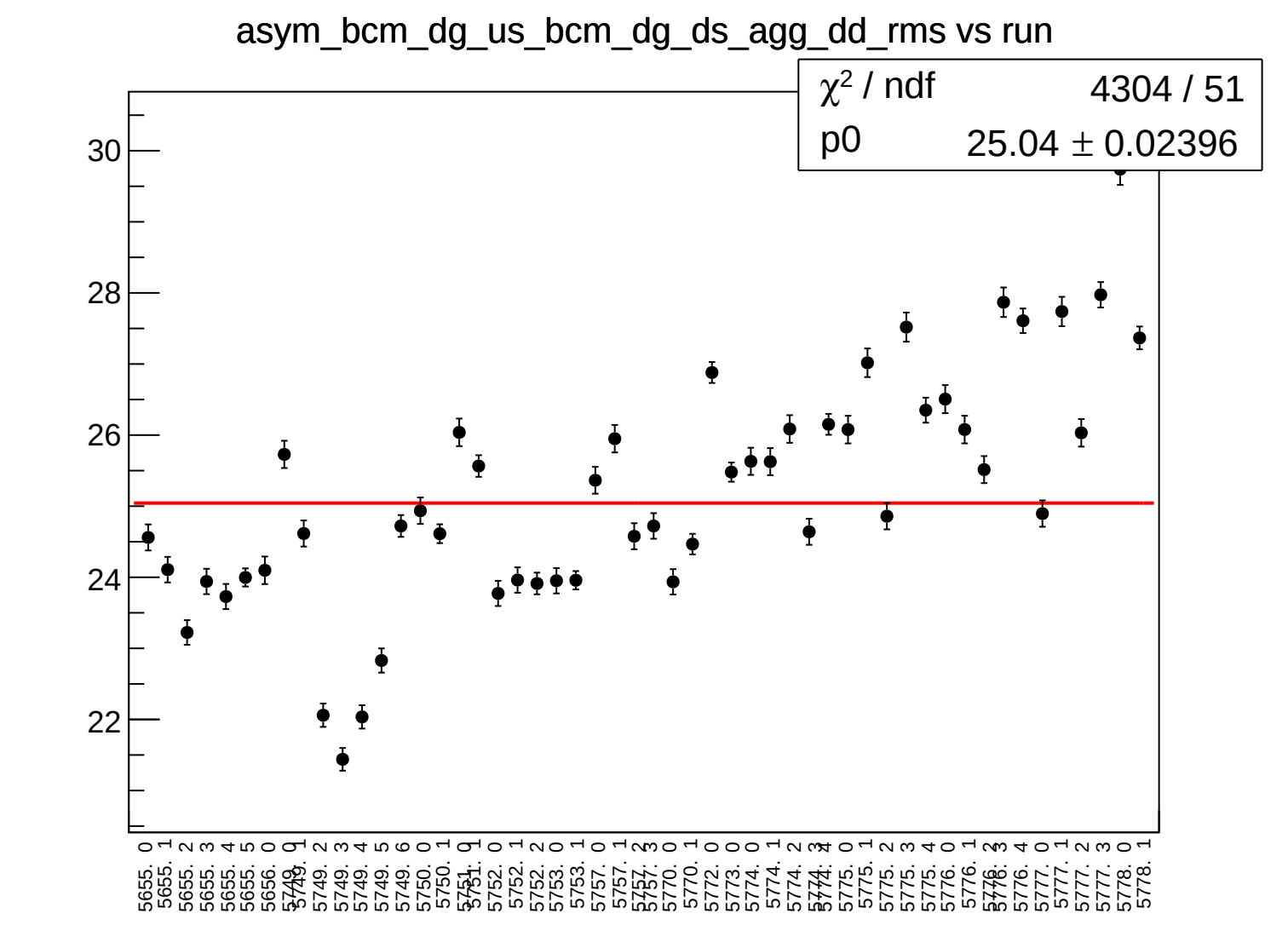
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 46.02 / 51
p0 −43.44 ± 33.89
pull
Entries 52
Mean 104.2
Std Dev 0


pull1D
Entries 52
Mean −0.000946
Std Dev 0.9407


asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 4304 / 51
p0 25.04 ± 0.02396
30
28
26
24
22
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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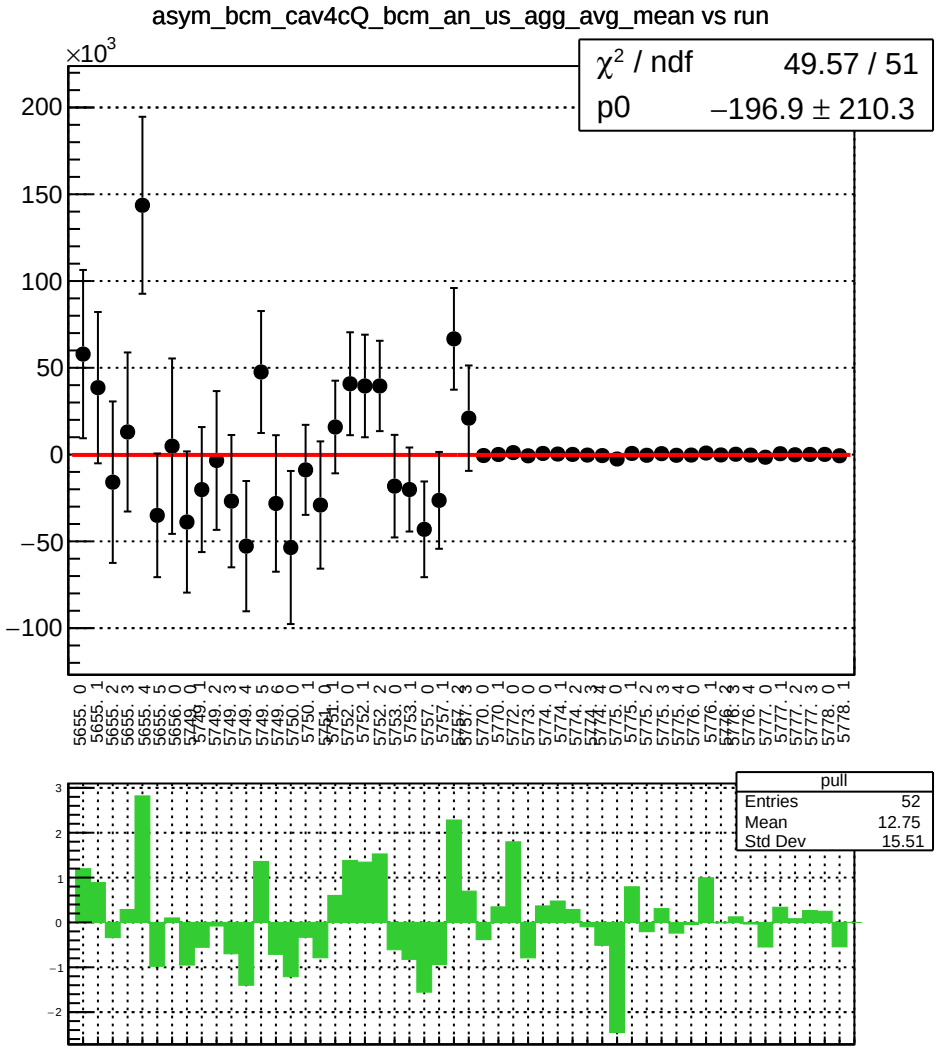
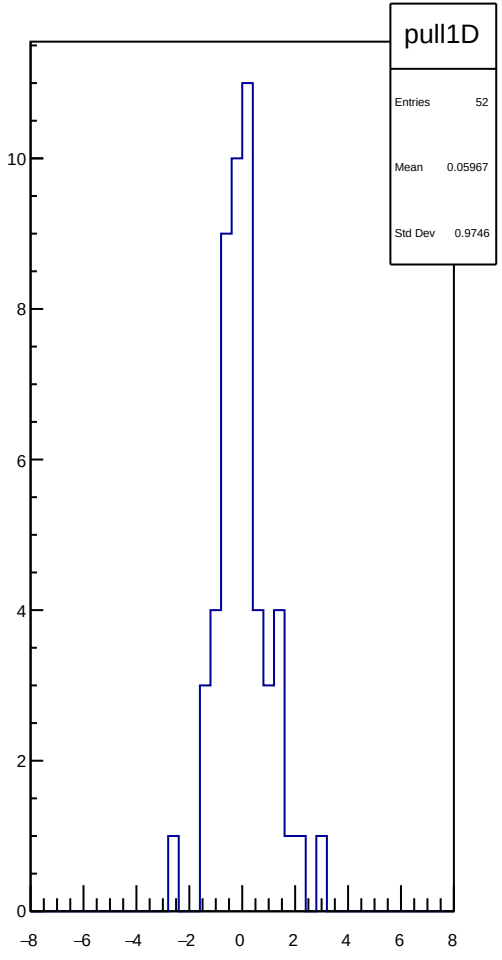
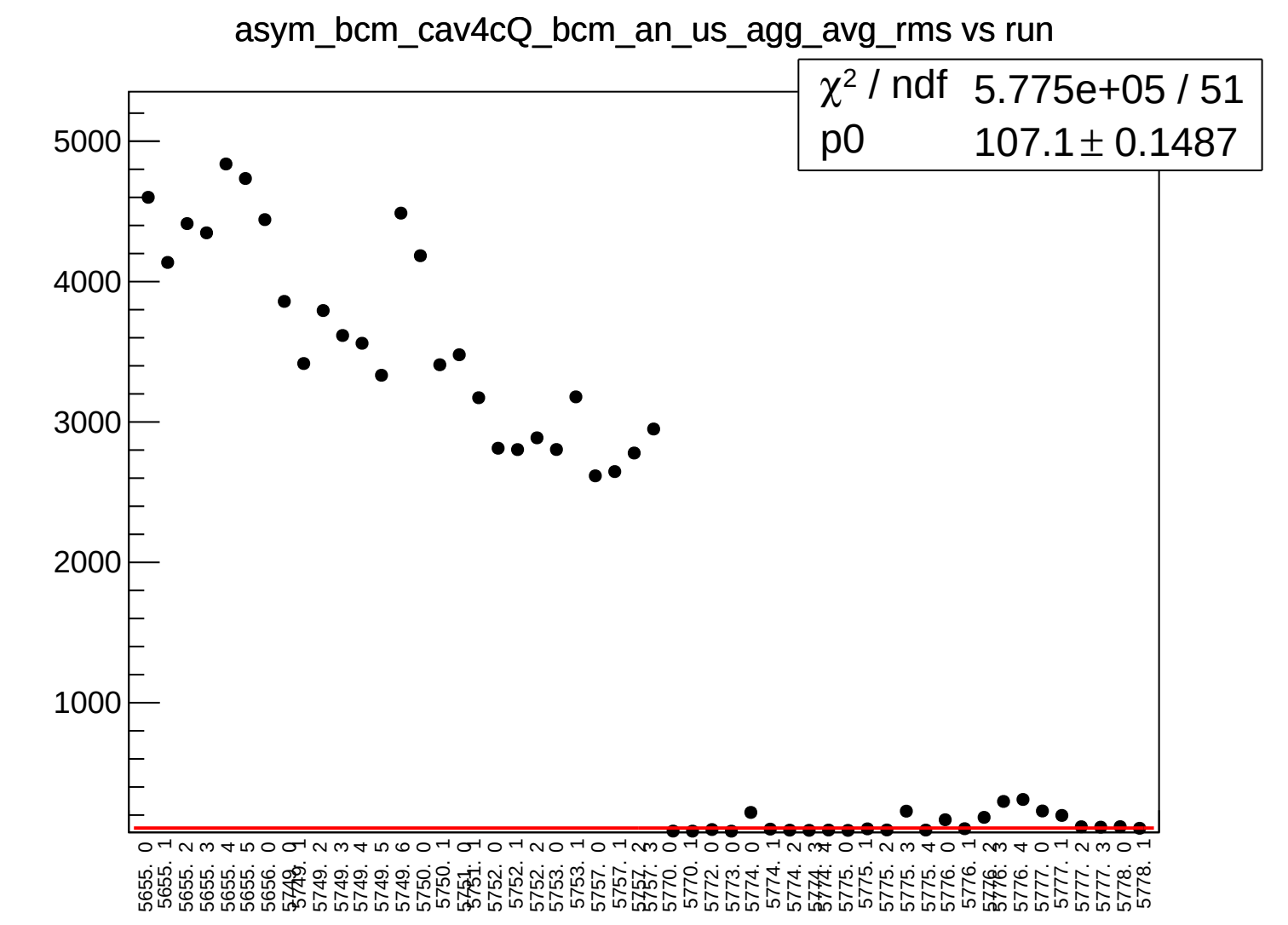
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 49.57 / 51
p0 −196.9 ± 210.3
×10³
pull
Entries 52
Mean 12.75
Std Dev 15.51


pull1D
Entries 52
Mean 0.05967
Std Dev 0.9746


asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 5.775e+05 / 51
p0 107.1 ± 0.1487
5000
4000
3000
2000
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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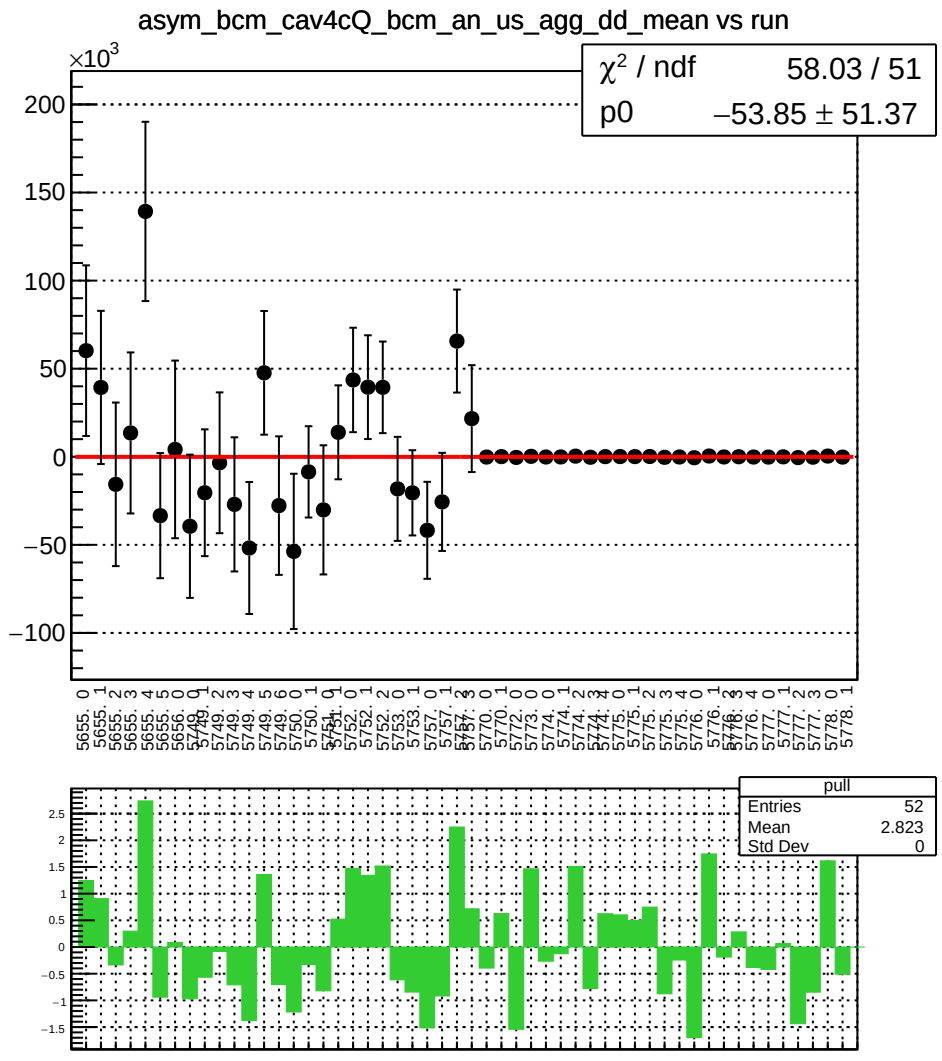
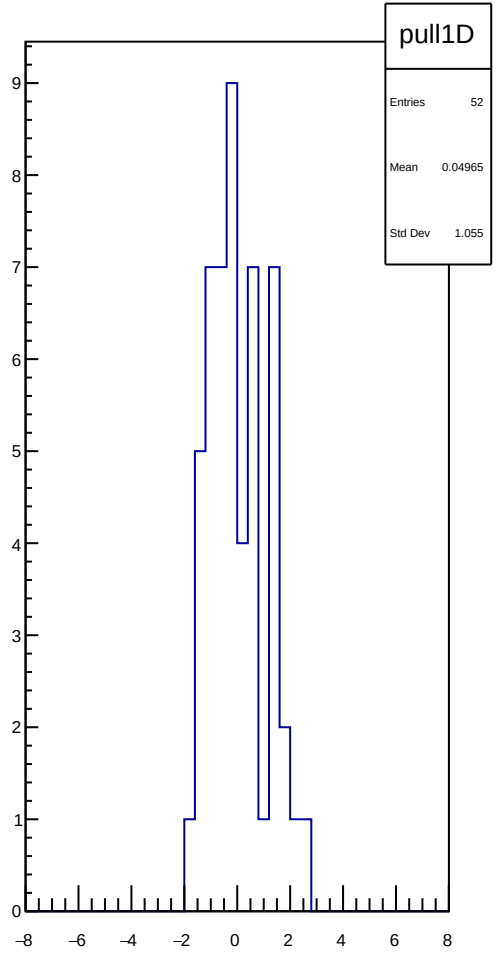
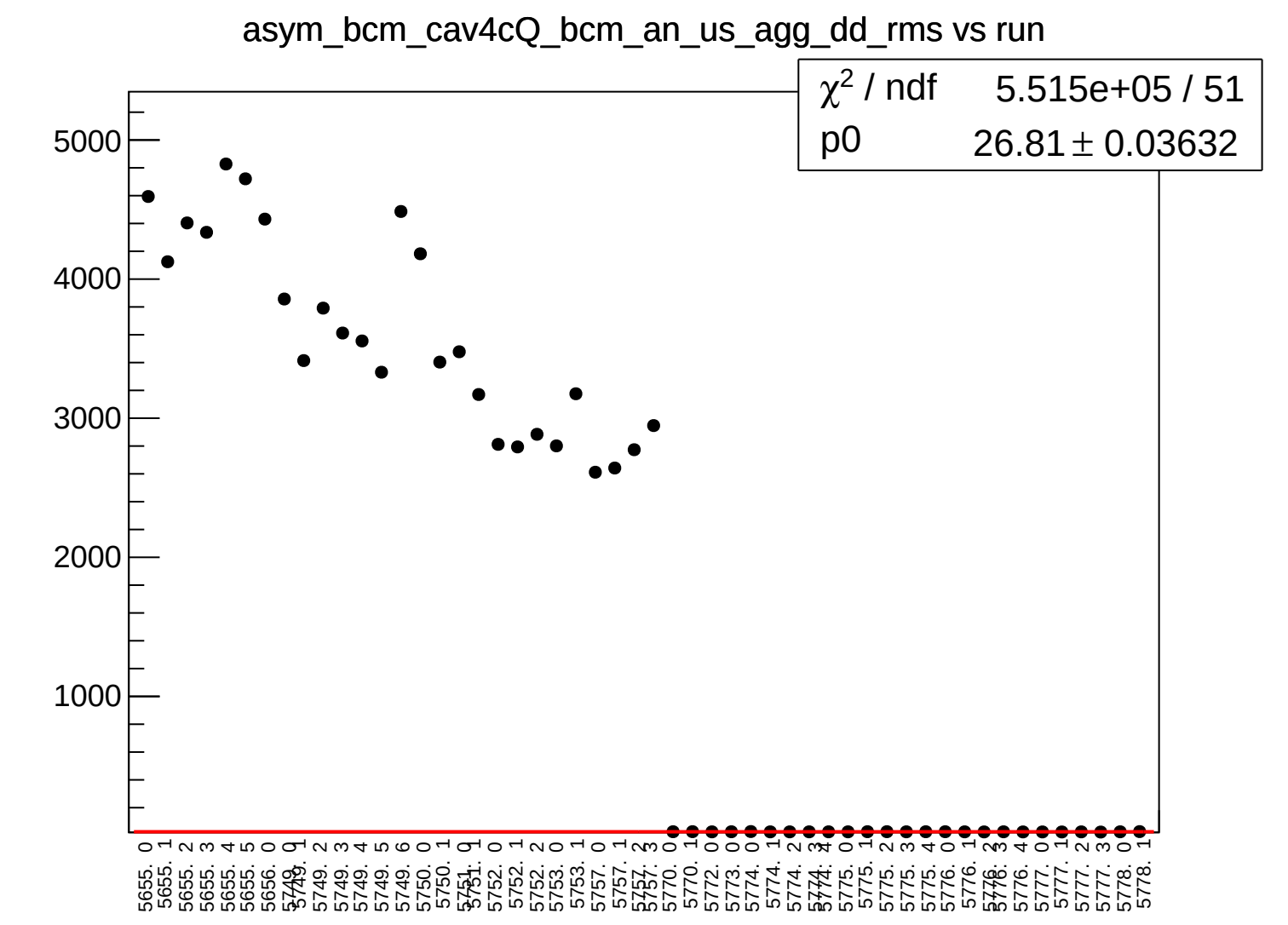
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
×10^3
χ² / ndf 58.03 / 51
p0 −53.85 ± 51.37
pull
Entries 52
Mean 2.823
Std Dev 0


pull1D
Entries 52
Mean 0.04965
Std Dev 1.055


asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ^2 / ndf 5.515e+05 / 51
p0 26.81 ± 0.03632
5000
4000
3000
2000
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
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5775. 3
5775. 4
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5777. 1
5777. 2
5777. 3
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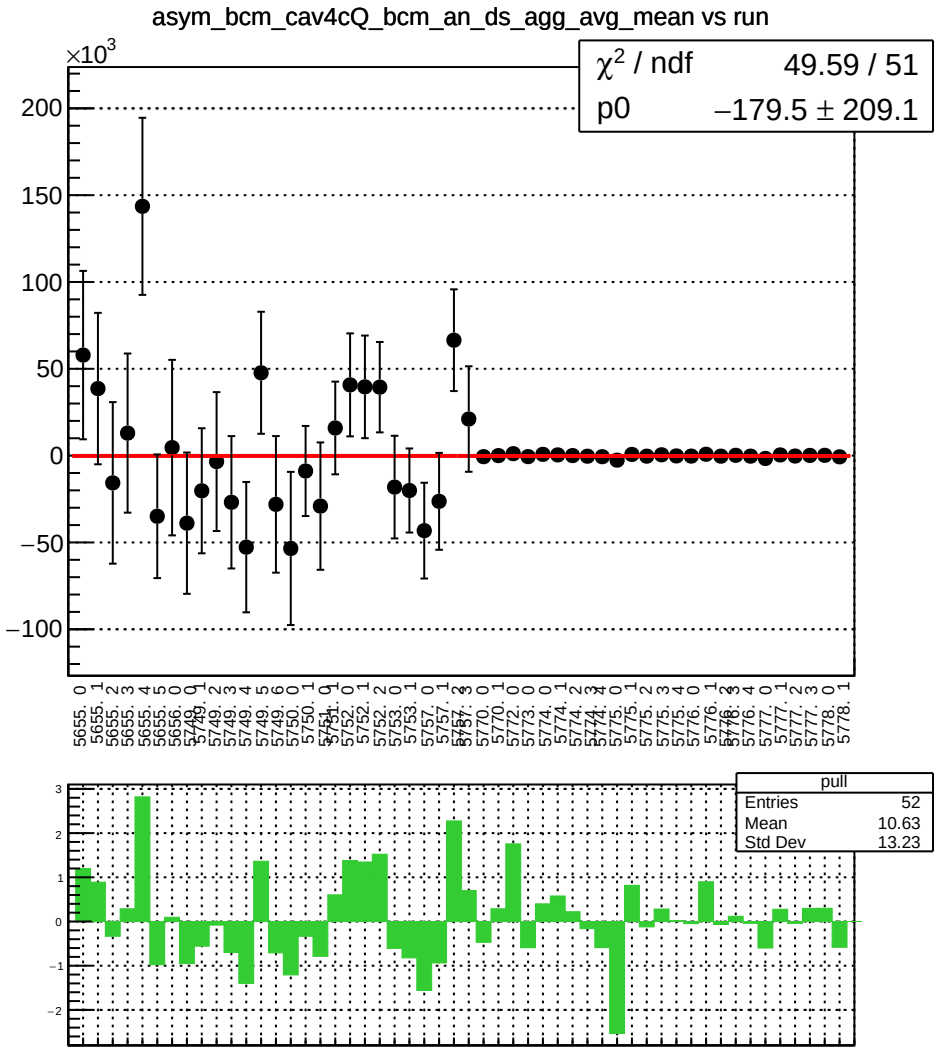
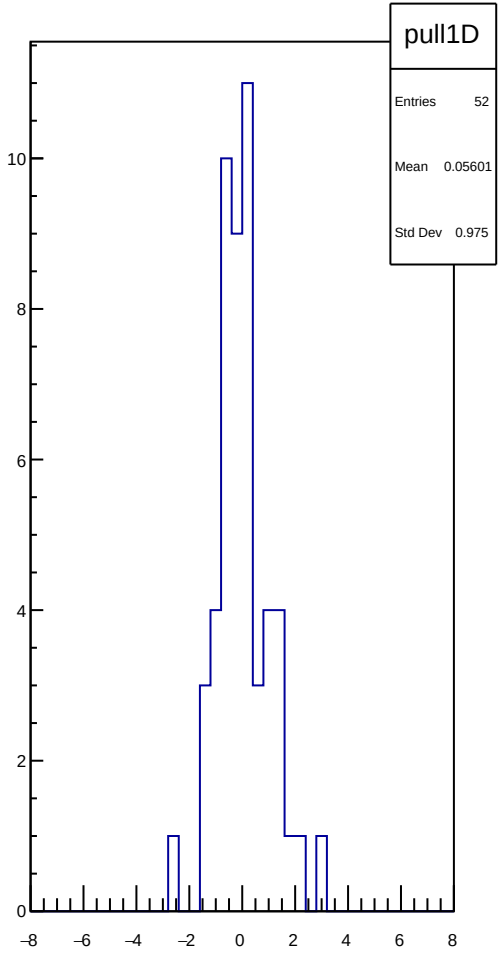
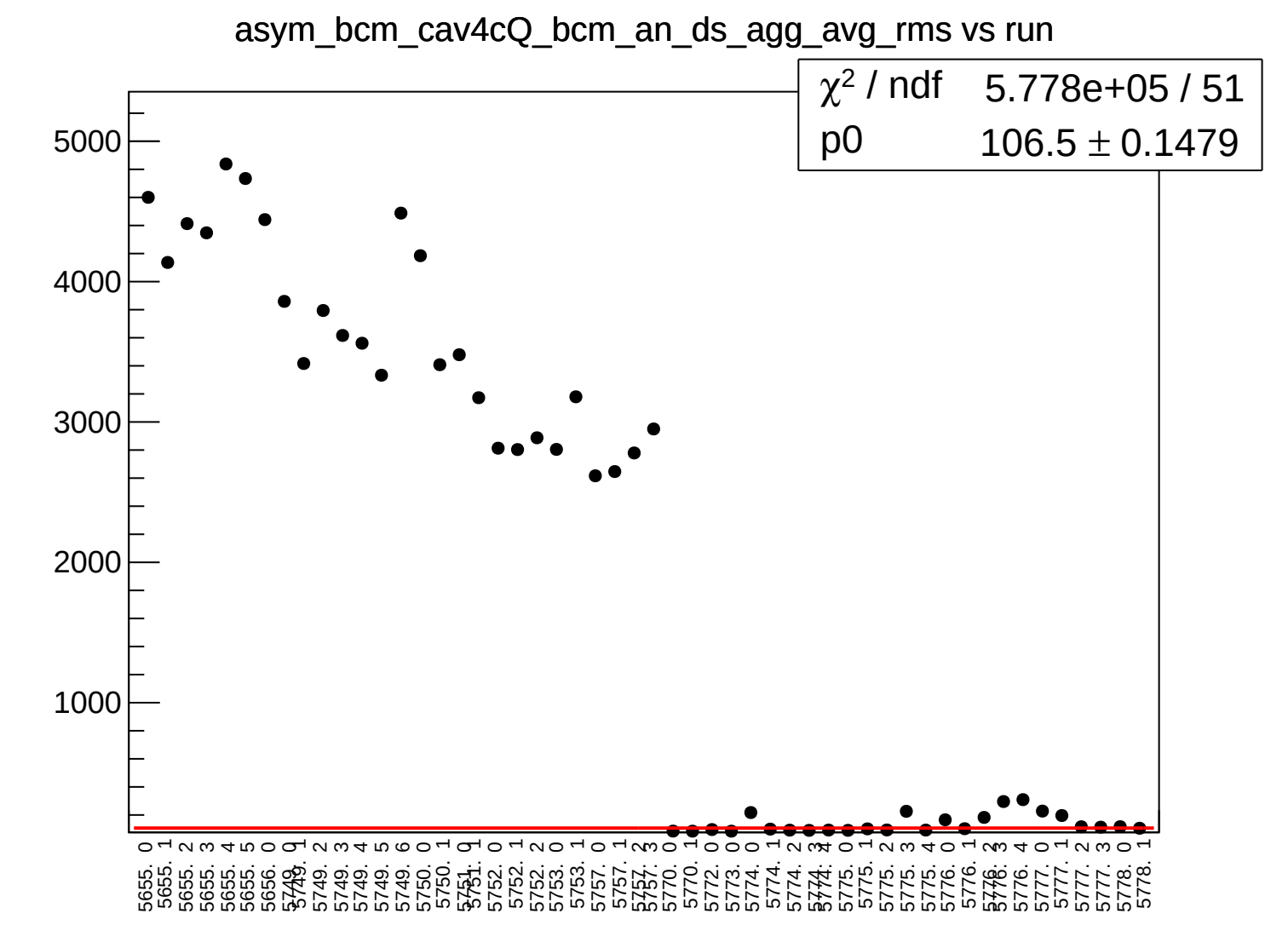
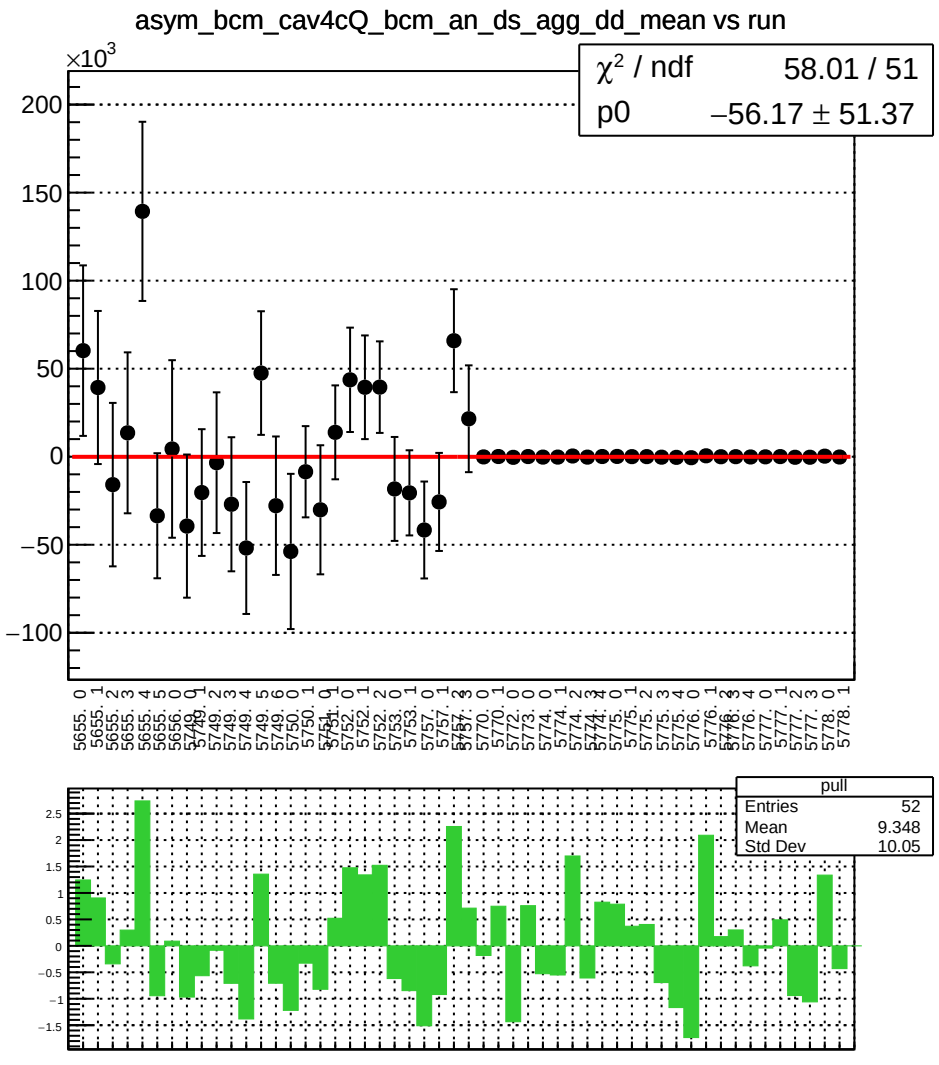
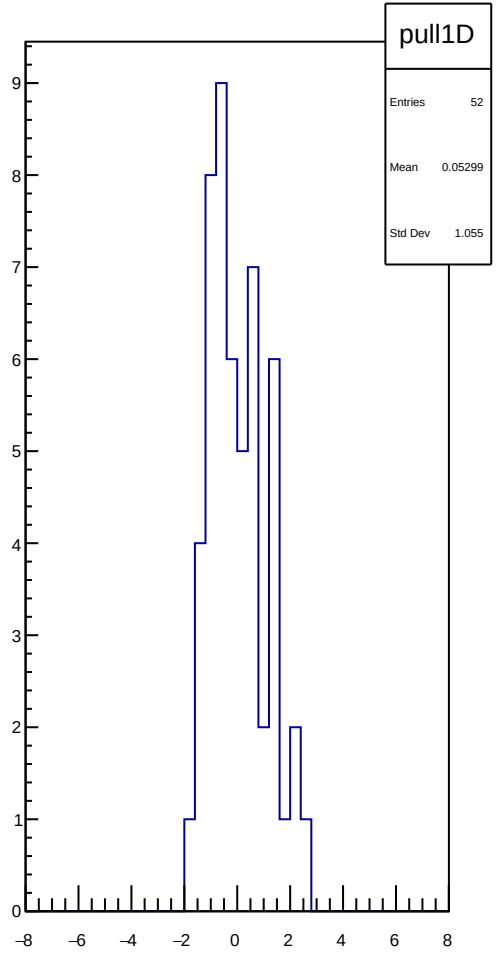
5778. 1

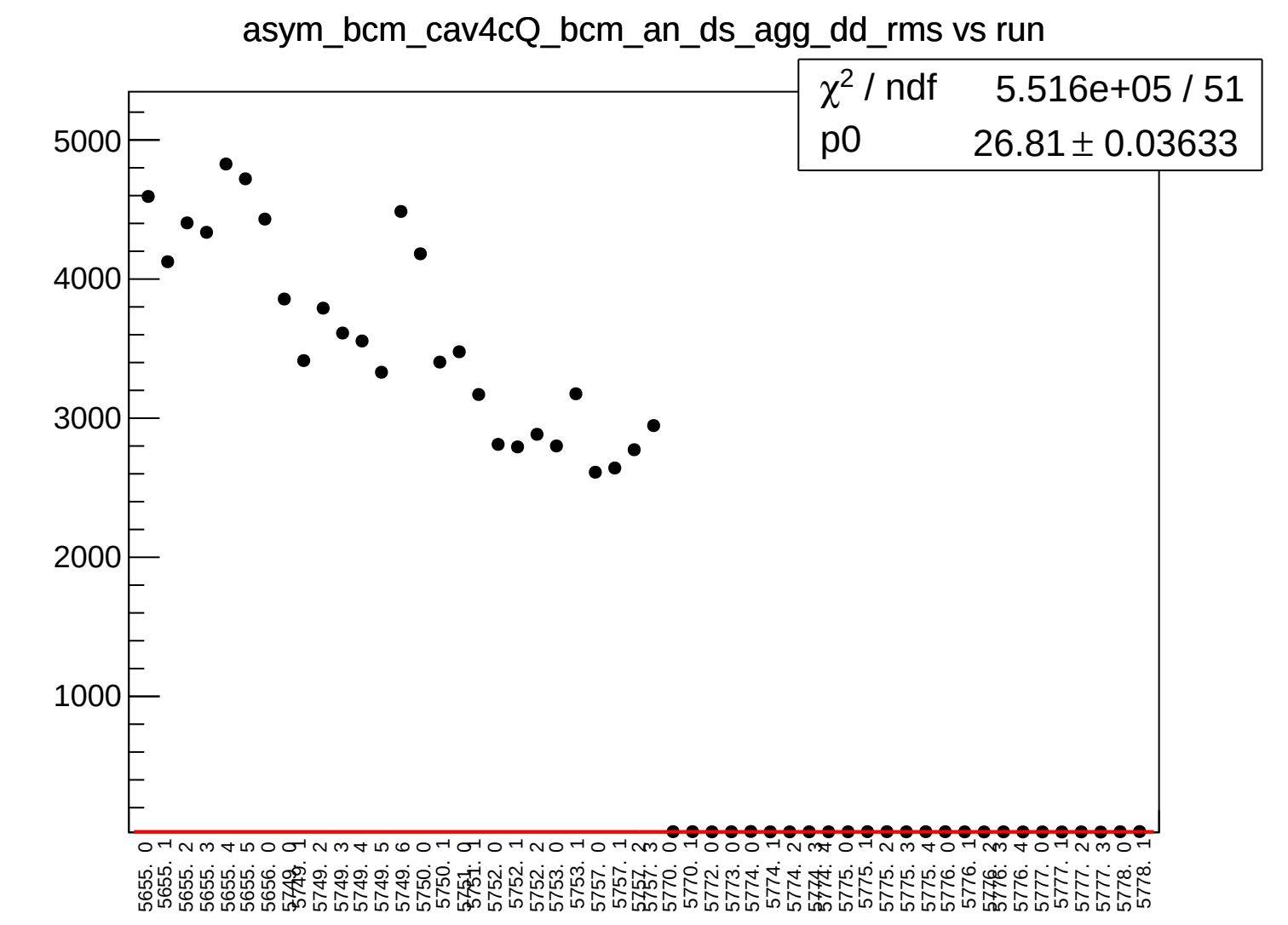

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
×10^3
χ² / ndf 49.59 / 51
p0 −179.5 ± 209.1
pull
Entries 52
Mean 10.63
Std Dev 13.23

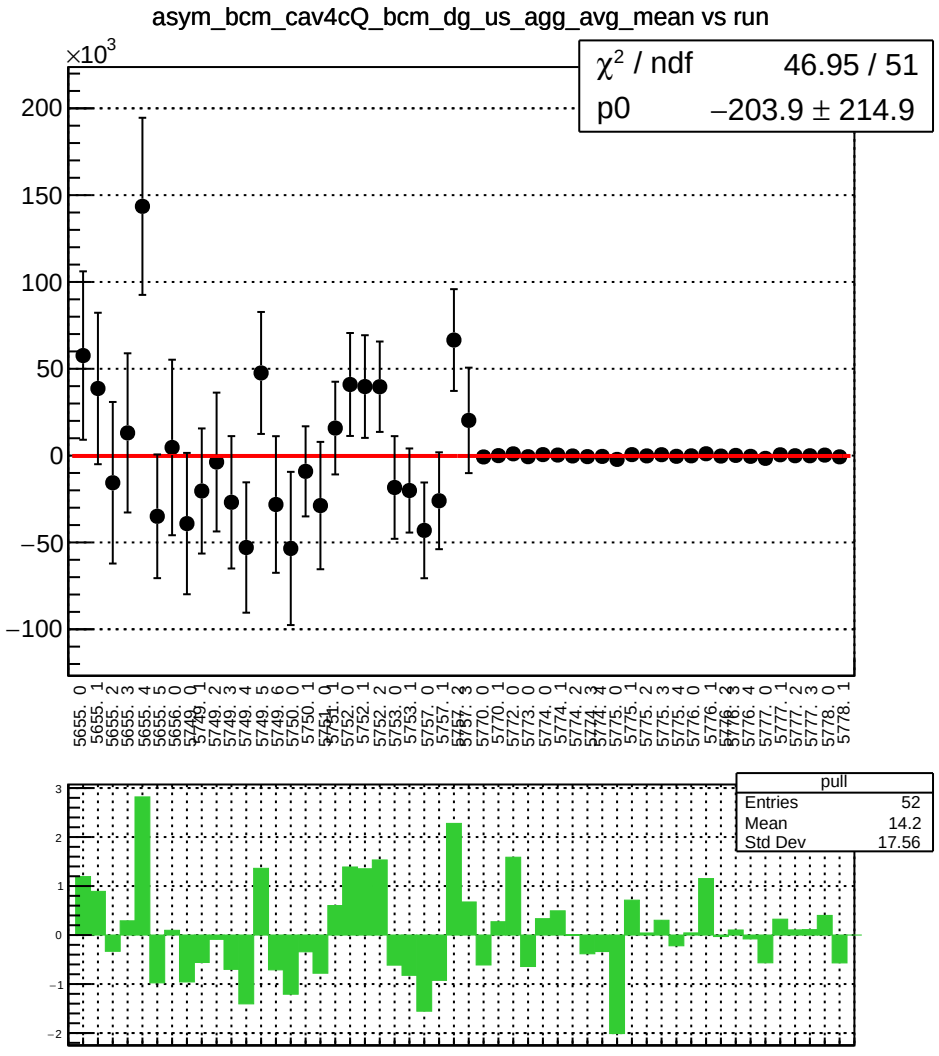

pull1D
Entries 52
Mean 0.05601
Std Dev 0.975

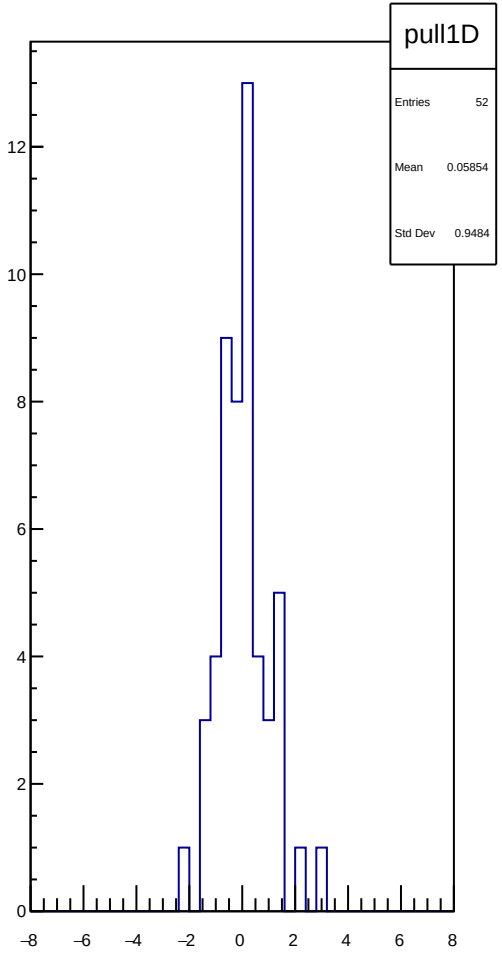

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 5.778e+05 / 51
p0 106.5 ± 0.1479
5000
4000
3000
2000
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

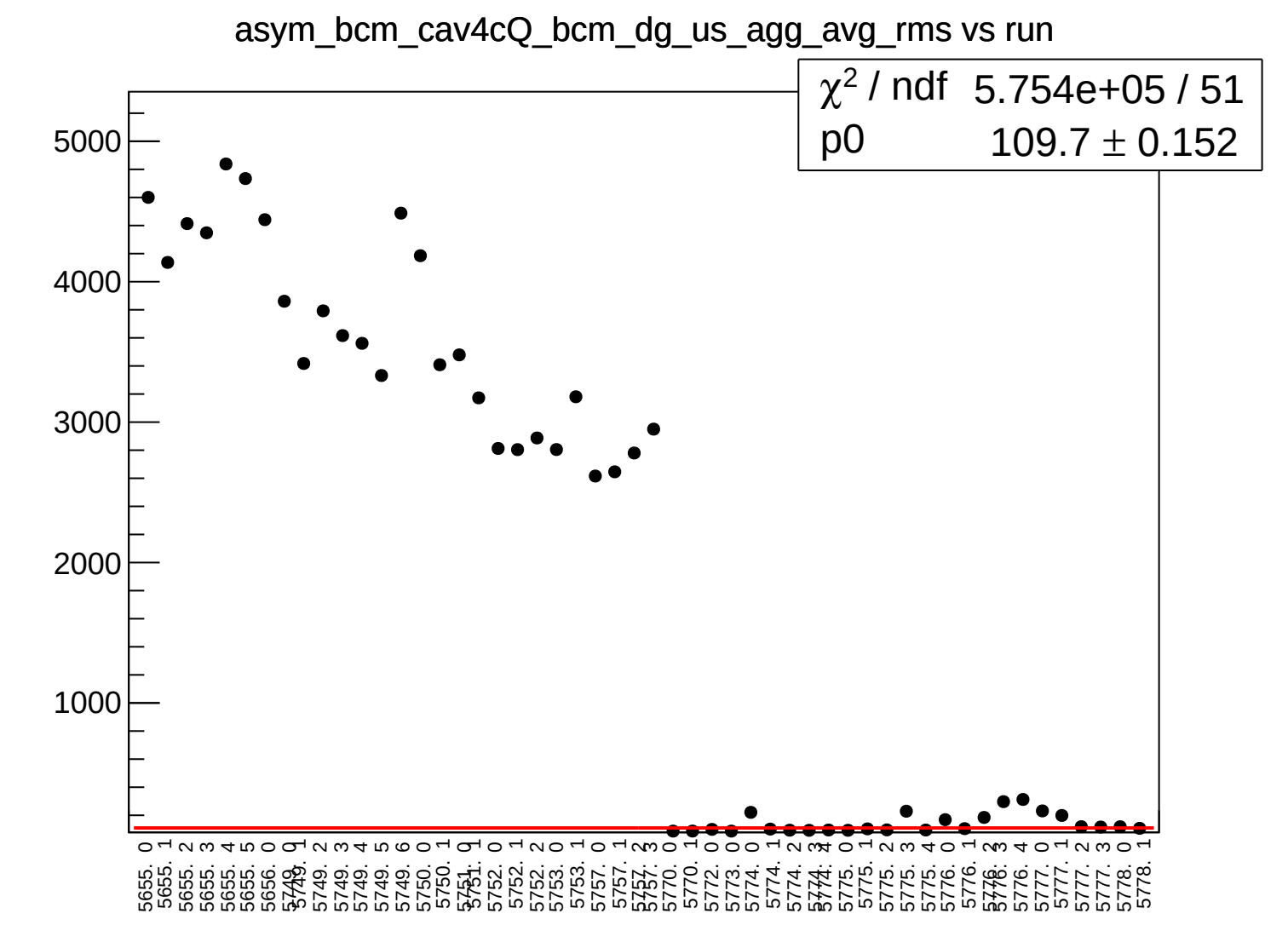

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
×10^3
χ² / ndf 58.01 / 51
p0 −56.17 ± 51.37
pull
Entries 52
Mean 9.348
Std Dev 10.05

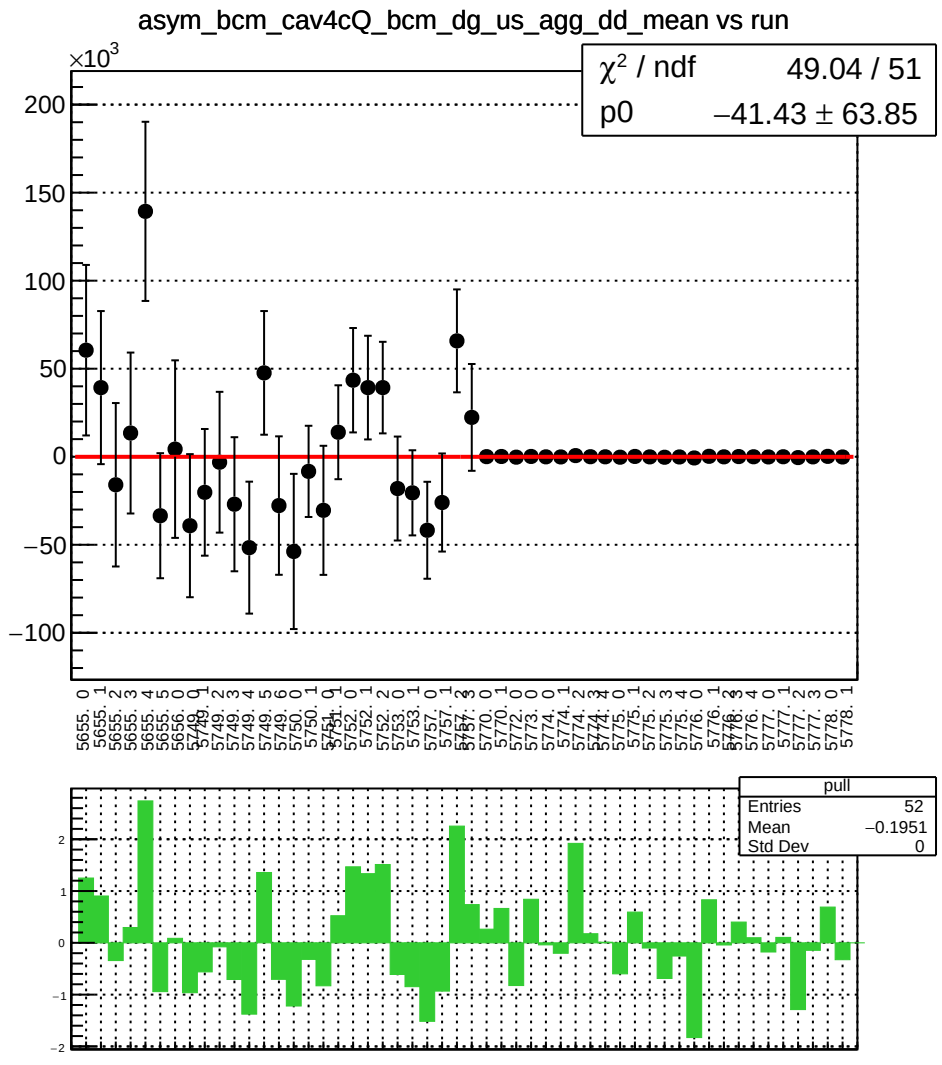

pull1D
Entries 52
Mean 0.05299
Std Dev 1.055

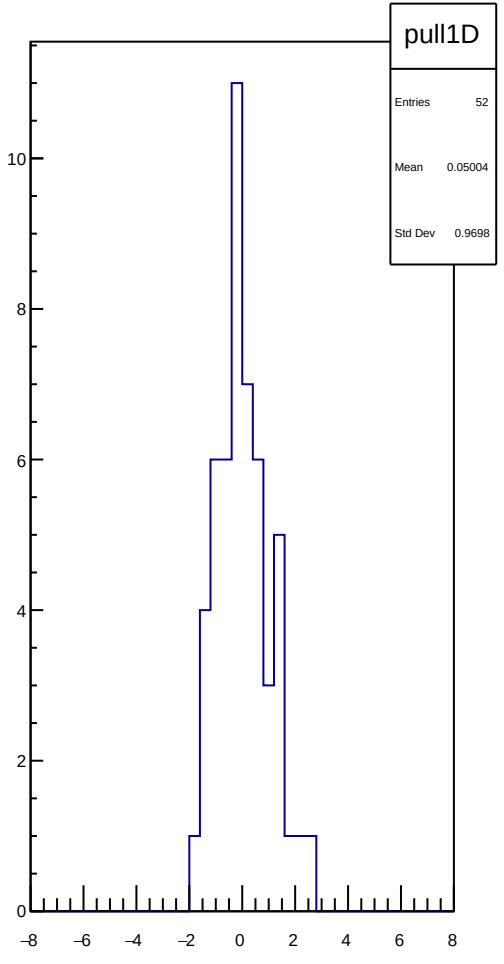

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ^2 / ndf 5.516e+05 / 51
p0 26.81 ± 0.03633
5000
4000
3000
2000
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

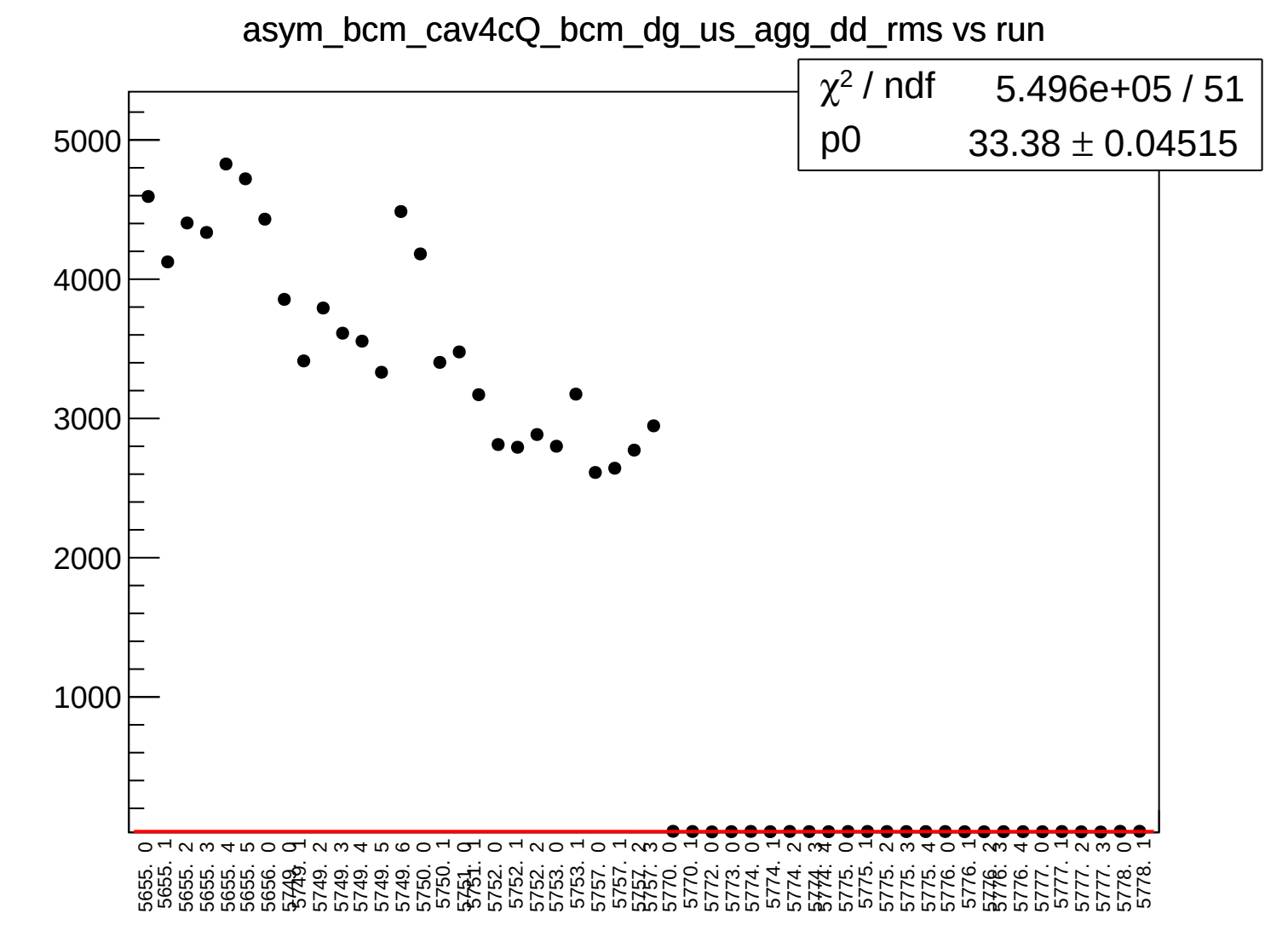

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
×10^3
χ² / ndf 46.95 / 51
p0 −203.9 ± 214.9
pull
Entries 52
Mean 14.2
Std Dev 17.56

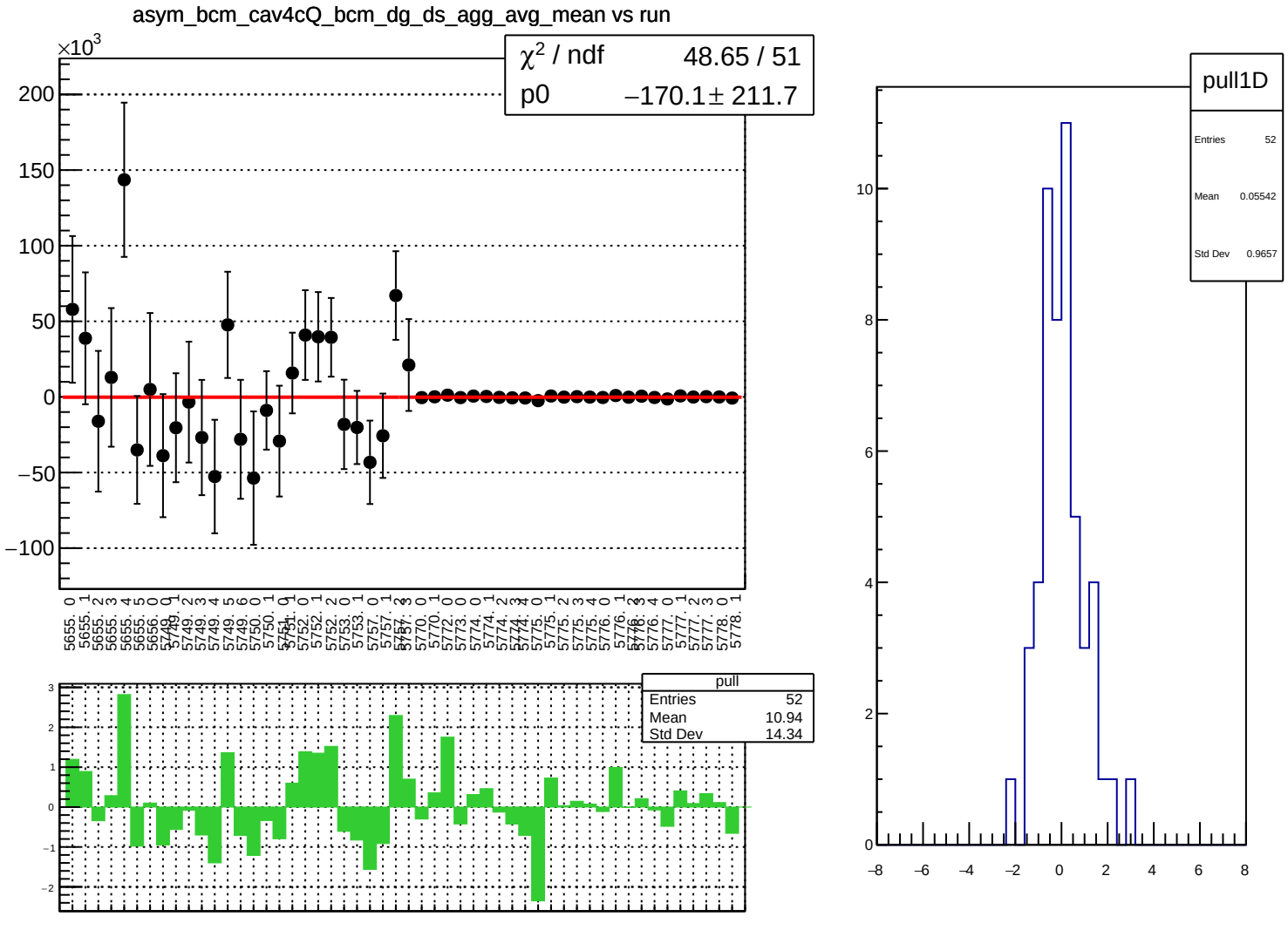

pull1D
Entries 52
Mean 0.05854
Std Dev 0.9484

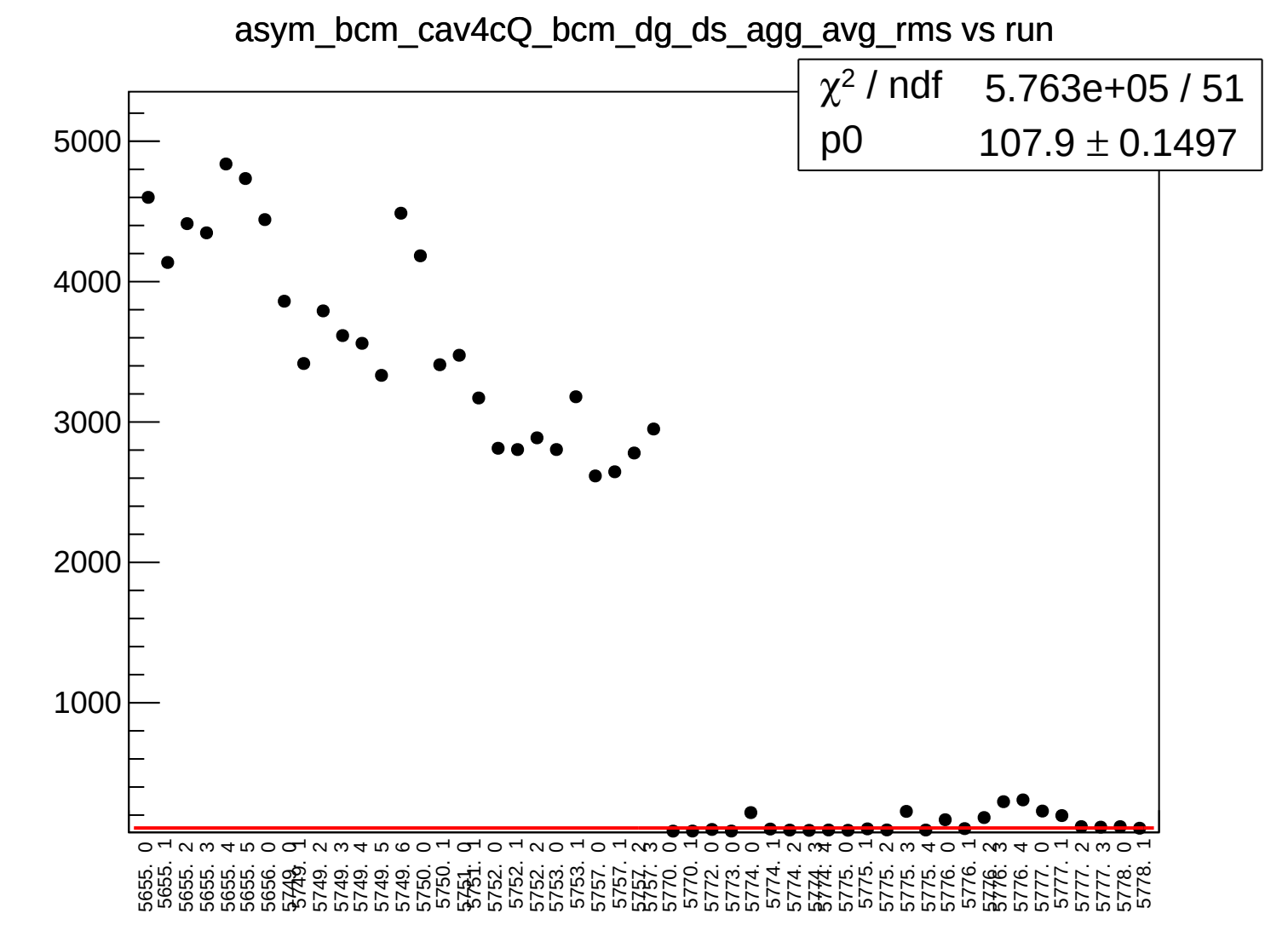

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 5.754e+05 / 51
p0 109.7 ± 0.152
5000
4000
3000
2000
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

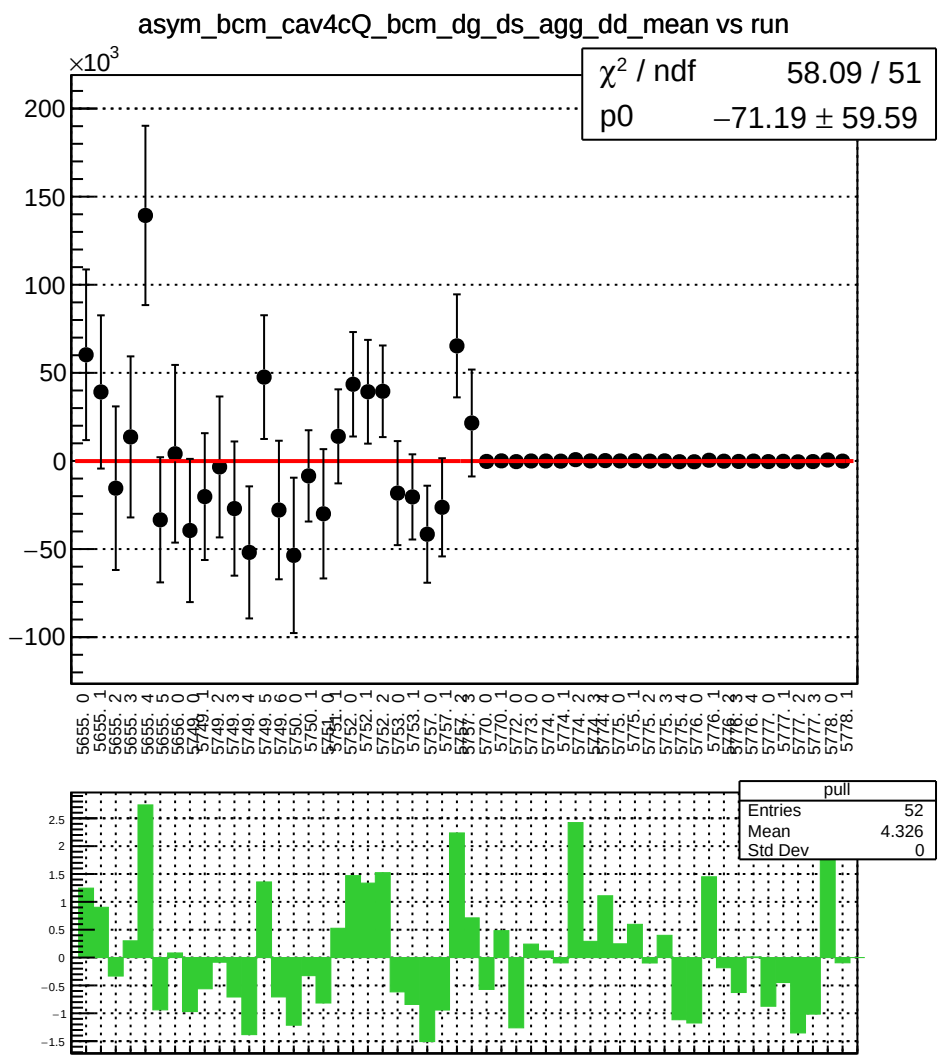

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
×10^3
χ² / ndf 49.04 / 51
p0 −41.43 ± 63.85
pull
Entries 52
Mean −0.1951
Std Dev 0

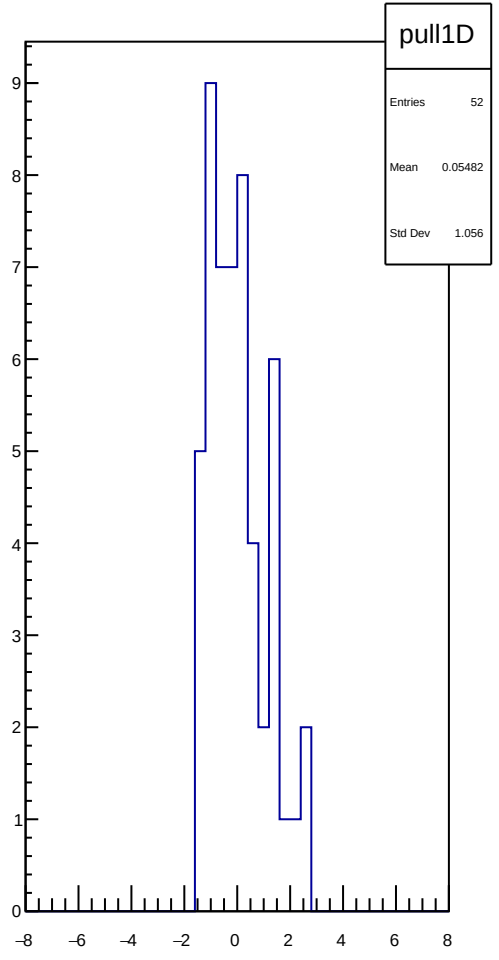

pull1D
Entries 52
Mean 0.05004
Std Dev 0.9698

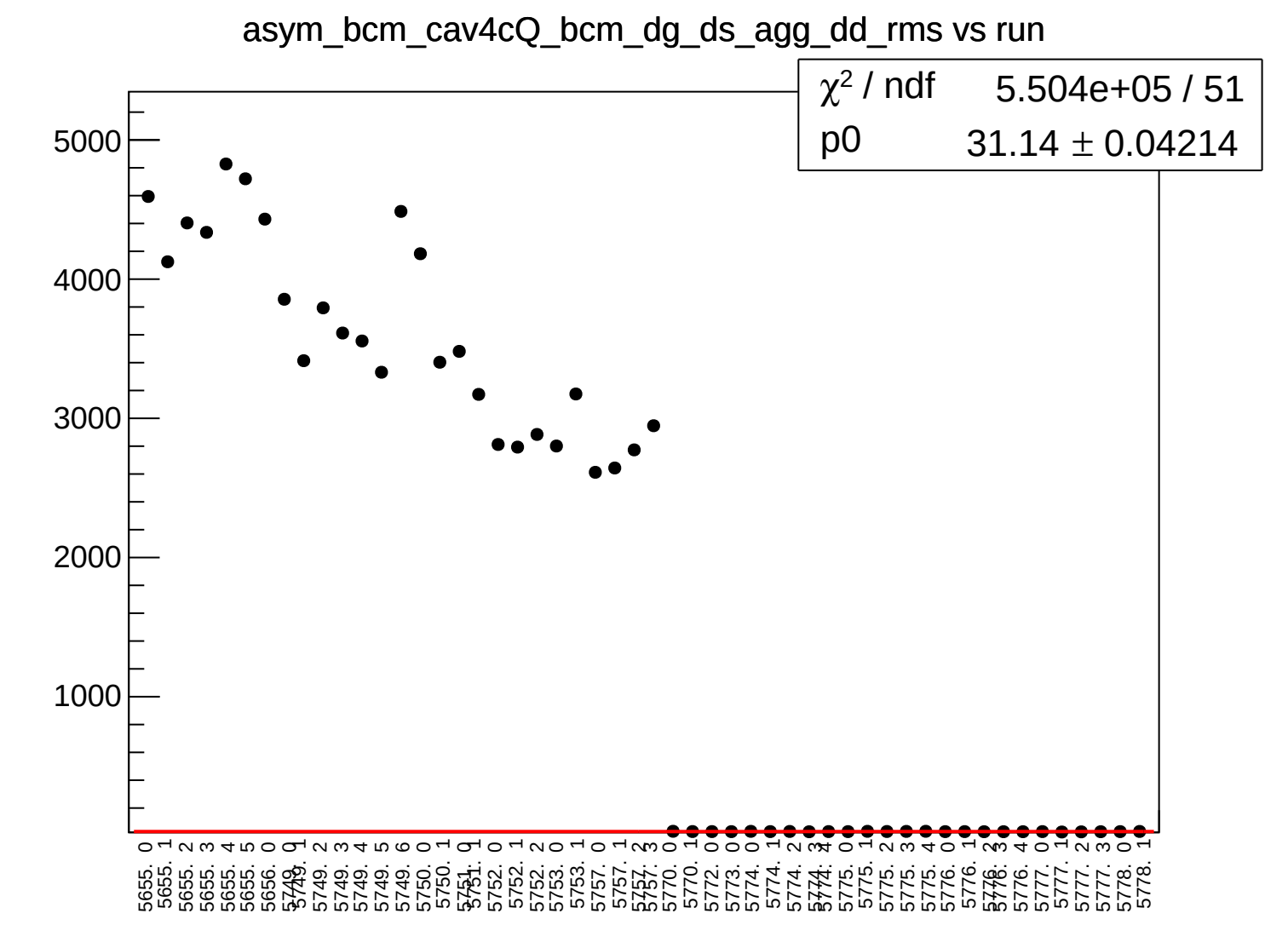

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 5.496e+05 / 51
p0 33.38 ± 0.04515
5000
4000
3000
2000
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

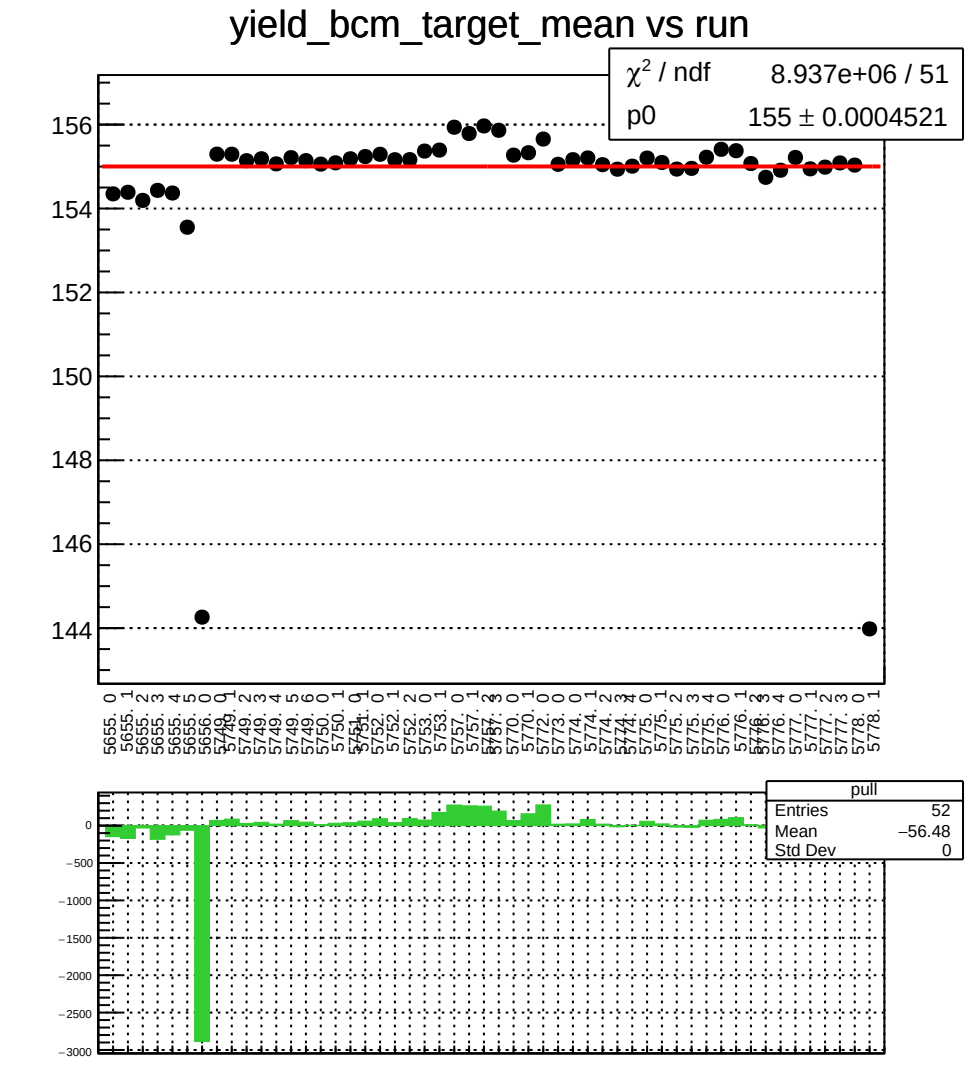

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
×10^3
χ² / ndf 48.65 / 51
p0 −170.1± 211.7
200
150
100
50
0
−50
−100
pull
Entries 52
Mean 10.94
Std Dev 14.34
pull1D
Entries 52
Mean 0.05542
Std Dev 0.9657
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

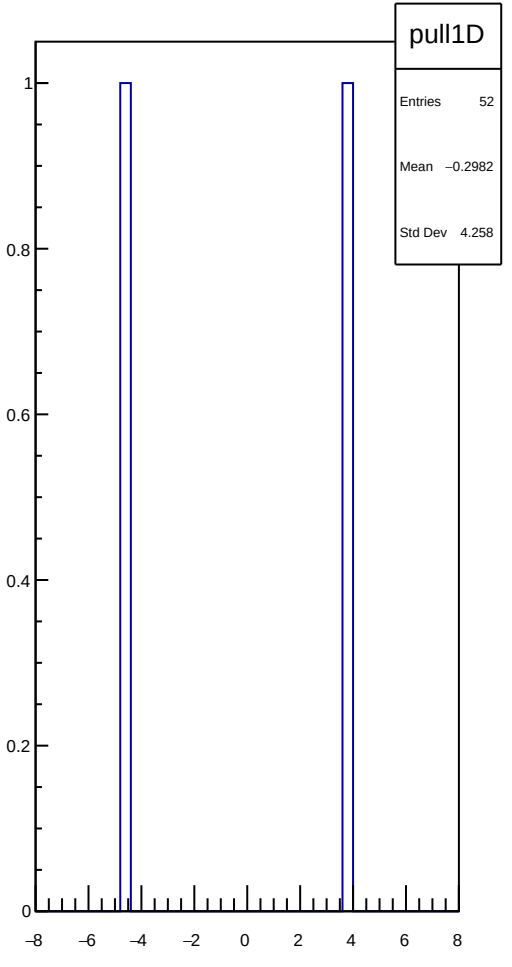

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 5.763e+05 / 51
p0 107.9 ± 0.1497
5000
4000
3000
2000
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

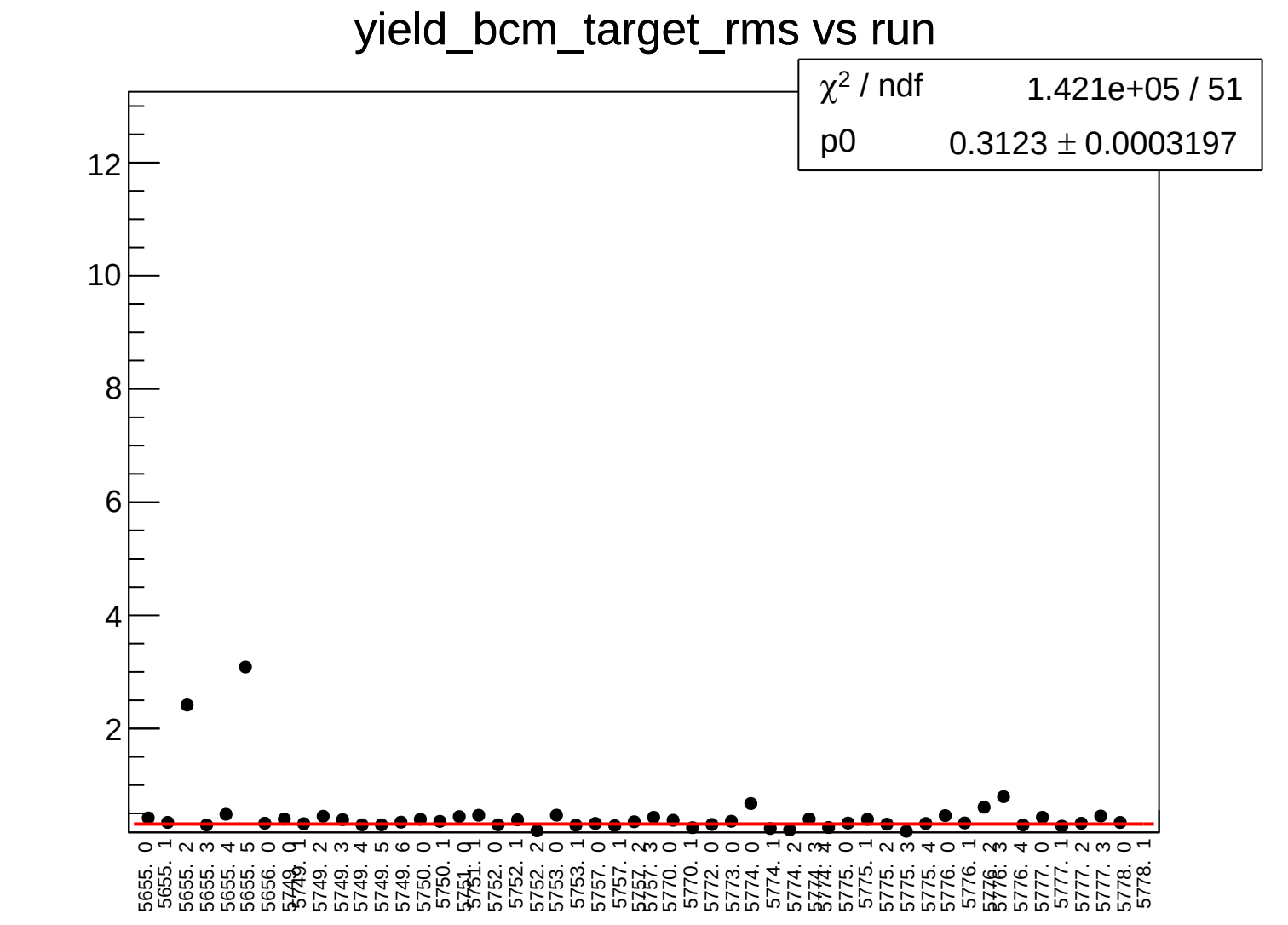

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
×10^3
χ² / ndf 58.09 / 51
p0 −71.19 ± 59.59
pull
Entries 52
Mean 4.326
Std Dev 0

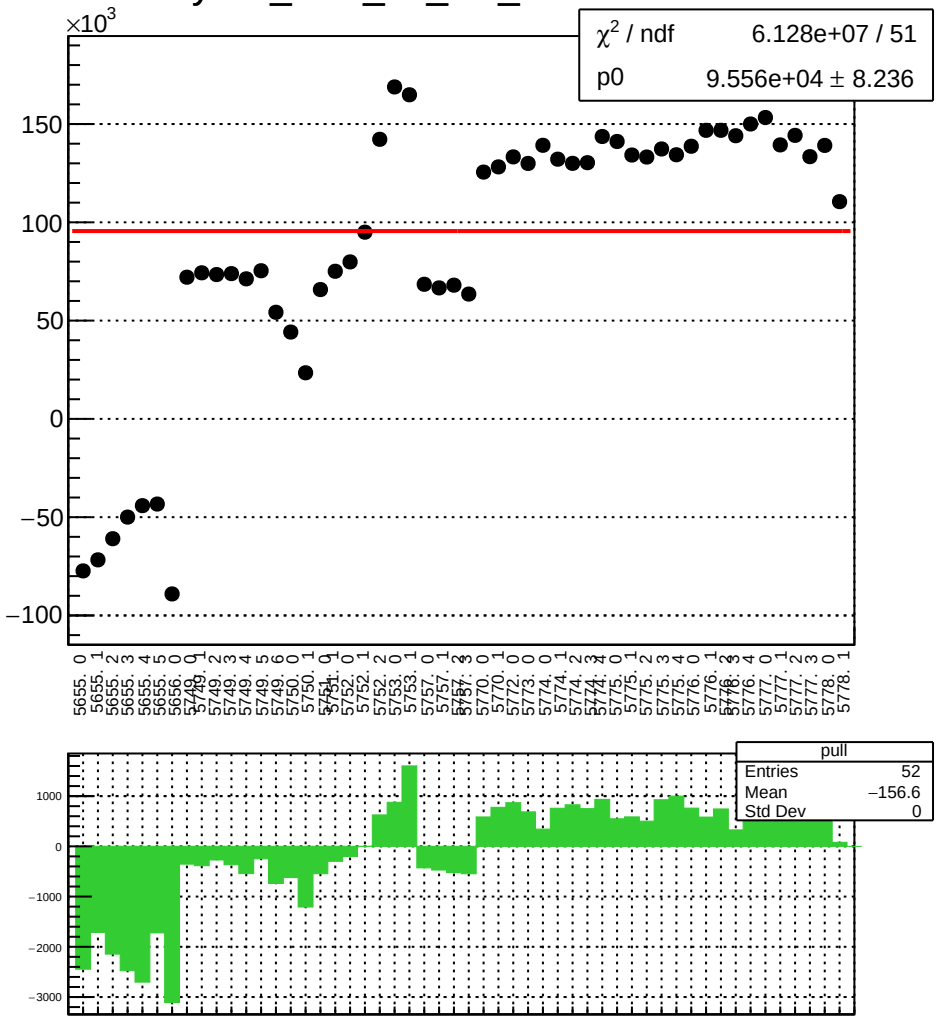

pull1D
Entries 52
Mean 0.05482
Std Dev 1.056

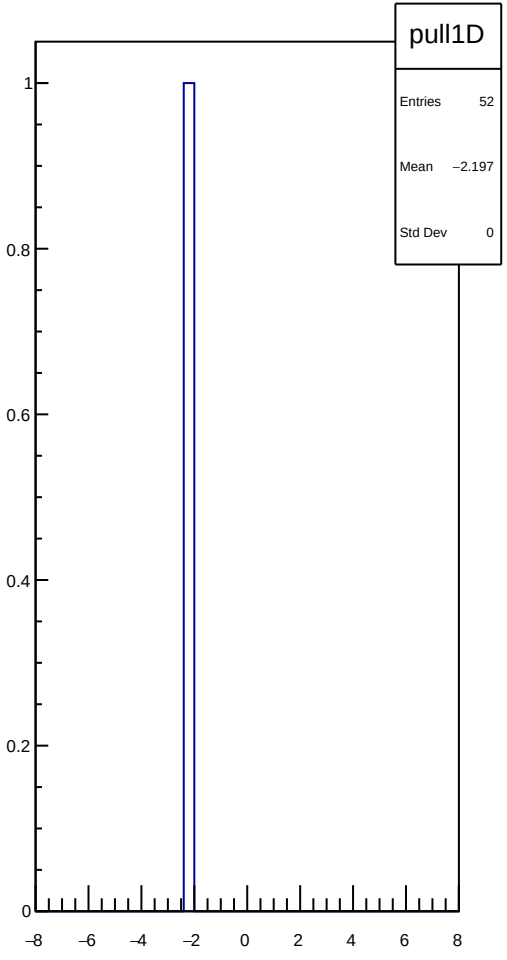

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 5.504e+05 / 51
p0 31.14 ± 0.04214
5000
4000
3000
2000
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

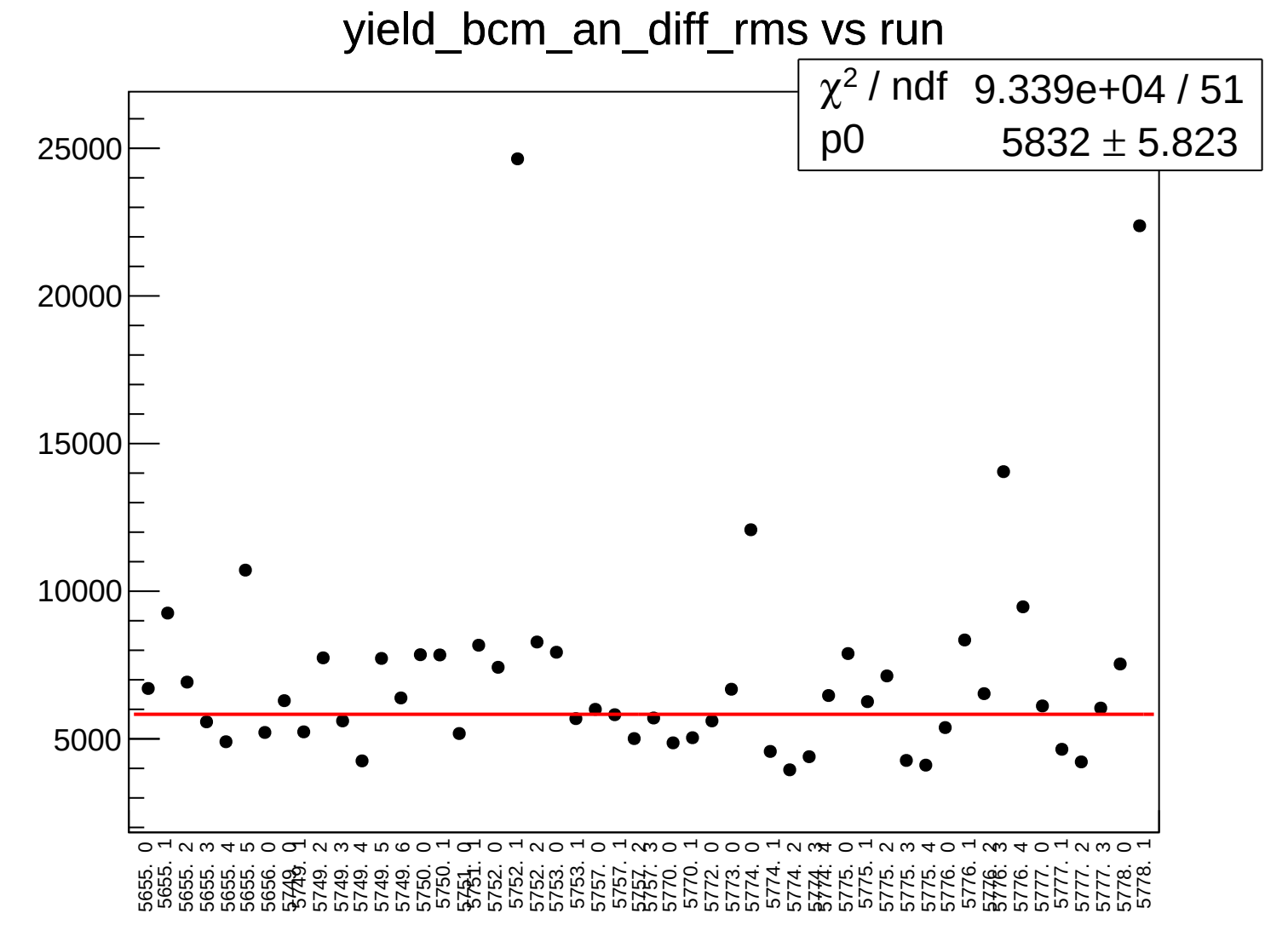

yield_bcm_target_mean vs run
χ² / ndf 8.937e+06 / 51
p0 155 ± 0.0004521
156
154
152
150
148
146
144
pull
Entries 52
Mean −56.48
Std Dev 0
0
−500
−1000
−1500
−2000
−2500
−3000

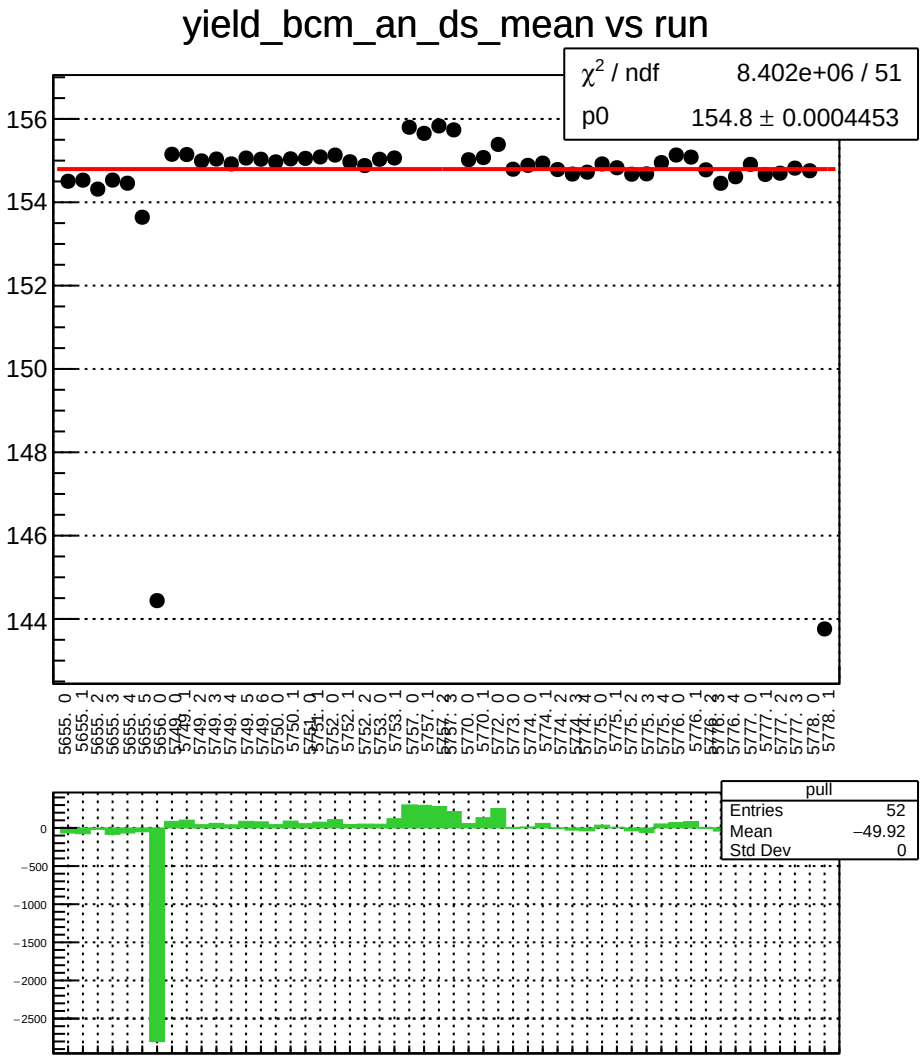

pull1D
Entries 52
Mean −0.2982
Std Dev 4.258
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

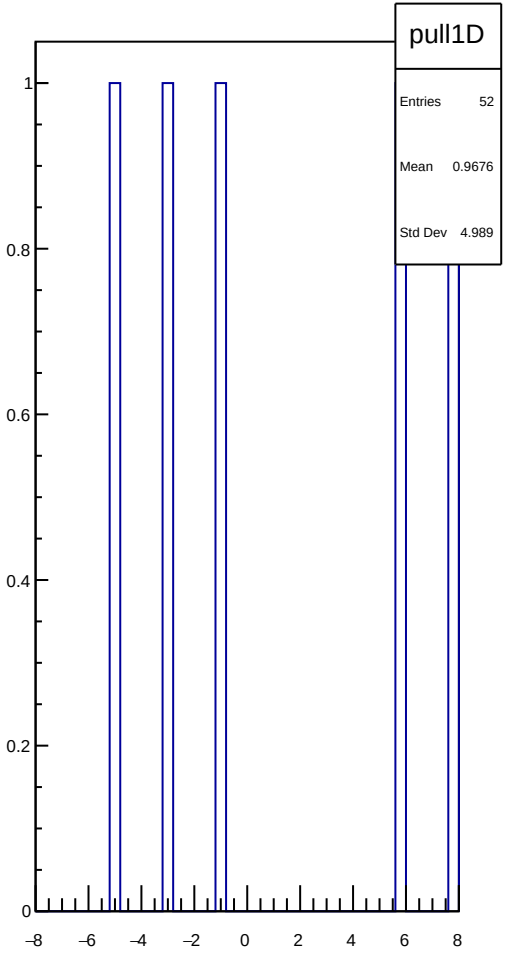

yield_bcm_target_rms vs run
χ² / ndf 1.421e+05 / 51
p0 0.3123 ± 0.0003197
12
10
8
6
4
2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

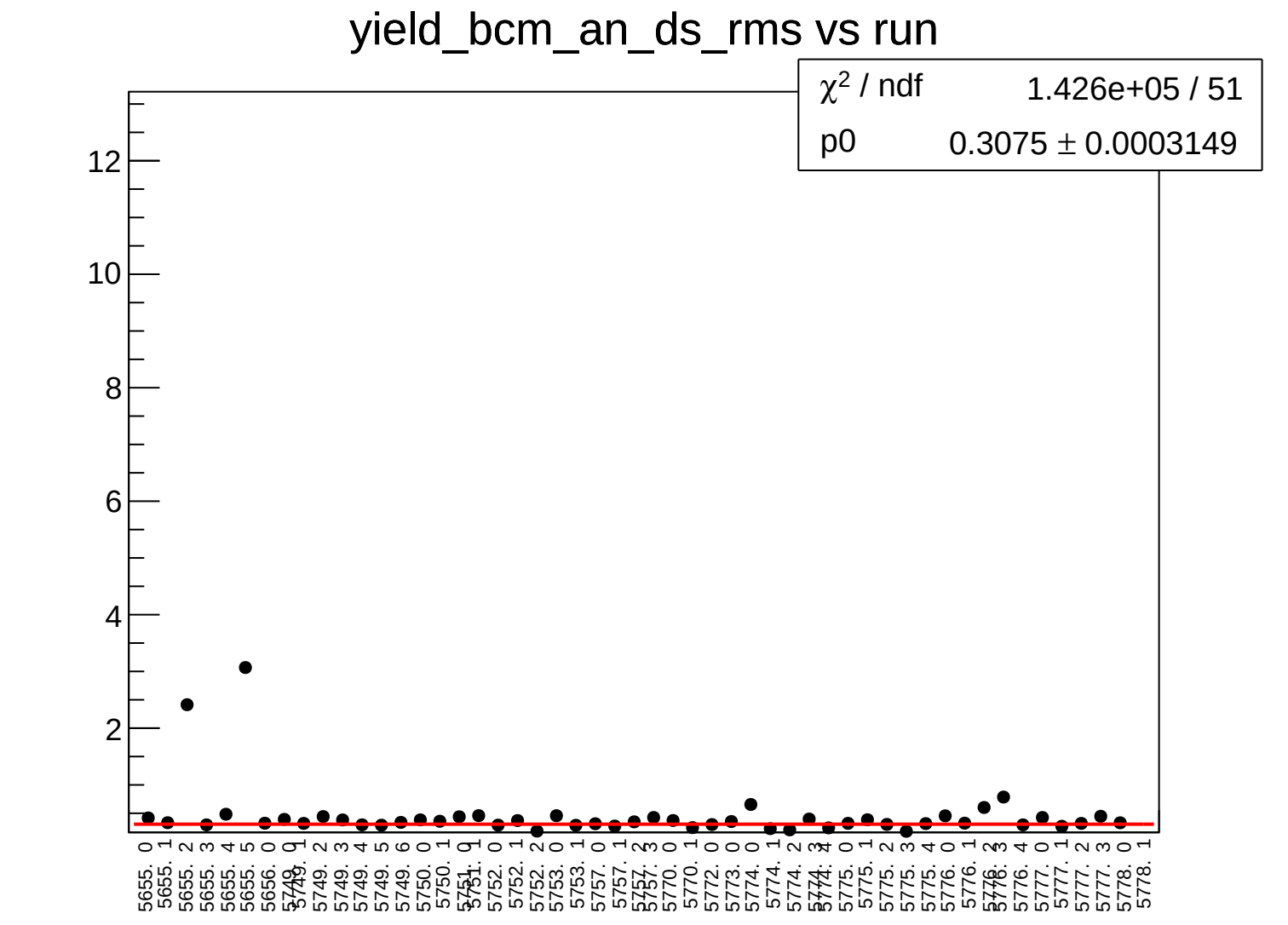

yield_bcm_an_diff_mean vs run
×10^3
χ^2 / ndf 6.128e+07 / 51
p0 9.556e+04 ± 8.236
150
100
50
0
−50
−100
pull
Entries 52
Mean −156.6
Std Dev 0
1000
0
−1000
−2000
−3000

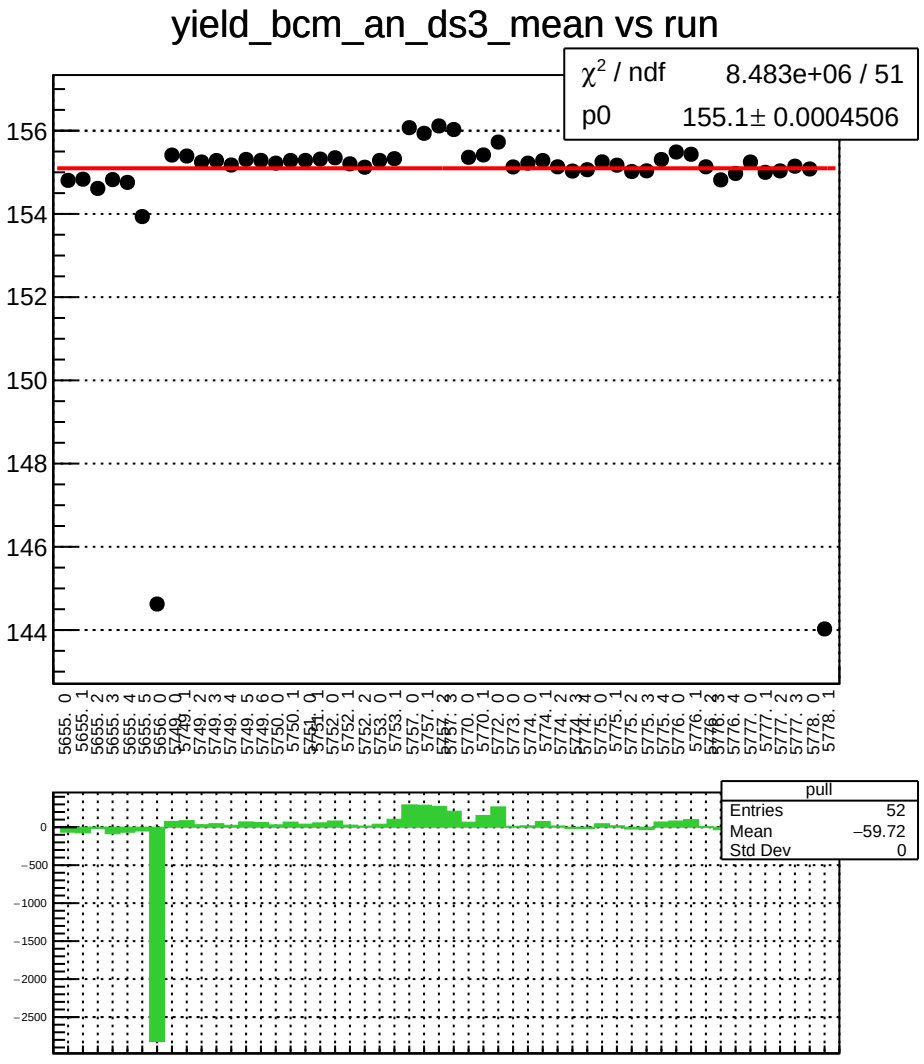

pull1D
Entries 52
Mean −2.197
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

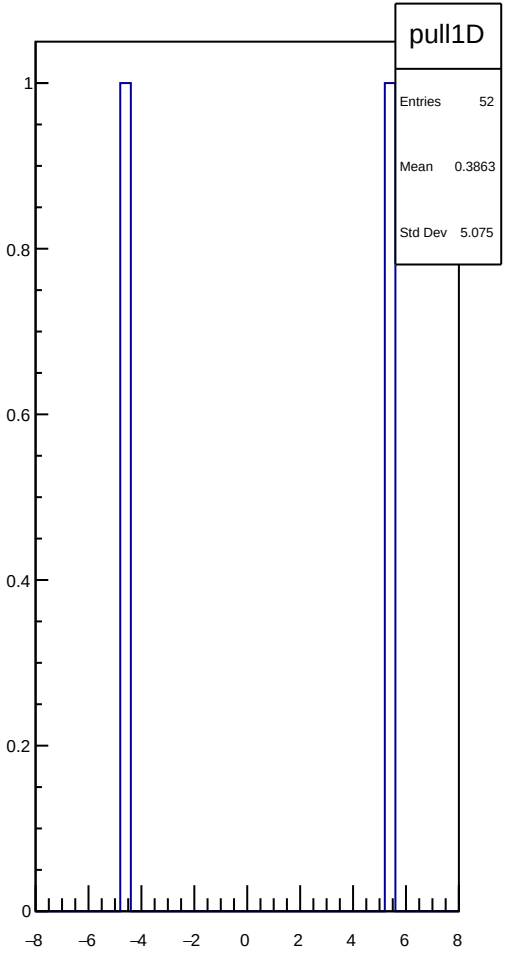

yield_bcm_an_diff_rms vs run
χ^2 / ndf 9.339e+04 / 51
p0 5832 ± 5.823
25000
20000
15000
10000
5000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

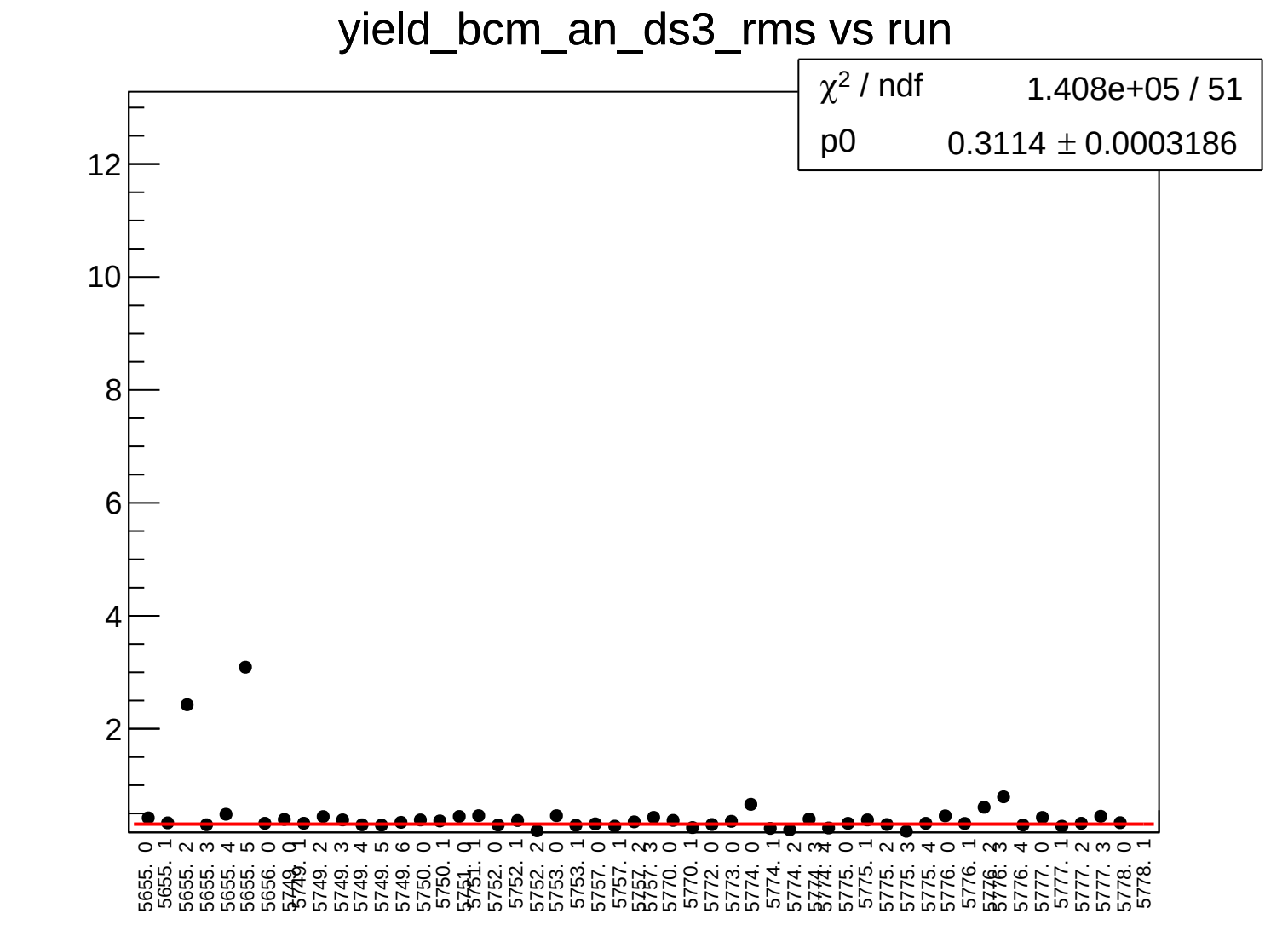

yield_bcm_an_ds_mean vs run
χ² / ndf 8.402e+06 / 51
p0 154.8 ± 0.0004453
156
154
152
150
148
146
144
pull
Entries 52
Mean −49.92
Std Dev 0
0
−500
−1000
−1500
−2000
−2500

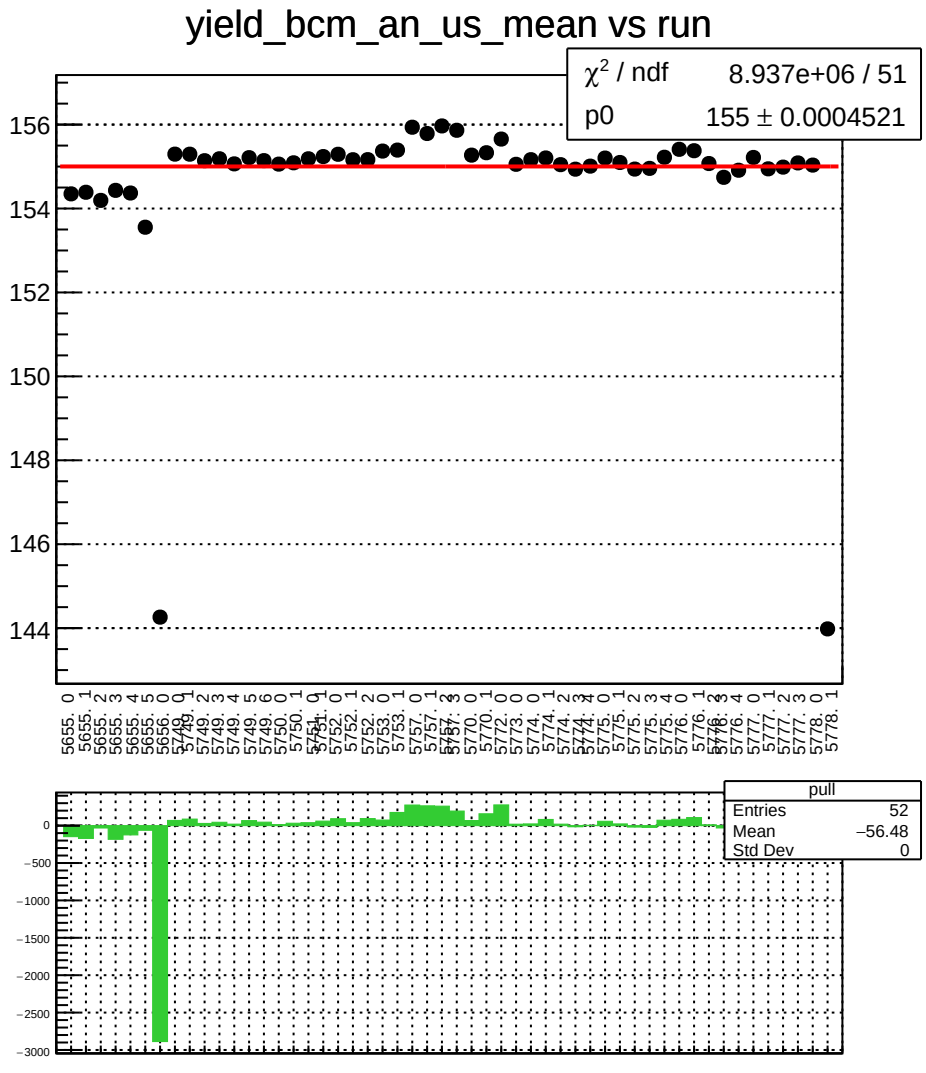

pull1D
Entries 52
Mean 0.9676
Std Dev 4.989
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

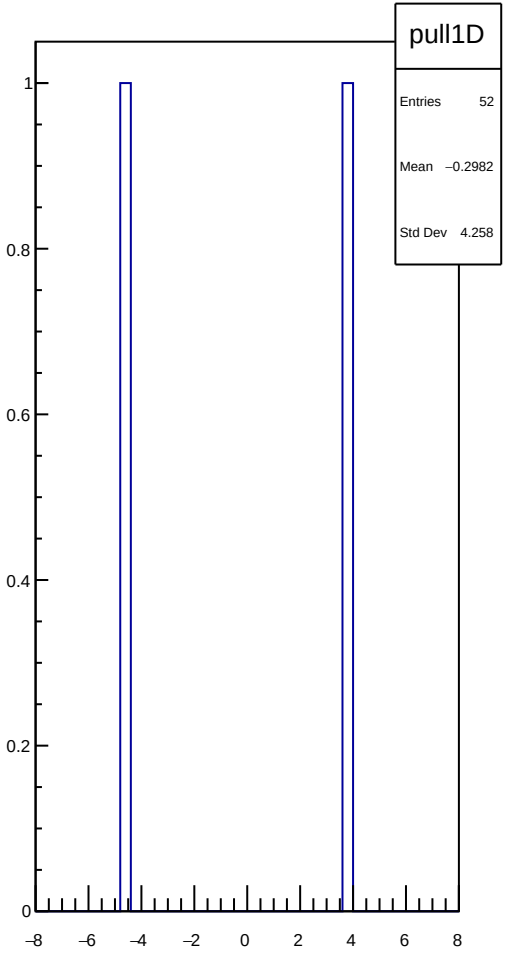

yield_bcm_an_ds_rms vs run
χ² / ndf 1.426e+05 / 51
p0 0.3075 ± 0.0003149
12
10
8
6
4
2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

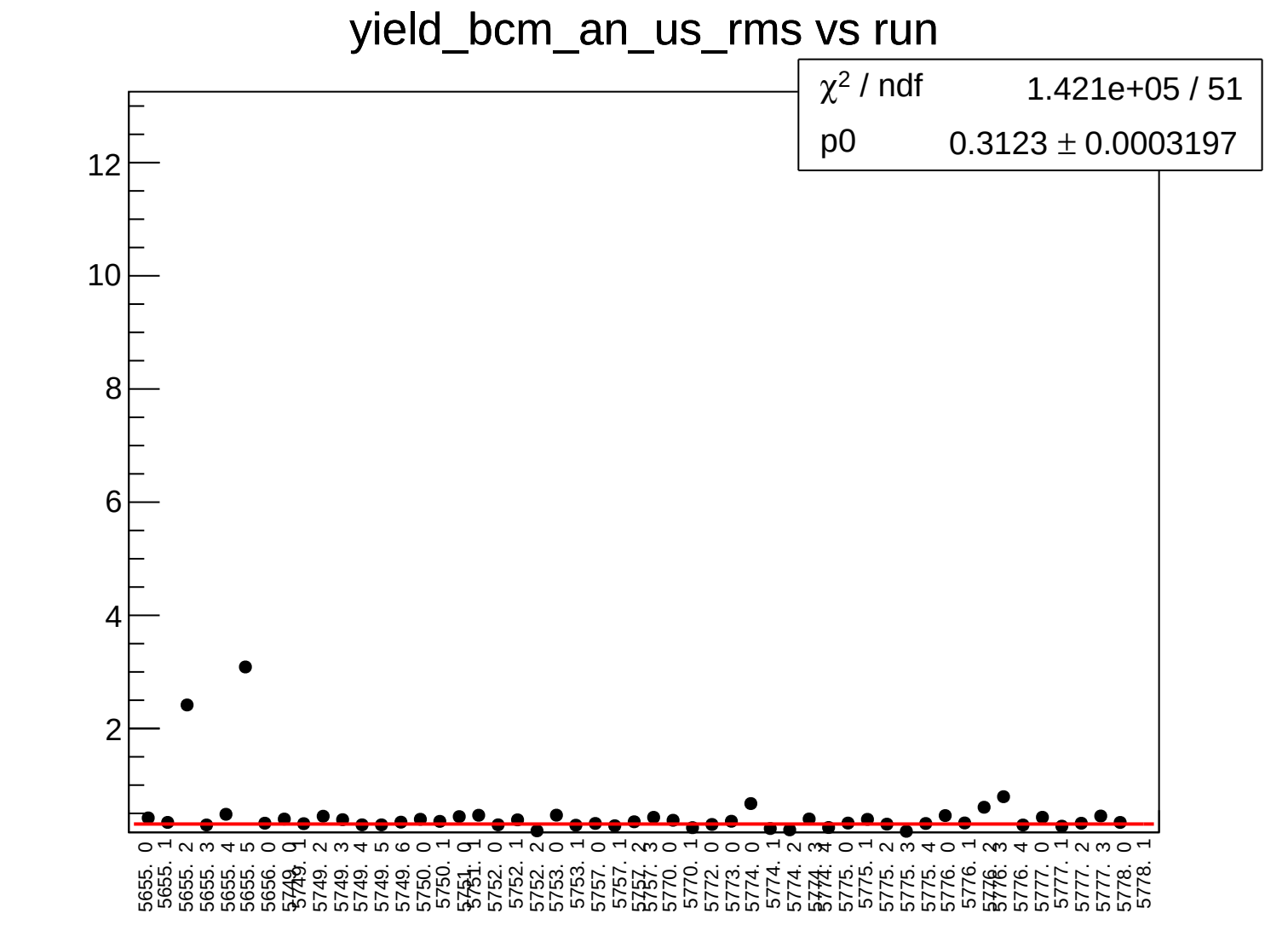

yield_bcm_an_ds3_mean vs run
χ² / ndf 8.483e+06 / 51
p0 155.1± 0.0004506
156
154
152
150
148
146
144
pull
Entries 52
Mean −59.72
Std Dev 0
0
−500
−1000
−1500
−2000
−2500

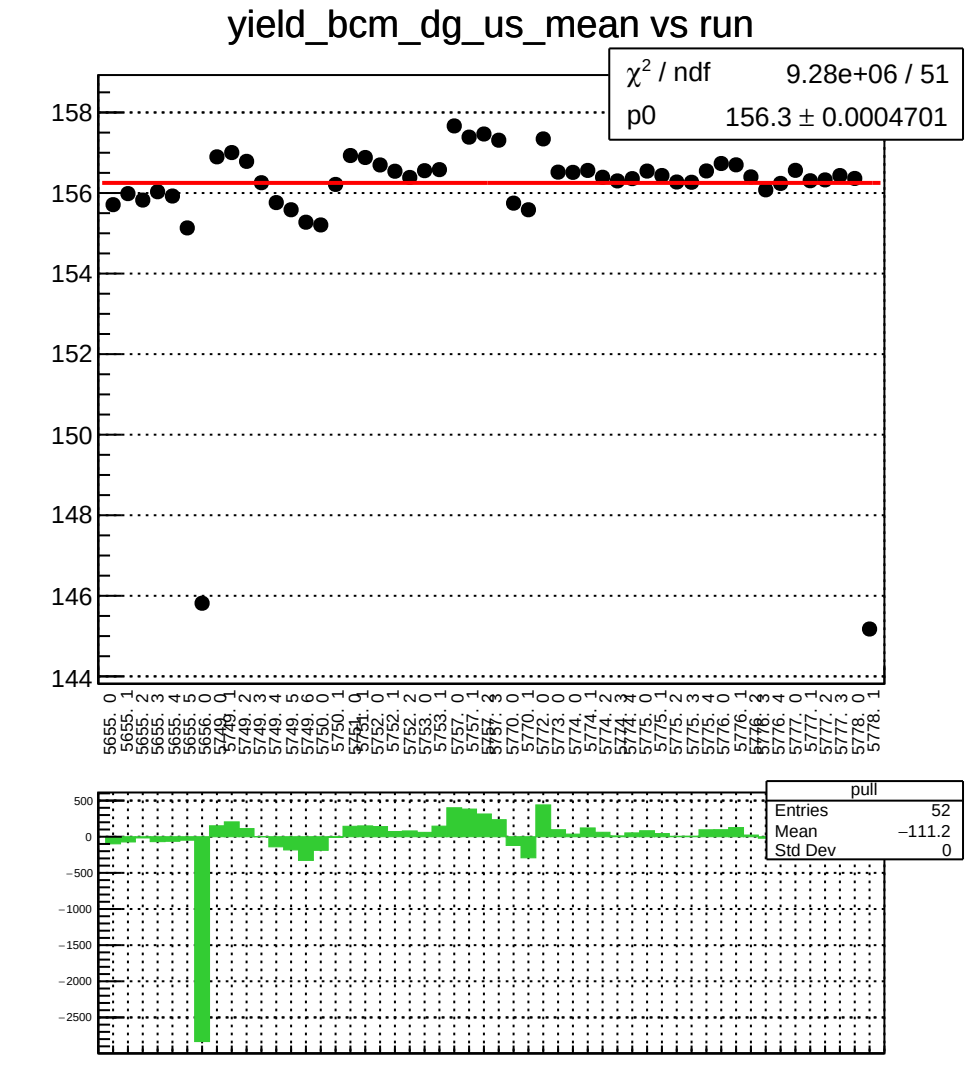

pull1D
Entries 52
Mean 0.3863
Std Dev 5.075
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

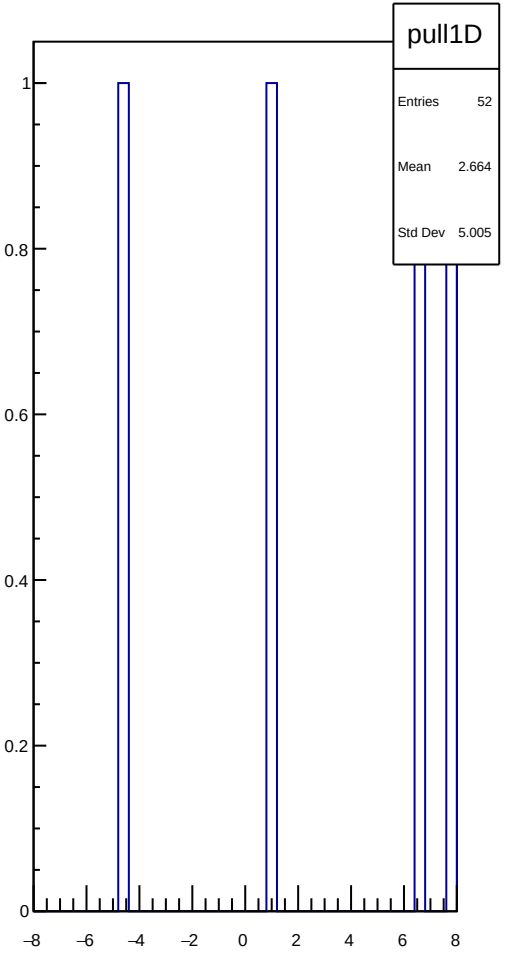

yield_bcm_an_ds3_rms vs run
χ² / ndf 1.408e+05 / 51
p0 0.3114 ± 0.0003186
12
10
8
6
4
2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

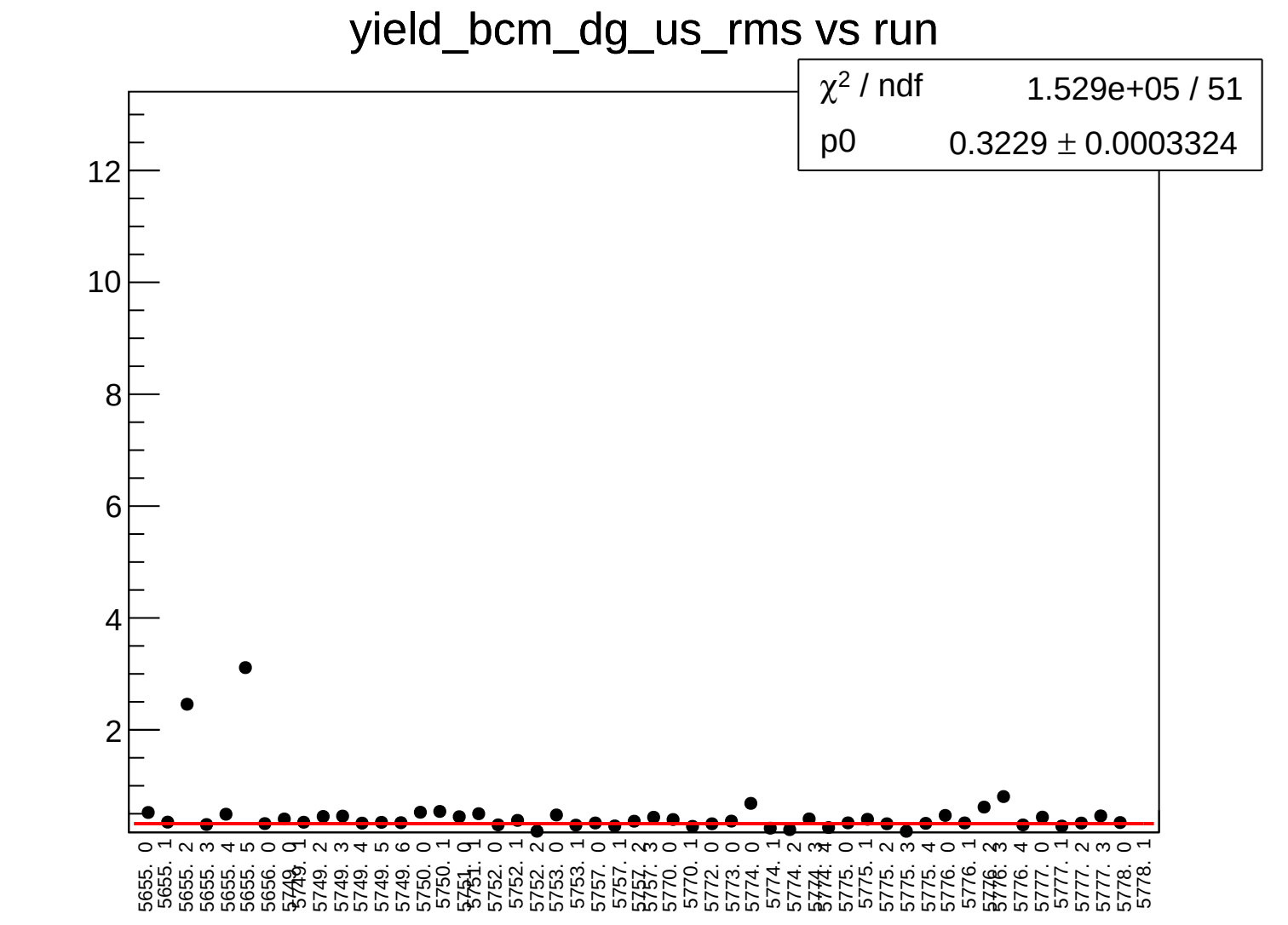

yield_bcm_an_us_mean vs run
χ² / ndf 8.937e+06 / 51
p0 155 ± 0.0004521
pull
Entries 52
Mean −56.48
Std Dev 0

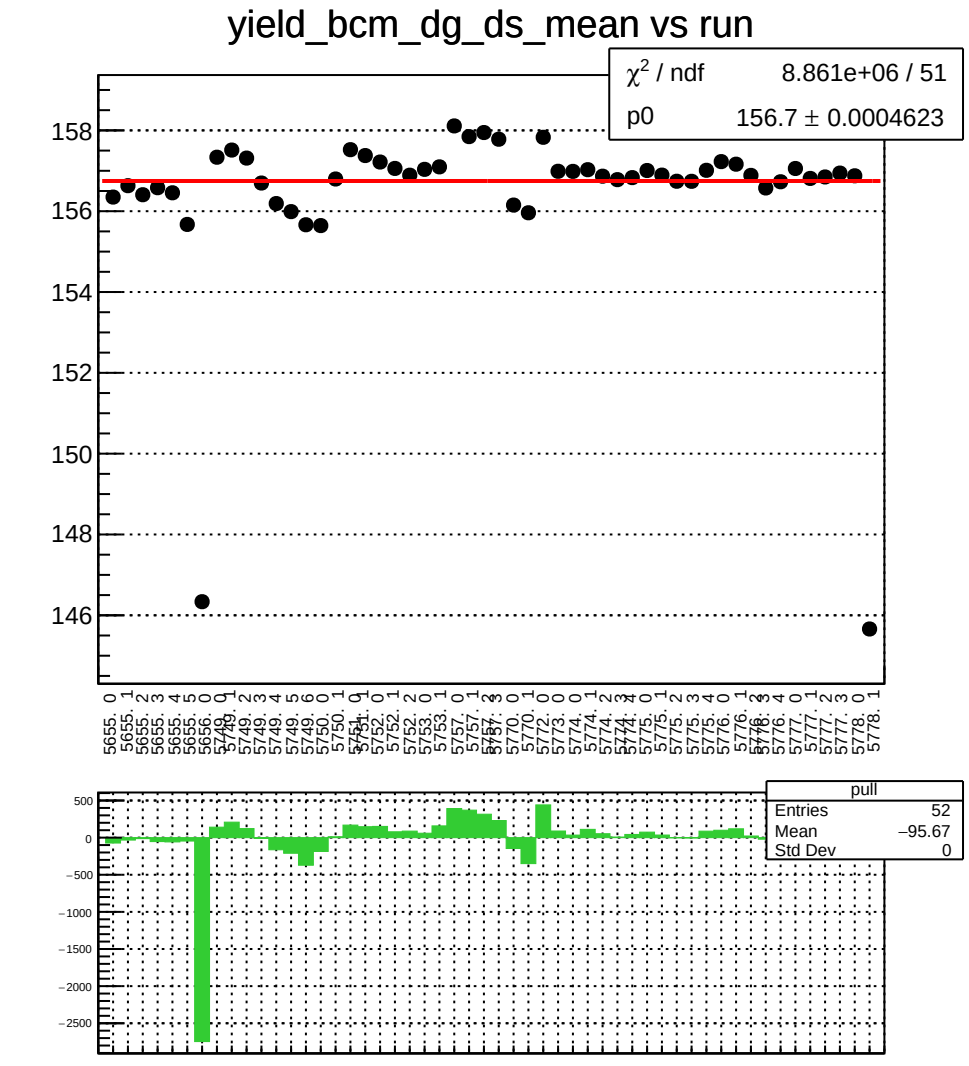

pull1D
Entries 52
Mean −0.2982
Std Dev 4.258

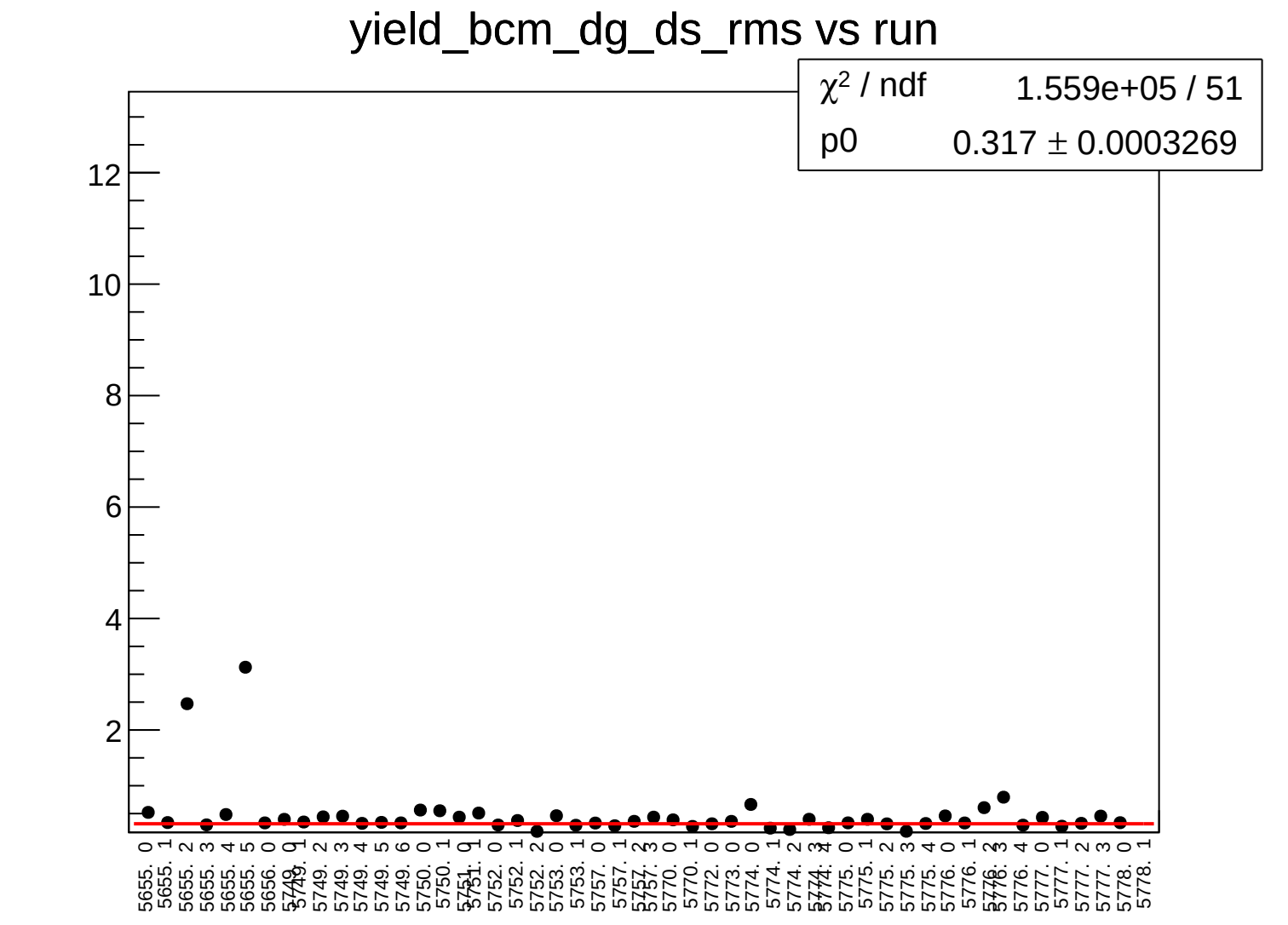

yield_bcm_an_us_rms vs run
χ² / ndf 1.421e+05 / 51
p0 0.3123 ± 0.0003197
12
10
8
6
4
2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

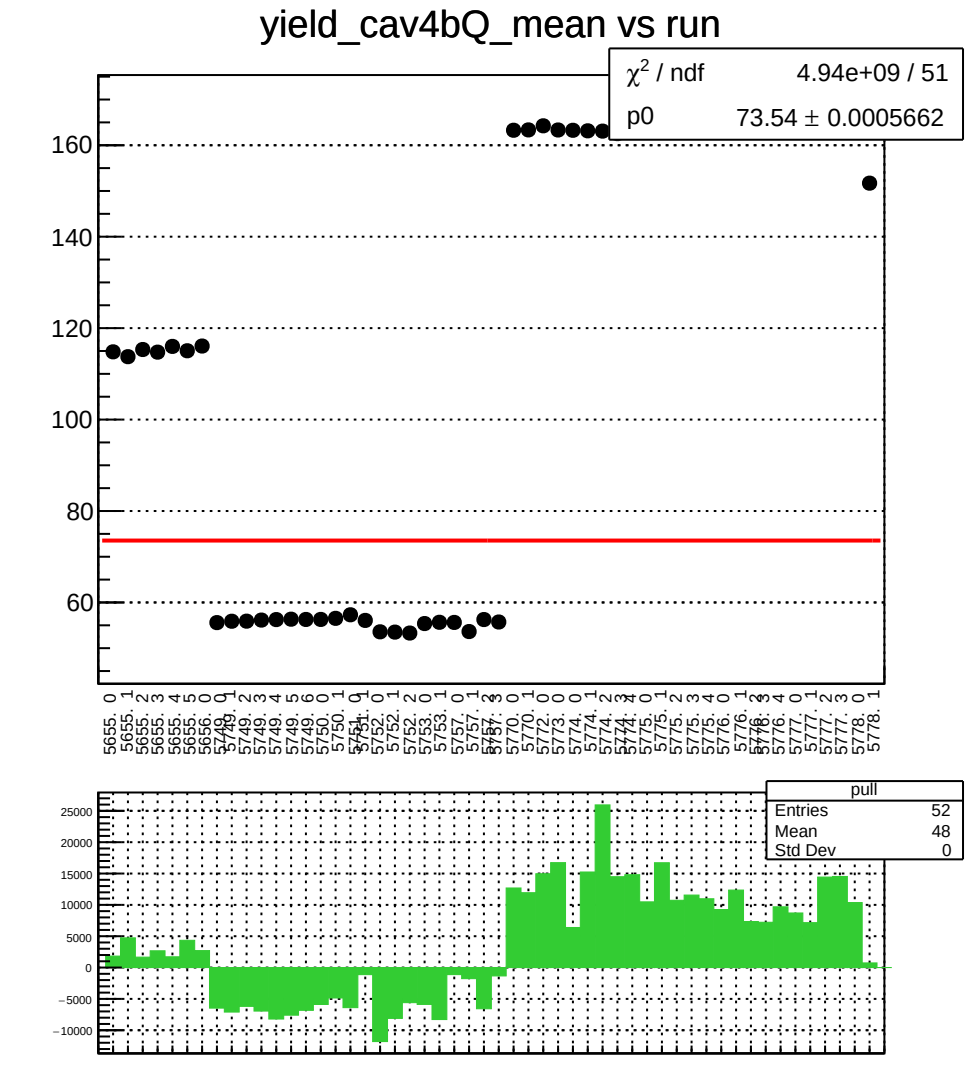

yield_bcm_dg_us_mean vs run
χ² / ndf 9.28e+06 / 51
p0 156.3 ± 0.0004701
158
156
154
152
150
148
146
144
pull
Entries 52
Mean −111.2
Std Dev 0
500
0
−500
−1000
−1500
−2000
−2500

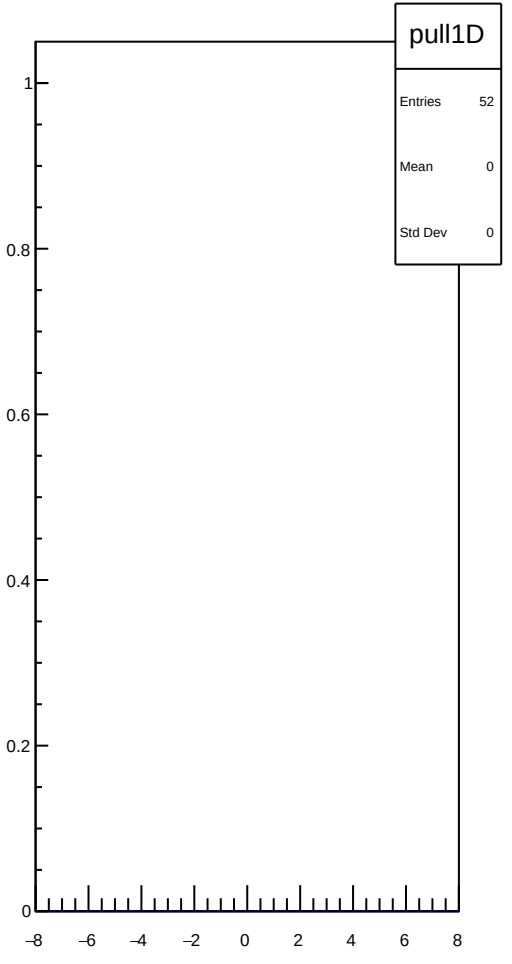

pull1D
Entries 52
Mean 2.664
Std Dev 5.005
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

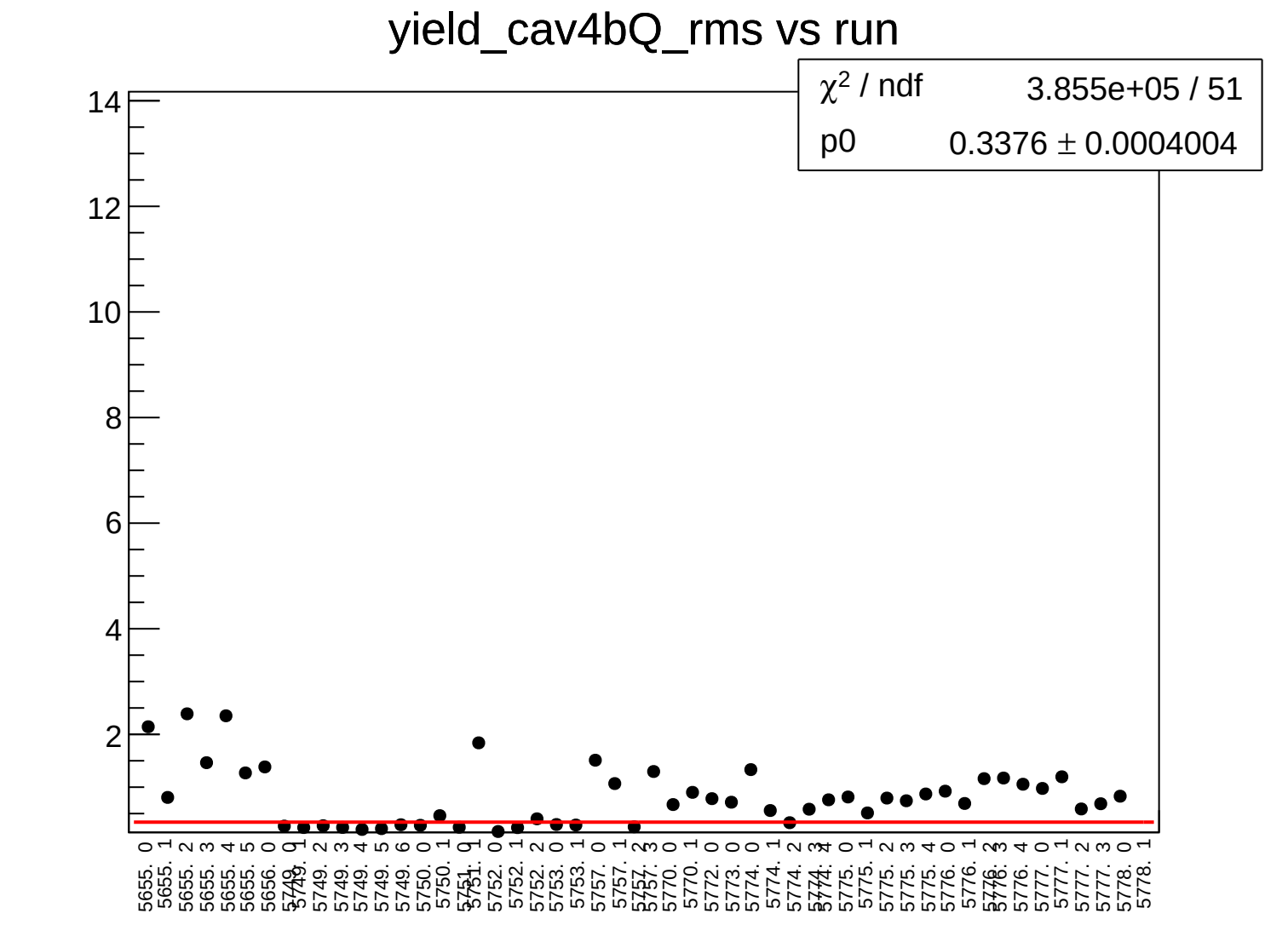

yield_bcm_dg_us_rms vs run
χ² / ndf 1.529e+05 / 51
p0 0.3229 ± 0.0003324
12
10
8
6
4
2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

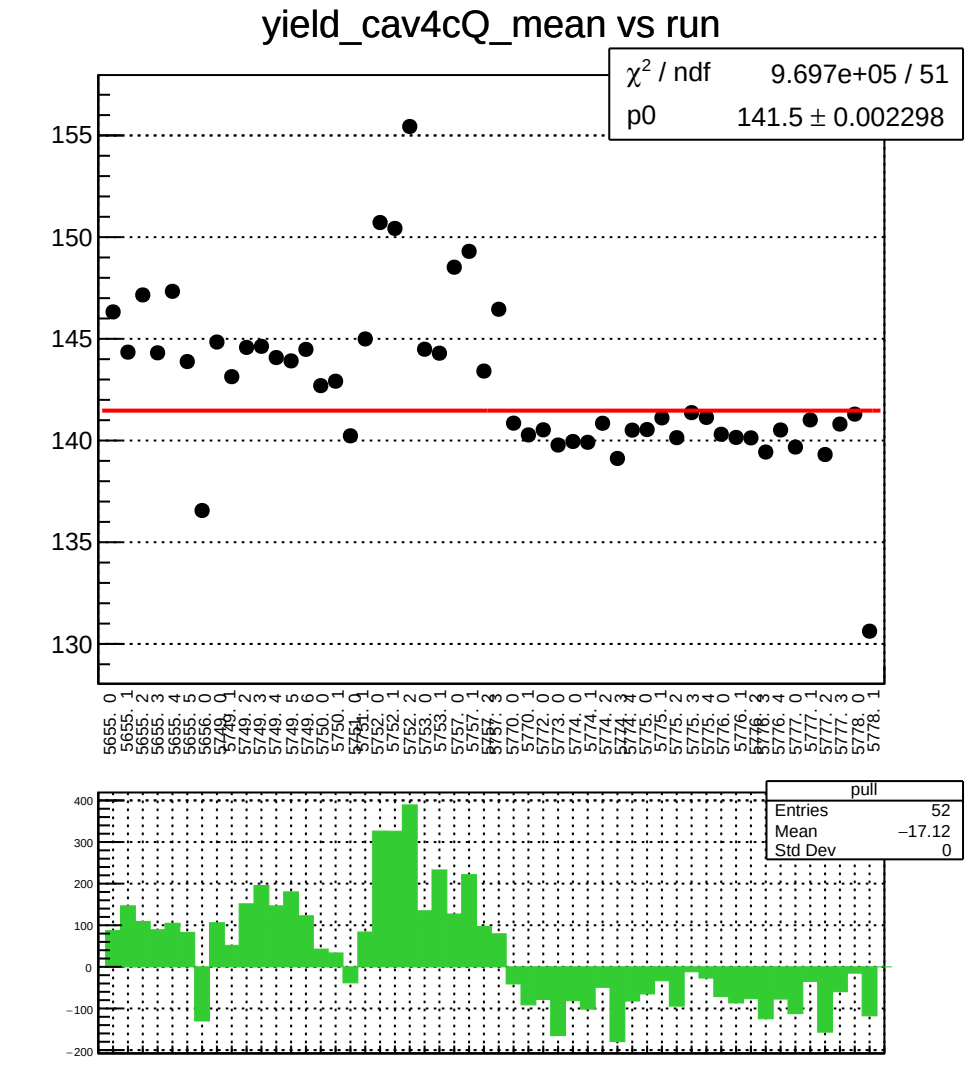

yield_bcm_dg_ds_mean vs run
χ² / ndf 8.861e+06 / 51
p0 156.7 ± 0.0004623
158
156
154
152
150
148
146
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
pull
Entries 52
Mean −95.67
Std Dev 0
500
0
−500
−1000
−1500
−2000
−2500
pull1D
Entries 52
Mean −1.37
Std Dev 5.742
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

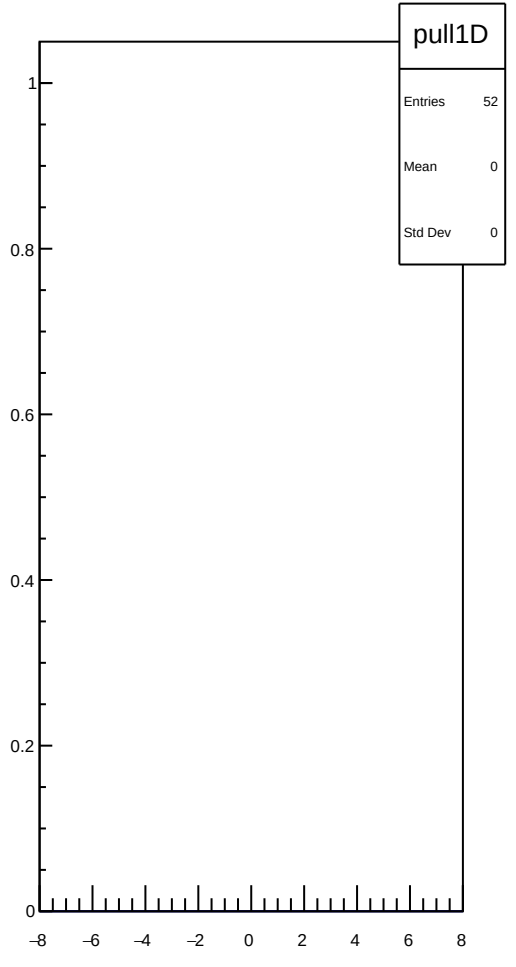

yield_bcm_dg_ds_rms vs run
χ² / ndf 1.559e+05 / 51
p0 0.317 ± 0.0003269
12
10
8
6
4
2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

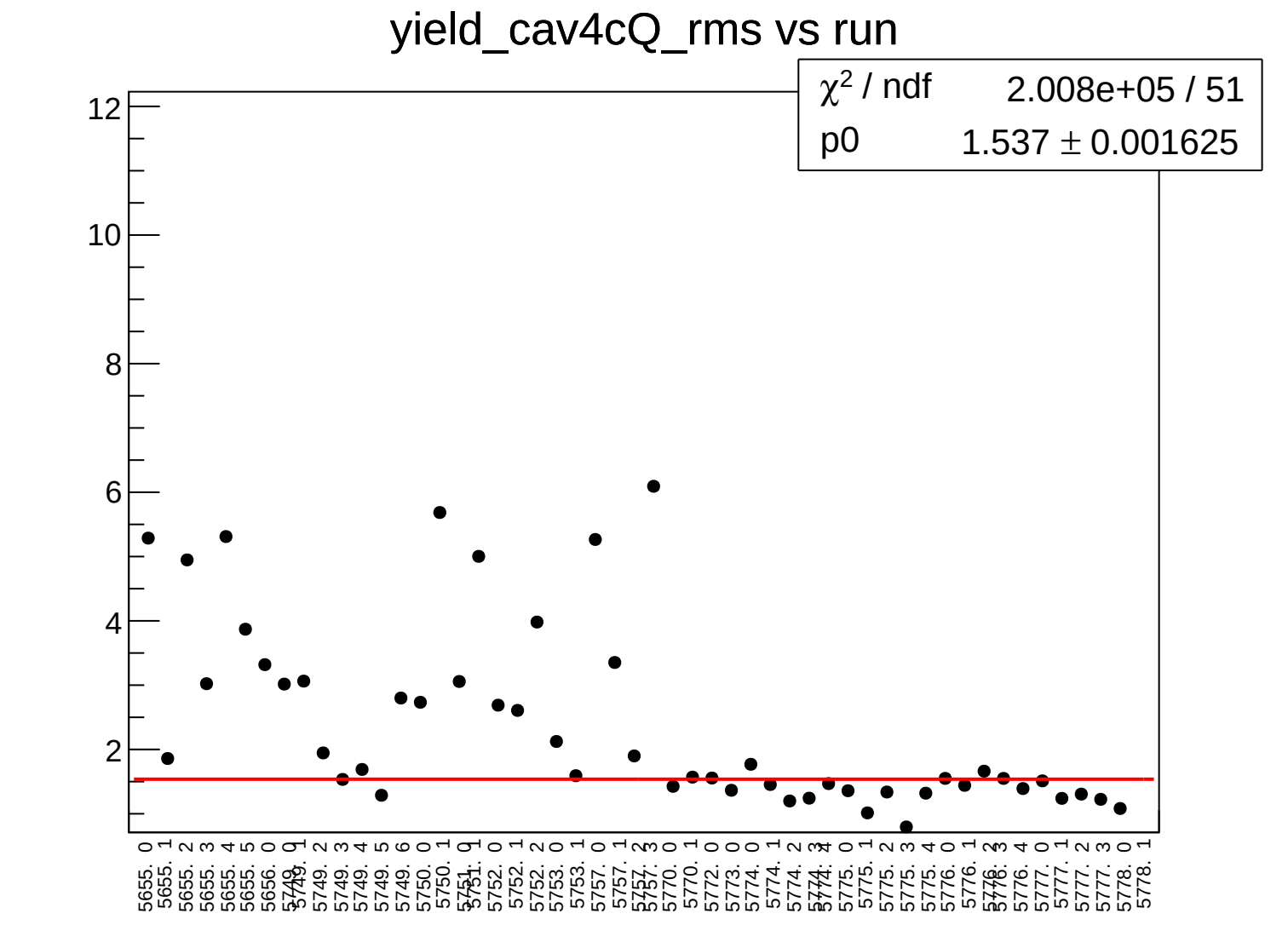

yield_cav4bQ_mean vs run
χ² / ndf 4.94e+09 / 51
p0 73.54 ± 0.0005662
160
140
120
100
80
60
pull
Entries 52
Mean 48
Std Dev 0
25000
20000
15000
10000
5000
0
−5000
−10000

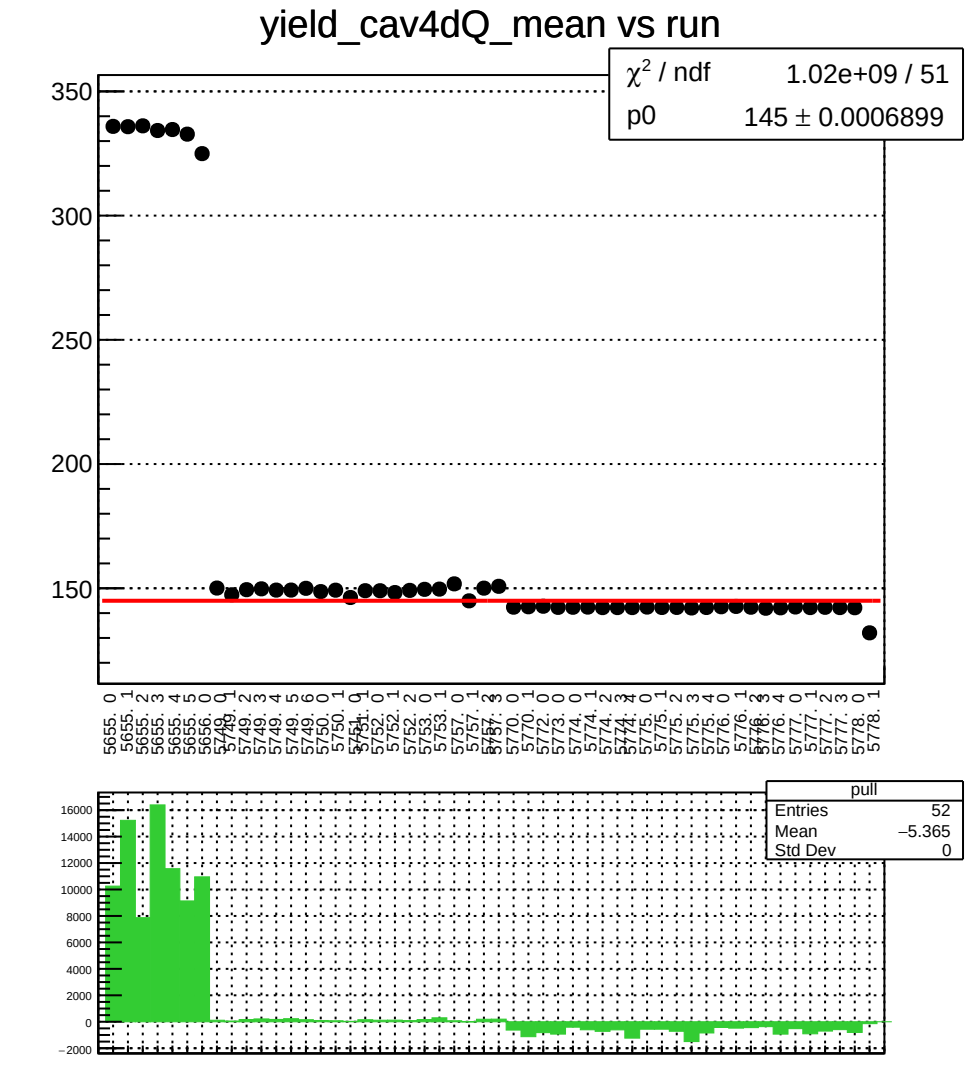

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

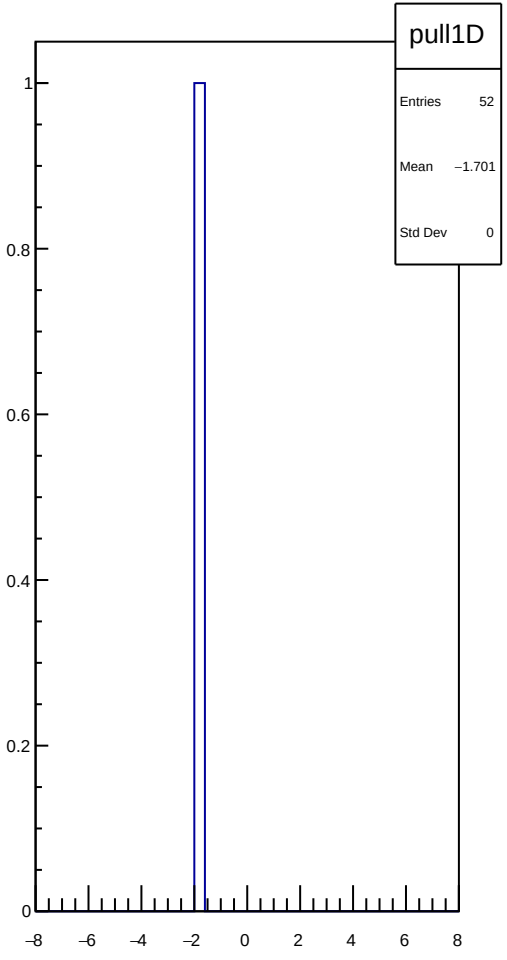

yield_cav4bQ_rms vs run
χ2 / ndf 3.855e+05 / 51
p0 0.3376 ± 0.0004004
14
12
10
8
6
4
2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

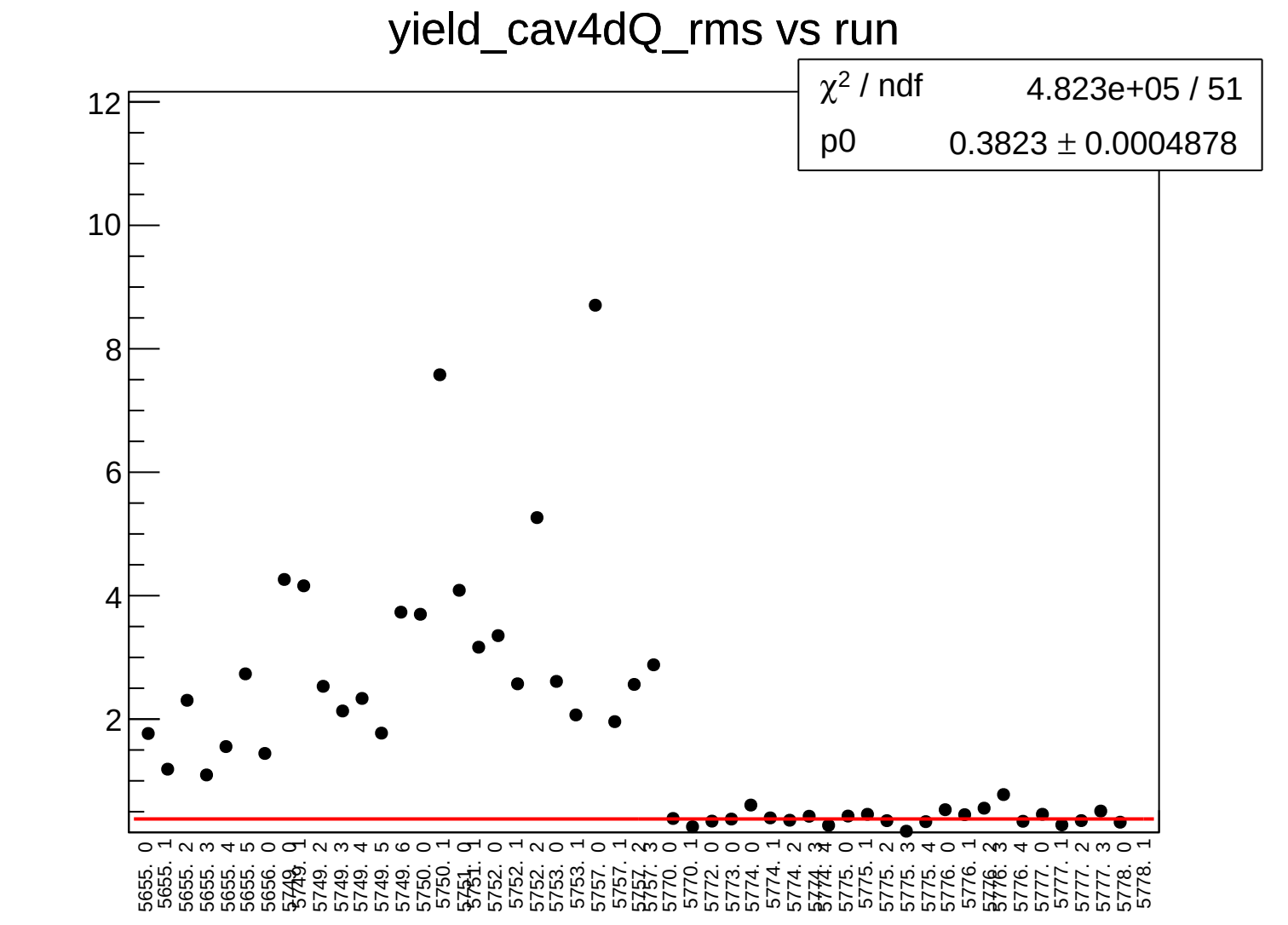

yield_cav4cQ_mean vs run
χ² / ndf 9.697e+05 / 51
p0 141.5 ± 0.002298
155
150
145
140
135
130
pull
Entries 52
Mean −17.12
Std Dev 0
400
300
200
100
0
−100
−200

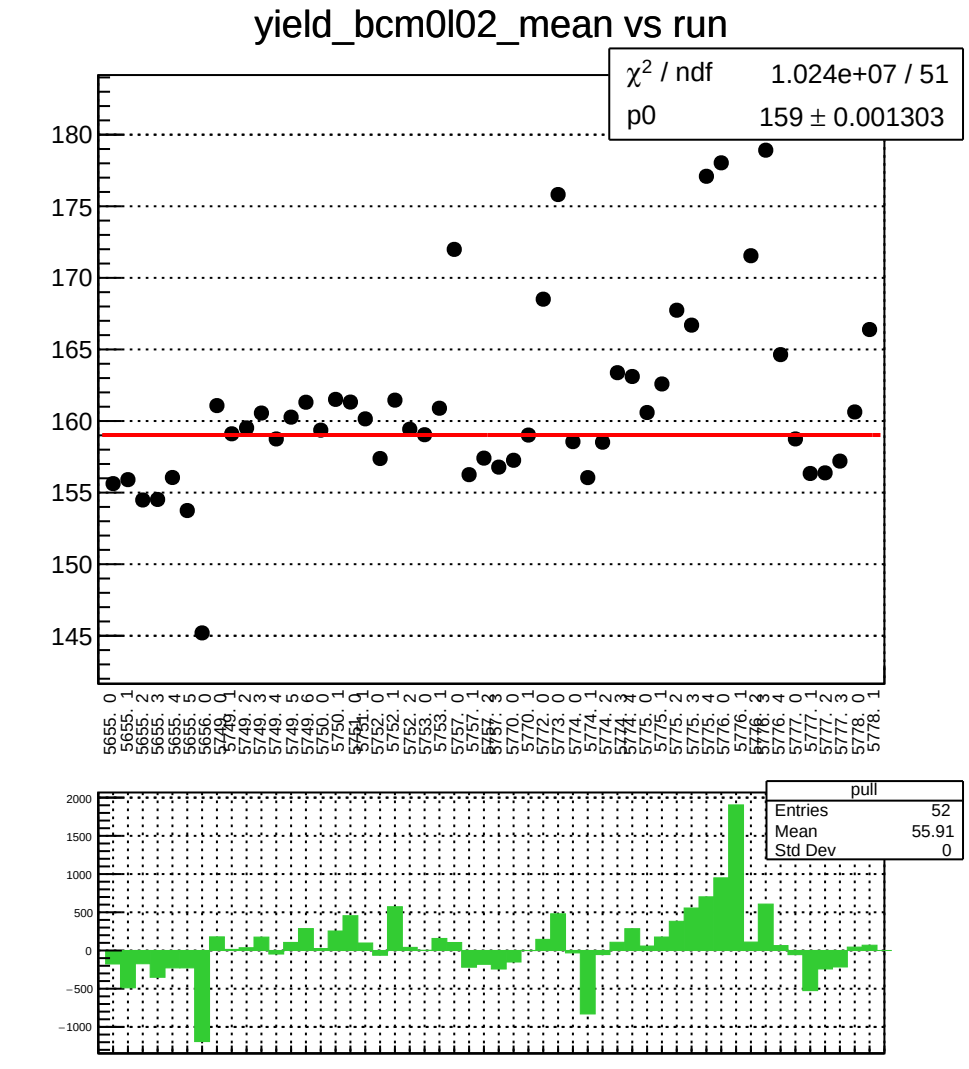

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

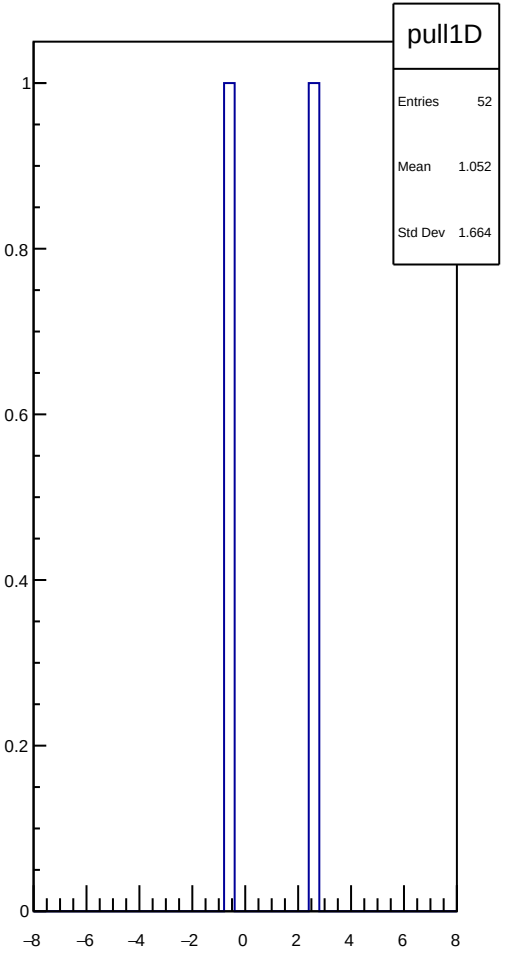

yield_cav4cQ_rms vs run
χ^2 / ndf 2.008e+05 / 51
p0 1.537 ± 0.001625
12
10
8
6
4
2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

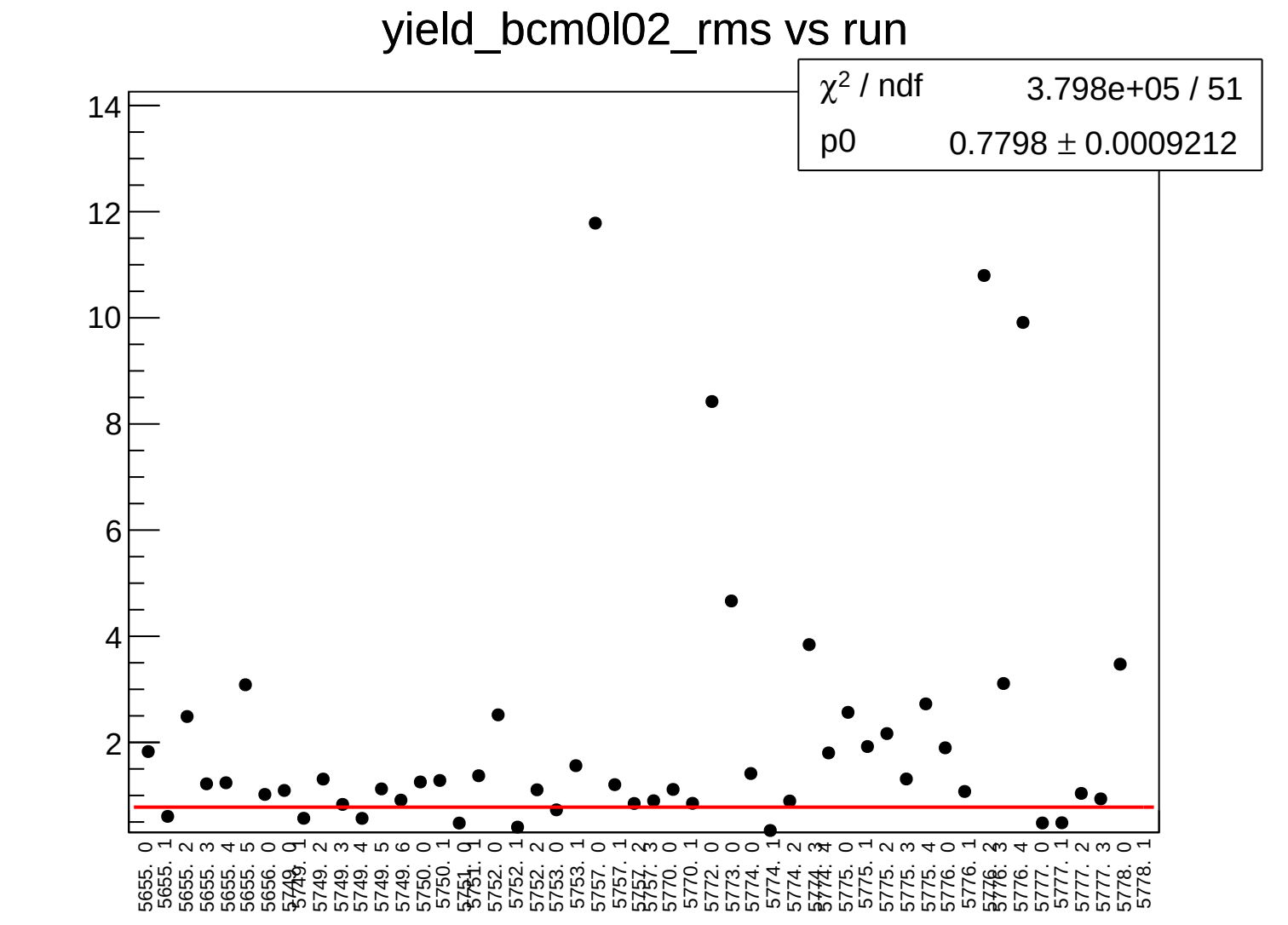

yield_cav4dQ_mean vs run
χ² / ndf 1.02e+09 / 51
p0 145 ± 0.0006899
pull
Entries 52
Mean −5.365
Std Dev 0

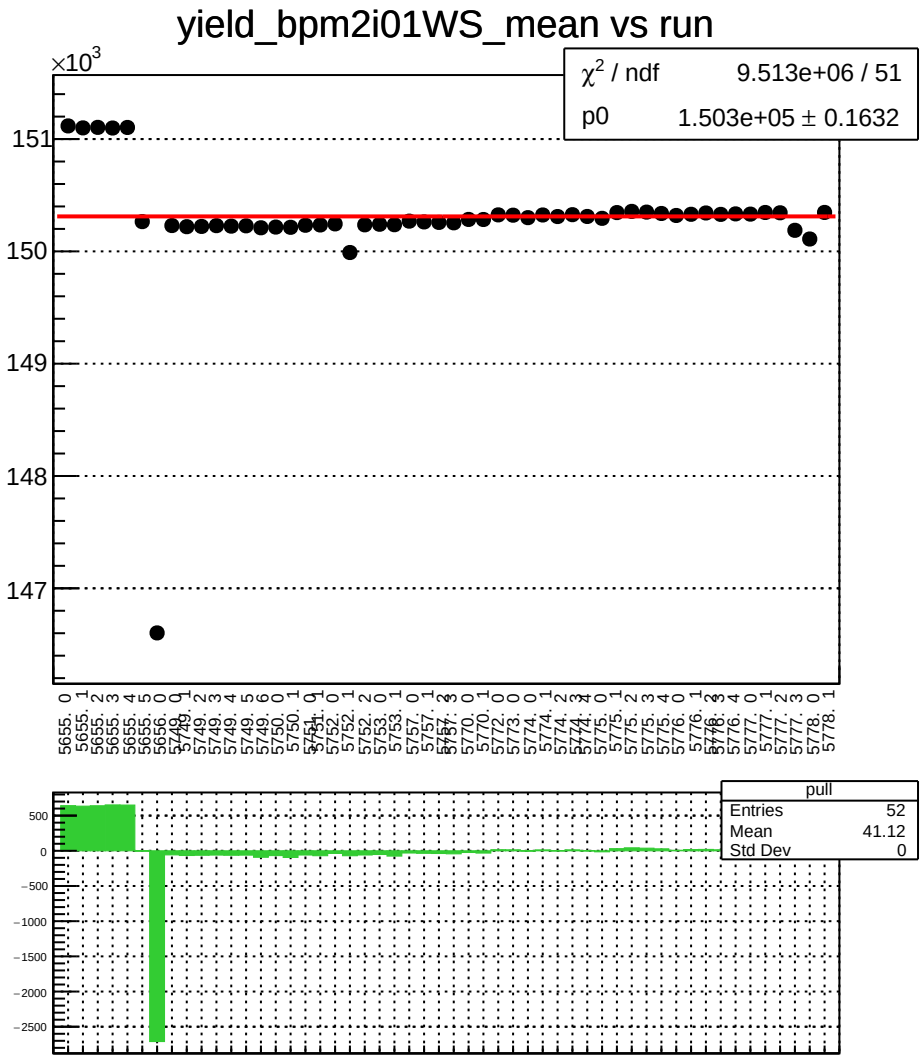

pull1D
Entries 52
Mean −1.701
Std Dev 0

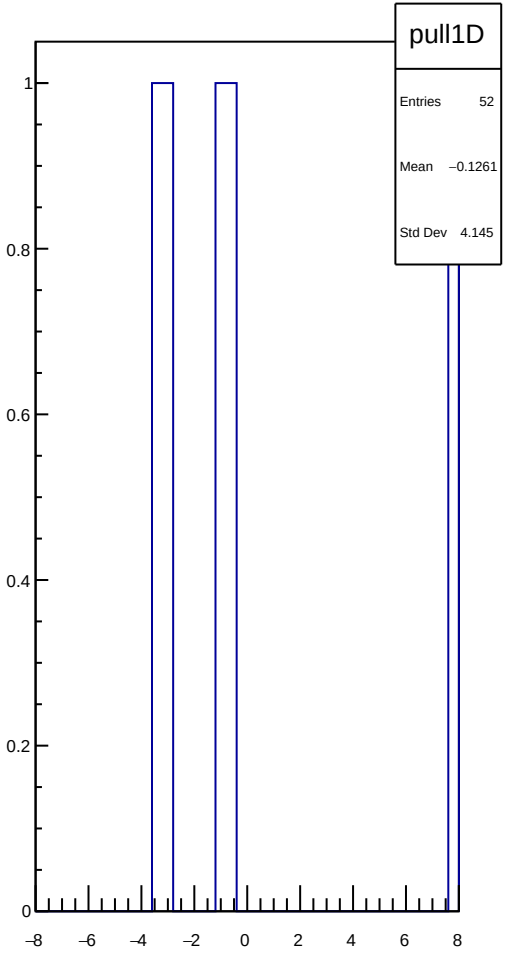

yield_cav4dQ_rms vs run
χ² / ndf 4.823e+05 / 51
p0 0.3823 ± 0.0004878
12
10
8
6
4
2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

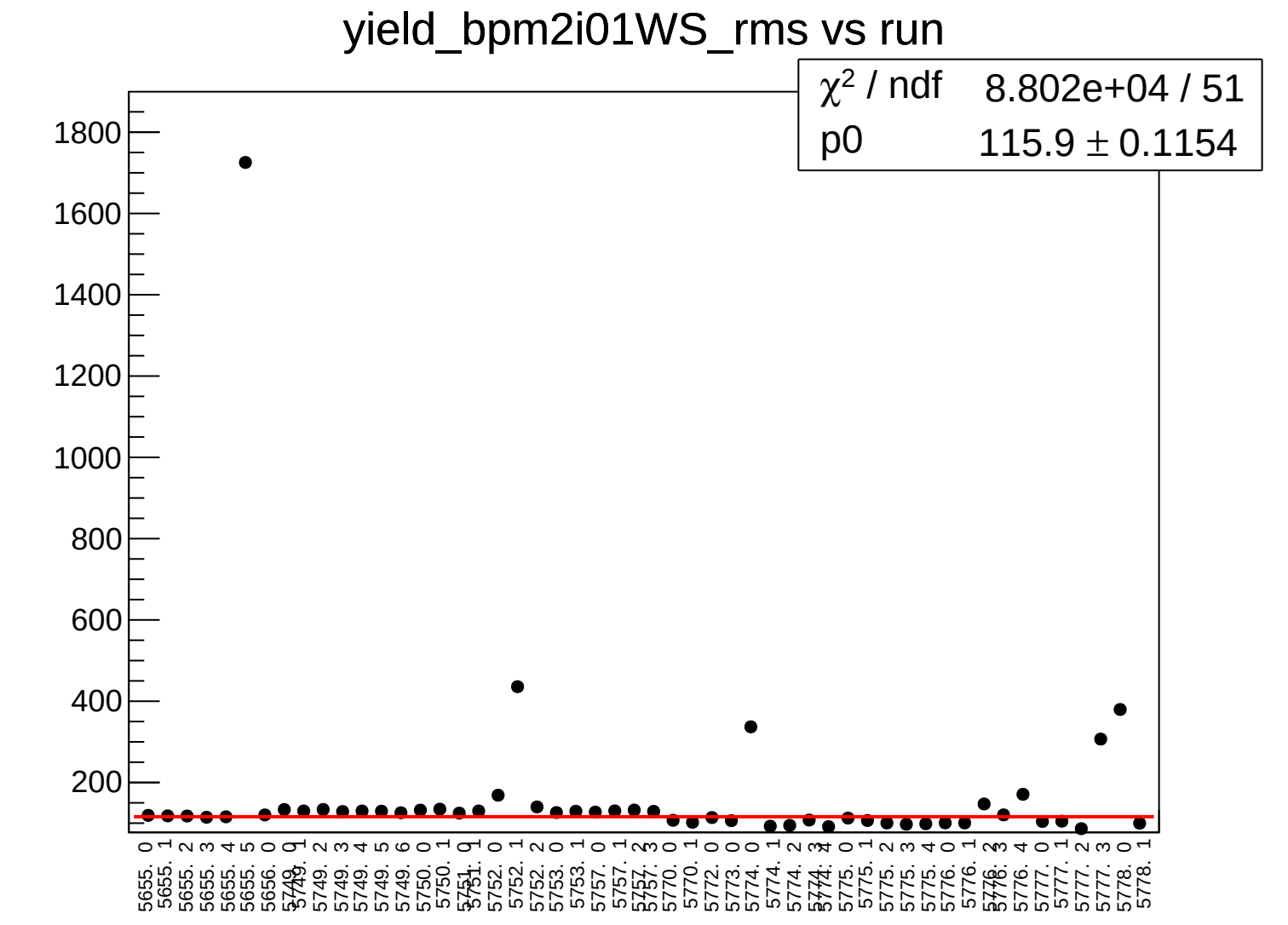

yield_bcm0l02_mean vs run
χ² / ndf 1.024e+07 / 51
p0 159 ± 0.001303
pull
Entries 52
Mean 55.91
Std Dev 0

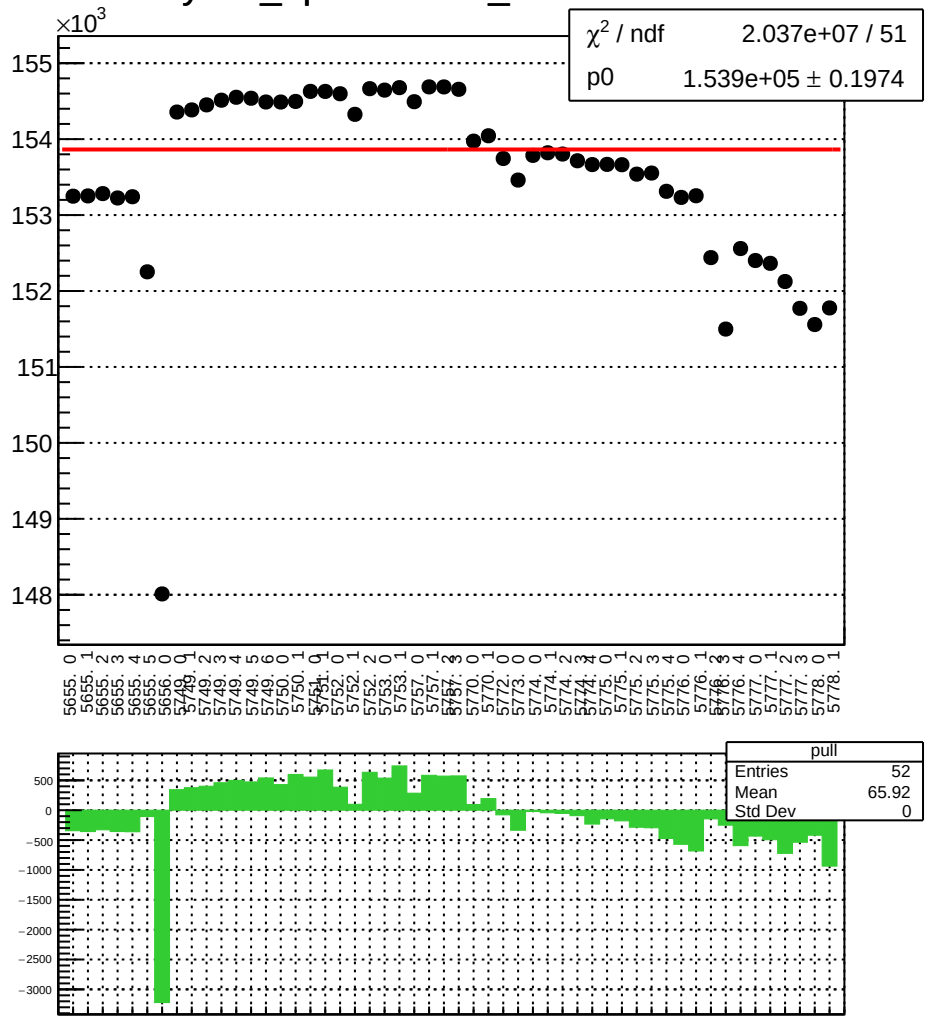

pull1D
Entries 52
Mean 1.052
Std Dev 1.664

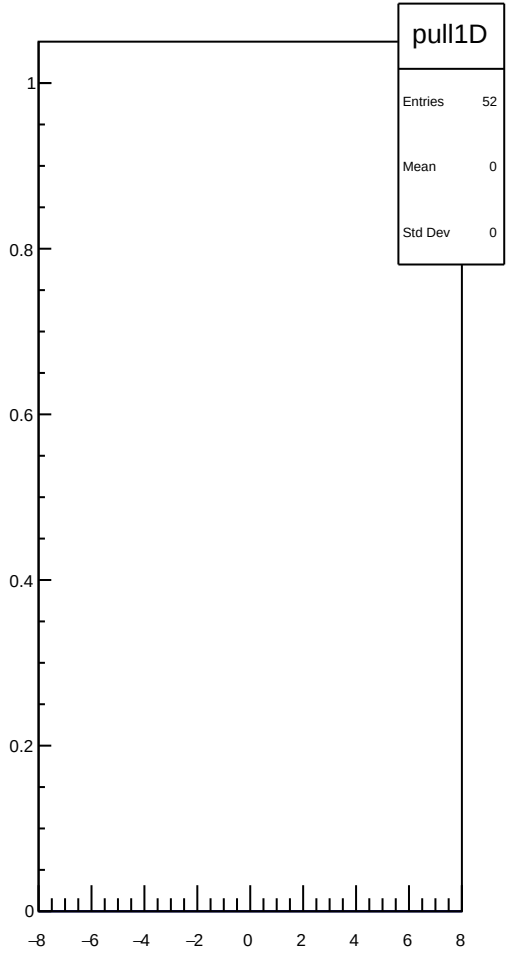

yield_bcm0l02_rms vs run
χ^2 / ndf 3.798e+05 / 51
p0 0.7798 ± 0.0009212
14
12
10
8
6
4
2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

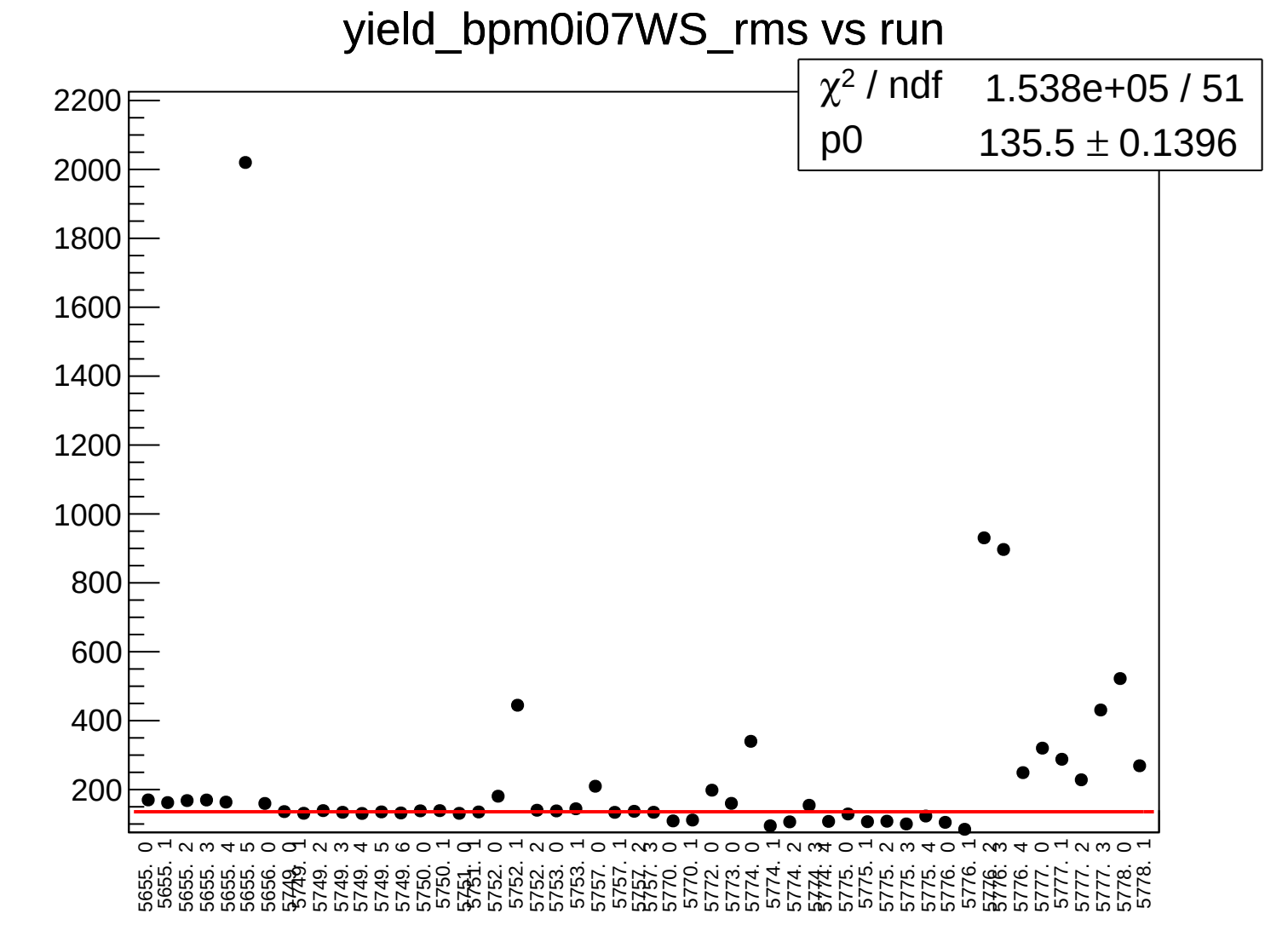

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 9.513e+06 / 51
p0 1.503e+05 ± 0.1632
151
150
149
148
147
pull
Entries 52
Mean 41.12
Std Dev 0
500
0
−500
−1000
−1500
−2000
−2500

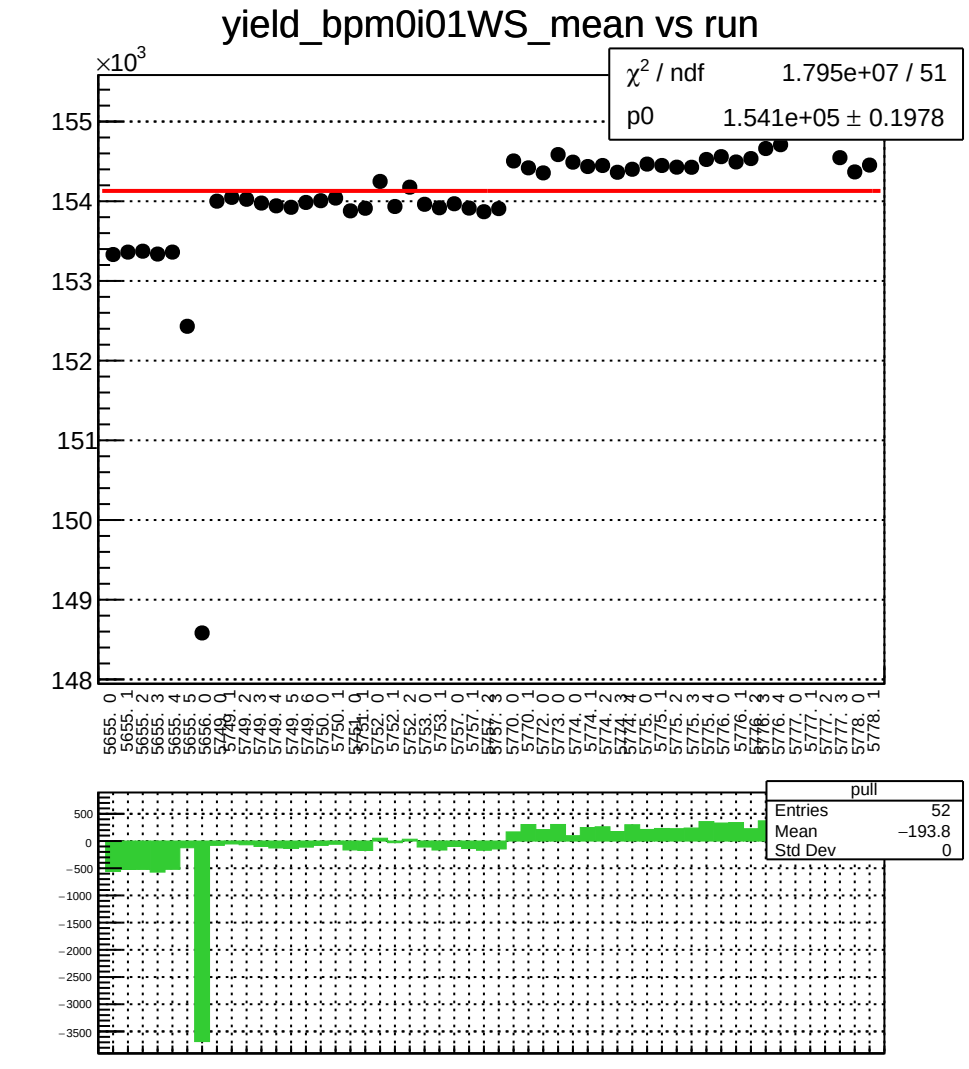

pull1D
Entries 52
Mean −0.1261
Std Dev 4.145
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

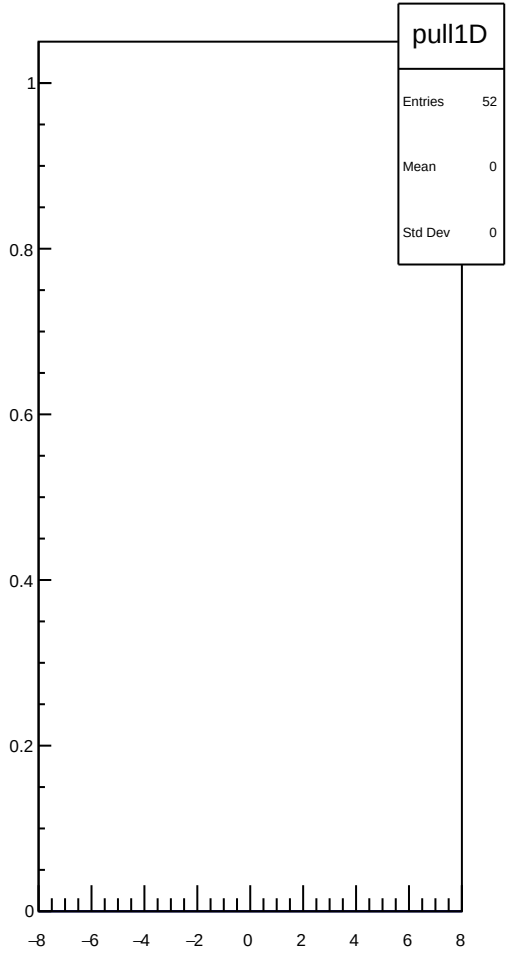

yield_bpm2i01WS_rms vs run
χ² / ndf 8.802e+04 / 51
p0 115.9 ± 0.1154
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

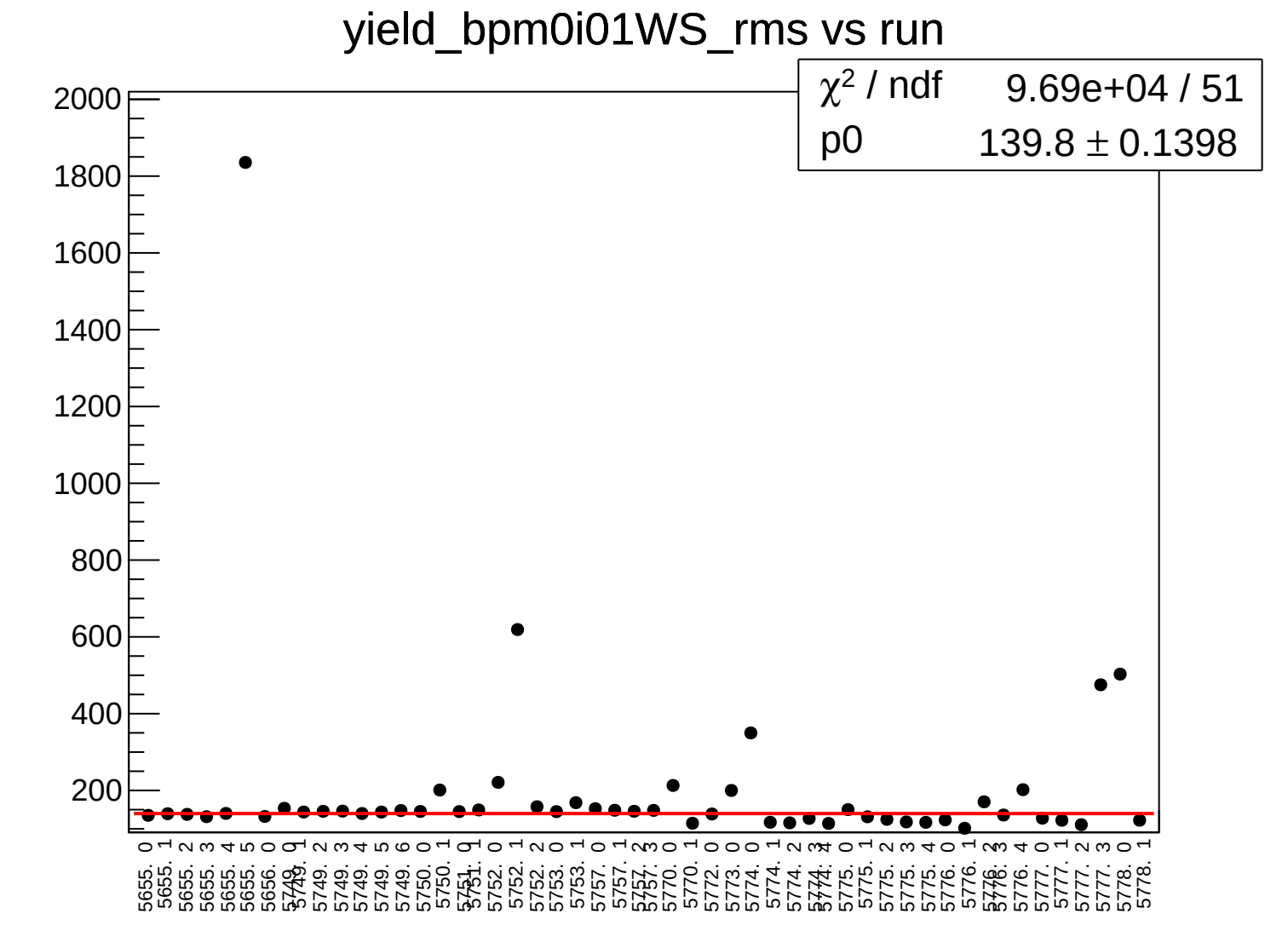

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 2.037e+07 / 51
p0 1.539e+05 ± 0.1974
155
154
153
152
151
150
149
148
pull
Entries 52
Mean 65.92
Std Dev 0
500
0
−500
−1000
−1500
−2000
−2500
−3000

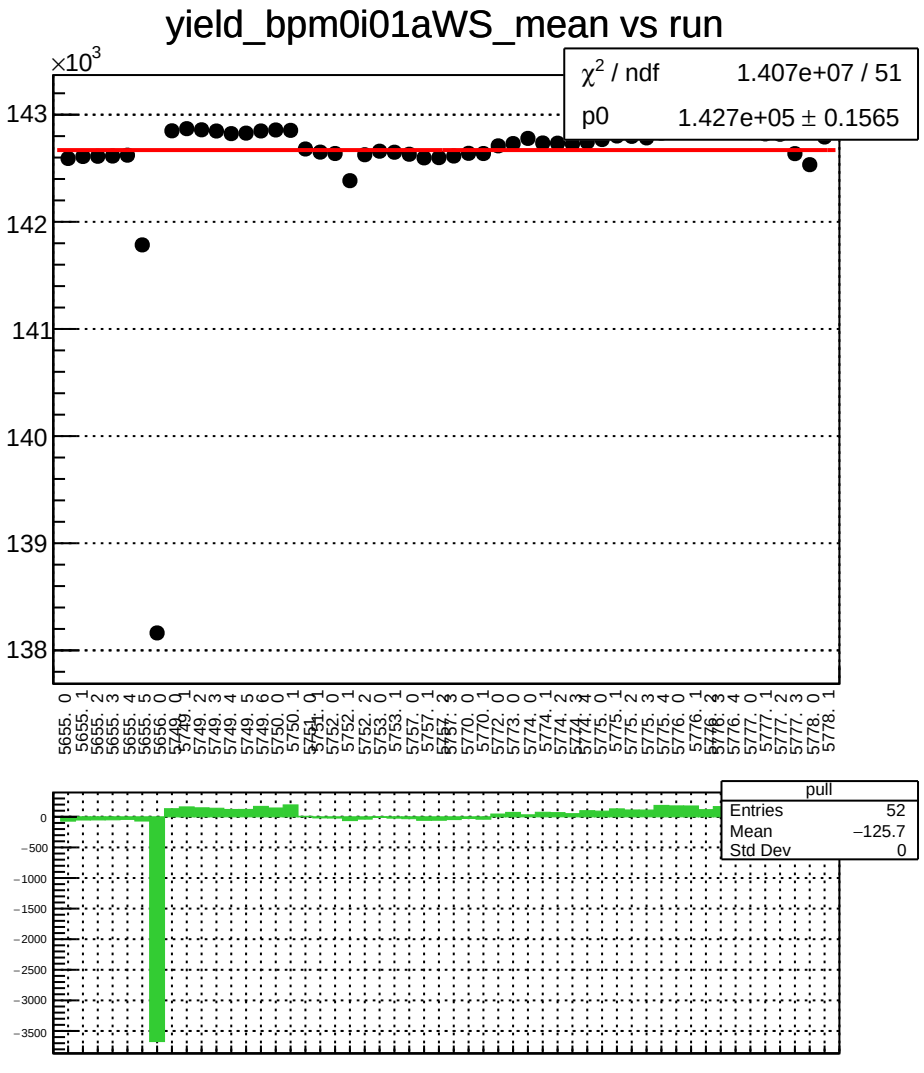

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

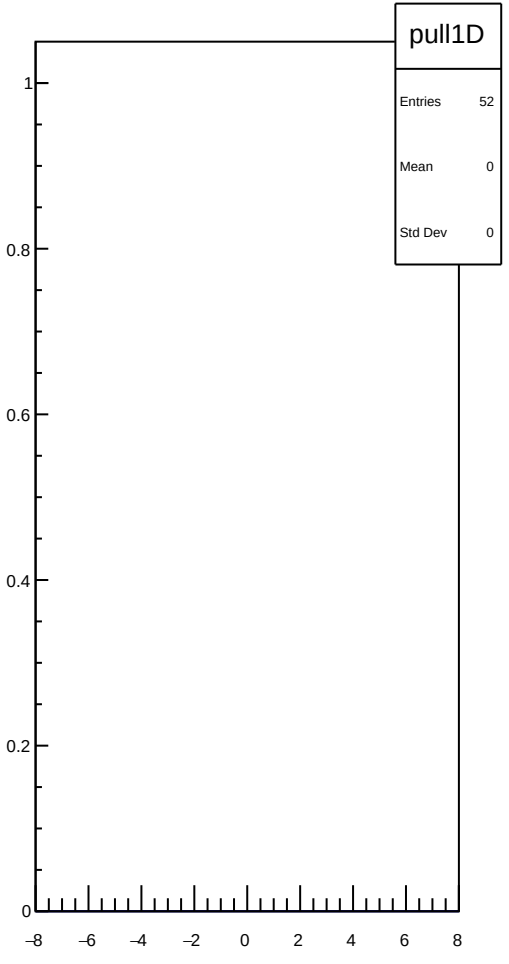

yield_bpm0i07WS_rms vs run
χ^2 / ndf 1.538e+05 / 51
p0 135.5 ± 0.1396
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

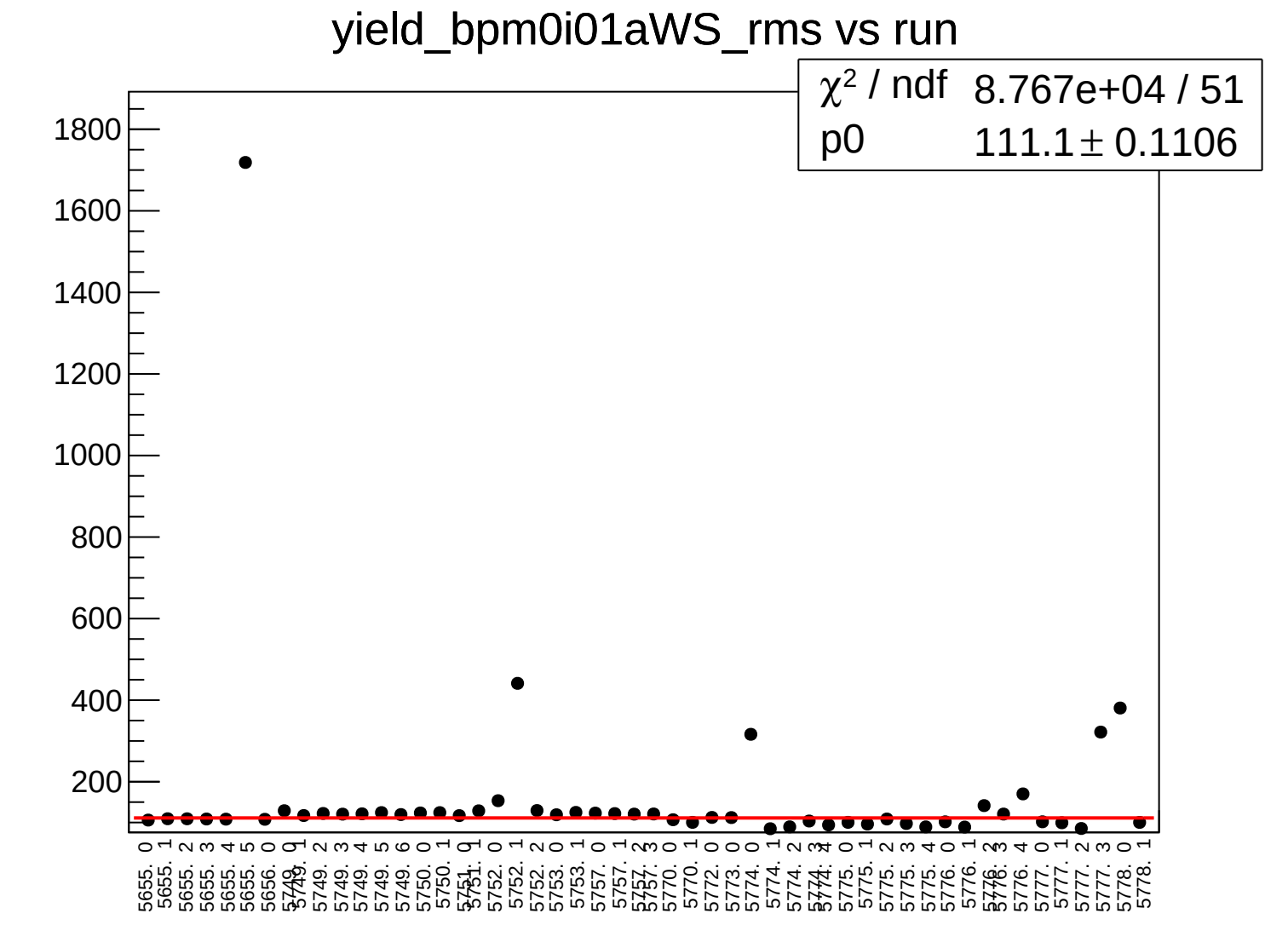

yield_bpm0i01WS_mean vs run
×10^3
χ² / ndf 1.795e+07 / 51
p0 1.541e+05 ± 0.1978
155
154
153
152
151
150
149
148
pull
Entries 52
Mean −193.8
Std Dev 0
500
0
−500
−1000
−1500
−2000
−2500
−3000
−3500

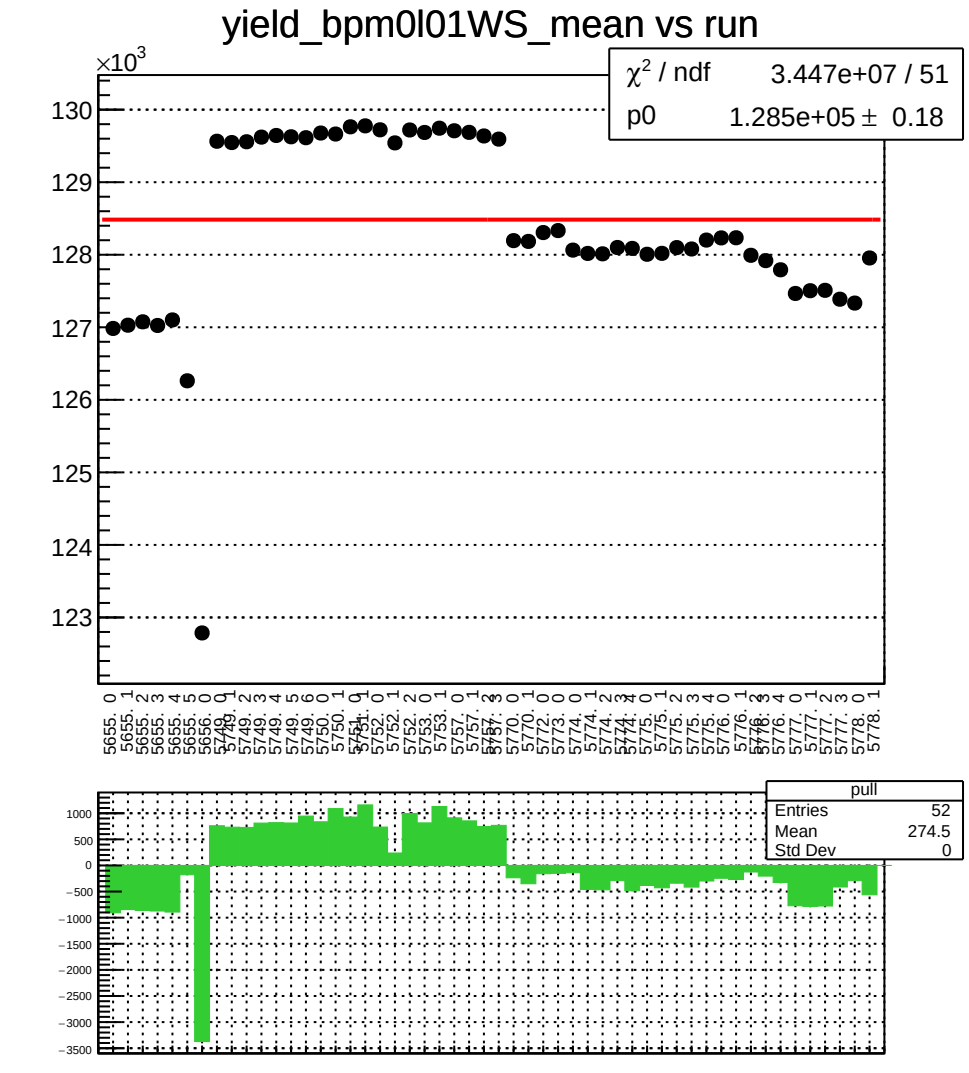

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

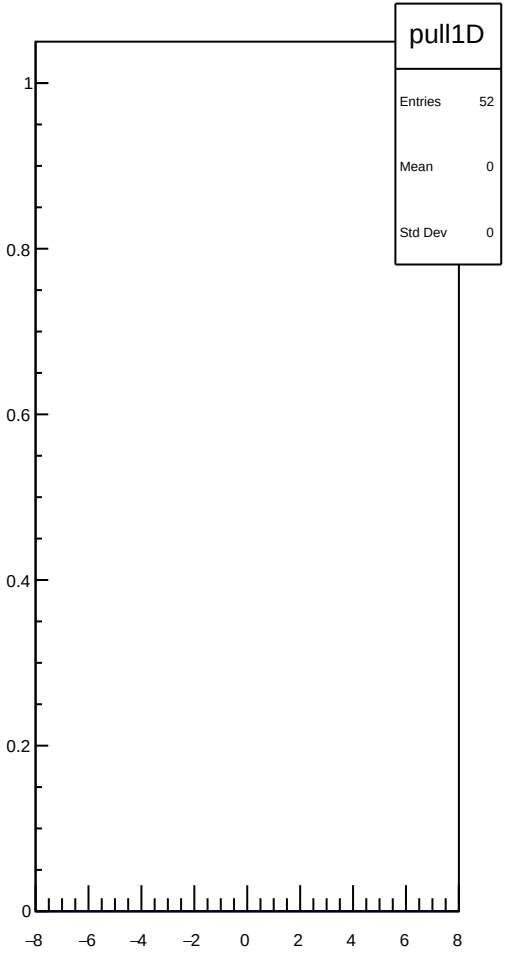

yield_bpm0i01WS_rms vs run
χ^2 / ndf 9.69e+04 / 51
p0 139.8 ± 0.1398
2000
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

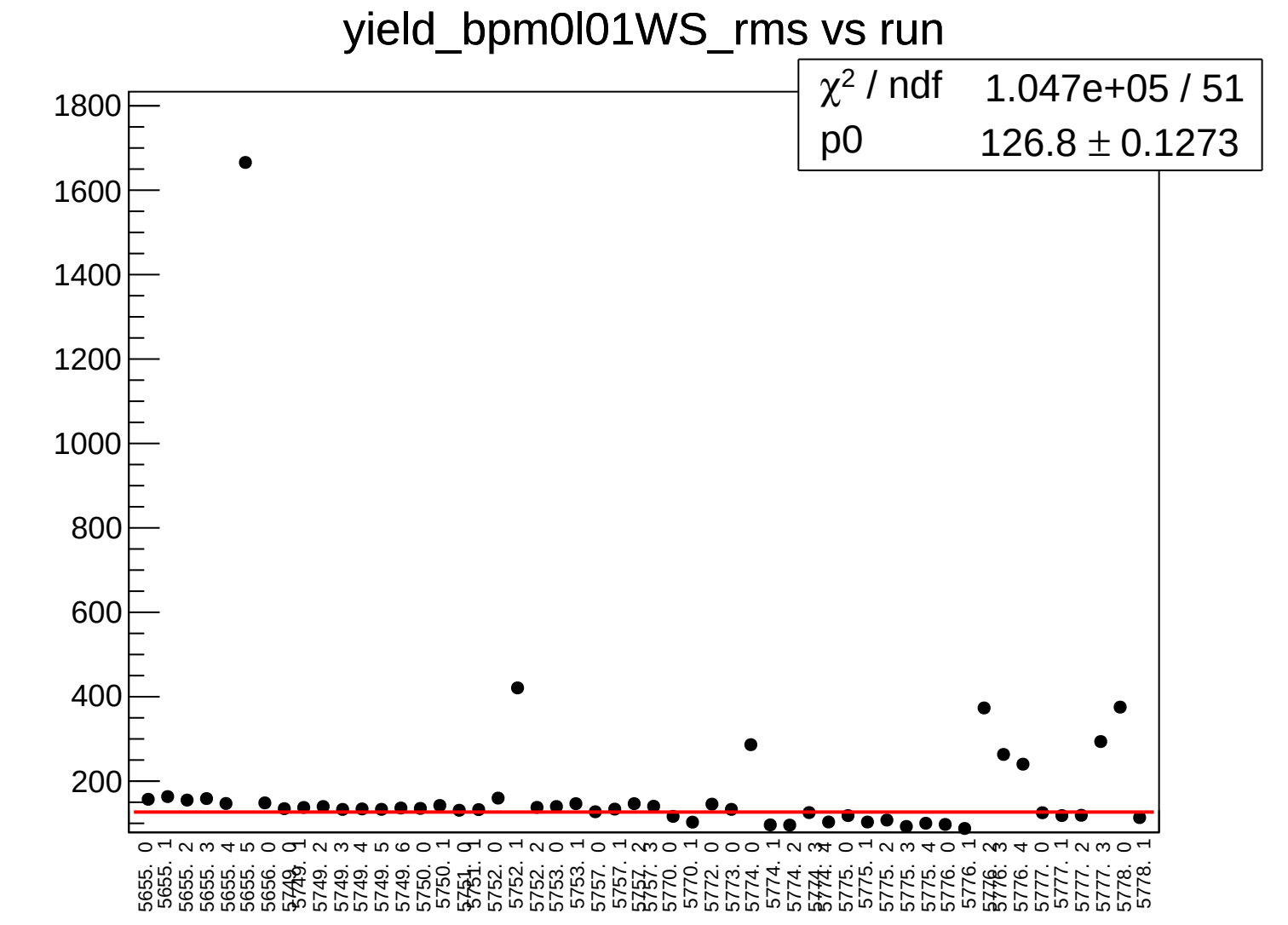

yield_bpm0i01aWS_mean vs run
×10^3
χ^2 / ndf 1.407e+07 / 51
p0 1.427e+05 ± 0.1565
143
142
141
140
139
138
pull
Entries 52
Mean −125.7
Std Dev 0
0
−500
−1000
−1500
−2000
−2500
−3000
−3500

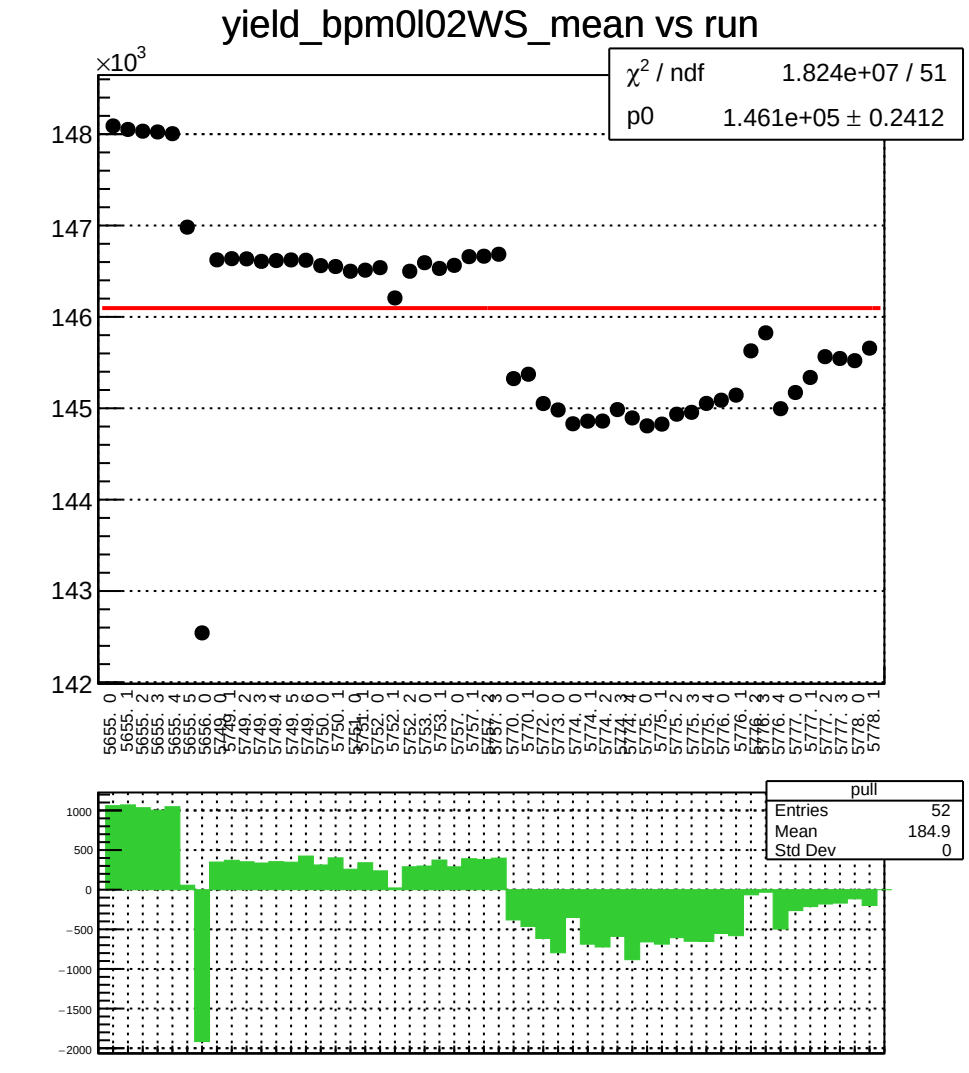

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

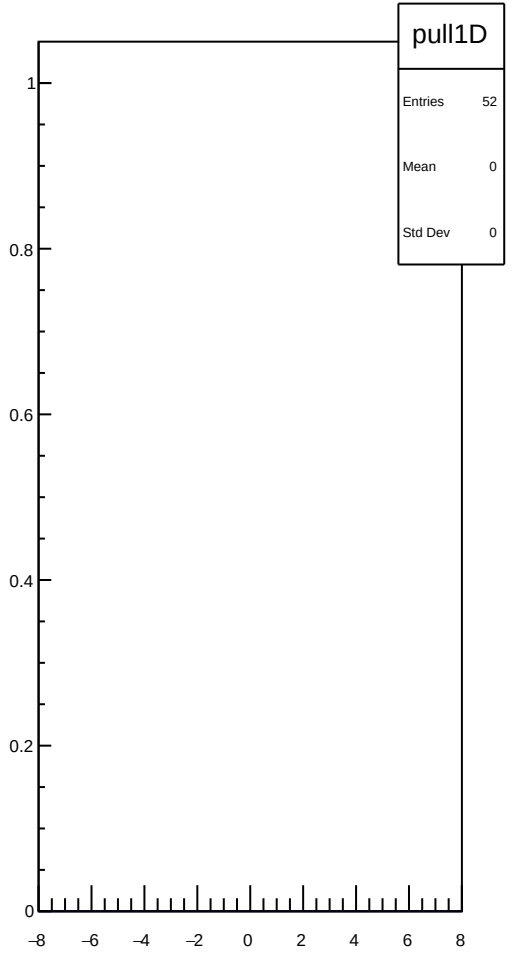

yield_bpm0i01aWS_rms vs run
χ² / ndf 8.767e+04 / 51
p0 111.1 ± 0.1106
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

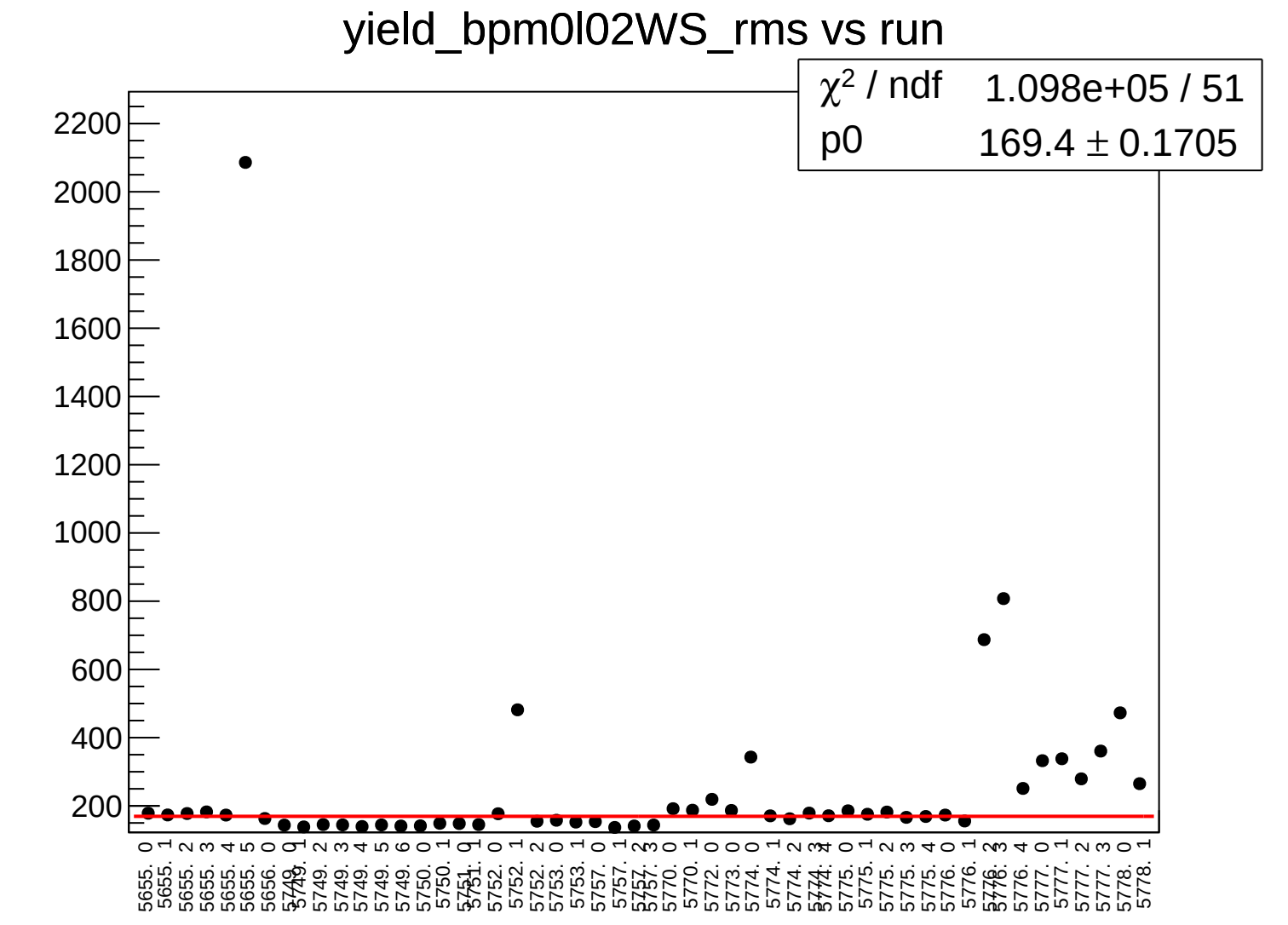

yield_bpm0l01WS_mean vs run
×10^3
χ² / ndf 3.447e+07 / 51
p0 1.285e+05 ± 0.18
130
129
128
127
126
125
124
123
pull
Entries 52
Mean 274.5
Std Dev 0
1000
500
0
−500
−1000
−1500
−2000
−2500
−3000
−3500

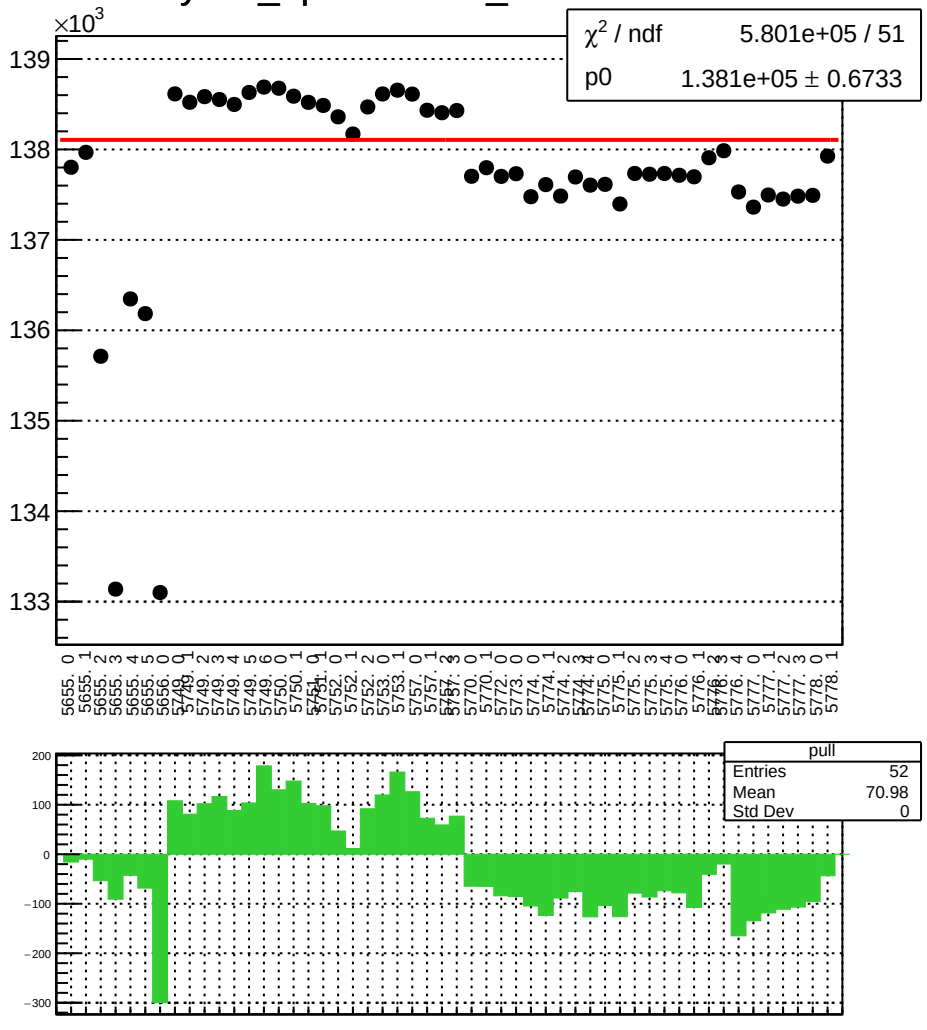

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

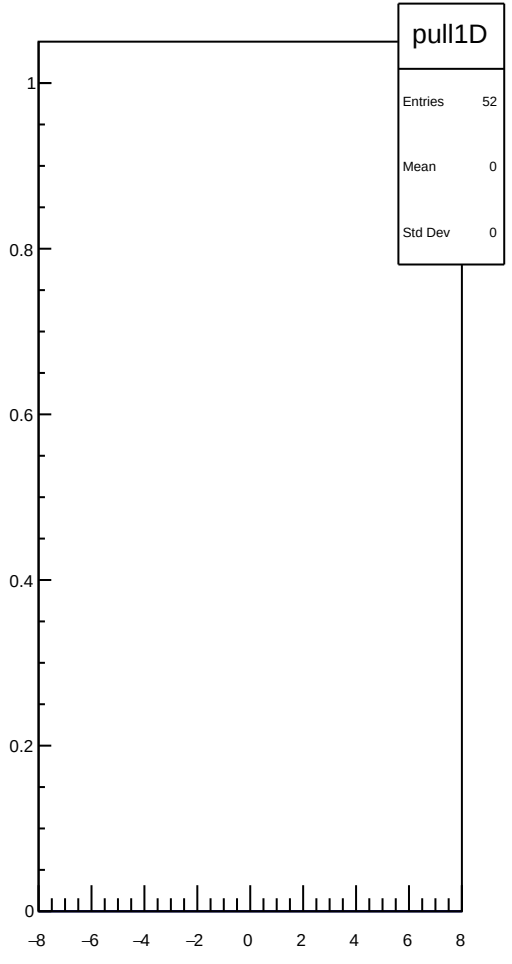

yield_bpm0l01WS_rms vs run
χ^2 / ndf 1.047e+05 / 51
p0 126.8 ± 0.1273
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

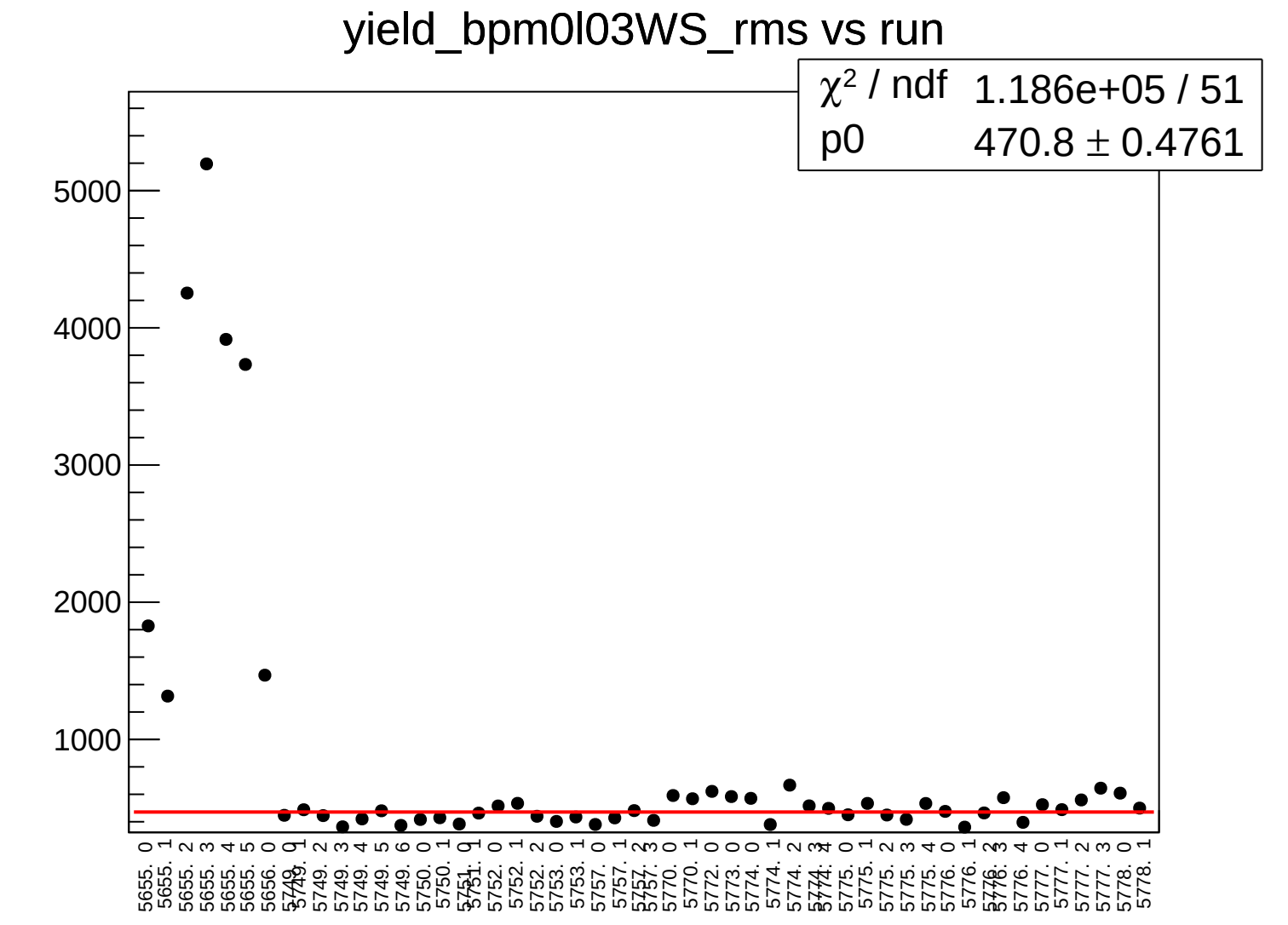

yield_bpm0l02WS_mean vs run
×10^3
χ² / ndf 1.824e+07 / 51
p0 1.461e+05 ± 0.2412
148
147
146
145
144
143
142
pull
Entries 52
Mean 184.9
Std Dev 0
1000
500
0
−500
−1000
−1500
−2000

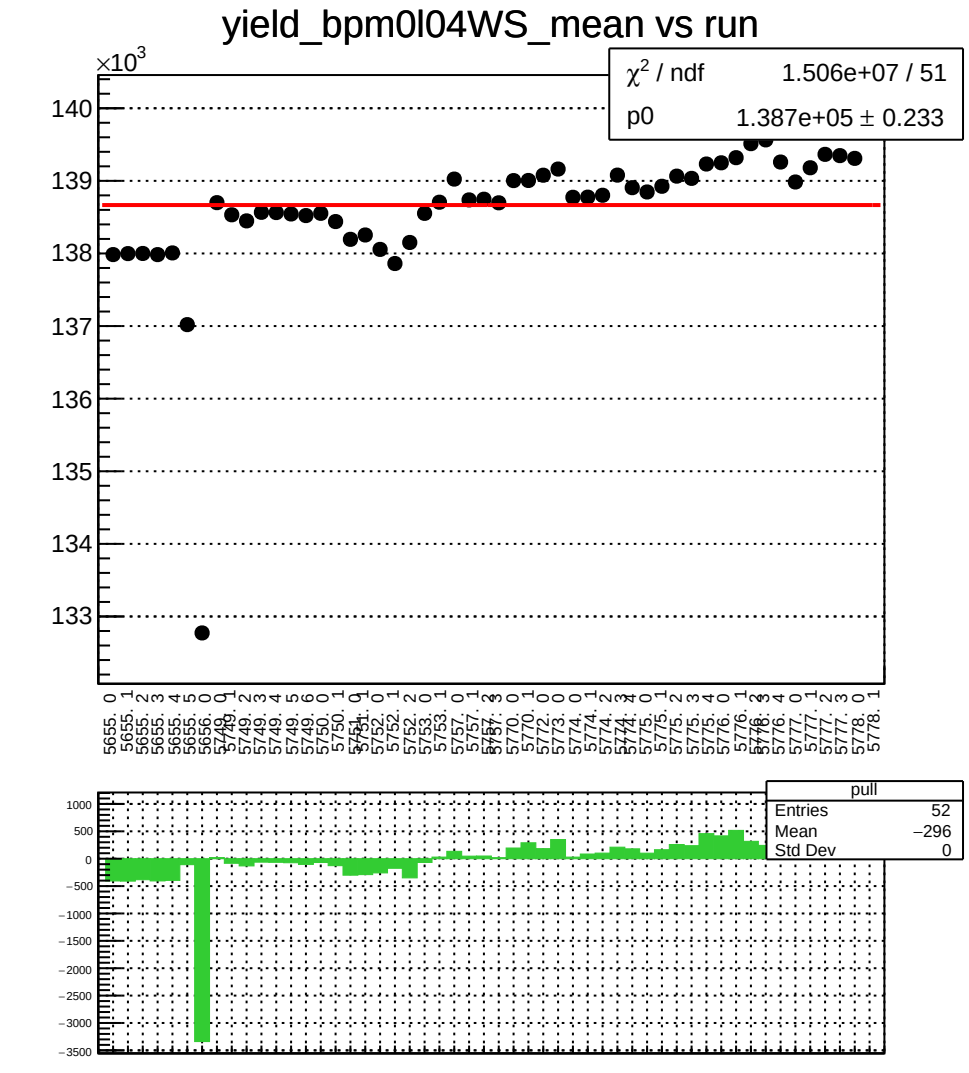

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

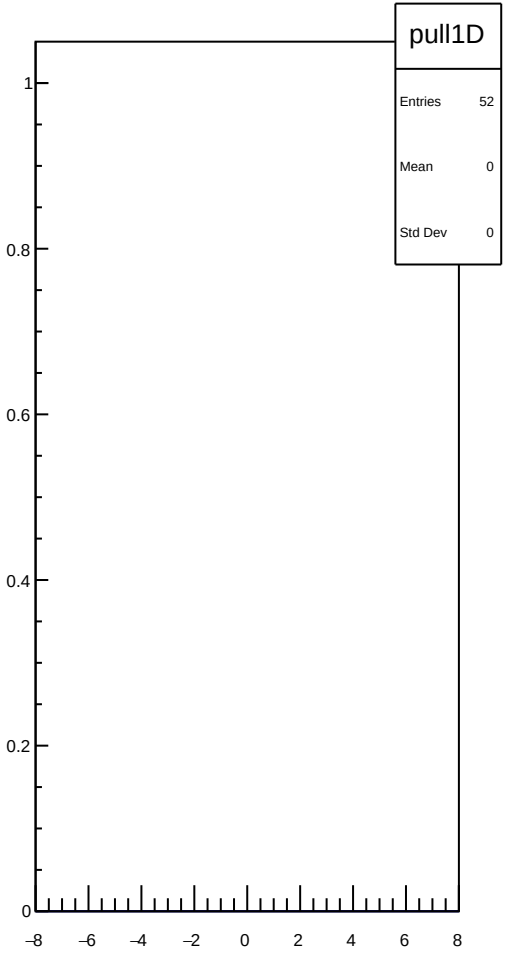

yield_bpm0l02WS_rms vs run
χ^2 / ndf 1.098e+05 / 51
p0 169.4 ± 0.1705
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

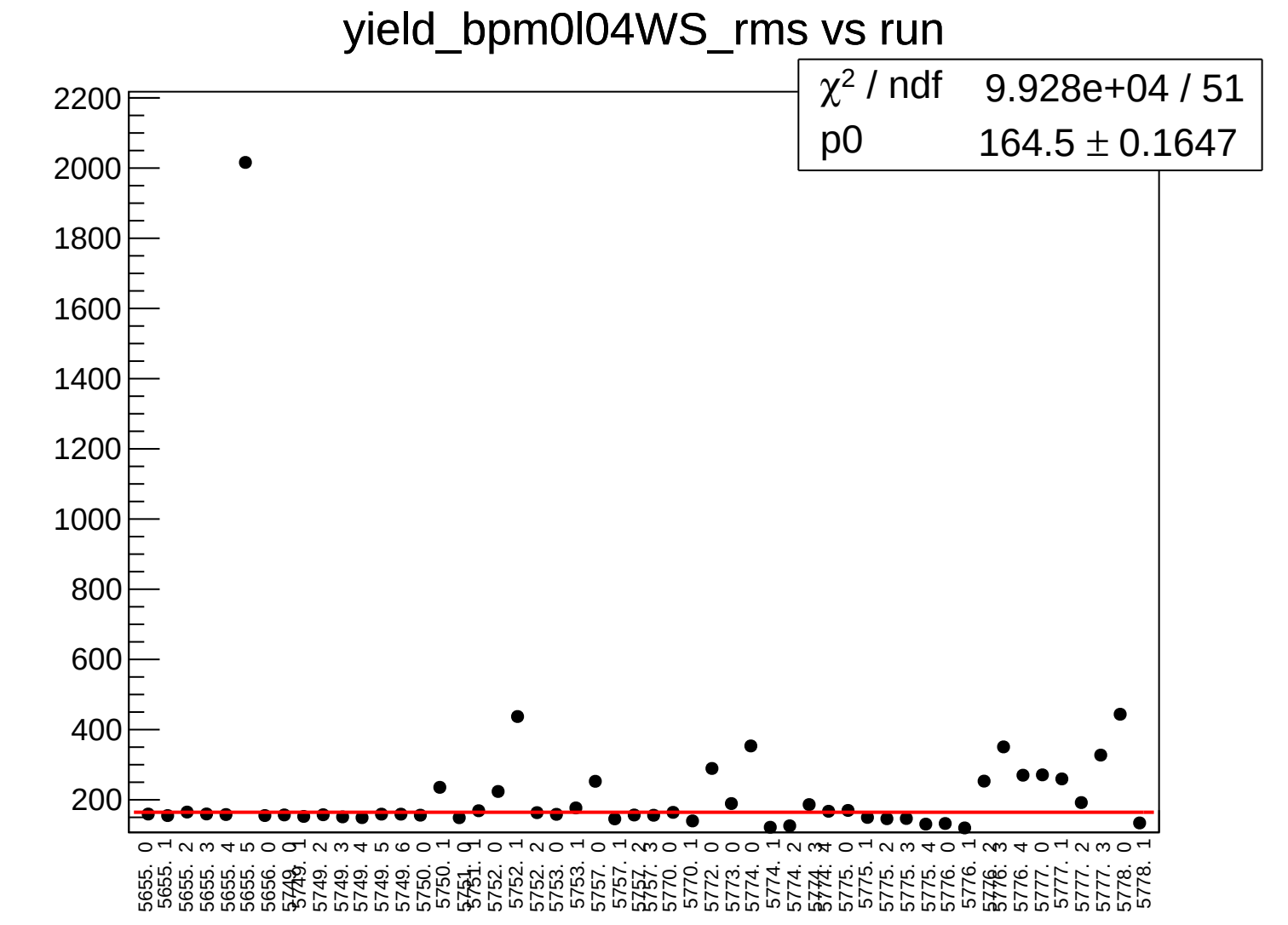

yield_bpm0l03WS_mean vs run
×10^3
χ² / ndf 5.801e+05 / 51
p0 1.381e+05 ± 0.6733
pull
Entries 52
Mean 70.98
Std Dev 0

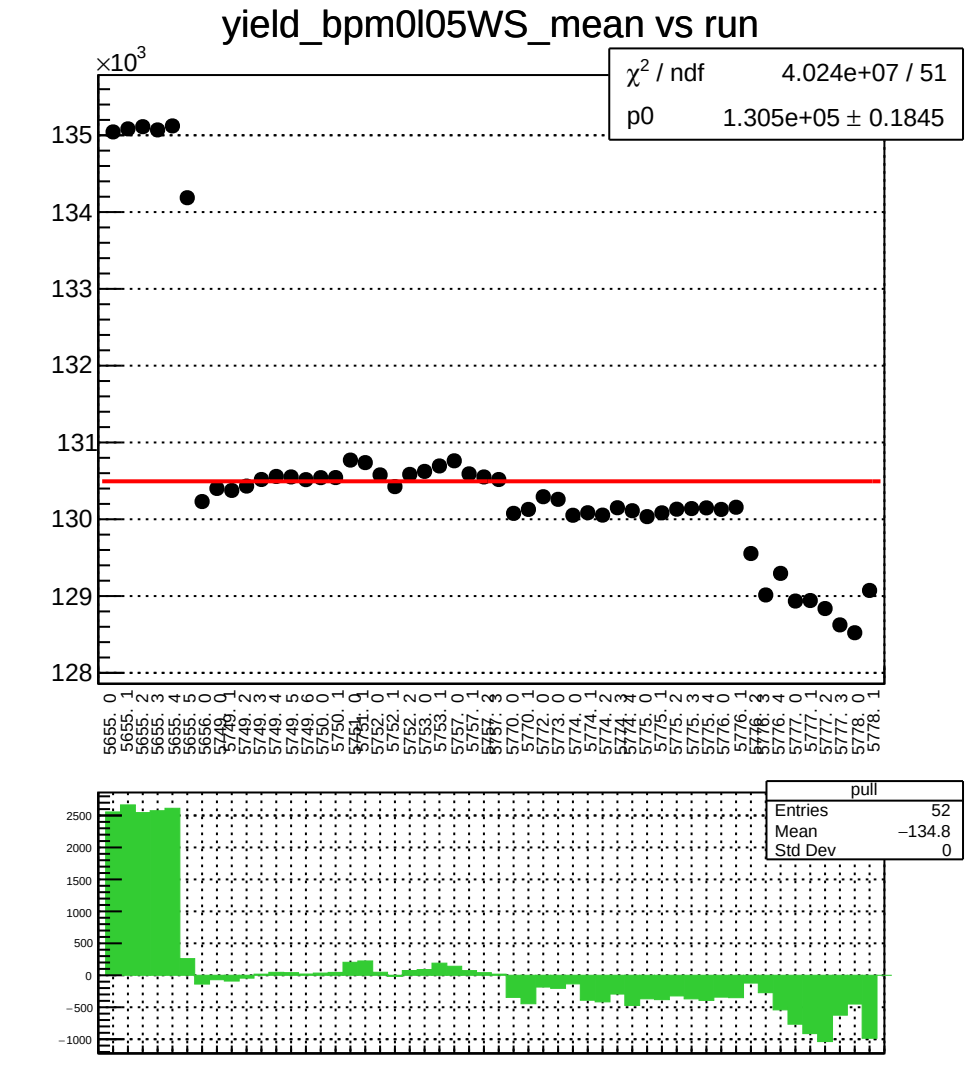

pull1D
Entries 52
Mean 0
Std Dev 0

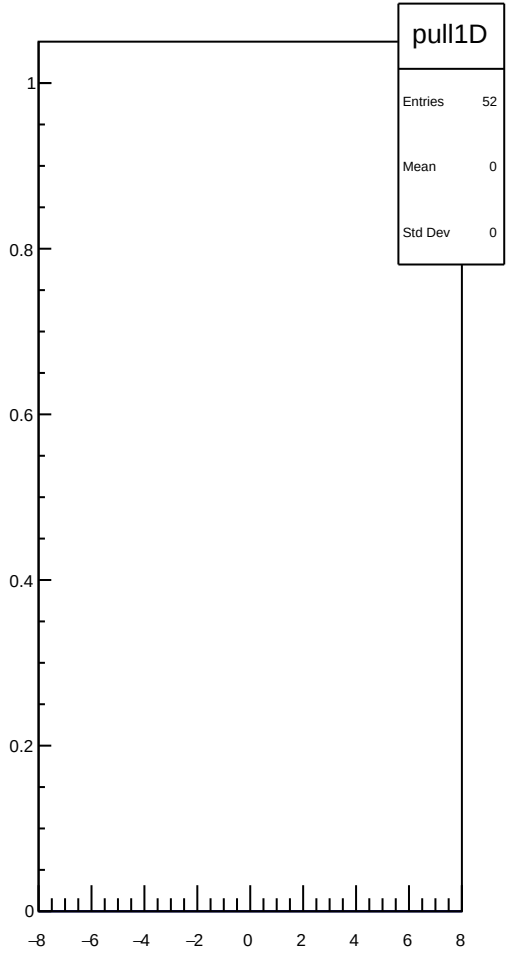

yield_bpm0l03WS_rms vs run
χ² / ndf 1.186e+05 / 51
p0 470.8 ± 0.4761
5000
4000
3000
2000
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

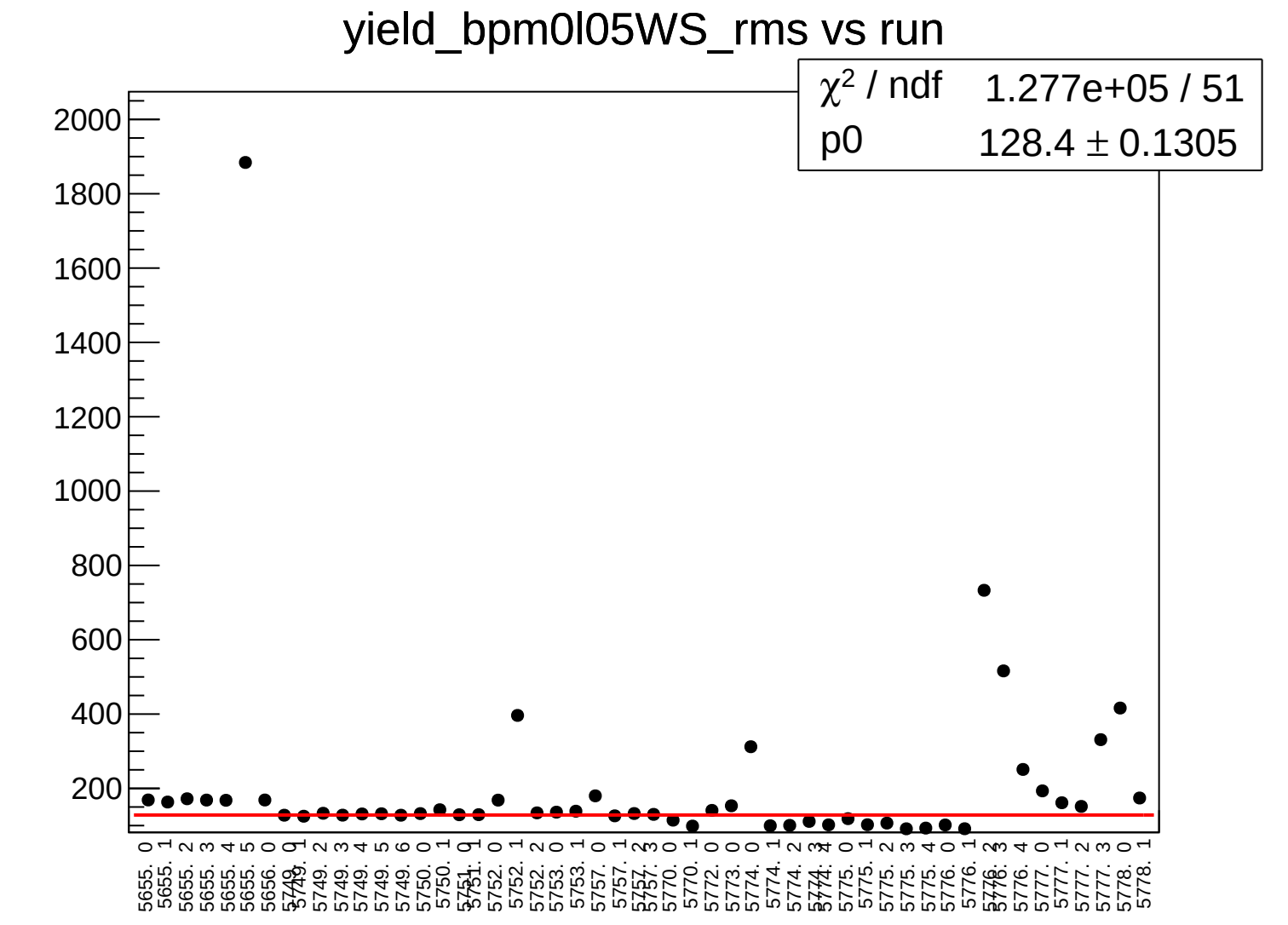

yield_bpm0l04WS_mean vs run
×10^3
χ^2 / ndf 1.506e+07 / 51
p0 1.387e+05 ± 0.233
140
139
138
137
136
135
134
133
pull
Entries 52
Mean −296
Std Dev 0
1000
500
0
−500
−1000
−1500
−2000
−2500
−3000
−3500

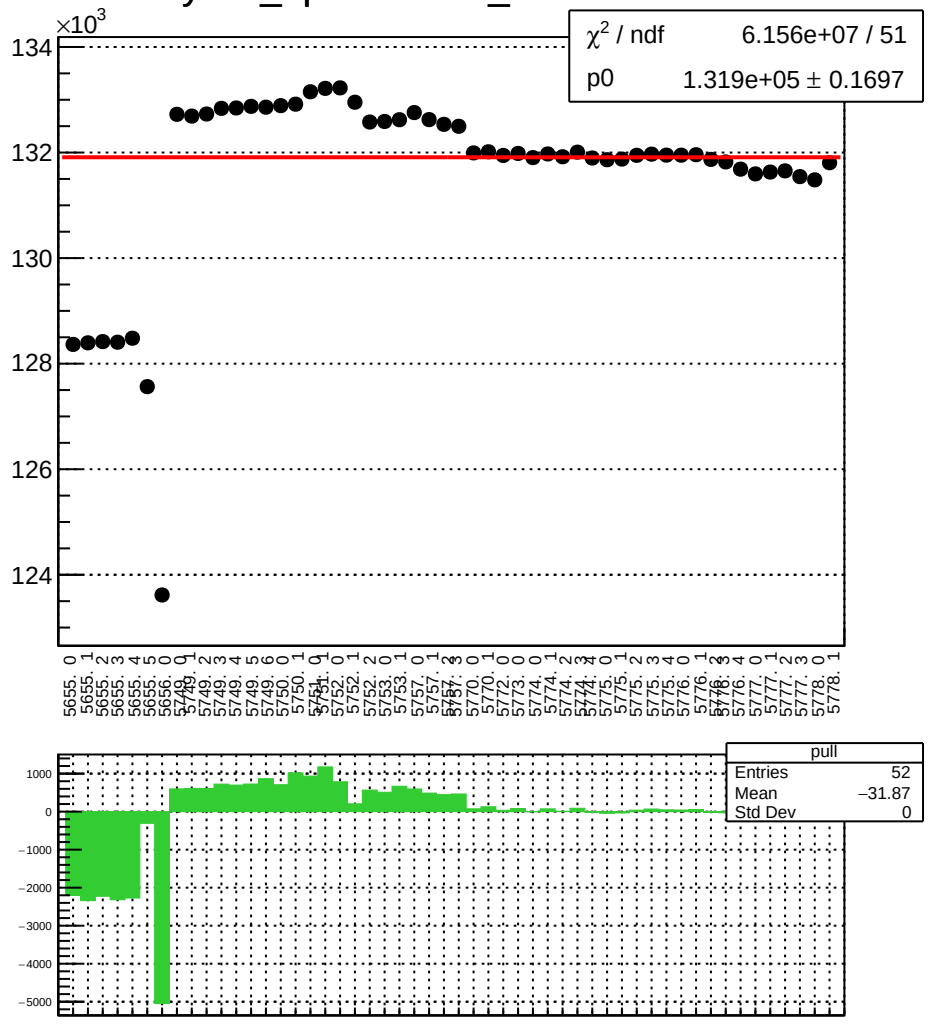

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

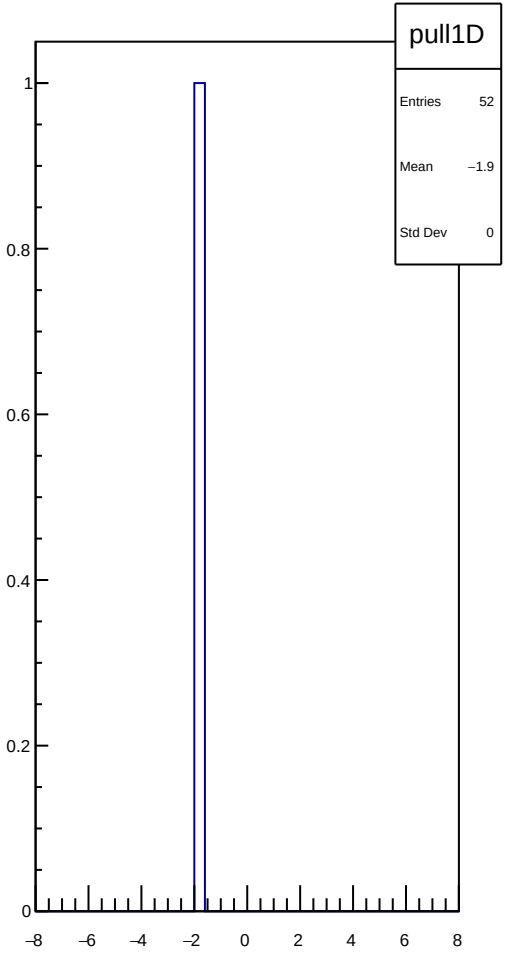

yield_bpm0l04WS_rms vs run
χ^2 / ndf 9.928e+04 / 51
p0 164.5 ± 0.1647
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

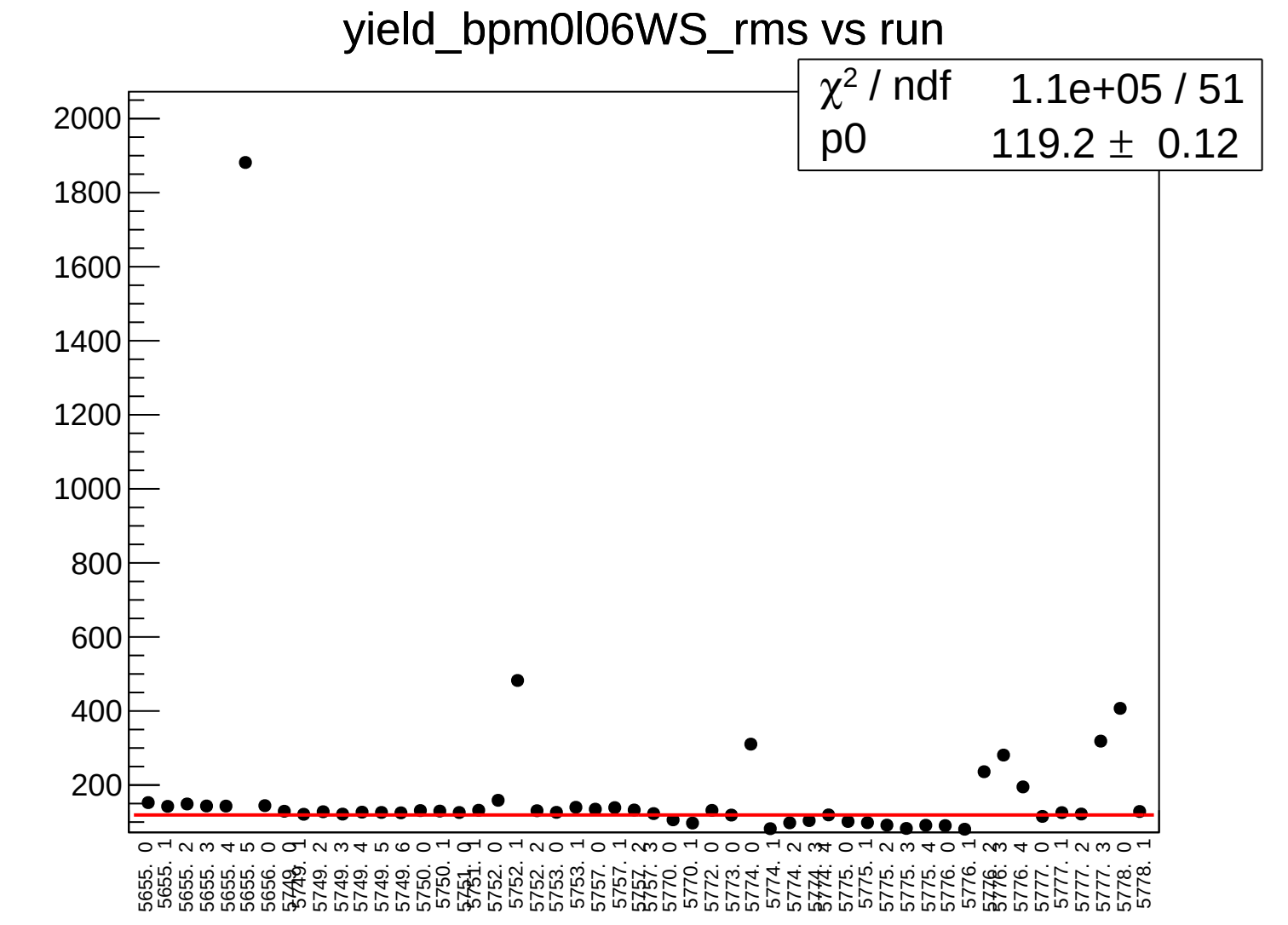

yield_bpm0l05WS_mean vs run
×10^3
χ² / ndf 4.024e+07 / 51
p0 1.305e+05 ± 0.1845
135
134
133
132
131
130
129
128
pull
Entries 52
Mean −134.8
Std Dev 0
2500
2000
1500
1000
500
0
−500
−1000

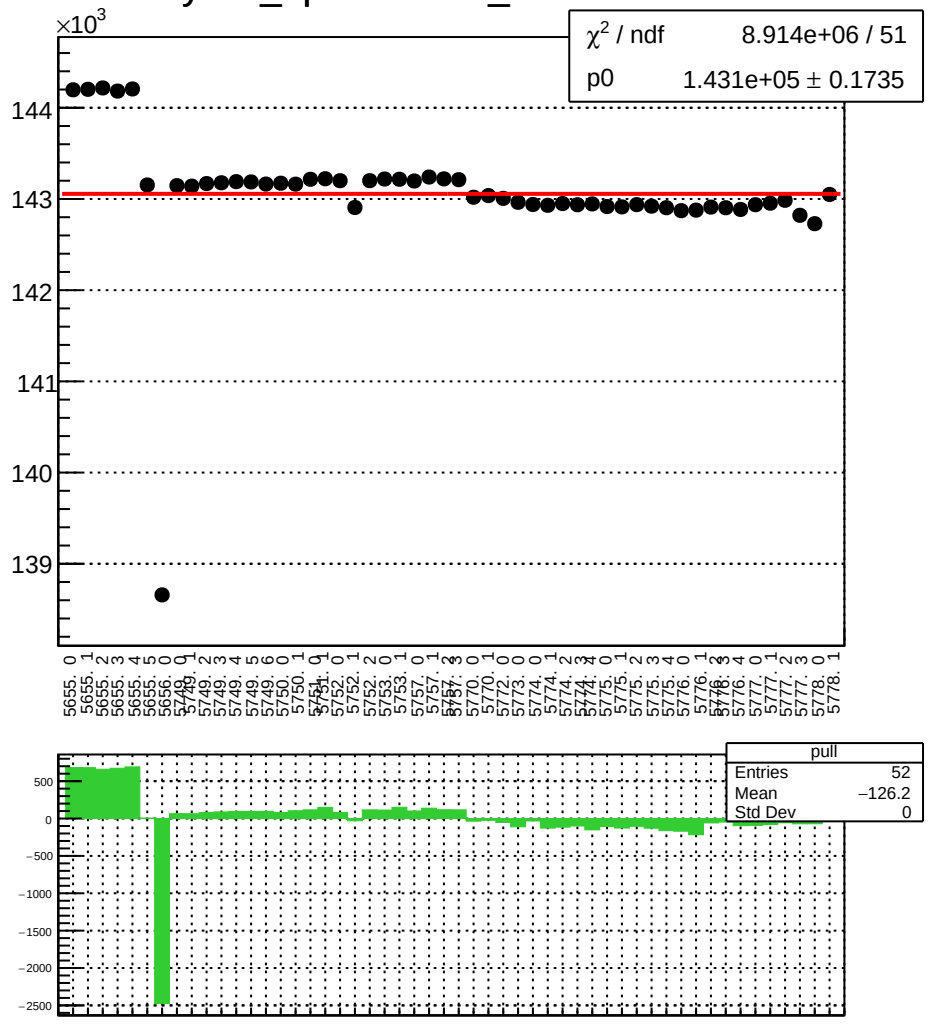

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

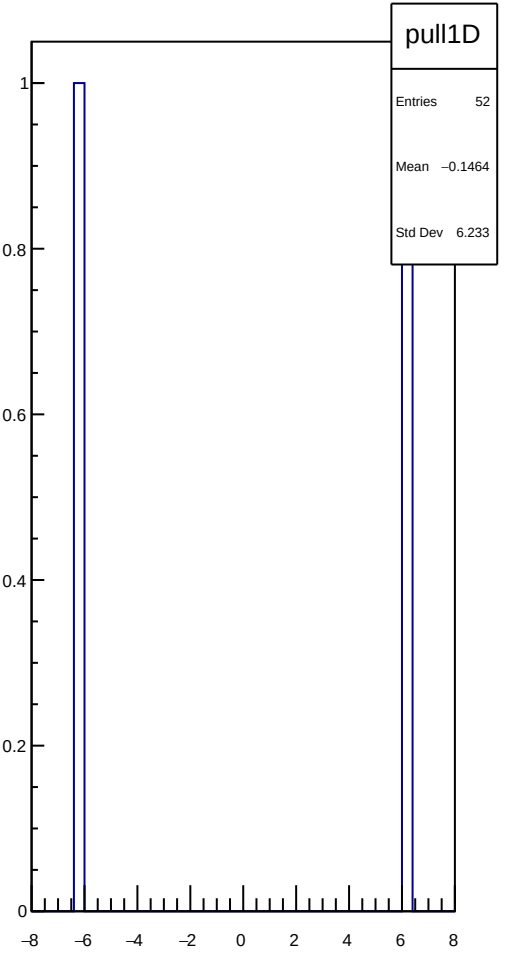

yield_bpm0l05WS_rms vs run
χ² / ndf 1.277e+05 / 51
p0 128.4 ± 0.1305
2000
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

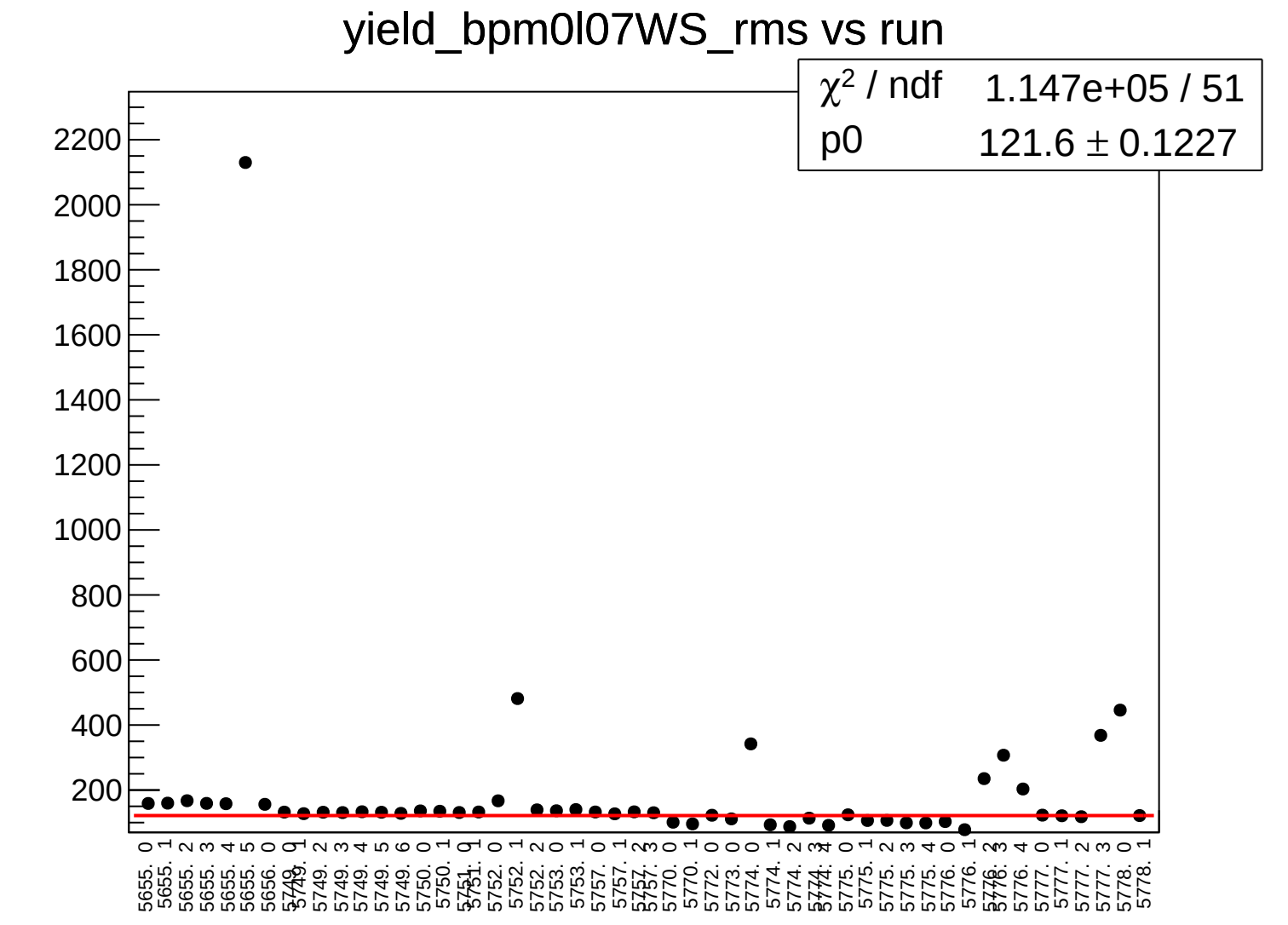

yield_bpm0l06WS_mean vs run
×10^3
χ² / ndf 6.156e+07 / 51
p0 1.319e+05 ± 0.1697
134
132
130
128
126
124
pull
Entries 52
Mean −31.87
Std Dev 0
1000
0
−1000
−2000
−3000
−4000
−5000

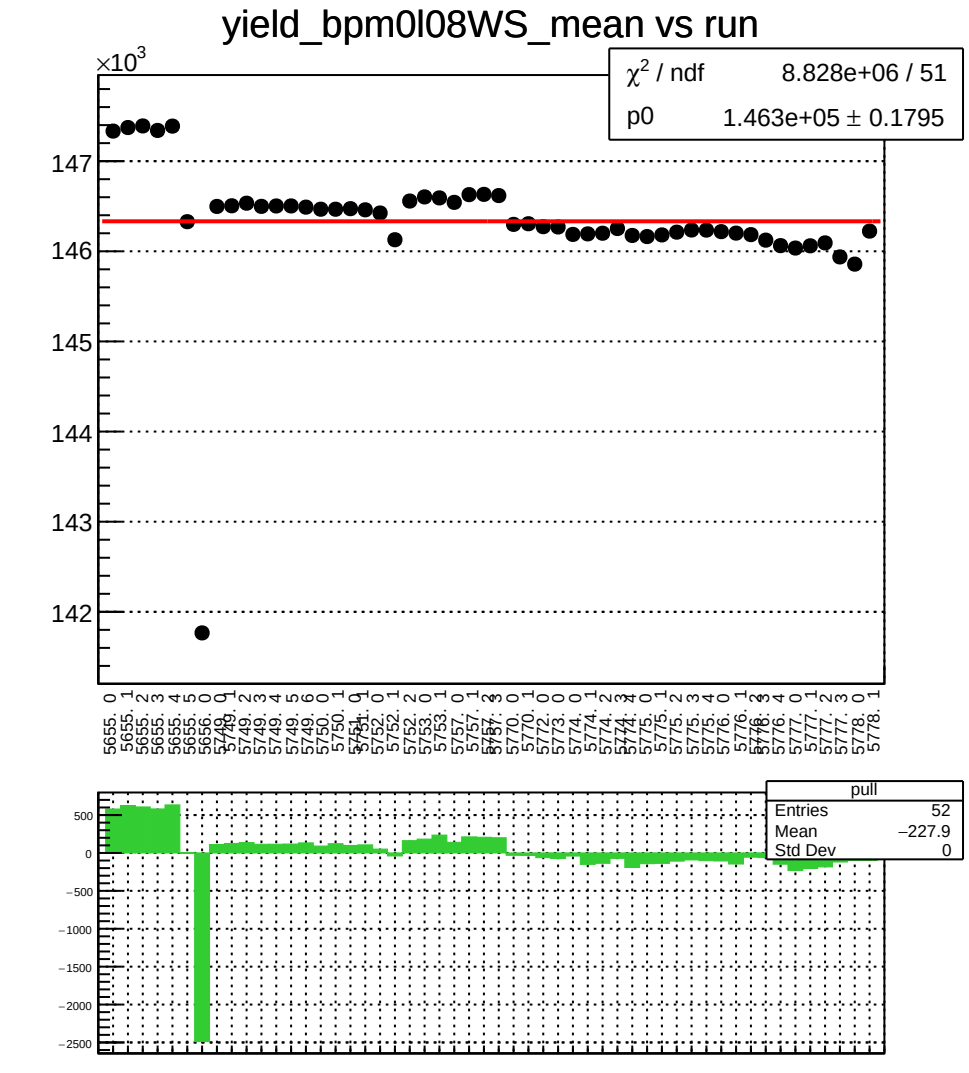

pull1D
Entries 52
Mean −1.9
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

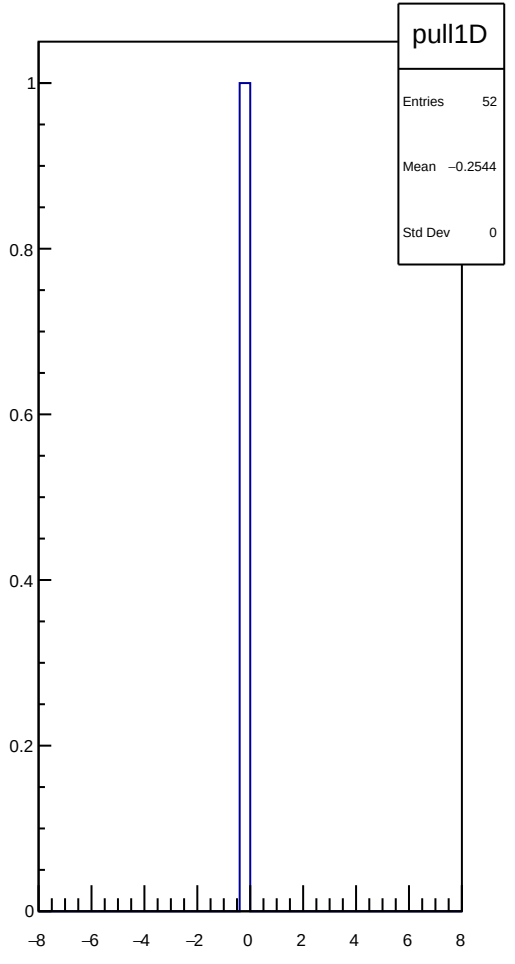

yield_bpm0l06WS_rms vs run
χ² / ndf 1.1e+05 / 51
p0 119.2 ± 0.12
2000
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

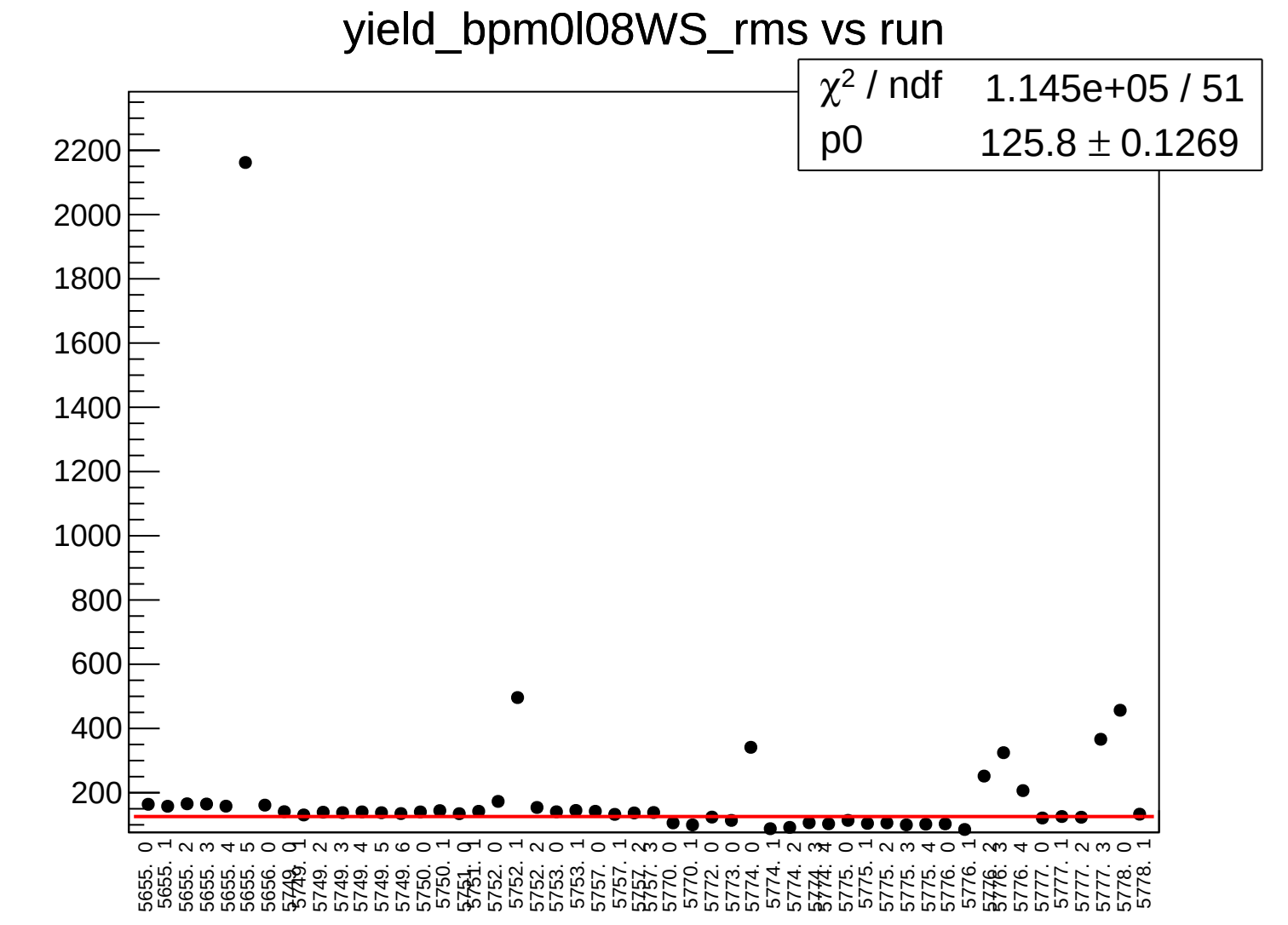

yield_bpm0l07WS_mean vs run
×10^3
χ² / ndf 8.914e+06 / 51
p0 1.431e+05 ± 0.1735
144
143
142
141
140
139
pull
Entries 52
Mean −126.2
Std Dev 0
500
0
−500
−1000
−1500
−2000
−2500

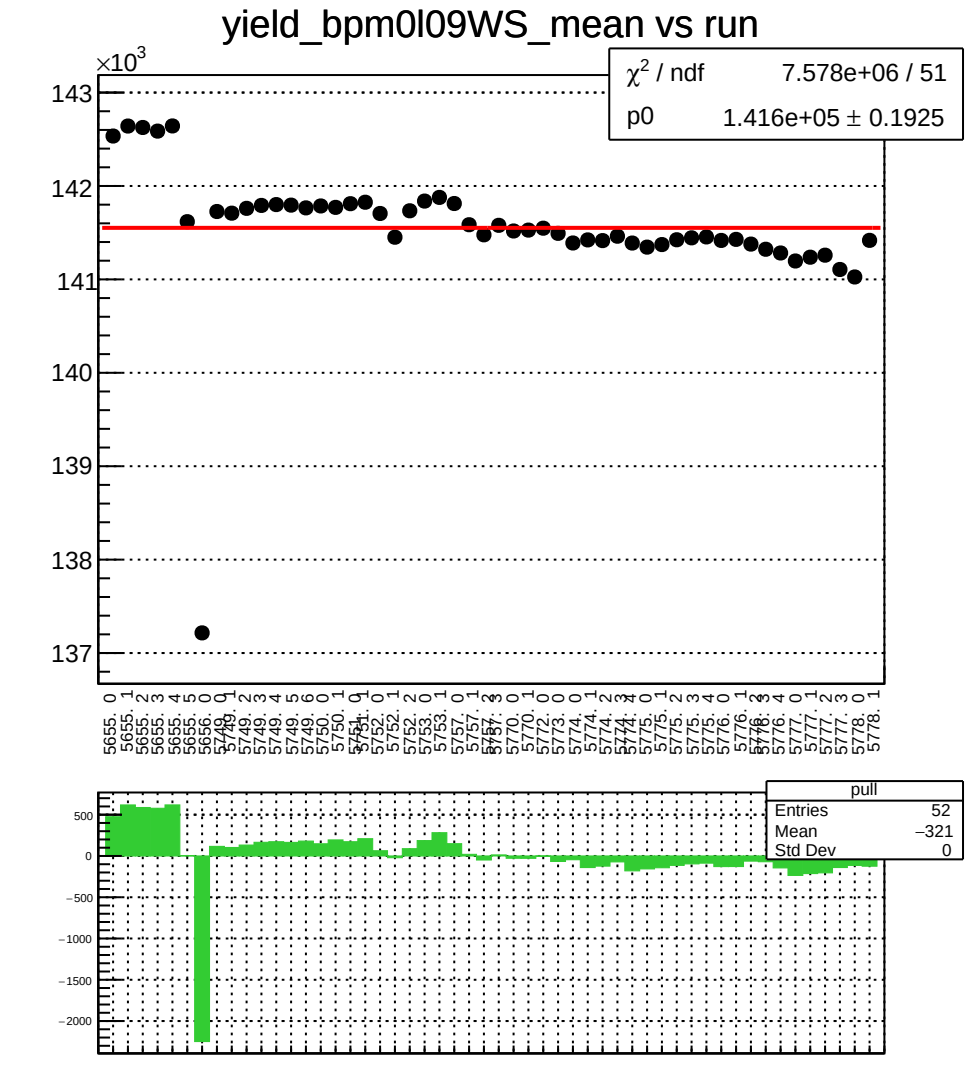

pull1D
Entries 52
Mean −0.1464
Std Dev 6.233
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

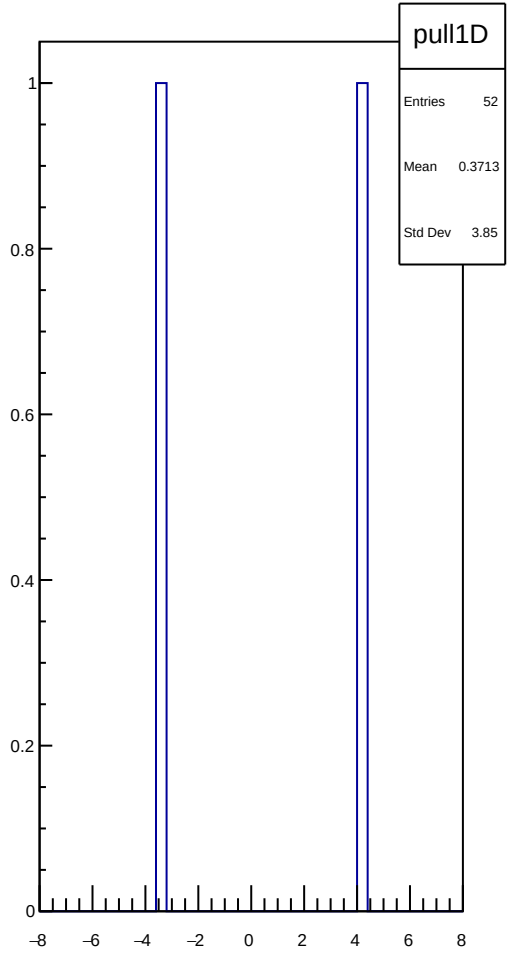

yield_bpm0l07WS_rms vs run
χ² / ndf 1.147e+05 / 51
p0 121.6 ± 0.1227
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

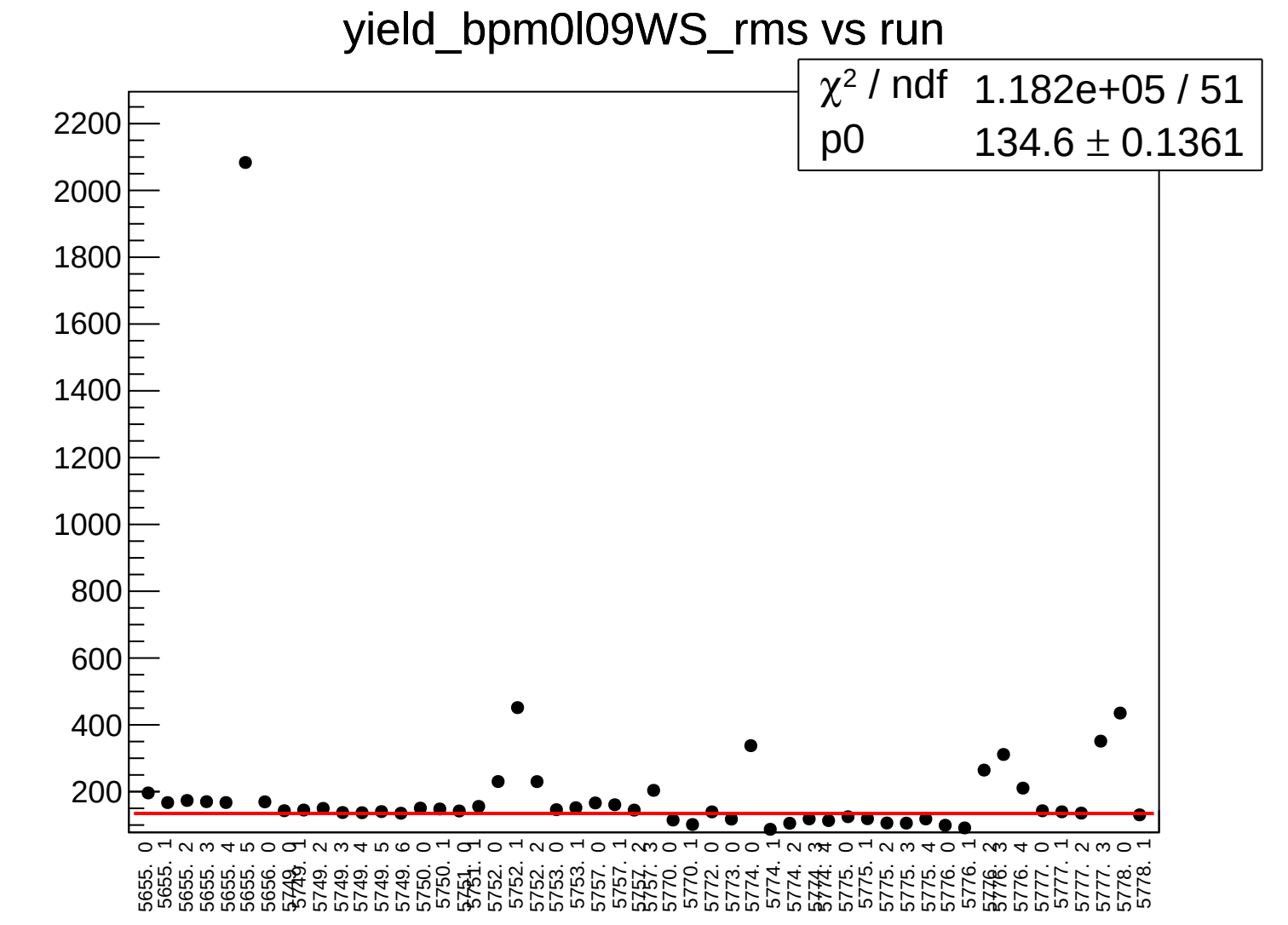

yield_bpm0l08WS_mean vs run
×10^3
χ² / ndf 8.828e+06 / 51
p0 1.463e+05 ± 0.1795
147
146
145
144
143
142
pull
Entries 52
Mean −227.9
Std Dev 0
500
0
−500
−1000
−1500
−2000
−2500

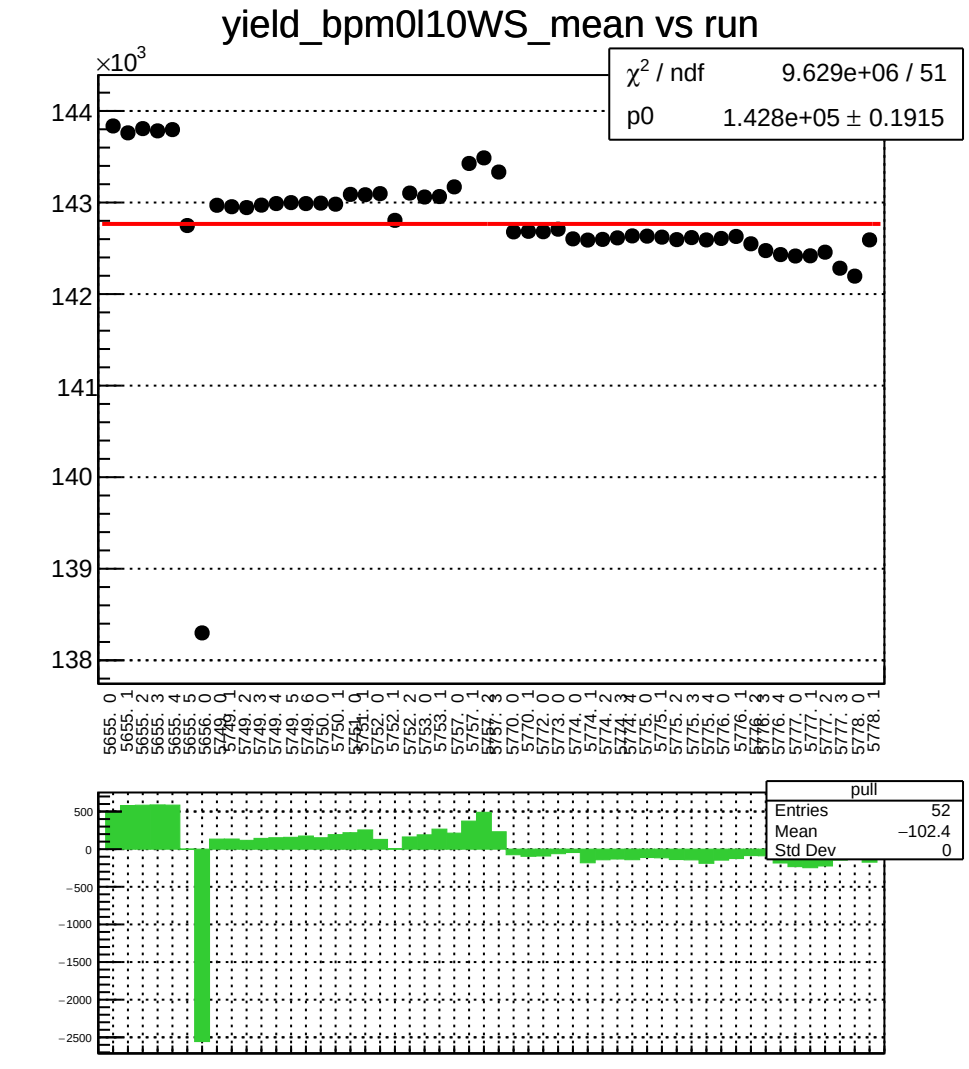

pull1D
Entries 52
Mean −0.2544
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

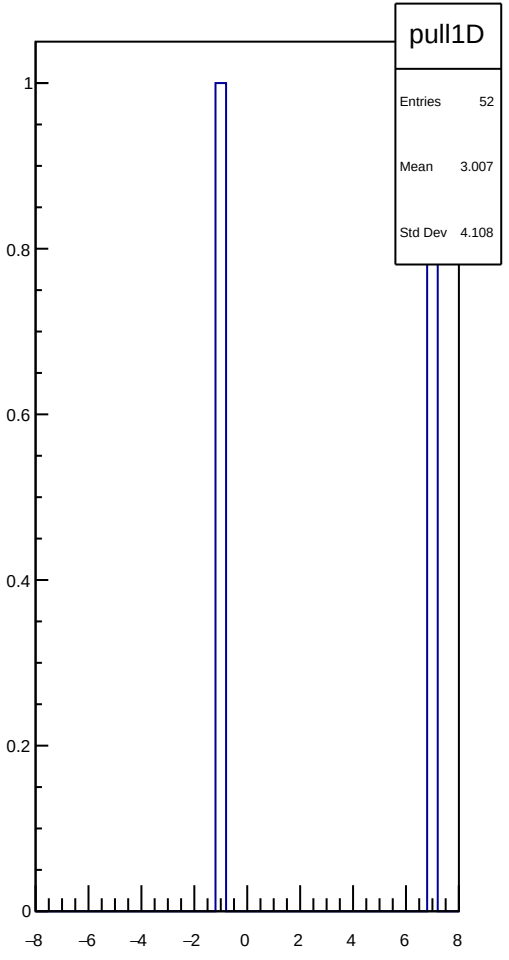

yield_bpm0l08WS_rms vs run
χ² / ndf 1.145e+05 / 51
p0 125.8 ± 0.1269
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

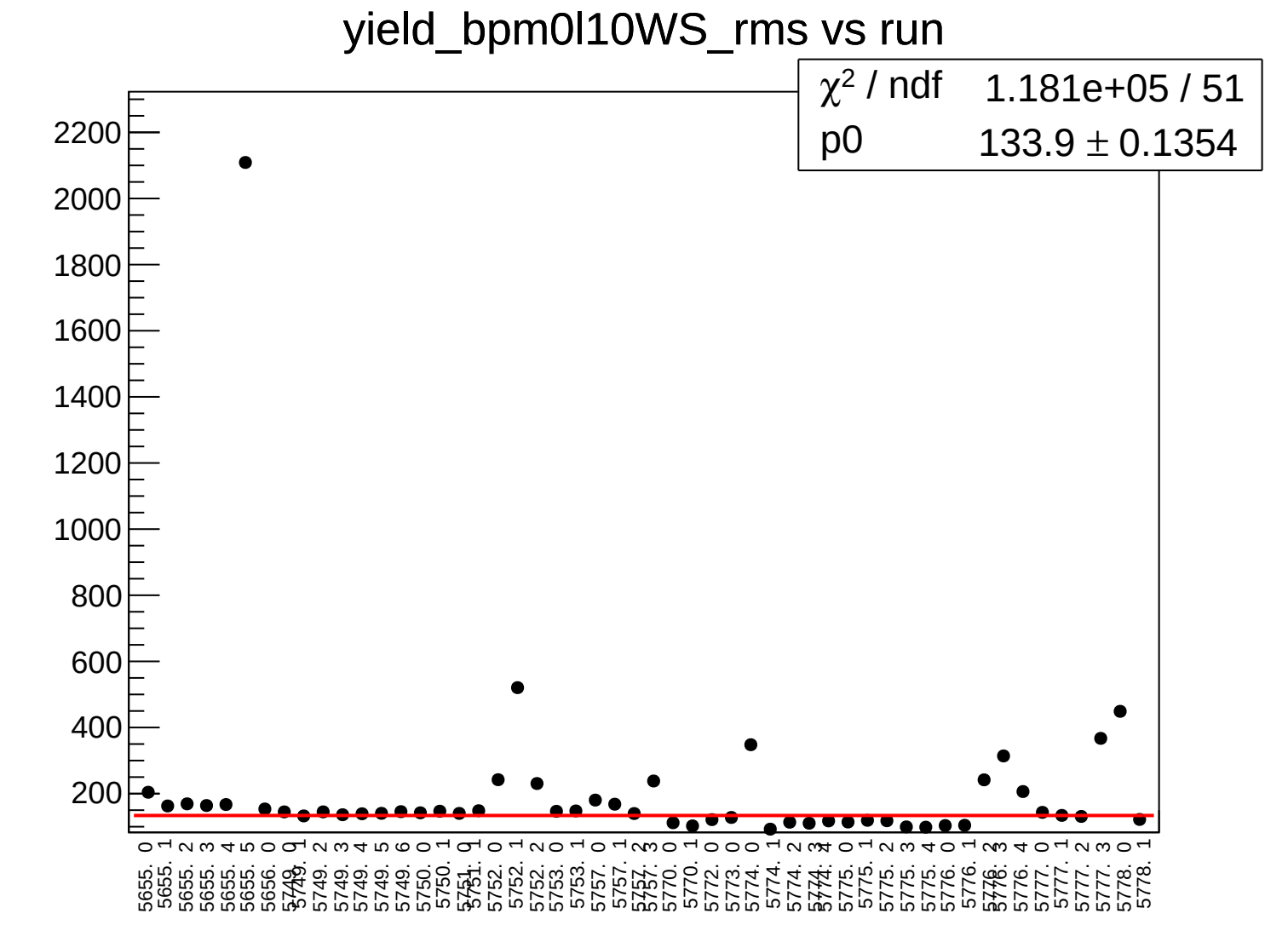

yield_bpm0l09WS_mean vs run
×10^3
χ^2 / ndf 7.578e+06 / 51
p0 1.416e+05 ± 0.1925
143
142
141
140
139
138
137
pull
Entries 52
Mean −321
Std Dev 0
500
0
−500
−1000
−1500
−2000


pull1D
Entries 52
Mean 0.3713
Std Dev 3.85
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bpm0l09WS_rms vs run
χ² / ndf 1.182e+05 / 51
p0 134.6 ± 0.1361
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


yield_bpm0l10WS_mean vs run
×10^3
χ² / ndf 9.629e+06 / 51
p0 1.428e+05 ± 0.1915
144
143
142
141
140
139
138
pull
Entries 52
Mean −102.4
Std Dev 0
500
0
−500
−1000
−1500
−2000
−2500


pull1D
Entries 52
Mean 3.007
Std Dev 4.108
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 1.181e+05 / 51
p0 133.9 ± 0.1354
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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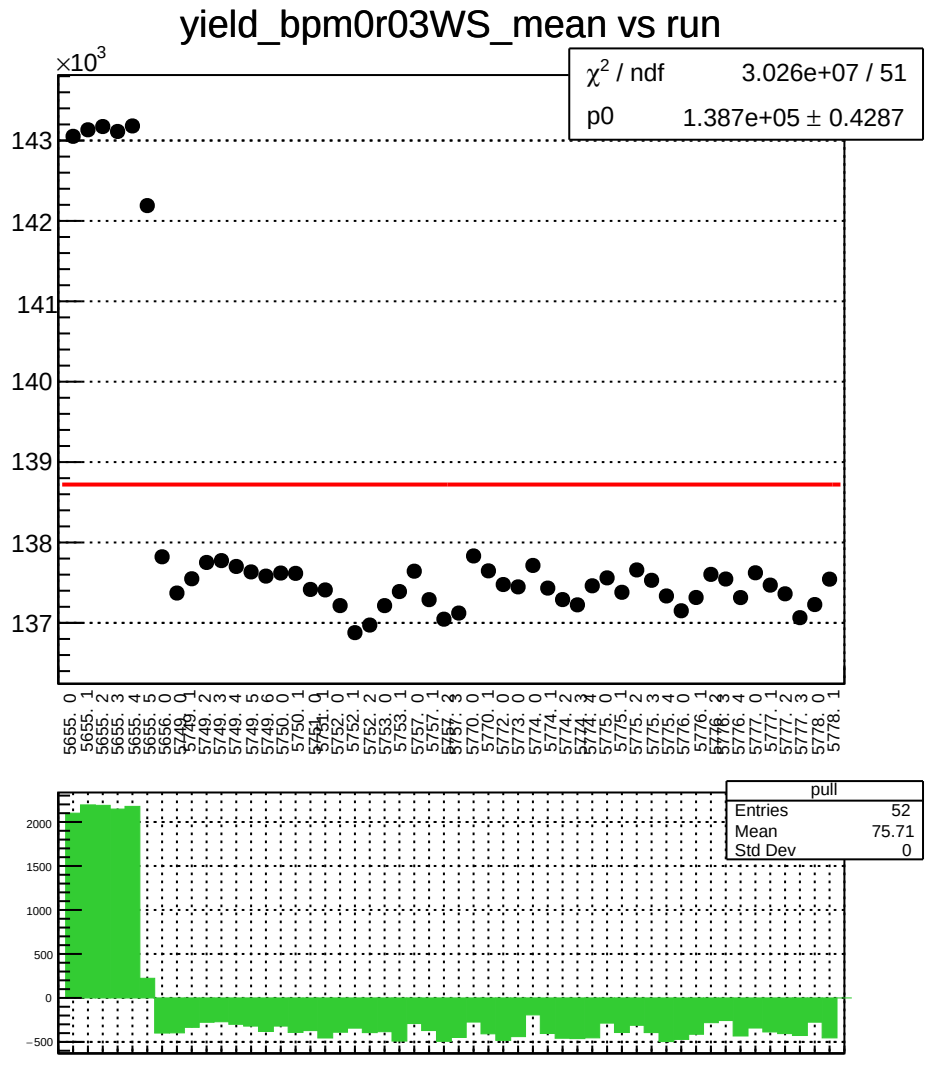
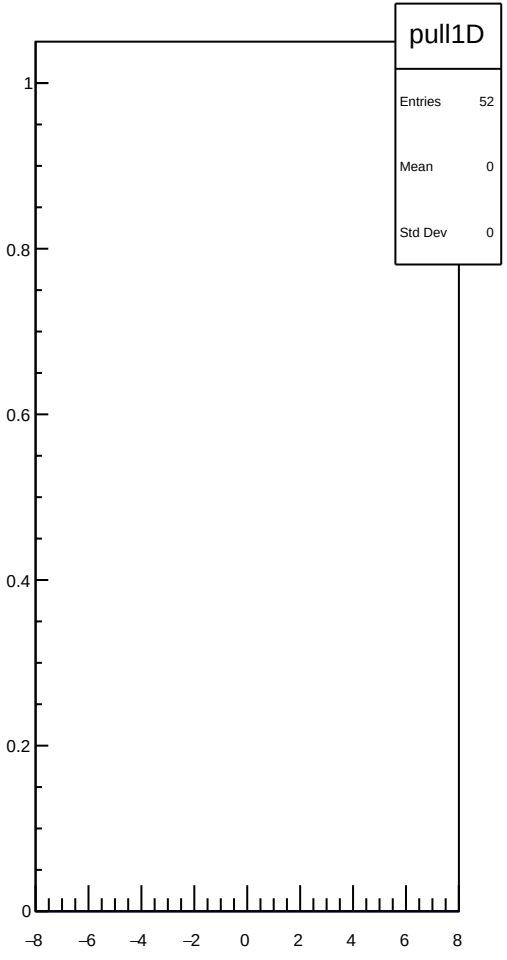
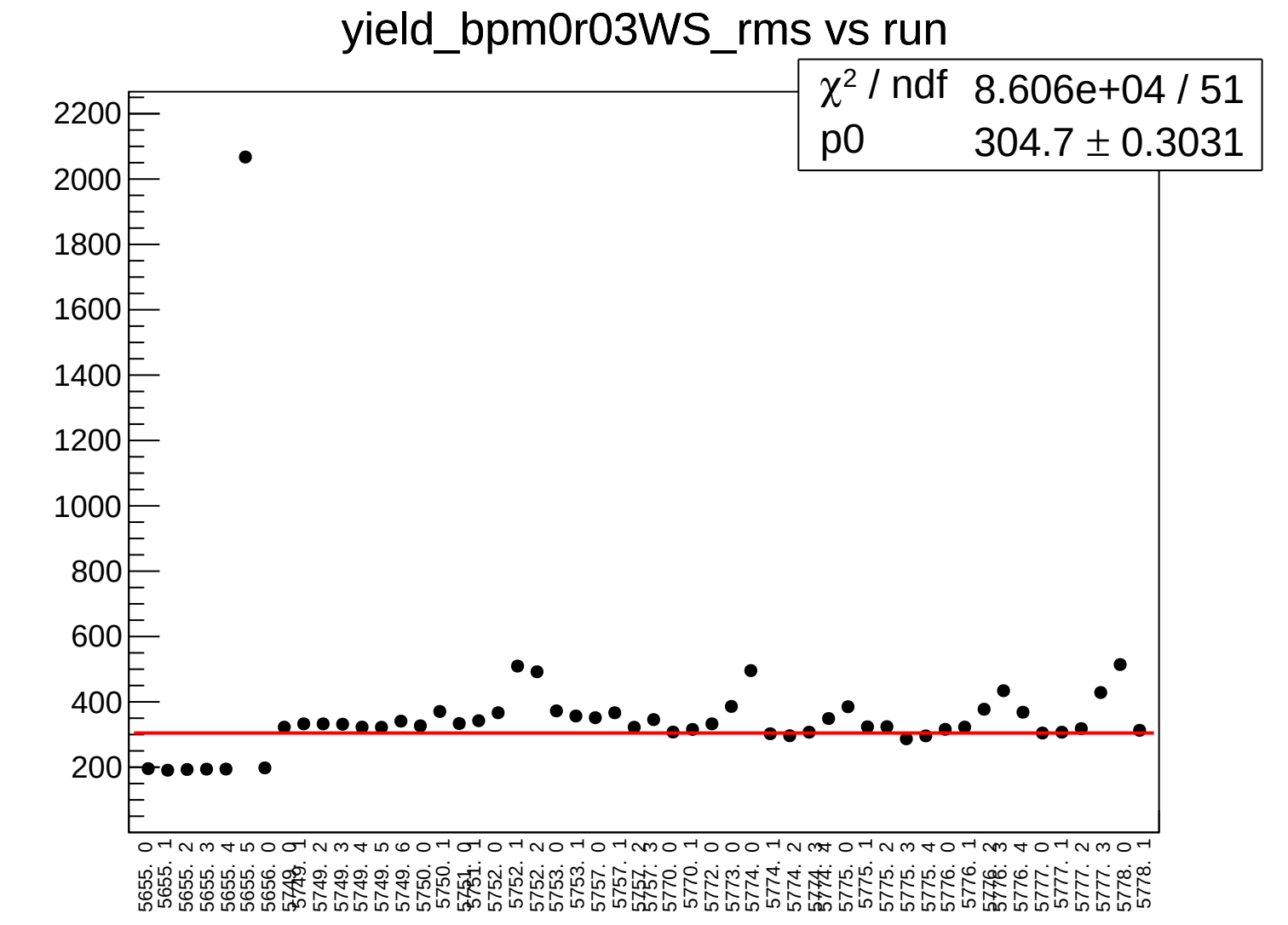
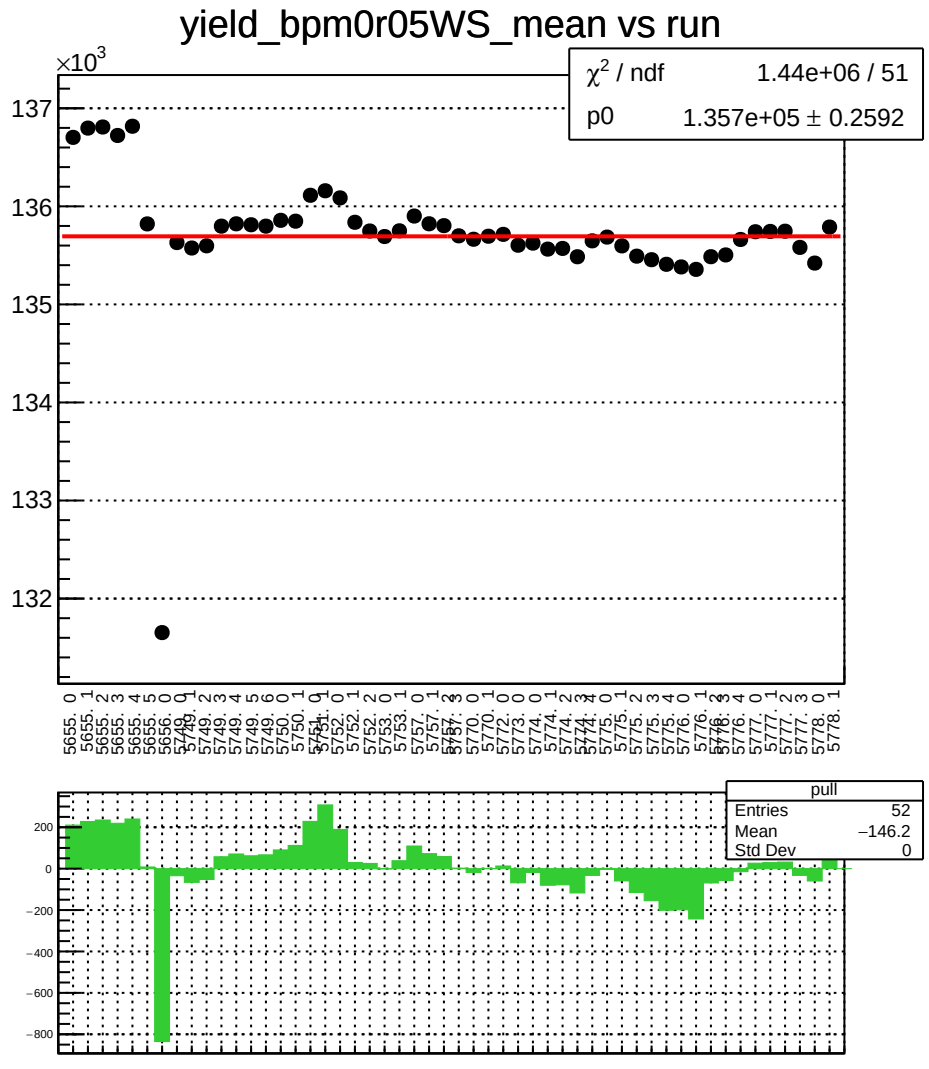
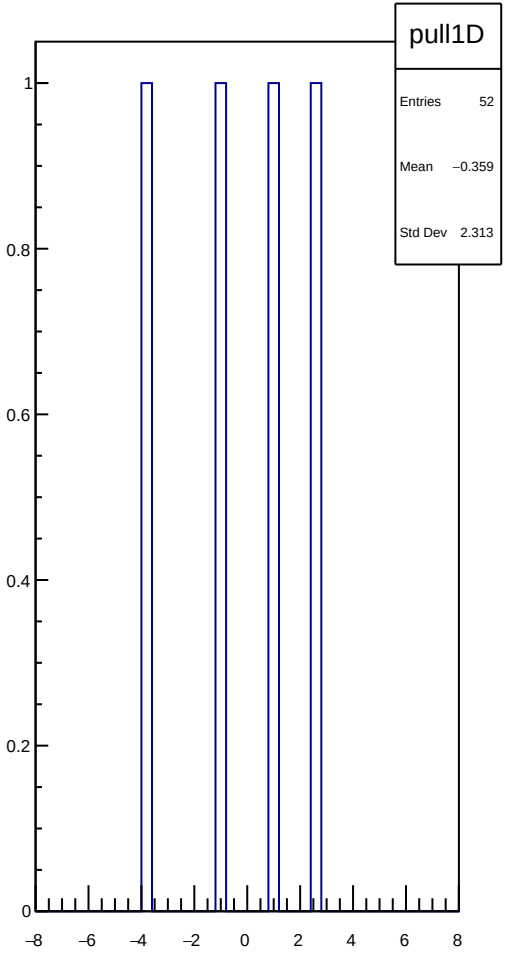
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

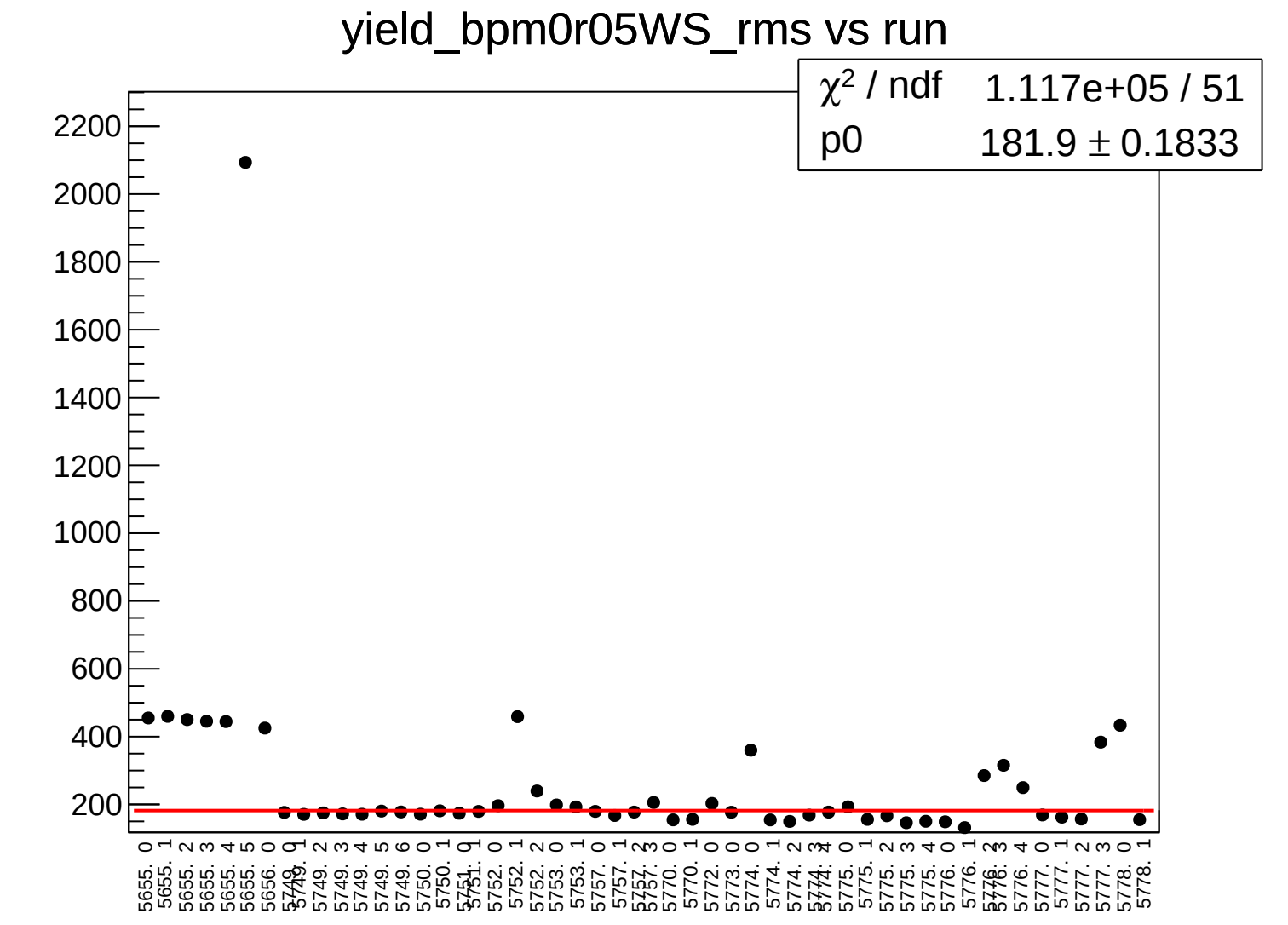

yield_bpm0r03WS_mean vs run
×10^3
χ^2 / ndf 3.026e+07 / 51
p0 1.387e+05 ± 0.4287
143
142
141
140
139
138
137
pull
Entries 52
Mean 75.71
Std Dev 0
2000
1500
1000
500
0
−500

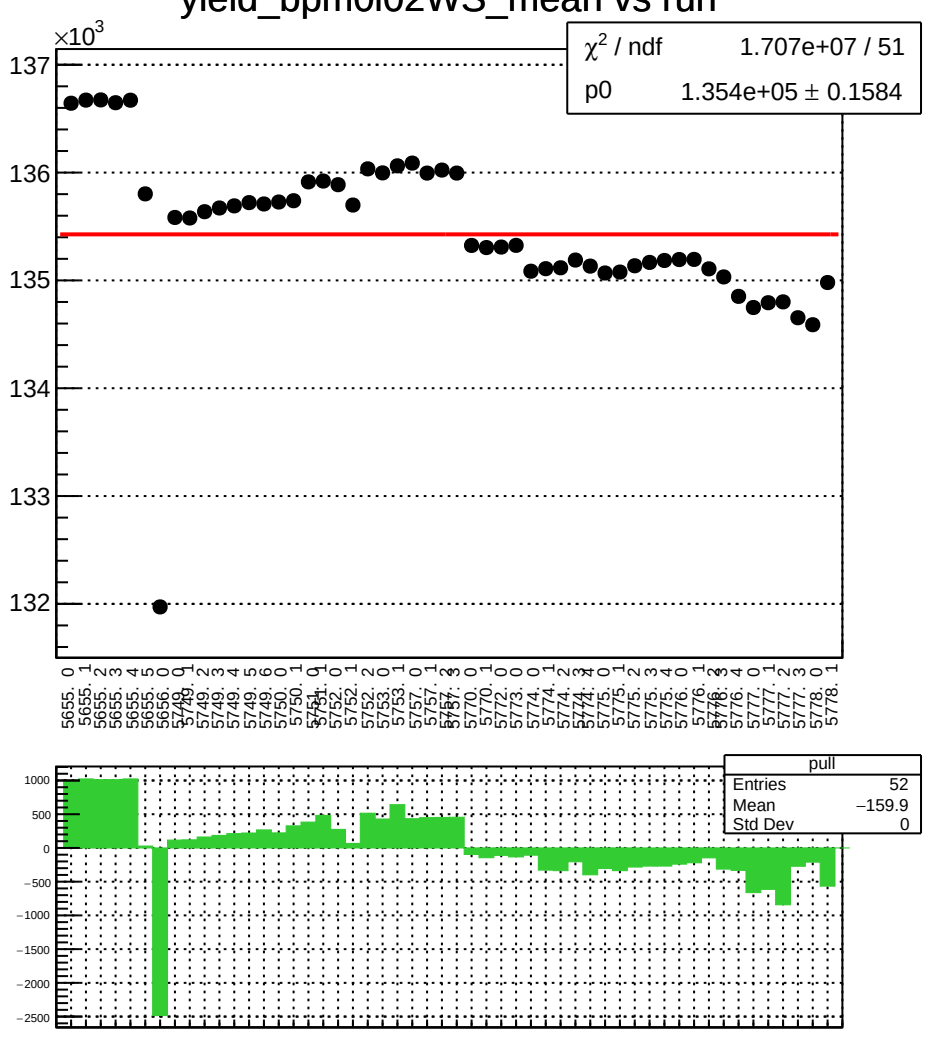

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

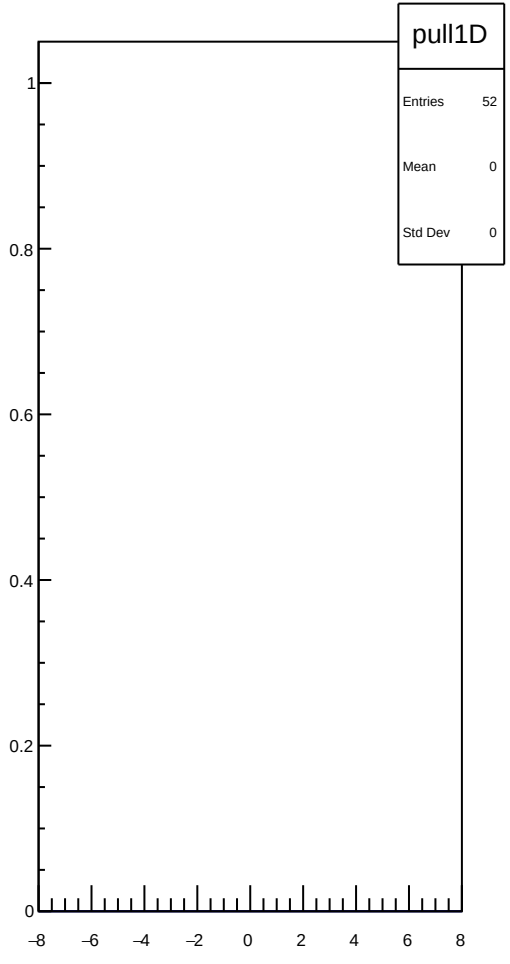

yield_bpm0r03WS_rms vs run
χ² / ndf 8.606e+04 / 51
p0 304.7 ± 0.3031
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

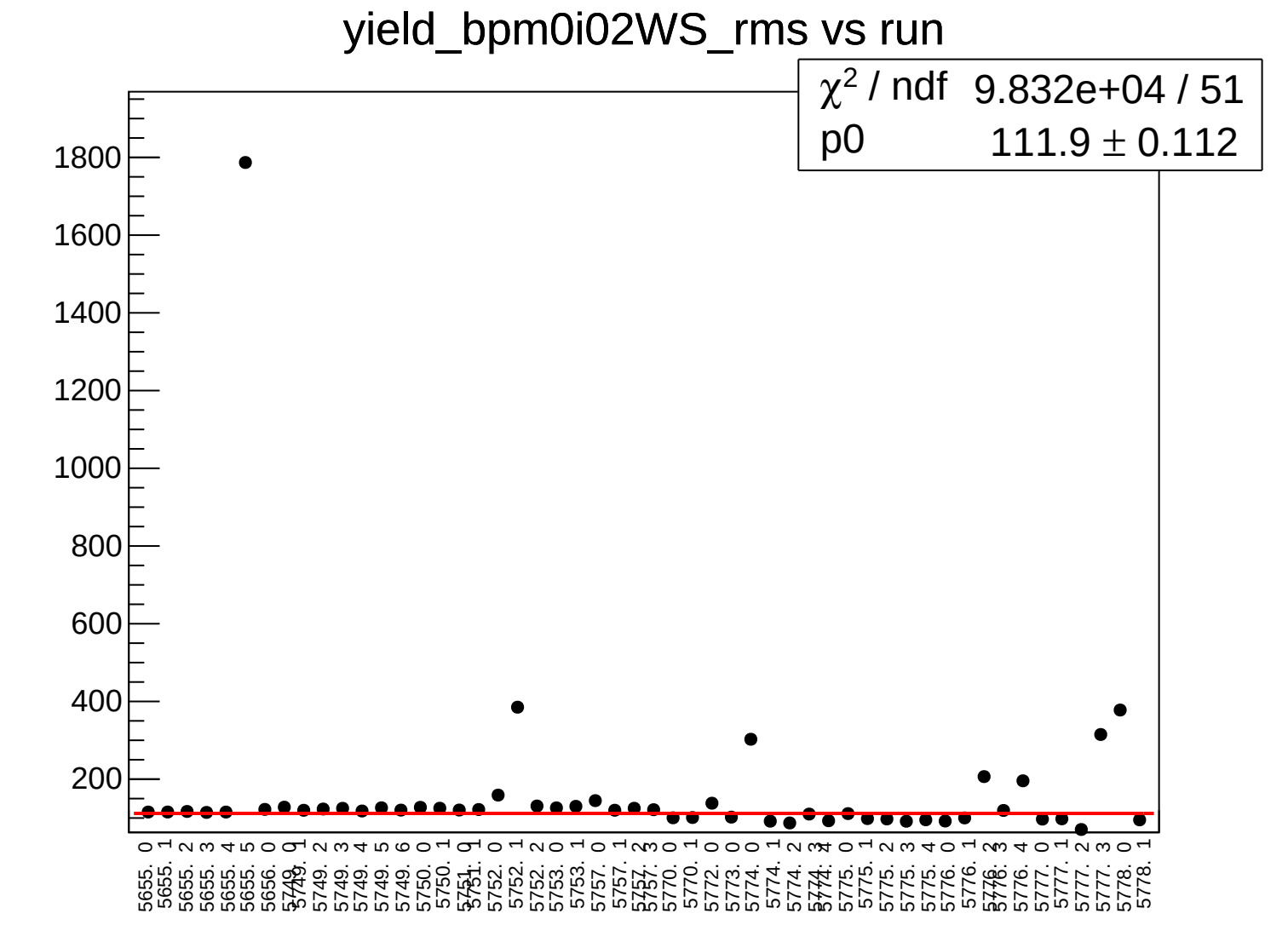

yield_bpm0r05WS_mean vs run
×10^3
χ² / ndf 1.44e+06 / 51
p0 1.357e+05 ± 0.2592
137
136
135
134
133
132
pull
Entries 52
Mean −146.2
Std Dev 0
200
0
−200
−400
−600
−800


pull1D
Entries 52
Mean −0.359
Std Dev 2.313
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 1.117e+05 / 51
p0 181.9 ± 0.1833
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


yield_bpm0i02WS_mean vs run
×10^3
χ^2 / ndf 1.707e+07 / 51
p0 1.354e+05 ± 0.1584
137
136
135
134
133
132
pull
Entries 52
Mean −159.9
Std Dev 0
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


yield_bpm0i02WS_rms vs run
χ² / ndf 9.832e+04 / 51
p0 111.9 ± 0.112
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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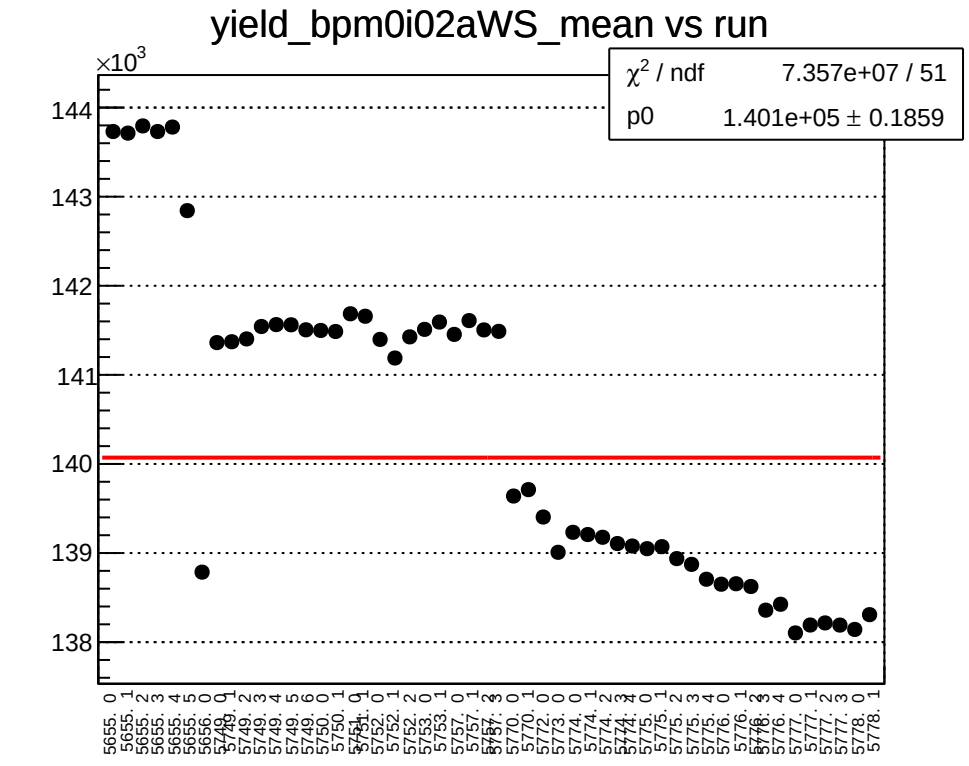
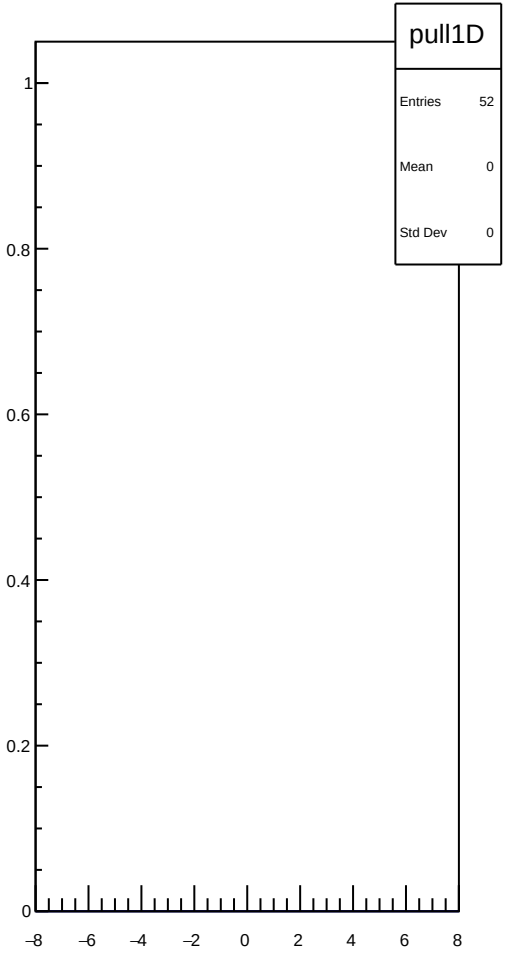
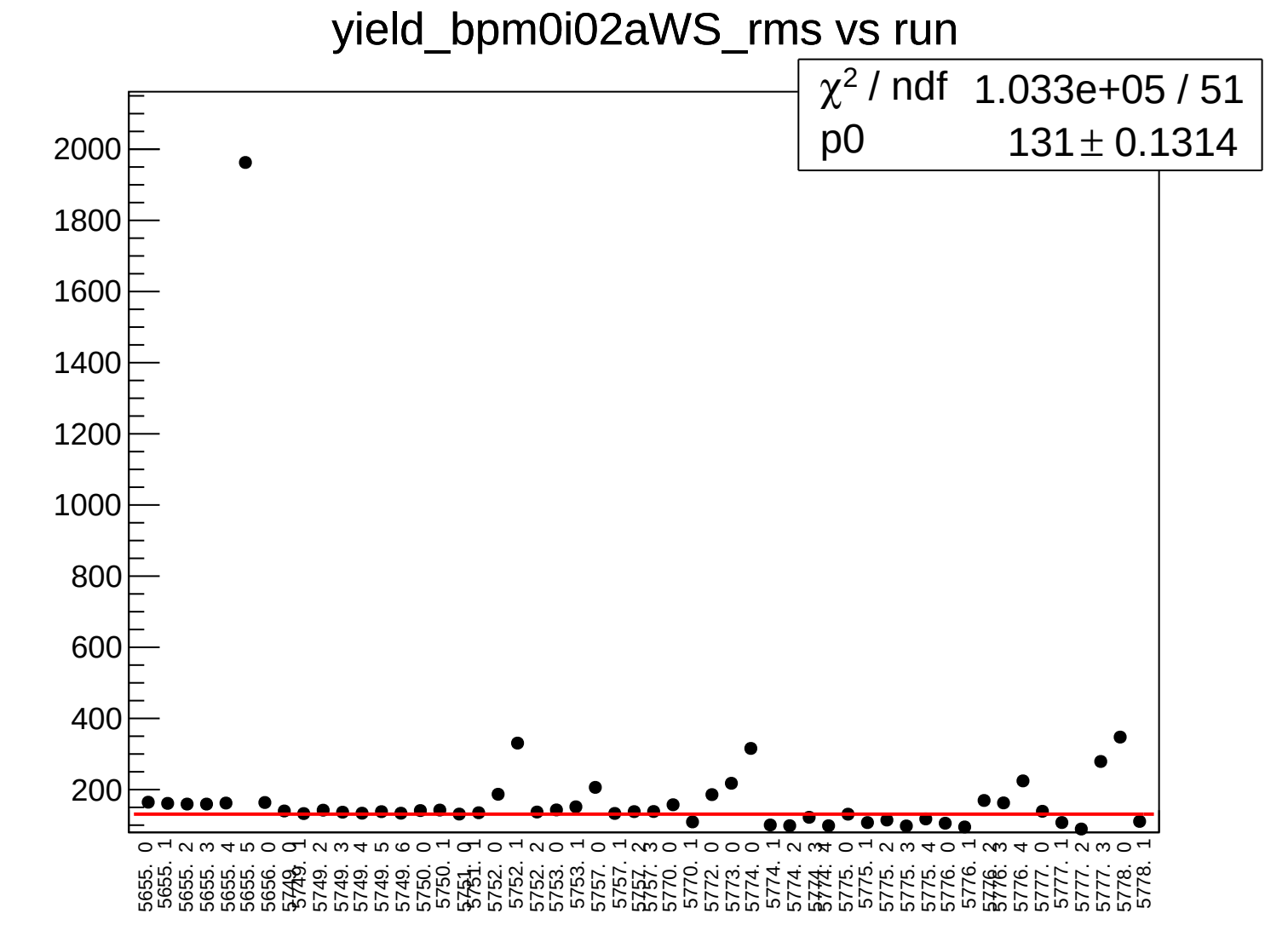
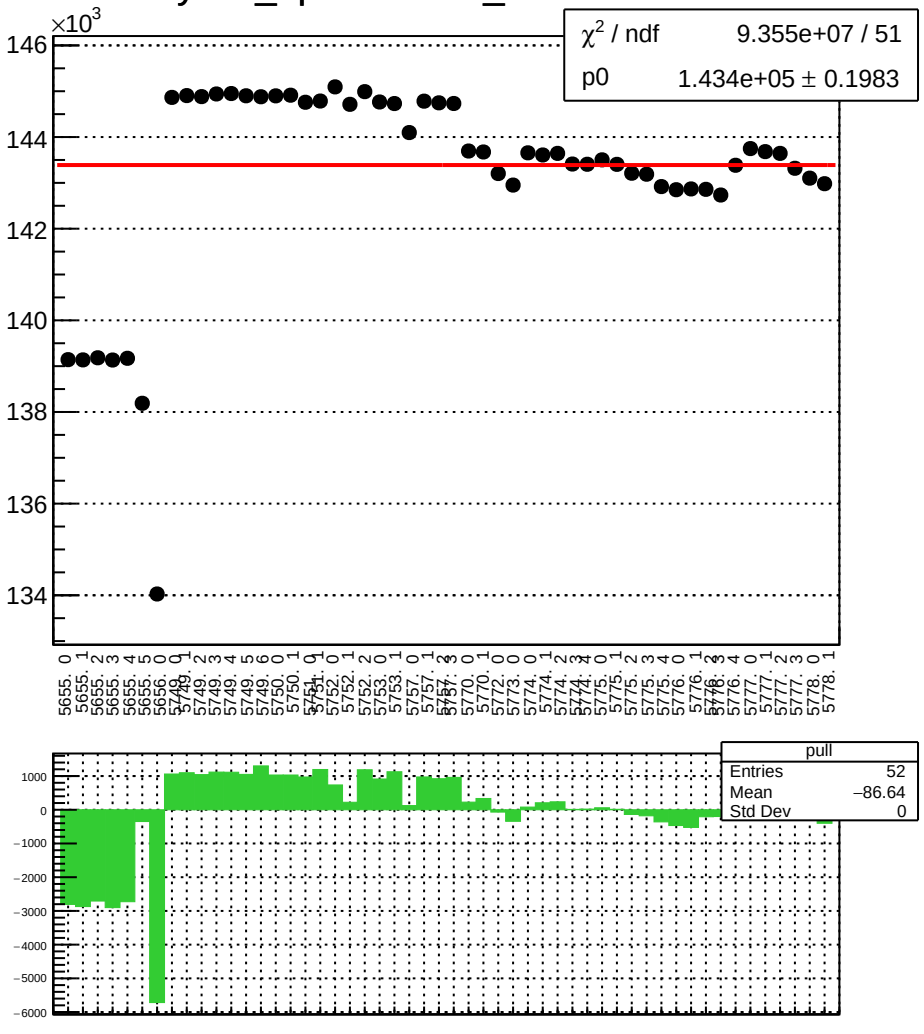
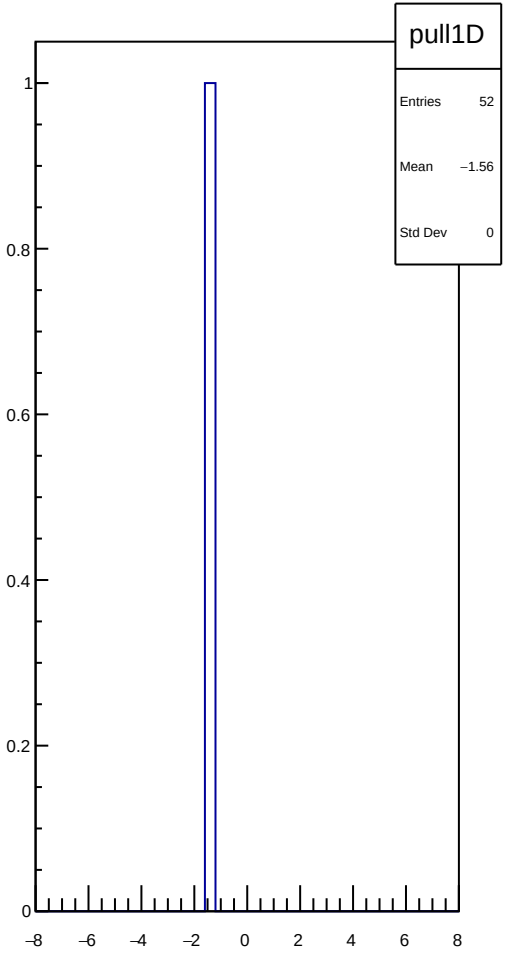
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

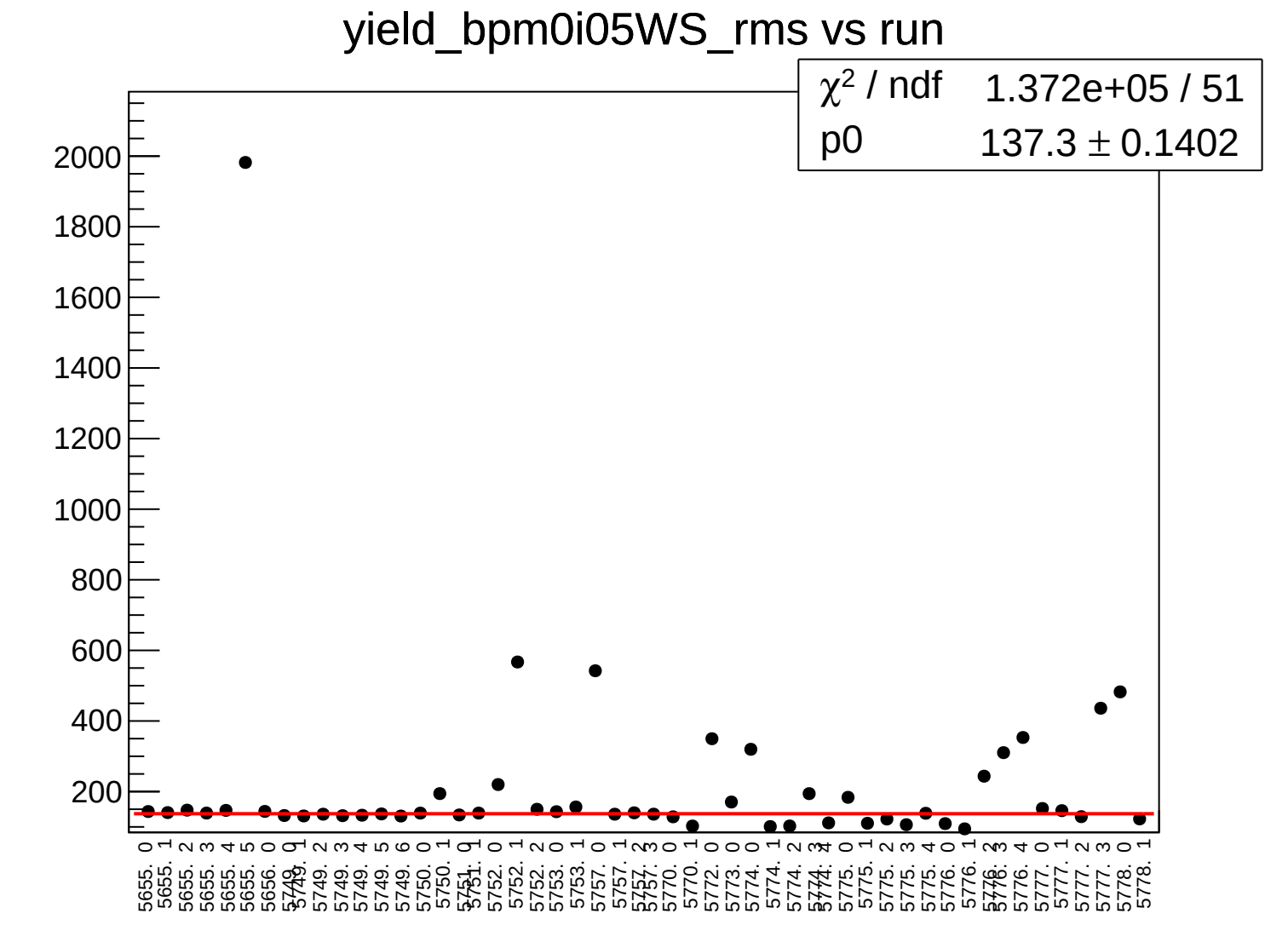

yield_bpm0i02aWS_mean vs run
×10^3
χ² / ndf 7.357e+07 / 51
p0 1.401e+05 ± 0.1859
144
143
142
141
140
139
138
pull
Entries 52
Mean −106.2
Std Dev 0
2000
1500
1000
500
0
−500
−1000
−1500
−2000

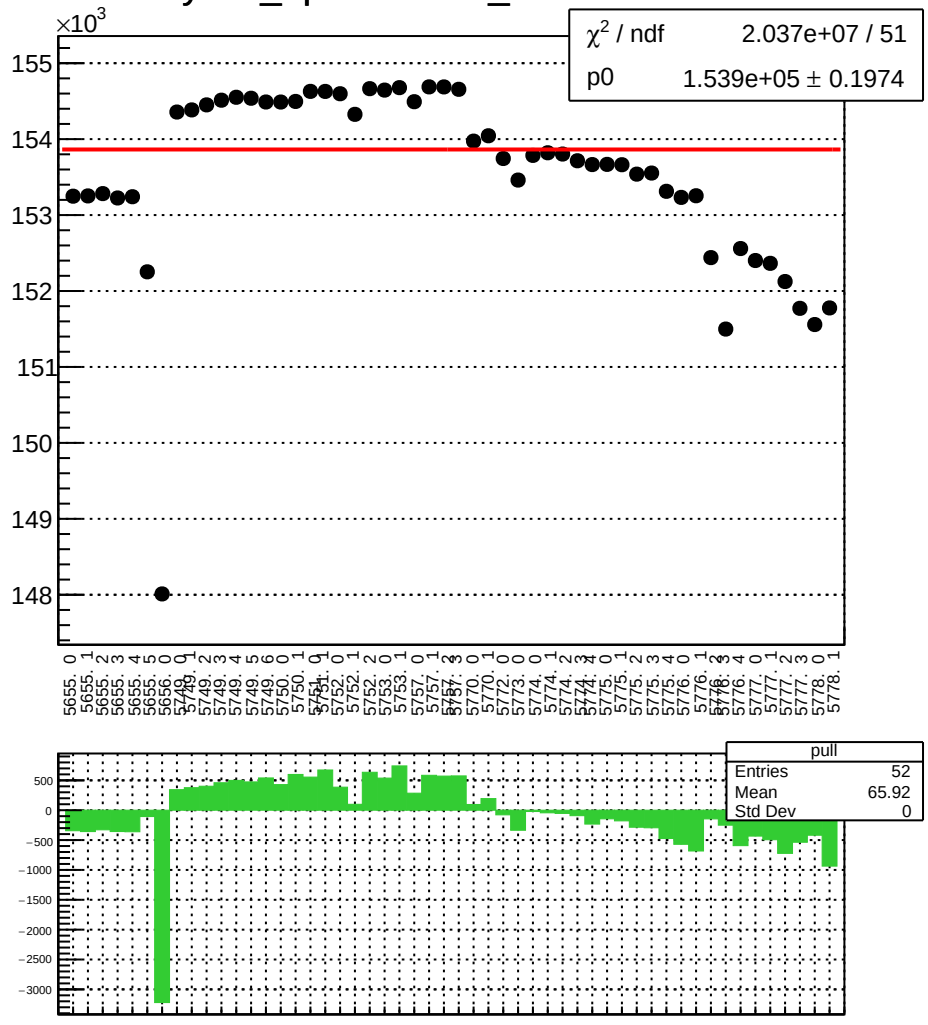

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

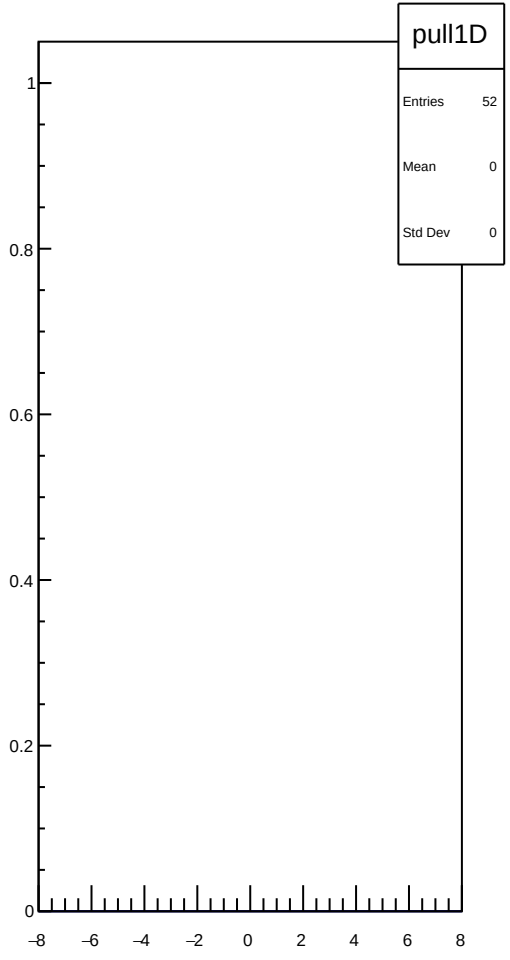

yield_bpm0i02aWS_rms vs run
χ² / ndf 1.033e+05 / 51
p0 131 ± 0.1314
2000
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

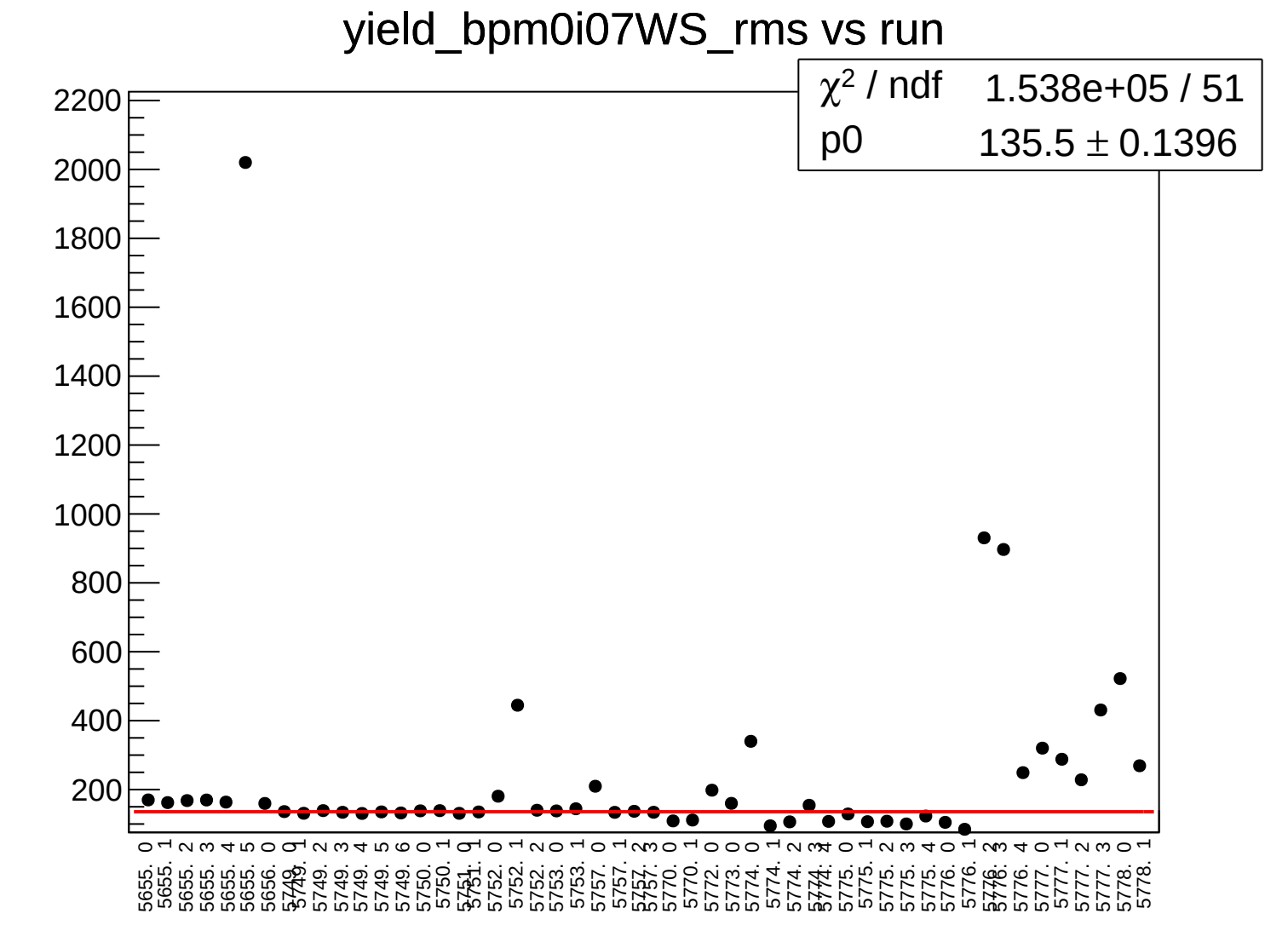

yield_bpm0i05WS_mean vs run
×10^3
χ^2 / ndf 9.355e+07 / 51
p0 1.434e+05 ± 0.1983
146
144
142
140
138
136
134
pull
Entries 52
Mean −86.64
Std Dev 0
1000
0
−1000
−2000
−3000
−4000
−5000
−6000

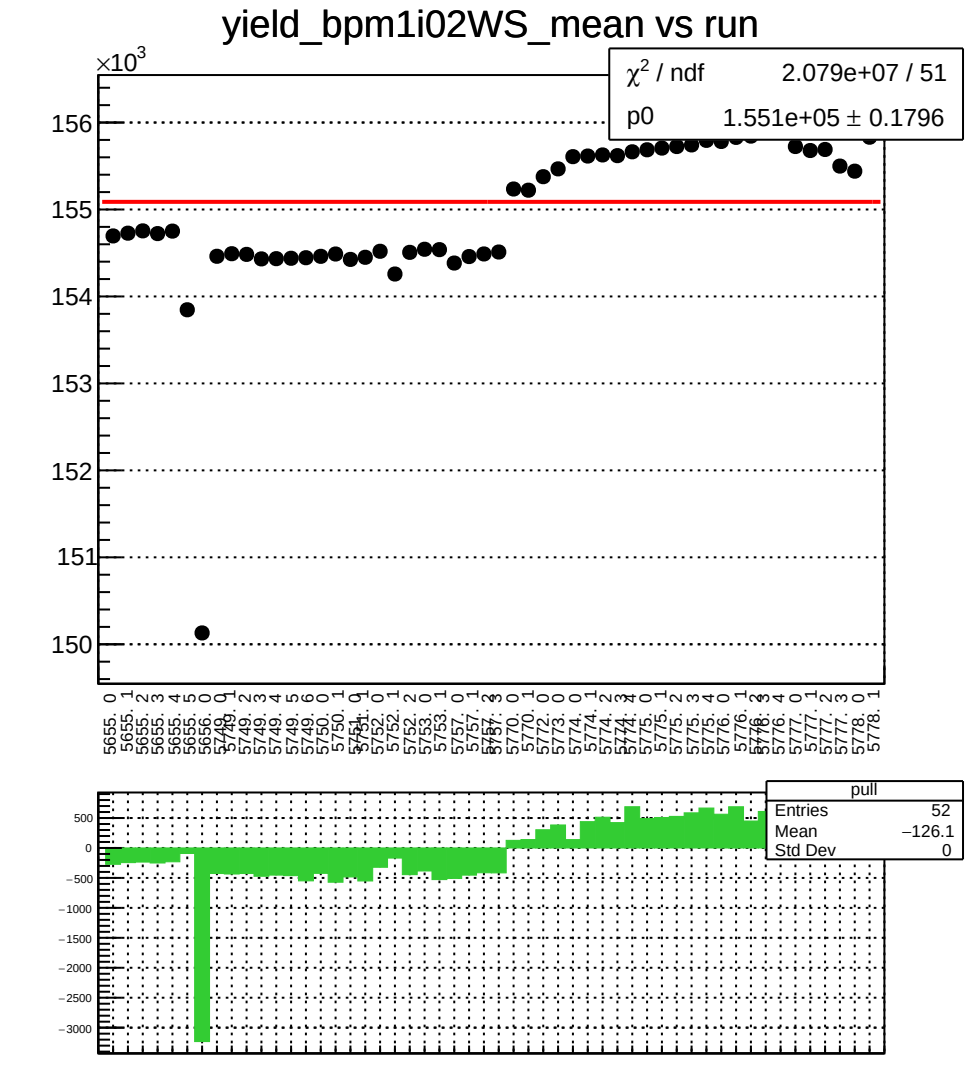

pull1D
Entries 52
Mean −1.56
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

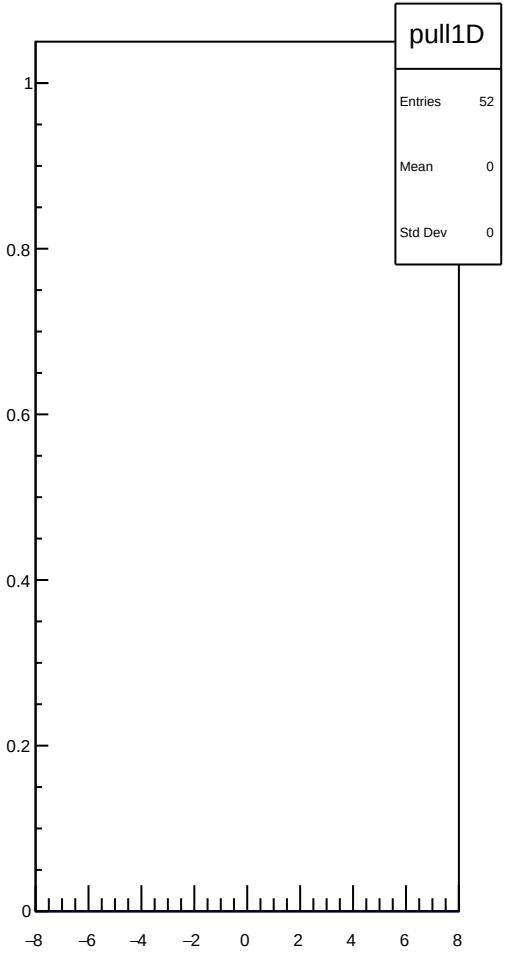

yield_bpm0i05WS_rms vs run
χ² / ndf 1.372e+05 / 51
p0 137.3 ± 0.1402
2000
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

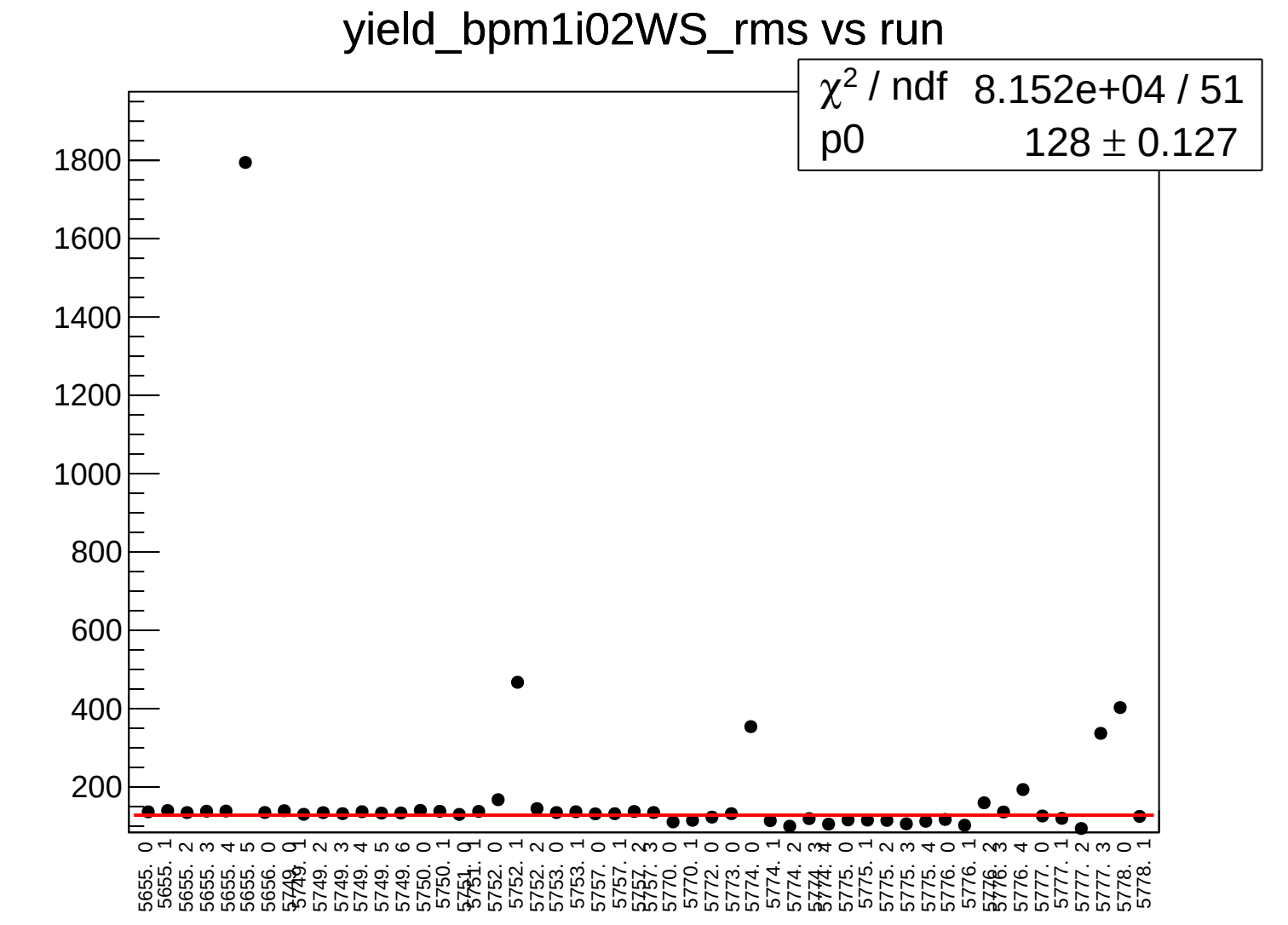

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 2.037e+07 / 51
p0 1.539e+05 ± 0.1974
155
154
153
152
151
150
149
148
pull
Entries 52
Mean 65.92
Std Dev 0
500
0
−500
−1000
−1500
−2000
−2500
−3000

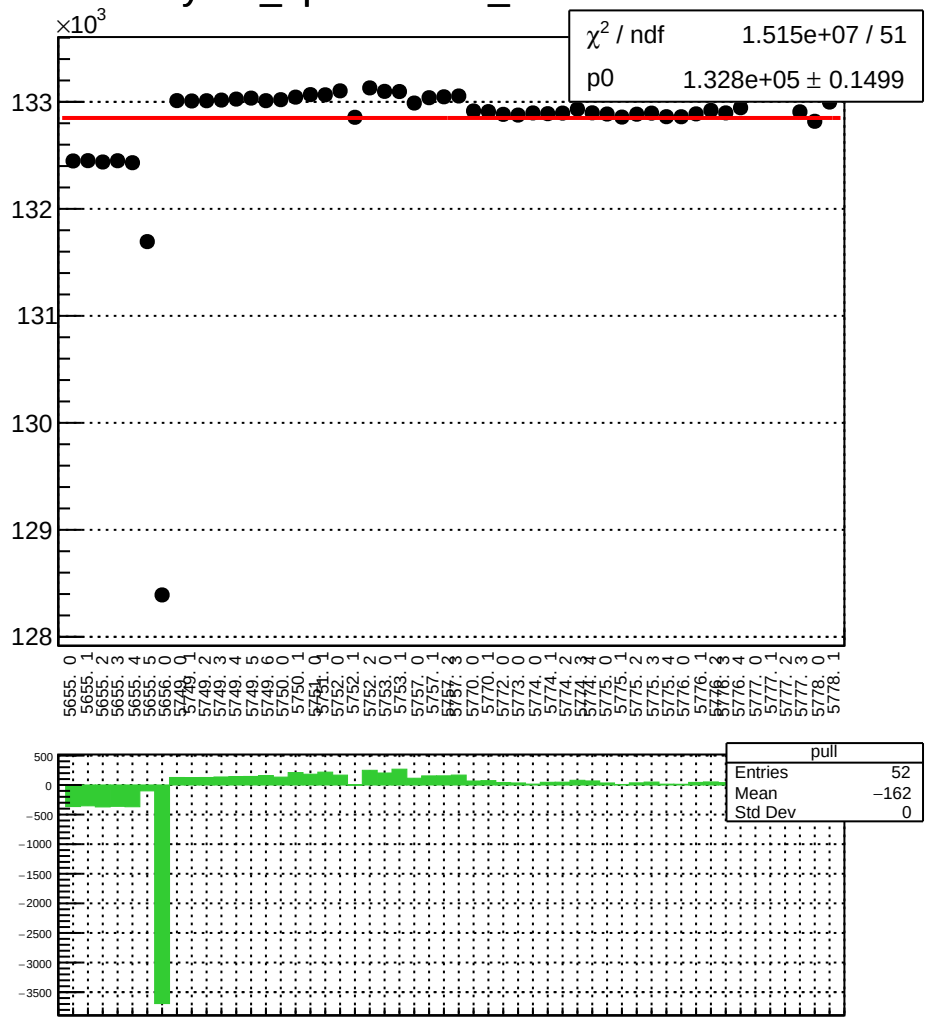

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

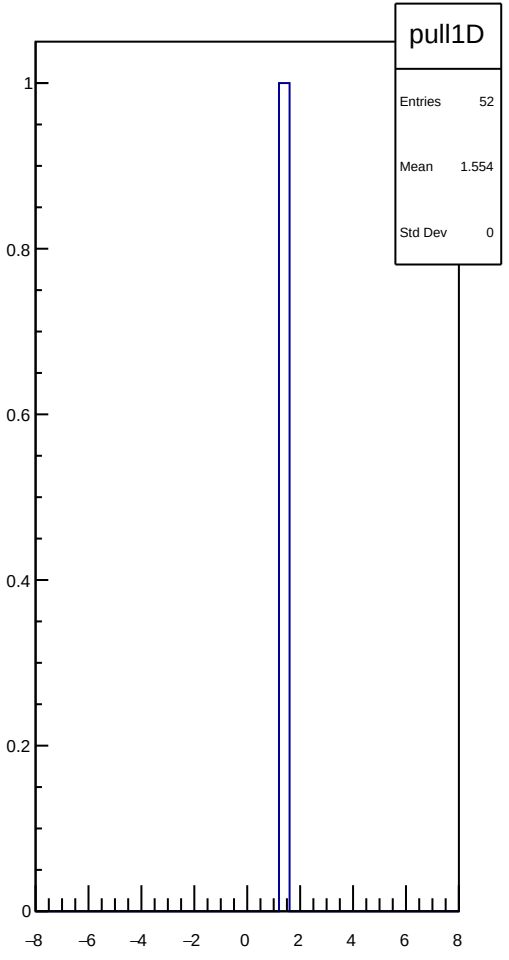

yield_bpm0i07WS_rms vs run
χ^2 / ndf 1.538e+05 / 51
p0 135.5 ± 0.1396
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

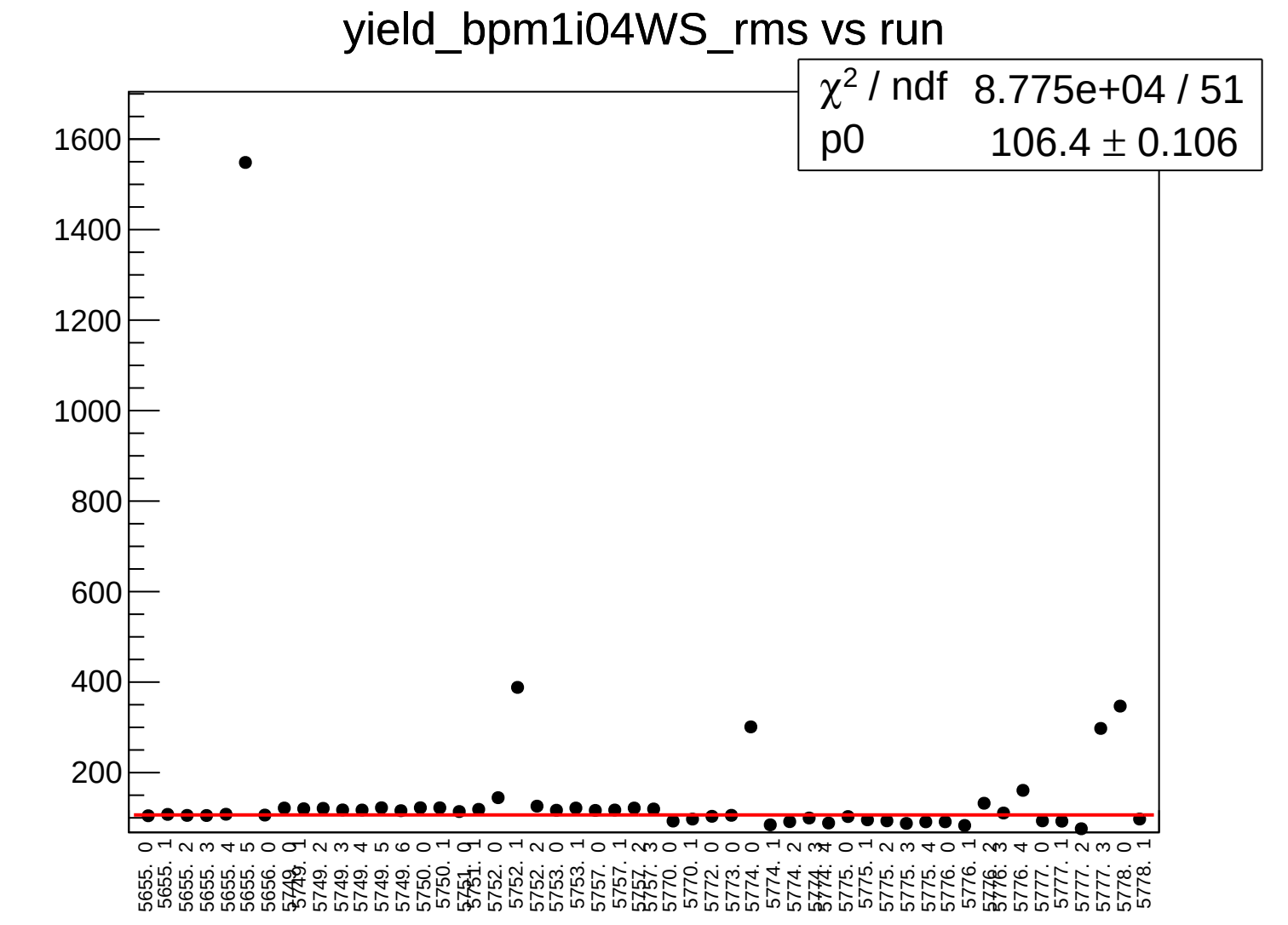

yield_bpm1i02WS_mean vs run
×10^3
χ^2 / ndf 2.079e+07 / 51
p0 1.551e+05 ± 0.1796
156
155
154
153
152
151
150
pull
Entries 52
Mean −126.1
Std Dev 0
500
0
−500
−1000
−1500
−2000
−2500
−3000

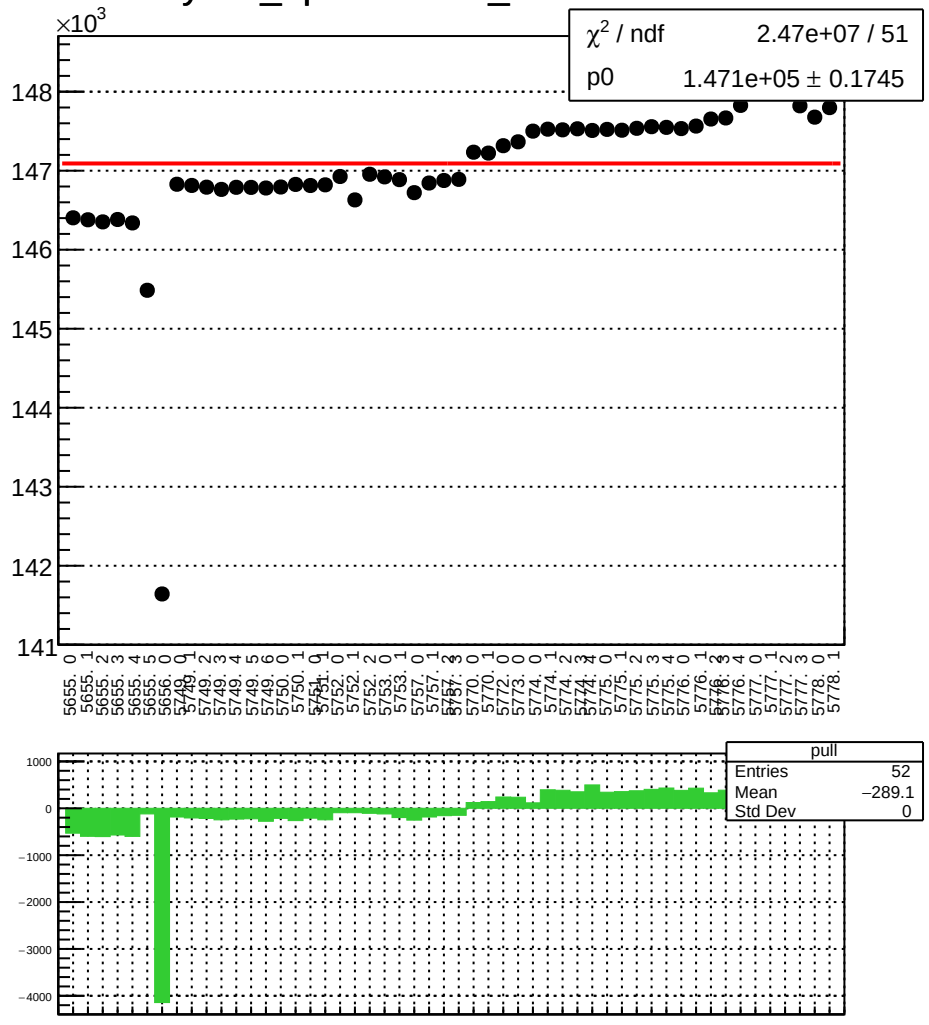

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

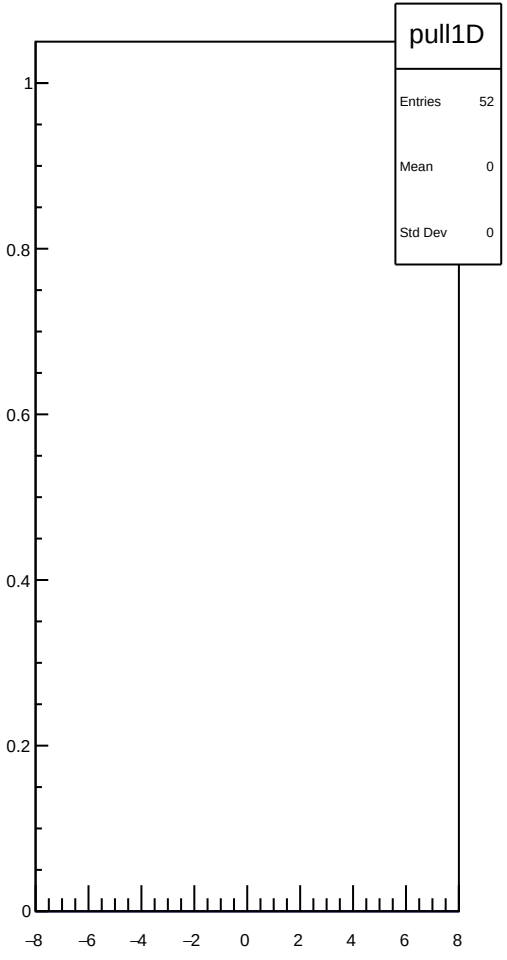

yield_bpm1i02WS_rms vs run
χ² / ndf 8.152e+04 / 51
p0 128 ± 0.127
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

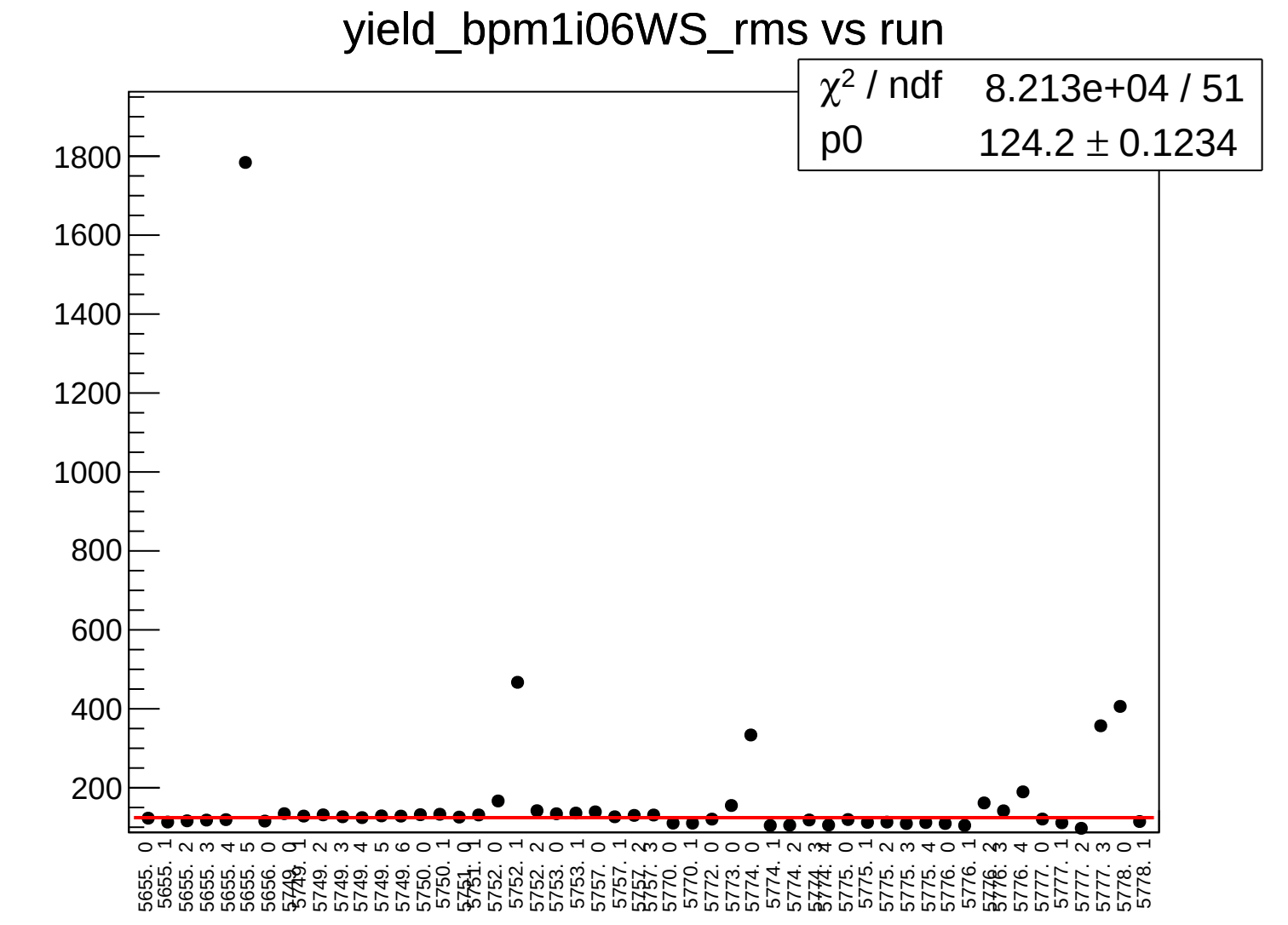

yield_bpm1i04WS_mean vs run
×10^3
χ² / ndf 1.515e+07 / 51
p0 1.328e+05 ± 0.1499
133
132
131
130
129
128
pull
Entries 52
Mean −162
Std Dev 0
500
0
−500
−1000
−1500
−2000
−2500
−3000
−3500

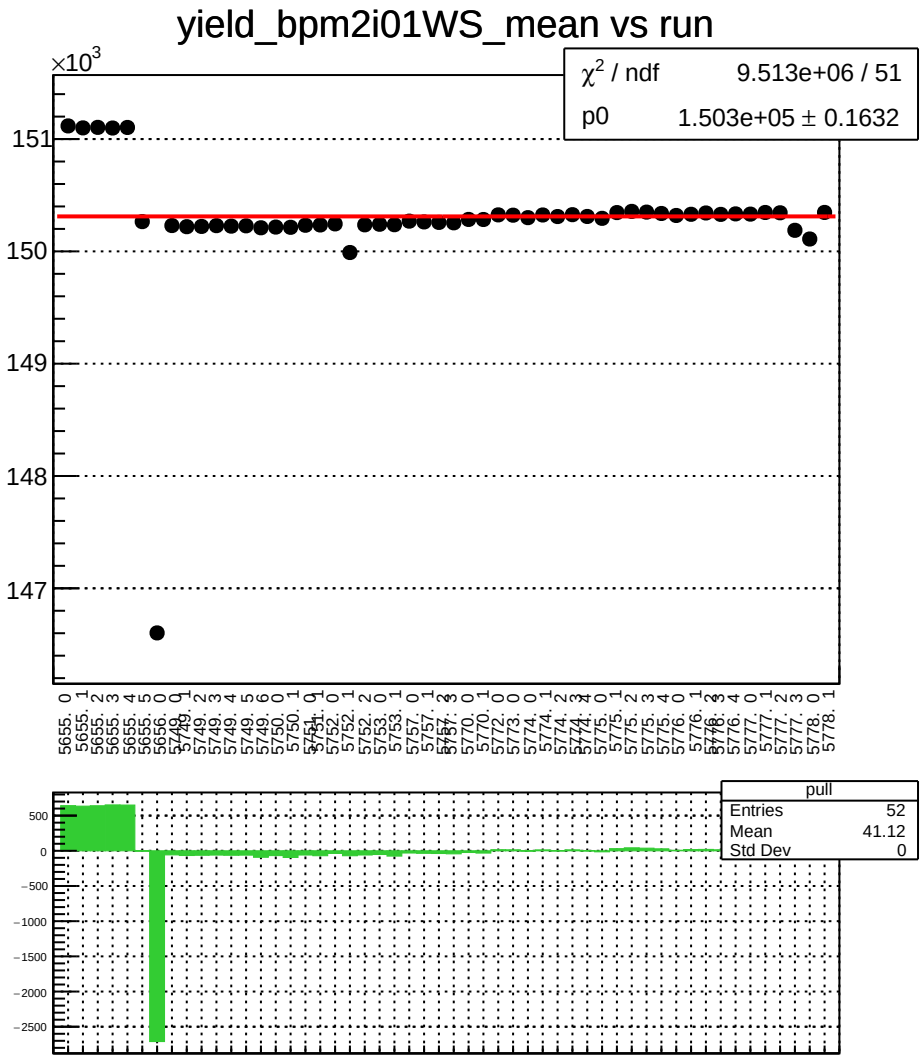

pull1D
Entries 52
Mean 1.554
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

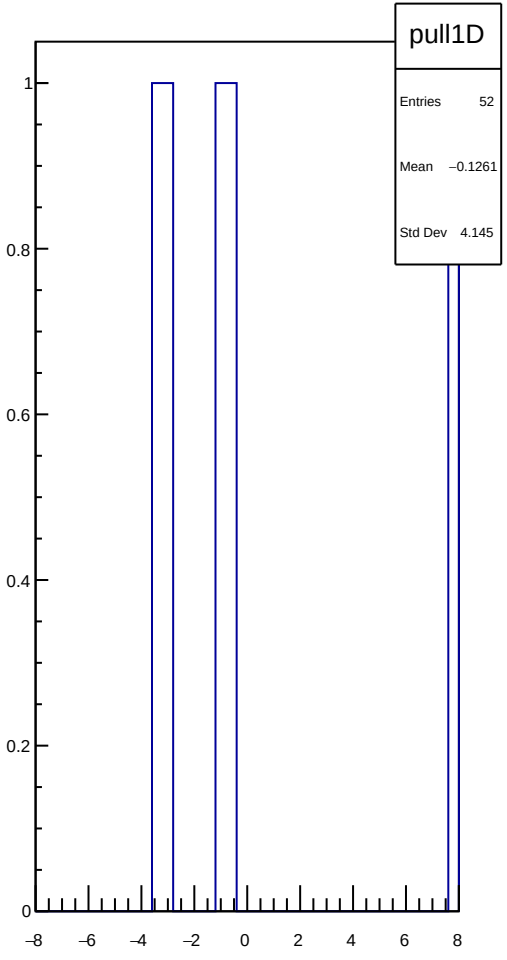

yield_bpm1i04WS_rms vs run
χ² / ndf 8.775e+04 / 51
p0 106.4 ± 0.106
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

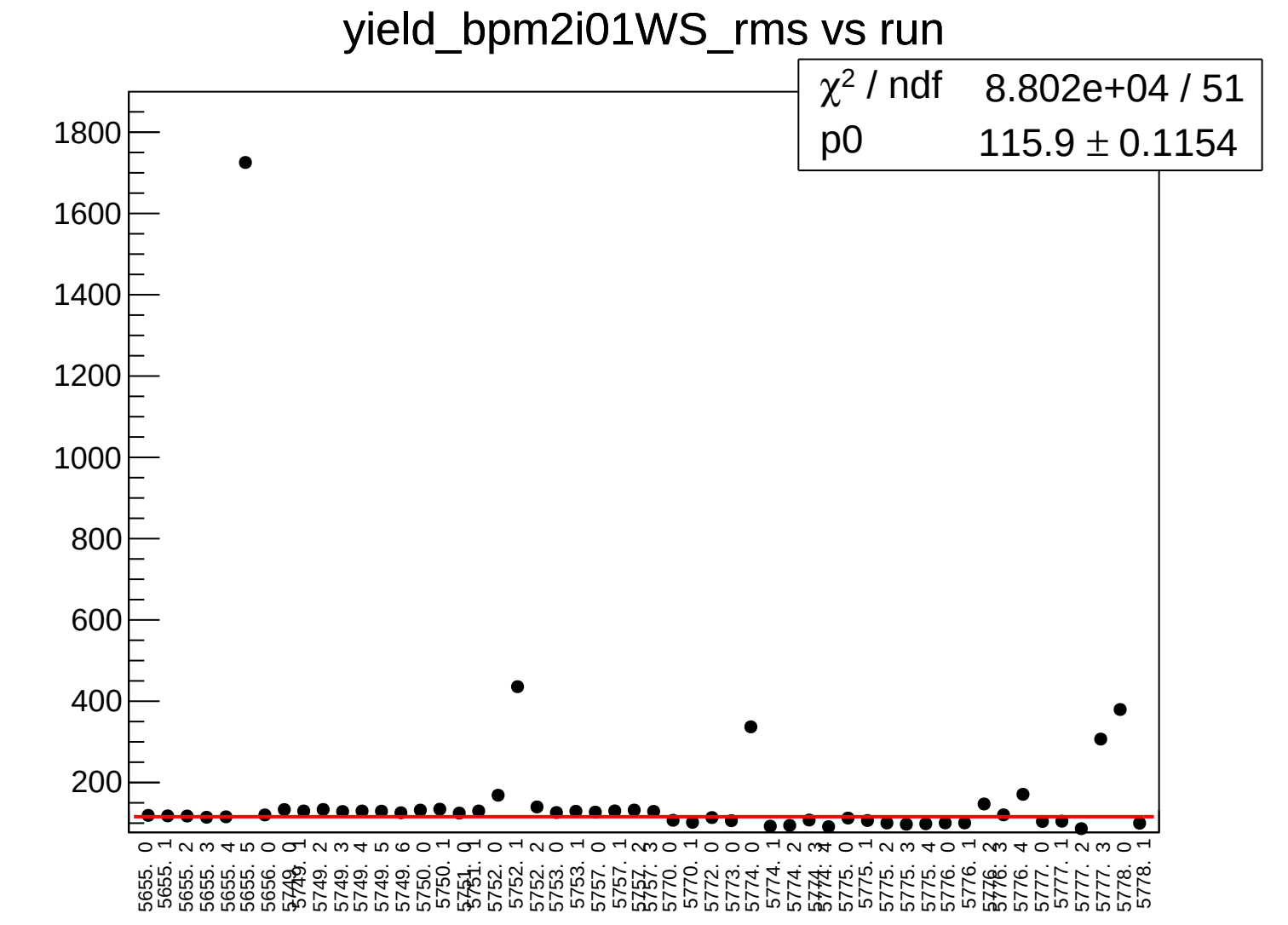

yield_bpm1i06WS_mean vs run
×10^3
χ^2 / ndf 2.47e+07 / 51
p0 1.471e+05 ± 0.1745
148
147
146
145
144
143
142
141
pull
Entries 52
Mean −289.1
Std Dev 0
1000
0
−1000
−2000
−3000
−4000

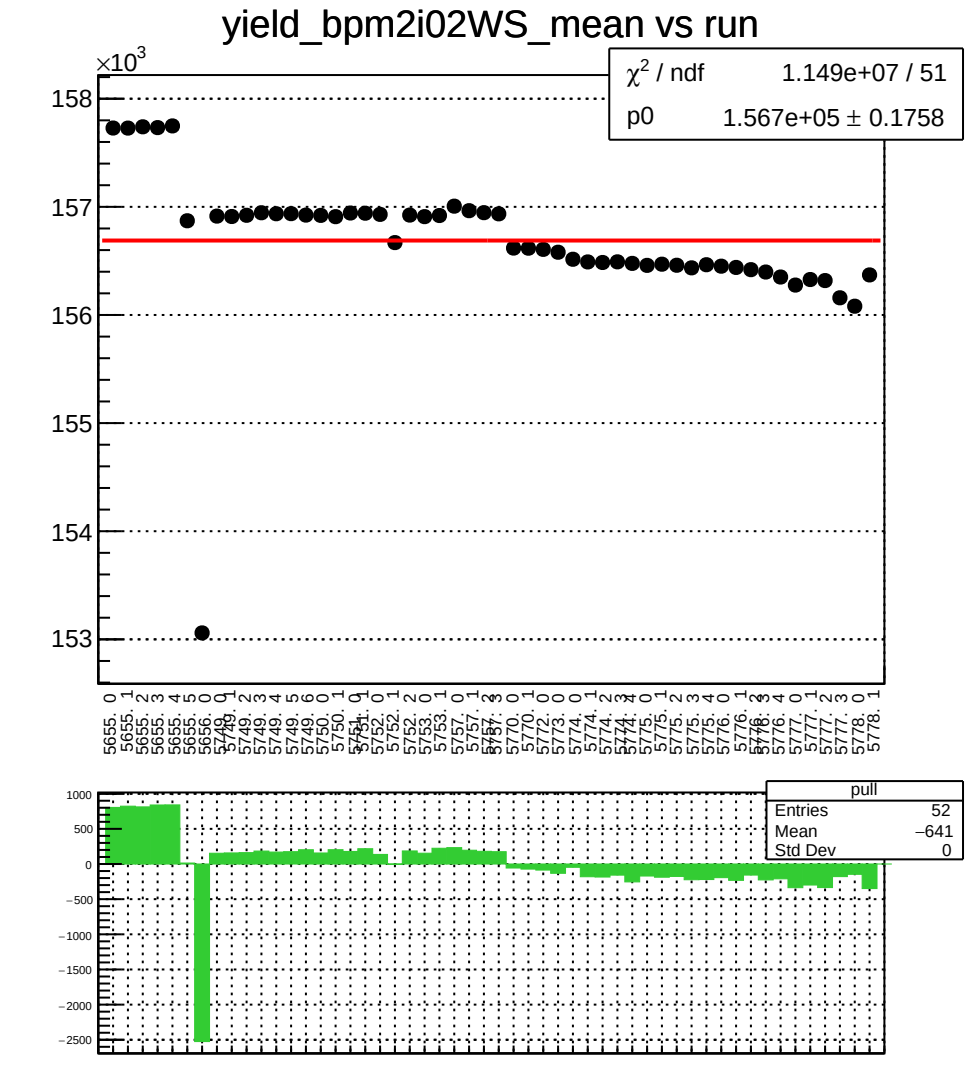

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

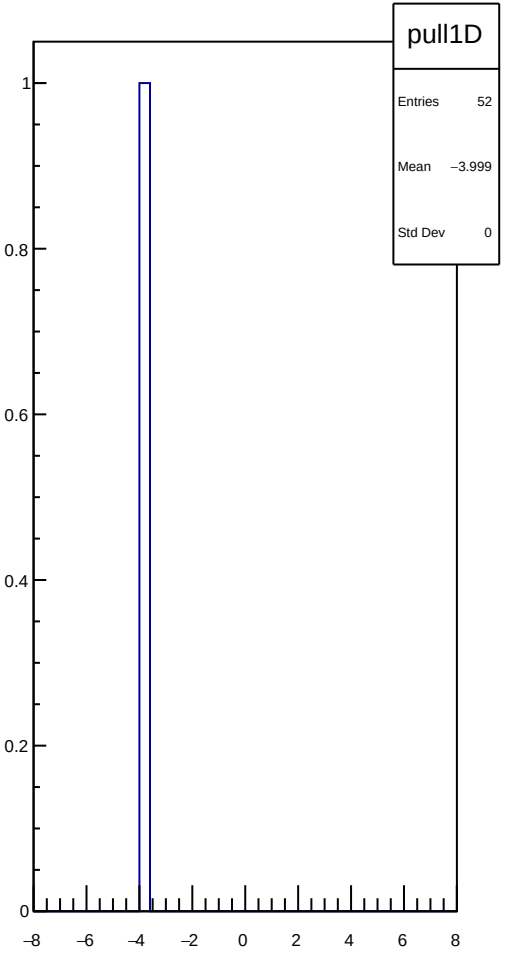

yield_bpm1i06WS_rms vs run
χ² / ndf 8.213e+04 / 51
p0 124.2 ± 0.1234
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

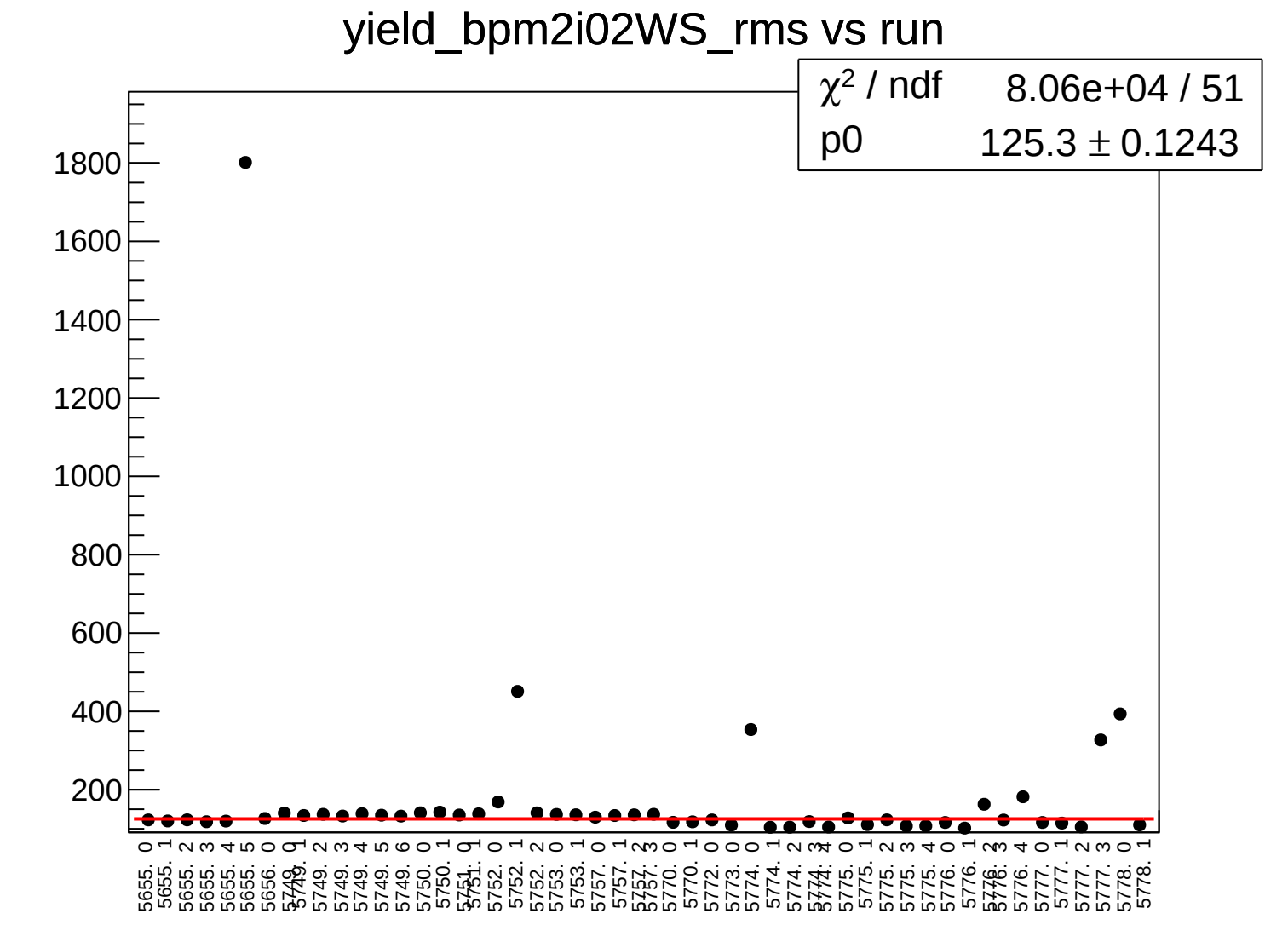

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 9.513e+06 / 51
p0 1.503e+05 ± 0.1632
151
150
149
148
147
pull
Entries 52
Mean 41.12
Std Dev 0
500
0
−500
−1000
−1500
−2000
−2500

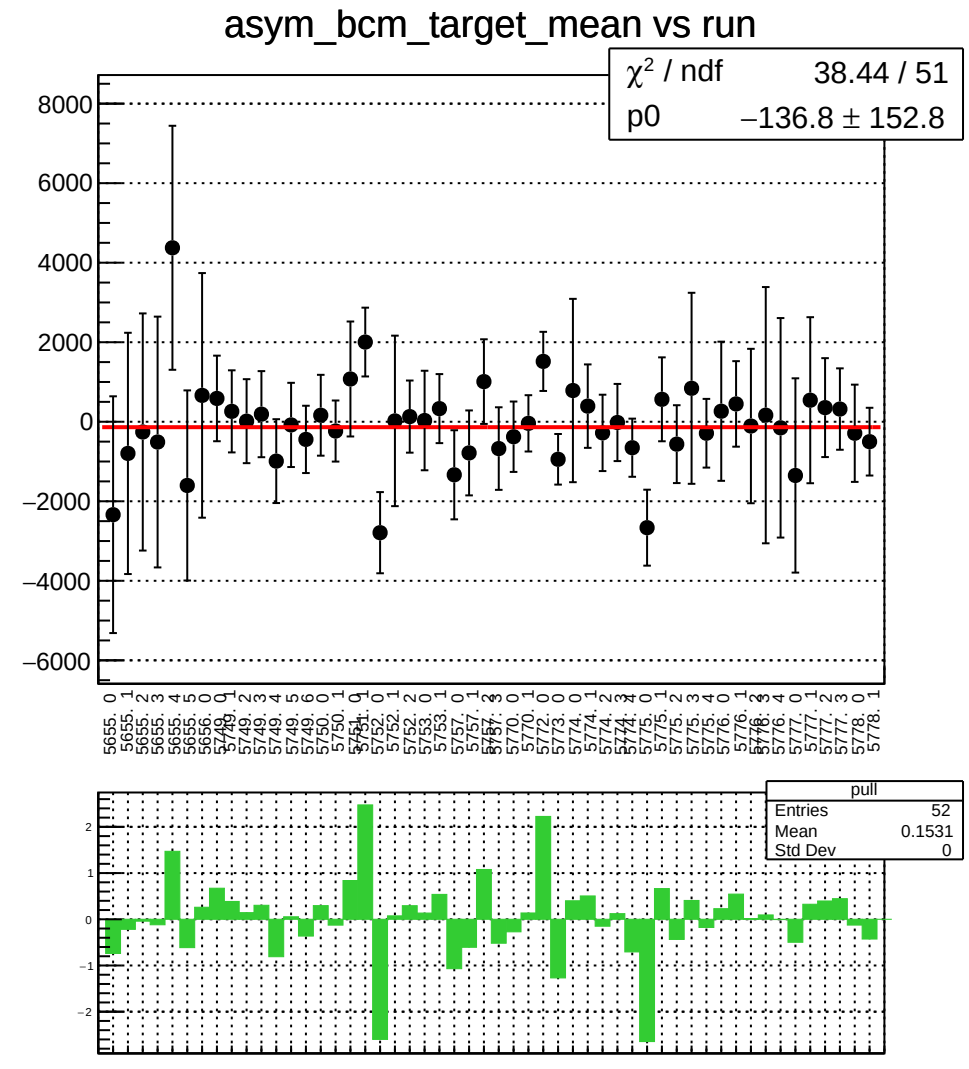

pull1D
Entries 52
Mean −0.1261
Std Dev 4.145
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

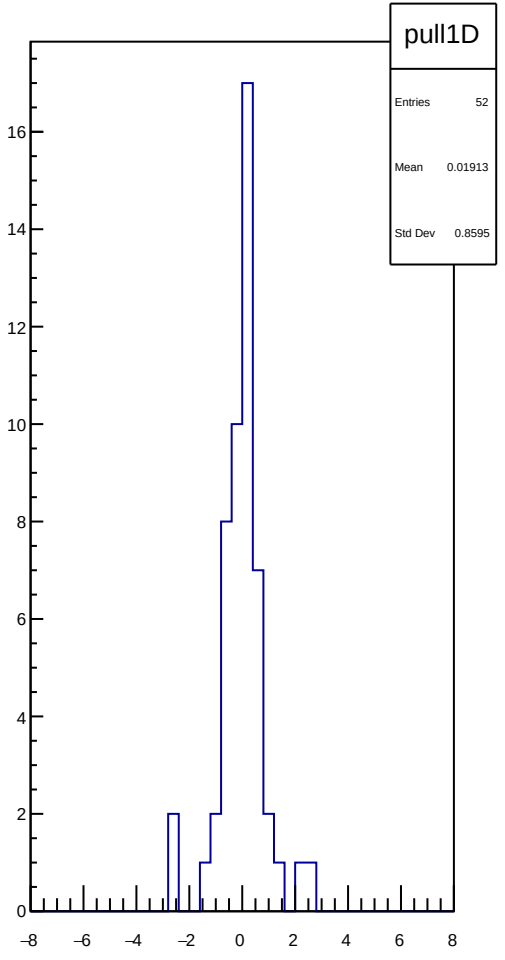

yield_bpm2i01WS_rms vs run
χ² / ndf 8.802e+04 / 51
p0 115.9 ± 0.1154
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

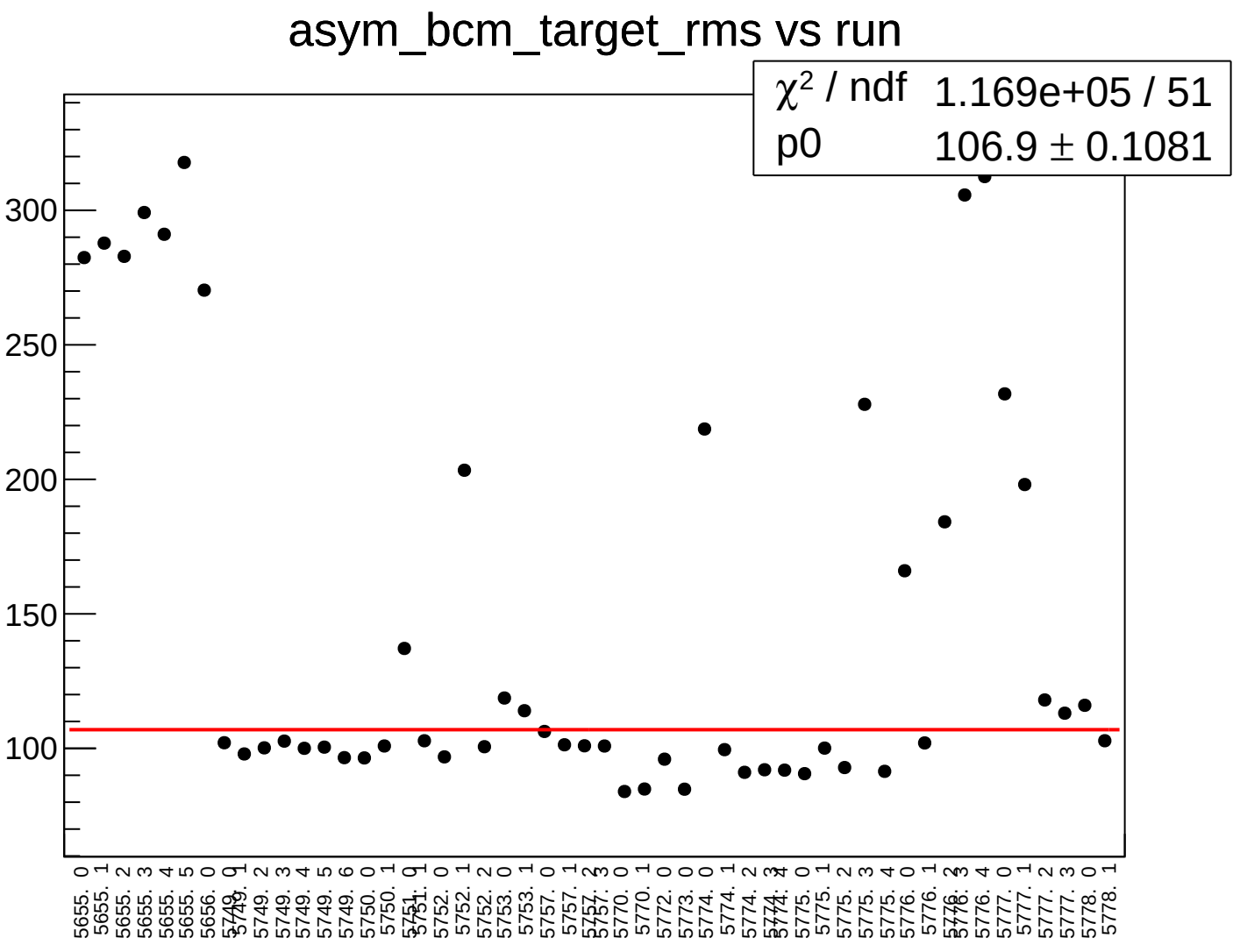

yield_bpm2i02WS_mean vs run
×10^3
χ^2 / ndf 1.149e+07 / 51
p0 1.567e+05 ± 0.1758
158
157
156
155
154
153
pull
Entries 52
Mean −641
Std Dev 0
1000
500
0
−500
−1000
−1500
−2000
−2500

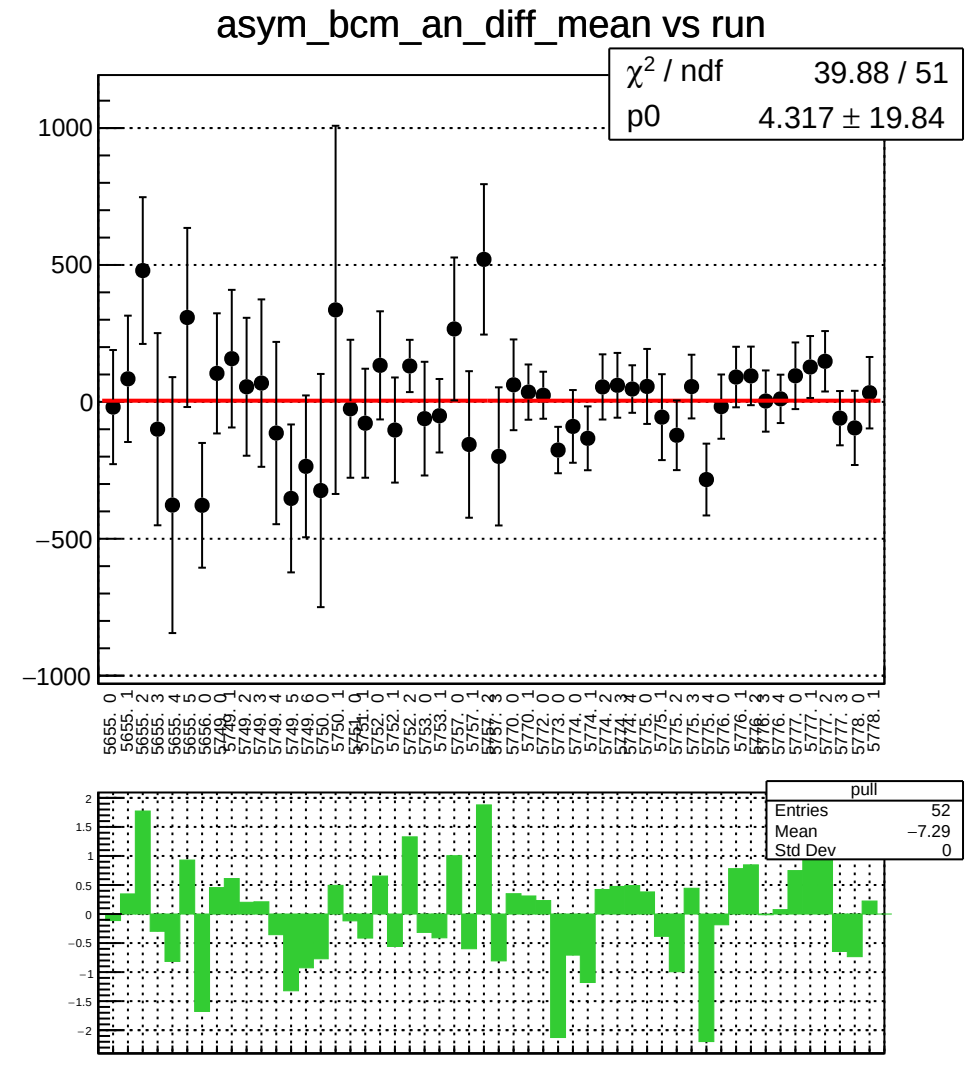

pull1D
Entries 52
Mean −3.999
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

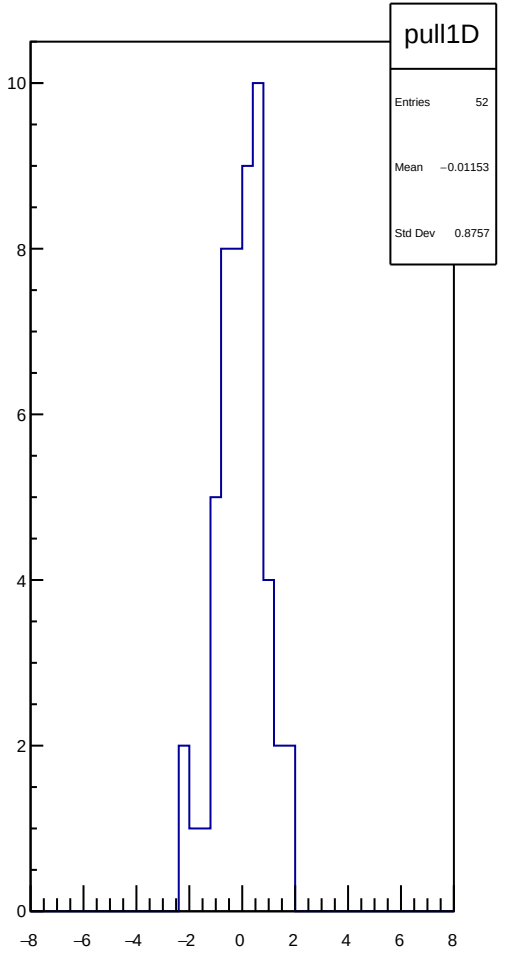

yield_bpm2i02WS_rms vs run
χ² / ndf 8.06e+04 / 51
p0 125.3 ± 0.1243
1800
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

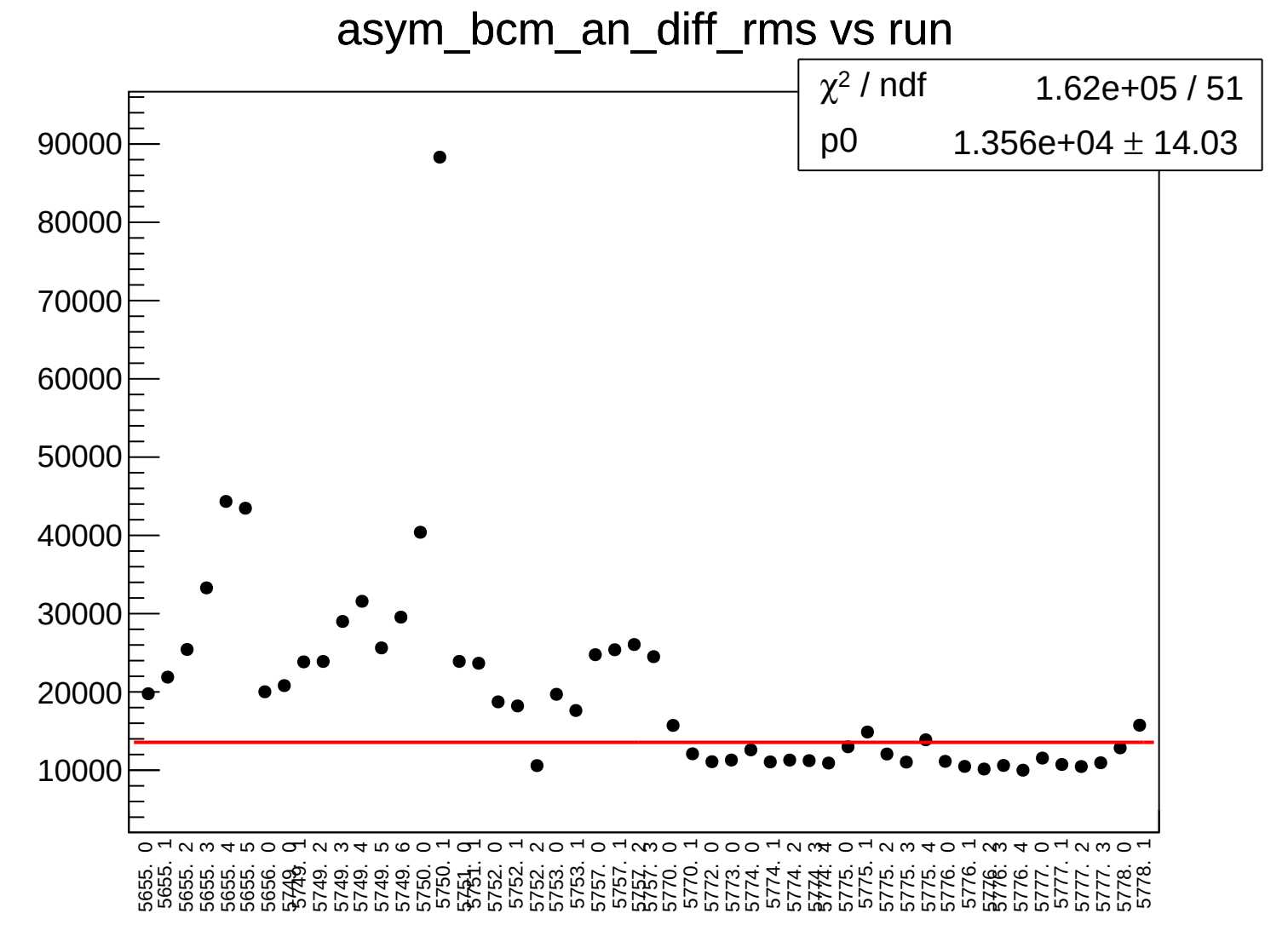

asym_bcm_target_mean vs run
χ² / ndf 38.44 / 51
p0 −136.8 ± 152.8
pull
Entries 52
Mean 0.1531
Std Dev 0

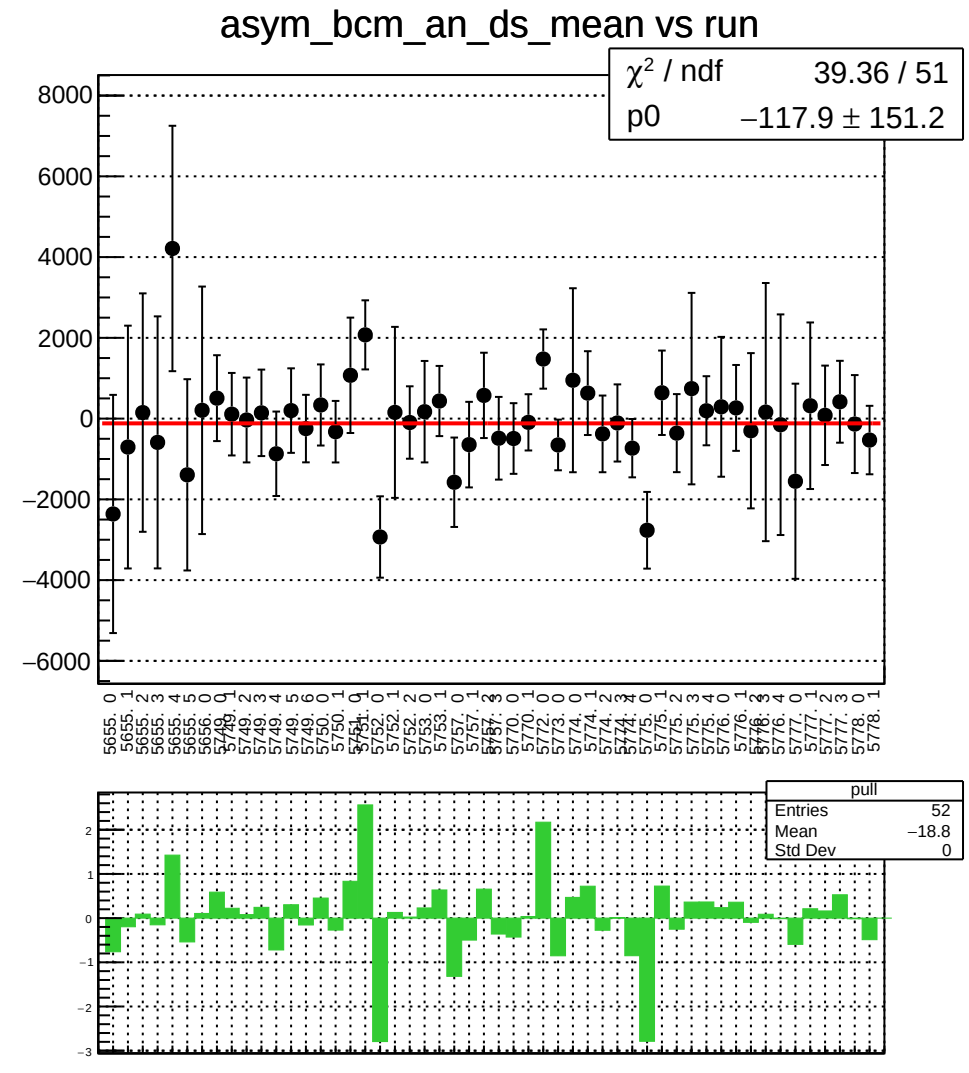

pull1D
Entries 52
Mean 0.01913
Std Dev 0.8595

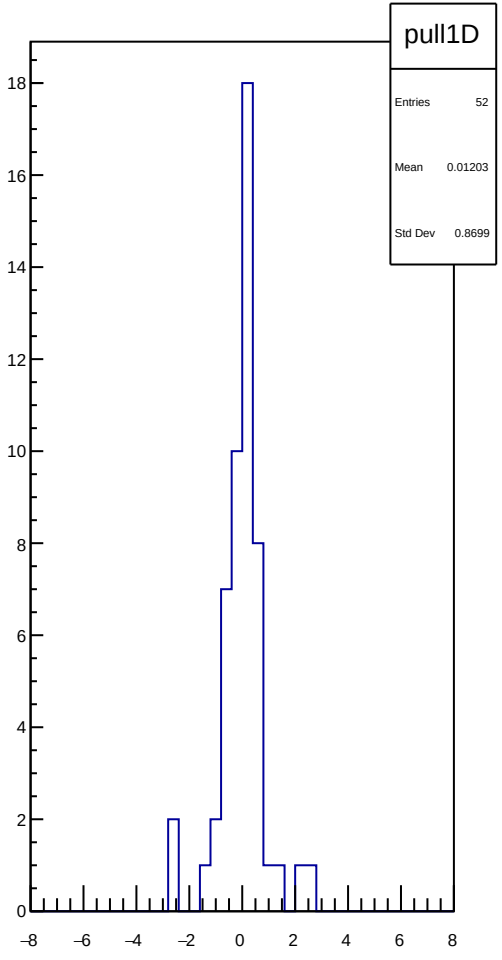

asym_bcm_target_rms vs run
χ² / ndf 1.169e+05 / 51
p0 106.9 ± 0.1081
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

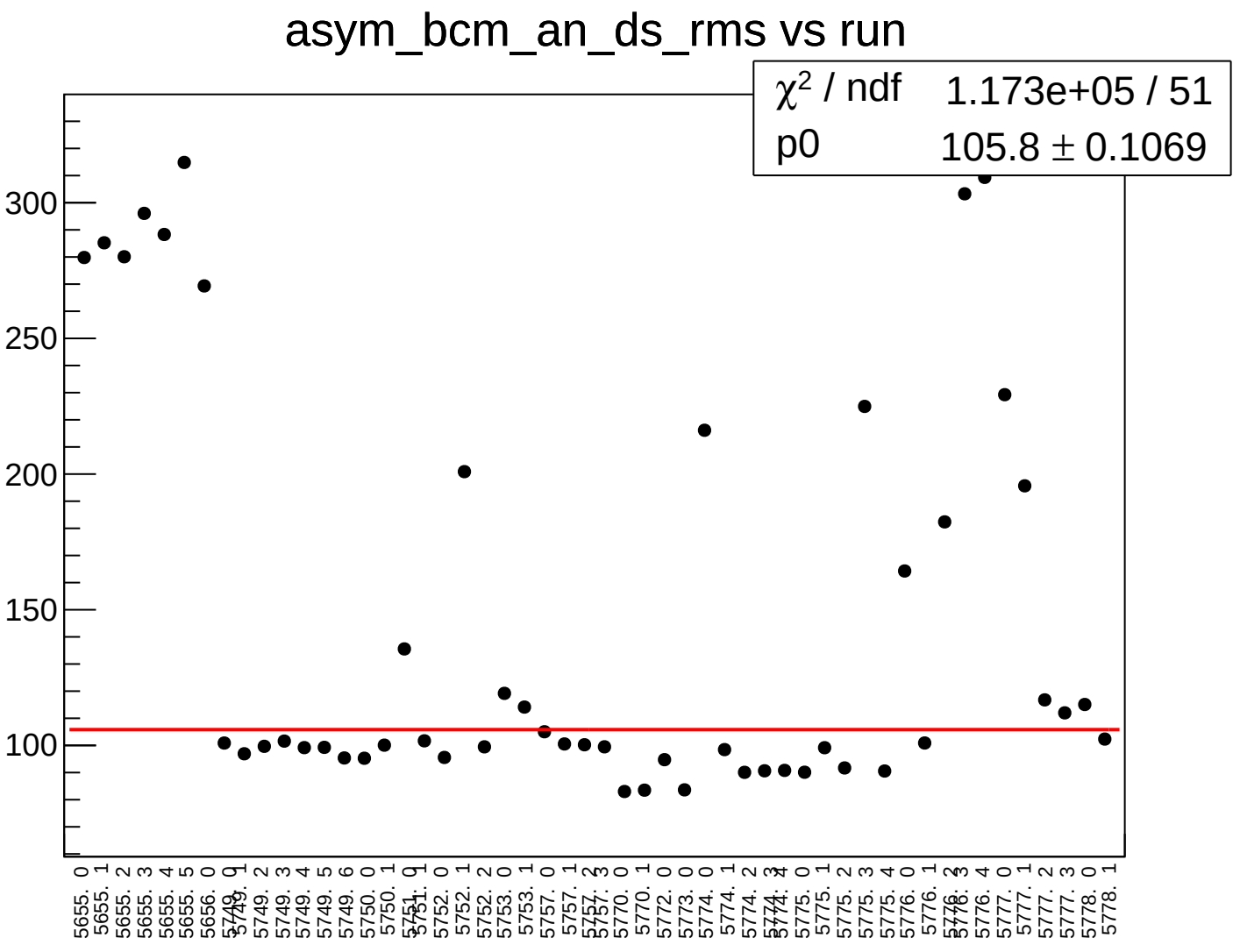

asym_bcm_an_diff_mean vs run
χ² / ndf 39.88 / 51
p0 4.317 ± 19.84
1000
500
0
−500
−1000
pull
Entries 52
Mean −7.29
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

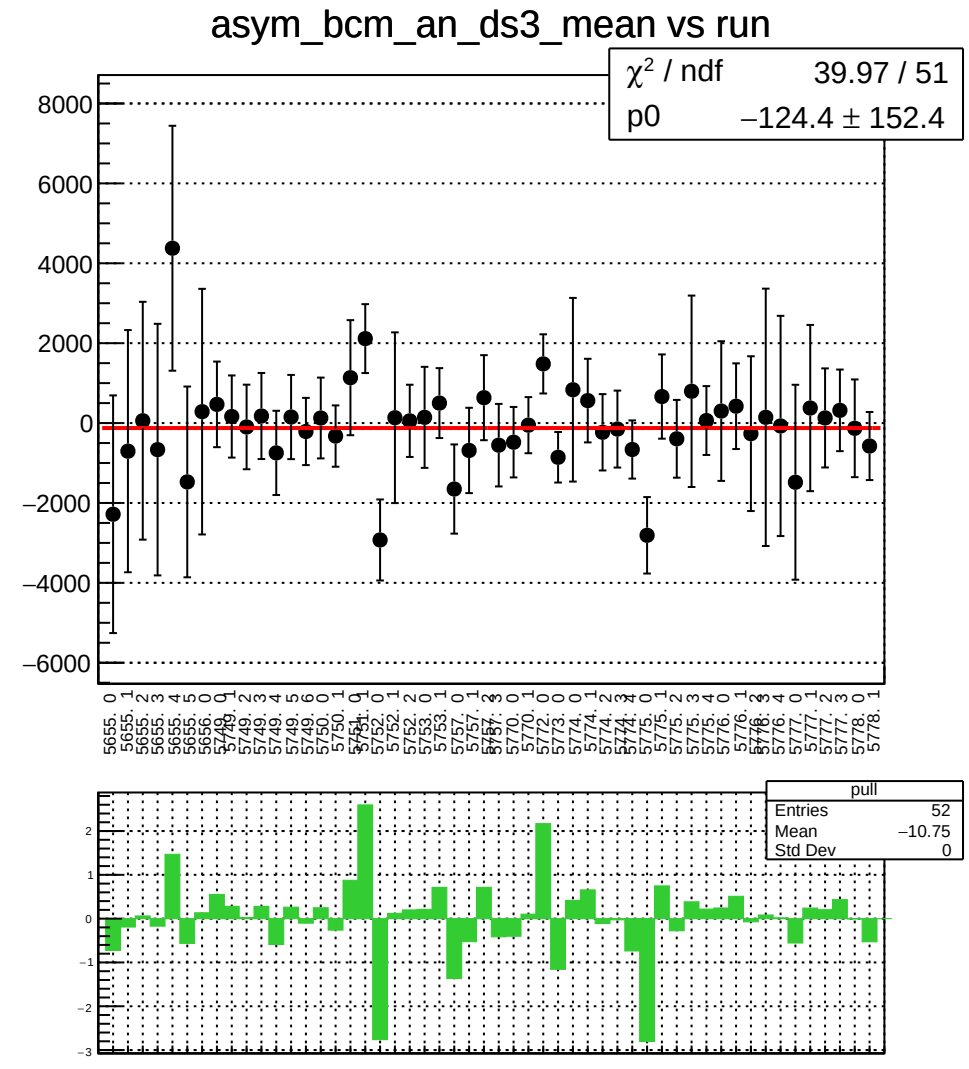

pull1D
Entries 52
Mean −0.01153
Std Dev 0.8757
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

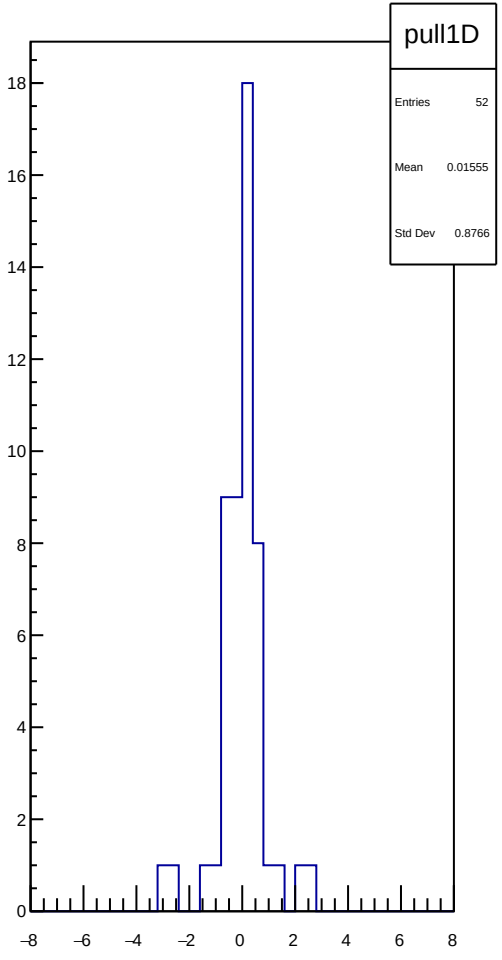

asym_bcm_an_diff_rms vs run
χ² / ndf 1.62e+05 / 51
p0 1.356e+04 ± 14.03
90000
80000
70000
60000
50000
40000
30000
20000
10000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

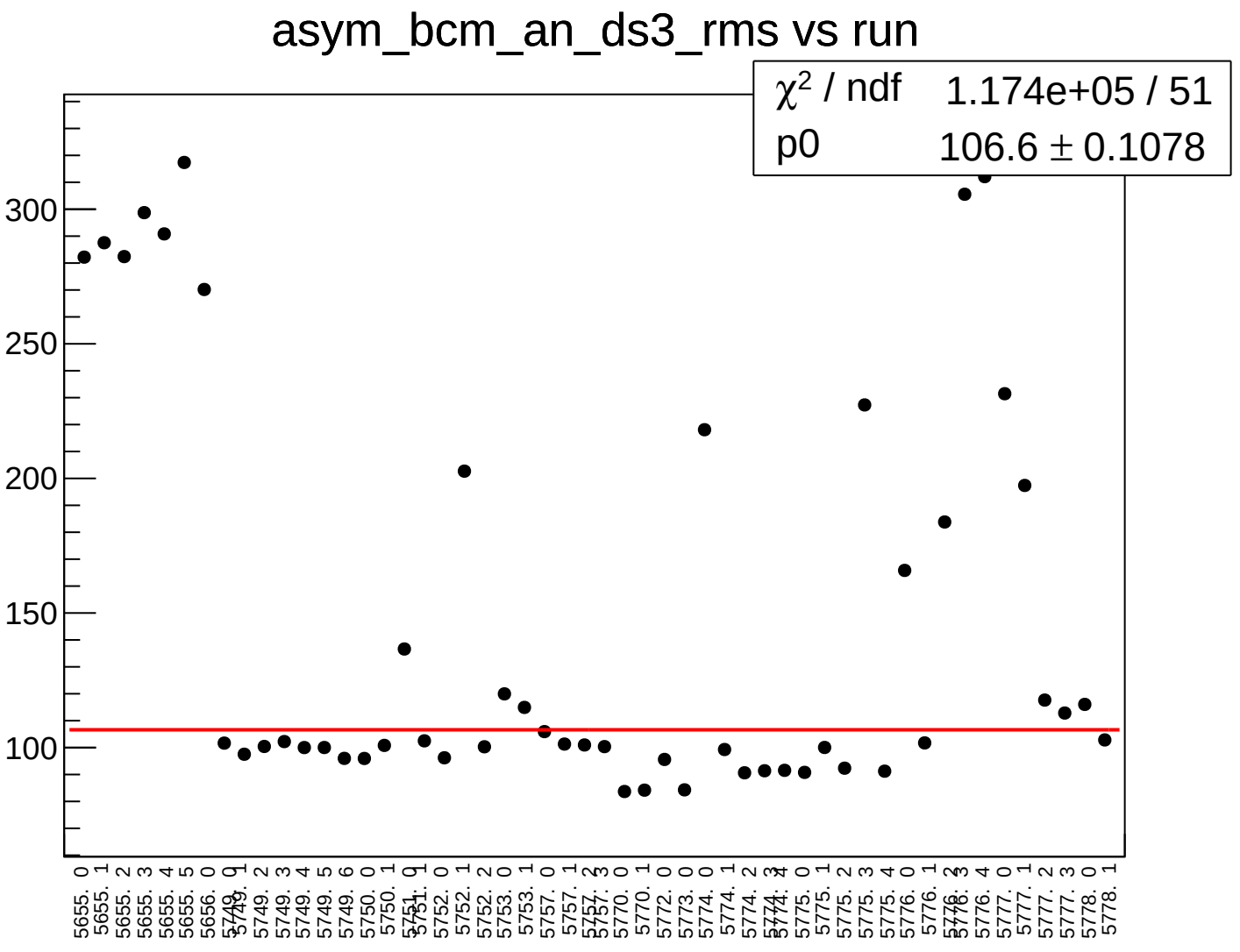

asym_bcm_an_ds_mean vs run
χ² / ndf 39.36 / 51
p0 −117.9 ± 151.2
pull
Entries 52
Mean −18.8
Std Dev 0

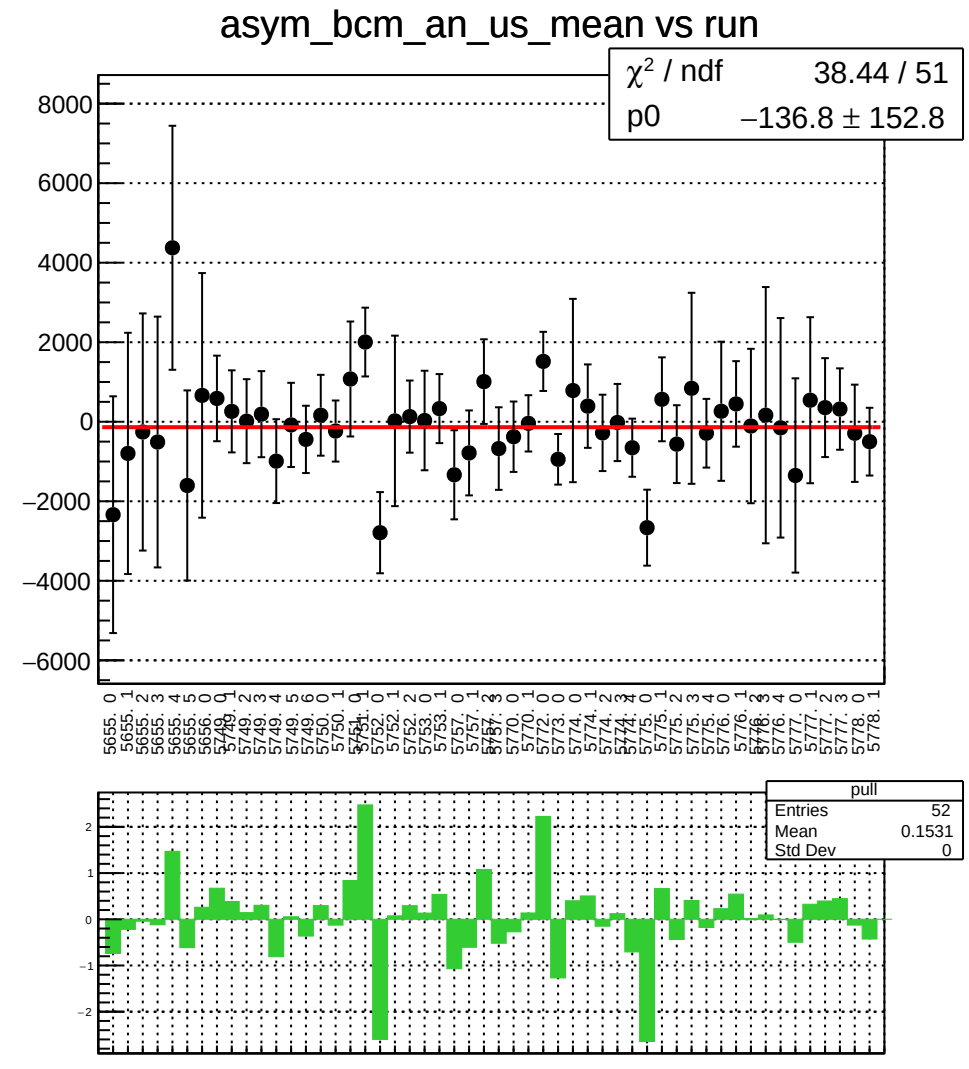

pull1D
Entries 52
Mean 0.01203
Std Dev 0.8699

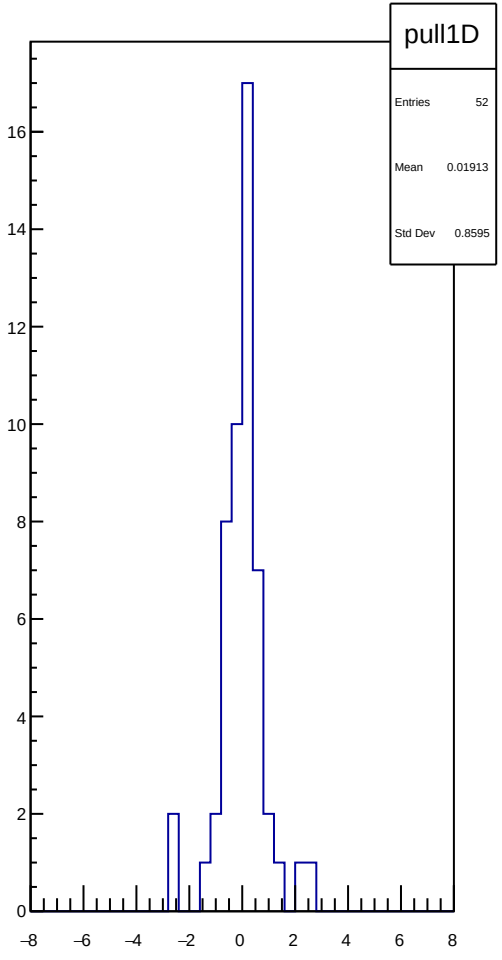

asym_bcm_an_ds_rms vs run
χ² / ndf 1.173e+05 / 51
p0 105.8 ± 0.1069
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

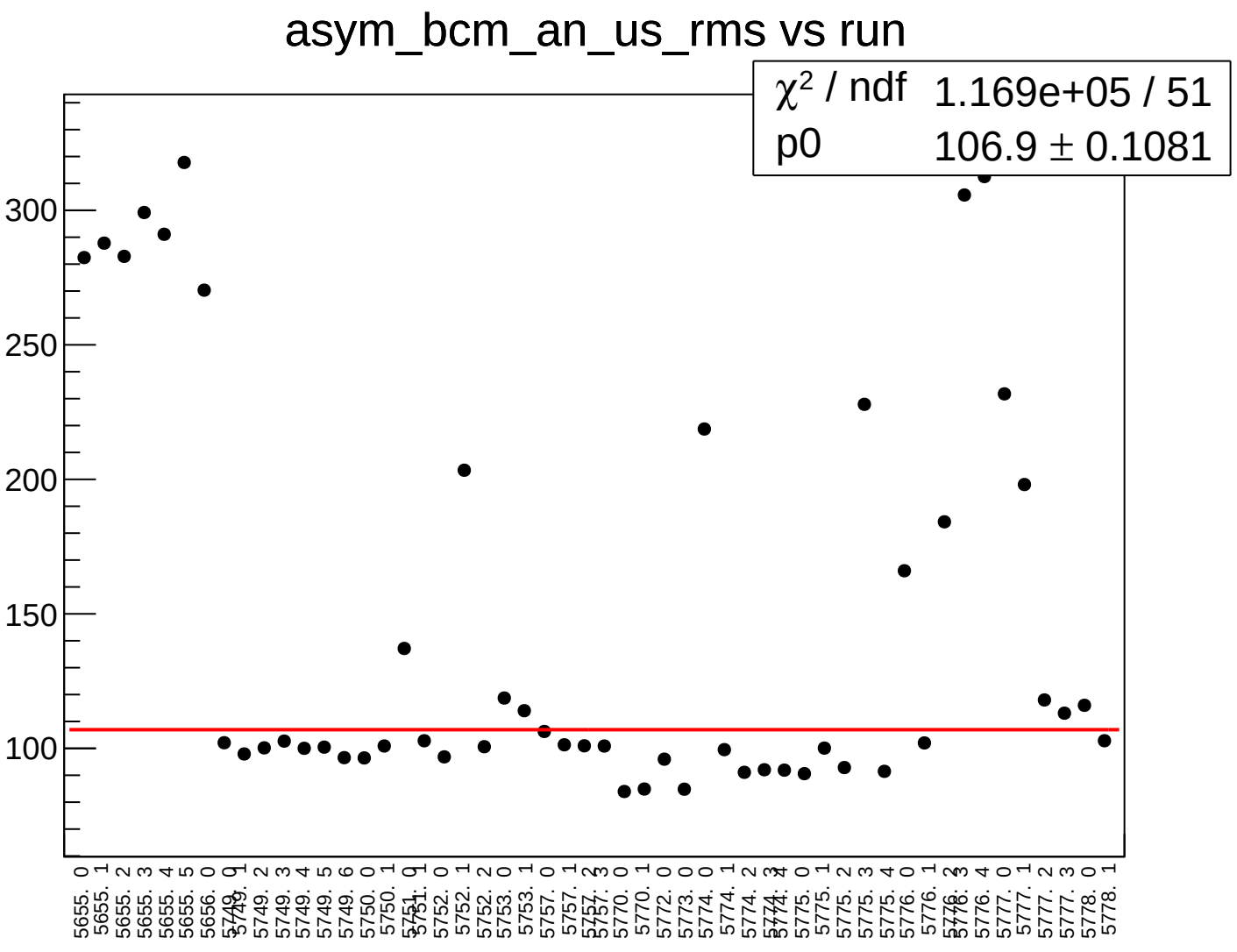

asym_bcm_an_ds3_mean vs run
χ² / ndf 39.97 / 51
p0 −124.4 ± 152.4
pull
Entries 52
Mean −10.75
Std Dev 0

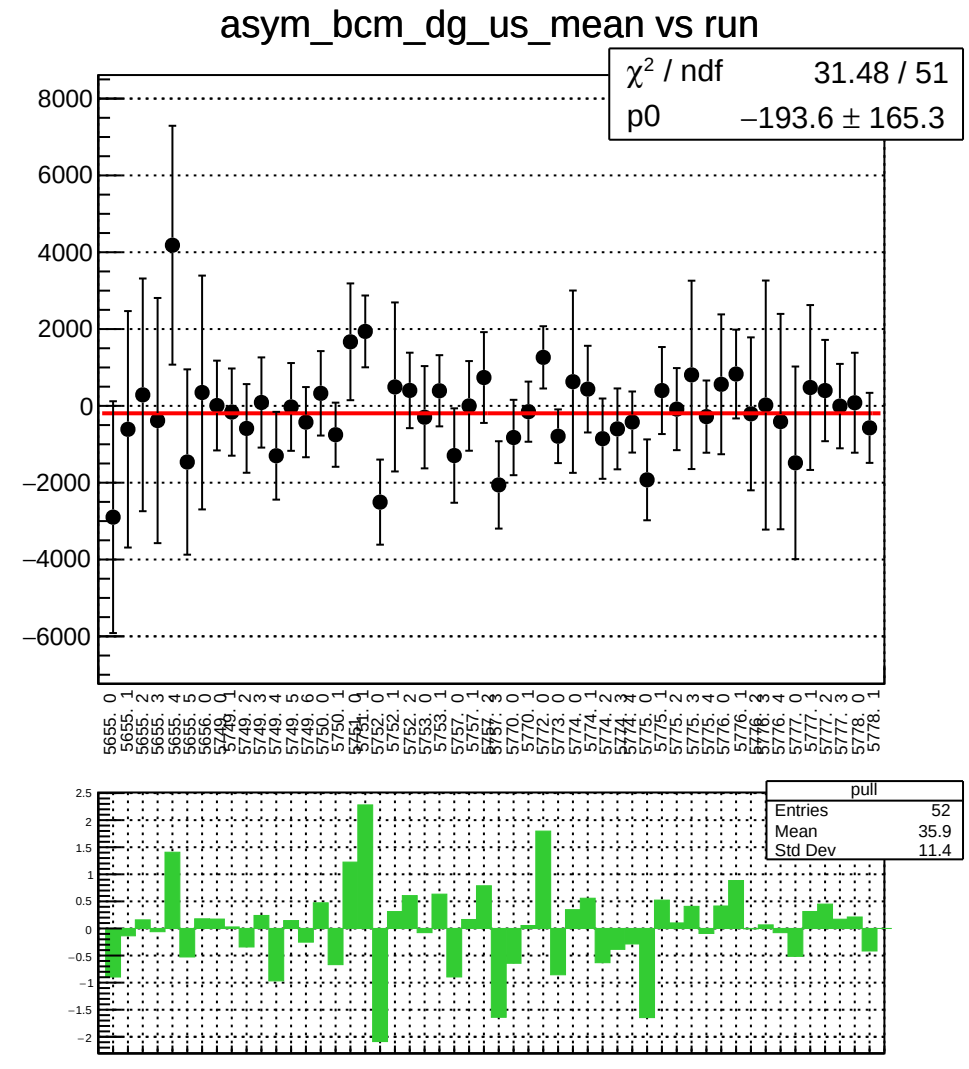

pull1D
Entries 52
Mean 0.01555
Std Dev 0.8766

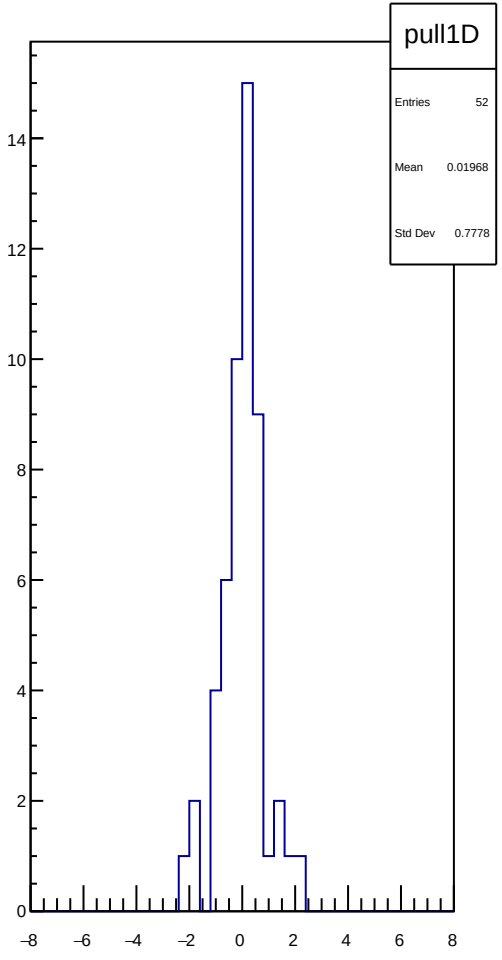

asym_bcm_an_ds3_rms vs run
χ^2 / ndf 1.174e+05 / 51
p0 106.6 ± 0.1078
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

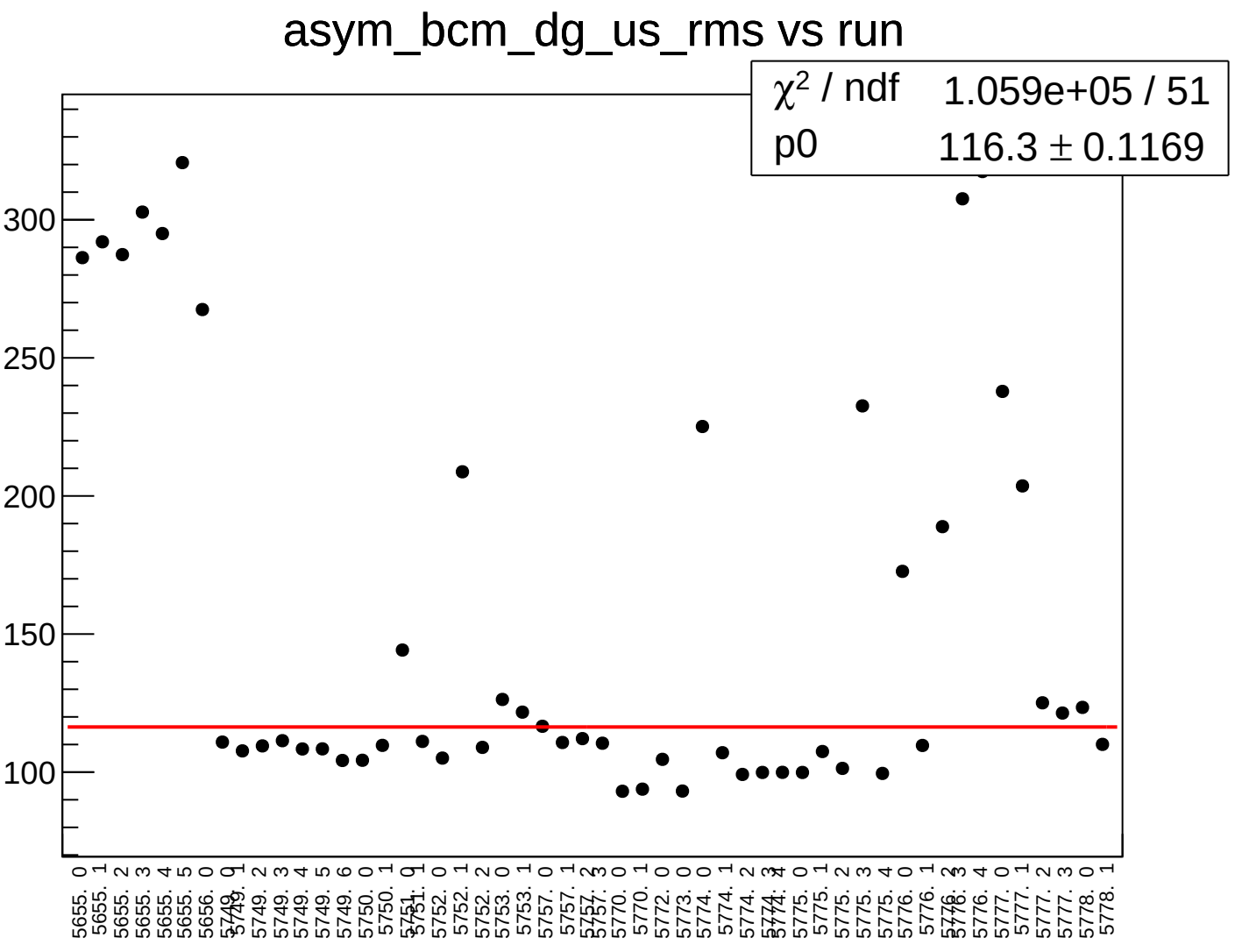

asym_bcm_an_us_mean vs run
χ² / ndf 38.44 / 51
p0 −136.8 ± 152.8
pull
Entries 52
Mean 0.1531
Std Dev 0

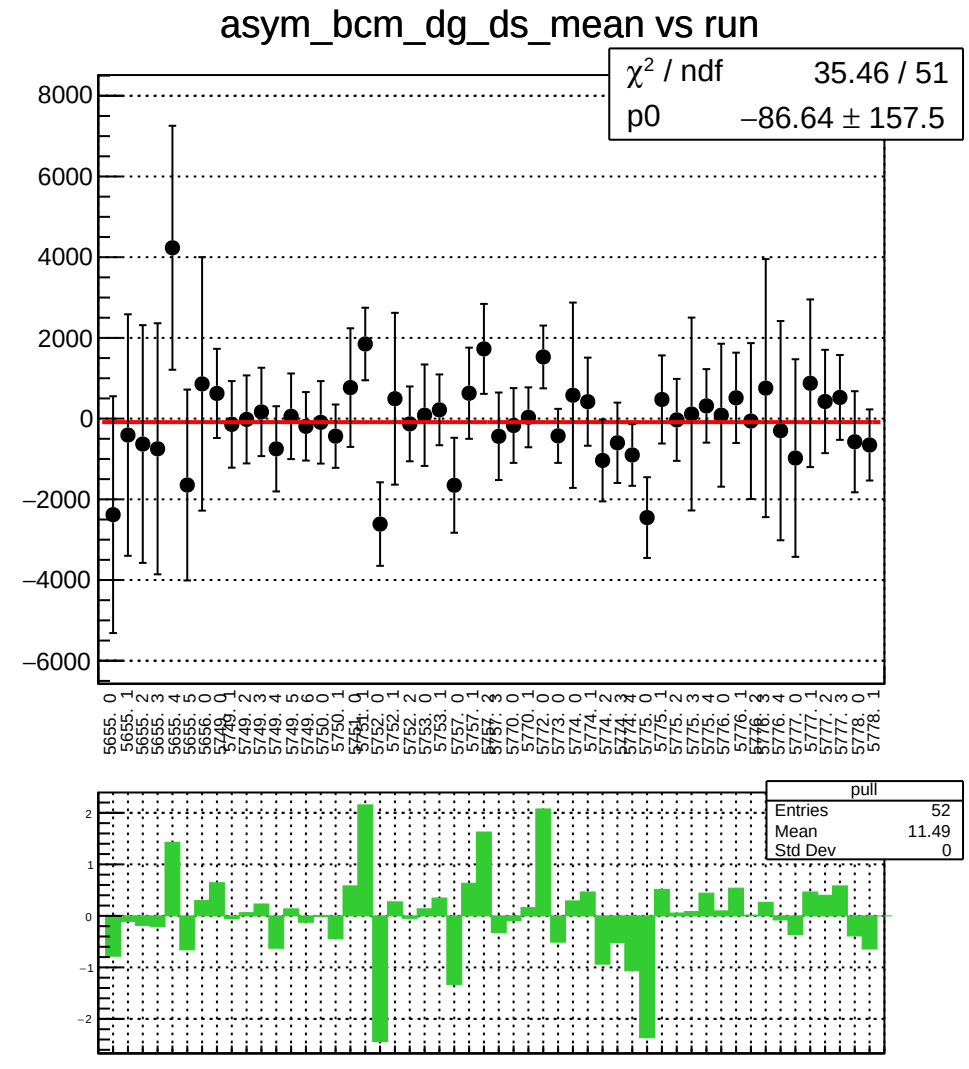

pull1D
Entries 52
Mean 0.01913
Std Dev 0.8595

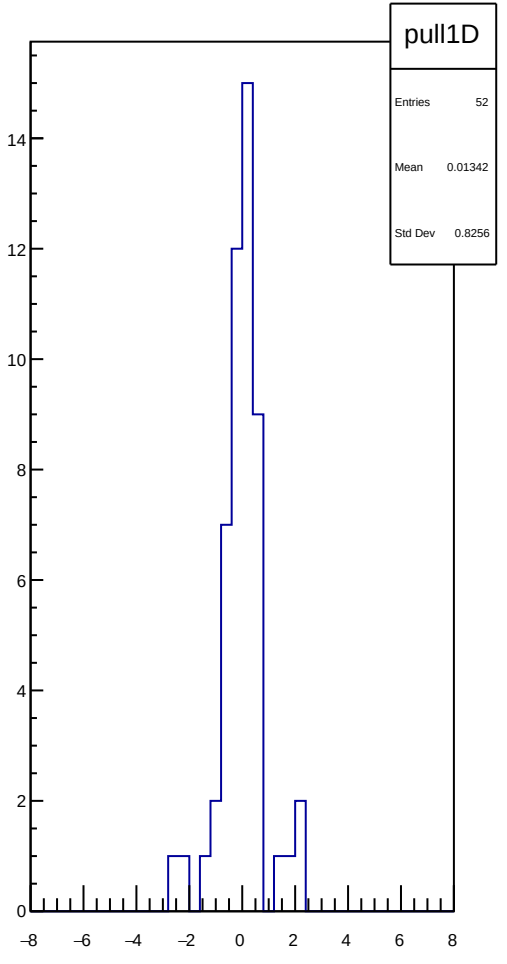

asym_bcm_an_us_rms vs run
χ² / ndf 1.169e+05 / 51
p0 106.9 ± 0.1081
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

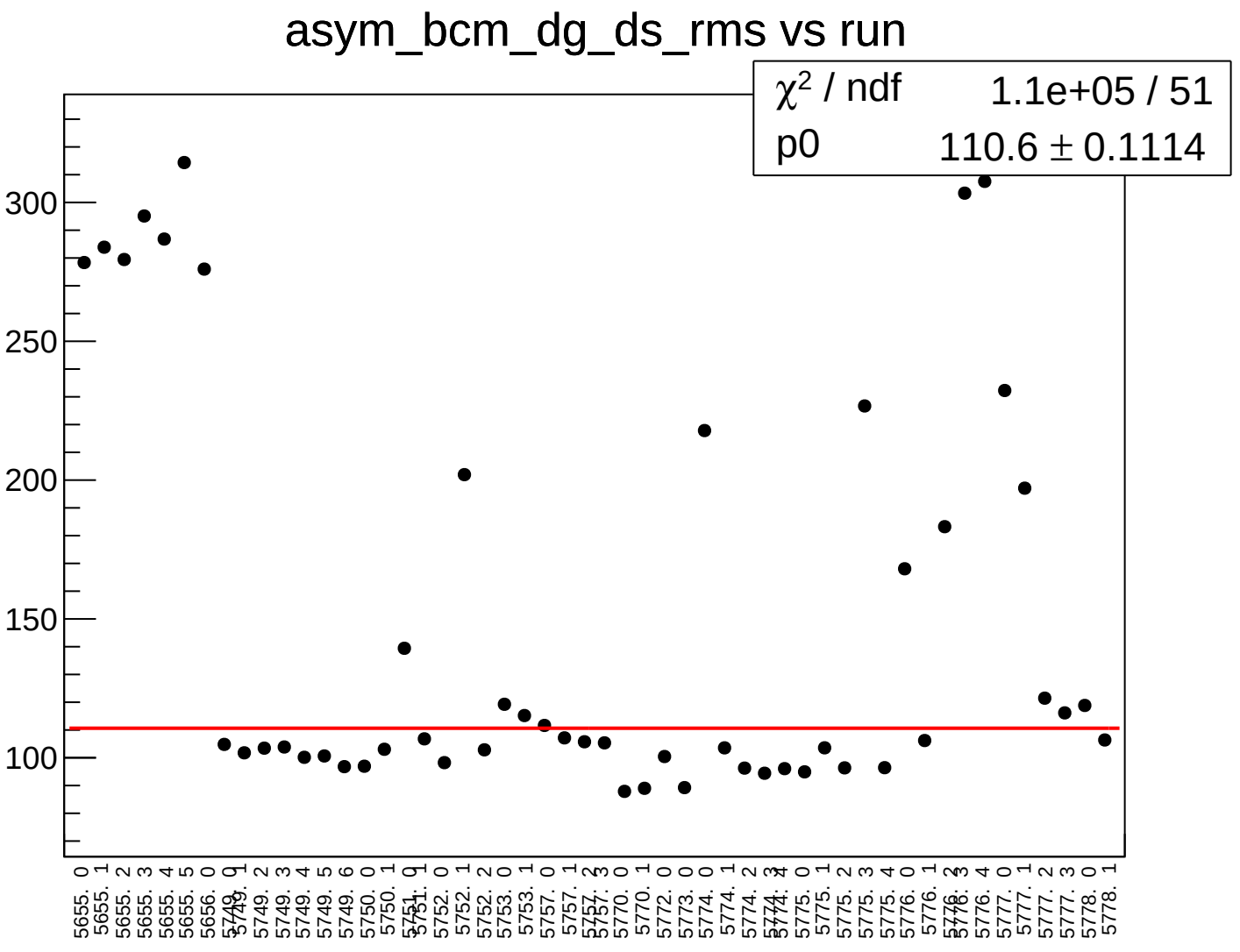

asym_bcm_dg_us_mean vs run
χ² / ndf 31.48 / 51
p0 −193.6 ± 165.3
pull
Entries 52
Mean 35.9
Std Dev 11.4

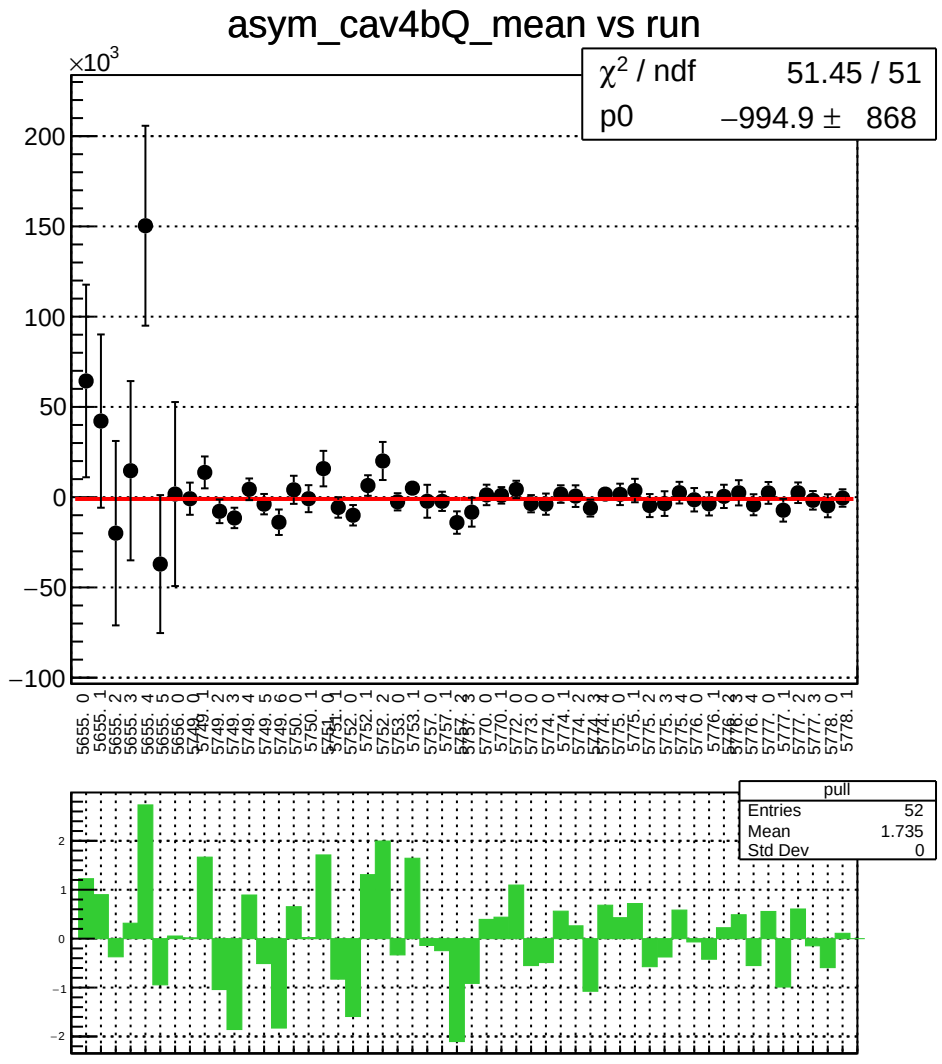

pull1D
Entries 52
Mean 0.01968
Std Dev 0.7778

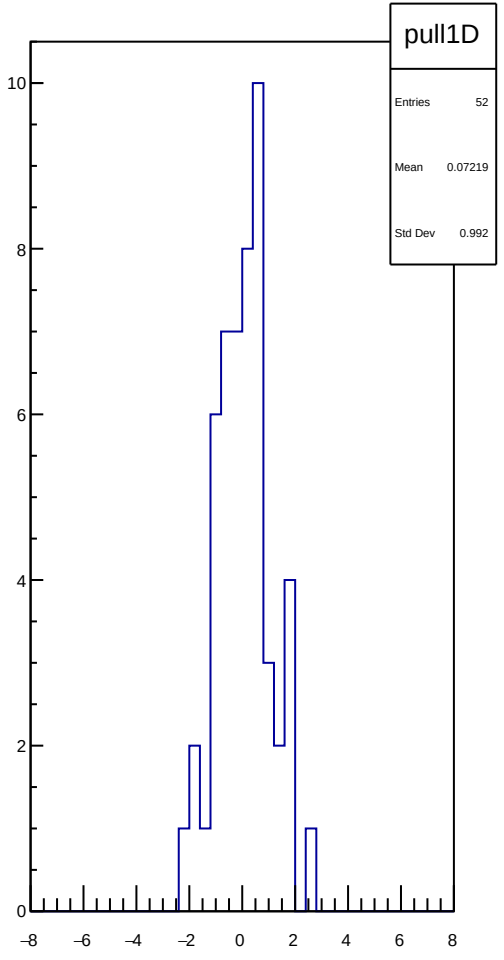

asym_bcm_dg_us_rms vs run
χ² / ndf 1.059e+05 / 51
p0 116.3 ± 0.1169
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

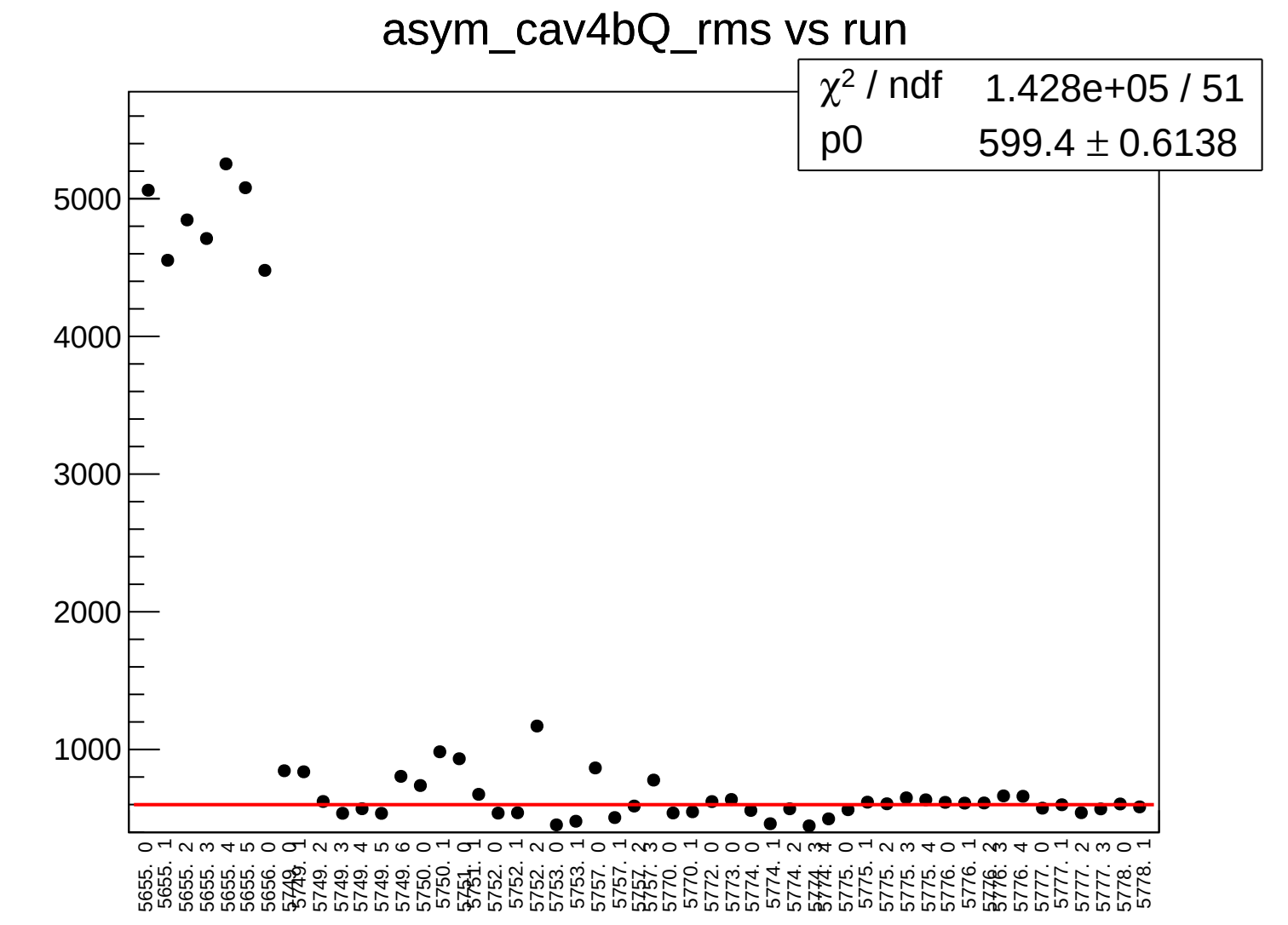

asym_bcm_dg_ds_mean vs run
χ² / ndf 35.46 / 51
p0 −86.64 ± 157.5
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 52
Mean 11.49
Std Dev 0

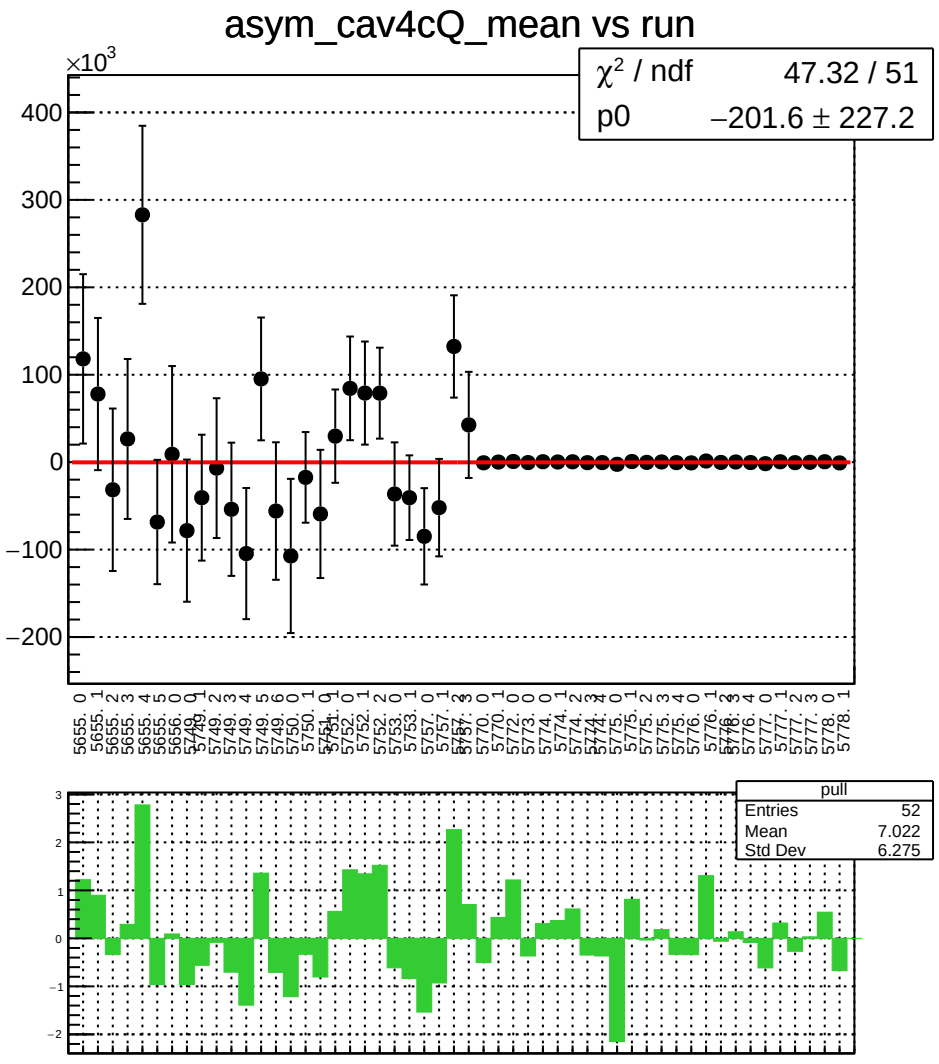

pull1D
Entries 52
Mean 0.01342
Std Dev 0.8256

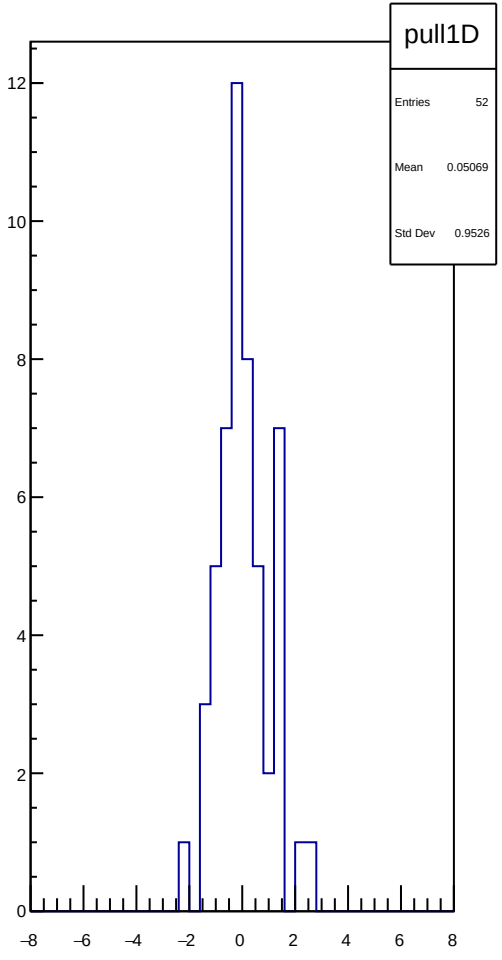

asym_bcm_dg_ds_rms vs run
χ² / ndf 1.1e+05 / 51
p0 110.6 ± 0.1114
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

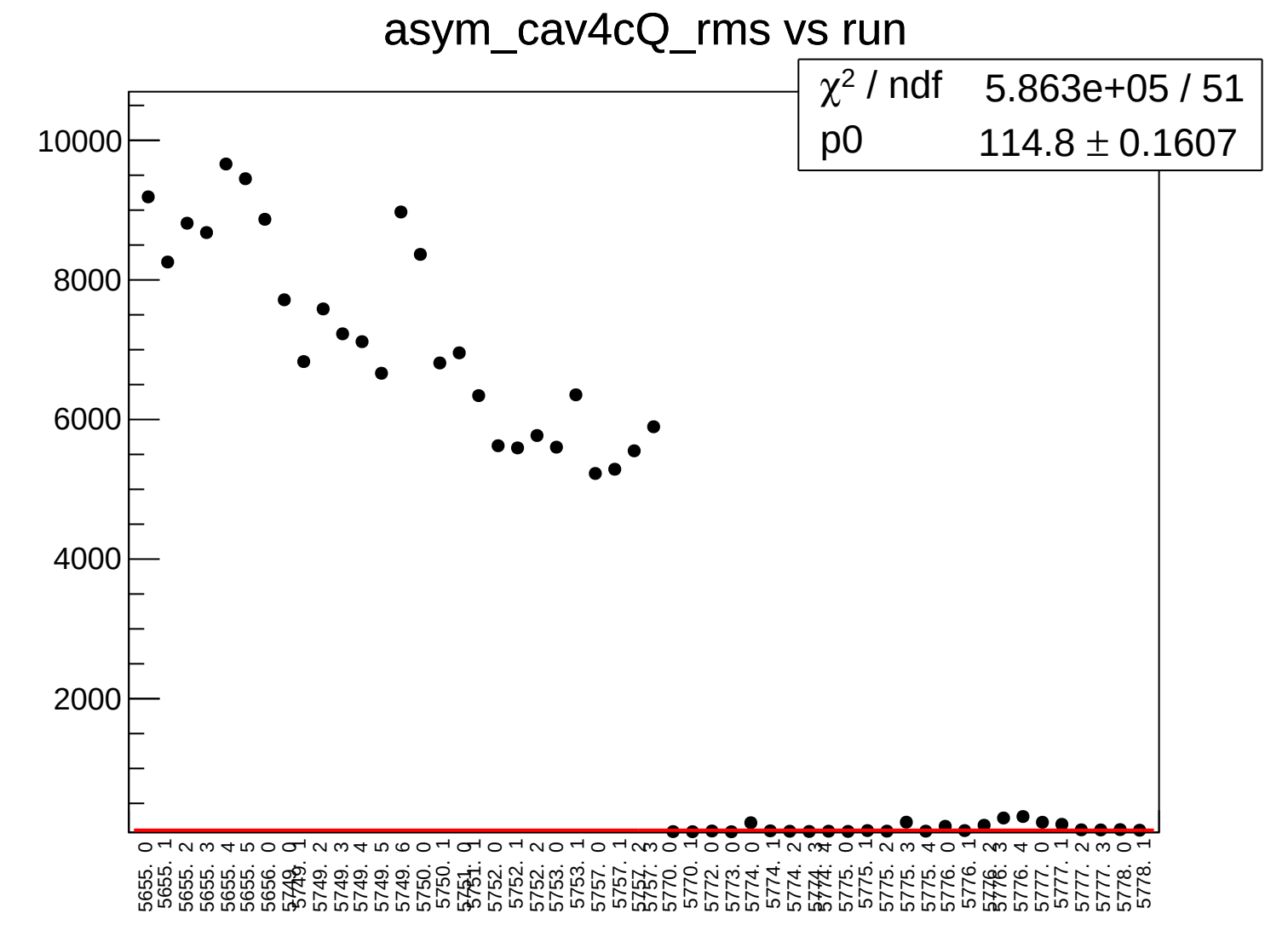

asym_cav4bQ_mean vs run
×10^3
χ^2 / ndf 51.45 / 51
p0 −994.9 ± 868
200
150
100
50
0
−50
−100
pull
Entries 52
Mean 1.735
Std Dev 0
2
1
0
−1
−2

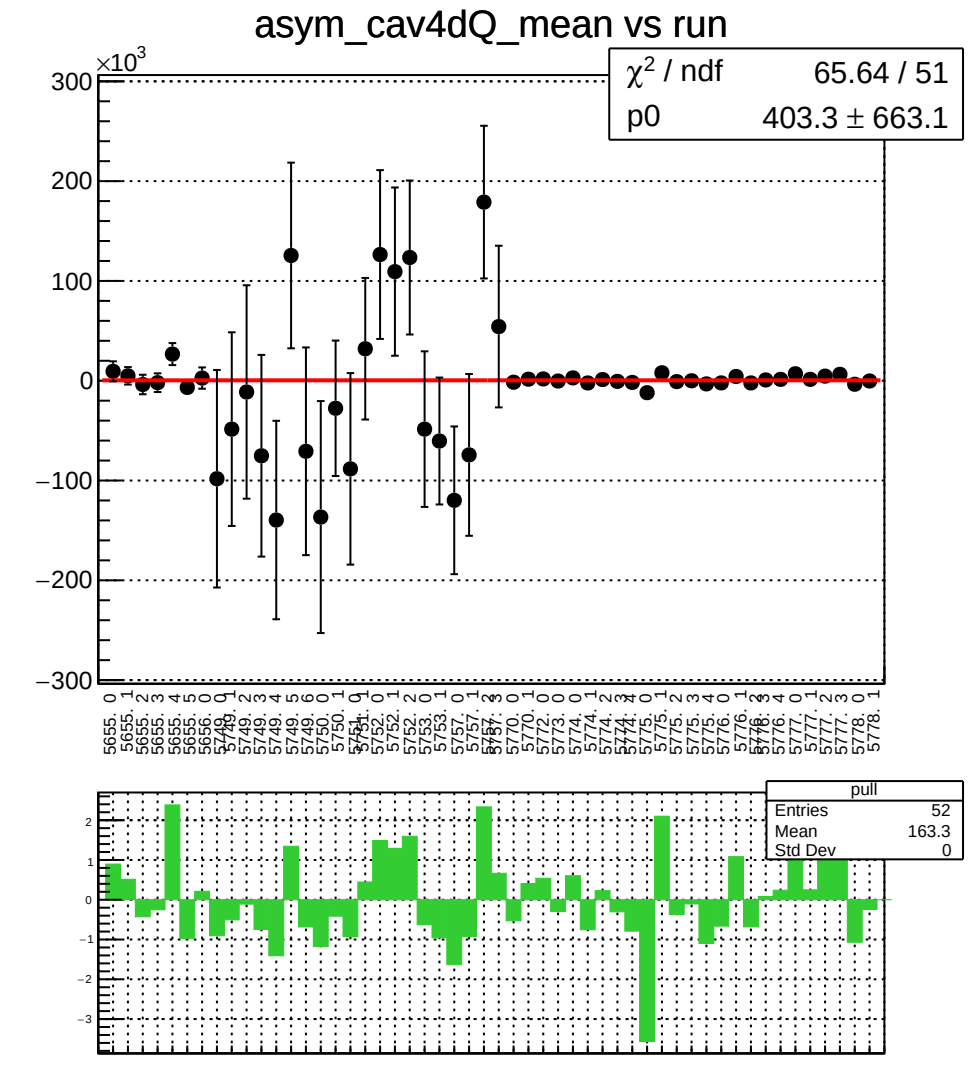

pull1D
Entries 52
Mean 0.07219
Std Dev 0.992
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

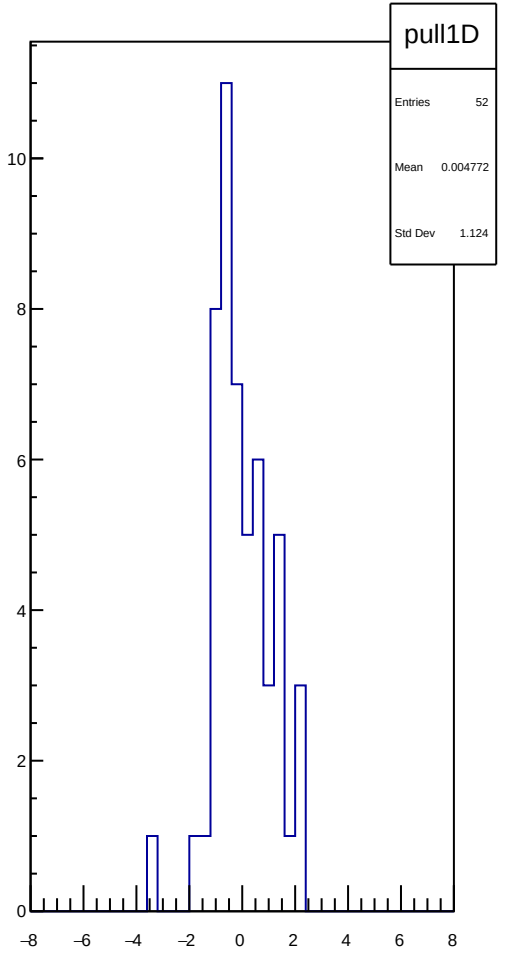

asym_cav4bQ_rms vs run
χ² / ndf 1.428e+05 / 51
p0 599.4 ± 0.6138
5000
4000
3000
2000
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

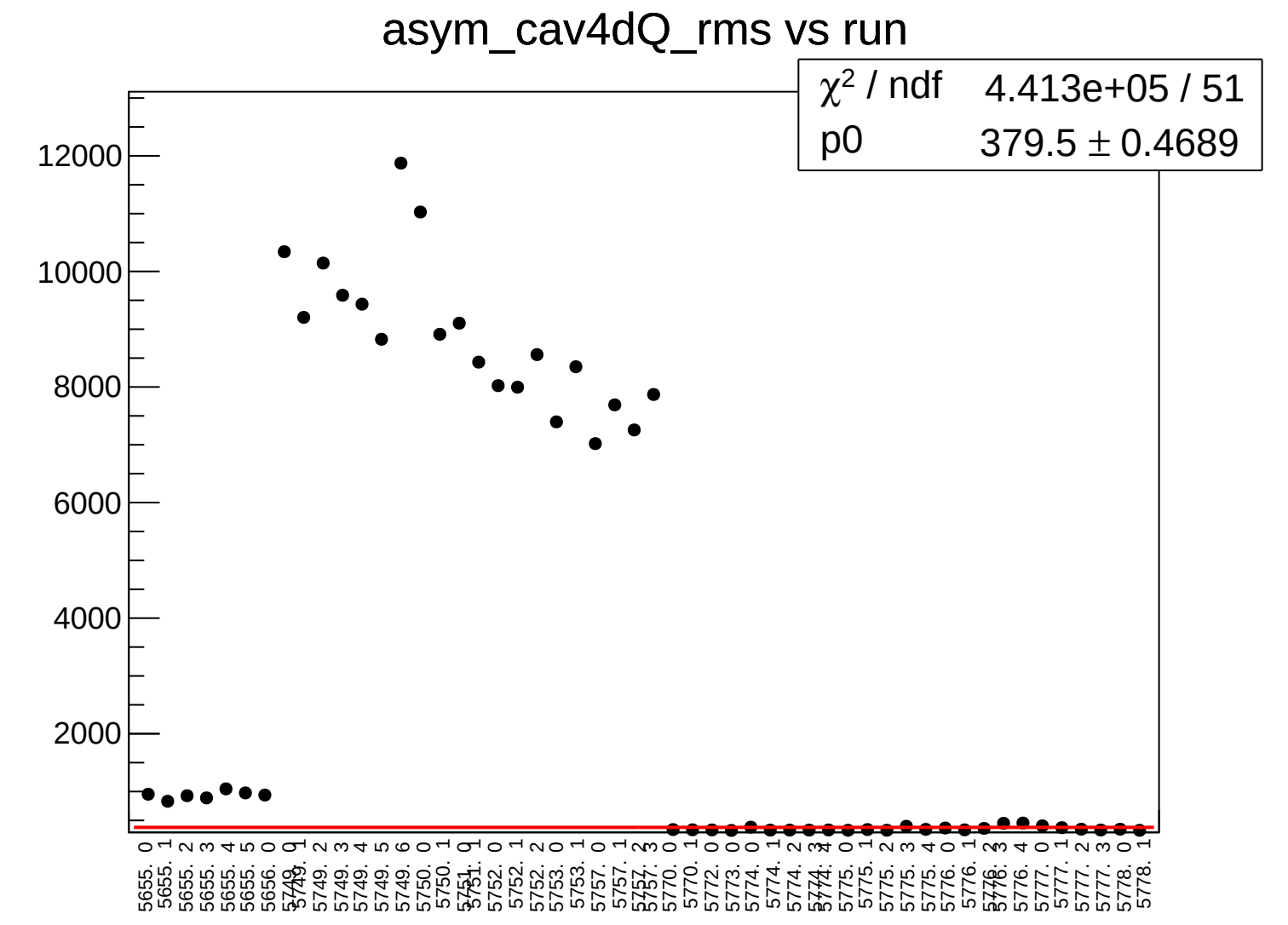

asym_cav4cQ_mean vs run
×10^3
χ² / ndf 47.32 / 51
p0 −201.6 ± 227.2
400
300
200
100
0
−100
−200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
pull
Entries 52
Mean 7.022
Std Dev 6.275
3
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.05069
Std Dev 0.9526
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_cav4cQ_rms vs run
χ^2 / ndf 5.863e+05 / 51
p0 114.8 ± 0.1607
10000
8000
6000
4000
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_cav4dQ_mean vs run
×10^3
χ^2 / ndf 65.64 / 51
p0 403.3 ± 663.1
pull
Entries 52
Mean 163.3
Std Dev 0


pull1D
Entries 52
Mean 0.004772
Std Dev 1.124


asym_cav4dQ_rms vs run
χ² / ndf 4.413e+05 / 51
p0 379.5 ± 0.4689
12000
10000
8000
6000
4000
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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5752. 1
5752. 2
5753. 0
5753. 1
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5757. 1
5757. 2
5757. 3
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5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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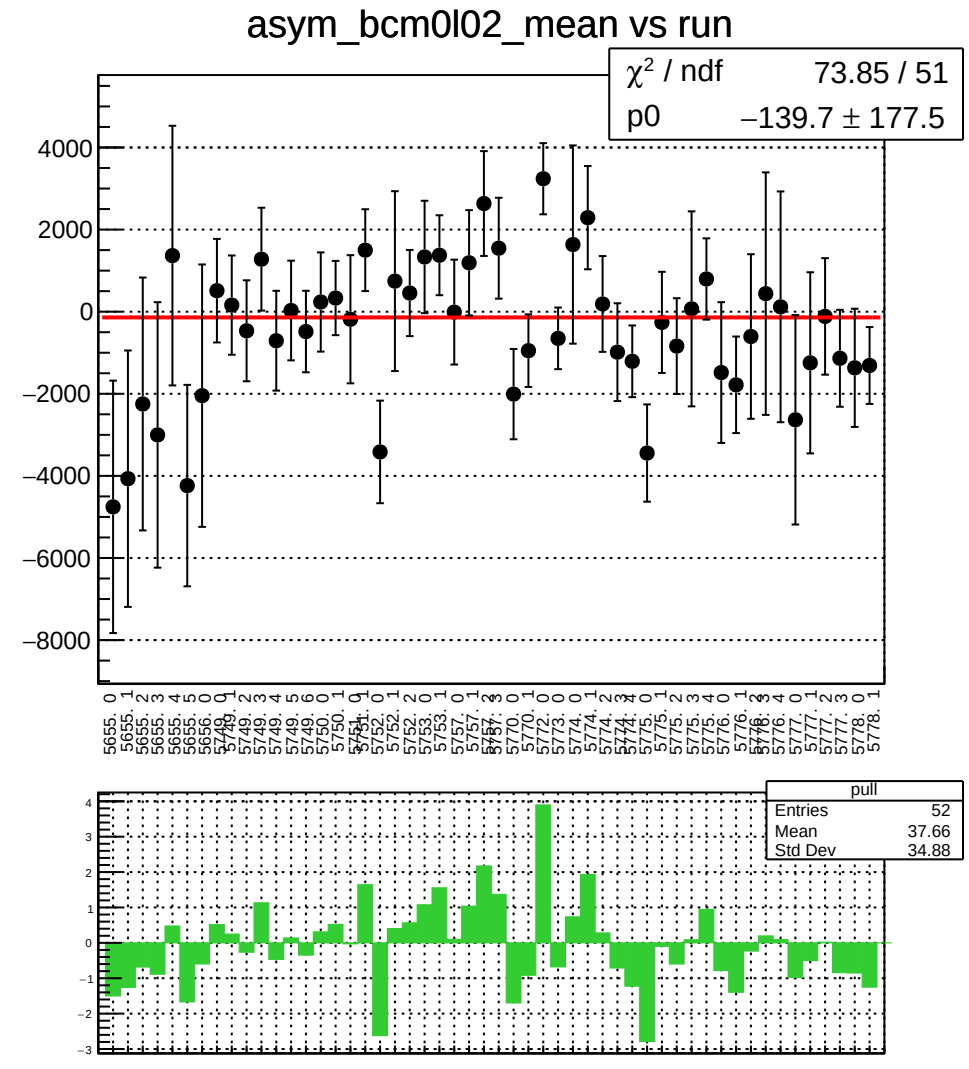
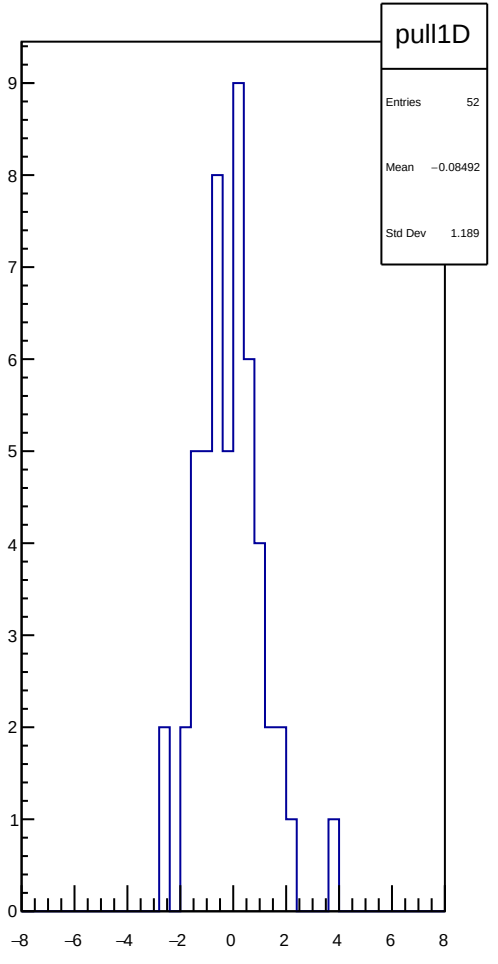
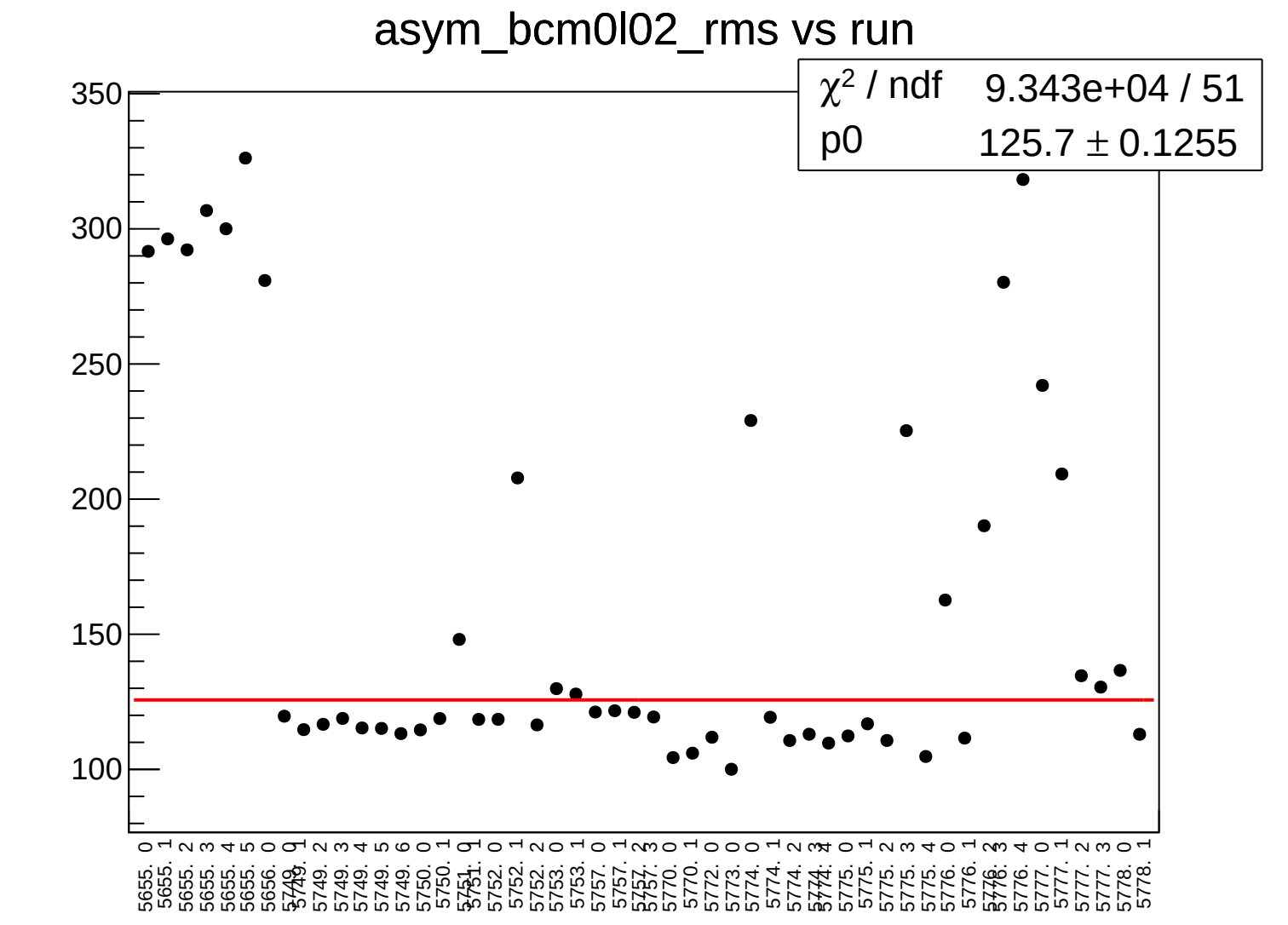
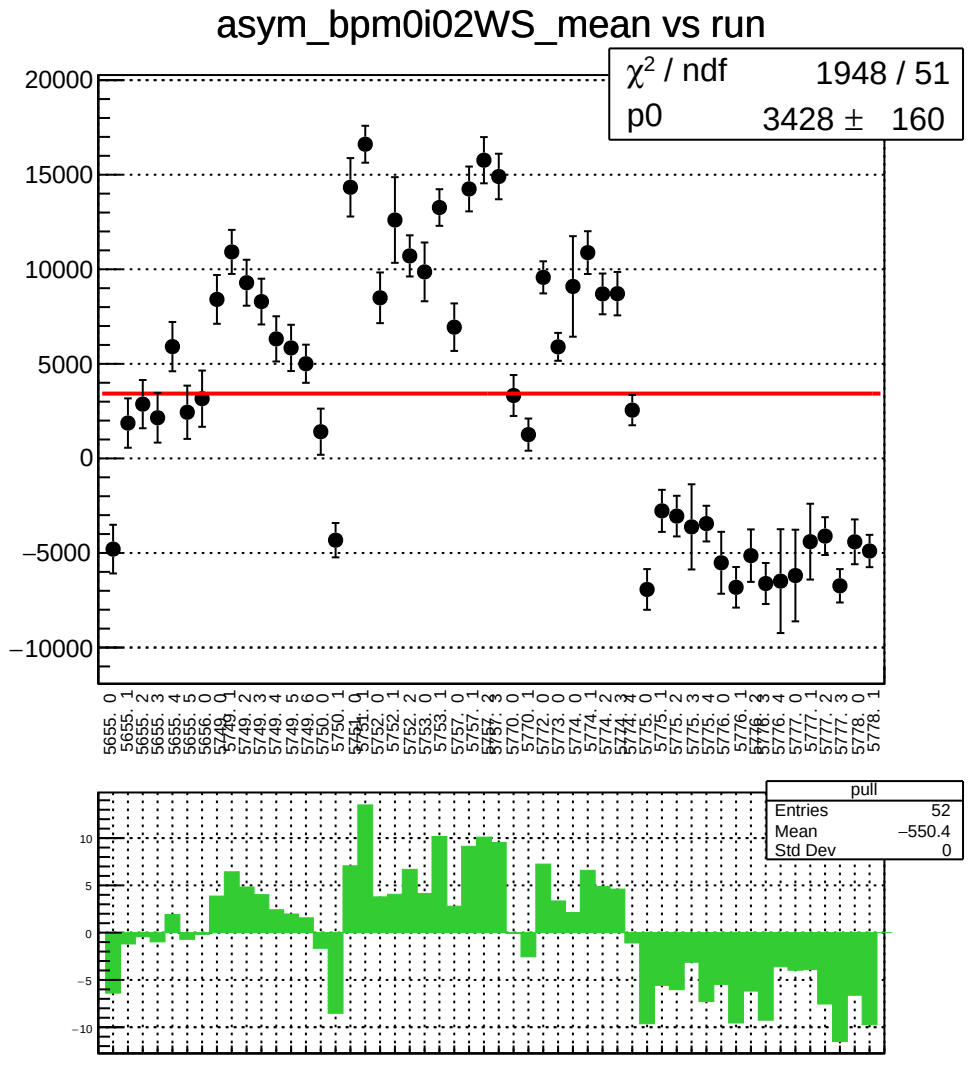
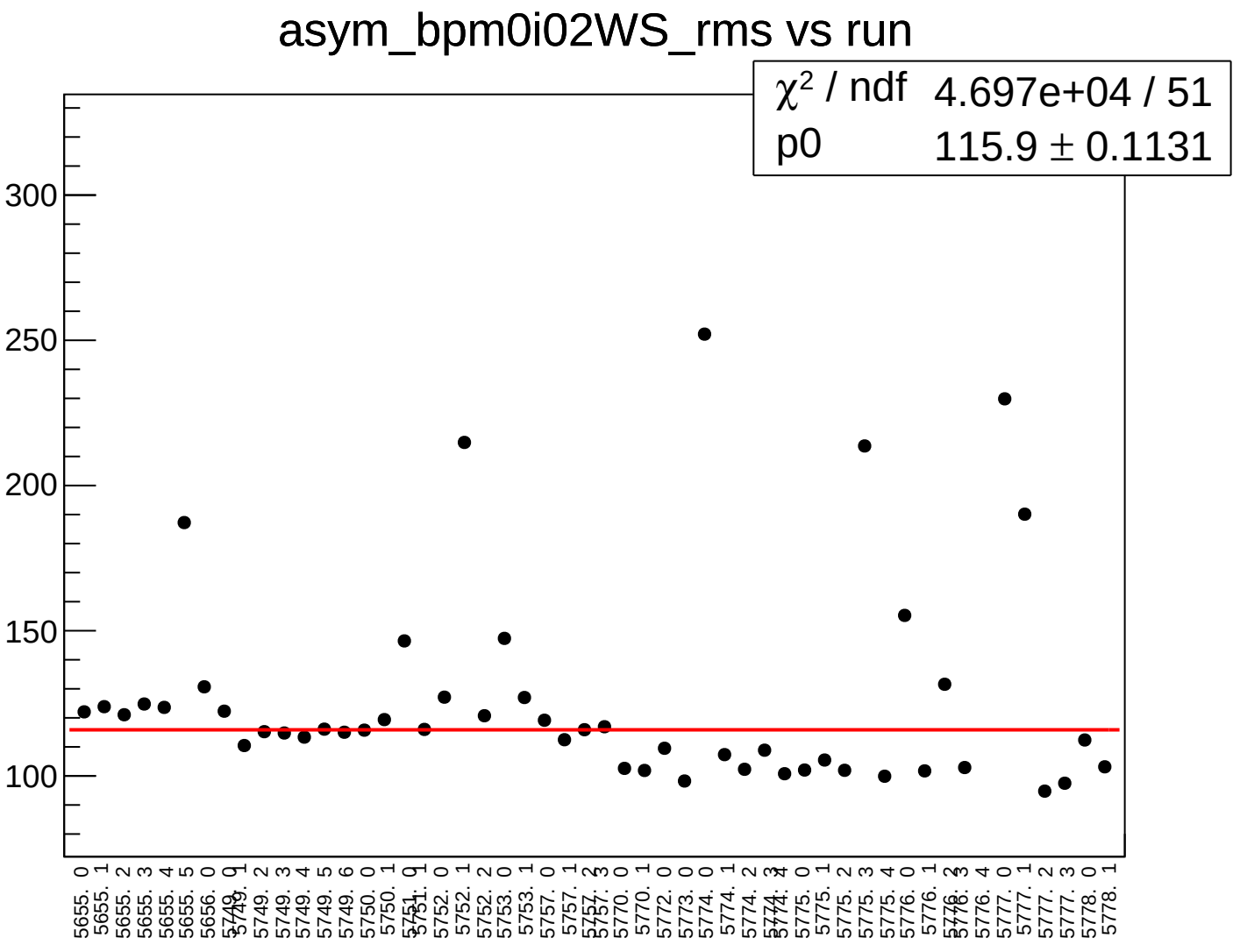
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

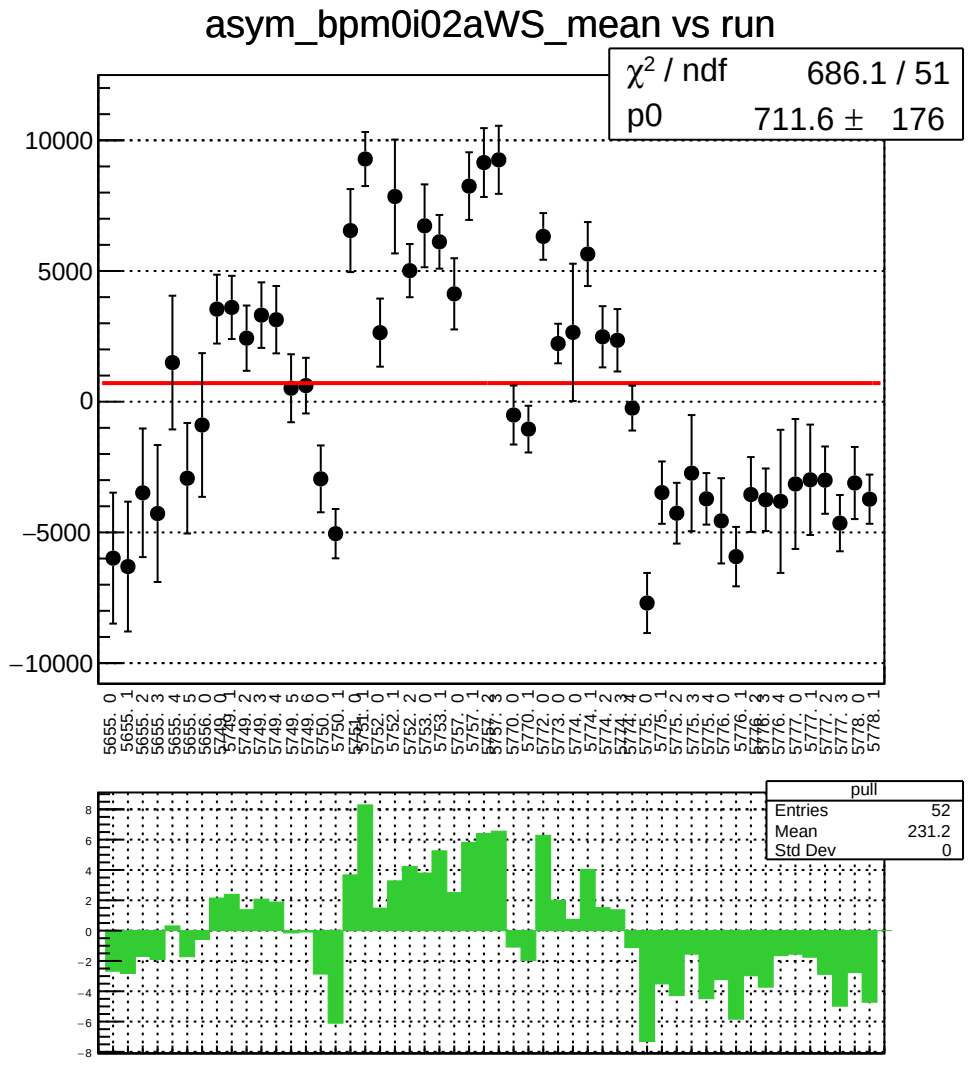

asym_bcm0l02_mean vs run
χ² / ndf 73.85 / 51
p0 −139.7 ± 177.5
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 52
Mean 37.66
Std Dev 34.88

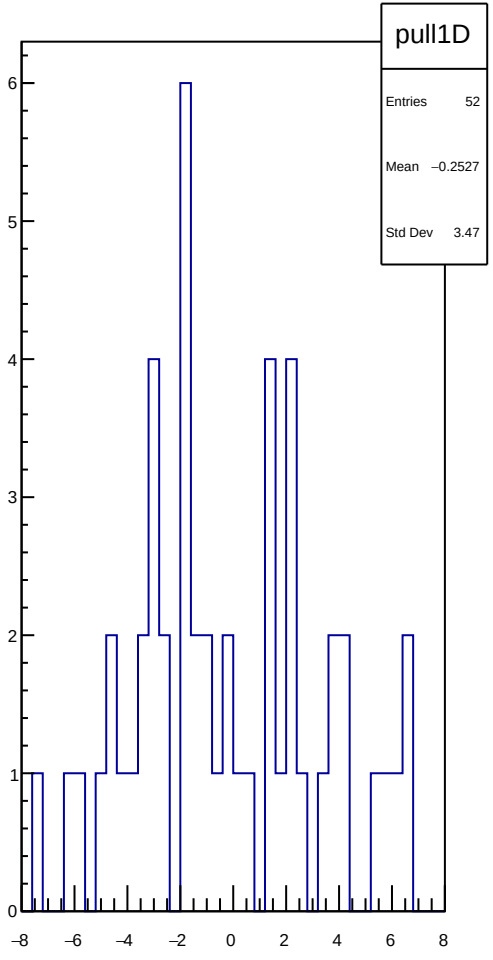

pull1D
Entries 52
Mean −0.08492
Std Dev 1.189

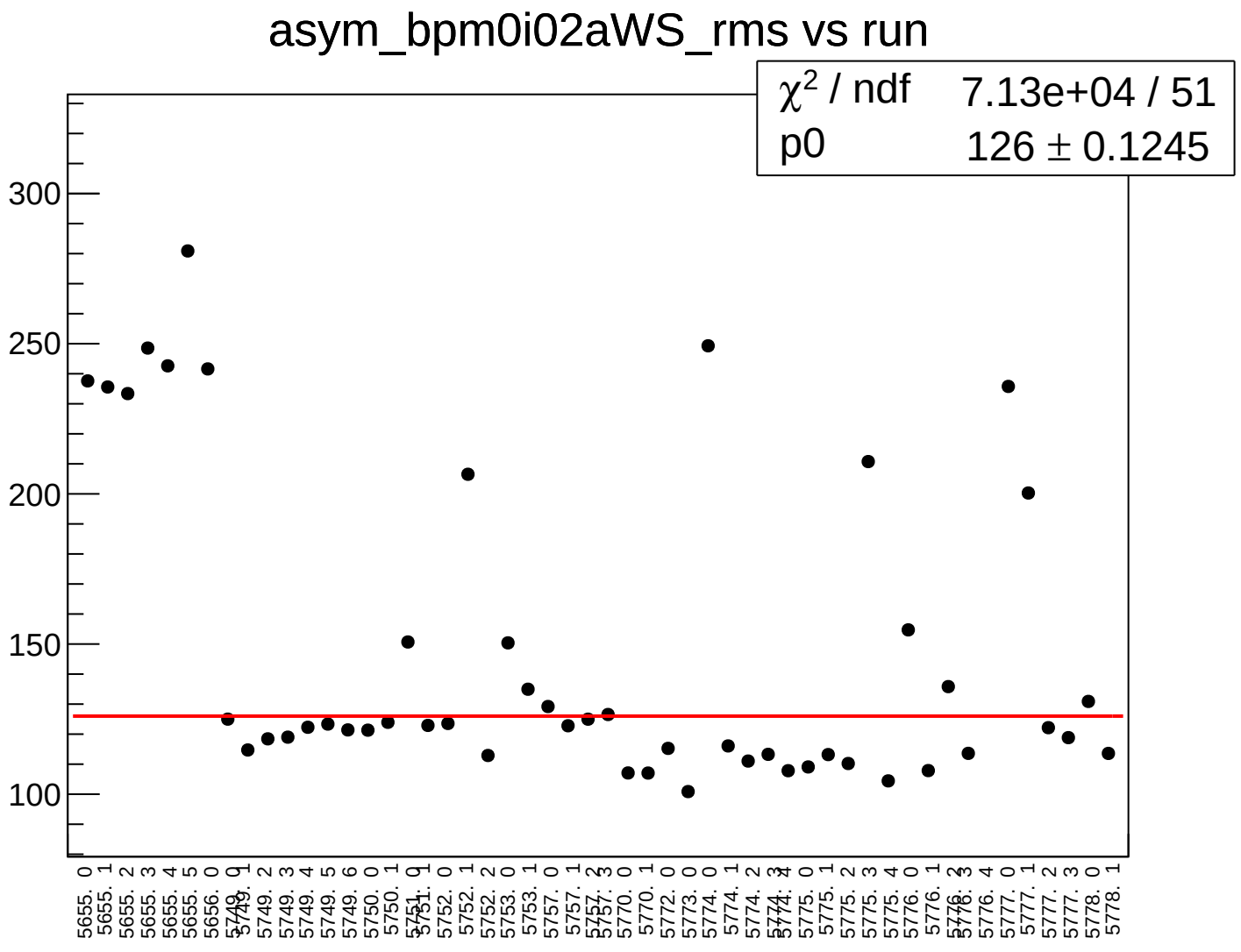

asym_bcm0l02_rms vs run
χ^2 / ndf 9.343e+04 / 51
p0 125.7 ± 0.1255
350
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

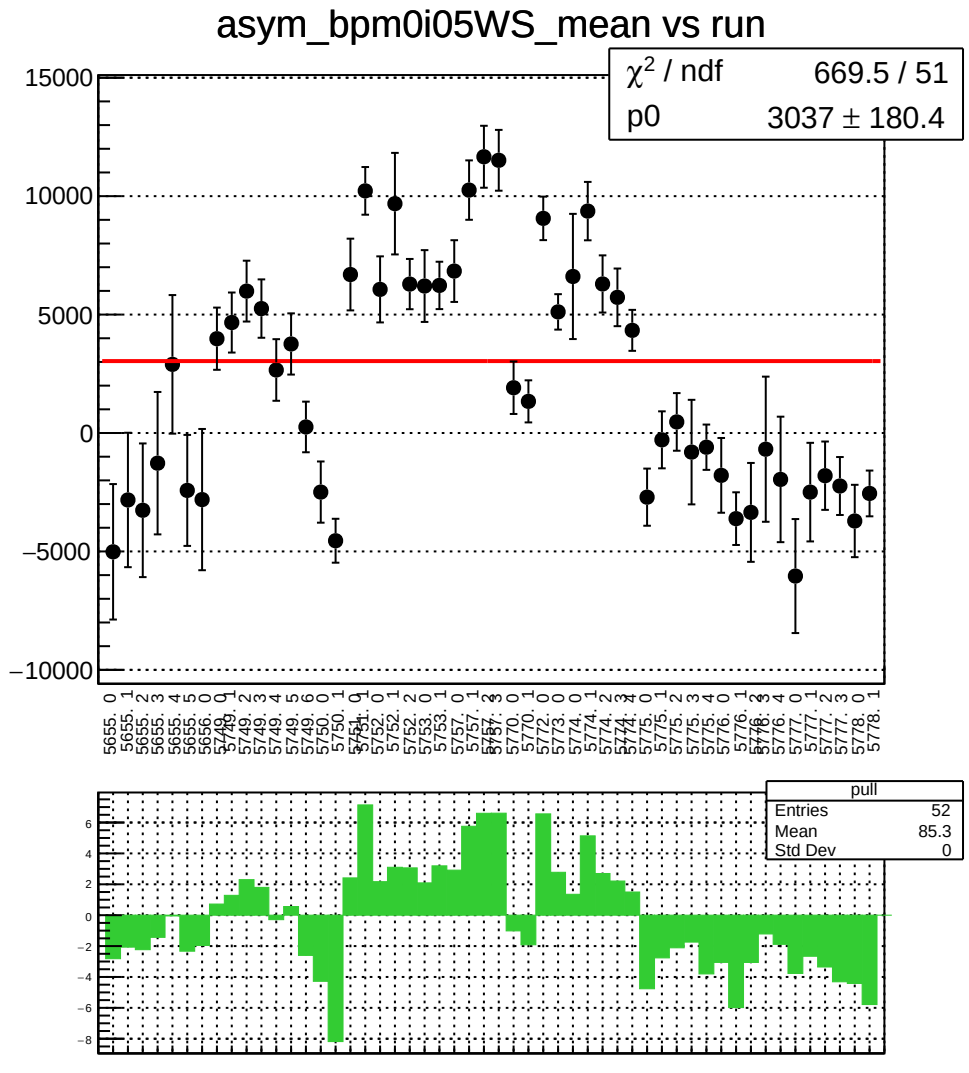

asym_bpm0i02WS_mean vs run
χ² / ndf 1948 / 51
p0 3428 ± 160
pull
Entries 52
Mean −550.4
Std Dev 0
pull1D
Entries 52
Mean 0.238
Std Dev 4.455

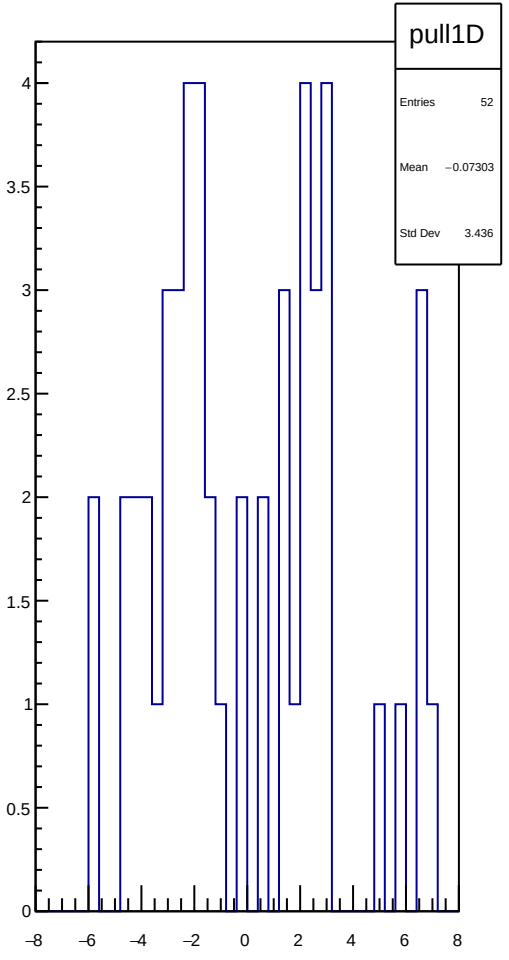

asym_bpm0i02WS_rms vs run
χ² / ndf 4.697e+04 / 51
p0 115.9 ± 0.1131
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

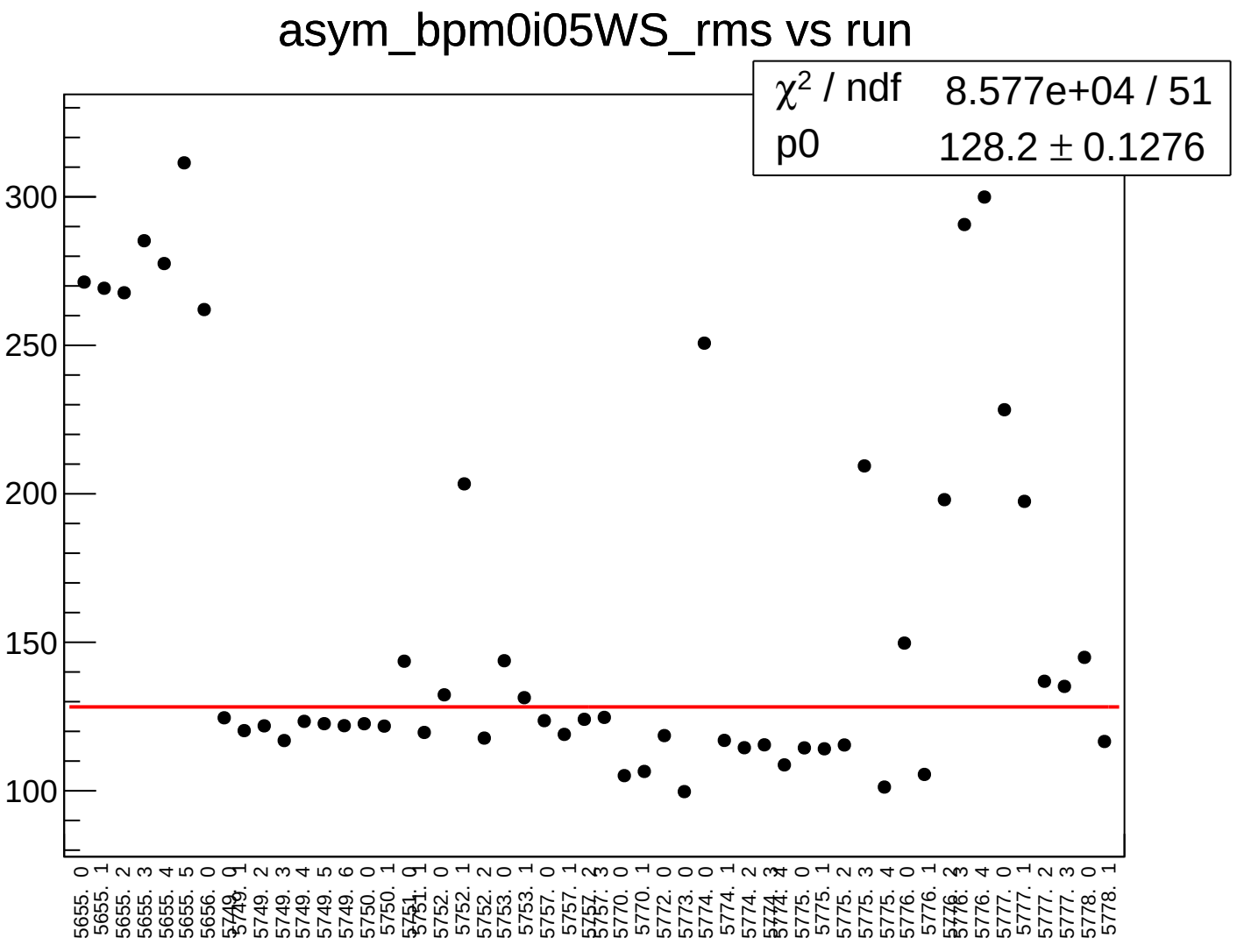

asym_bpm0i02aWS_mean vs run
χ² / ndf 686.1 / 51
p0 711.6 ± 176
10000
5000
0
−5000
−10000
pull
Entries 52
Mean 231.2
Std Dev 0
8
6
4
2
0
−2
−4
−6
−8

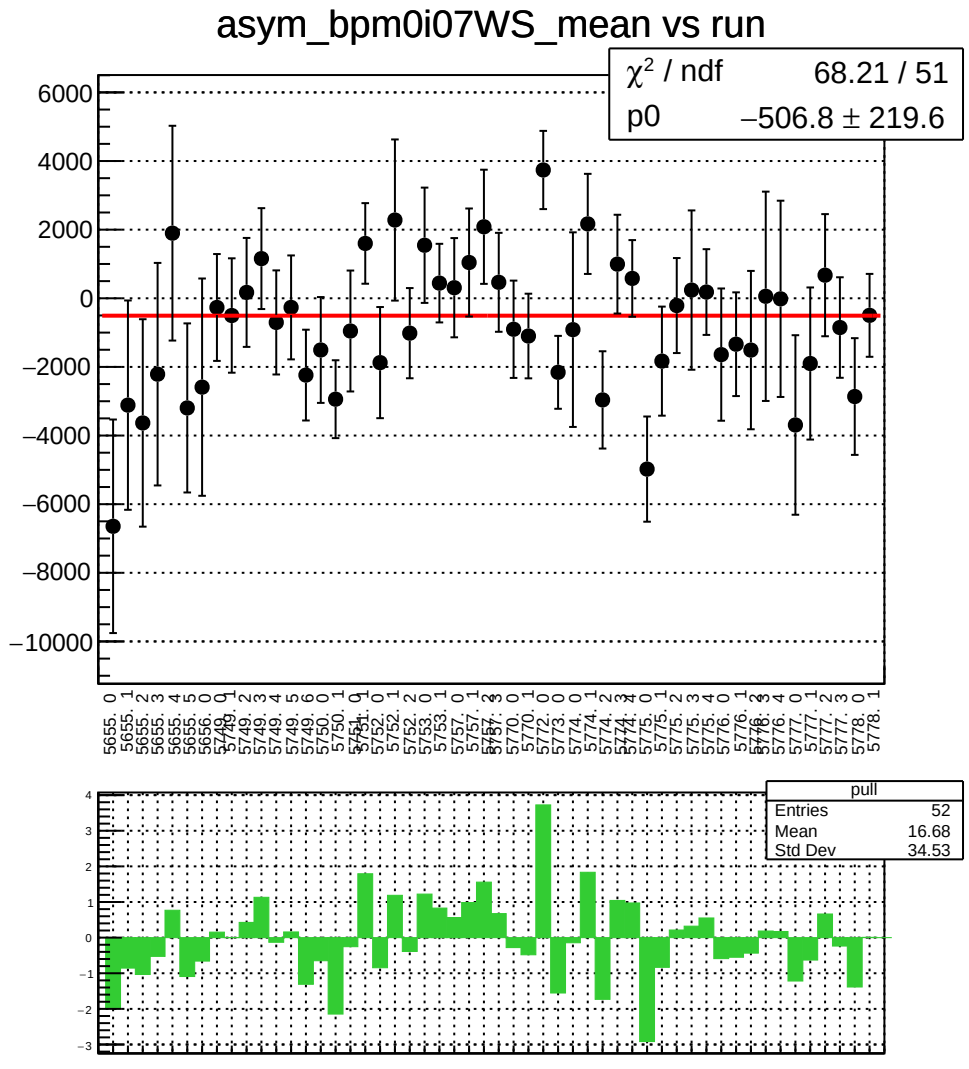

pull1D
Entries 52
Mean −0.2527
Std Dev 3.47
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

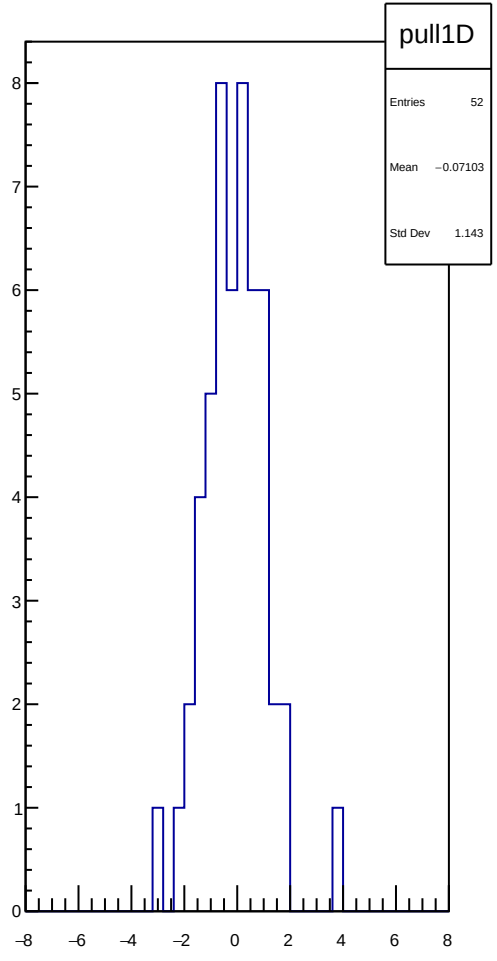

asym_bpm0i02aWS_rms vs run
χ^2 / ndf 7.13e+04 / 51
p0 126 ± 0.1245
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

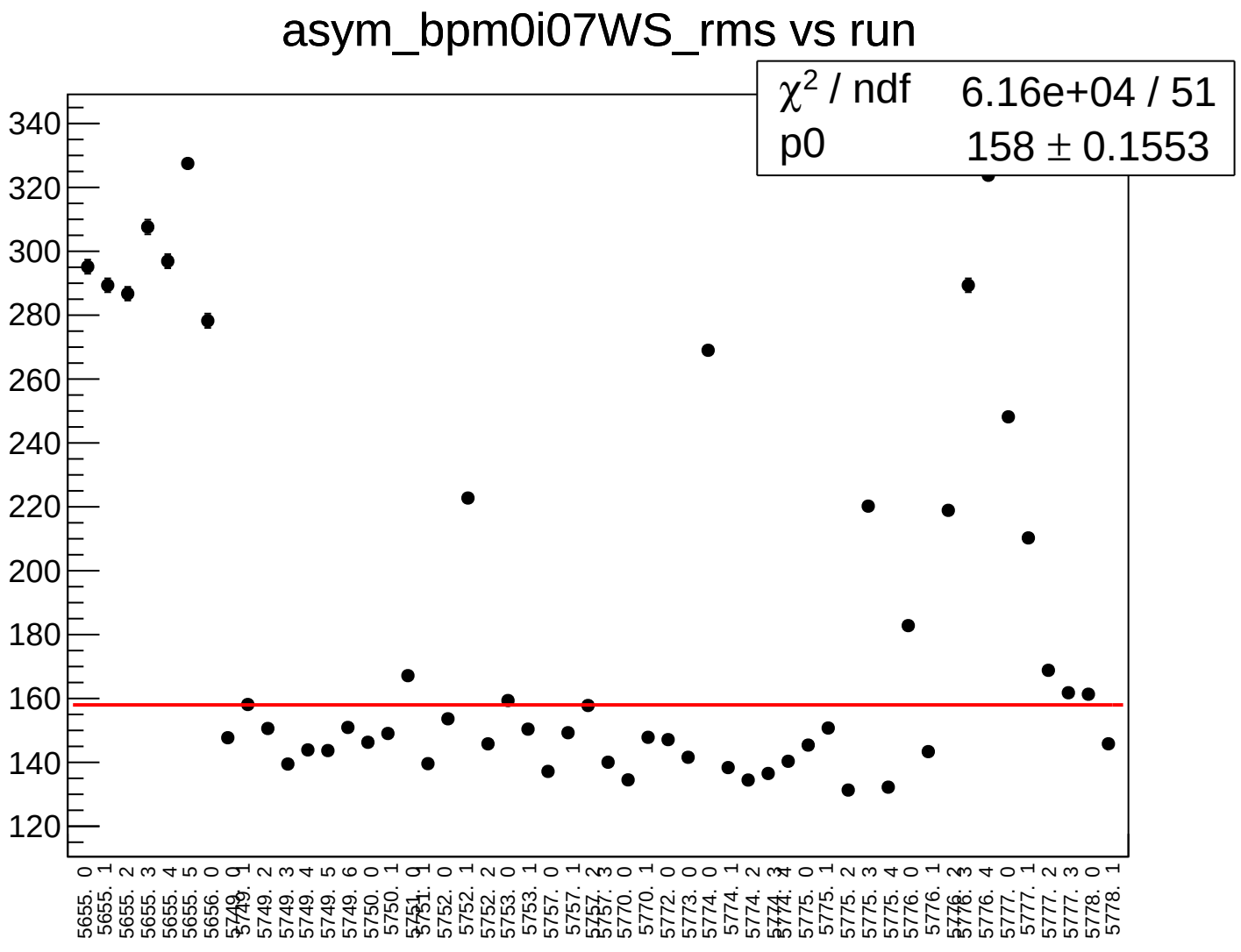

asym_bpm0i05WS_mean vs run
χ² / ndf 669.5 / 51
p0 3037 ± 180.4
pull
Entries 52
Mean 85.3
Std Dev 0

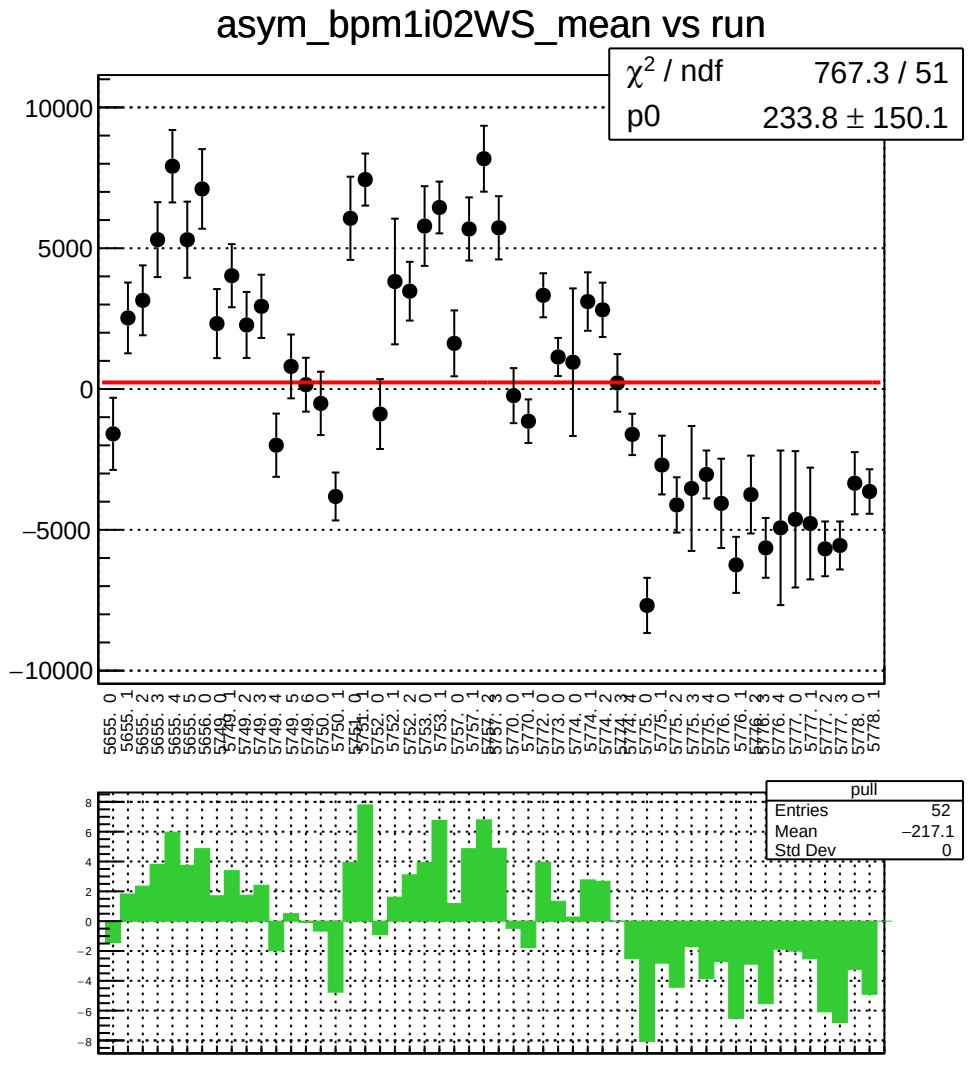

pull1D
Entries 52
Mean −0.07303
Std Dev 3.436

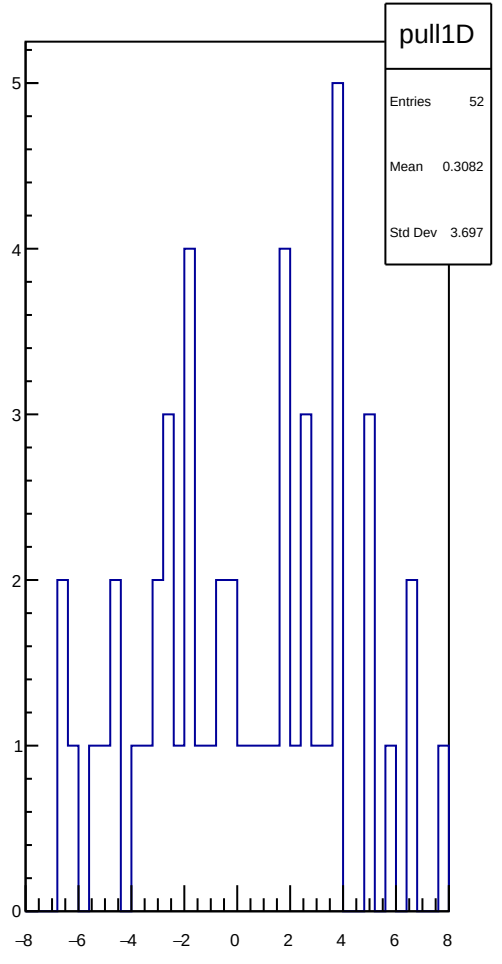

asym_bpm0i05WS_rms vs run
χ² / ndf 8.577e+04 / 51
p0 128.2 ± 0.1276
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

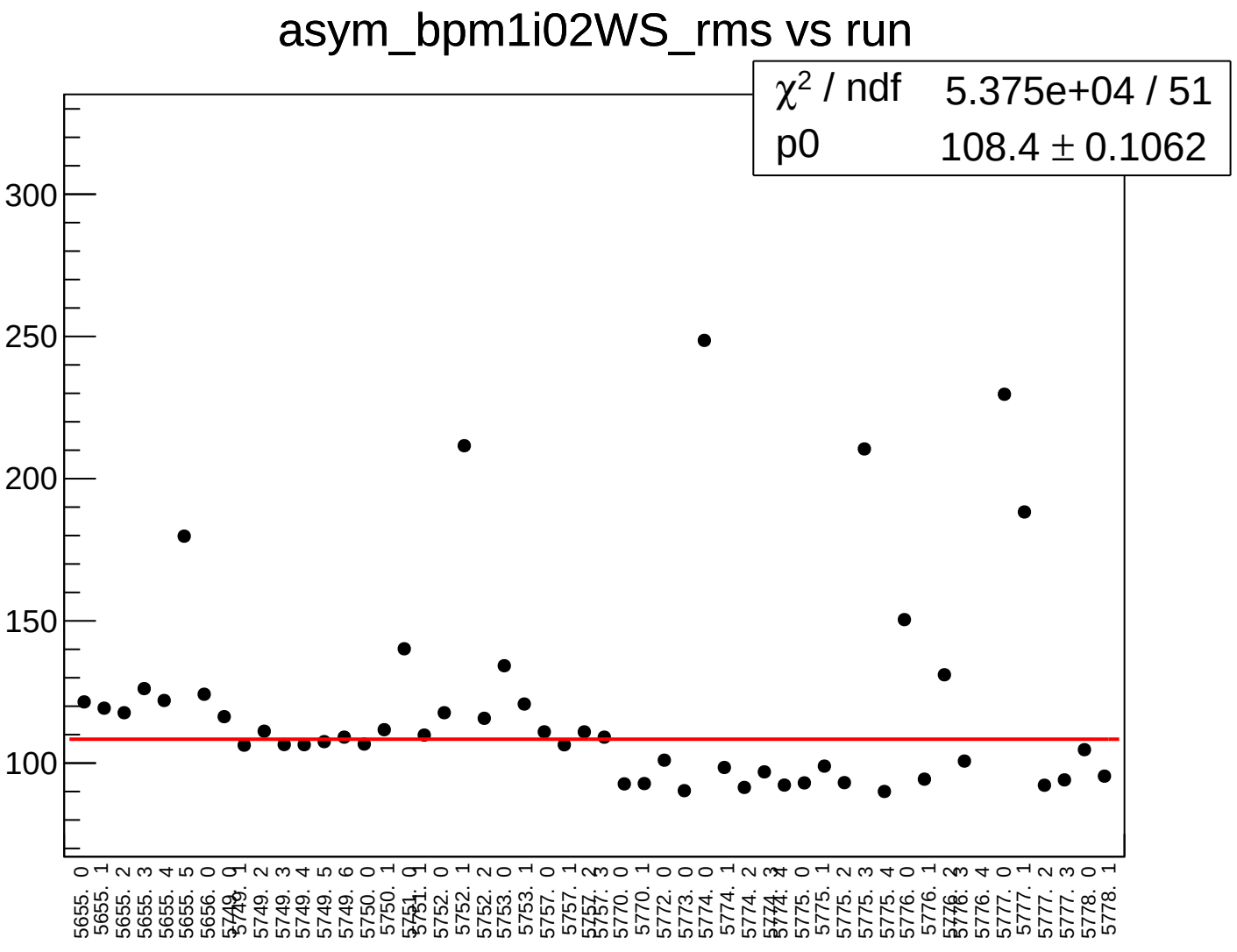

asym_bpm0i07WS_mean vs run
χ² / ndf 68.21 / 51
p0 −506.8 ± 219.6
pull
Entries 52
Mean 16.68
Std Dev 34.53

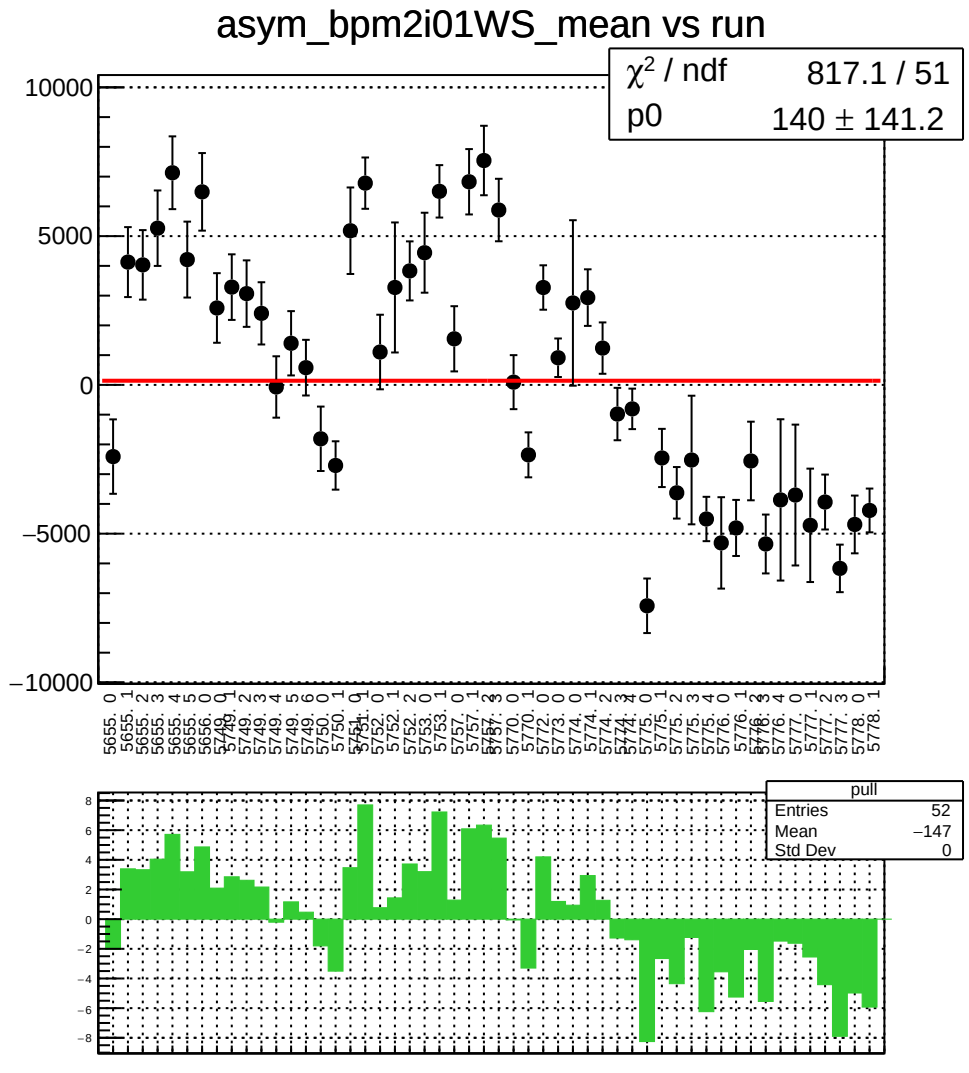

pull1D
Entries 52
Mean −0.07103
Std Dev 1.143

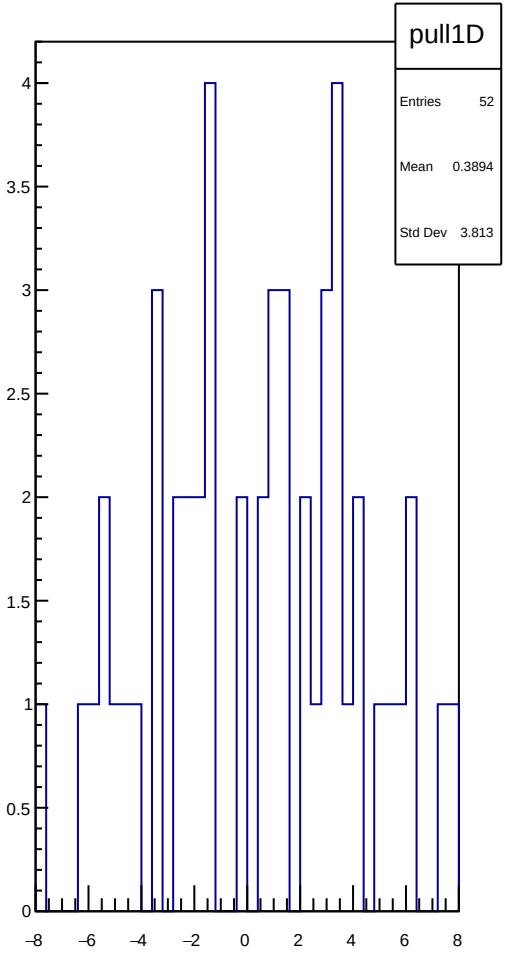

asym_bpm0i07WS_rms vs run
χ^2 / ndf 6.16e+04 / 51
p0 158 ± 0.1553
340
320
300
280
260
240
220
200
180
160
140
120
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

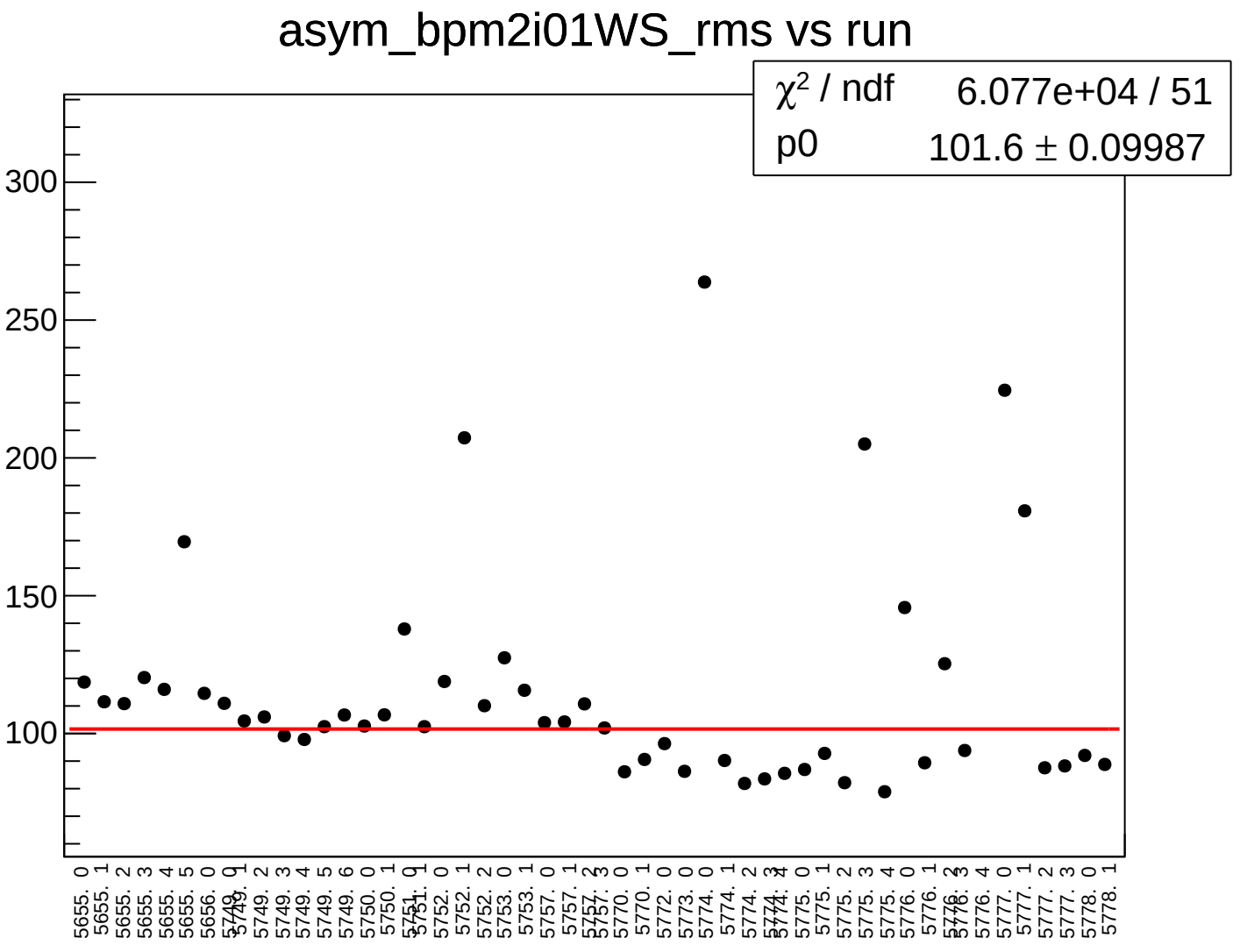

asym_bpm1i02WS_mean vs run
χ² / ndf 767.3 / 51
p0 233.8 ± 150.1
10000
5000
0
−5000
−10000
pull
Entries 52
Mean −217.1
Std Dev 0
8
6
4
2
0
−2
−4
−6
−8

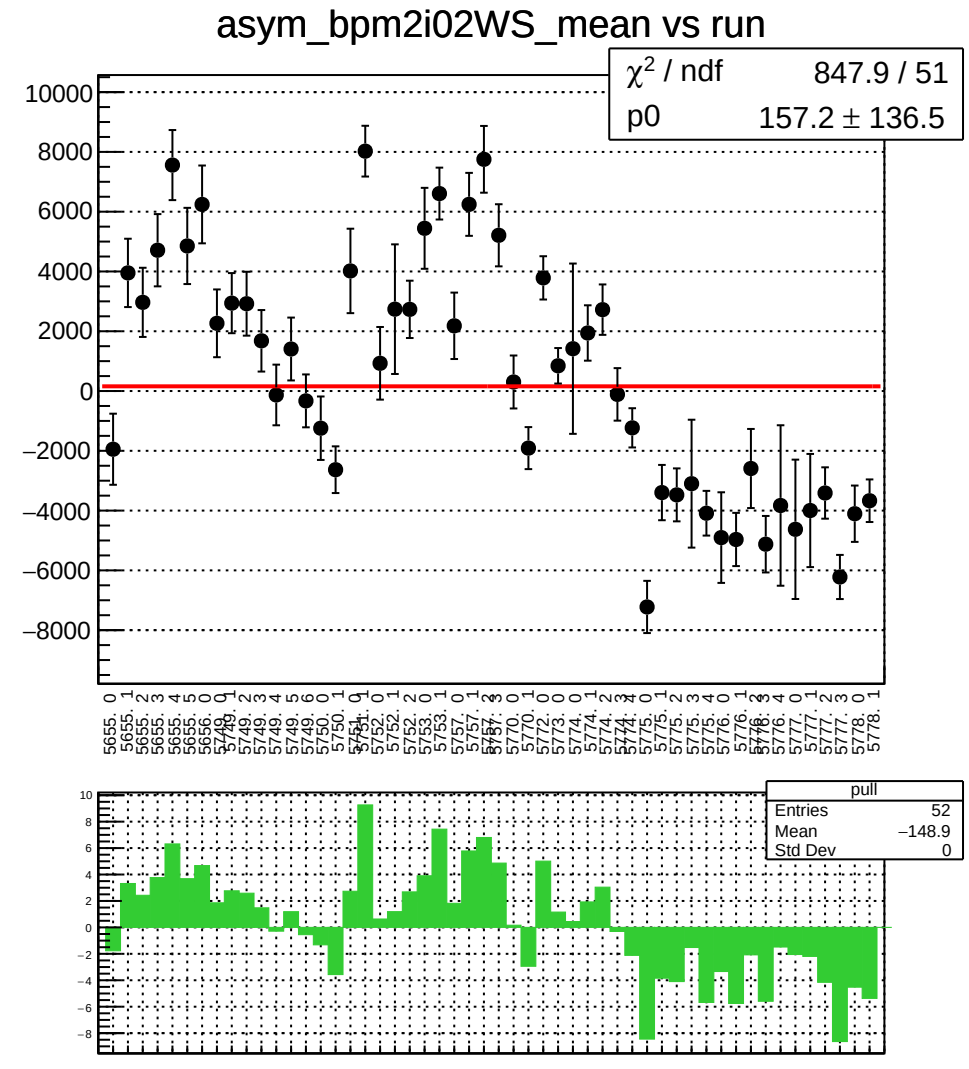

pull1D
Entries 52
Mean 0.3082
Std Dev 3.697
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

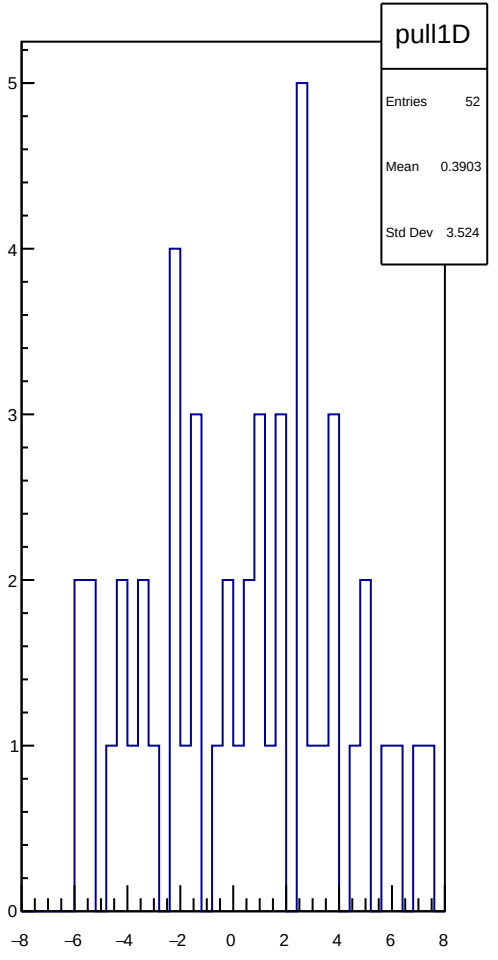

asym_bpm1i02WS_rms vs run
χ² / ndf 5.375e+04 / 51
p0 108.4 ± 0.1062
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

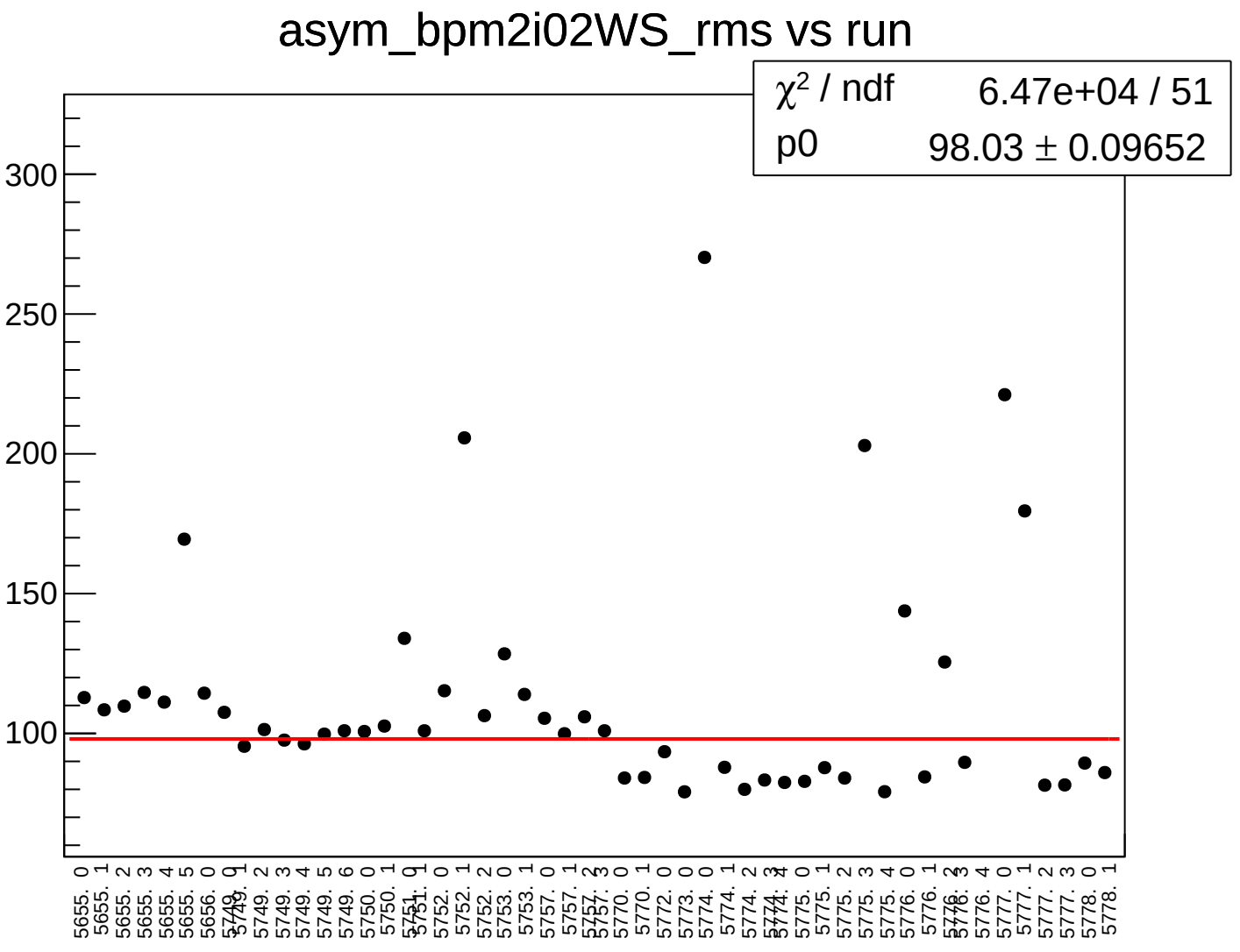

asym_bpm2i01WS_mean vs run
χ² / ndf 817.1 / 51
p0 140 ± 141.2
10000
5000
0
−5000
−10000
pull
Entries 52
Mean −147
Std Dev 0
8
6
4
2
0
−2
−4
−6
−8


pull1D
Entries 52
Mean 0.3894
Std Dev 3.813
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8


asym_bpm2i01WS_rms vs run
χ² / ndf 6.077e+04 / 51
p0 101.6 ± 0.09987
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_bpm2i02WS_mean vs run
χ² / ndf 847.9 / 51
p0 157.2 ± 136.5
pull
Entries 52
Mean −148.9
Std Dev 0


pull1D
Entries 52
Mean 0.3903
Std Dev 3.524


asym_bpm2i02WS_rms vs run
χ² / ndf 6.47e+04 / 51
p0 98.03 ± 0.09652
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
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5776. 1
5776. 4
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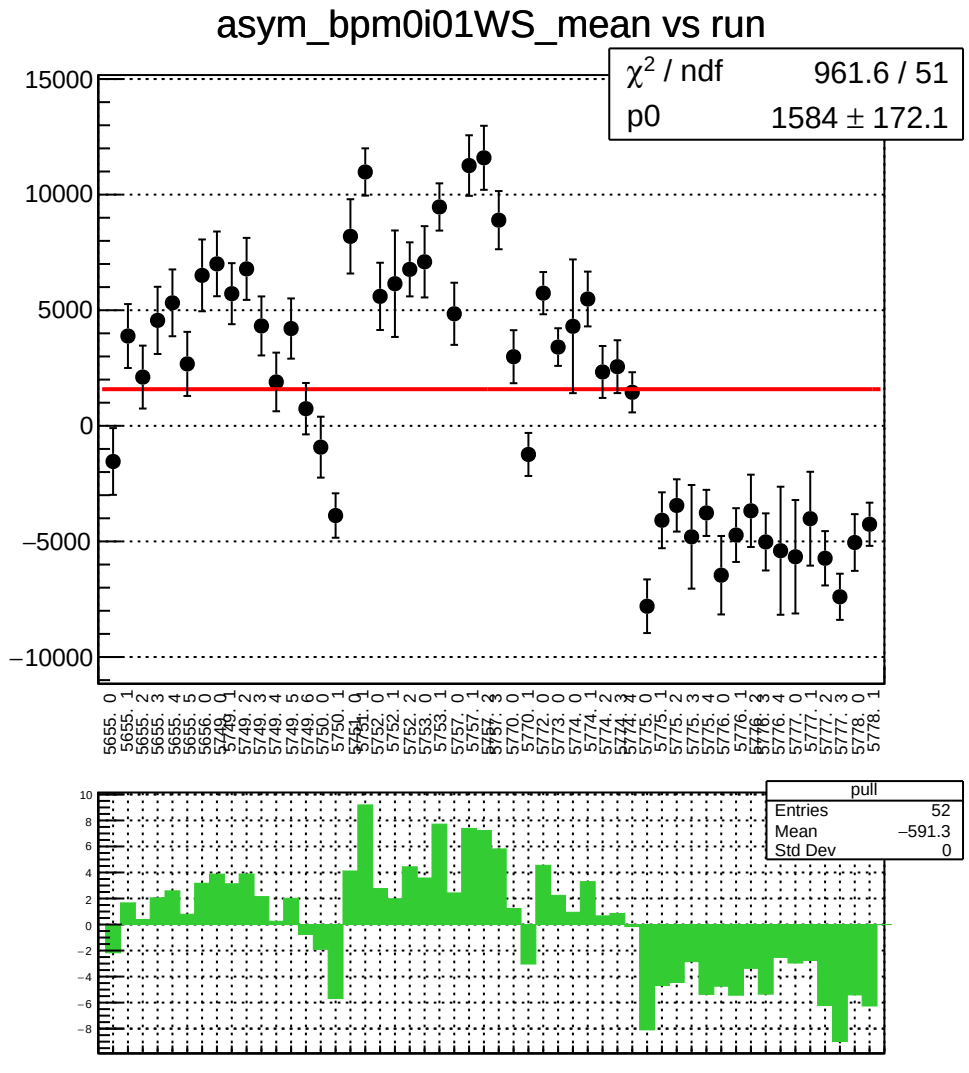
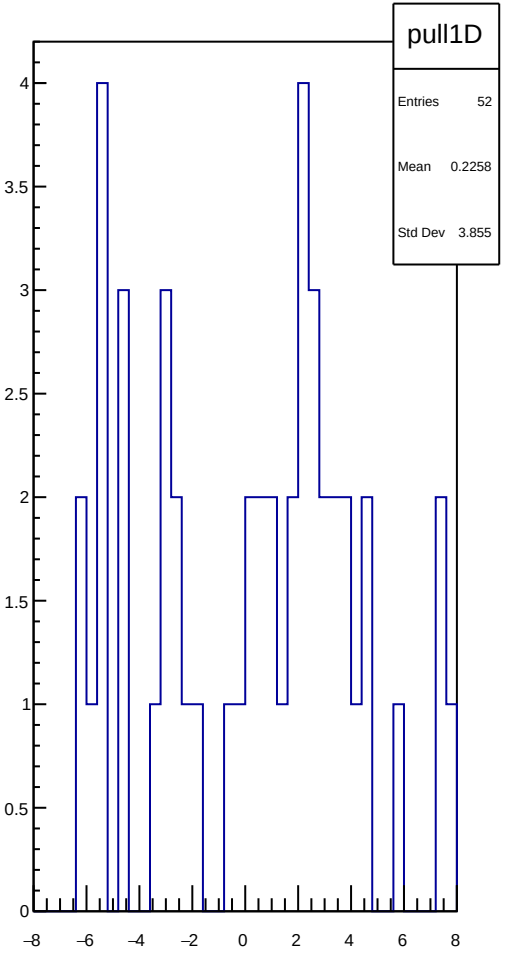
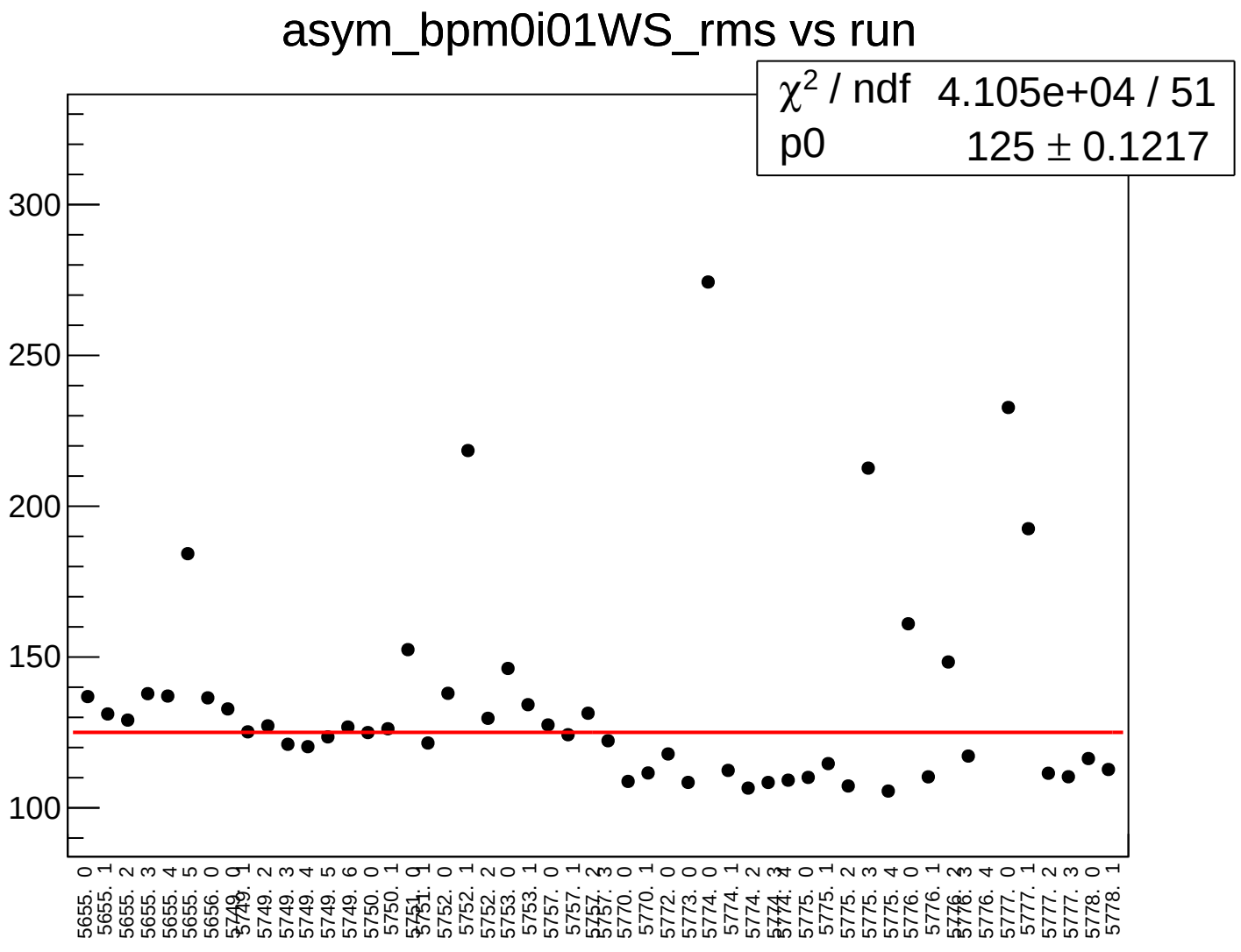
5777. 2
5777. 3
5778. 0
5778. 1


asym_bpm0i01WS_mean vs run
χ² / ndf 961.6 / 51
p0 1584 ± 172.1
pull
Entries 52
Mean −591.3
Std Dev 0


pull1D
Entries 52
Mean 0.2258
Std Dev 3.855


asym_bpm0i01WS_rms vs run
χ² / ndf 4.105e+04 / 51
p0 125 ± 0.1217
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
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5752. 2
5753. 0
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5770. 1
5772. 0
5773. 0
5774. 0
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5775. 3
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5776. 4
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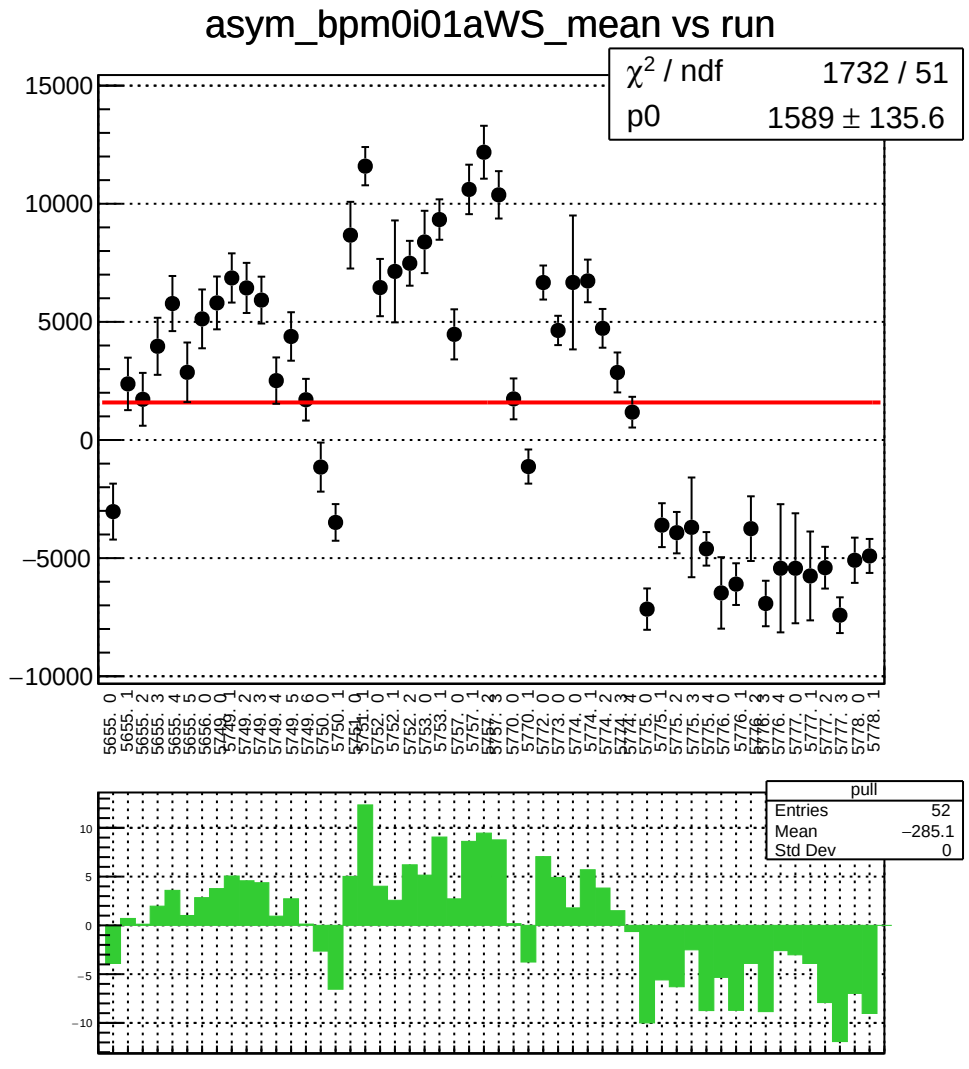
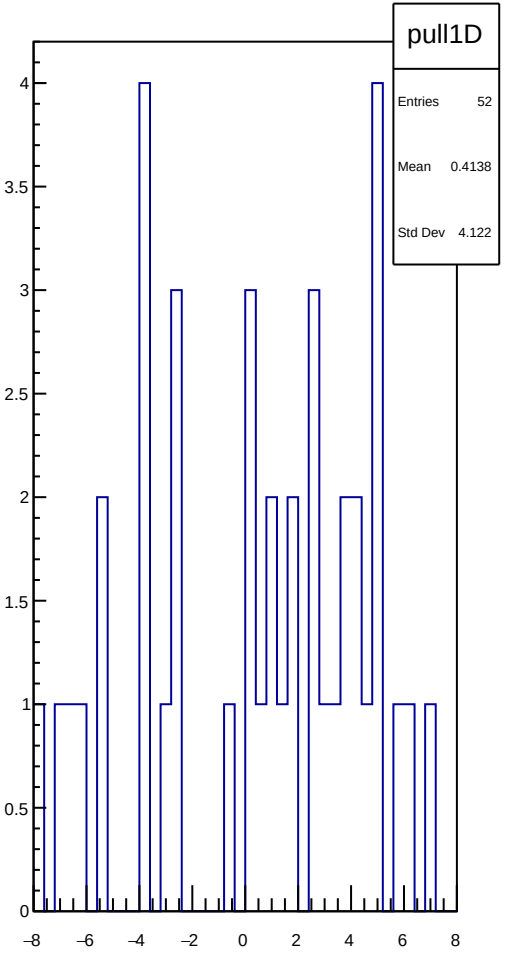
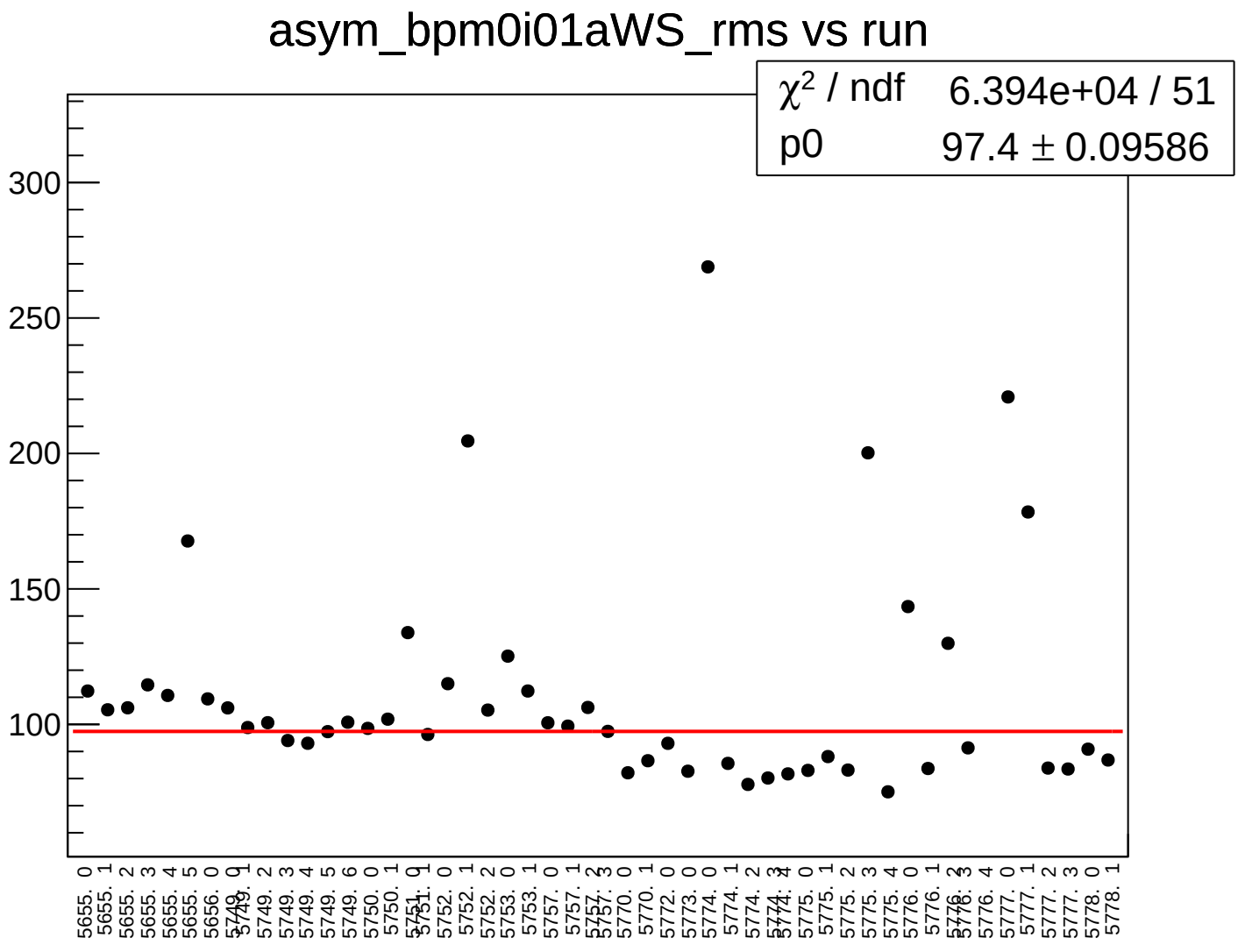
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_bpm0i01aWS_mean vs run
χ² / ndf 1732 / 51
p0 1589 ± 135.6
15000
10000
5000
0
−5000
−10000
pull
Entries 52
Mean −285.1
Std Dev 0
10
5
0
−5
−10


pull1D
Entries 52
Mean 0.4138
Std Dev 4.122
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8


asym_bpm0i01aWS_rms vs run
χ² / ndf 6.394e+04 / 51
p0 97.4 ± 0.09586
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
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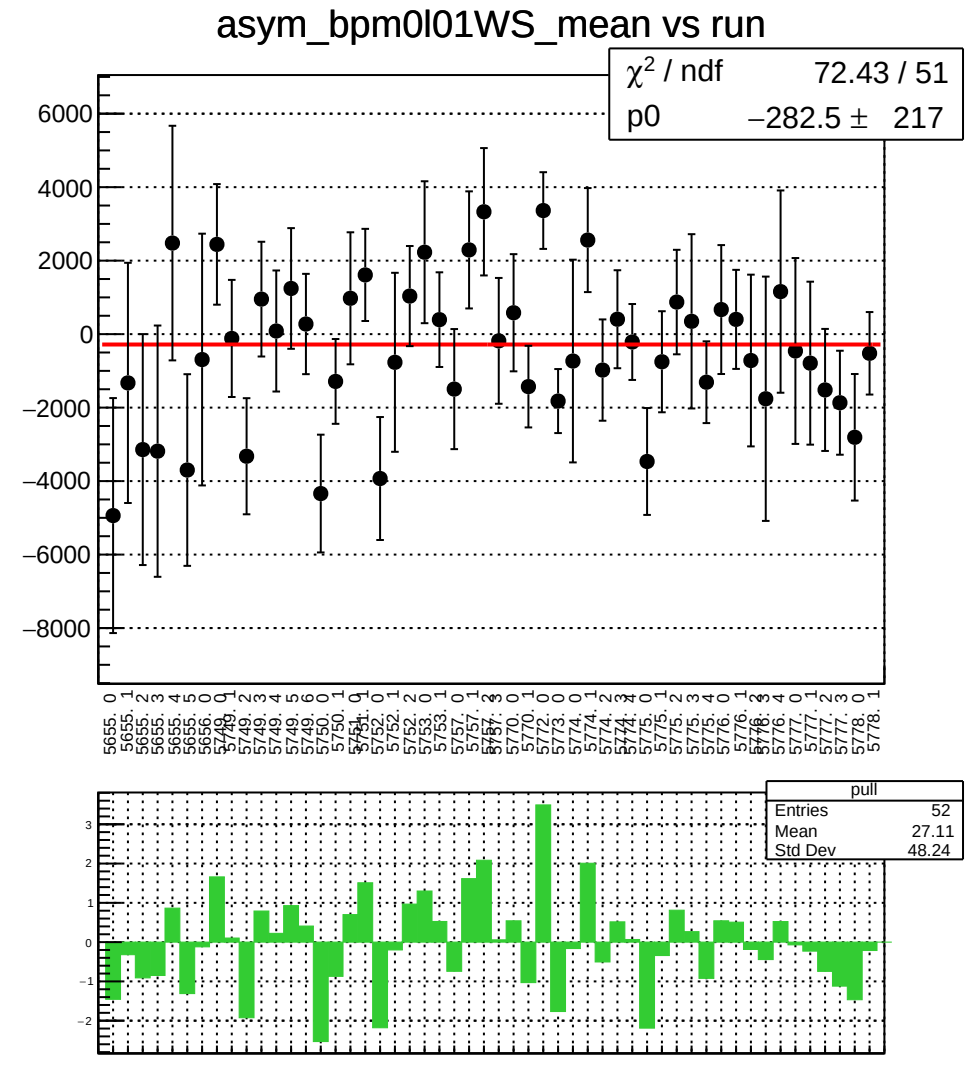
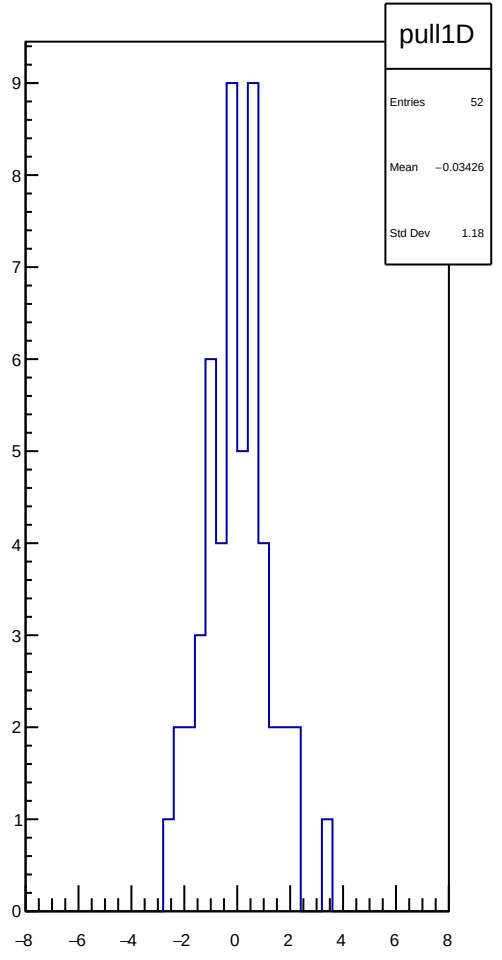
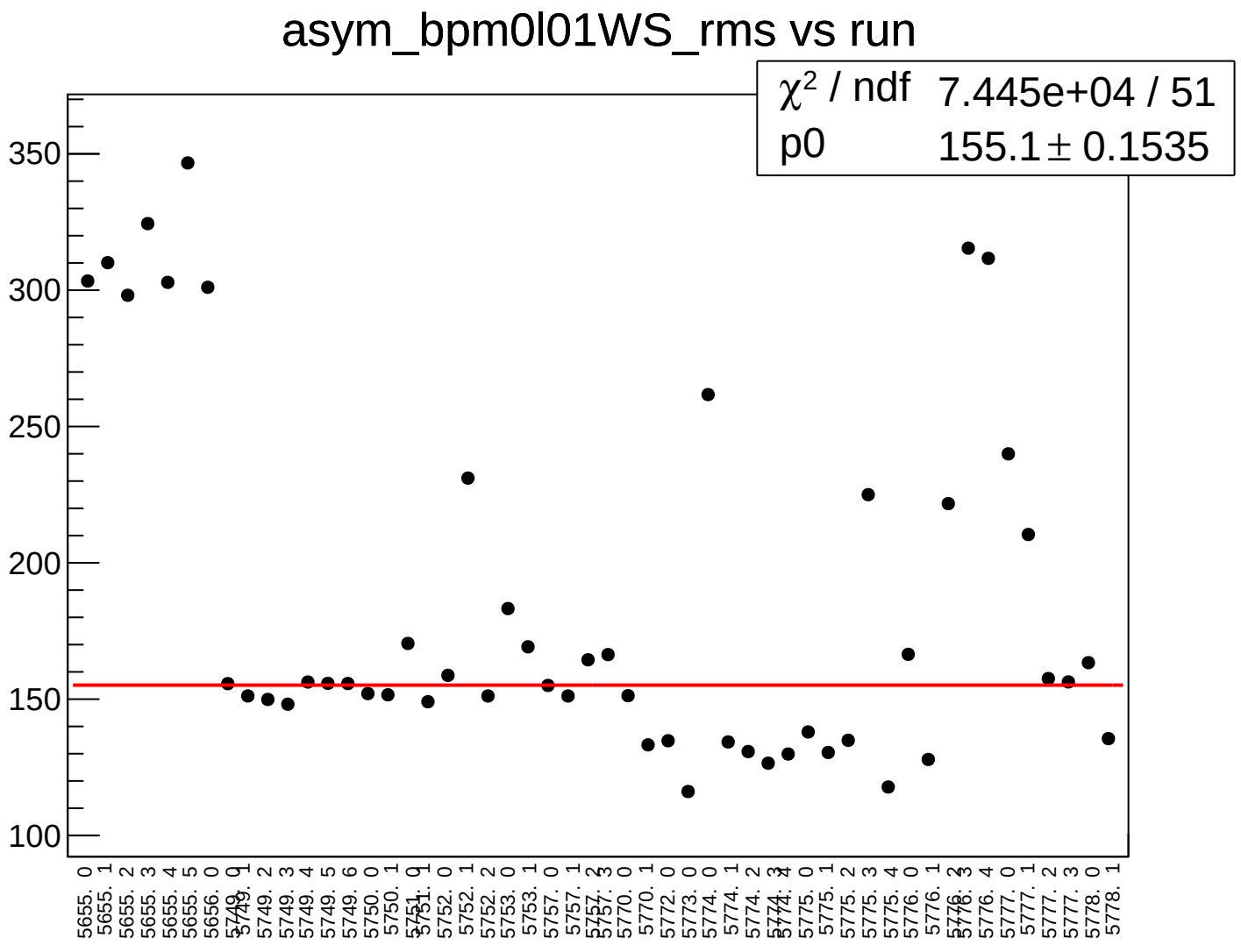
5777. 2
5777. 3
5778. 0
5778. 1


asym_bpm0l01WS_mean vs run
χ² / ndf 72.43 / 51
p0 −282.5 ± 217
pull
Entries 52
Mean 27.11
Std Dev 48.24


pull1D
Entries 52
Mean −0.03426
Std Dev 1.18


asym_bpm0l01WS_rms vs run
χ² / ndf 7.445e+04 / 51
p0 155.1 ± 0.1535
350
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
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5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
5777. 0
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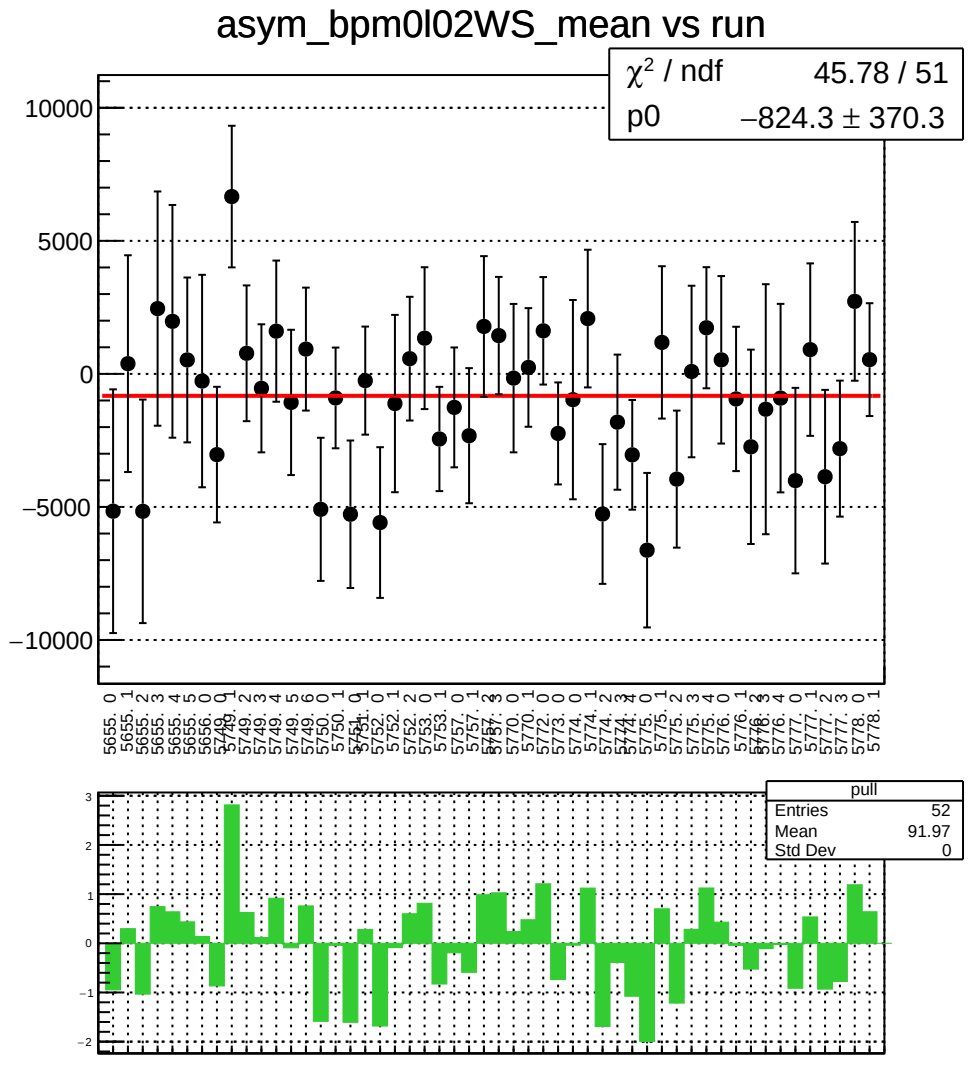
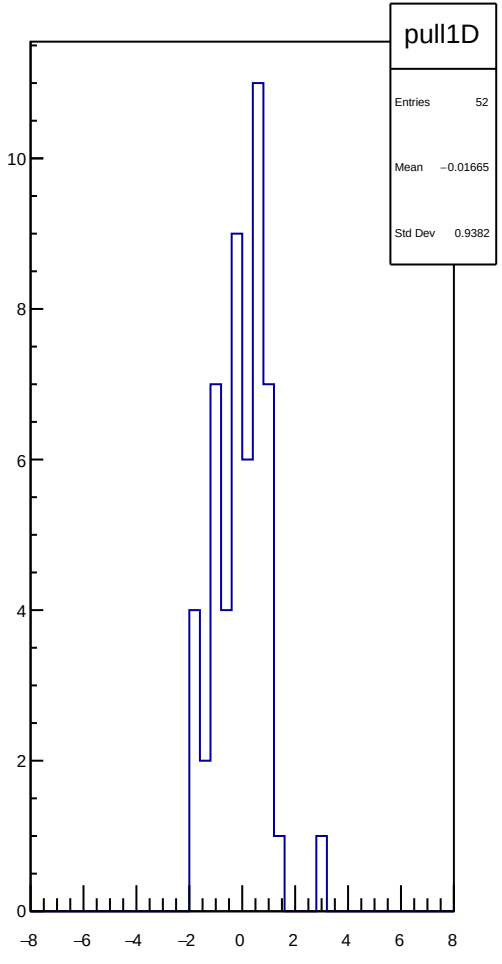
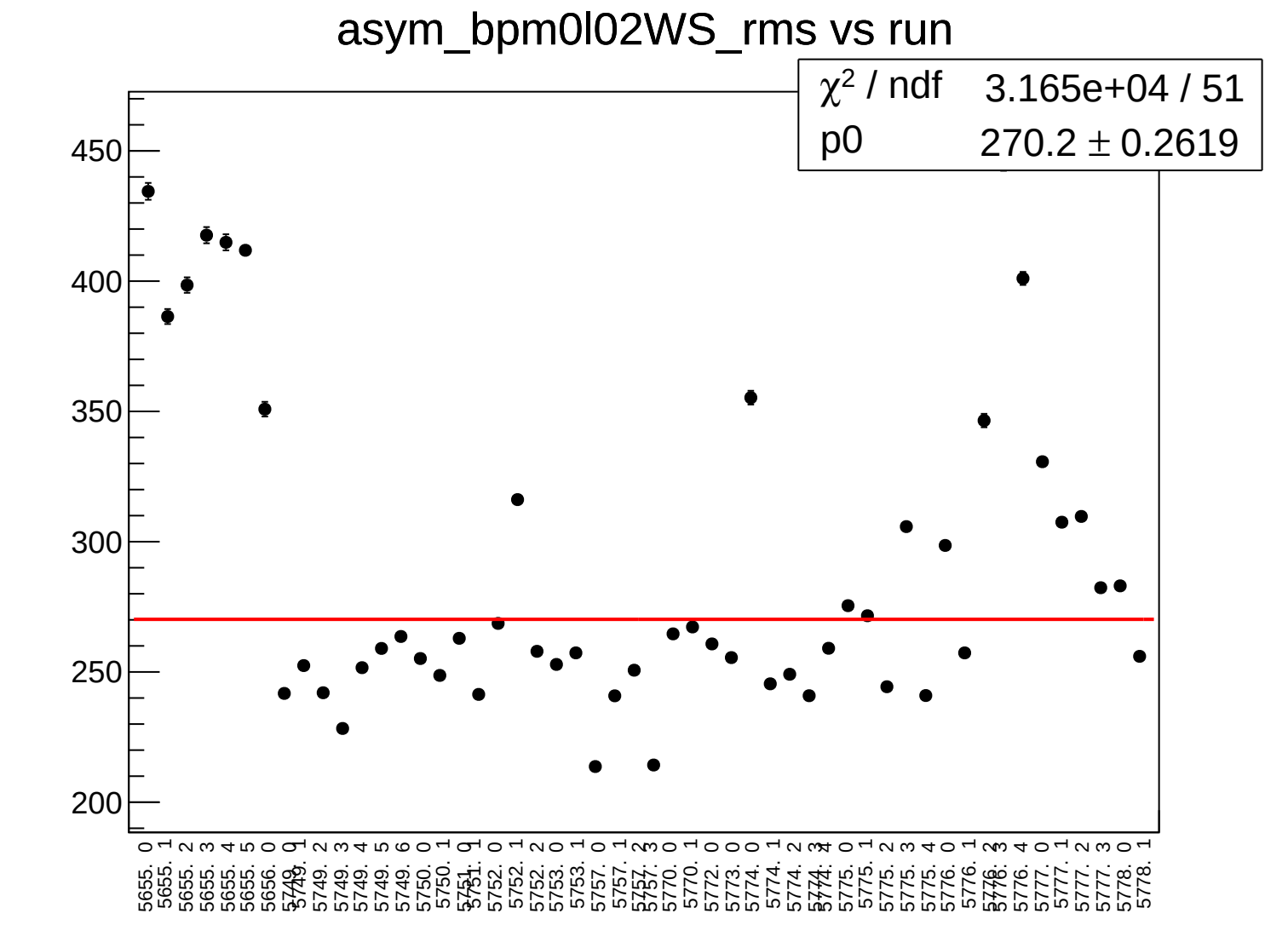
5777. 2
5777. 3
5778. 0
5778. 1


asym_bpm0l02WS_mean vs run
χ² / ndf 45.78 / 51
p0 −824.3 ± 370.3
10000
5000
0
−5000
−10000
pull
Entries 52
Mean 91.97
Std Dev 0


pull1D
Entries 52
Mean −0.01665
Std Dev 0.9382


asym_bpm0l02WS_rms vs run
χ² / ndf 3.165e+04 / 51
p0 270.2 ± 0.2619
450
400
350
300
250
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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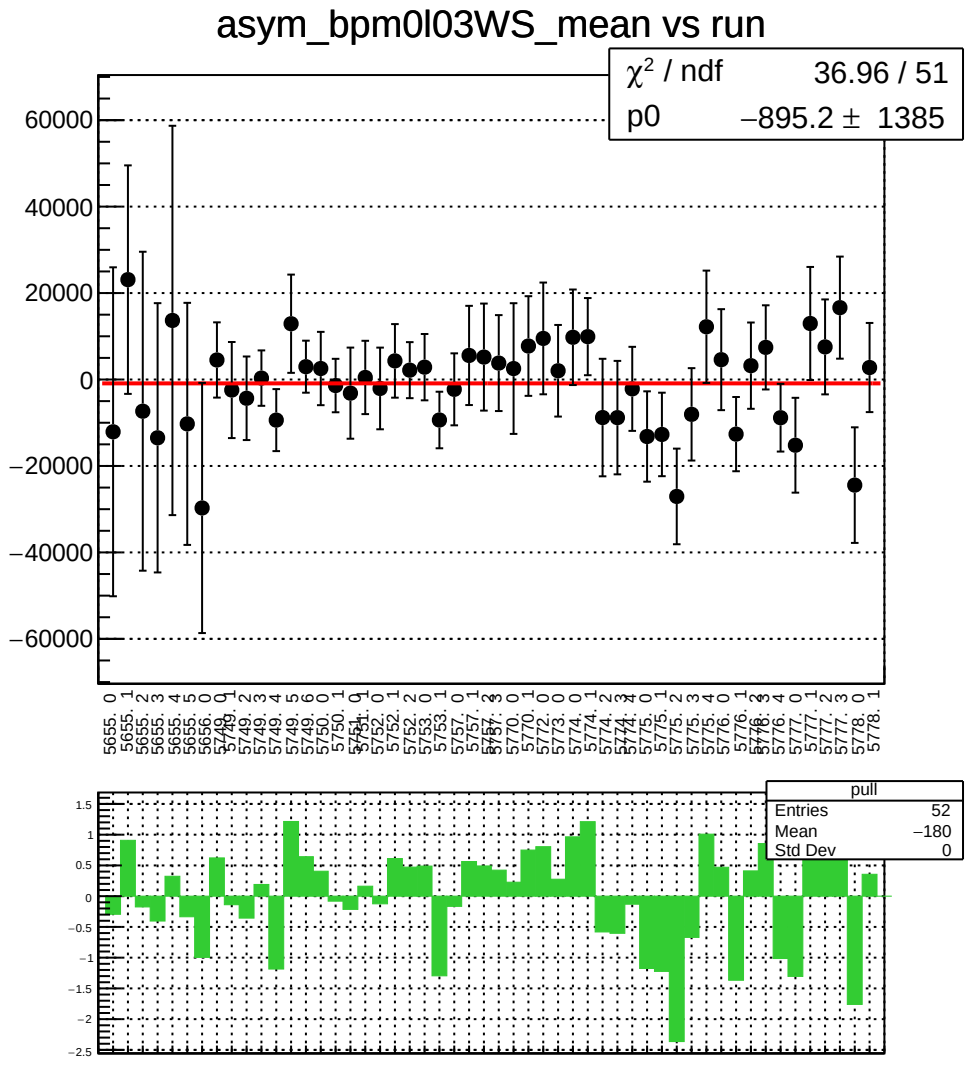
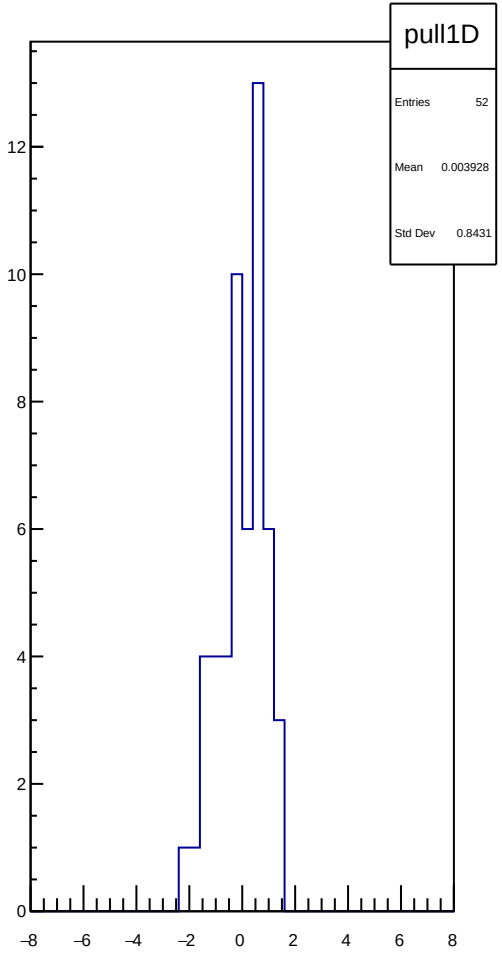
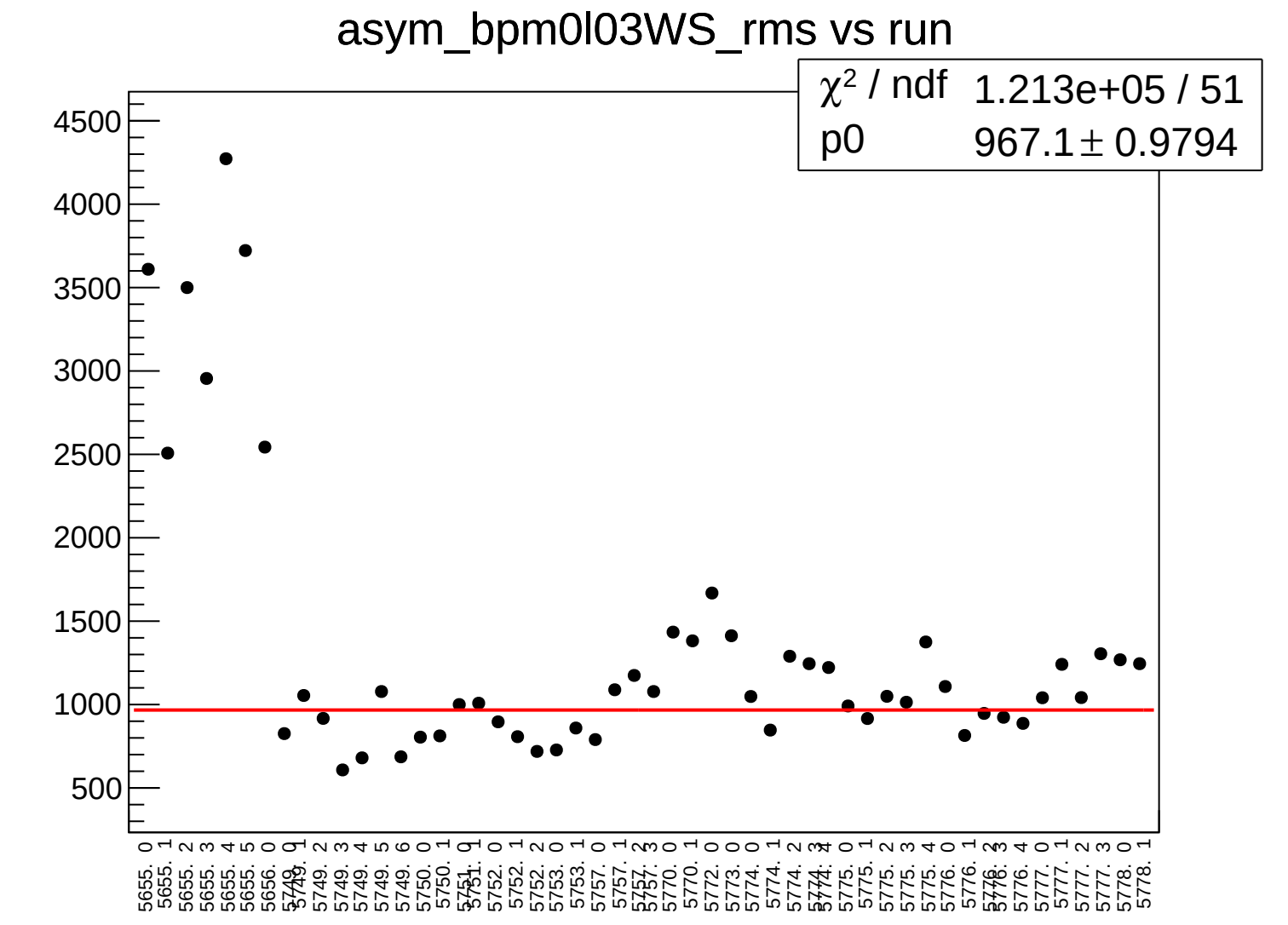
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_bpm0l03WS_mean vs run
χ² / ndf 36.96 / 51
p0 −895.2 ± 1385
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −180
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 52
Mean 0.003928
Std Dev 0.8431
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bpm0l03WS_rms vs run
χ² / ndf 1.213e+05 / 51
p0 967.1 ± 0.9794
4500
4000
3500
3000
2500
2000
1500
1000
500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
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5753. 0
5753. 1
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5757. 2
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5774. 2
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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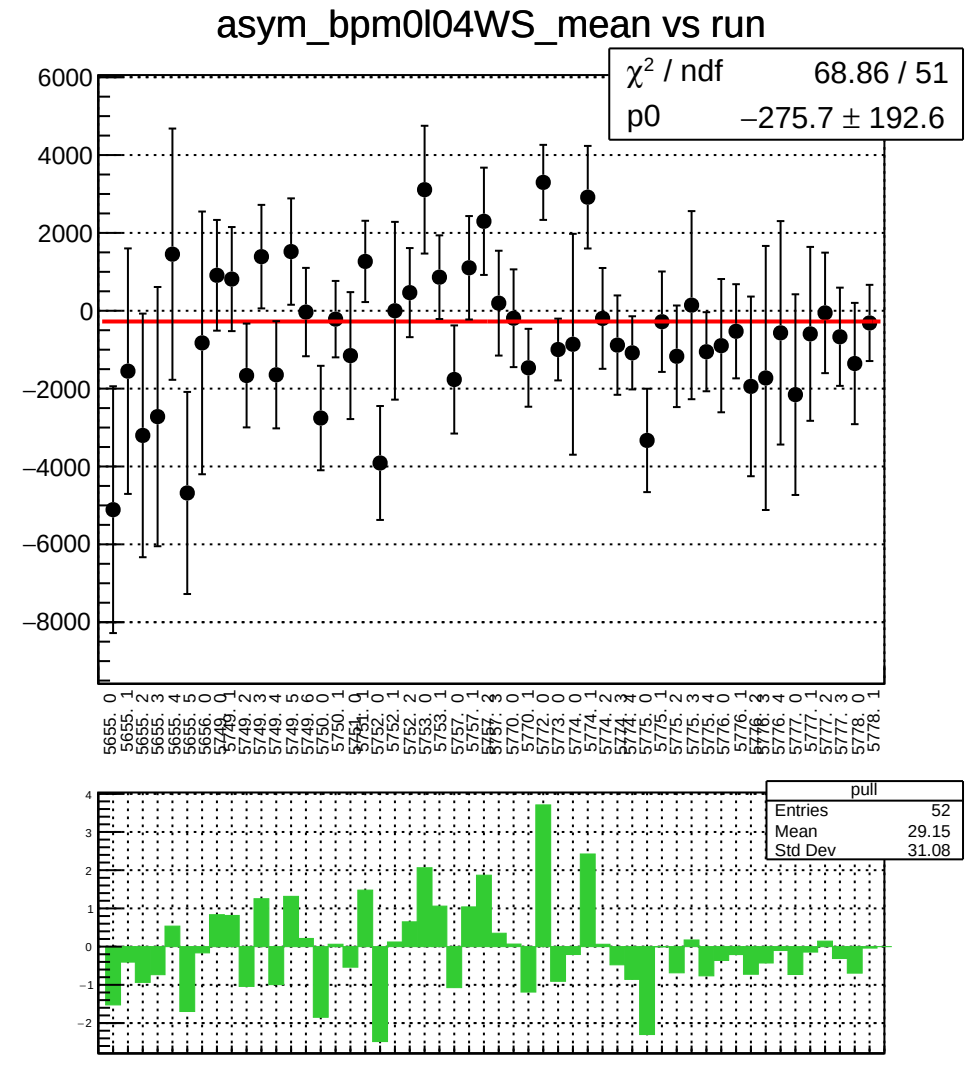
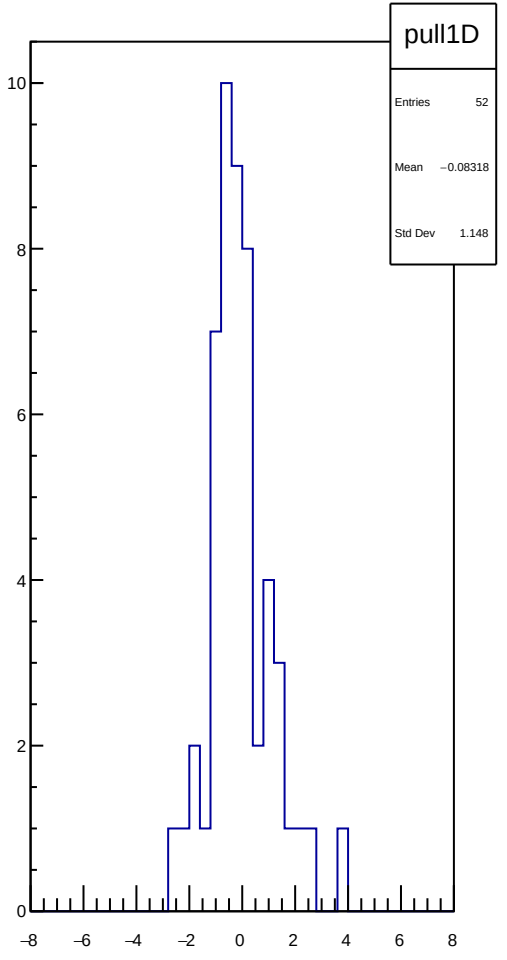
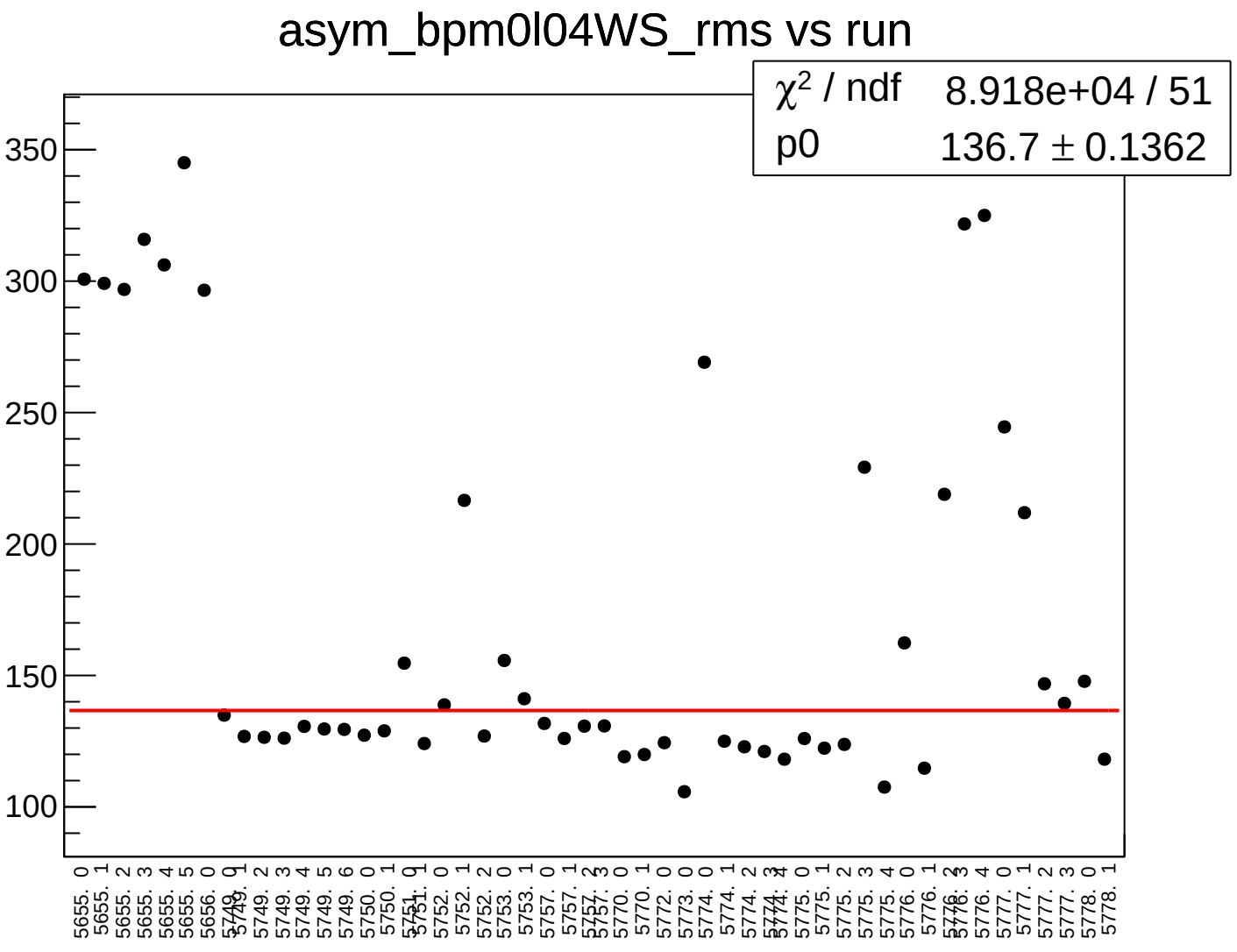
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_bpm0l04WS_mean vs run
χ² / ndf 68.86 / 51
p0 −275.7 ± 192.6
pull
Entries 52
Mean 29.15
Std Dev 31.08


pull1D
Entries 52
Mean −0.08318
Std Dev 1.148


asym_bpm0l04WS_rms vs run
χ² / ndf 8.918e+04 / 51
p0 136.7 ± 0.1362
350
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
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5774. 1
5774. 2
5774. 3
5774. 4
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5775. 2
5775. 3
5775. 4
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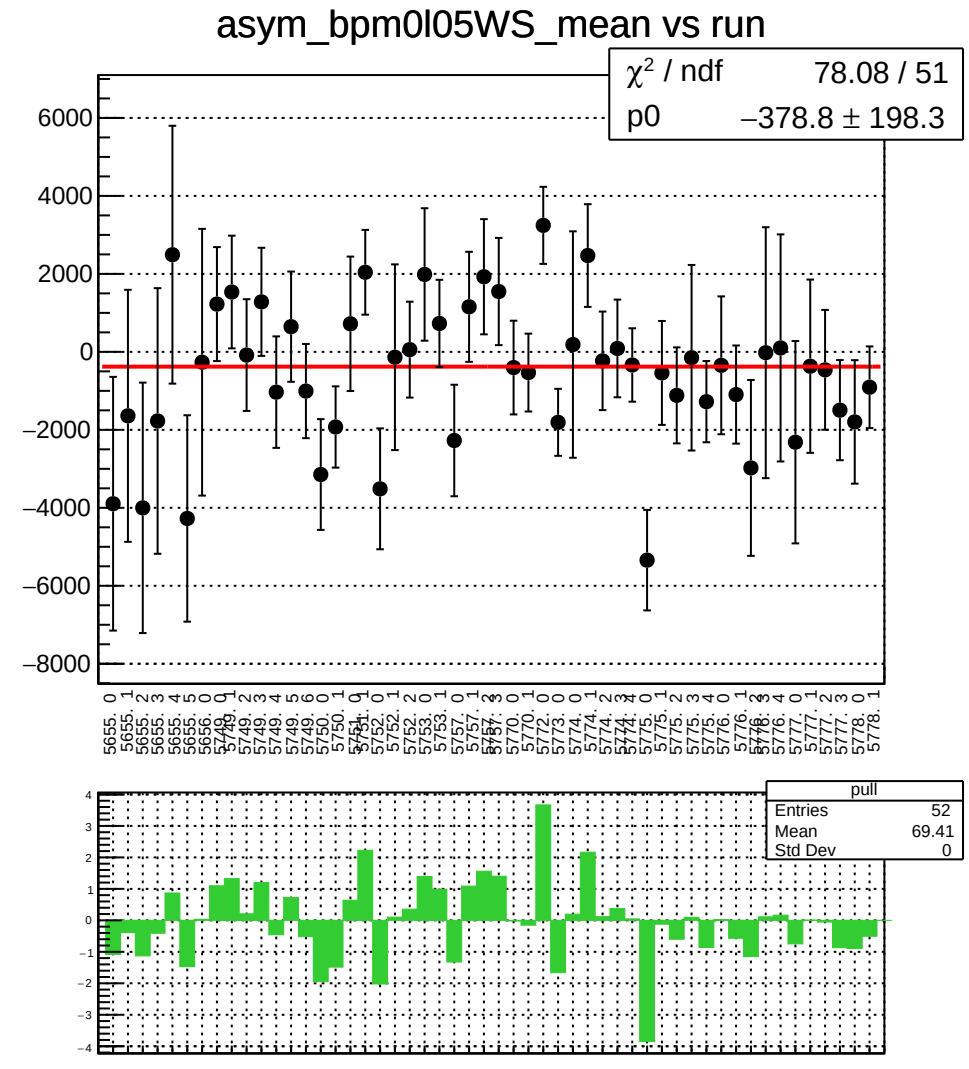
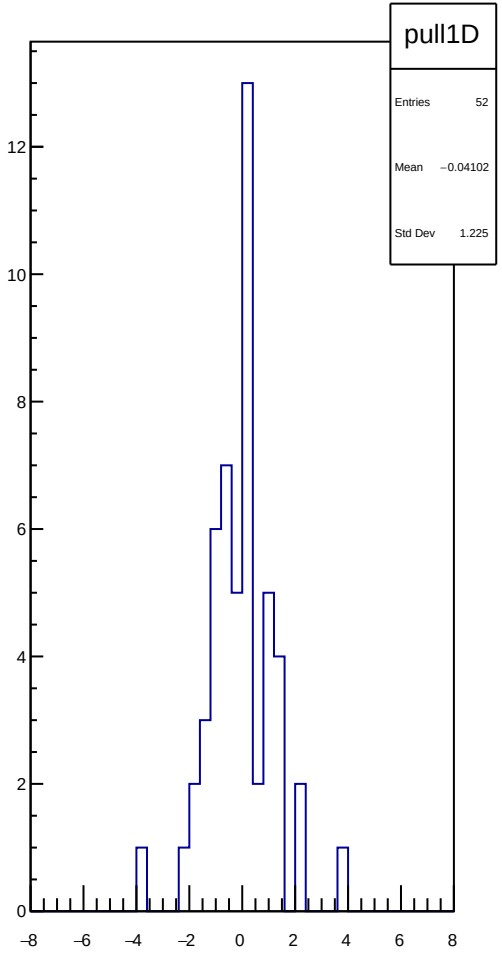
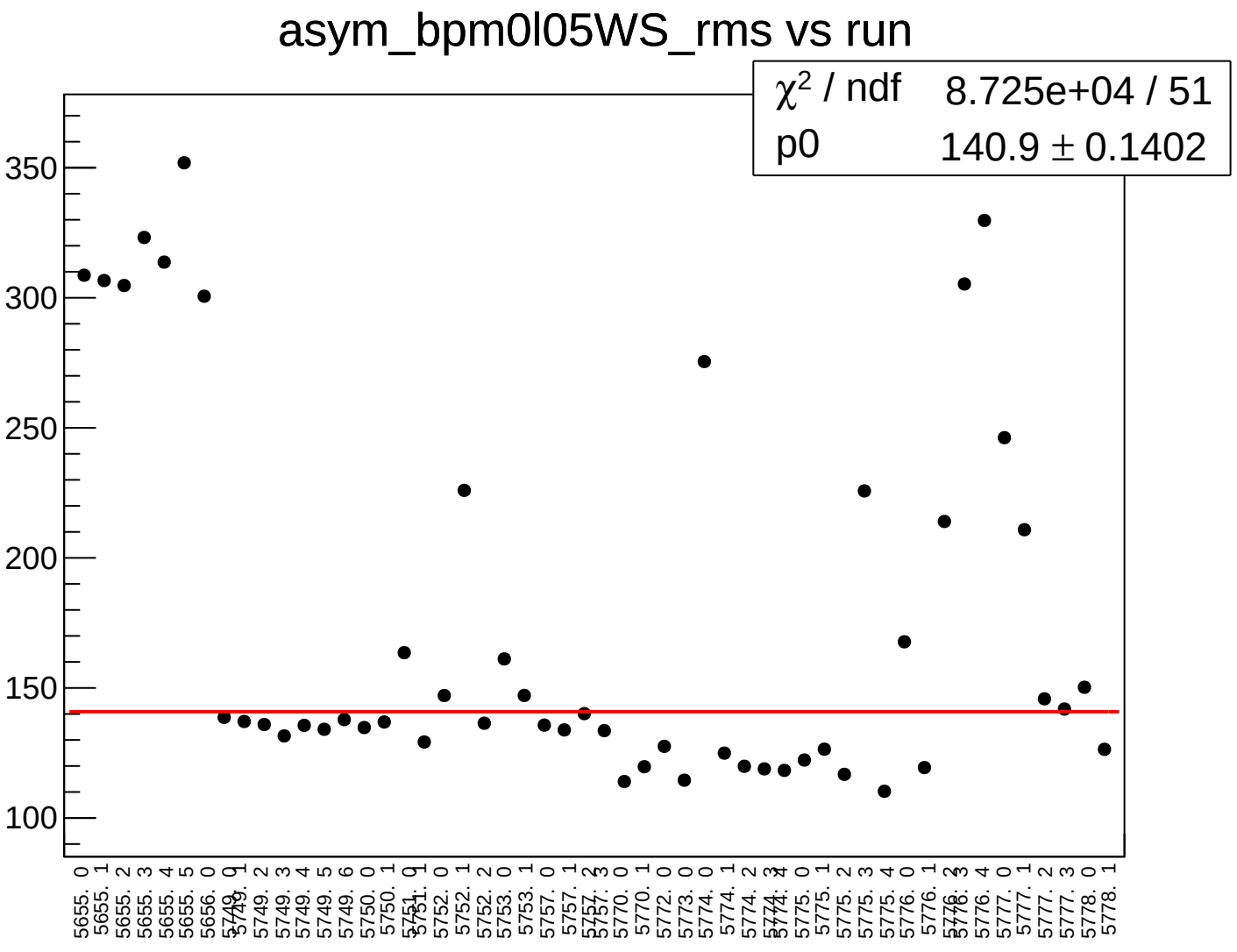
5777. 3
5778. 0
5778. 1


asym_bpm0l05WS_mean vs run
χ² / ndf 78.08 / 51
p0 −378.8 ± 198.3
pull
Entries 52
Mean 69.41
Std Dev 0


pull1D
Entries 52
Mean −0.04102
Std Dev 1.225


asym_bpm0l05WS_rms vs run
χ² / ndf 8.725e+04 / 51
p0 140.9 ± 0.1402
350
300
250
200
150
100
5655. 0
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5655. 2
5655. 3
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5655. 5
5656. 0
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5749. 2
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5775. 3
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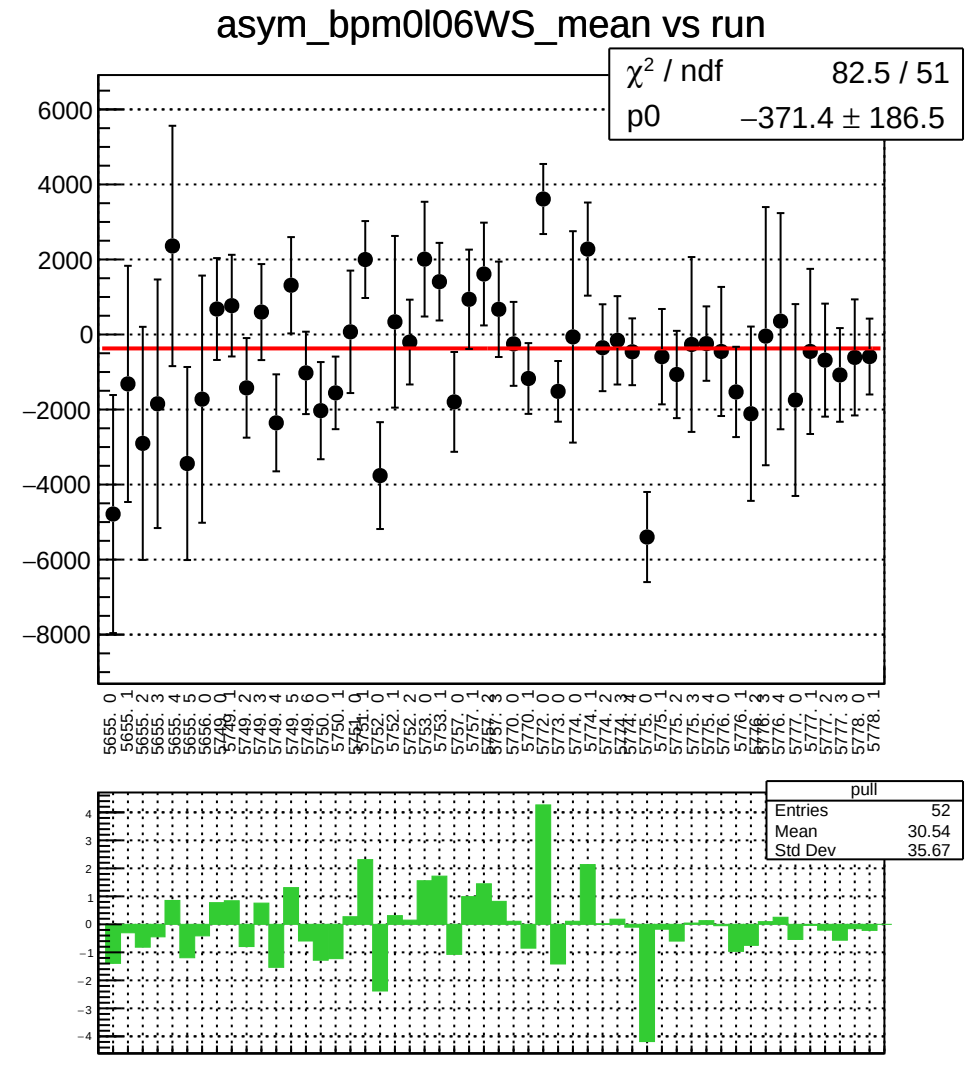
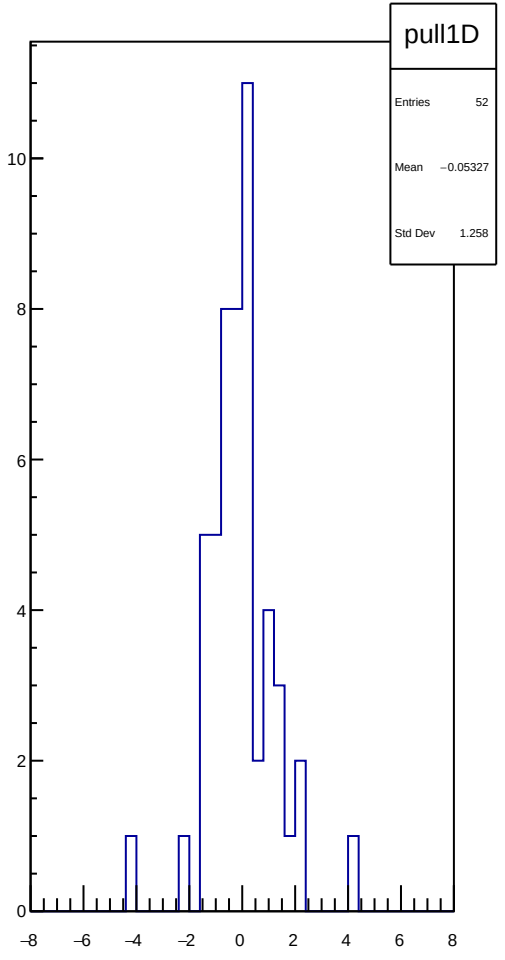
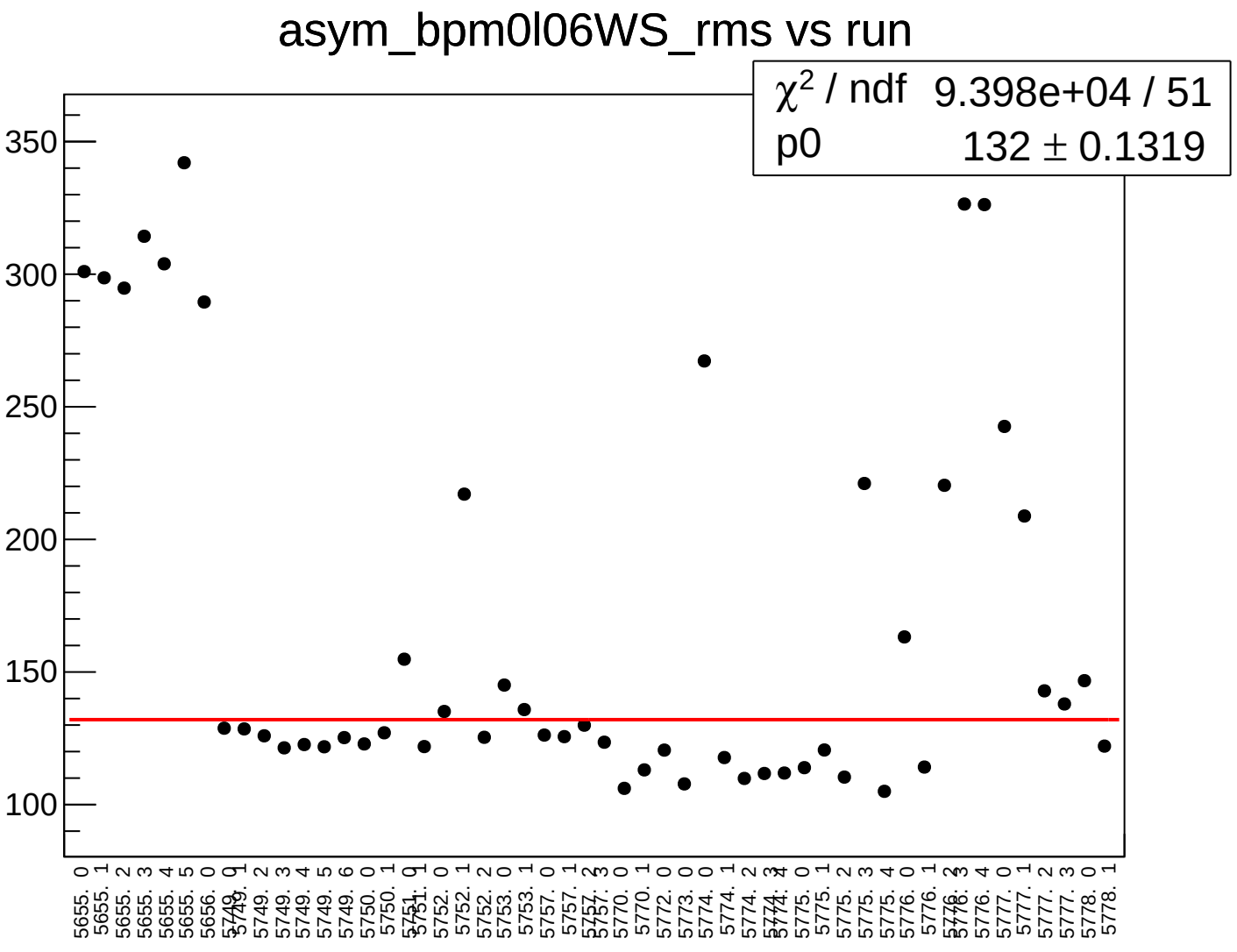
5778. 1


asym_bpm0l06WS_mean vs run
χ² / ndf 82.5 / 51
p0 −371.4 ± 186.5
pull
Entries 52
Mean 30.54
Std Dev 35.67


pull1D
Entries 52
Mean −0.05327
Std Dev 1.258


asym_bpm0l06WS_rms vs run
χ^2 / ndf 9.398e+04 / 51
p0 132 ± 0.1319
350
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5774. 0
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5774. 4
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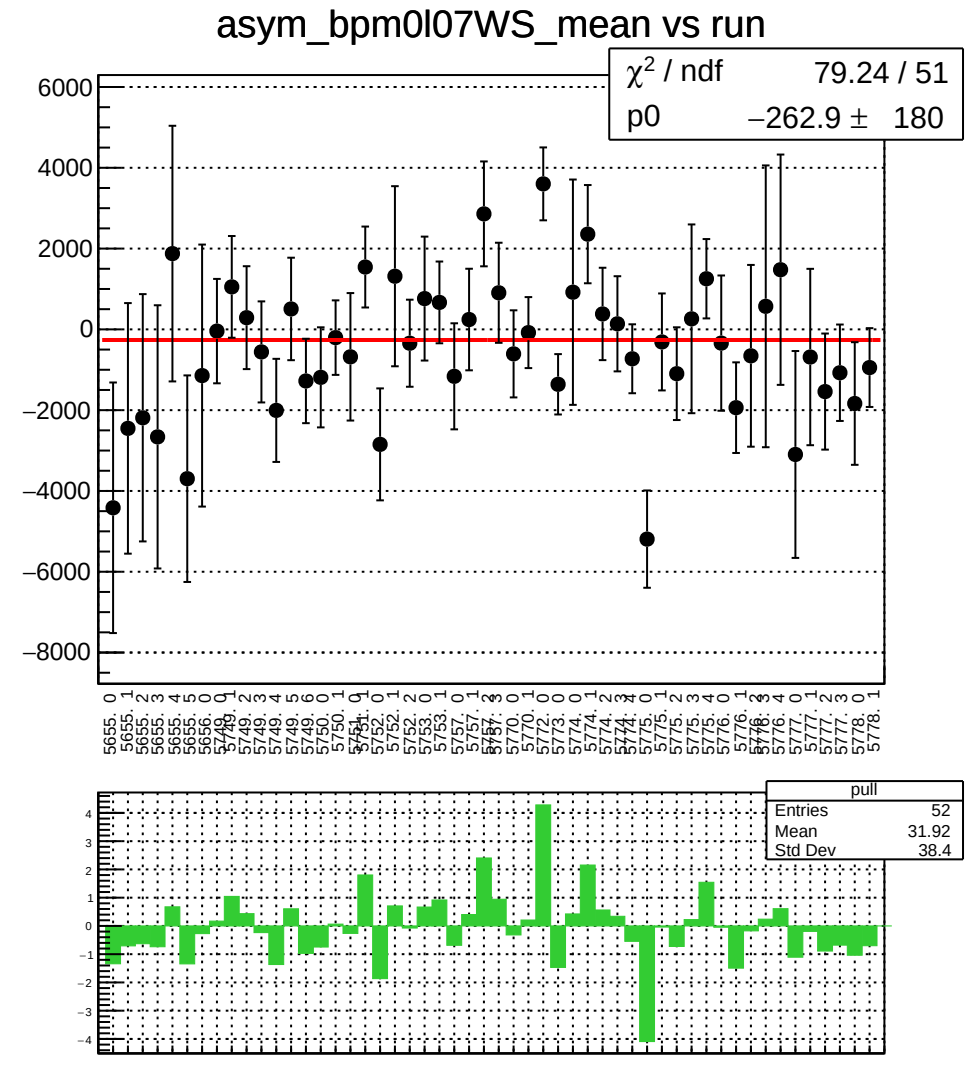
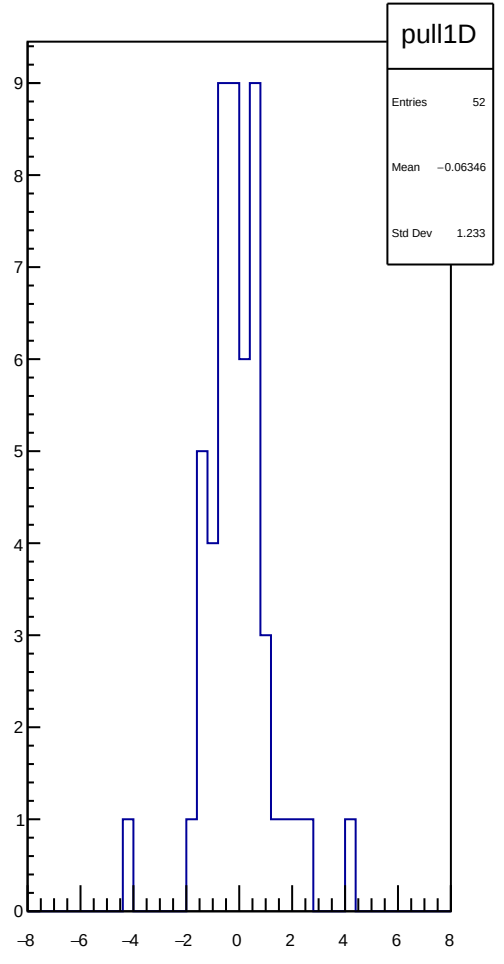
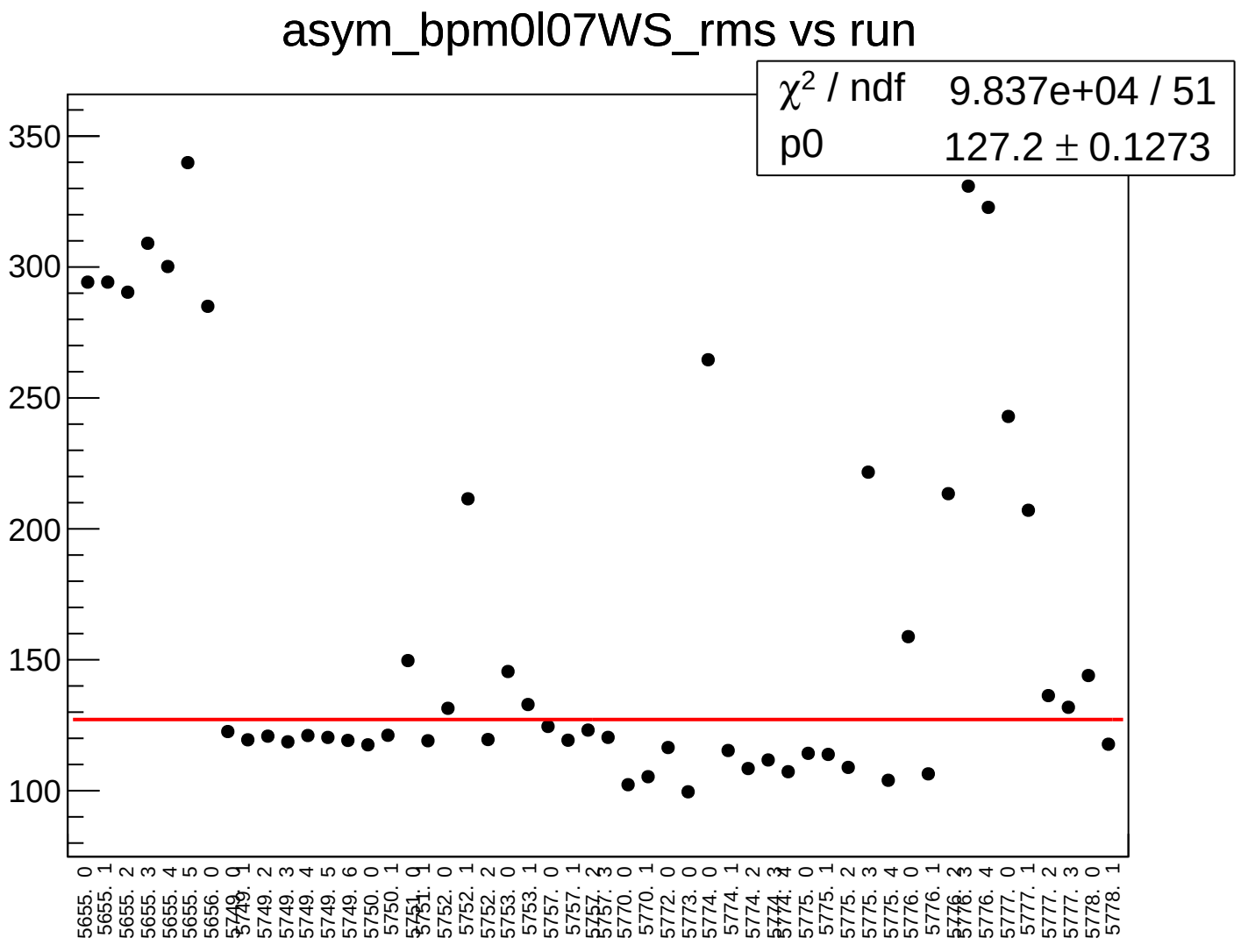

asym_bpm0l07WS_mean vs run
χ² / ndf 79.24 / 51
p0 −262.9 ± 180
pull
Entries 52
Mean 31.92
Std Dev 38.4


pull1D
Entries 52
Mean −0.06346
Std Dev 1.233


asym_bpm0l07WS_rms vs run
χ^2 / ndf 9.837e+04 / 51
p0 127.2 ± 0.1273
350
300
250
200
150
100
5655. 0
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5655. 2
5655. 3
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5656. 0
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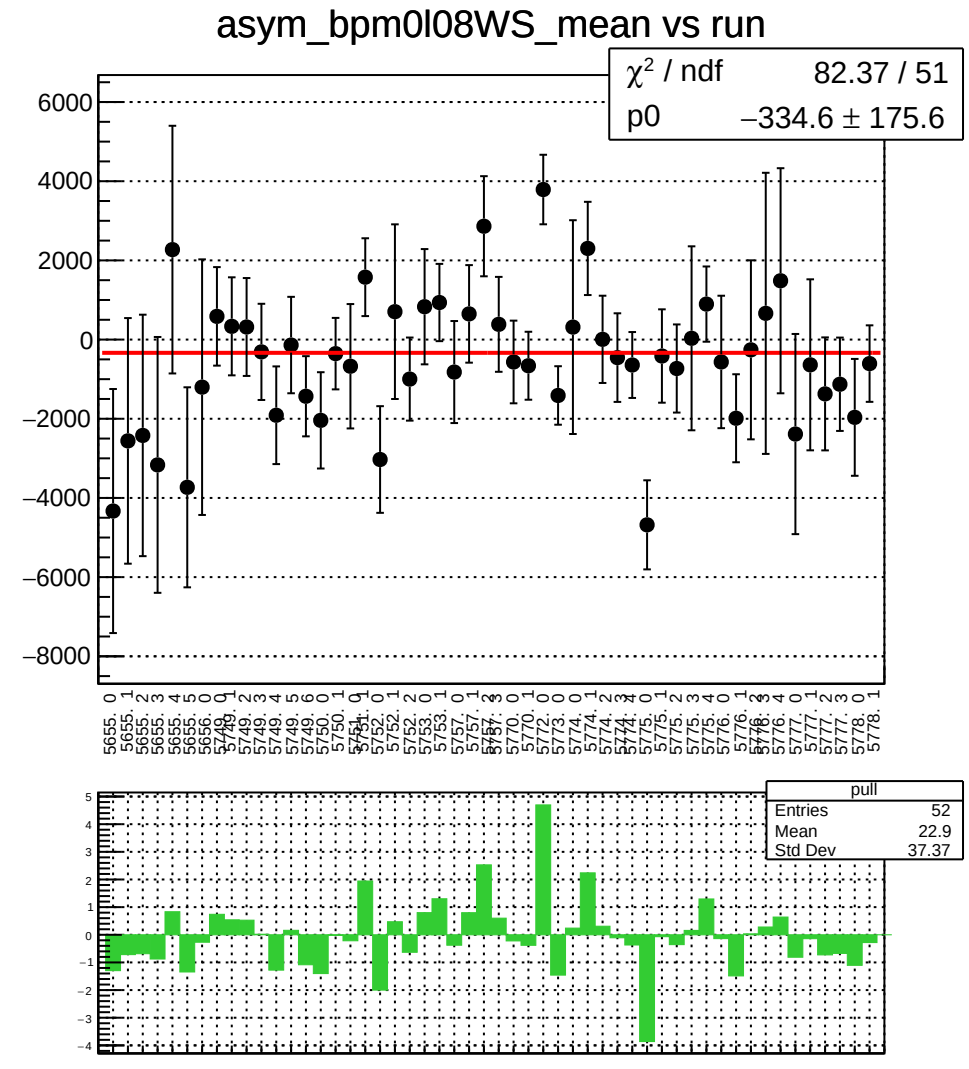
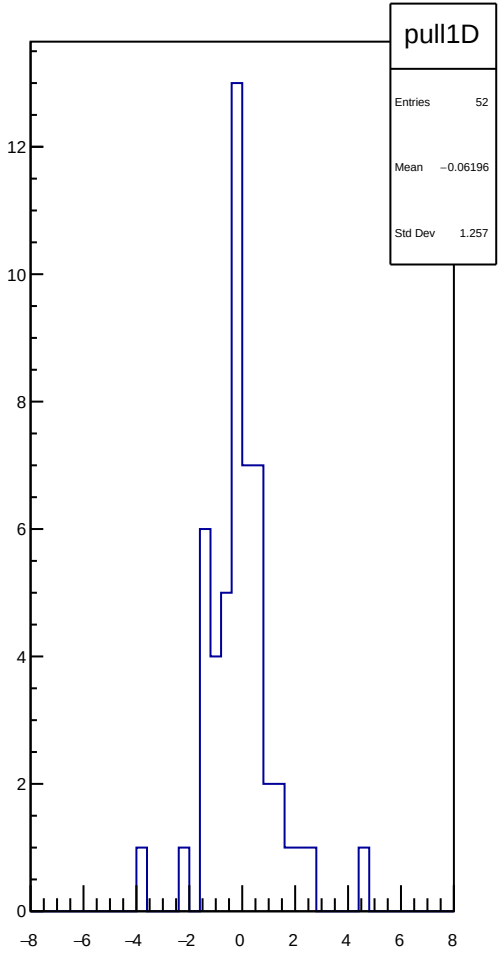
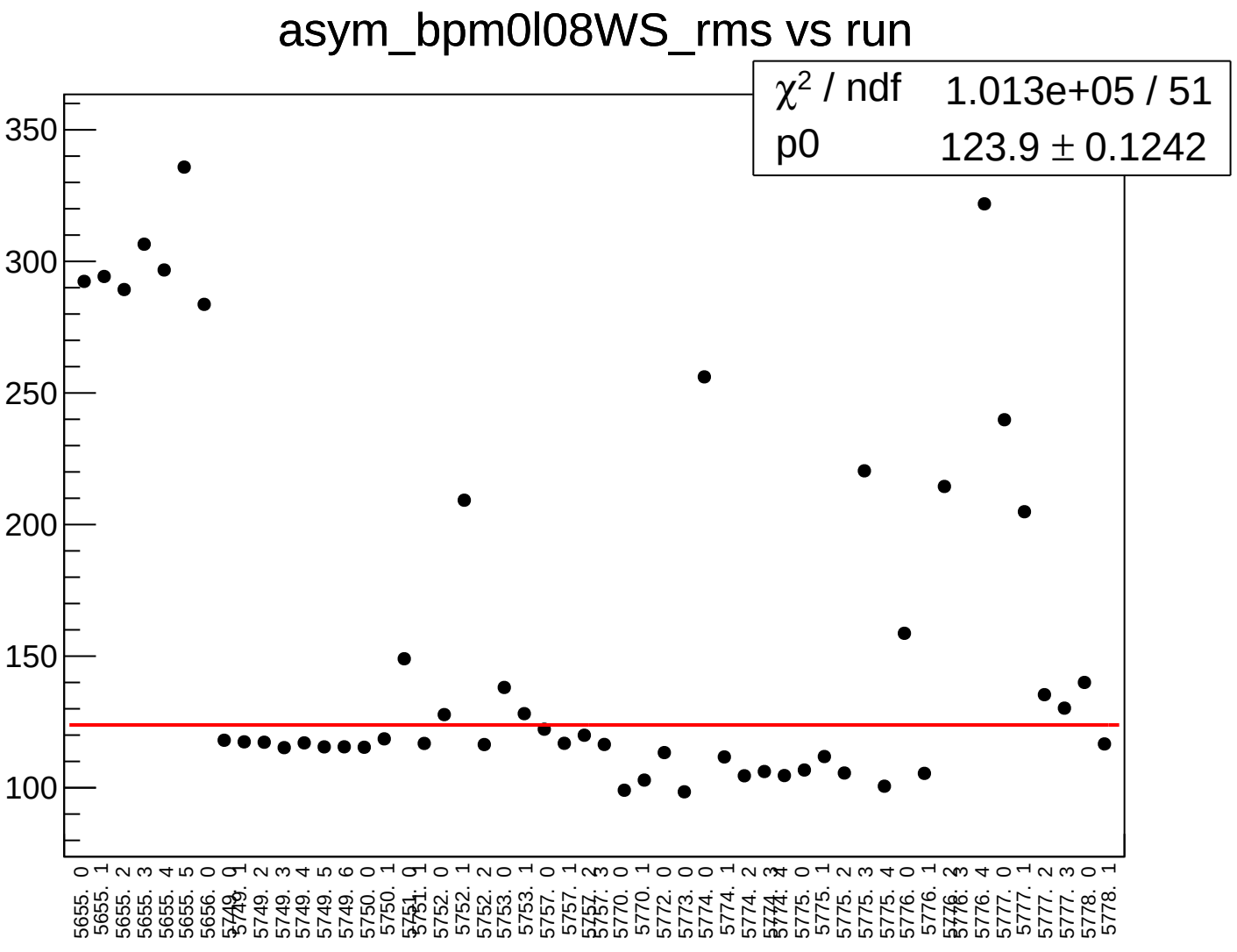

asym_bpm0l08WS_mean vs run
χ² / ndf 82.37 / 51
p0 −334.6 ± 175.6
pull
Entries 52
Mean 22.9
Std Dev 37.37


pull1D
Entries 52
Mean −0.06196
Std Dev 1.257


asym_bpm0l08WS_rms vs run
χ² / ndf 1.013e+05 / 51
p0 123.9 ± 0.1242
350
300
250
200
150
100
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5655. 3
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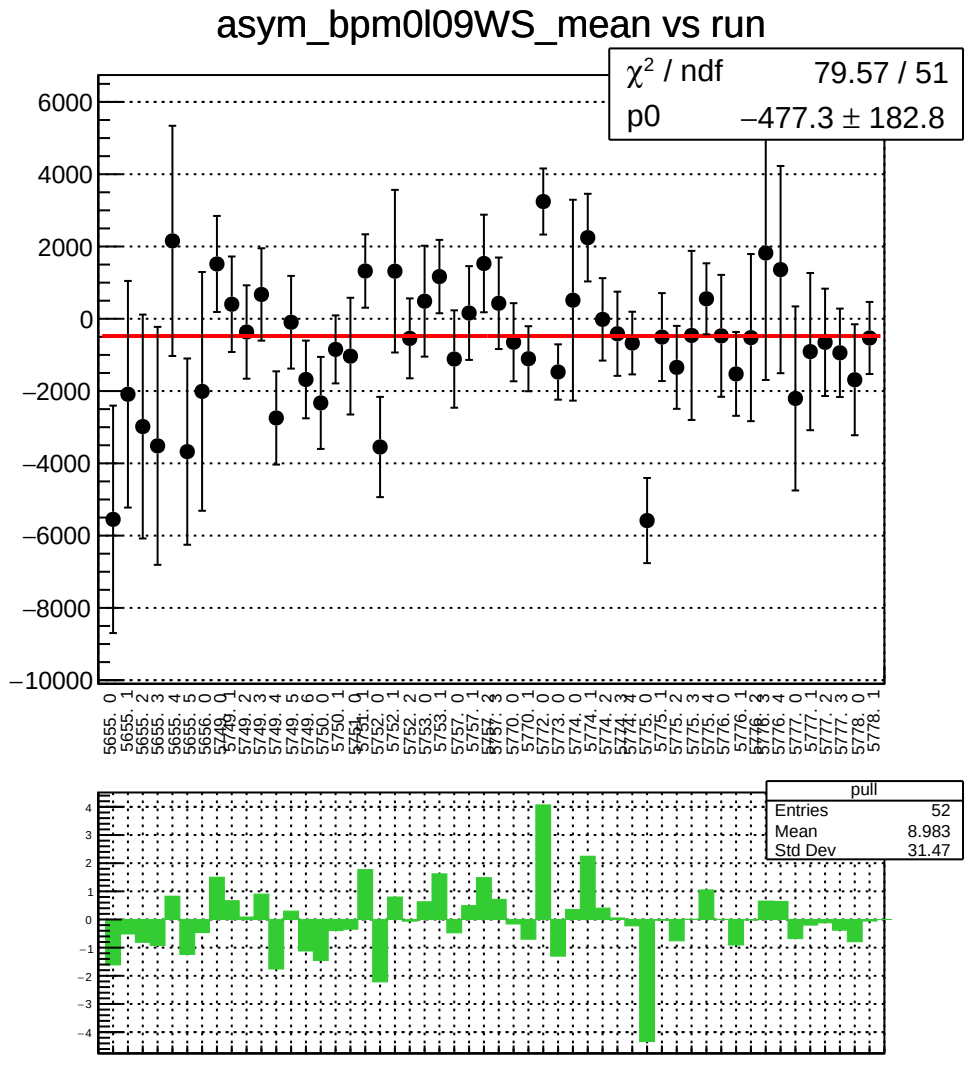
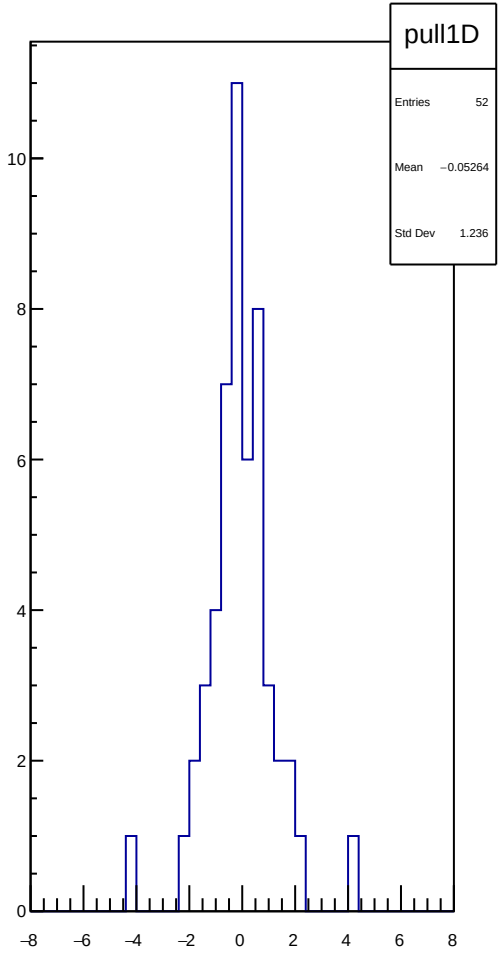
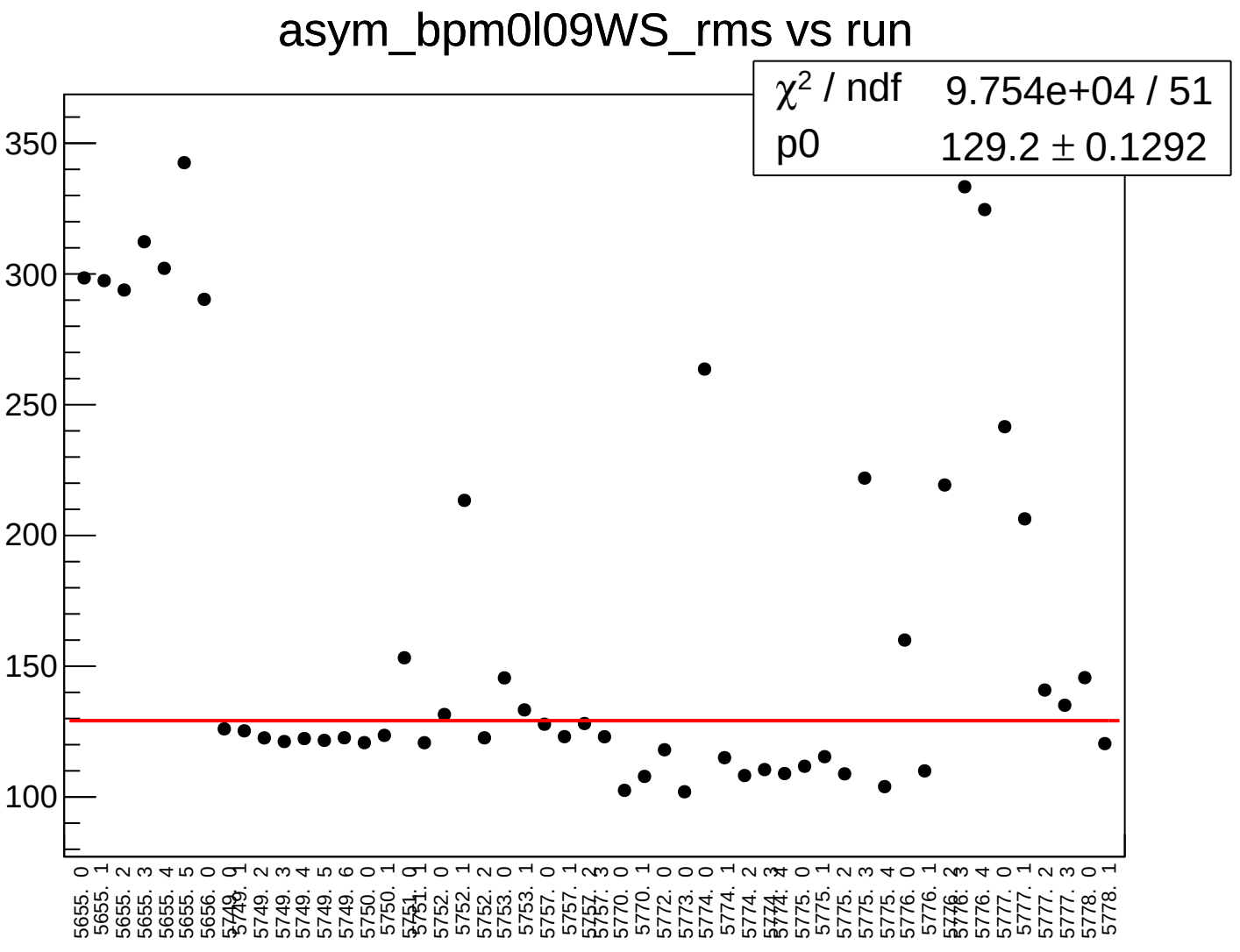

asym_bpm0l09WS_mean vs run
χ² / ndf 79.57 / 51
p0 −477.3 ± 182.8
pull
Entries 52
Mean 8.983
Std Dev 31.47


pull1D
Entries 52
Mean −0.05264
Std Dev 1.236


asym_bpm0l09WS_rms vs run
χ² / ndf 9.754e+04 / 51
p0 129.2 ± 0.1292
350
300
250
200
150
100
5655. 0
5655. 1
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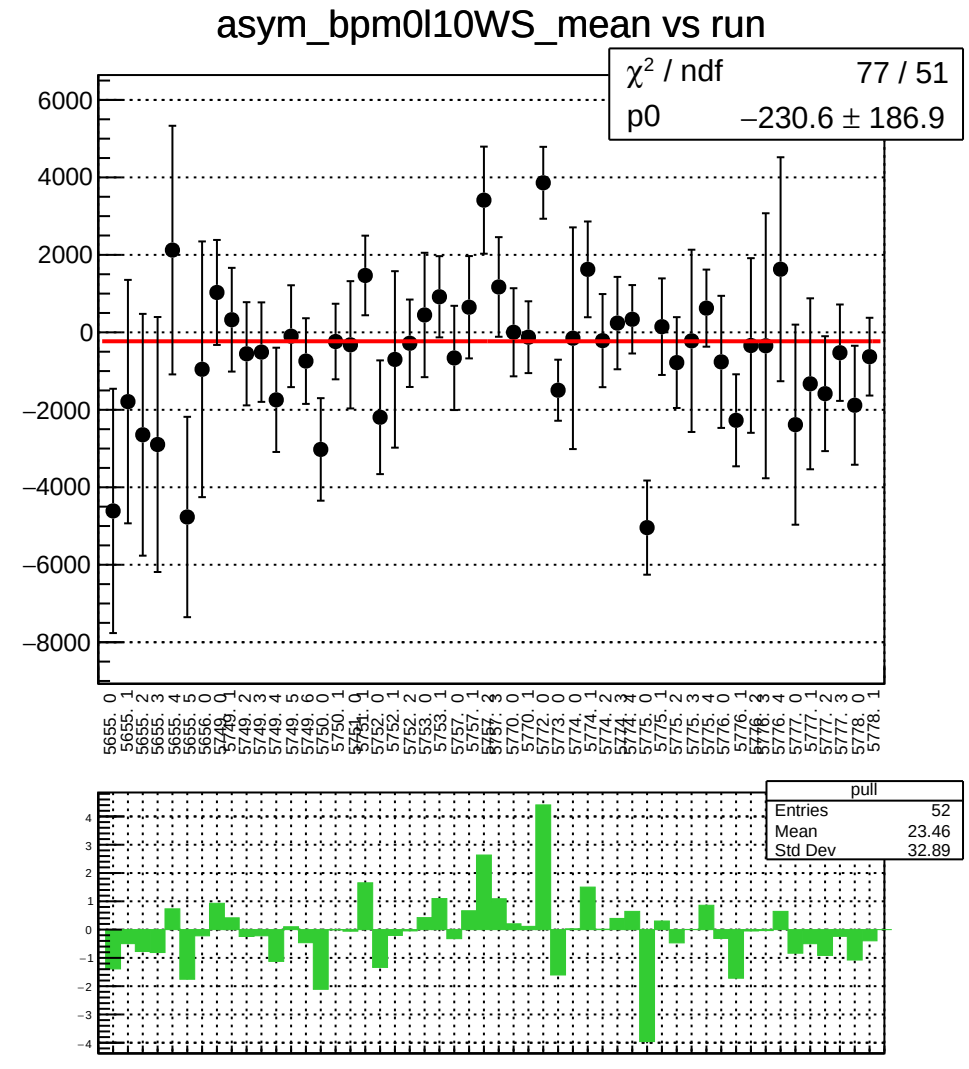
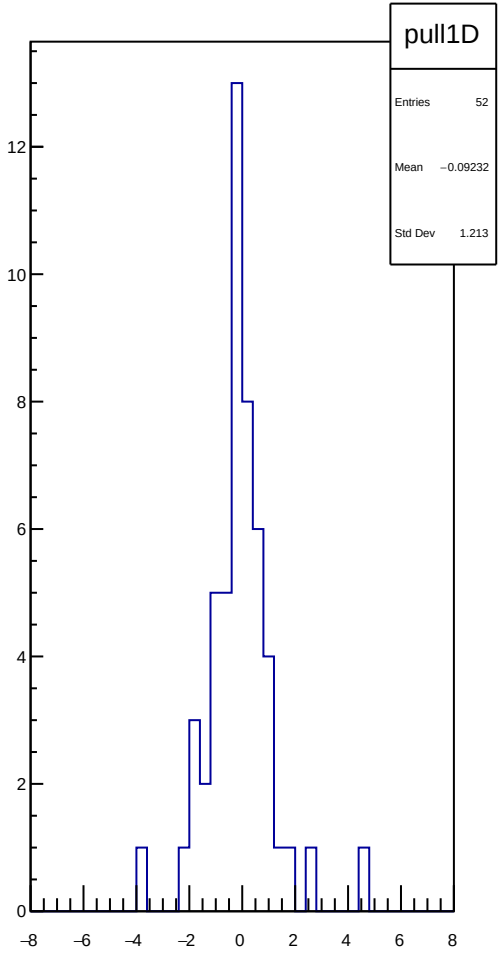
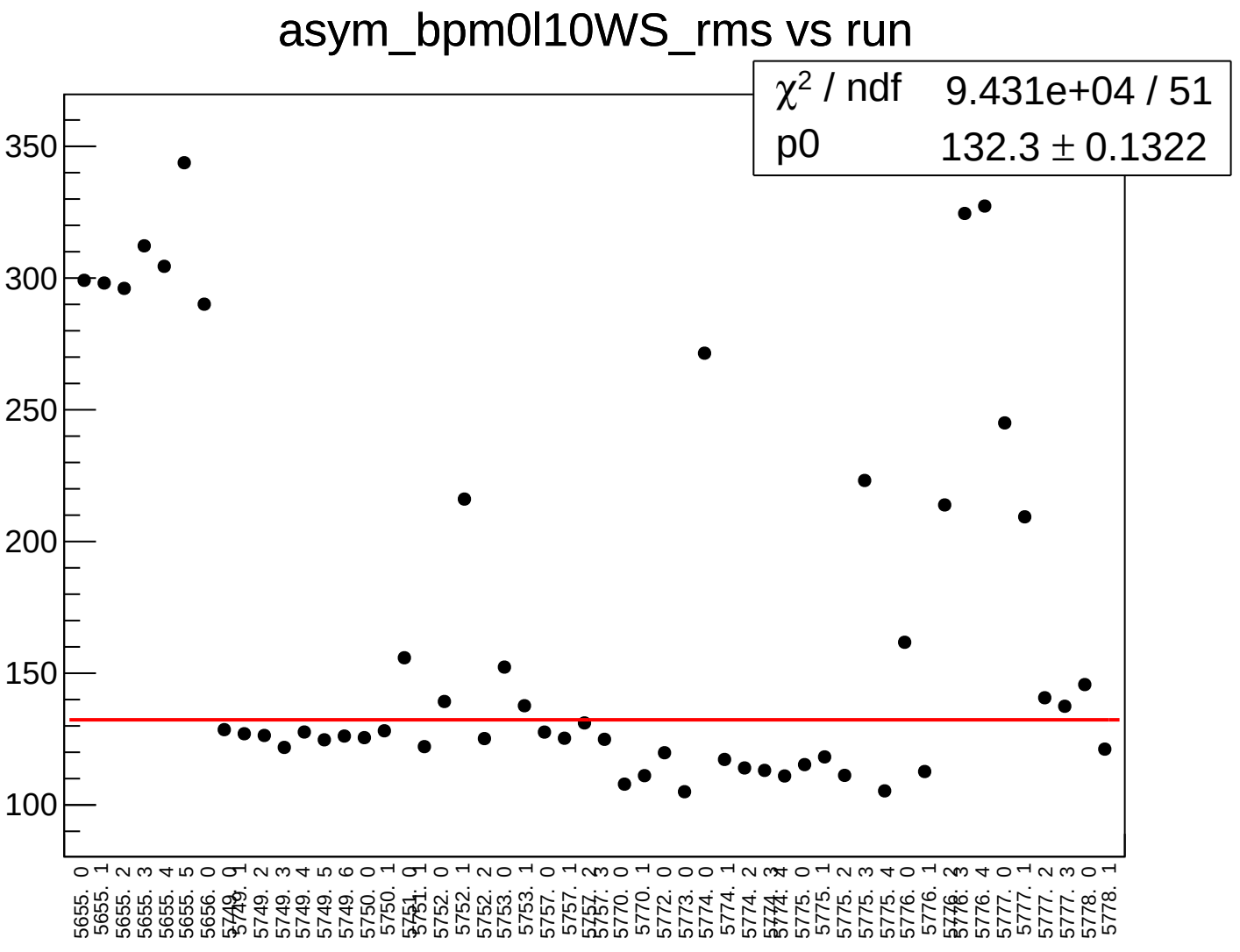

asym_bpm0l10WS_mean vs run
χ² / ndf 77 / 51
p0 −230.6 ± 186.9
pull
Entries 52
Mean 23.46
Std Dev 32.89


pull1D
Entries 52
Mean −0.09232
Std Dev 1.213


asym_bpm0l10WS_rms vs run
χ^2 / ndf 9.431e+04 / 51
p0 132.3 ± 0.1322
350
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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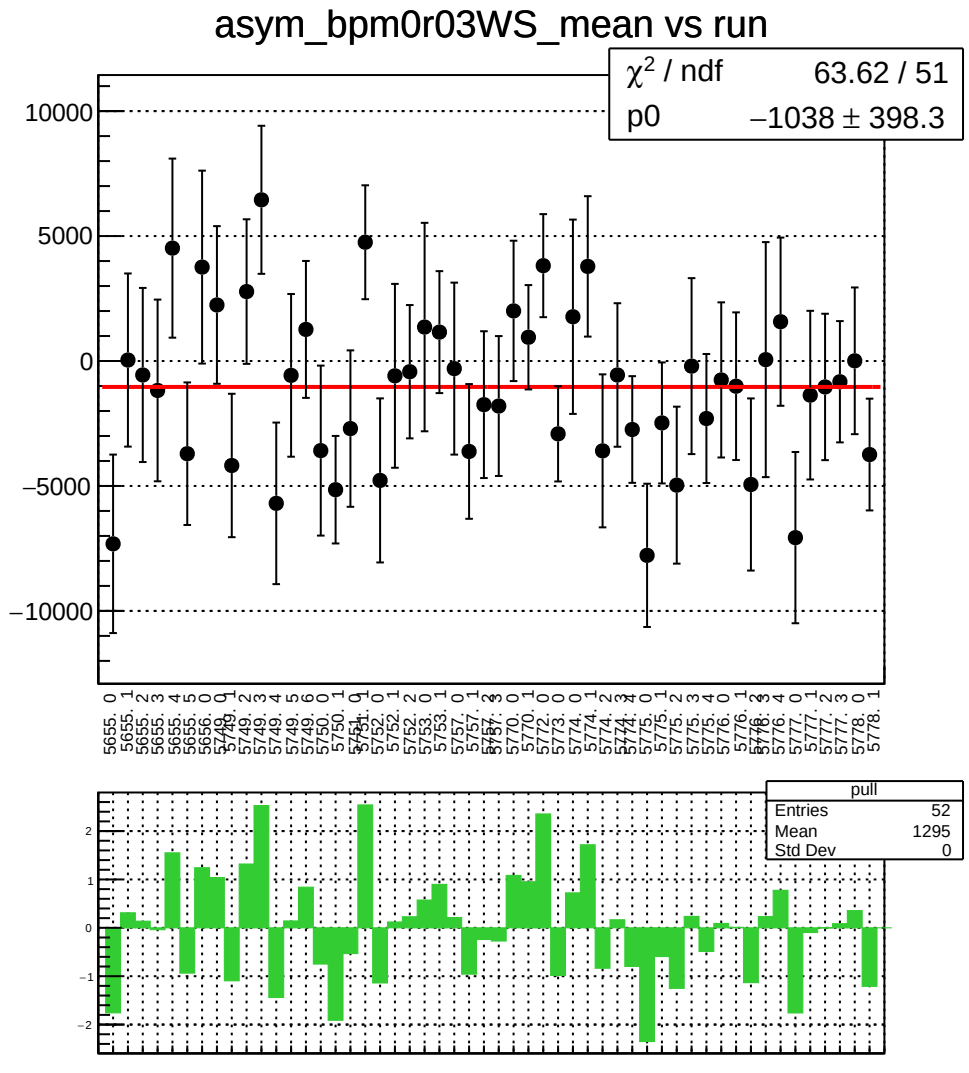
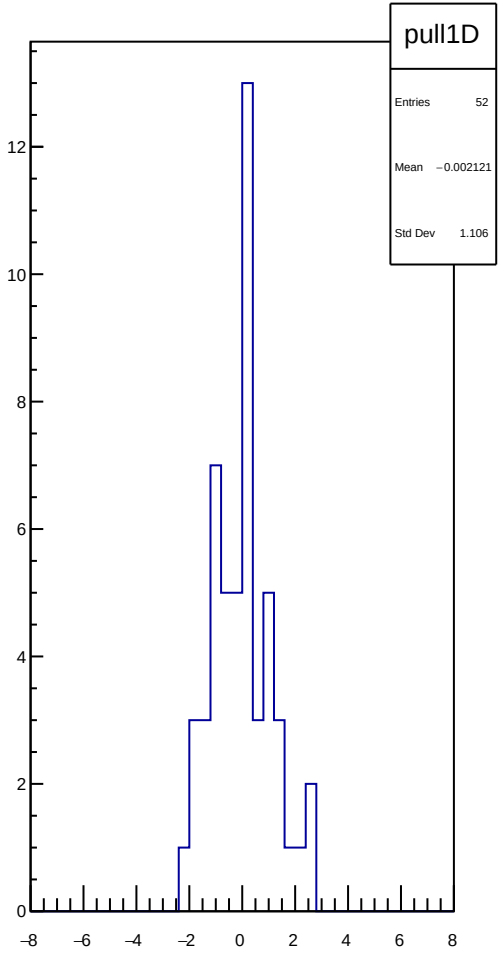
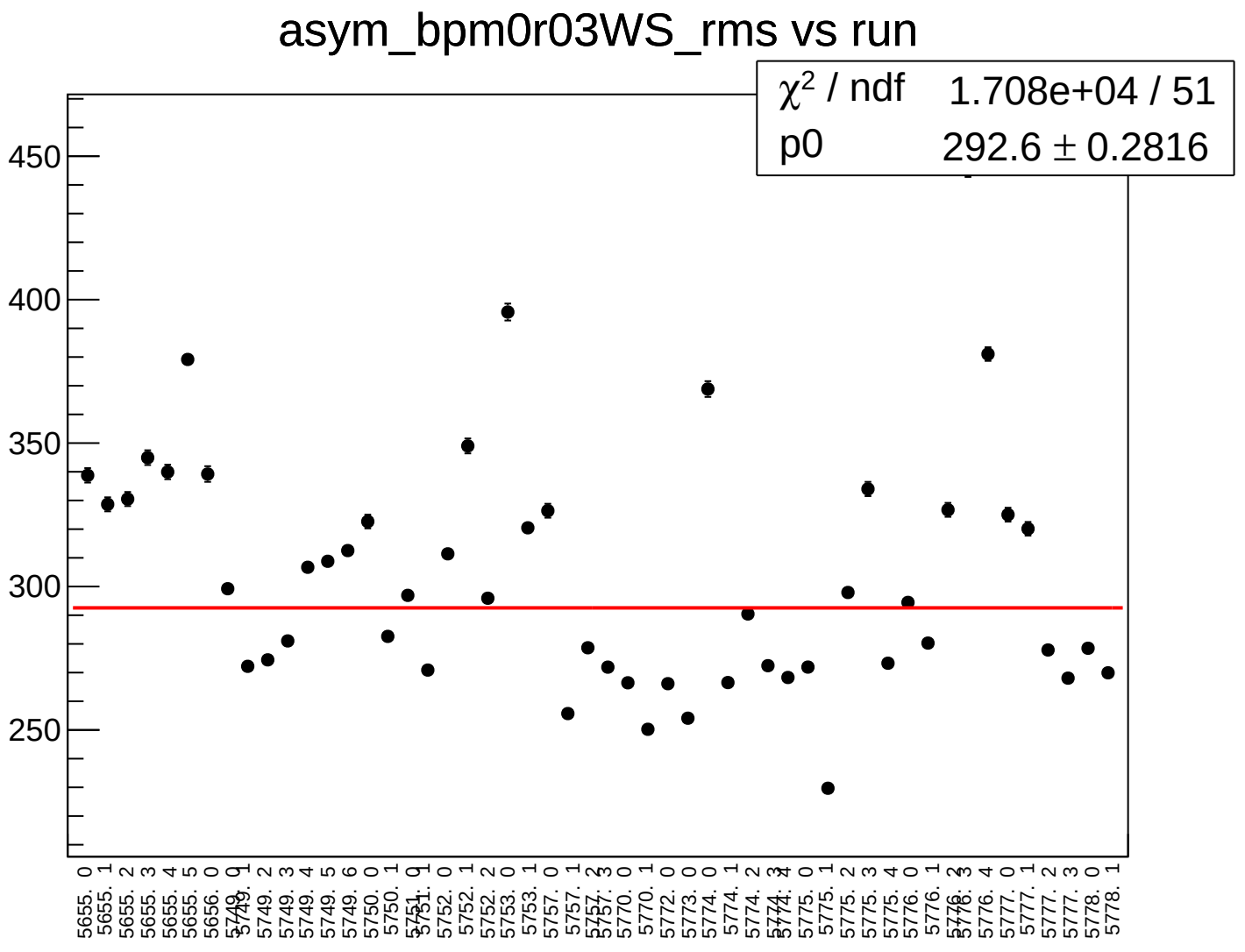
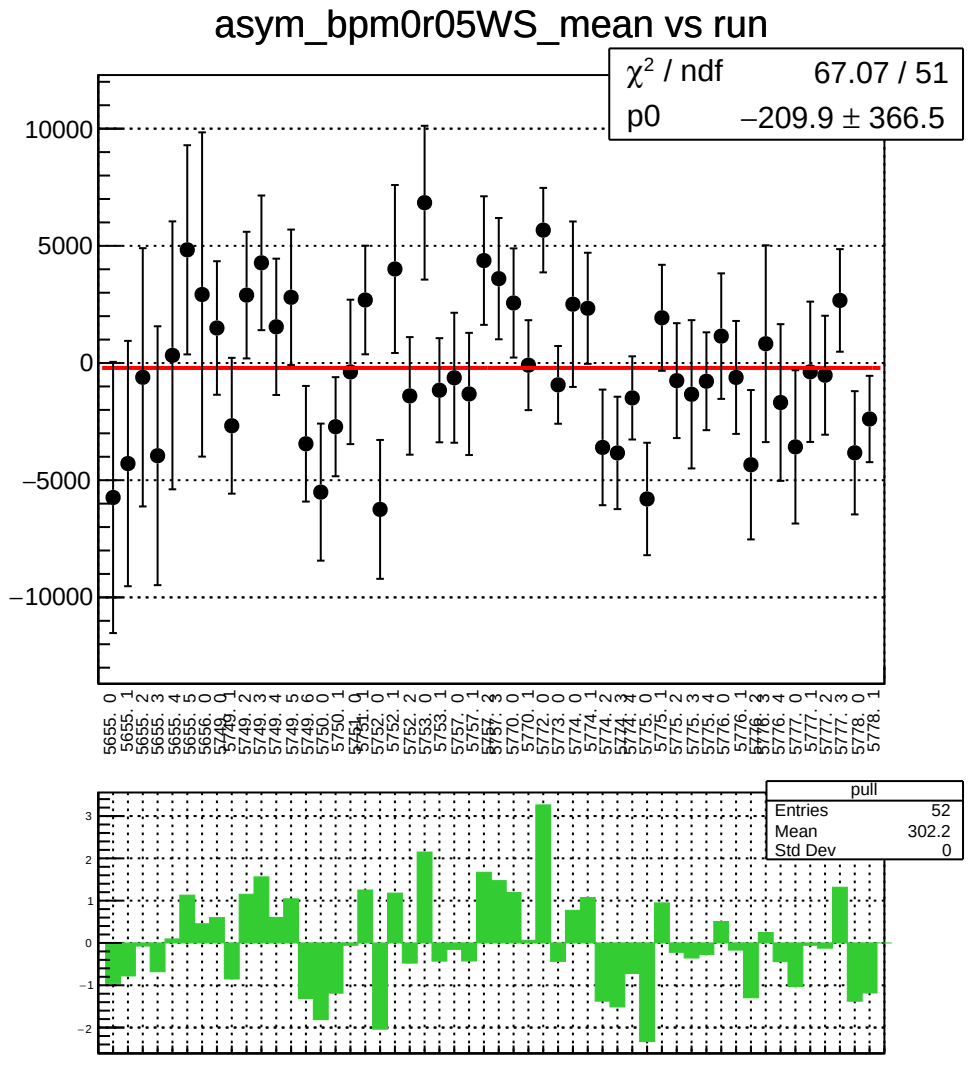
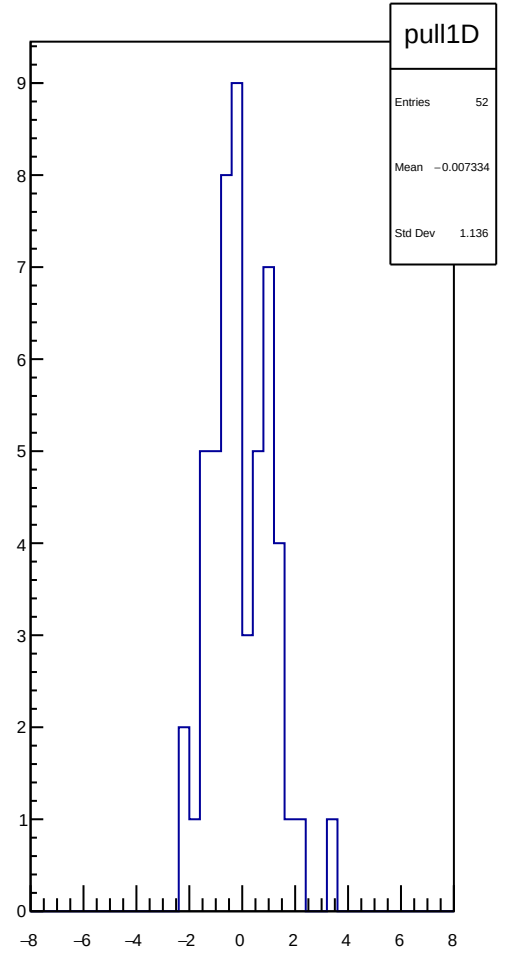
5778. 0
5778. 1

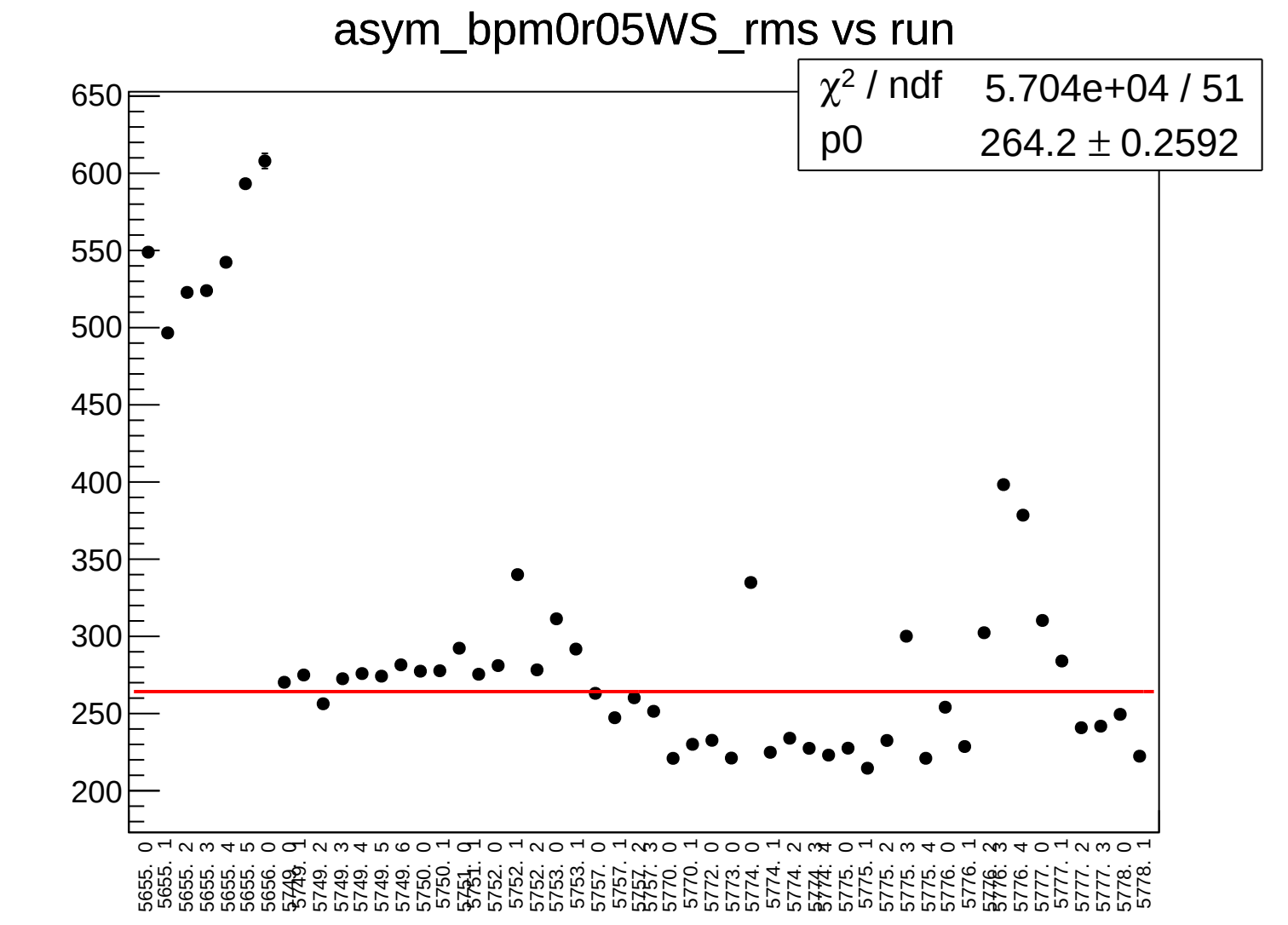

asym_bpm0r03WS_mean vs run
χ^2 / ndf 63.62 / 51
p0 −1038 ± 398.3
10000
5000
0
−5000
−10000
pull
Entries 52
Mean 1295
Std Dev 0
2
1
0
−1
−2

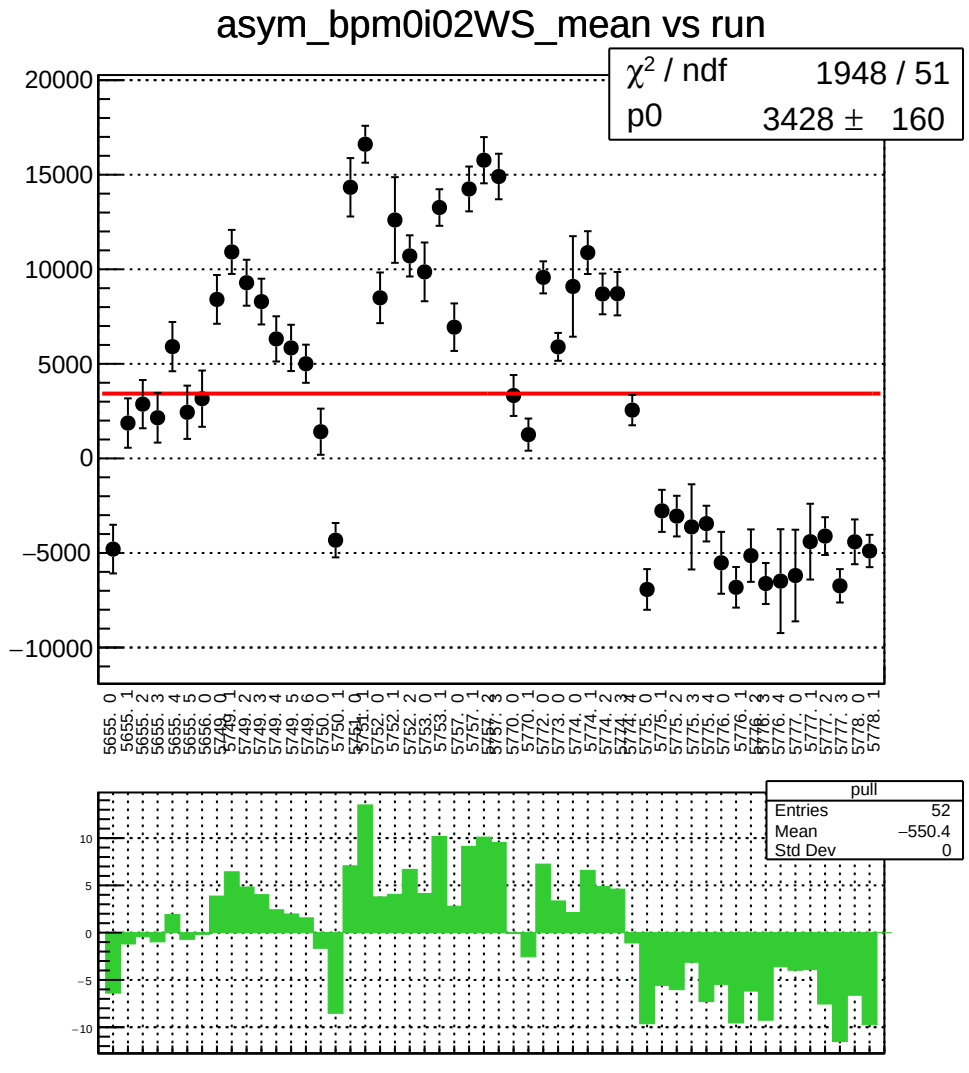

pull1D
Entries 52
Mean −0.002121
Std Dev 1.106
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

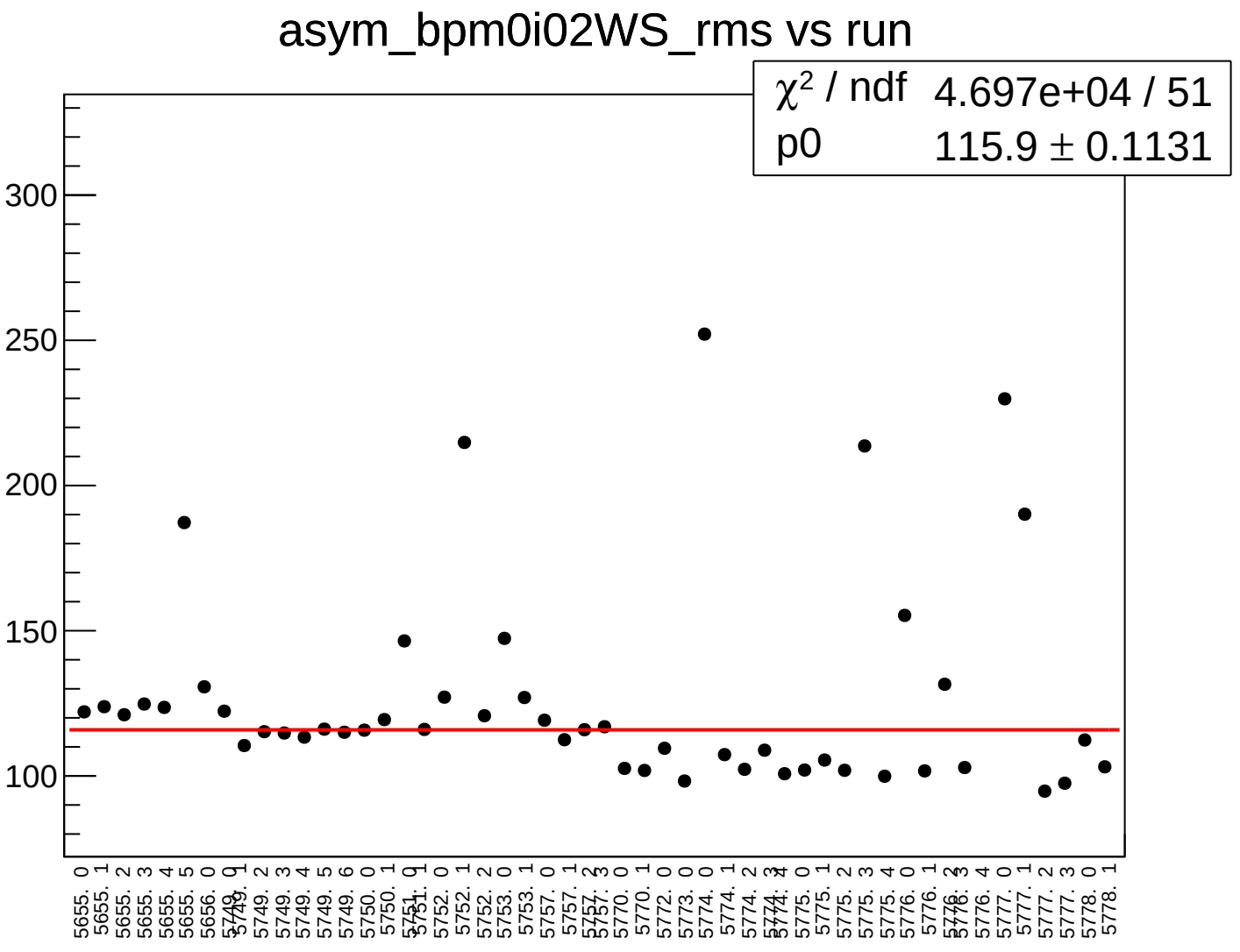

asym_bpm0r03WS_rms vs run
χ² / ndf 1.708e+04 / 51
p0 292.6 ± 0.2816
450
400
350
300
250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

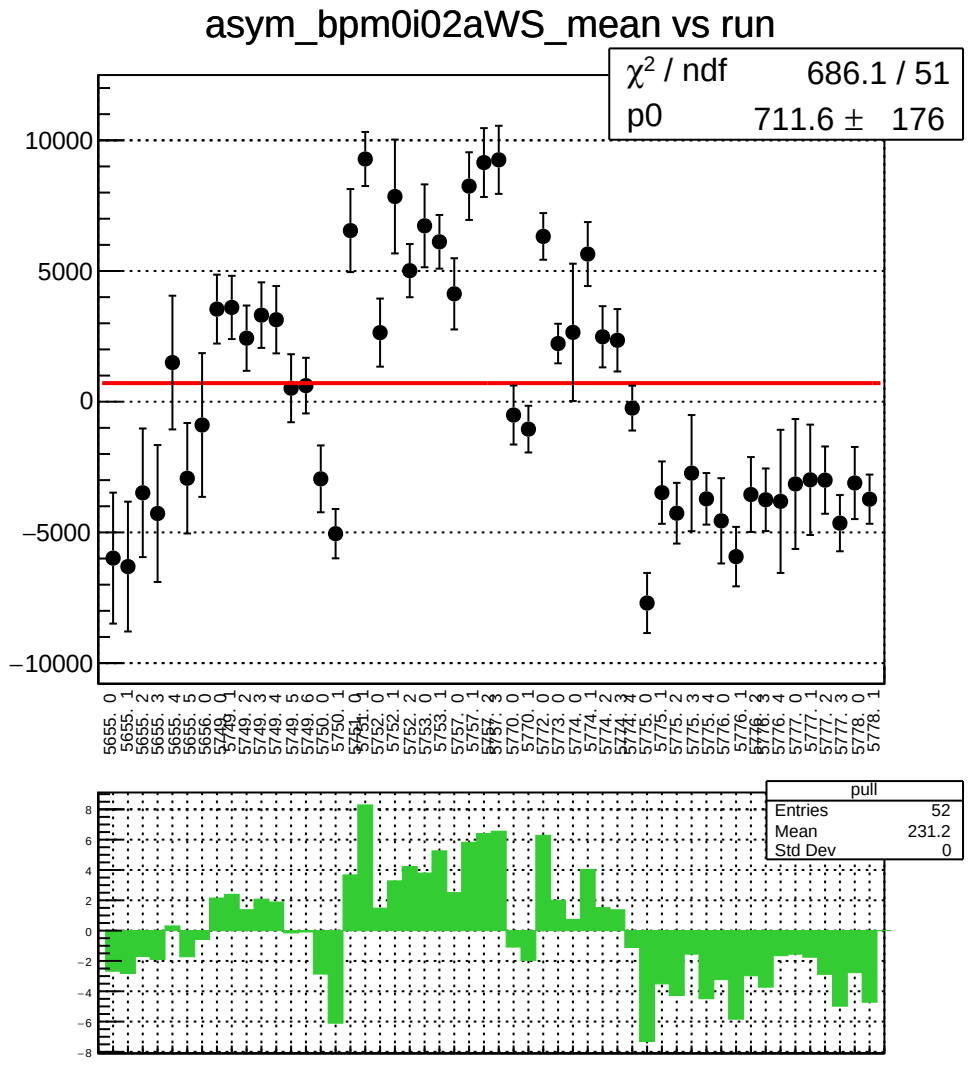

asym_bpm0r05WS_mean vs run
χ^2 / ndf 67.07 / 51
p0 −209.9 ± 366.5
10000
5000
0
−5000
−10000
pull
Entries 52
Mean 302.2
Std Dev 0
3
2
1
0
−1
−2

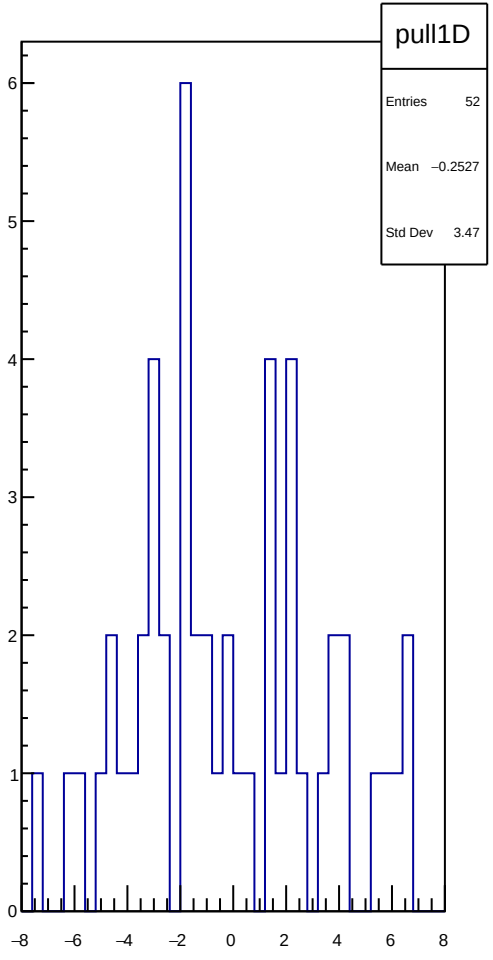

pull1D
Entries 52
Mean −0.007334
Std Dev 1.136
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

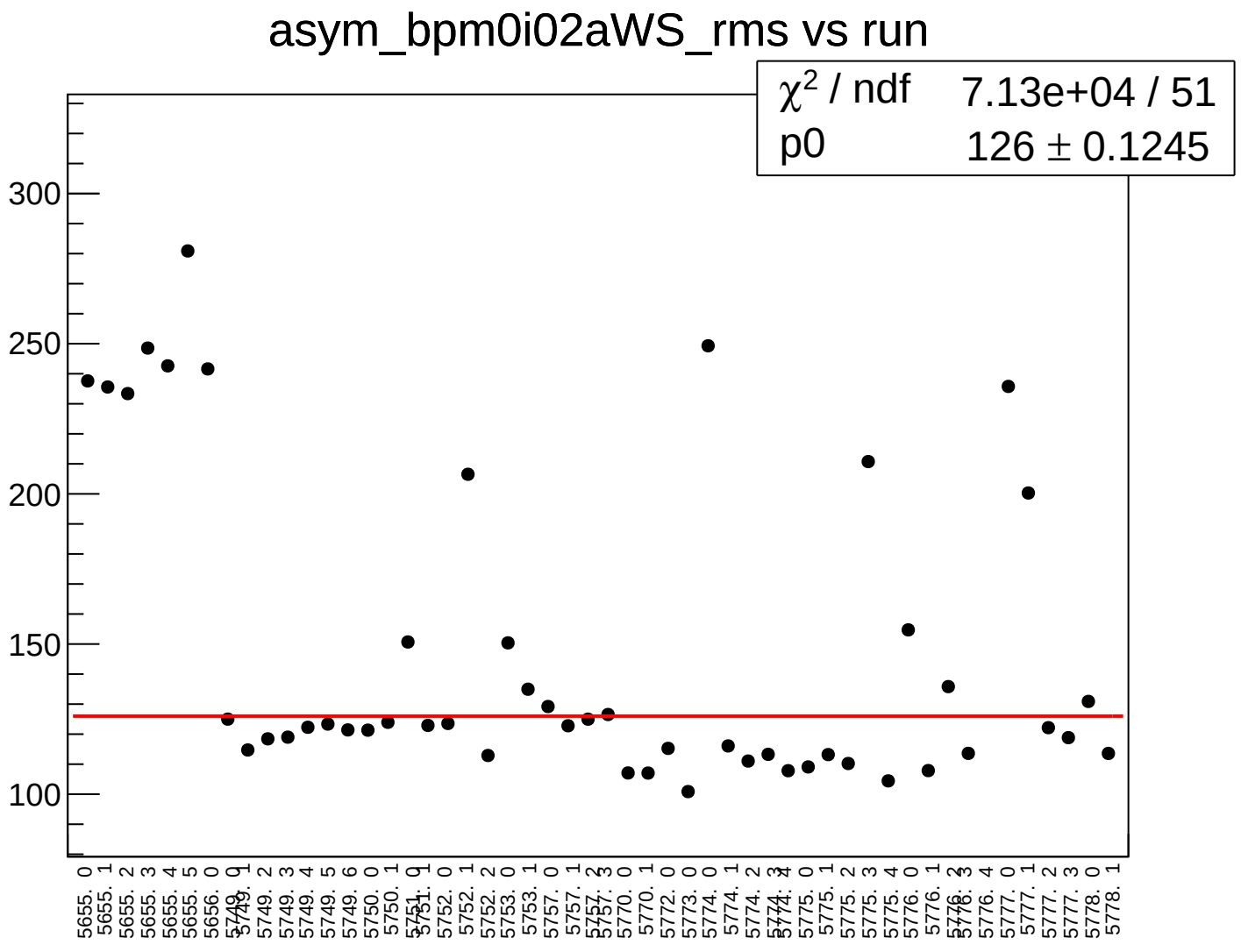

asym_bpm0r05WS_rms vs run
χ² / ndf 5.704e+04 / 51
p0 264.2 ± 0.2592
650
600
550
500
450
400
350
300
250
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

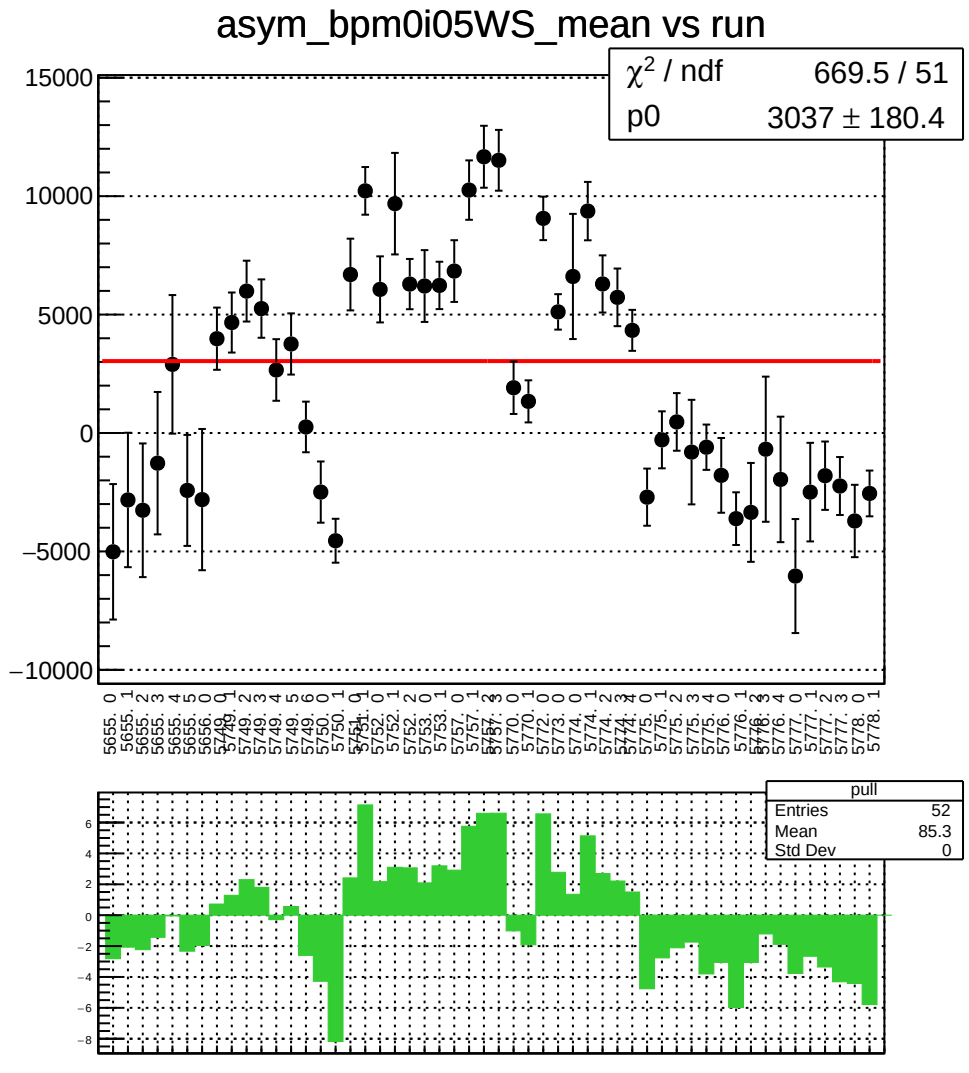

asym_bpm0i02WS_mean vs run
χ² / ndf 1948 / 51
p0 3428 ± 160
pull
Entries 52
Mean −550.4
Std Dev 0
pull1D
Entries 52
Mean 0.238
Std Dev 4.455

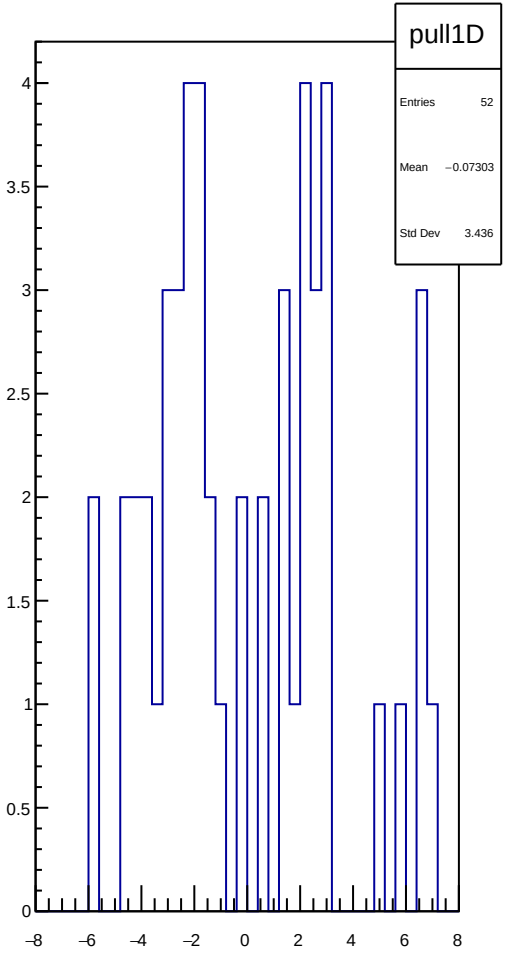

asym_bpm0i02WS_rms vs run
χ² / ndf 4.697e+04 / 51
p0 115.9 ± 0.1131
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

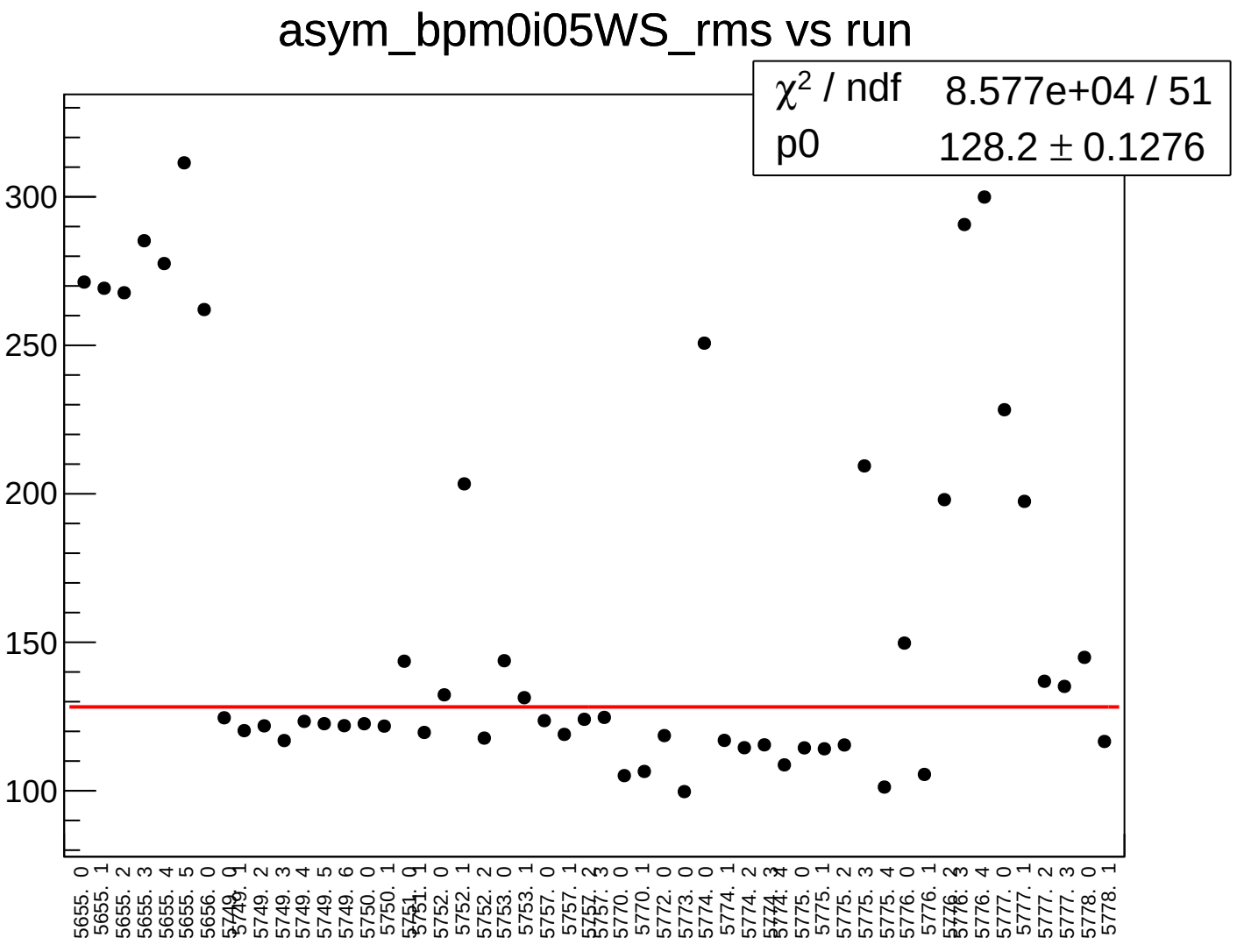

asym_bpm0i02aWS_mean vs run
χ² / ndf 686.1 / 51
p0 711.6 ± 176
10000
5000
0
−5000
−10000
pull
Entries 52
Mean 231.2
Std Dev 0
8
6
4
2
0
−2
−4
−6
−8


pull1D
Entries 52
Mean −0.2527
Std Dev 3.47
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_bpm0i02aWS_rms vs run
χ^2 / ndf 7.13e+04 / 51
p0 126 ± 0.1245
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_bpm0i05WS_mean vs run
χ² / ndf 669.5 / 51
p0 3037 ± 180.4
pull
Entries 52
Mean 85.3
Std Dev 0


pull1D
Entries 52
Mean −0.07303
Std Dev 3.436


asym_bpm0i05WS_rms vs run
χ² / ndf 8.577e+04 / 51
p0 128.2 ± 0.1276
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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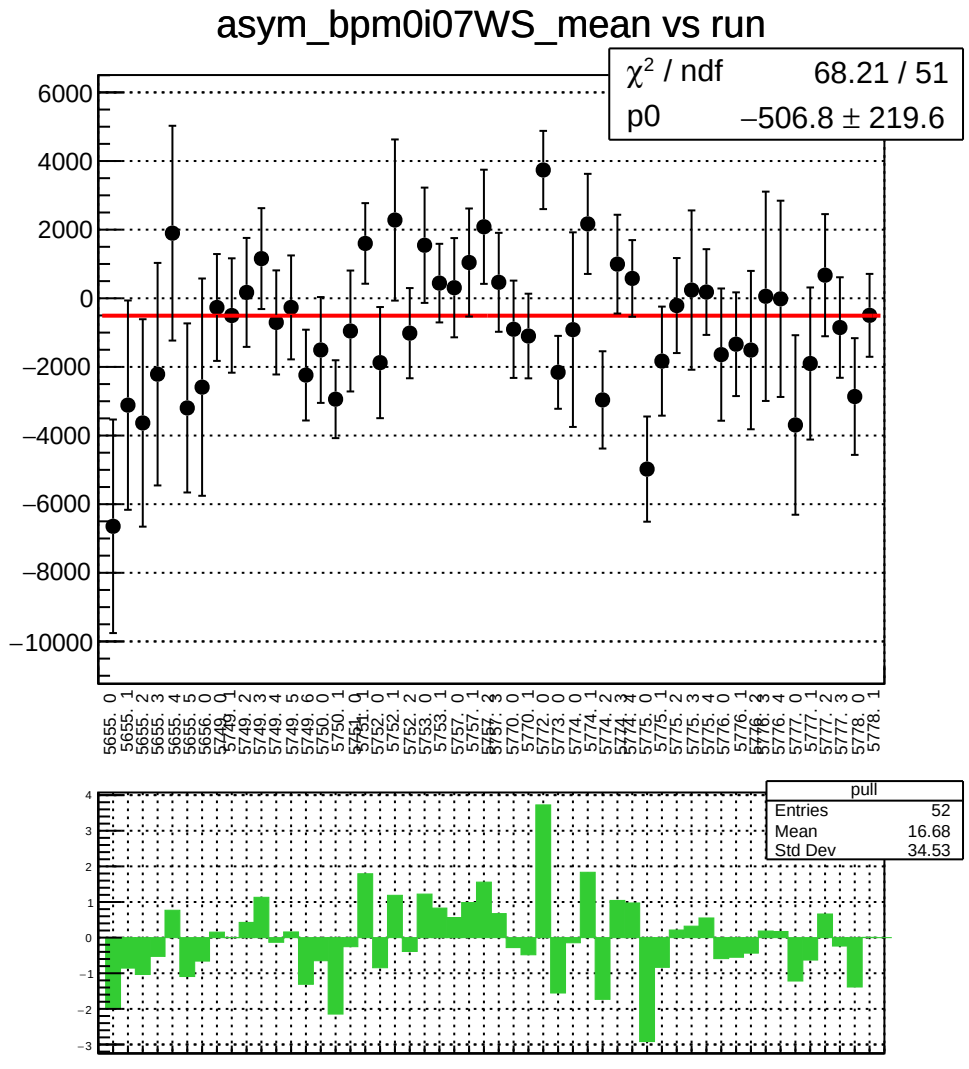
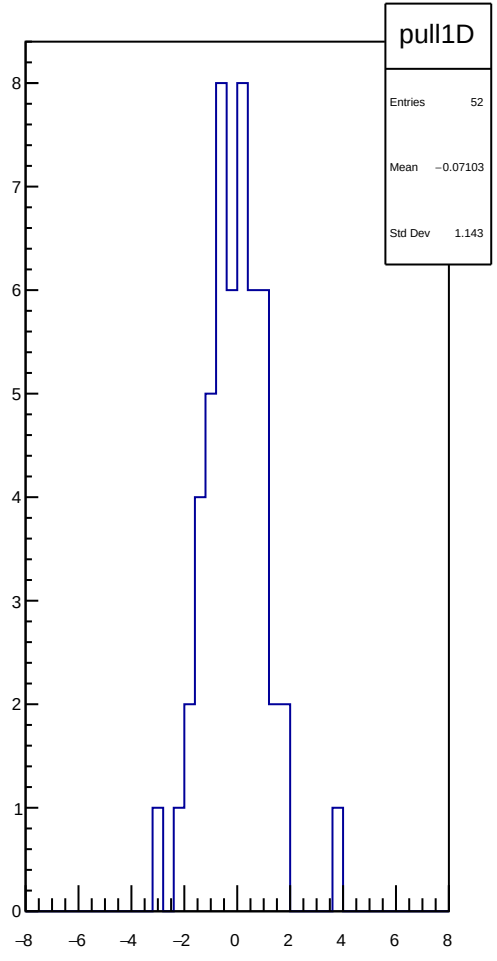
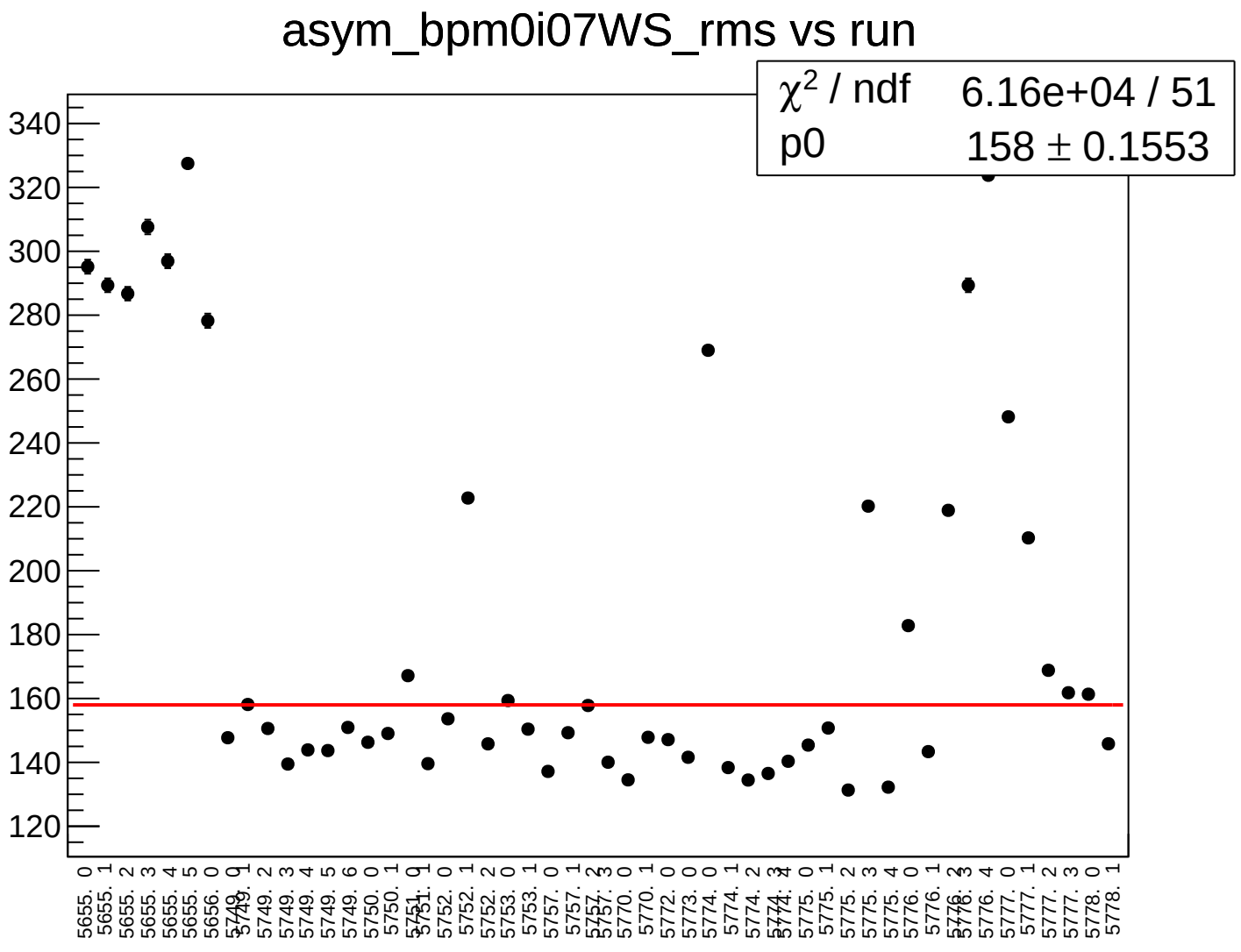
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_bpm0i07WS_mean vs run
χ² / ndf 68.21 / 51
p0 −506.8 ± 219.6
pull
Entries 52
Mean 16.68
Std Dev 34.53


pull1D
Entries 52
Mean −0.07103
Std Dev 1.143


asym_bpm0i07WS_rms vs run
χ^2 / ndf 6.16e+04 / 51
p0 158 ± 0.1553
340
320
300
280
260
240
220
200
180
160
140
120
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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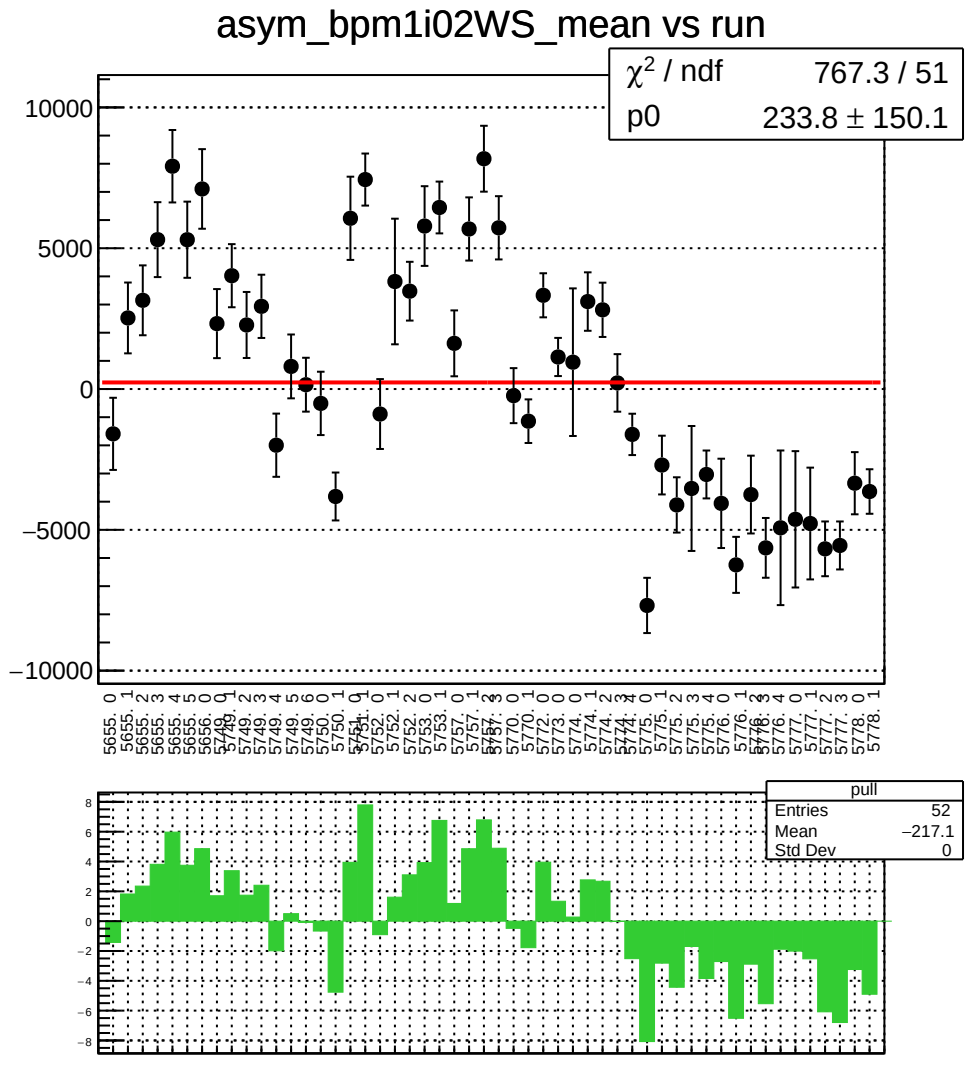
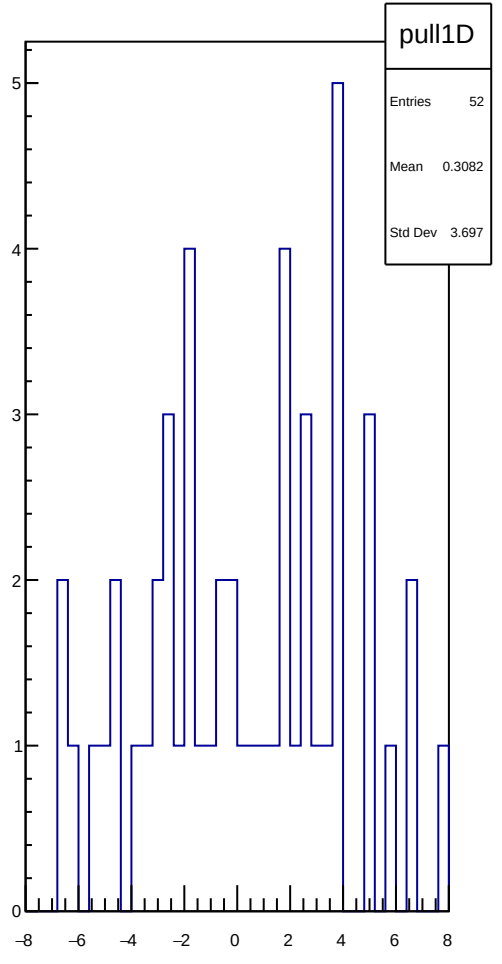
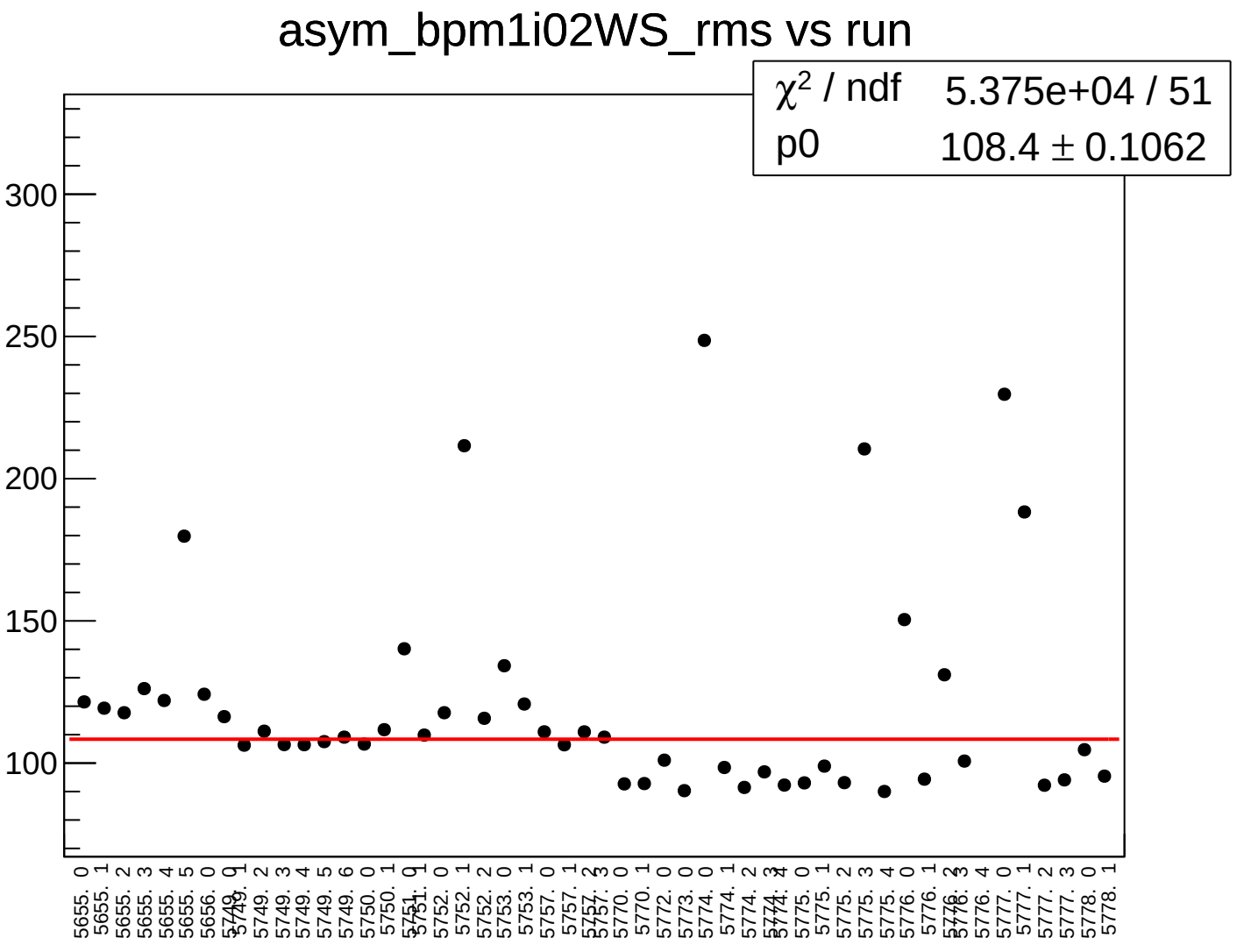
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_bpm1i02WS_mean vs run
χ² / ndf 767.3 / 51
p0 233.8 ± 150.1
10000
5000
0
−5000
−10000
pull
Entries 52
Mean −217.1
Std Dev 0
8
6
4
2
0
−2
−4
−6
−8


pull1D
Entries 52
Mean 0.3082
Std Dev 3.697
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_bpm1i02WS_rms vs run
χ² / ndf 5.375e+04 / 51
p0 108.4 ± 0.1062
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
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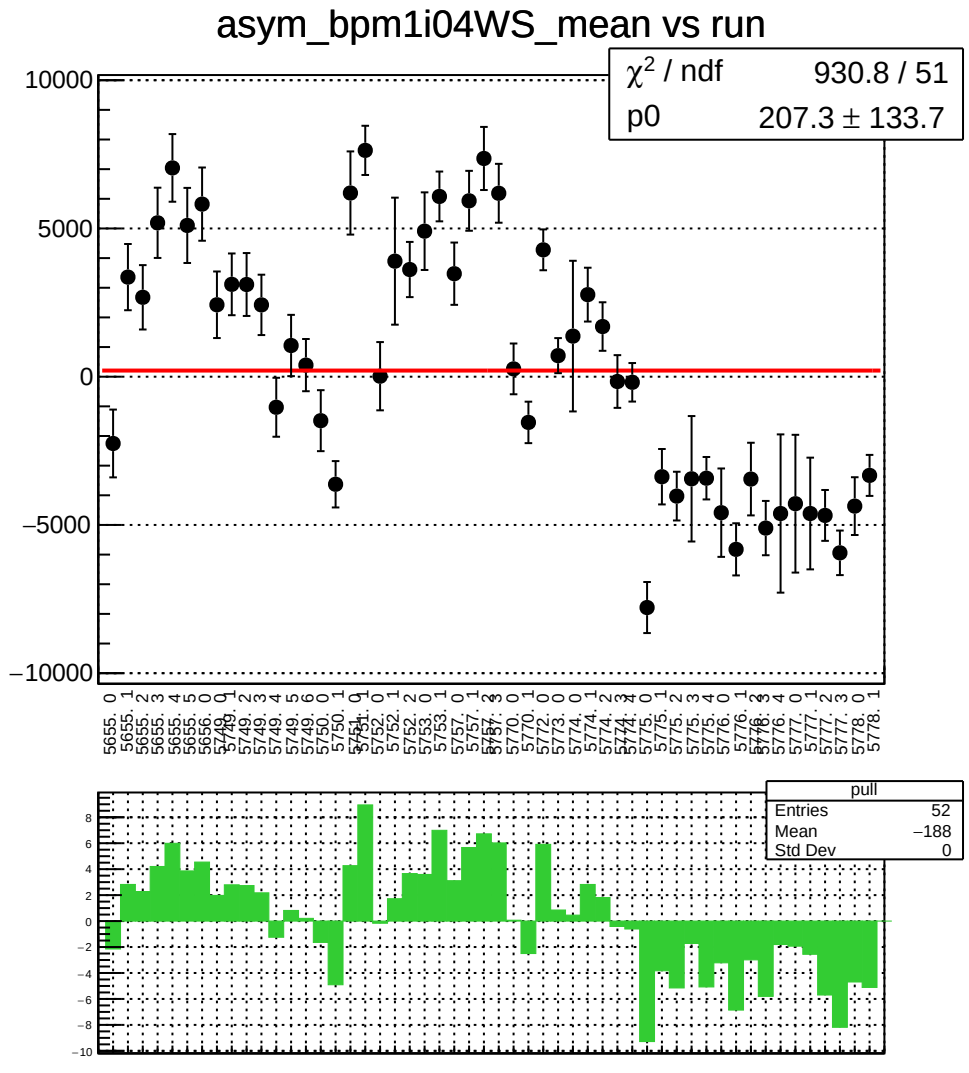
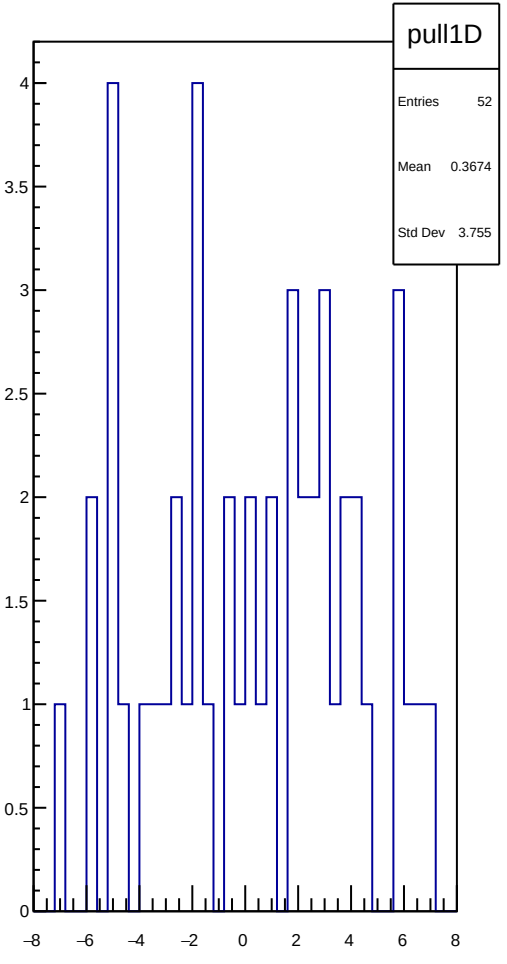
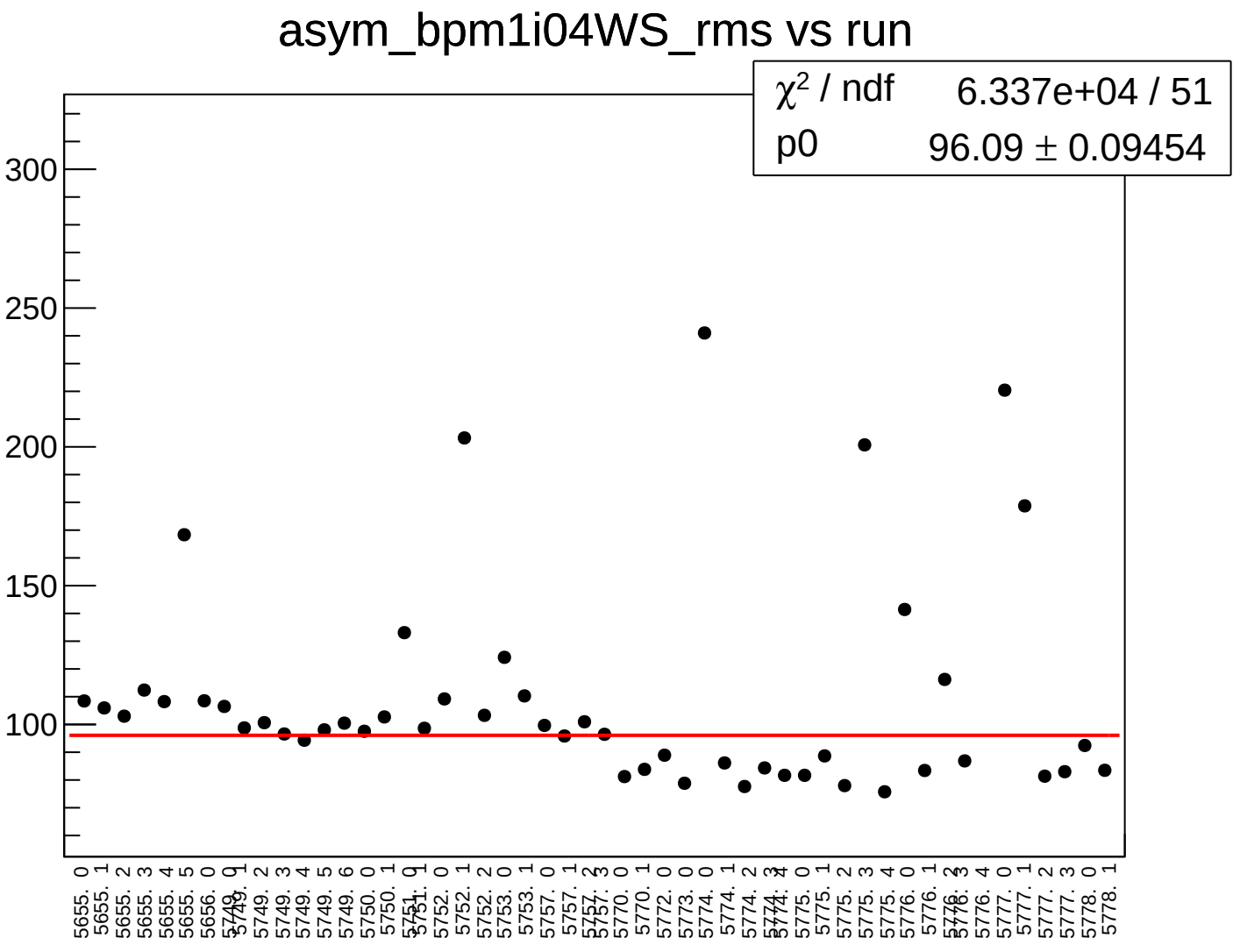
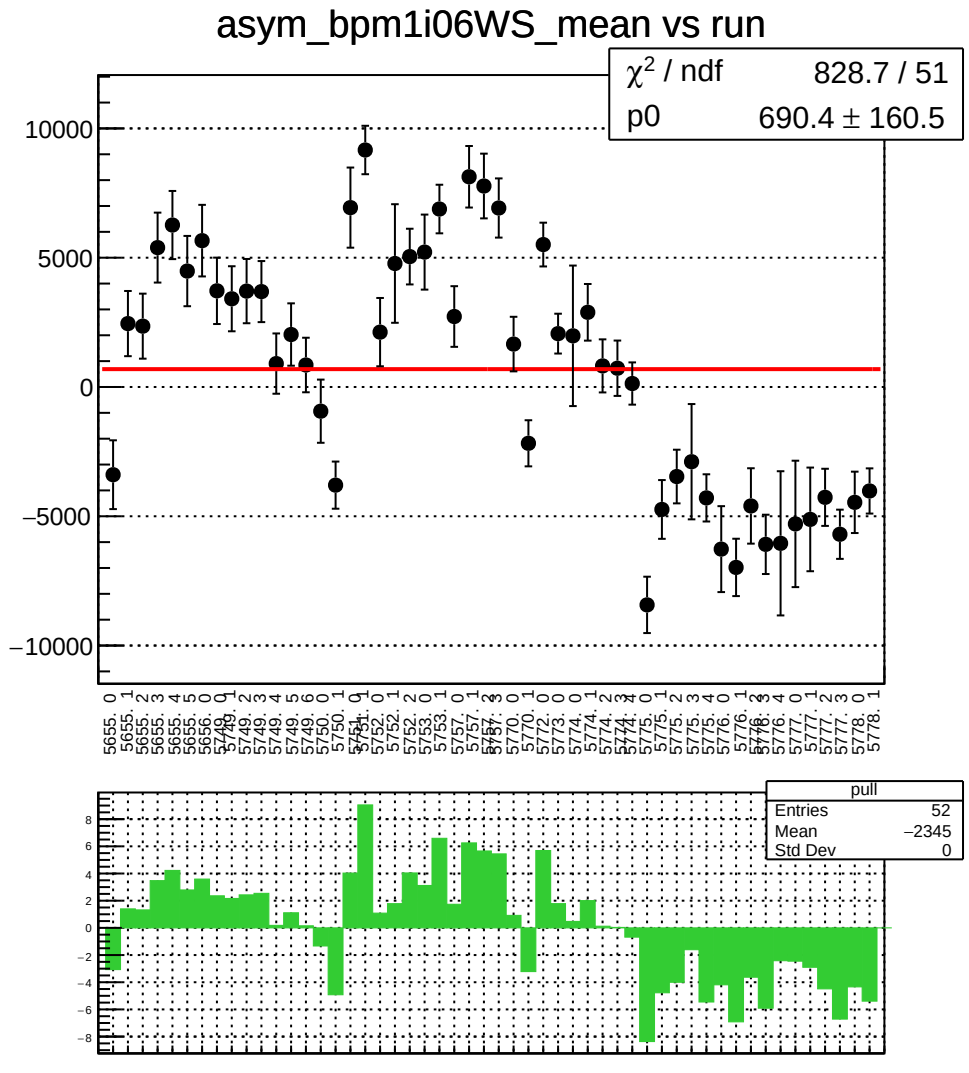
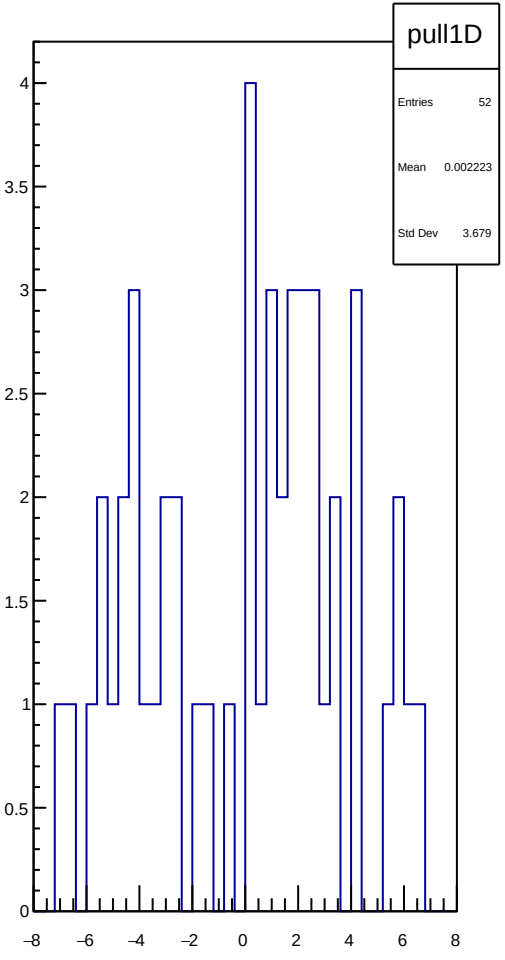
5777. 2
5777. 3
5778. 0
5778. 1

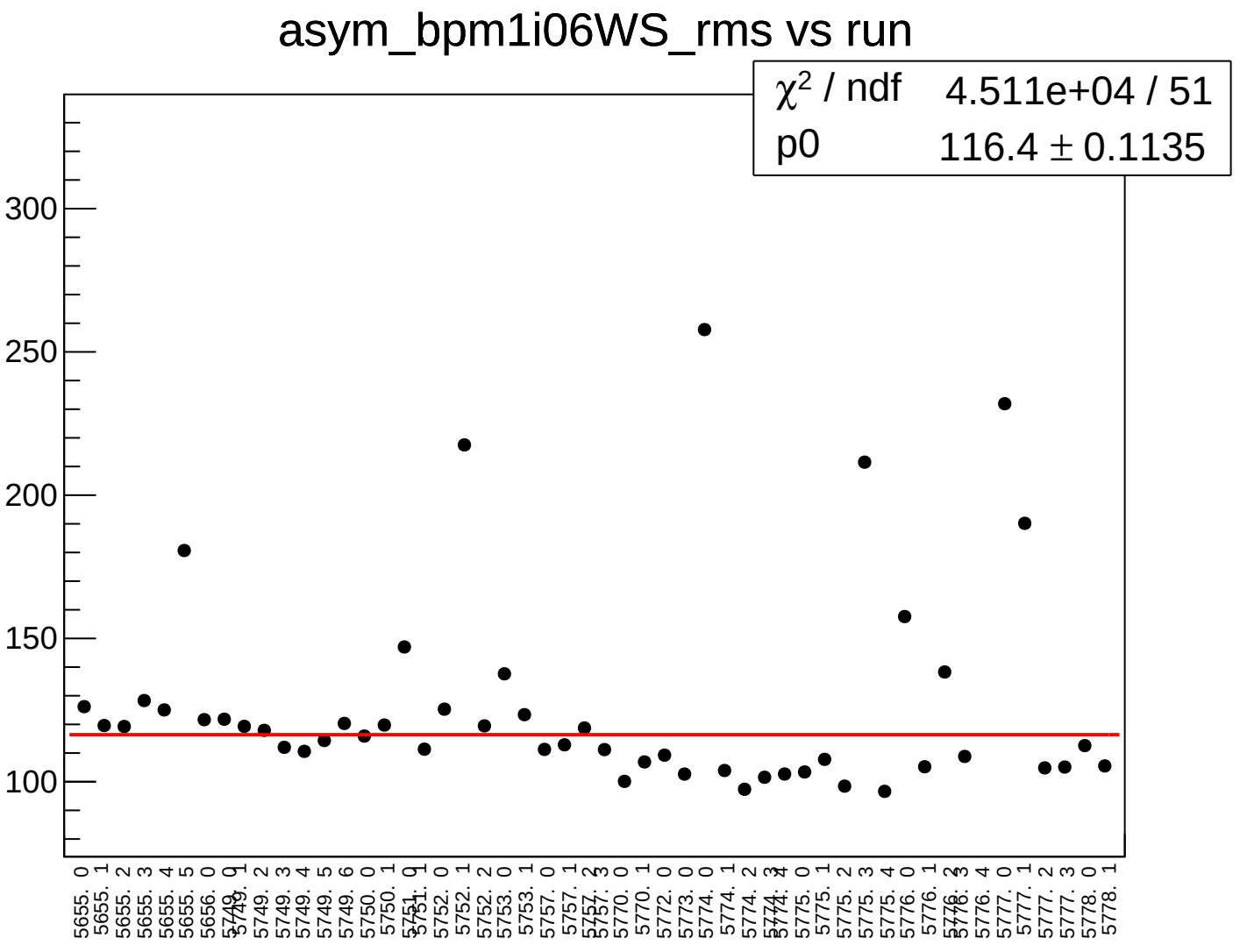

asym_bpm1i04WS_mean vs run
χ² / ndf 930.8 / 51
p0 207.3 ± 133.7
pull
Entries 52
Mean −188
Std Dev 0


pull1D
Entries 52
Mean 0.3674
Std Dev 3.755


asym_bpm1i04WS_rms vs run
χ² / ndf 6.337e+04 / 51
p0 96.09 ± 0.09454
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_bpm1i06WS_mean vs run
χ² / ndf 828.7 / 51
p0 690.4 ± 160.5
10000
5000
0
−5000
−10000
pull
Entries 52
Mean −2345
Std Dev 0


pull1D
Entries 52
Mean 0.002223
Std Dev 3.679


asym_bpm1i06WS_rms vs run
χ² / ndf 4.511e+04 / 51
p0 116.4 ± 0.1135
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
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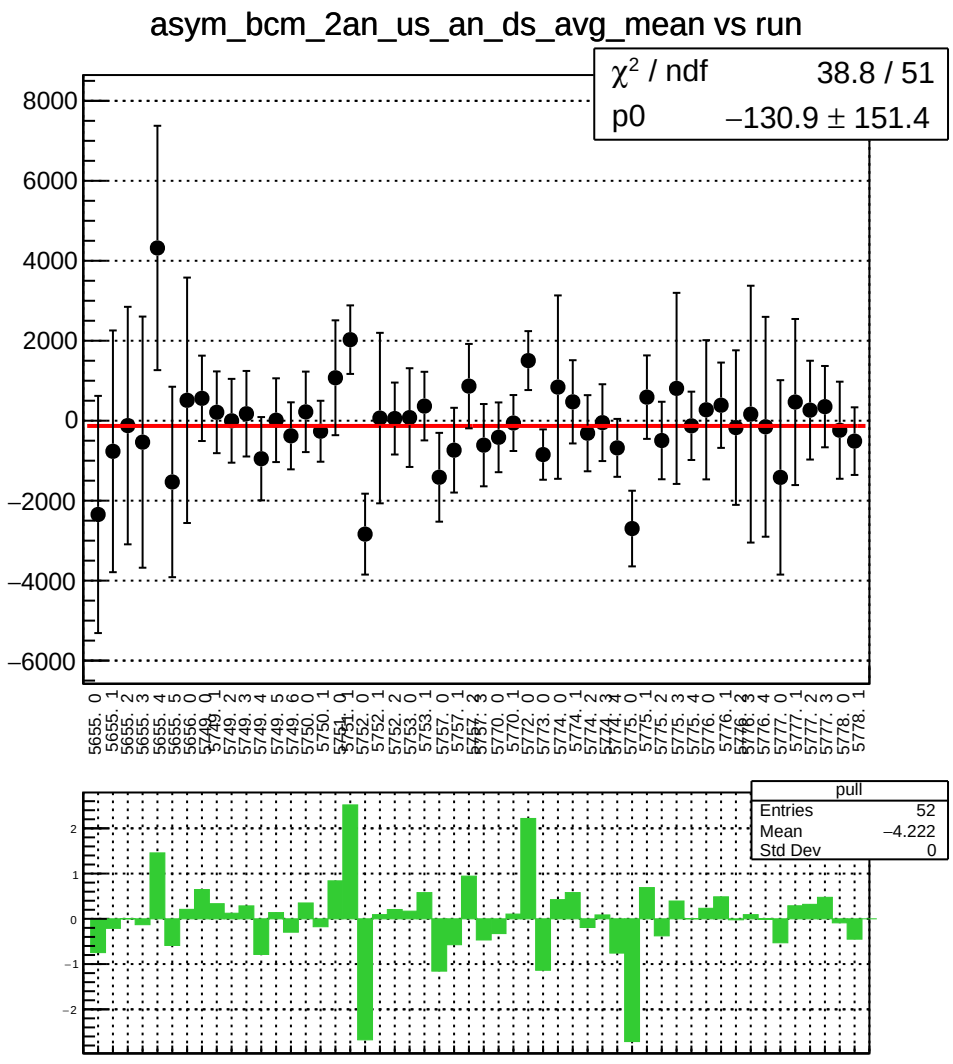
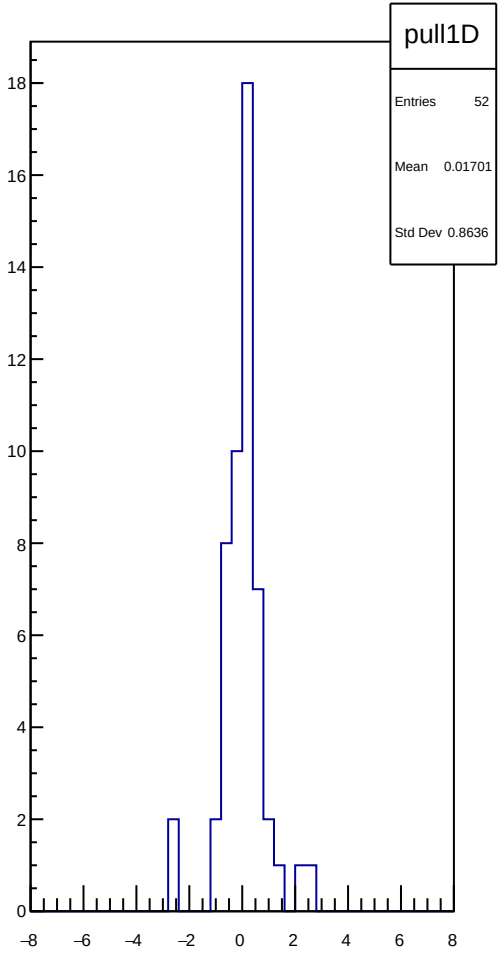
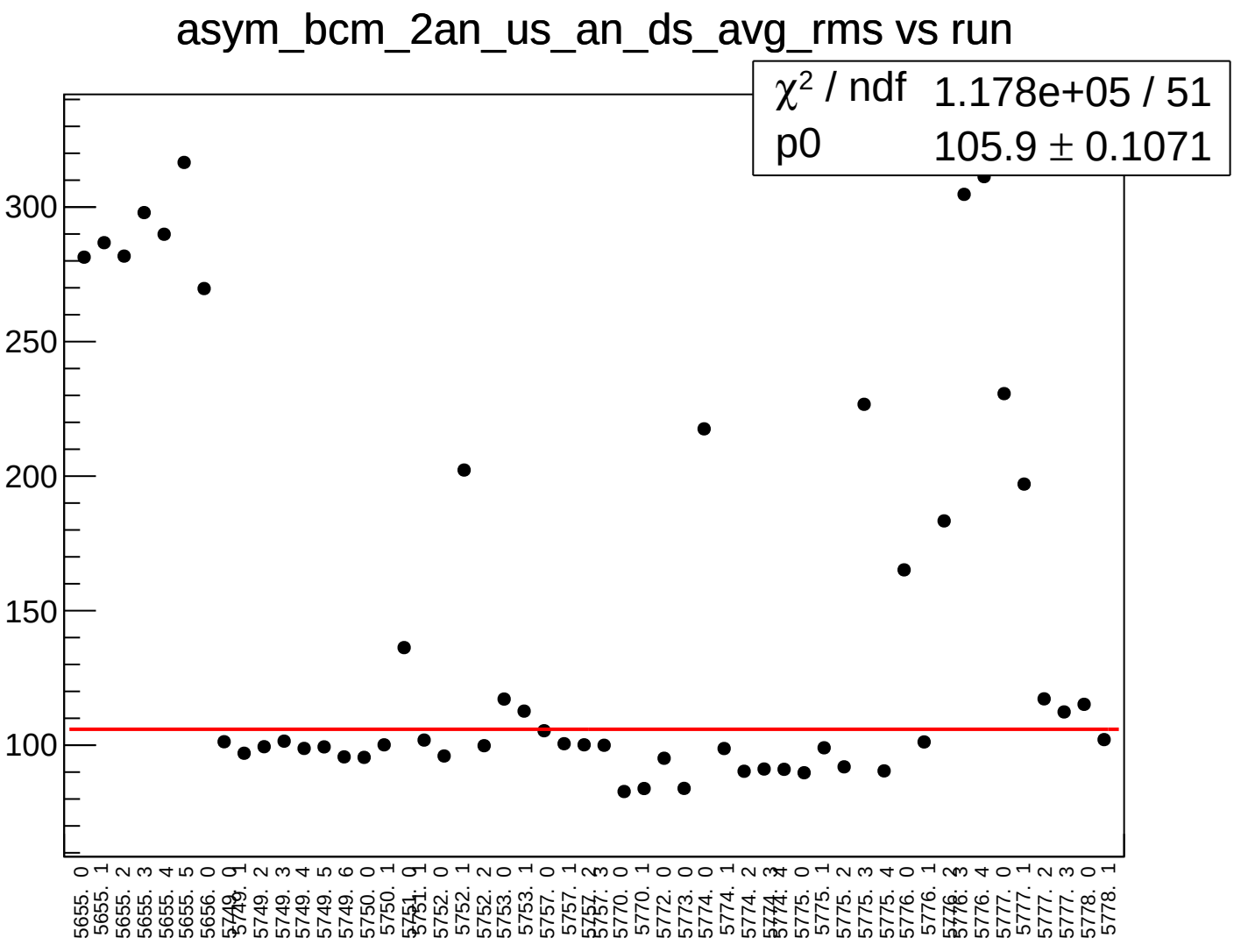
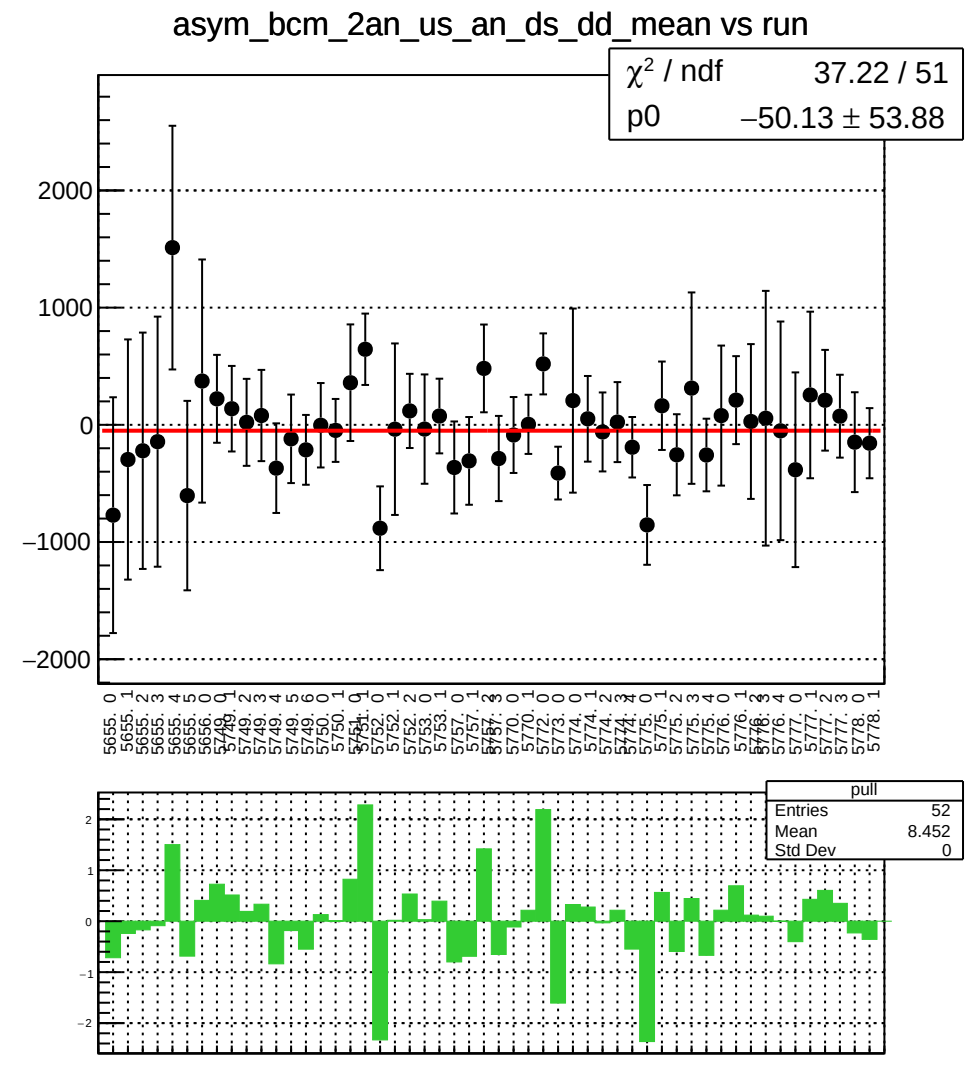
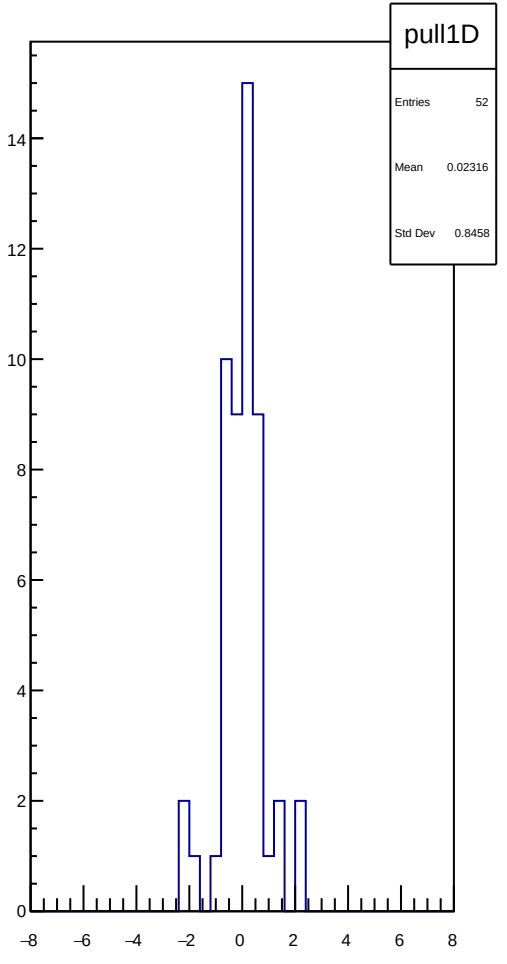
5777. 2
5777. 3
5778. 0
5778. 1

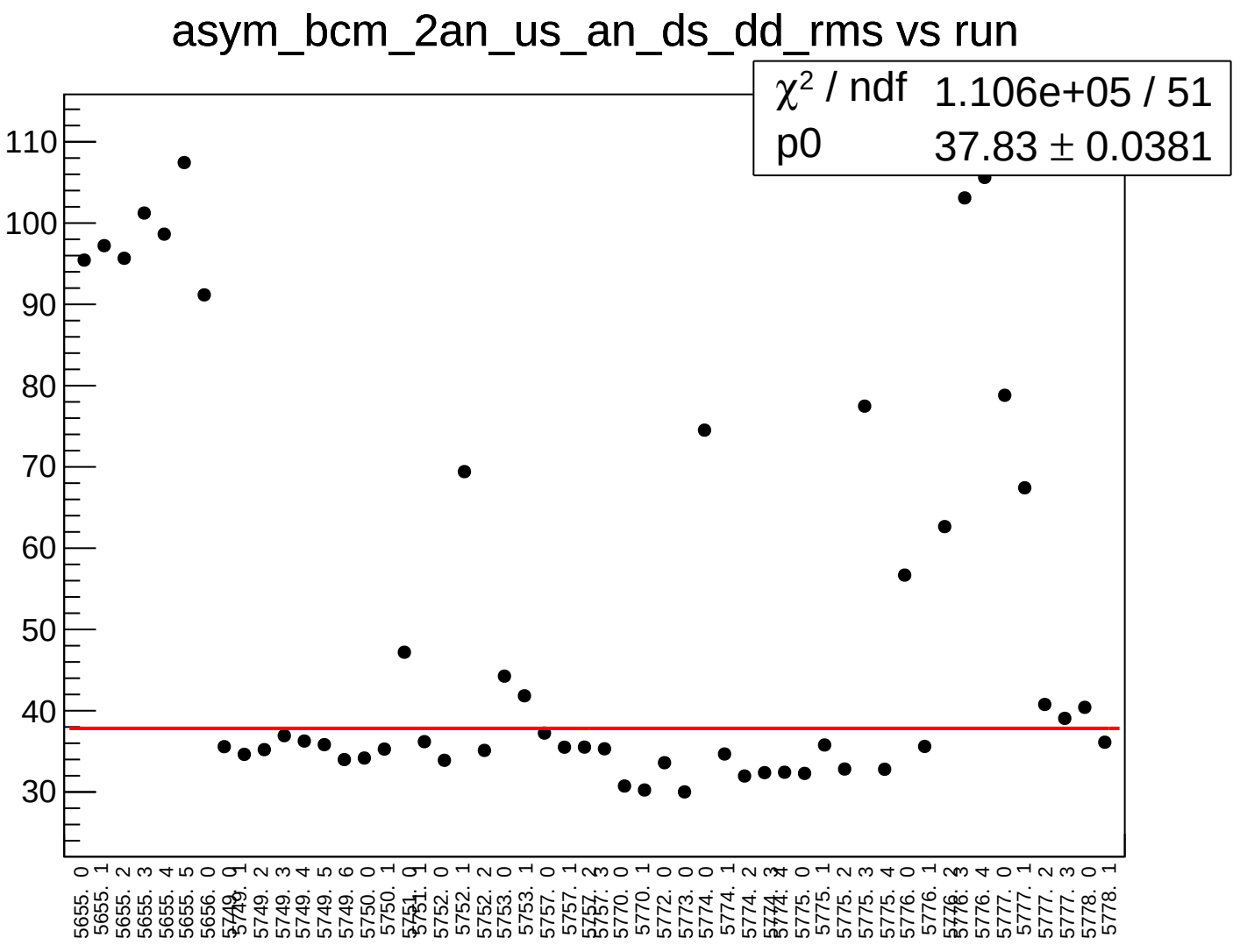

asym_bcm_2an_us_an_ds_avg_mean vs run
χ² / ndf 38.8 / 51
p0 −130.9 ± 151.4
pull
Entries 52
Mean −4.222
Std Dev 0

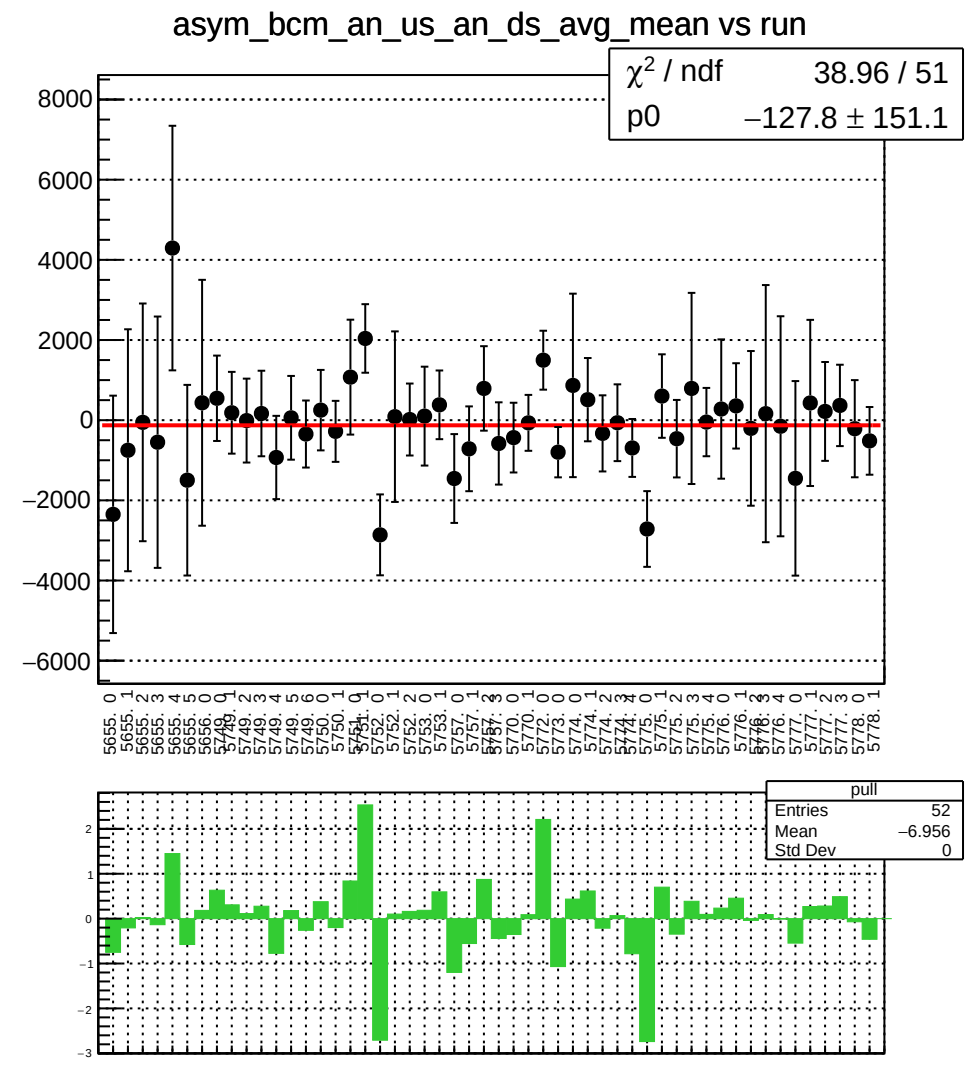

pull1D
Entries 52
Mean 0.01701
Std Dev 0.8636

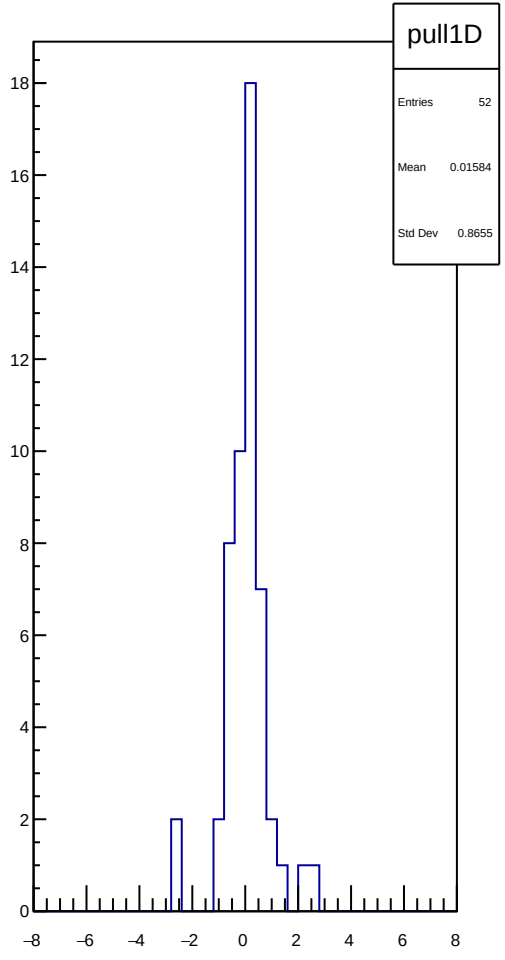

asym_bcm_2an_us_an_ds_avg_rms vs run
χ² / ndf 1.178e+05 / 51
p0 105.9 ± 0.1071
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

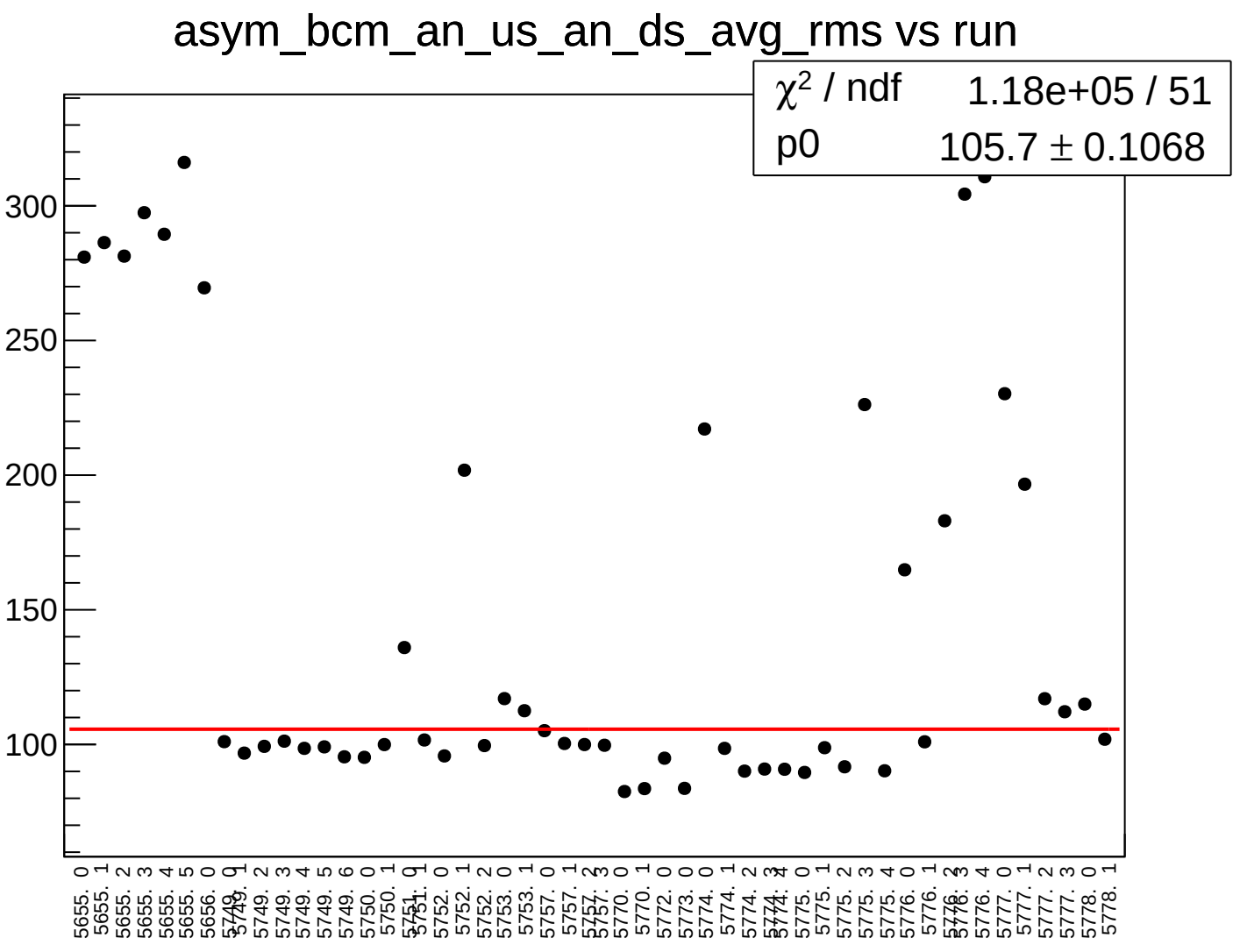

asym_bcm_2an_us_an_ds_dd_mean vs run
χ² / ndf 37.22 / 51
p0 −50.13 ± 53.88
2000
1000
0
−1000
−2000
pull
Entries 52
Mean 8.452
Std Dev 0
2
1
0
−1
−2

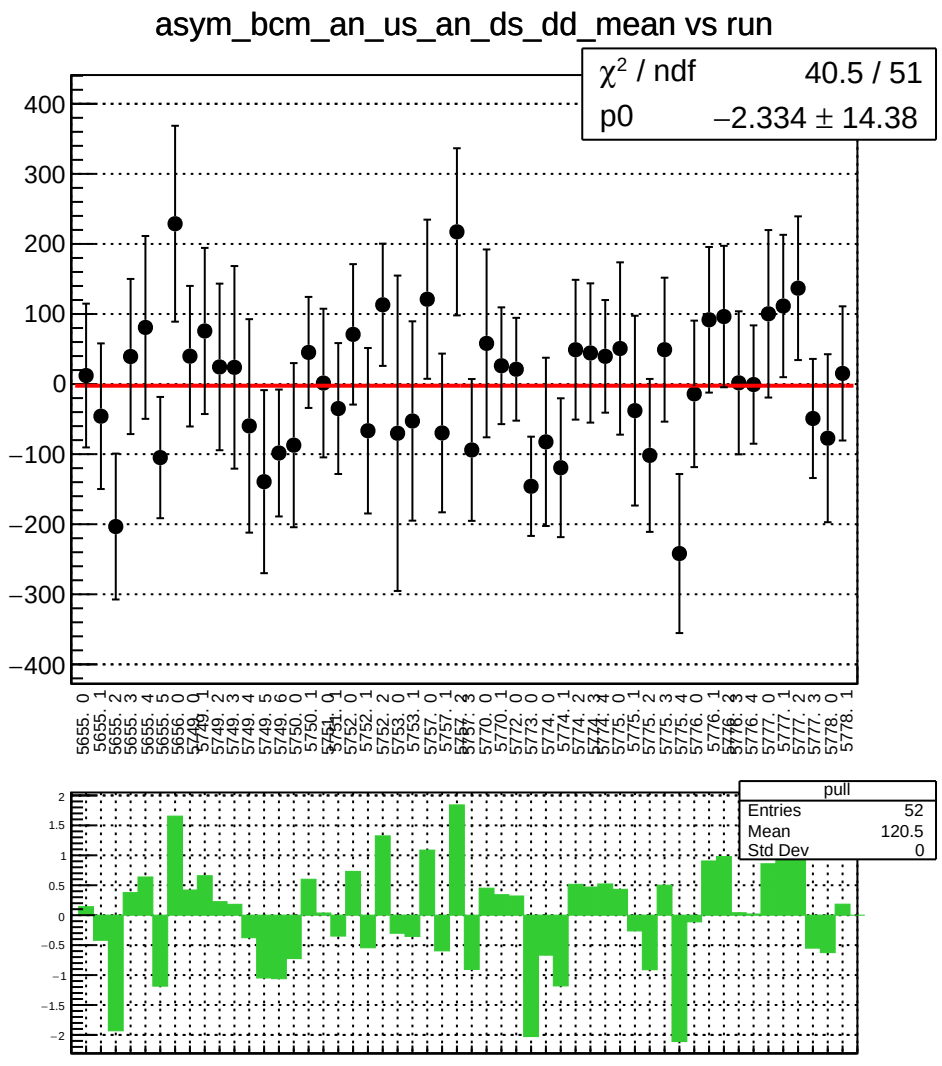

pull1D
Entries 52
Mean 0.02316
Std Dev 0.8458
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

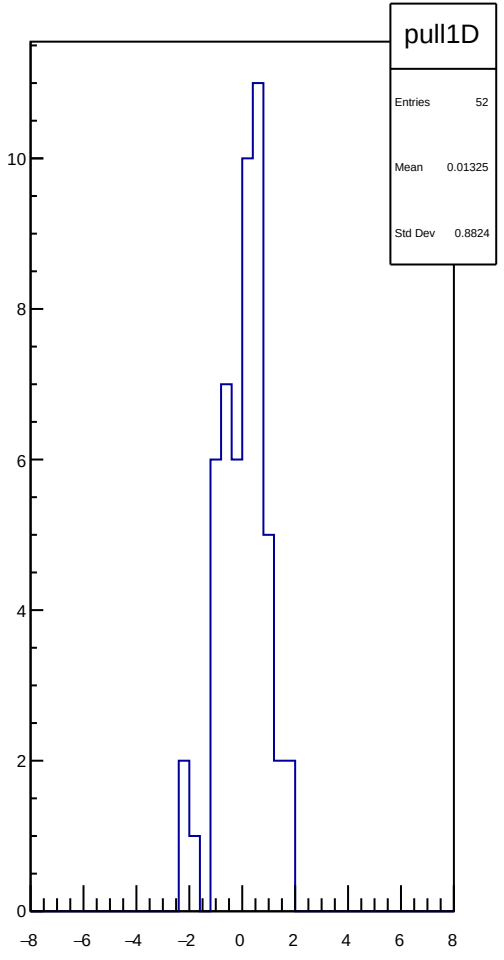

asym_bcm_2an_us_an_ds_dd_rms vs run
χ² / ndf 1.106e+05 / 51
p0 37.83 ± 0.0381
110
100
90
80
70
60
50
40
30
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

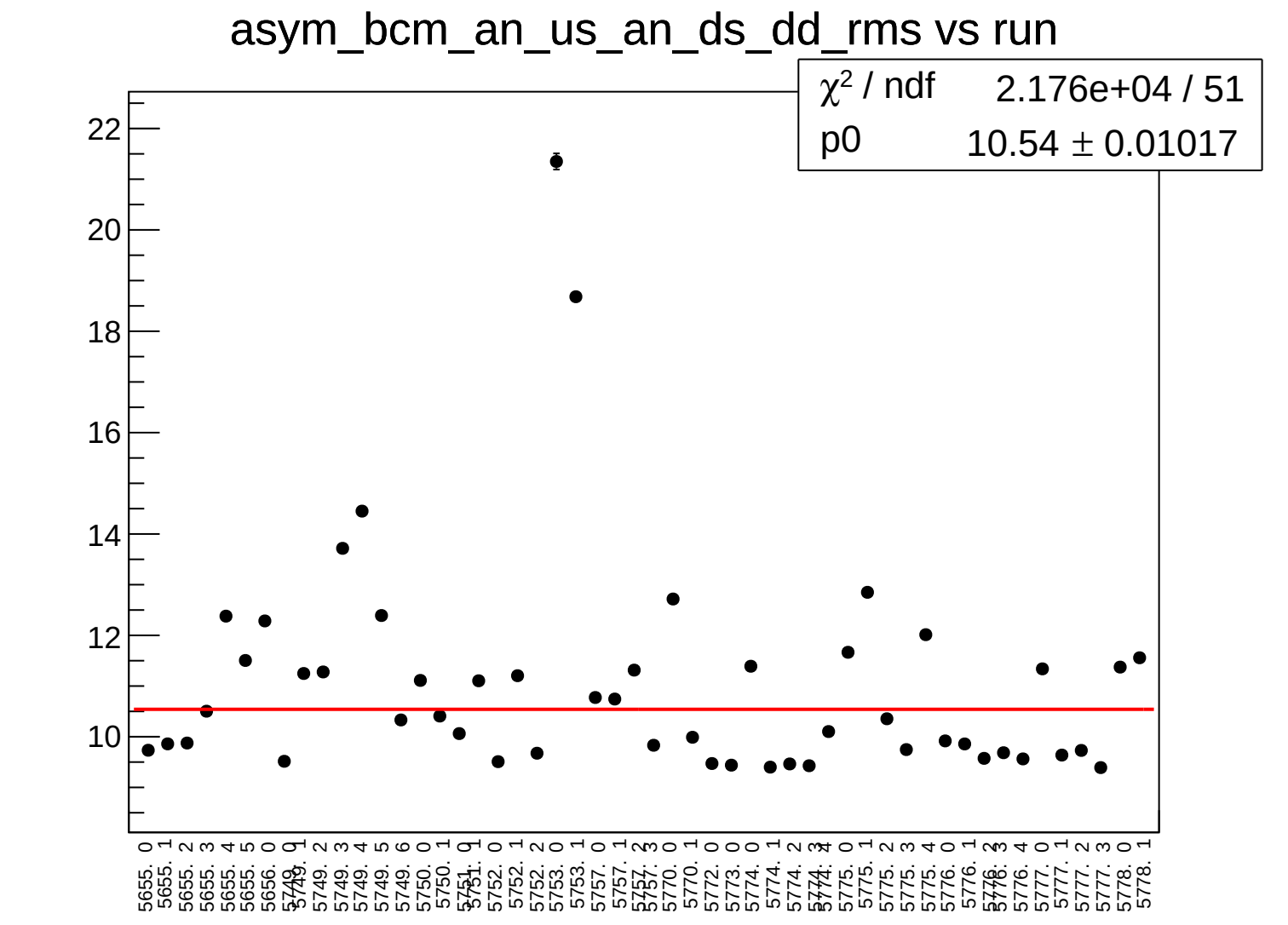

asym_bcm_an_us_an_ds_avg_mean vs run
χ² / ndf 38.96 / 51
p0 −127.8 ± 151.1
pull
Entries 52
Mean −6.956
Std Dev 0

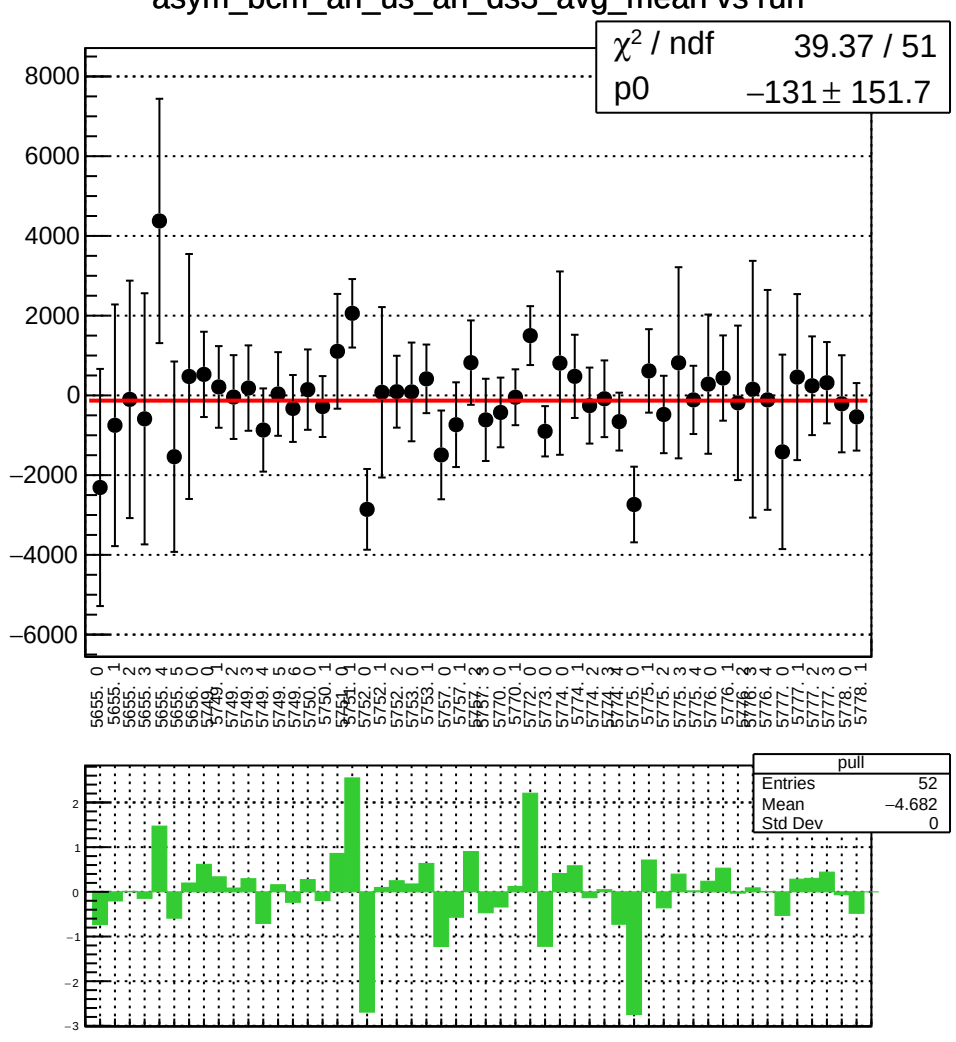

pull1D
Entries 52
Mean 0.01584
Std Dev 0.8655

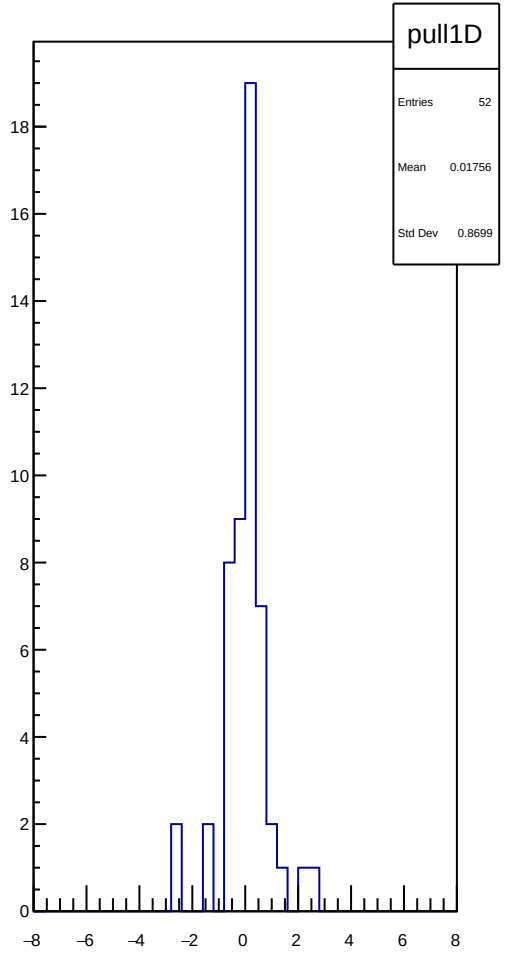

asym_bcm_an_us_an_ds_avg_rms vs run
χ² / ndf 1.18e+05 / 51
p0 105.7 ± 0.1068
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

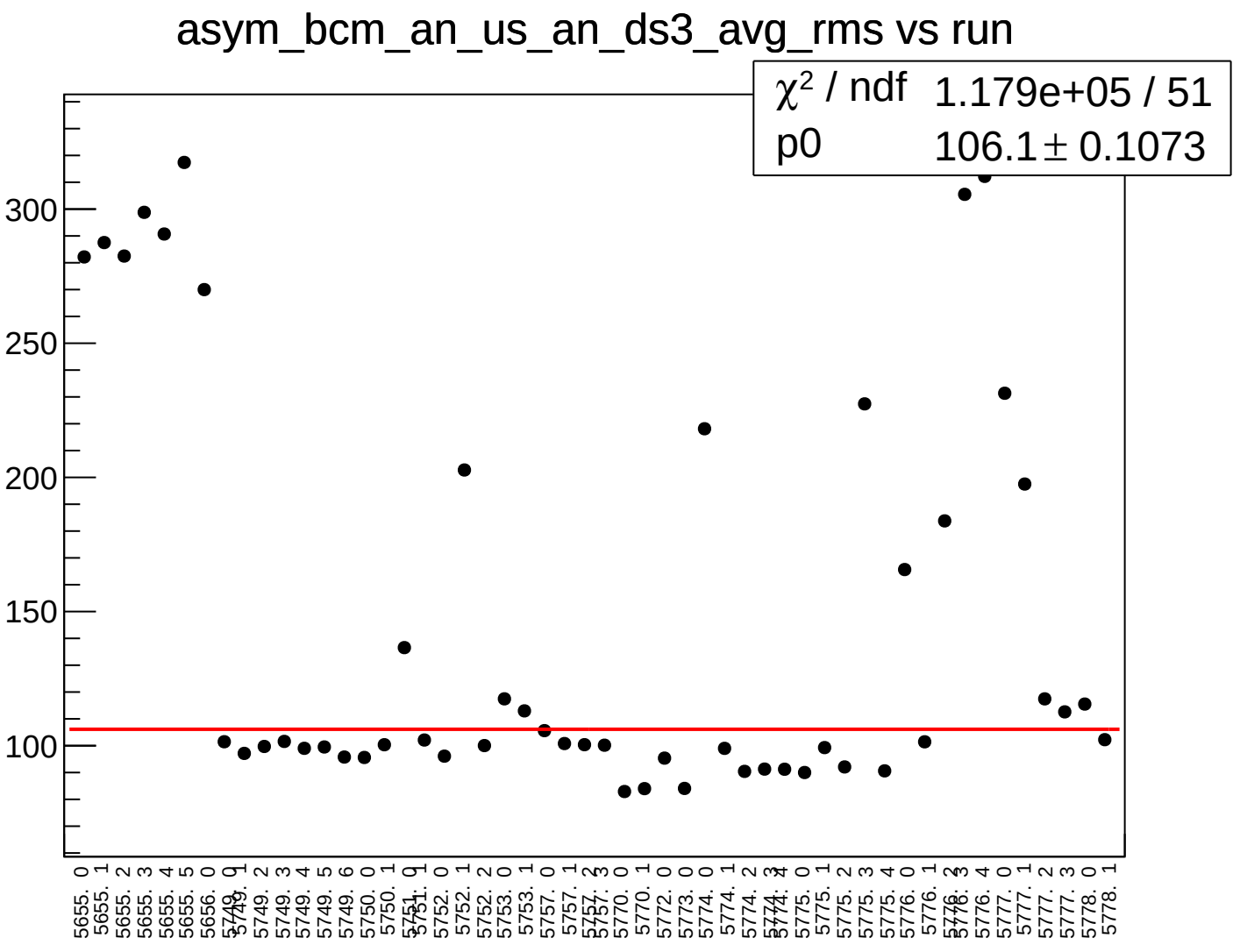

asym_bcm_an_us_an_ds_dd_mean vs run
χ² / ndf 40.5 / 51
p0 −2.334 ± 14.38
pull
Entries 52
Mean 120.5
Std Dev 0

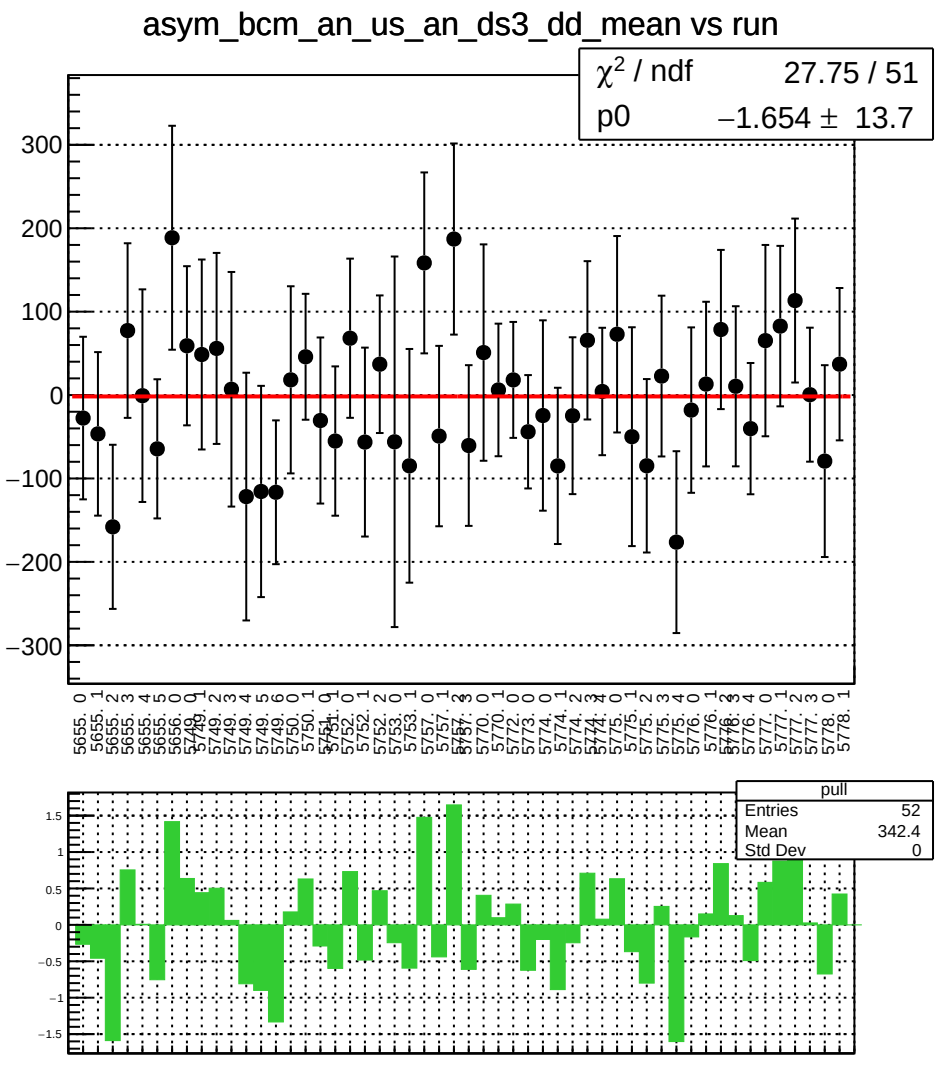

pull1D
Entries 52
Mean 0.01325
Std Dev 0.8824

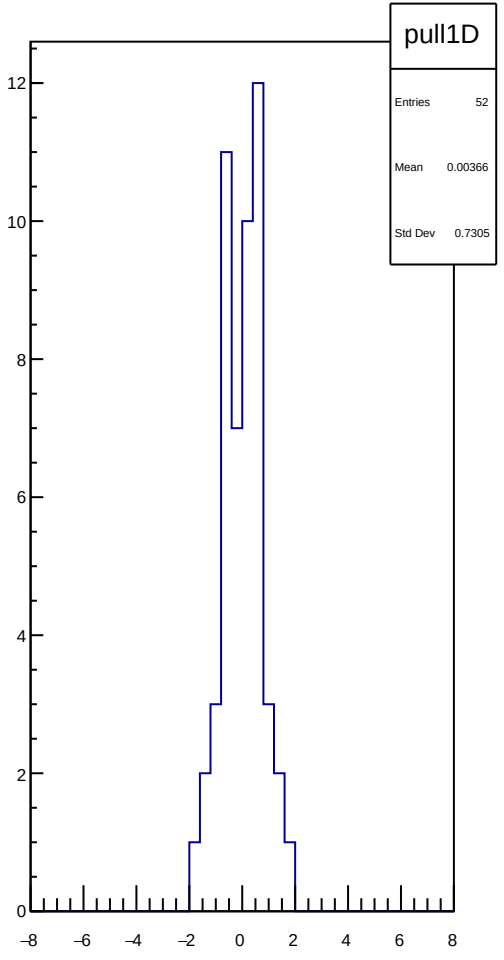

asym_bcm_an_us_an_ds_dd_rms vs run
χ² / ndf 2.176e+04 / 51
p0 10.54 ± 0.01017
22
20
18
16
14
12
10
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

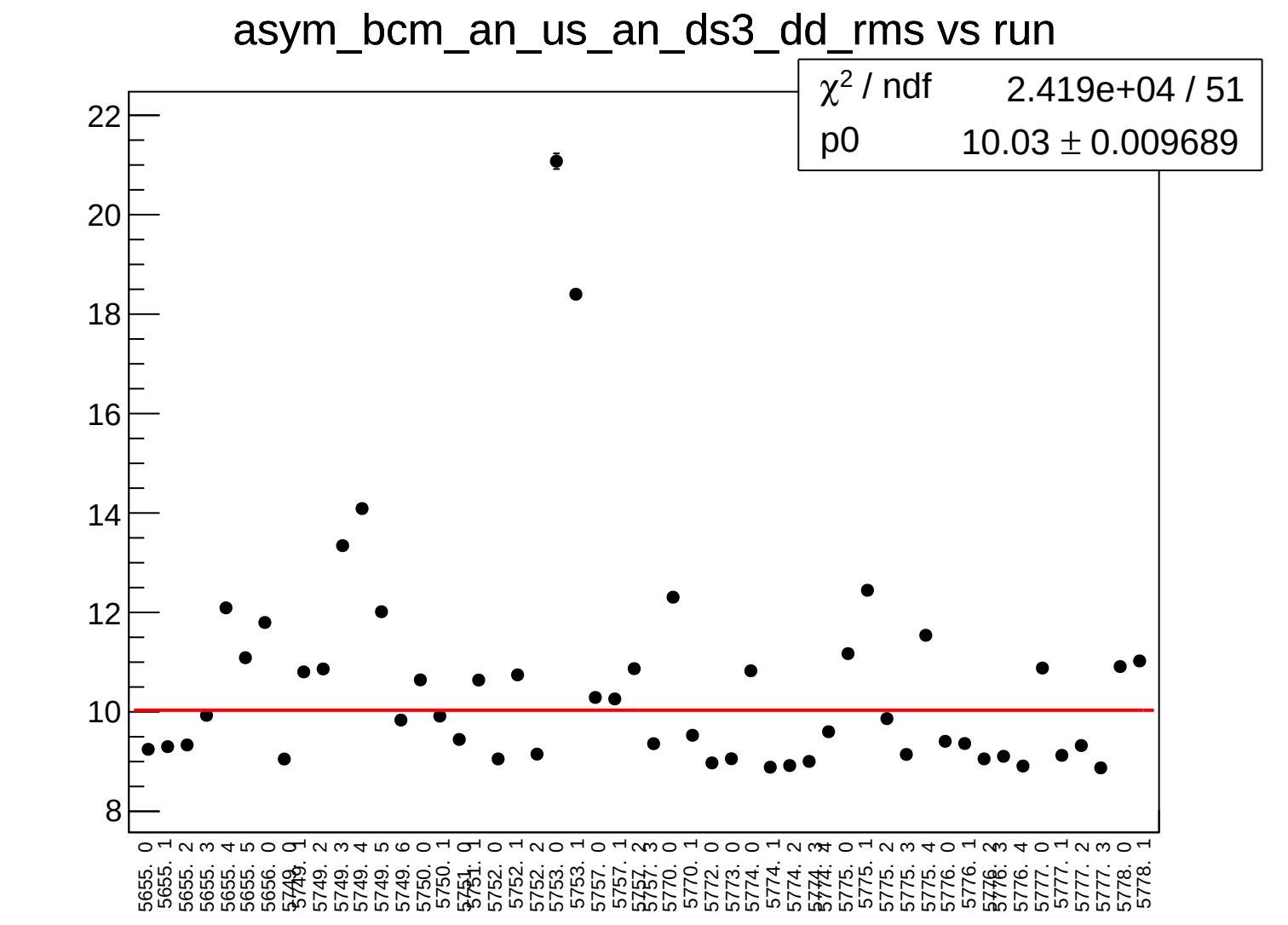

asym_bcm_an_us_an_ds3_avg_mean vs run
χ² / ndf 39.37 / 51
p0 −131 ± 151.7
pull
Entries 52
Mean −4.682
Std Dev 0

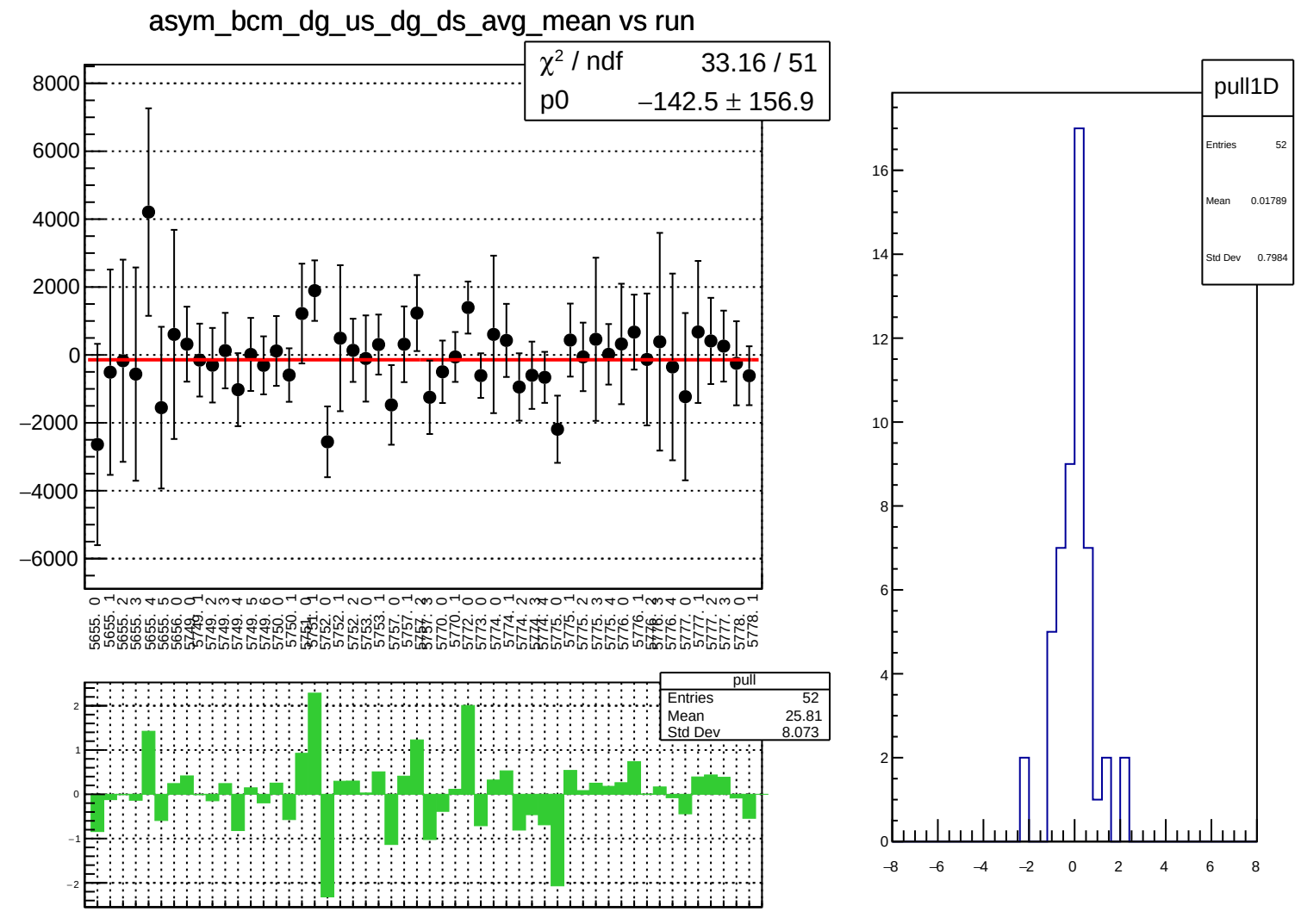

pull1D
Entries 52
Mean 0.01756
Std Dev 0.8699

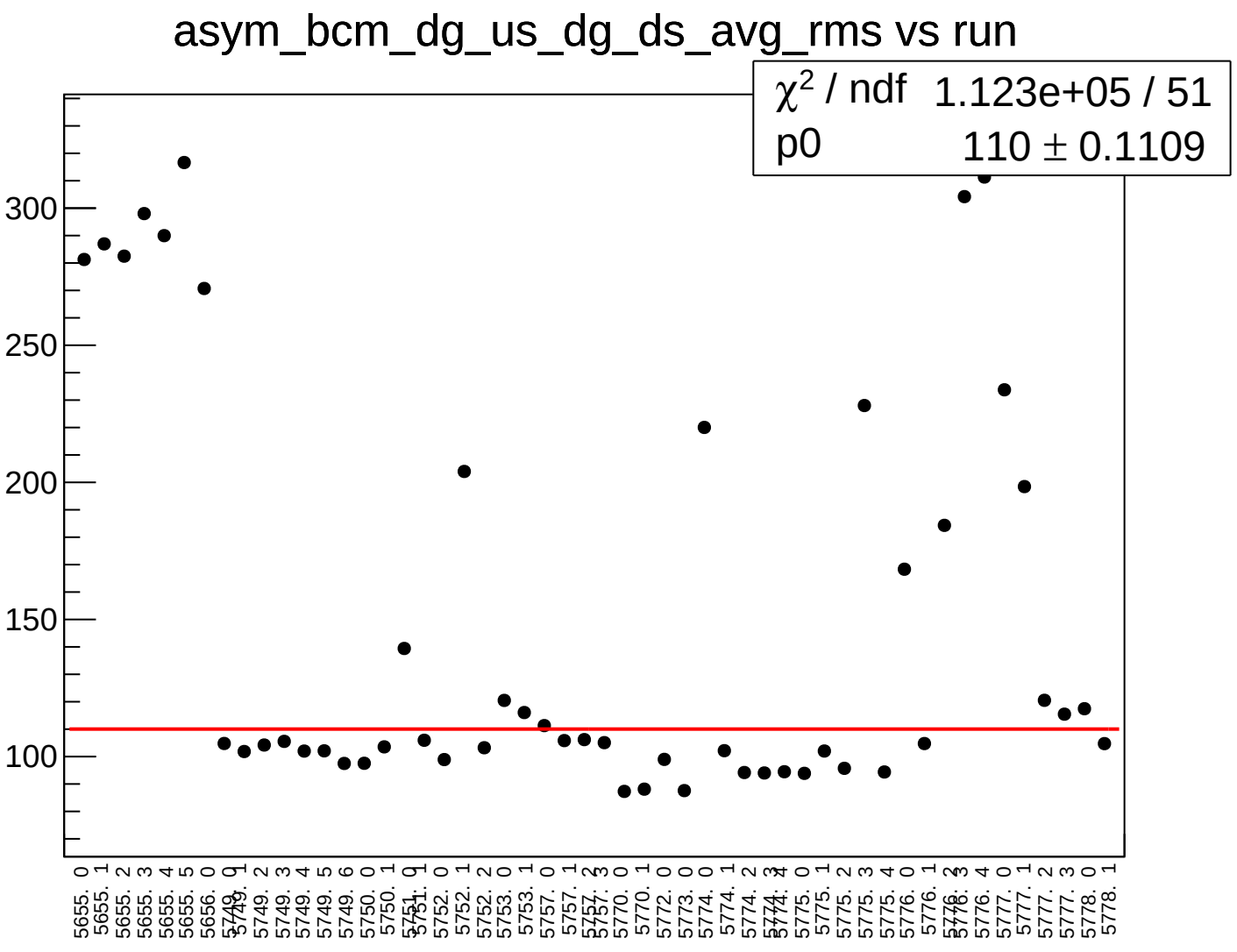

asym_bcm_an_us_an_ds3_avg_rms vs run
χ² / ndf 1.179e+05 / 51
p0 106.1 ± 0.1073
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

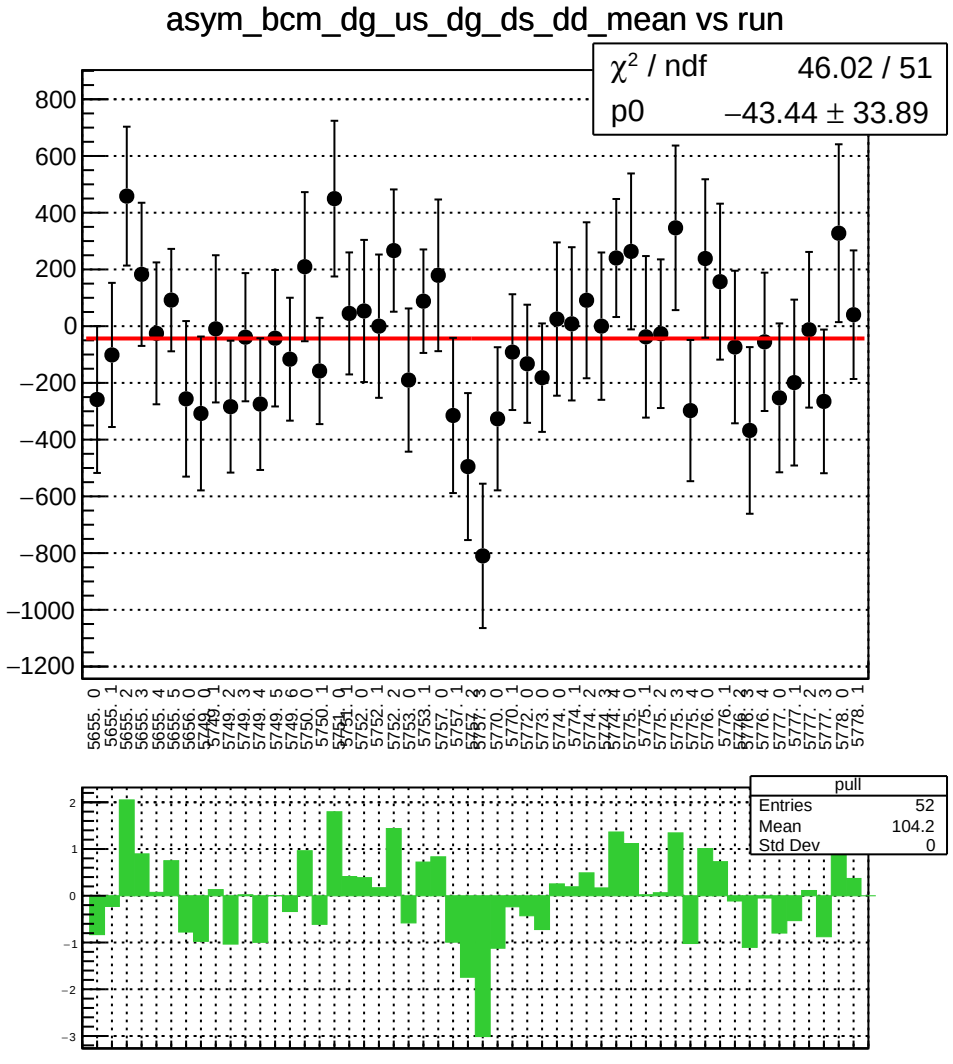

asym_bcm_an_us_an_ds3_dd_mean vs run
χ² / ndf 27.75 / 51
p0 −1.654 ± 13.7
pull
Entries 52
Mean 342.4
Std Dev 0

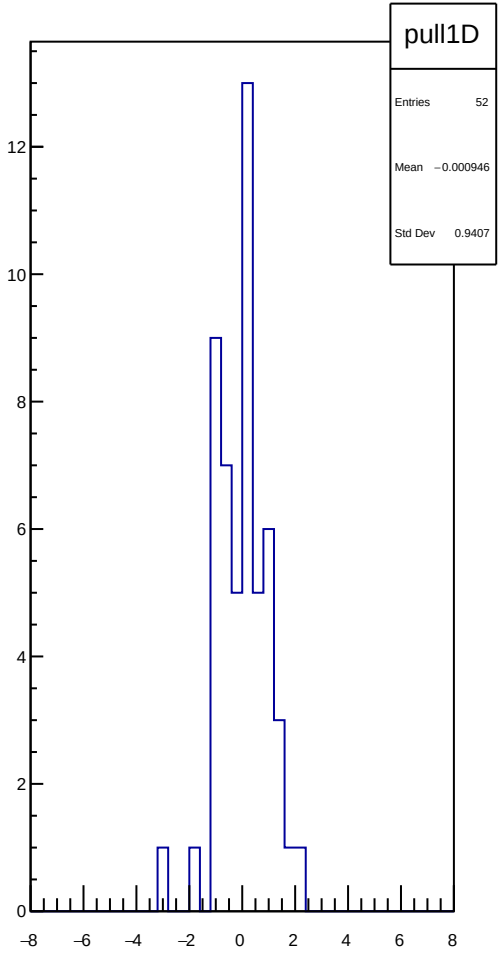

pull1D
Entries 52
Mean 0.00366
Std Dev 0.7305

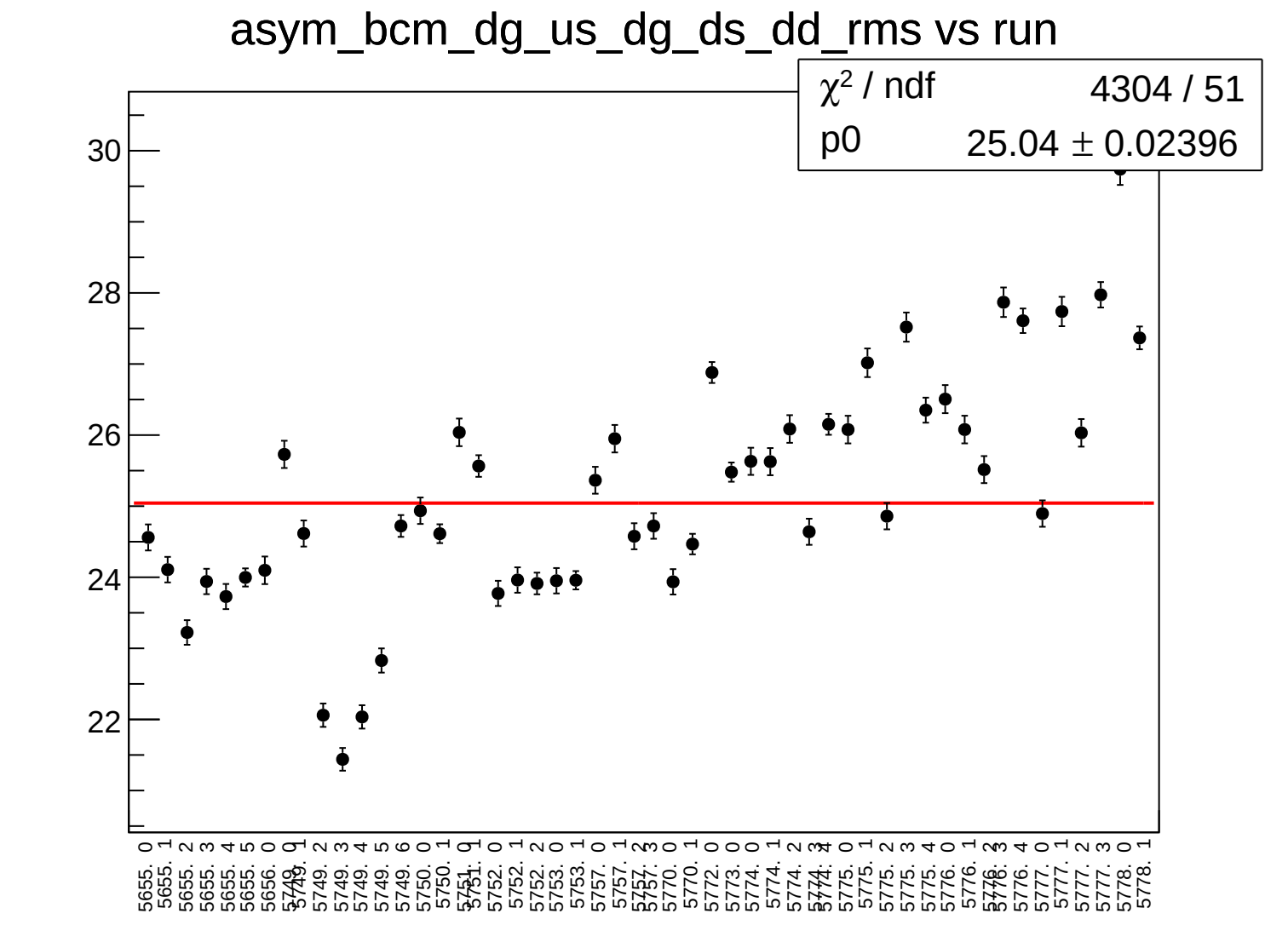

asym_bcm_an_us_an_ds3_dd_rms vs run
χ² / ndf 2.419e+04 / 51
p0 10.03 ± 0.009689
22
20
18
16
14
12
10
8
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

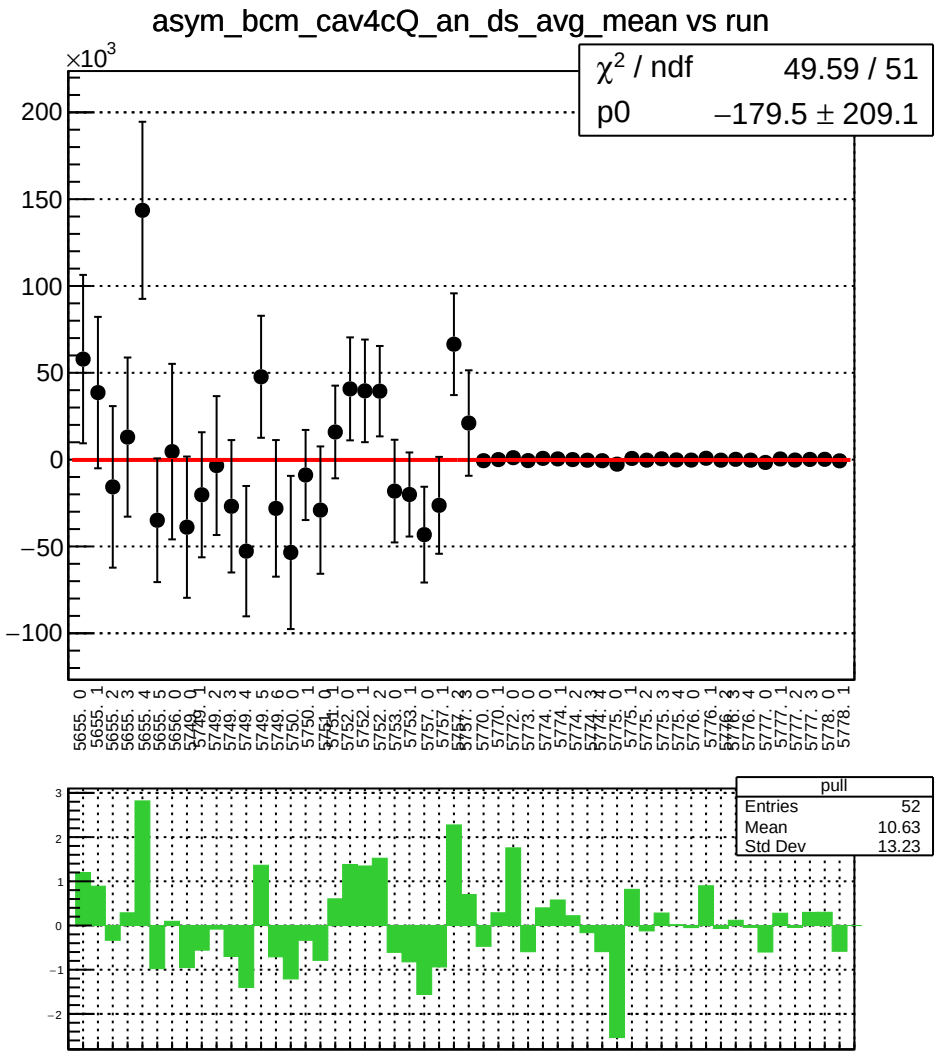

asym_bcm_dg_us_dg_ds_avg_mean vs run
χ² / ndf 33.16 / 51
p0 −142.5 ± 156.9
pull
Entries 52
Mean 25.81
Std Dev 8.073
pull1D
Entries 52
Mean 0.01789
Std Dev 0.7984

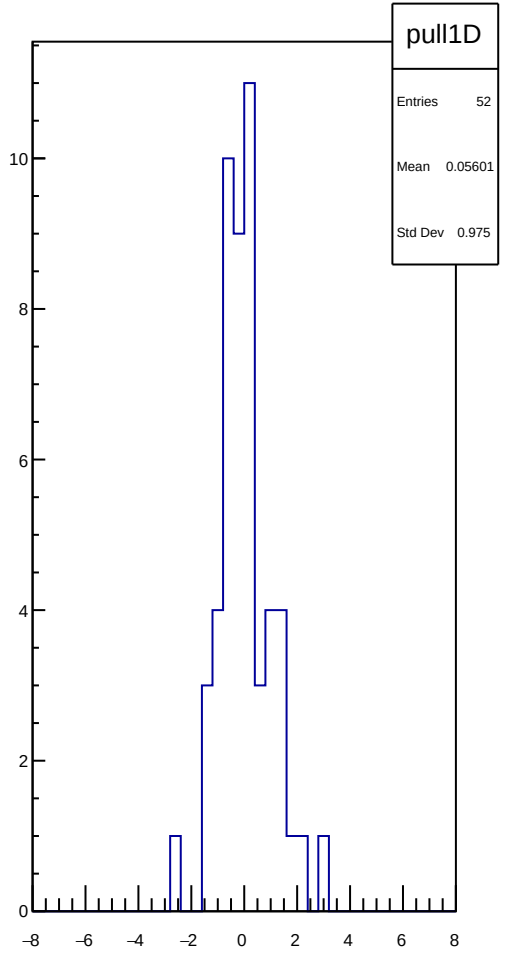

asym_bcm_dg_us_dg_ds_avg_rms vs run
χ² / ndf 1.123e+05 / 51
p0 110 ± 0.1109
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

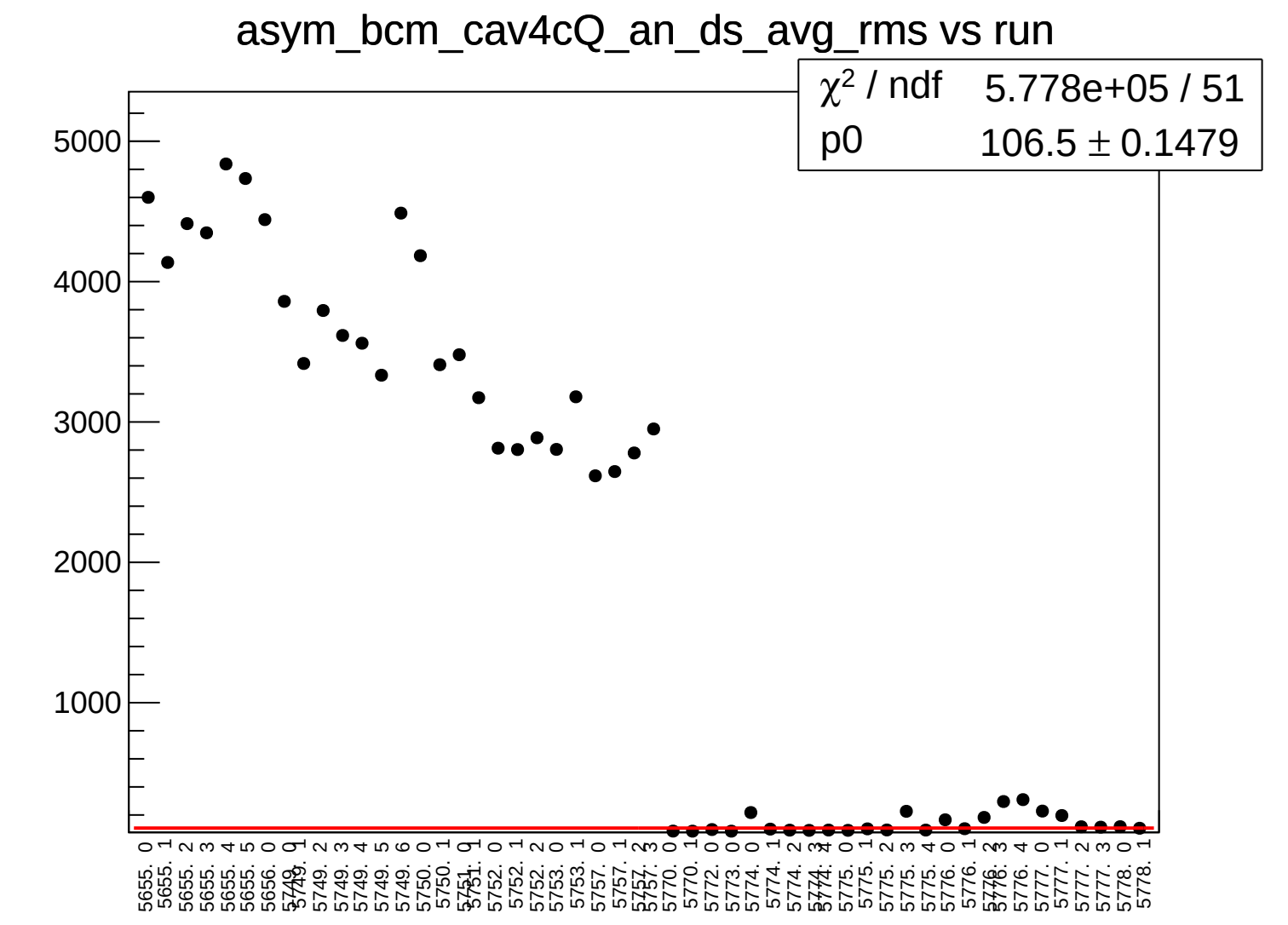

asym_bcm_dg_us_dg_ds_dd_mean vs run
χ² / ndf 46.02 / 51
p0 −43.44 ± 33.89
pull
Entries 52
Mean 104.2
Std Dev 0

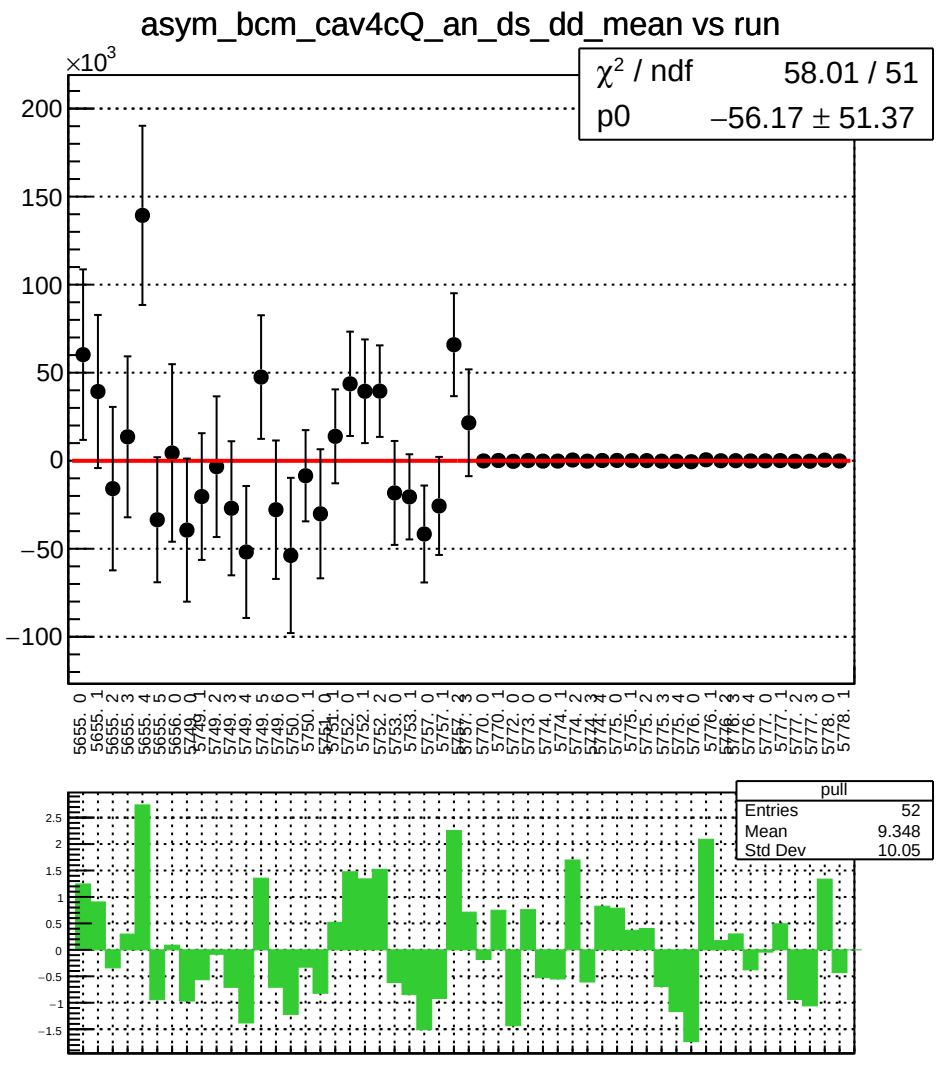

pull1D
Entries 52
Mean −0.000946
Std Dev 0.9407

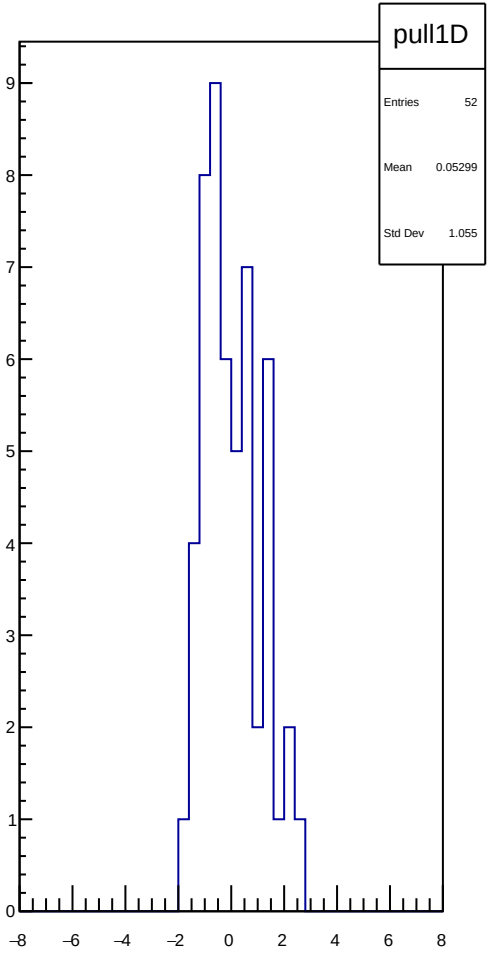

asym_bcm_dg_us_dg_ds_dd_rms vs run
χ² / ndf 4304 / 51
p0 25.04 ± 0.02396
30
28
26
24
22
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

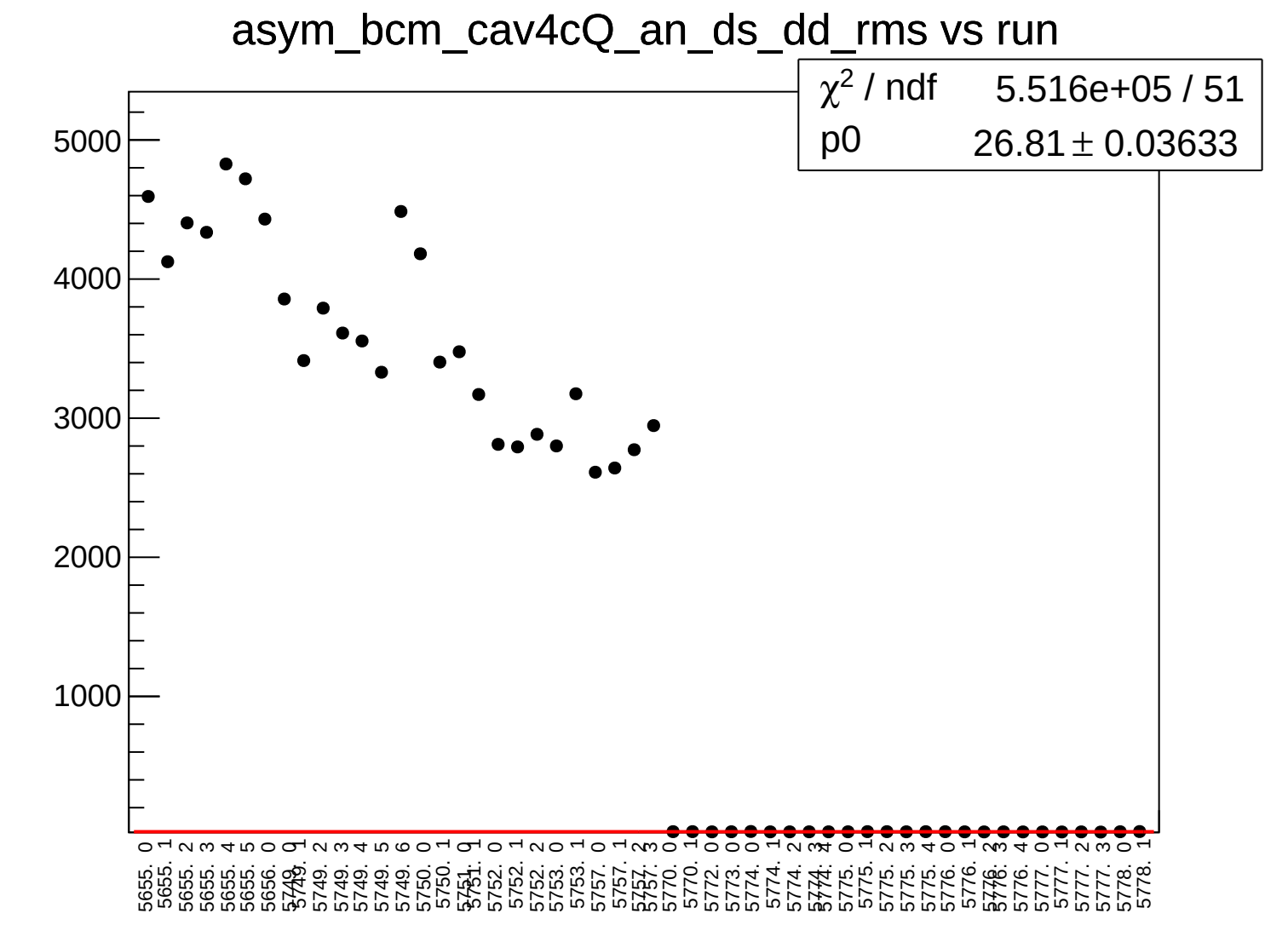

asym_bcm_cav4cQ_an_ds_avg_mean vs run
×10^3
χ² / ndf 49.59 / 51
p0 −179.5 ± 209.1
200
150
100
50
0
−50
−100
pull
Entries 52
Mean 10.63
Std Dev 13.23
3
2
1
0
−1
−2

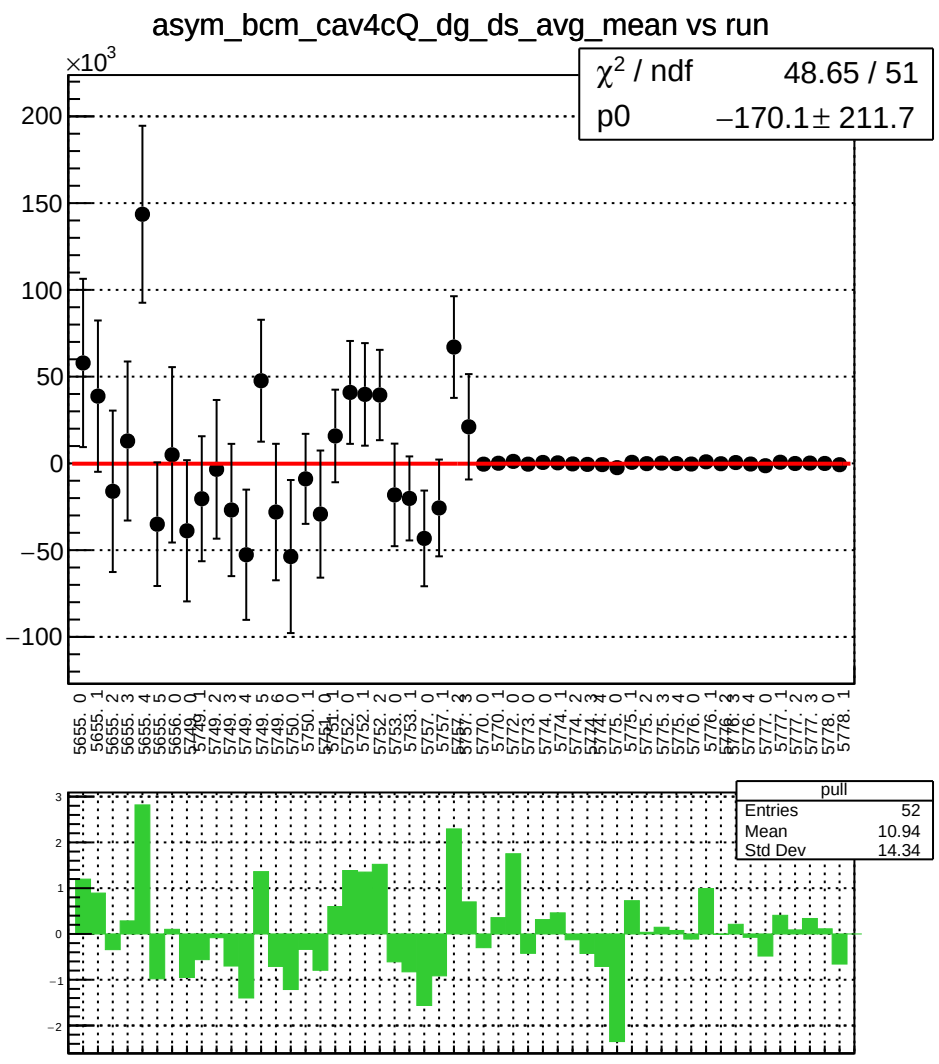

pull1D
Entries 52
Mean 0.05601
Std Dev 0.975
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

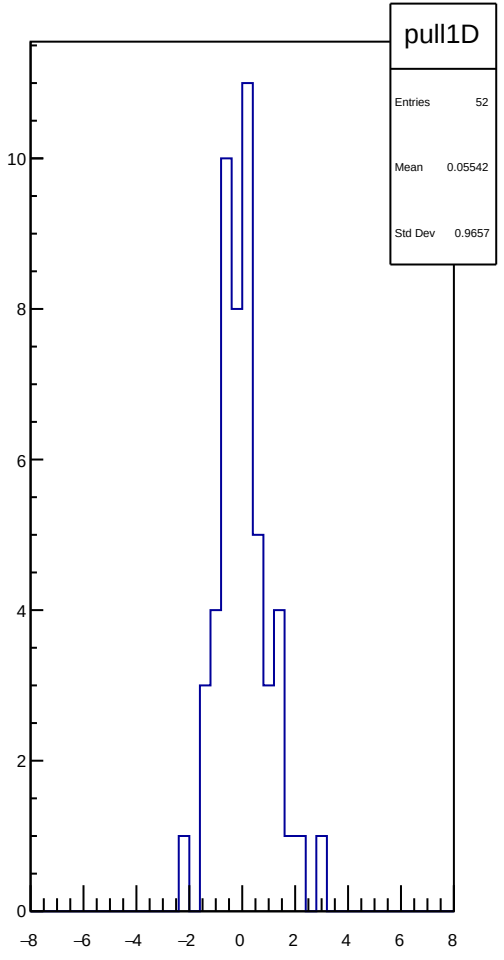

asym_bcm_cav4cQ_an_ds_avg_rms vs run
χ² / ndf 5.778e+05 / 51
p0 106.5 ± 0.1479
5000
4000
3000
2000
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

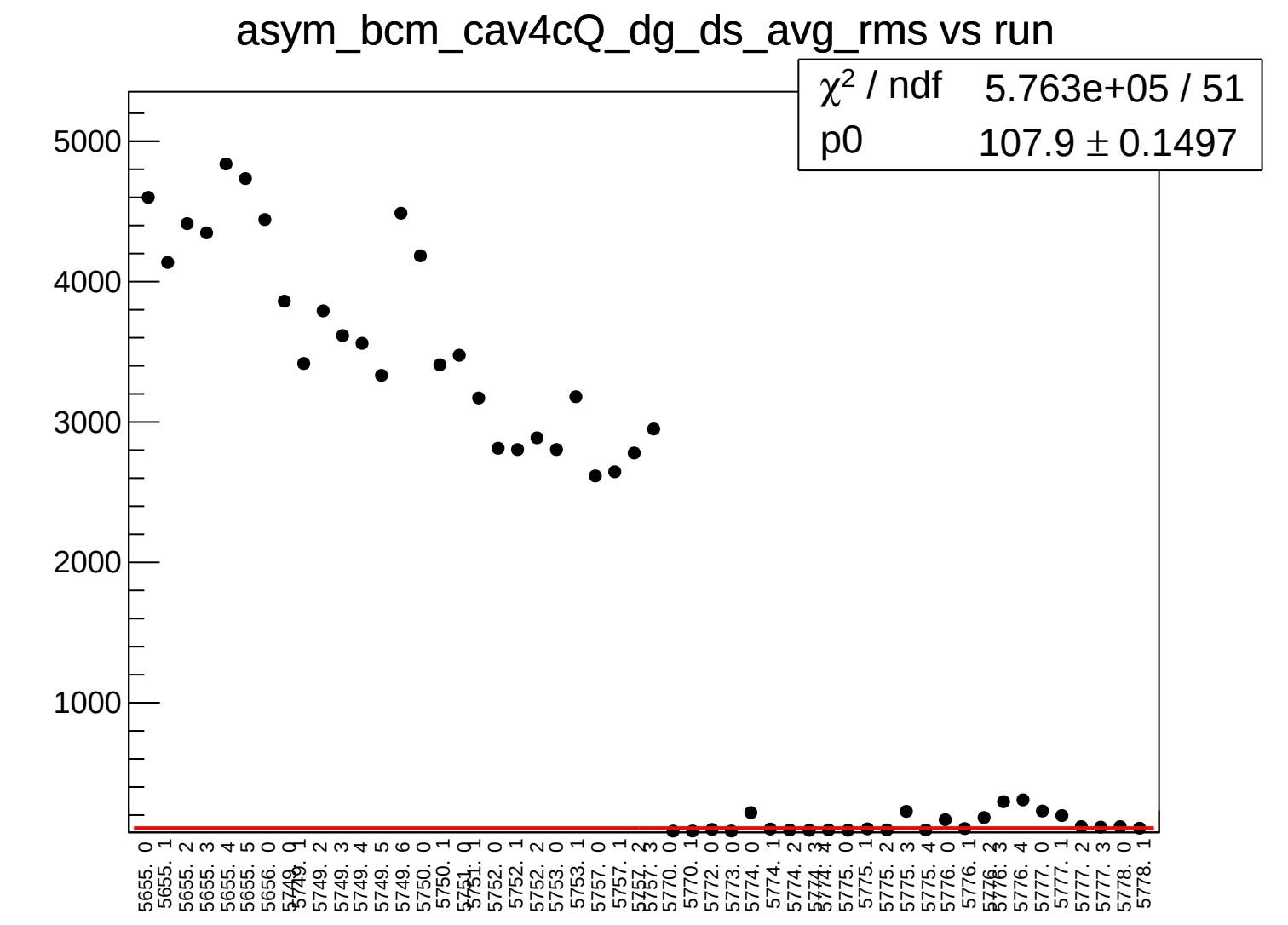

asym_bcm_cav4cQ_an_ds_dd_mean vs run
×10^3
χ² / ndf 58.01 / 51
p0 −56.17 ± 51.37
200
150
100
50
0
−50
−100
pull
Entries 52
Mean 9.348
Std Dev 10.05
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

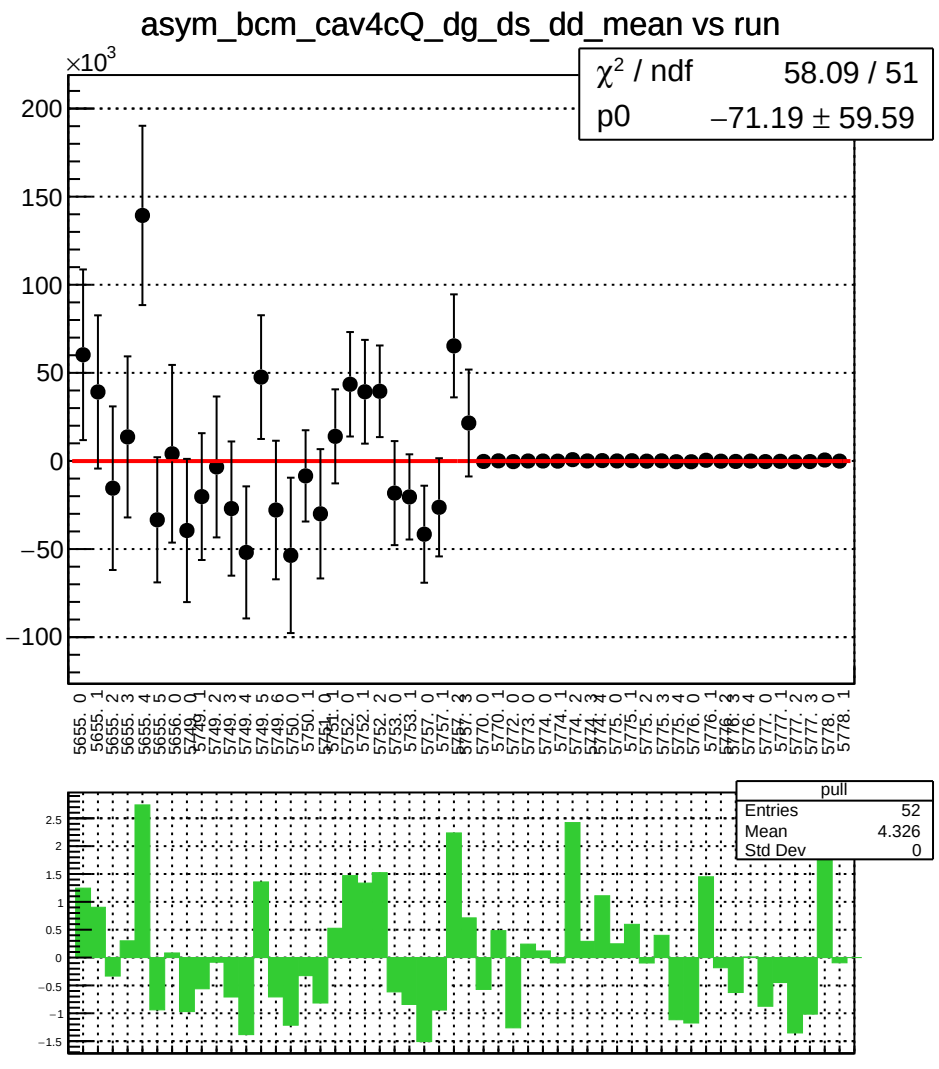

pull1D
Entries 52
Mean 0.05299
Std Dev 1.055
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

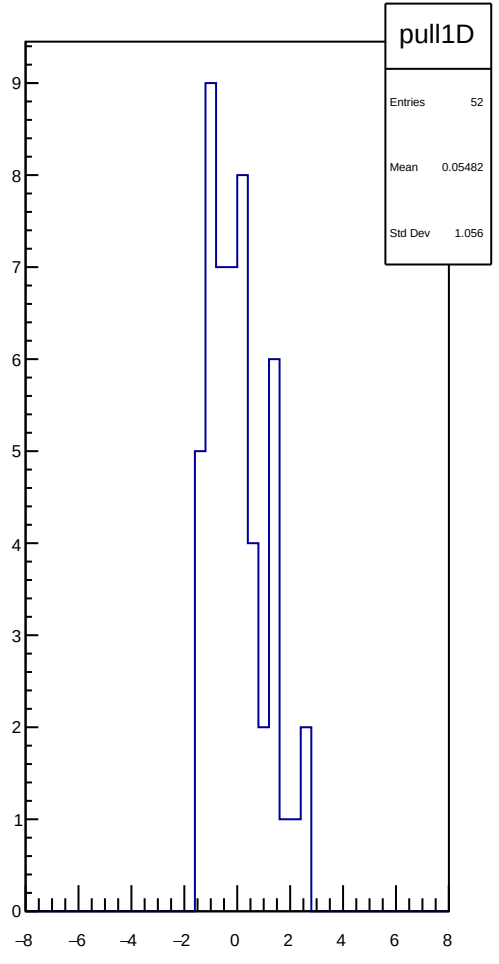

asym_bcm_cav4cQ_an_ds_dd_rms vs run
χ² / ndf 5.516e+05 / 51
p0 26.81 ± 0.03633
5000
4000
3000
2000
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

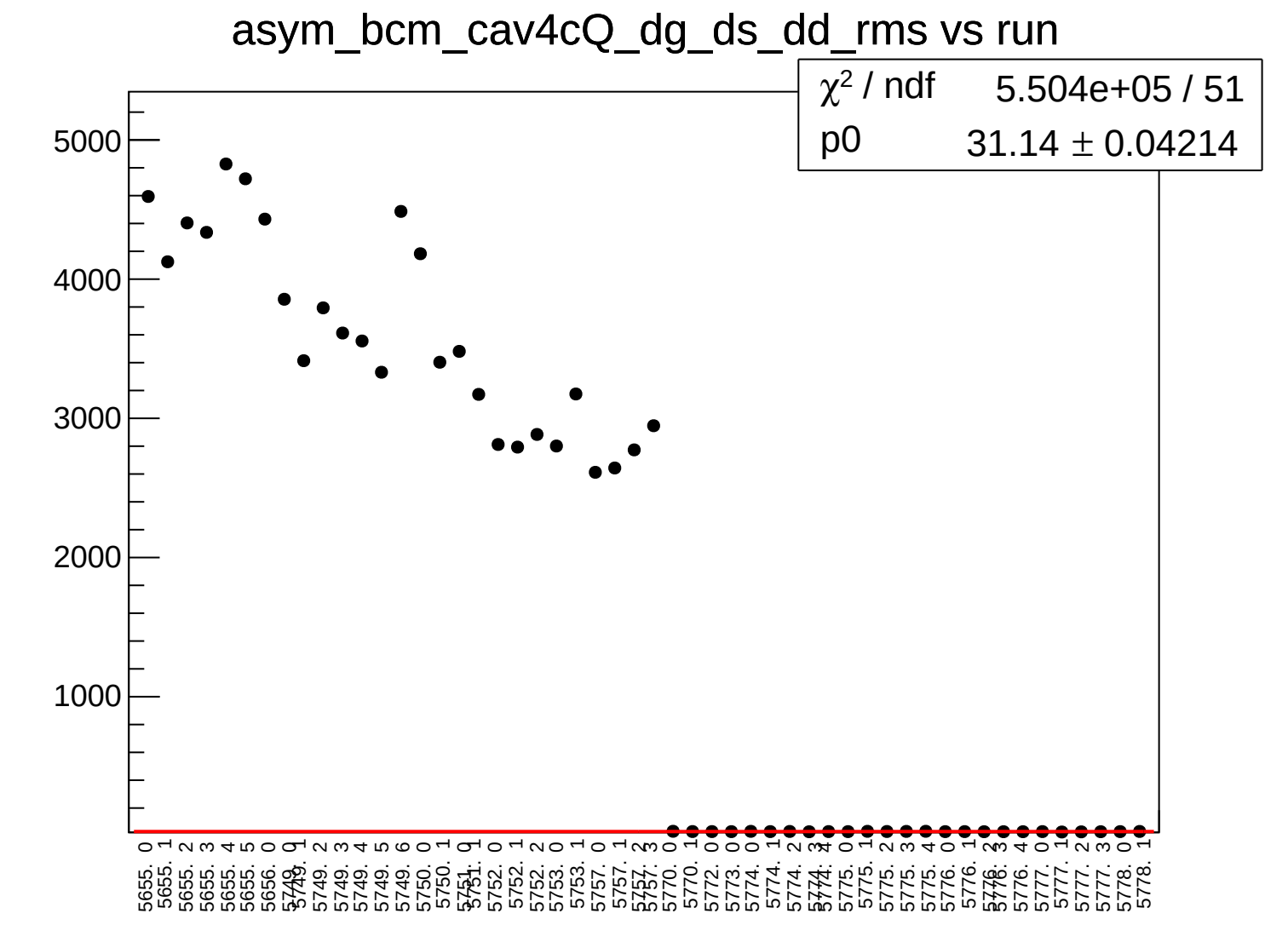

asym_bcm_cav4cQ_dg_ds_avg_mean vs run
×10^3
χ² / ndf 48.65 / 51
p0 −170.1± 211.7
200
150
100
50
0
−50
−100
pull
Entries 52
Mean 10.94
Std Dev 14.34
3
2
1
0
−1
−2

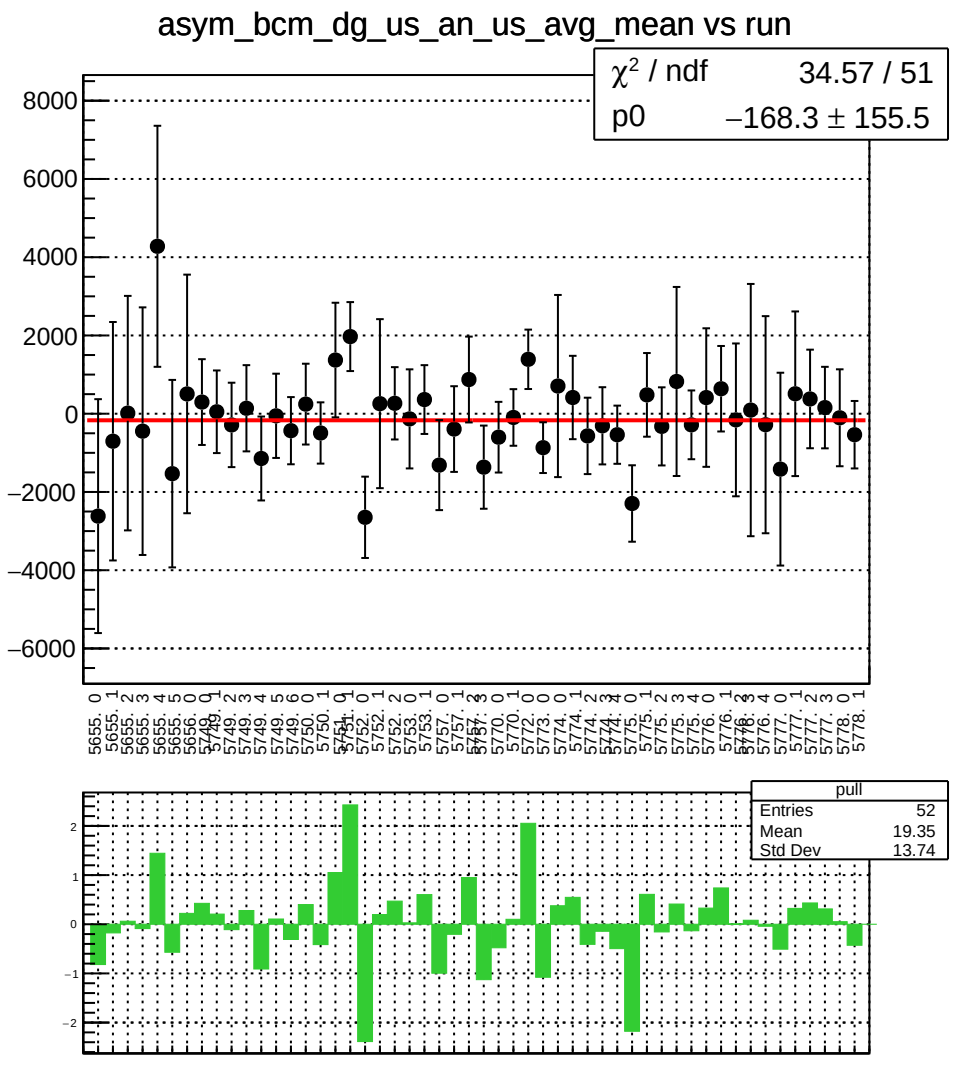

pull1D
Entries 52
Mean 0.05542
Std Dev 0.9657
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

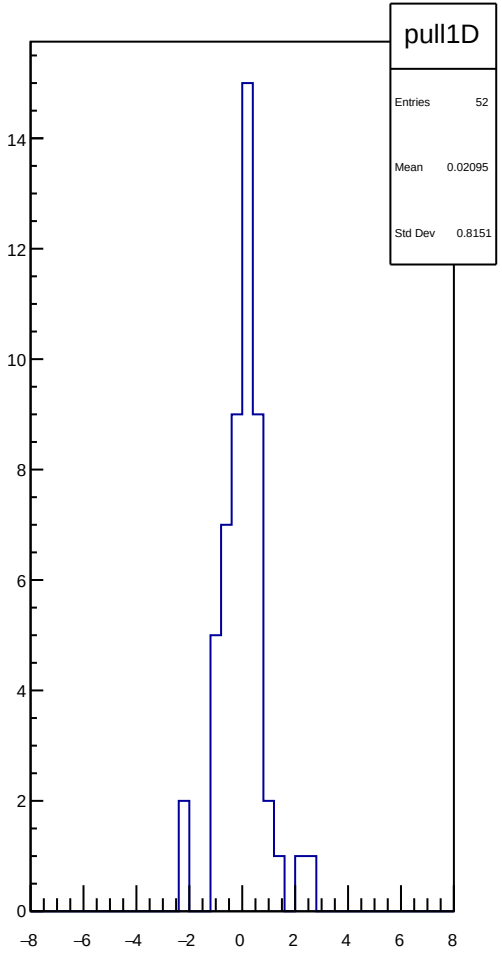

asym_bcm_cav4cQ_dg_ds_avg_rms vs run
χ² / ndf 5.763e+05 / 51
p0 107.9 ± 0.1497
5000
4000
3000
2000
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

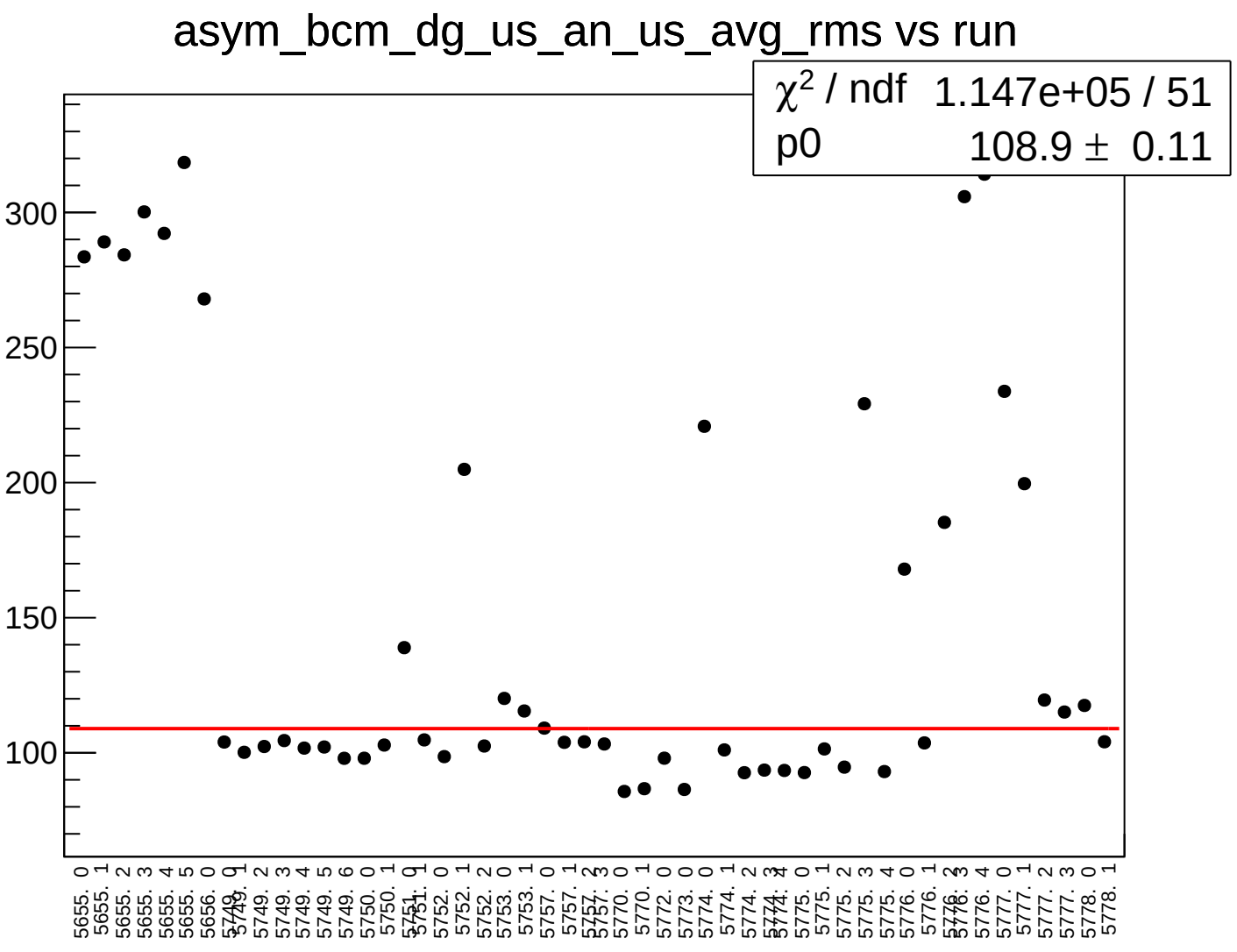

asym_bcm_cav4cQ_dg_ds_dd_mean vs run
×10^3
χ² / ndf 58.09 / 51
p0 −71.19 ± 59.59
pull
Entries 52
Mean 4.326
Std Dev 0


pull1D
Entries 52
Mean 0.05482
Std Dev 1.056


asym_bcm_cav4cQ_dg_ds_dd_rms vs run
χ² / ndf 5.504e+05 / 51
p0 31.14 ± 0.04214
5000
4000
3000
2000
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_bcm_dg_us_an_us_avg_mean vs run
χ² / ndf 34.57 / 51
p0 −168.3 ± 155.5
pull
Entries 52
Mean 19.35
Std Dev 13.74


pull1D
Entries 52
Mean 0.02095
Std Dev 0.8151


asym_bcm_dg_us_an_us_avg_rms vs run
χ² / ndf 1.147e+05 / 51
p0 108.9 ± 0.11
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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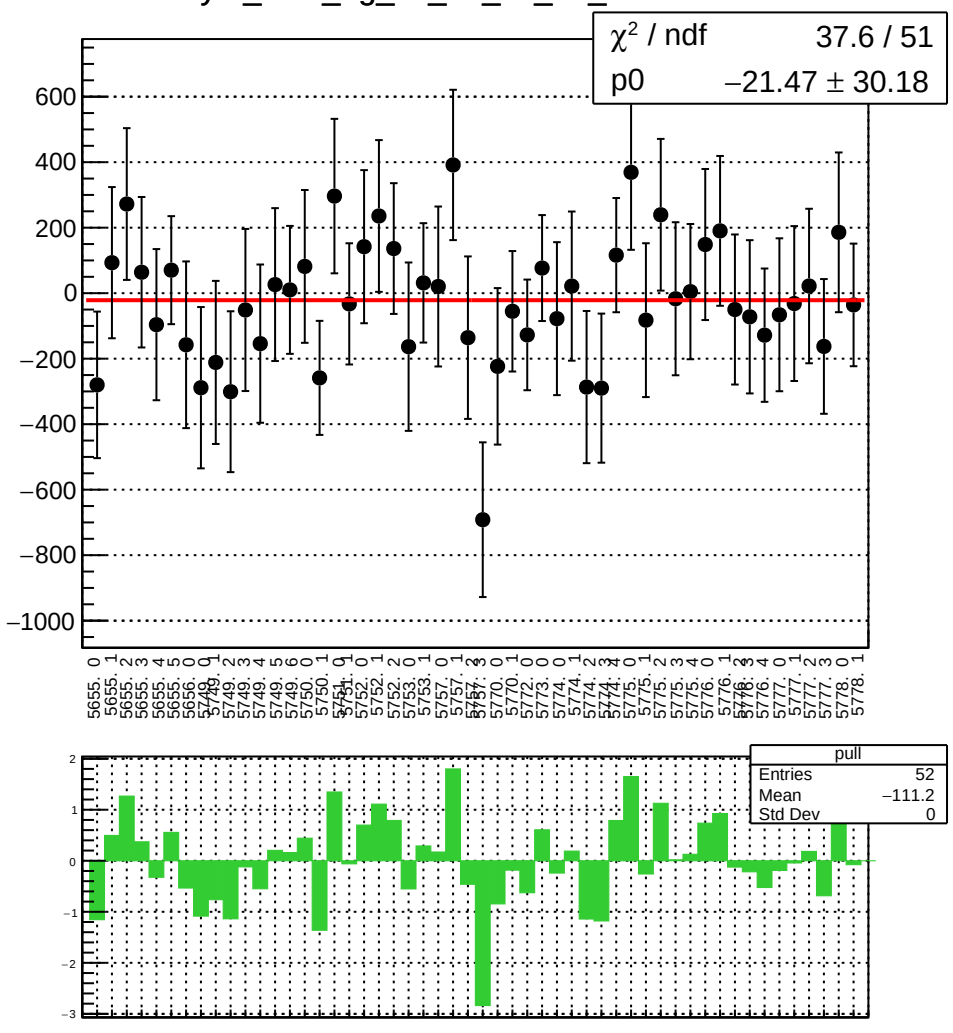
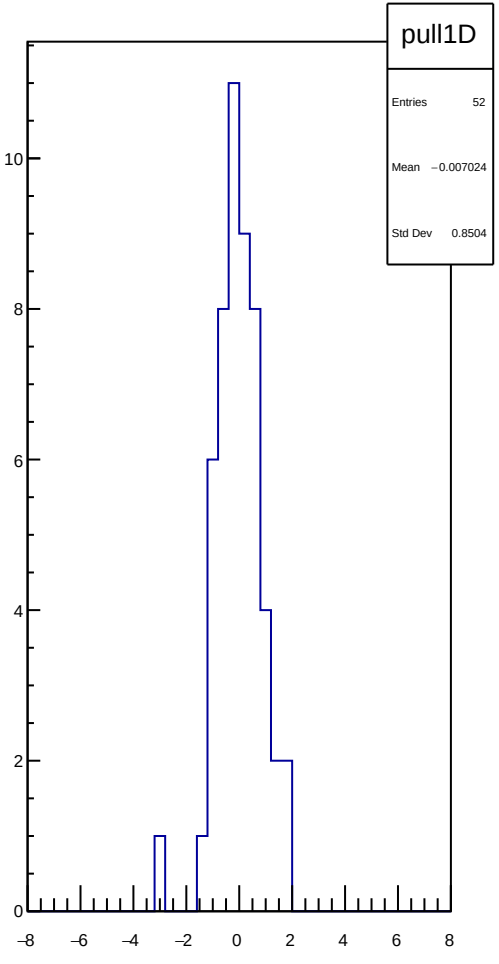
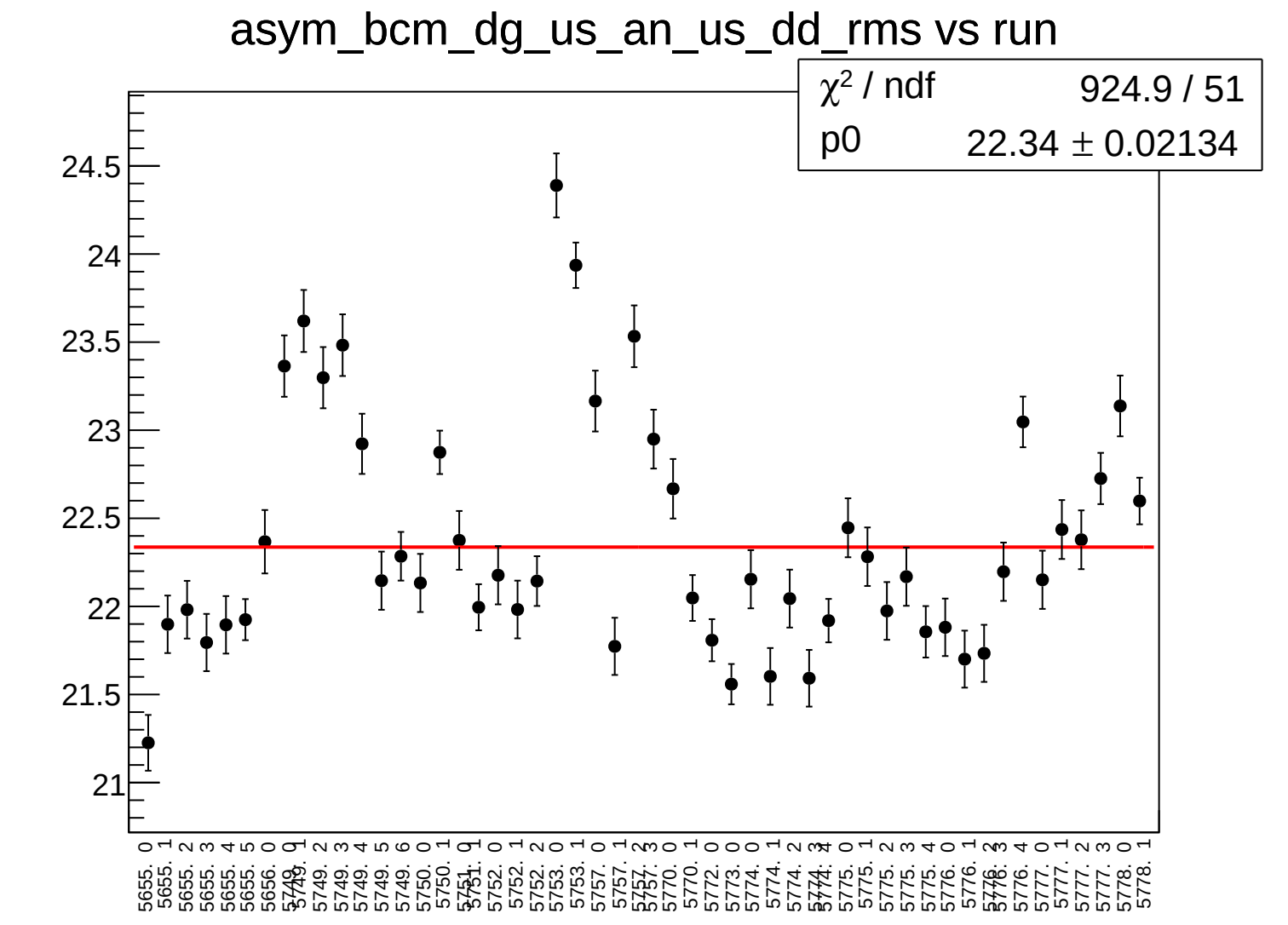
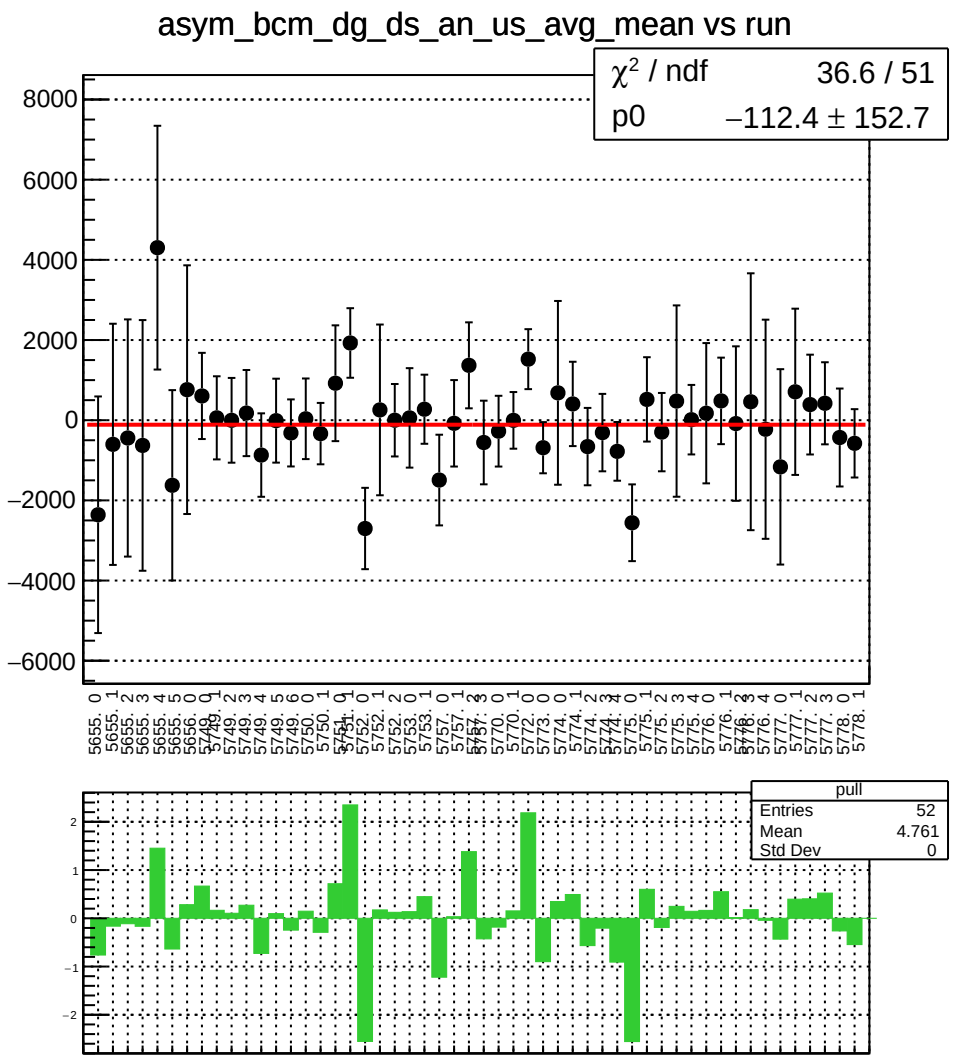
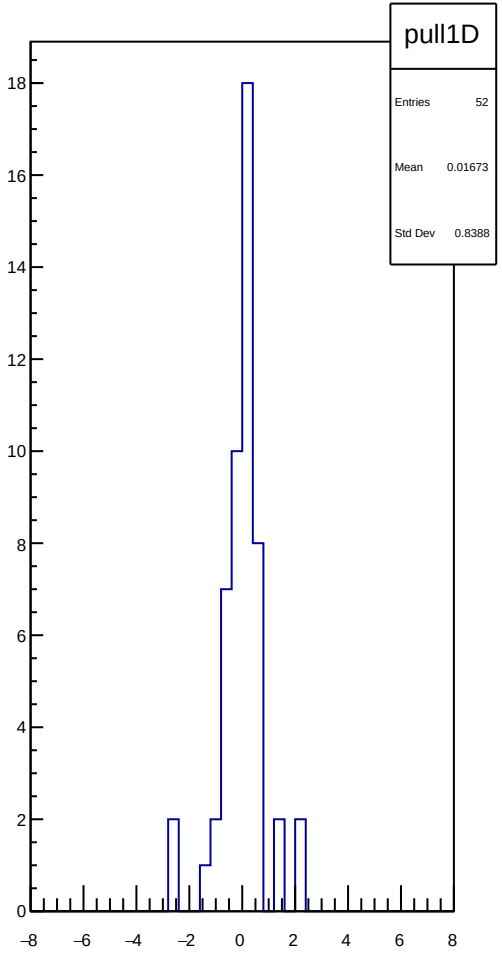
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

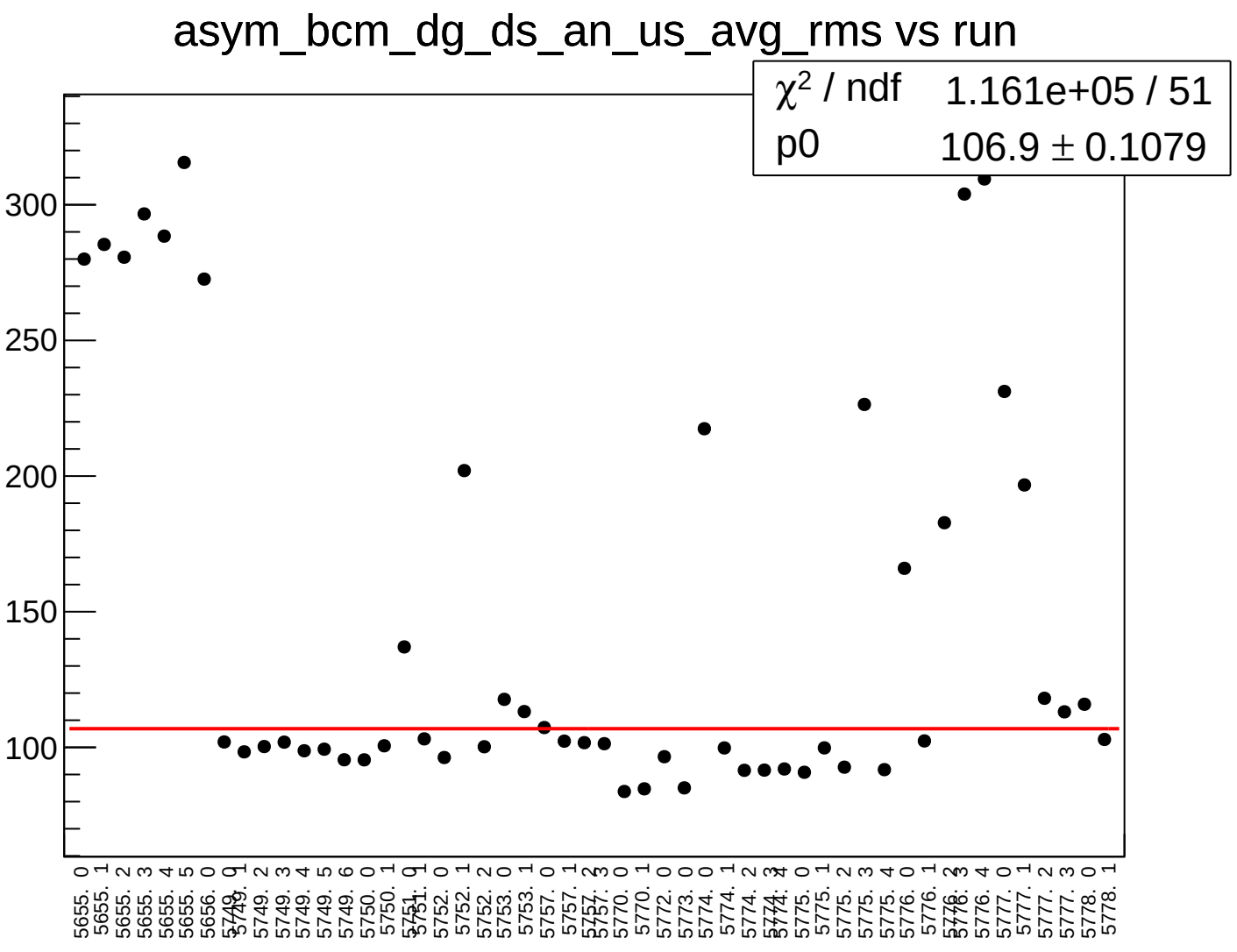

asym_bcm_dg_us_an_us_dd_mean vs run
χ² / ndf 37.6 / 51
p0 −21.47 ± 30.18
pull
Entries 52
Mean −111.2
Std Dev 0

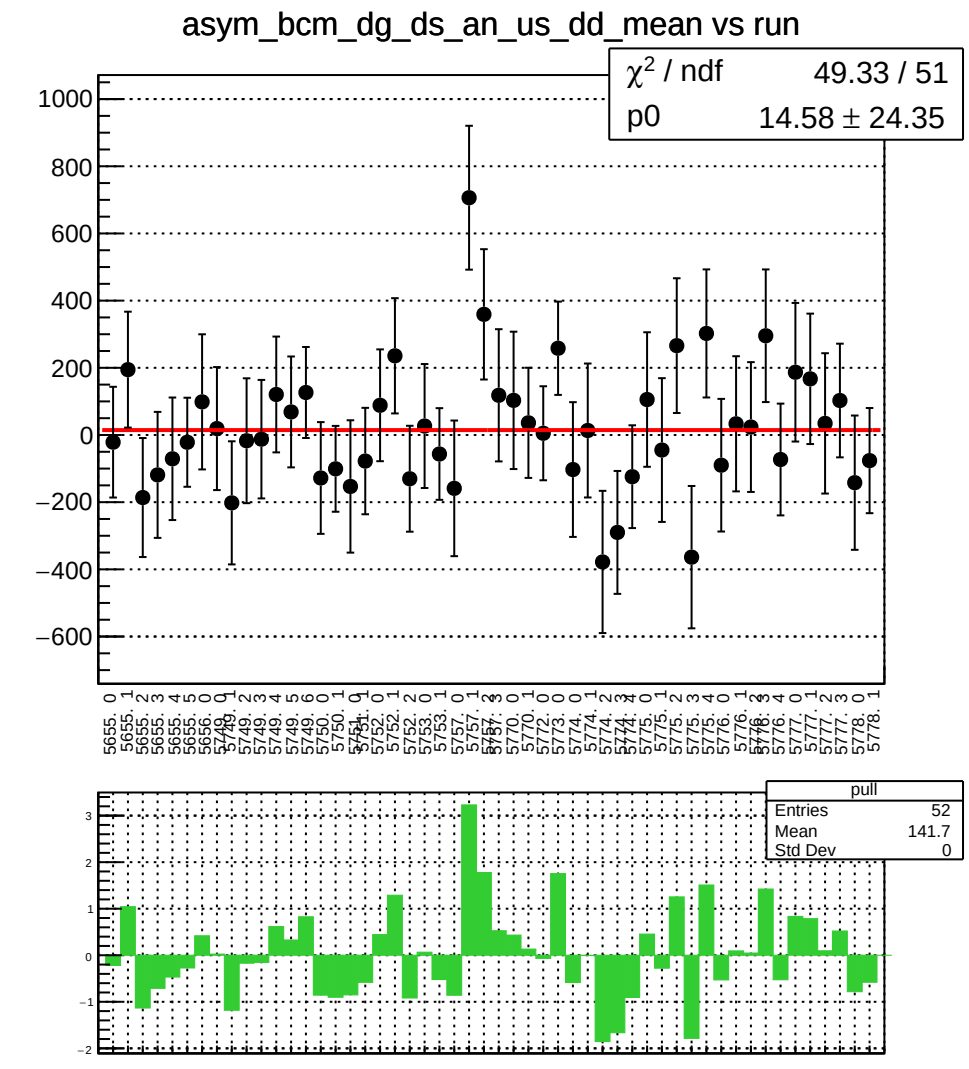

pull1D
Entries 52
Mean −0.007024
Std Dev 0.8504

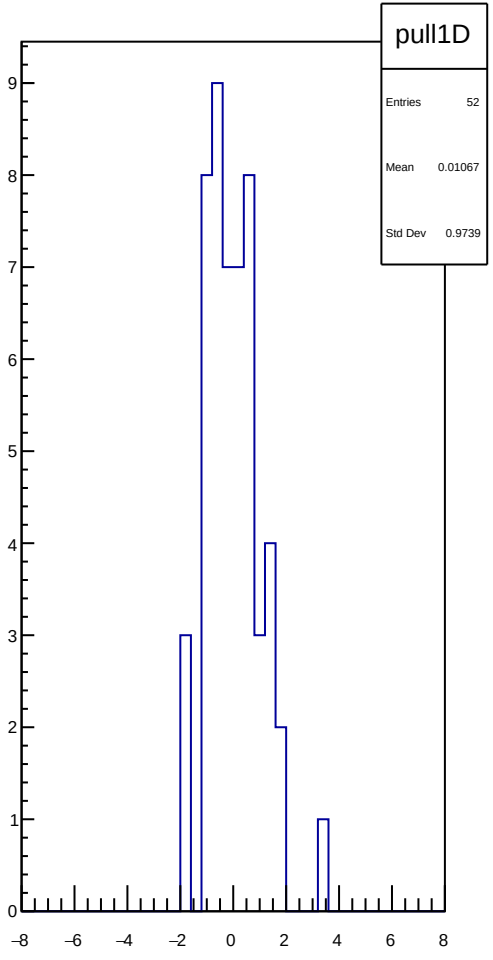

asym_bcm_dg_us_an_us_dd_rms vs run
χ² / ndf 924.9 / 51
p0 22.34 ± 0.02134
24.5
24
23.5
23
22.5
22
21.5
21
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

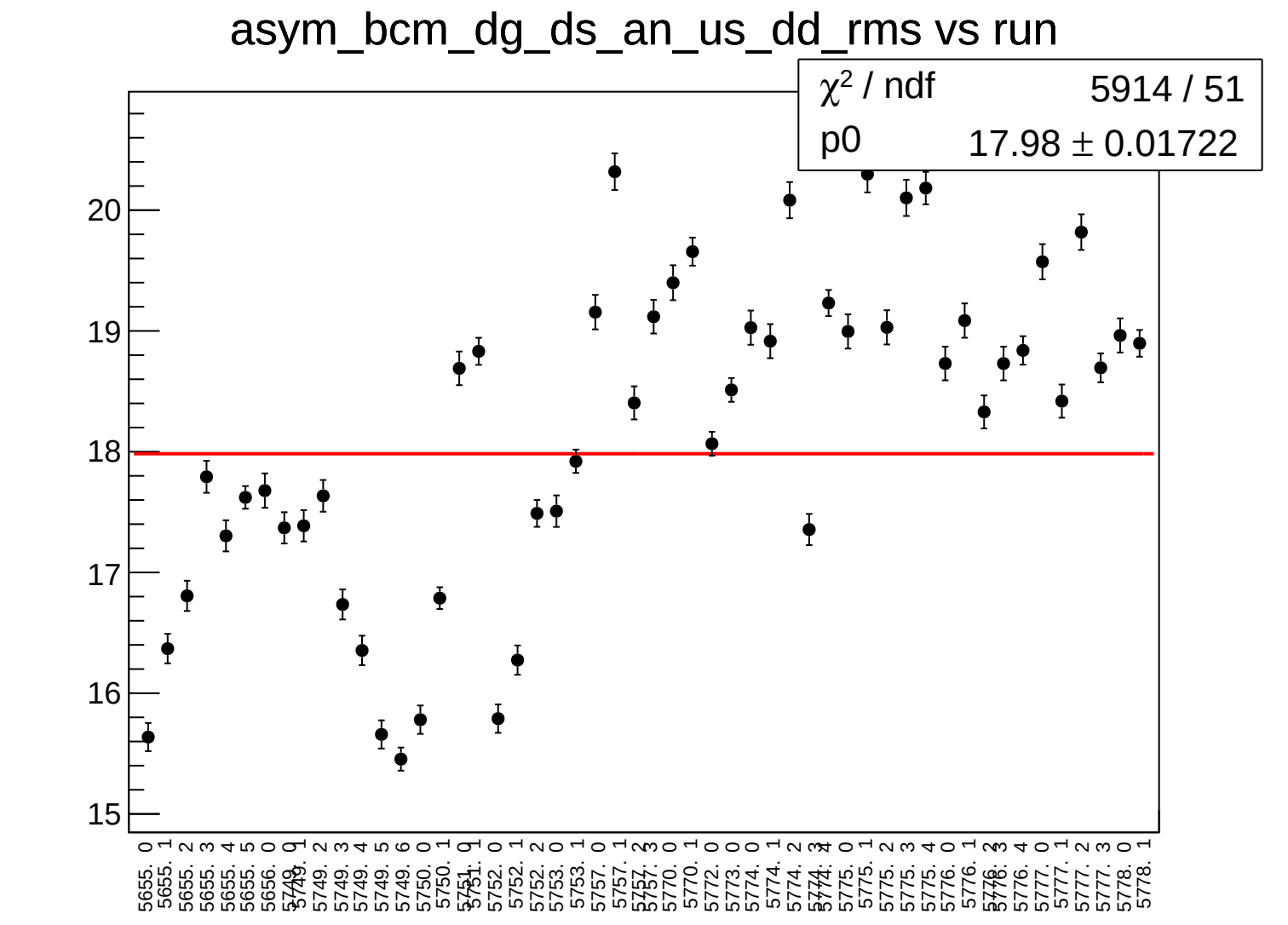

asym_bcm_dg_ds_an_us_avg_mean vs run
χ² / ndf 36.6 / 51
p0 −112.4 ± 152.7
pull
Entries 52
Mean 4.761
Std Dev 0


pull1D
Entries 52
Mean 0.01673
Std Dev 0.8388


asym_bcm_dg_ds_an_us_avg_rms vs run
χ² / ndf 1.161e+05 / 51
p0 106.9 ± 0.1079
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_bcm_dg_ds_an_us_dd_mean vs run
χ² / ndf 49.33 / 51
p0 14.58 ± 24.35
pull
Entries 52
Mean 141.7
Std Dev 0


pull1D
Entries 52
Mean 0.01067
Std Dev 0.9739


asym_bcm_dg_ds_an_us_dd_rms vs run
χ² / ndf 5914 / 51
p0 17.98 ± 0.01722
20
19
18
17
16
15
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
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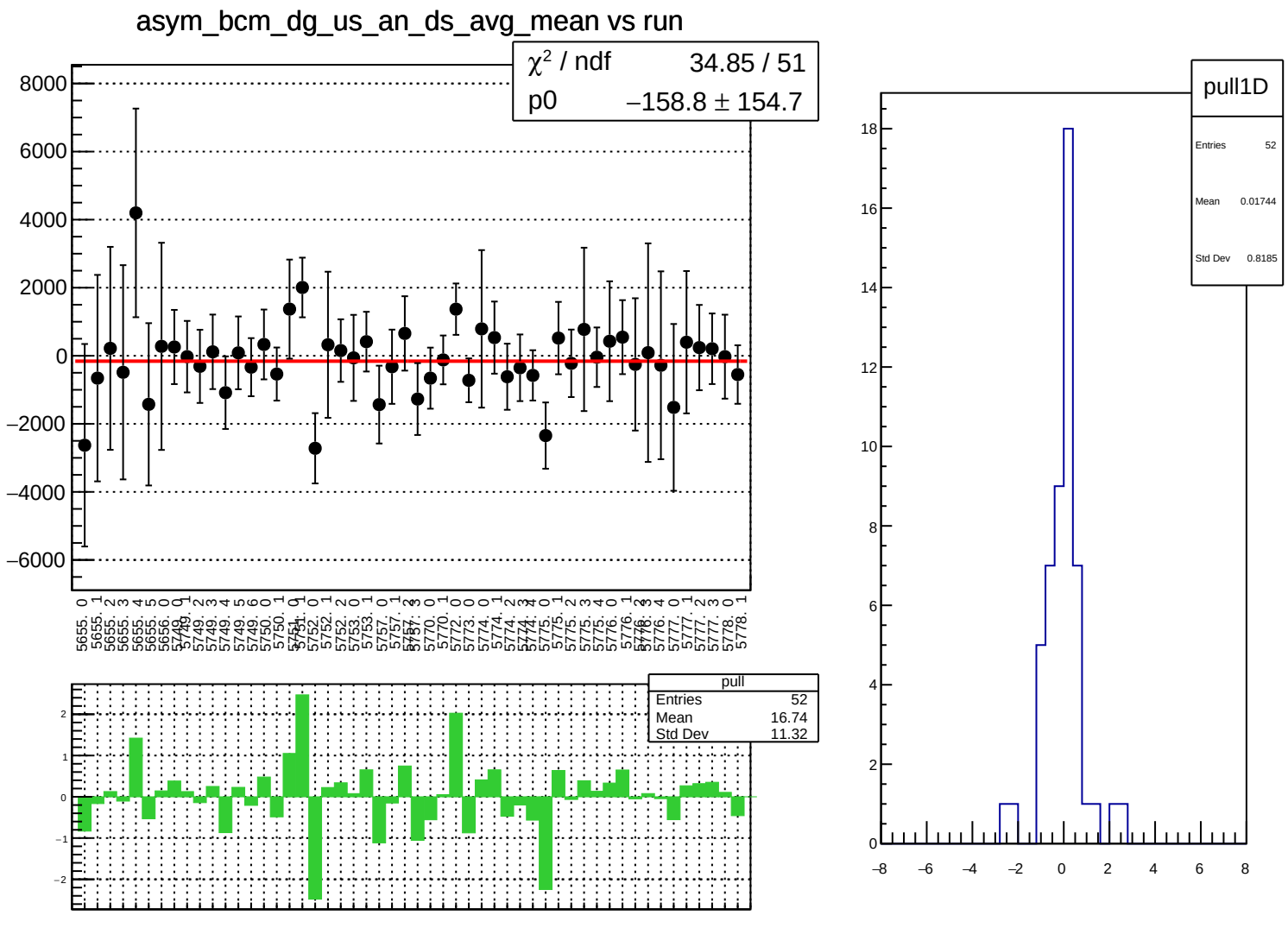
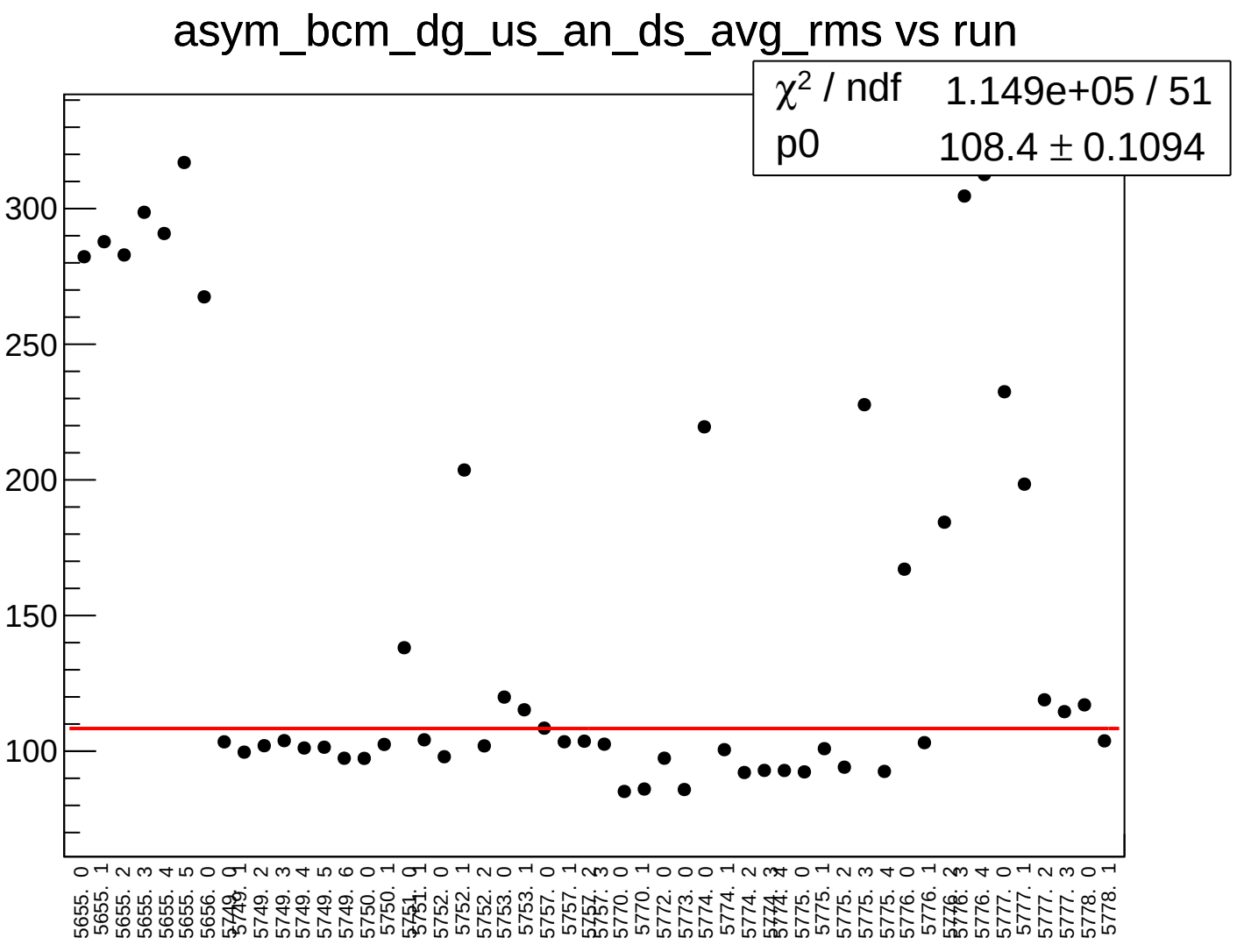
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_bcm_dg_us_an_ds_avg_mean vs run
χ² / ndf 34.85 / 51
p0 −158.8 ± 154.7
pull
Entries 52
Mean 16.74
Std Dev 11.32
pull1D
Entries 52
Mean 0.01744
Std Dev 0.8185


asym_bcm_dg_us_an_ds_avg_rms vs run
χ² / ndf 1.149e+05 / 51
p0 108.4 ± 0.1094
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 2
5776. 3
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5777. 0
5777. 1
5777. 2
5777. 3
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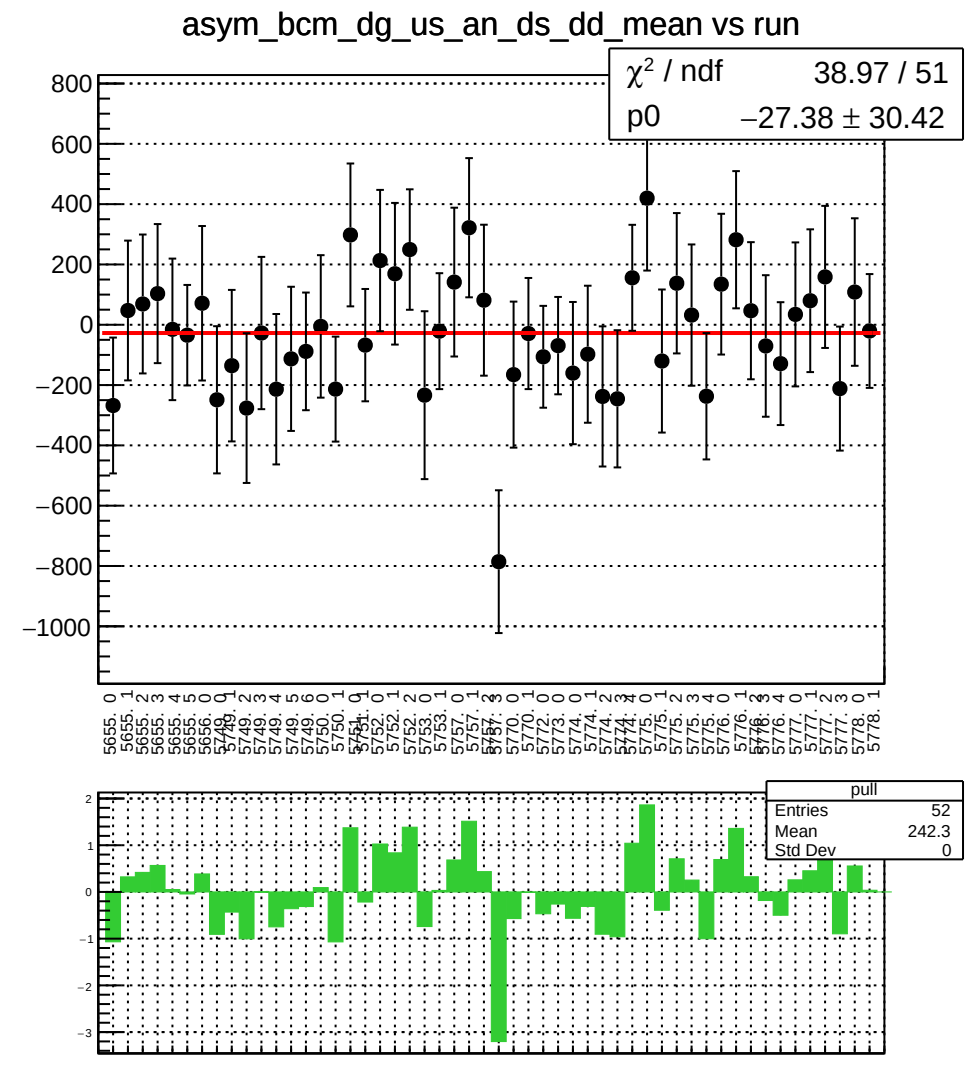
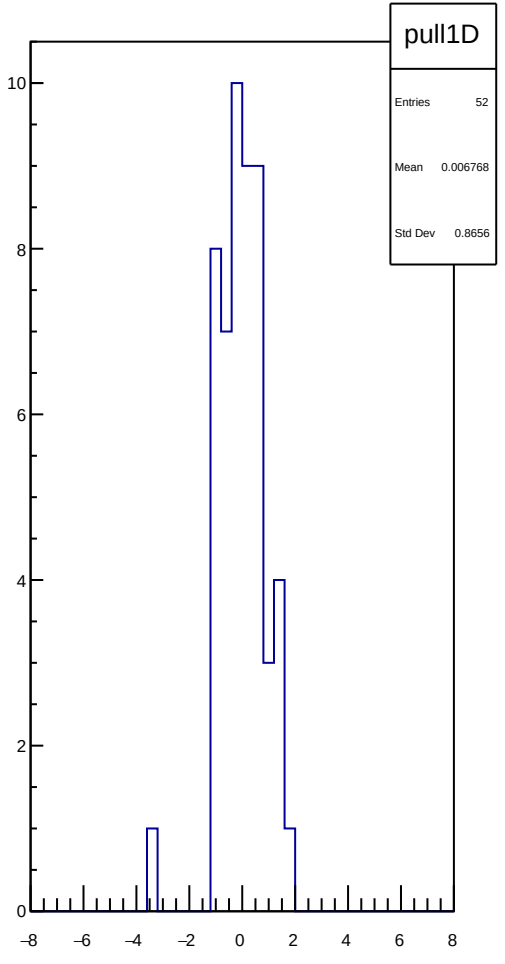
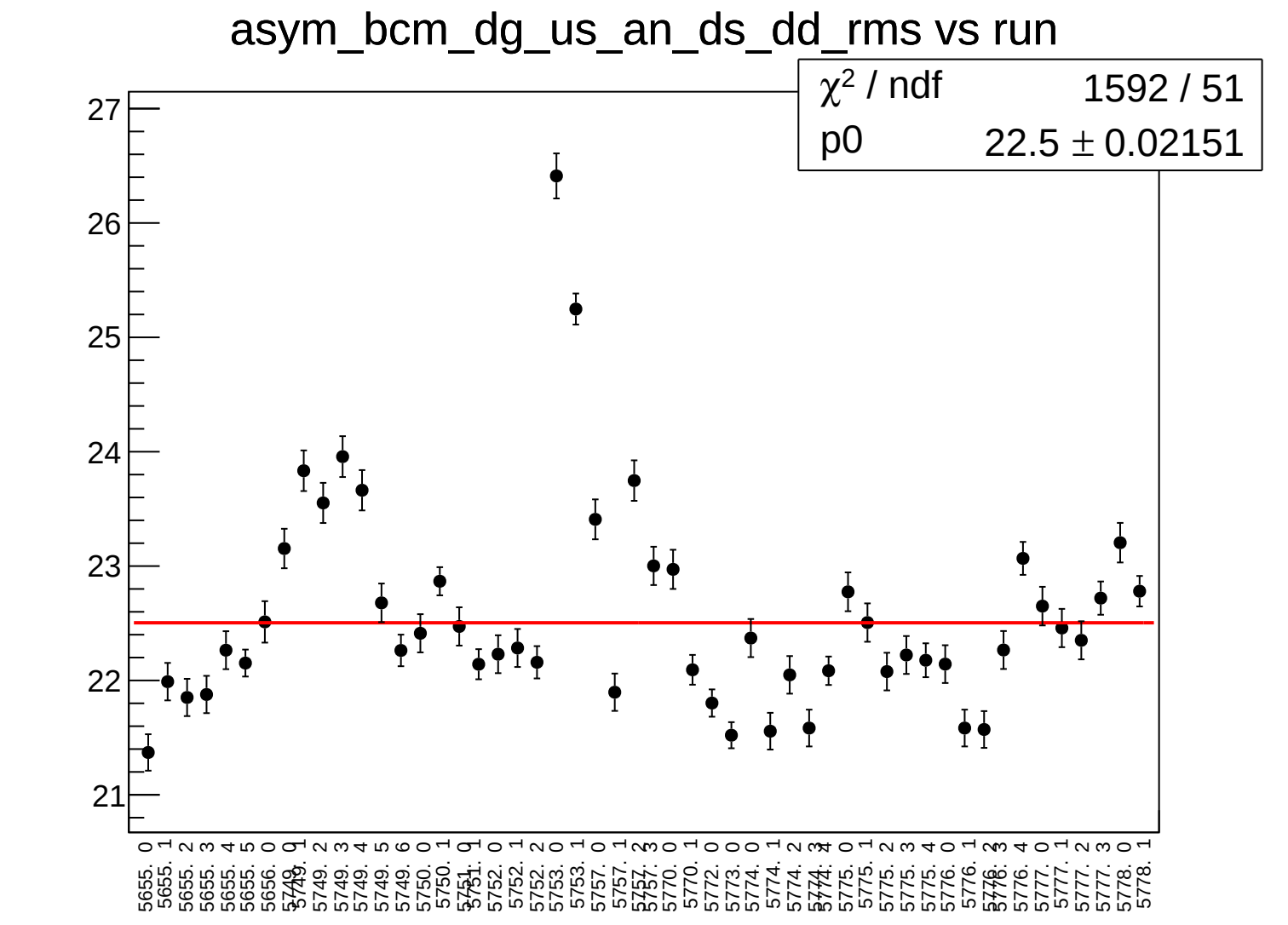
5778. 1


asym_bcm_dg_us_an_ds_dd_mean vs run
χ² / ndf 38.97 / 51
p0 −27.38 ± 30.42
pull
Entries 52
Mean 242.3
Std Dev 0


pull1D
Entries 52
Mean 0.006768
Std Dev 0.8656


asym_bcm_dg_us_an_ds_dd_rms vs run
χ² / ndf 1592 / 51
p0 22.5 ± 0.02151
27
26
25
24
23
22
21
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
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5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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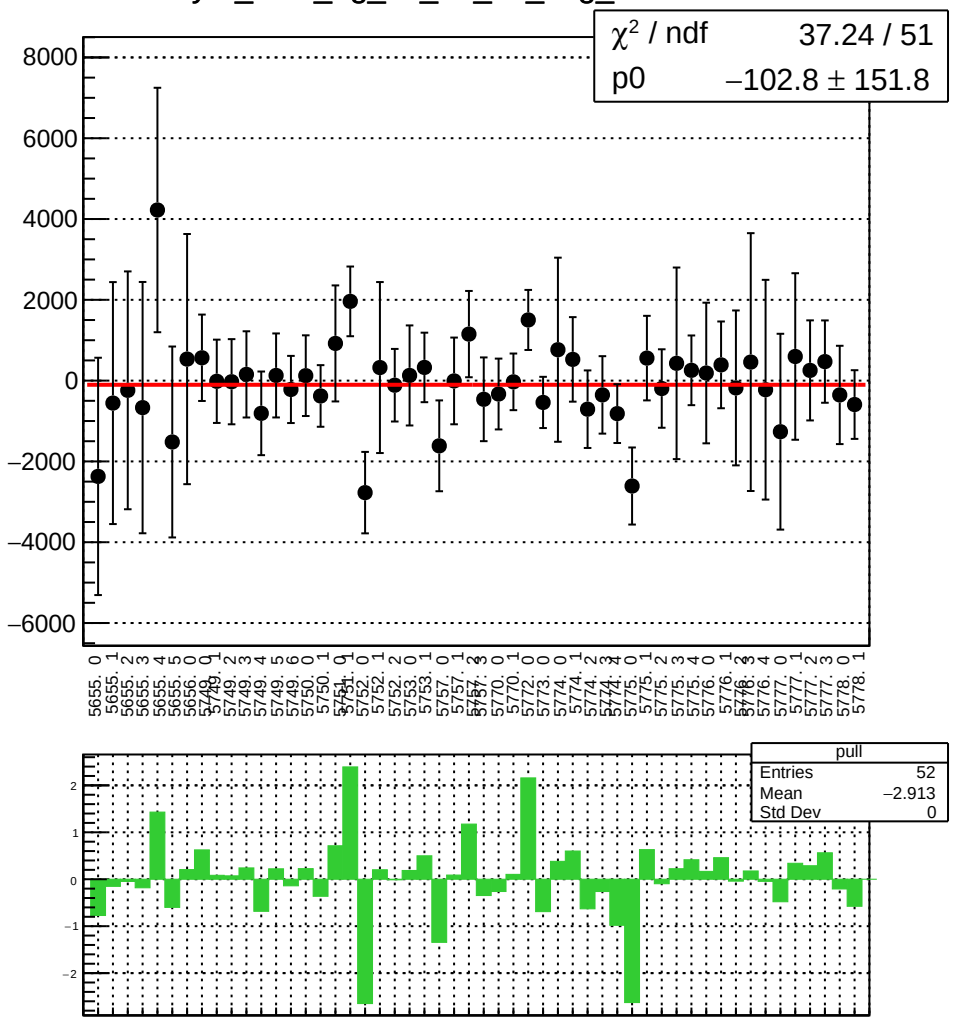
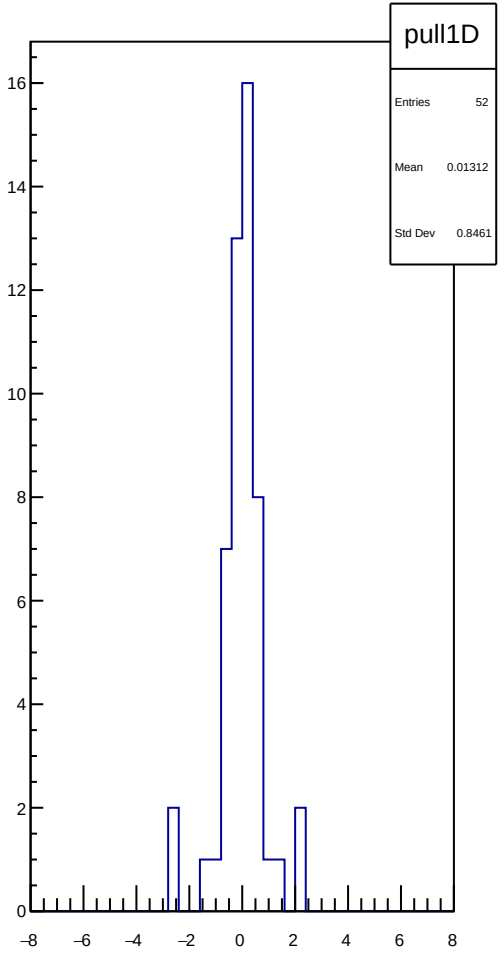
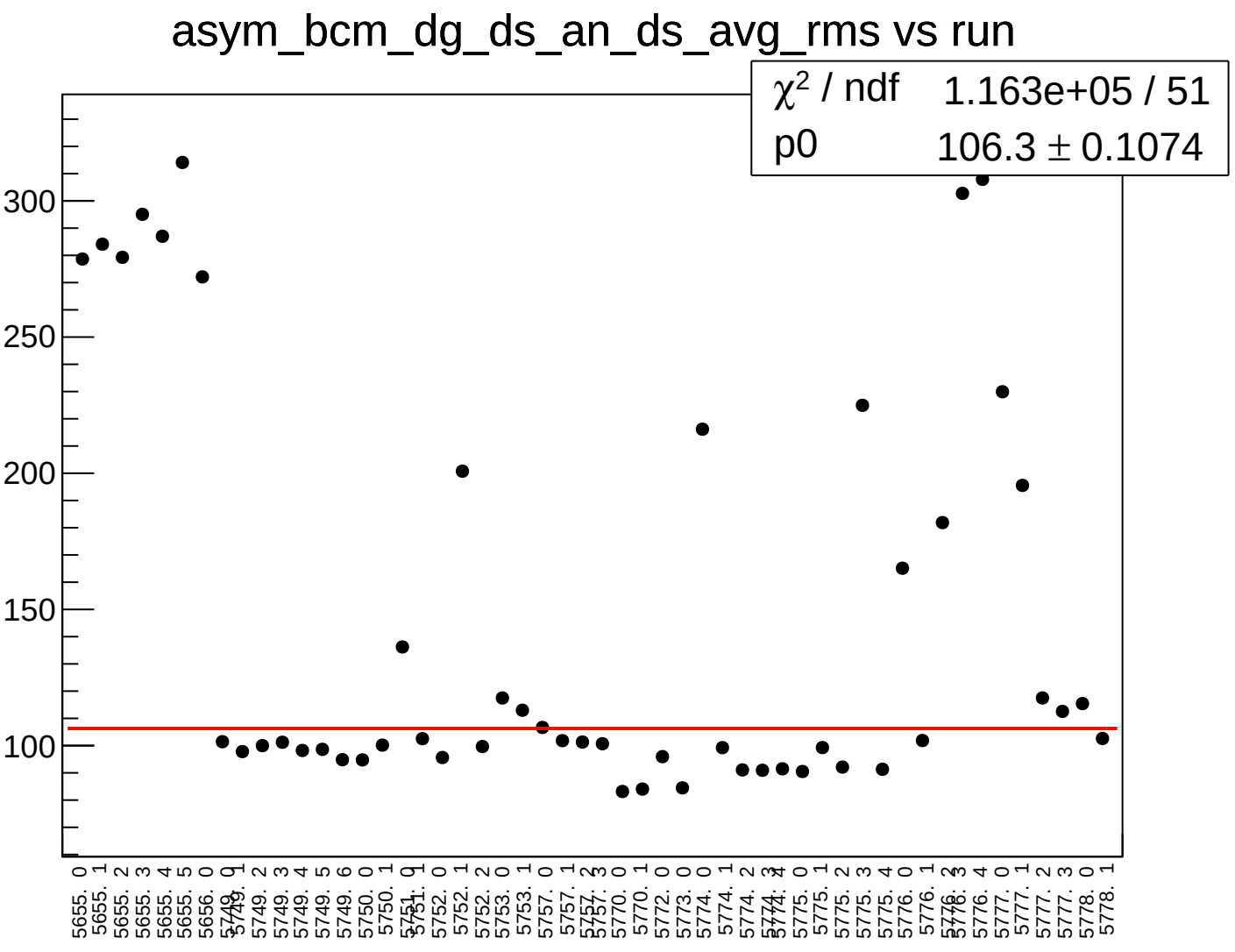
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_bcm_dg_ds_an_ds_avg_mean vs run
χ² / ndf 37.24 / 51
p0 −102.8 ± 151.8
pull
Entries 52
Mean −2.913
Std Dev 0


pull1D
Entries 52
Mean 0.01312
Std Dev 0.8461


asym_bcm_dg_ds_an_ds_avg_rms vs run
χ² / ndf 1.163e+05 / 51
p0 106.3 ± 0.1074
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
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5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5774. 2
5774. 3
5774. 4
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5775. 2
5775. 3
5775. 4
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5776. 3
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5777. 2
5777. 3
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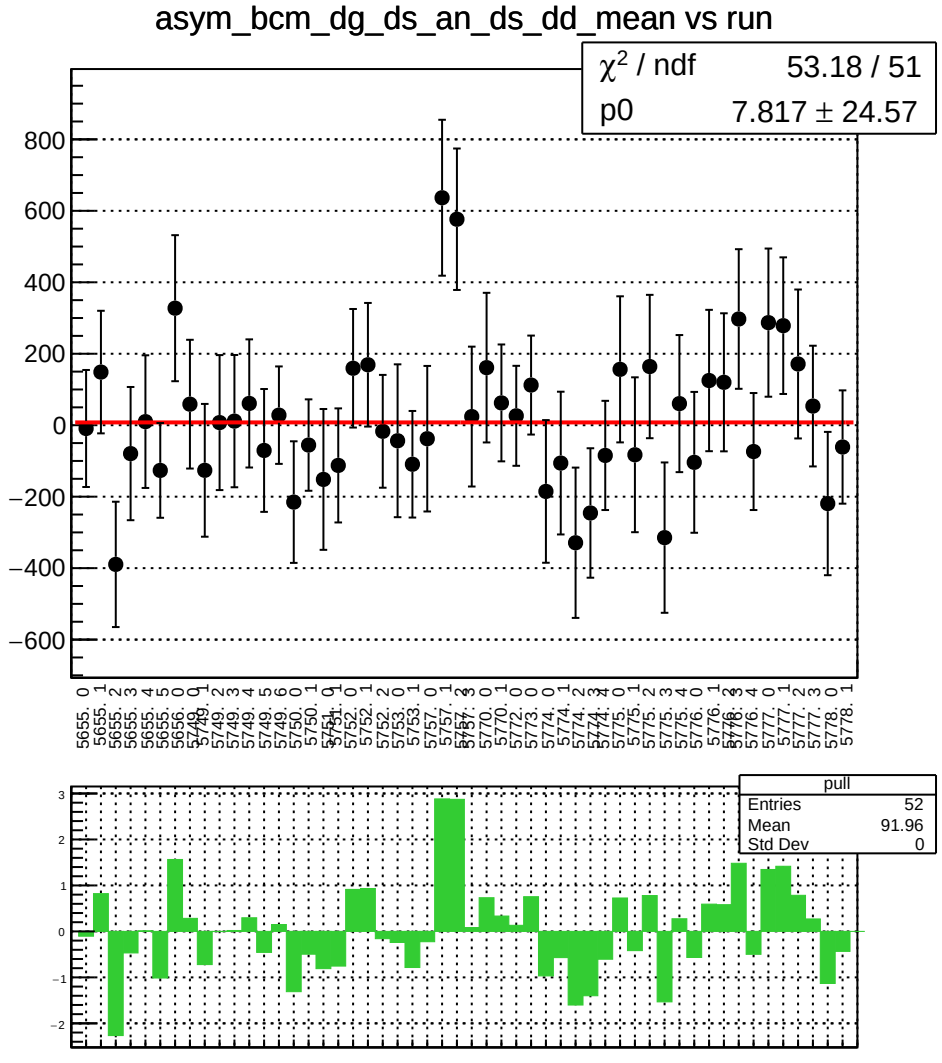
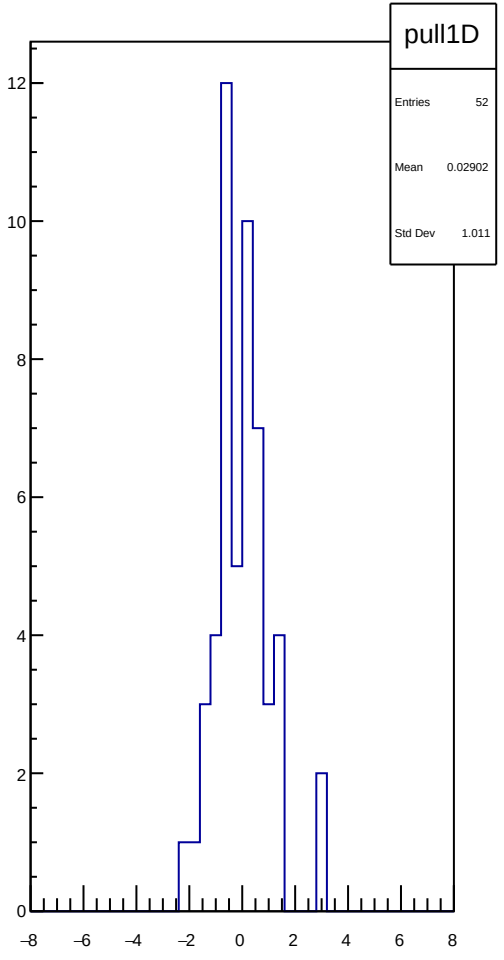
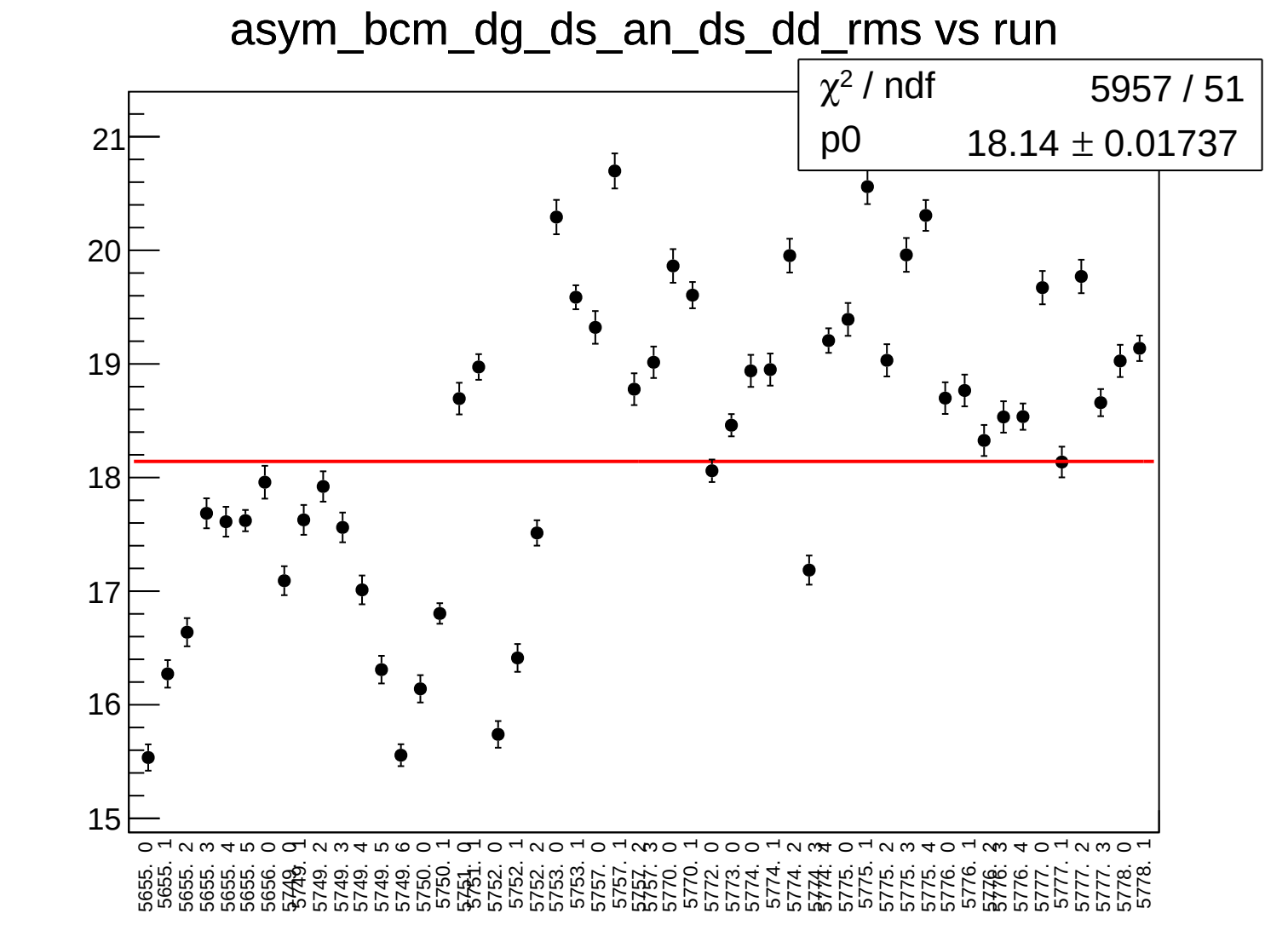

asym_bcm_dg_ds_an_ds_dd_mean vs run
χ² / ndf 53.18 / 51
p0 7.817 ± 24.57
pull
Entries 52
Mean 91.96
Std Dev 0


pull1D
Entries 52
Mean 0.02902
Std Dev 1.011


asym_bcm_dg_ds_an_ds_dd_rms vs run
χ² / ndf 5957 / 51
p0 18.14 ± 0.01737
21
20
19
18
17
16
15
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
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5775. 1
5775. 2
5775. 3
5775. 4
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5776. 4
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5777. 2
5777. 3
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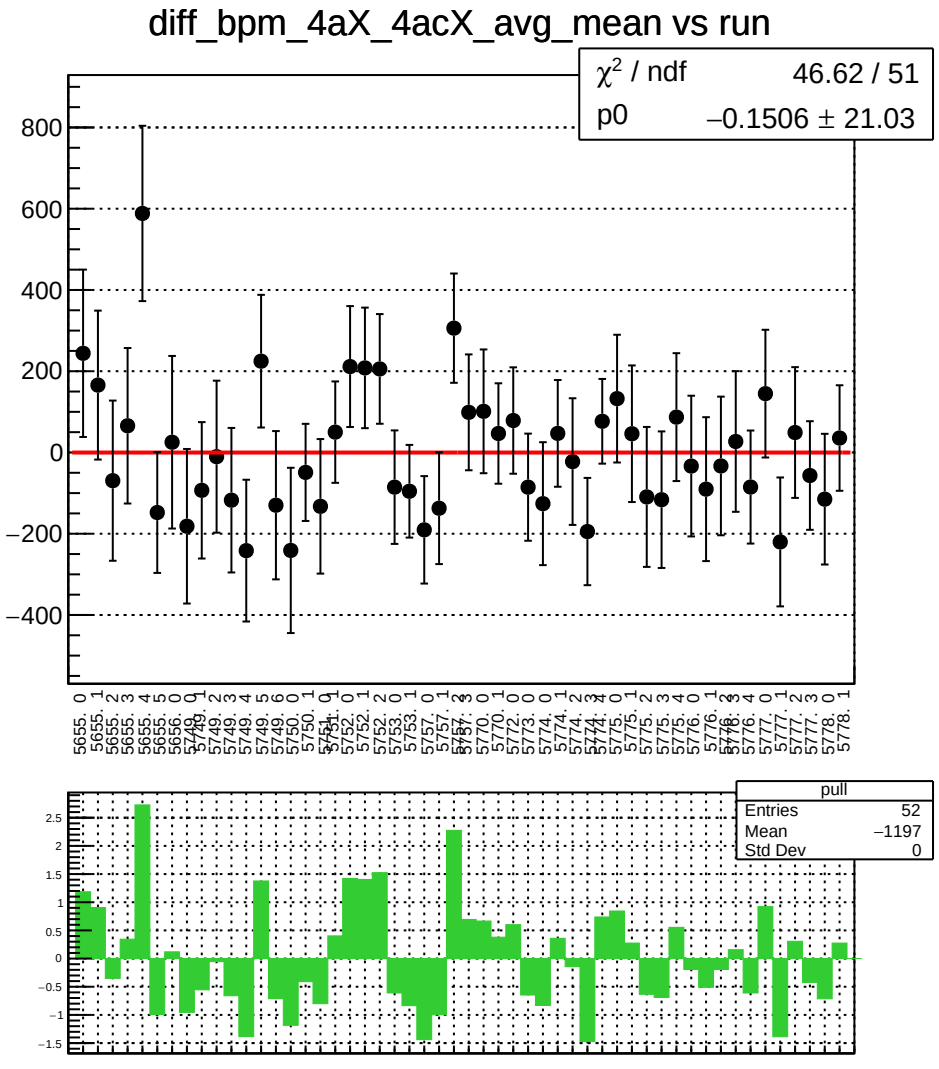
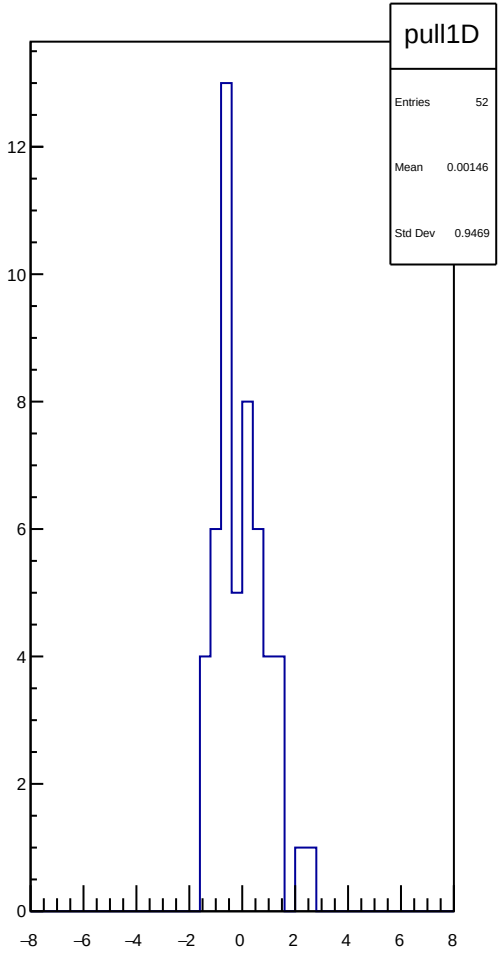
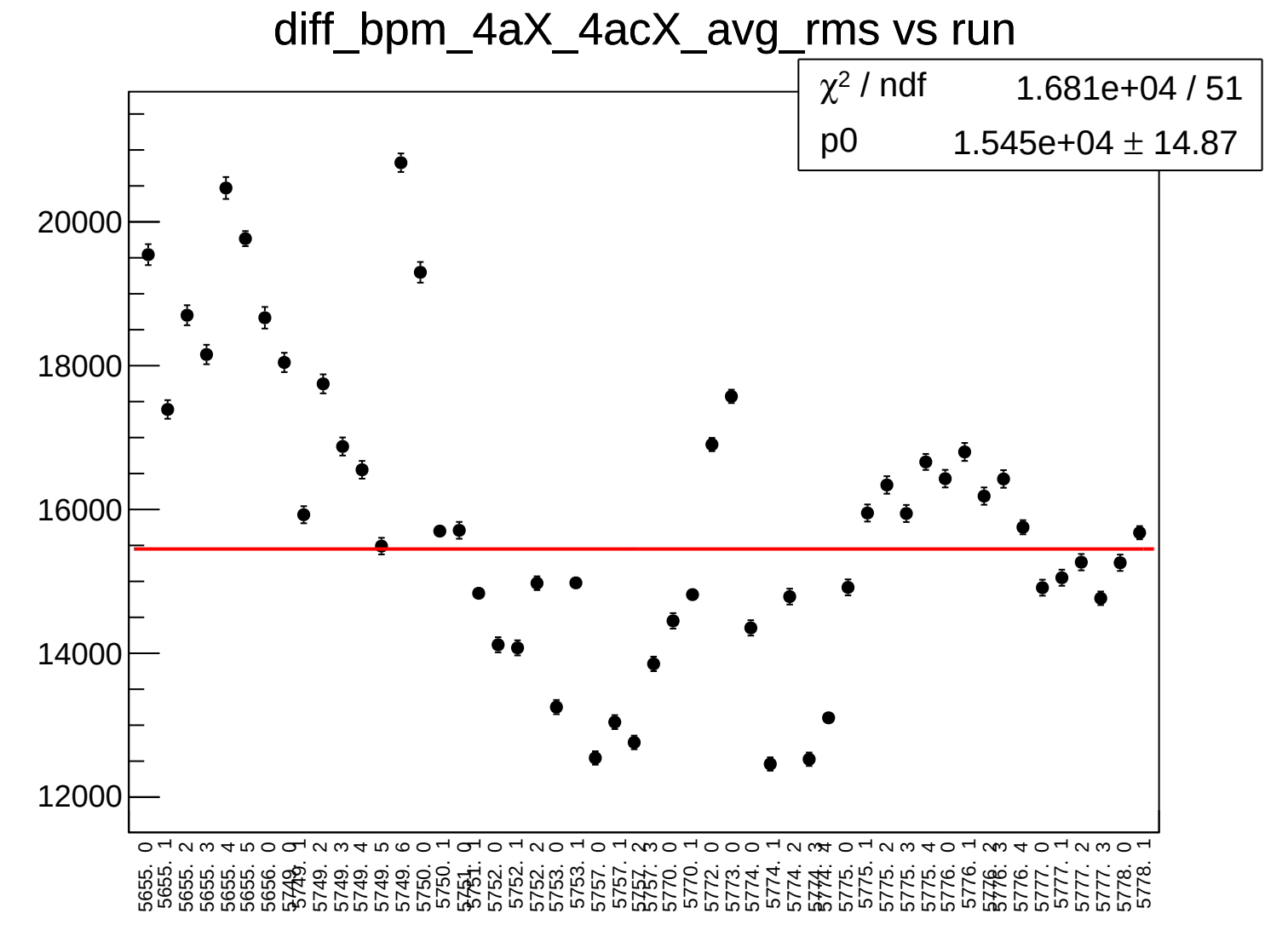
5778. 1


diff_bpm_4aX_4acX_avg_mean vs run
χ² / ndf 46.62 / 51
p0 −0.1506 ± 21.03
pull
Entries 52
Mean −1197
Std Dev 0


pull1D
Entries 52
Mean 0.00146
Std Dev 0.9469


diff_bpm_4aX_4acX_avg_rms vs run
χ² / ndf 1.681e+04 / 51
p0 1.545e+04 ± 14.87
20000
18000
16000
14000
12000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
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5774. 3
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5776. 0
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5776. 3
5776. 4
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5777. 2
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5778. 0
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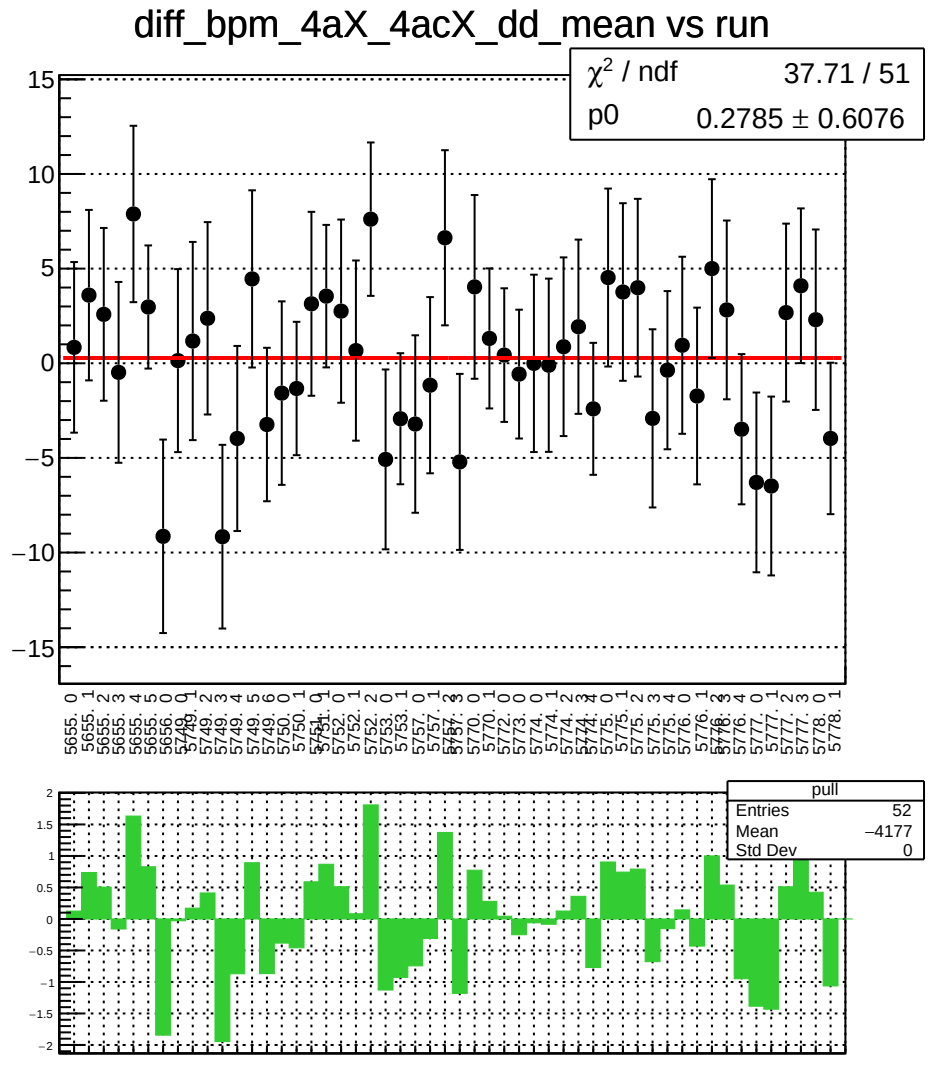
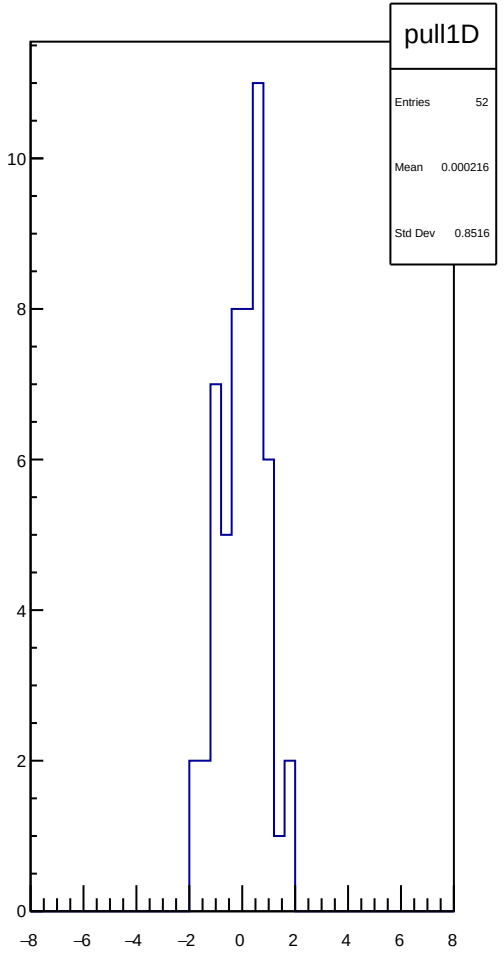
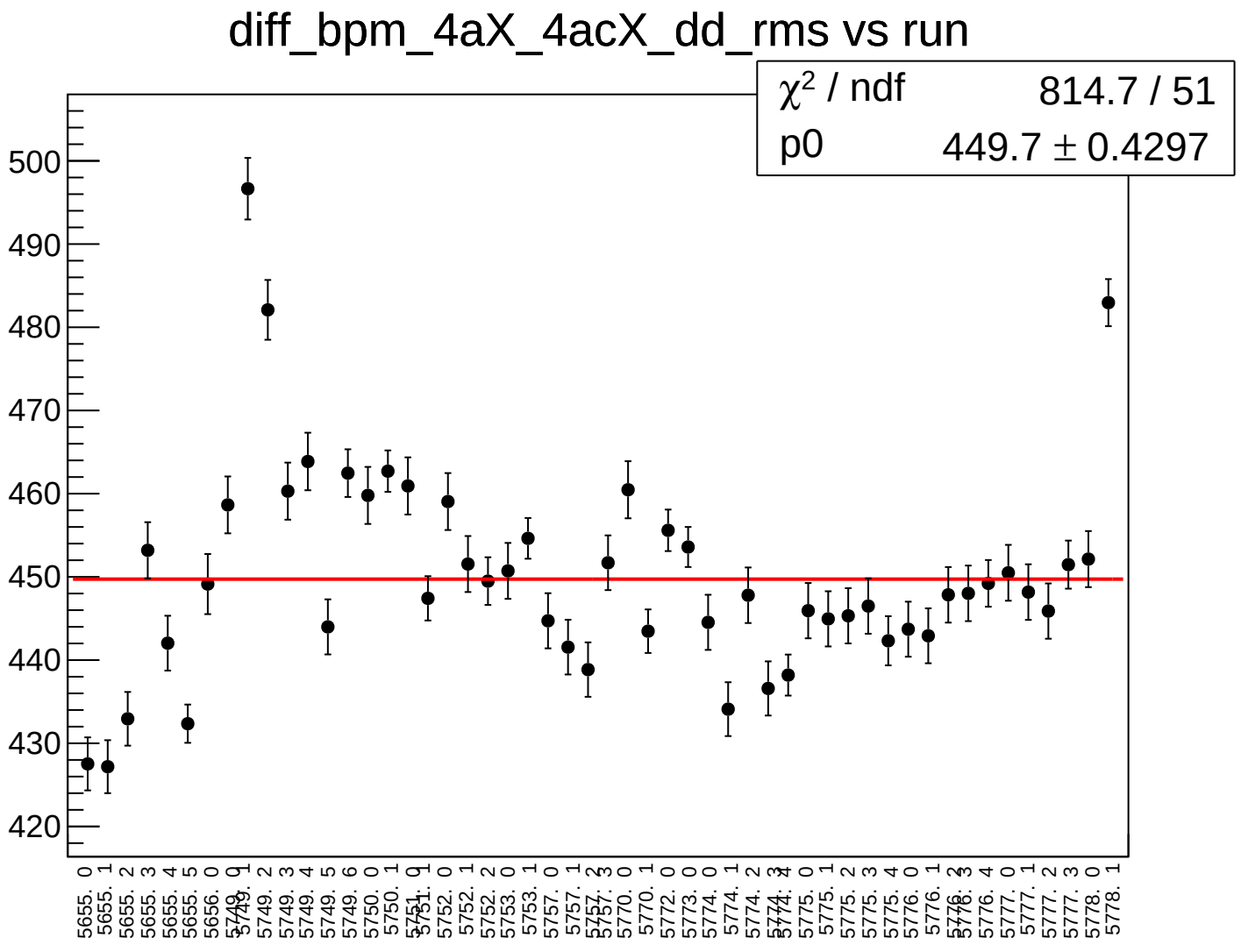

diff_bpm_4aX_4acX_dd_mean vs run
χ² / ndf 37.71 / 51
p0 0.2785 ± 0.6076
pull
Entries 52
Mean −4177
Std Dev 0


pull1D
Entries 52
Mean 0.000216
Std Dev 0.8516


diff_bpm_4aX_4acX_dd_rms vs run
χ² / ndf 814.7 / 51
p0 449.7 ± 0.4297
500
490
480
470
460
450
440
430
420
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
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5776. 4
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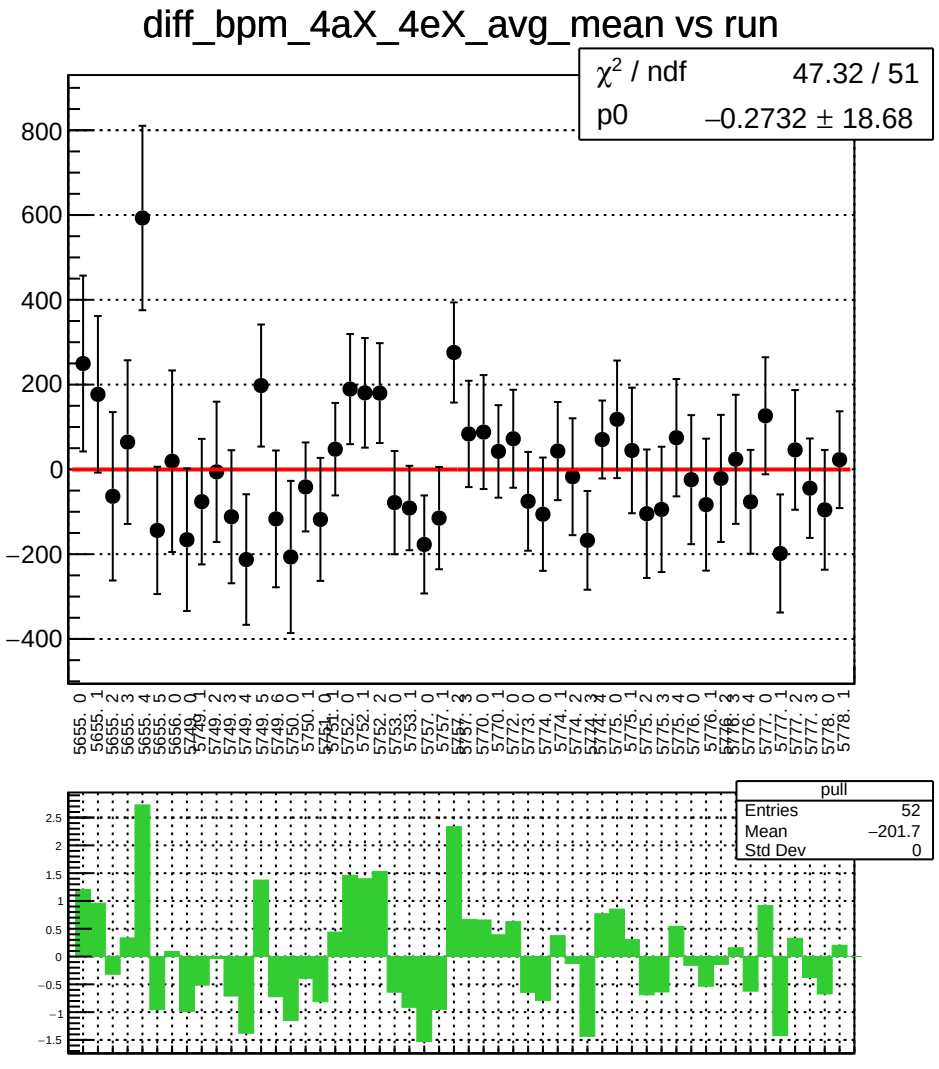
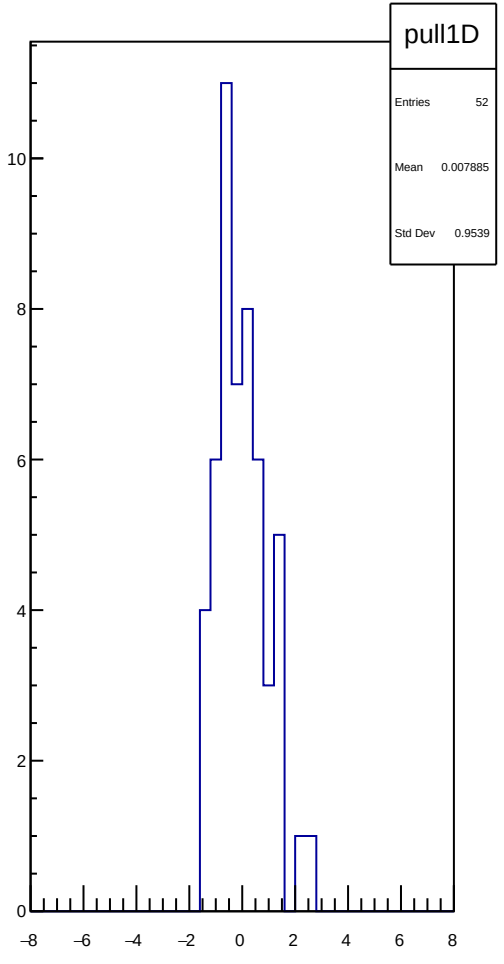
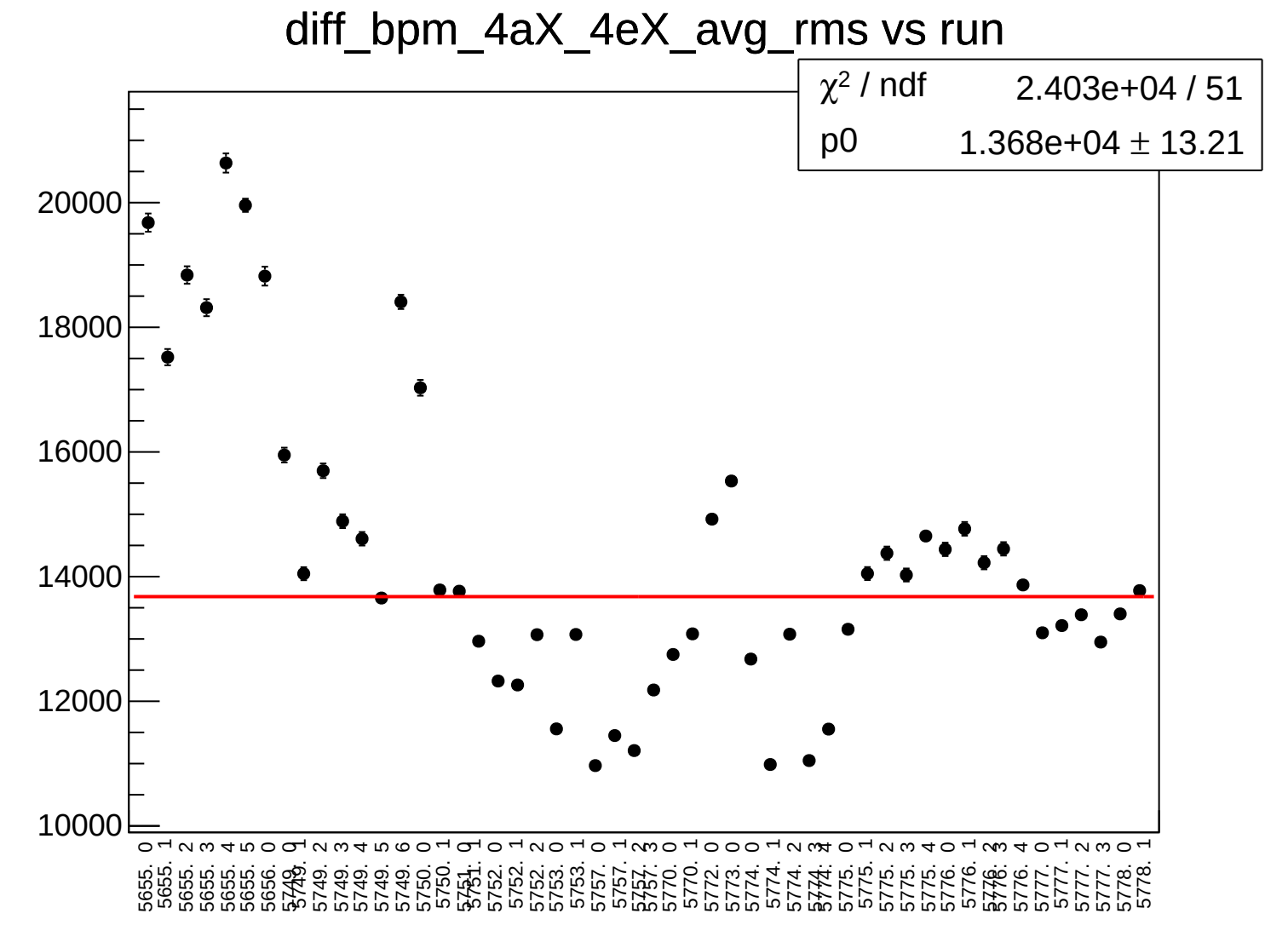
5777. 2
5777. 3
5778. 0
5778. 1


diff_bpm_4aX_4eX_avg_mean vs run
χ² / ndf 47.32 / 51
p0 −0.2732 ± 18.68
pull
Entries 52
Mean −201.7
Std Dev 0


pull1D
Entries 52
Mean 0.007885
Std Dev 0.9539


diff_bpm_4aX_4eX_avg_rms vs run
χ² / ndf 2.403e+04 / 51
p0 1.368e+04 ± 13.21
20000
18000
16000
14000
12000
10000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5752. 2
5753. 0
5753. 1
5757. 0
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5757. 2
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5774. 1
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5774. 4
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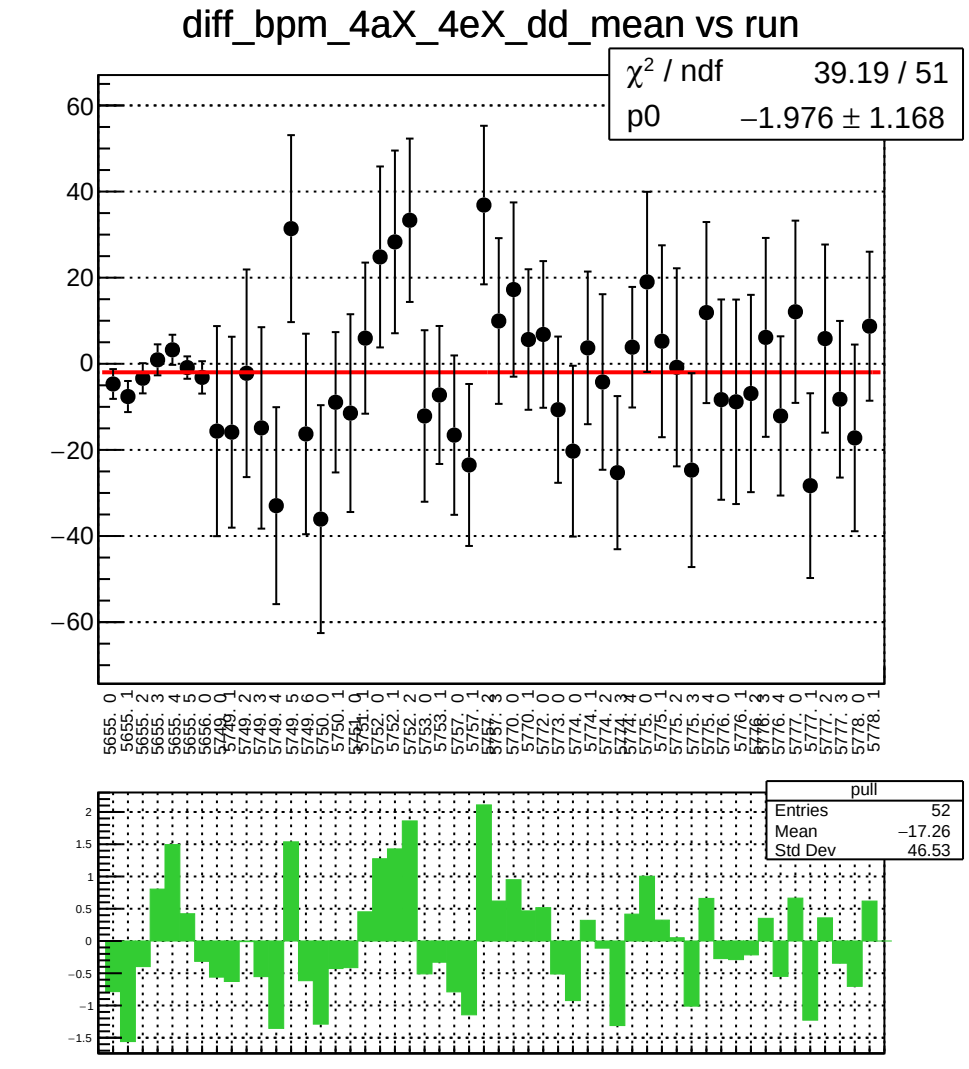
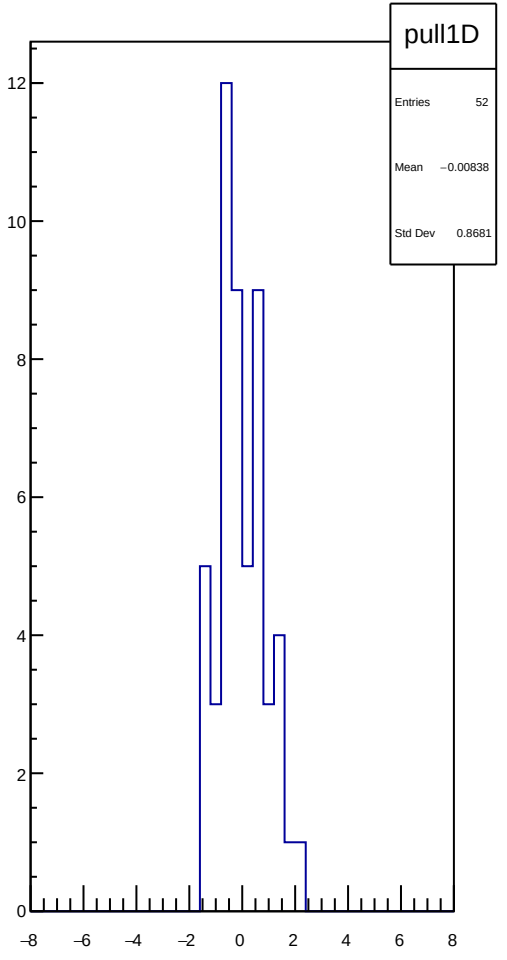
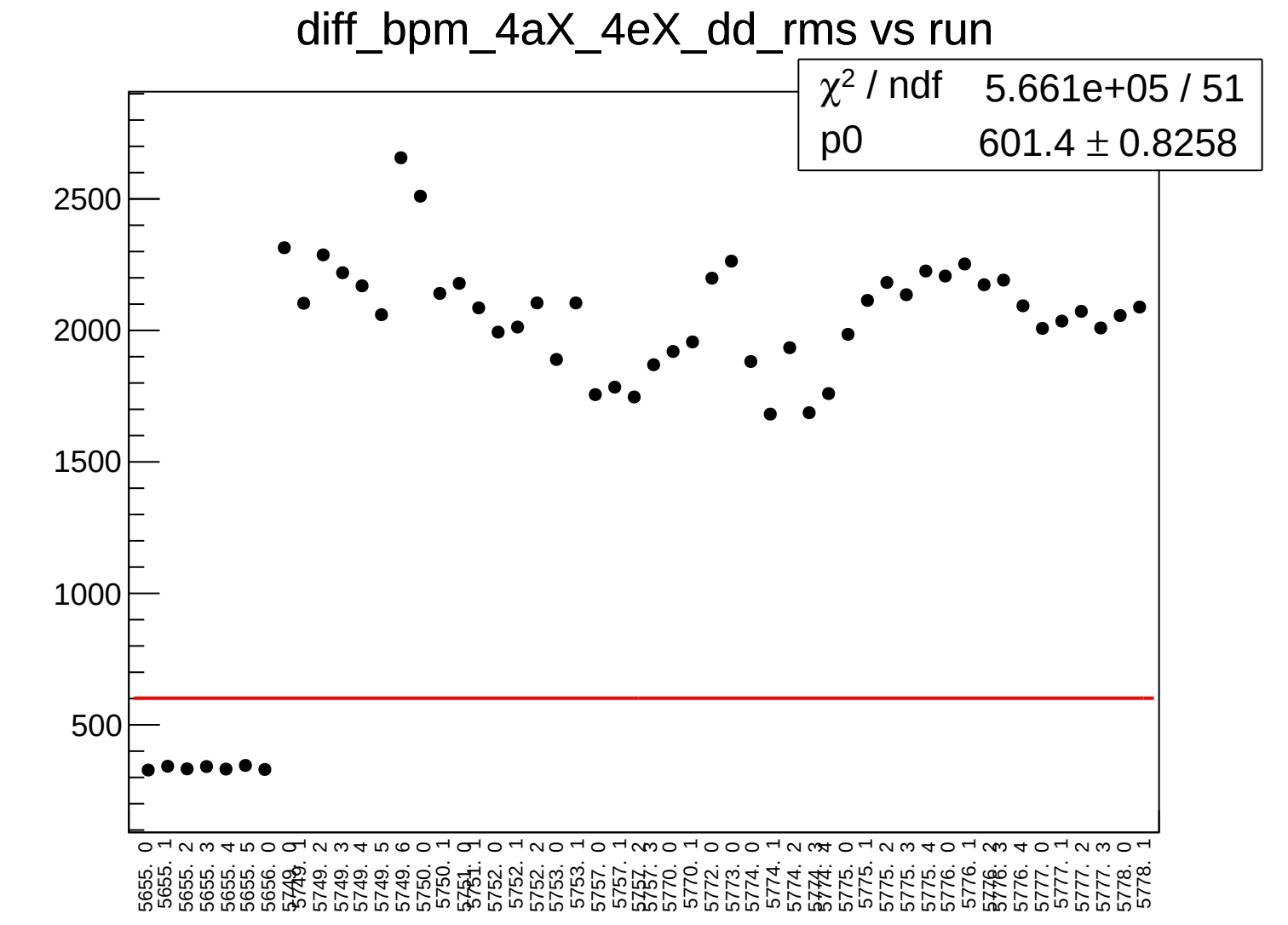

diff_bpm_4aX_4eX_dd_mean vs run
χ² / ndf 39.19 / 51
p0 −1.976 ± 1.168
pull
Entries 52
Mean −17.26
Std Dev 46.53


pull1D
Entries 52
Mean −0.00838
Std Dev 0.8681


diff_bpm_4aX_4eX_dd_rms vs run
χ² / ndf 5.661e+05 / 51
p0 601.4 ± 0.8258
2500
2000
1500
1000
500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5753. 0
5753. 1
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5777. 2
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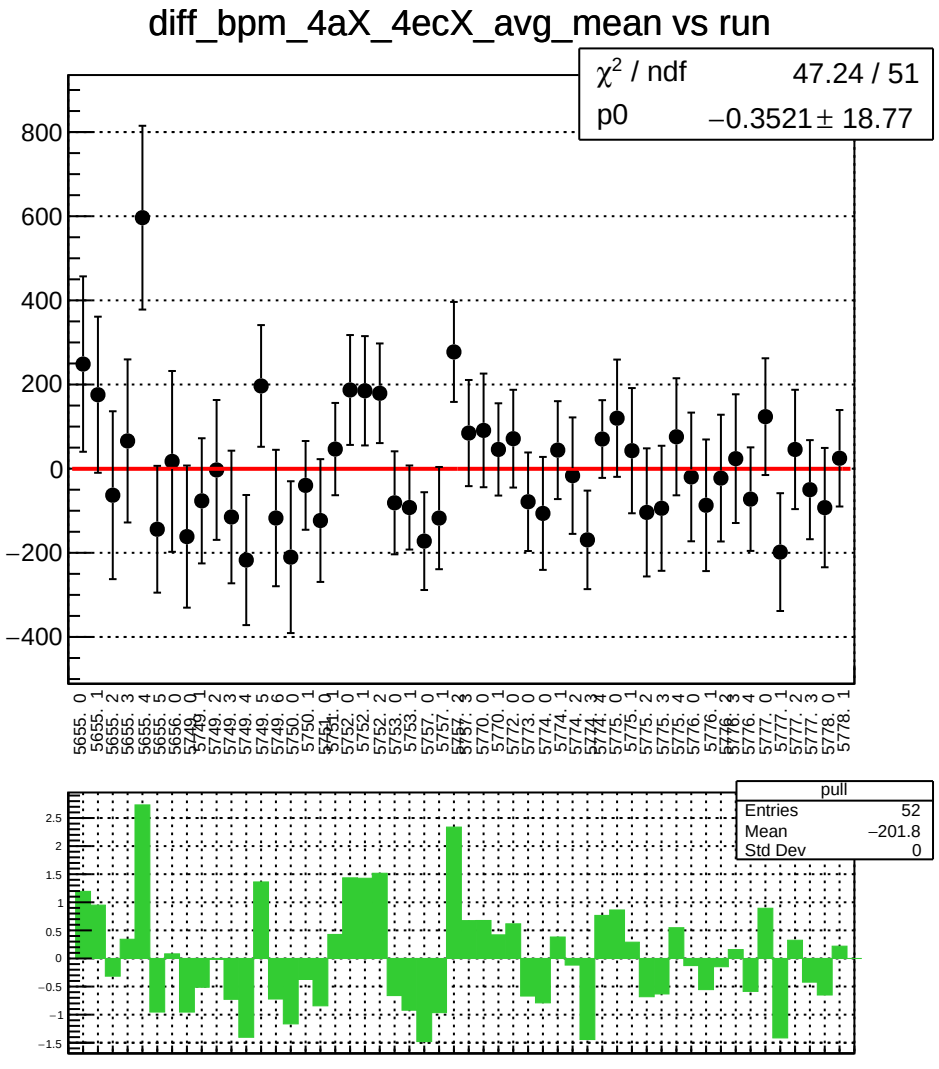
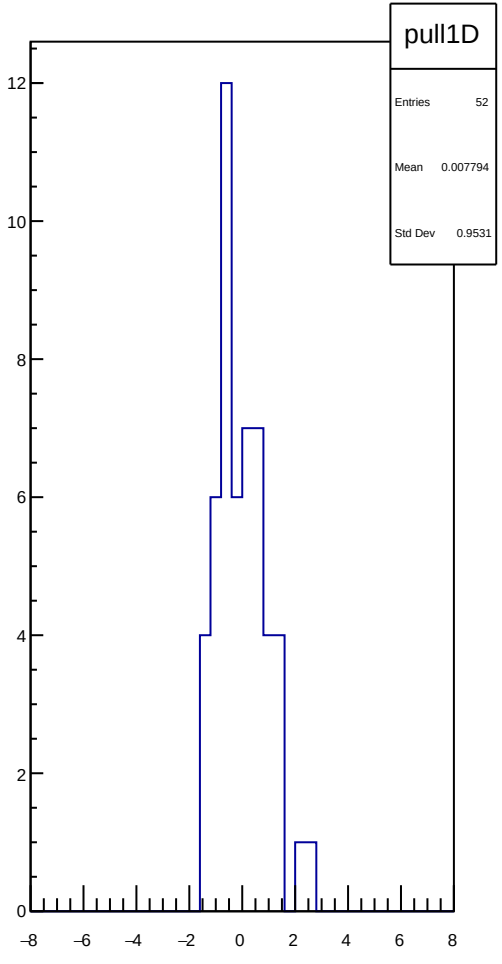
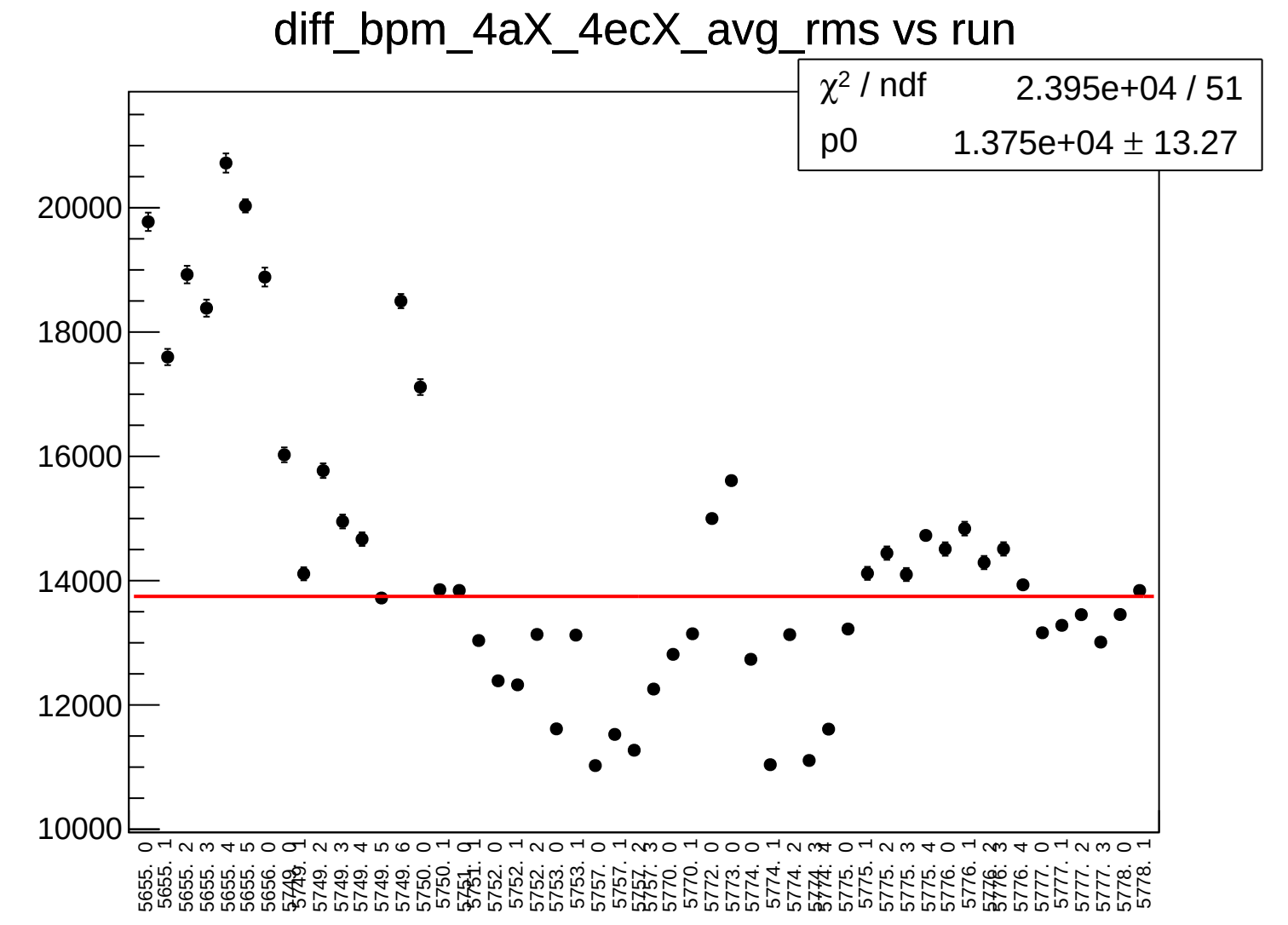

diff_bpm_4aX_4ecX_avg_mean vs run
χ² / ndf 47.24 / 51
p0 −0.3521 ± 18.77
pull
Entries 52
Mean −201.8
Std Dev 0


pull1D
Entries 52
Mean 0.007794
Std Dev 0.9531


diff_bpm_4aX_4ecX_avg_rms vs run
χ² / ndf 2.395e+04 / 51
p0 1.375e+04 ± 13.27
20000
18000
16000
14000
12000
10000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5749. 3
5749. 4
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5749. 6
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5752. 2
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5753. 1
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5757. 1
5757. 2
5757. 3
5770. 0
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5772. 0
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5774. 4
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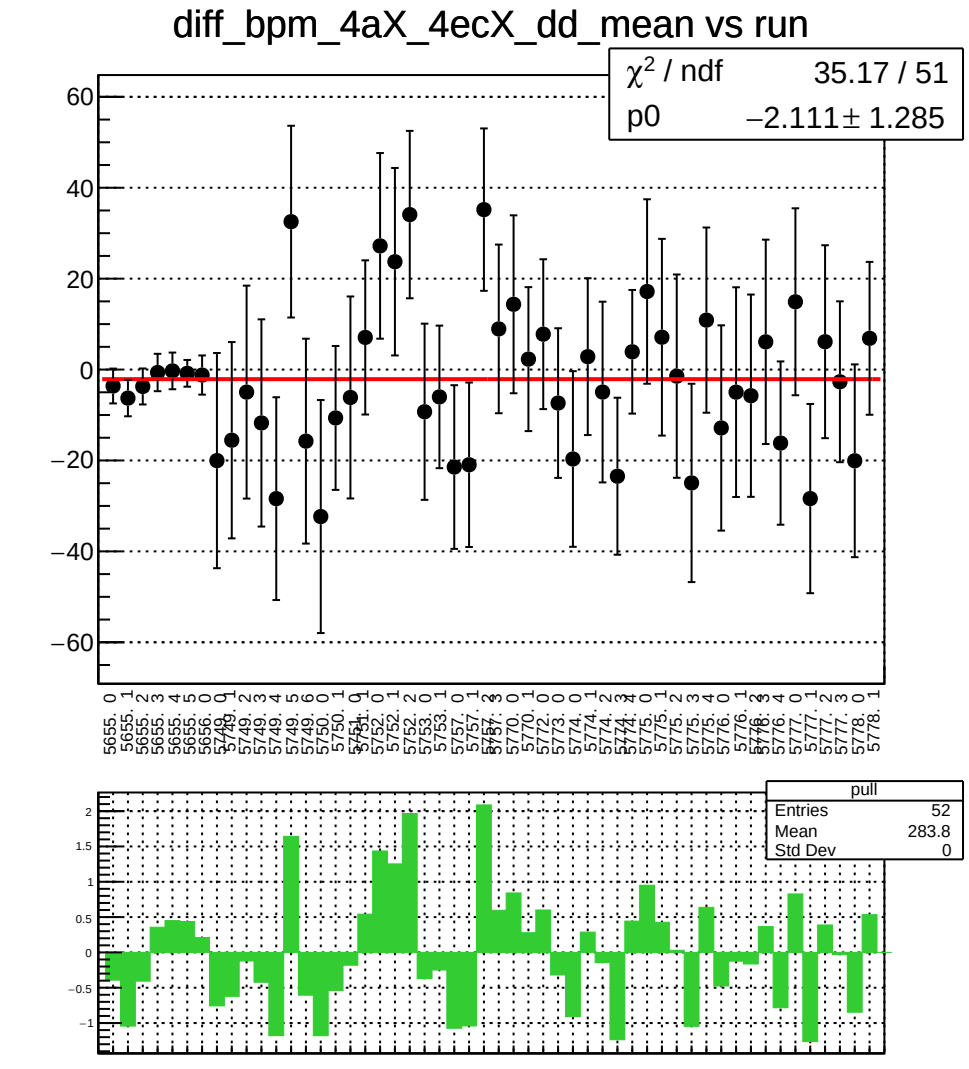
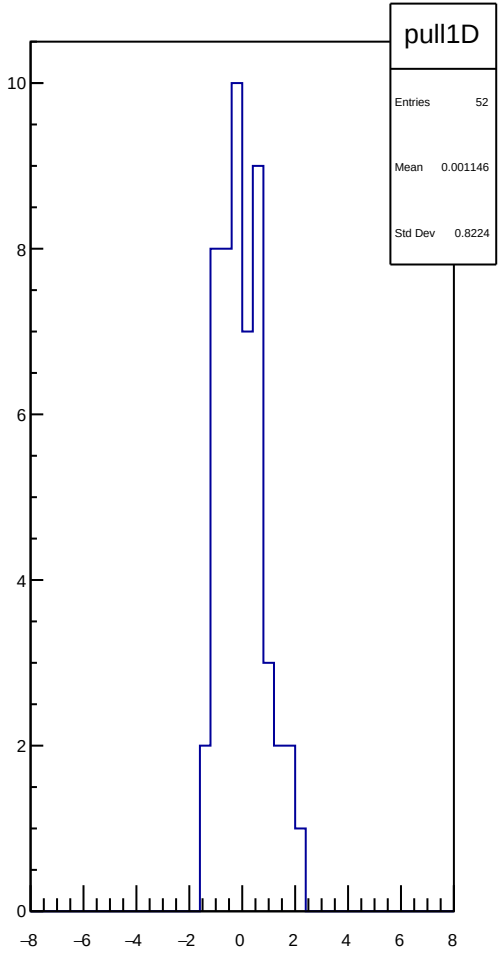
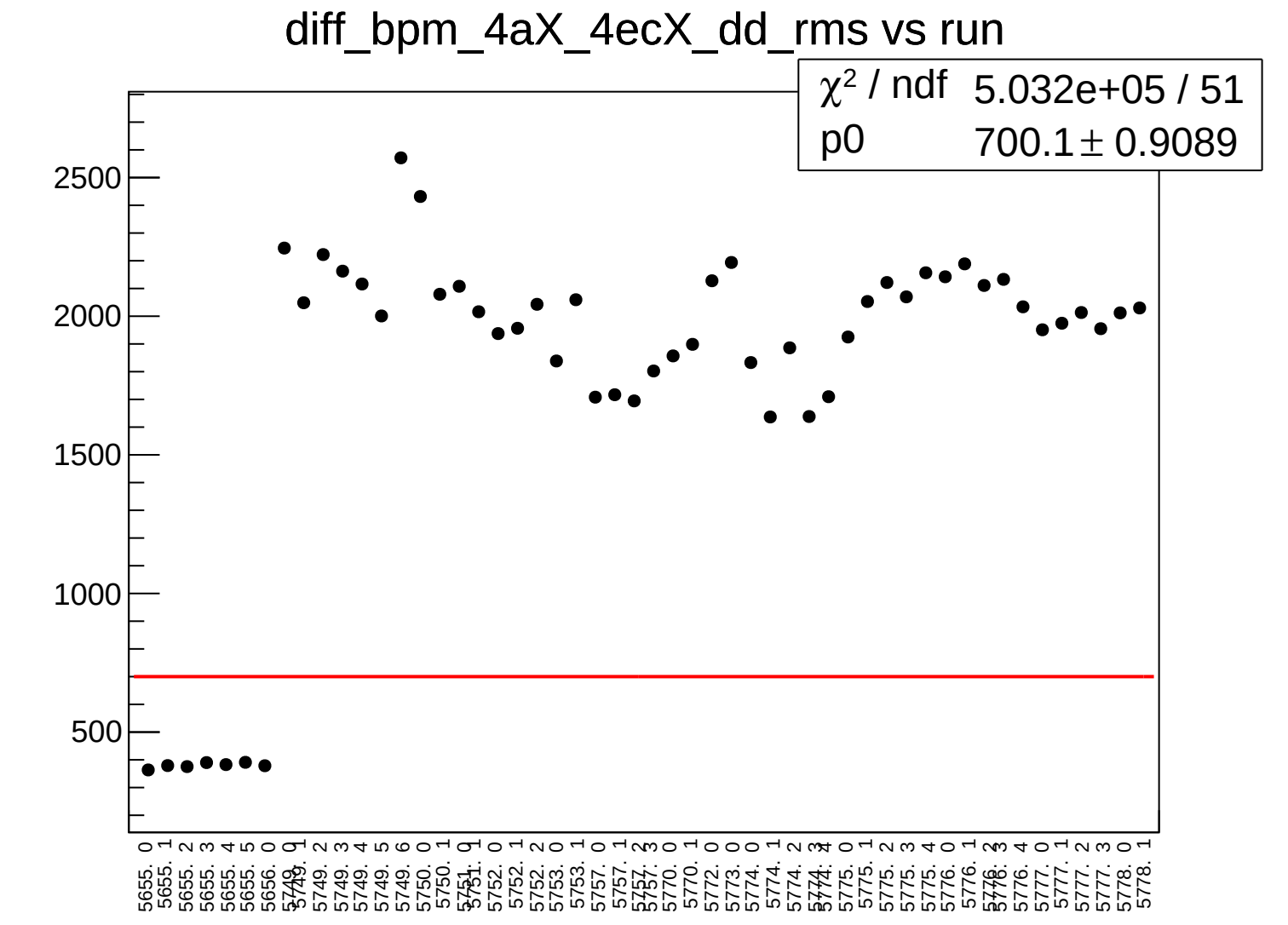

diff_bpm_4aX_4ecX_dd_mean vs run
χ² / ndf 35.17 / 51
p0 −2.111 ± 1.285
pull
Entries 52
Mean 283.8
Std Dev 0


pull1D
Entries 52
Mean 0.001146
Std Dev 0.8224


diff_bpm_4aX_4ecX_dd_rms vs run
χ² / ndf 5.032e+05 / 51
p0 700.1 ± 0.9089
2500
2000
1500
1000
500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
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5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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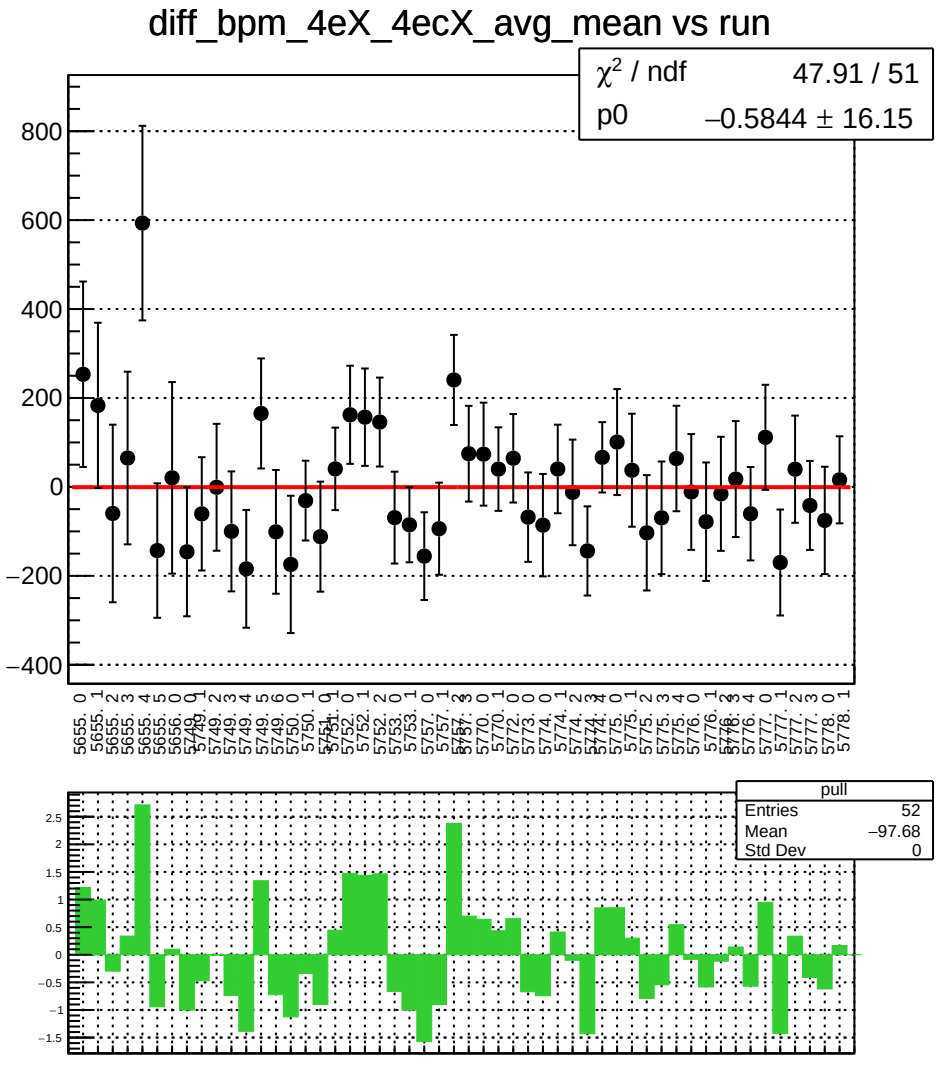
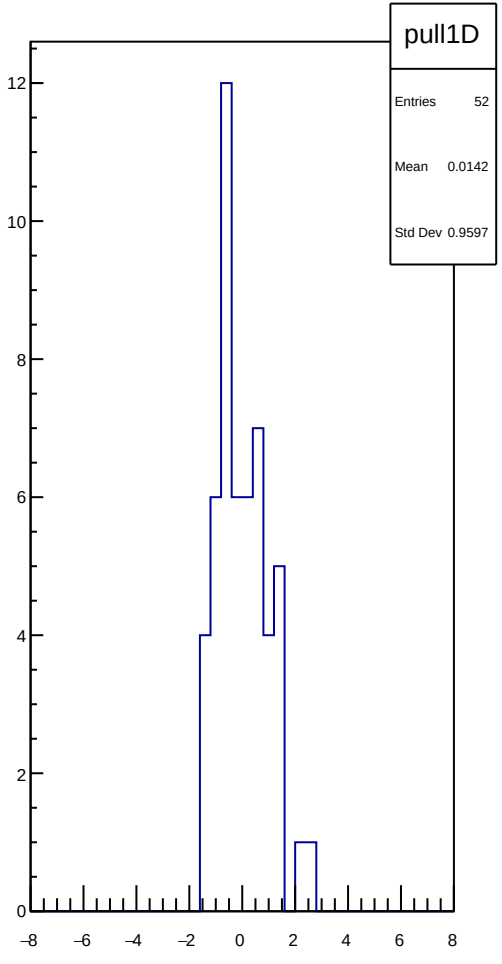
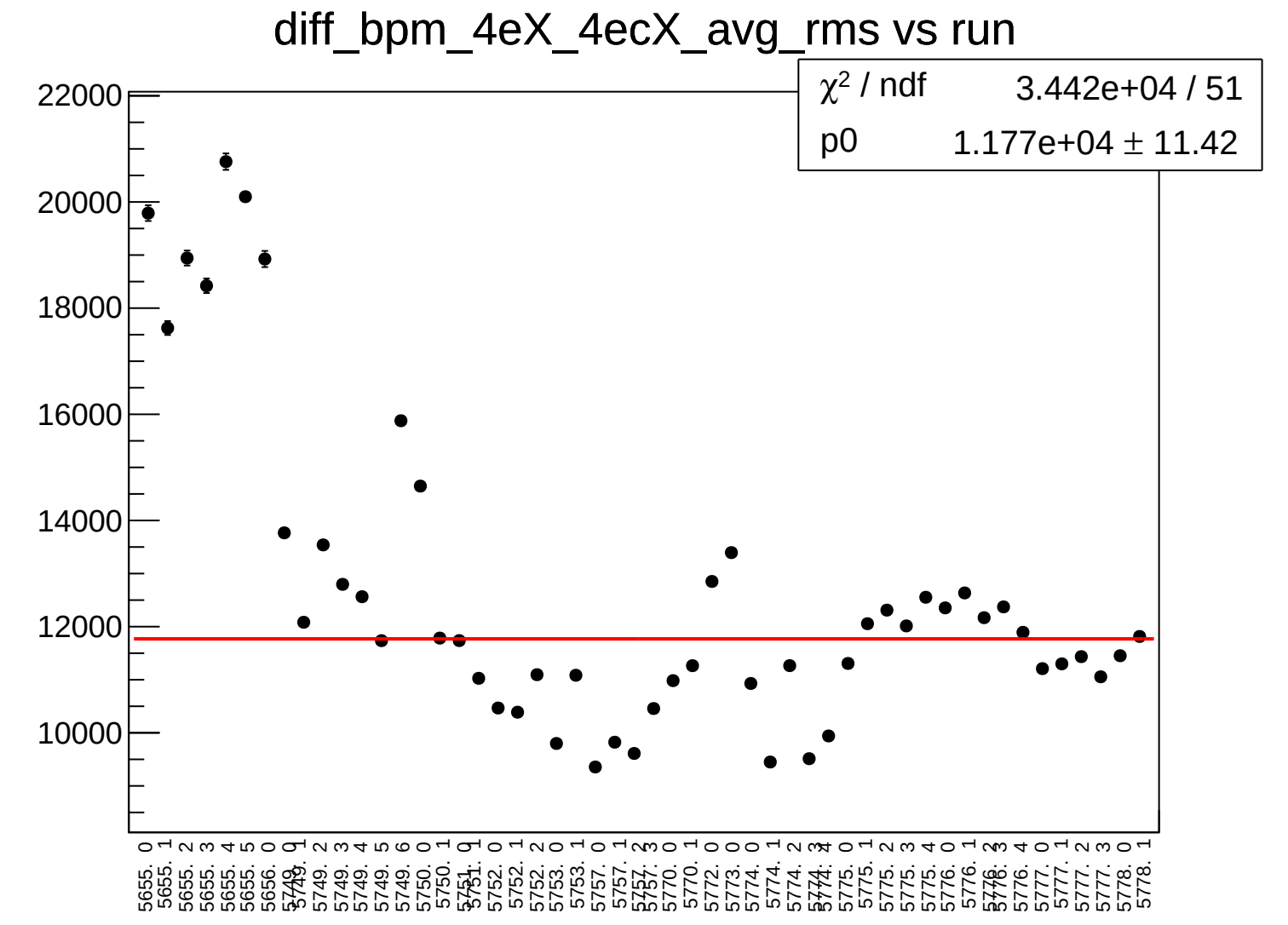

diff_bpm_4eX_4ecX_avg_mean vs run
χ² / ndf 47.91 / 51
p0 −0.5844 ± 16.15
pull
Entries 52
Mean −97.68
Std Dev 0


pull1D
Entries 52
Mean 0.0142
Std Dev 0.9597


diff_bpm_4eX_4ecX_avg_rms vs run
χ² / ndf 3.442e+04 / 51
p0 1.177e+04 ± 11.42
22000
20000
18000
16000
14000
12000
10000
5655. 0
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5655. 2
5655. 3
5655. 4
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5656. 0
5749. 0
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5749. 2
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5749. 6
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5753. 1
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5757. 3
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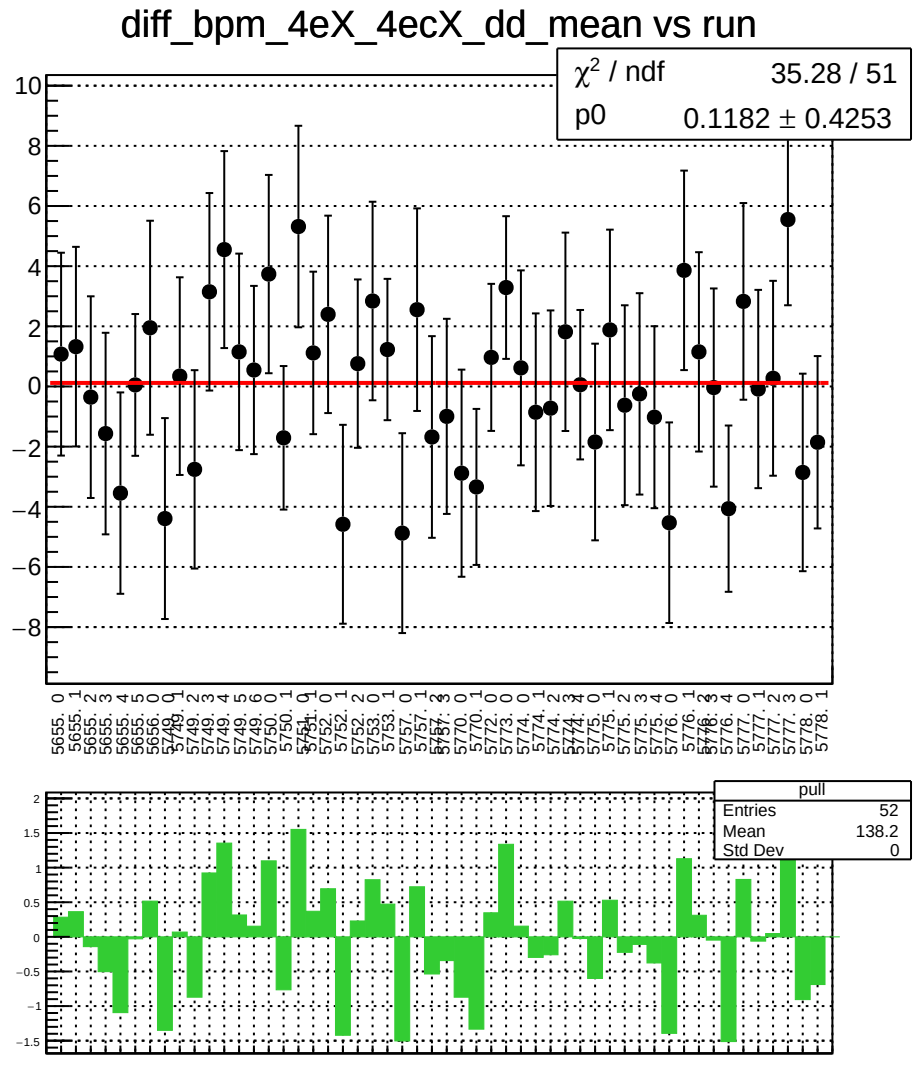
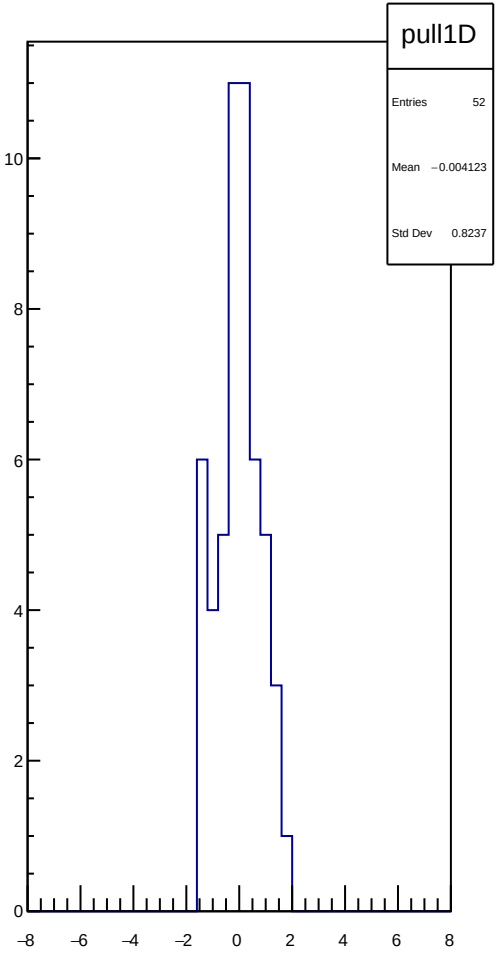
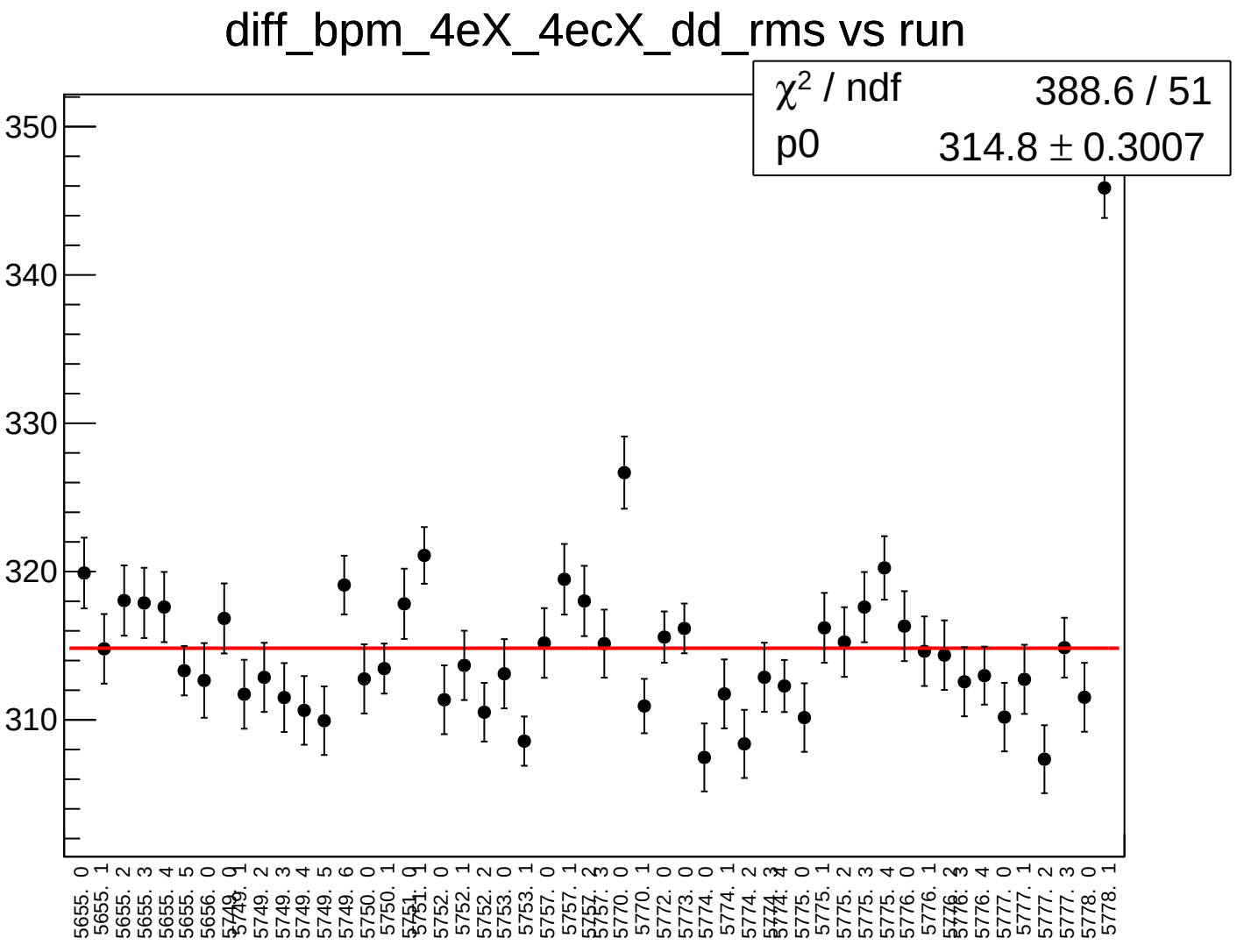

diff_bpm_4eX_4ecX_dd_mean vs run
χ² / ndf 35.28 / 51
p0 0.1182 ± 0.4253
pull
Entries 52
Mean 138.2
Std Dev 0


pull1D
Entries 52
Mean −0.004123
Std Dev 0.8237


diff_bpm_4eX_4ecX_dd_rms vs run
χ² / ndf 388.6 / 51
p0 314.8 ± 0.3007
350
340
330
320
310
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
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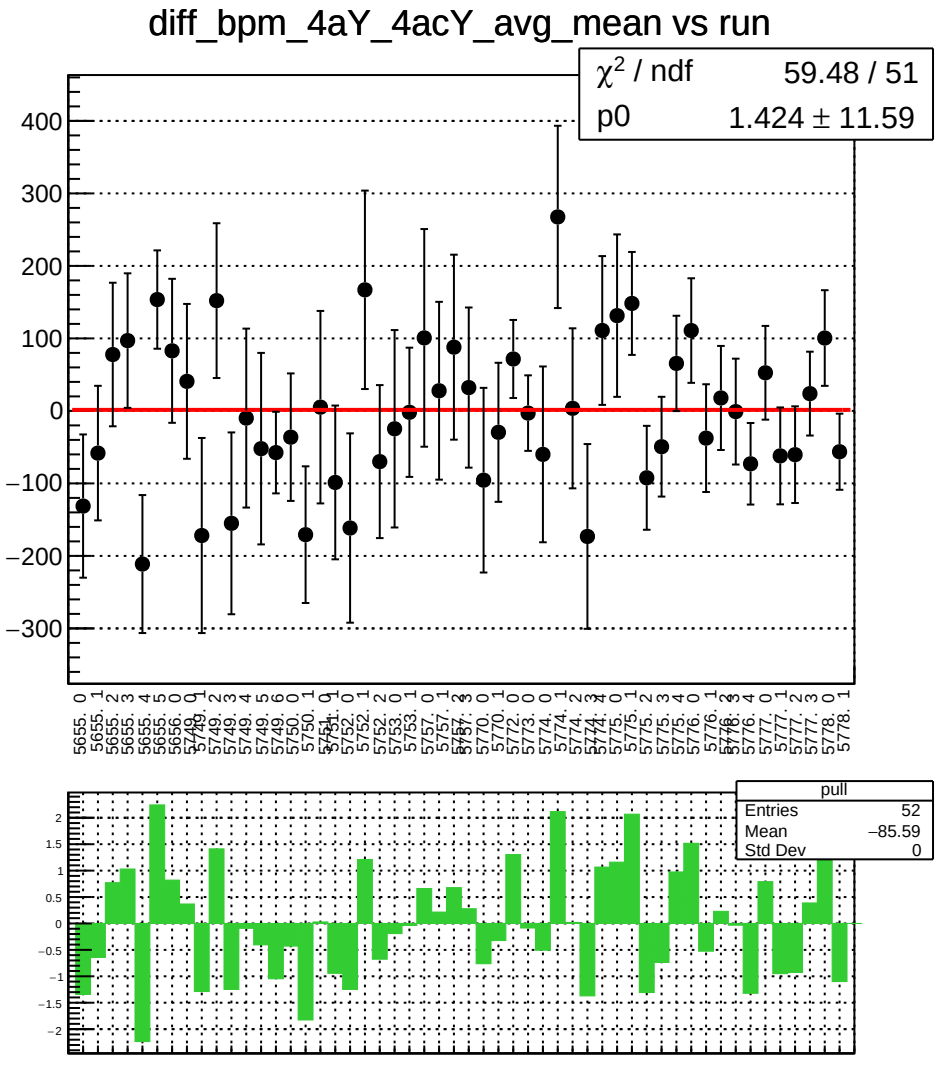
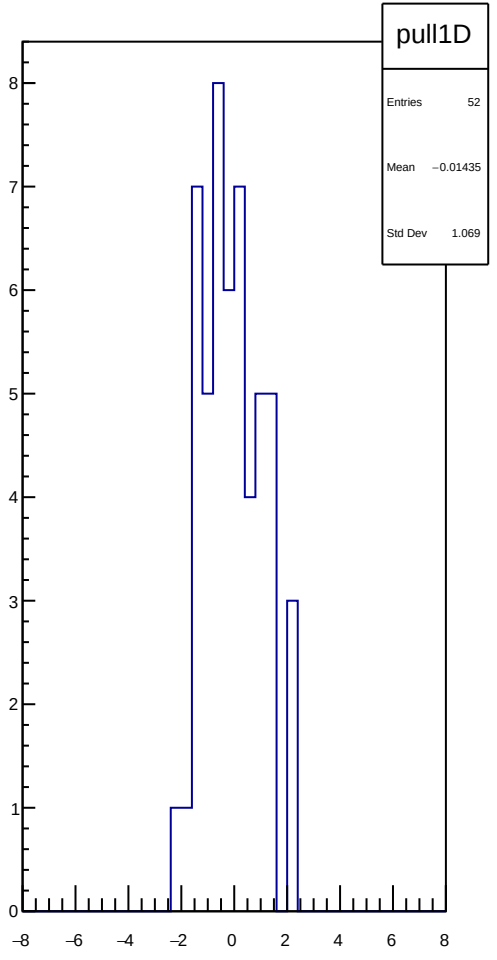
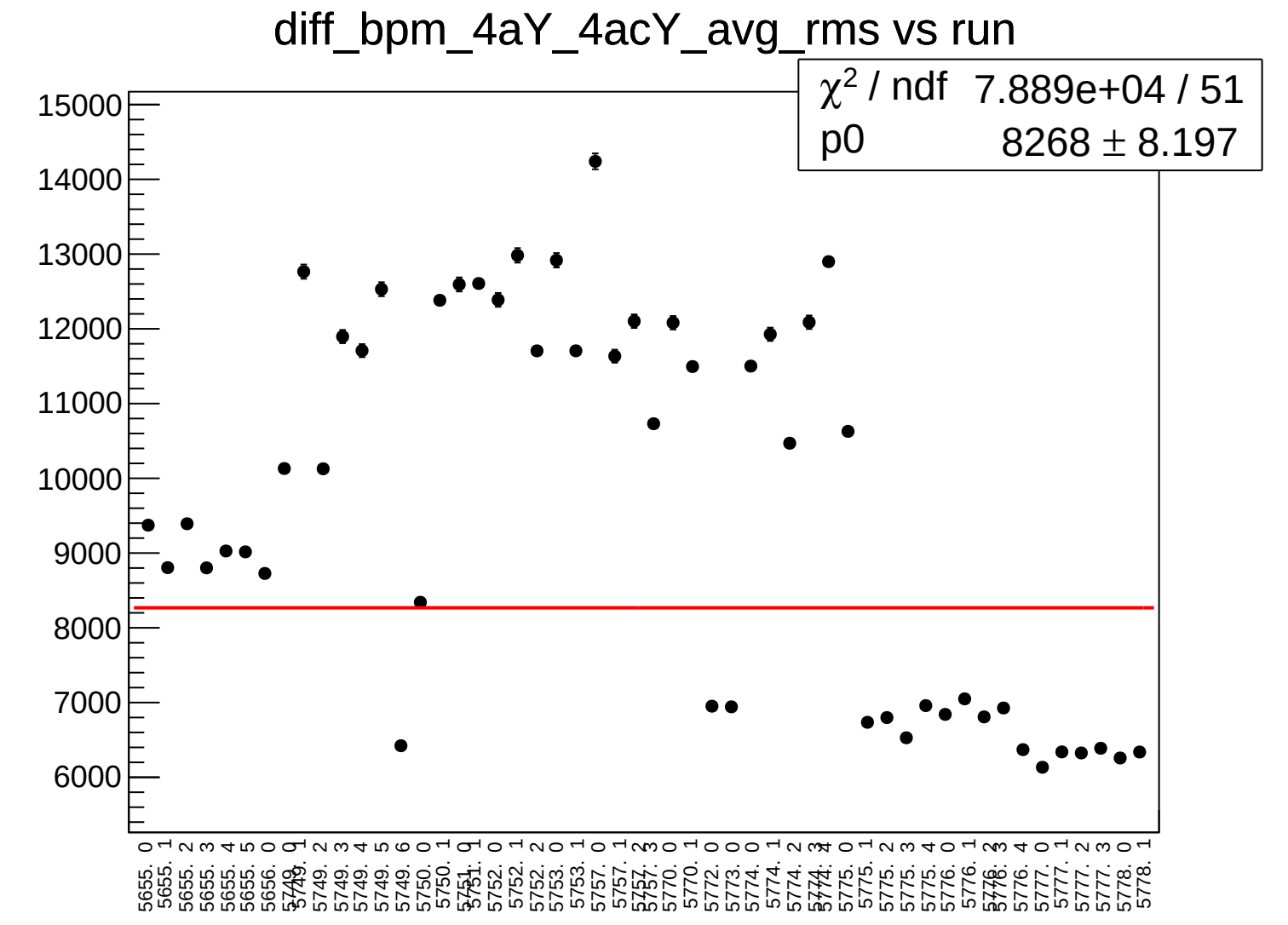
5778. 1


diff_bpm_4aY_4acY_avg_mean vs run
χ² / ndf 59.48 / 51
p0 1.424 ± 11.59
pull
Entries 52
Mean −85.59
Std Dev 0


pull1D
Entries 52
Mean −0.01435
Std Dev 1.069


diff_bpm_4aY_4acY_avg_rms vs run
χ² / ndf 7.889e+04 / 51
p0 8268 ± 8.197
15000
14000
13000
12000
11000
10000
9000
8000
7000
6000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
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5773. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
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5777. 2
5777. 3
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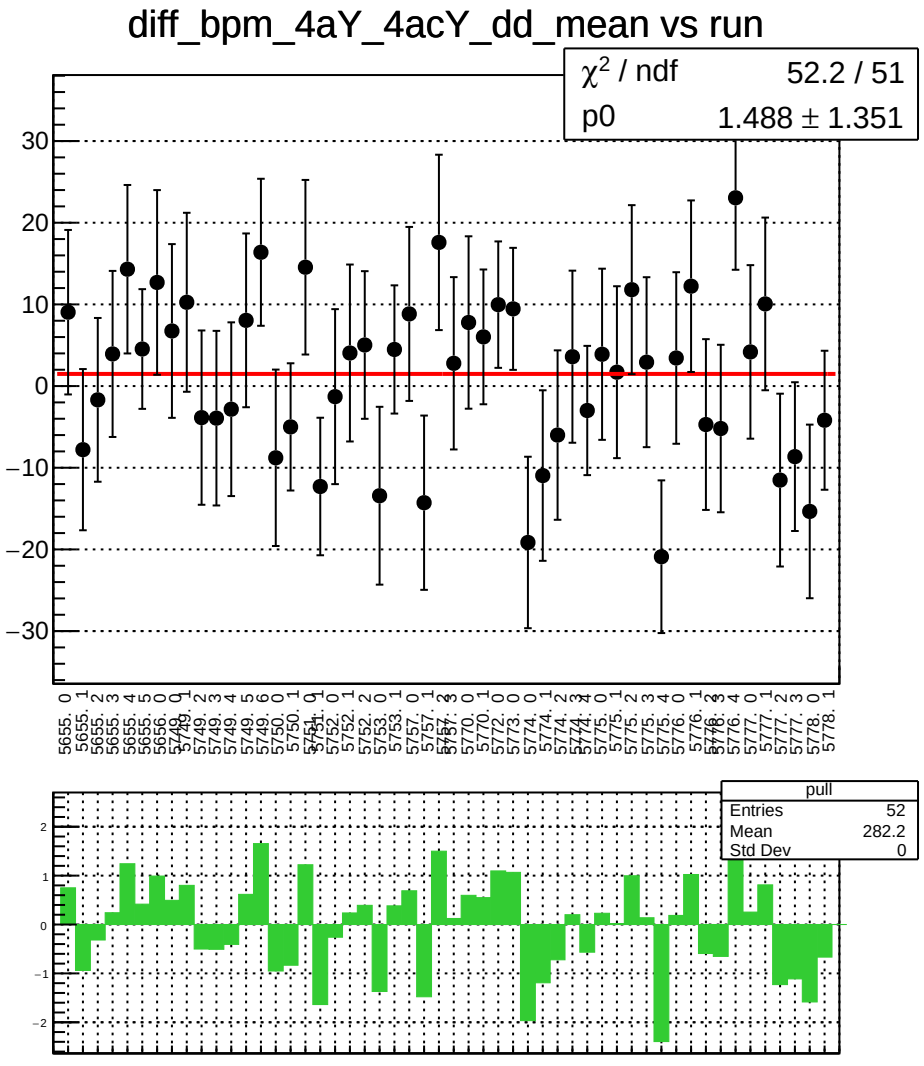
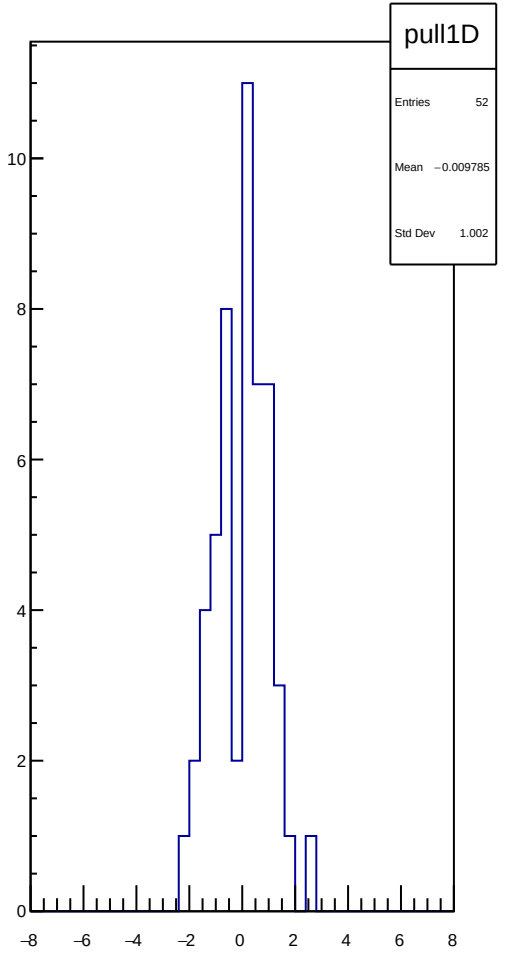
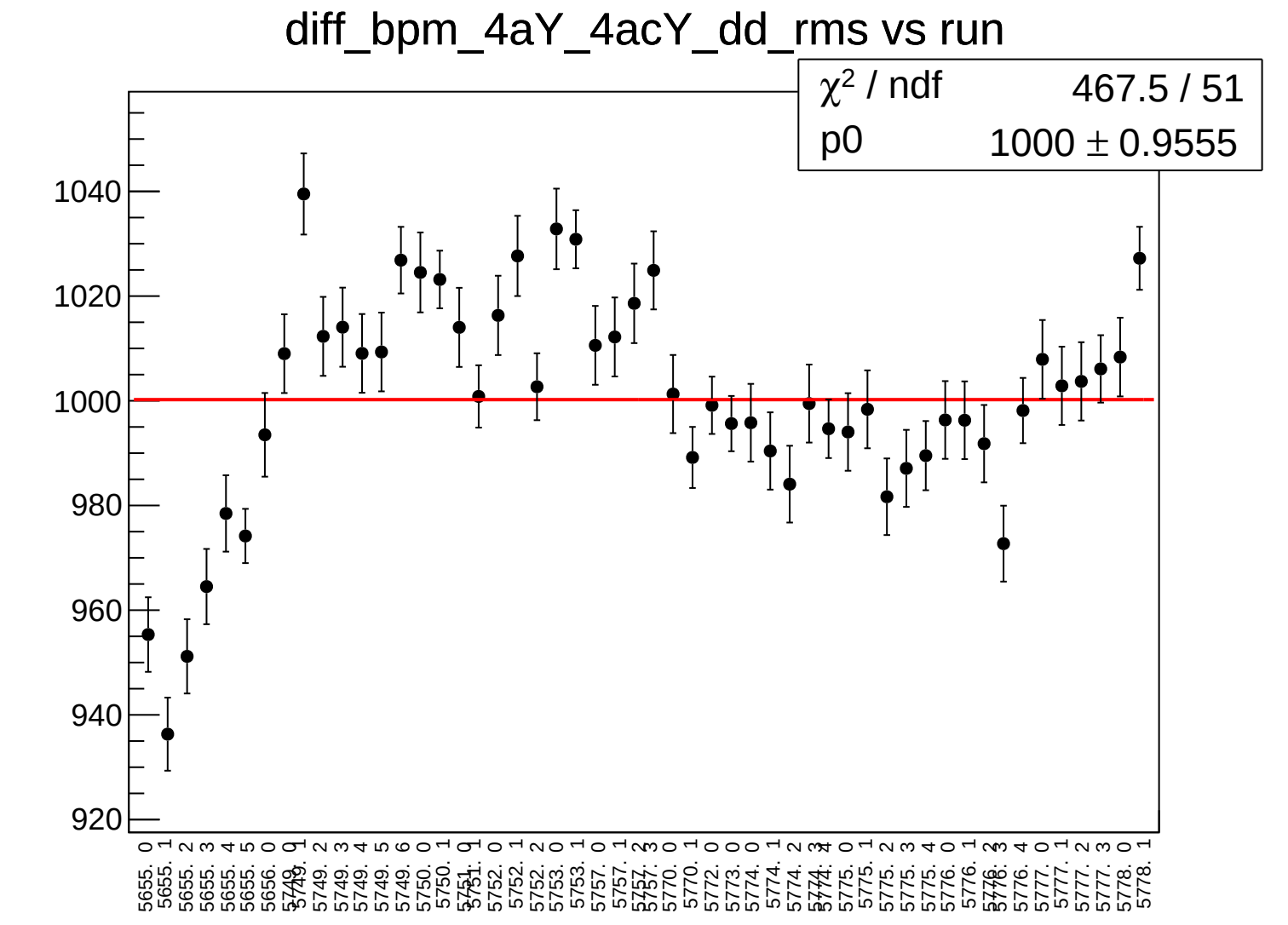
5778. 1


diff_bpm_4aY_4acY_dd_mean vs run
χ^2 / ndf 52.2 / 51
p0 1.488 ± 1.351
pull
Entries 52
Mean 282.2
Std Dev 0


pull1D
Entries 52
Mean −0.009785
Std Dev 1.002


diff_bpm_4aY_4acY_dd_rms vs run
χ² / ndf 467.5 / 51
p0 1000 ± 0.9555
1040
1020
1000
980
960
940
920
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
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5757. 2
5757. 3
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5773. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
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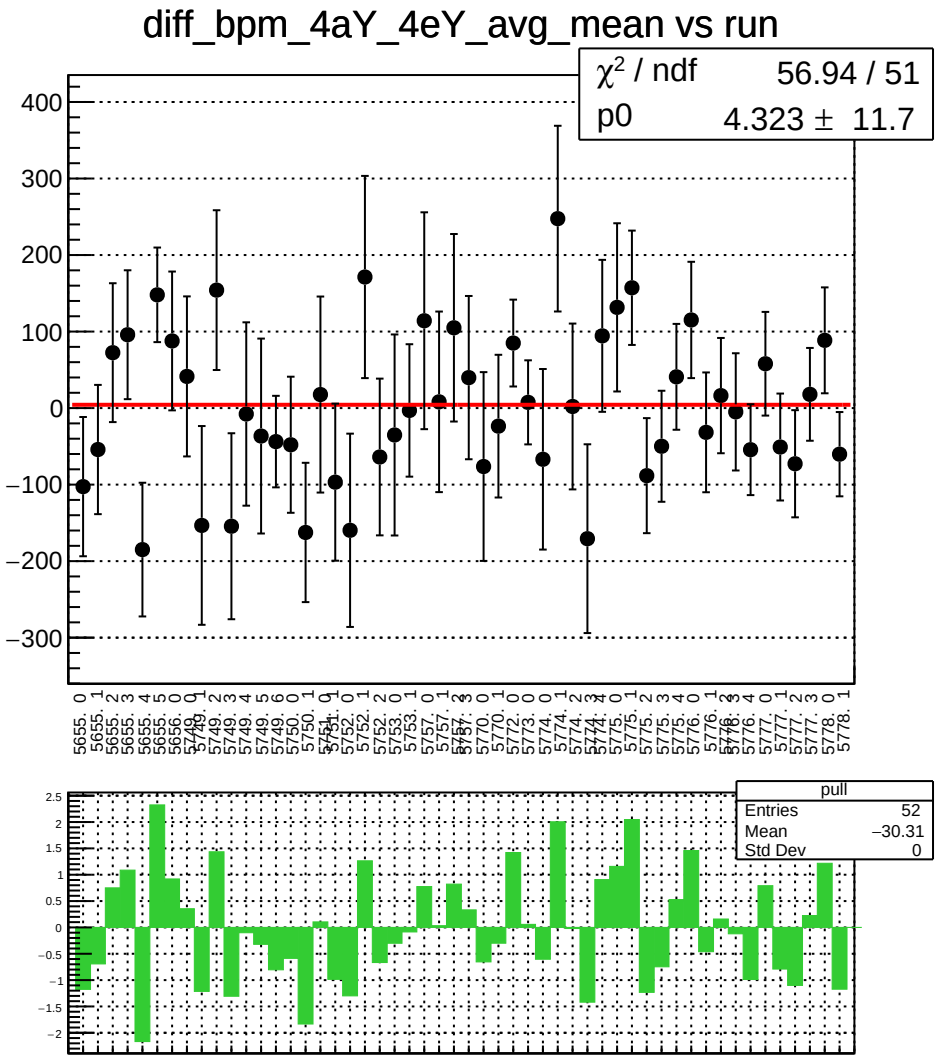
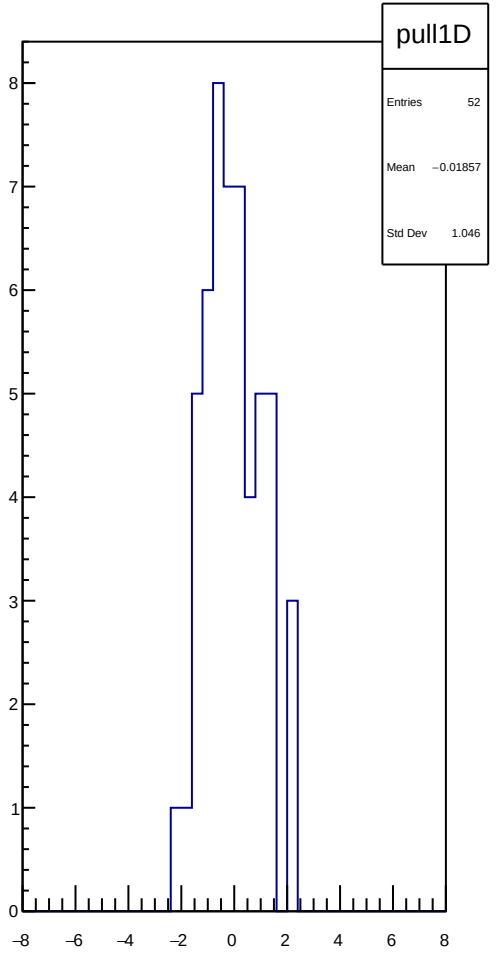
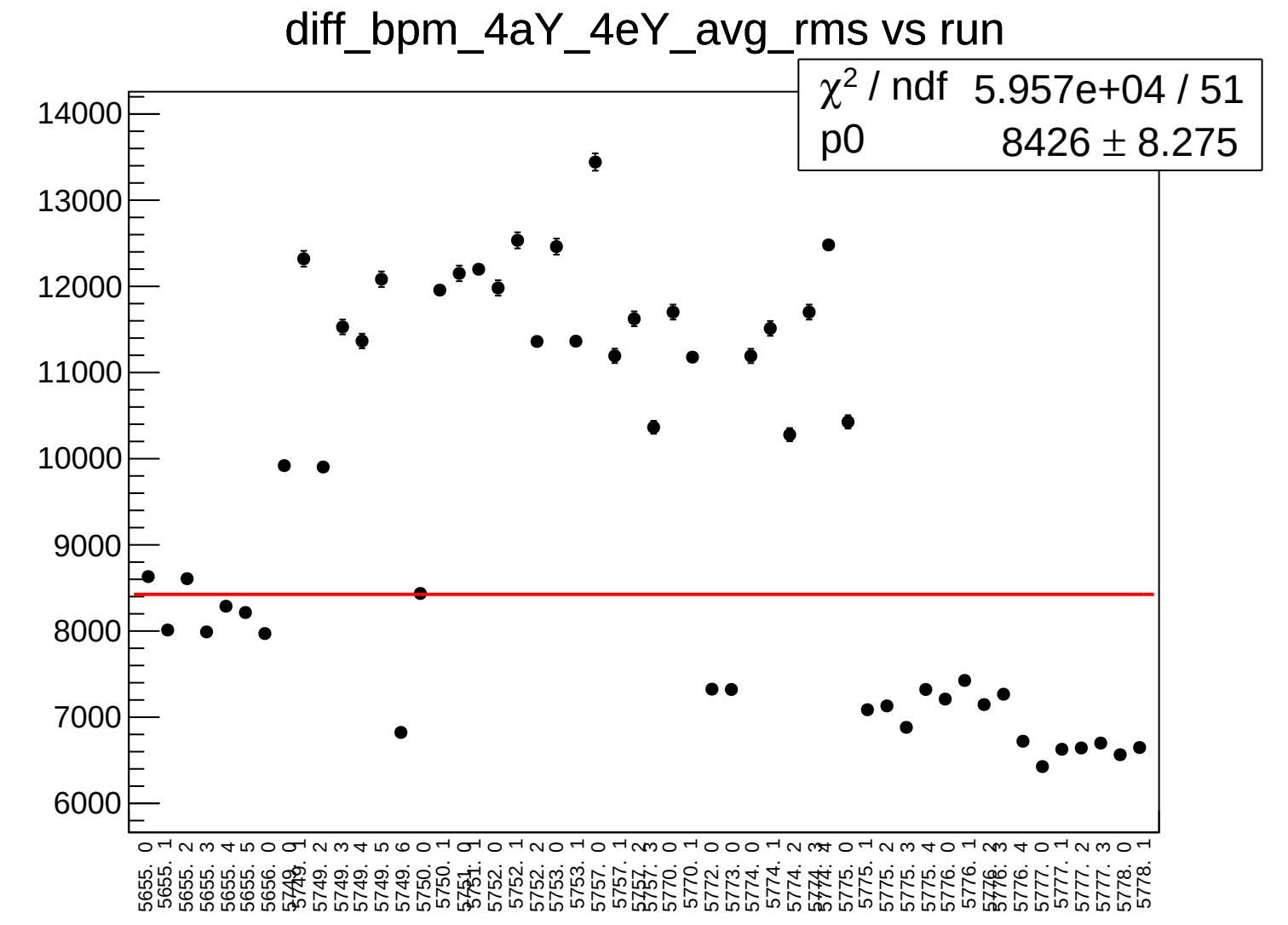
5777. 2
5777. 3
5778. 0
5778. 1


diff_bpm_4aY_4eY_avg_mean vs run
χ² / ndf 56.94 / 51
p0 4.323 ± 11.7
pull
Entries 52
Mean −30.31
Std Dev 0


pull1D
Entries 52
Mean −0.01857
Std Dev 1.046


diff_bpm_4aY_4eY_avg_rms vs run
χ² / ndf 5.957e+04 / 51
p0 8426 ± 8.275
14000
13000
12000
11000
10000
9000
8000
7000
6000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
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5773. 0
5774. 0
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5775. 3
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5777. 2
5777. 3
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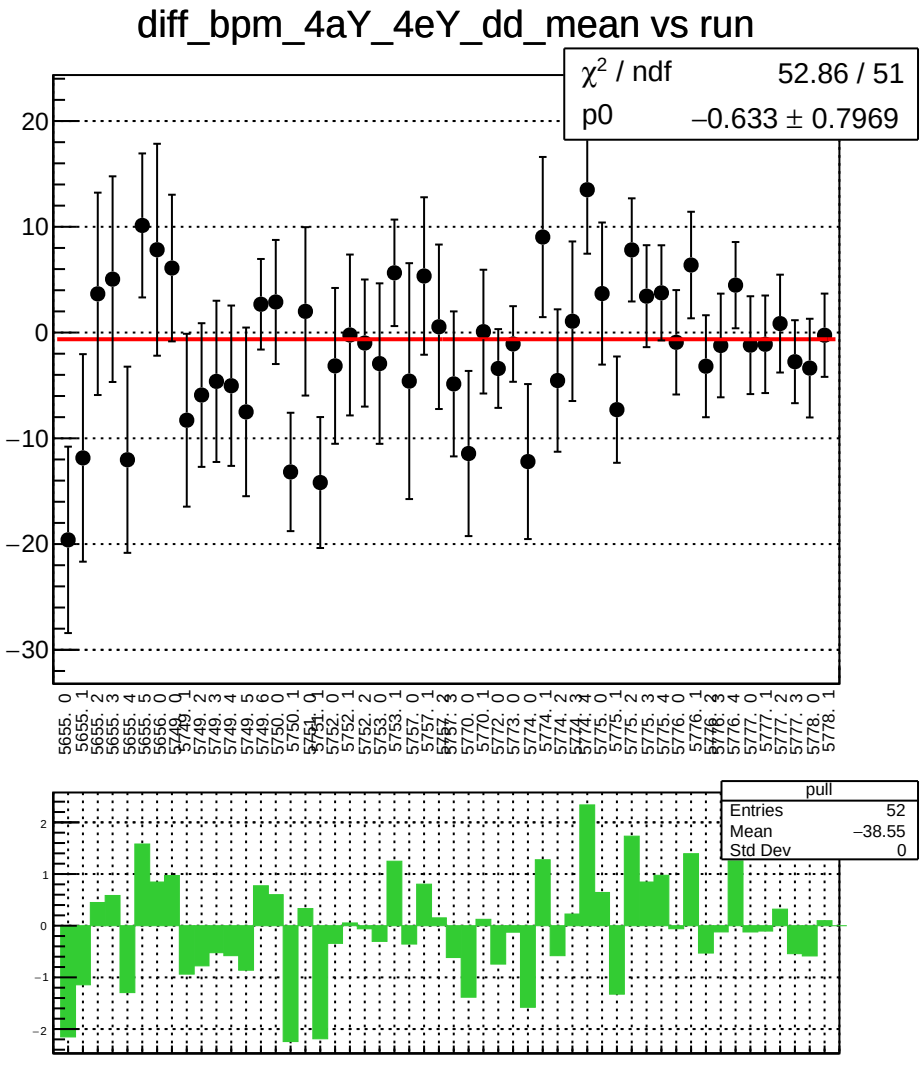
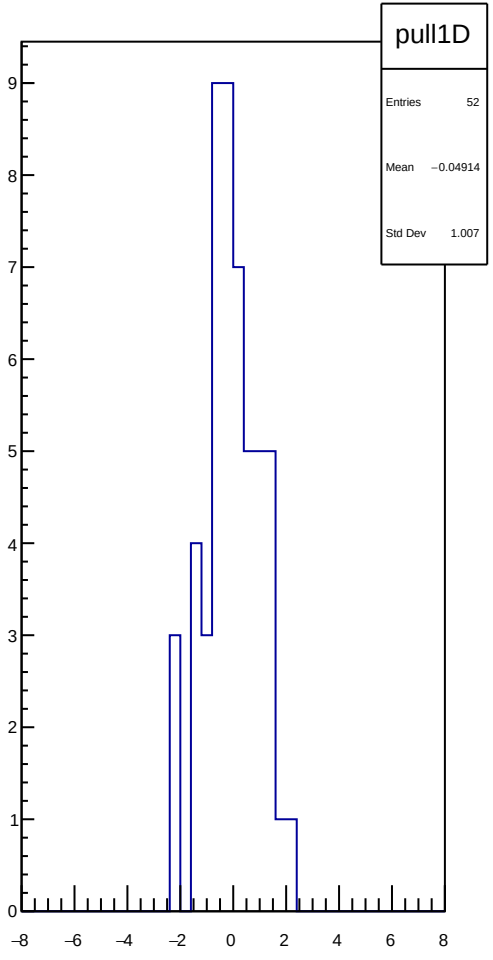
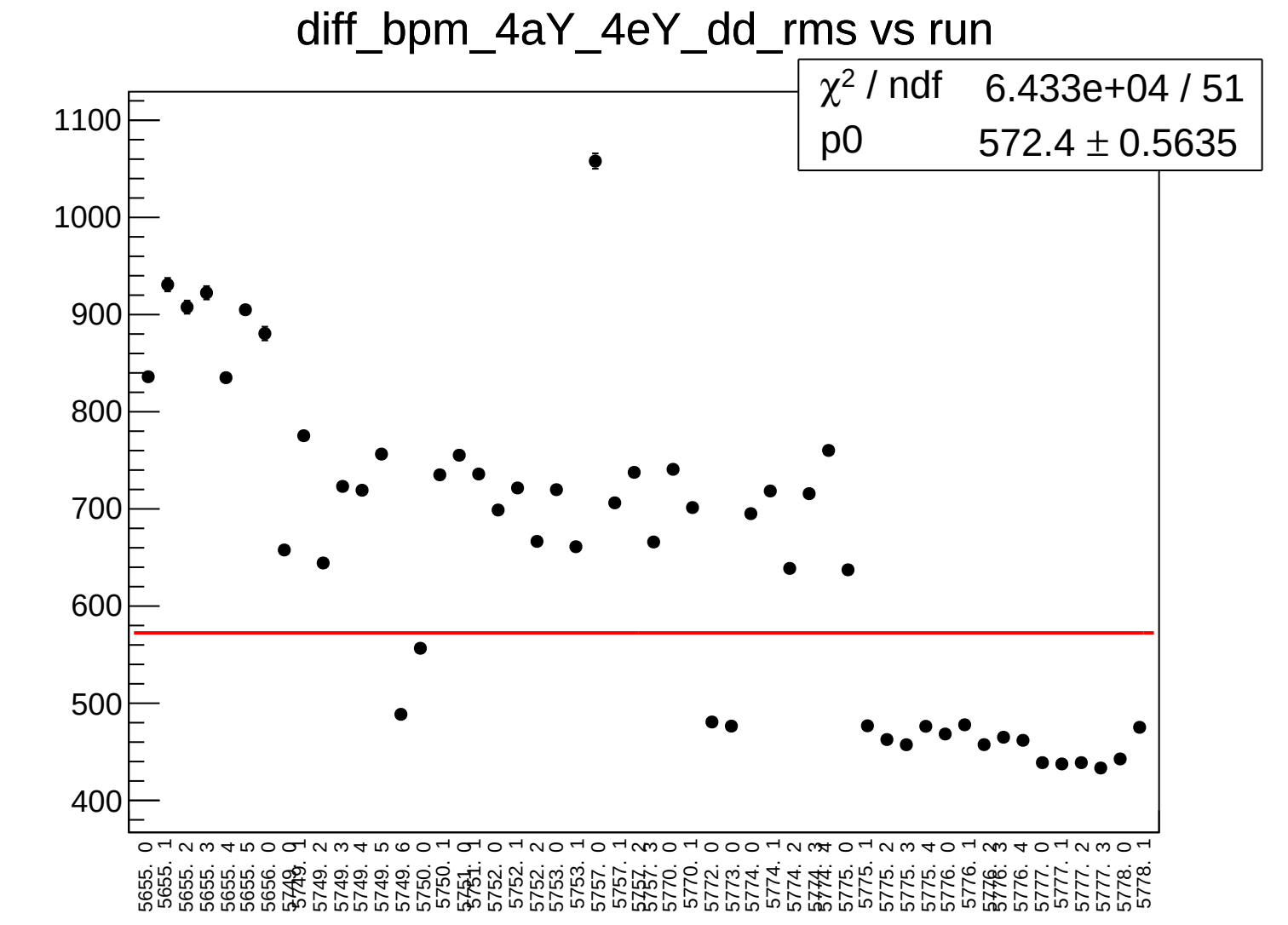
5778. 1


diff_bpm_4aY_4eY_dd_mean vs run
χ² / ndf 52.86 / 51
p0 −0.633 ± 0.7969
pull
Entries 52
Mean −38.55
Std Dev 0


pull1D
Entries 52
Mean −0.04914
Std Dev 1.007


diff_bpm_4aY_4eY_dd_rms vs run
χ² / ndf 6.433e+04 / 51
p0 572.4 ± 0.5635
1100
1000
900
800
700
600
500
400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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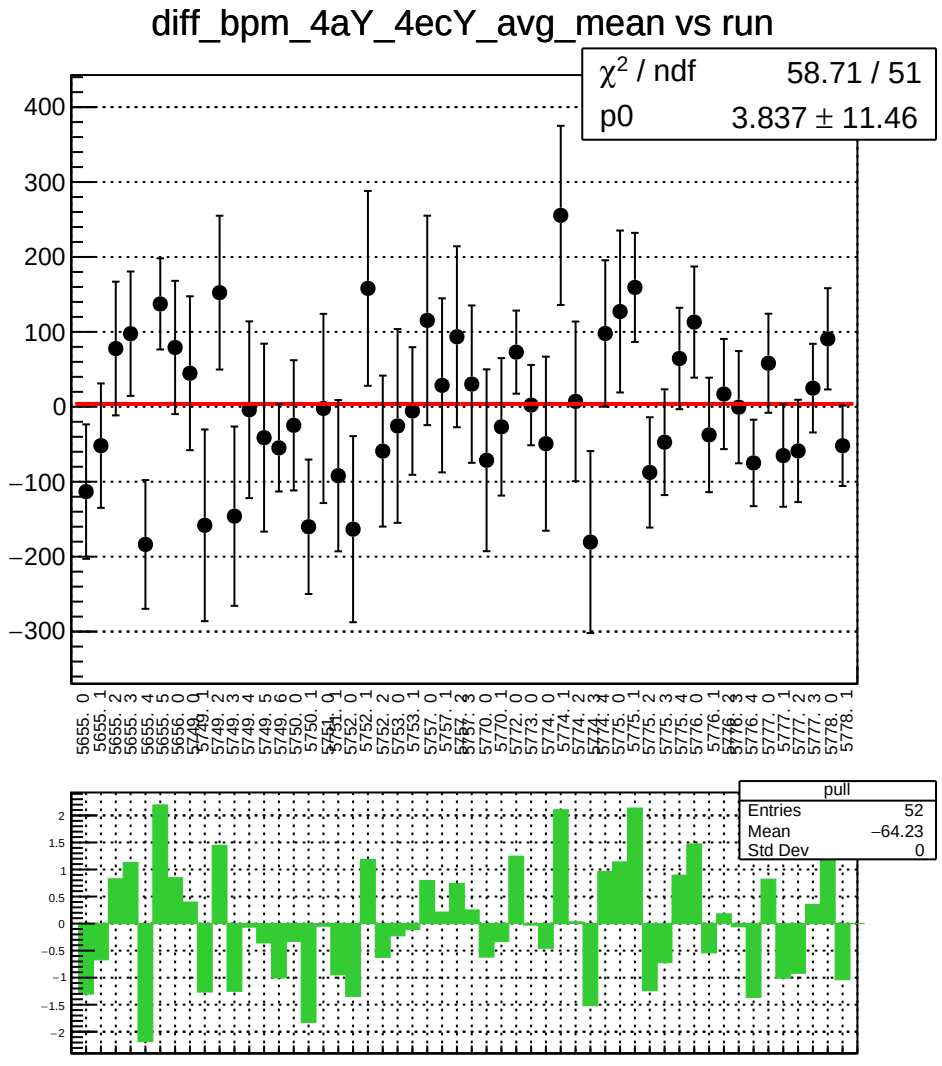
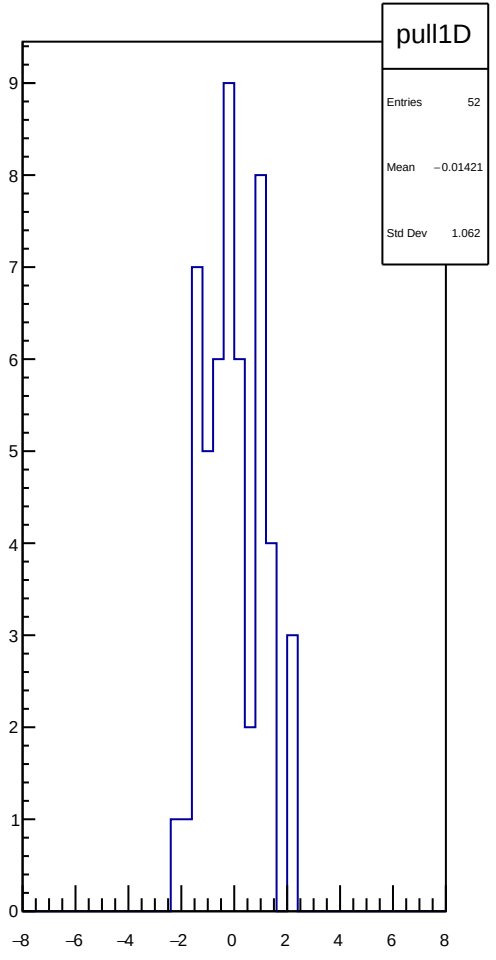
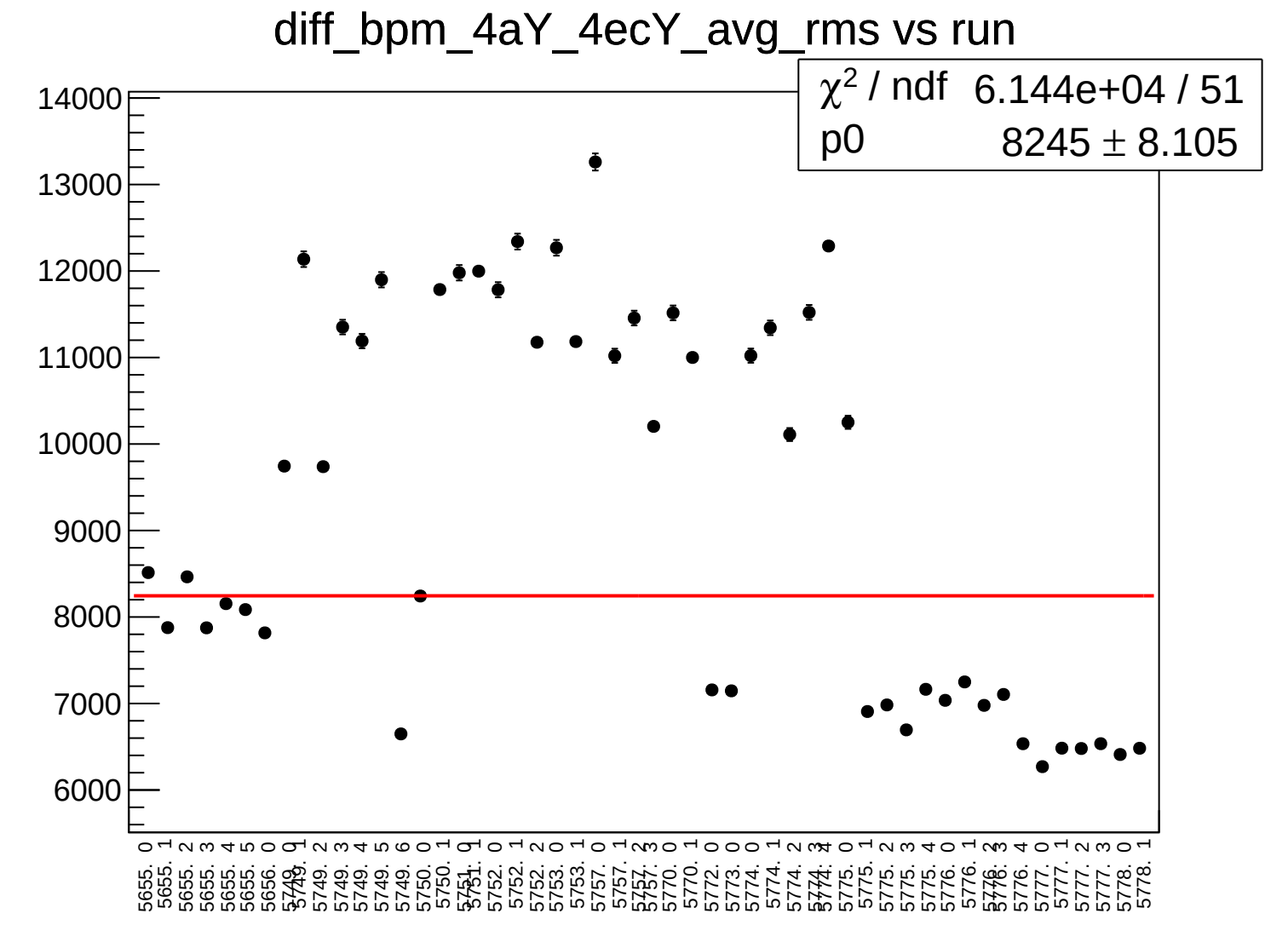
5778. 1


diff_bpm_4aY_4ecY_avg_mean vs run
χ² / ndf 58.71 / 51
p0 3.837 ± 11.46
pull
Entries 52
Mean −64.23
Std Dev 0


pull1D
Entries 52
Mean −0.01421
Std Dev 1.062


diff_bpm_4aY_4ecY_avg_rms vs run
χ² / ndf 6.144e+04 / 51
p0 8245 ± 8.105
14000
13000
12000
11000
10000
9000
8000
7000
6000
5655. 0
5655. 1
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5655. 3
5655. 4
5655. 5
5656. 0
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5749. 3
5749. 4
5749. 5
5749. 6
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5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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5774. 0
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5775. 3
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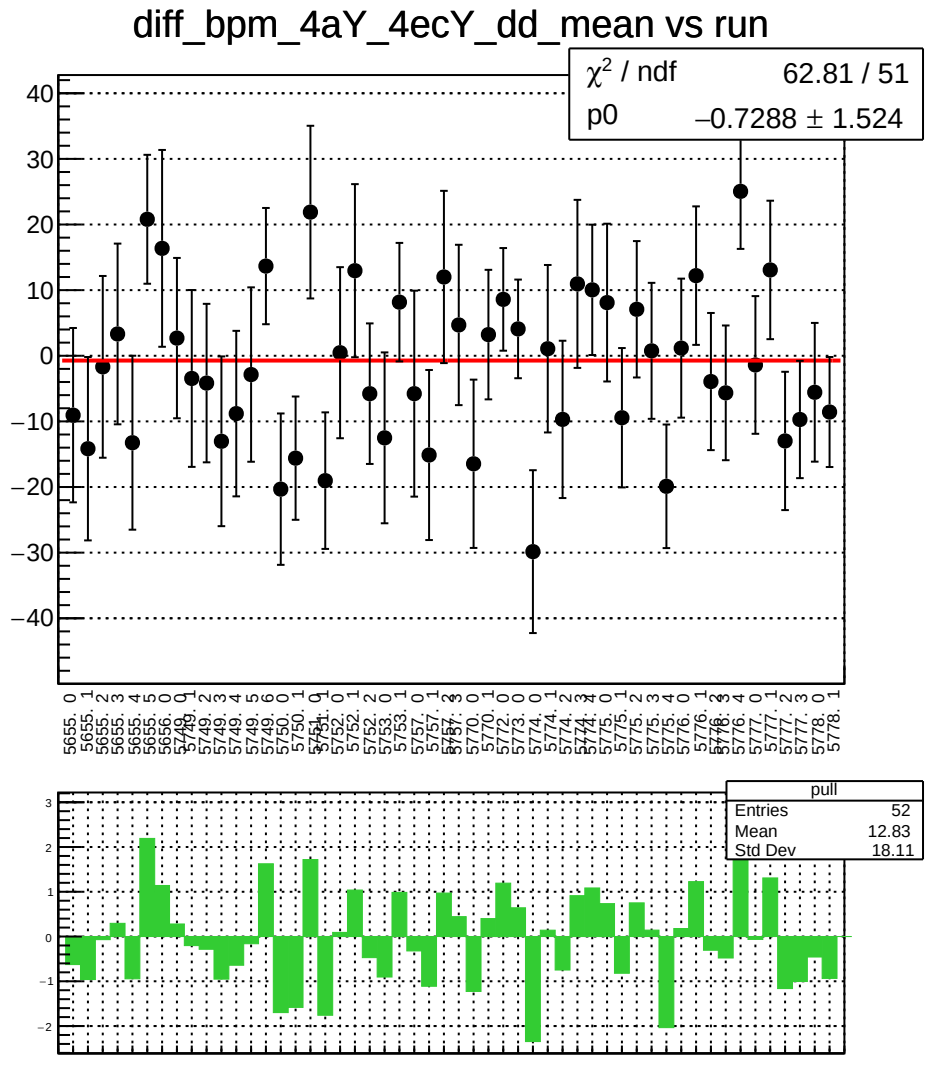
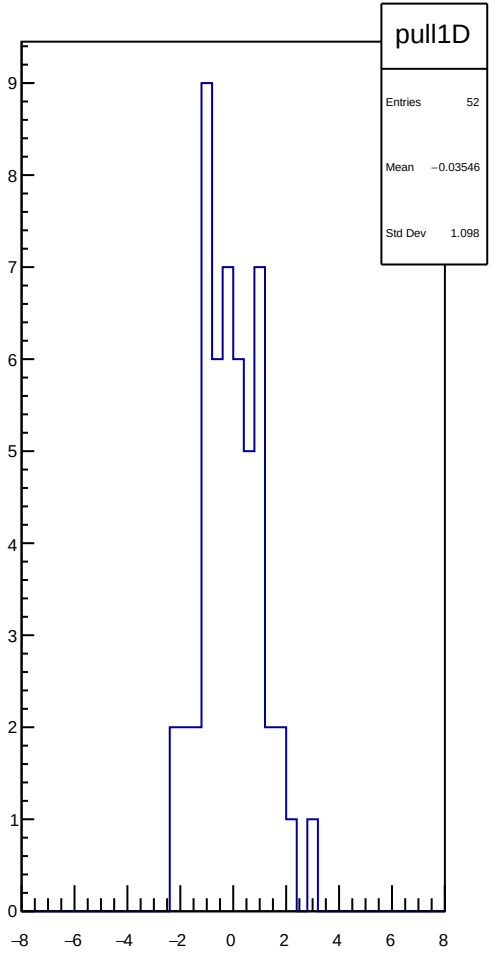
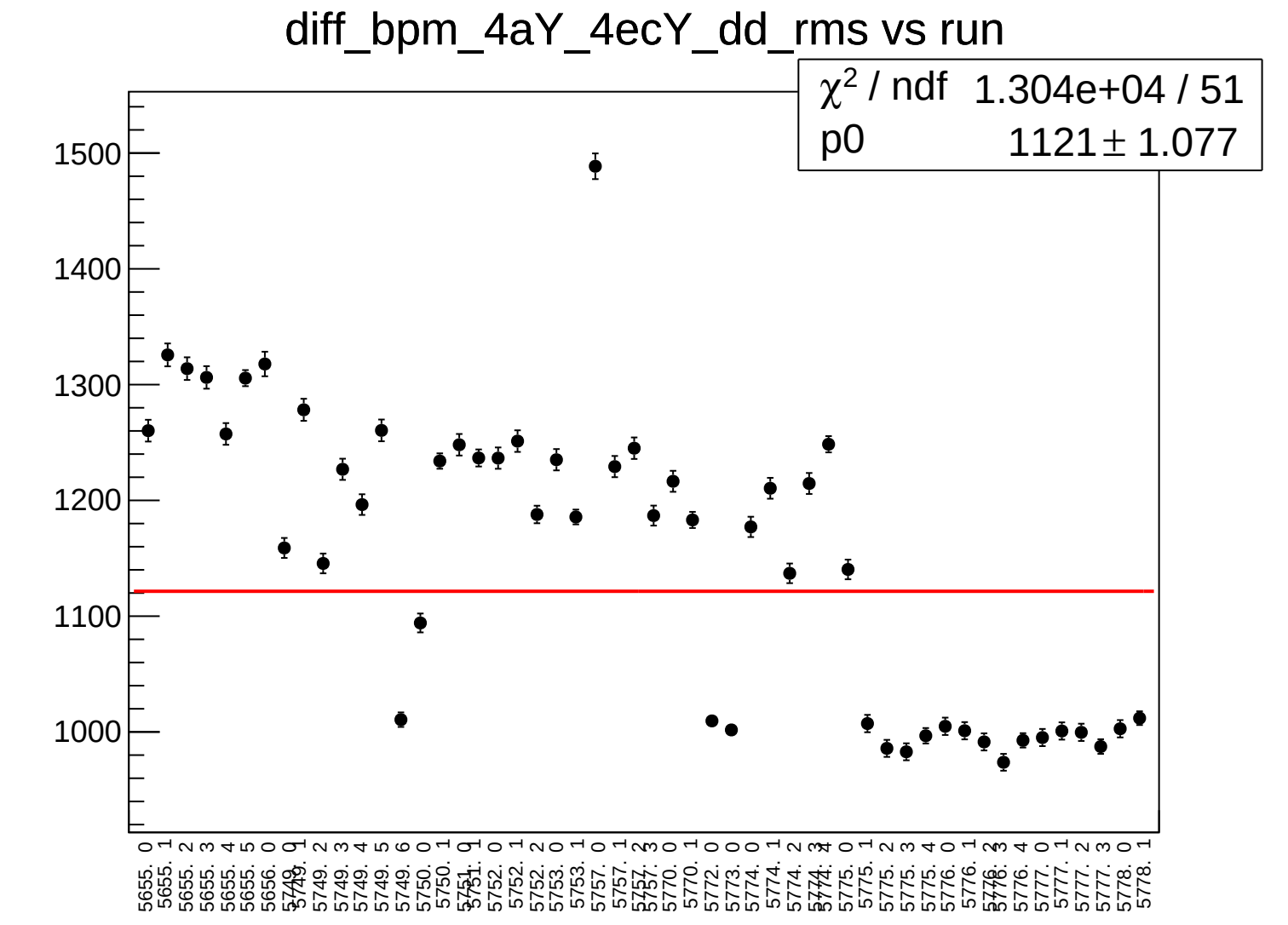
5777. 2
5777. 3
5778. 0
5778. 1


diff_bpm_4aY_4ecY_dd_mean vs run
χ² / ndf 62.81 / 51
p0 −0.7288 ± 1.524
pull
Entries 52
Mean 12.83
Std Dev 18.11


pull1D
Entries 52
Mean −0.03546
Std Dev 1.098


diff_bpm_4aY_4ecY_dd_rms vs run
χ² / ndf 1.304e+04 / 51
p0 1121 ± 1.077
1500
1400
1300
1200
1100
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
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5777. 2
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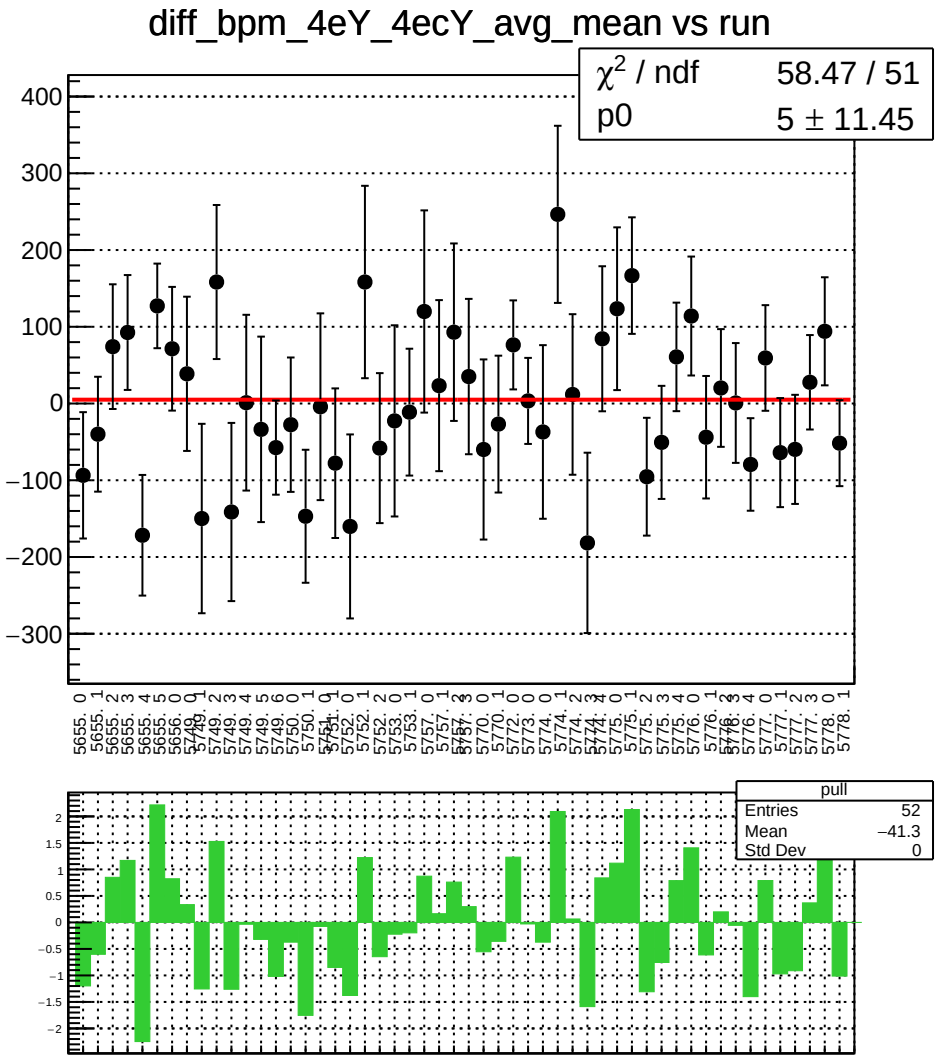
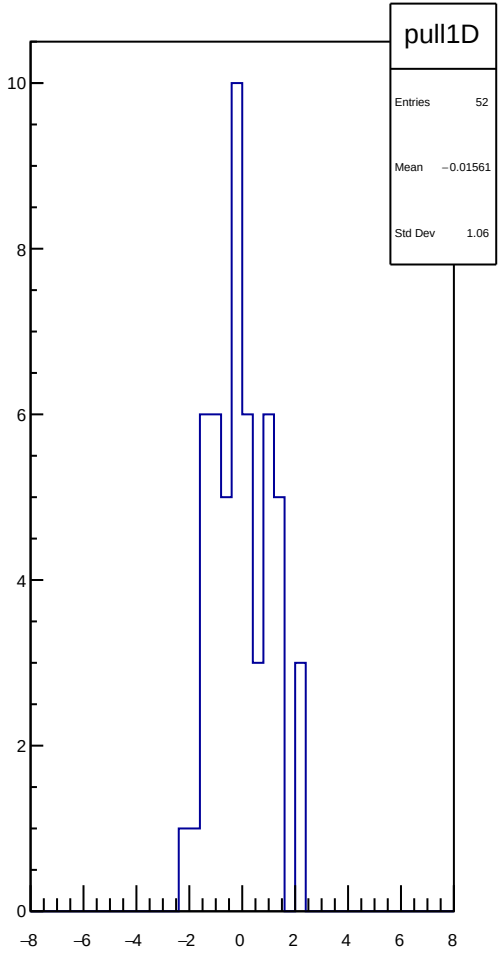
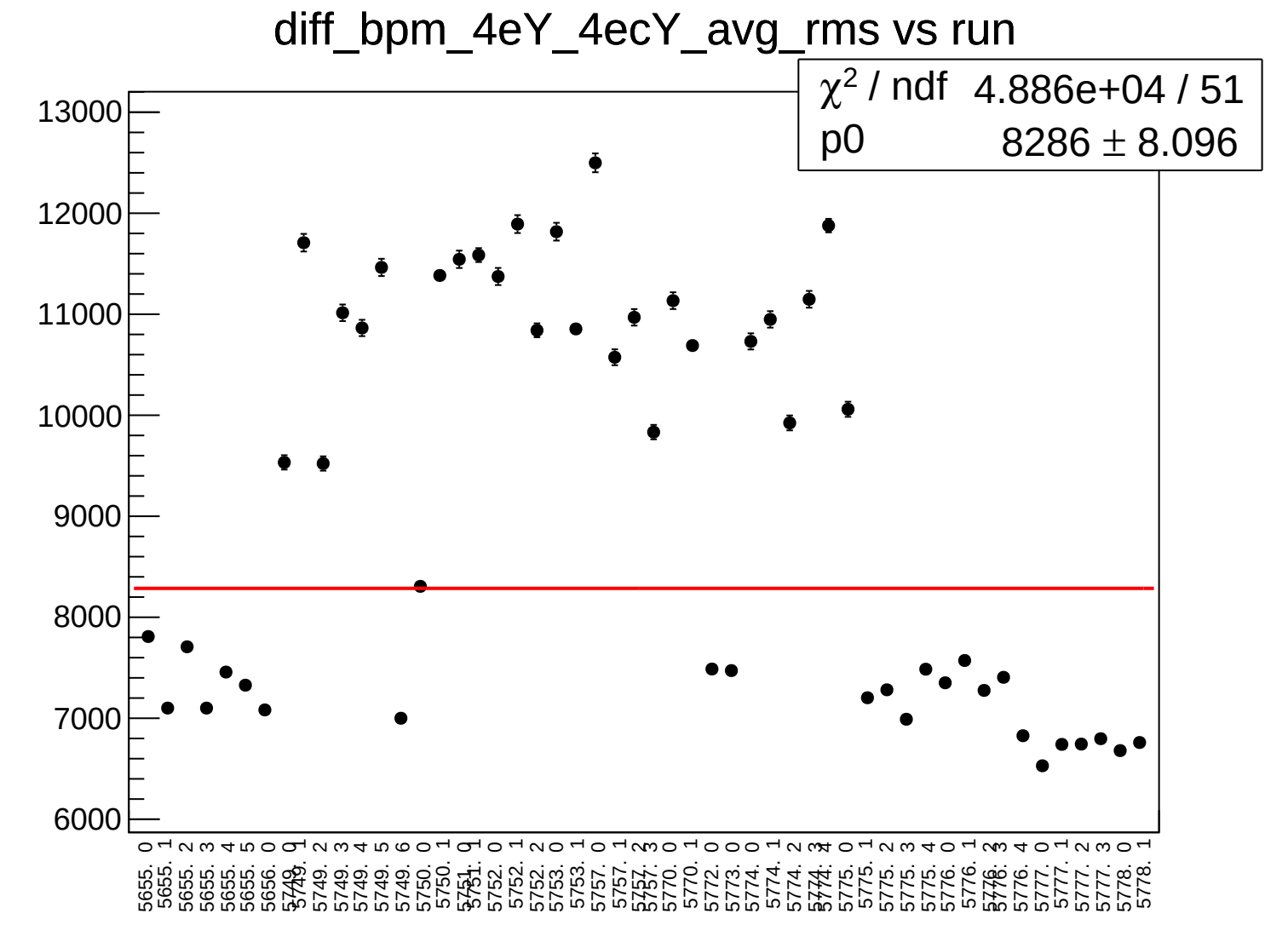
5778. 1


diff_bpm_4eY_4ecY_avg_mean vs run
χ^2 / ndf 58.47 / 51
p0 5 ± 11.45
pull
Entries 52
Mean −41.3
Std Dev 0


pull1D
Entries 52
Mean −0.01561
Std Dev 1.06


diff_bpm_4eY_4ecY_avg_rms vs run
χ² / ndf 4.886e+04 / 51
p0 8286 ± 8.096
13000
12000
11000
10000
9000
8000
7000
6000
5655. 0
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5655. 3
5655. 4
5655. 5
5656. 0
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5774. 0
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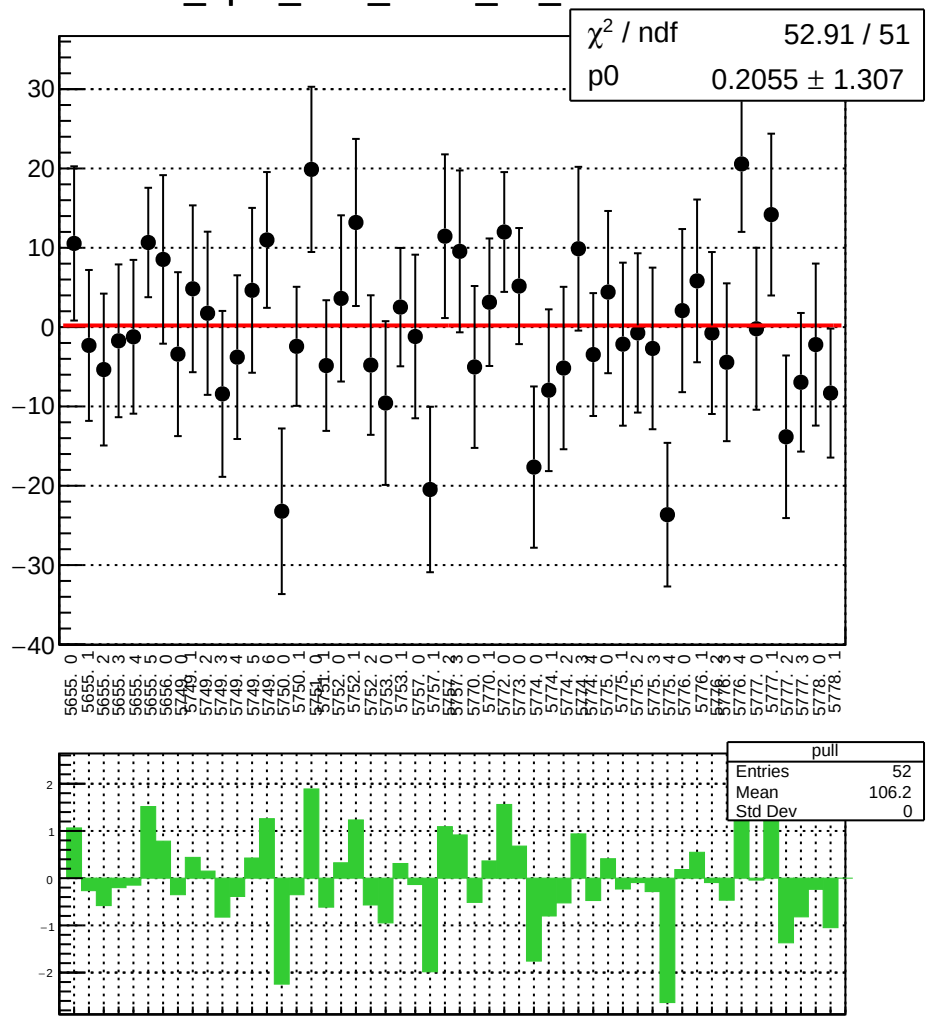
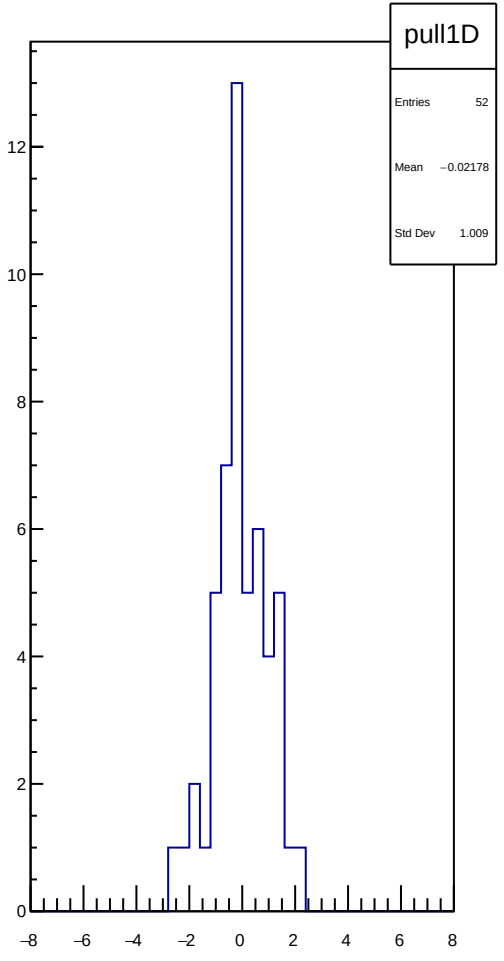
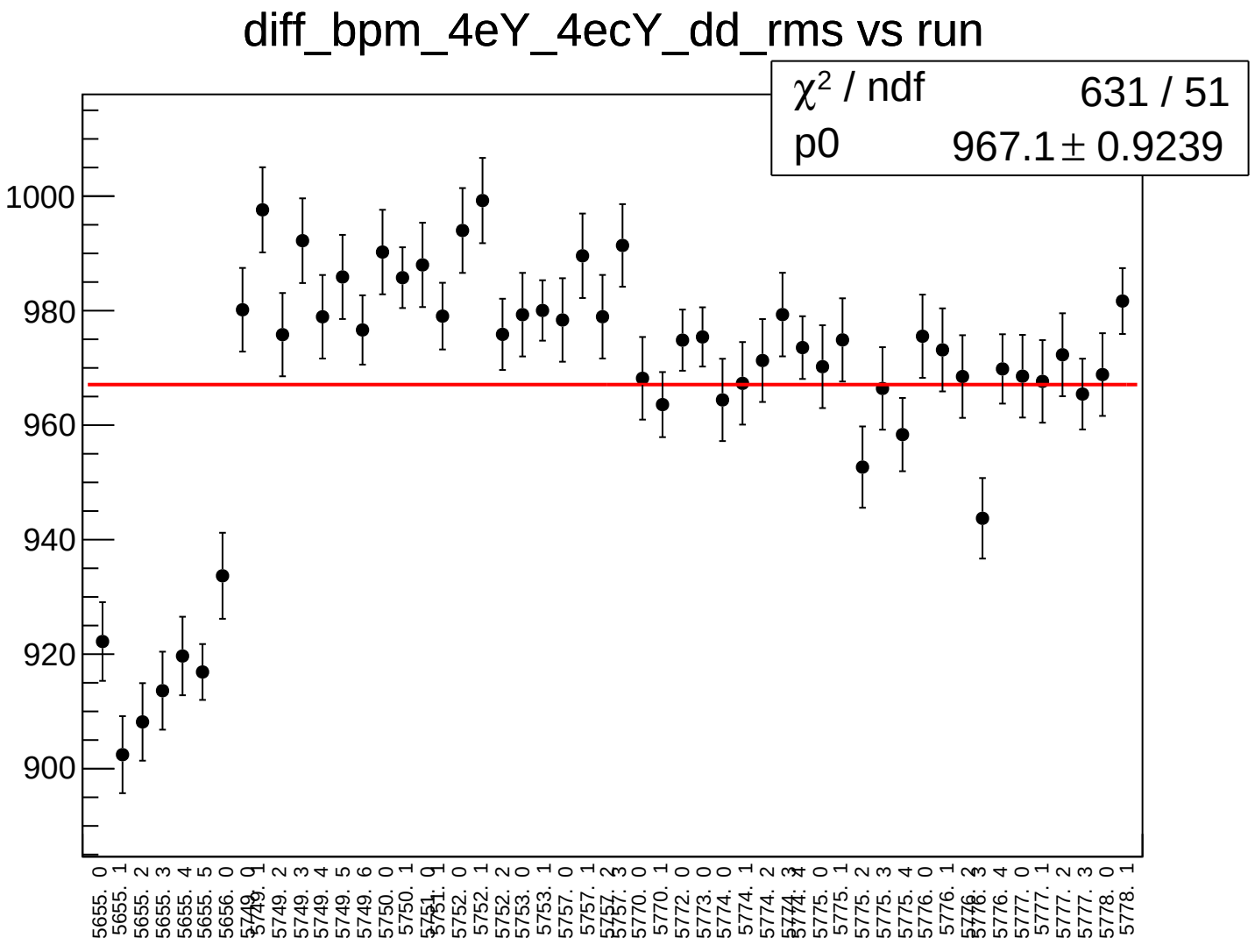
5778. 1


diff_bpm_4eY_4ecY_dd_mean vs run
χ² / ndf 52.91 / 51
p0 0.2055 ± 1.307
pull
Entries 52
Mean 106.2
Std Dev 0


pull1D
Entries 52
Mean −0.02178
Std Dev 1.009


diff_bpm_4eY_4ecY_dd_rms vs run
χ² / ndf 631 / 51
p0 967.1 ± 0.9239
1000
980
960
940
920
900
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
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5749. 6
5750. 0
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5774. 1
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5775. 4
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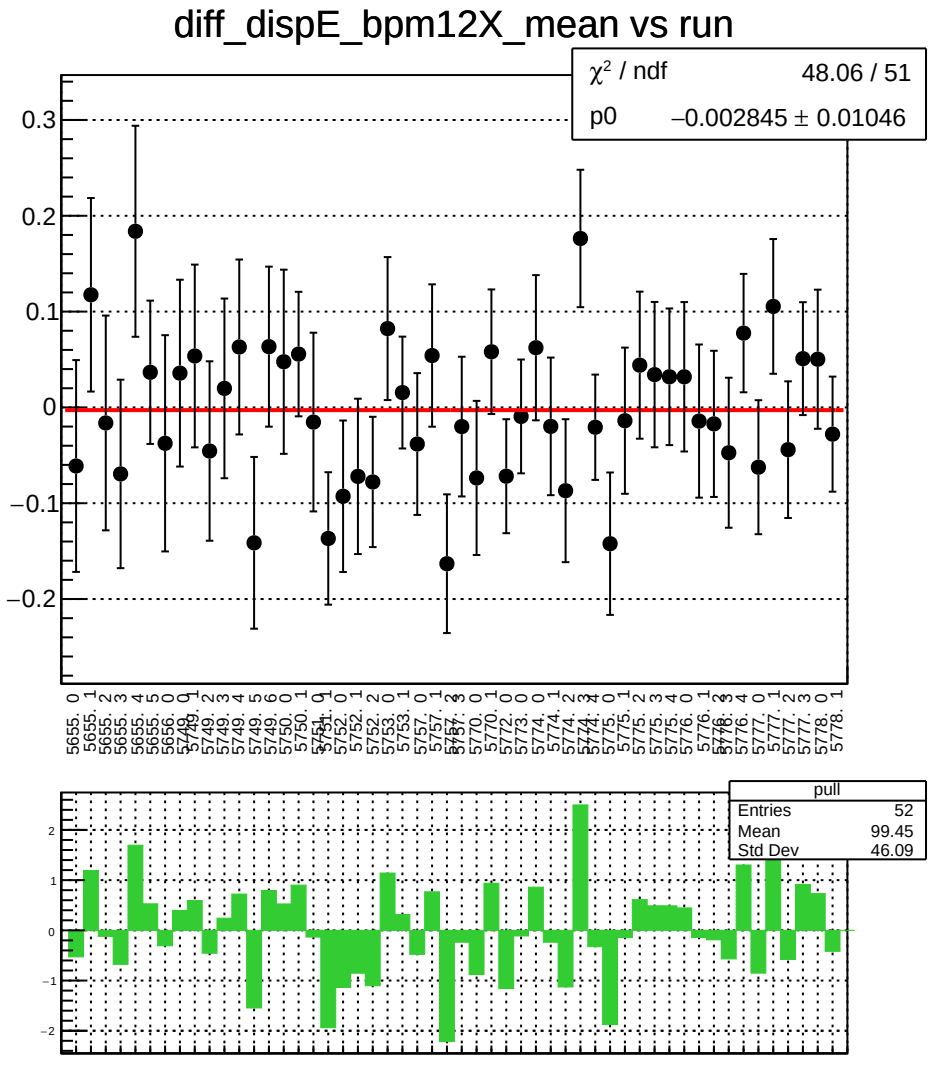
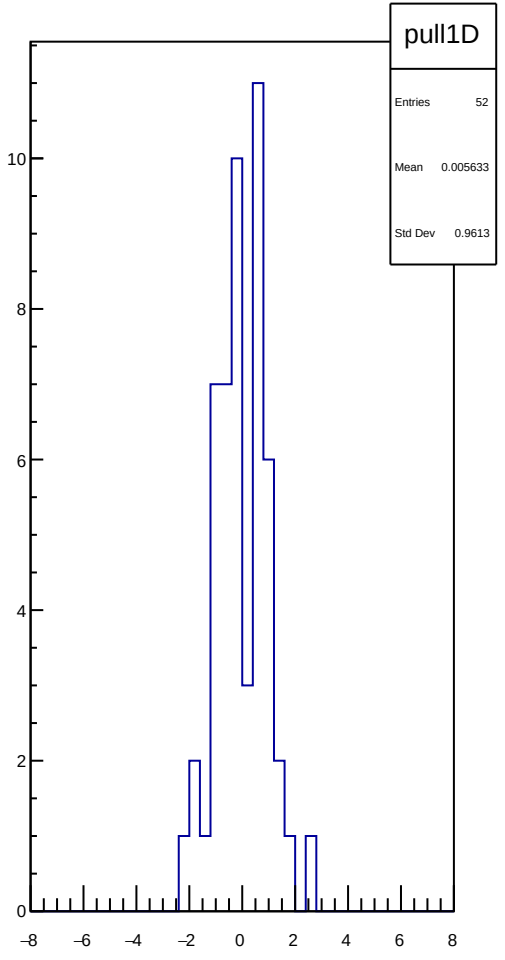
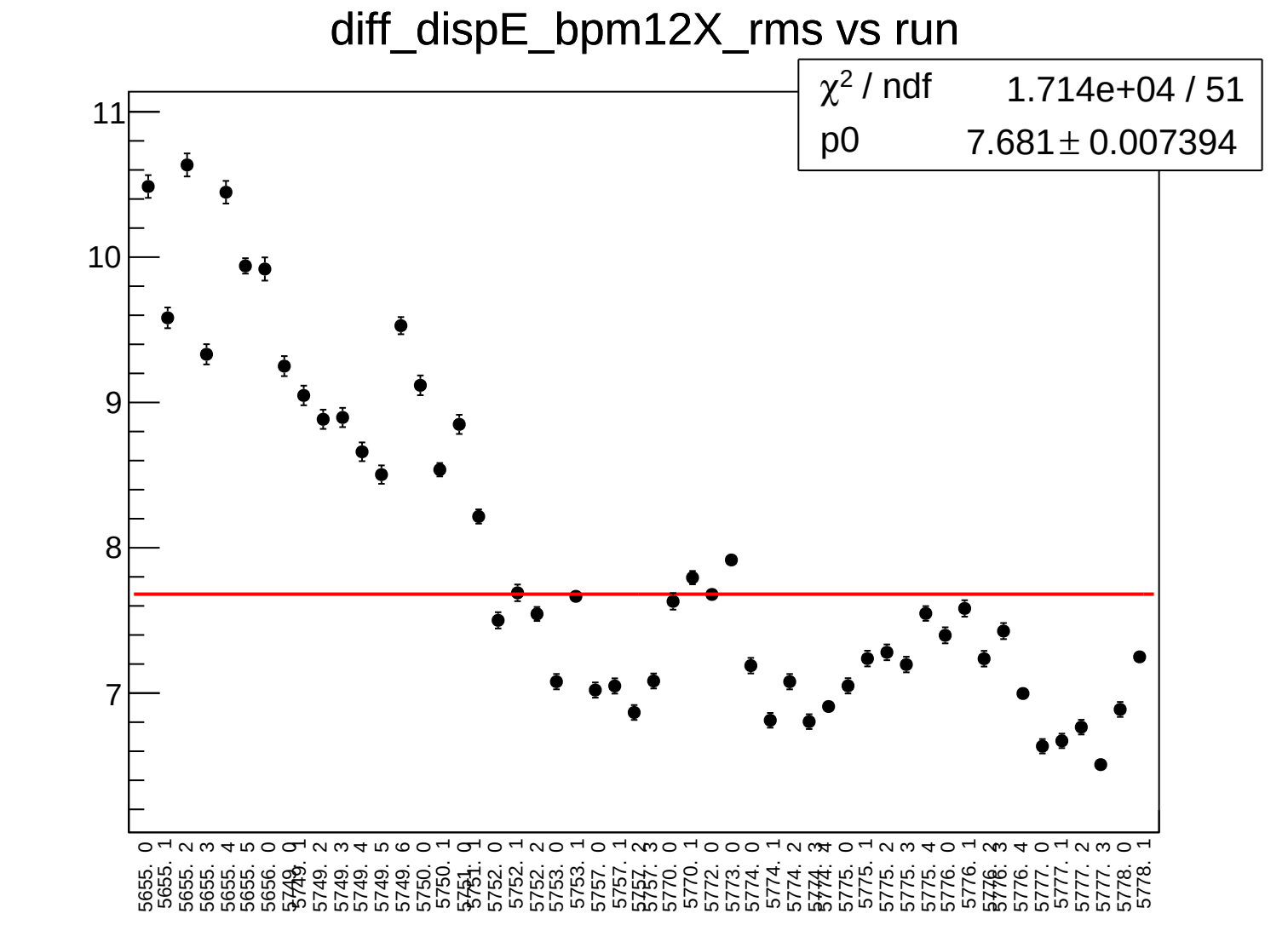

diff_dispE_bpm12X_mean vs run
χ² / ndf 48.06 / 51
p0 −0.002845 ± 0.01046
pull
Entries 52
Mean 99.45
Std Dev 46.09


pull1D
Entries 52
Mean 0.005633
Std Dev 0.9613


diff_dispE_bpm12X_rms vs run
χ^2 / ndf 1.714e+04 / 51
p0 7.681 ± 0.007394
11
10
9
8
7
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
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5749. 5
5749. 6
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5750. 1
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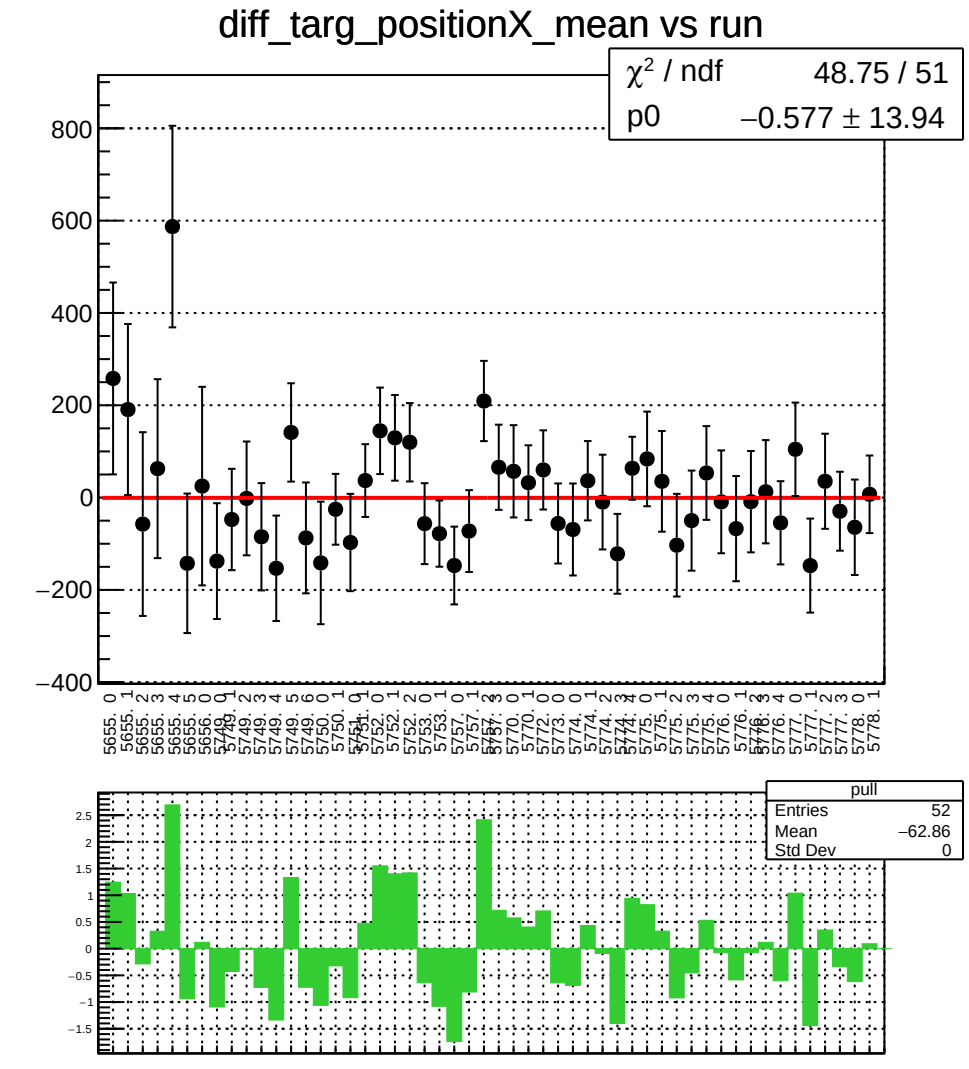
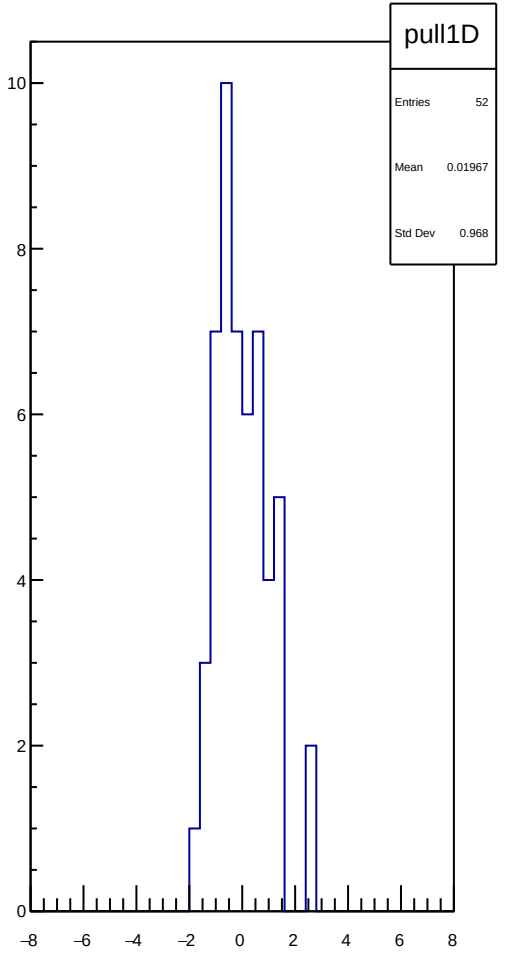
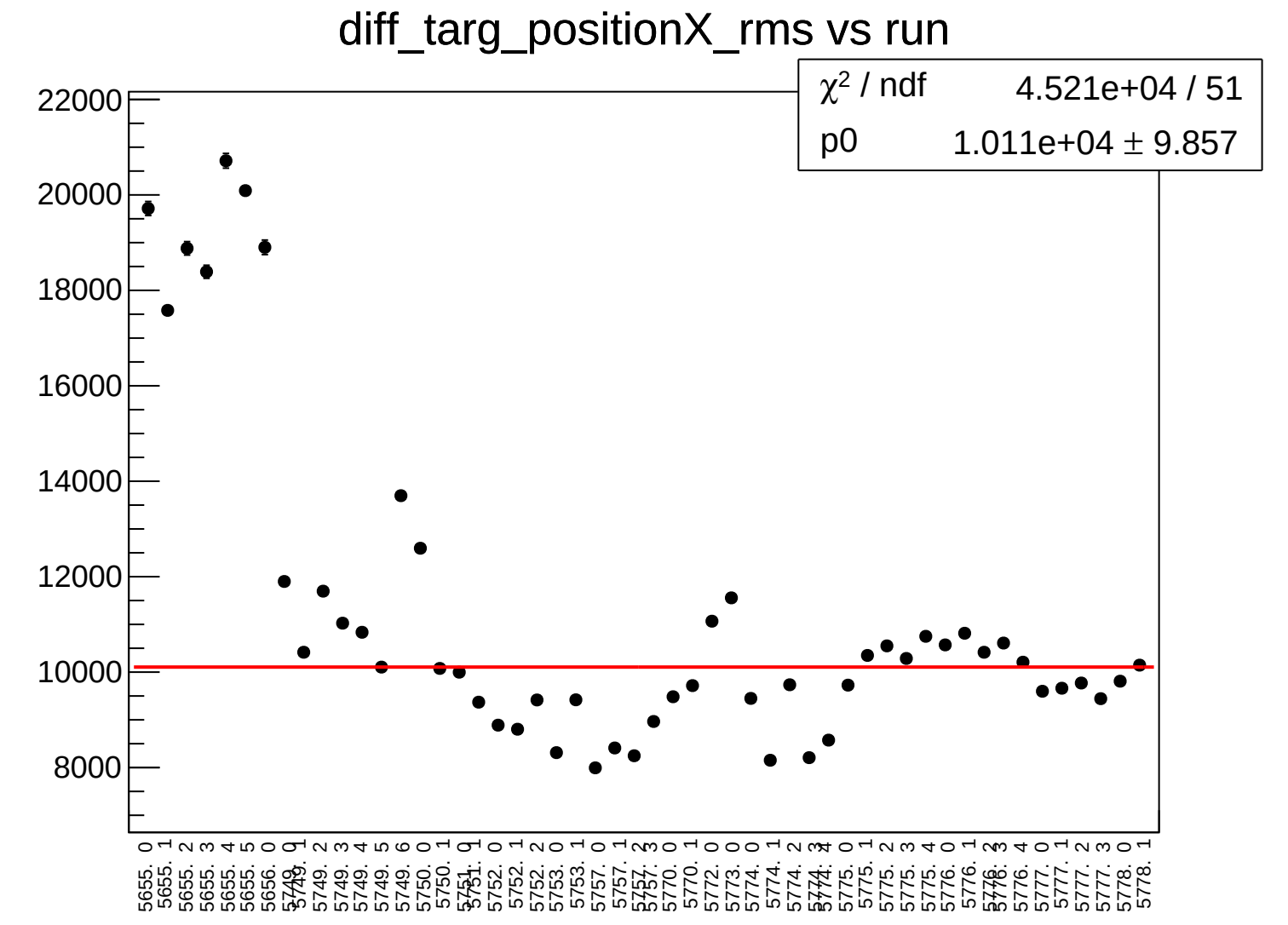
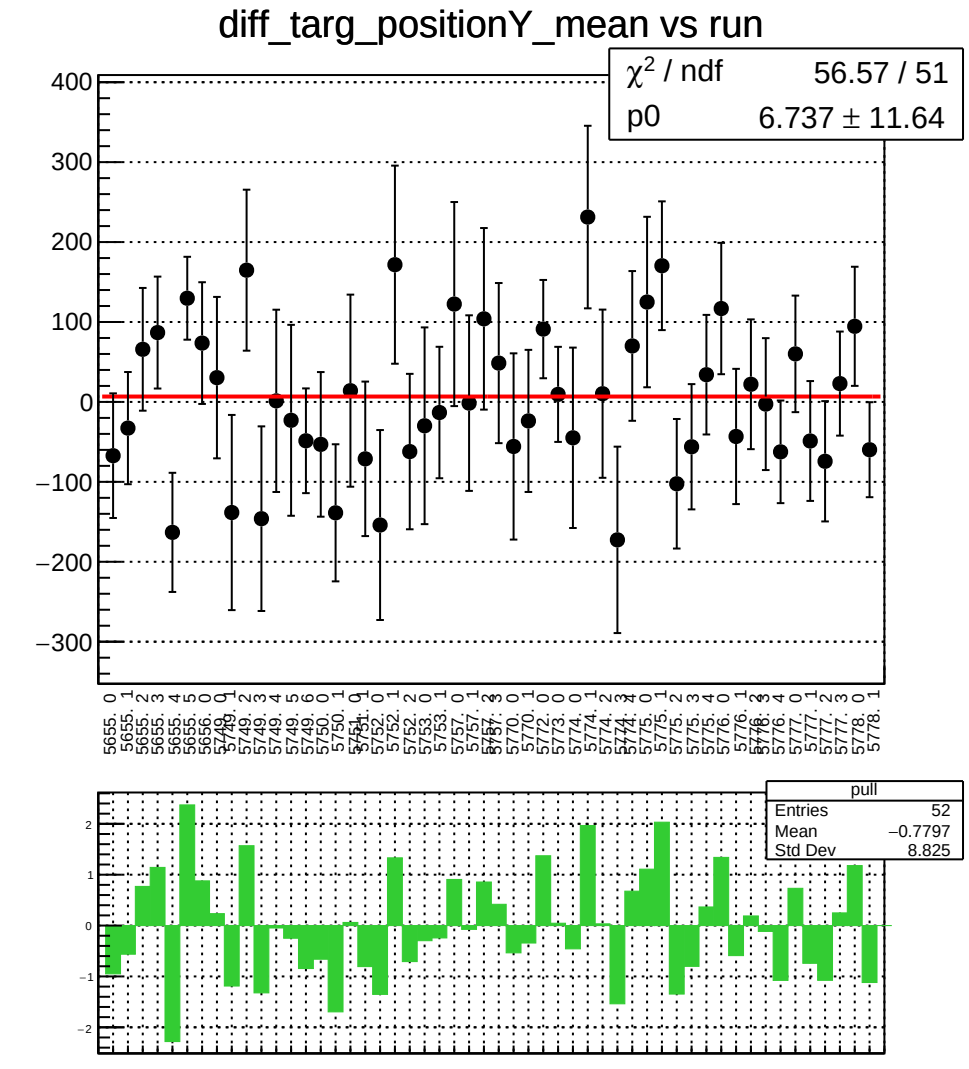
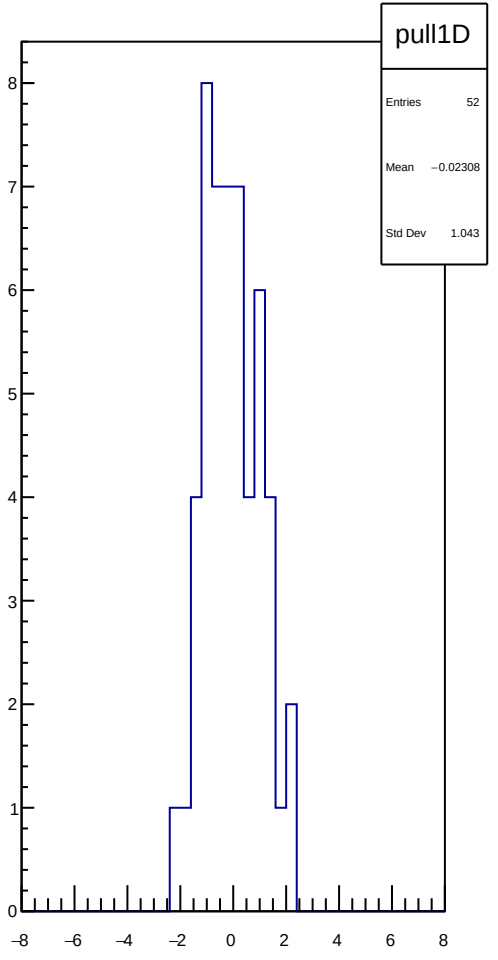
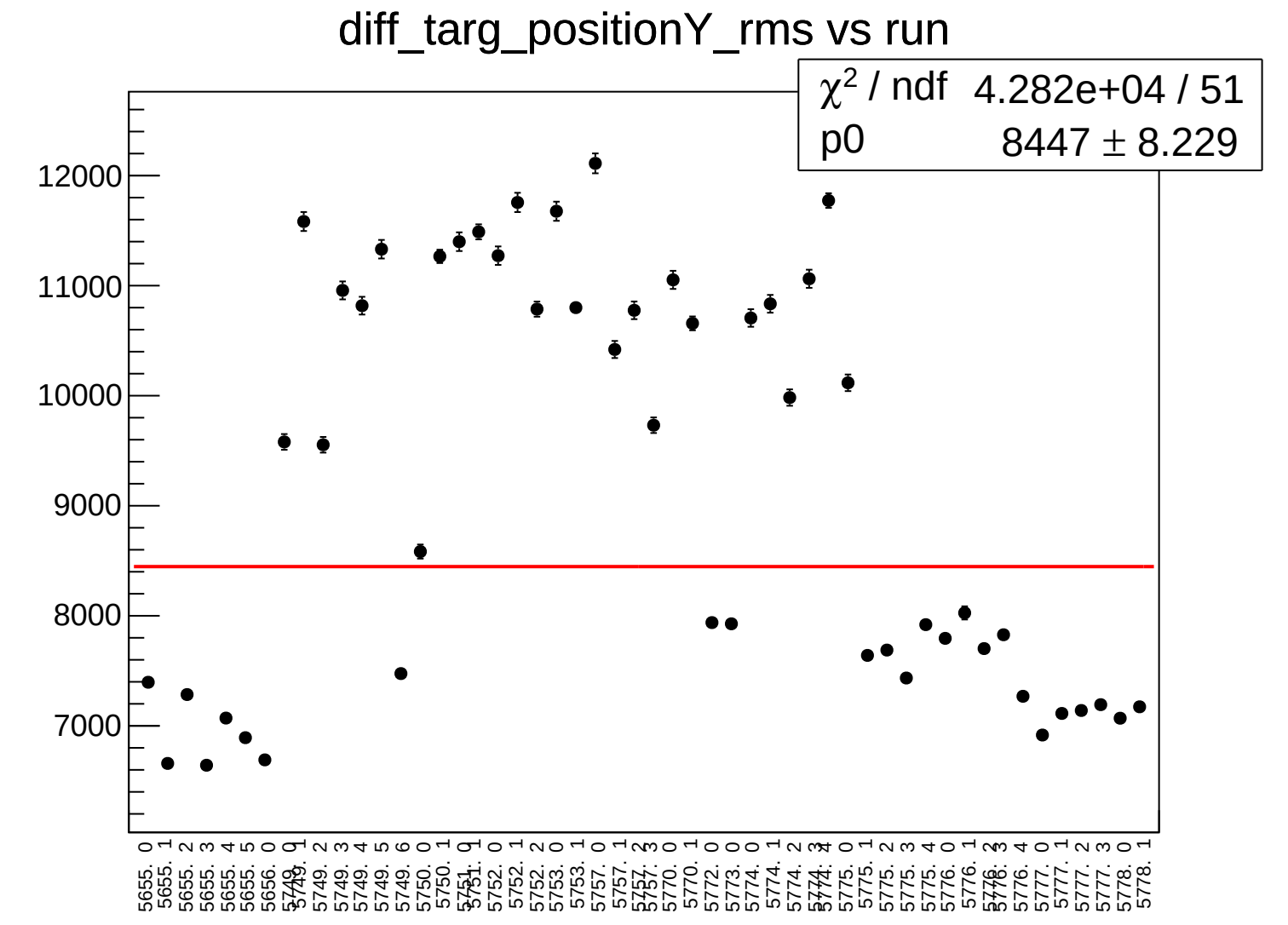

diff_targ_positionX_mean vs run
χ² / ndf 48.75 / 51
p0 −0.577 ± 13.94
pull
Entries 52
Mean −62.86
Std Dev 0

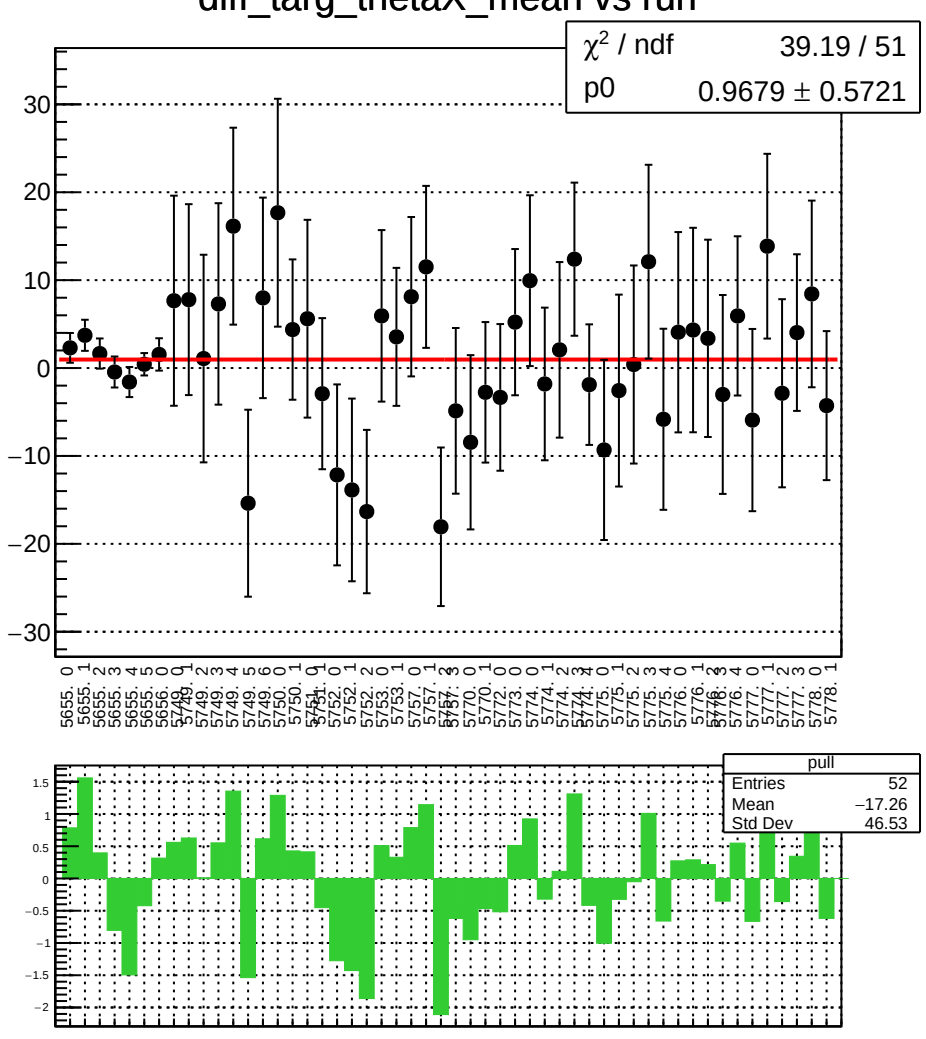

pull1D
Entries 52
Mean 0.01967
Std Dev 0.968

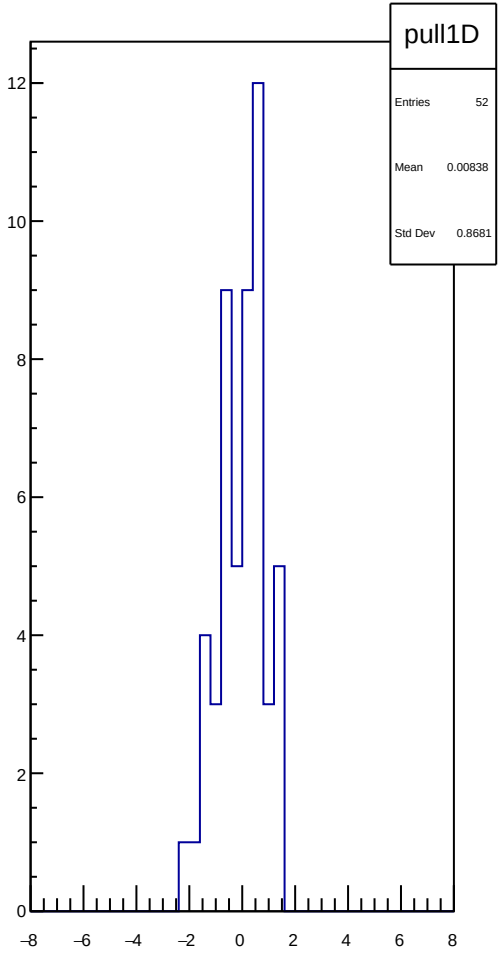

diff_targ_positionX_rms vs run
χ² / ndf 4.521e+04 / 51
p0 1.011e+04 ± 9.857
22000
20000
18000
16000
14000
12000
10000
8000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

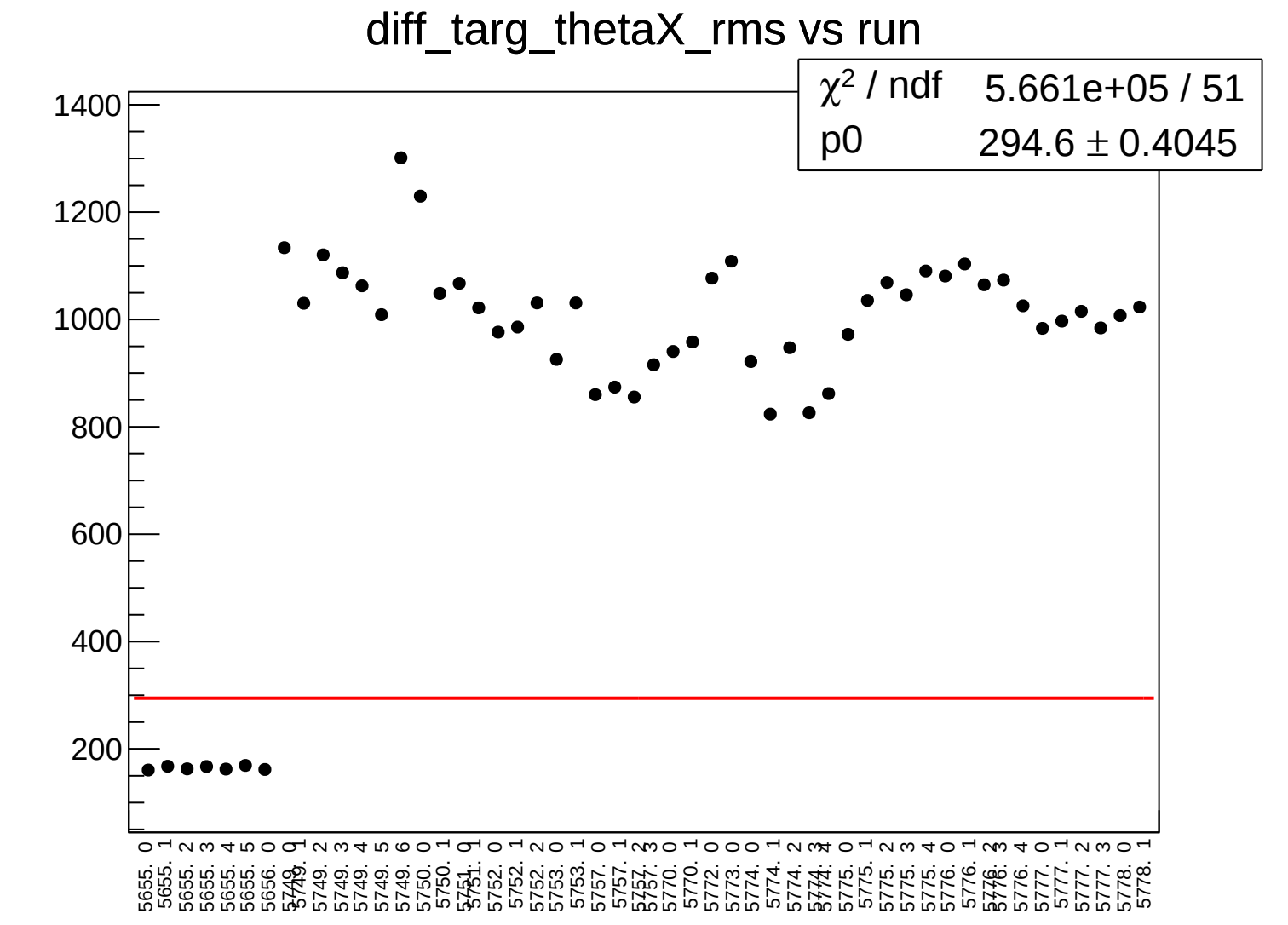

diff_targ_positionY_mean vs run
χ² / ndf 56.57 / 51
p0 6.737 ± 11.64
pull
Entries 52
Mean −0.7797
Std Dev 8.825

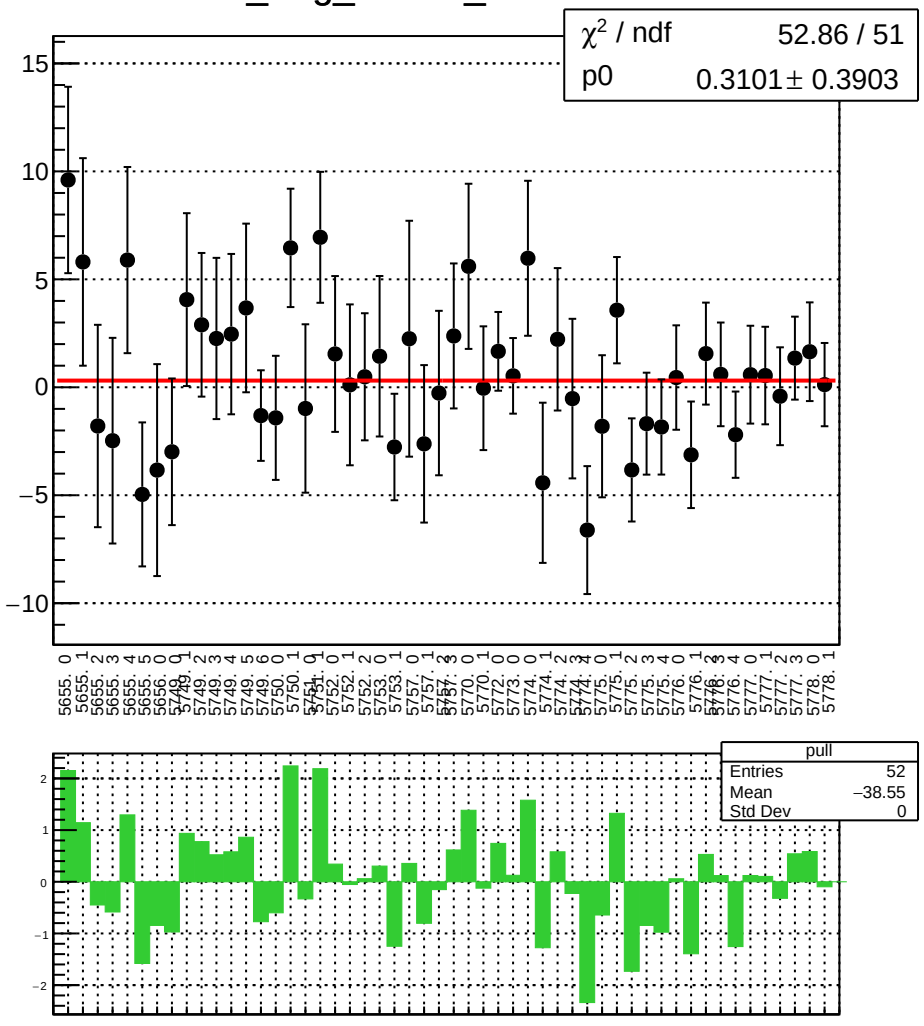

pull1D
Entries 52
Mean −0.02308
Std Dev 1.043

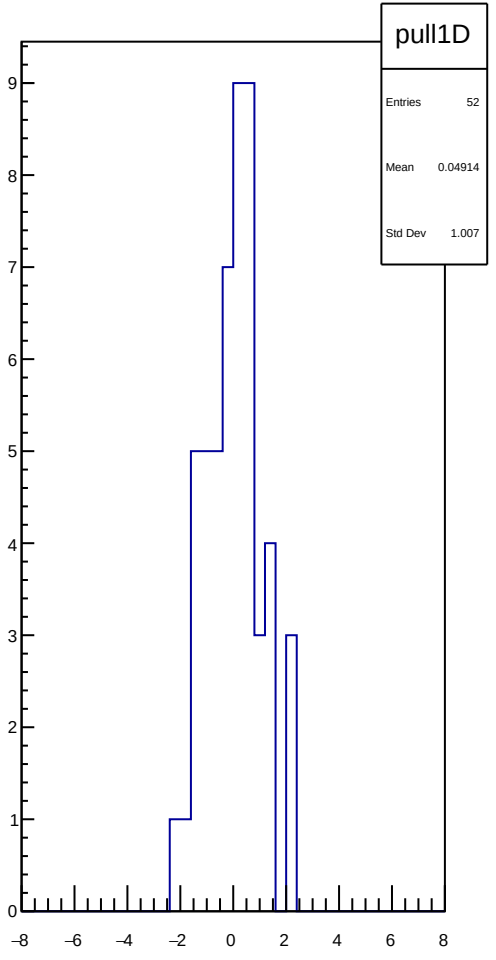

diff_targ_positionY_rms vs run
χ² / ndf 4.282e+04 / 51
p0 8447 ± 8.229
12000
11000
10000
9000
8000
7000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

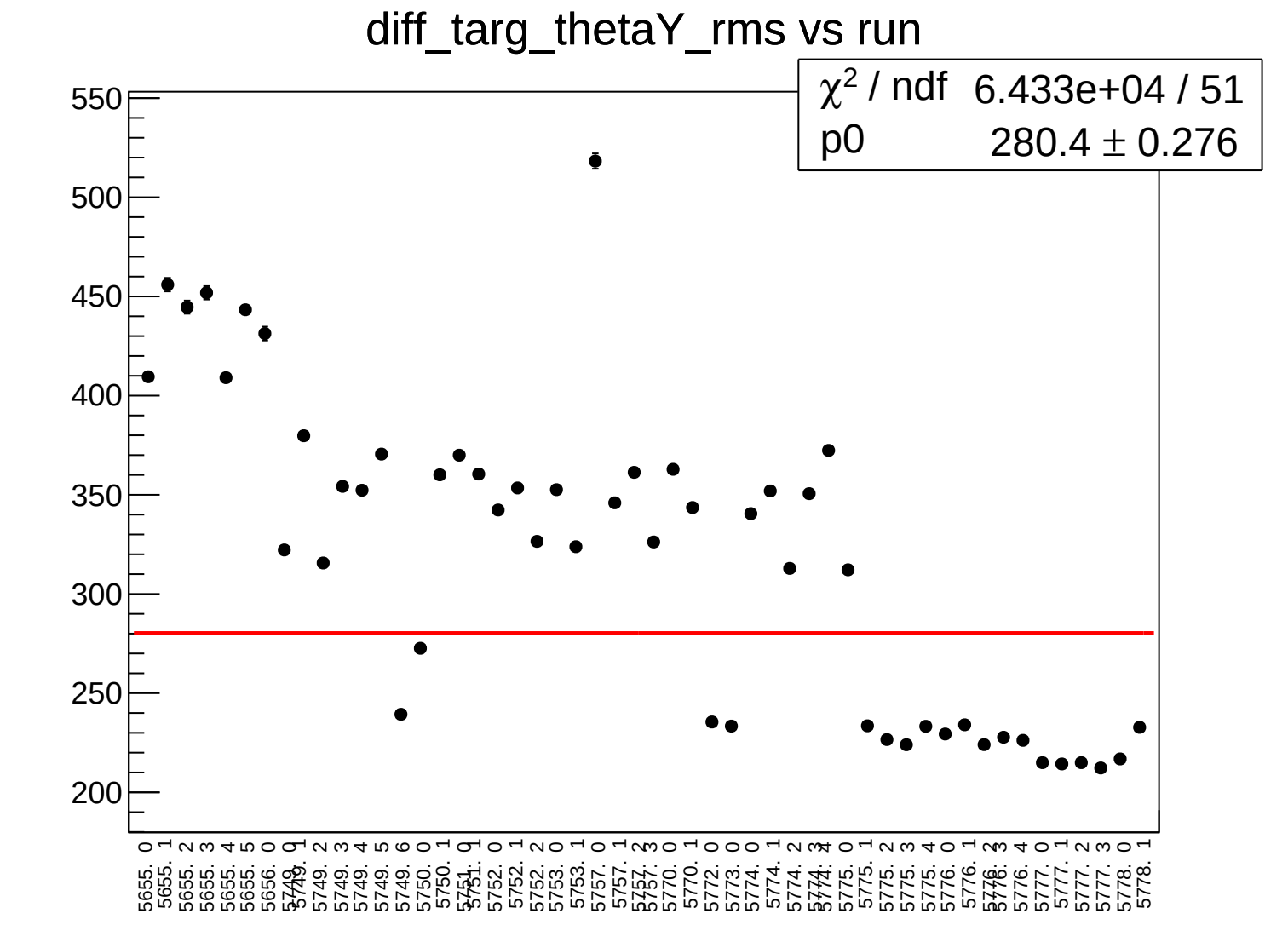

diff_targ_thetaX_mean vs run
χ² / ndf 39.19 / 51
p0 0.9679 ± 0.5721
pull
Entries 52
Mean −17.26
Std Dev 46.53

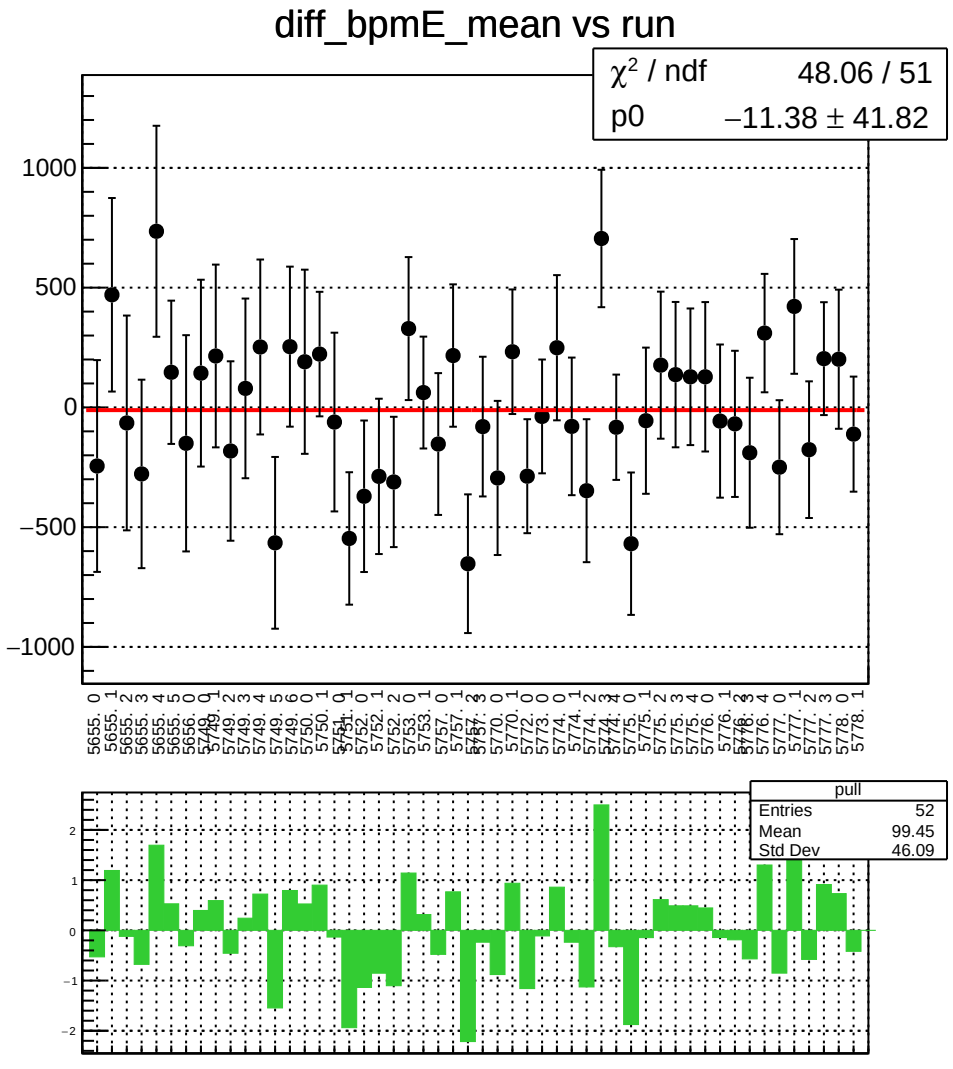

pull1D
Entries 52
Mean 0.00838
Std Dev 0.8681

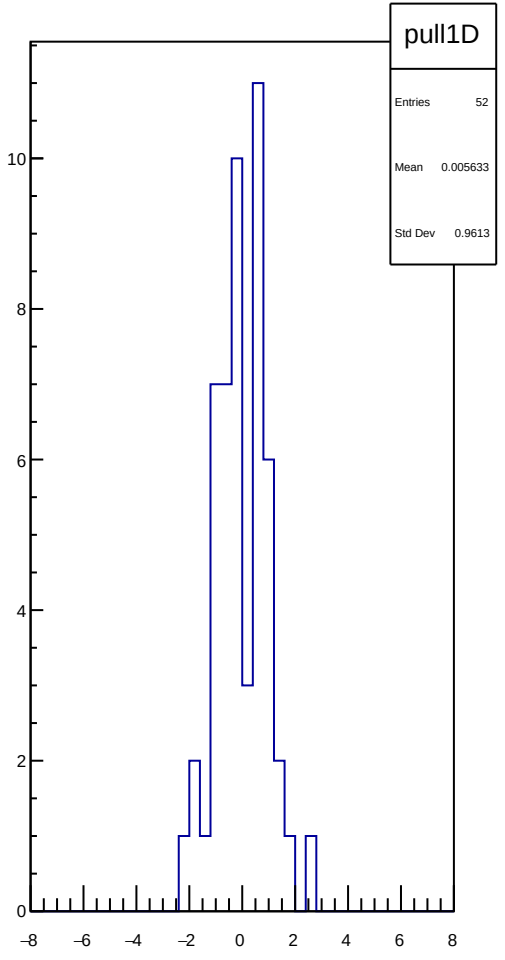

diff_targ_thetaX_rms vs run
χ² / ndf 5.661e+05 / 51
p0 294.6 ± 0.4045
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

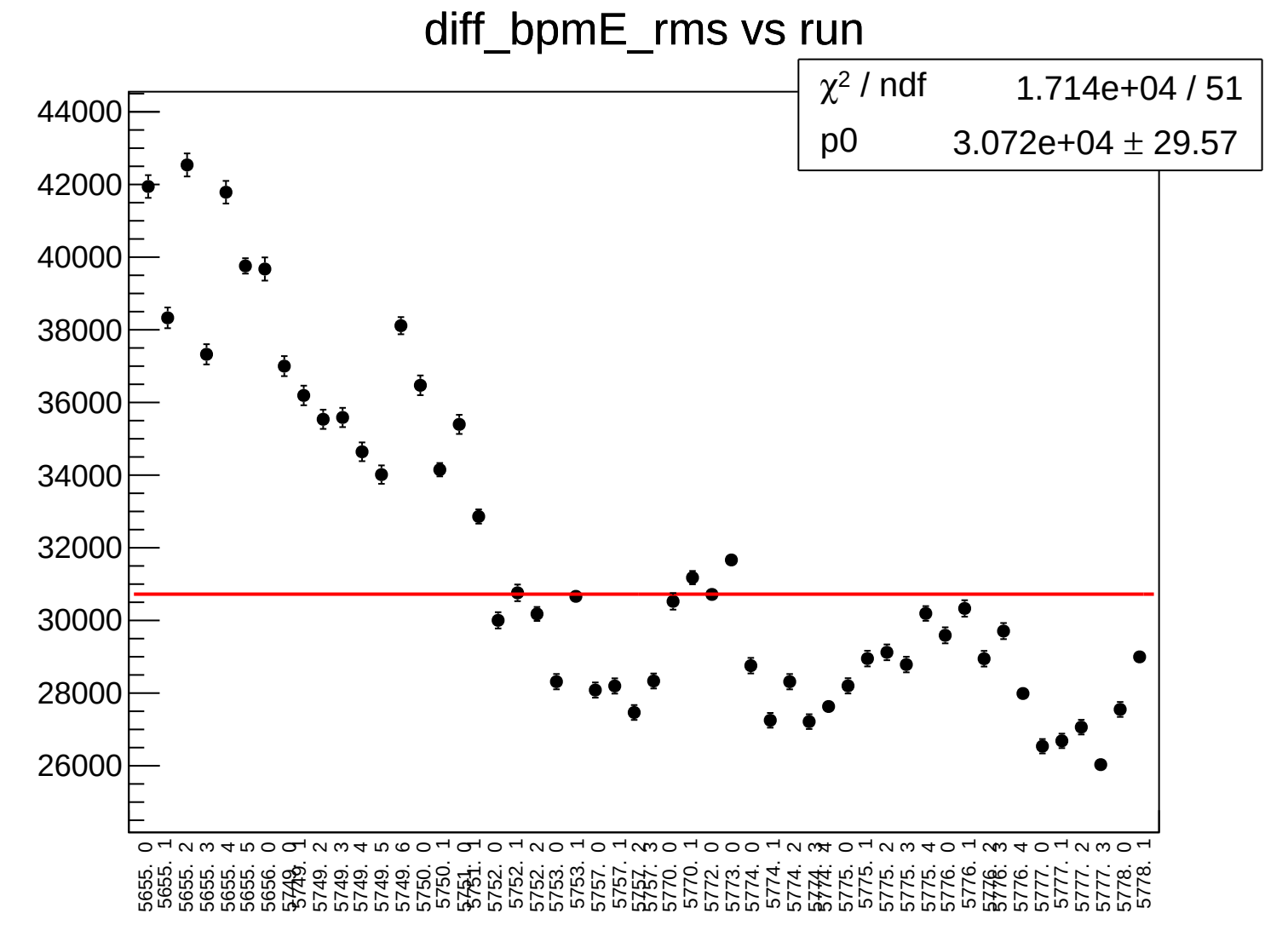

diff_targ_thetaY_mean vs run
χ² / ndf 52.86 / 51
p0 0.3101± 0.3903
pull
Entries 52
Mean −38.55
Std Dev 0

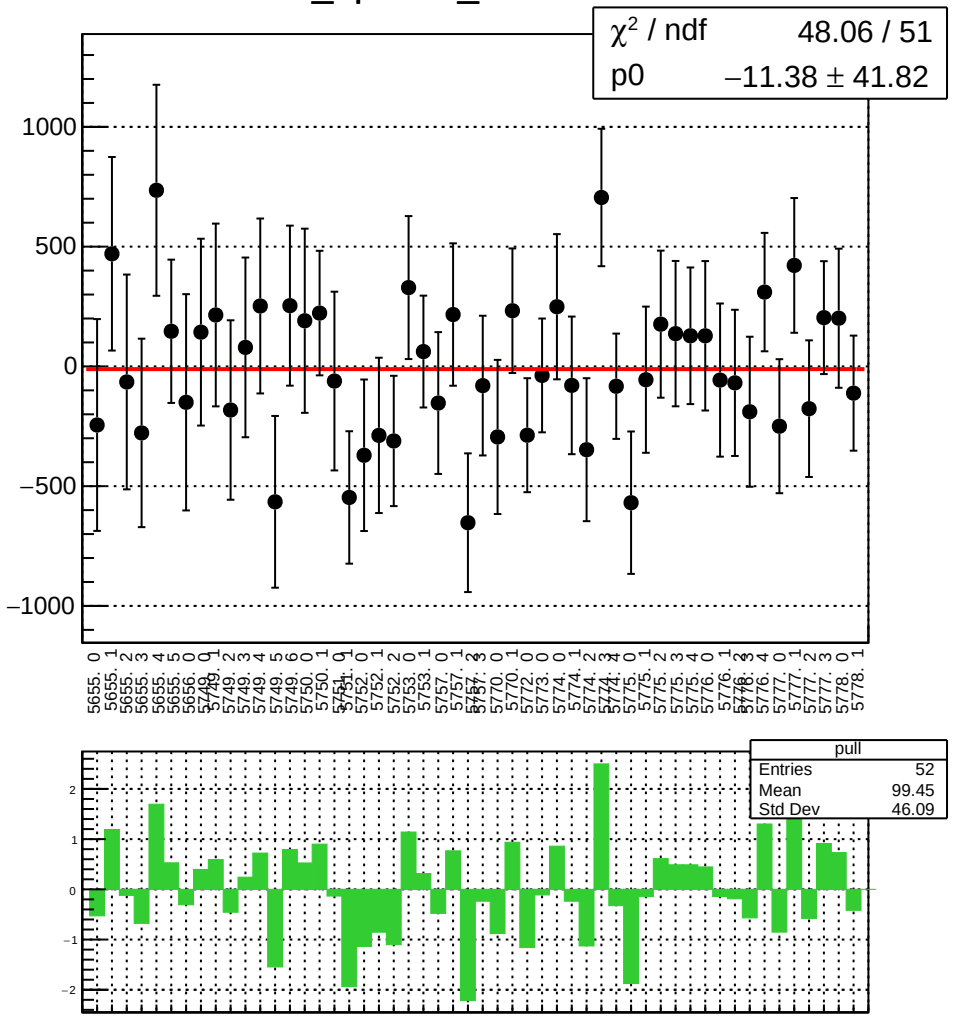

pull1D
Entries 52
Mean 0.04914
Std Dev 1.007

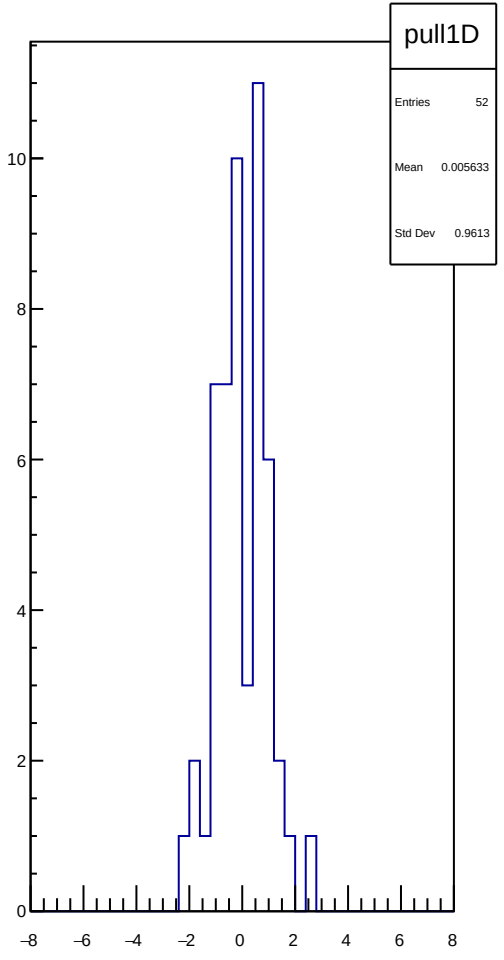

diff_targ_thetaY_rms vs run
χ² / ndf 6.433e+04 / 51
p0 280.4 ± 0.276
550
500
450
400
350
300
250
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

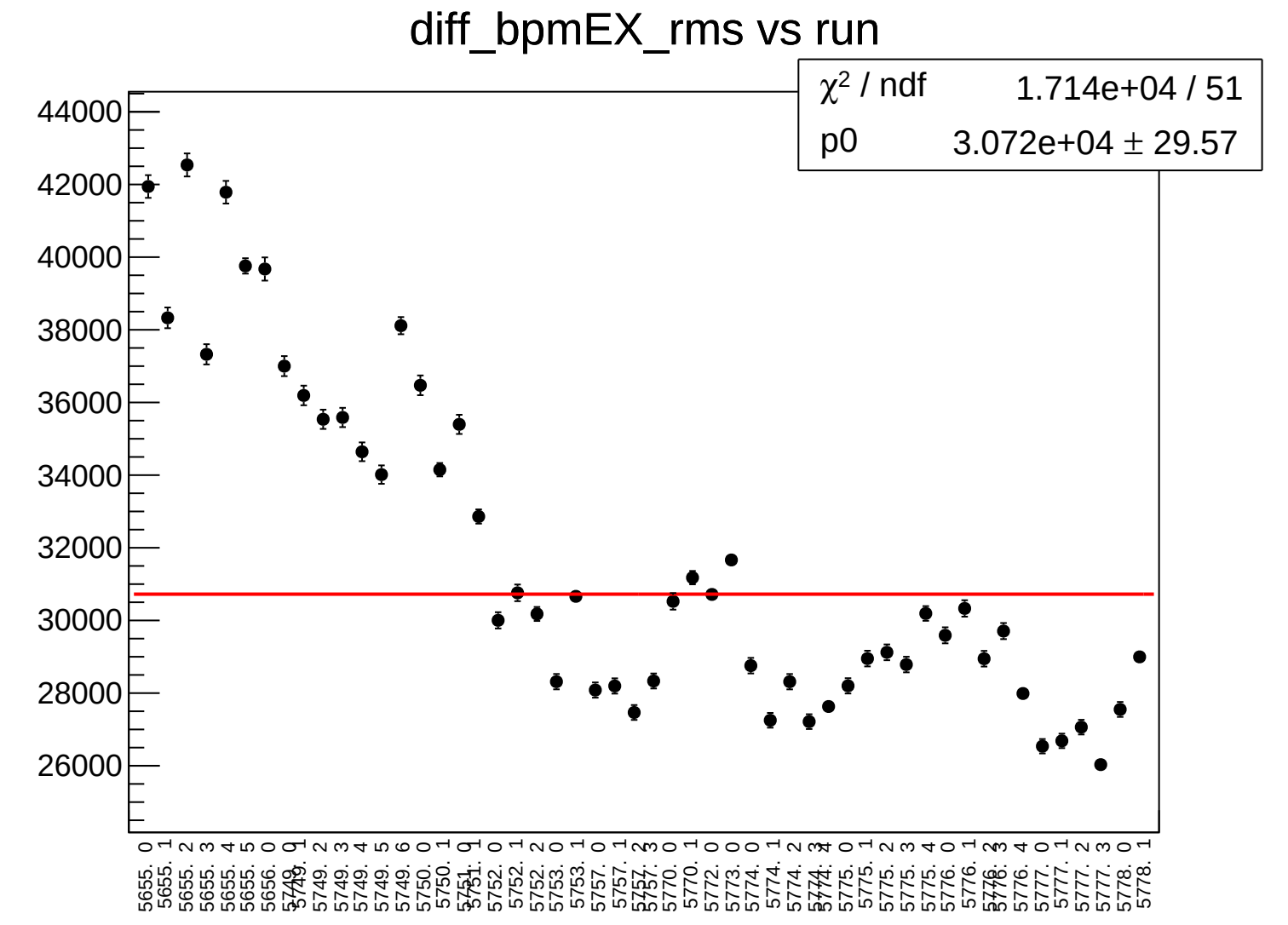

diff_bpmE_mean vs run
χ² / ndf 48.06 / 51
p0 −11.38 ± 41.82
1000
500
0
−500
−1000
pull
Entries 52
Mean 99.45
Std Dev 46.09
2
1
0
−1
−2

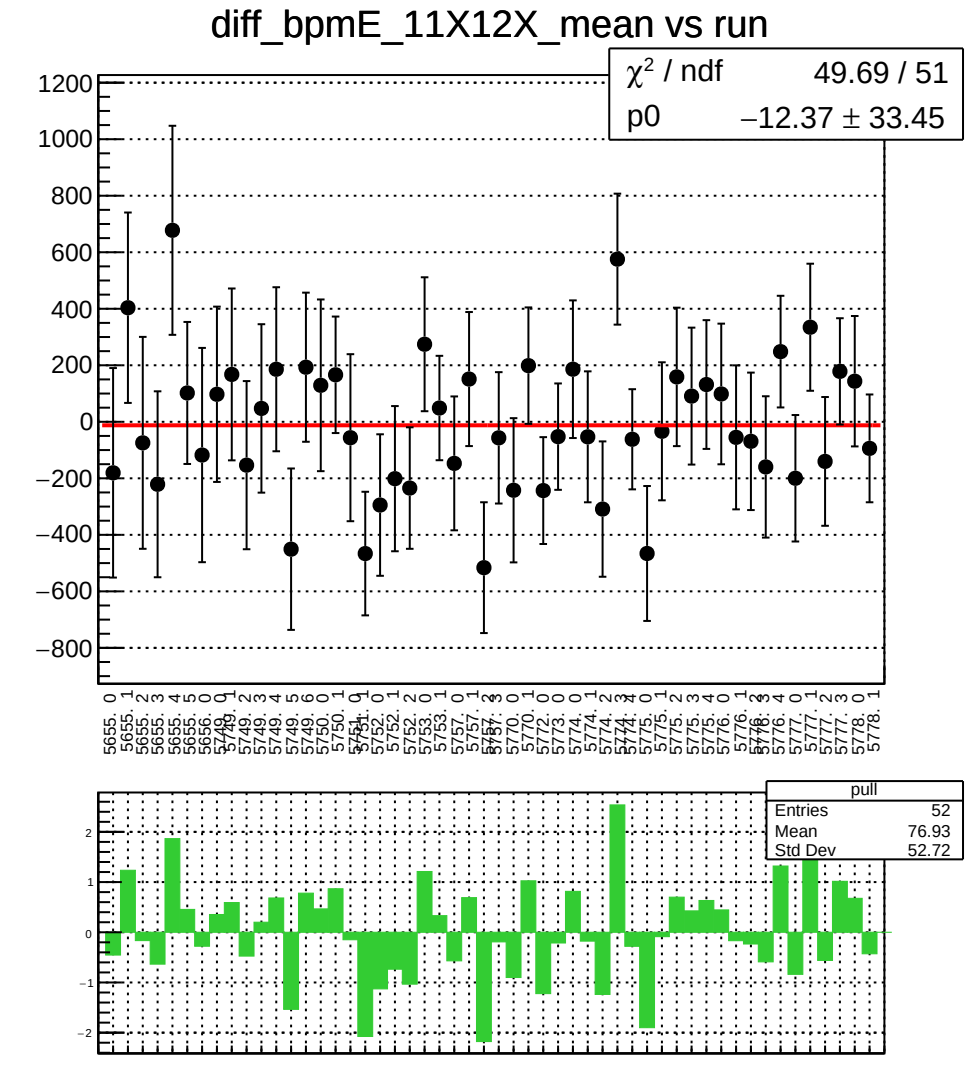

pull1D
Entries 52
Mean 0.005633
Std Dev 0.9613
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

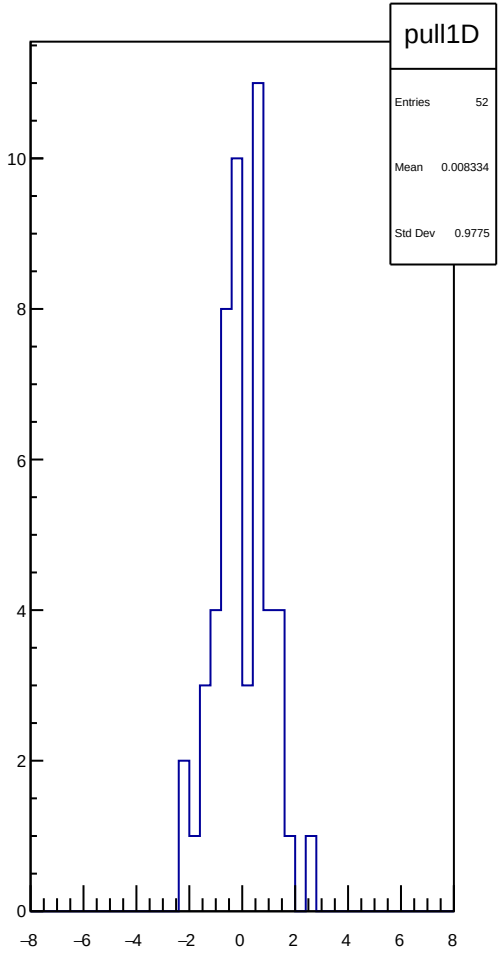

diff_bpmE_rms vs run
χ² / ndf 1.714e+04 / 51
p0 3.072e+04 ± 29.57
44000
42000
40000
38000
36000
34000
32000
30000
28000
26000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

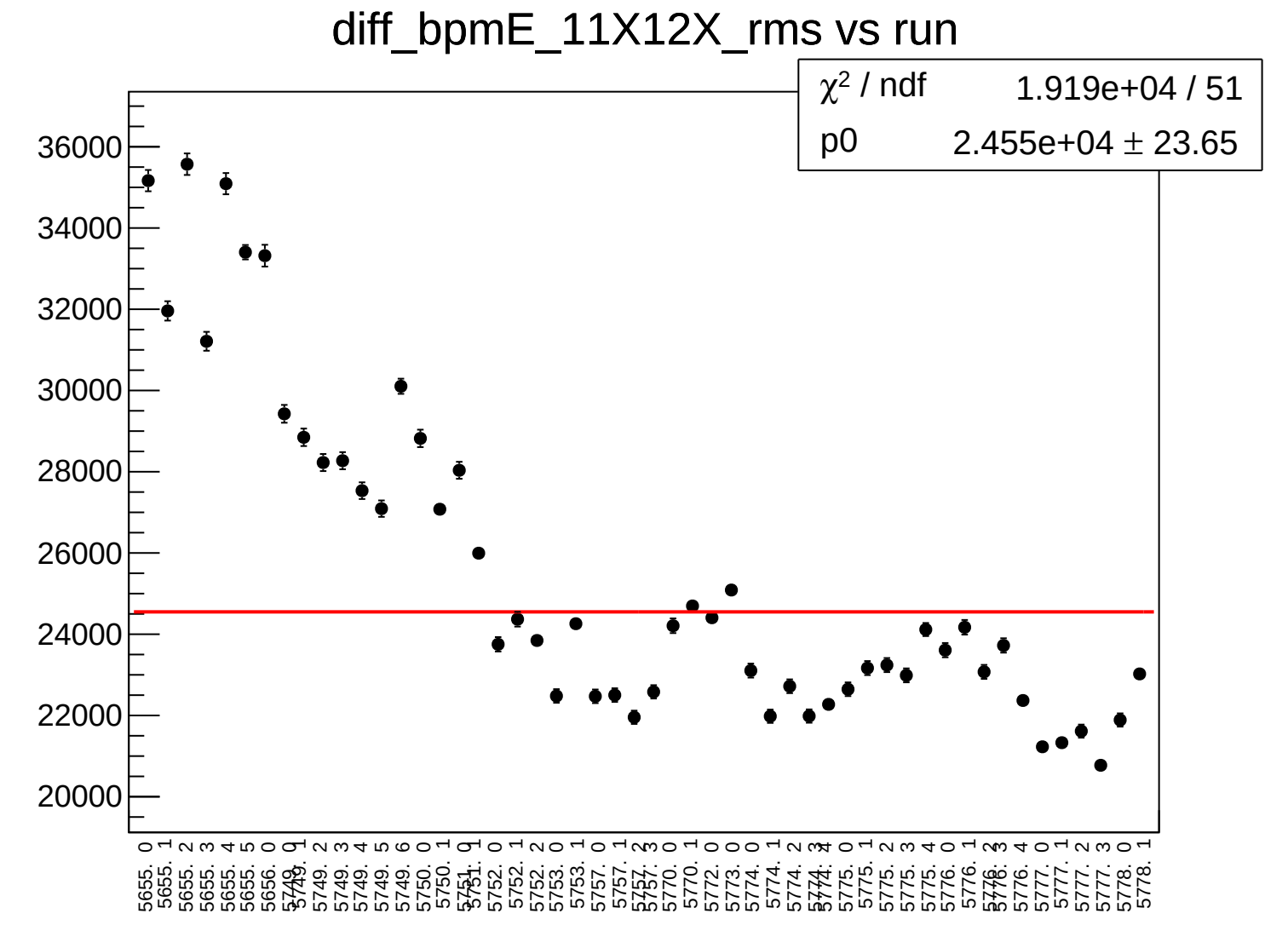

diff_bpmEX_mean vs run
χ² / ndf 48.06 / 51
p0 −11.38 ± 41.82
1000
500
0
−500
−1000
pull
Entries 52
Mean 99.45
Std Dev 46.09
2
1
0
−1
−2

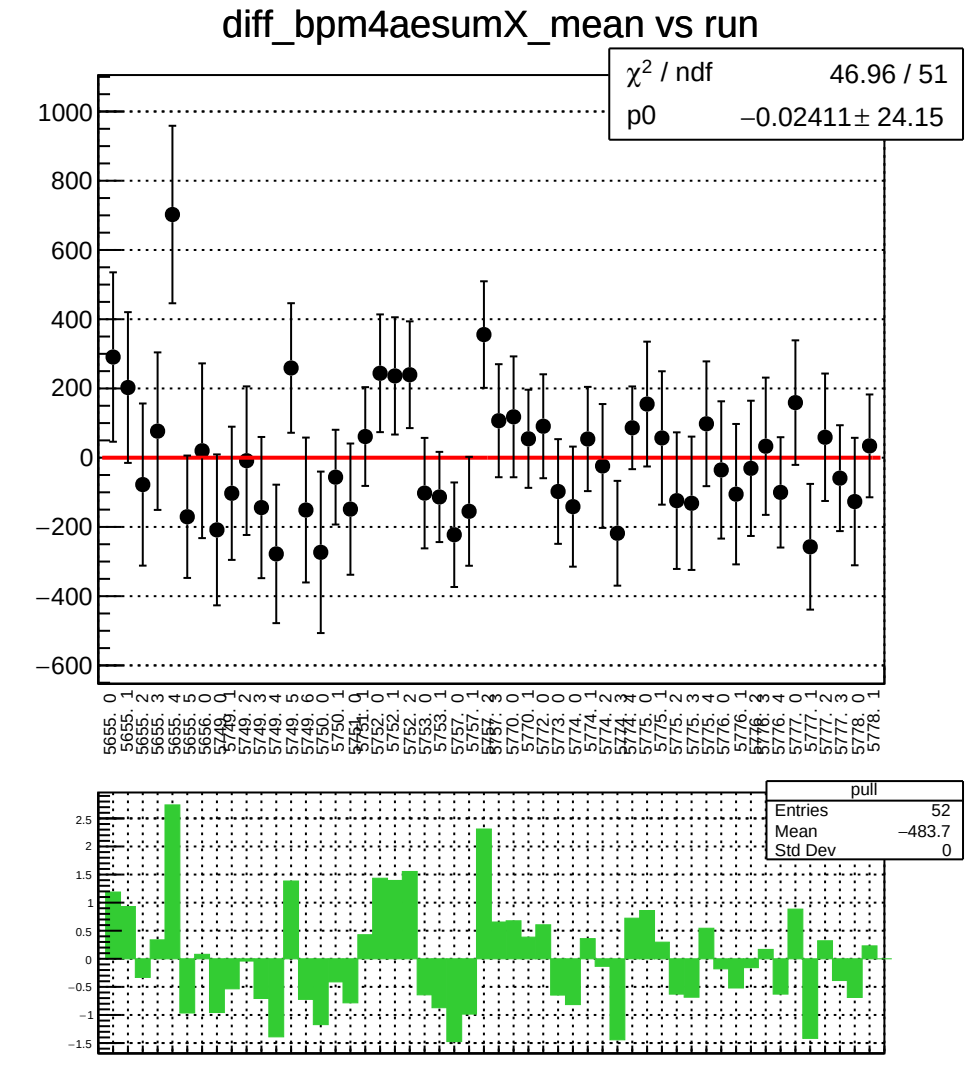

pull1D
Entries 52
Mean 0.005633
Std Dev 0.9613
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

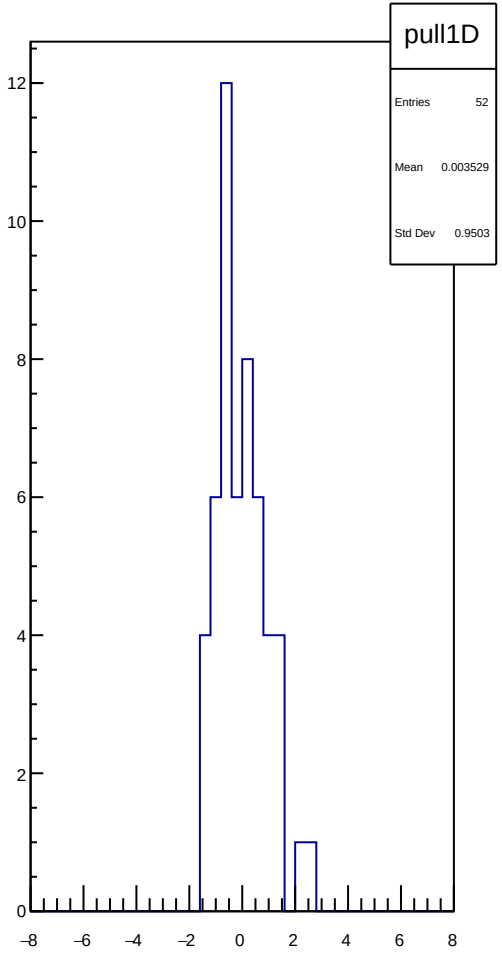

diff_bpmEX_rms vs run
χ² / ndf 1.714e+04 / 51
p0 3.072e+04 ± 29.57
44000
42000
40000
38000
36000
34000
32000
30000
28000
26000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

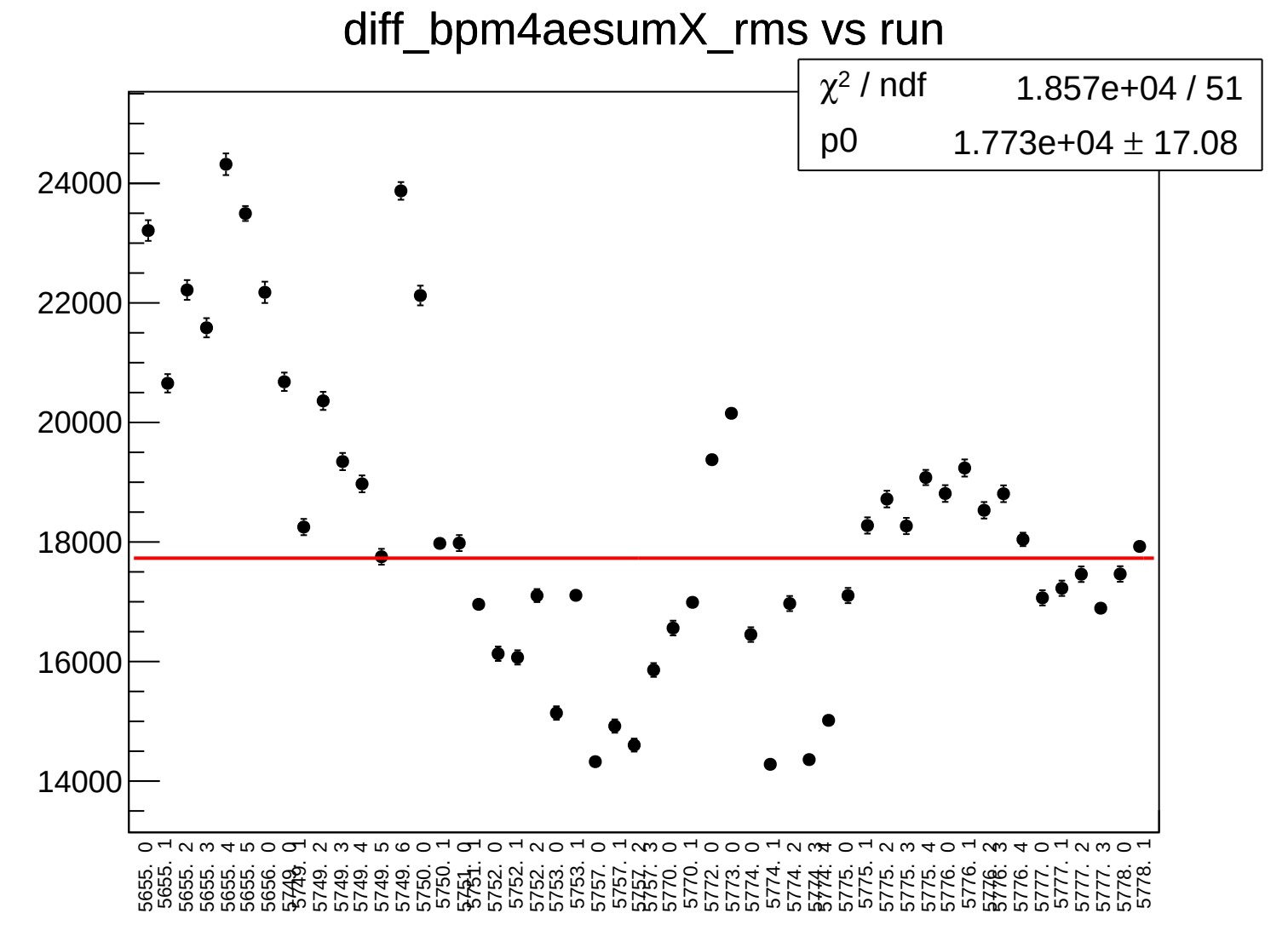

diff_bpmE_11X12X_mean vs run
χ² / ndf 49.69 / 51
p0 −12.37 ± 33.45
pull
Entries 52
Mean 76.93
Std Dev 52.72


pull1D
Entries 52
Mean 0.008334
Std Dev 0.9775


diff_bpmE_11X12X_rms vs run
χ² / ndf 1.919e+04 / 51
p0 2.455e+04 ± 23.65
36000
34000
32000
30000
28000
26000
24000
22000
20000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


diff_bpm4aesumX_mean vs run
χ² / ndf 46.96 / 51
p0 −0.02411 ± 24.15
pull
Entries 52
Mean −483.7
Std Dev 0


pull1D
Entries 52
Mean 0.003529
Std Dev 0.9503


diff_bpm4aesumX_rms vs run
χ² / ndf 1.857e+04 / 51
p0 1.773e+04 ± 17.08
24000
22000
20000
18000
16000
14000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
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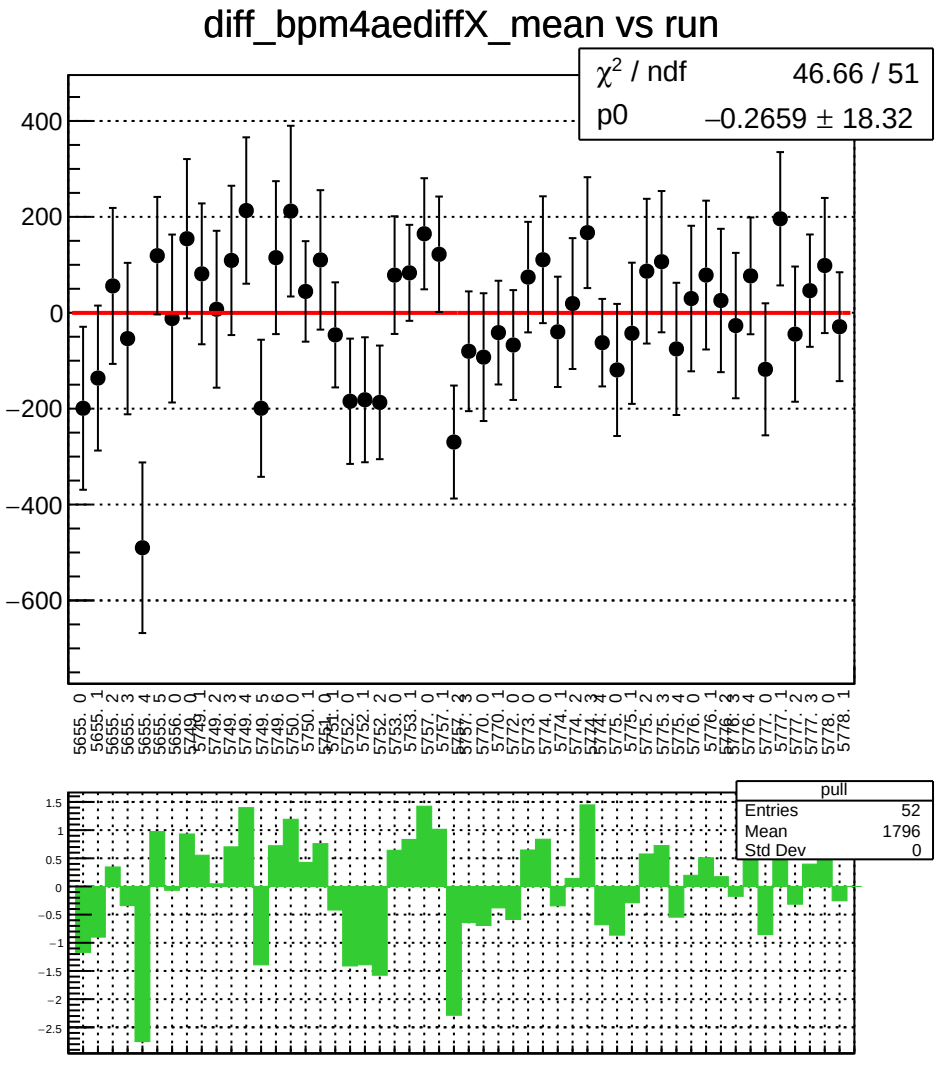
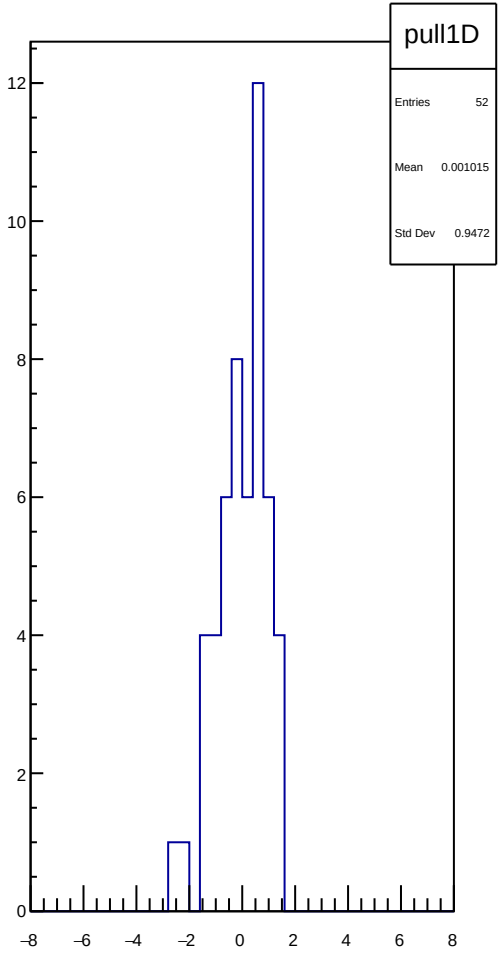
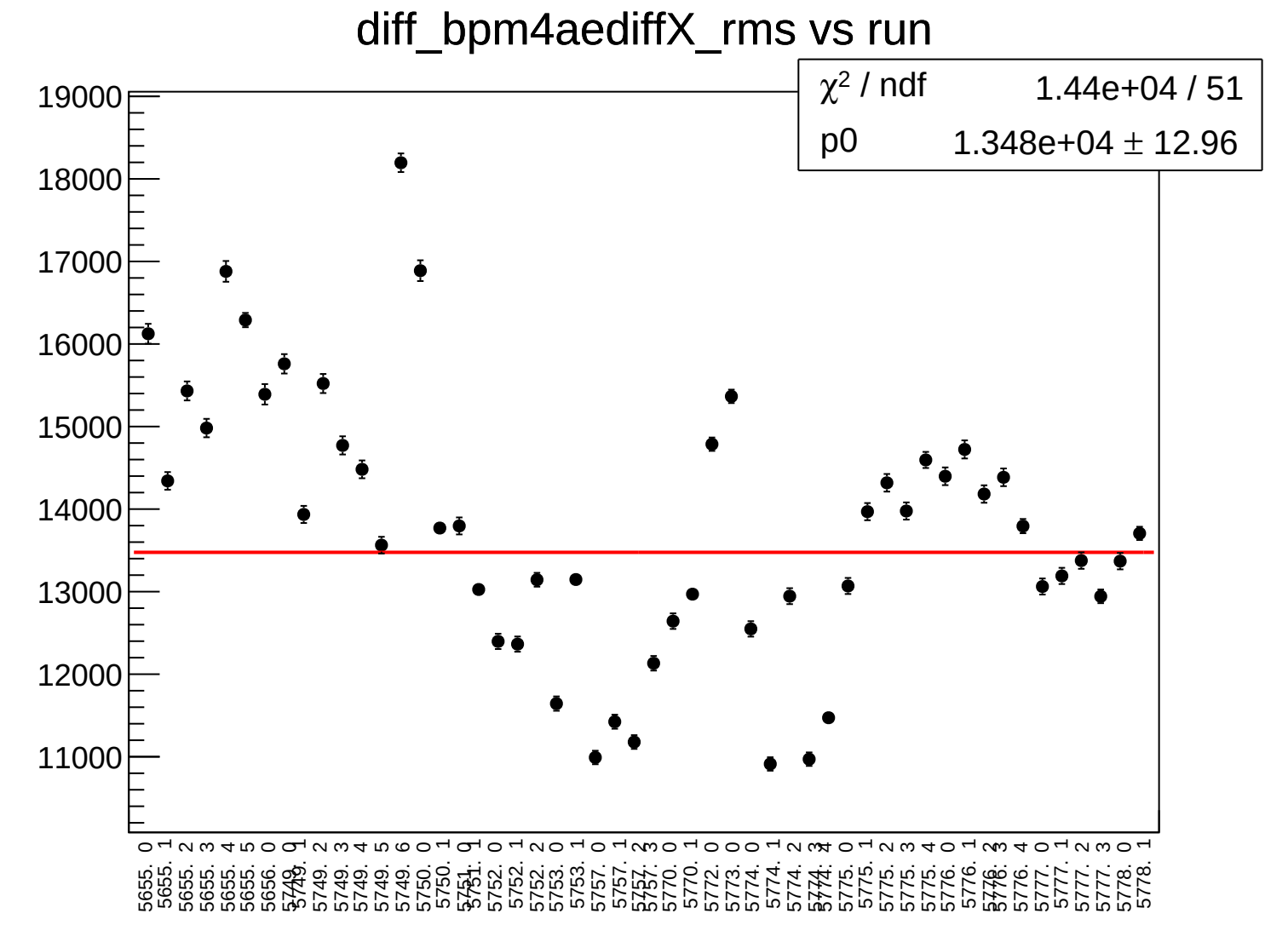
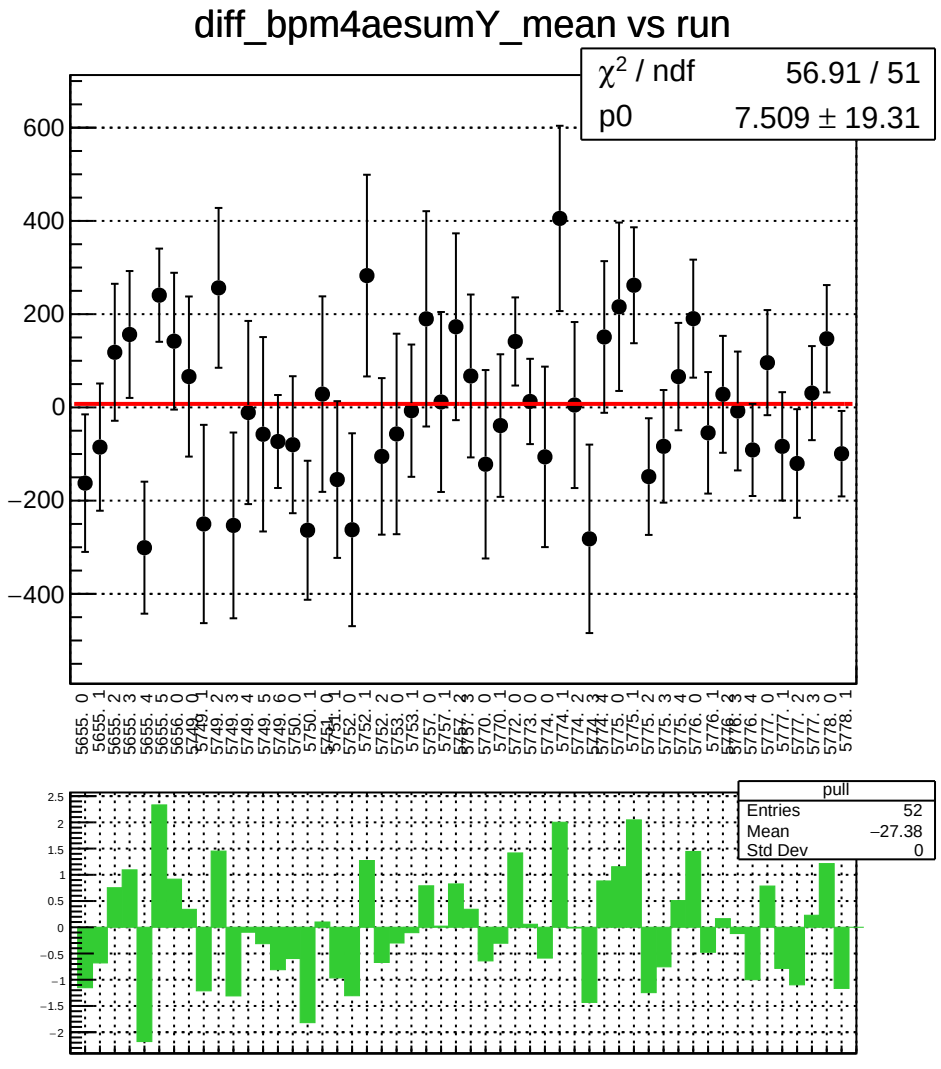
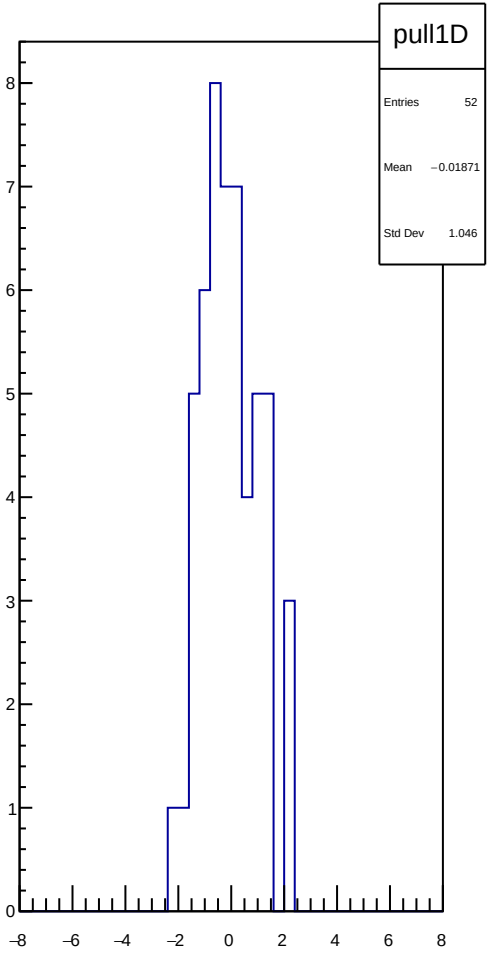
5777. 2
5777. 3
5778. 0
5778. 1

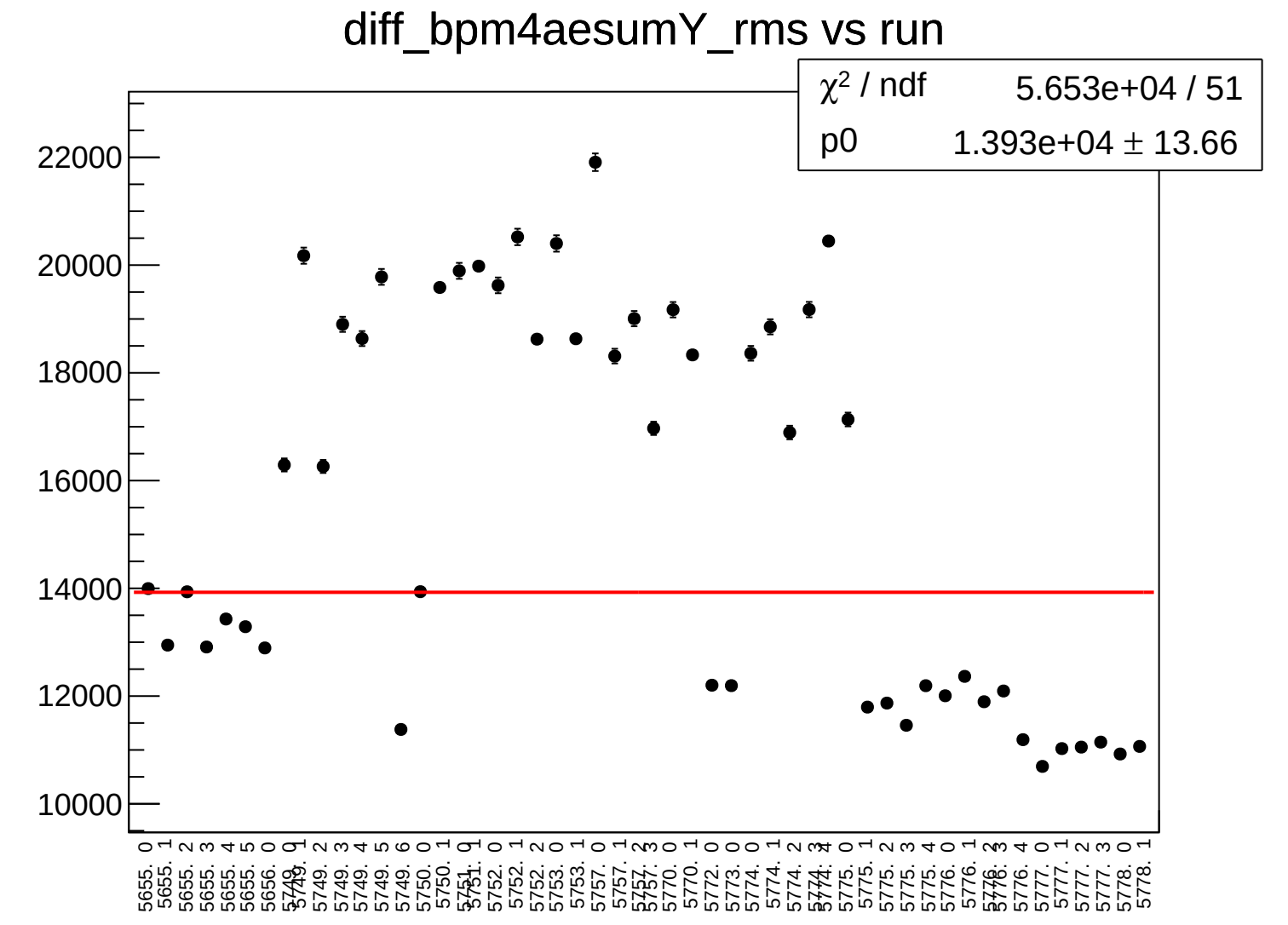

diff_bpm4aediffX_mean vs run
χ² / ndf 46.66 / 51
p0 −0.2659 ± 18.32
pull
Entries 52
Mean 1796
Std Dev 0

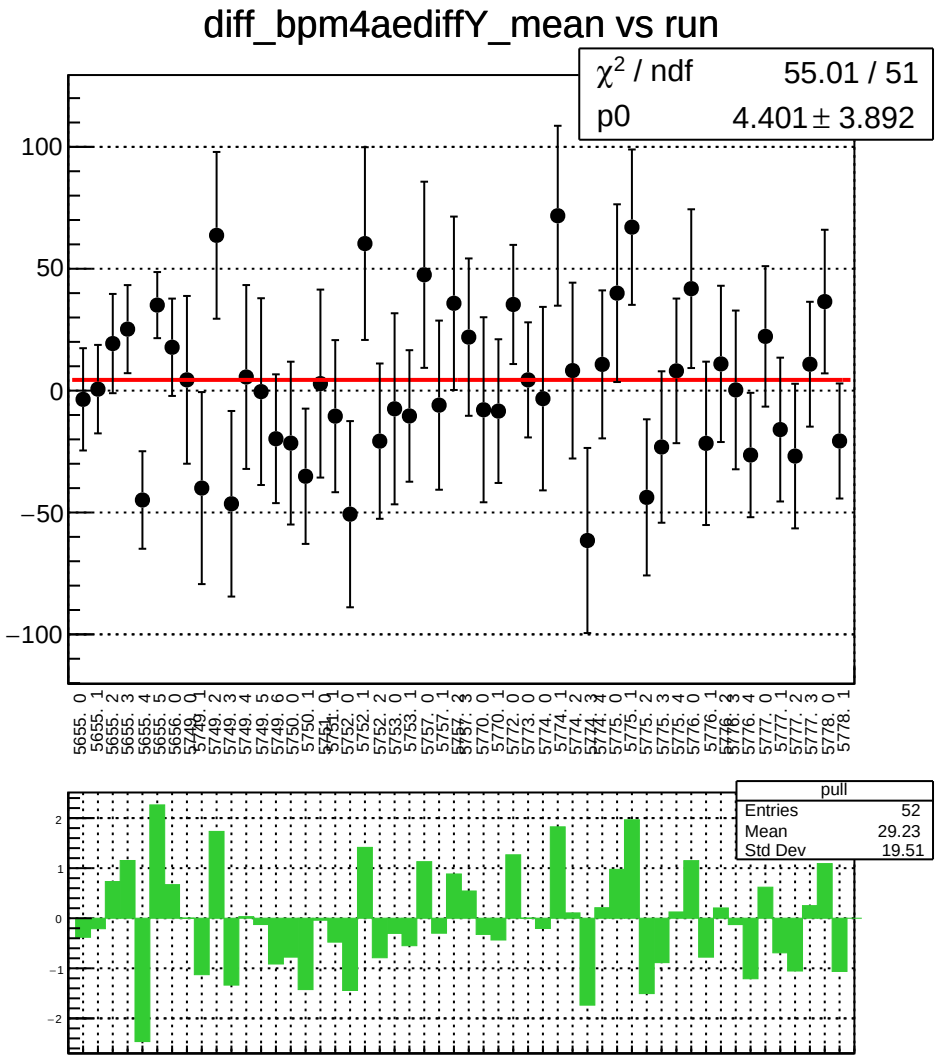

pull1D
Entries 52
Mean 0.001015
Std Dev 0.9472

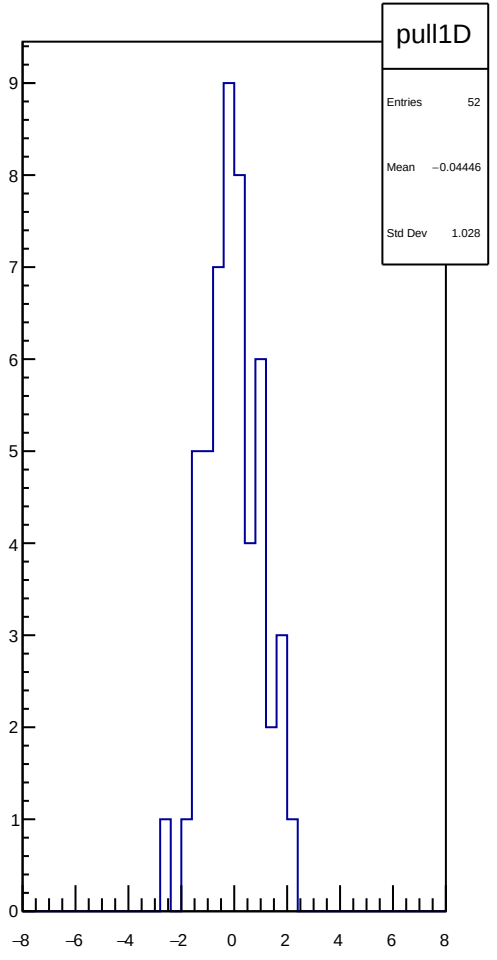

diff_bpm4aediffX_rms vs run
χ² / ndf 1.44e+04 / 51
p0 1.348e+04 ± 12.96
19000
18000
17000
16000
15000
14000
13000
12000
11000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

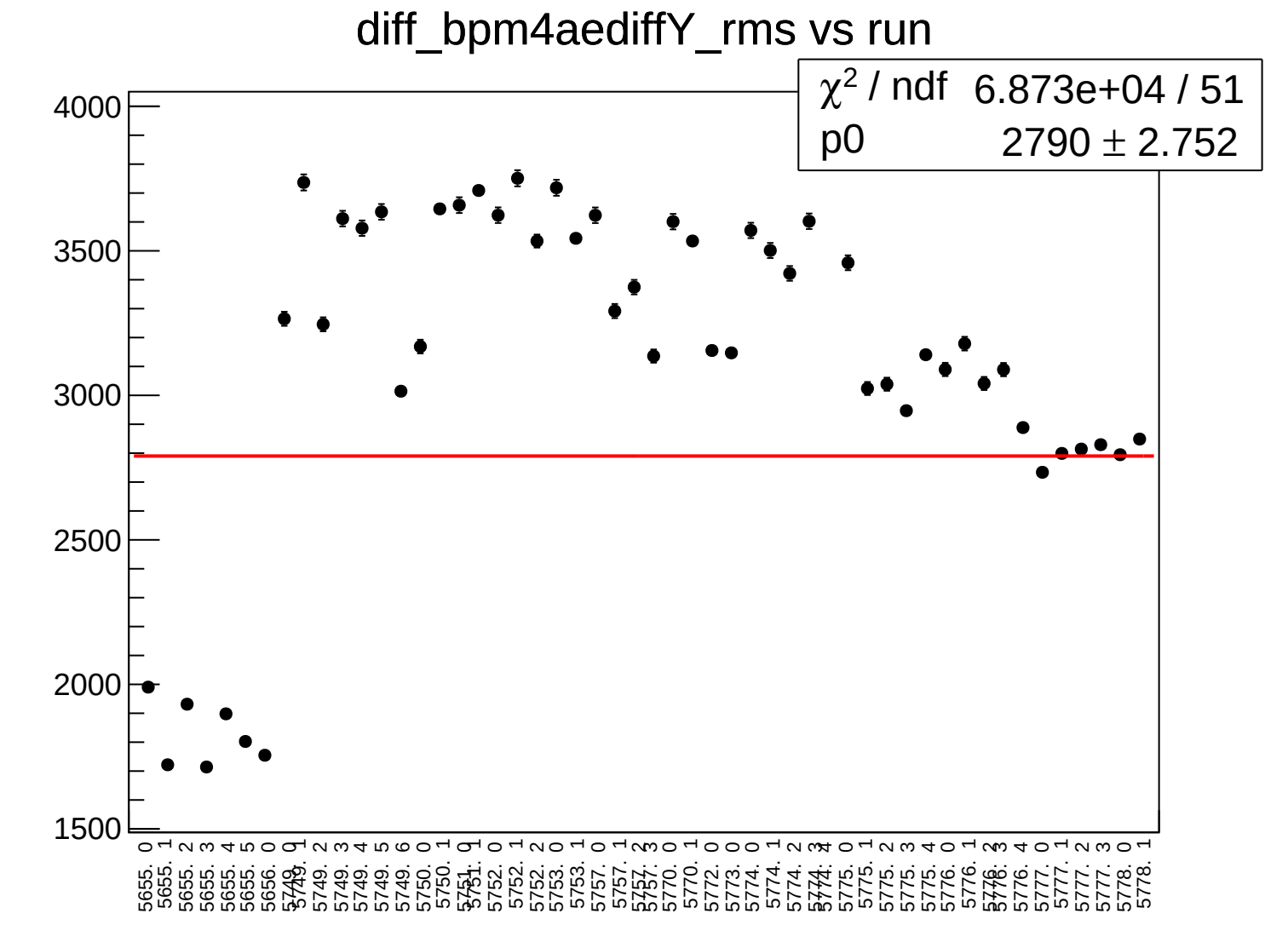

diff_bpm4aesumY_mean vs run
χ² / ndf 56.91 / 51
p0 7.509 ± 19.31
pull
Entries 52
Mean −27.38
Std Dev 0

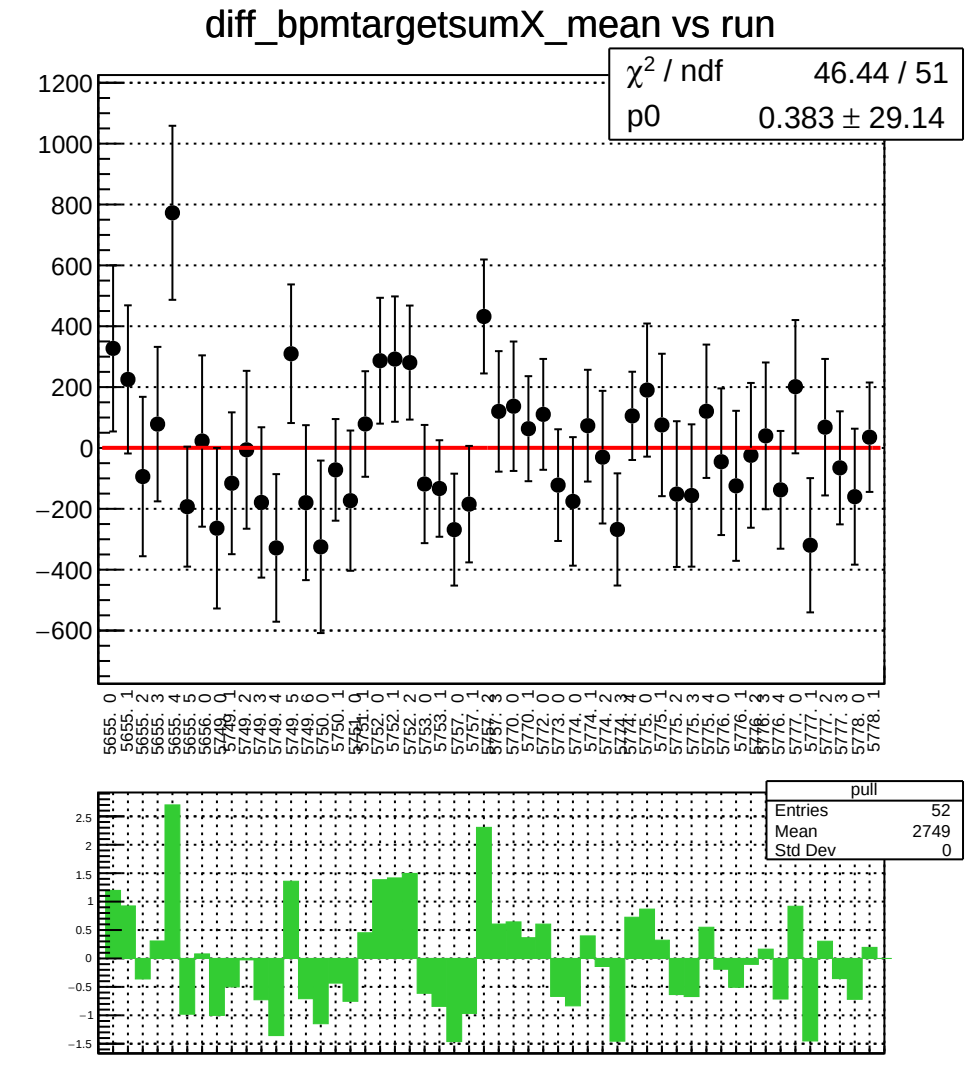

pull1D
Entries 52
Mean −0.01871
Std Dev 1.046

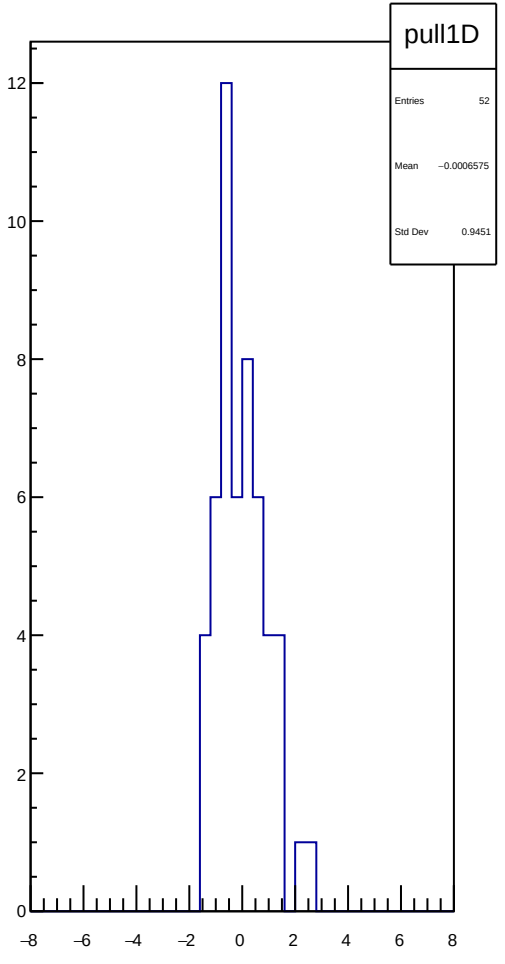

diff_bpm4aesumY_rms vs run
χ² / ndf 5.653e+04 / 51
p0 1.393e+04 ± 13.66
22000
20000
18000
16000
14000
12000
10000

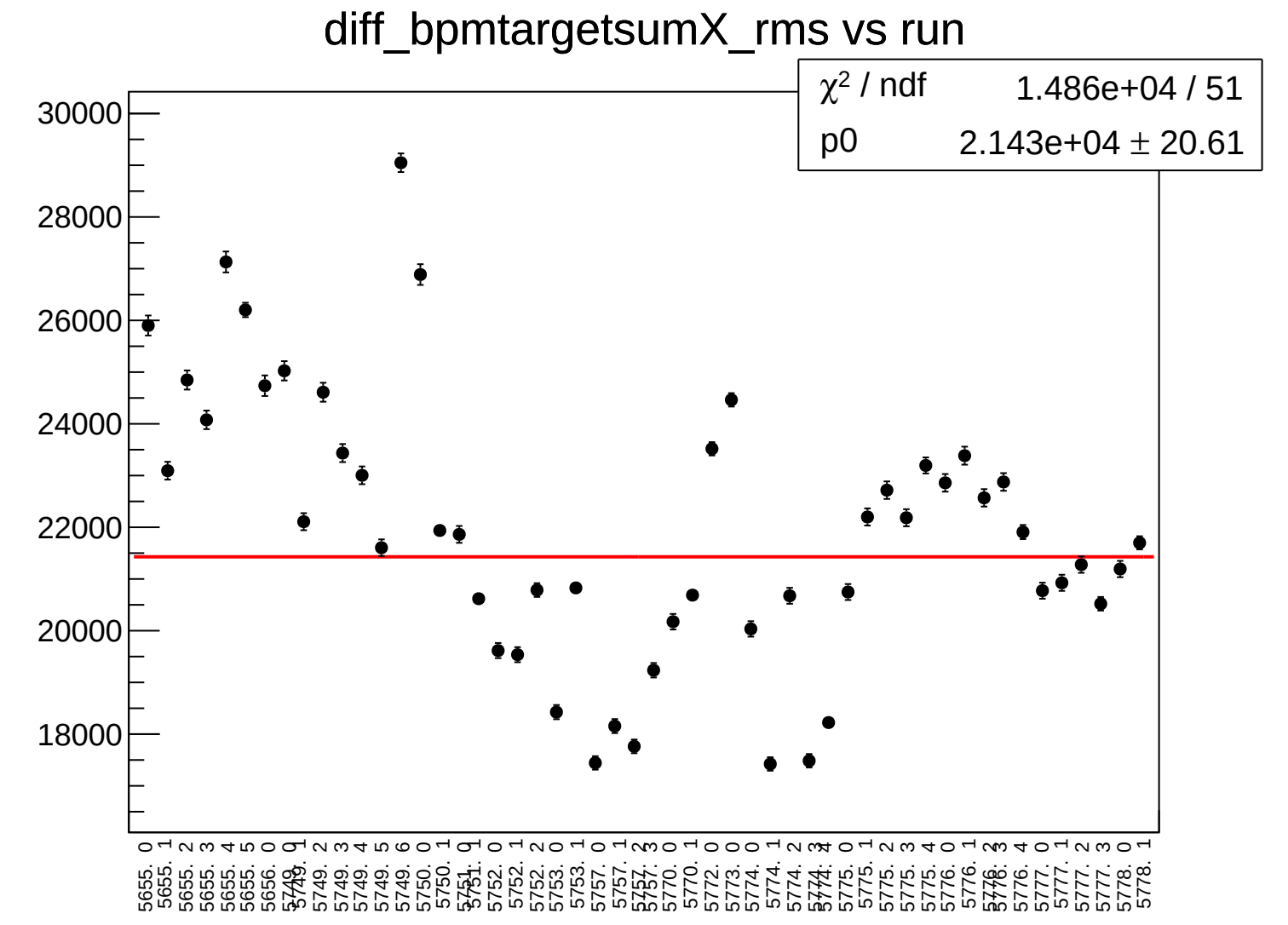

diff_bpm4aediffY_mean vs run
χ^2 / ndf 55.01 / 51
p0 4.401 ± 3.892
pull
Entries 52
Mean 29.23
Std Dev 19.51

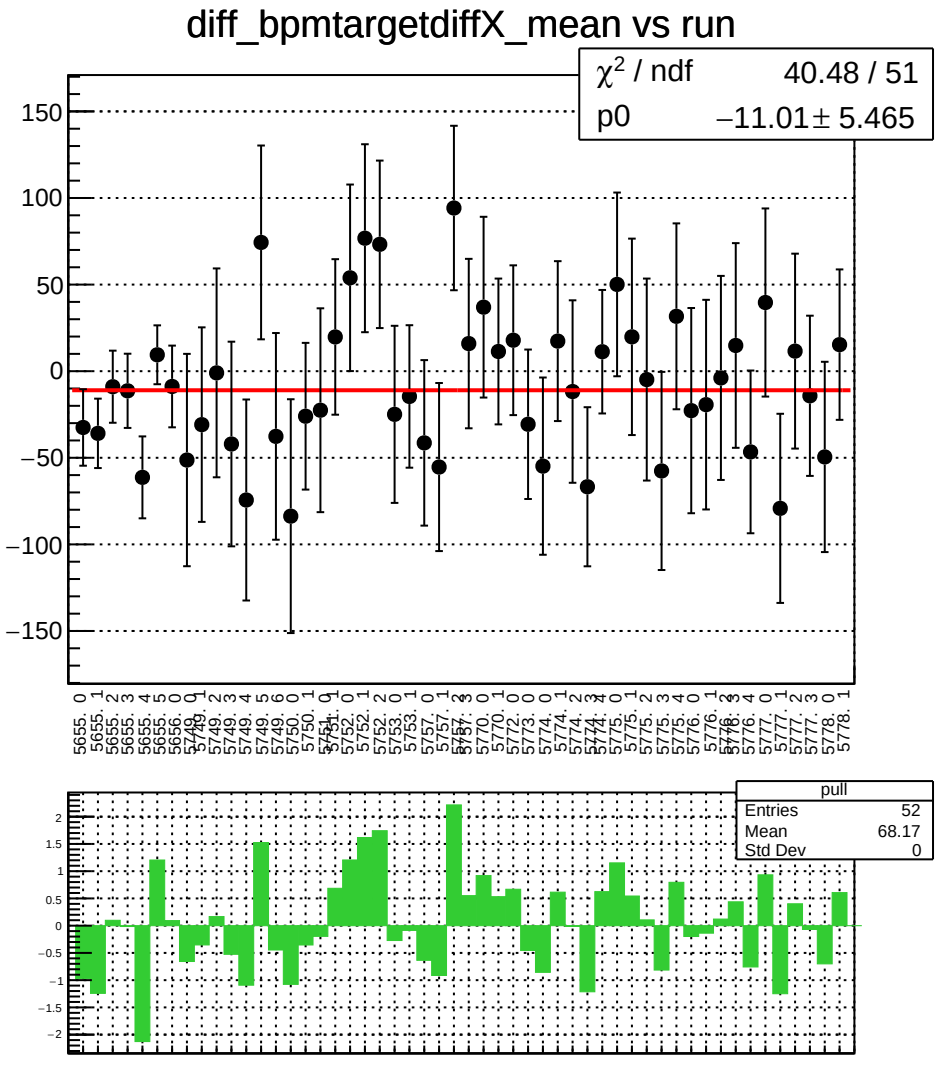

pull1D
Entries 52
Mean −0.04446
Std Dev 1.028

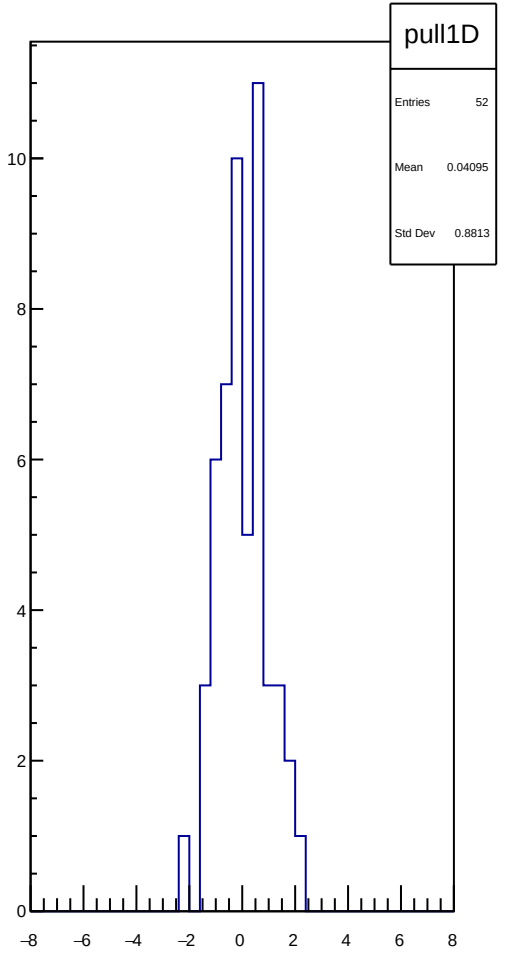

diff_bpm4aediffY_rms vs run
χ² / ndf 6.873e+04 / 51
p0 2790 ± 2.752
4000
3500
3000
2500
2000
1500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

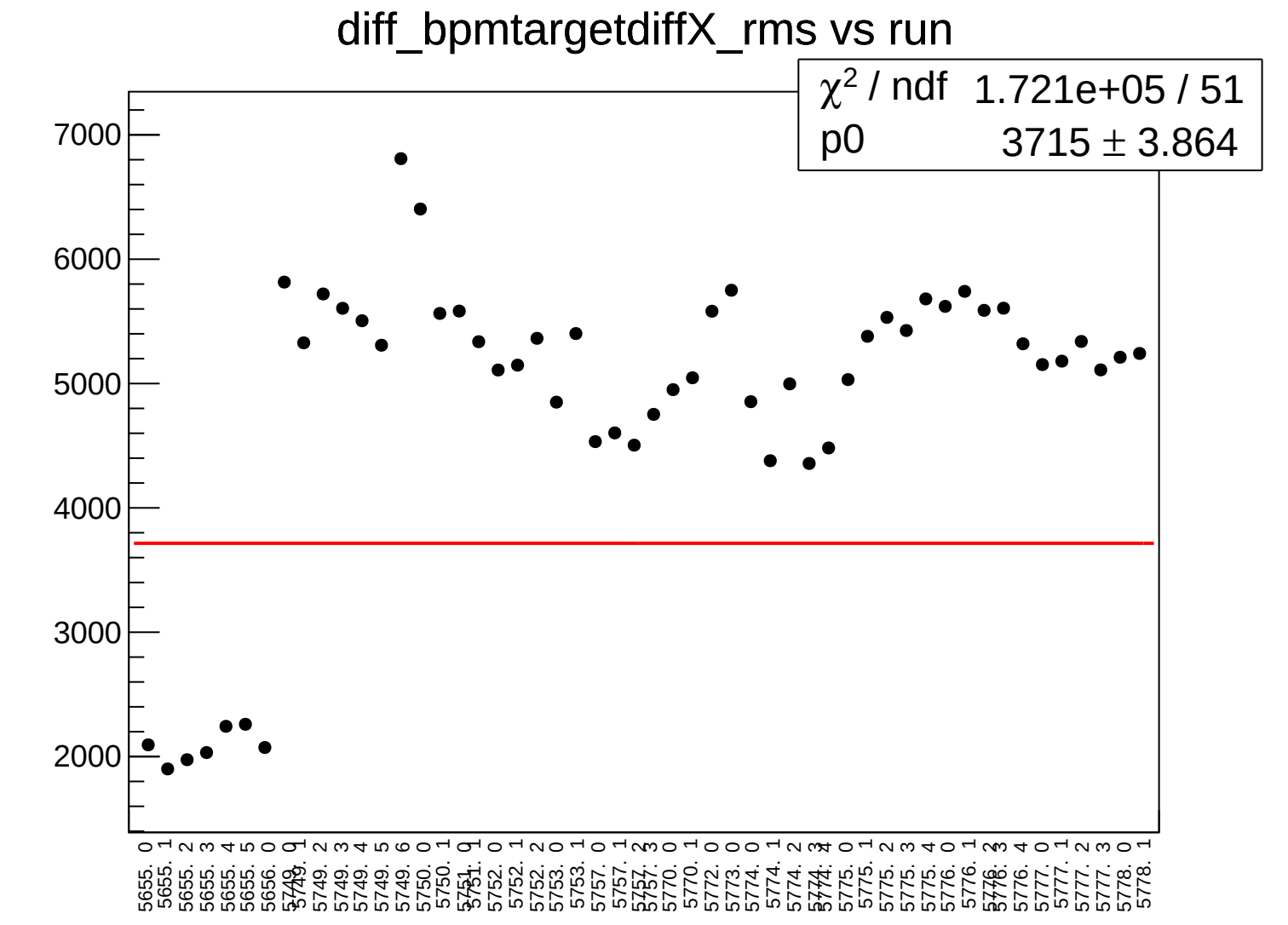

diff_bpmtargetsumX_mean vs run
χ² / ndf 46.44 / 51
p0 0.383 ± 29.14
pull
Entries 52
Mean 2749
Std Dev 0

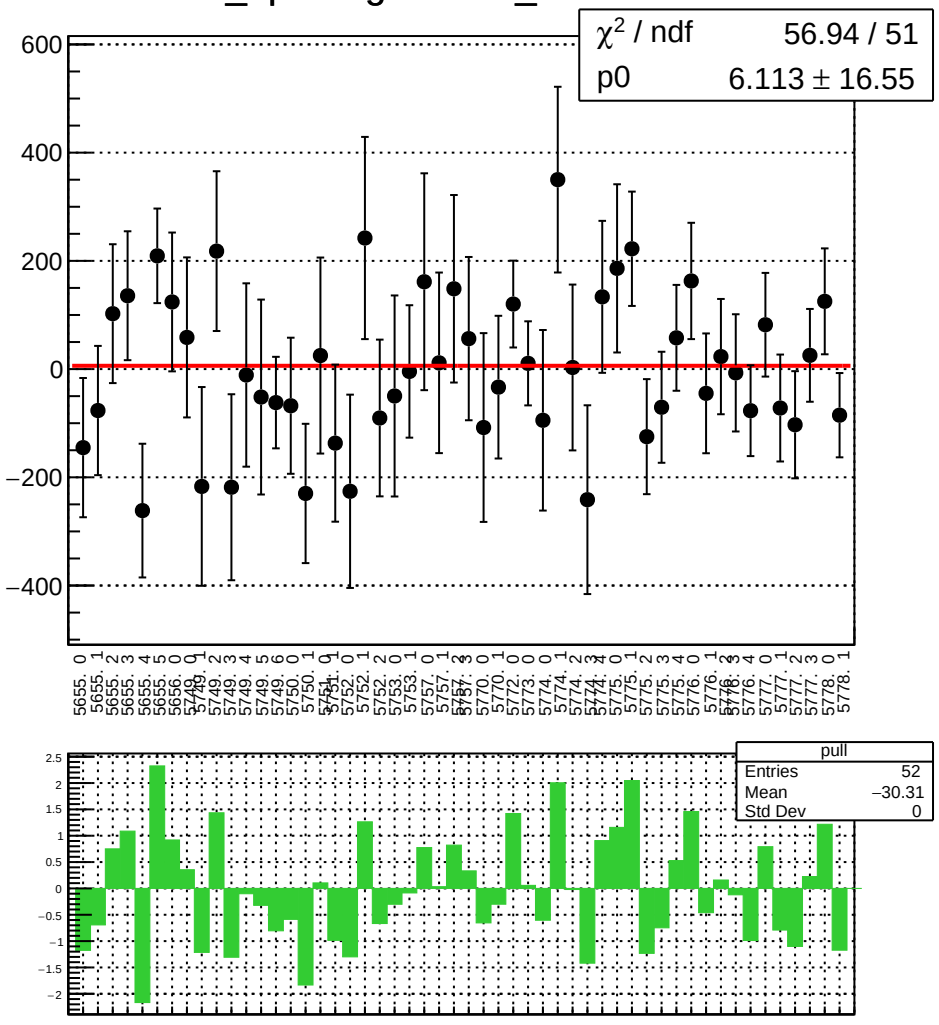

pull1D
Entries 52
Mean −0.0006575
Std Dev 0.9451

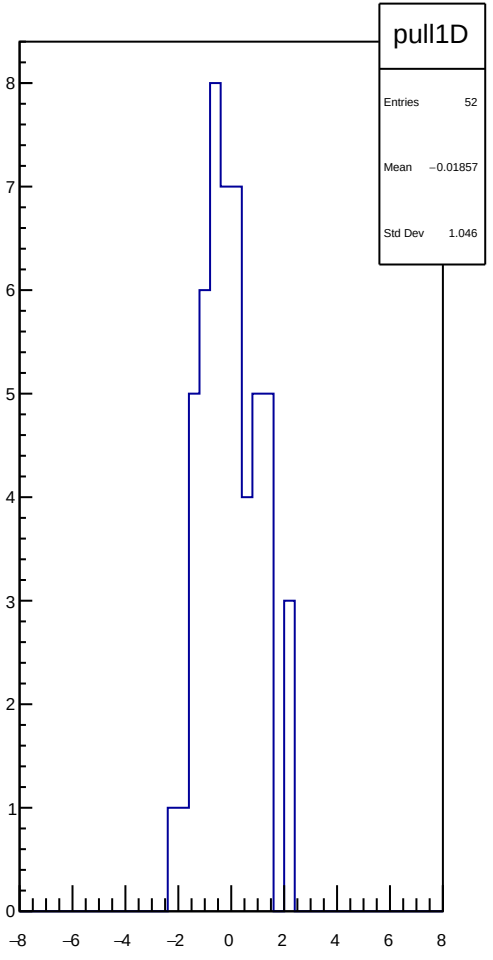

diff_bpmtargetsumX_rms vs run
χ² / ndf 1.486e+04 / 51
p0 2.143e+04 ± 20.61
30000
28000
26000
24000
22000
20000
18000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

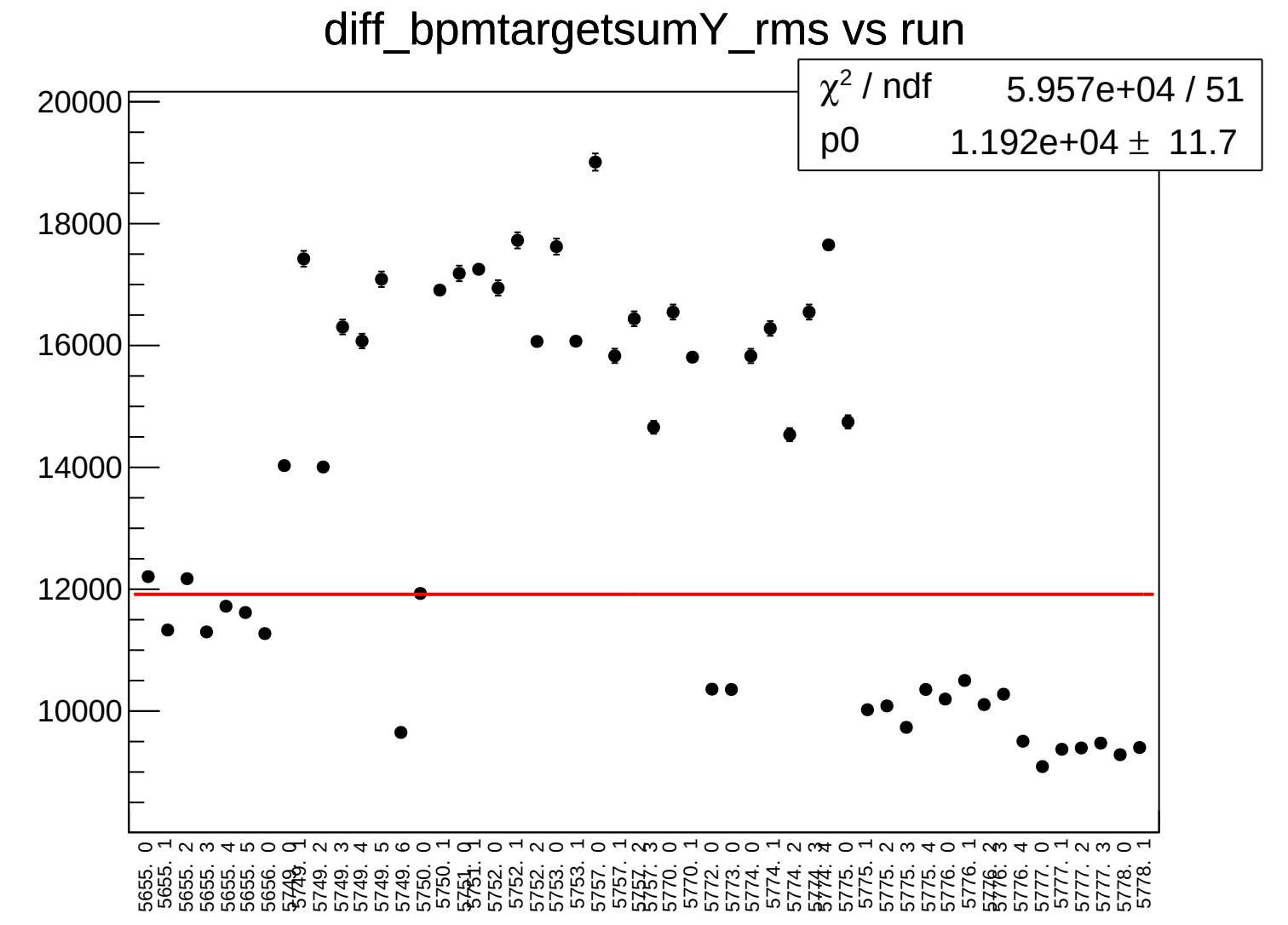

diff_bpmtargetdiffX_mean vs run
χ² / ndf 40.48 / 51
p0 −11.01 ± 5.465
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean 68.17
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

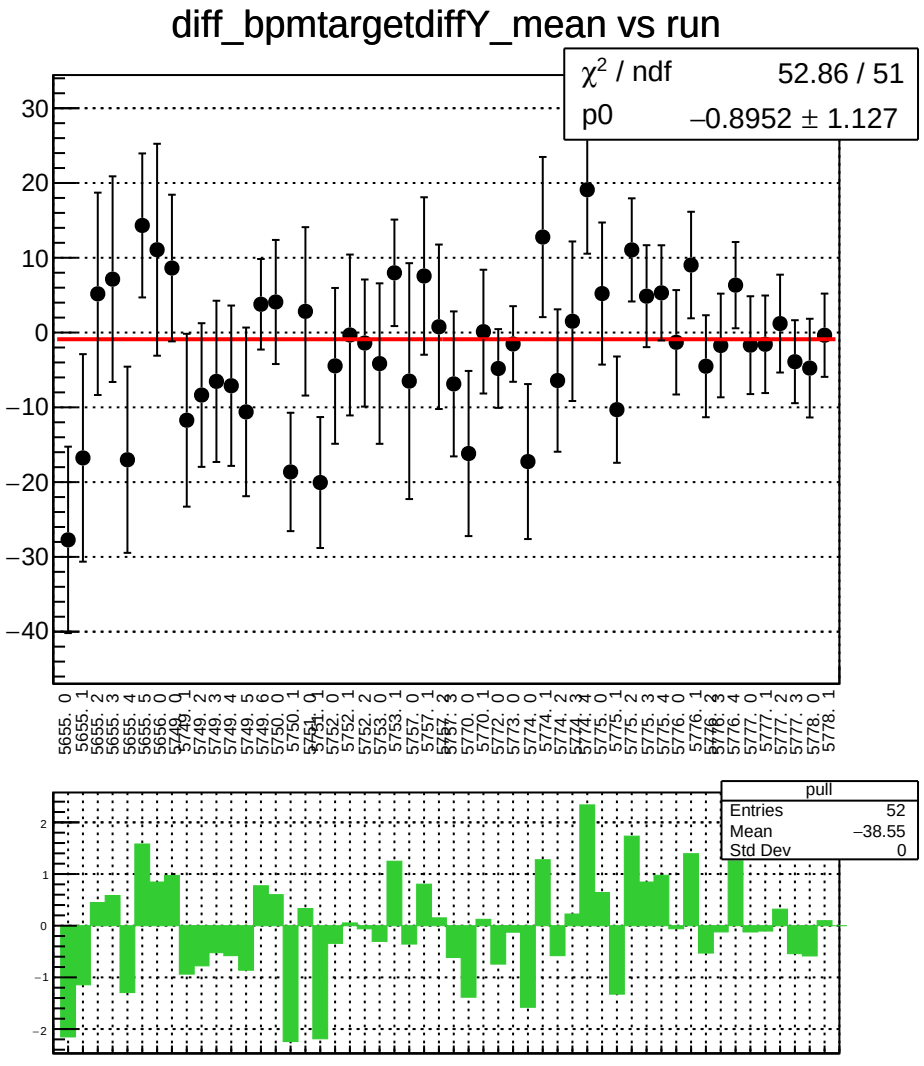

pull1D
Entries 52
Mean 0.04095
Std Dev 0.8813
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

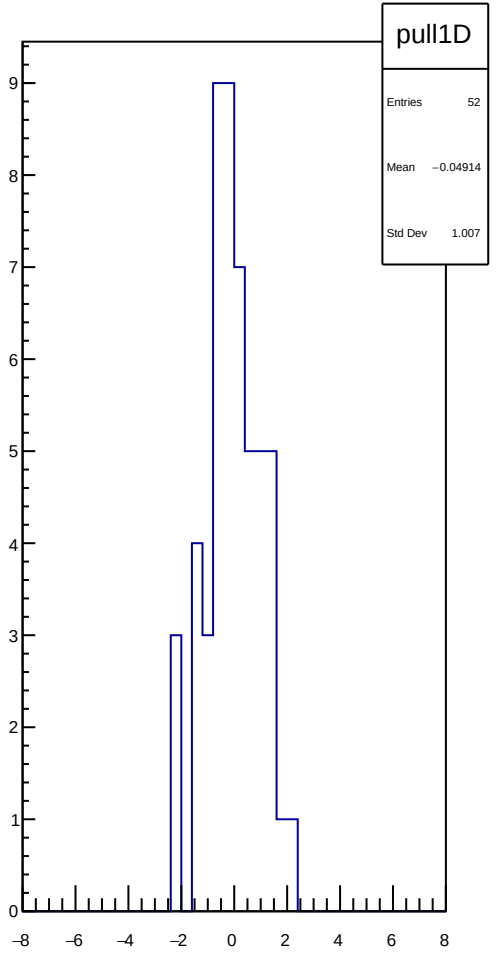

diff_bpmtargetdiffX_rms vs run
χ^2 / ndf 1.721e+05 / 51
p0 3715 ± 3.864
7000
6000
5000
4000
3000
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

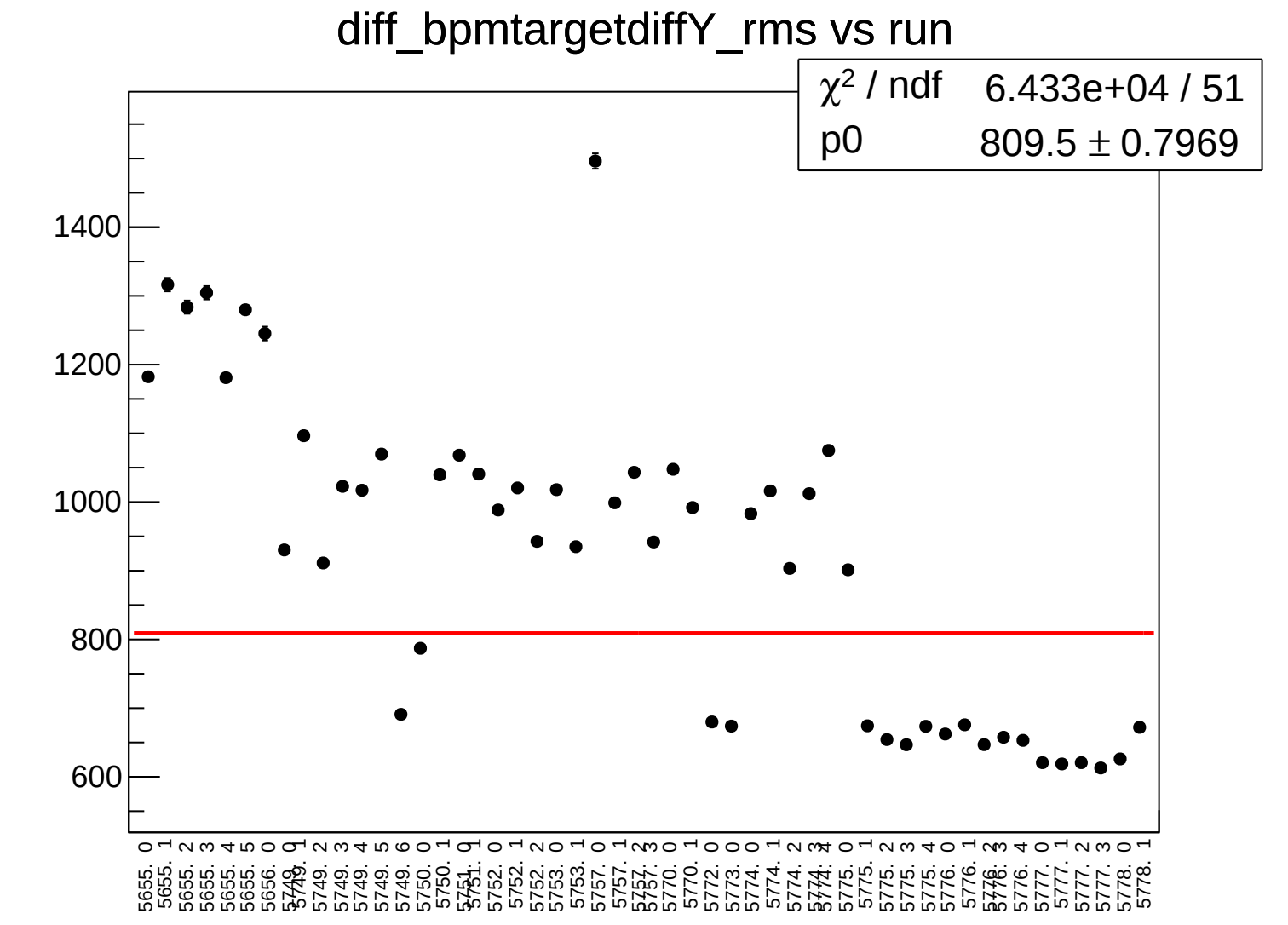

diff_bpmtargetsumY_mean vs run
χ² / ndf 56.94 / 51
p0 6.113 ± 16.55
pull
Entries 52
Mean −30.31
Std Dev 0

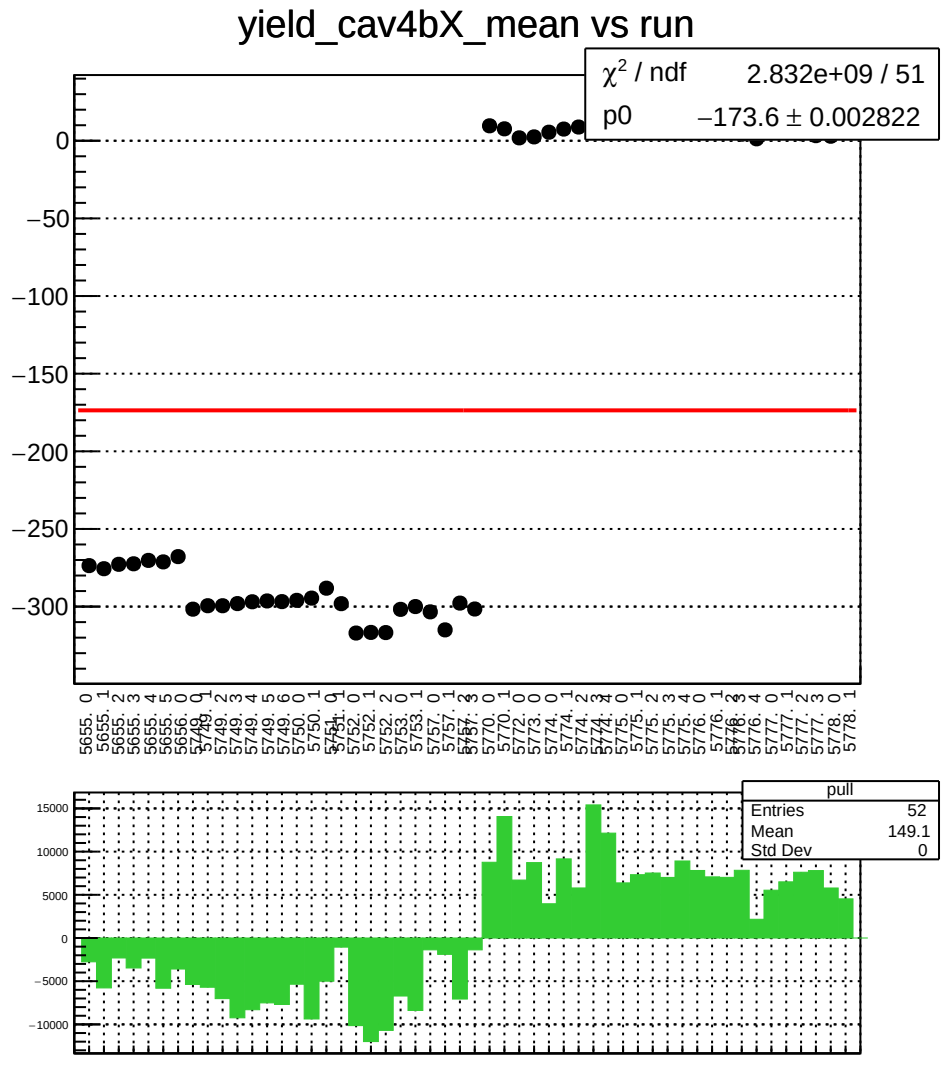

pull1D
Entries 52
Mean −0.01857
Std Dev 1.046

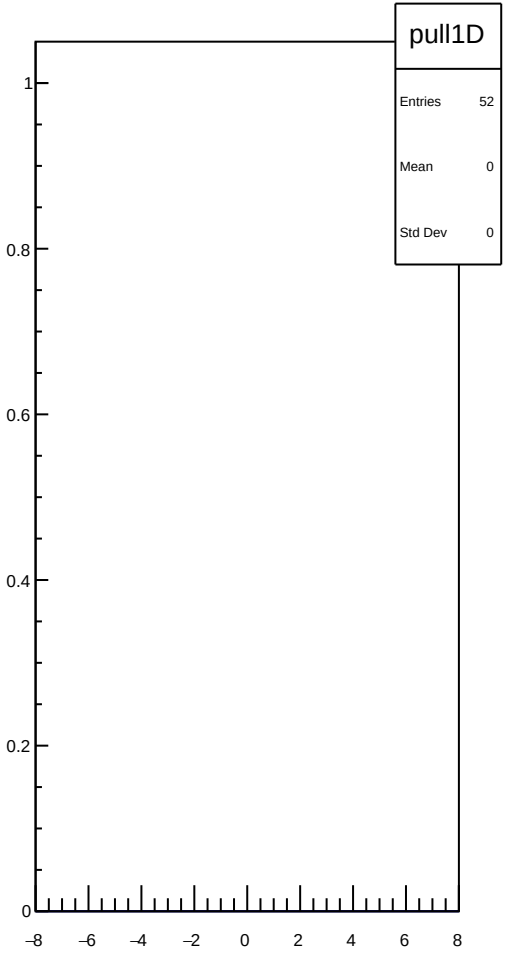

diff_bpmtargetsumY_rms vs run
χ² / ndf 5.957e+04 / 51
p0 1.192e+04 ± 11.7
20000
18000
16000
14000
12000
10000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

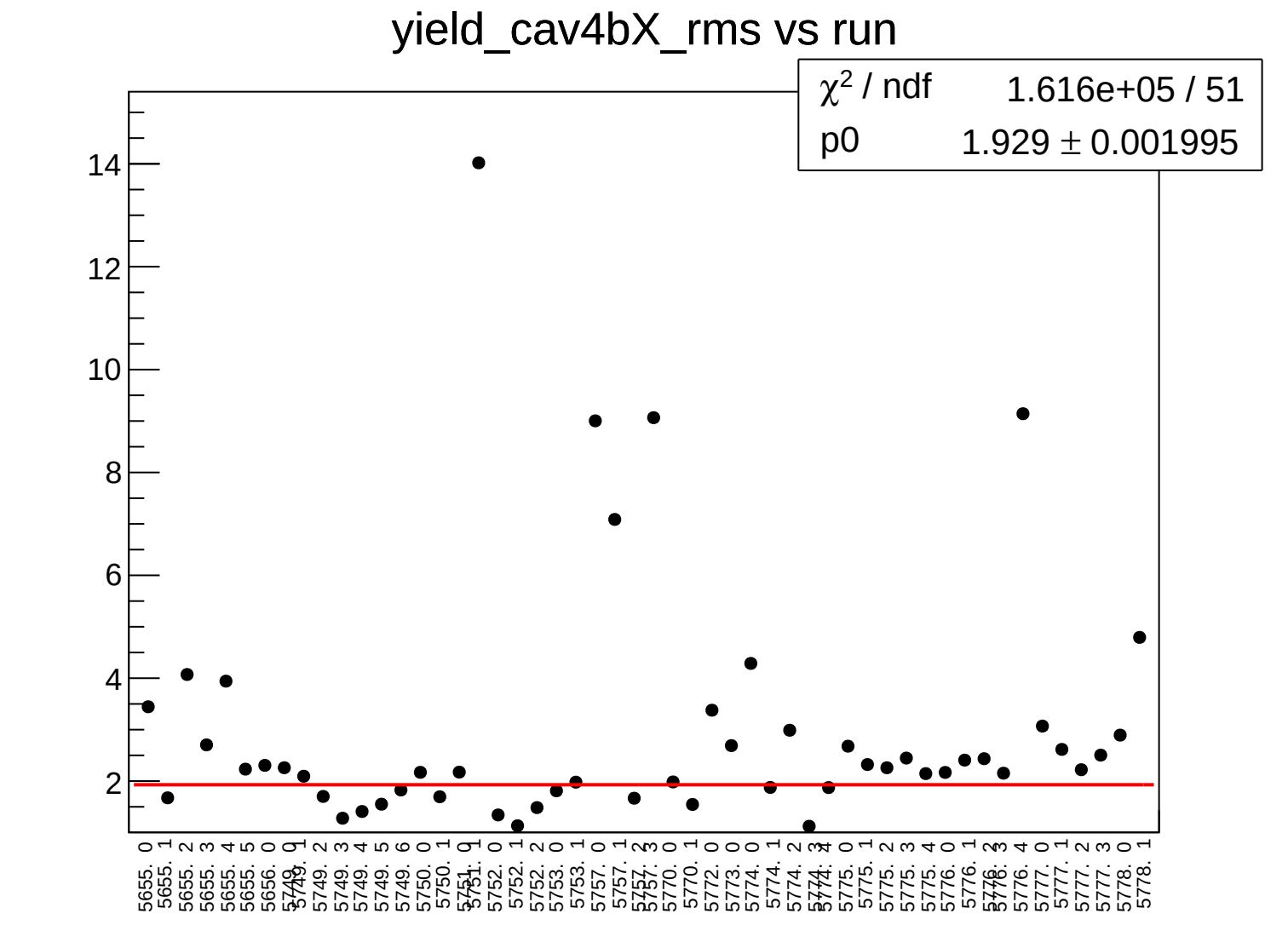

diff_bpmtargetdiffY_mean vs run
χ² / ndf 52.86 / 51
p0 −0.8952 ± 1.127
pull
Entries 52
Mean −38.55
Std Dev 0

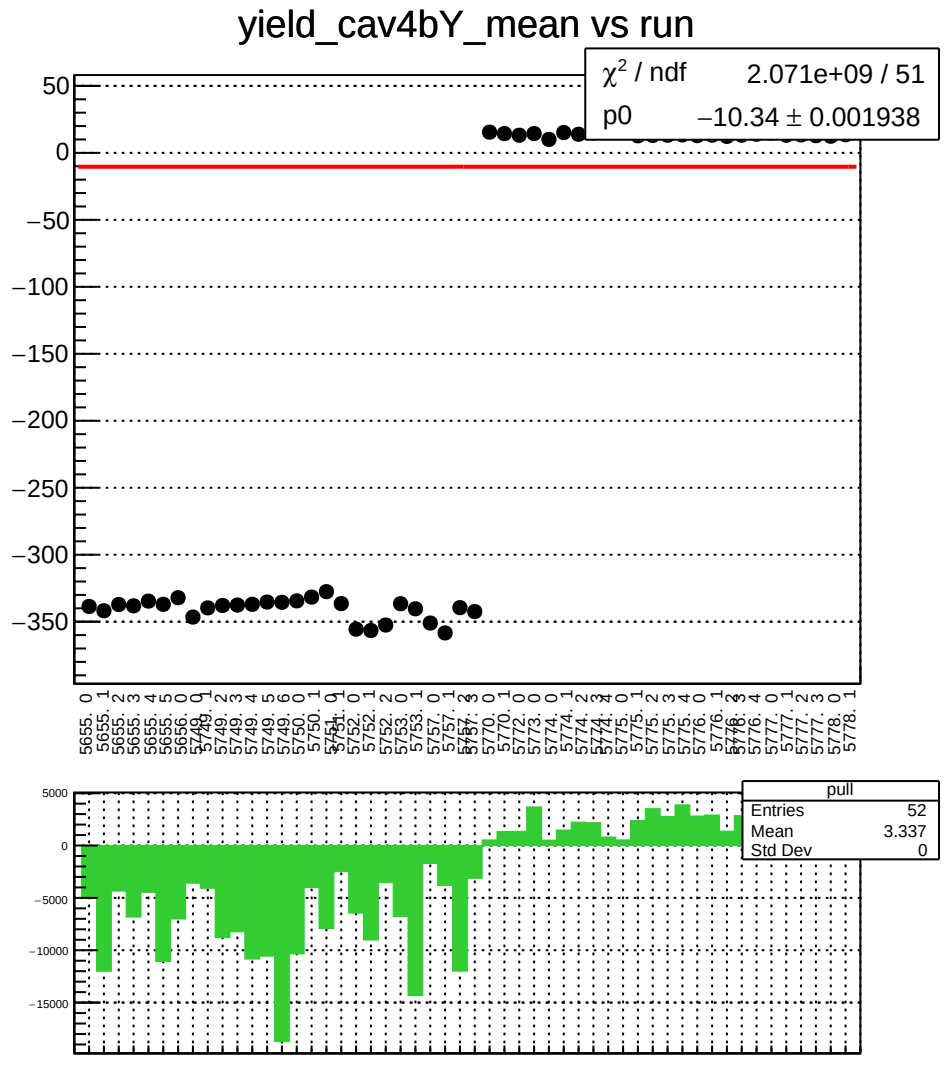

pull1D
Entries 52
Mean −0.04914
Std Dev 1.007

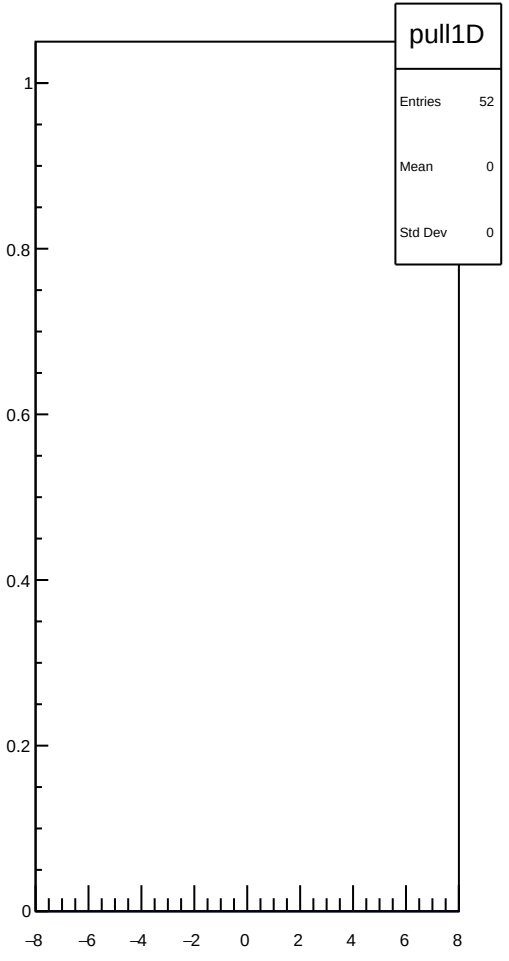

diff_bpmtargetdiffY_rms vs run
χ² / ndf 6.433e+04 / 51
p0 809.5 ± 0.7969
1400
1200
1000
800
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

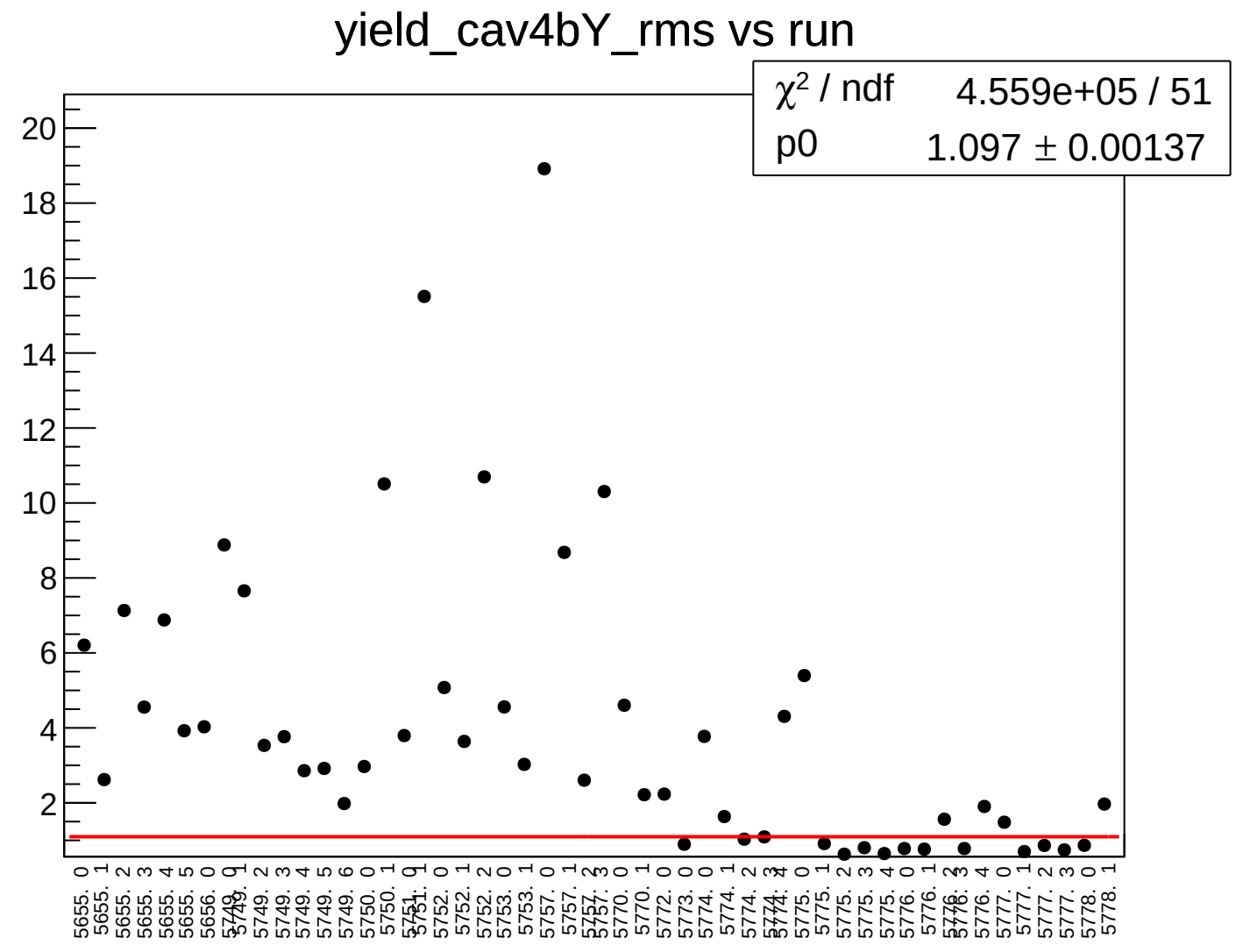

yield_cav4bX_mean vs run
χ² / ndf 2.832e+09 / 51
p0 −173.6 ± 0.002822
0
−50
−100
−150
−200
−250
−300
pull
Entries 52
Mean 149.1
Std Dev 0
15000
10000
5000
0
−5000
−10000


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_cav4bX_rms vs run
χ² / ndf 1.616e+05 / 51
p0 1.929 ± 0.001995
14
12
10
8
6
4
2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


yield_cav4bY_mean vs run
χ² / ndf 2.071e+09 / 51
p0 −10.34 ± 0.001938
pull
Entries 52
Mean 3.337
Std Dev 0


pull1D
Entries 52
Mean 0
Std Dev 0


yield_cav4bY_rms vs run
χ^2 / ndf 4.559e+05 / 51
p0 1.097 ± 0.00137
20
18
16
14
12
10
8
6
4
2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
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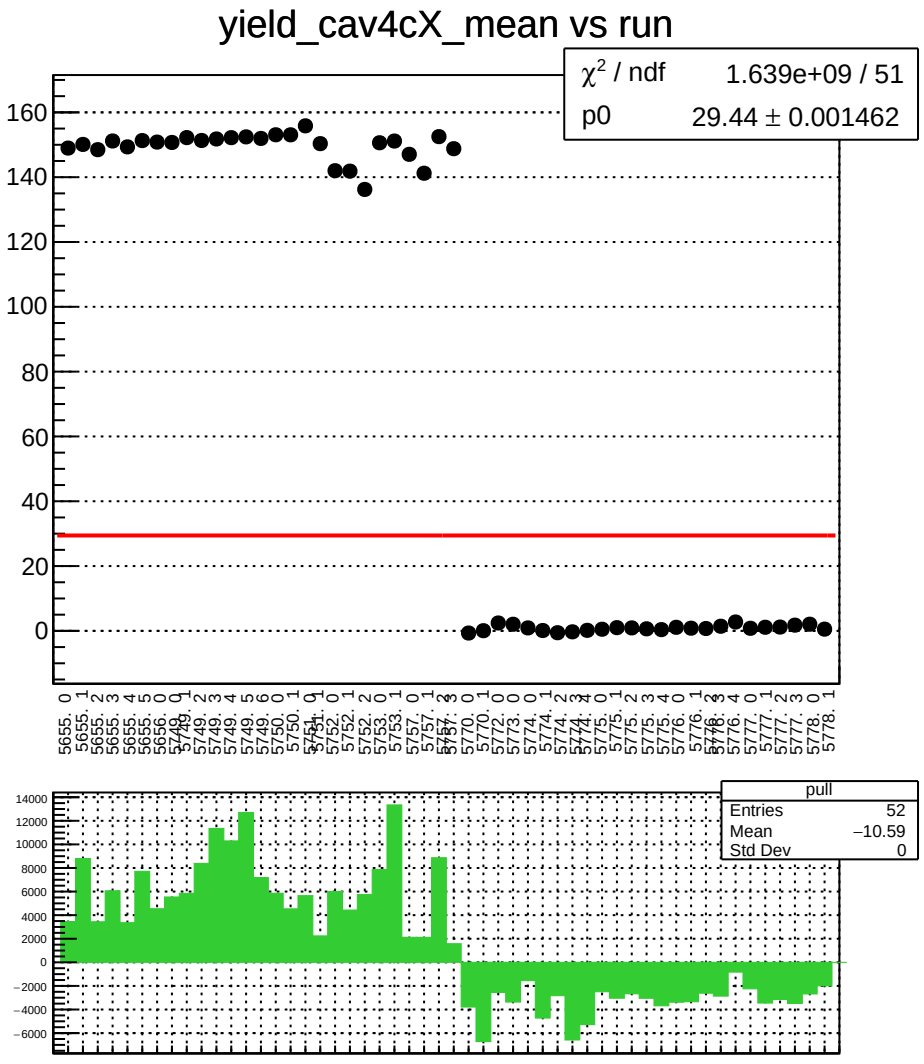
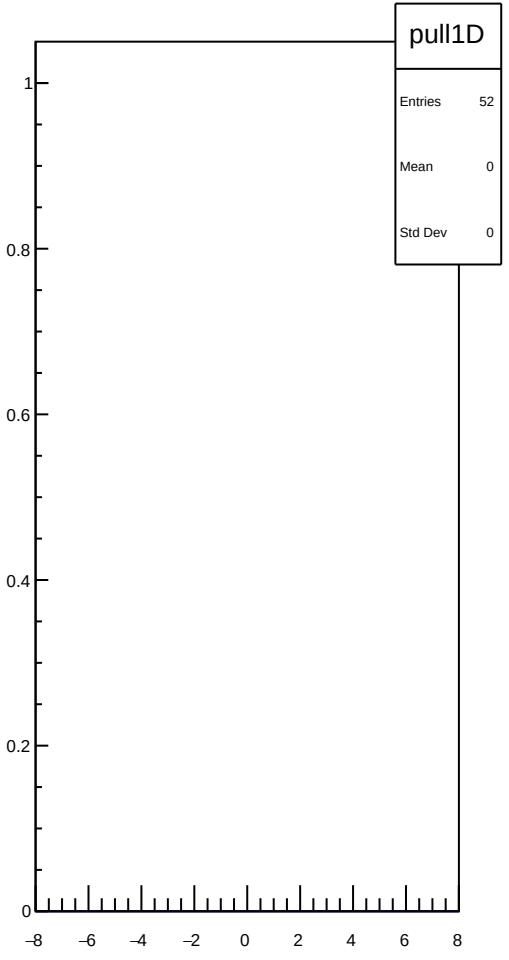
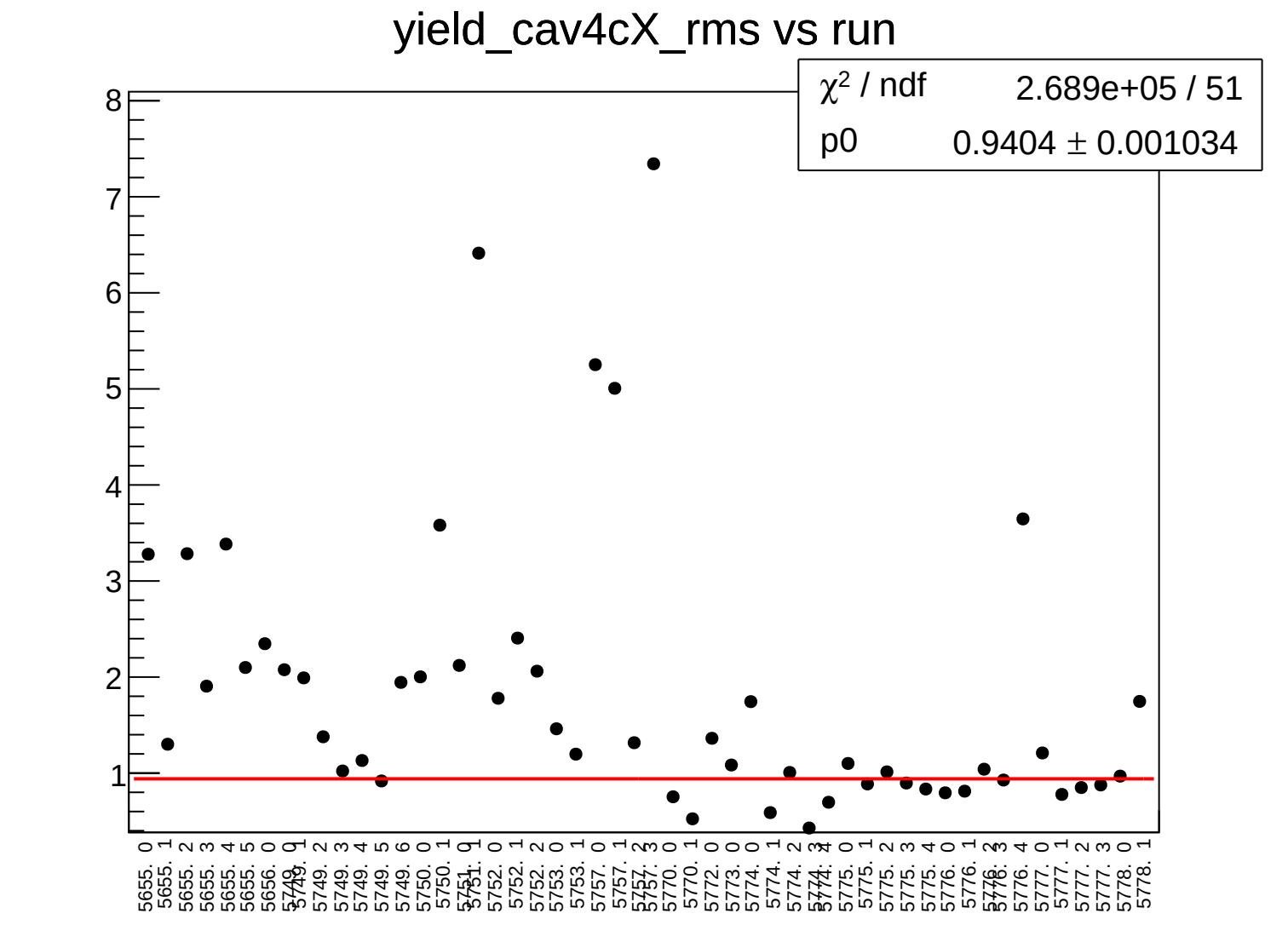
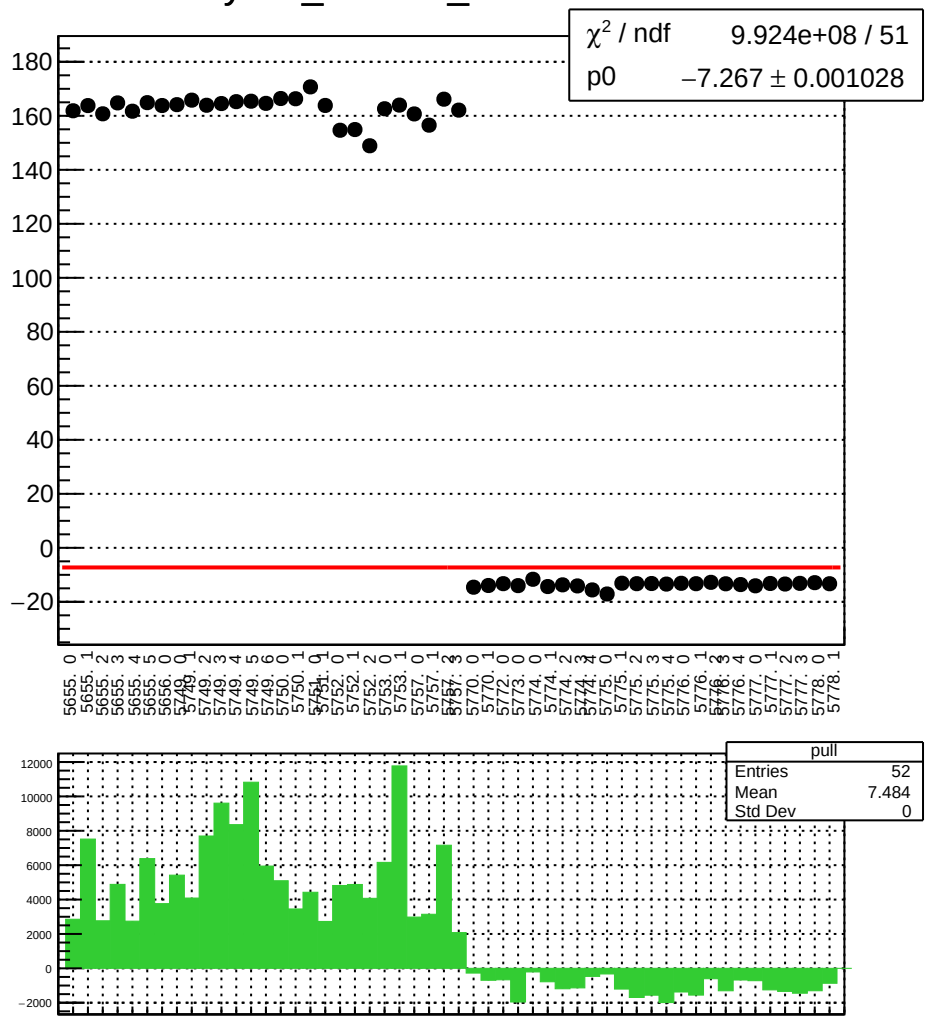
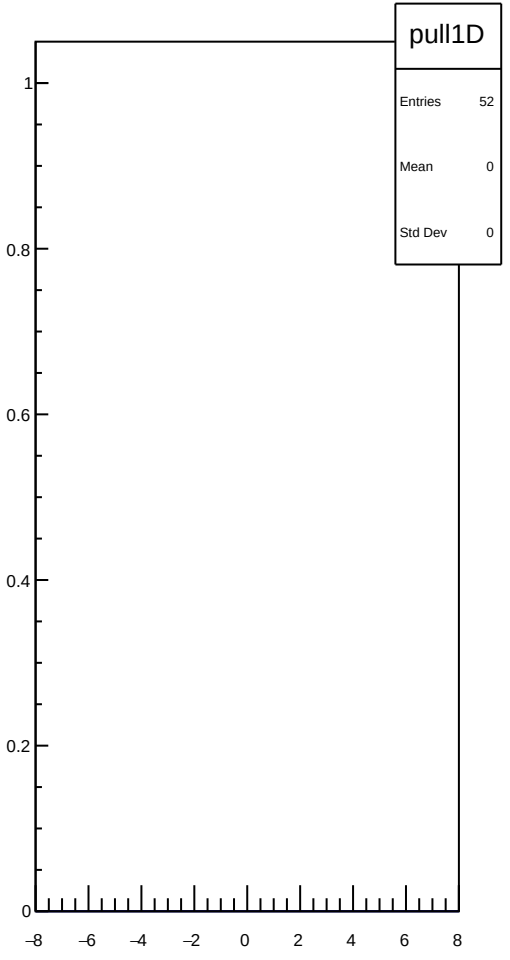
5777. 2
5777. 3
5778. 0
5778. 1

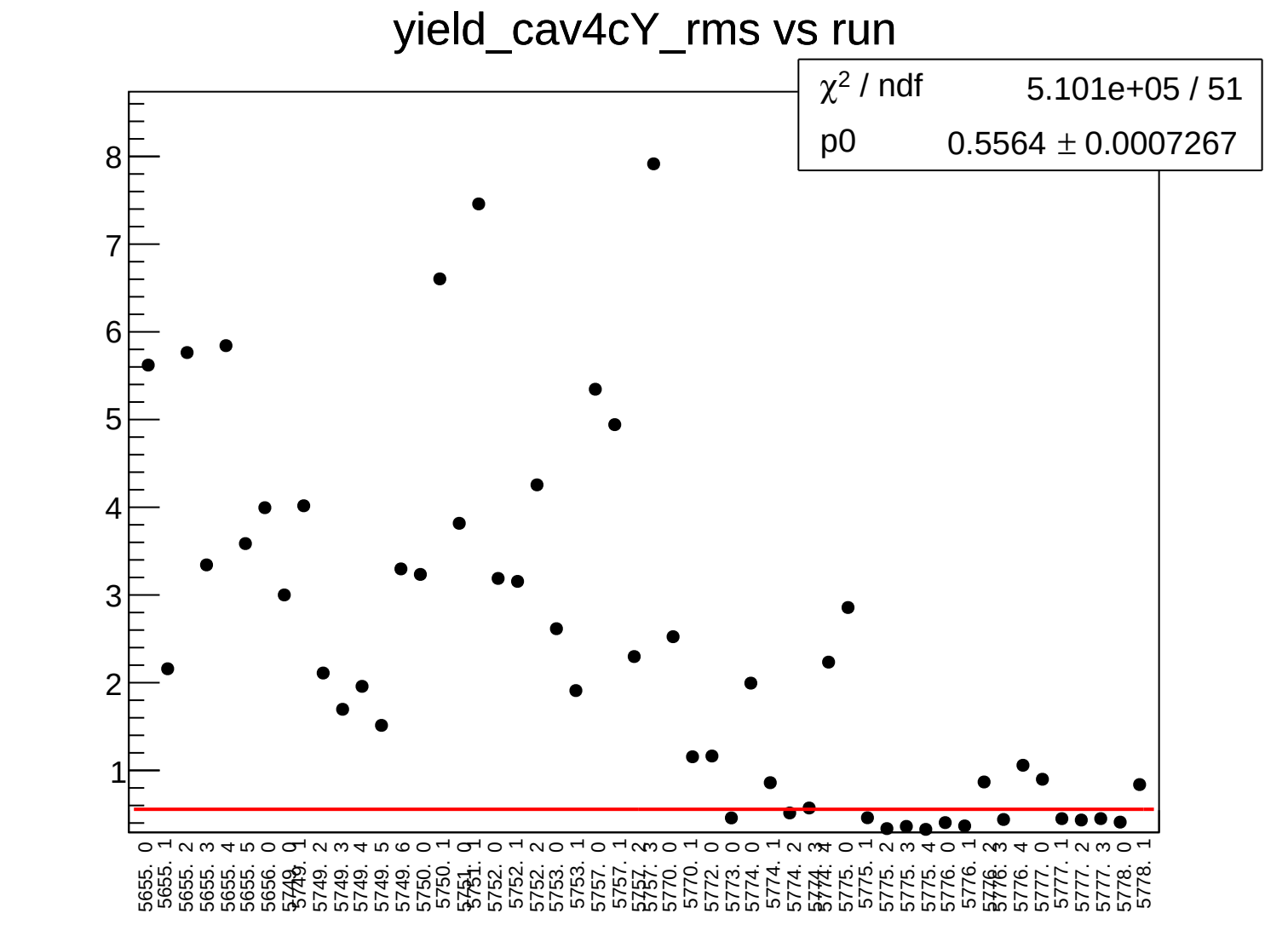

yield_cav4cX_mean vs run
χ² / ndf 1.639e+09 / 51
p0 29.44 ± 0.001462
pull
Entries 52
Mean −10.59
Std Dev 0

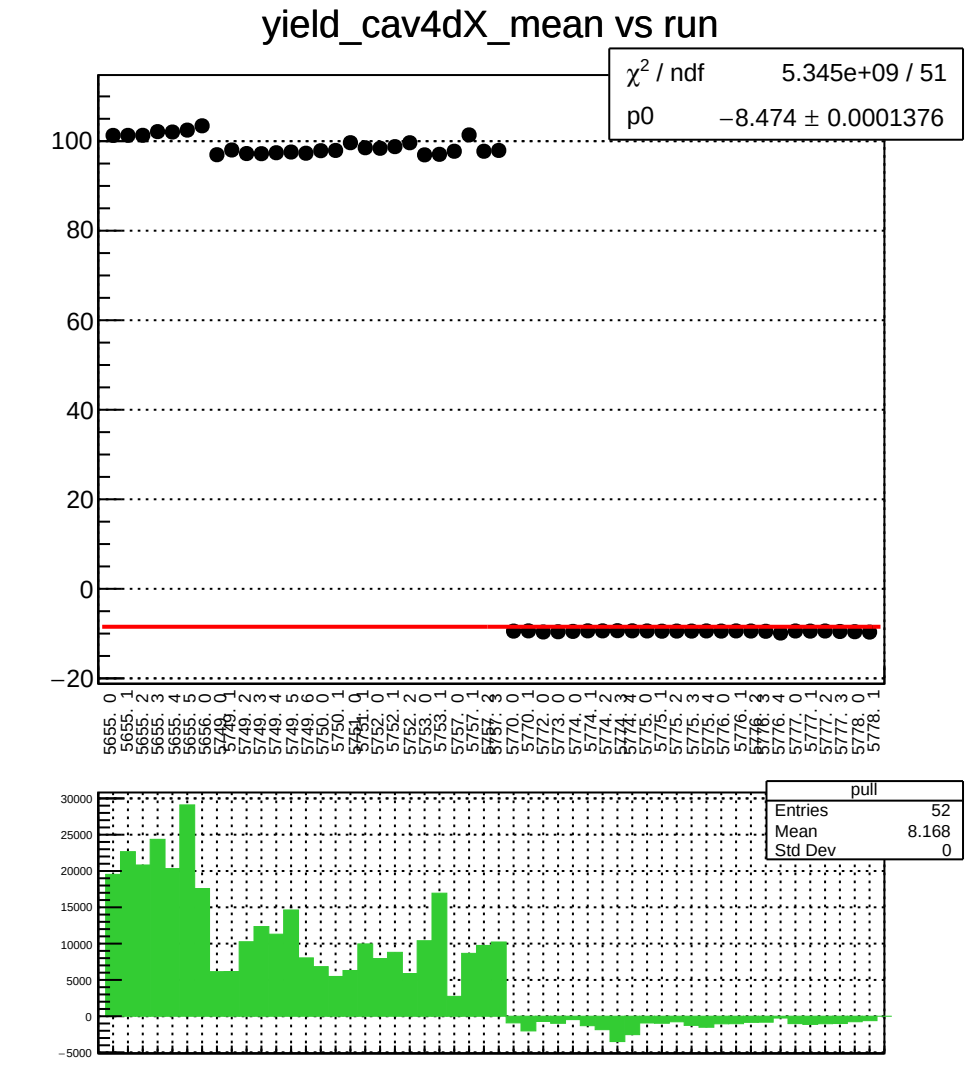

pull1D
Entries 52
Mean 0
Std Dev 0

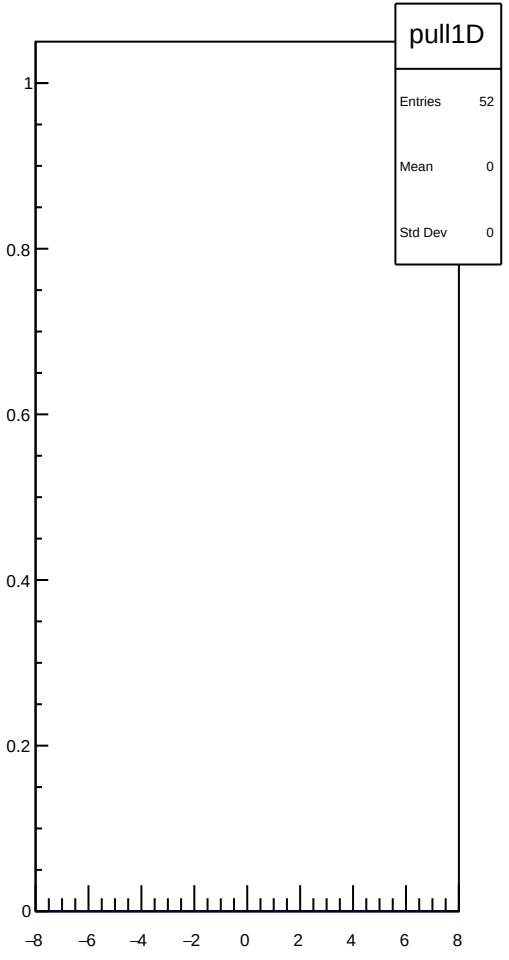

yield_cav4cX_rms vs run
χ² / ndf 2.689e+05 / 51
p0 0.9404 ± 0.001034
8
7
6
5
4
3
2
1
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

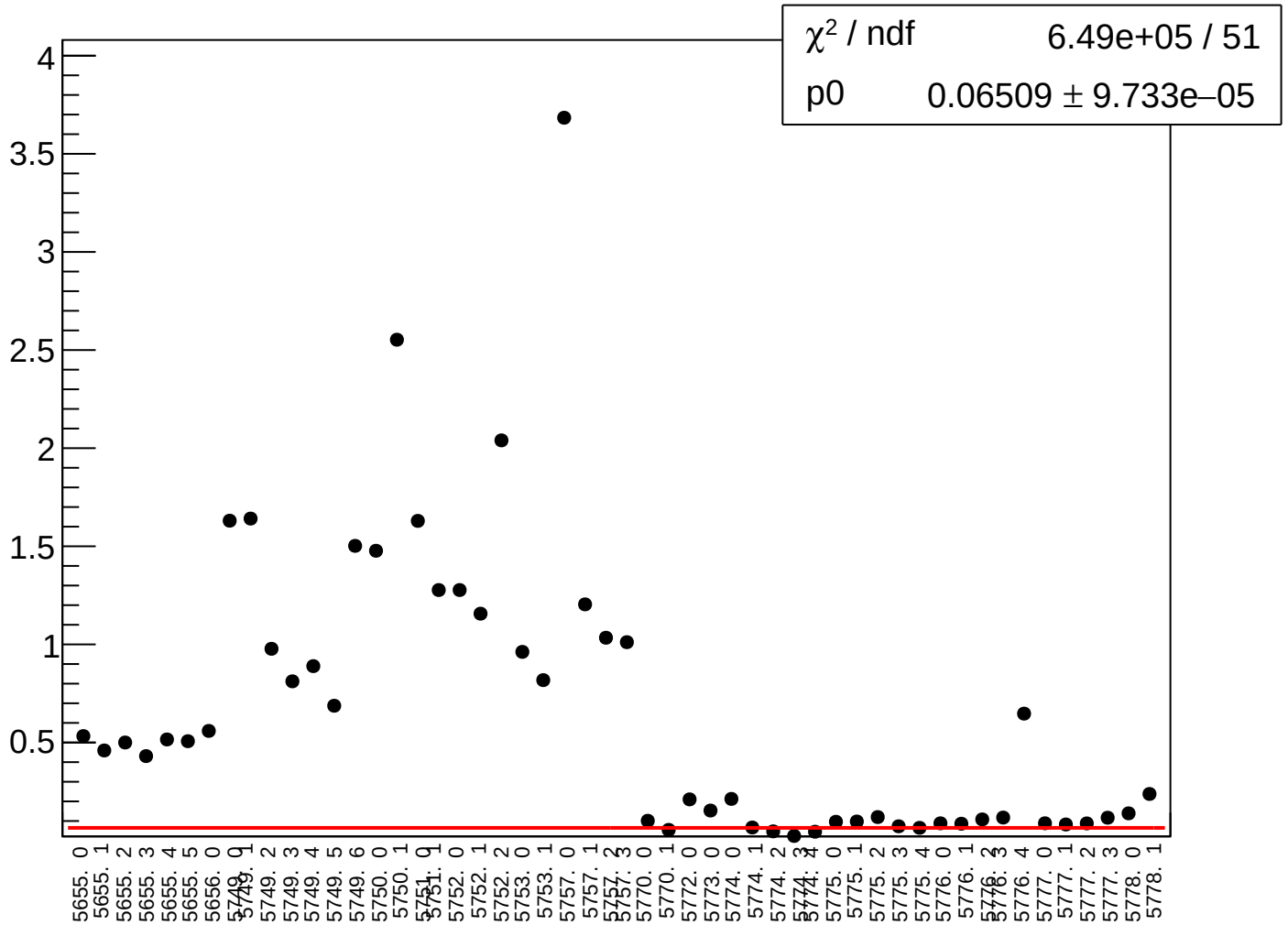

yield_cav4cY_mean vs run
χ² / ndf 9.924e+08 / 51
p0 −7.267 ± 0.001028
pull
Entries 52
Mean 7.484
Std Dev 0

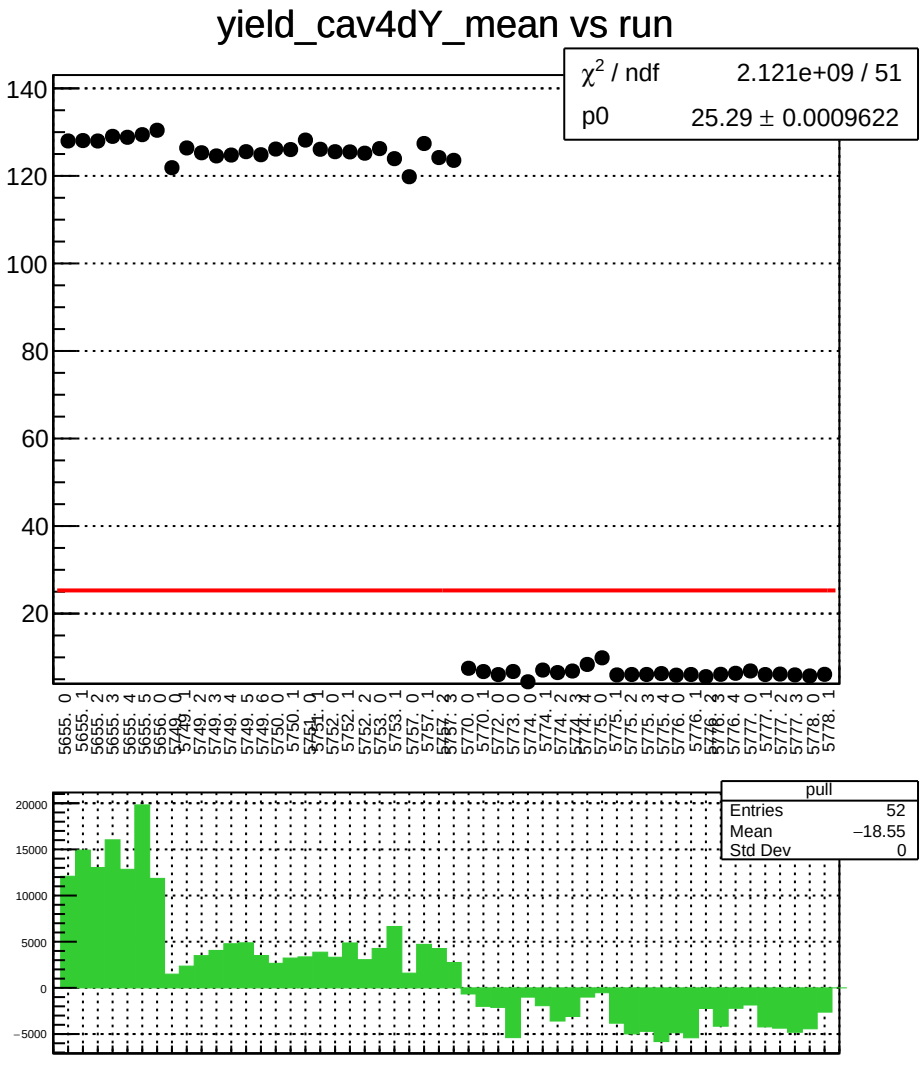

pull1D
Entries 52
Mean 0
Std Dev 0

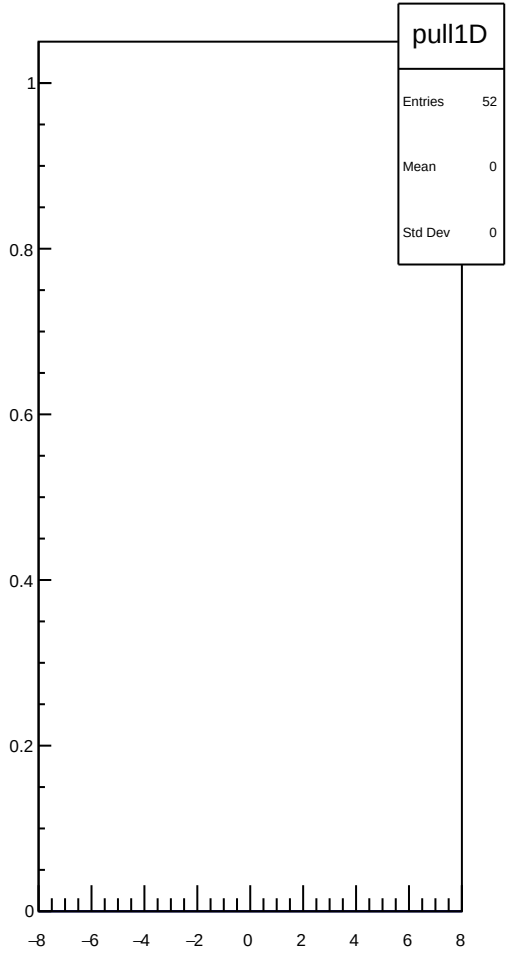

yield_cav4cY_rms vs run
χ² / ndf 5.101e+05 / 51
p0 0.5564 ± 0.0007267
8
7
6
5
4
3
2
1
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

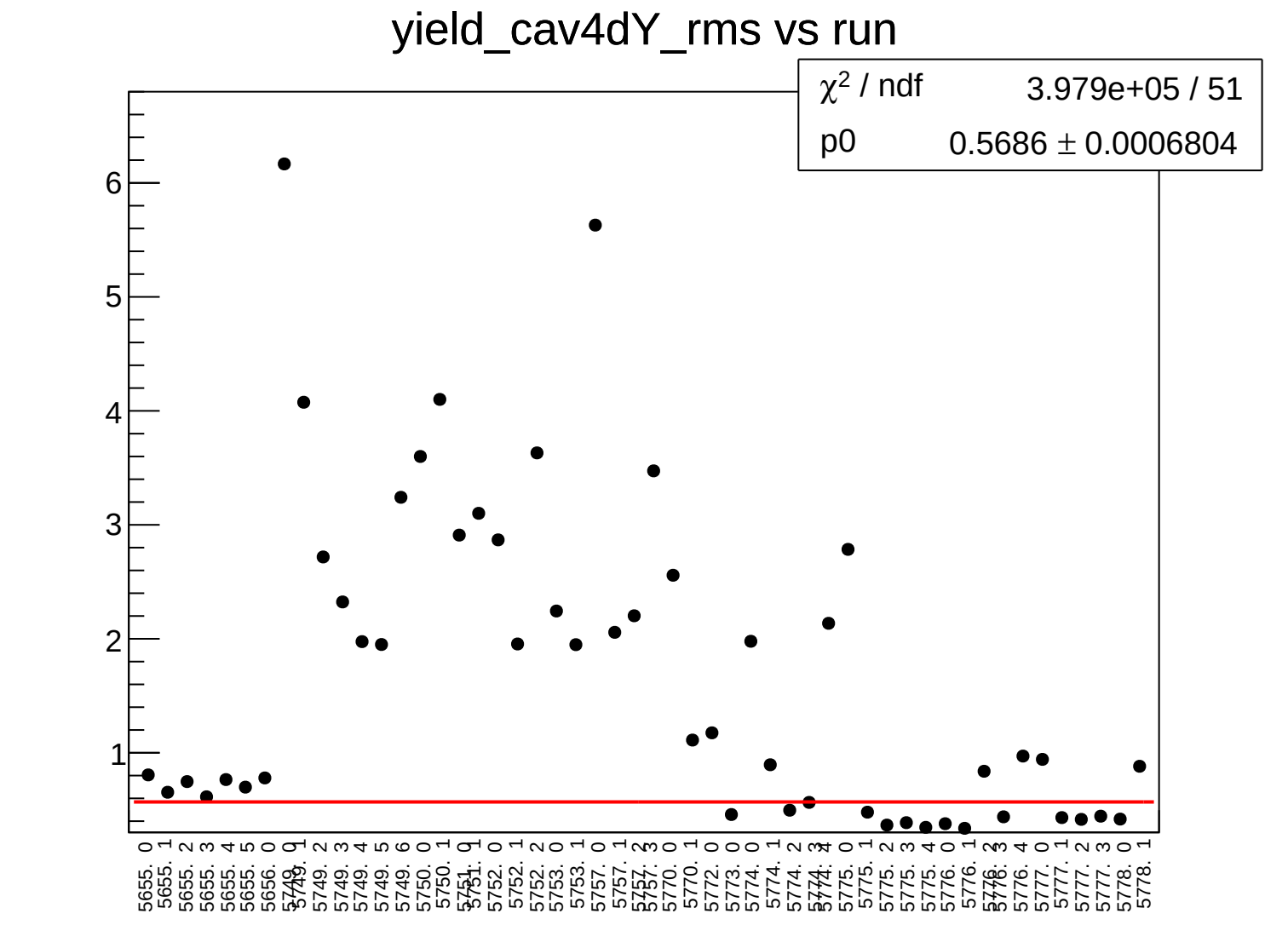

yield_cav4dX_mean vs run
χ² / ndf 5.345e+09 / 51
p0 −8.474 ± 0.0001376
pull
Entries 52
Mean 8.168
Std Dev 0

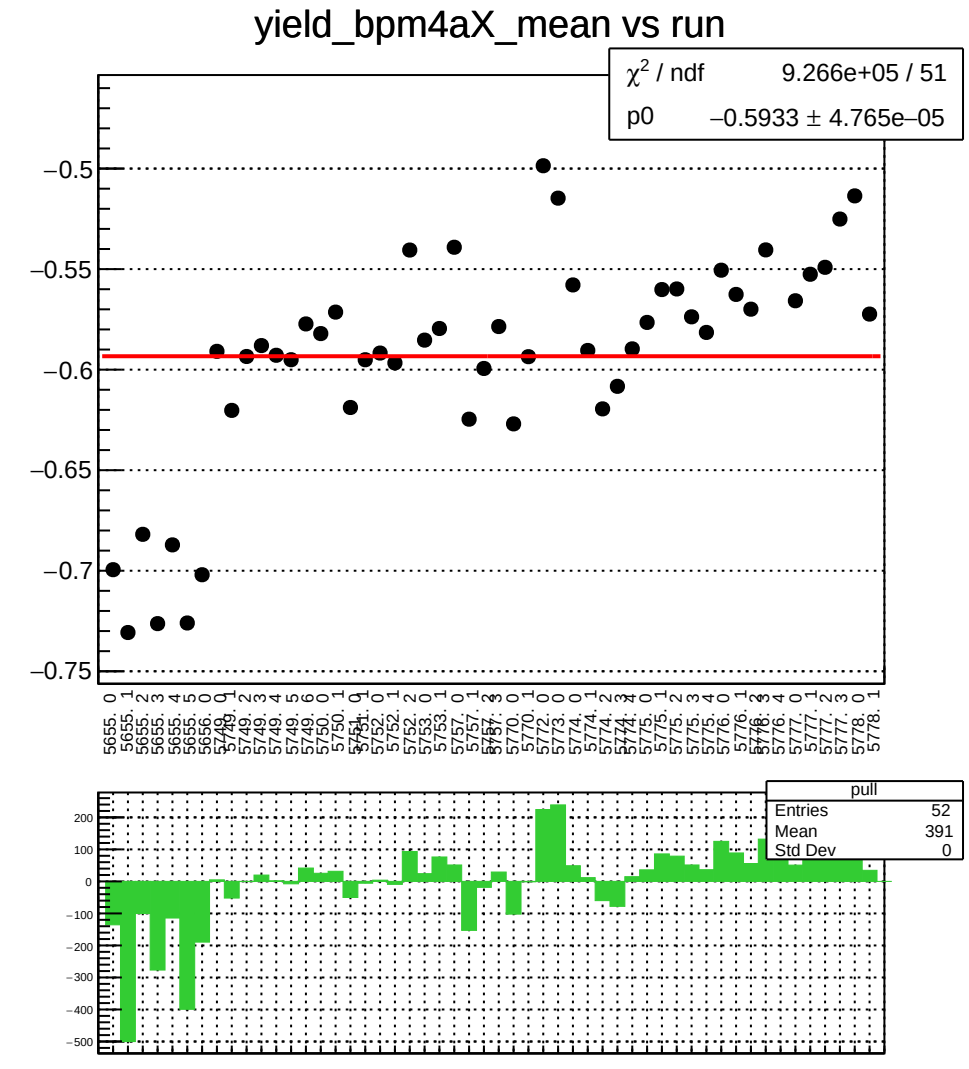

pull1D
Entries 52
Mean 0
Std Dev 0

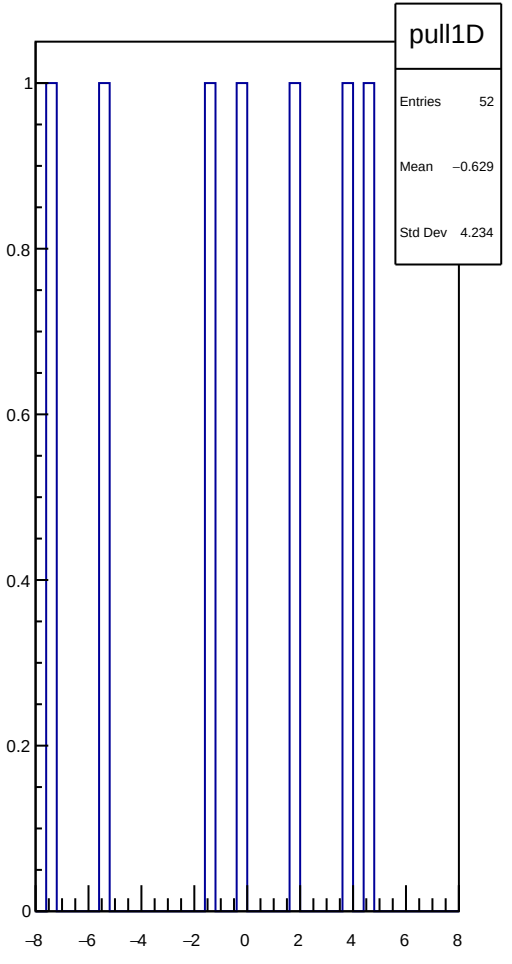

yield_cav4dX_rms vs run
χ² / ndf 6.49e+05 / 51
p0 0.06509 ± 9.733e−05
4
3.5
3
2.5
2
1.5
1
0.5
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

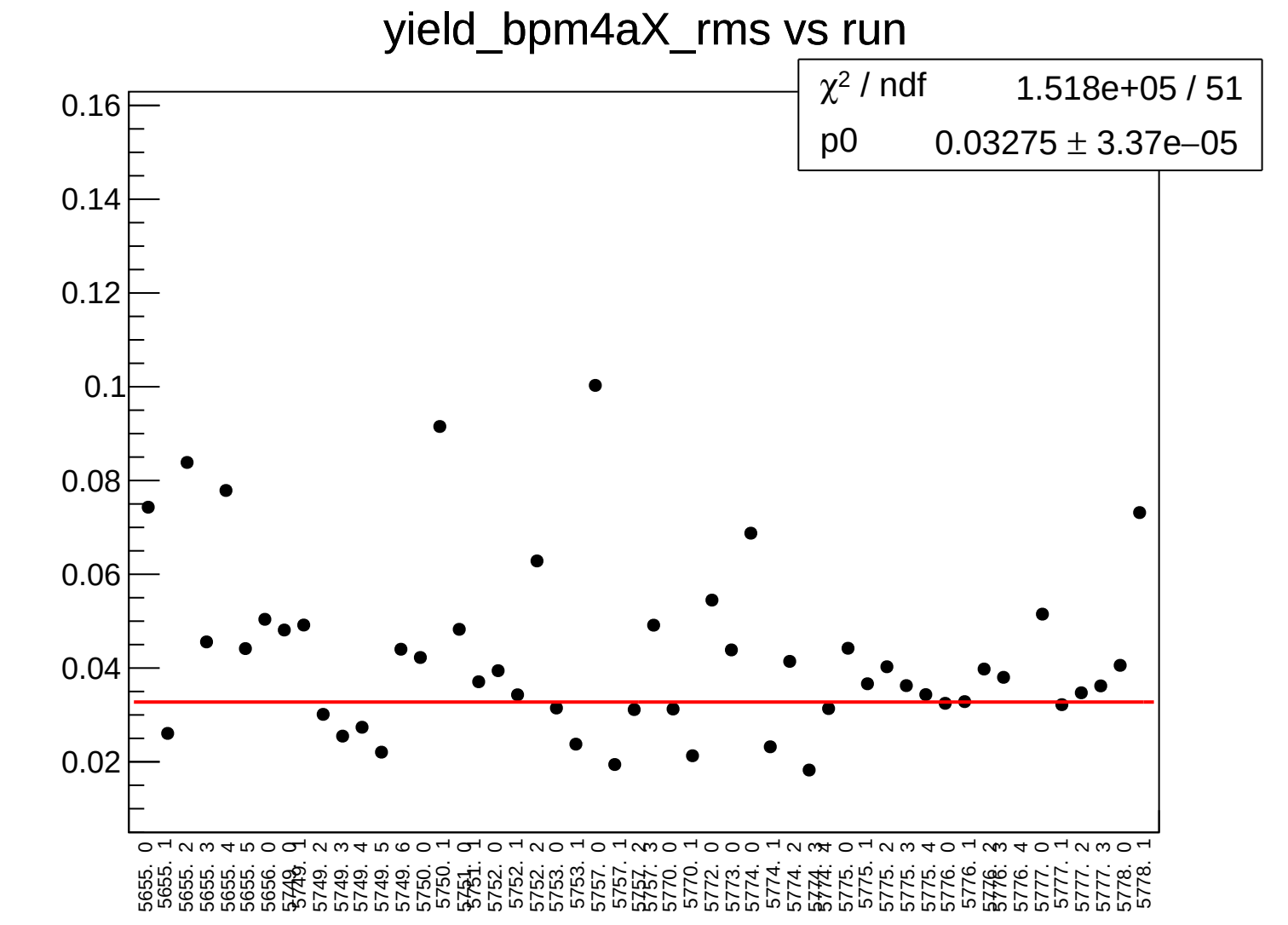

yield_cav4dY_mean vs run
χ² / ndf 2.121e+09 / 51
p0 25.29 ± 0.0009622
pull
Entries 52
Mean −18.55
Std Dev 0

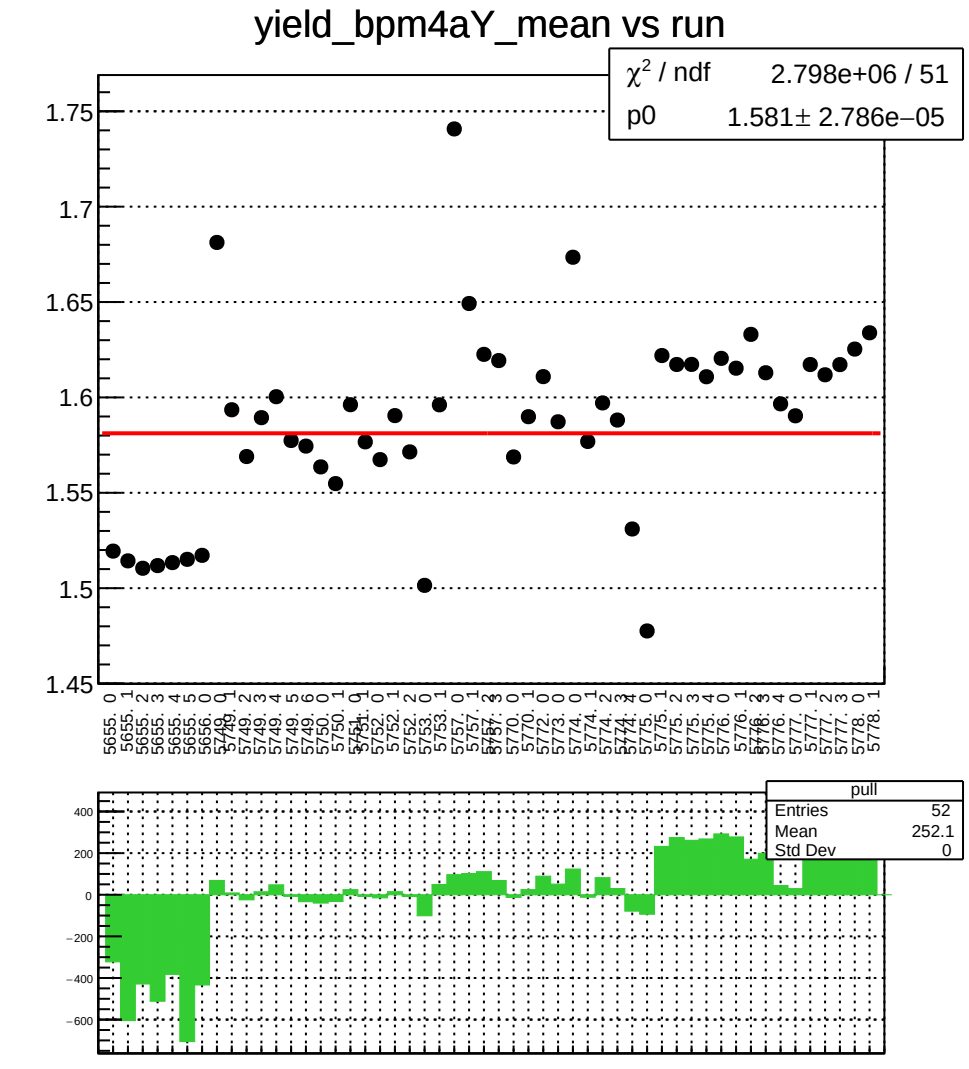

pull1D
Entries 52
Mean 0
Std Dev 0

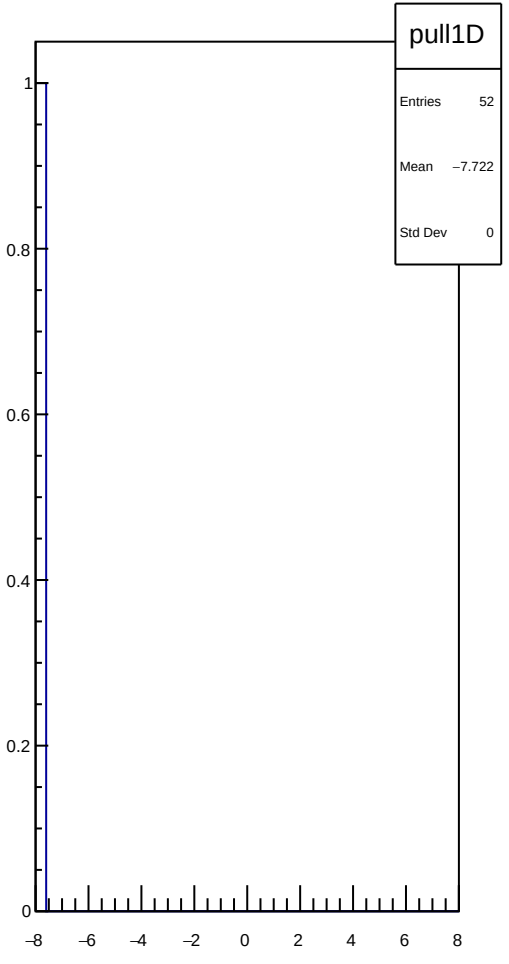

yield_cav4dY_rms vs run
χ² / ndf 3.979e+05 / 51
p0 0.5686 ± 0.0006804
6
5
4
3
2
1
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

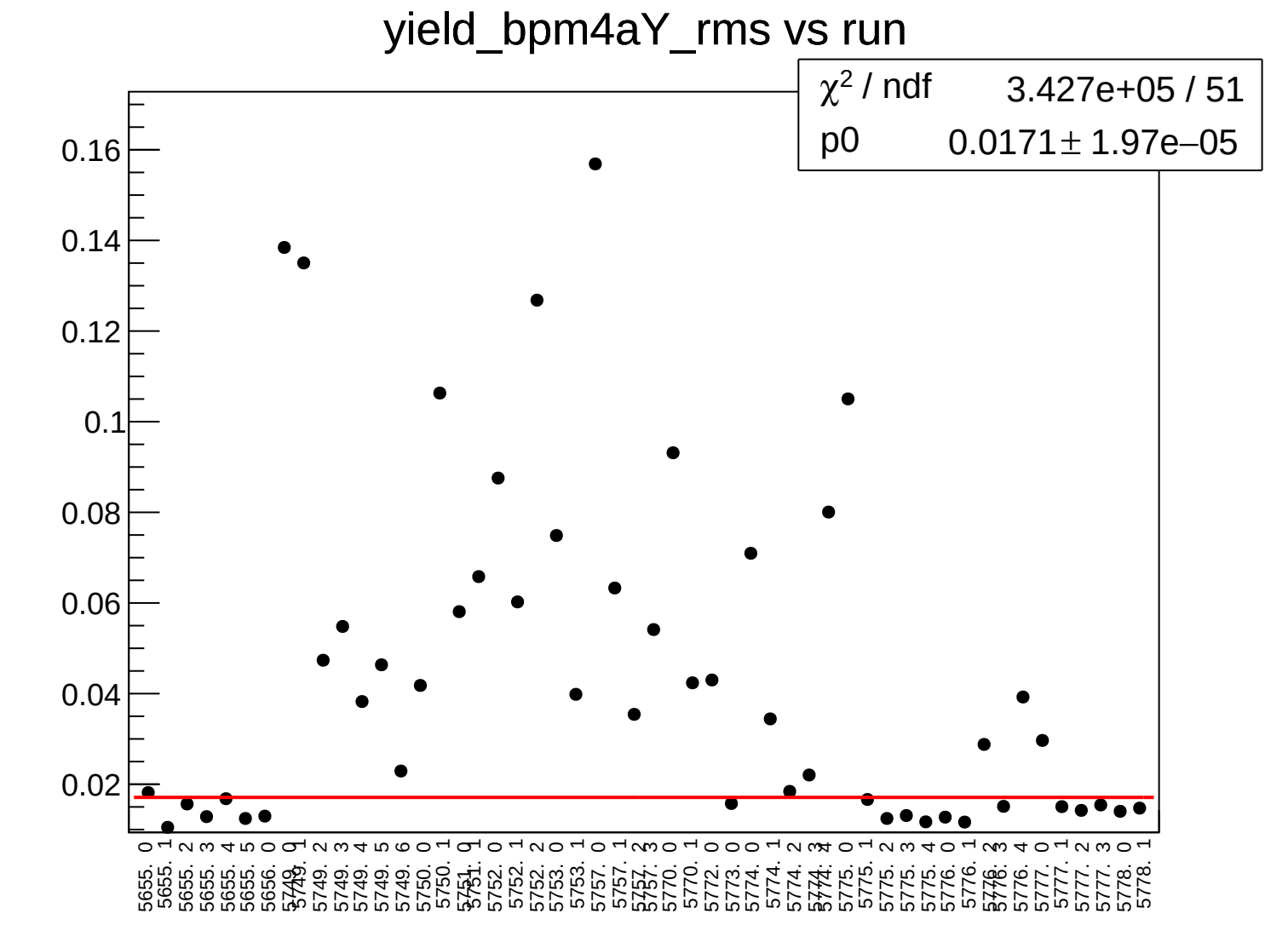

yield_bpm4aX_mean vs run
χ² / ndf 9.266e+05 / 51
p0 −0.5933 ± 4.765e−05
−0.5
−0.55
−0.6
−0.65
−0.7
−0.75
pull
Entries 52
Mean 391
Std Dev 0
200
100
0
−100
−200
−300
−400
−500


pull1D
Entries 52
Mean −0.629
Std Dev 4.234
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bpm4aX_rms vs run
χ² / ndf 1.518e+05 / 51
p0 0.03275 ± 3.37e−05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


yield_bpm4aY_mean vs run
χ² / ndf 2.798e+06 / 51
p0 1.581± 2.786e−05
pull
Entries 52
Mean 252.1
Std Dev 0


pull1D
Entries 52
Mean −7.722
Std Dev 0


yield_bpm4aY_rms vs run
χ² / ndf 3.427e+05 / 51
p0 0.0171 ± 1.97e−05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
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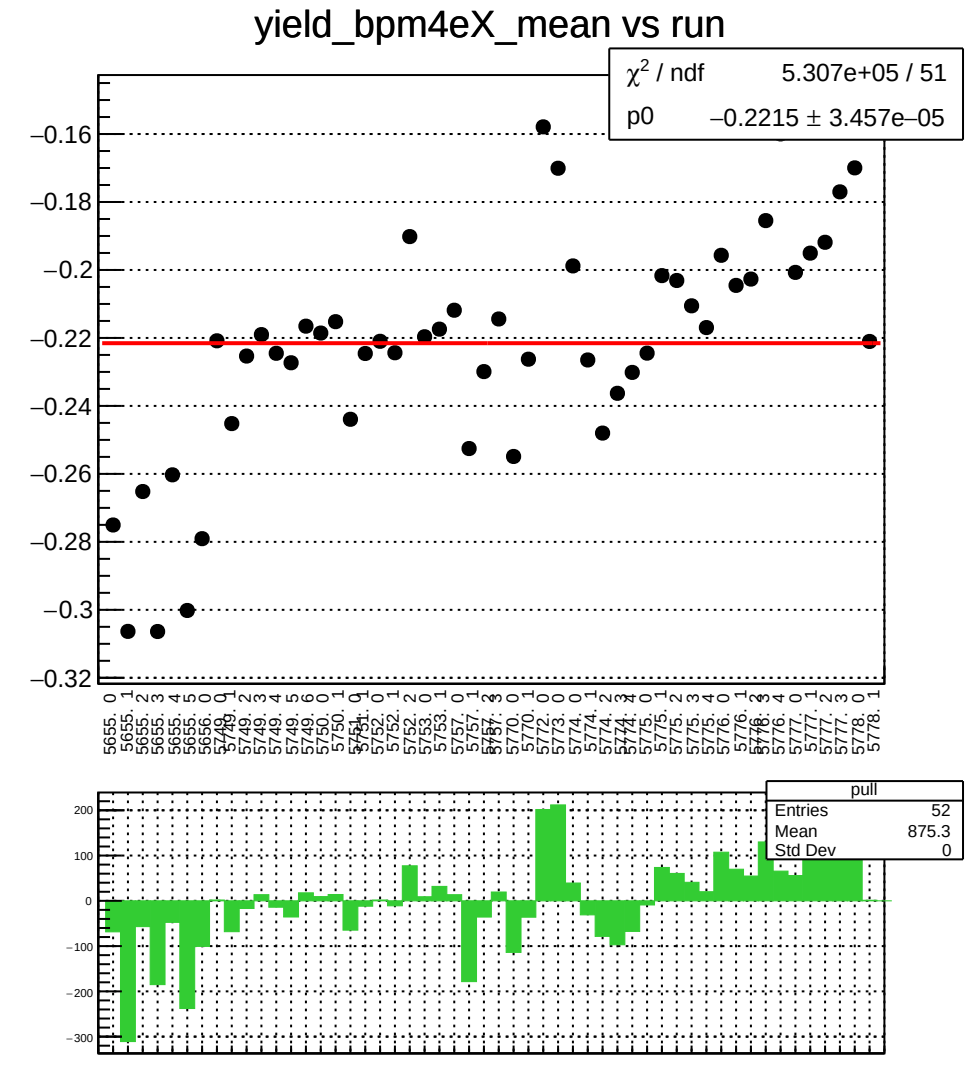
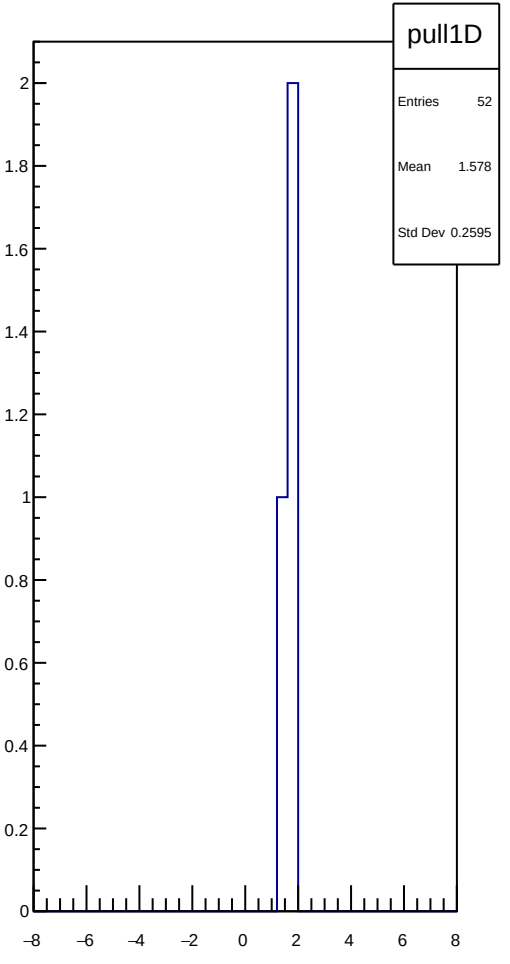
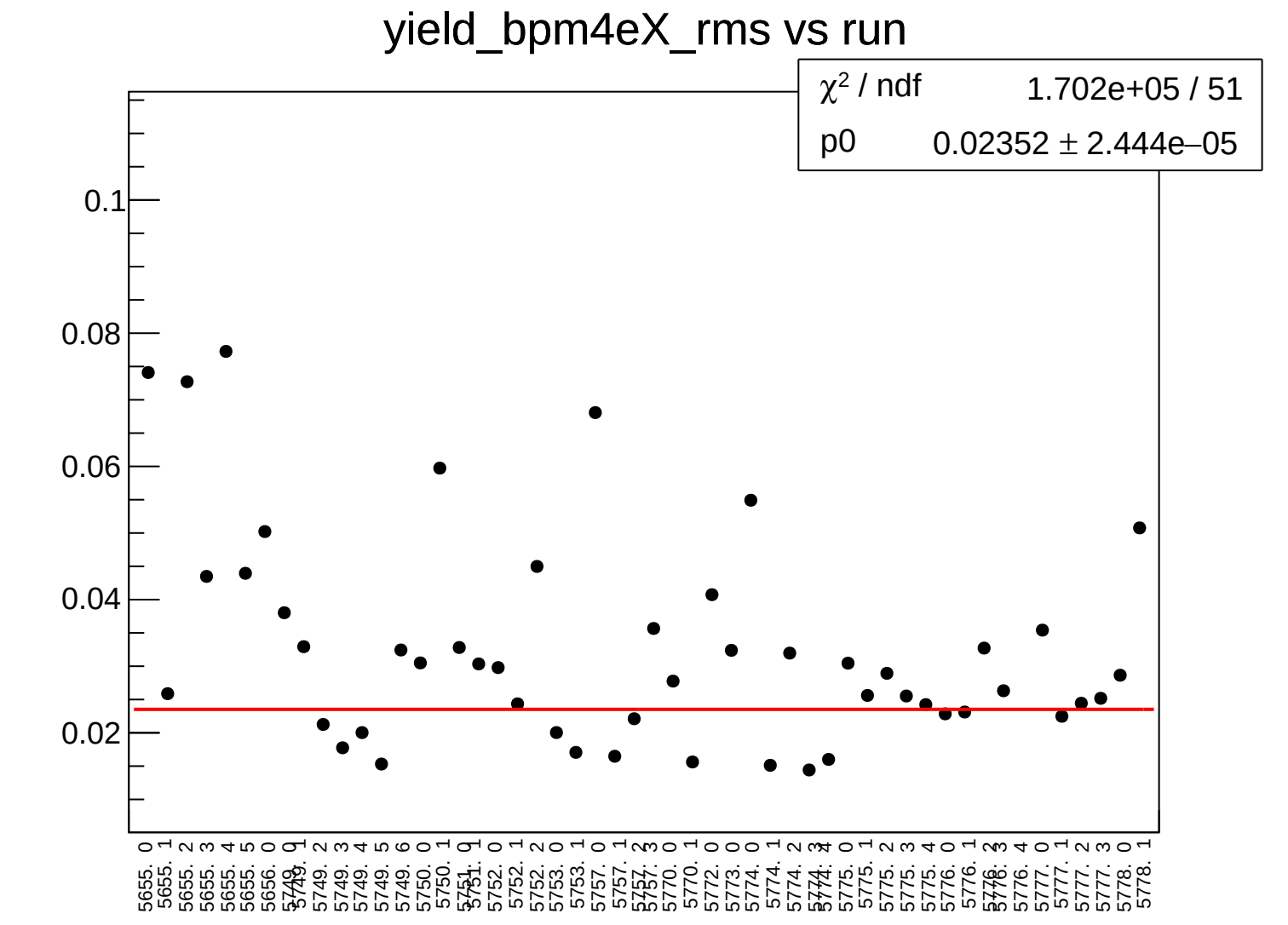
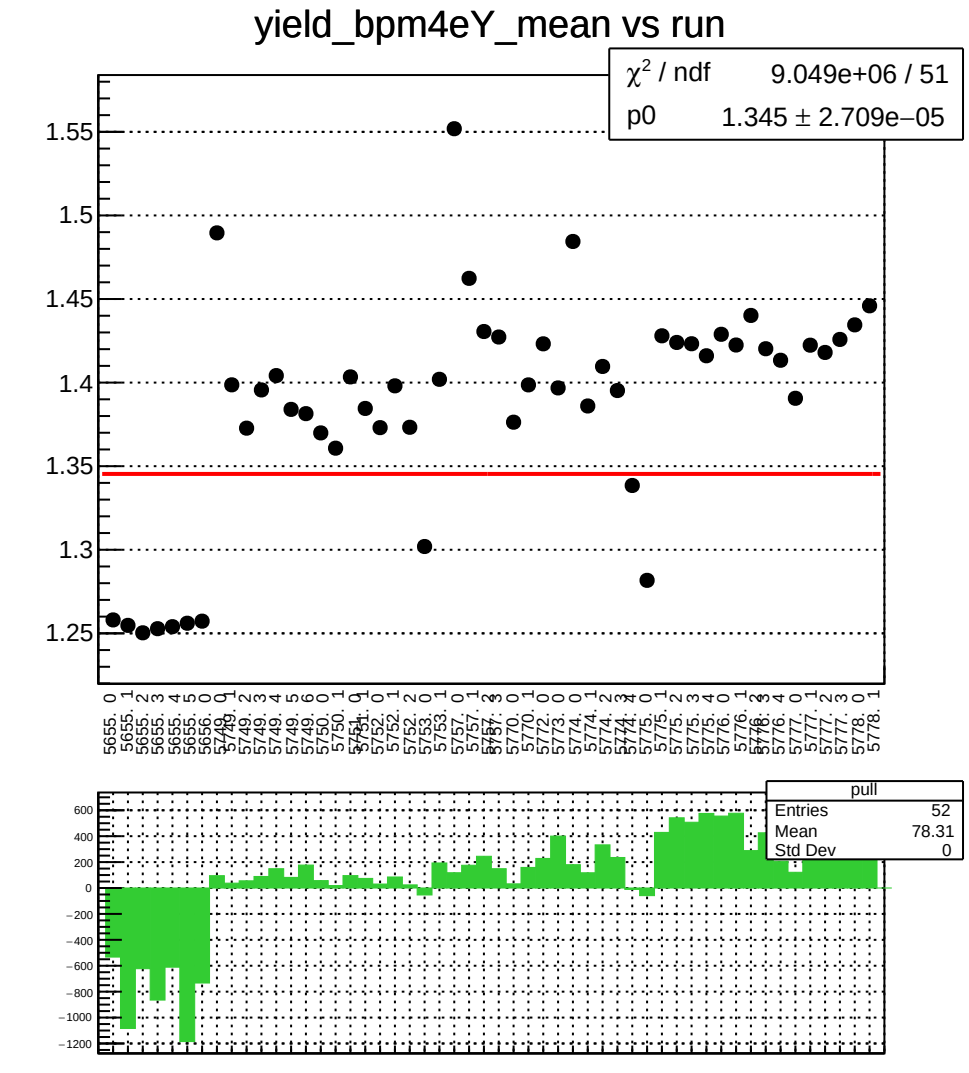
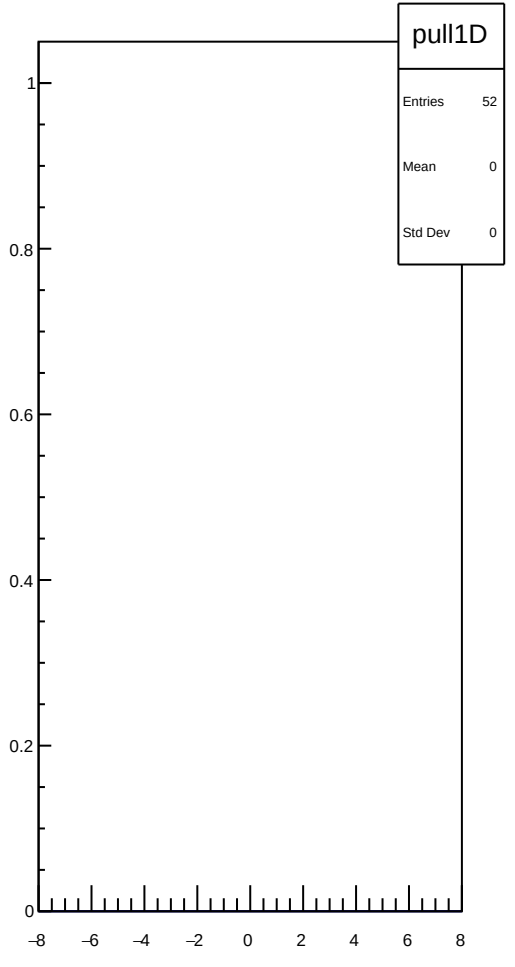
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

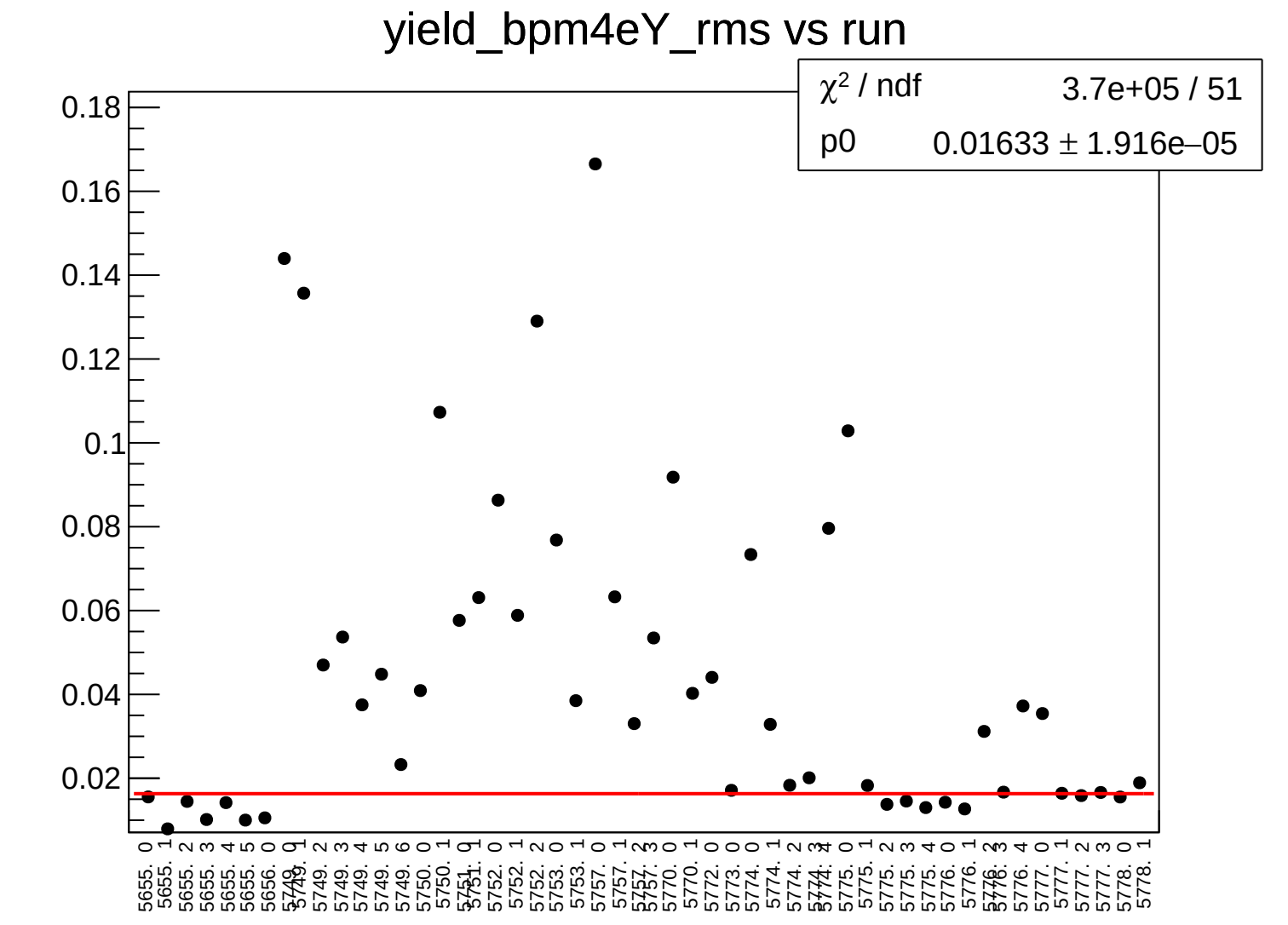

yield_bpm4eX_mean vs run
χ² / ndf 5.307e+05 / 51
p0 −0.2215 ± 3.457e−05
pull
Entries 52
Mean 875.3
Std Dev 0


pull1D
Entries 52
Mean 1.578
Std Dev 0.2595


yield_bpm4eX_rms vs run
χ² / ndf 1.702e+05 / 51
p0 0.02352 ± 2.444e−05
0.1
0.08
0.06
0.04
0.02
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


yield_bpm4eY_mean vs run
χ² / ndf 9.049e+06 / 51
p0 1.345 ± 2.709e−05
1.55
1.5
1.45
1.4
1.35
1.3
1.25
pull
Entries 52
Mean 78.31
Std Dev 0
600
400
200
0
−200
−400
−600
−800
−1000
−1200


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_bpm4eY_rms vs run
χ² / ndf 3.7e+05 / 51
p0 0.01633 ± 1.916e−05
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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5776. 3
5776. 4
5777. 0
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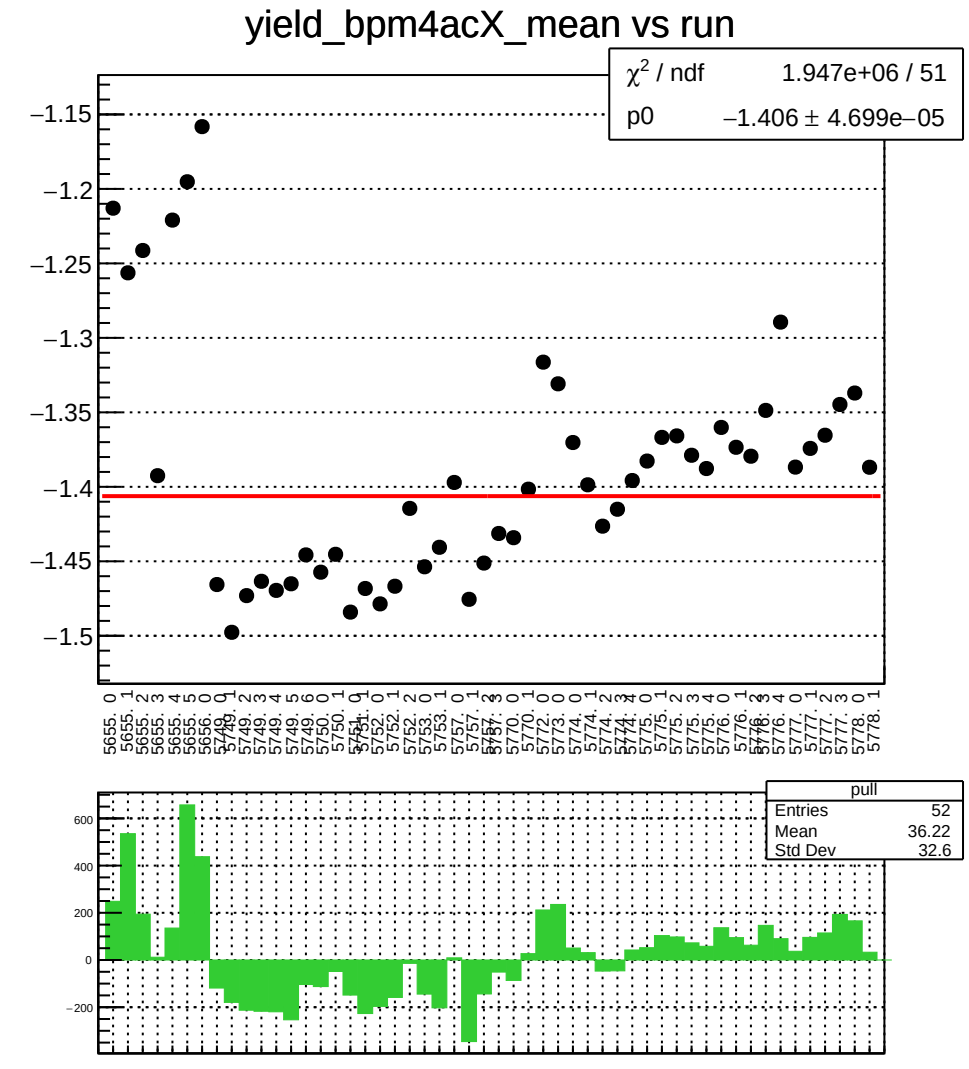
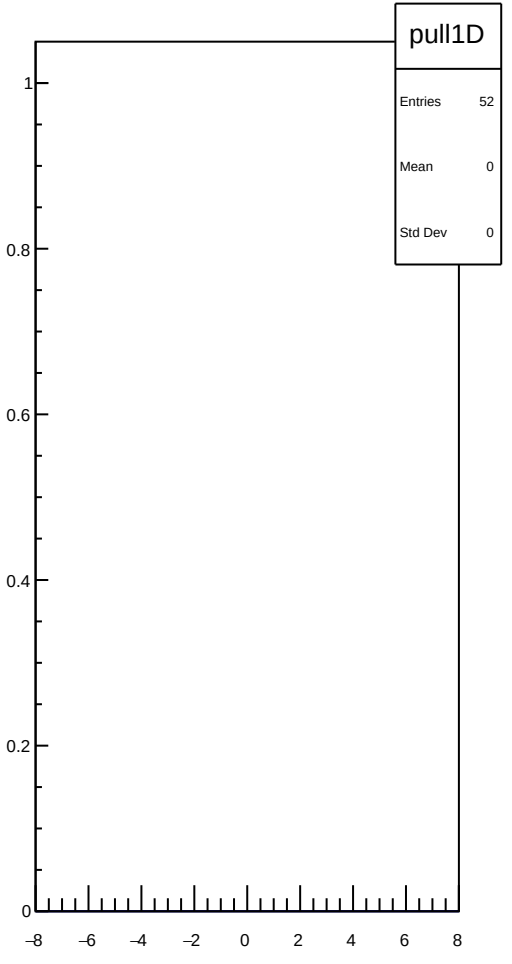
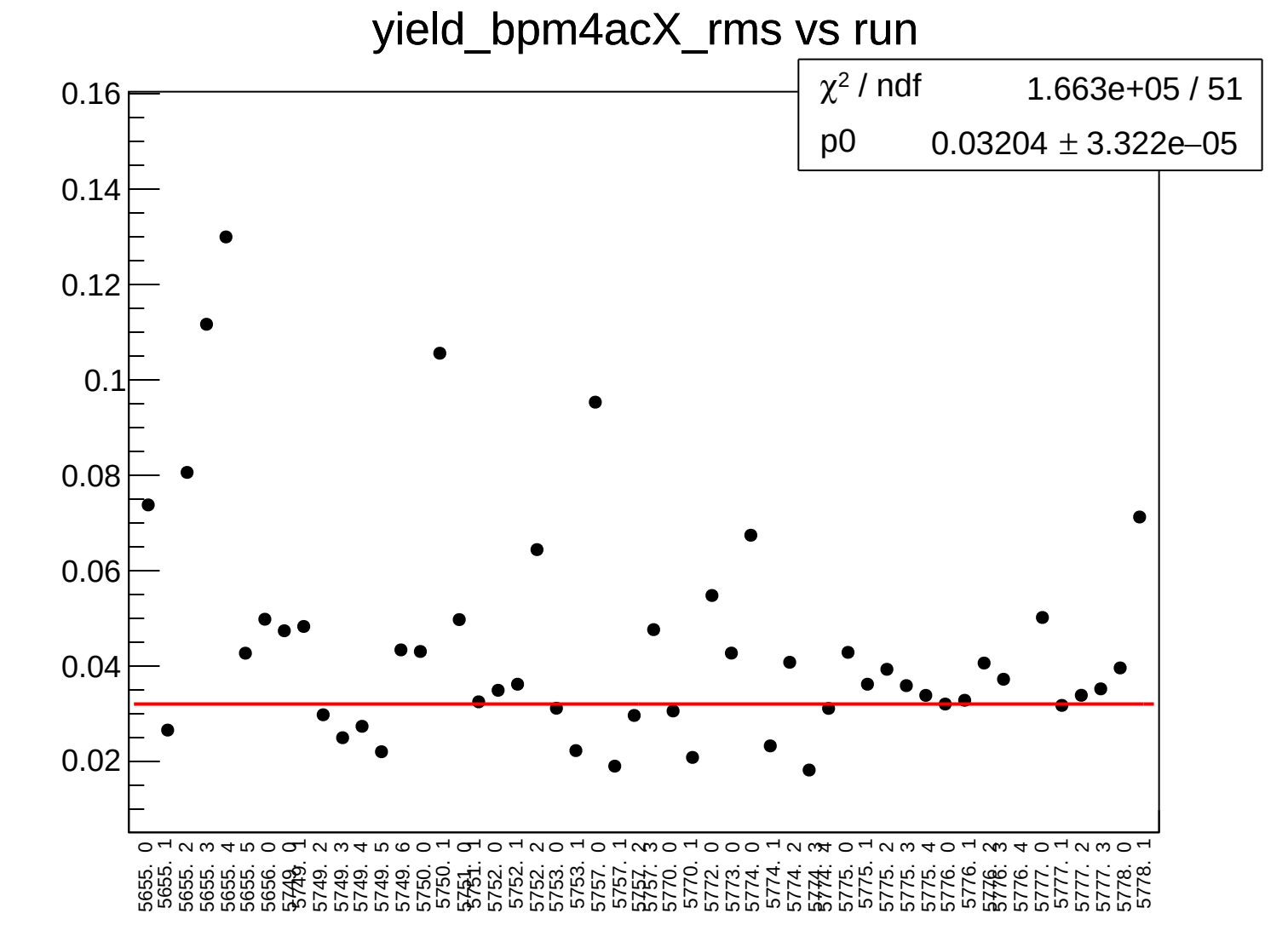
5777. 2
5777. 3
5778. 0
5778. 1


yield_bpm4acX_mean vs run
χ² / ndf 1.947e+06 / 51
p0 −1.406 ± 4.699e−05
pull
Entries 52
Mean 36.22
Std Dev 32.6


pull1D
Entries 52
Mean 0
Std Dev 0


yield_bpm4acX_rms vs run
χ² / ndf 1.663e+05 / 51
p0 0.03204 ± 3.322e−05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
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5776. 1
5776. 4
5777. 0
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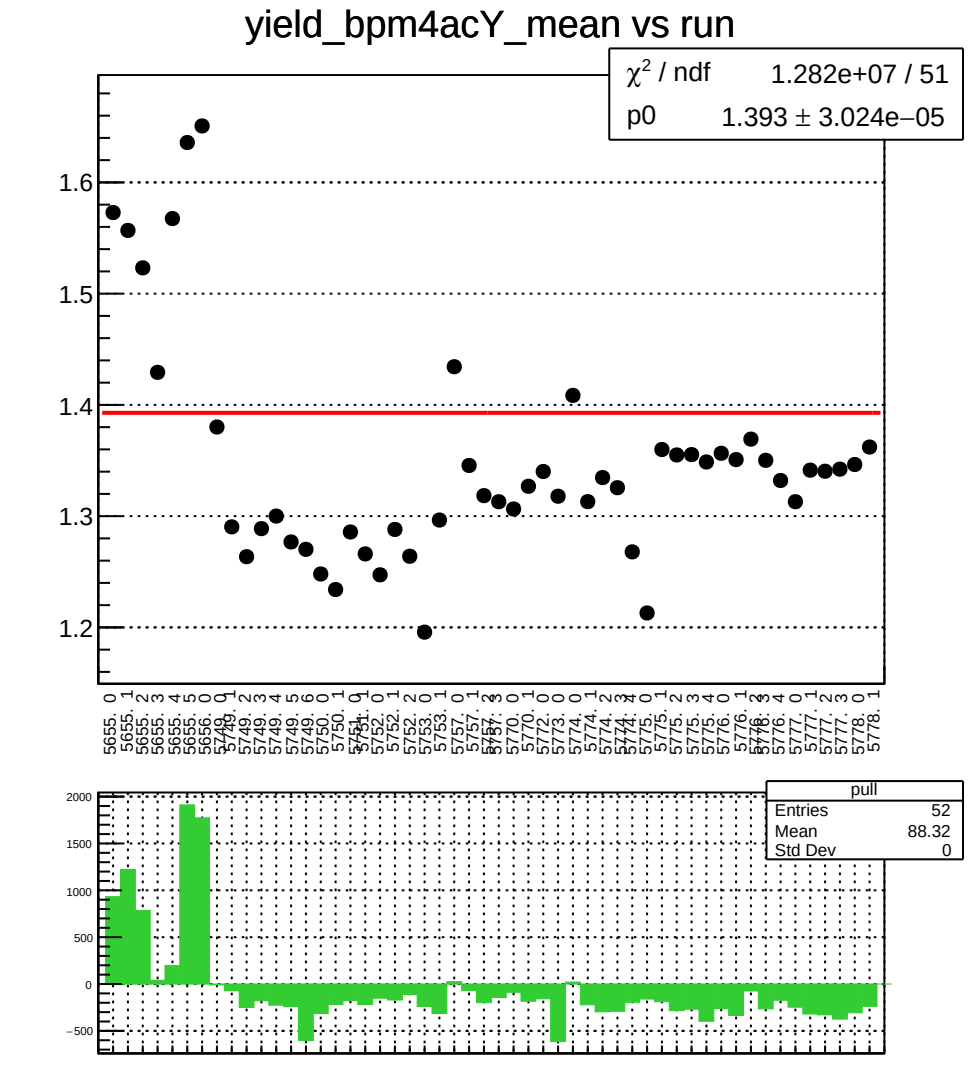
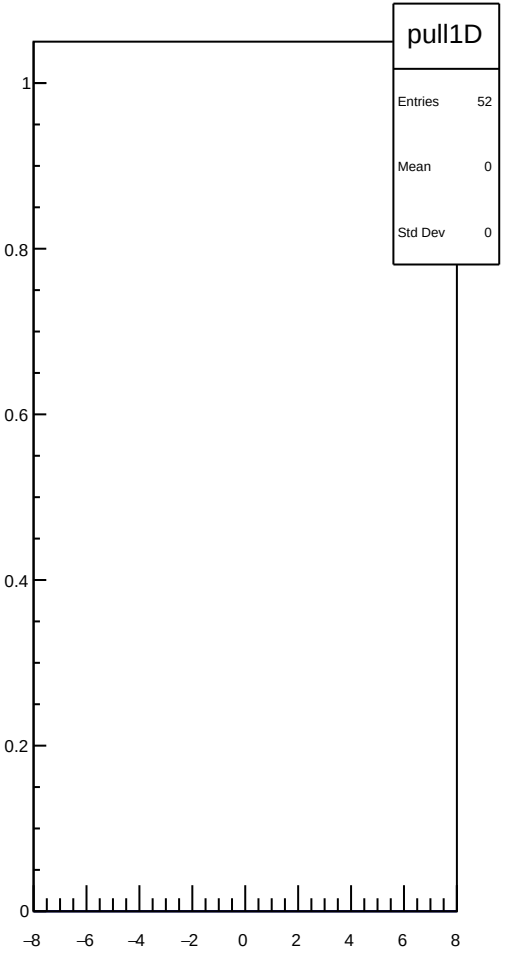
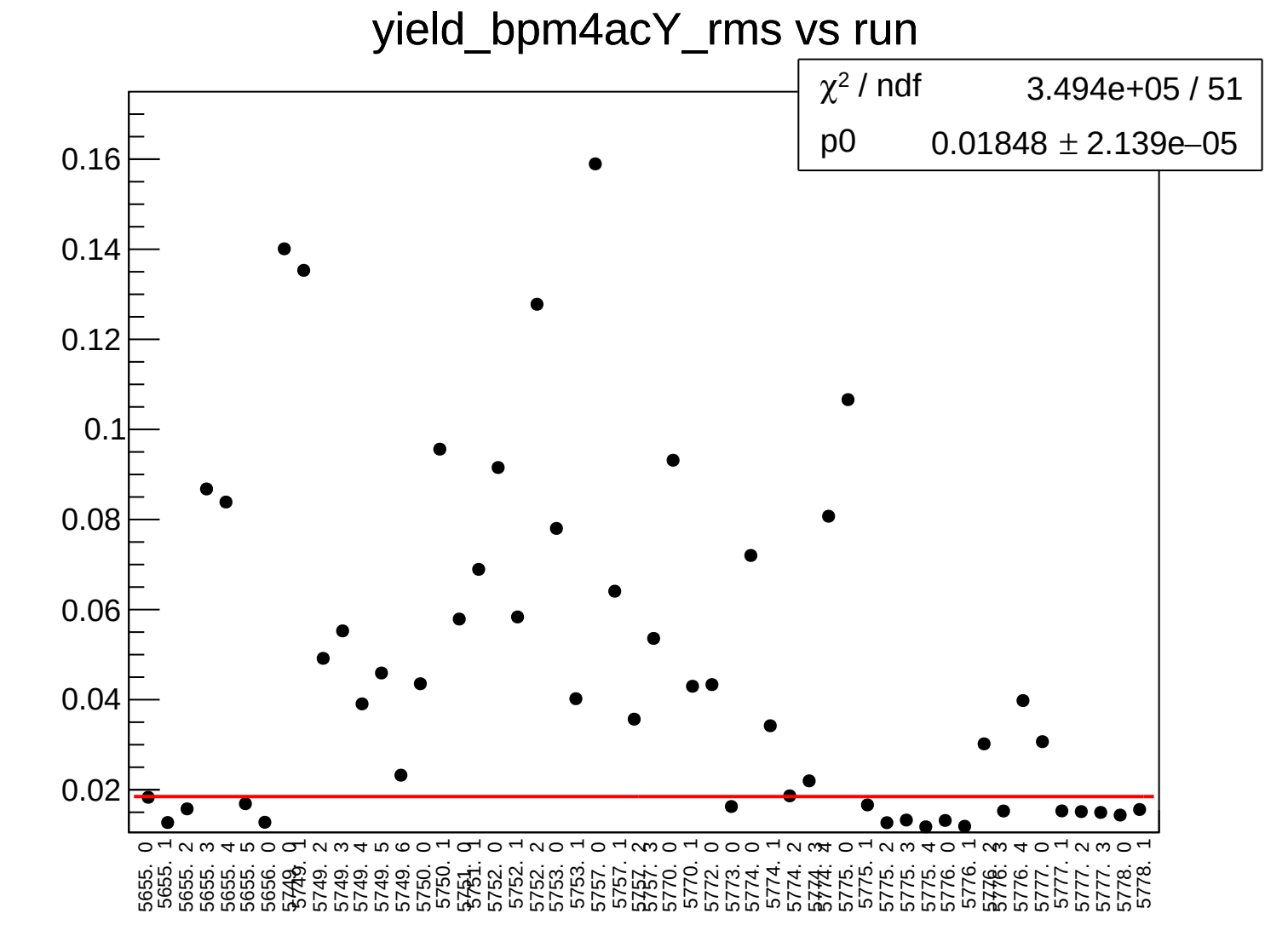
5777. 2
5777. 3
5778. 0
5778. 1


yield_bpm4acY_mean vs run
χ² / ndf 1.282e+07 / 51
p0 1.393 ± 3.024e−05
1.6
1.5
1.4
1.3
1.2
pull
Entries 52
Mean 88.32
Std Dev 0
2000
1500
1000
500
0
−500


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_bpm4acY_rms vs run
χ² / ndf 3.494e+05 / 51
p0 0.01848 ± 2.139e–05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
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5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
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5775. 2
5775. 3
5775. 4
5776. 0
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5777. 2
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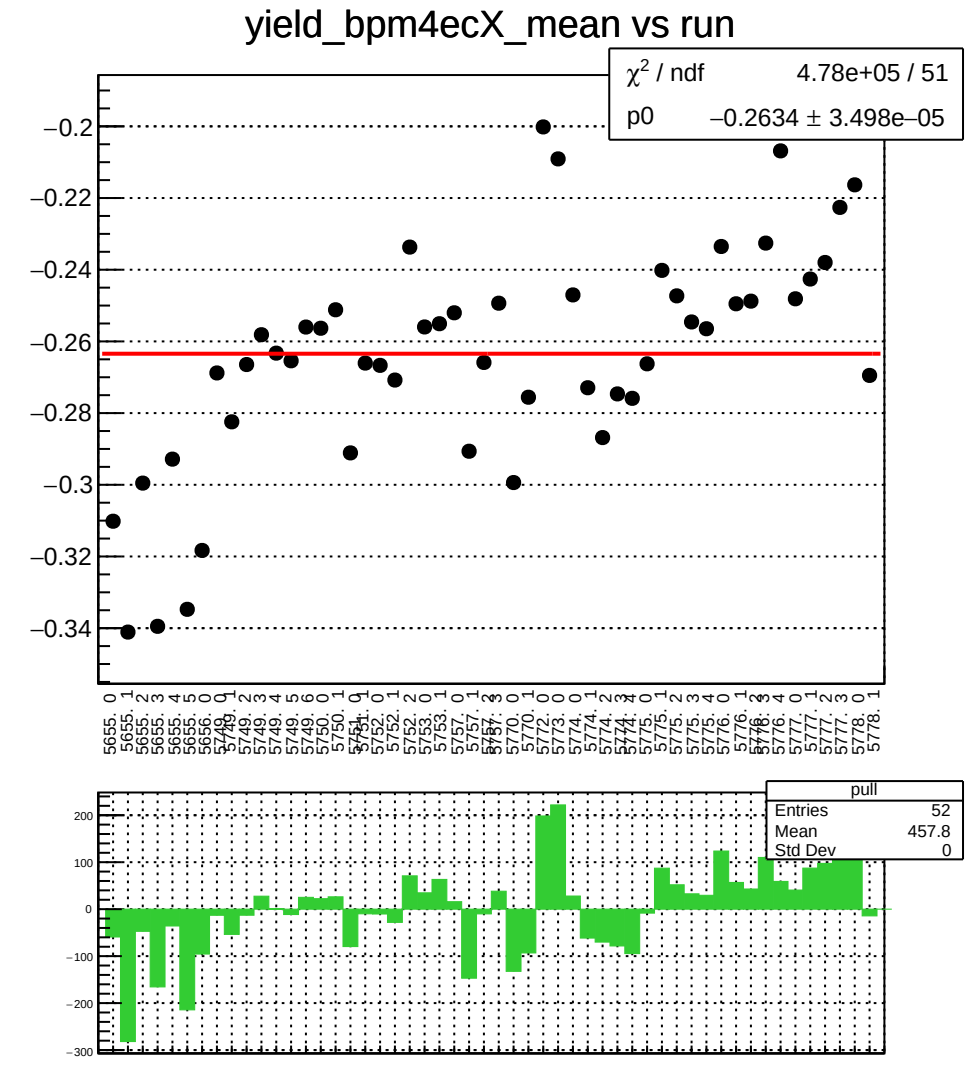
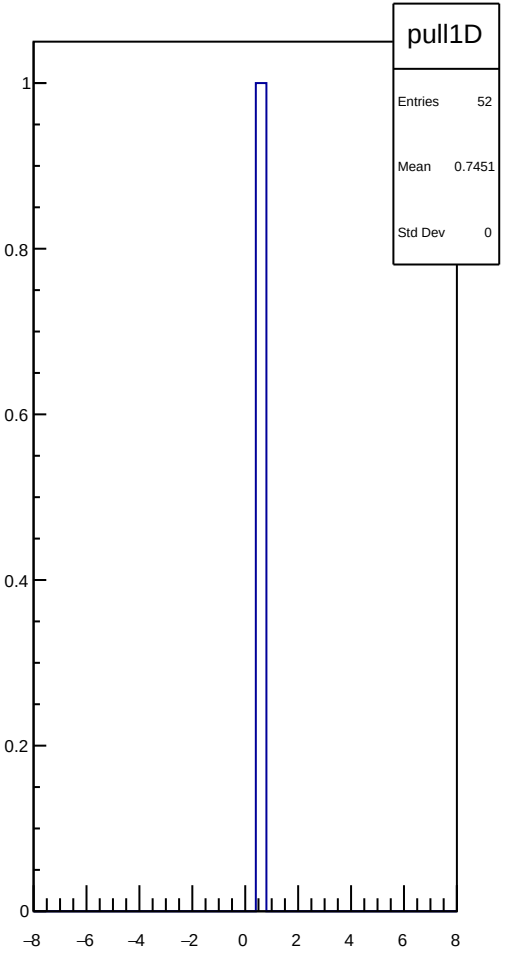
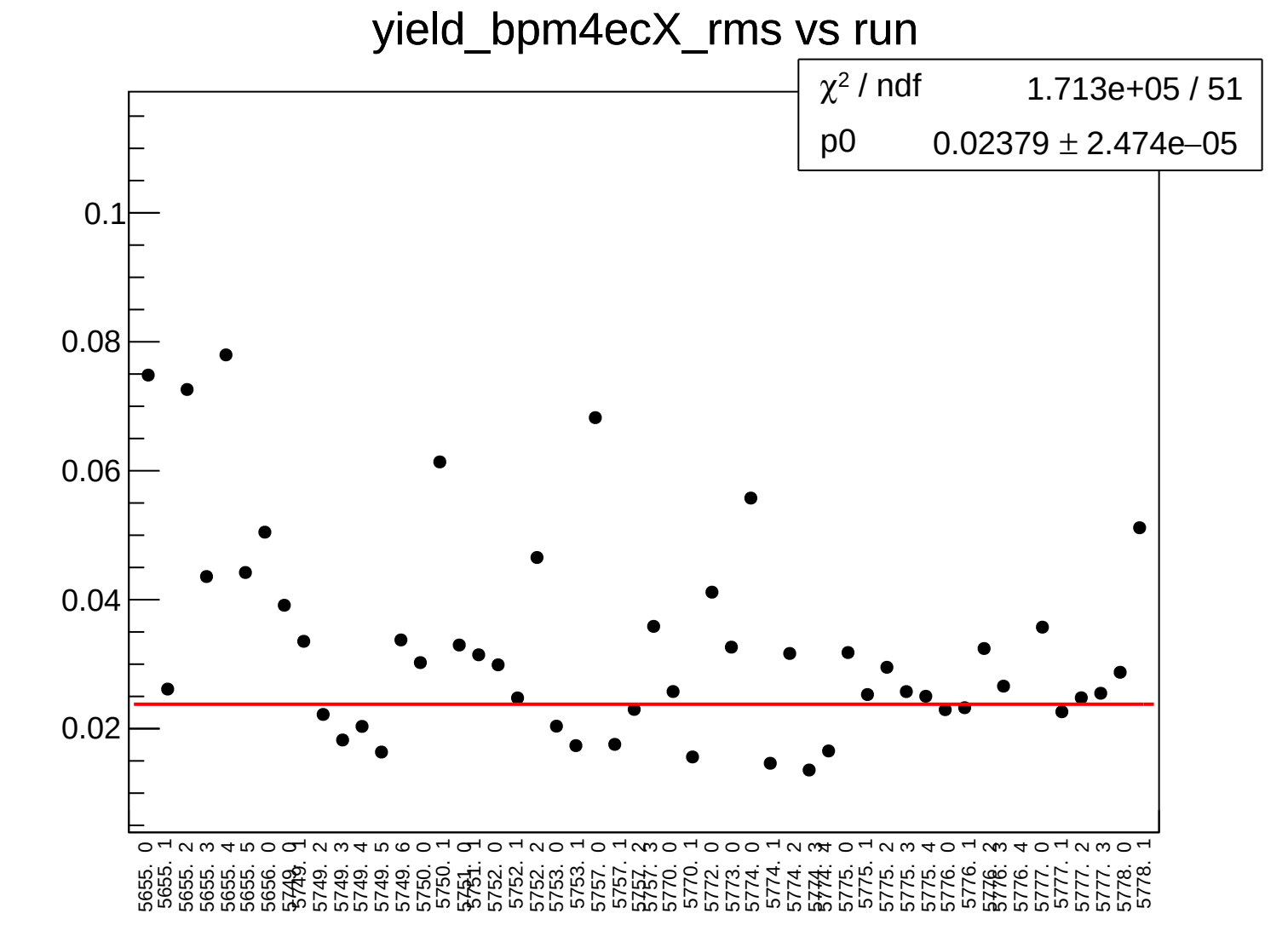
5778. 1


yield_bpm4ecX_mean vs run
χ² / ndf 4.78e+05 / 51
p0 −0.2634 ± 3.498e−05
pull
Entries 52
Mean 457.8
Std Dev 0


pull1D
Entries 52
Mean 0.7451
Std Dev 0


yield_bpm4ecX_rms vs run
χ² / ndf 1.713e+05 / 51
p0 0.02379 ± 2.474e−05
0.1
0.08
0.06
0.04
0.02
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
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5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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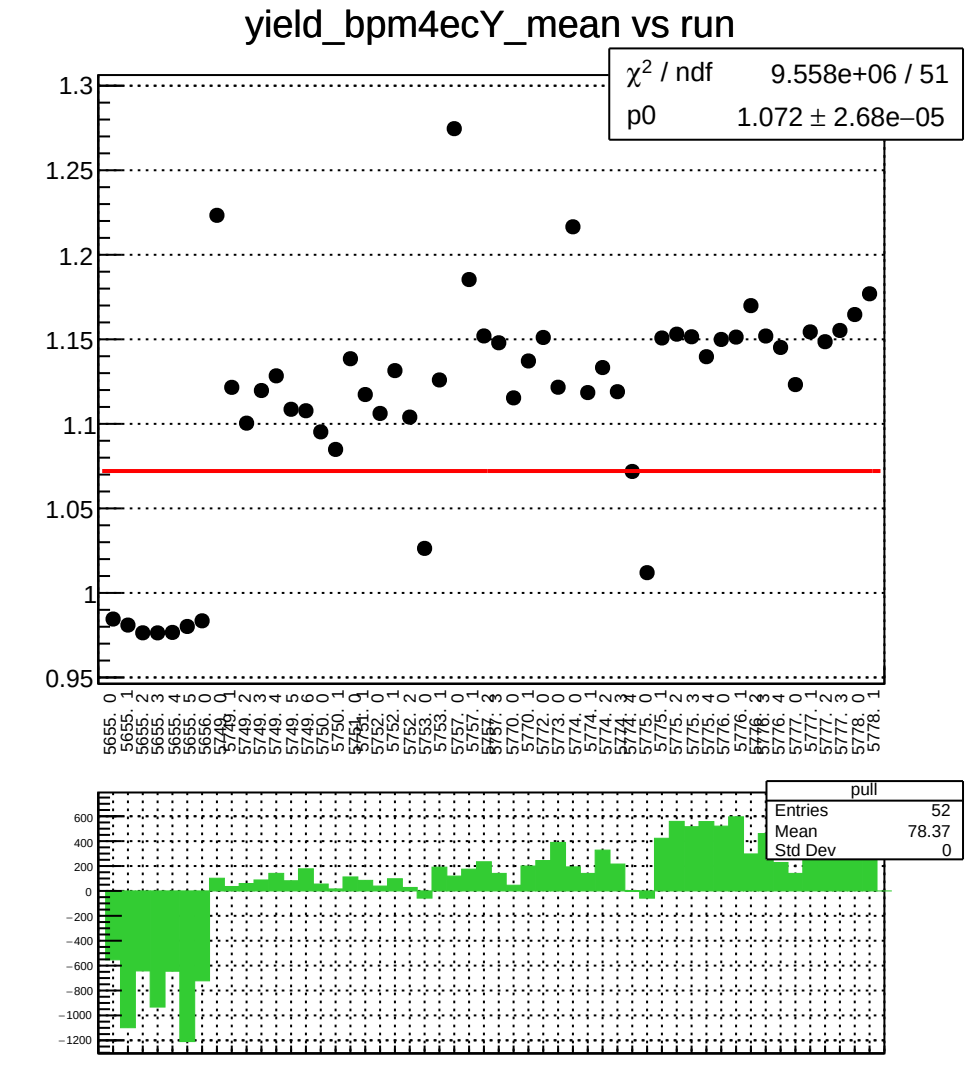
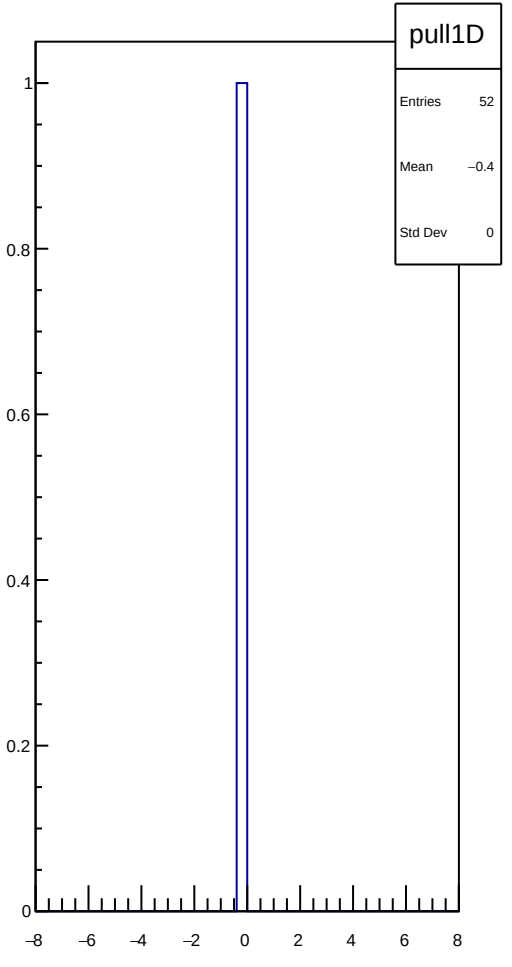
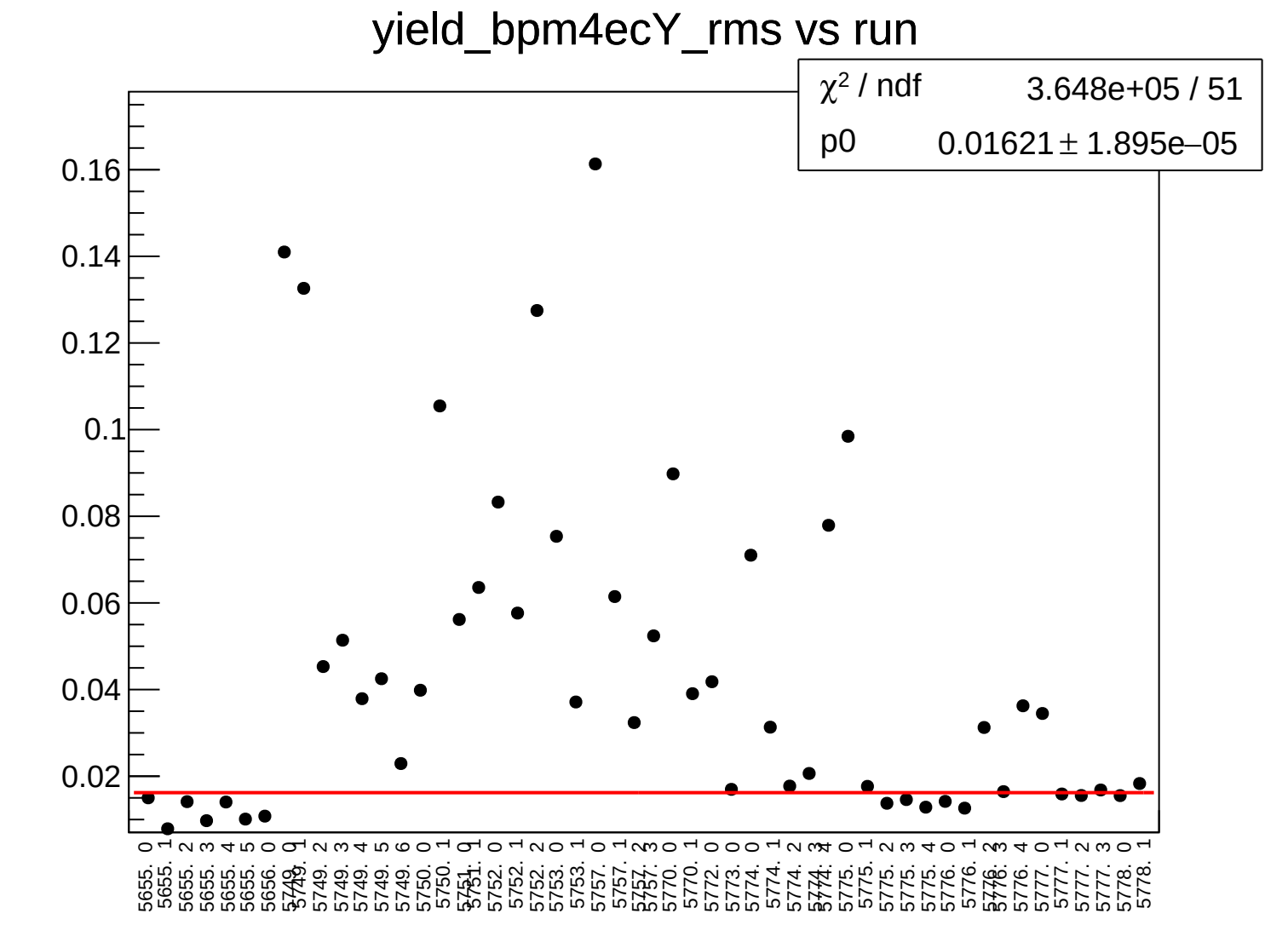
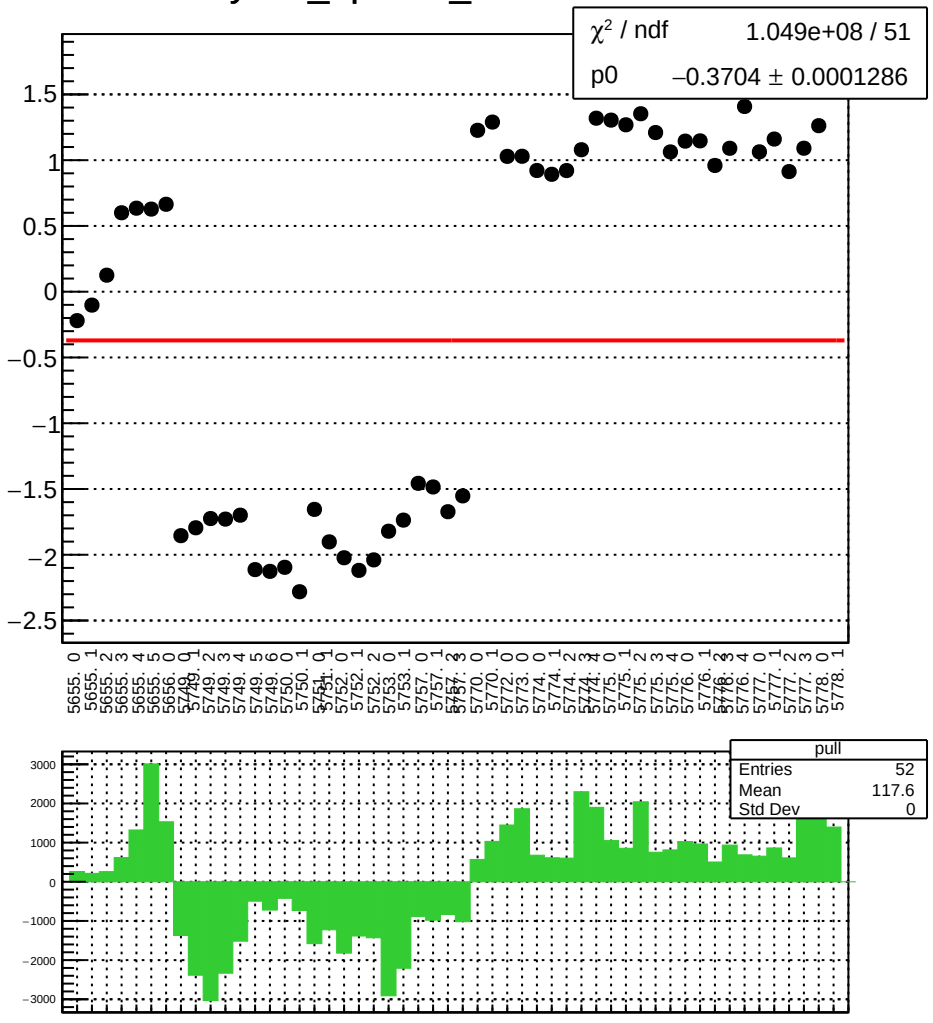
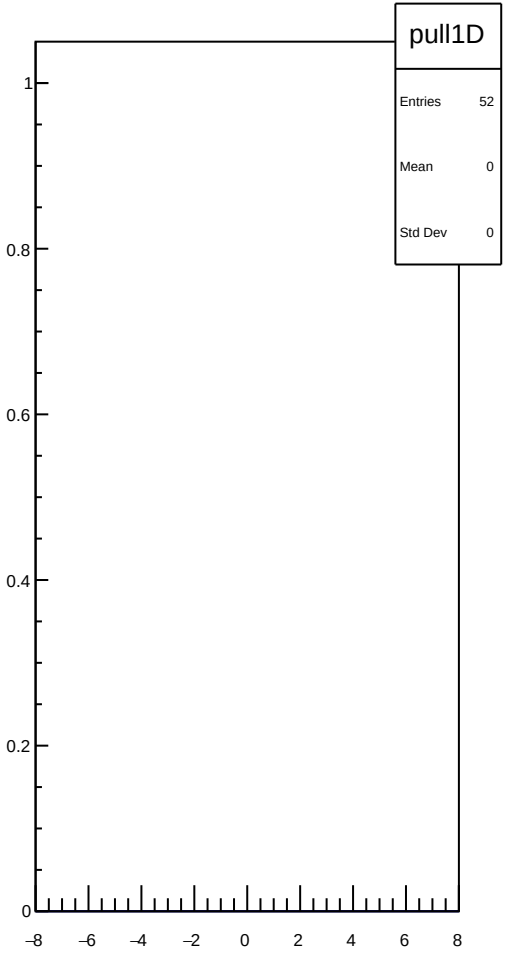
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

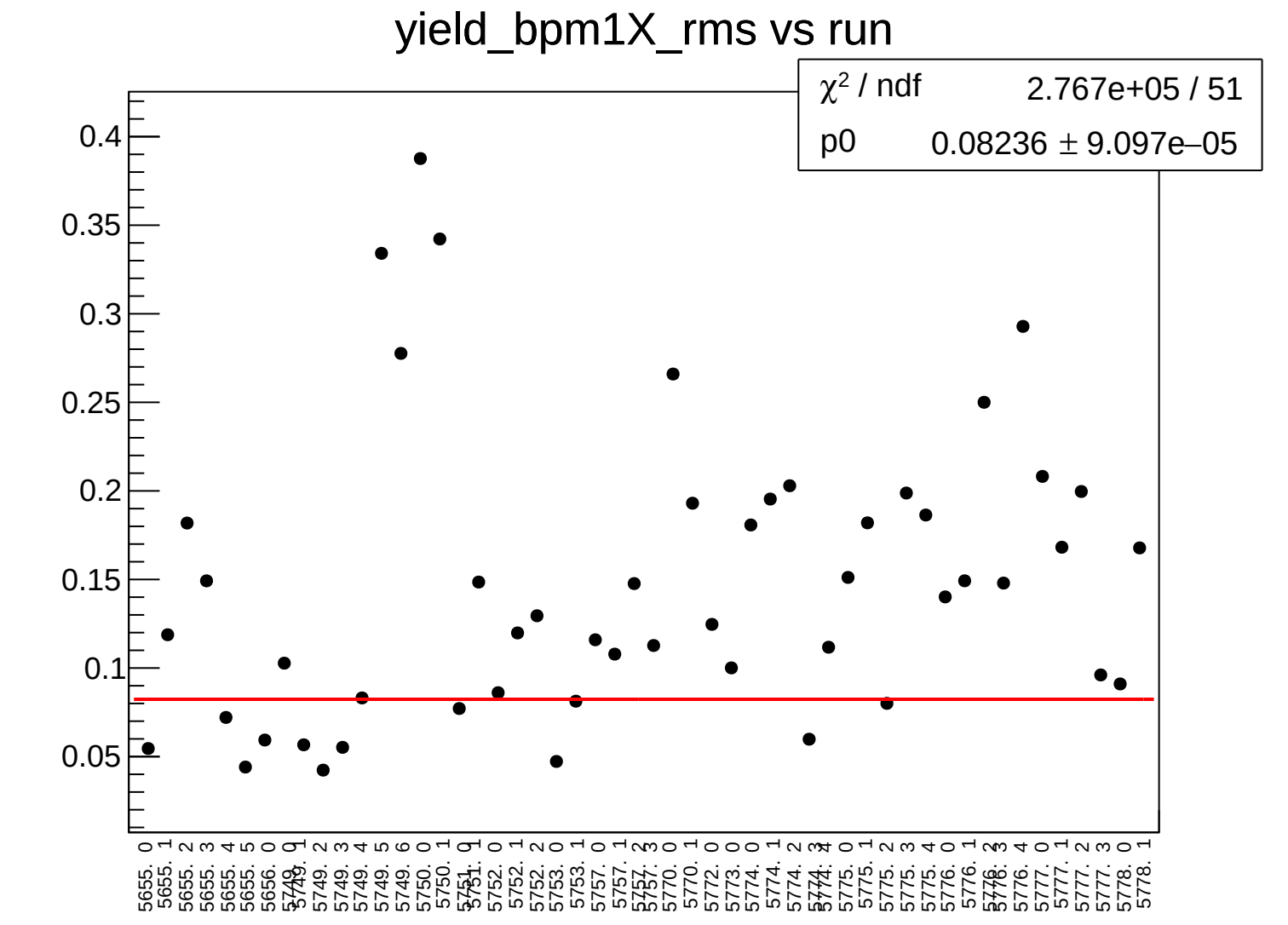

yield_bpm4ecY_mean vs run
χ² / ndf 9.558e+06 / 51
p0 1.072 ± 2.68e−05
1.3
1.25
1.2
1.15
1.1
1.05
1
0.95
pull
Entries 52
Mean 78.37
Std Dev 0
600
400
200
0
−200
−400
−600
−800
−1000
−1200

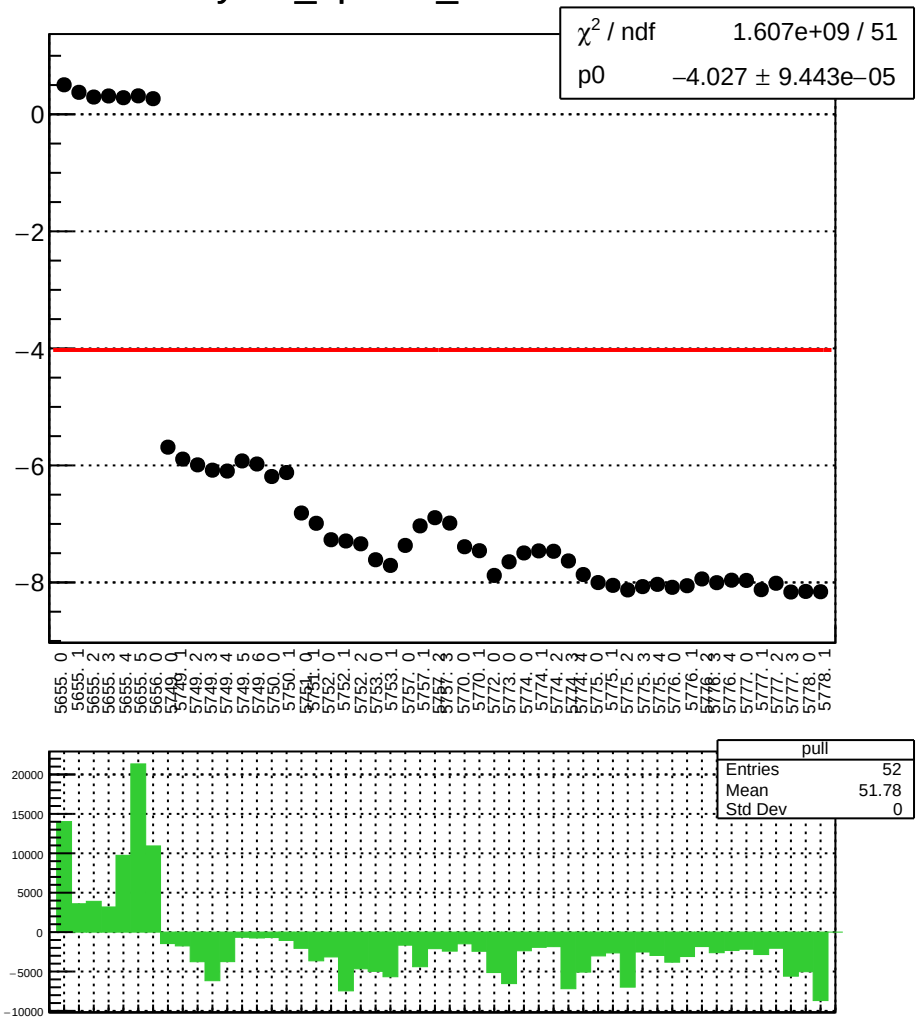

pull1D
Entries 52
Mean −0.4
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

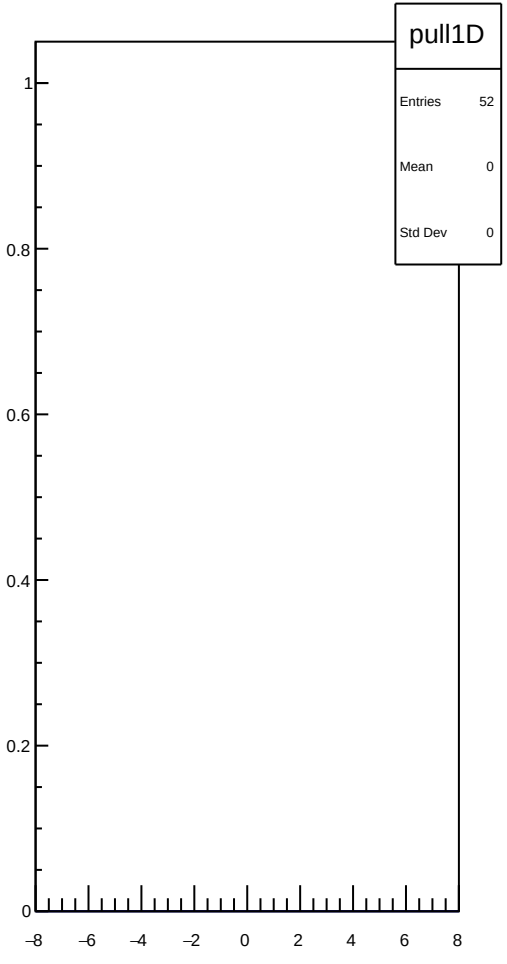

yield_bpm4ecY_rms vs run
χ² / ndf 3.648e+05 / 51
p0 0.01621 ± 1.895e–05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

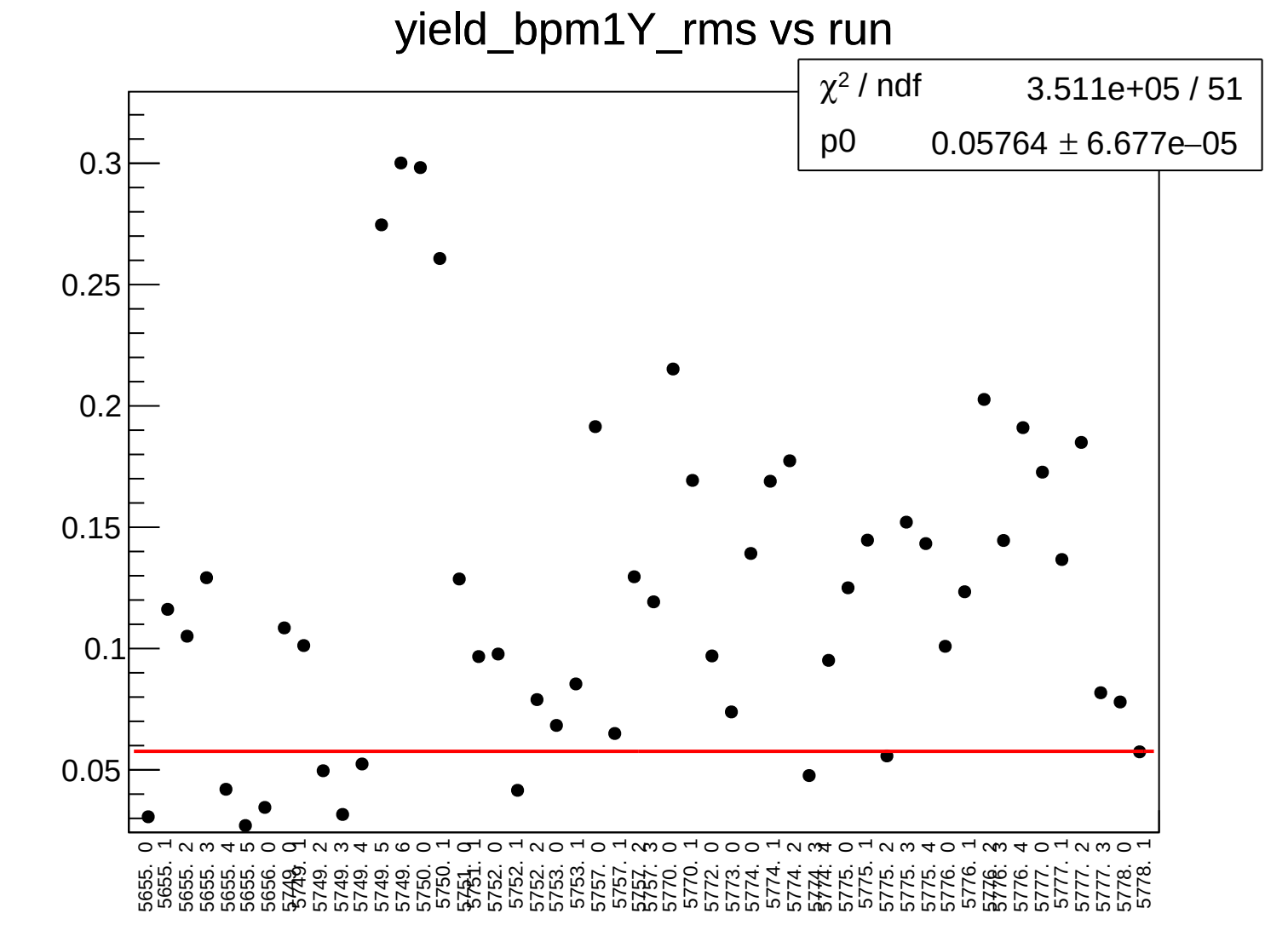

yield_bpm1X_mean vs run
χ² / ndf 1.049e+08 / 51
p0 −0.3704 ± 0.0001286
pull
Entries 52
Mean 117.6
Std Dev 0

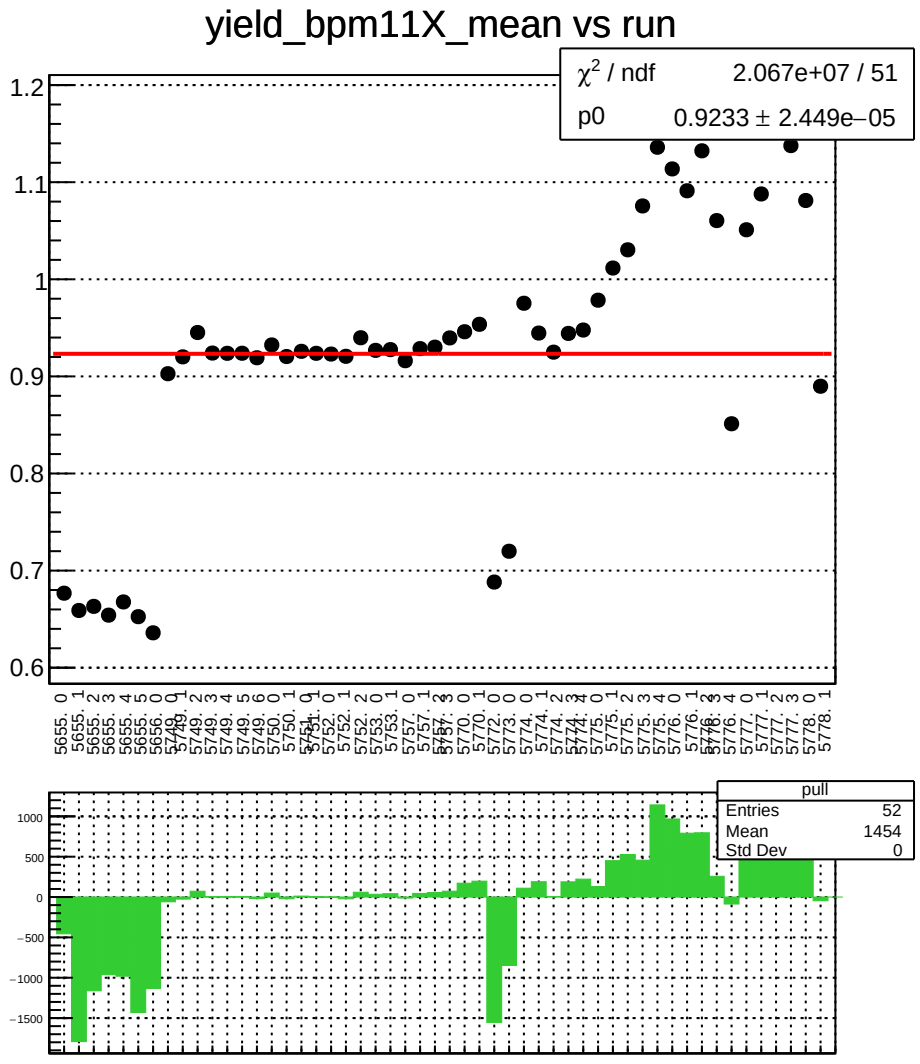

pull1D
Entries 52
Mean 0
Std Dev 0

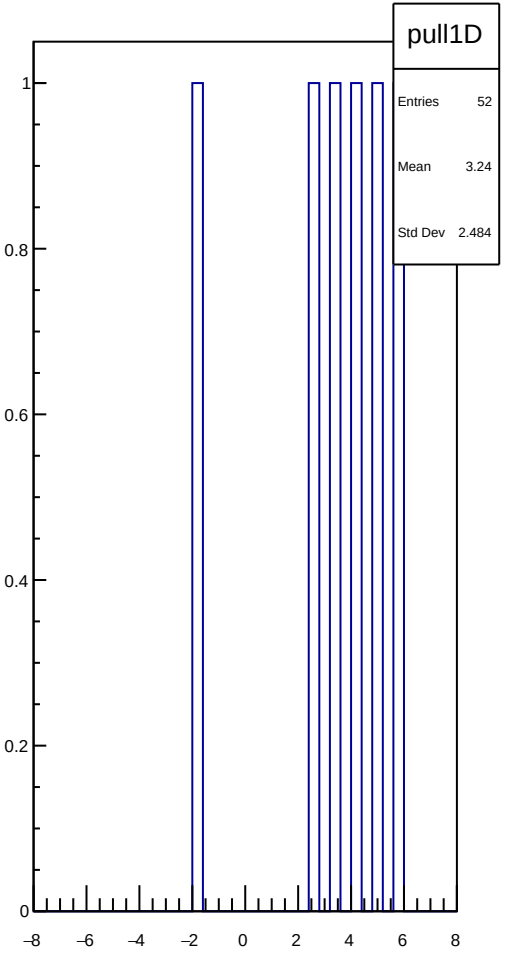

yield_bpm1X_rms vs run
χ² / ndf 2.767e+05 / 51
p0 0.08236 ± 9.097e–05
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

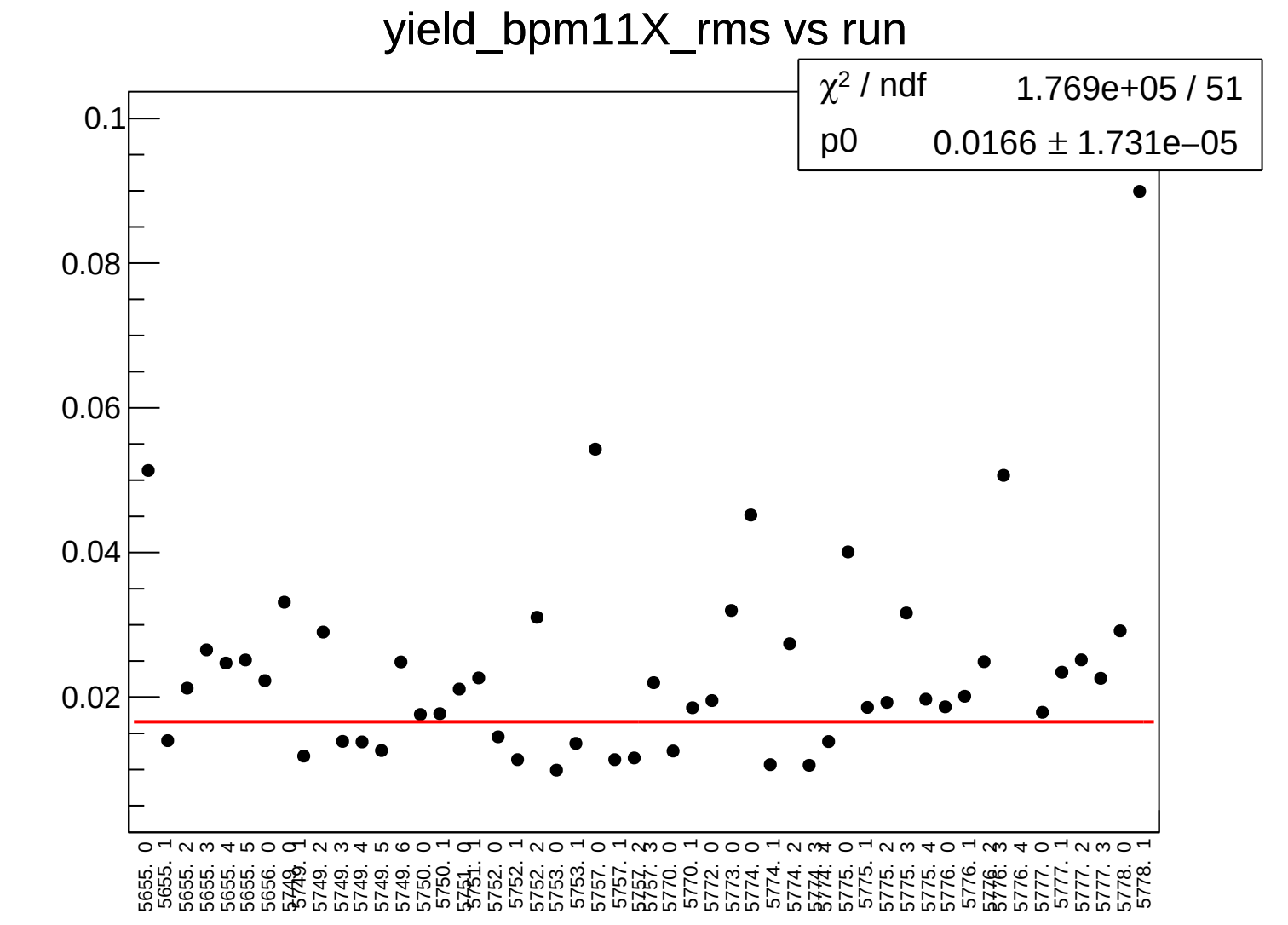

yield_bpm1Y_mean vs run
χ² / ndf 1.607e+09 / 51
p0 −4.027 ± 9.443e−05
pull
Entries 52
Mean 51.78
Std Dev 0

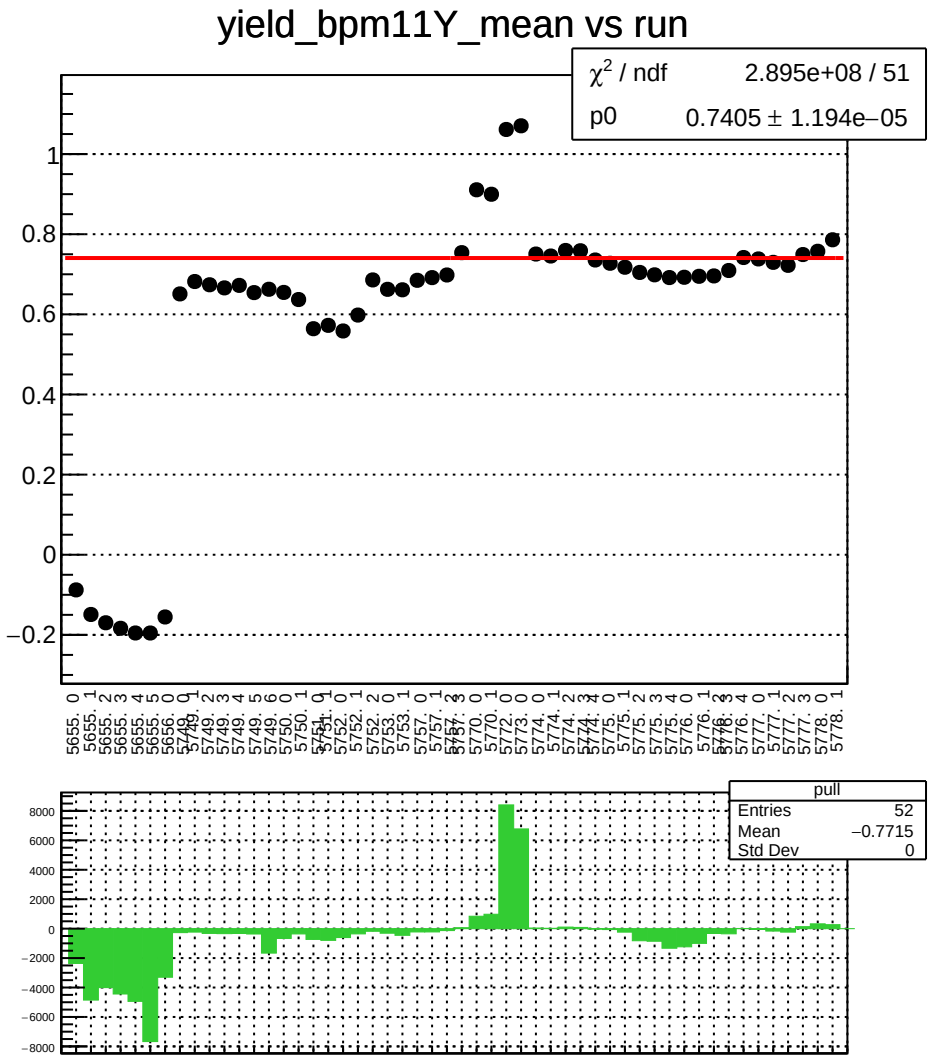

pull1D
Entries 52
Mean 0
Std Dev 0

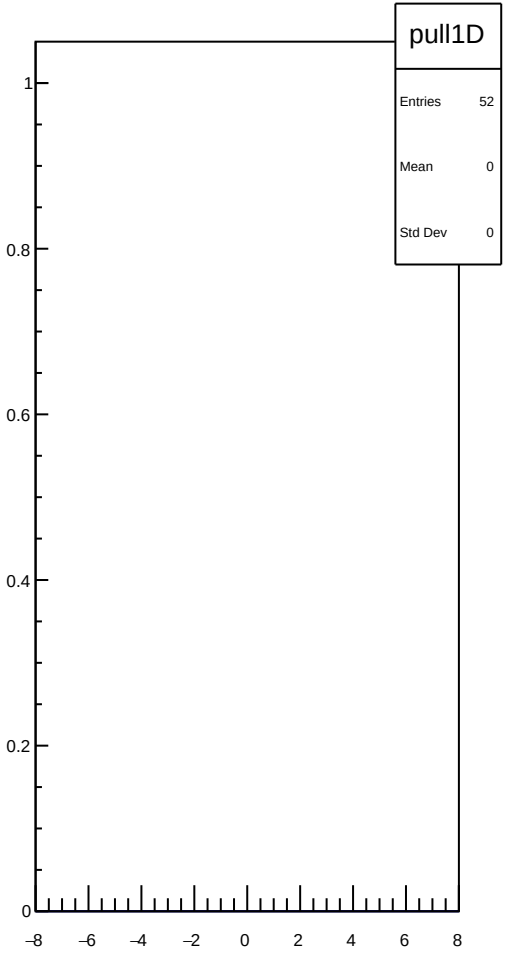

yield_bpm1Y_rms vs run
χ² / ndf 3.511e+05 / 51
p0 0.05764 ± 6.677e–05
0.3
0.25
0.2
0.15
0.1
0.05
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

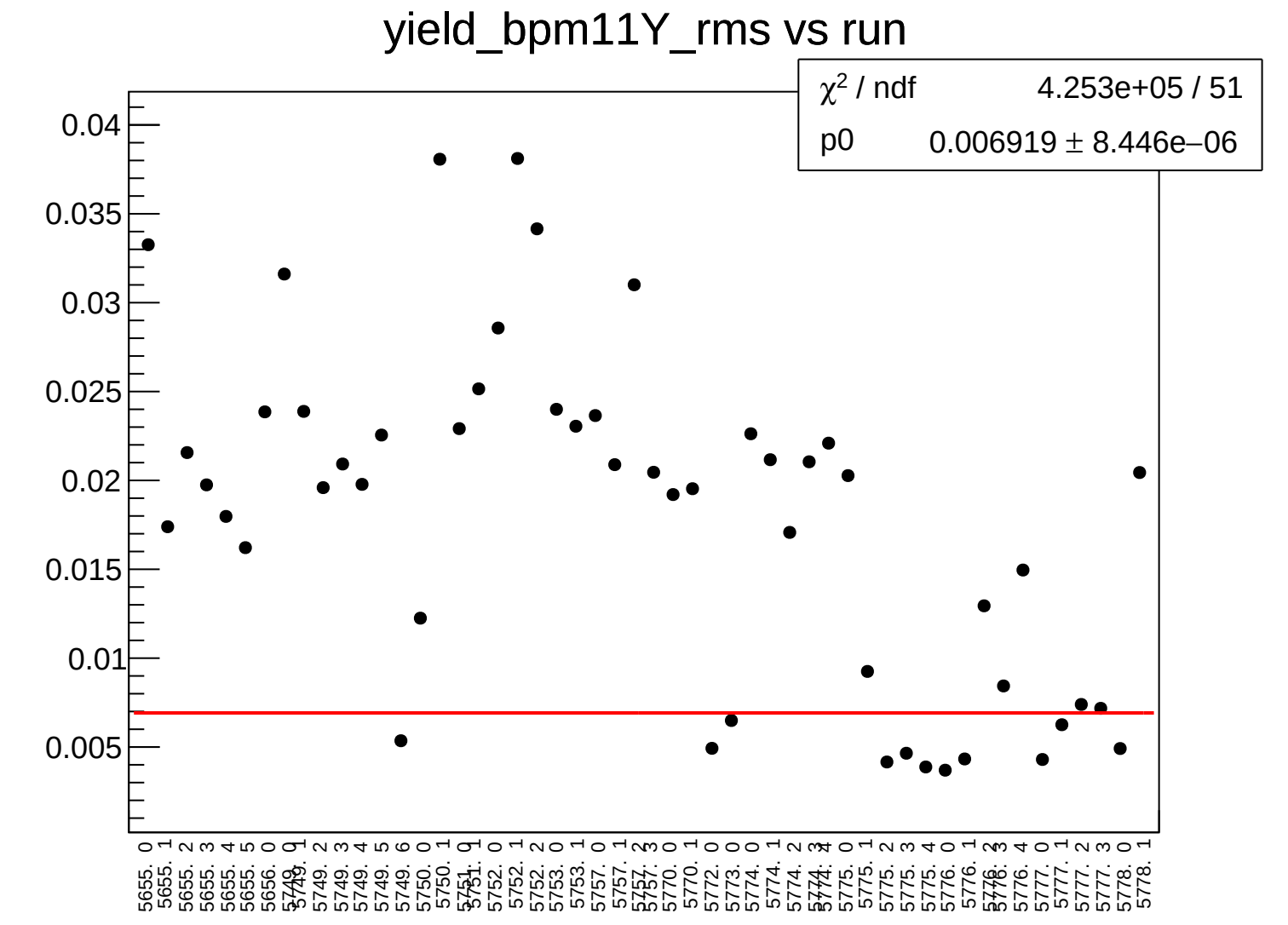

yield_bpm11X_mean vs run
χ² / ndf 2.067e+07 / 51
p0 0.9233 ± 2.449e−05
pull
Entries 52
Mean 1454
Std Dev 0

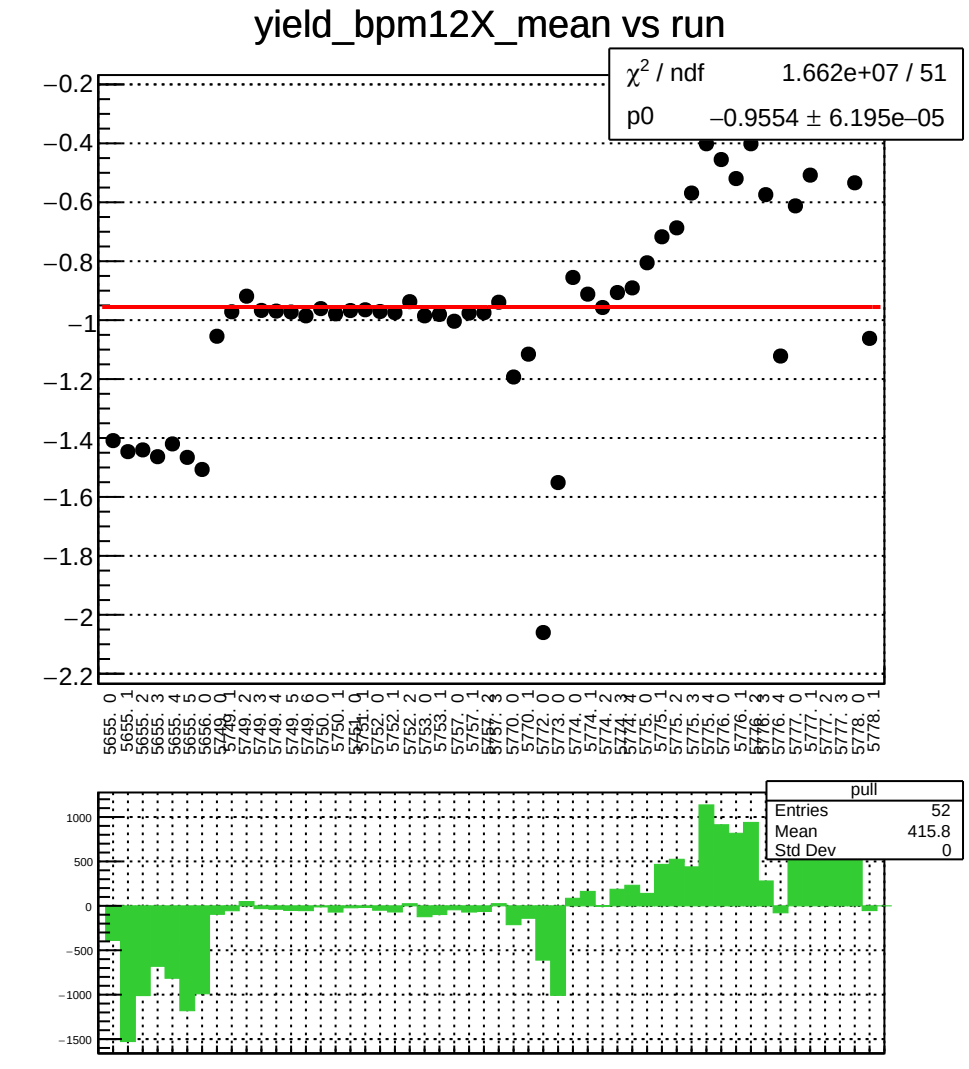

pull1D
Entries 52
Mean 3.24
Std Dev 2.484

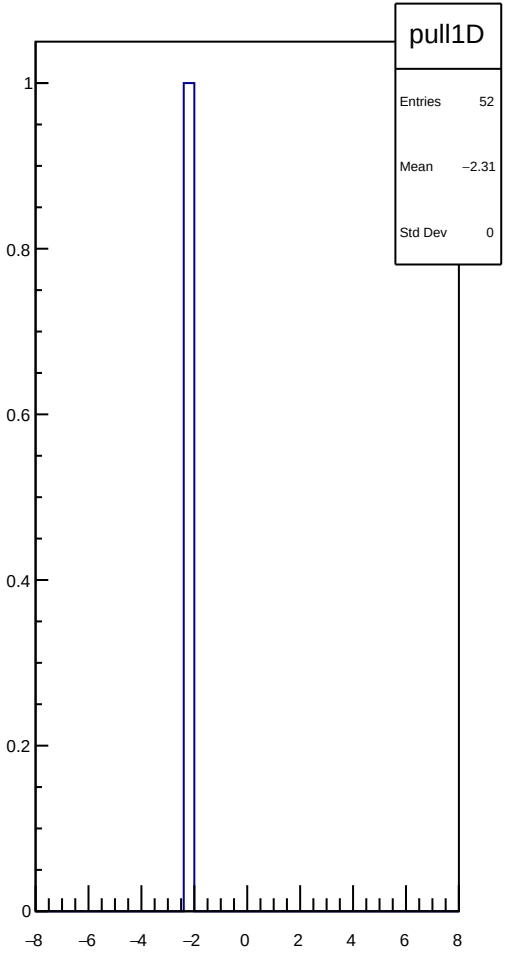

yield_bpm11X_rms vs run
χ² / ndf 1.769e+05 / 51
p0 0.0166 ± 1.731e−05
0.1
0.08
0.06
0.04
0.02
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

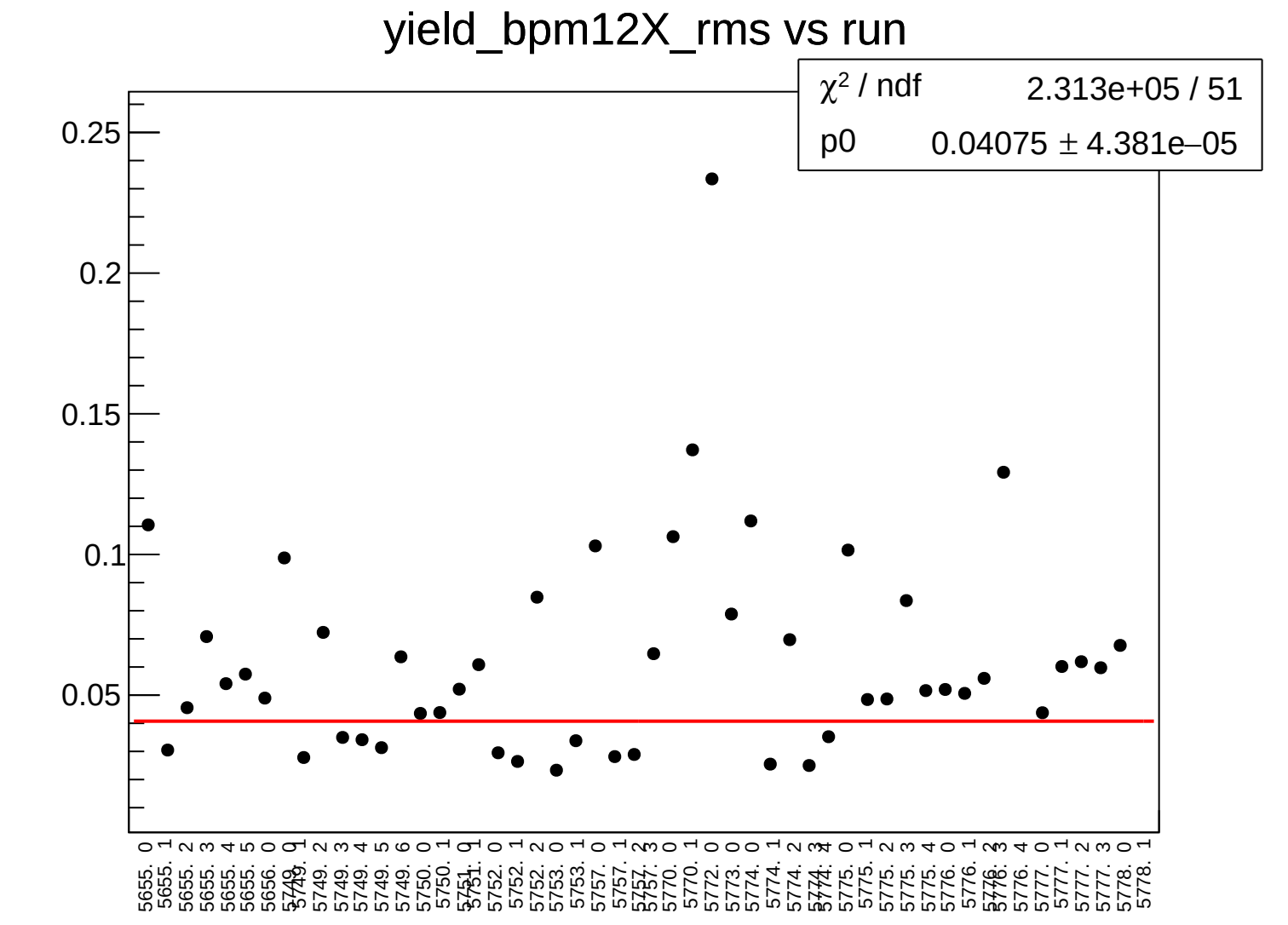

yield_bpm11Y_mean vs run
χ² / ndf 2.895e+08 / 51
p0 0.7405 ± 1.194e−05
pull
Entries 52
Mean −0.7715
Std Dev 0

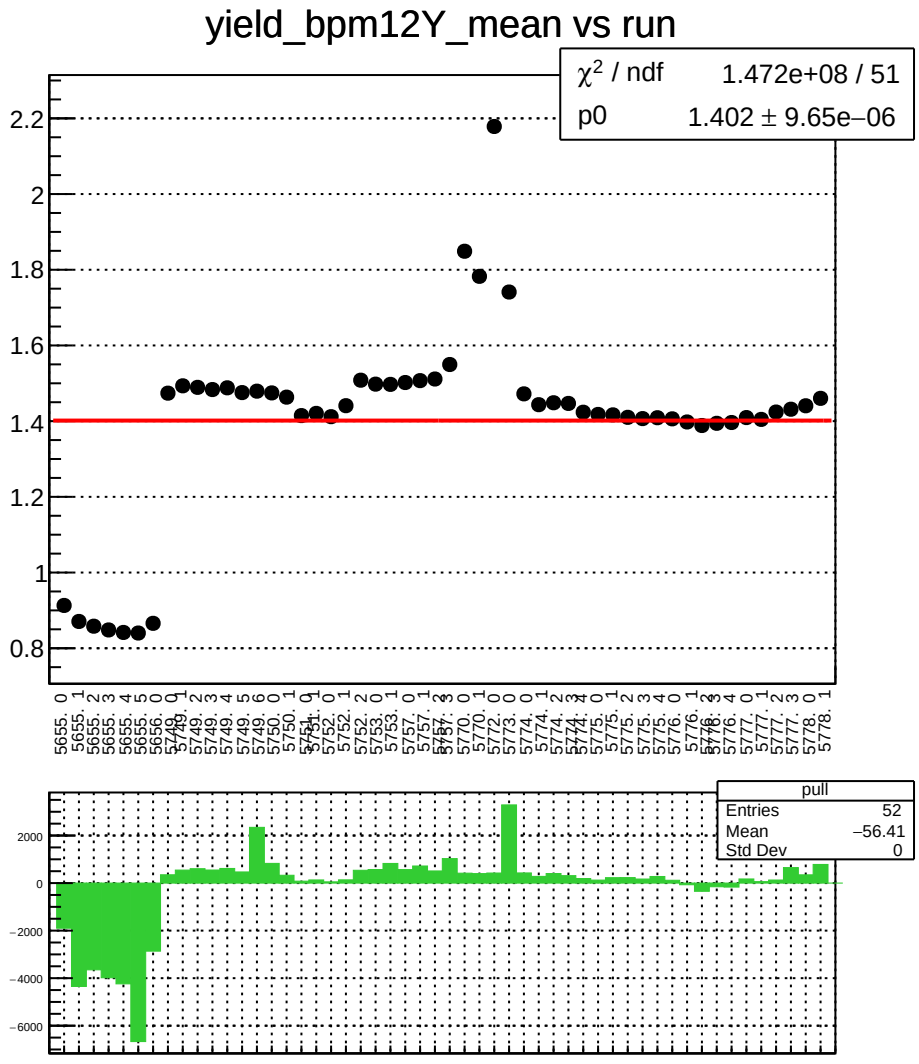

pull1D
Entries 52
Mean 0
Std Dev 0

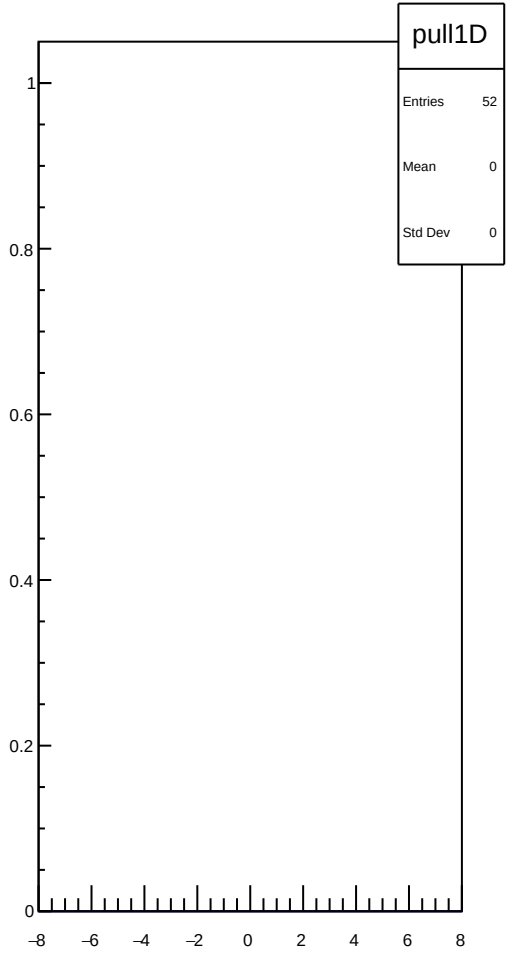

yield_bpm11Y_rms vs run
χ² / ndf 4.253e+05 / 51
p0 0.006919 ± 8.446e−06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

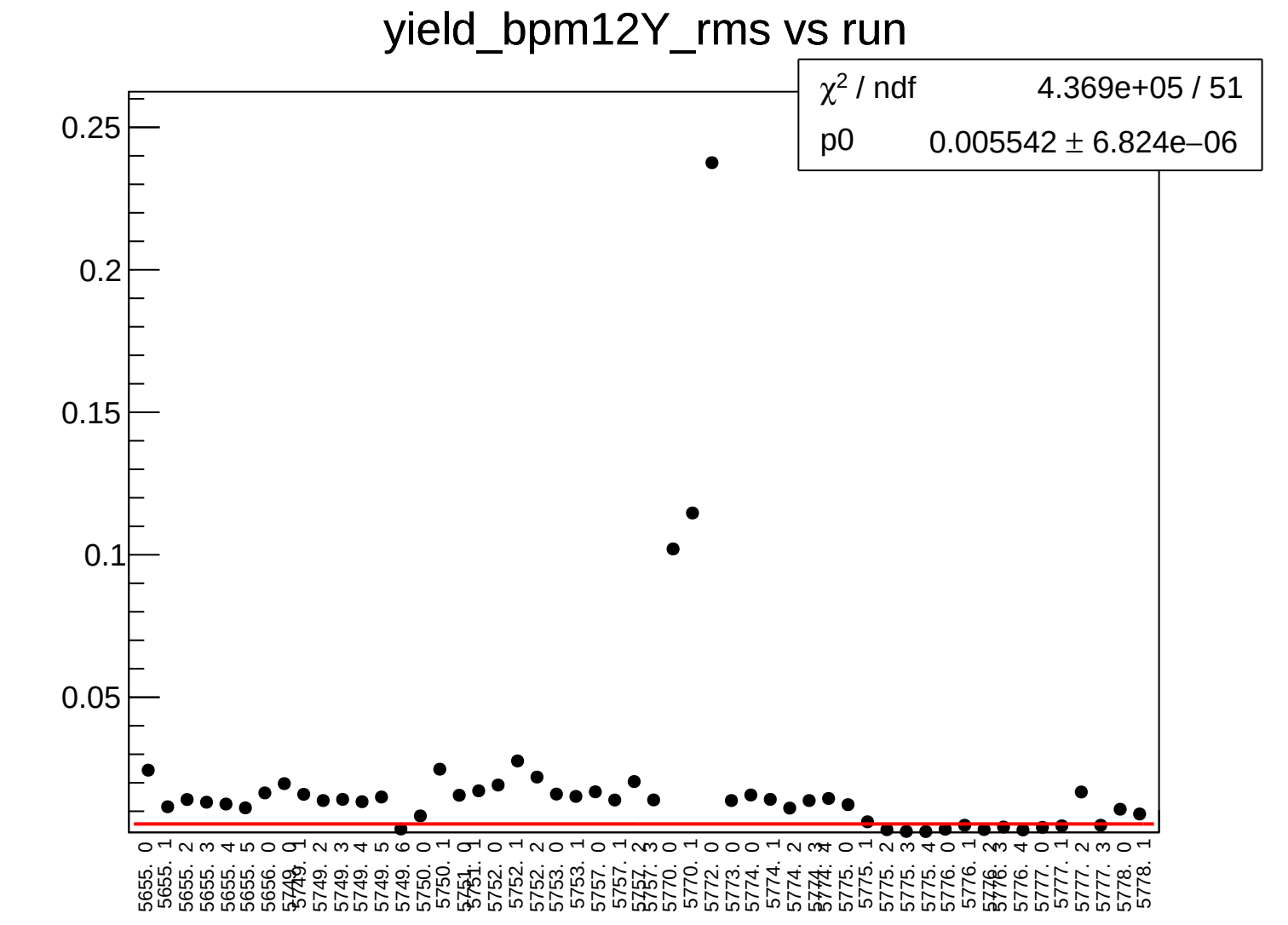

yield_bpm12X_mean vs run
χ² / ndf 1.662e+07 / 51
p0 −0.9554 ± 6.195e−05
pull
Entries 52
Mean 415.8
Std Dev 0

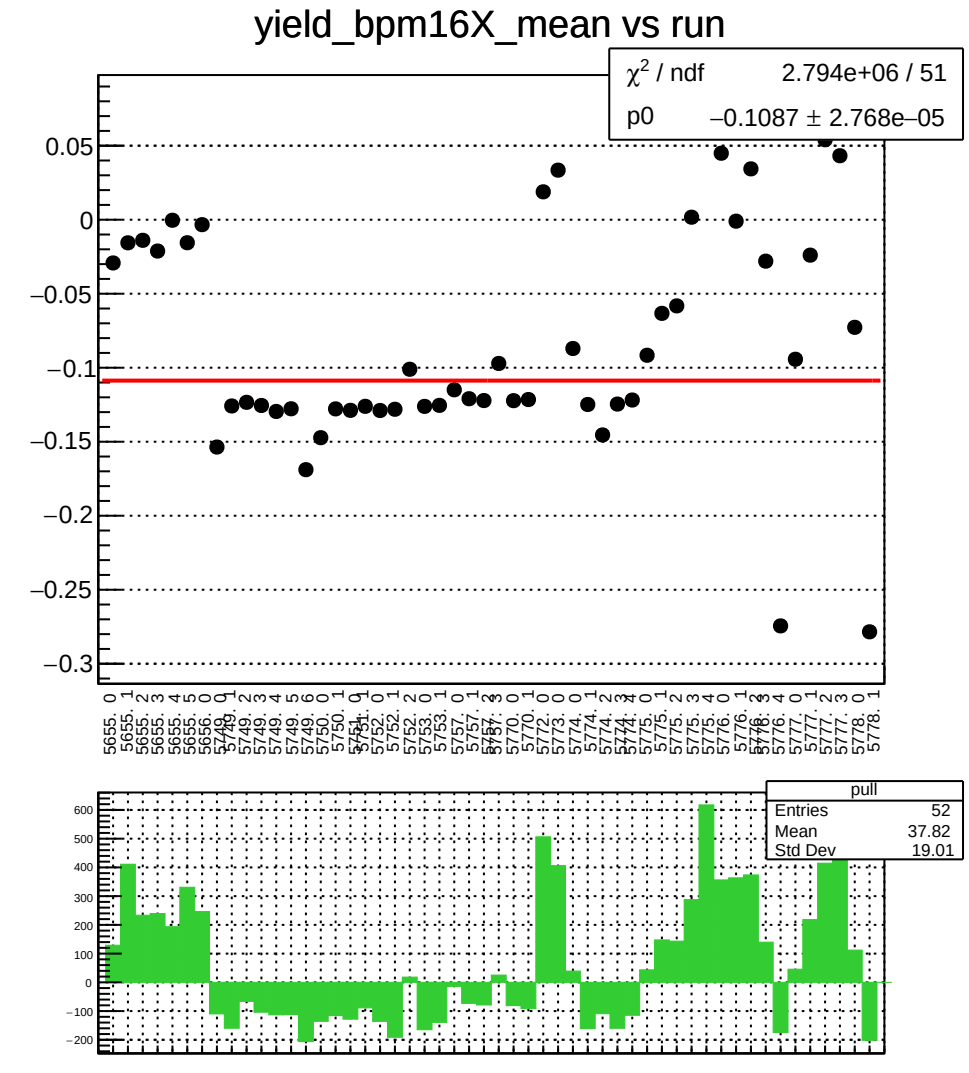

pull1D
Entries 52
Mean −2.31
Std Dev 0

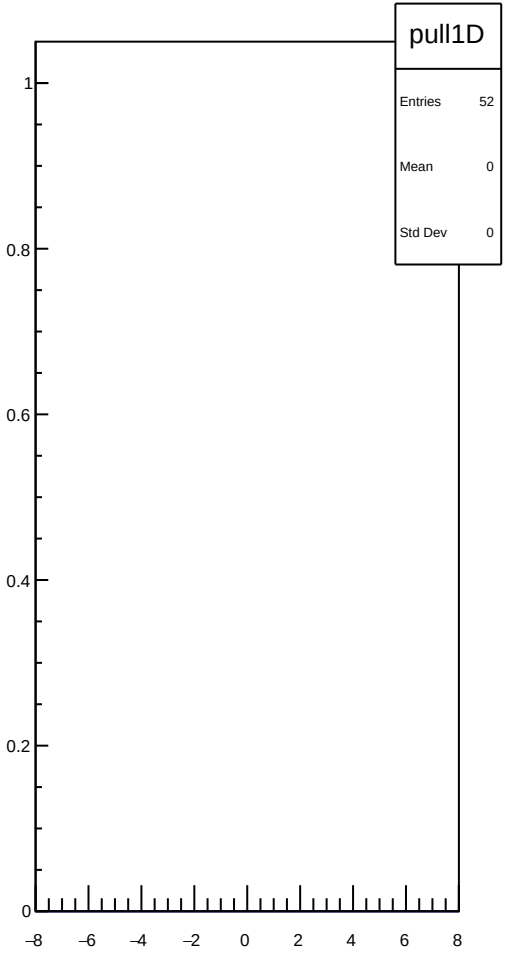

yield_bpm12X_rms vs run
χ² / ndf 2.313e+05 / 51
p0 0.04075 ± 4.381e–05
0.25
0.2
0.15
0.1
0.05
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

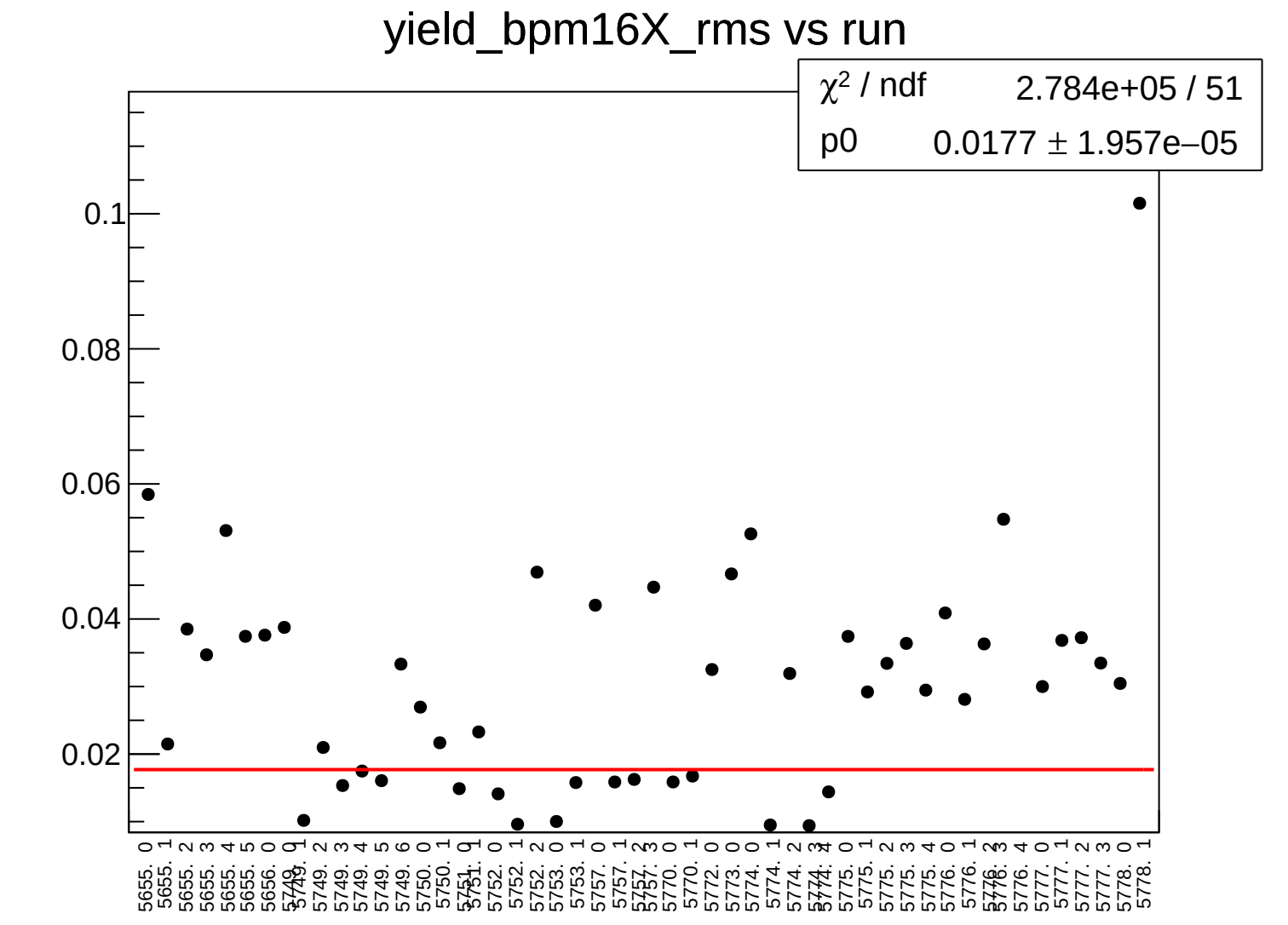

yield_bpm12Y_mean vs run
χ² / ndf 1.472e+08 / 51
p0 1.402 ± 9.65e−06
pull
Entries 52
Mean −56.41
Std Dev 0


pull1D
Entries 52
Mean 0
Std Dev 0


yield_bpm12Y_rms vs run
χ² / ndf 4.369e+05 / 51
p0 0.005542 ± 6.824e−06
0.25
0.2
0.15
0.1
0.05
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


yield_bpm16X_mean vs run
χ² / ndf 2.794e+06 / 51
p0 −0.1087 ± 2.768e−05
pull
Entries 52
Mean 37.82
Std Dev 19.01


pull1D
Entries 52
Mean 0
Std Dev 0


yield_bpm16X_rms vs run
χ² / ndf 2.784e+05 / 51
p0 0.0177 ± 1.957e−05
0.1
0.08
0.06
0.04
0.02
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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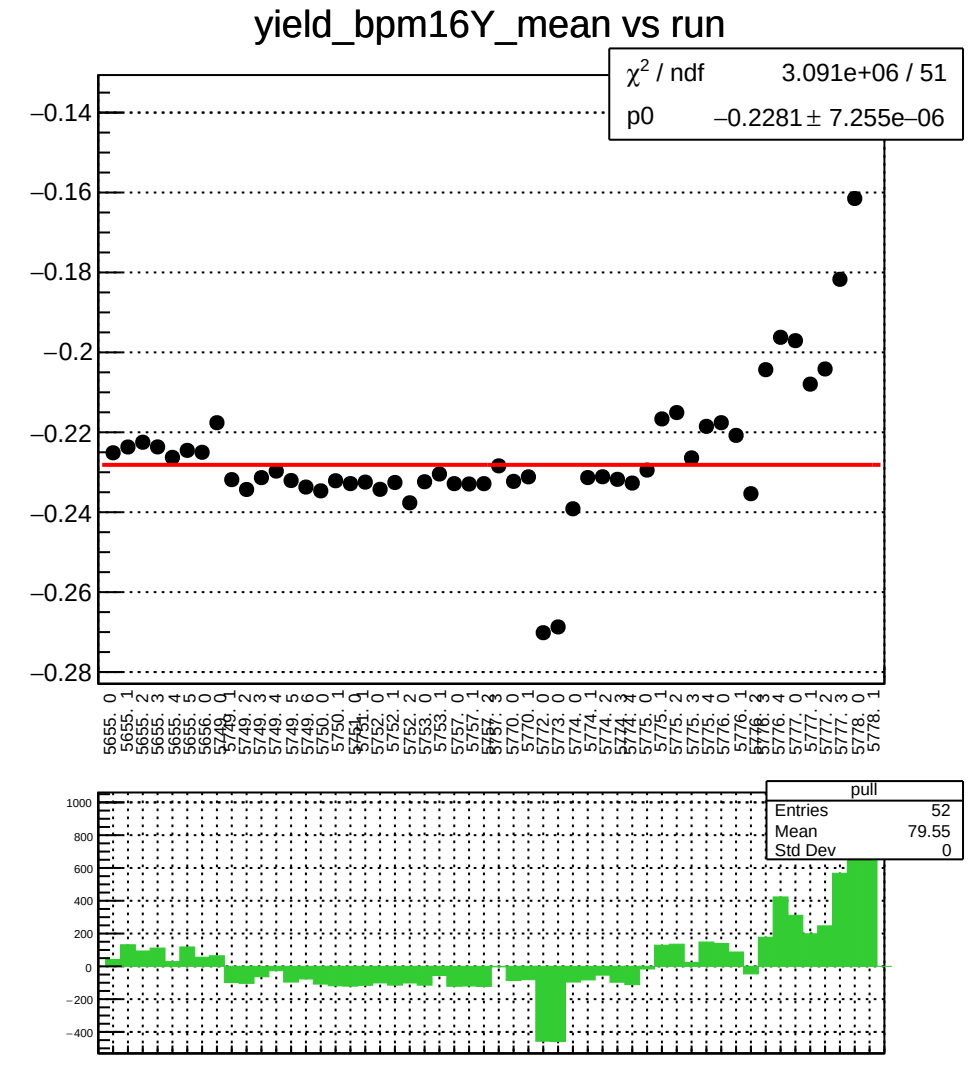
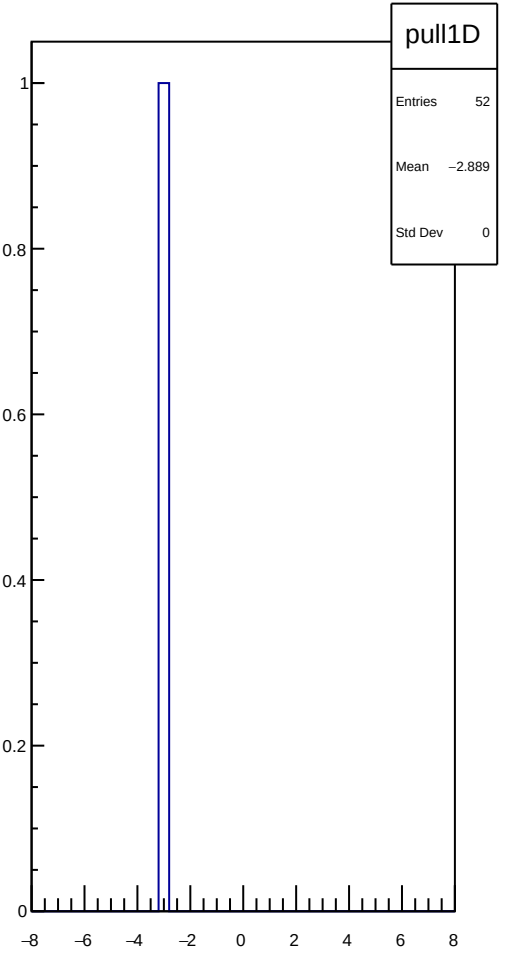
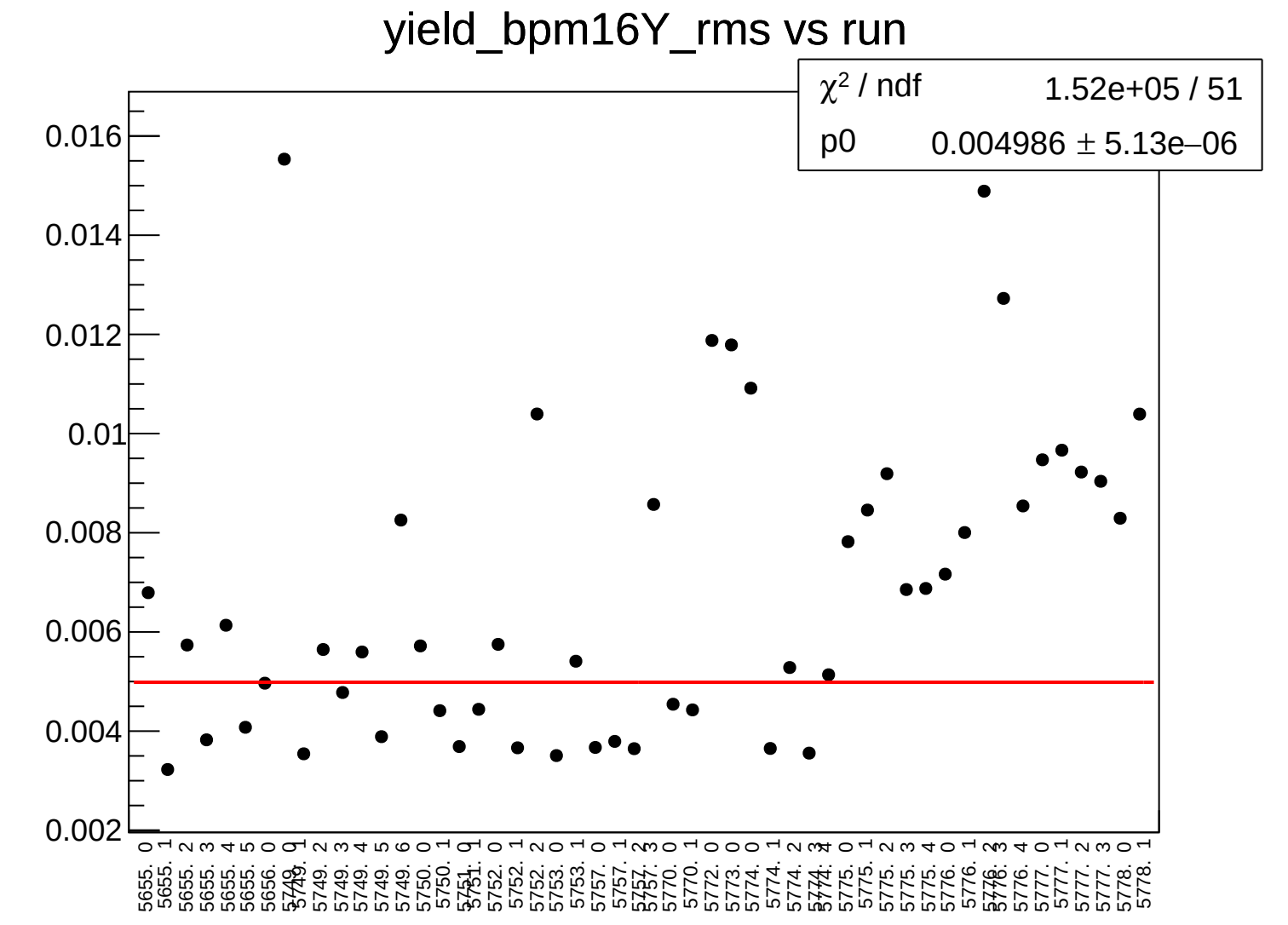
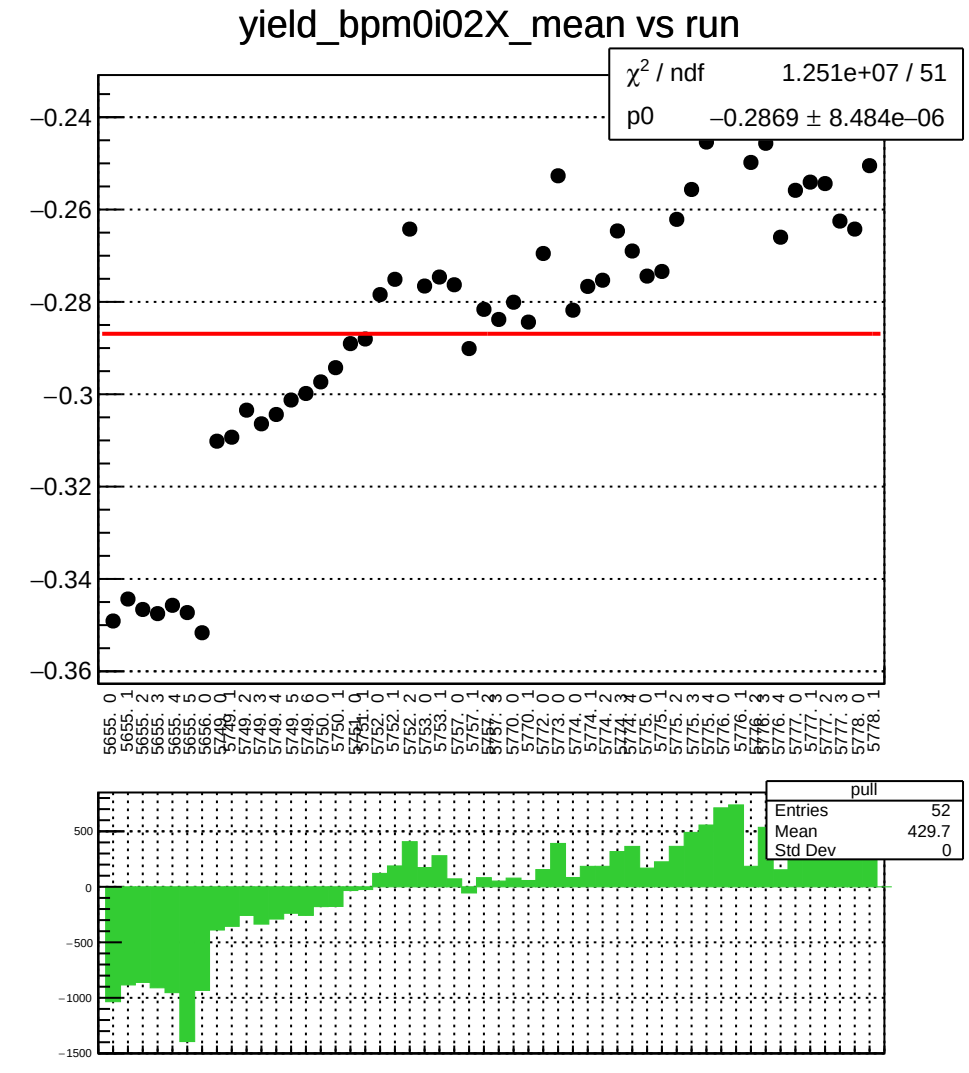
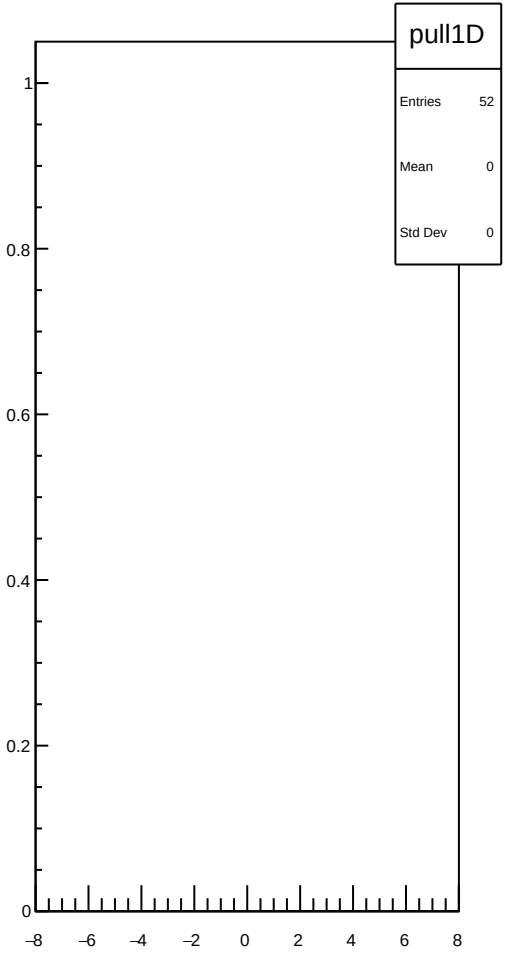
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

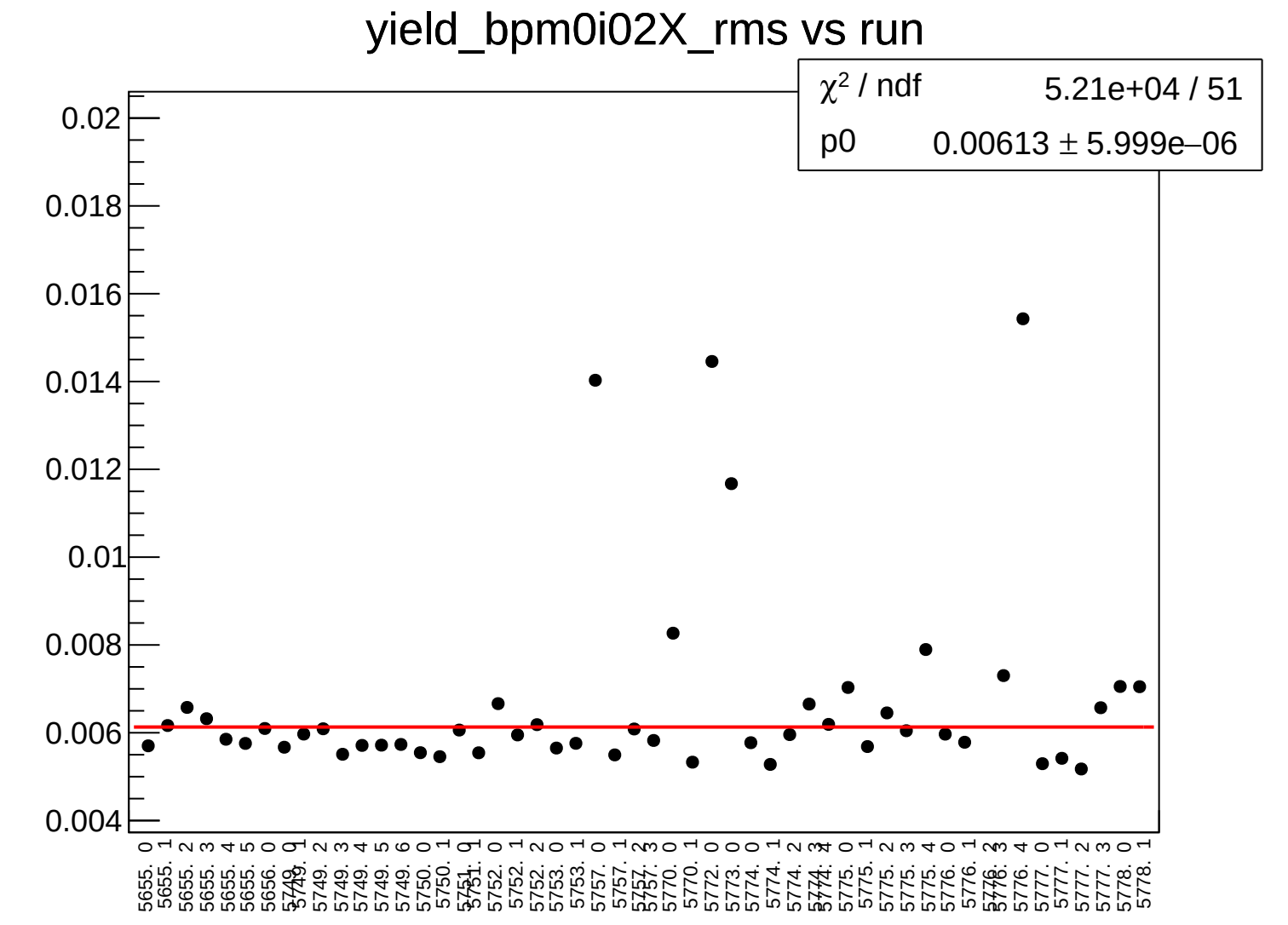

yield_bpm16Y_mean vs run
χ² / ndf 3.091e+06 / 51
p0 −0.2281 ± 7.255e−06
pull
Entries 52
Mean 79.55
Std Dev 0

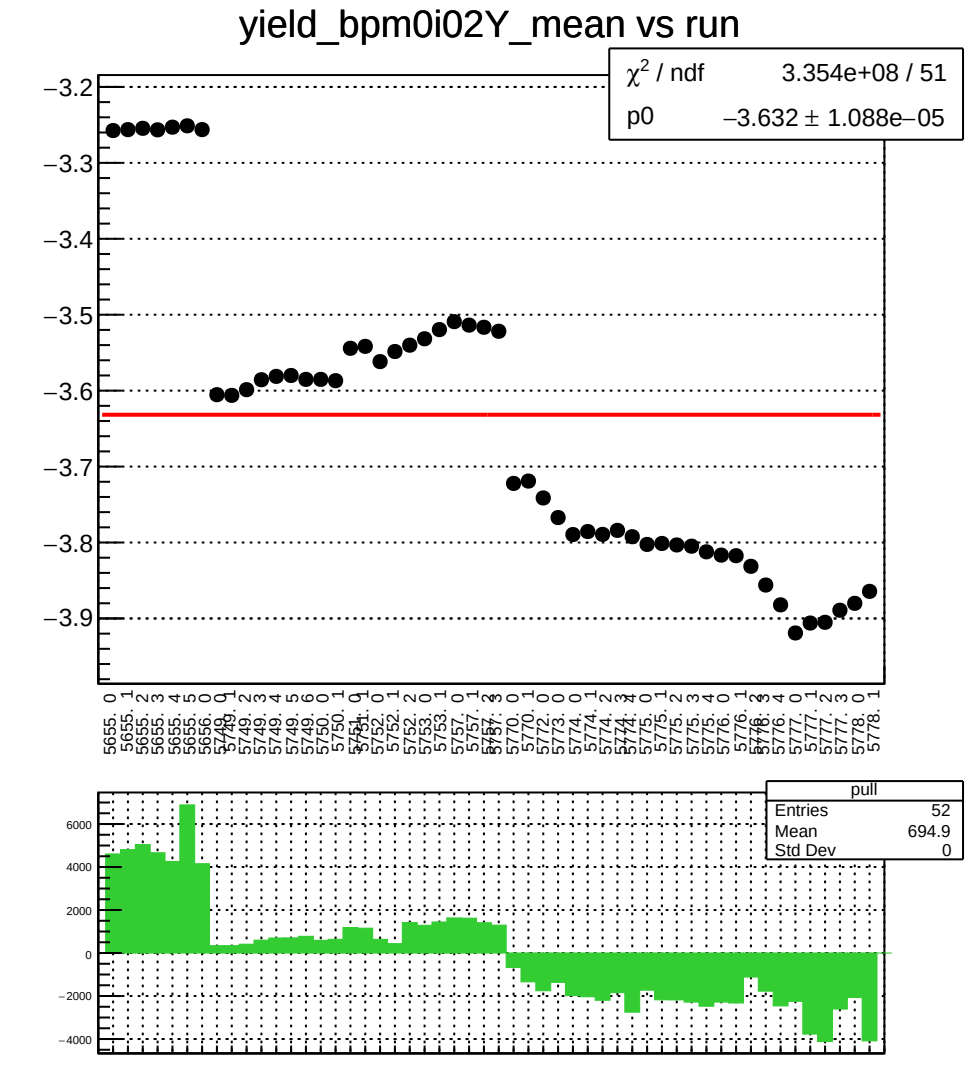

pull1D
Entries 52
Mean −2.889
Std Dev 0

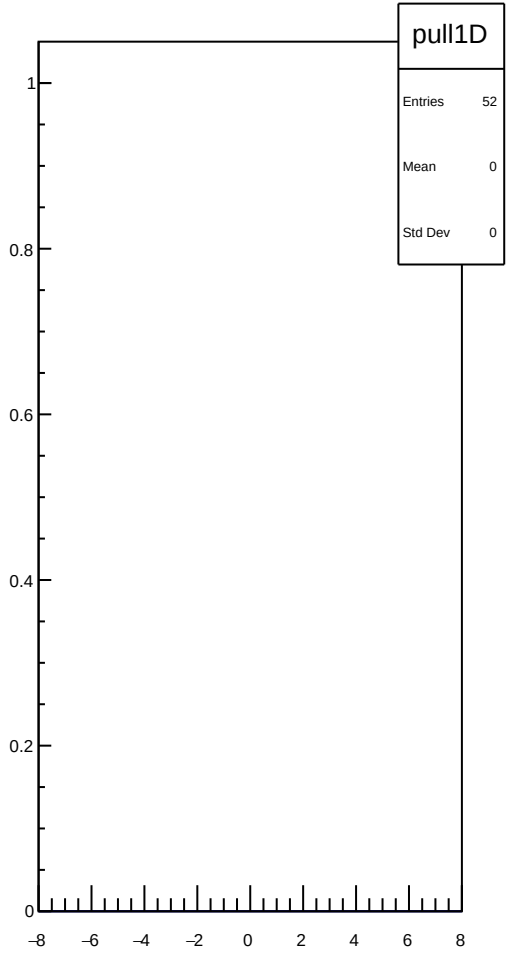

yield_bpm16Y_rms vs run
χ² / ndf 1.52e+05 / 51
p0 0.004986 ± 5.13e–06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

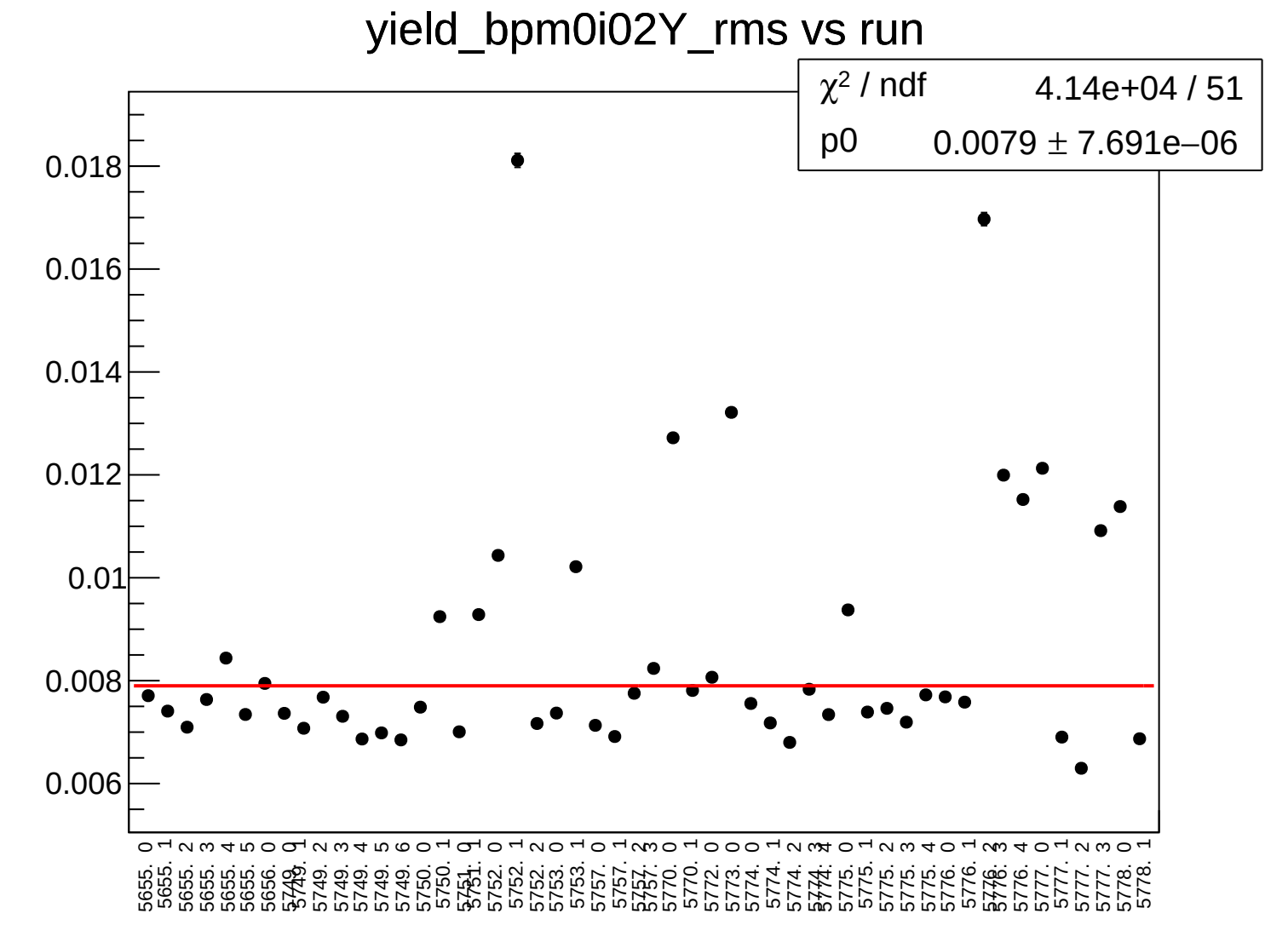

yield_bpm0i02X_mean vs run
χ² / ndf 1.251e+07 / 51
p0 −0.2869 ± 8.484e−06
−0.24
−0.26
−0.28
−0.3
−0.32
−0.34
−0.36
pull
Entries 52
Mean 429.7
Std Dev 0
500
0
−500
−1000
−1500


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


yield_bpm0i02X_rms vs run
χ² / ndf 5.21e+04 / 51
p0 0.00613 ± 5.999e–06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


yield_bpm0i02Y_mean vs run
χ² / ndf 3.354e+08 / 51
p0 −3.632 ± 1.088e−05
pull
Entries 52
Mean 694.9
Std Dev 0


pull1D
Entries 52
Mean 0
Std Dev 0


yield_bpm0i02Y_rms vs run
χ² / ndf 4.14e+04 / 51
p0 0.0079 ± 7.691e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
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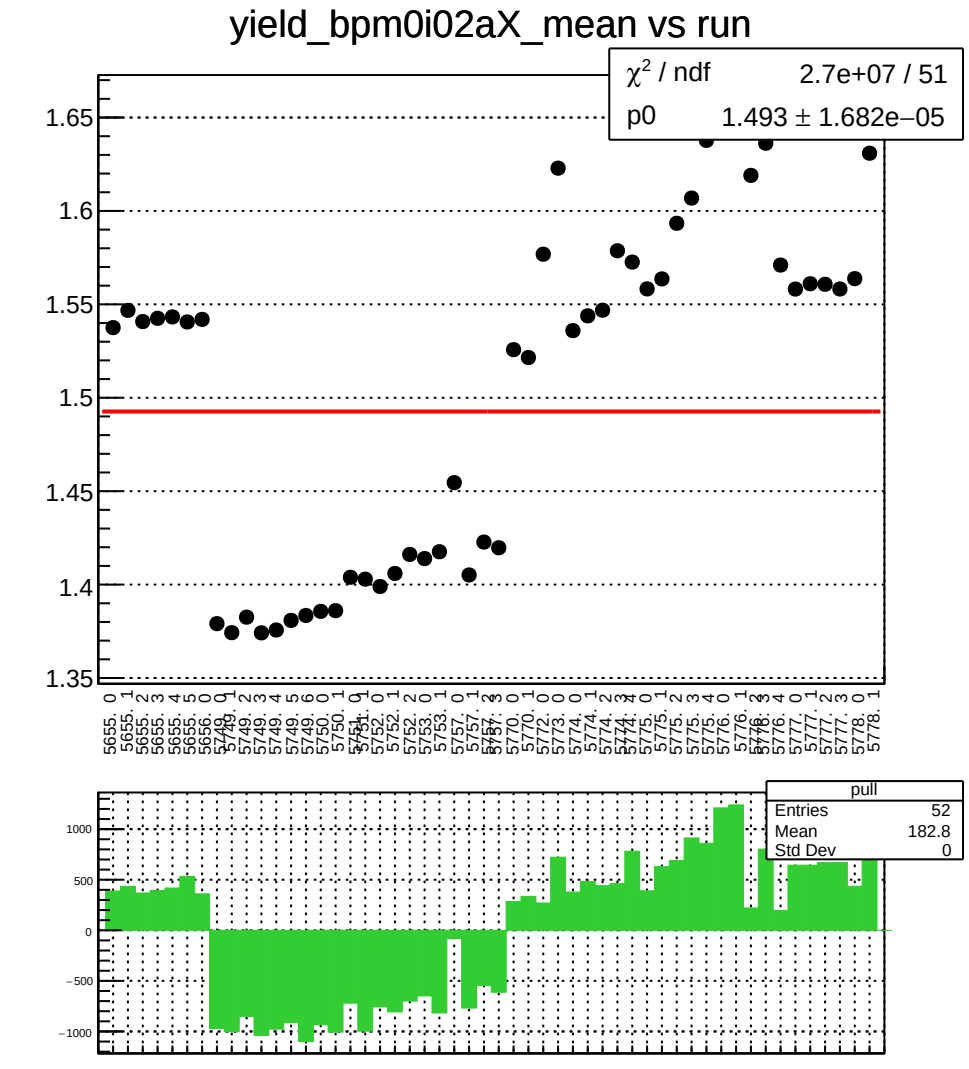
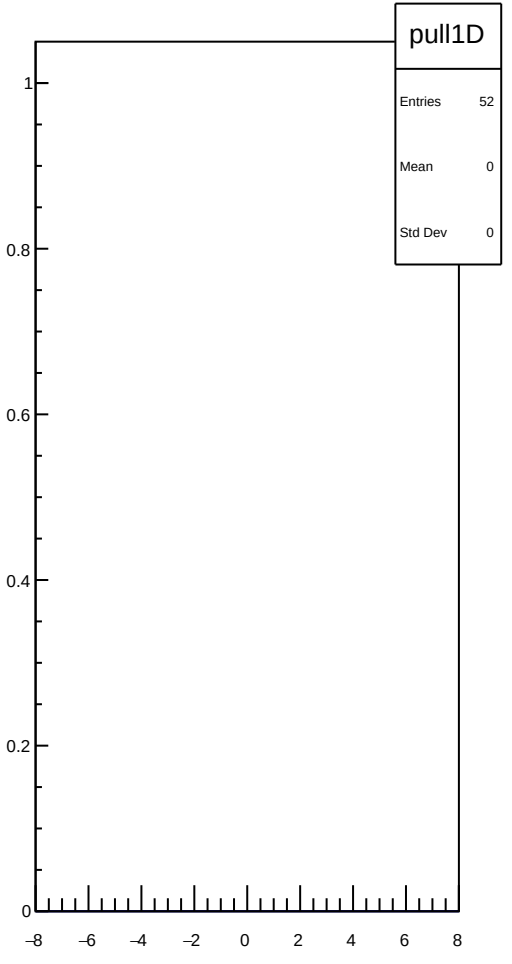
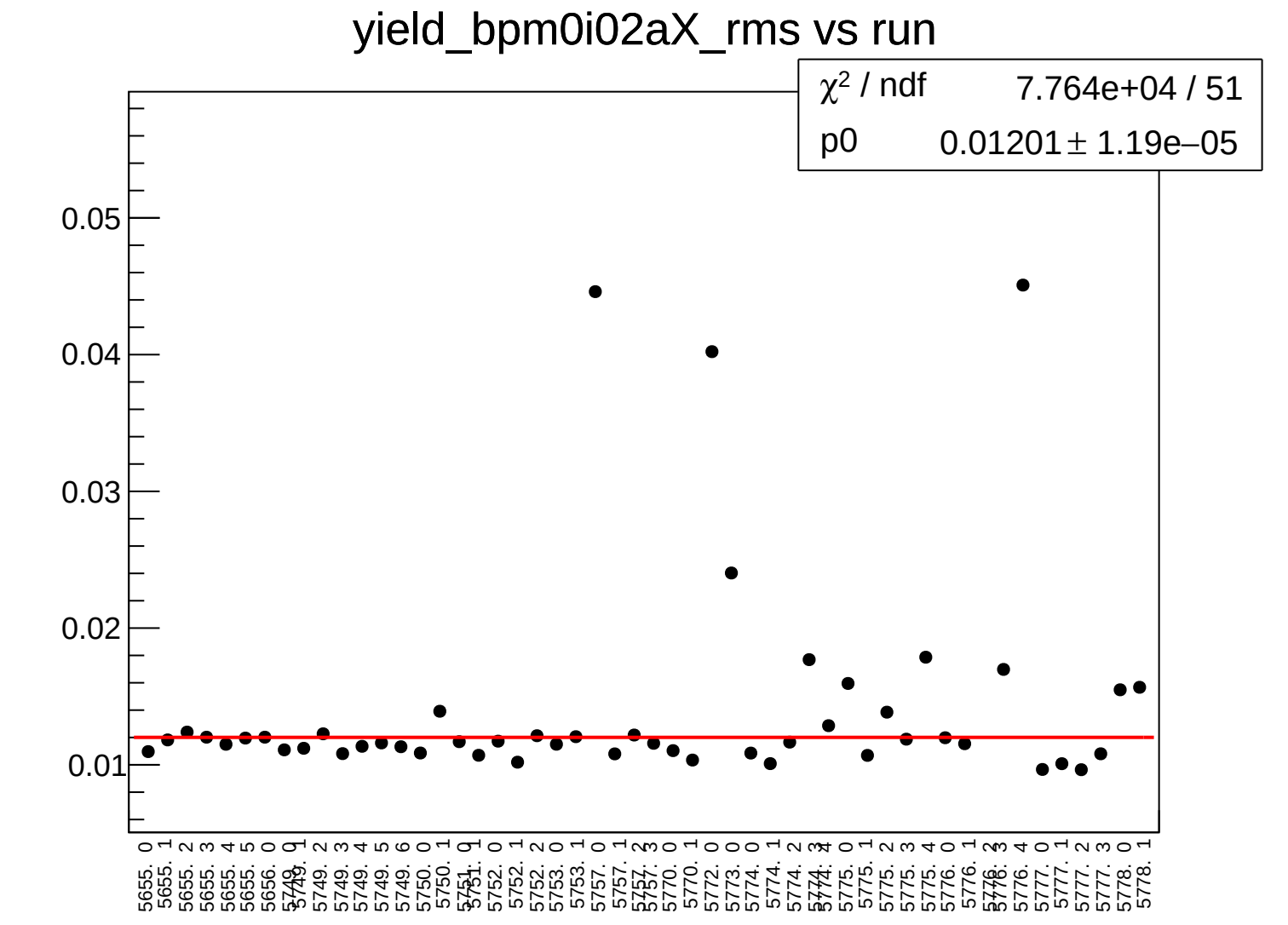
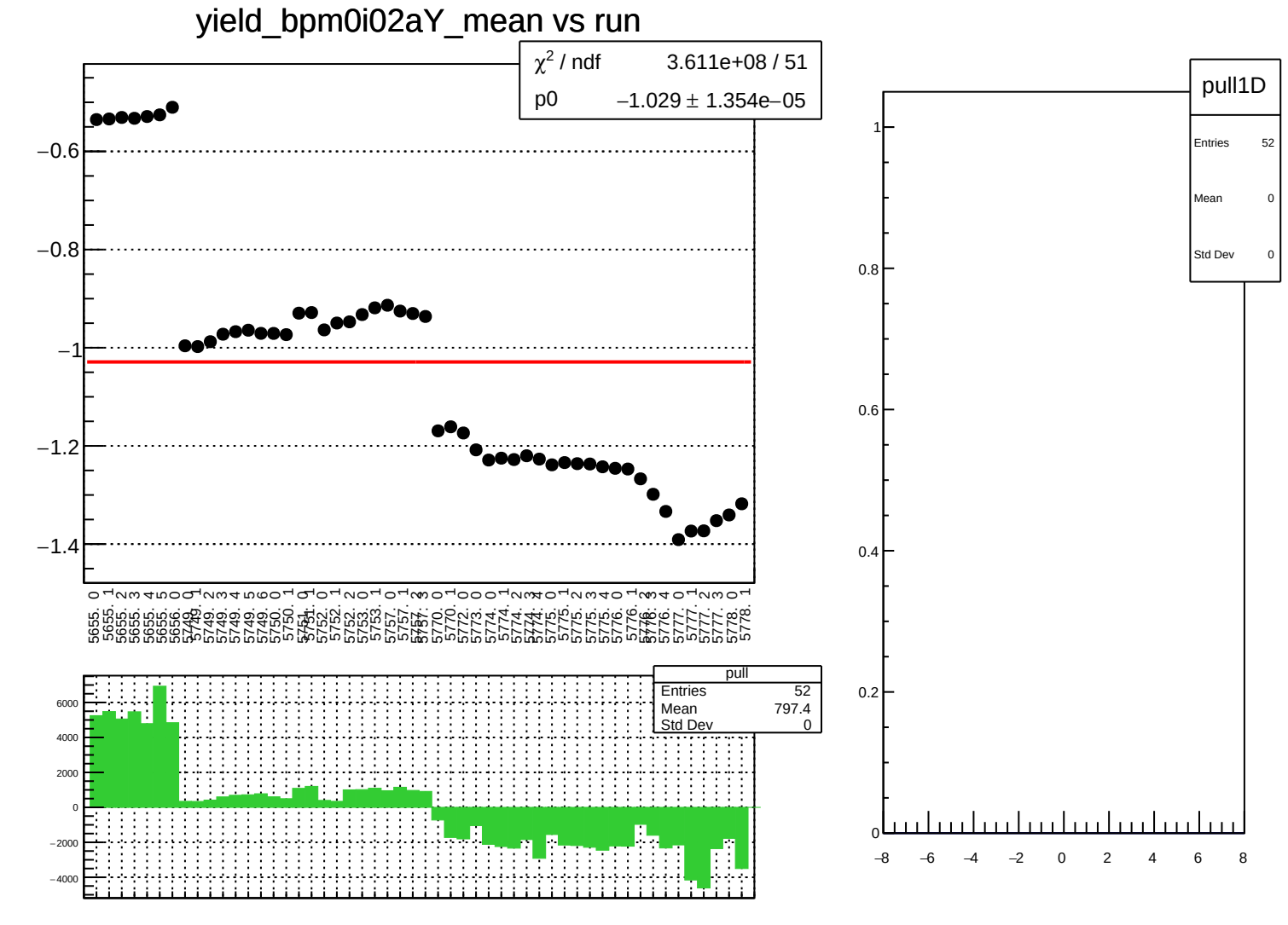
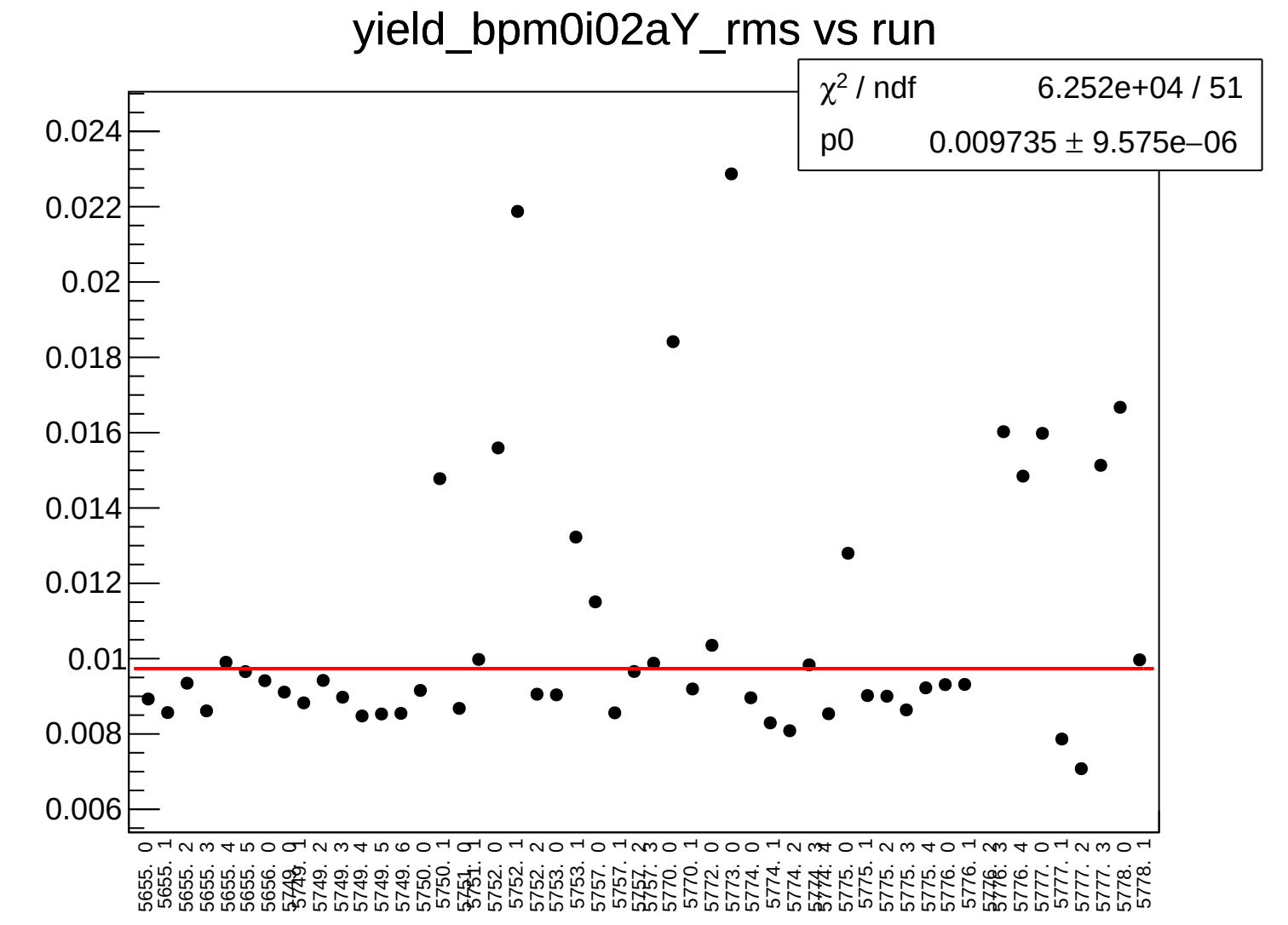
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

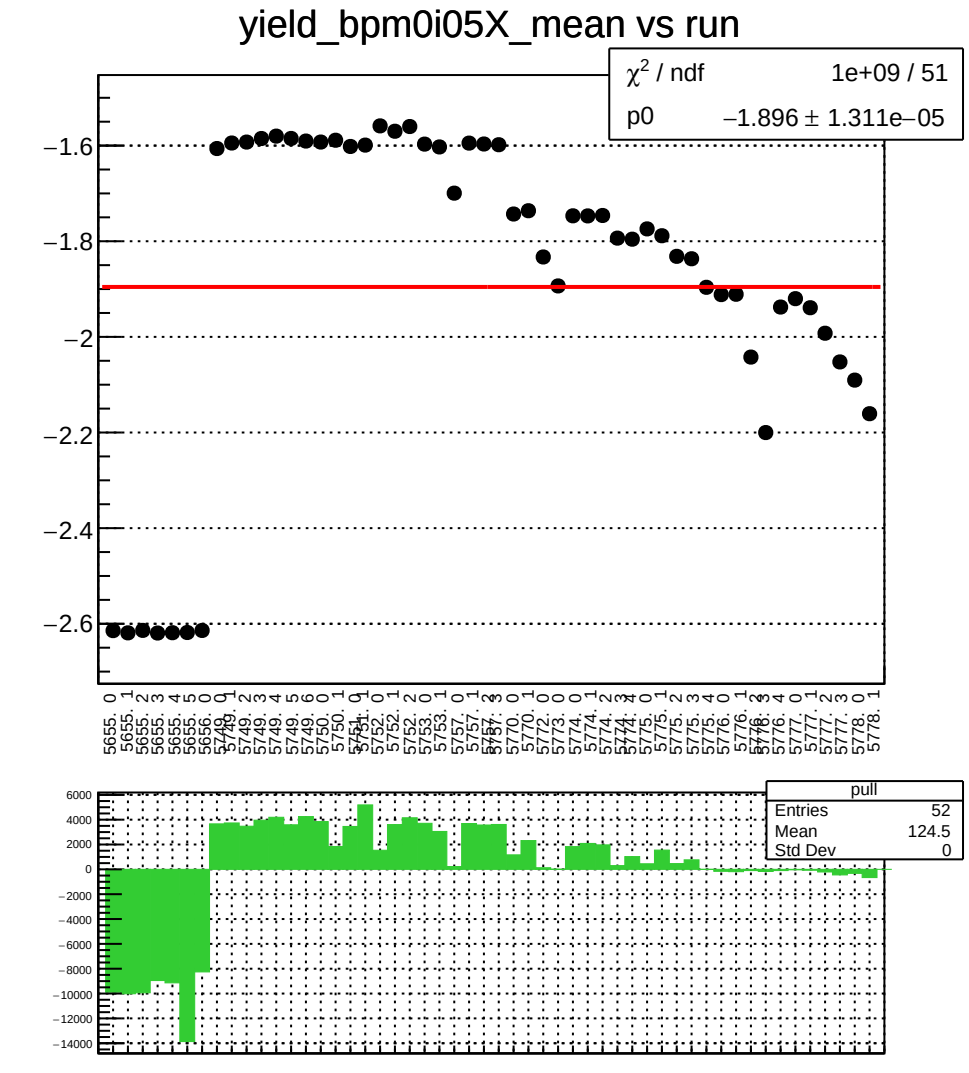

yield_bpm0i02aX_mean vs run
χ² / ndf 2.7e+07 / 51
p0 1.493 ± 1.682e−05
pull
Entries 52
Mean 182.8
Std Dev 0

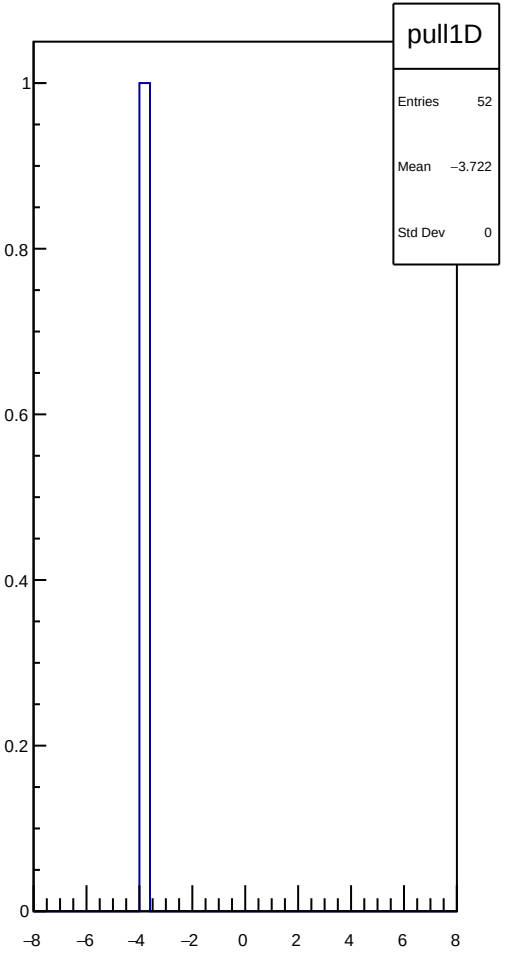

pull1D
Entries 52
Mean 0
Std Dev 0

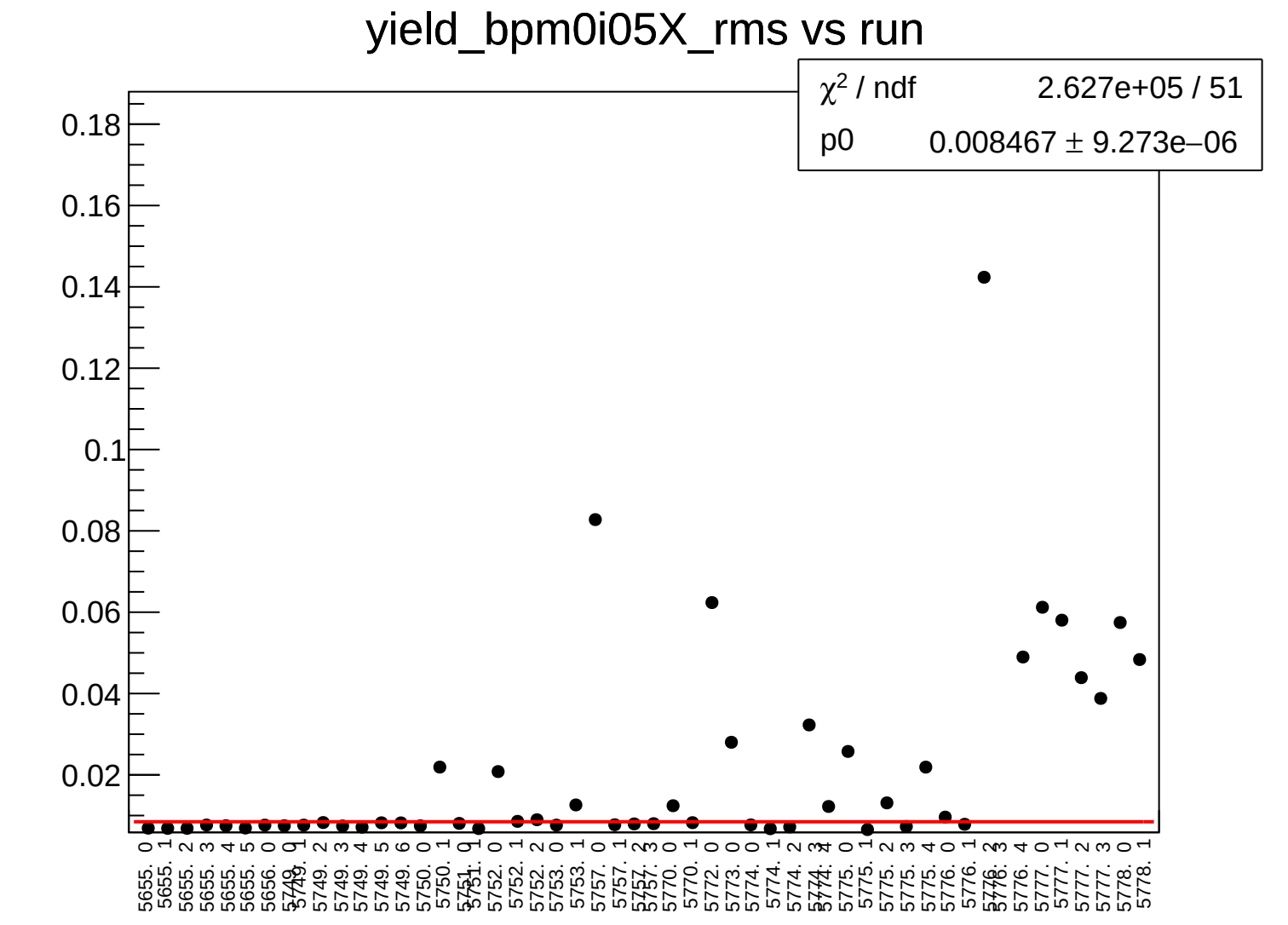

yield_bpm0i02aX_rms vs run
χ² / ndf 7.764e+04 / 51
p0 0.01201 ± 1.19e−05
0.05
0.04
0.03
0.02
0.01
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

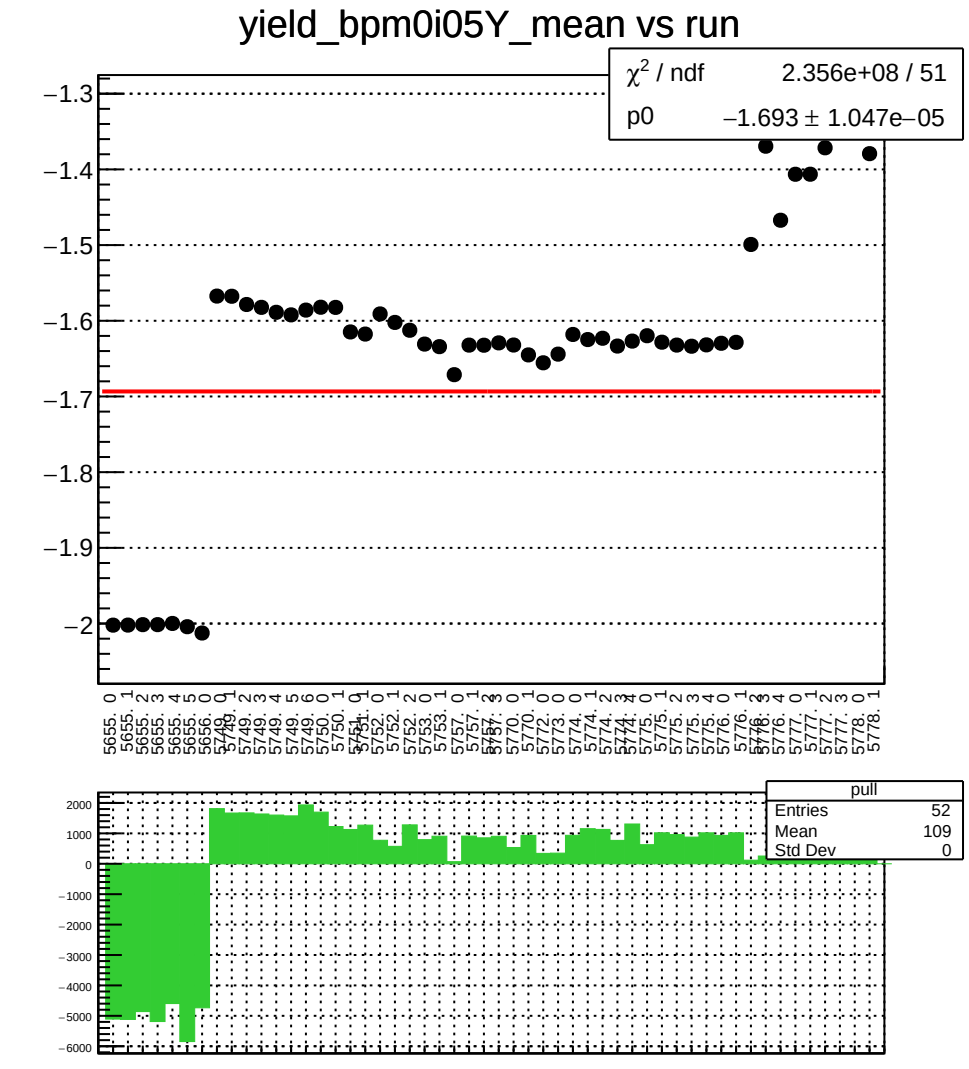

yield_bpm0i02aY_mean vs run
χ² / ndf 3.611e+08 / 51
p0 −1.029 ± 1.354e−05
pull
Entries 52
Mean 797.4
Std Dev 0
pull1D
Entries 52
Mean 0
Std Dev 0

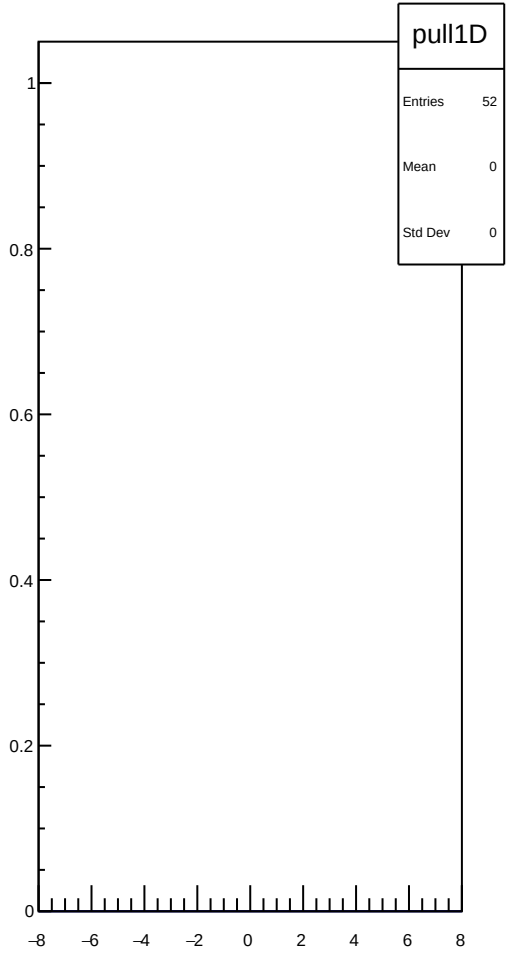

yield_bpm0i02aY_rms vs run
χ² / ndf 6.252e+04 / 51
p0 0.009735 ± 9.575e−06
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

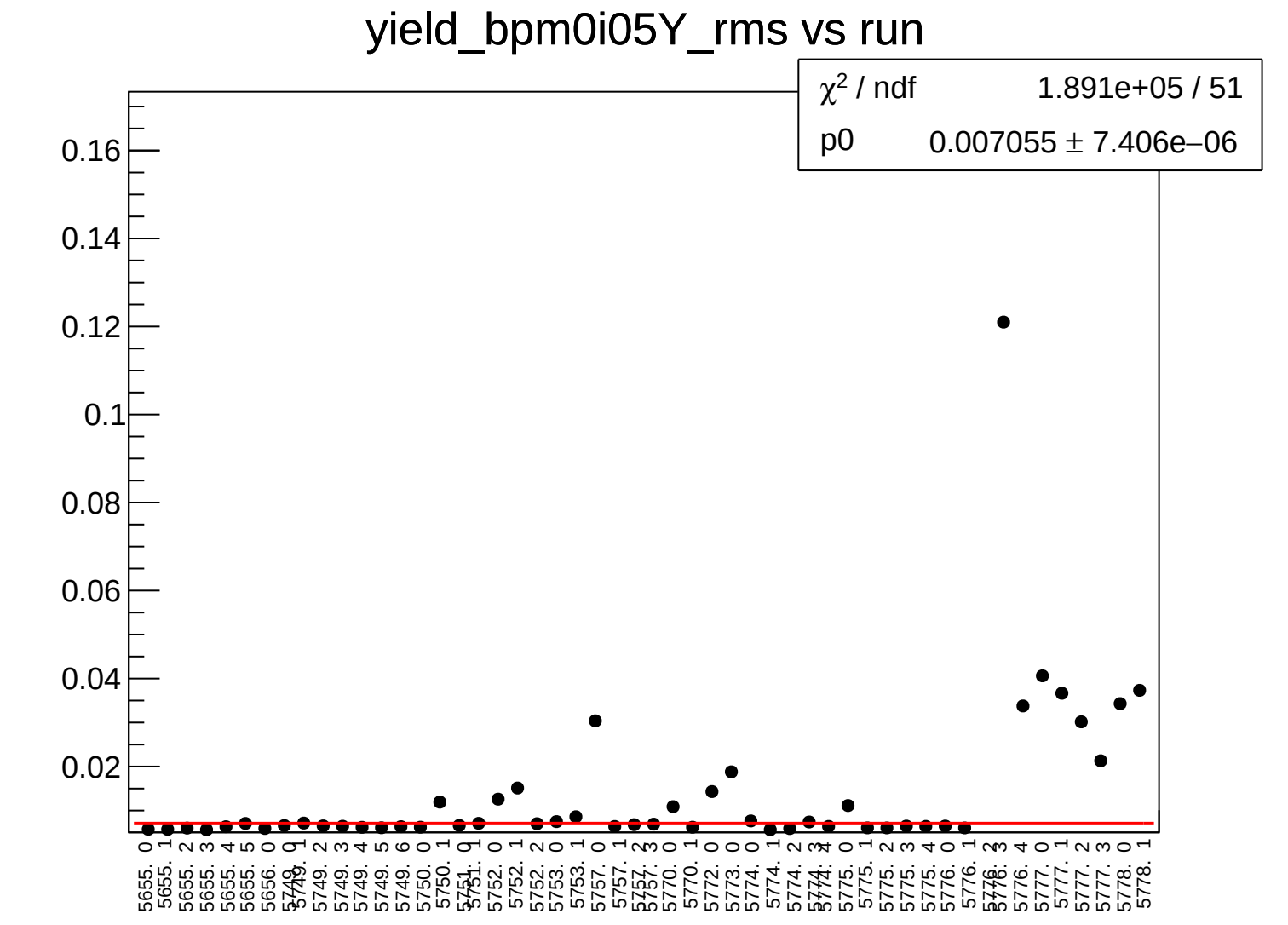

yield_bpm0i05X_mean vs run
χ² / ndf 1e+09 / 51
p0 −1.896 ± 1.311e−05
−1.6
−1.8
−2
−2.2
−2.4
−2.6
pull
Entries 52
Mean 124.5
Std Dev 0
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
−14000

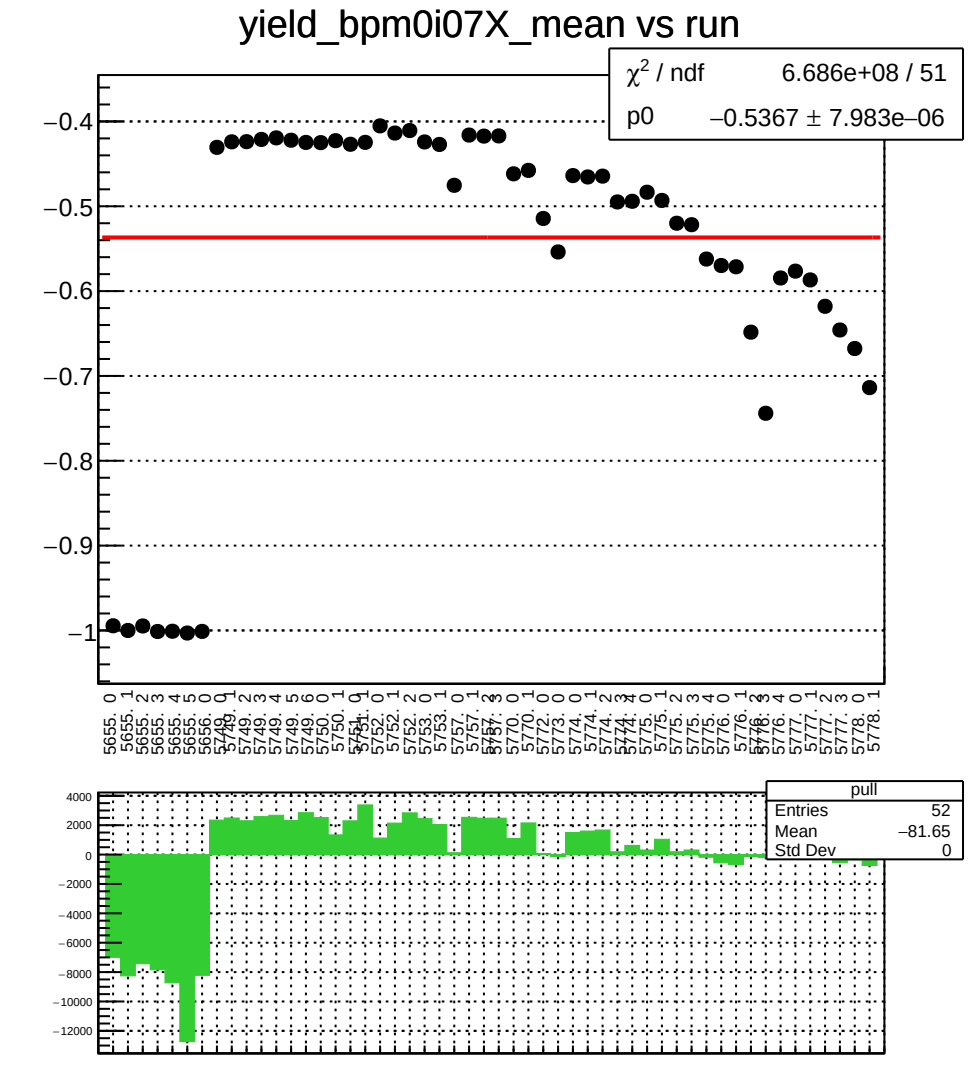

pull1D
Entries 52
Mean −3.722
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

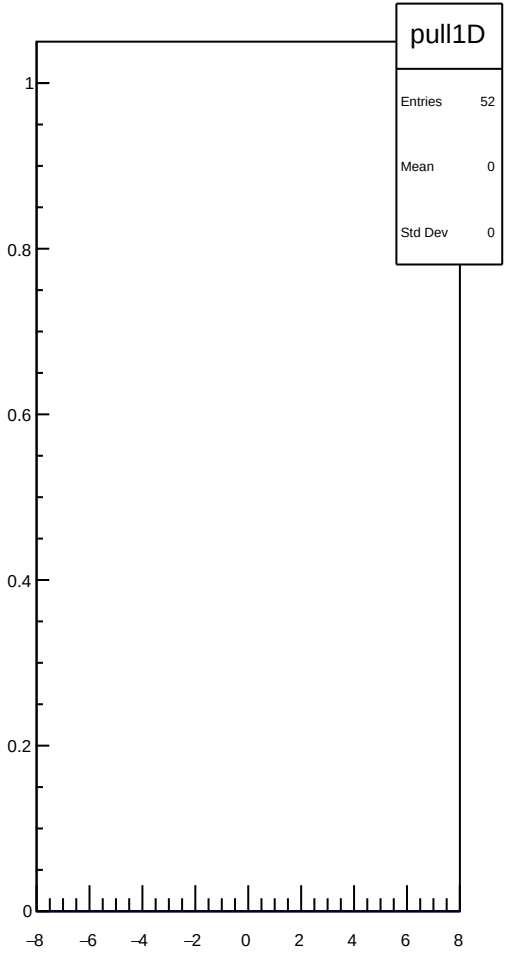

yield_bpm0i05X_rms vs run
χ² / ndf 2.627e+05 / 51
p0 0.008467 ± 9.273e−06
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

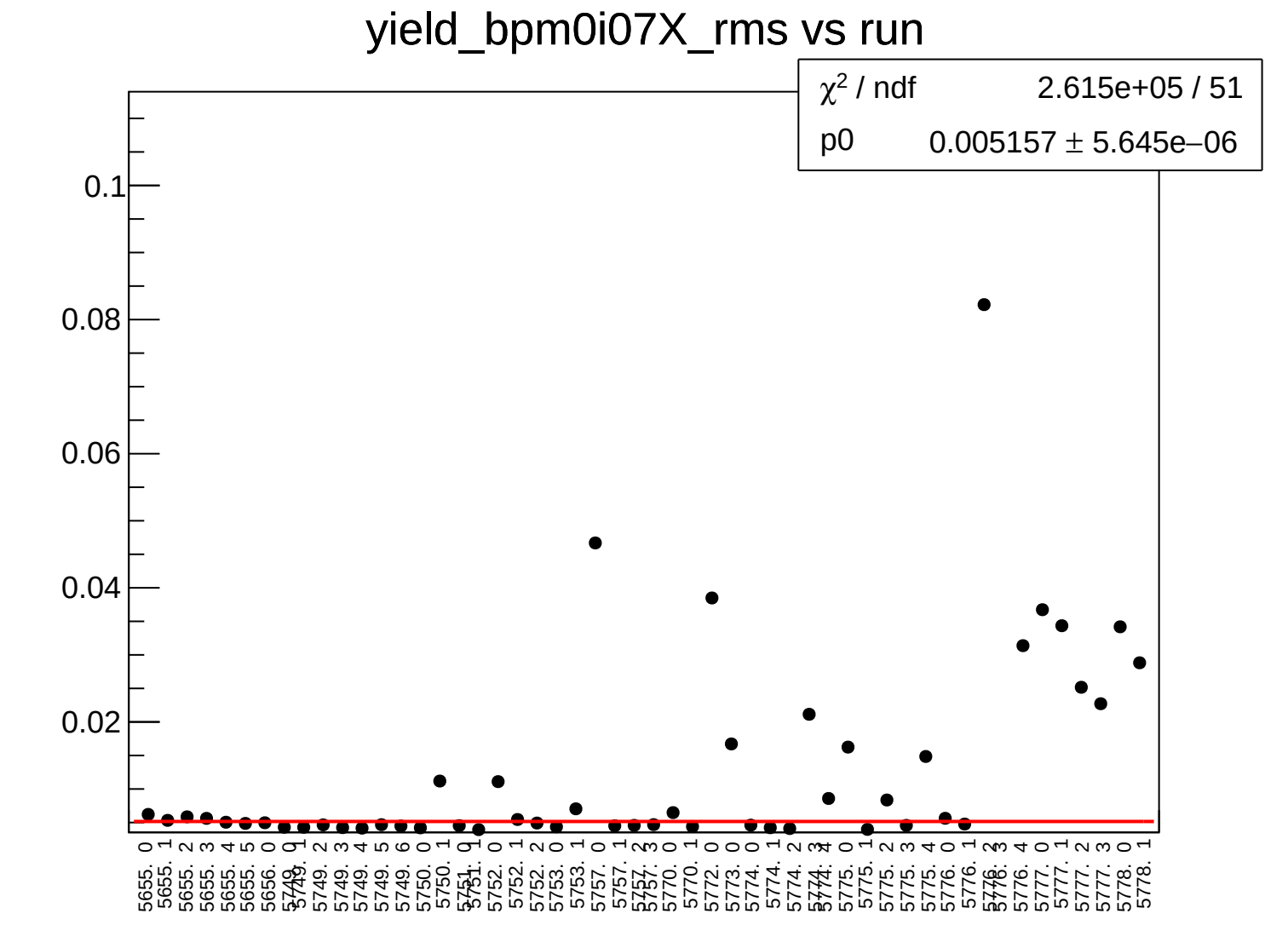

yield_bpm0i05Y_mean vs run
χ² / ndf 2.356e+08 / 51
p0 −1.693 ± 1.047e−05
pull
Entries 52
Mean 109
Std Dev 0


pull1D
Entries 52
Mean 0
Std Dev 0


yield_bpm0i05Y_rms vs run
χ² / ndf 1.891e+05 / 51
p0 0.007055 ± 7.406e−06
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


yield_bpm0i07X_mean vs run
χ² / ndf 6.686e+08 / 51
p0 −0.5367 ± 7.983e−06
pull
Entries 52
Mean −81.65
Std Dev 0


pull1D
Entries 52
Mean 0
Std Dev 0


yield_bpm0i07X_rms vs run
χ² / ndf 2.615e+05 / 51
p0 0.005157 ± 5.645e−06
0.1
0.08
0.06
0.04
0.02
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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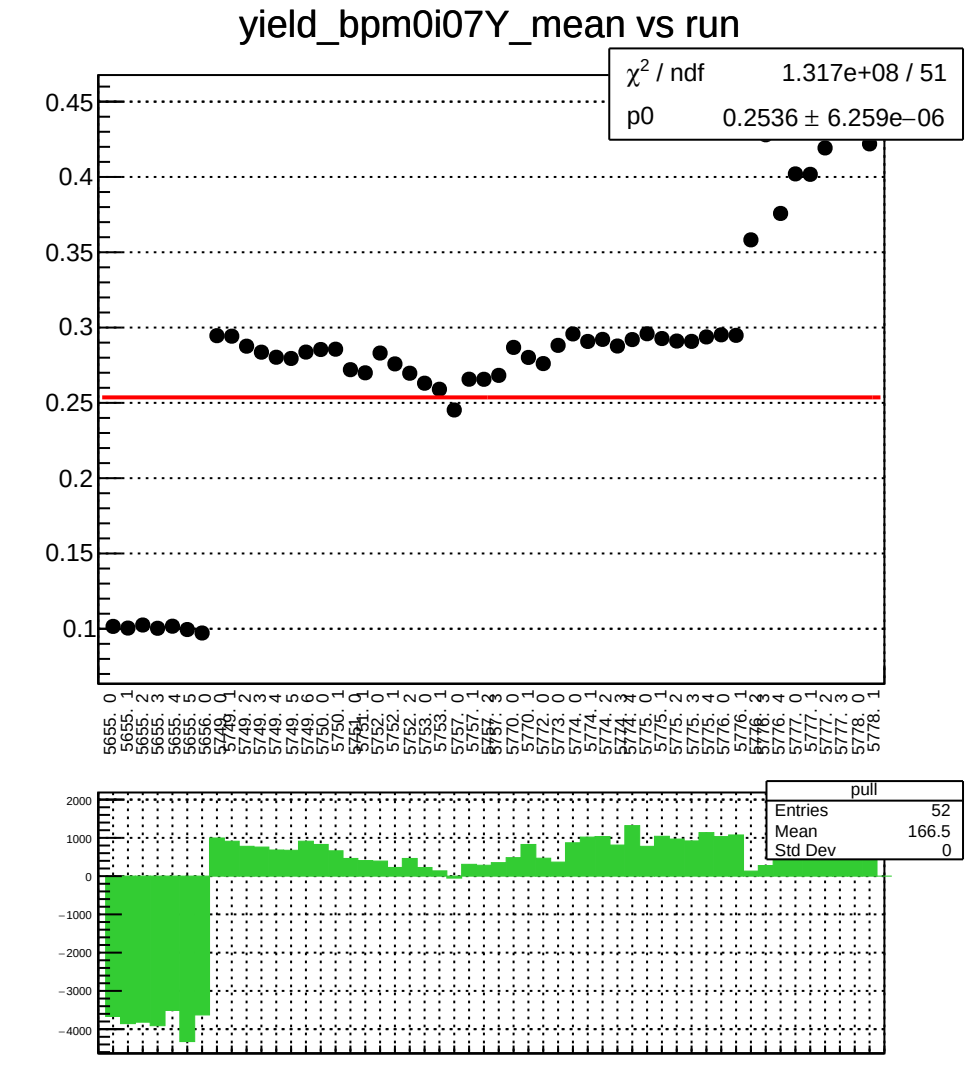
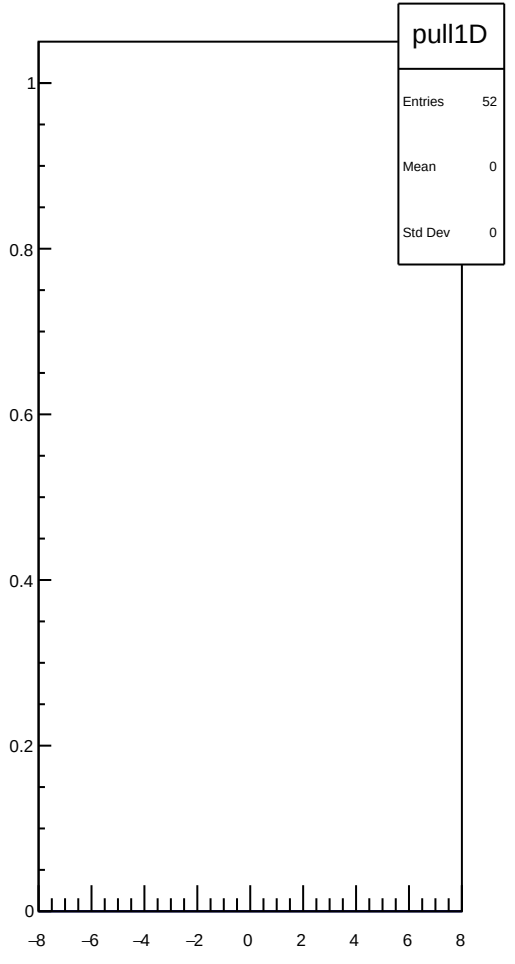
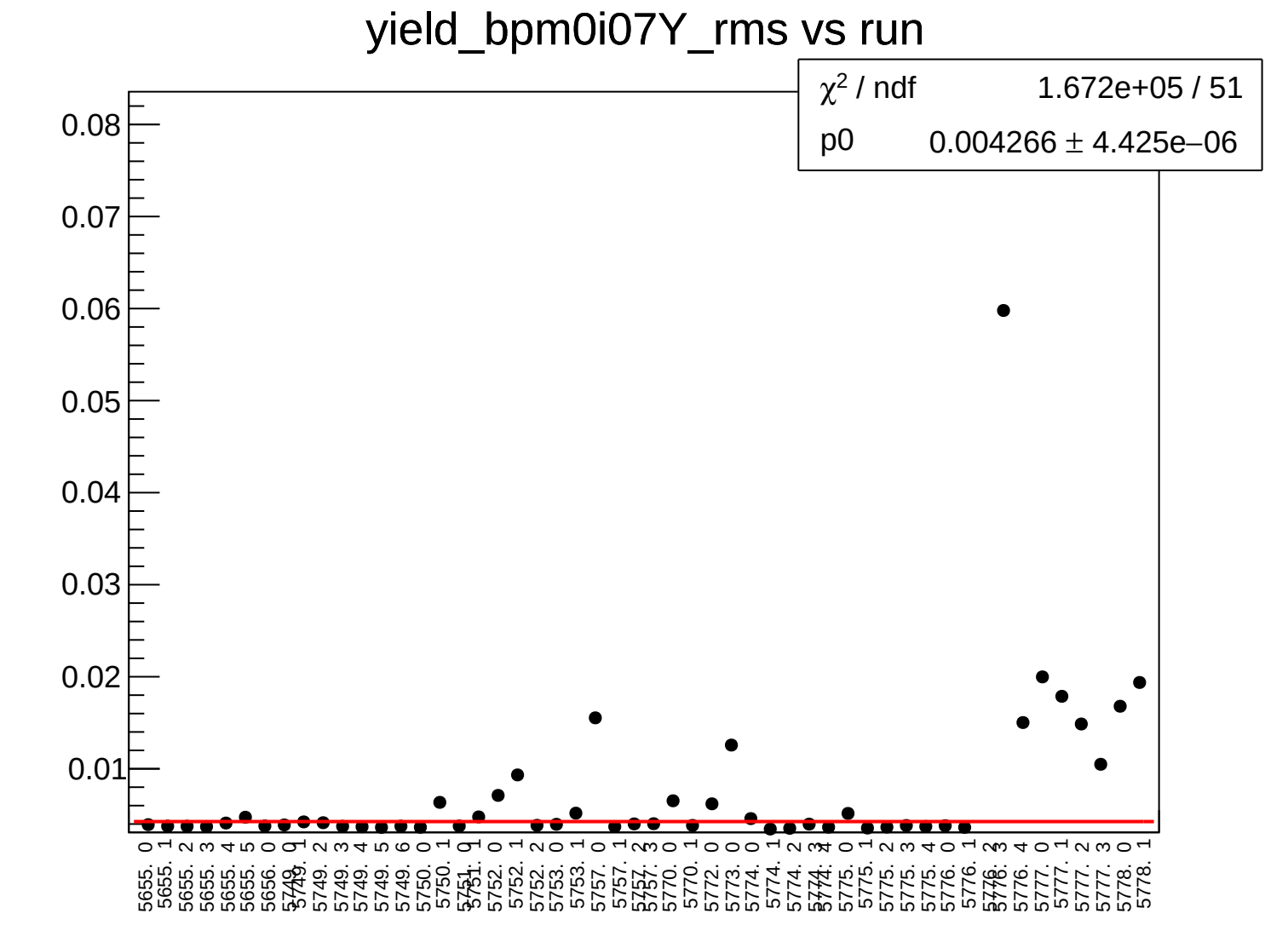
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


yield_bpm0i07Y_mean vs run
χ² / ndf 1.317e+08 / 51
p0 0.2536 ± 6.259e−06
pull
Entries 52
Mean 166.5
Std Dev 0


pull1D
Entries 52
Mean 0
Std Dev 0


yield_bpm0i07Y_rms vs run
χ² / ndf 1.672e+05 / 51
p0 0.004266 ± 4.425e−06
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
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5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
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5757. 1
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5775. 0
5775. 1
5775. 2
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5775. 4
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5777. 2
5777. 3
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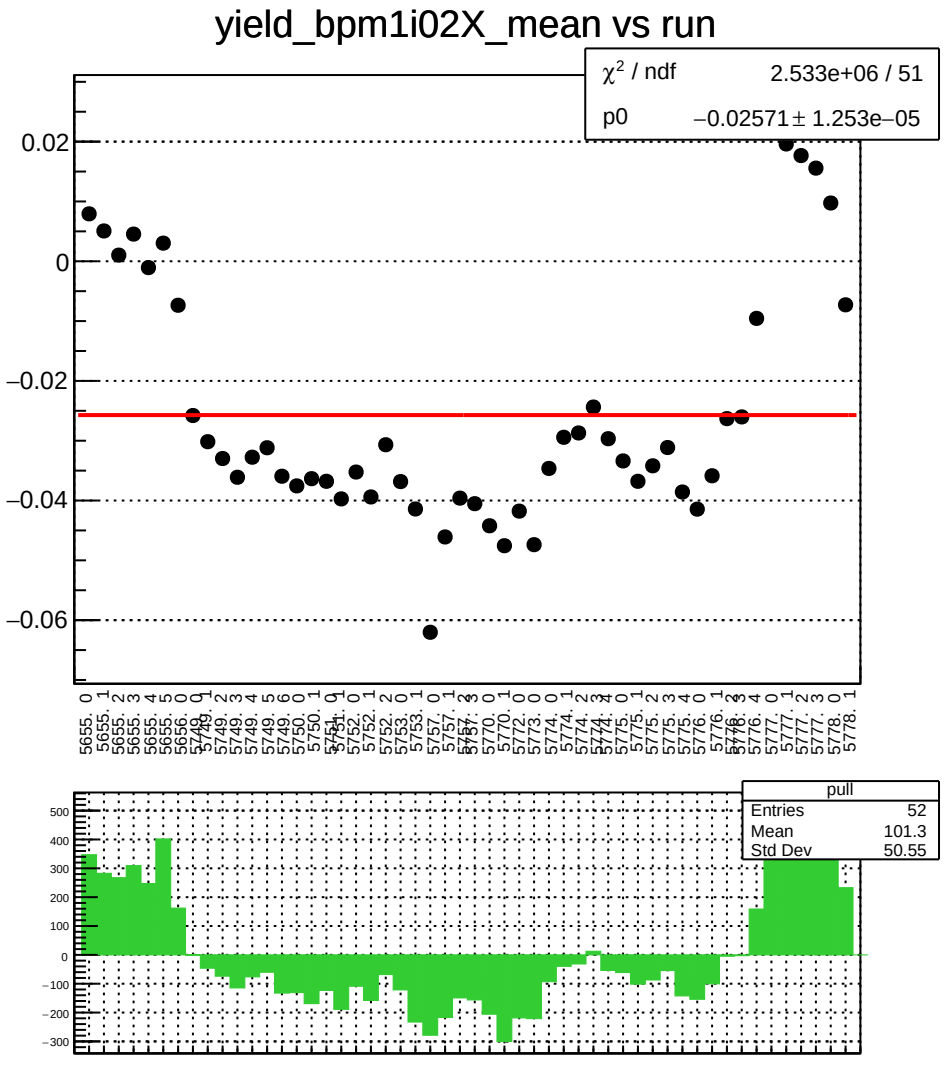
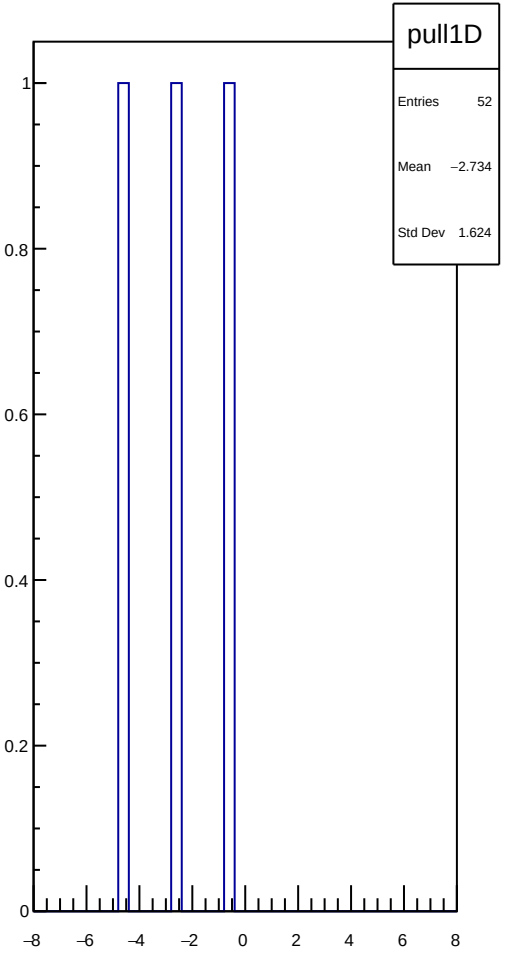
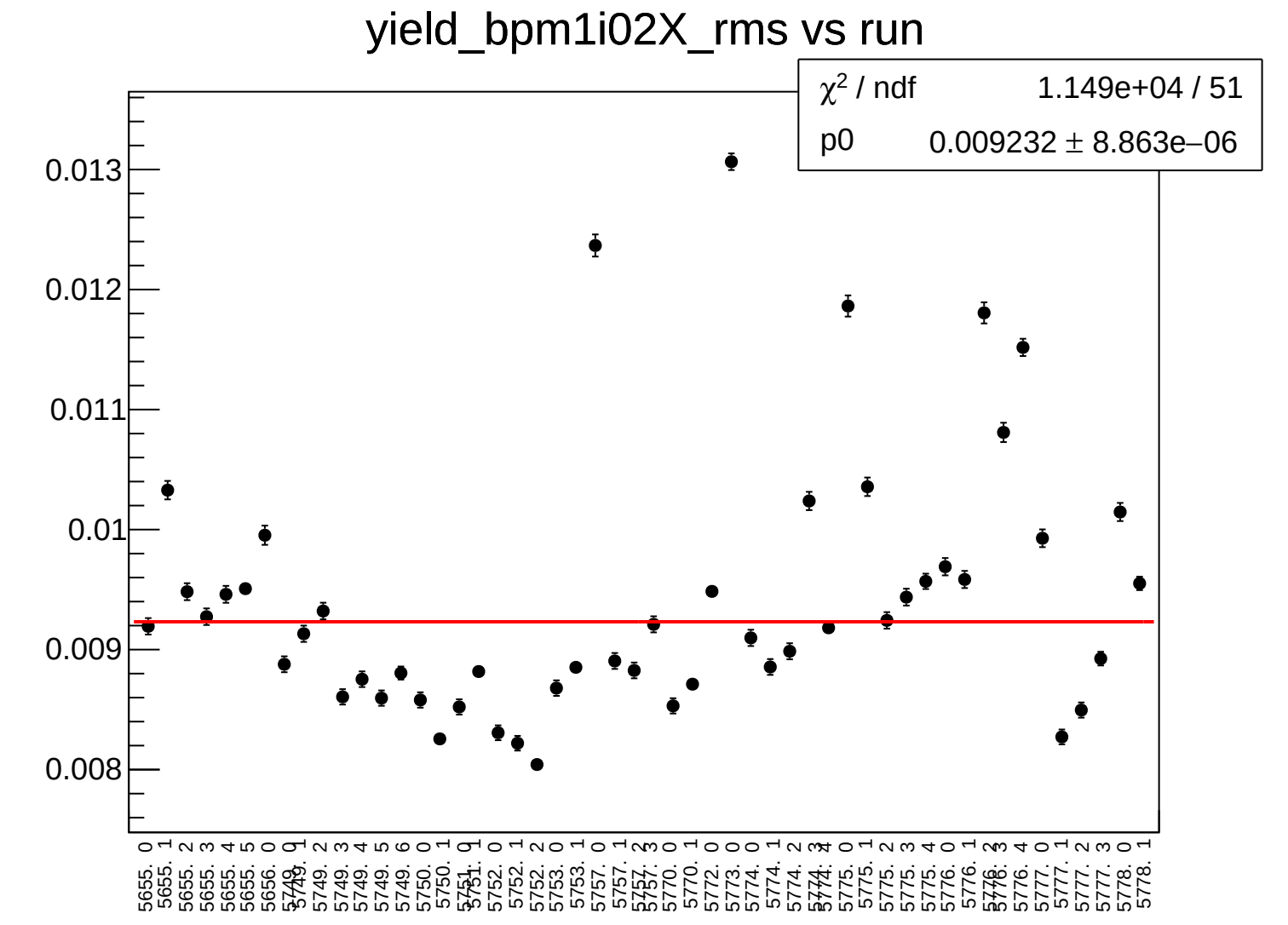
5778. 1


yield_bpm1i02X_mean vs run
χ² / ndf 2.533e+06 / 51
p0 −0.02571 ± 1.253e−05
0.02
0
−0.02
−0.04
−0.06
pull
Entries 52
Mean 101.3
Std Dev 50.55
500
400
300
200
100
0
−100
−200
−300


pull1D
Entries 52
Mean −2.734
Std Dev 1.624
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bpm1i02X_rms vs run
χ² / ndf 1.149e+04 / 51
p0 0.009232 ± 8.863e−06
0.013
0.012
0.011
0.01
0.009
0.008
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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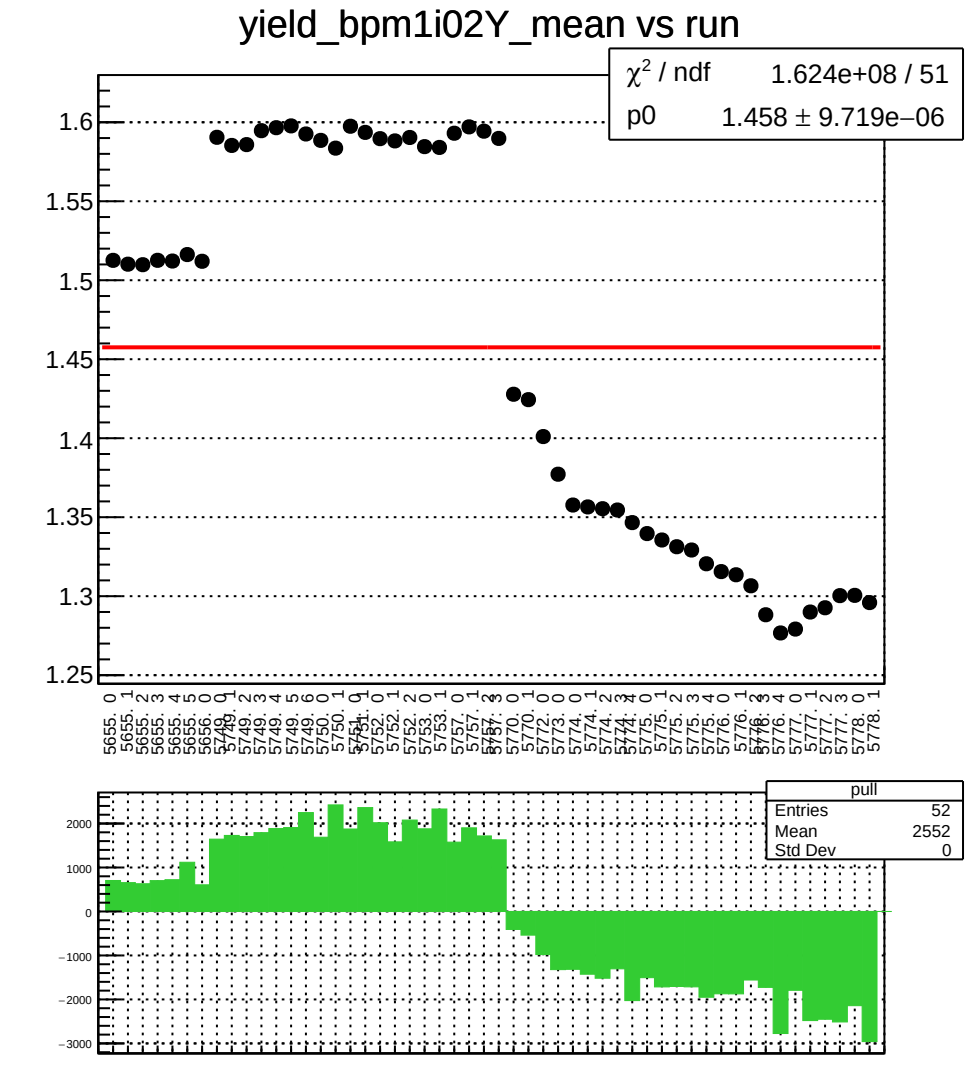
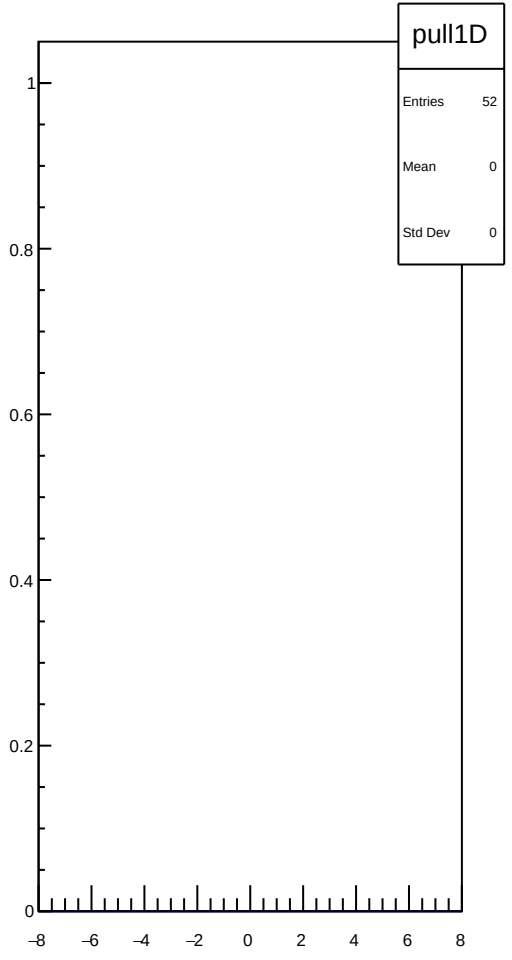
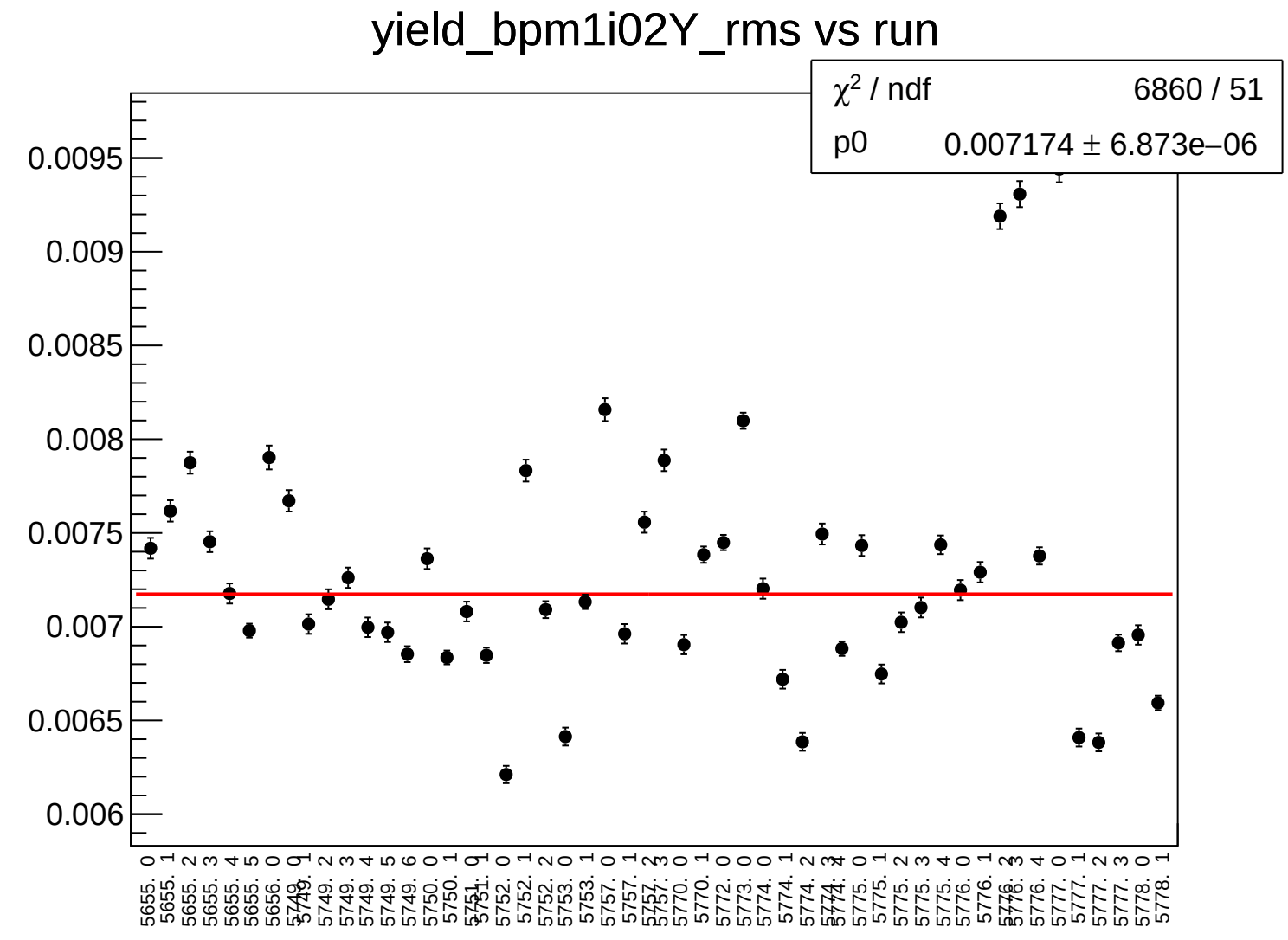
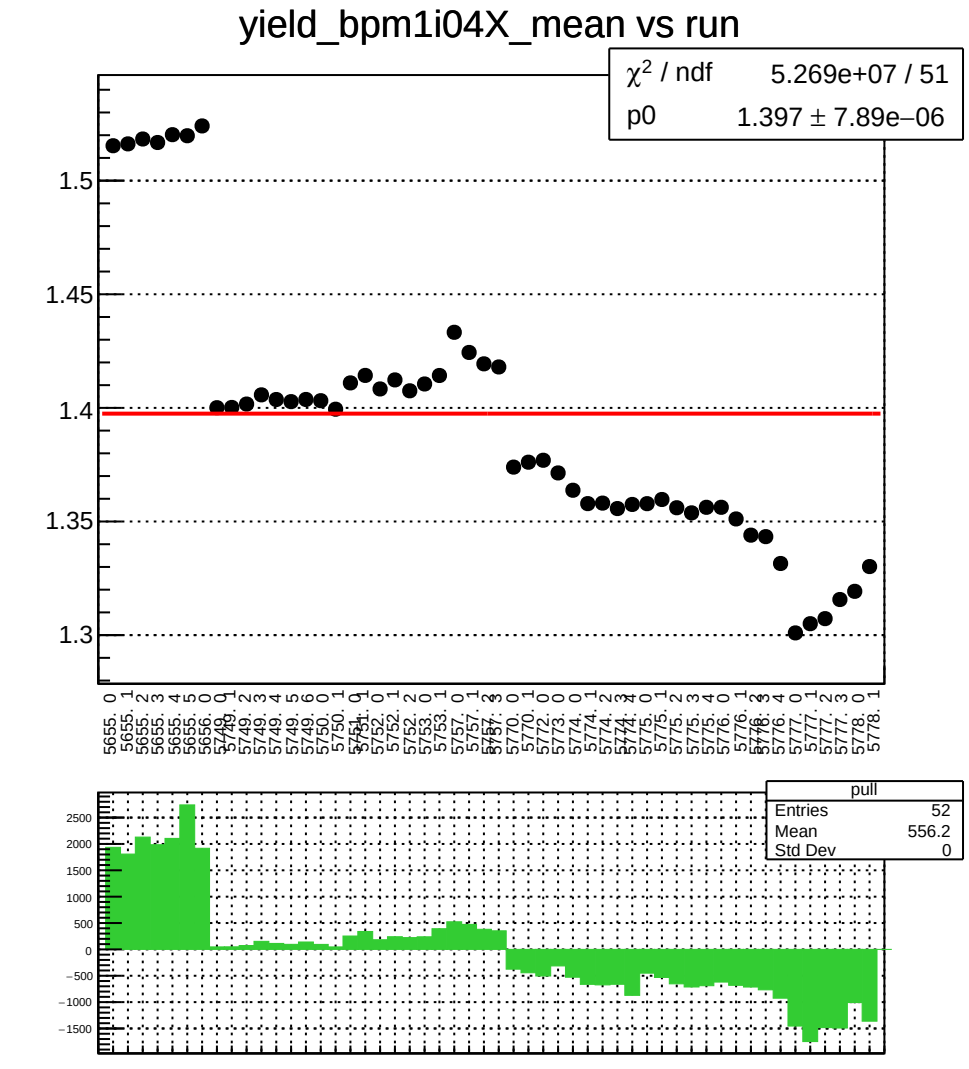
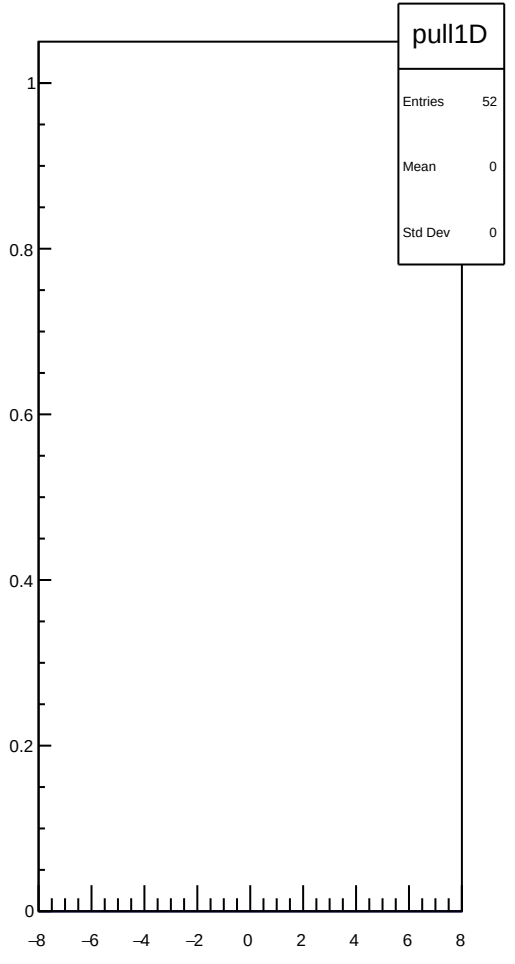
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

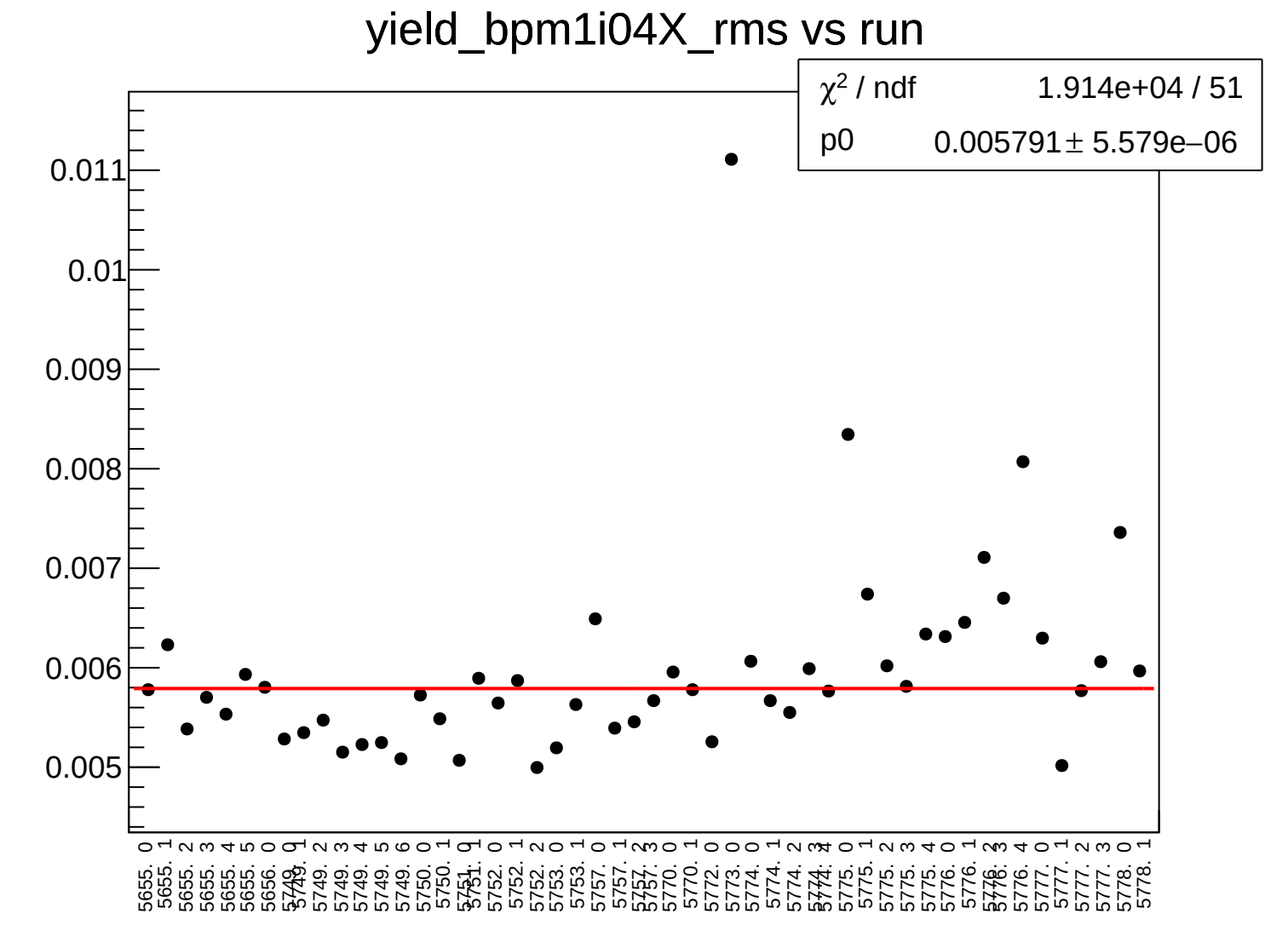

yield_bpm1i02Y_mean vs run
χ² / ndf 1.624e+08 / 51
p0 1.458 ± 9.719e−06
pull
Entries 52
Mean 2552
Std Dev 0

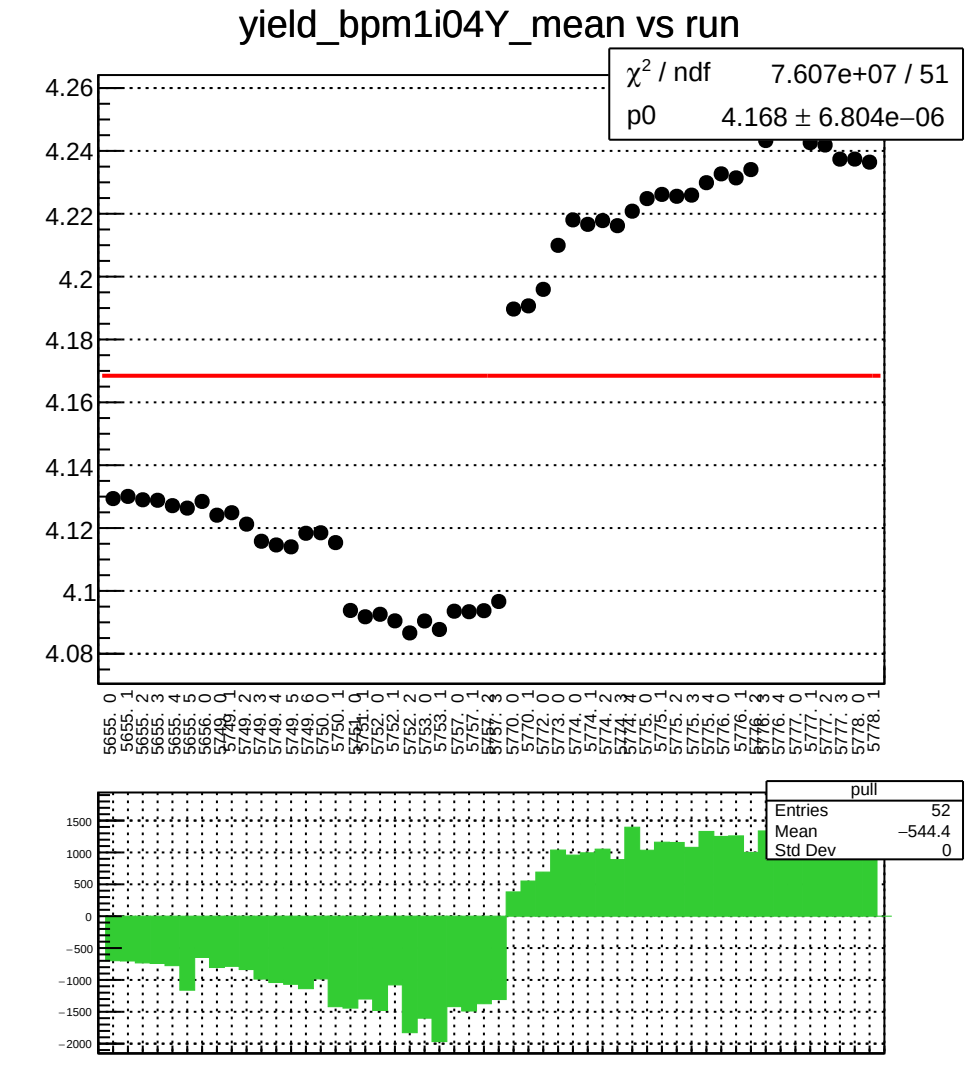

pull1D
Entries 52
Mean 0
Std Dev 0

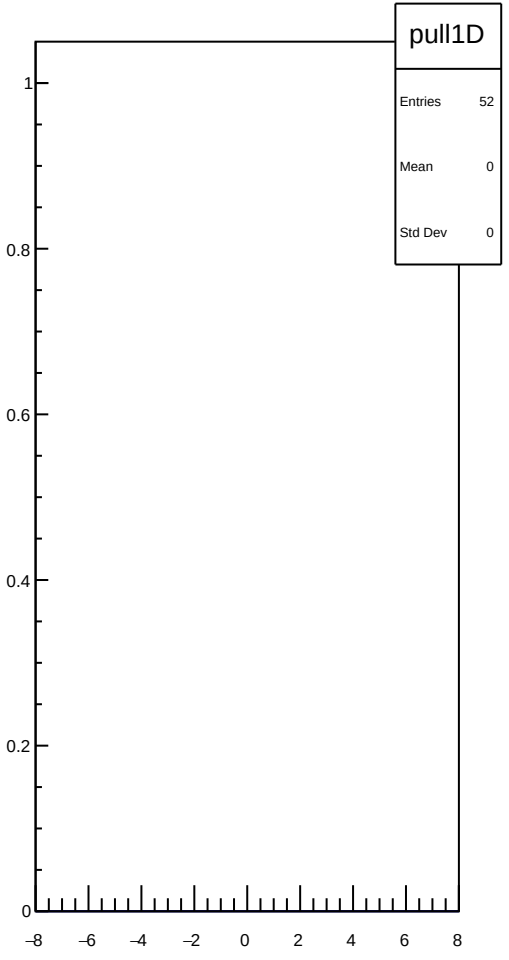

yield_bpm1i02Y_rms vs run
χ² / ndf 6860 / 51
p0 0.007174 ± 6.873e−06
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

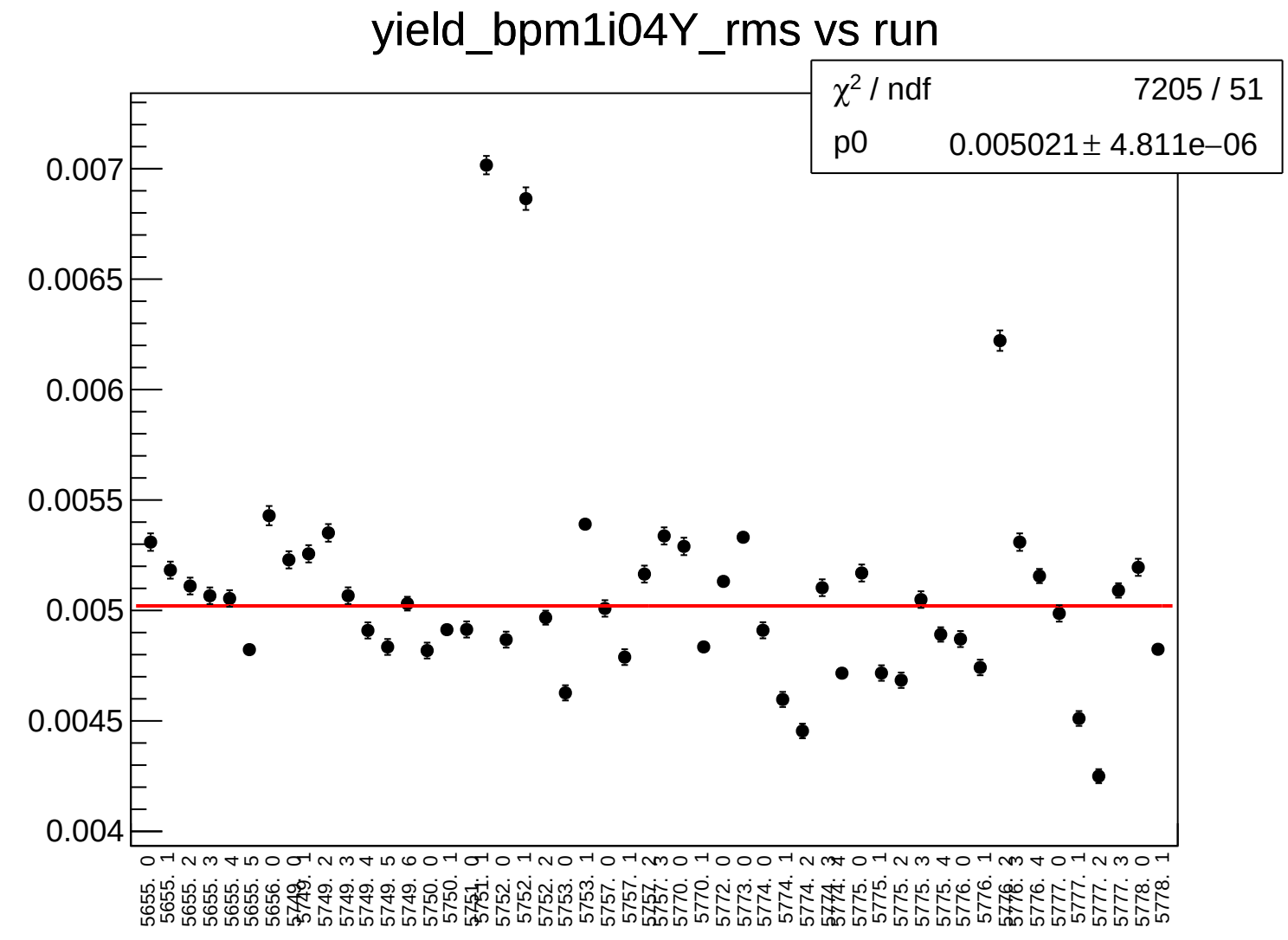

yield_bpm1i04X_mean vs run
χ² / ndf 5.269e+07 / 51
p0 1.397 ± 7.89e−06
1.5
1.45
1.4
1.35
1.3
pull
Entries 52
Mean 556.2
Std Dev 0
2500
2000
1500
1000
500
0
−500
−1000
−1500

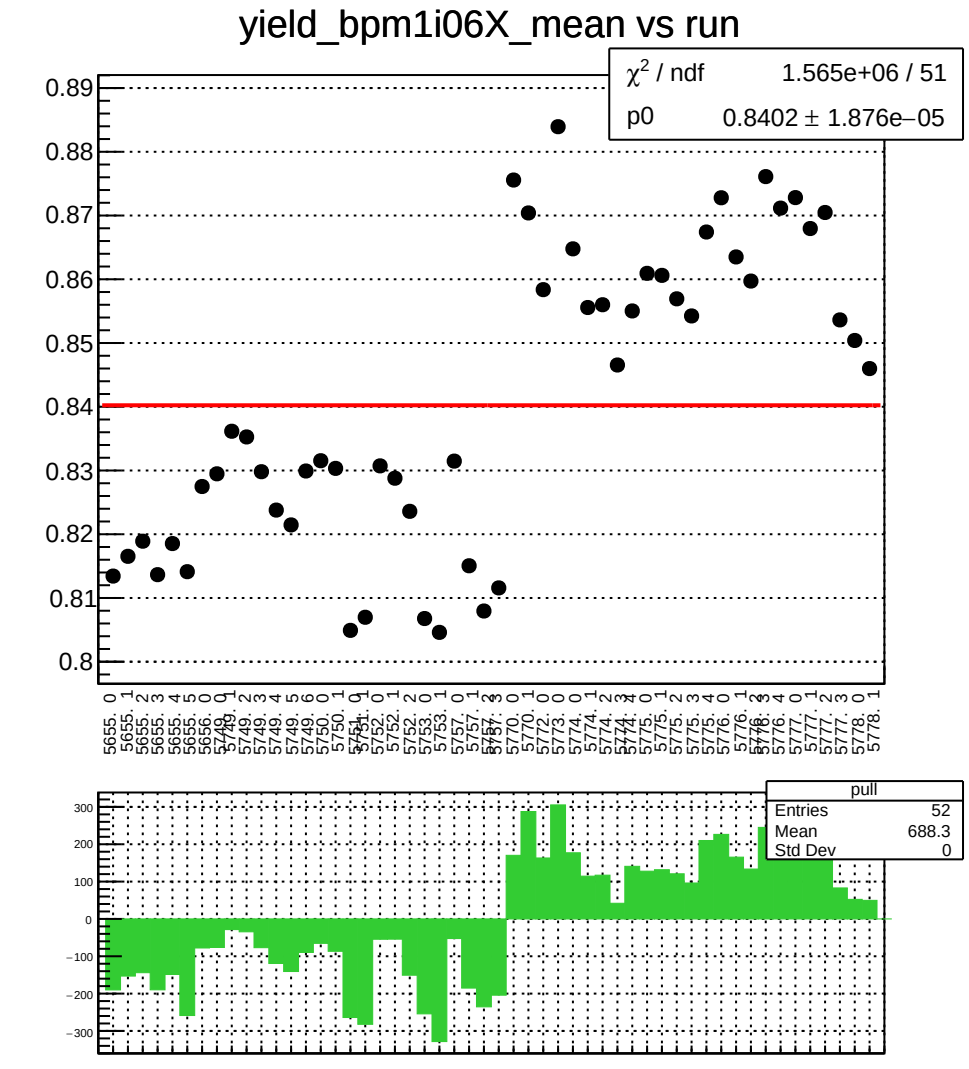

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

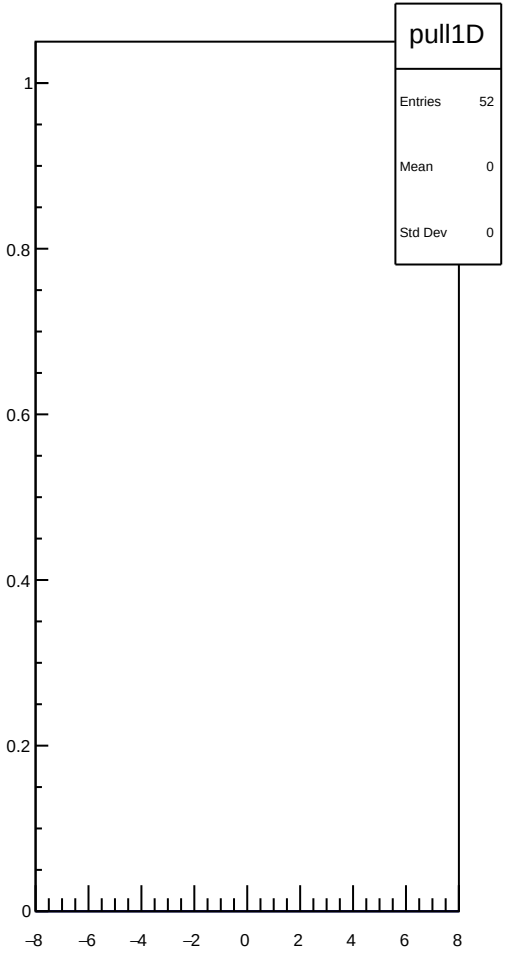

yield_bpm1i04X_rms vs run
χ² / ndf 1.914e+04 / 51
p0 0.005791 ± 5.579e−06
0.011
0.01
0.009
0.008
0.007
0.006
0.005
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

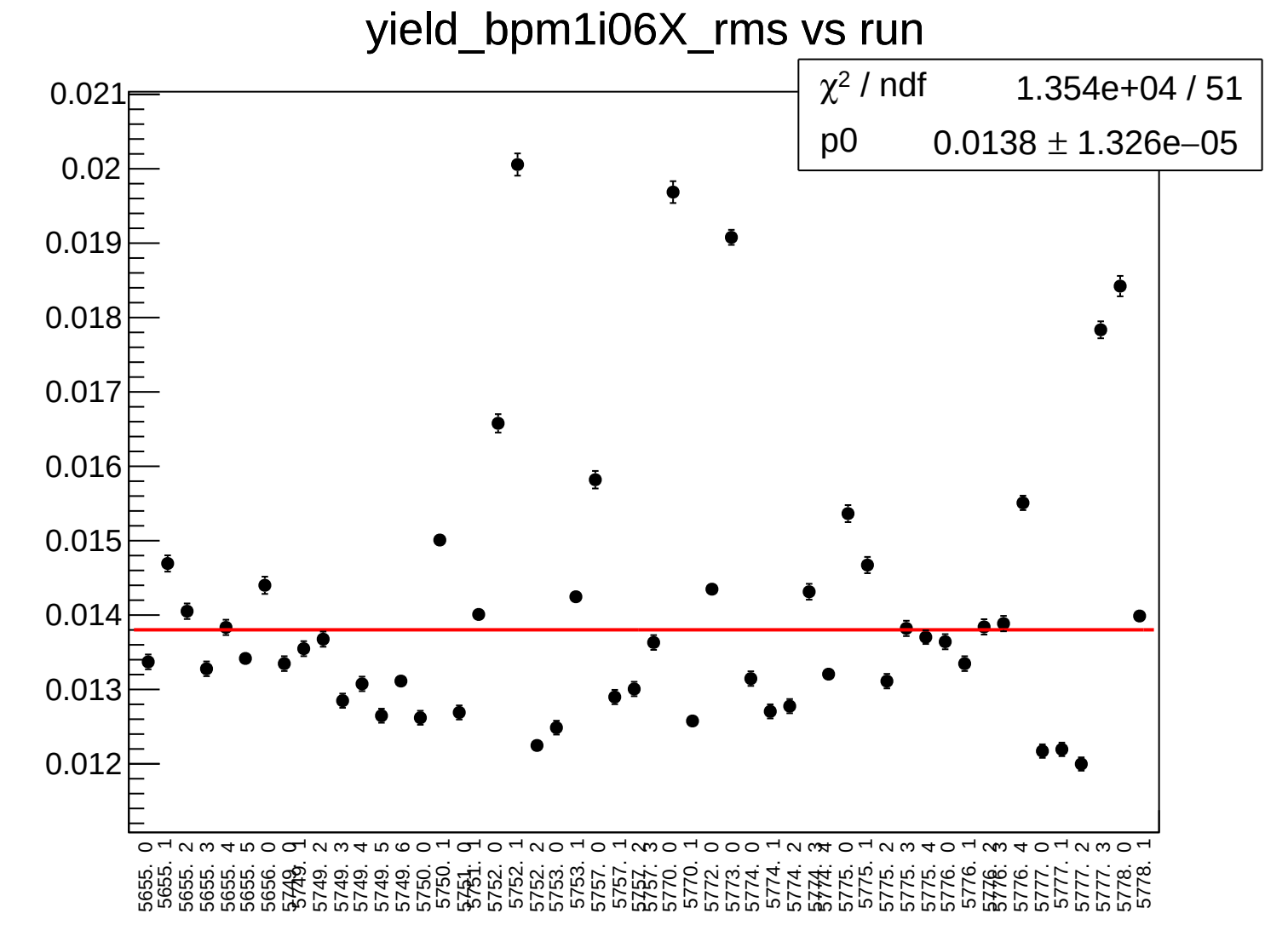

yield_bpm1i04Y_mean vs run
χ² / ndf 7.607e+07 / 51
p0 4.168 ± 6.804e−06
4.26
4.24
4.22
4.2
4.18
4.16
4.14
4.12
4.1
4.08
pull
Entries 52
Mean −544.4
Std Dev 0
1500
1000
500
0
−500
−1000
−1500
−2000

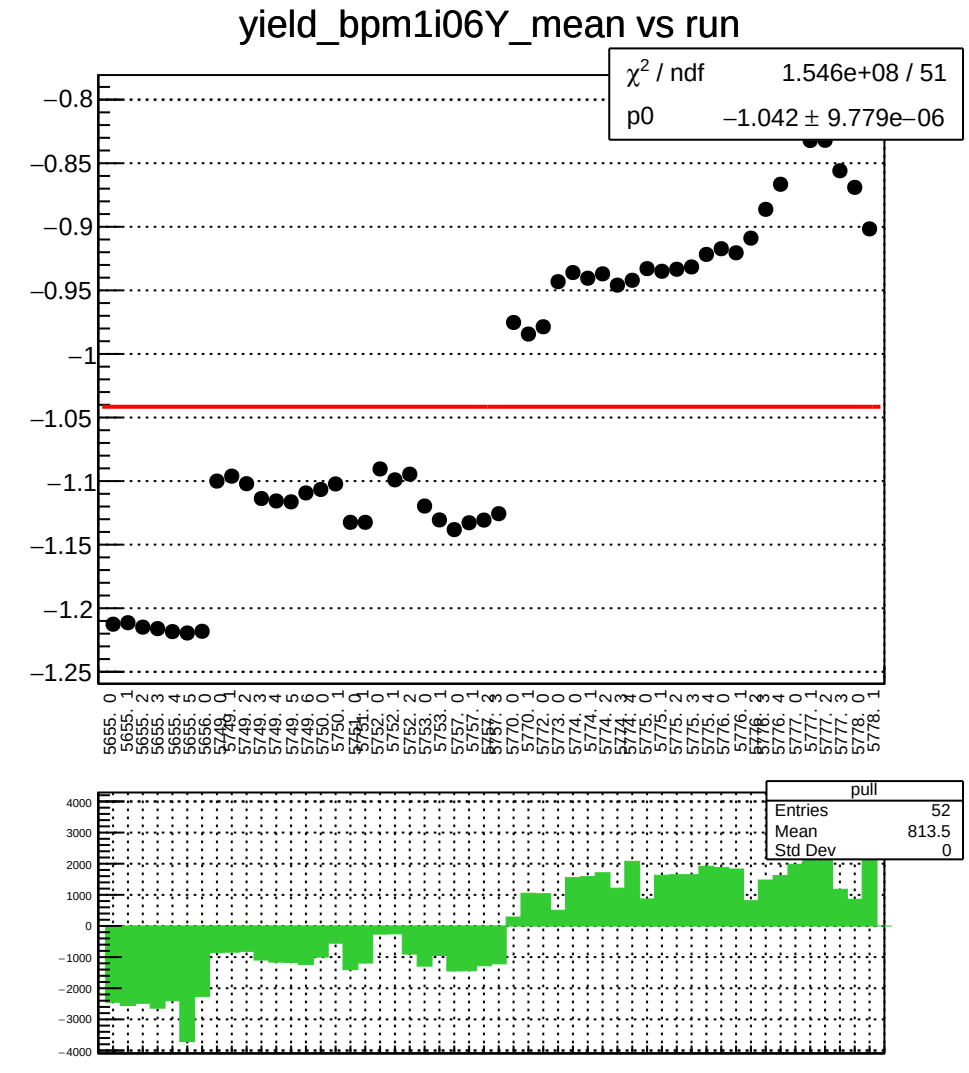

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

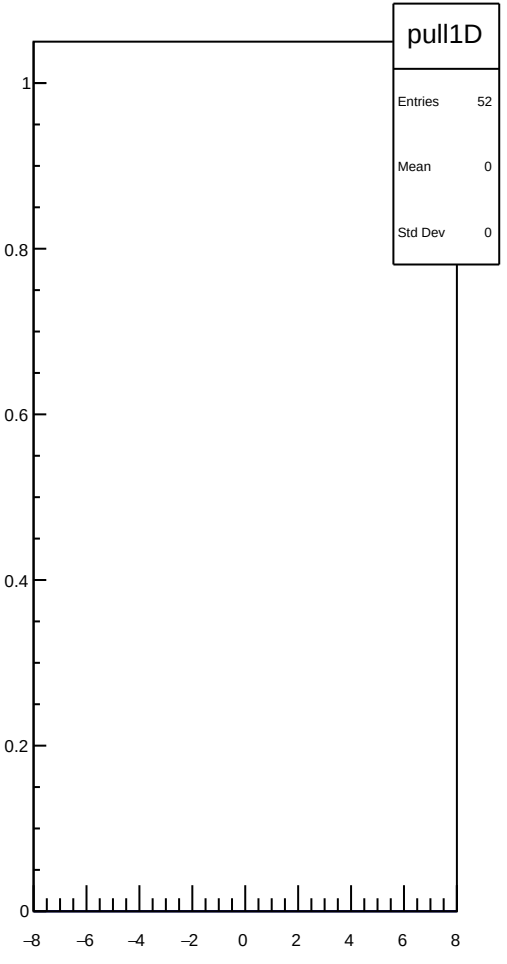

yield_bpm1i04Y_rms vs run
χ² / ndf 7205 / 51
p0 0.005021 ± 4.811e−06
0.007
0.0065
0.006
0.0055
0.005
0.0045
0.004
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

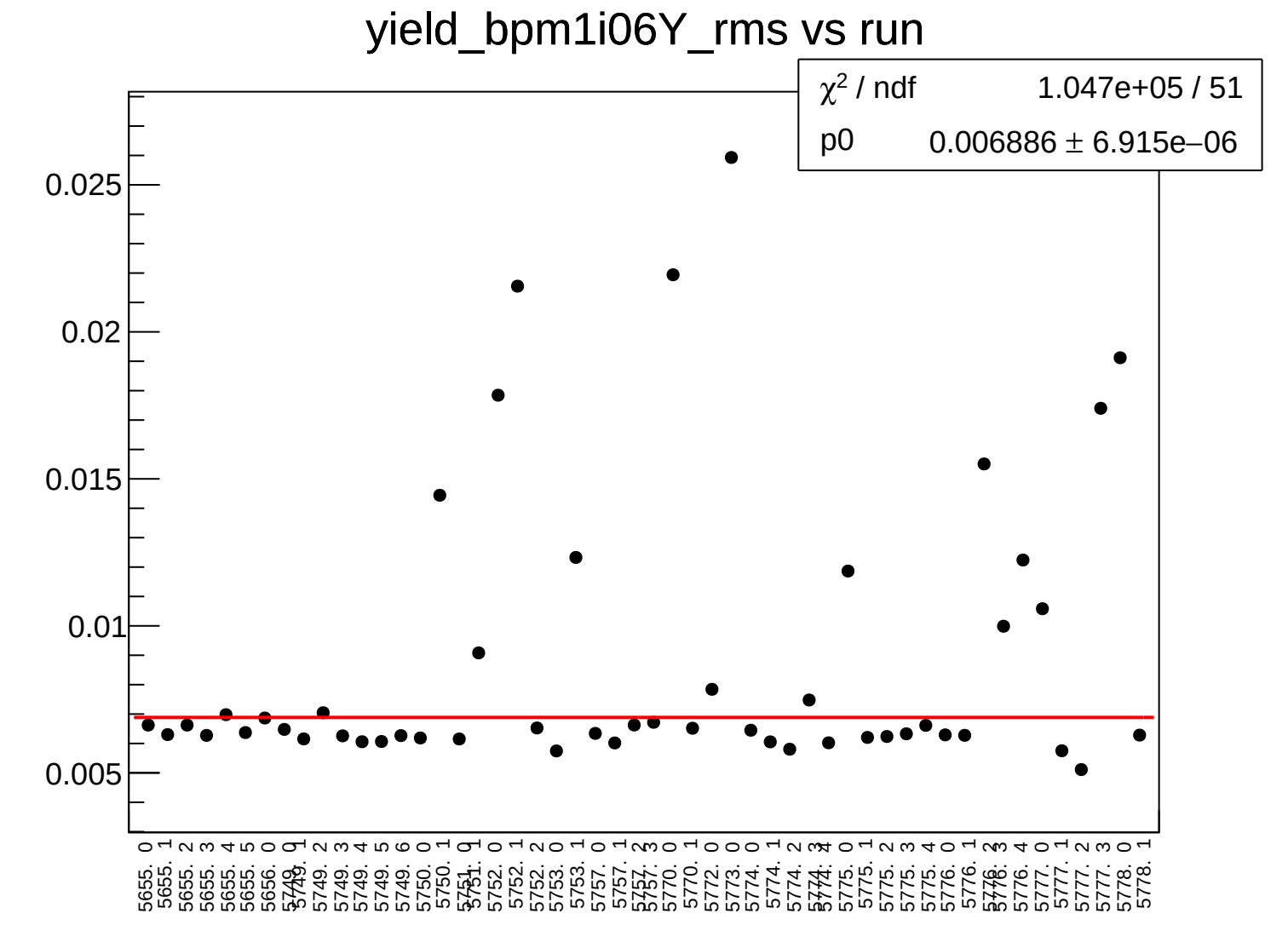

yield_bpm1i06X_mean vs run
χ² / ndf 1.565e+06 / 51
p0 0.8402 ± 1.876e−05
pull
Entries 52
Mean 688.3
Std Dev 0

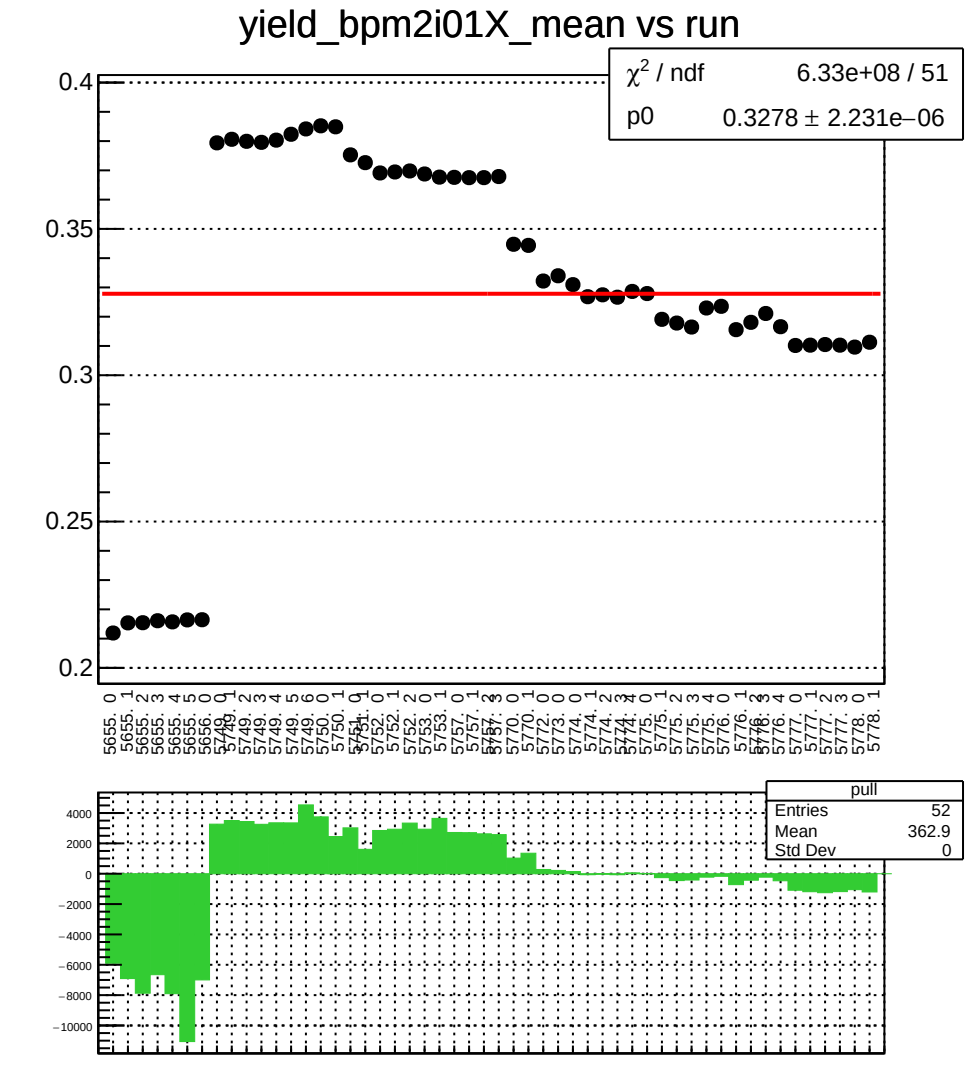

pull1D
Entries 52
Mean 0
Std Dev 0

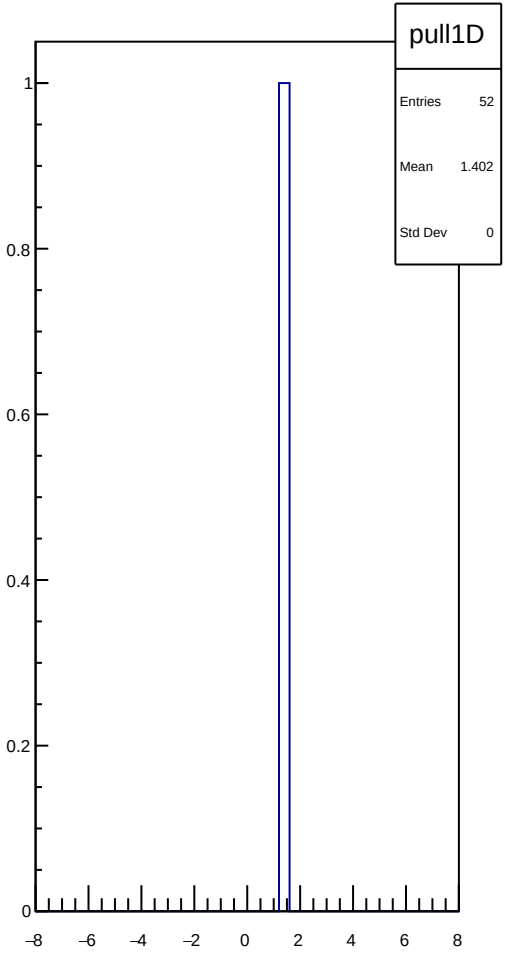

yield_bpm1i06X_rms vs run
χ² / ndf 1.354e+04 / 51
p0 0.0138 ± 1.326e−05
0.021
0.02
0.019
0.018
0.017
0.016
0.015
0.014
0.013
0.012
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

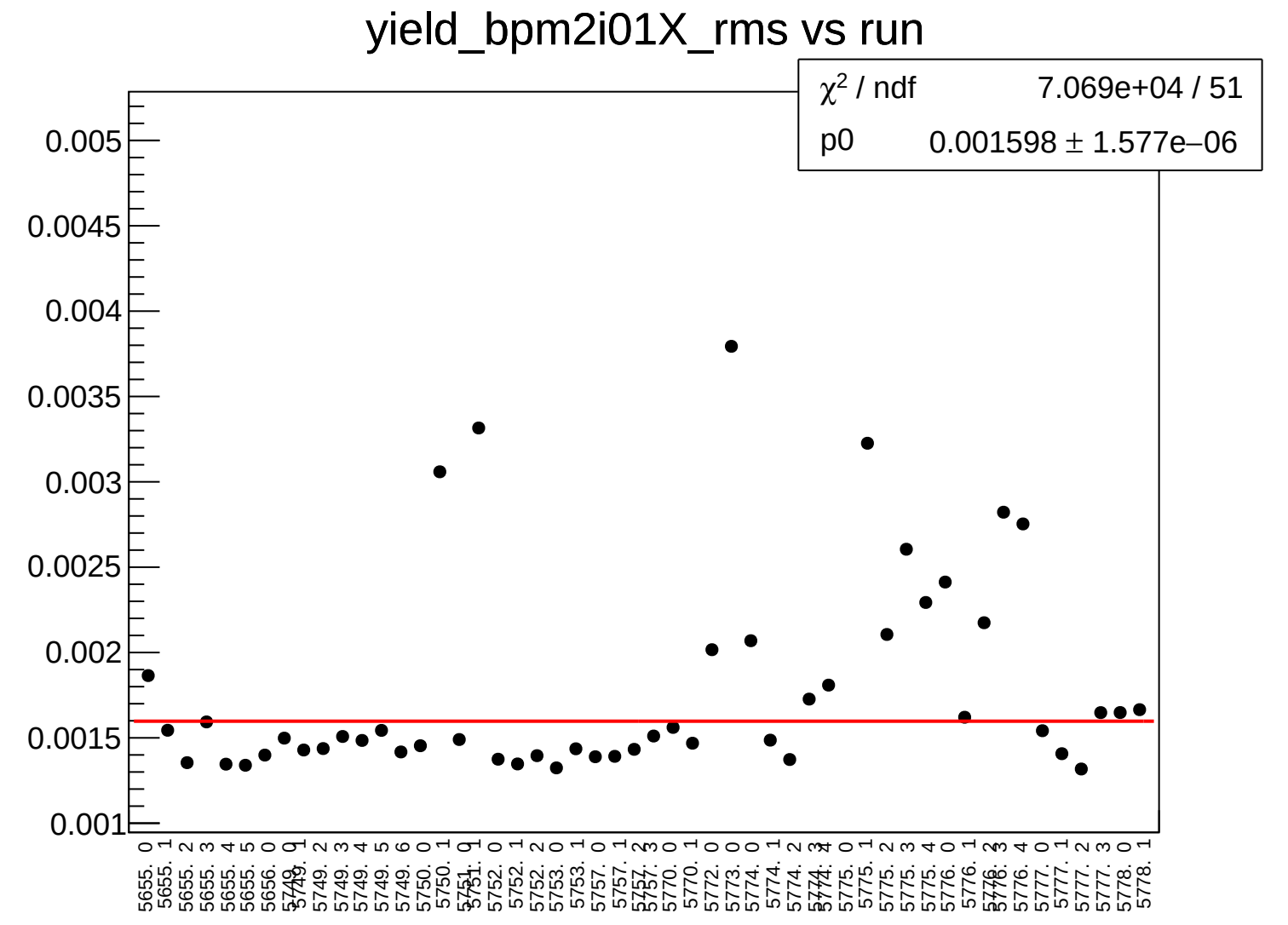

yield_bpm1i06Y_mean vs run
χ² / ndf 1.546e+08 / 51
p0 −1.042 ± 9.779e−06
pull
Entries 52
Mean 813.5
Std Dev 0

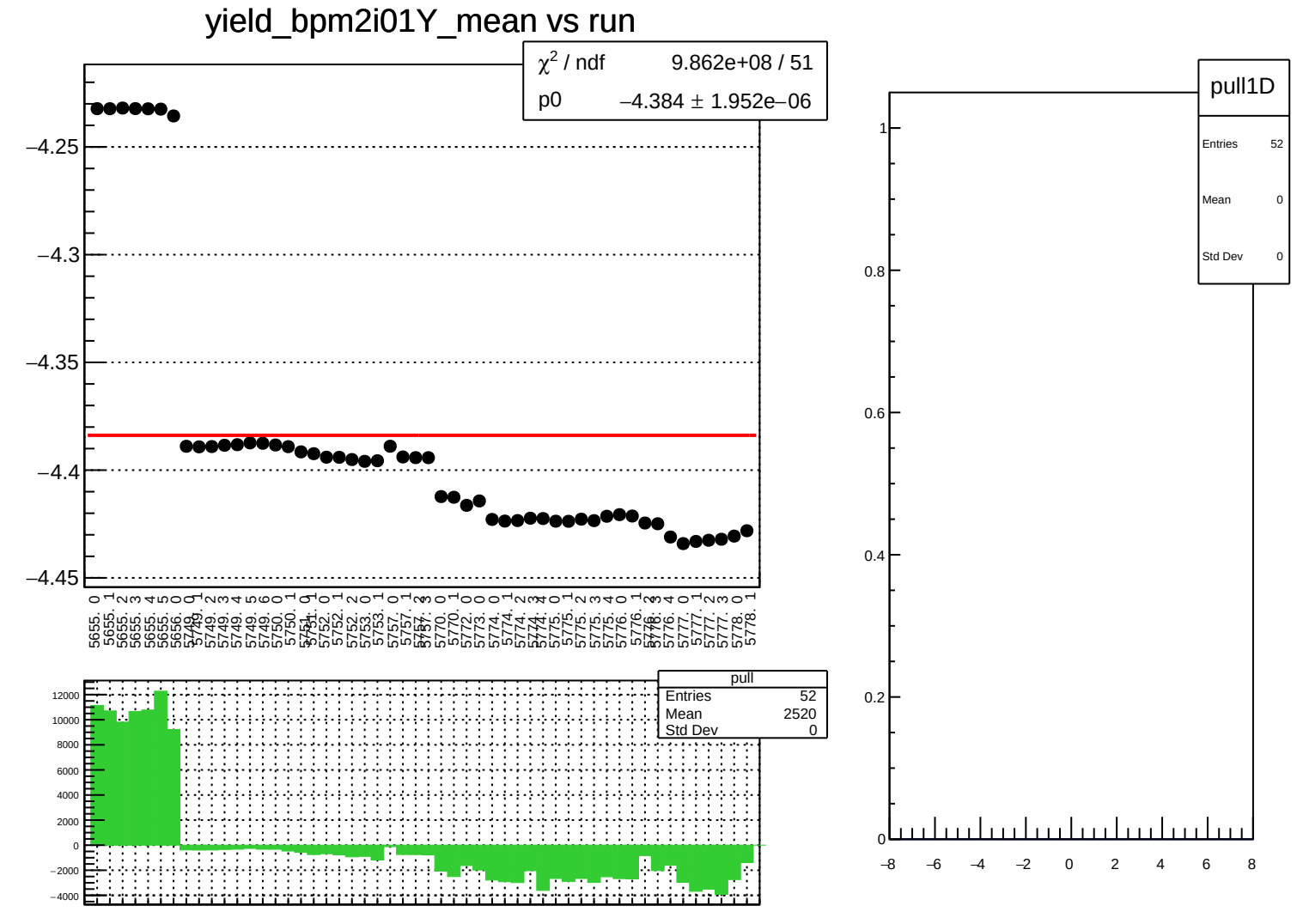

pull1D
Entries 52
Mean 0
Std Dev 0

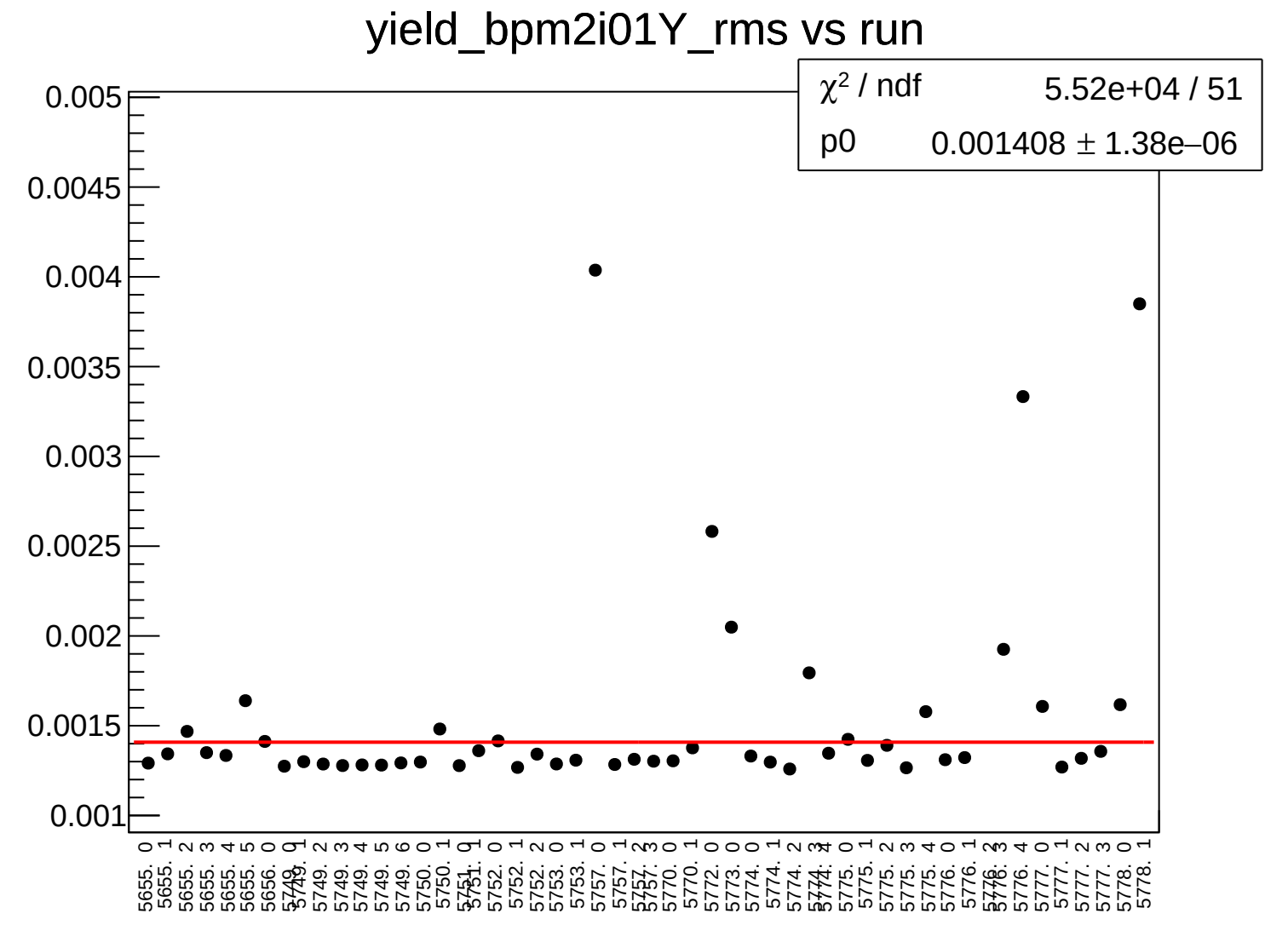

yield_bpm1i06Y_rms vs run
χ² / ndf 1.047e+05 / 51
p0 0.006886 ± 6.915e−06
0.025
0.02
0.015
0.01
0.005
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

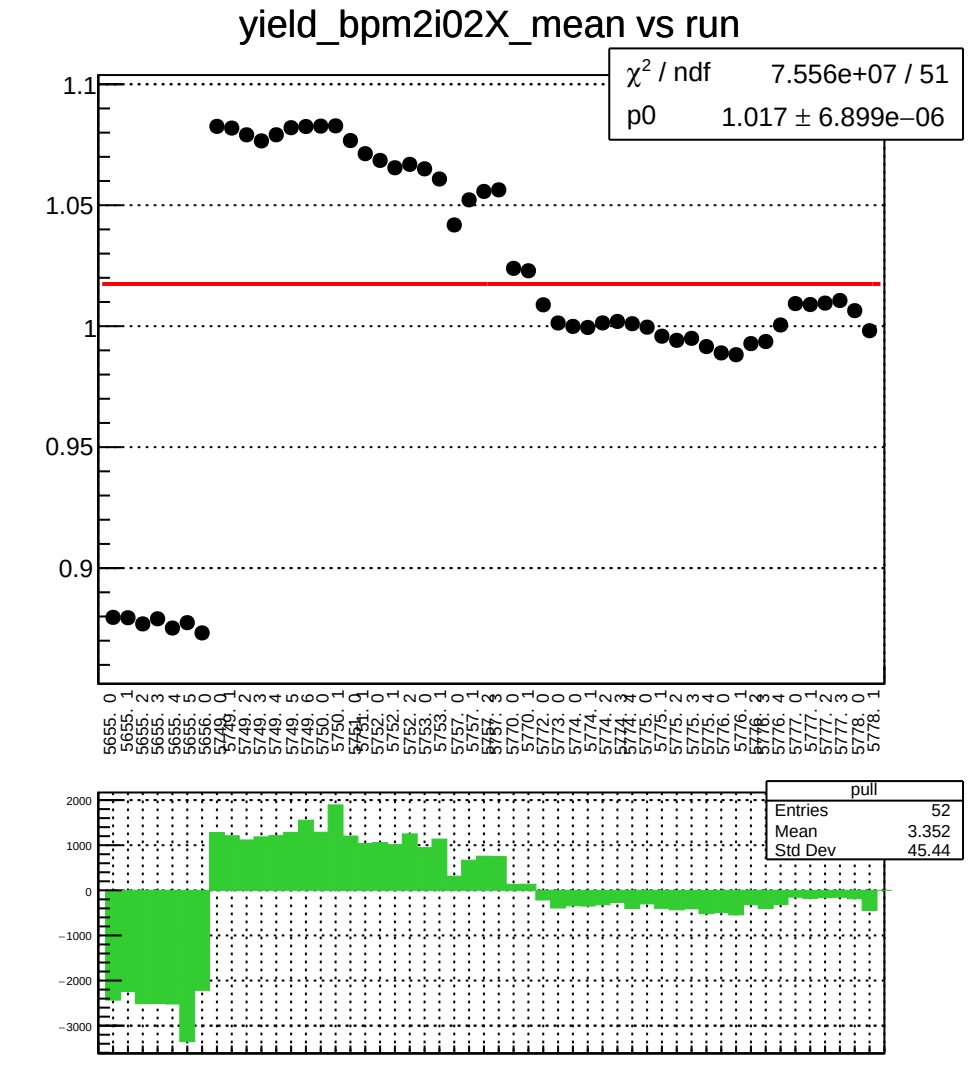

yield_bpm2i01X_mean vs run
χ² / ndf 6.33e+08 / 51
p0 0.3278 ± 2.231e−06
0.4
0.35
0.3
0.25
0.2
pull
Entries 52
Mean 362.9
Std Dev 0
4000
2000
0
−2000
−4000
−6000
−8000
−10000

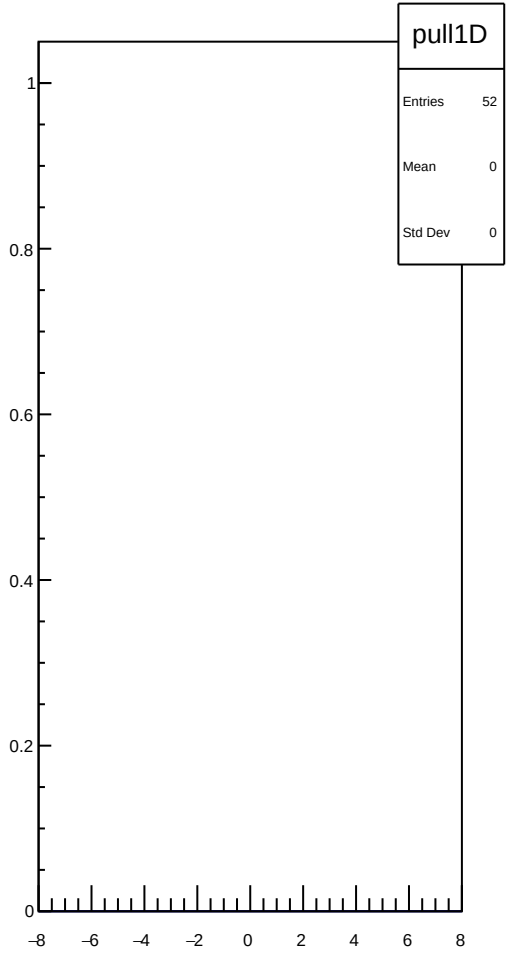

pull1D
Entries 52
Mean 1.402
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

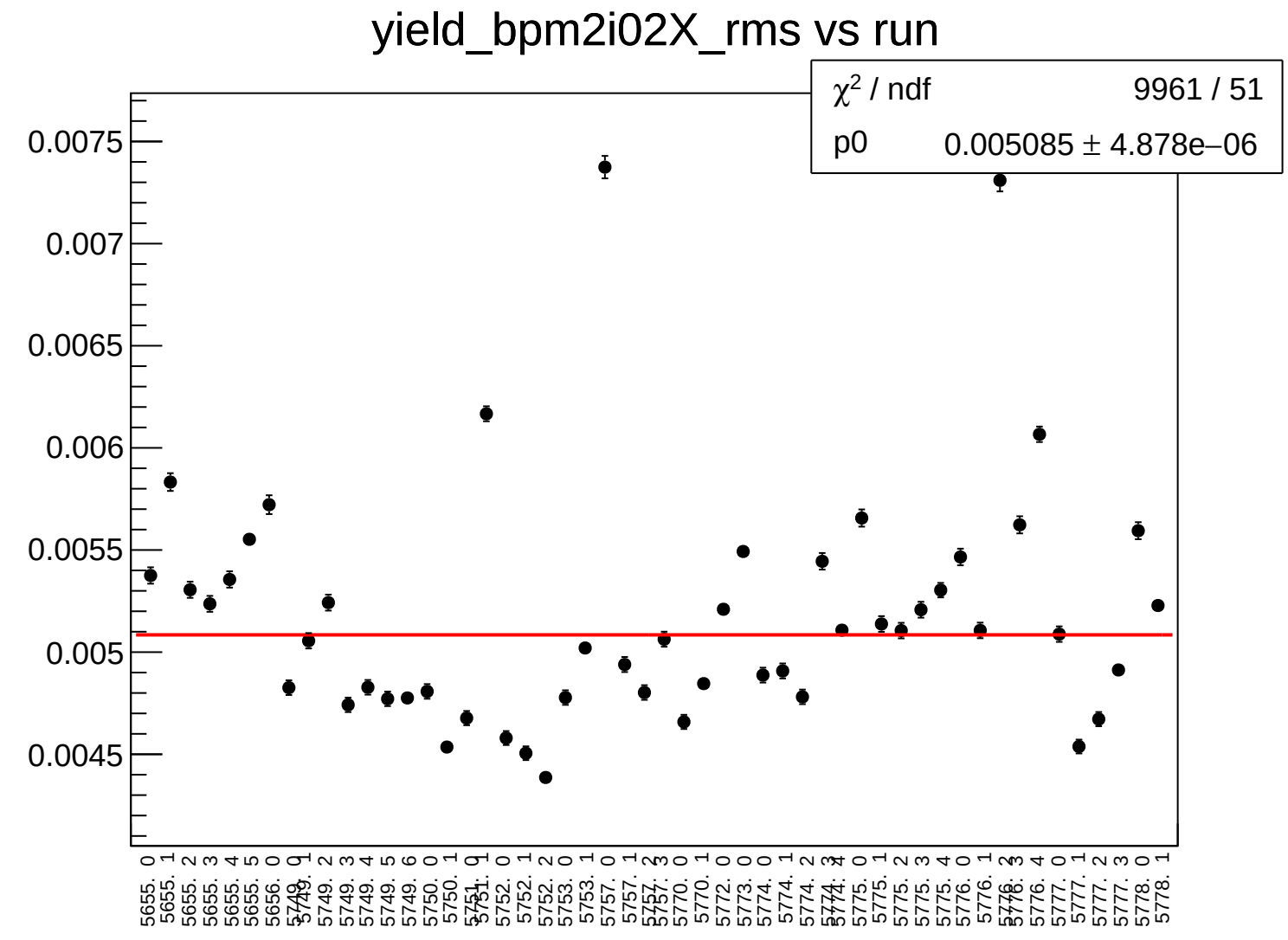

yield_bpm2i01X_rms vs run
χ² / ndf 7.069e+04 / 51
p0 0.001598 ± 1.577e−06
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

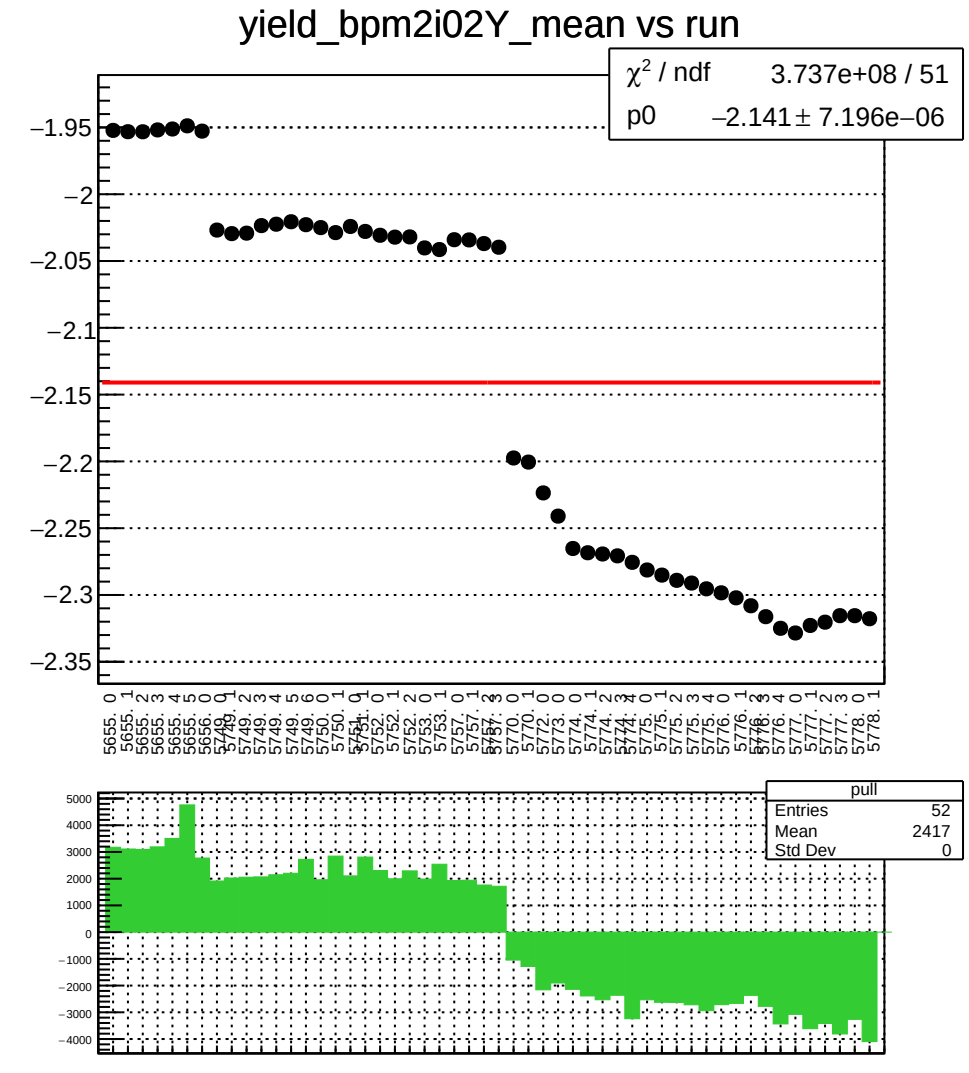

yield_bpm2i01Y_mean vs run
χ² / ndf 9.862e+08 / 51
p0 −4.384 ± 1.952e−06
−4.25
−4.3
−4.35
−4.4
−4.45
pull
Entries 52
Mean 2520
Std Dev 0
12000
10000
8000
6000
4000
2000
0
−2000
−4000
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

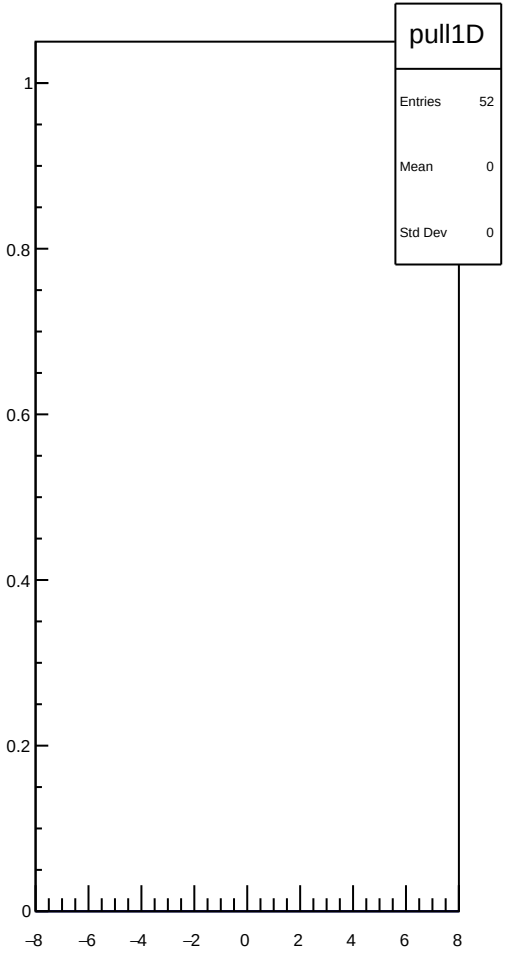

yield_bpm2i01Y_rms vs run
χ² / ndf 5.52e+04 / 51
p0 0.001408 ± 1.38e−06
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

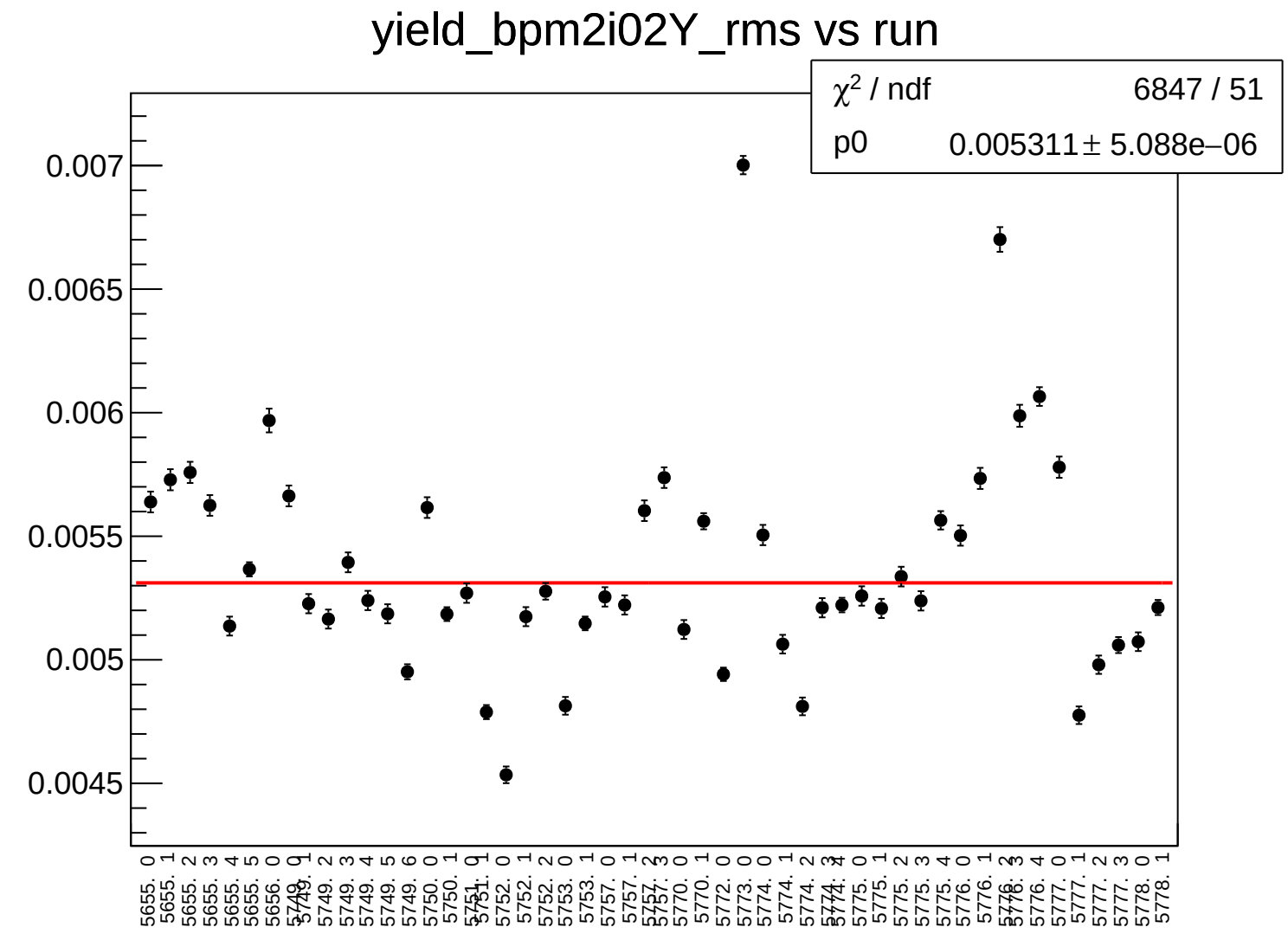

yield_bpm2i02X_mean vs run
χ² / ndf 7.556e+07 / 51
p0 1.017 ± 6.899e−06
pull
Entries 52
Mean 3.352
Std Dev 45.44

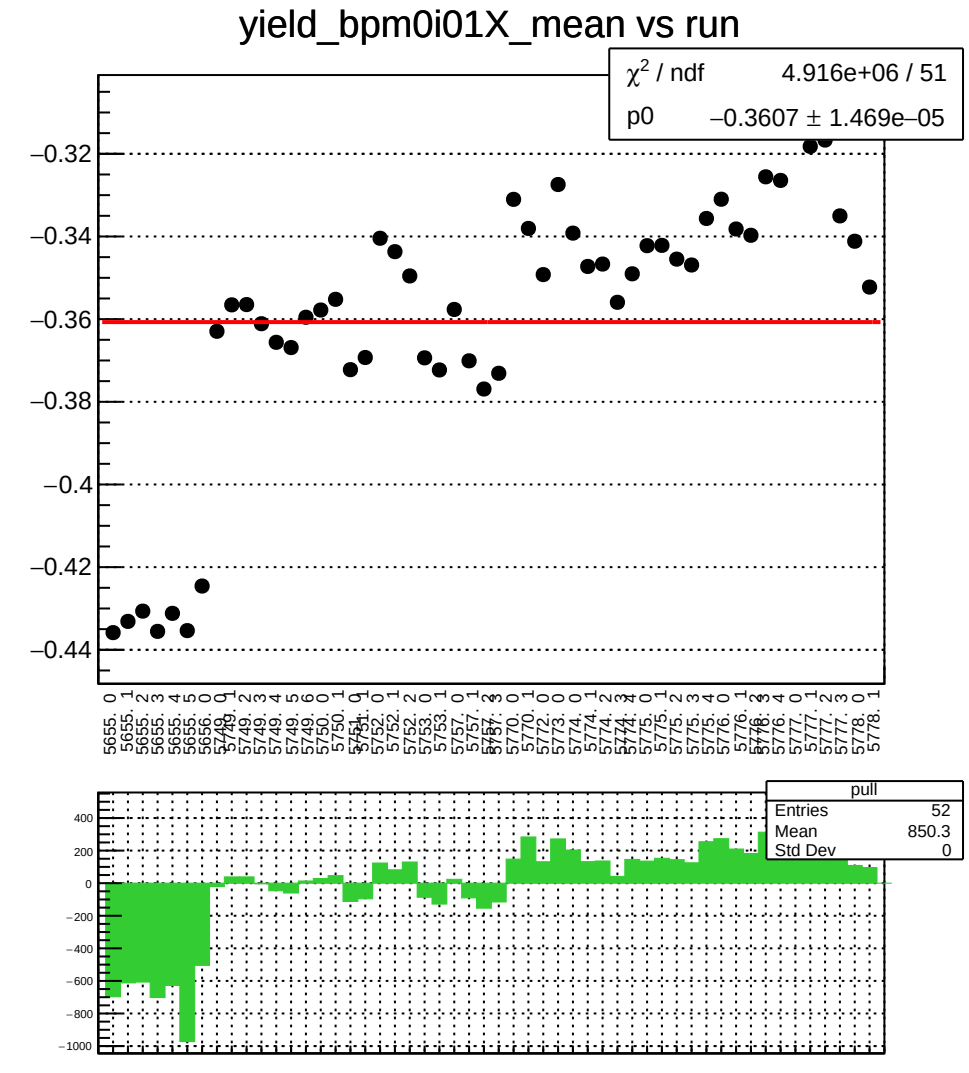

pull1D
Entries 52
Mean 0
Std Dev 0

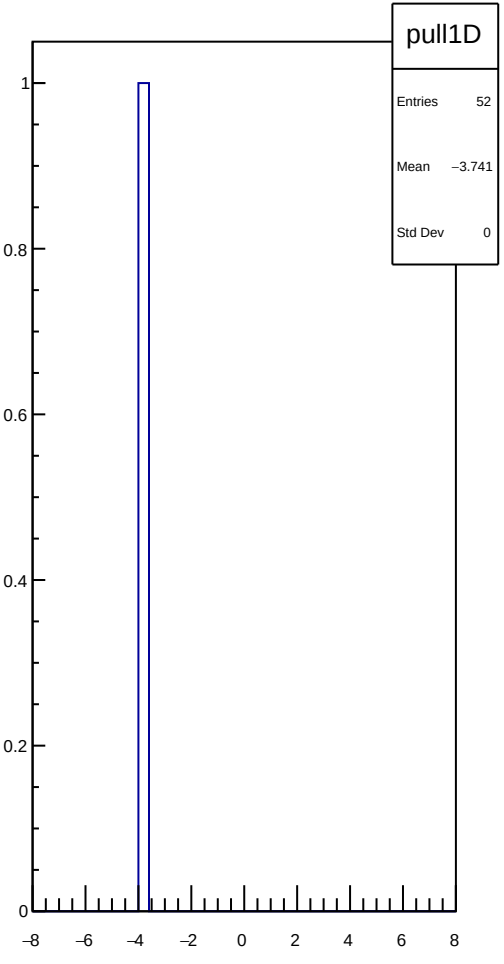

yield_bpm2i02X_rms vs run
χ² / ndf 9961 / 51
p0 0.005085 ± 4.878e−06
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

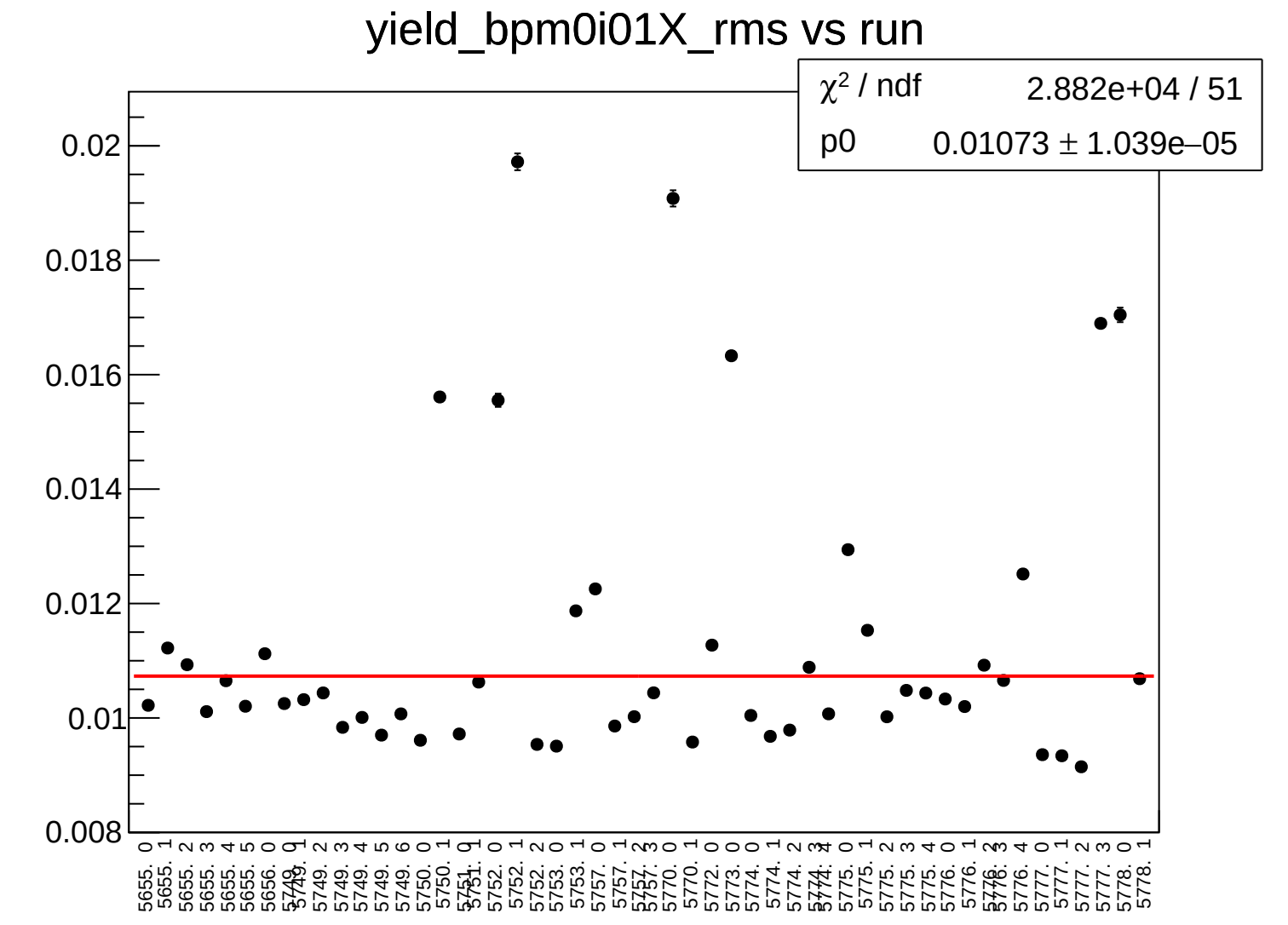

yield_bpm2i02Y_mean vs run
χ² / ndf 3.737e+08 / 51
p0 −2.141 ± 7.196e−06
pull
Entries 52
Mean 2417
Std Dev 0

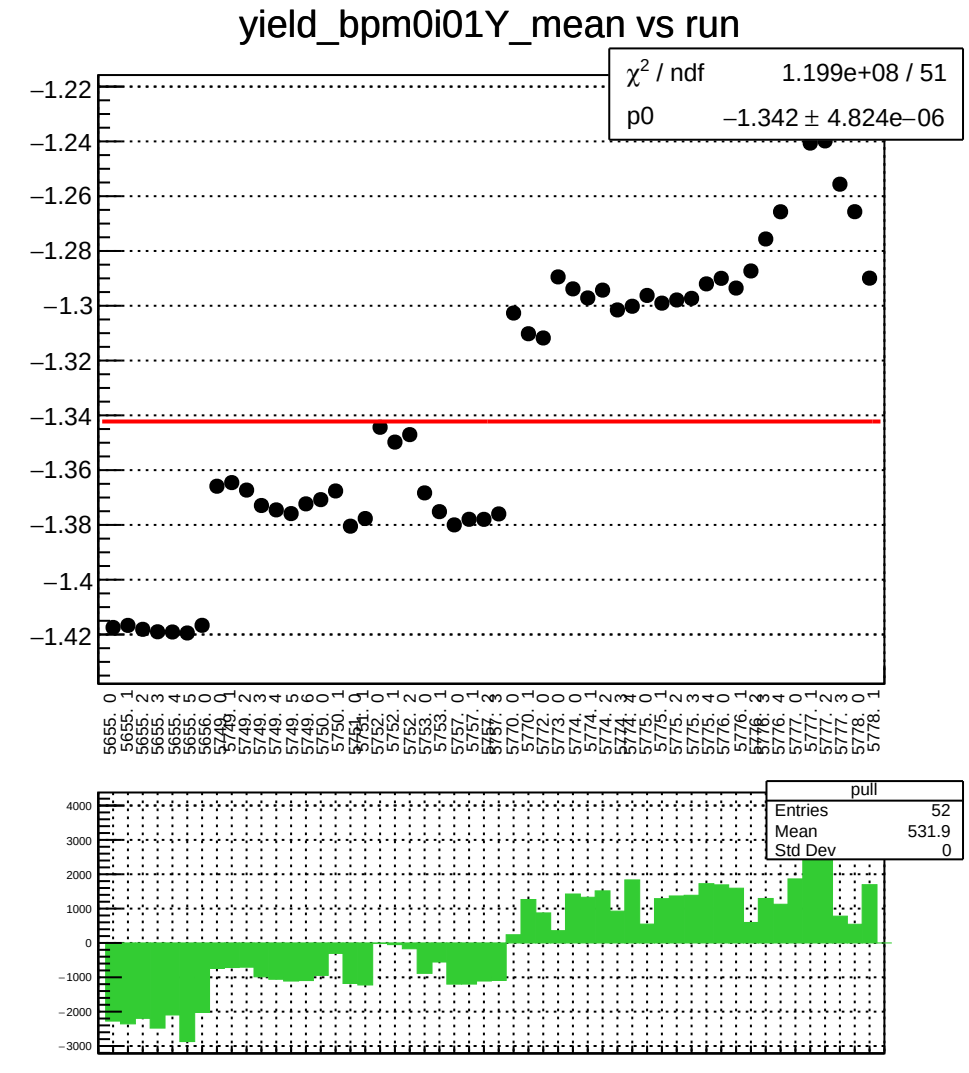

pull1D
Entries 52
Mean 0
Std Dev 0

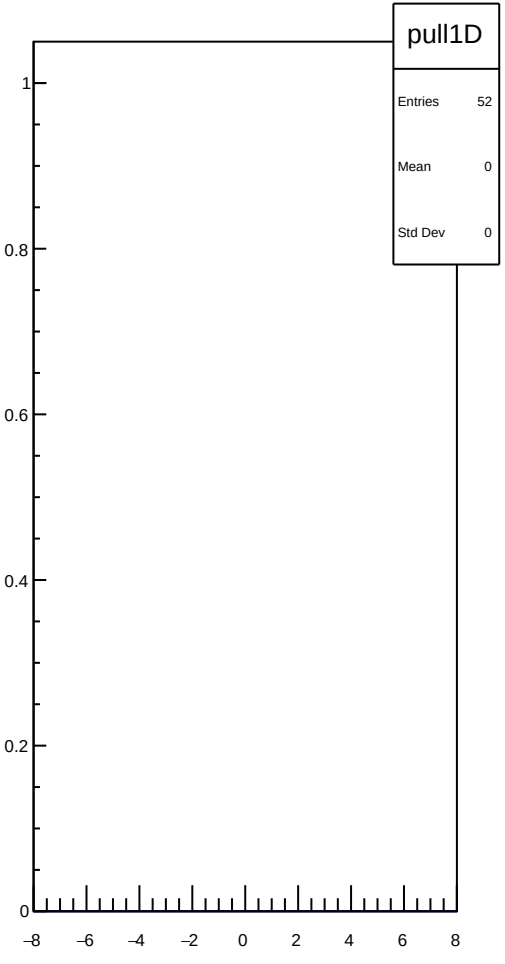

yield_bpm2i02Y_rms vs run
χ² / ndf 6847 / 51
p0 0.005311 ± 5.088e−06
0.007
0.0065
0.006
0.0055
0.005
0.0045
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

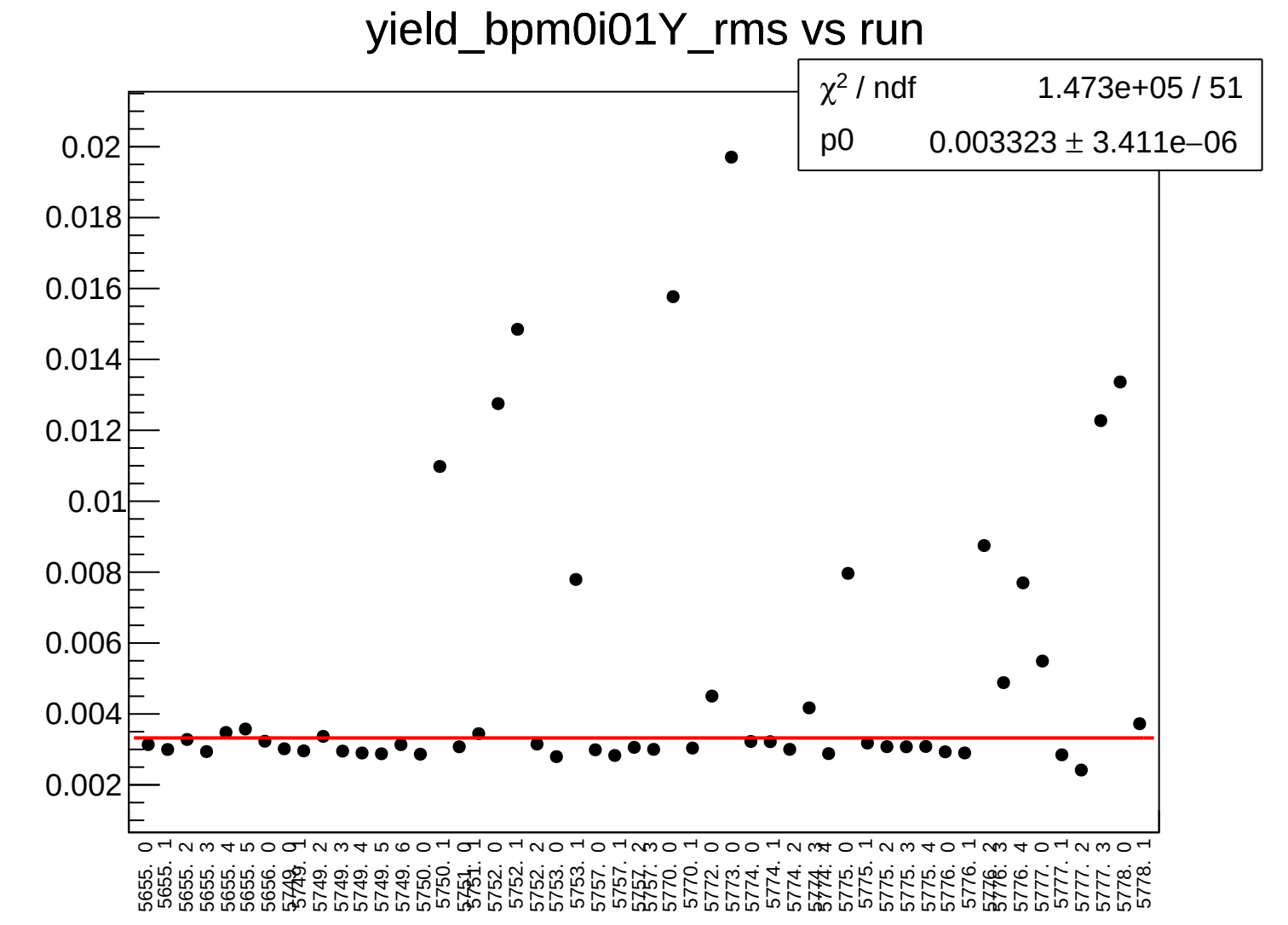

yield_bpm0i01X_mean vs run
χ² / ndf 4.916e+06 / 51
p0 −0.3607 ± 1.469e−05
−0.32
−0.34
−0.36
−0.38
−0.4
−0.42
−0.44
pull
Entries 52
Mean 850.3
Std Dev 0
400
200
0
−200
−400
−600
−800
−1000

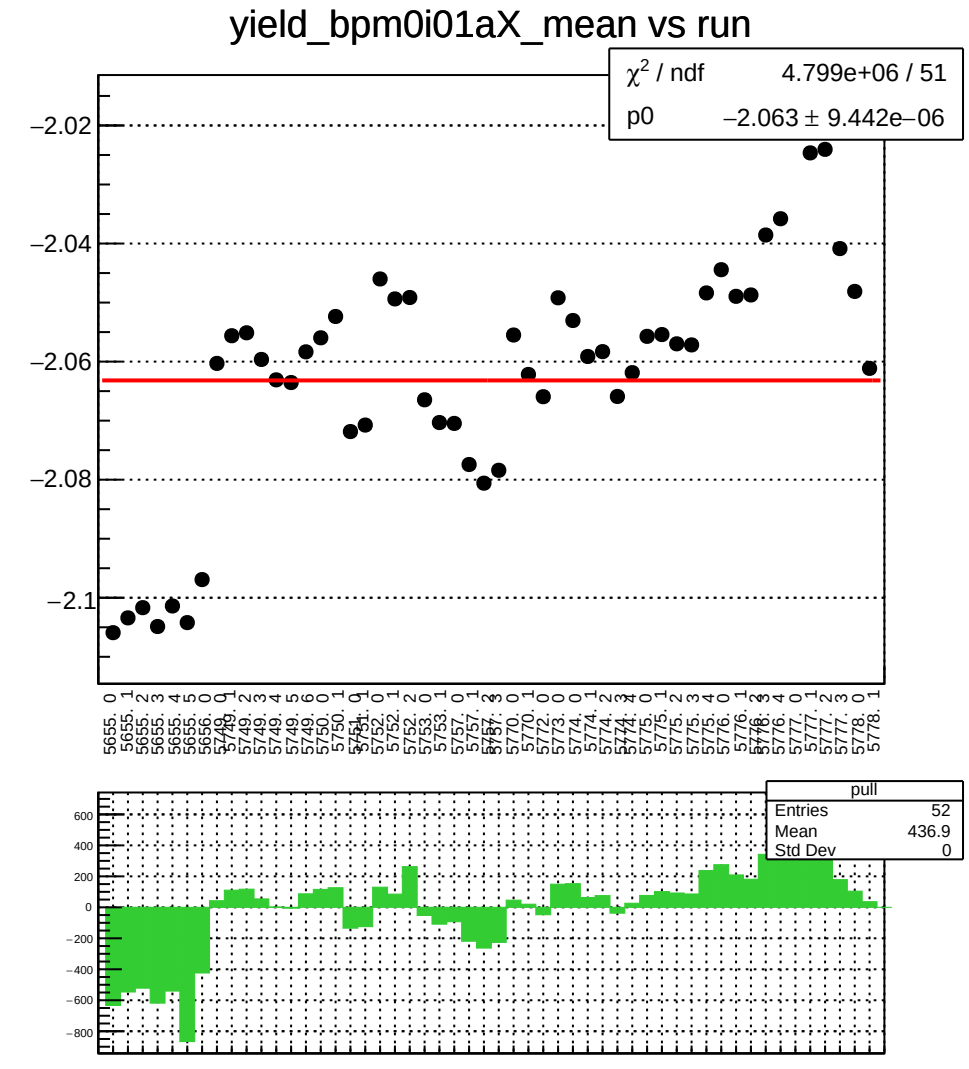

pull1D
Entries 52
Mean −3.741
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

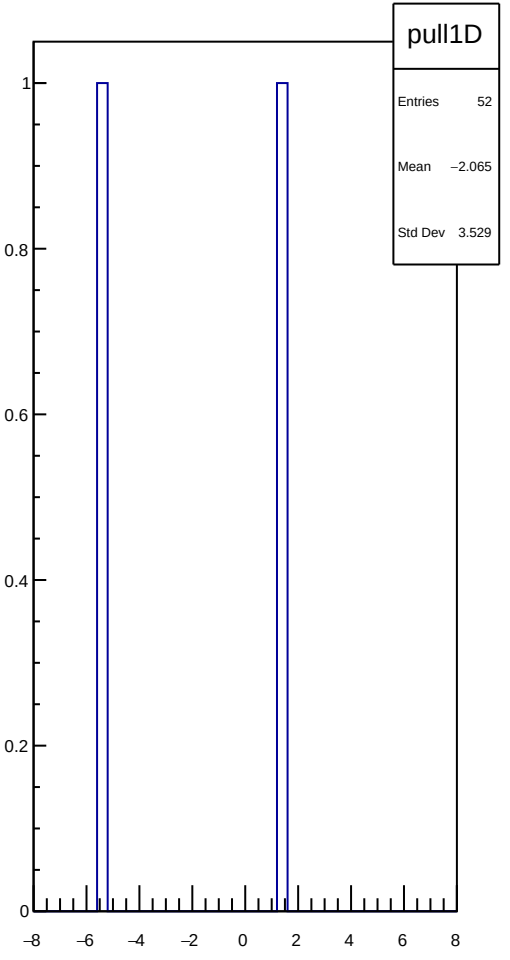

yield_bpm0i01X_rms vs run
χ² / ndf 2.882e+04 / 51
p0 0.01073 ± 1.039e−05
0.02
0.018
0.016
0.014
0.012
0.01
0.008
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

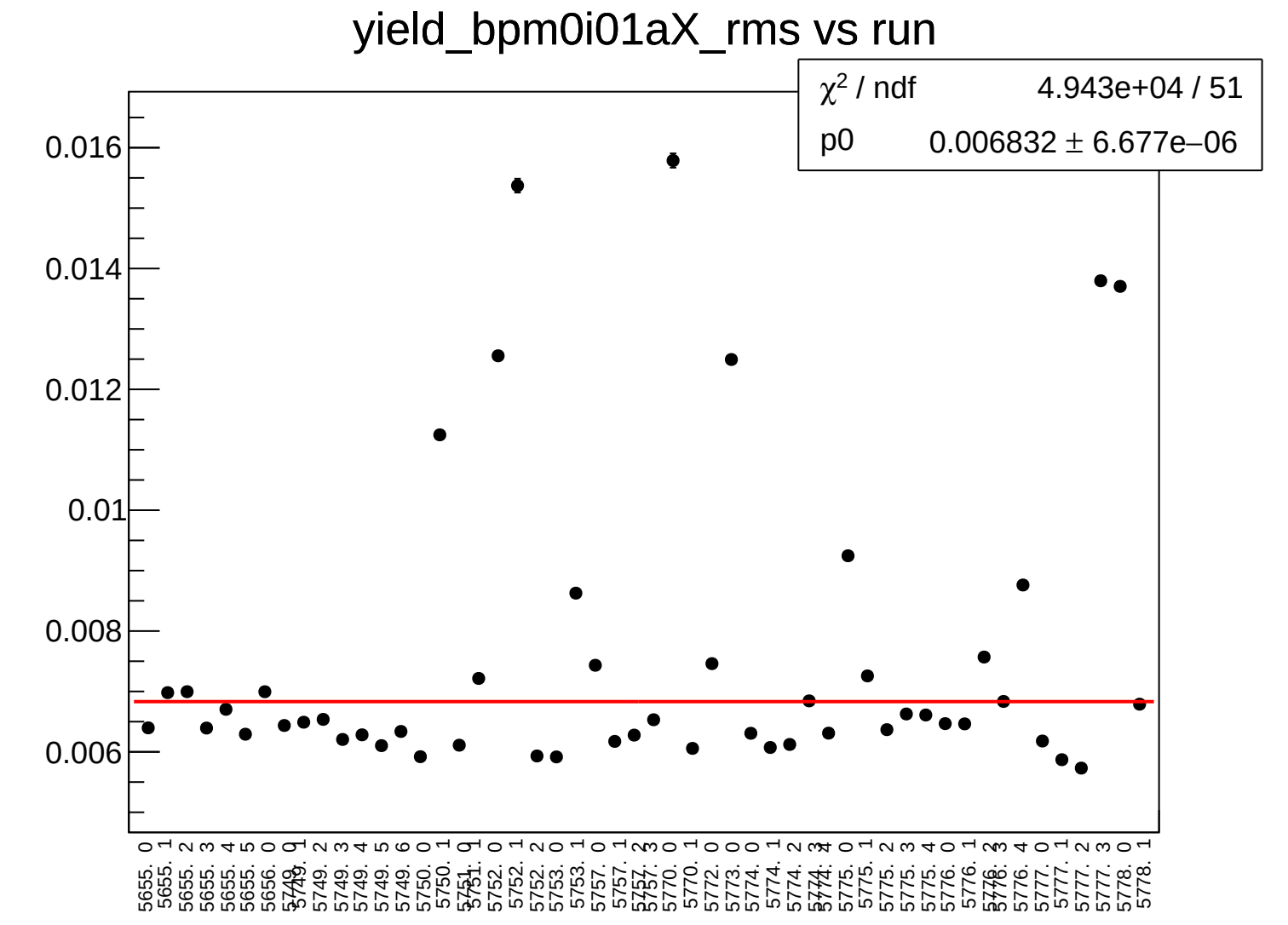

yield_bpm0i01Y_mean vs run
χ² / ndf 1.199e+08 / 51
p0 −1.342 ± 4.824e−06
pull
Entries 52
Mean 531.9
Std Dev 0

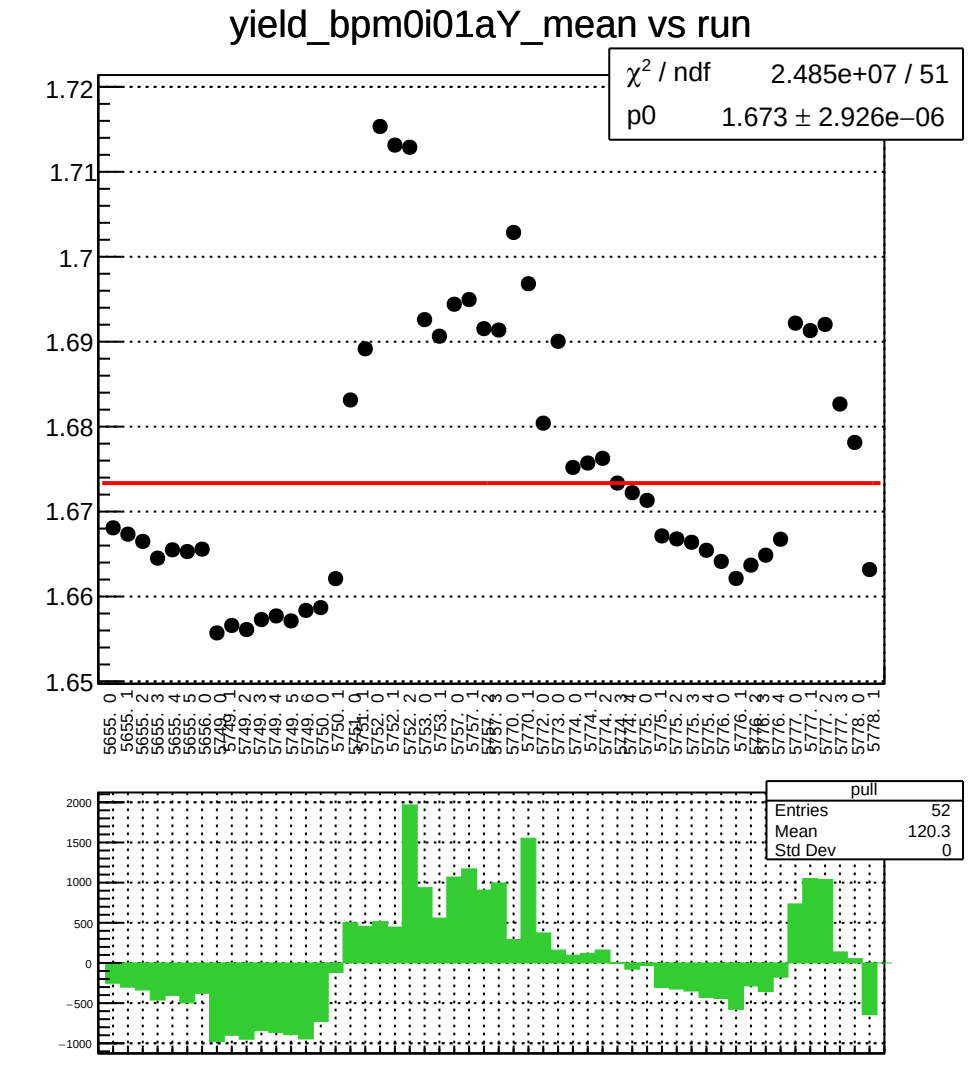

pull1D
Entries 52
Mean 0
Std Dev 0

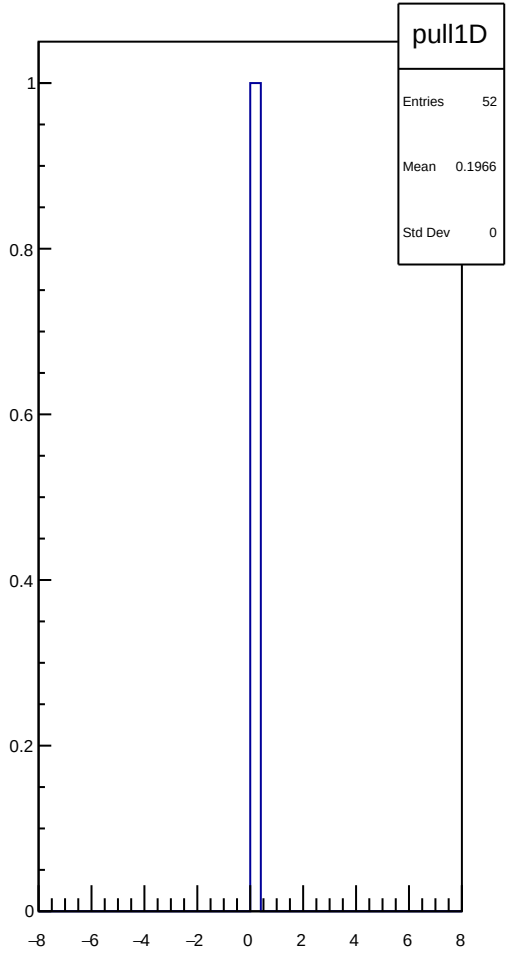

yield_bpm0i01Y_rms vs run
χ² / ndf 1.473e+05 / 51
p0 0.003323 ± 3.411e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

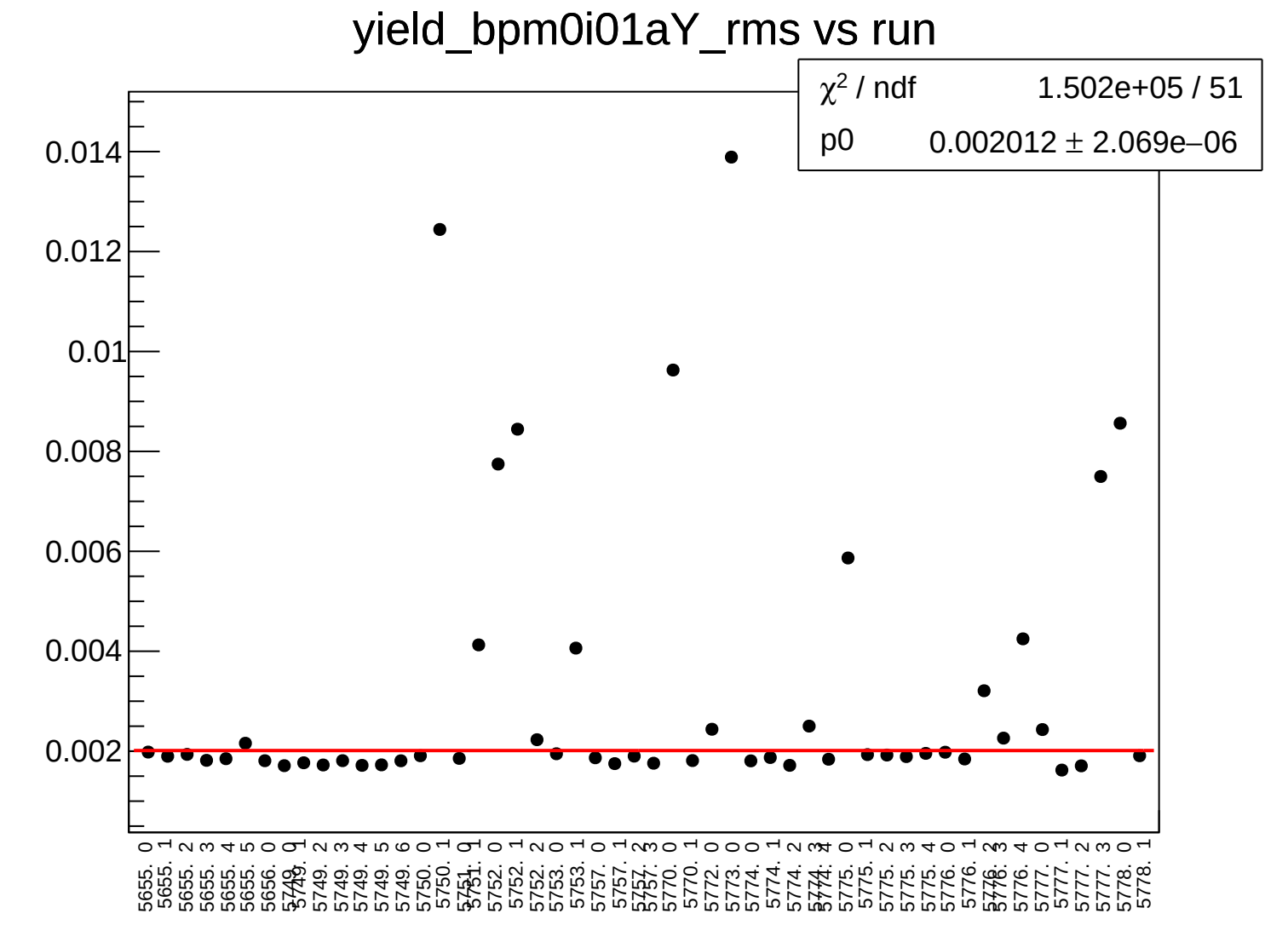

yield_bpm0i01aX_mean vs run
χ² / ndf 4.799e+06 / 51
p0 −2.063 ± 9.442e−06
−2.02
−2.04
−2.06
−2.08
−2.1
pull
Entries 52
Mean 436.9
Std Dev 0
600
400
200
0
−200
−400
−600
−800

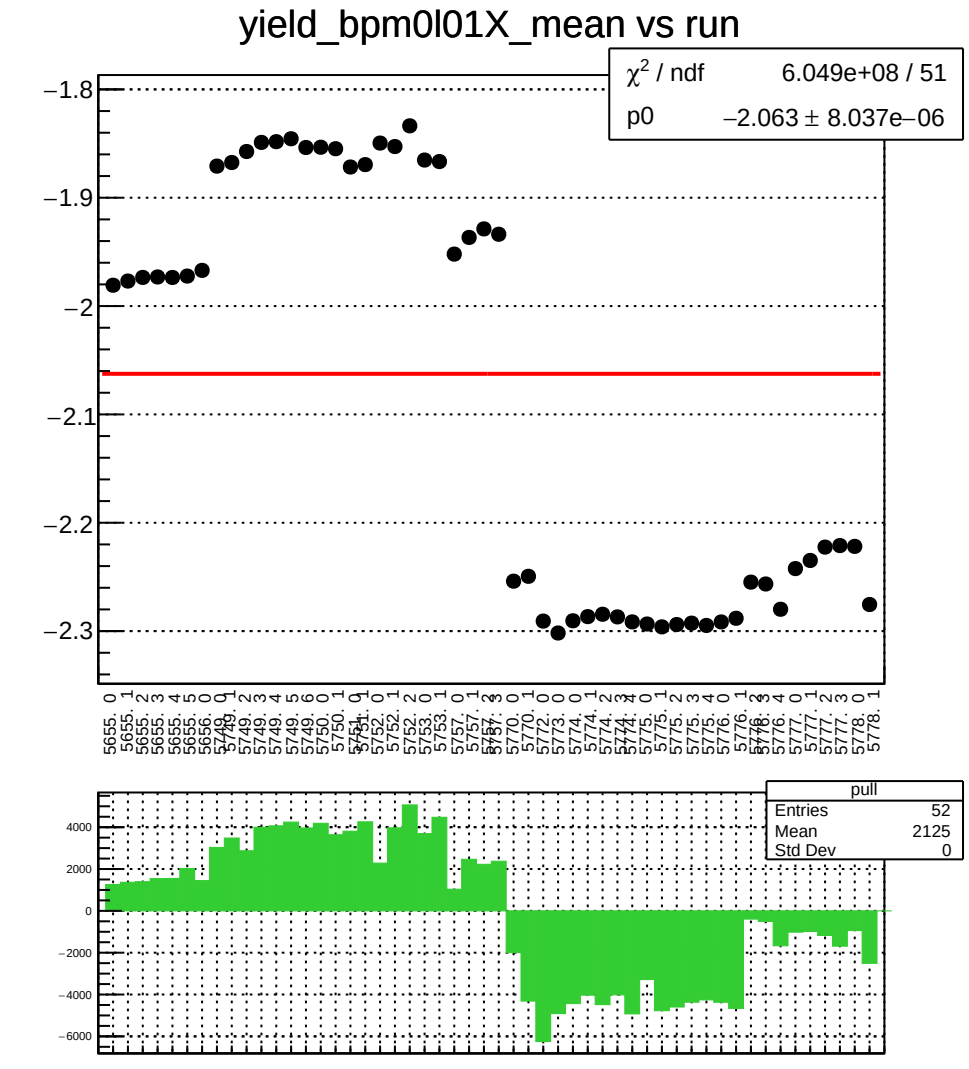

pull1D
Entries 52
Mean −2.065
Std Dev 3.529
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

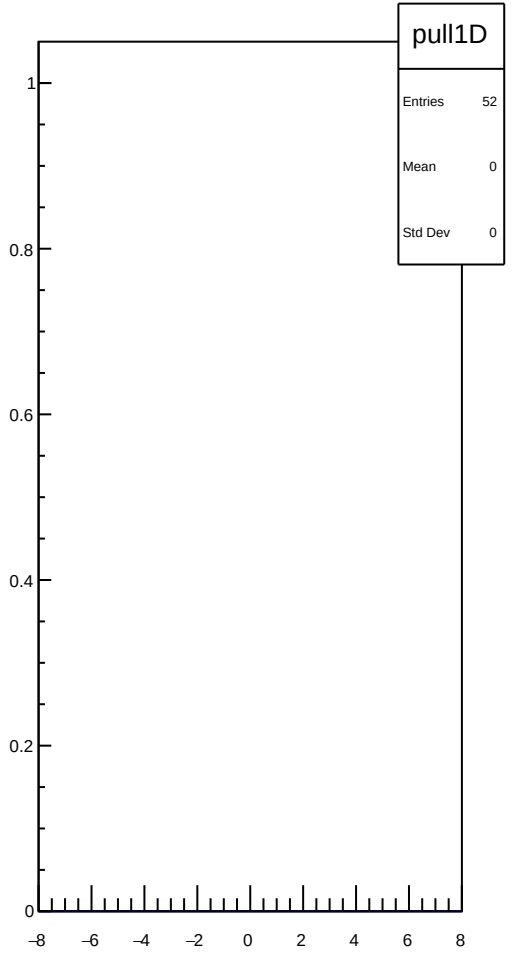

yield_bpm0i01aX_rms vs run
χ² / ndf 4.943e+04 / 51
p0 0.006832 ± 6.677e−06
0.016
0.014
0.012
0.01
0.008
0.006
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

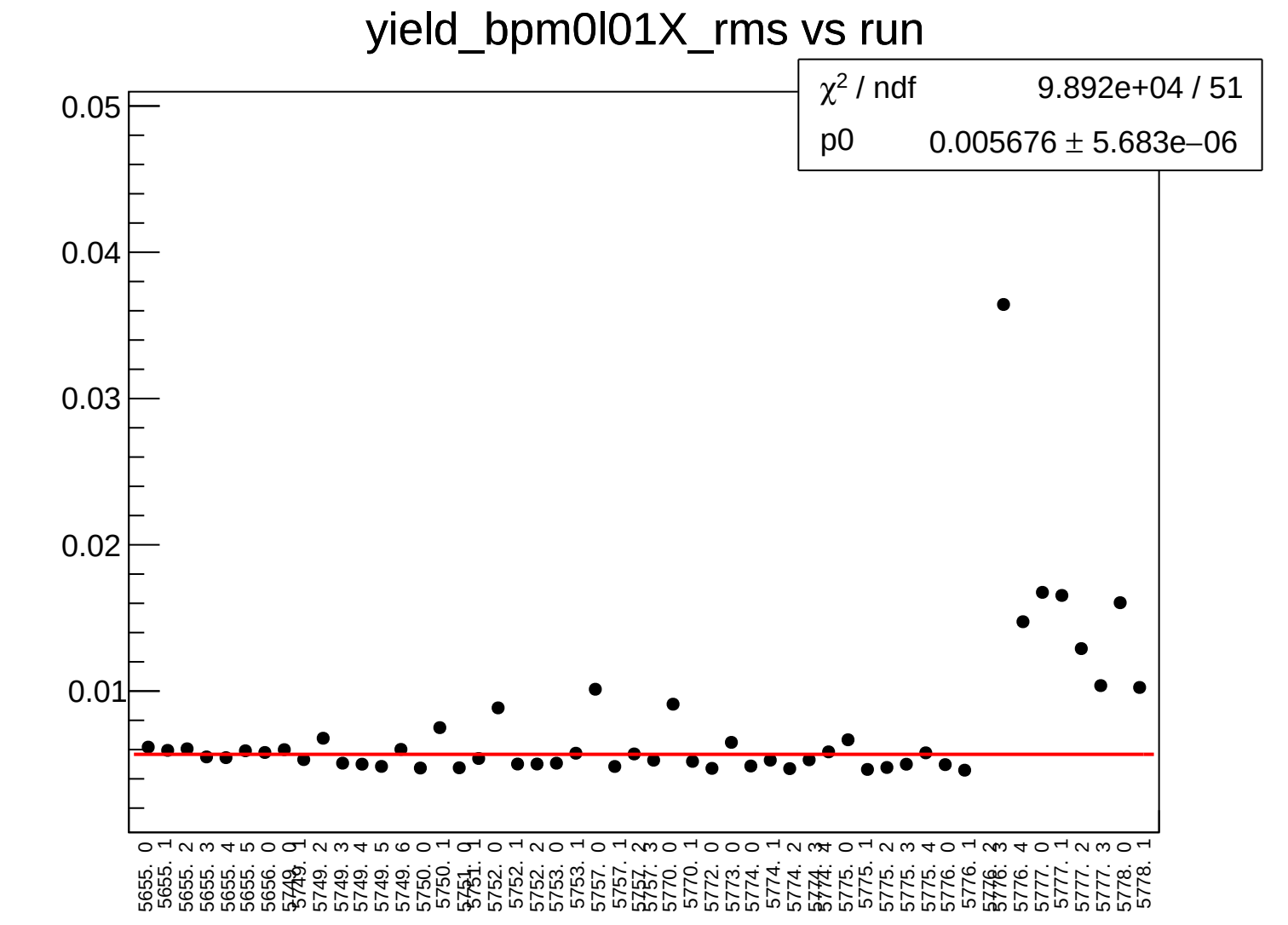

yield_bpm0i01aY_mean vs run
χ² / ndf 2.485e+07 / 51
p0 1.673 ± 2.926e−06
pull
Entries 52
Mean 120.3
Std Dev 0

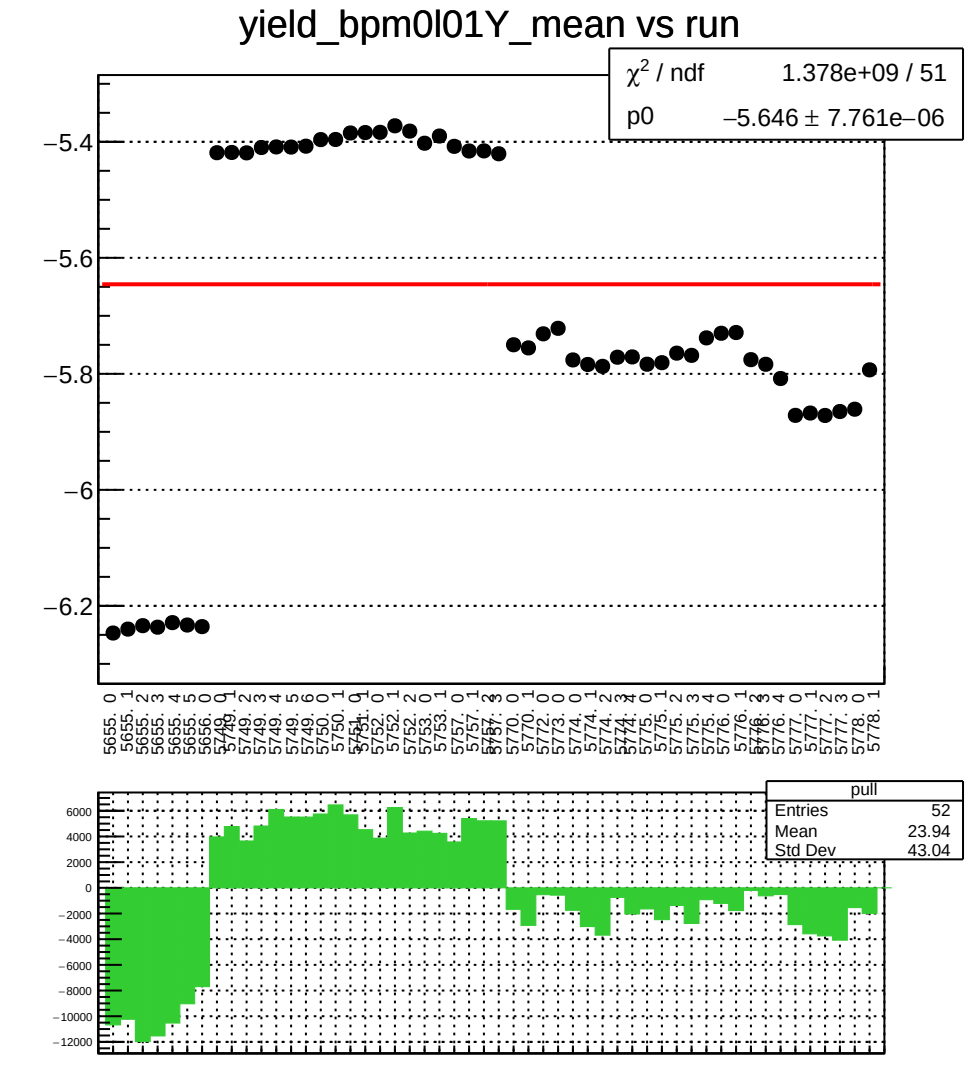

pull1D
Entries 52
Mean 0.1966
Std Dev 0

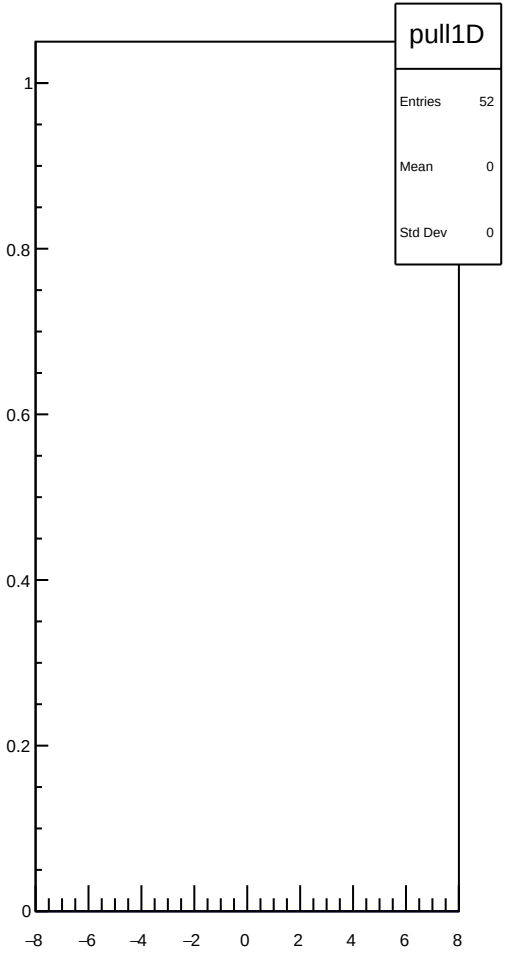

yield_bpm0i01aY_rms vs run
χ² / ndf 1.502e+05 / 51
p0 0.002012 ± 2.069e−06
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

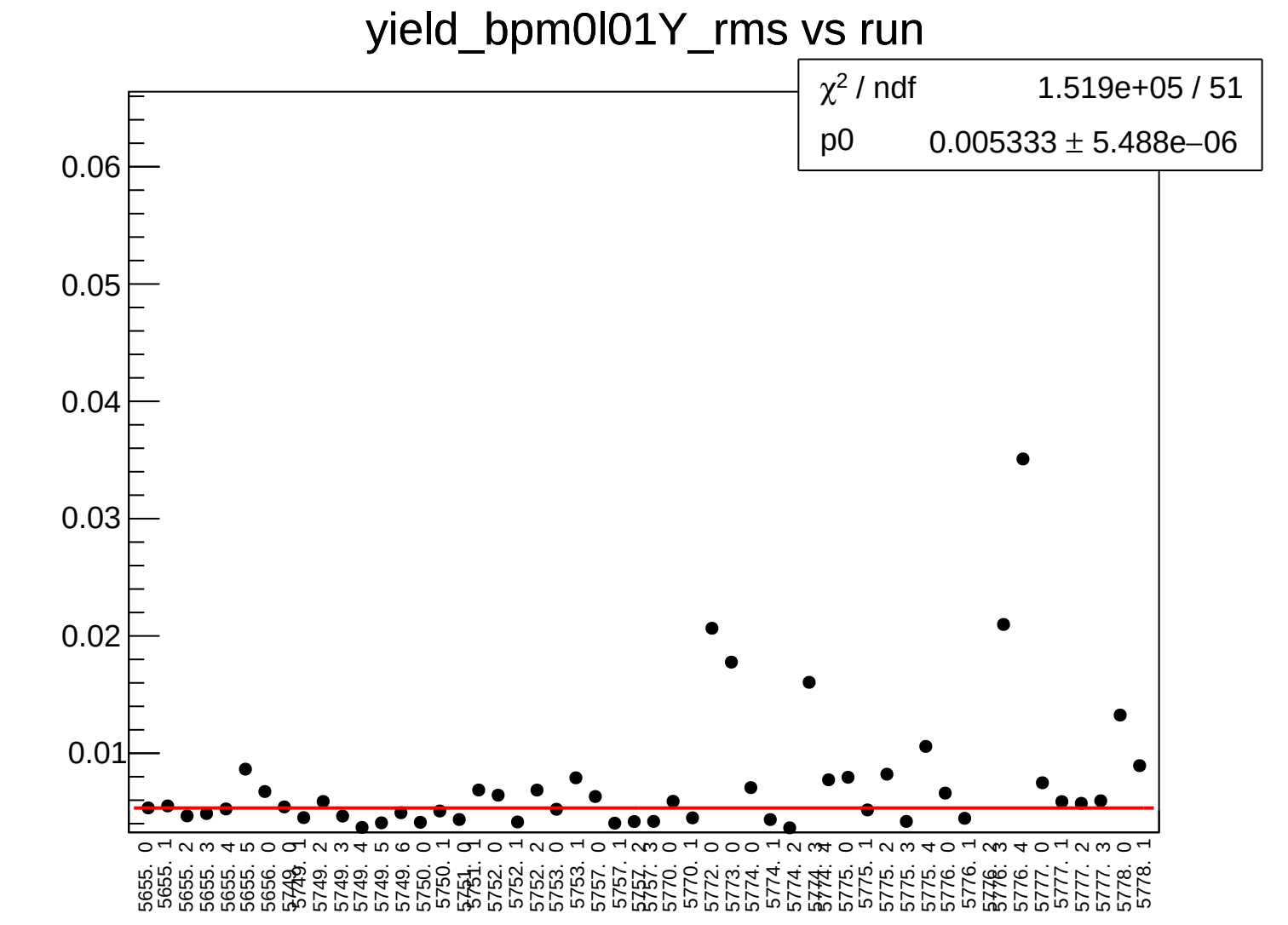

yield_bpm0l01X_mean vs run
χ² / ndf 6.049e+08 / 51
p0 −2.063 ± 8.037e−06
−1.8
−1.9
−2
−2.1
−2.2
−2.3
pull
Entries 52
Mean 2125
Std Dev 0
4000
2000
0
−2000
−4000
−6000

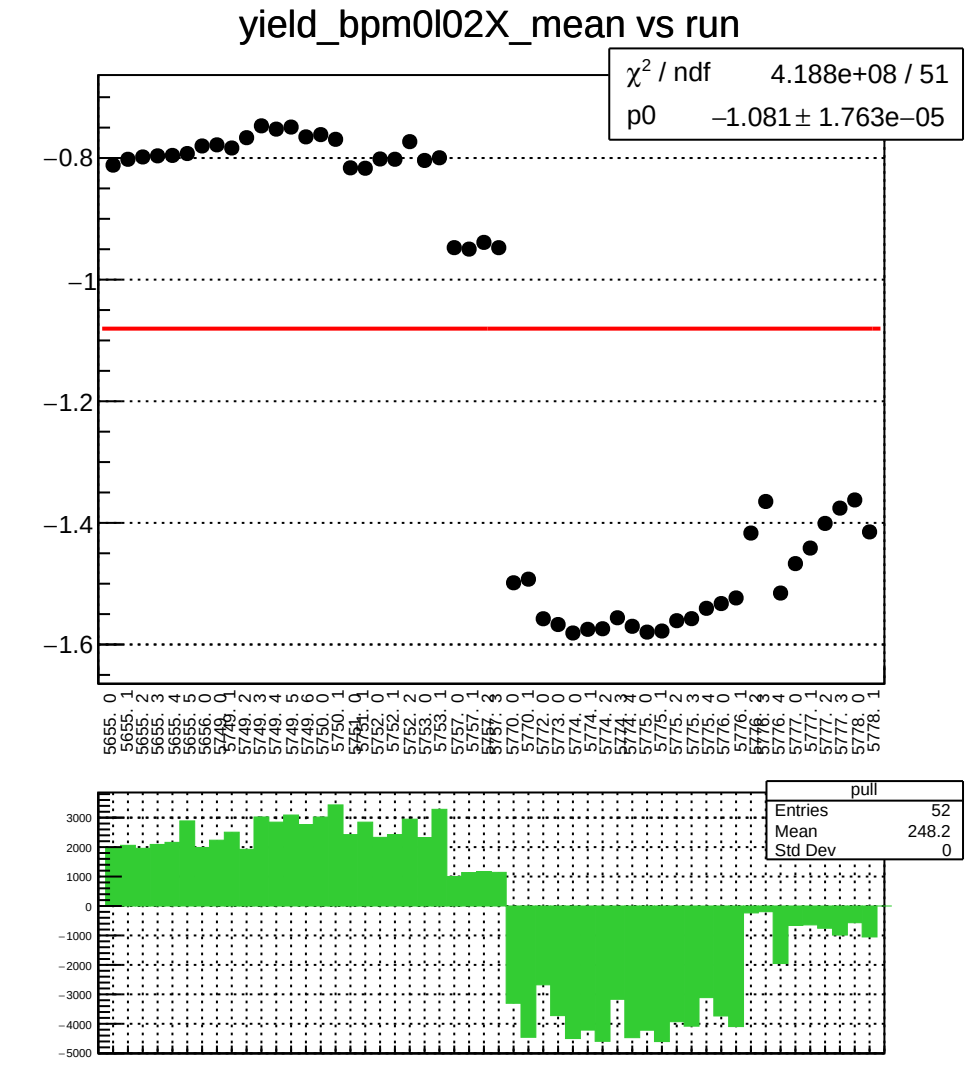

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

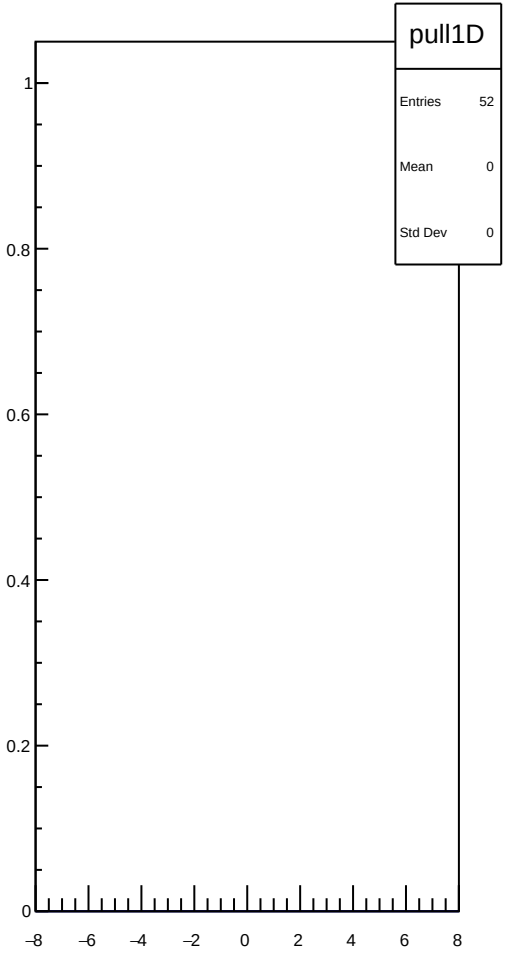

yield_bpm0l01X_rms vs run
χ^2 / ndf 9.892e+04 / 51
p0 0.005676 ± 5.683e−06
0.05
0.04
0.03
0.02
0.01
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

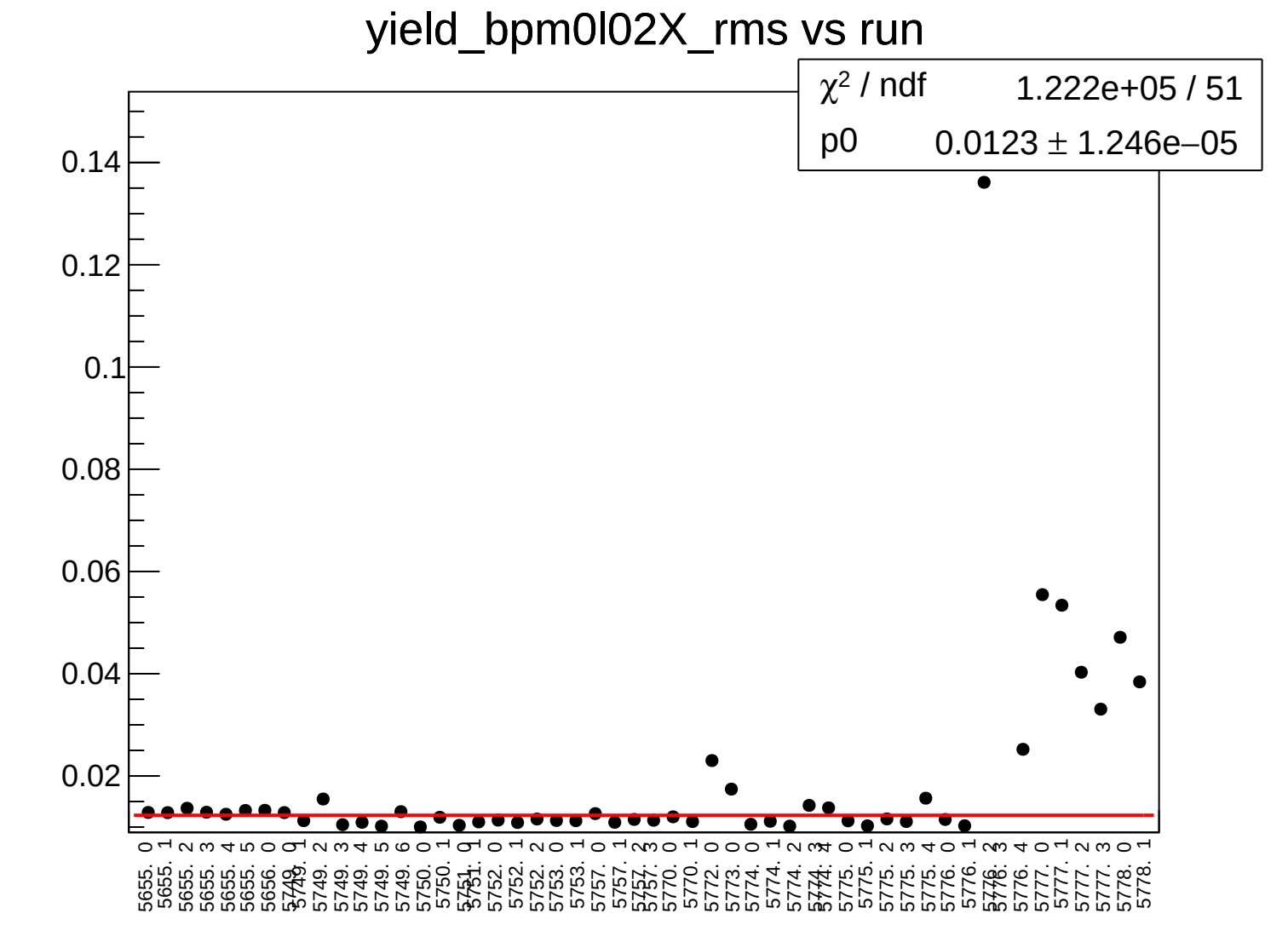

yield_bpm0l01Y_mean vs run
χ² / ndf 1.378e+09 / 51
p0 −5.646 ± 7.761e−06
−5.4
−5.6
−5.8
−6
−6.2
pull
Entries 52
Mean 23.94
Std Dev 43.04
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000

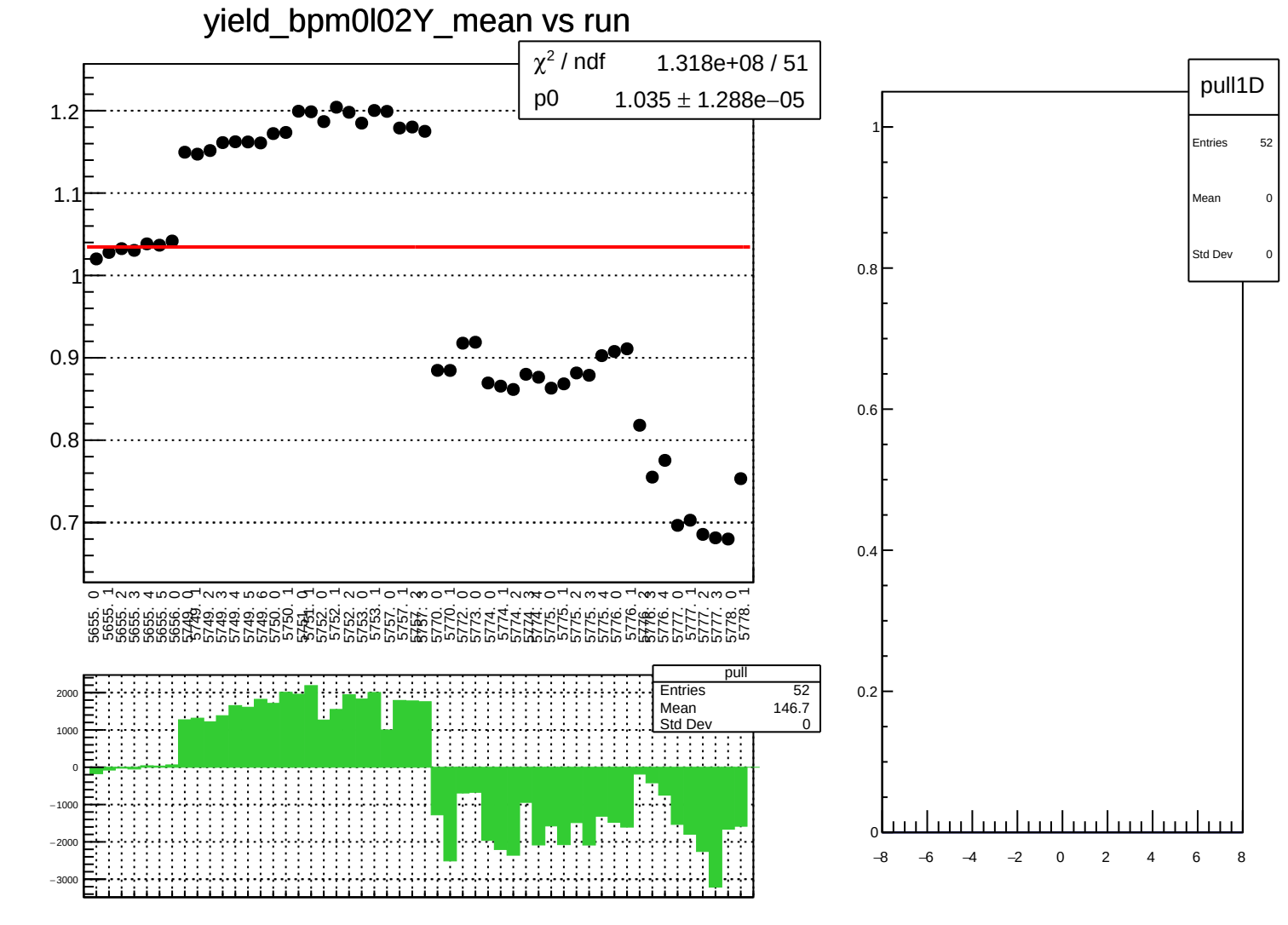

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

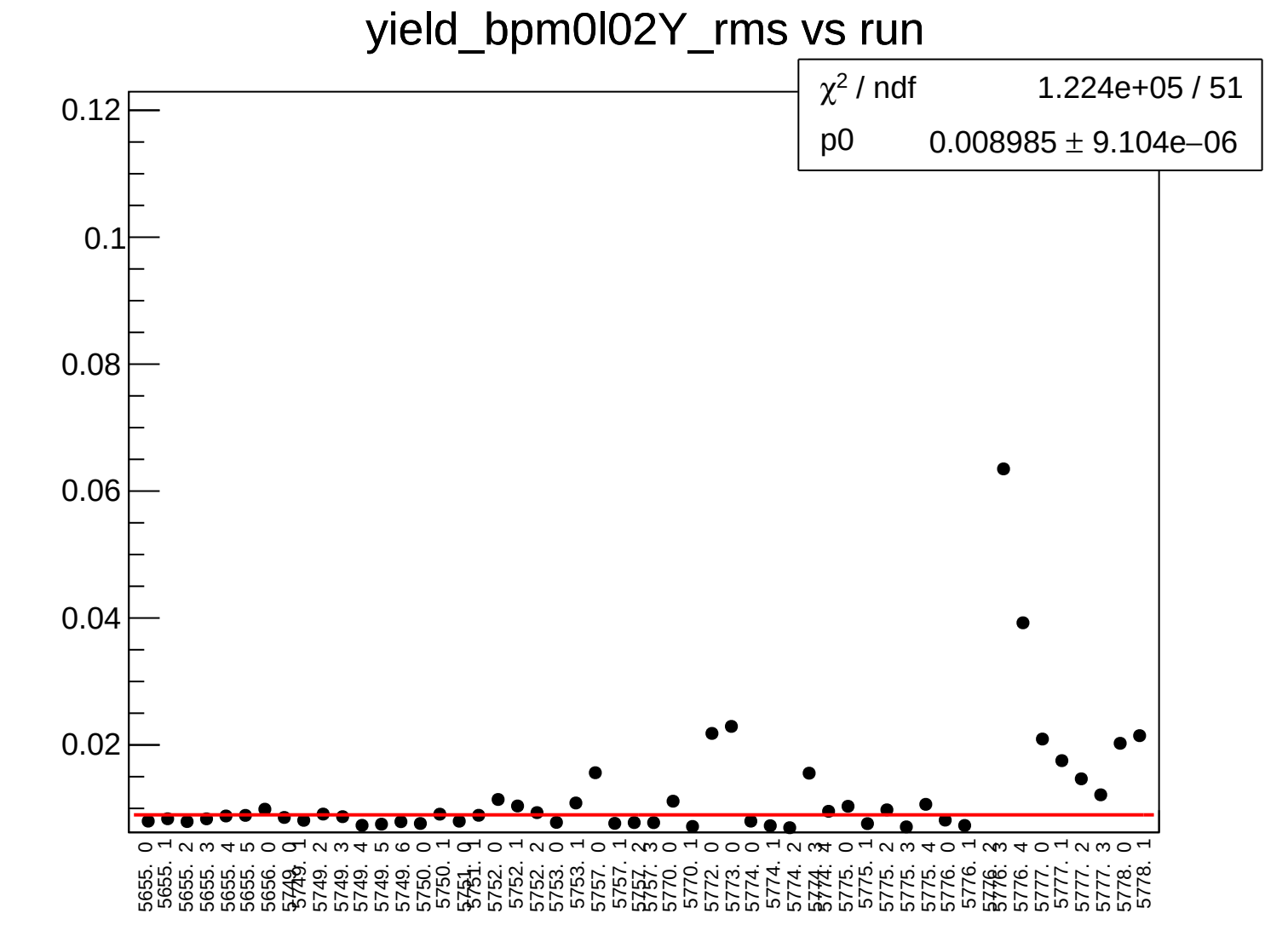

yield_bpm0l01Y_rms vs run
χ² / ndf 1.519e+05 / 51
p0 0.005333 ± 5.488e−06
0.06
0.05
0.04
0.03
0.02
0.01
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

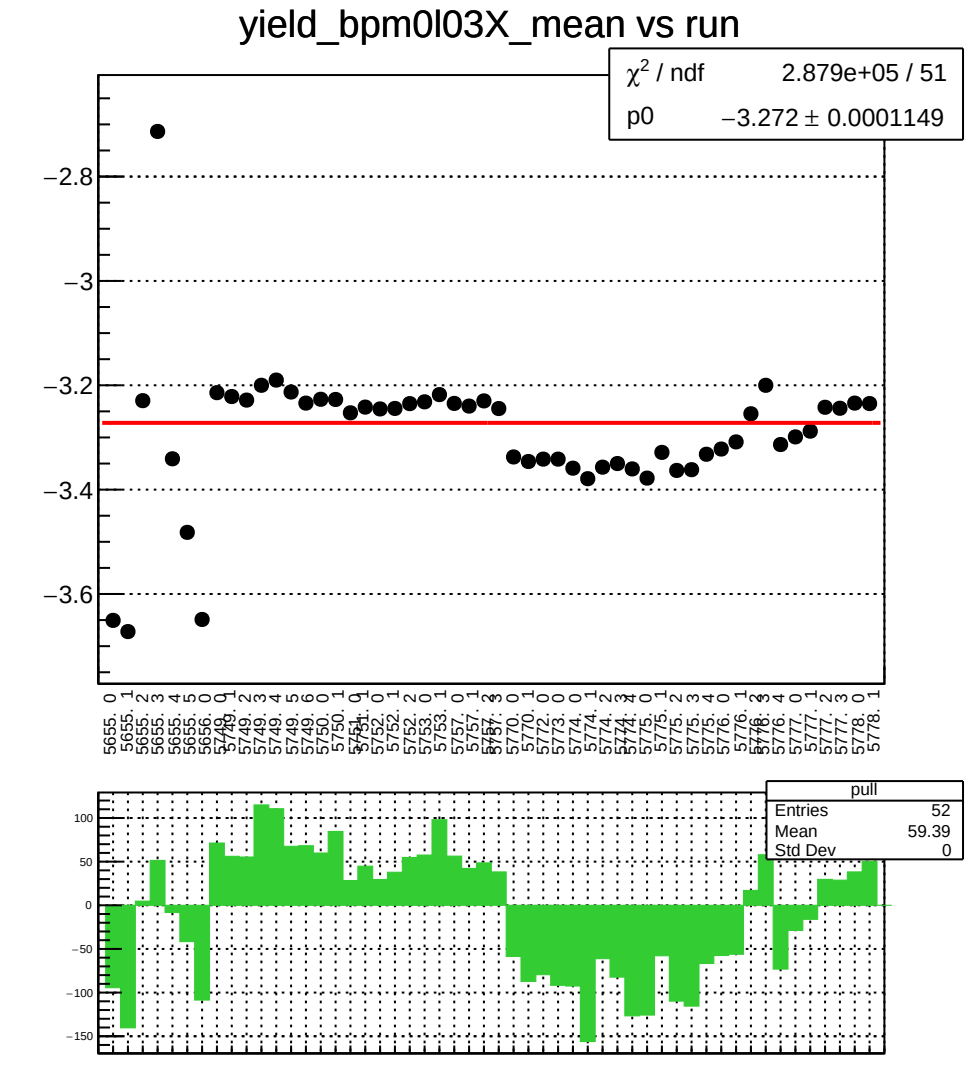

yield_bpm0l02X_mean vs run
χ² / ndf 4.188e+08 / 51
p0 −1.081 ± 1.763e−05
−0.8
−1
−1.2
−1.4
−1.6
pull
Entries 52
Mean 248.2
Std Dev 0
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000

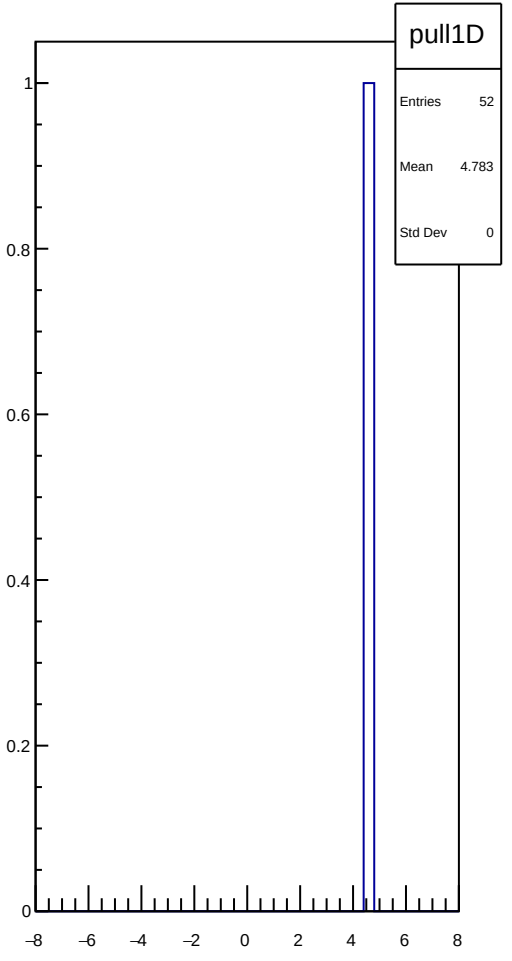

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

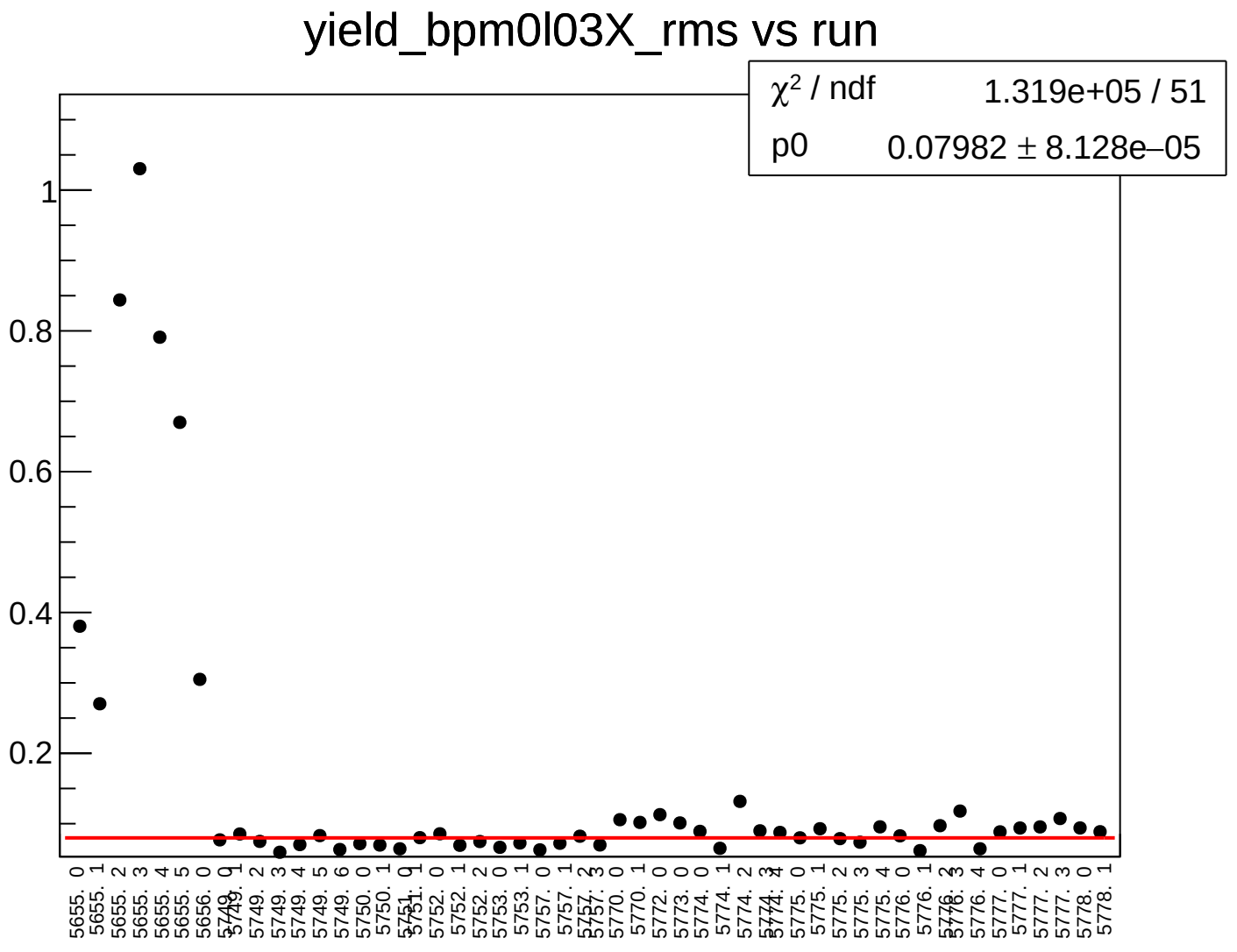

yield_bpm0l02X_rms vs run
χ² / ndf 1.222e+05 / 51
p0 0.0123 ± 1.246e−05
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

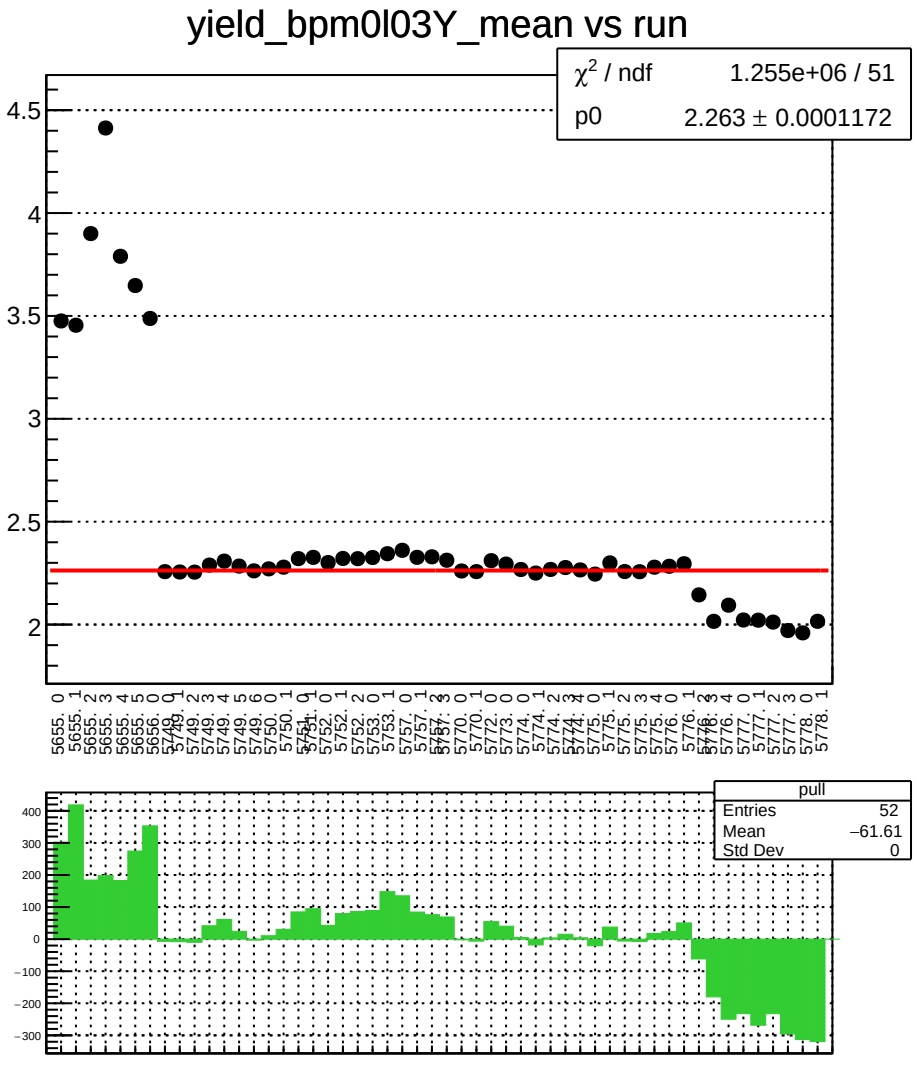

yield_bpm0l02Y_mean vs run
χ² / ndf 1.318e+08 / 51
p0 1.035 ± 1.288e−05
pull
Entries 52
Mean 146.7
Std Dev 0
pull1D
Entries 52
Mean 0
Std Dev 0

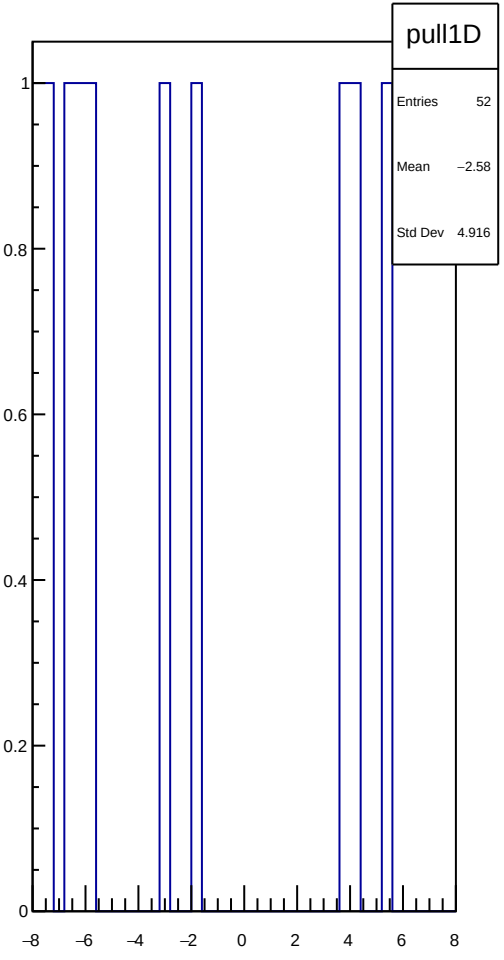

yield_bpm0l02Y_rms vs run
χ² / ndf 1.224e+05 / 51
p0 0.008985 ± 9.104e−06
0.12
0.1
0.08
0.06
0.04
0.02
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

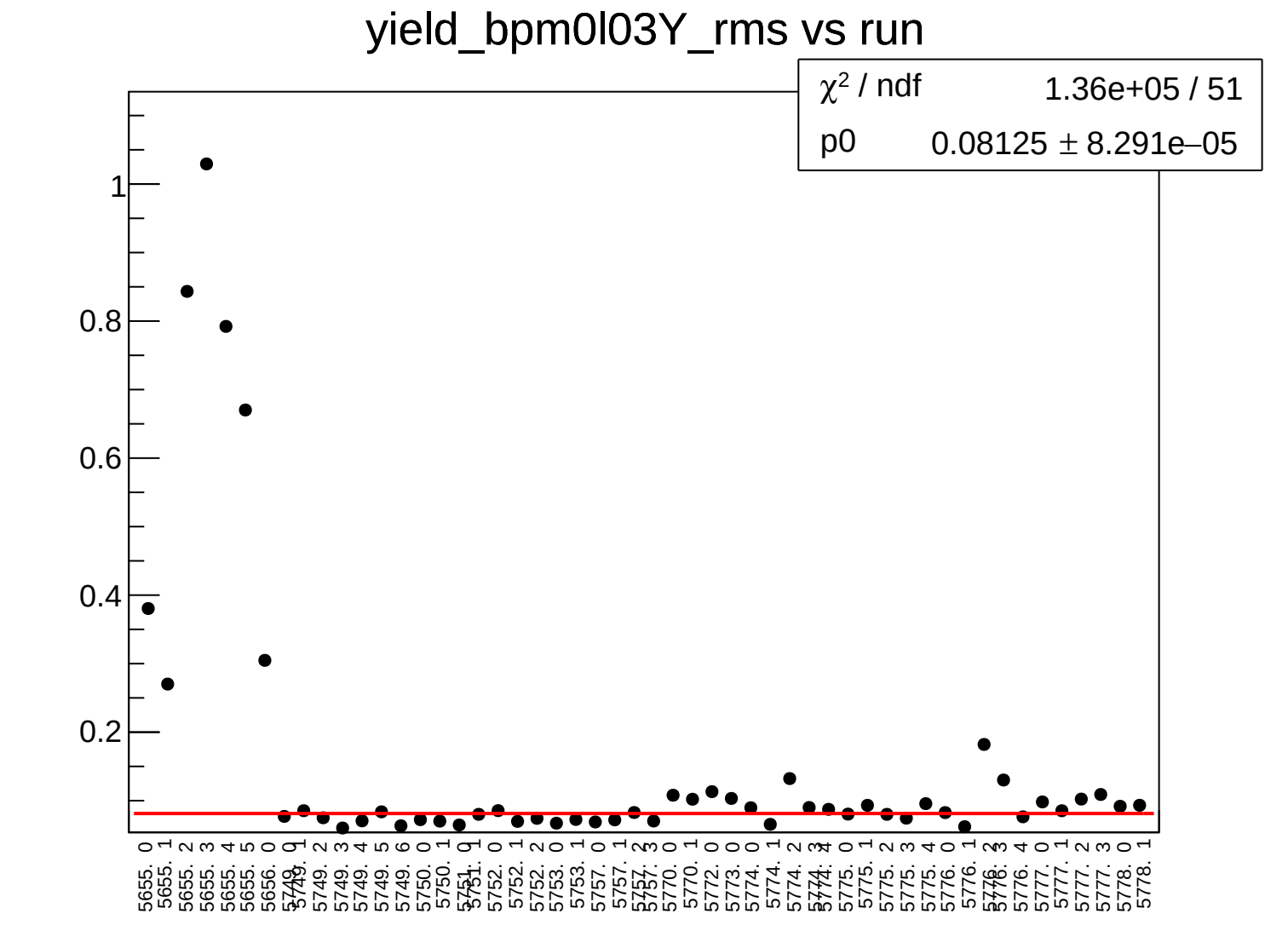

yield_bpm0l03X_mean vs run
χ² / ndf 2.879e+05 / 51
p0 −3.272 ± 0.0001149
−2.8
−3
−3.2
−3.4
−3.6
pull
Entries 52
Mean 59.39
Std Dev 0
100
50
0
−50
−100
−150

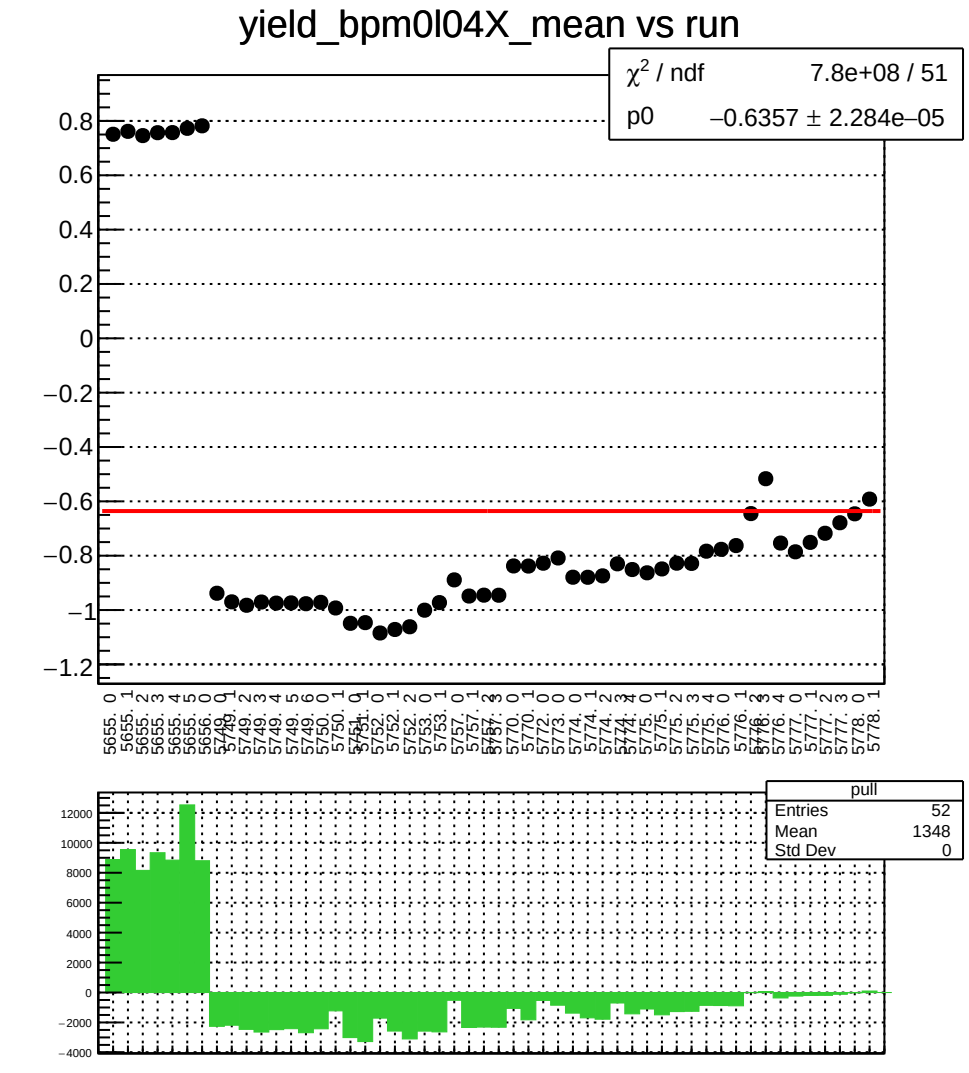

pull1D
Entries 52
Mean 4.783
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

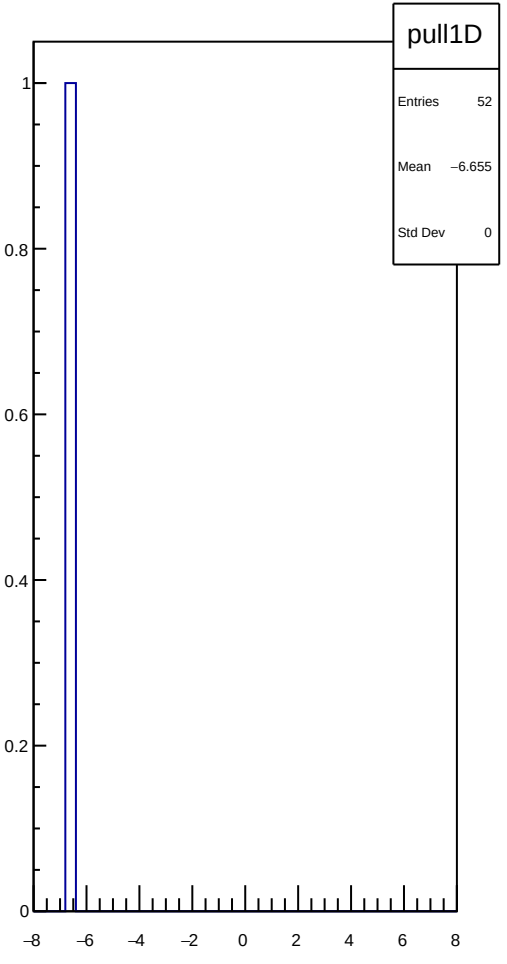

yield_bpm0l03X_rms vs run
χ² / ndf 1.319e+05 / 51
p0 0.07982 ± 8.128e–05
1
0.8
0.6
0.4
0.2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

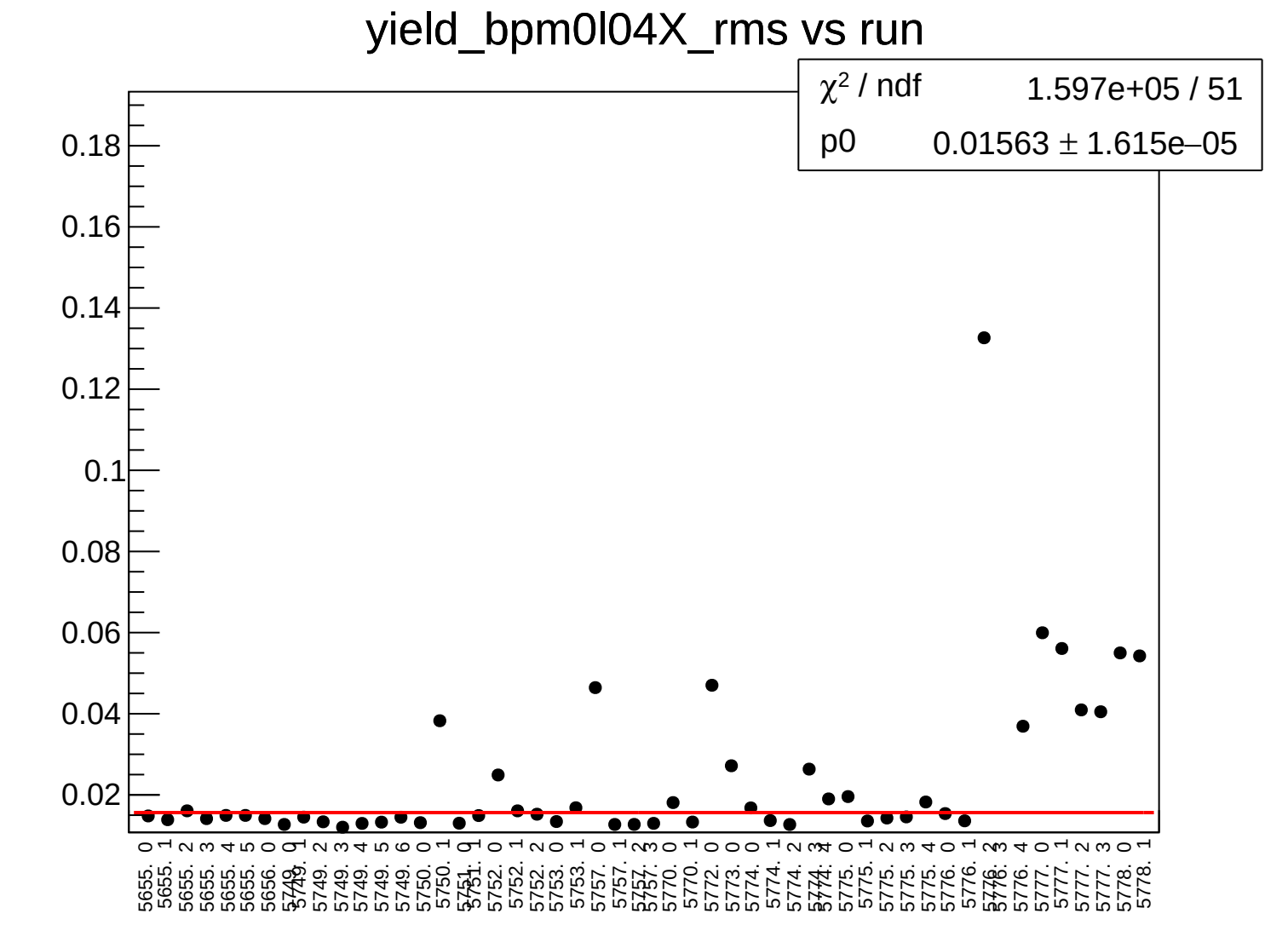

yield_bpm0l03Y_mean vs run
χ² / ndf 1.255e+06 / 51
p0 2.263 ± 0.0001172
pull
Entries 52
Mean −61.61
Std Dev 0

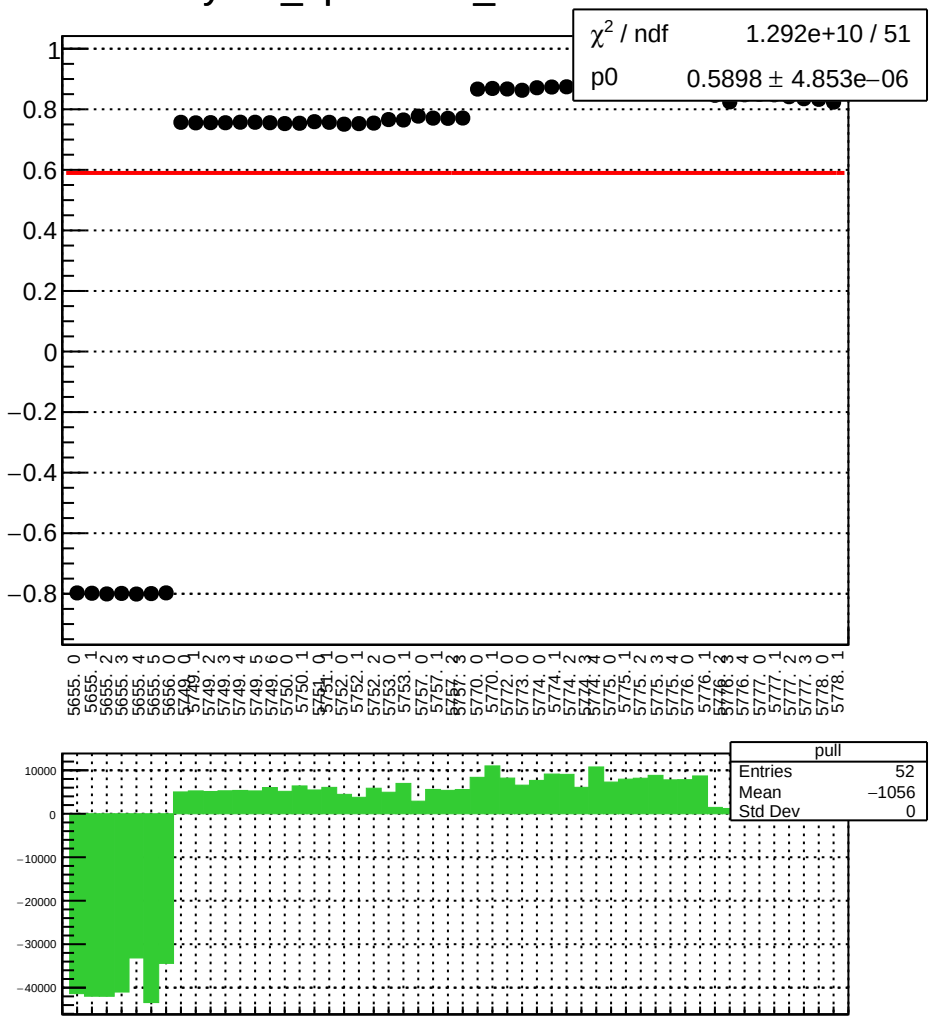

pull1D
Entries 52
Mean −2.58
Std Dev 4.916

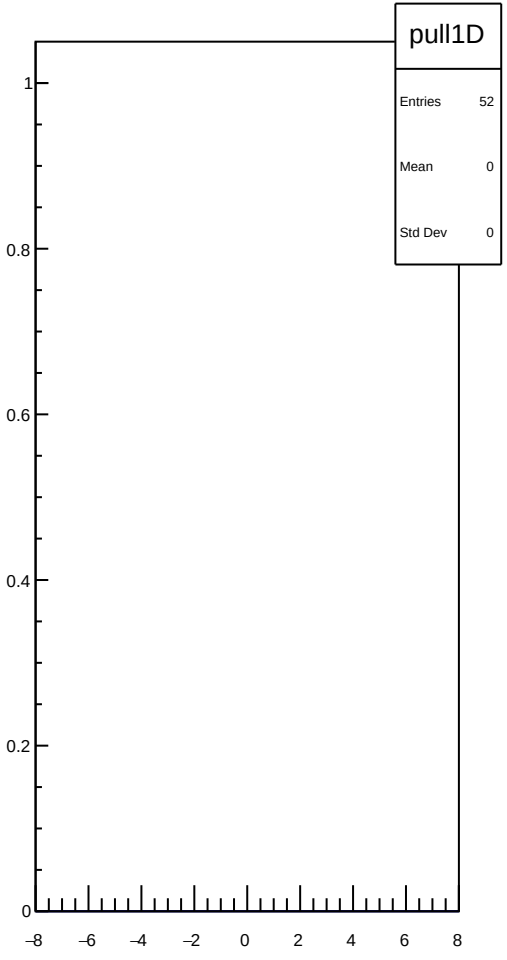

yield_bpm0l03Y_rms vs run
χ² / ndf 1.36e+05 / 51
p0 0.08125 ± 8.291e–05
1
0.8
0.6
0.4
0.2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

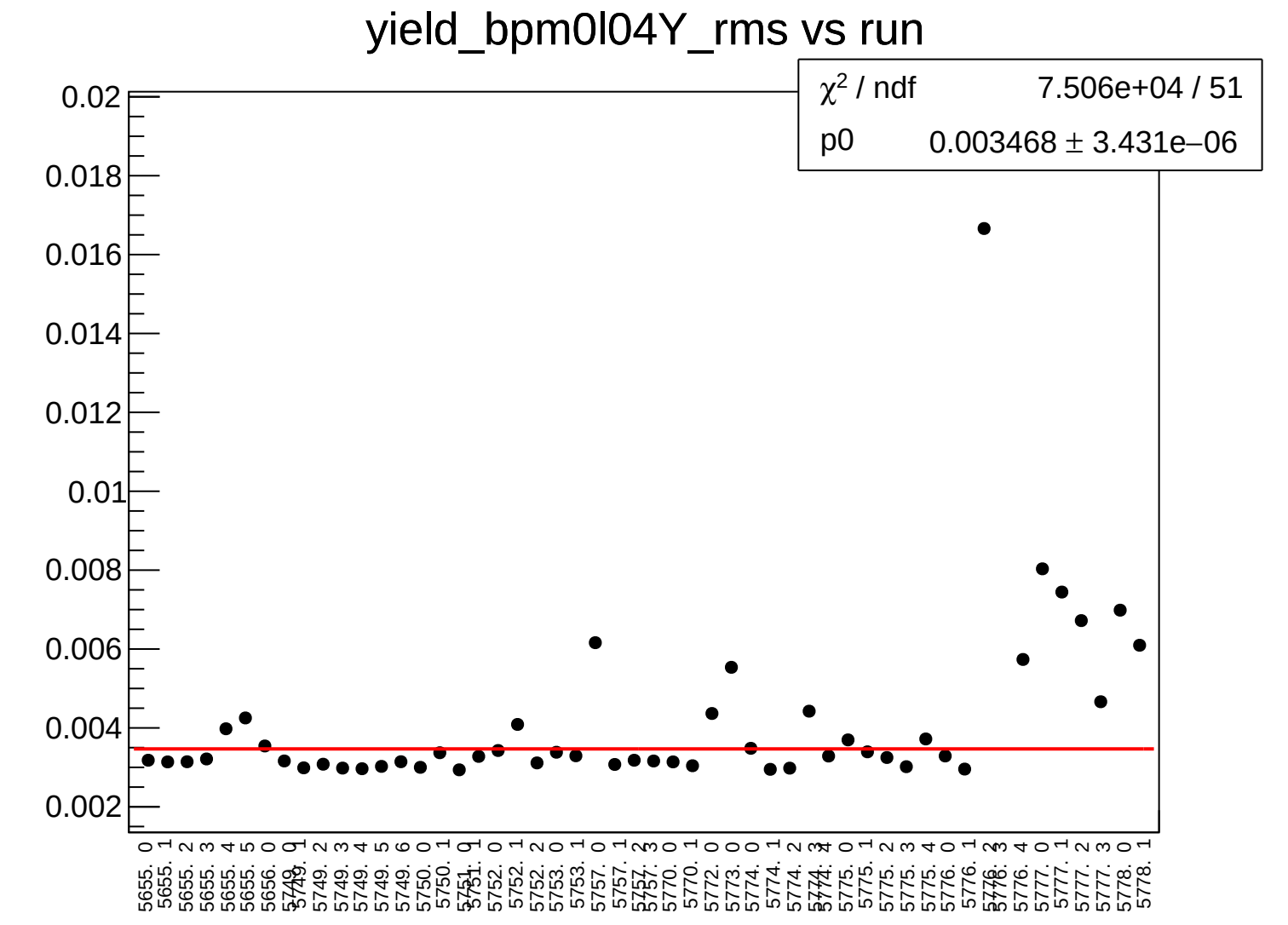

yield_bpm0l04X_mean vs run
χ² / ndf 7.8e+08 / 51
p0 −0.6357 ± 2.284e−05
pull
Entries 52
Mean 1348
Std Dev 0

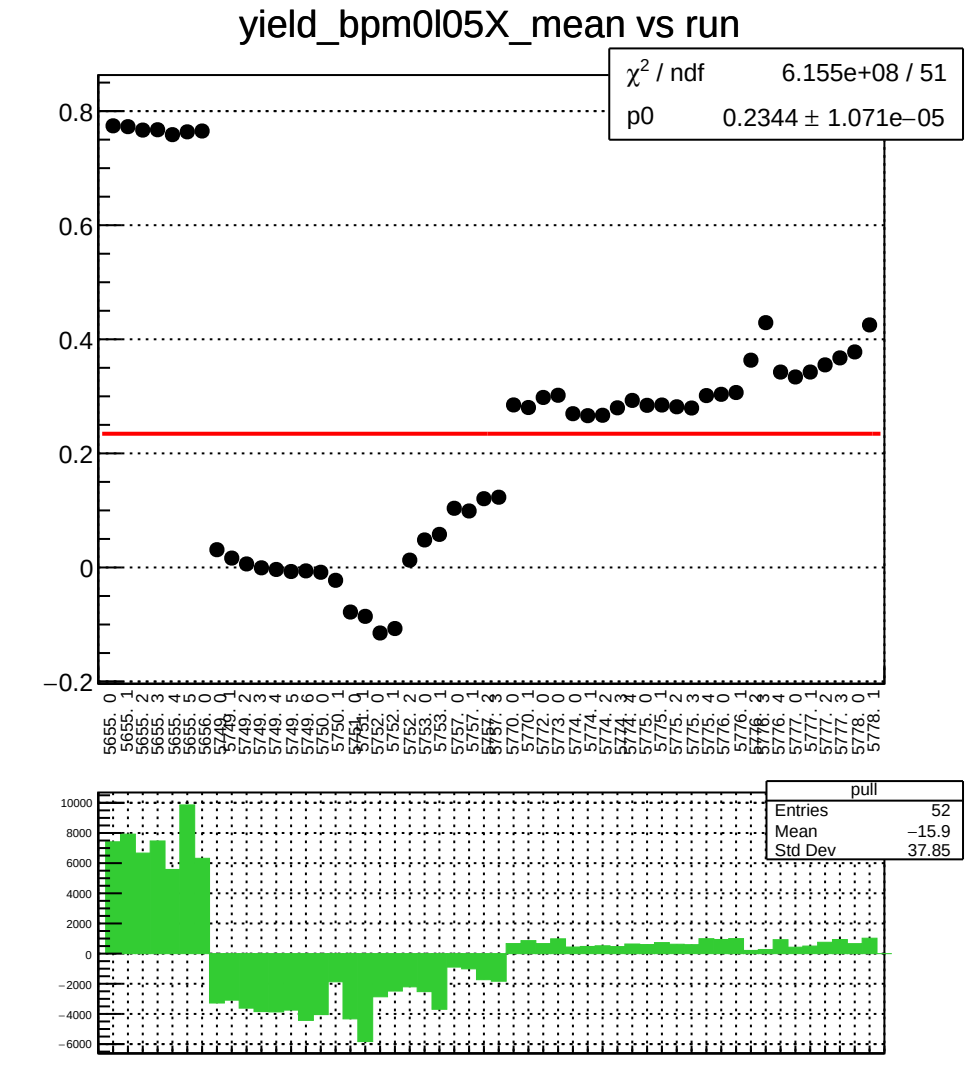

pull1D
Entries 52
Mean −6.655
Std Dev 0

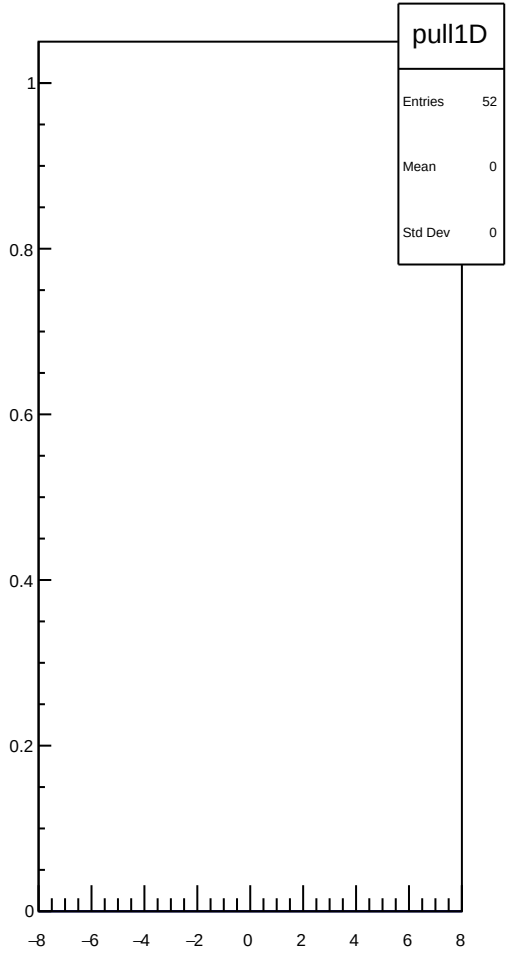

yield_bpm0l04X_rms vs run
χ² / ndf 1.597e+05 / 51
p0 0.01563 ± 1.615e−05
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

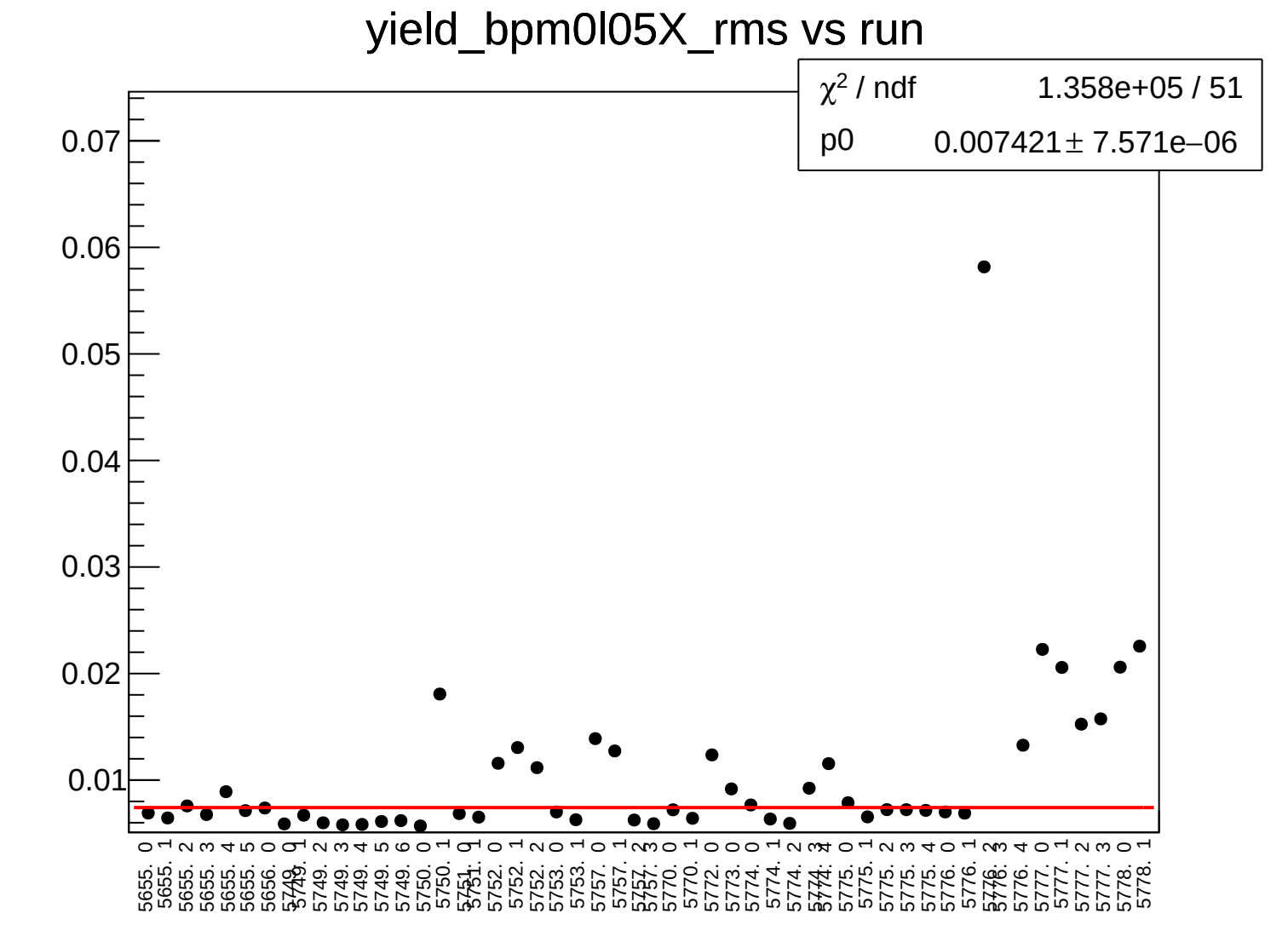

yield_bpm0l04Y_mean vs run
χ² / ndf 1.292e+10 / 51
p0 0.5898 ± 4.853e−06
pull
Entries 52
Mean −1056
Std Dev 0

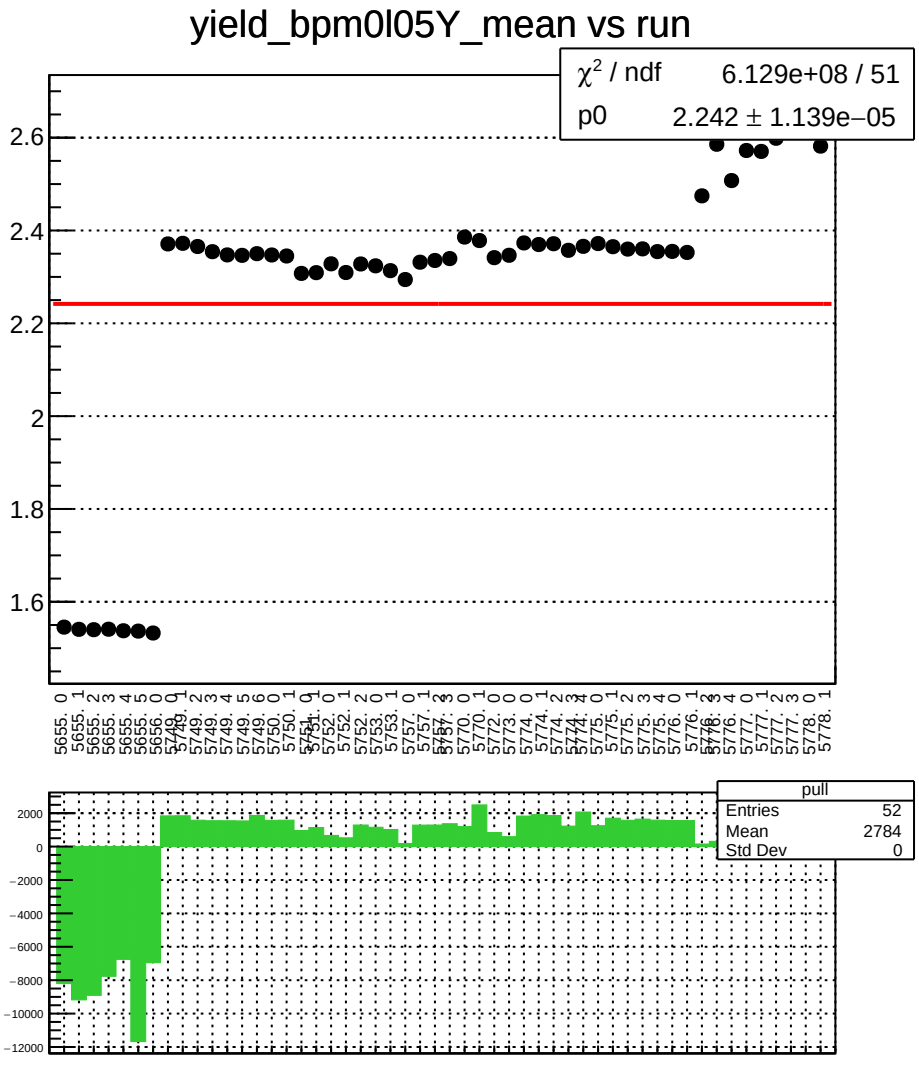

pull1D
Entries 52
Mean 0
Std Dev 0

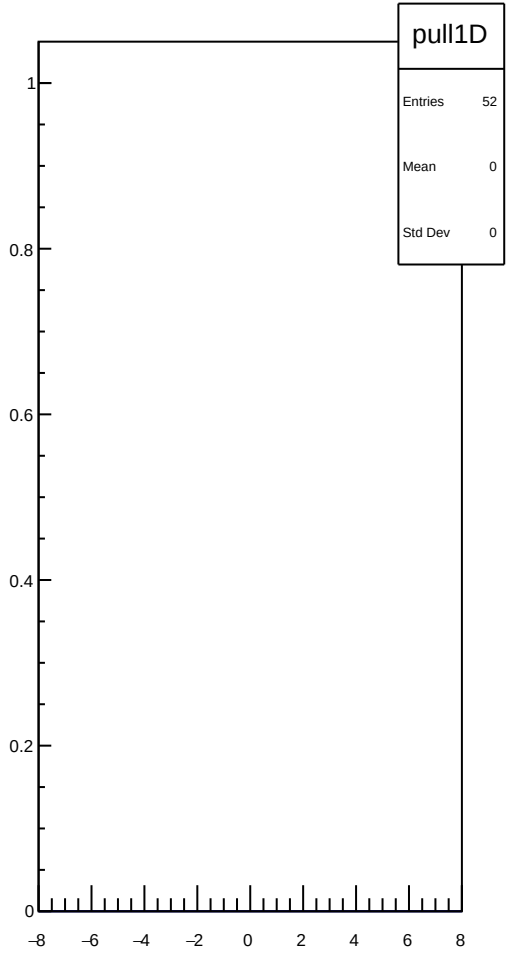

yield_bpm0l04Y_rms vs run
χ² / ndf 7.506e+04 / 51
p0 0.003468 ± 3.431e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

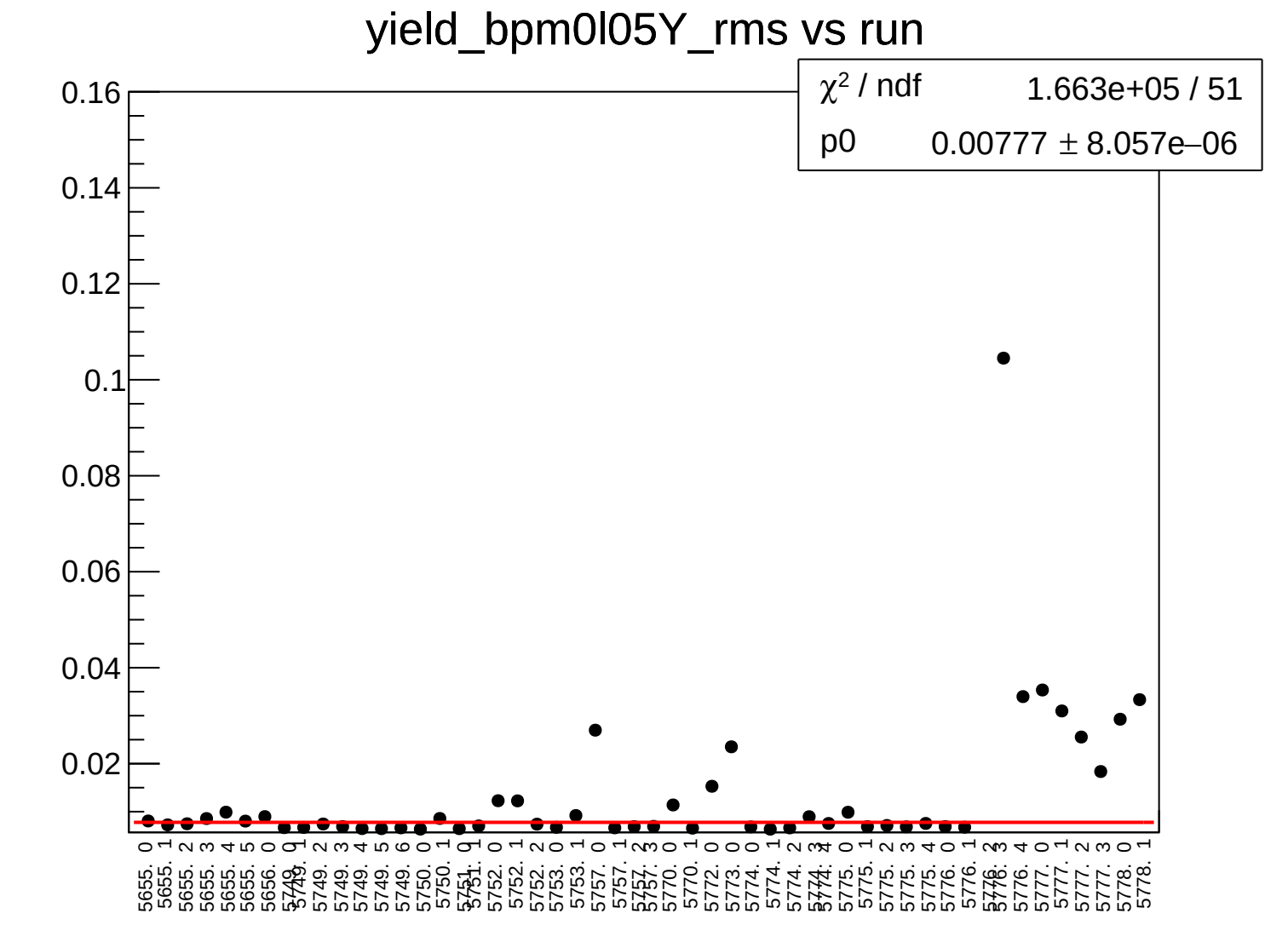

yield_bpm0l05X_mean vs run
χ² / ndf 6.155e+08 / 51
p0 0.2344 ± 1.071e−05
pull
Entries 52
Mean −15.9
Std Dev 37.85

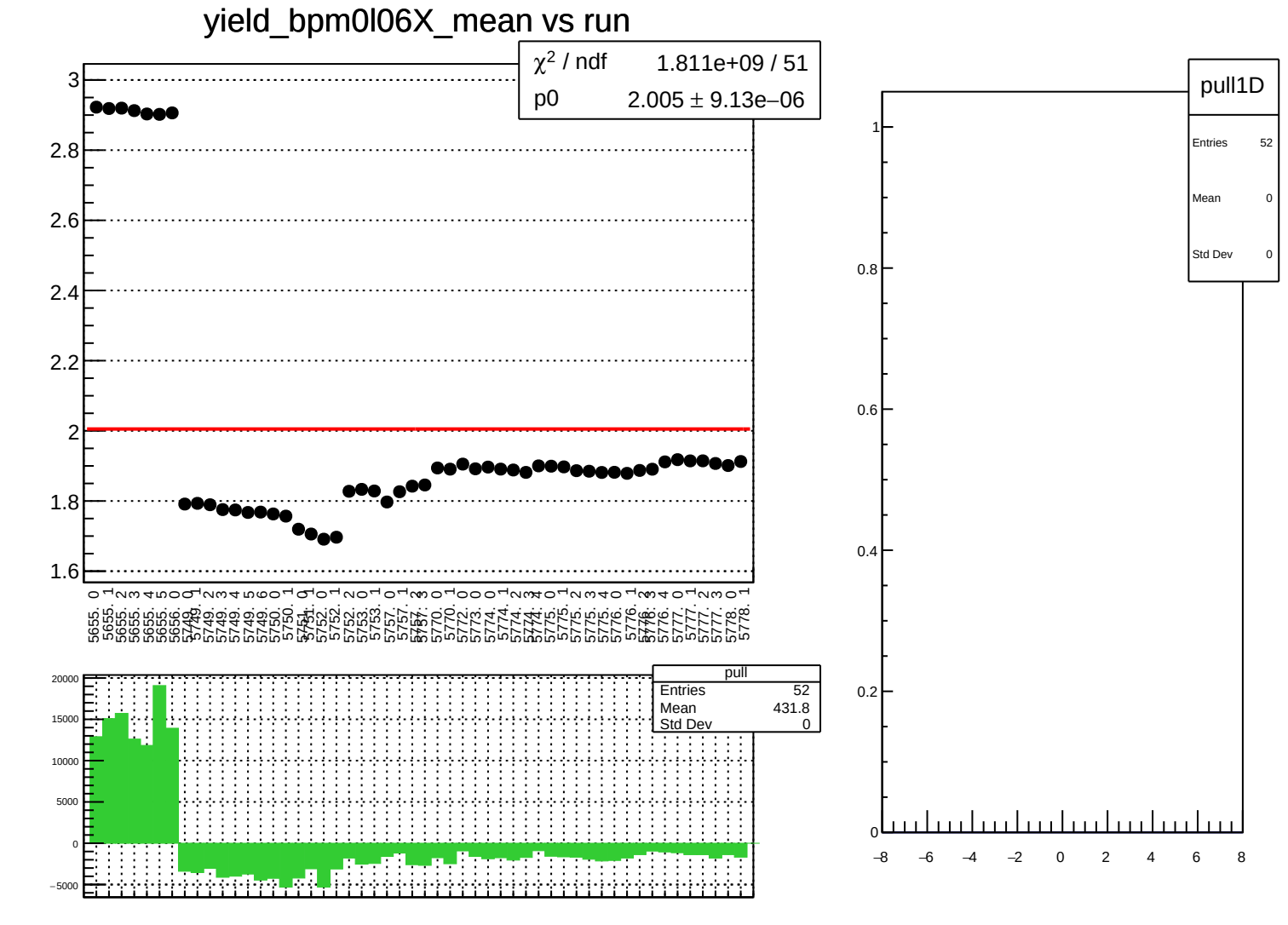

pull1D
Entries 52
Mean 0
Std Dev 0

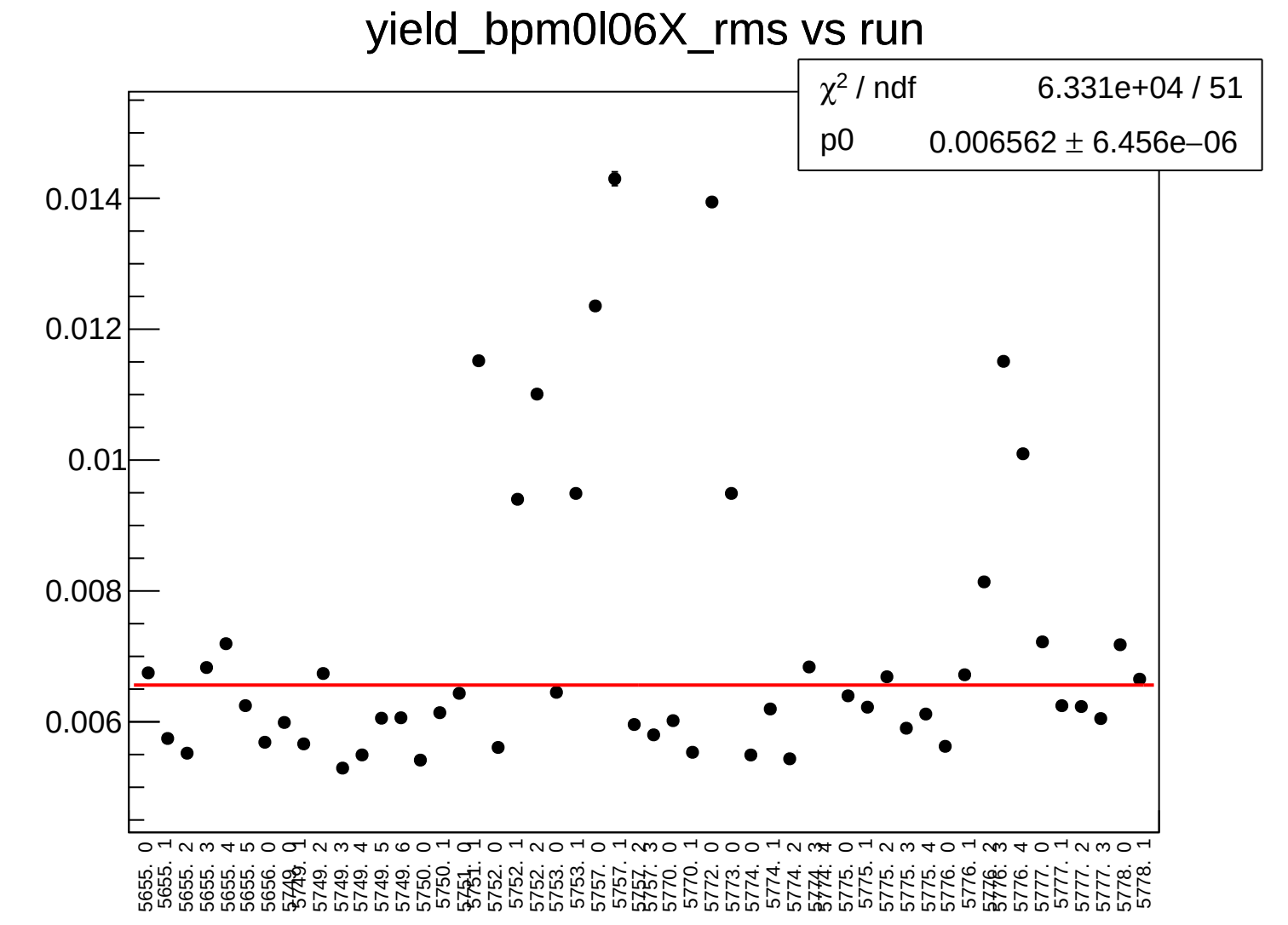

yield_bpm0l05X_rms vs run
χ² / ndf 1.358e+05 / 51
p0 0.007421 ± 7.571e−06
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

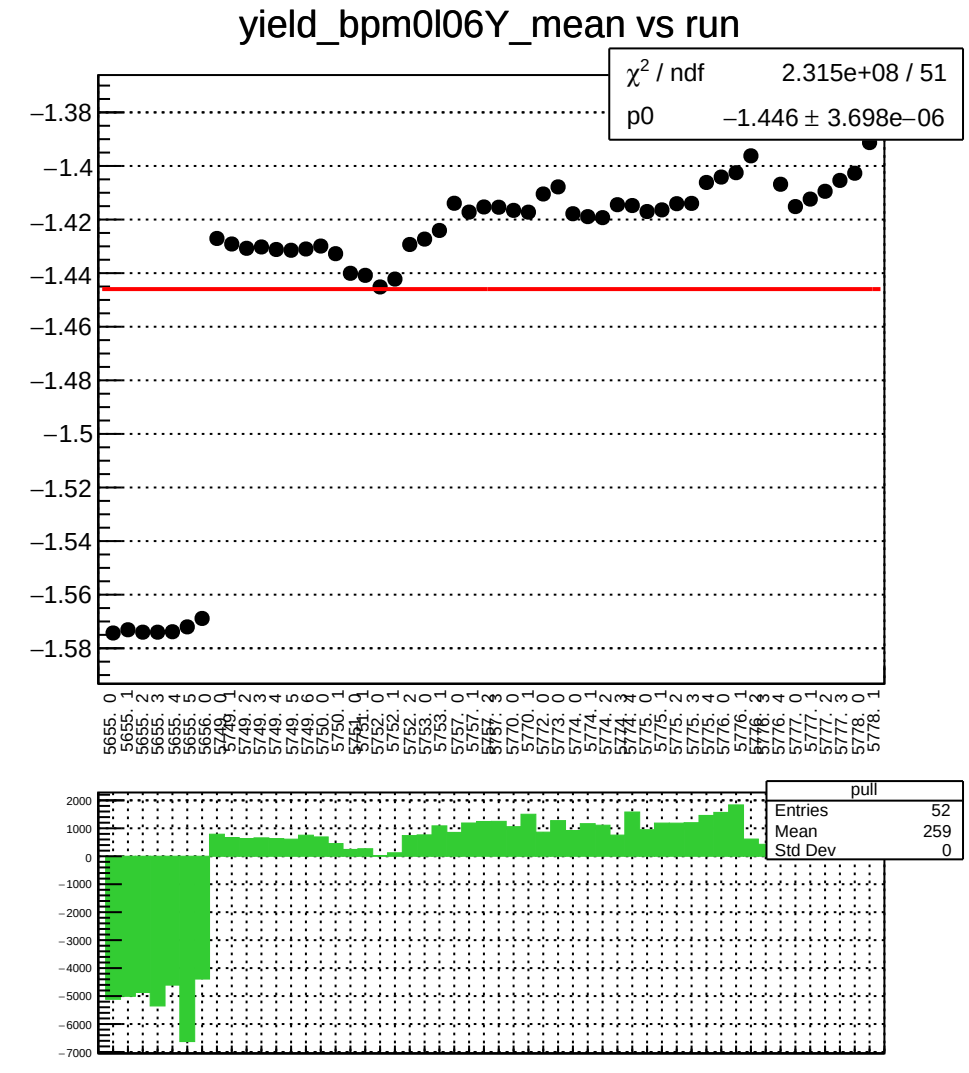

yield_bpm0l05Y_mean vs run
χ² / ndf 6.129e+08 / 51
p0 2.242 ± 1.139e−05
pull
Entries 52
Mean 2784
Std Dev 0

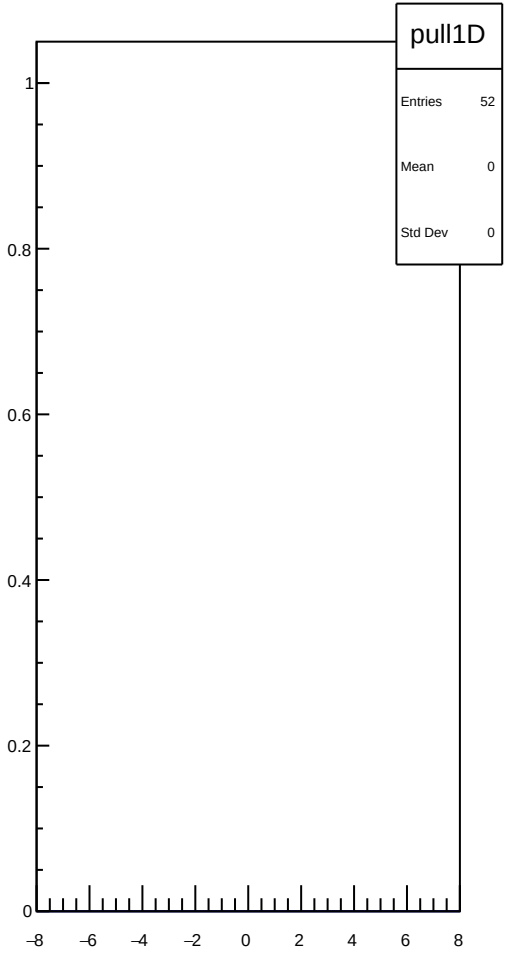

pull1D
Entries 52
Mean 0
Std Dev 0

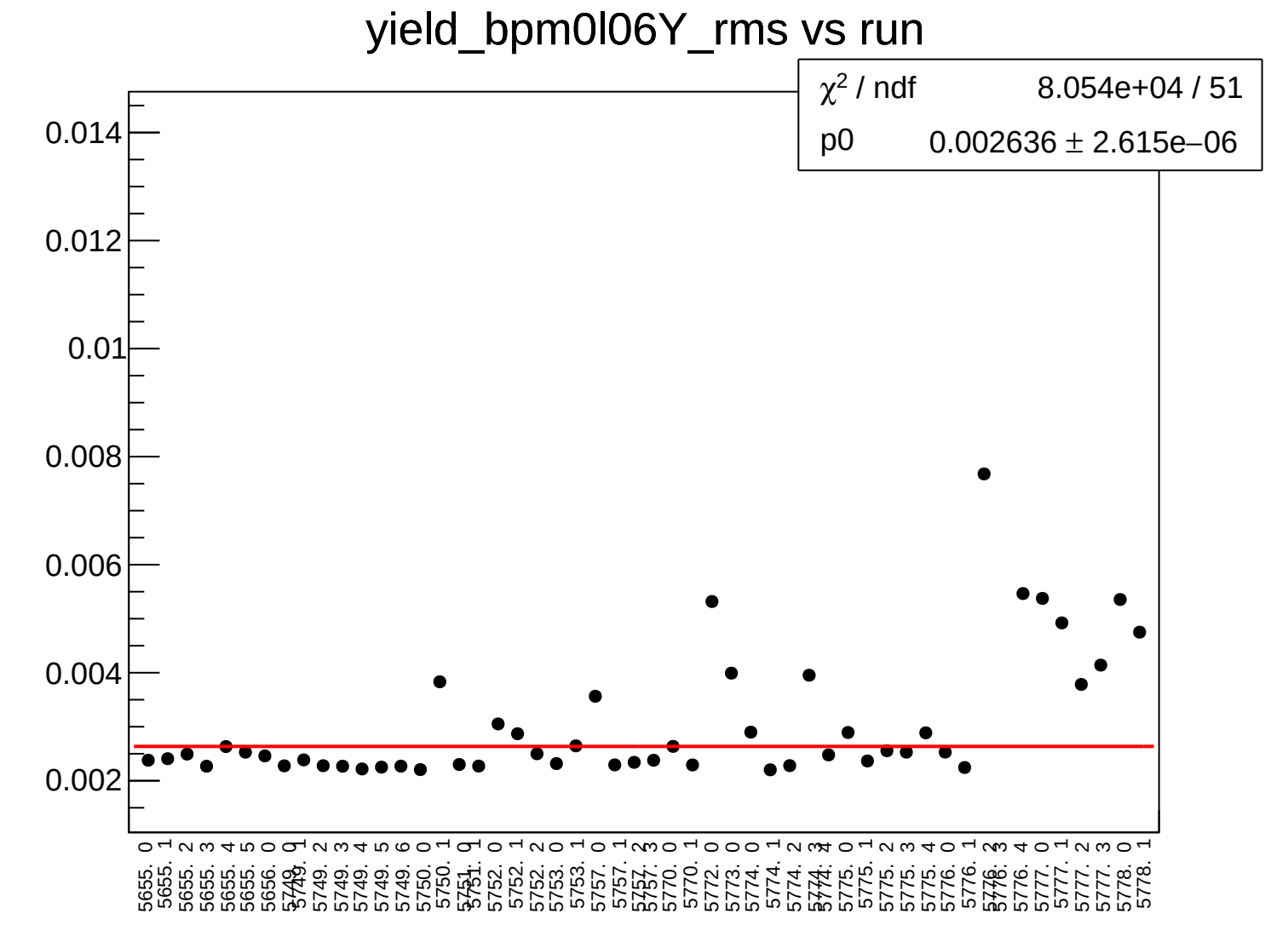

yield_bpm0l05Y_rms vs run
χ² / ndf 1.663e+05 / 51
p0 0.00777 ± 8.057e–06
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

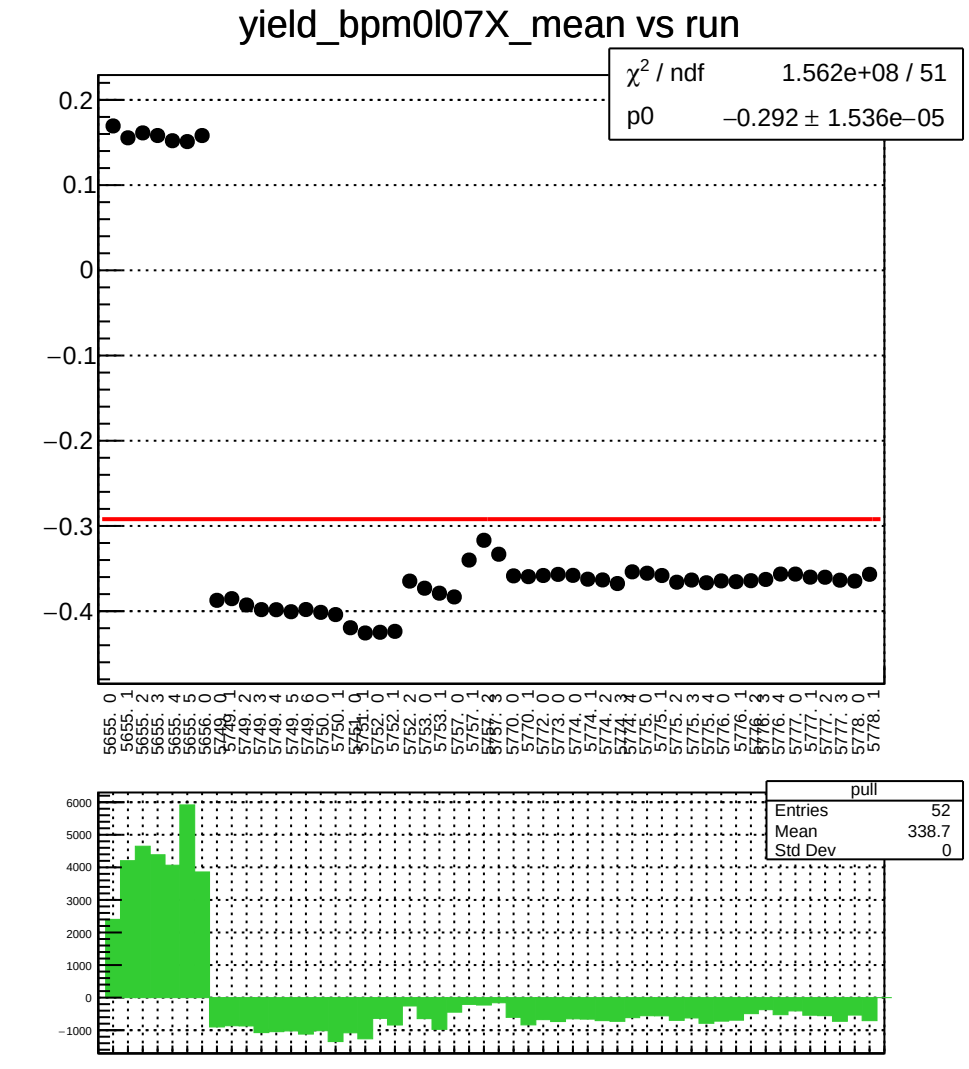

yield_bpm0l06X_mean vs run
χ² / ndf 1.811e+09 / 51
p0 2.005 ± 9.13e−06
pull
Entries 52
Mean 431.8
Std Dev 0
pull1D
Entries 52
Mean 0
Std Dev 0

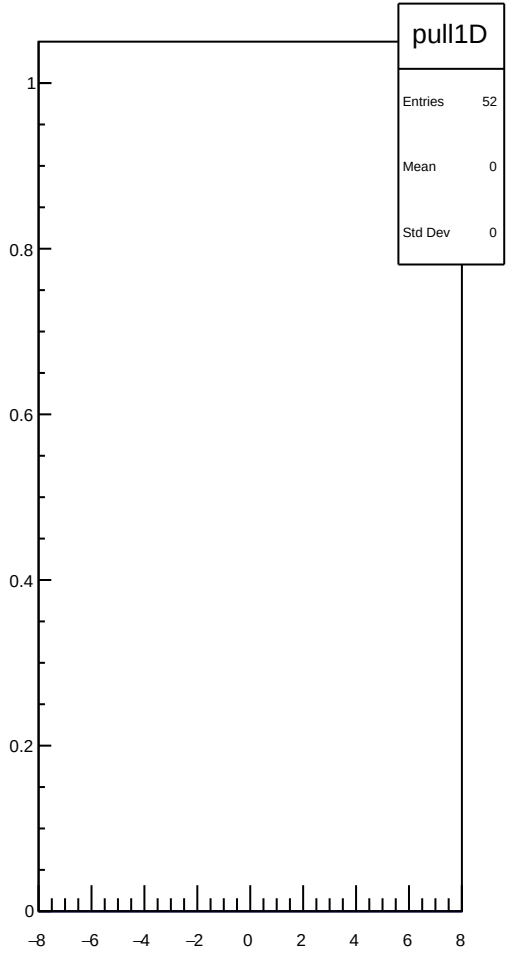

yield_bpm0l06X_rms vs run
χ² / ndf 6.331e+04 / 51
p0 0.006562 ± 6.456e−06
0.014
0.012
0.01
0.008
0.006
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

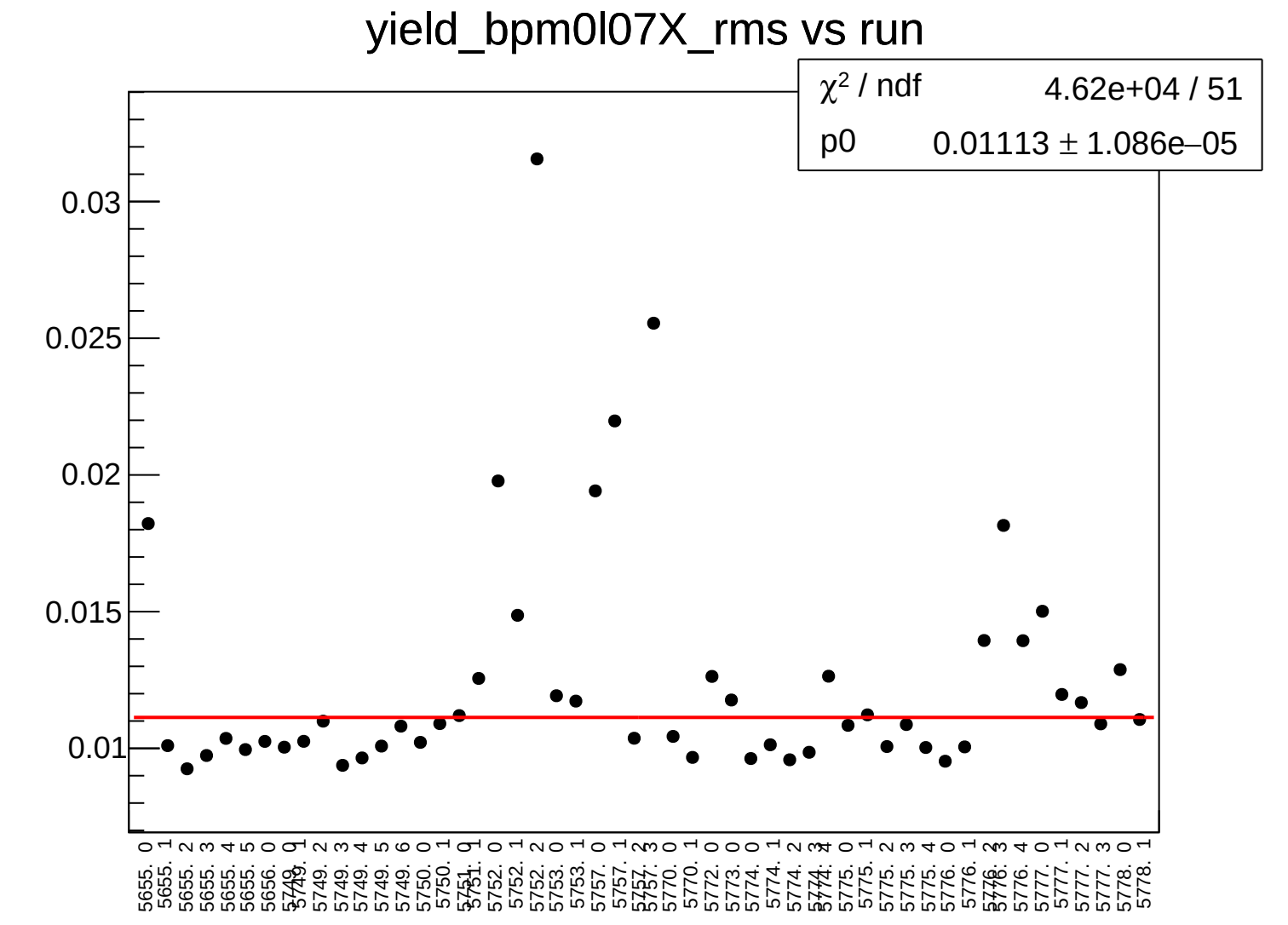

yield_bpm0l06Y_mean vs run
χ² / ndf 2.315e+08 / 51
p0 −1.446 ± 3.698e−06
pull
Entries 52
Mean 259
Std Dev 0


pull1D
Entries 52
Mean 0
Std Dev 0


yield_bpm0l06Y_rms vs run
χ² / ndf 8.054e+04 / 51
p0 0.002636 ± 2.615e−06
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


yield_bpm0l07X_mean vs run
χ² / ndf 1.562e+08 / 51
p0 −0.292 ± 1.536e−05
pull
Entries 52
Mean 338.7
Std Dev 0


pull1D
Entries 52
Mean 0
Std Dev 0


yield_bpm0l07X_rms vs run
χ² / ndf 4.62e+04 / 51
p0 0.01113 ± 1.086e−05
0.03
0.025
0.02
0.015
0.01
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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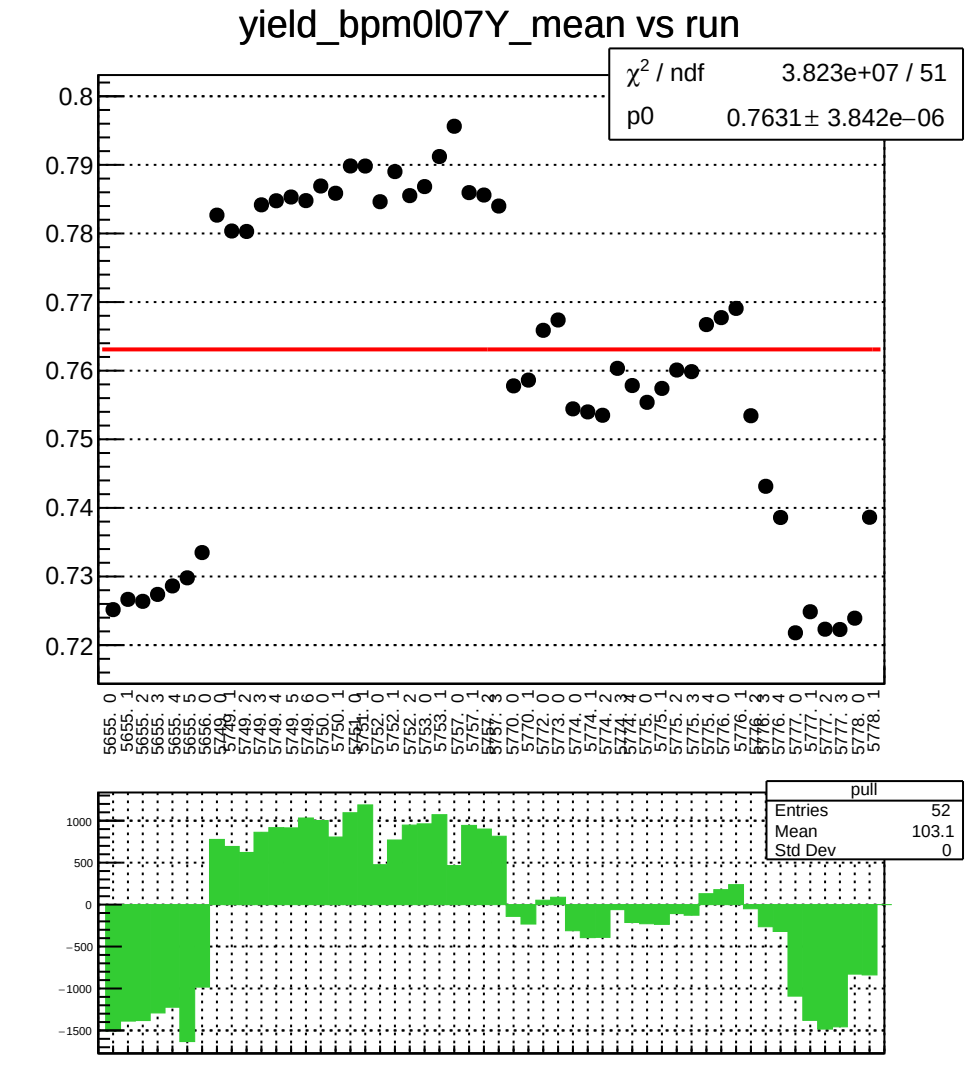
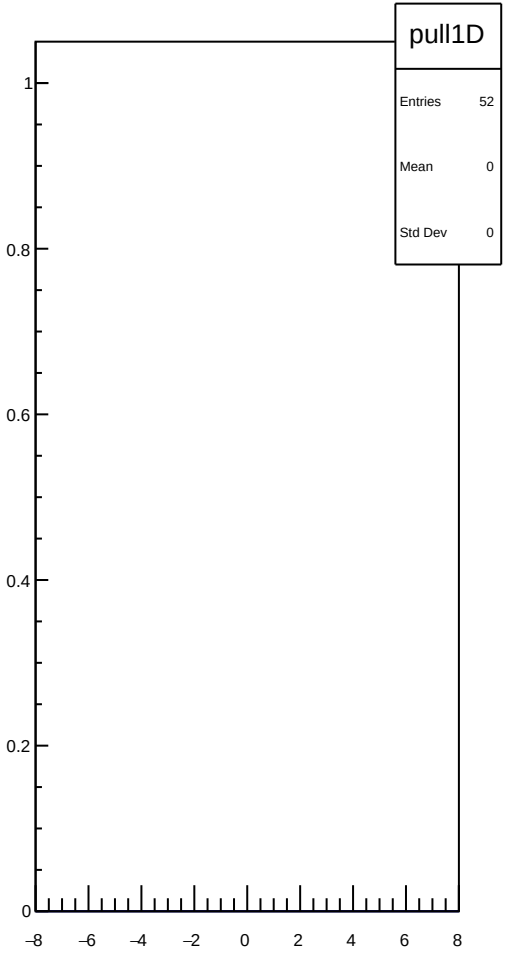
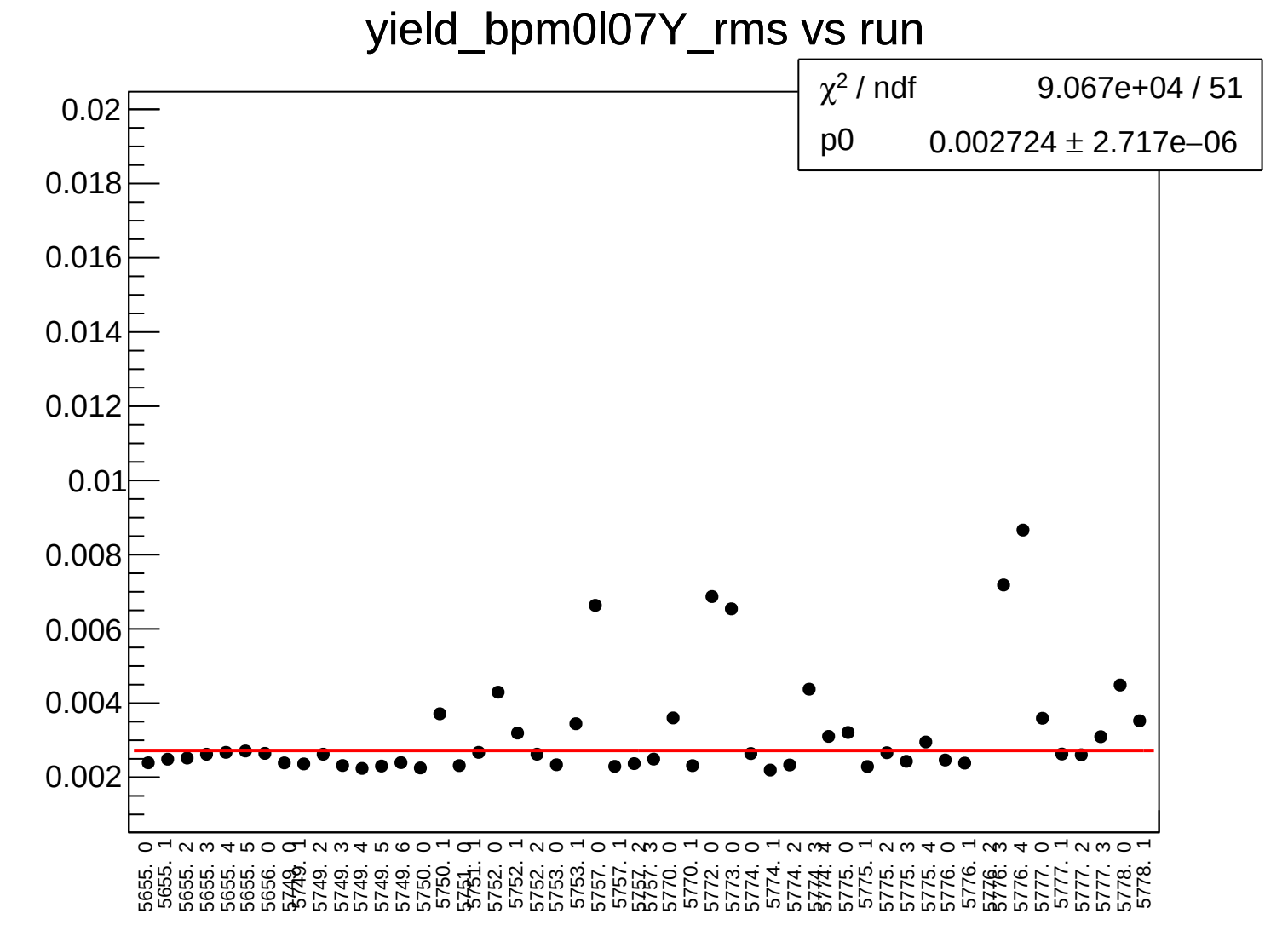
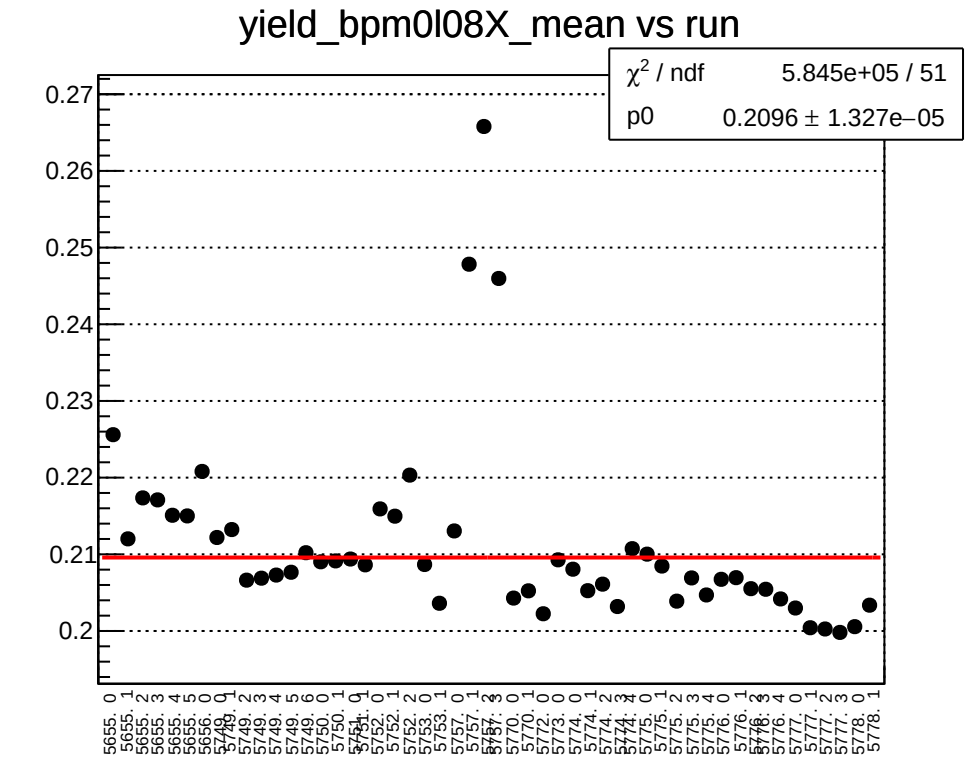
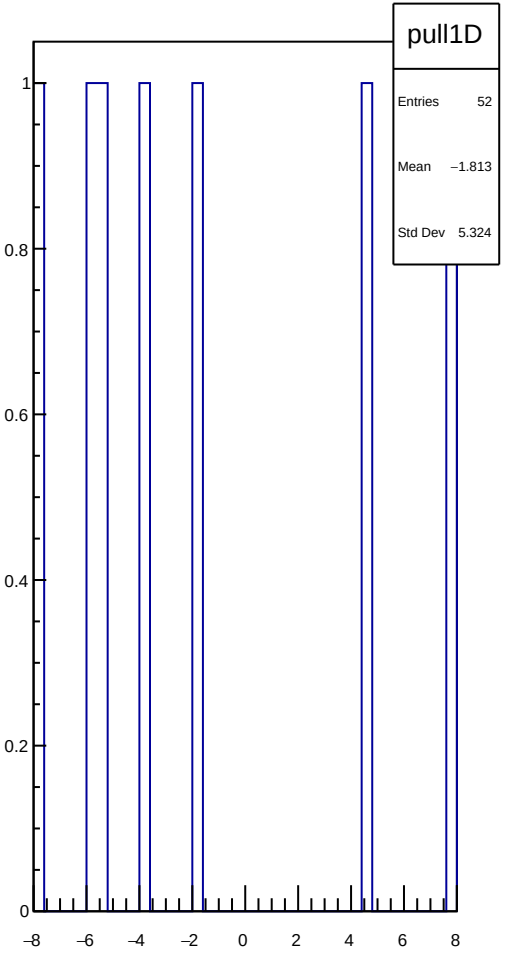
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

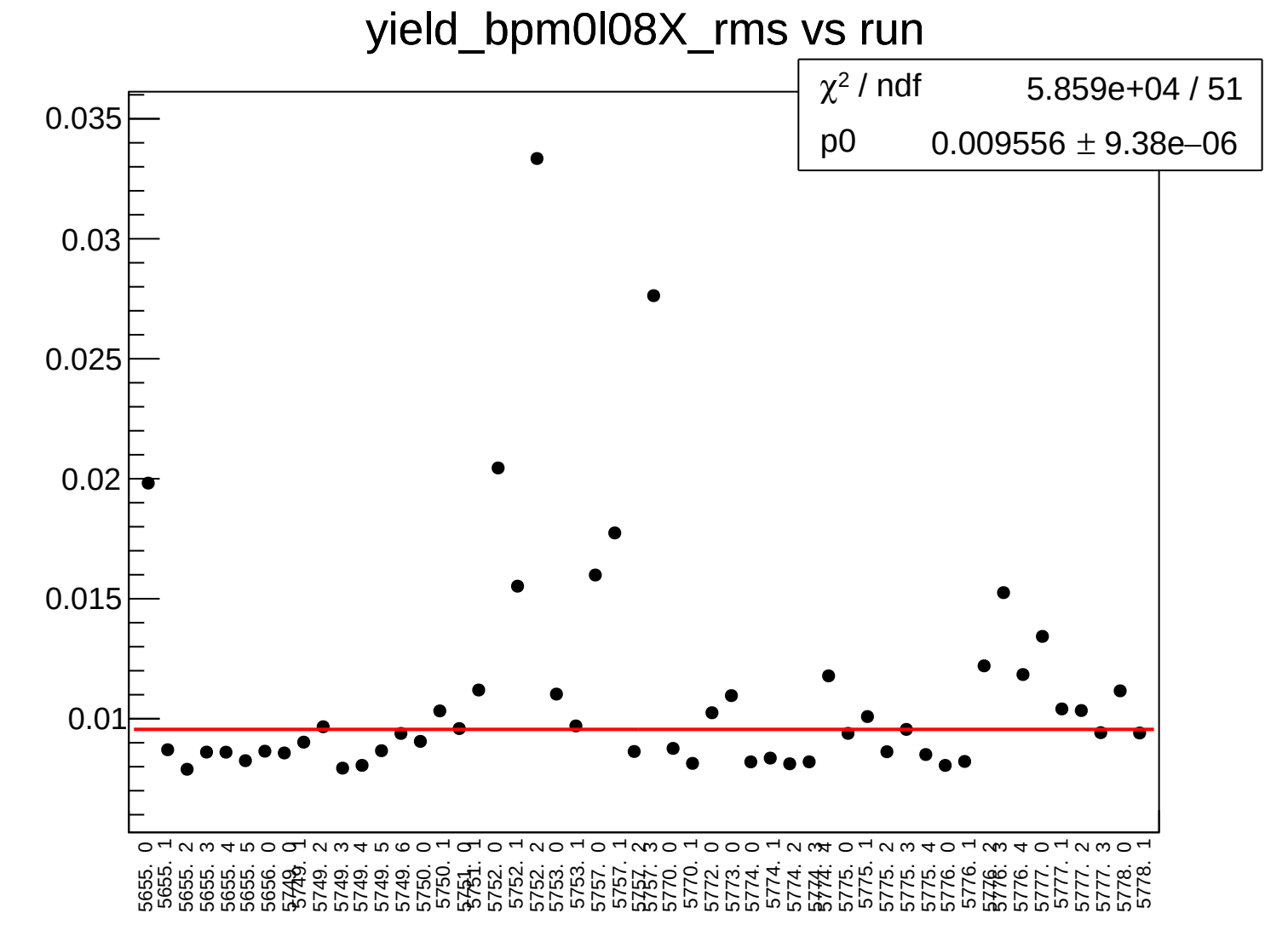

yield_bpm0l07Y_mean vs run
χ² / ndf 3.823e+07 / 51
p0 0.7631 ± 3.842e−06
pull
Entries 52
Mean 103.1
Std Dev 0

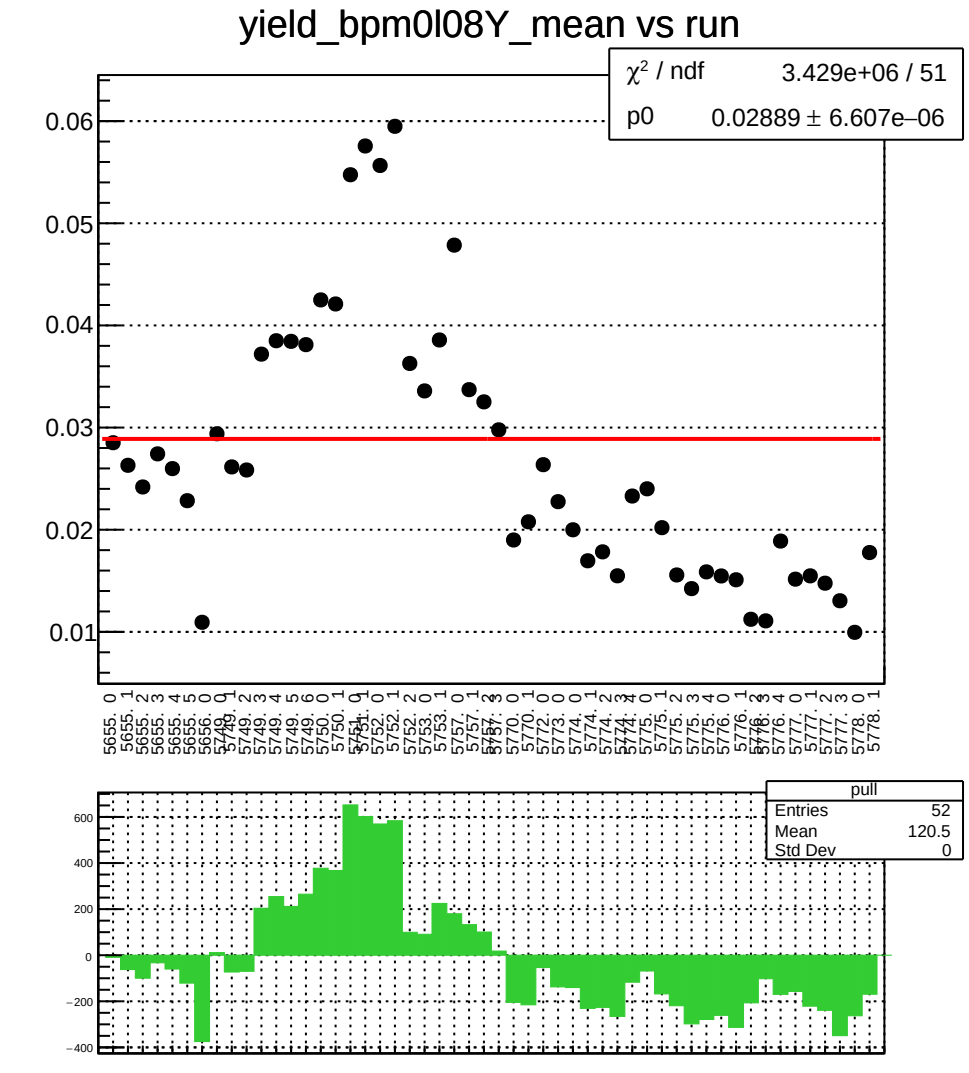

pull1D
Entries 52
Mean 0
Std Dev 0

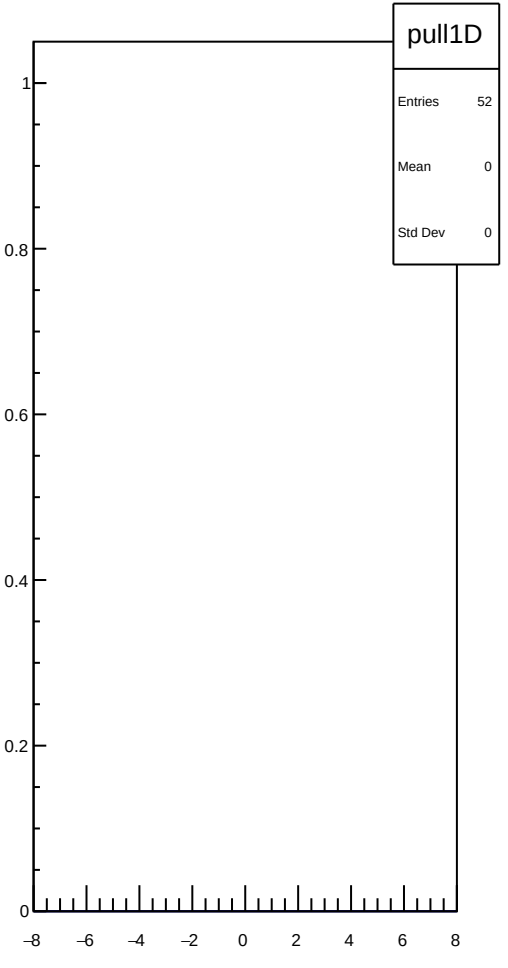

yield_bpm0l07Y_rms vs run
χ² / ndf 9.067e+04 / 51
p0 0.002724 ± 2.717e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

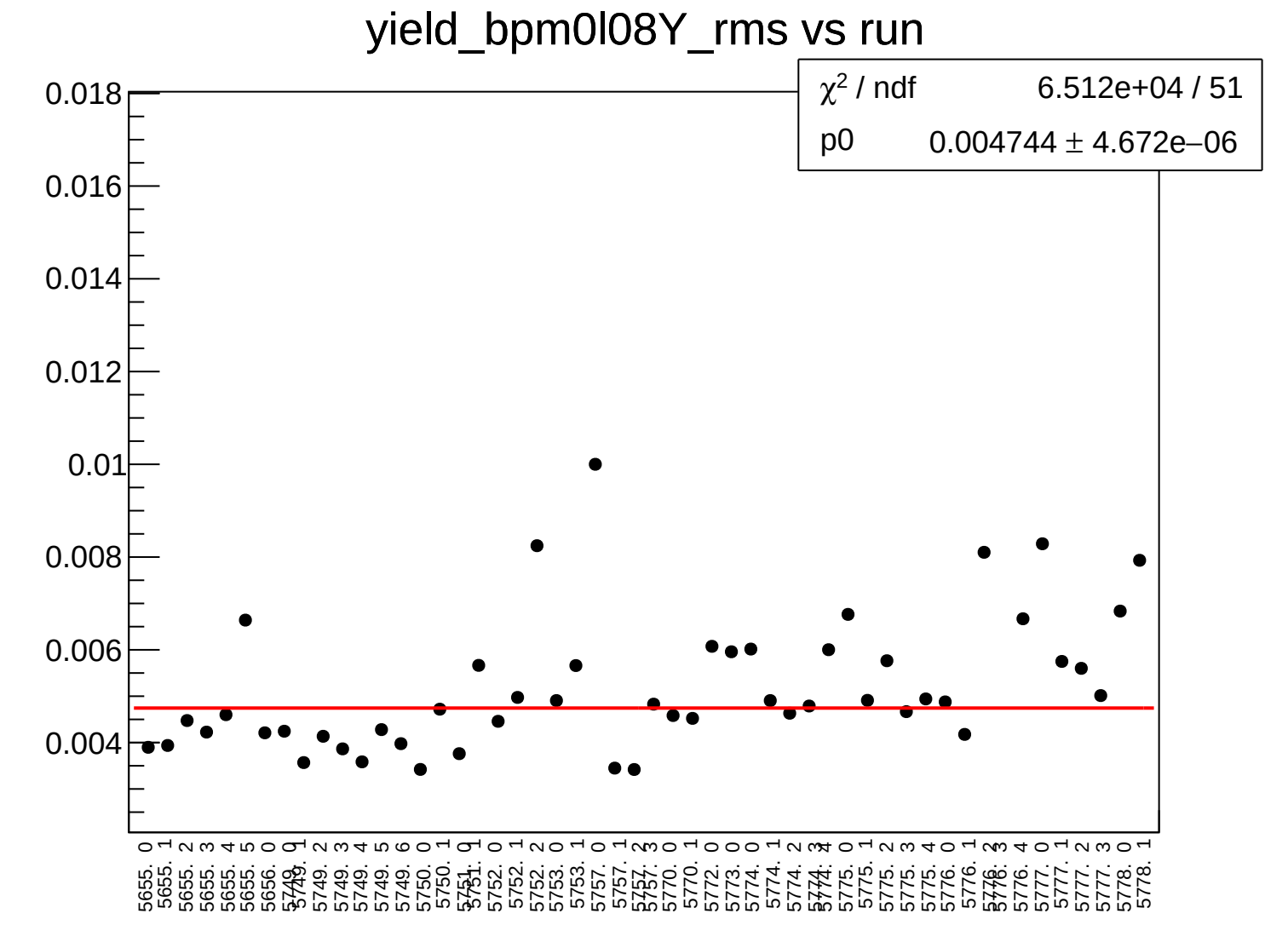

yield_bpm0l08X_mean vs run
χ² / ndf 5.845e+05 / 51
p0 0.2096 ± 1.327e−05
0.27
0.26
0.25
0.24
0.23
0.22
0.21
0.2
pull
Entries 52
Mean −89.89
Std Dev 0
600
500
400
300
200
100
0
−100


pull1D
Entries 52
Mean −1.813
Std Dev 5.324
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bpm0l08X_rms vs run
χ² / ndf 5.859e+04 / 51
p0 0.009556 ± 9.38e–06
0.035
0.03
0.025
0.02
0.015
0.01


yield_bpm0l08Y_mean vs run
χ² / ndf 3.429e+06 / 51
p0 0.02889 ± 6.607e−06
pull
Entries 52
Mean 120.5
Std Dev 0


pull1D
Entries 52
Mean 0
Std Dev 0


yield_bpm0l08Y_rms vs run
χ² / ndf 6.512e+04 / 51
p0 0.004744 ± 4.672e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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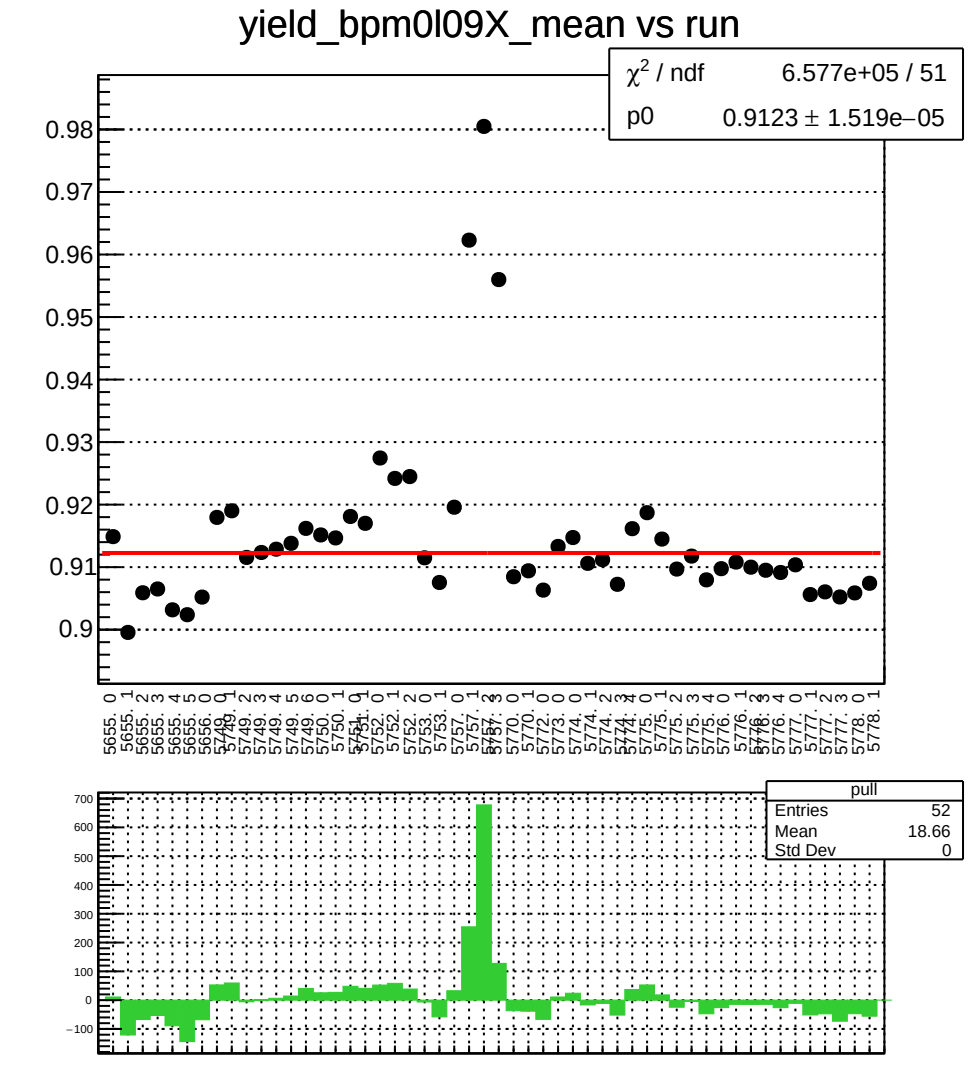
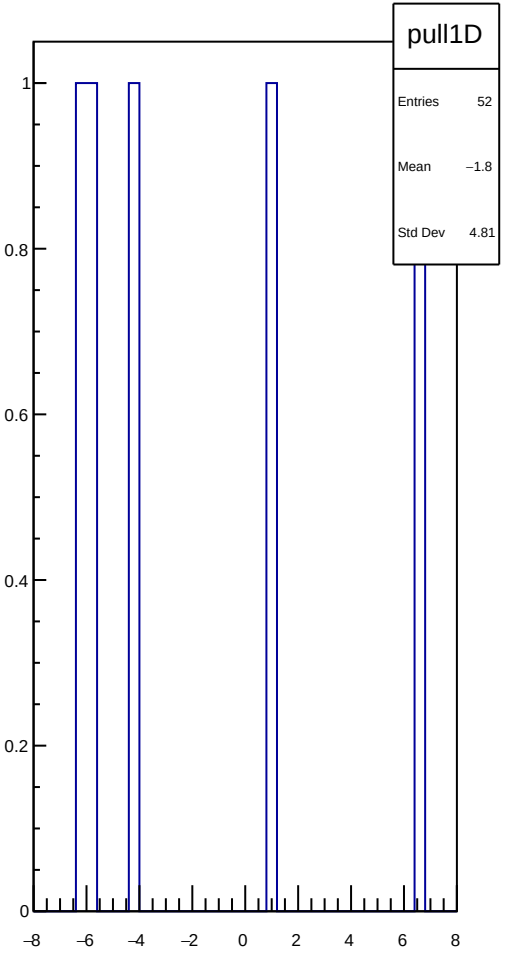
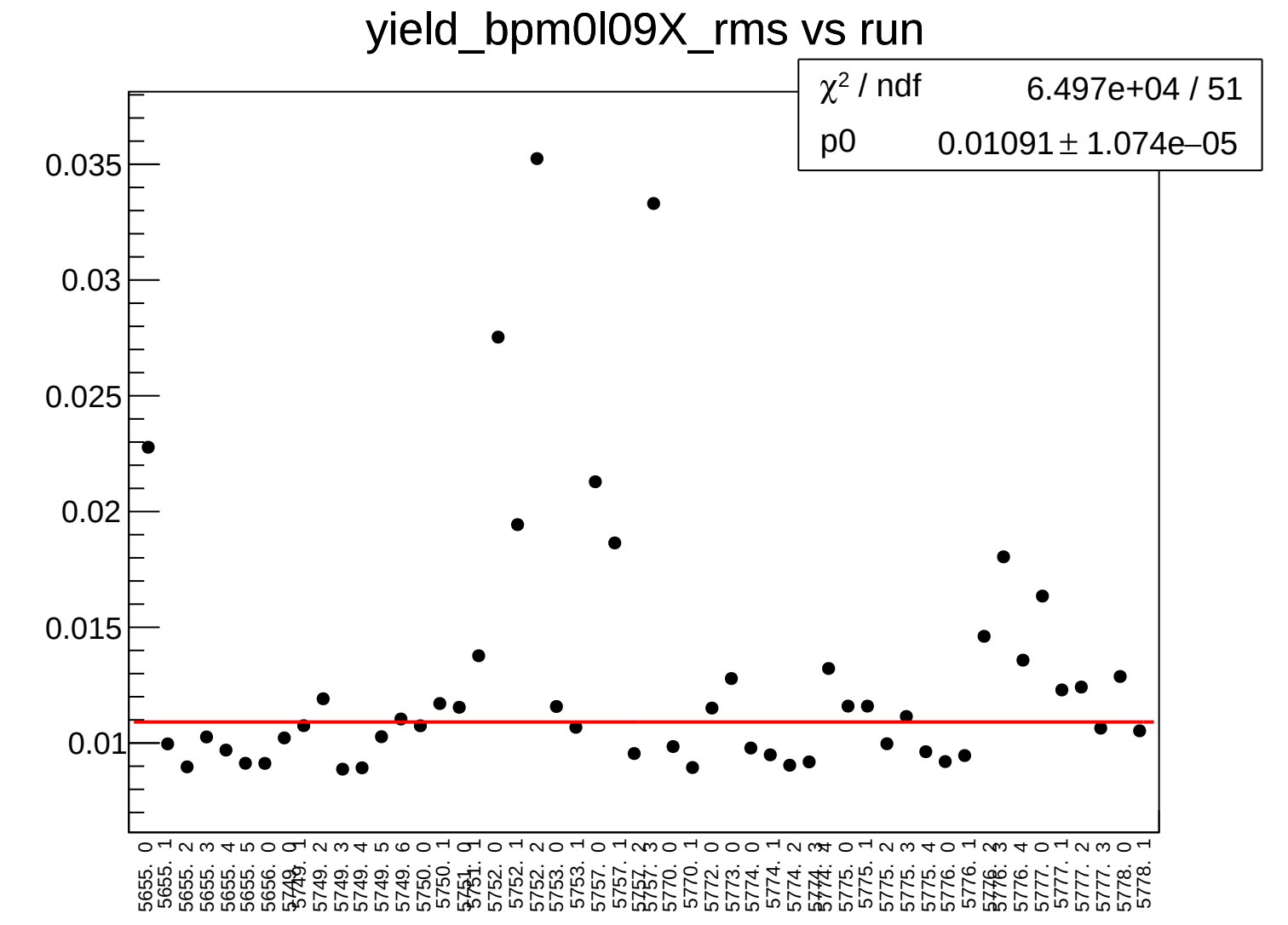
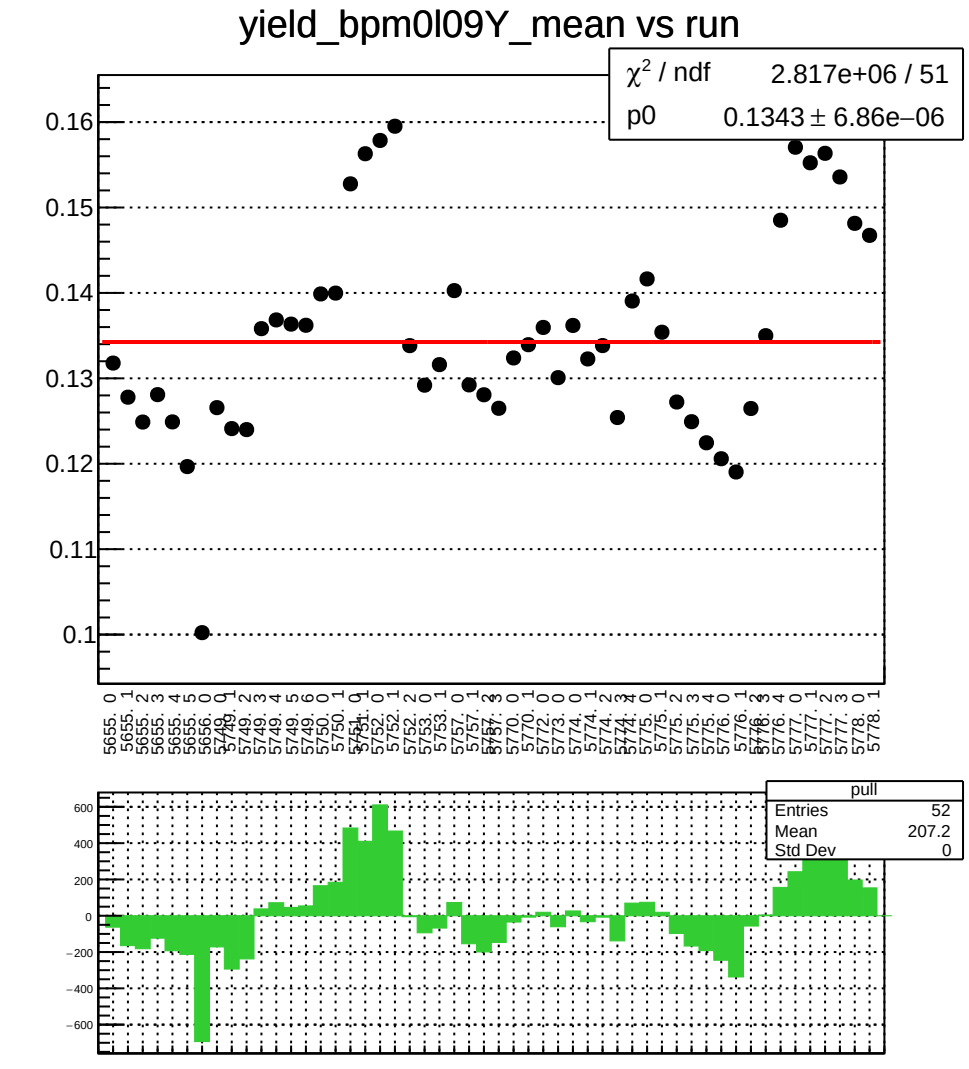
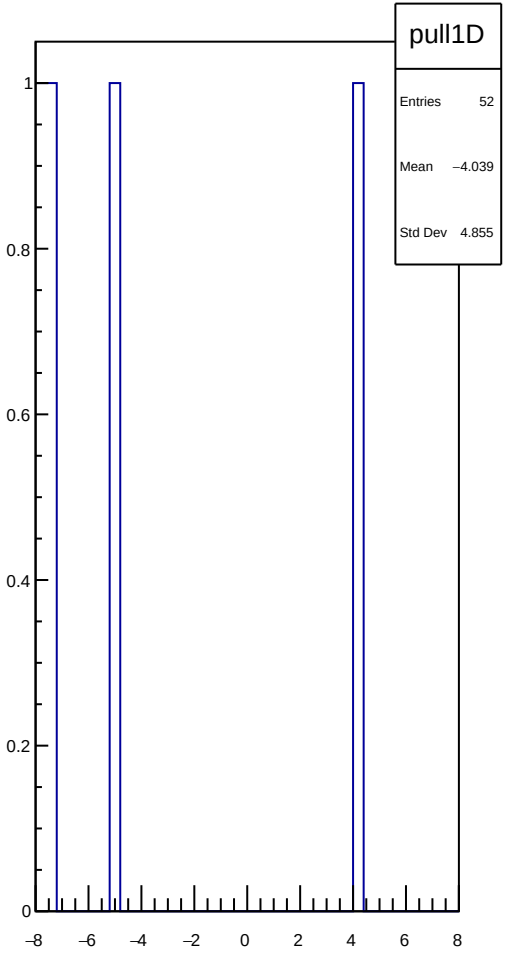
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

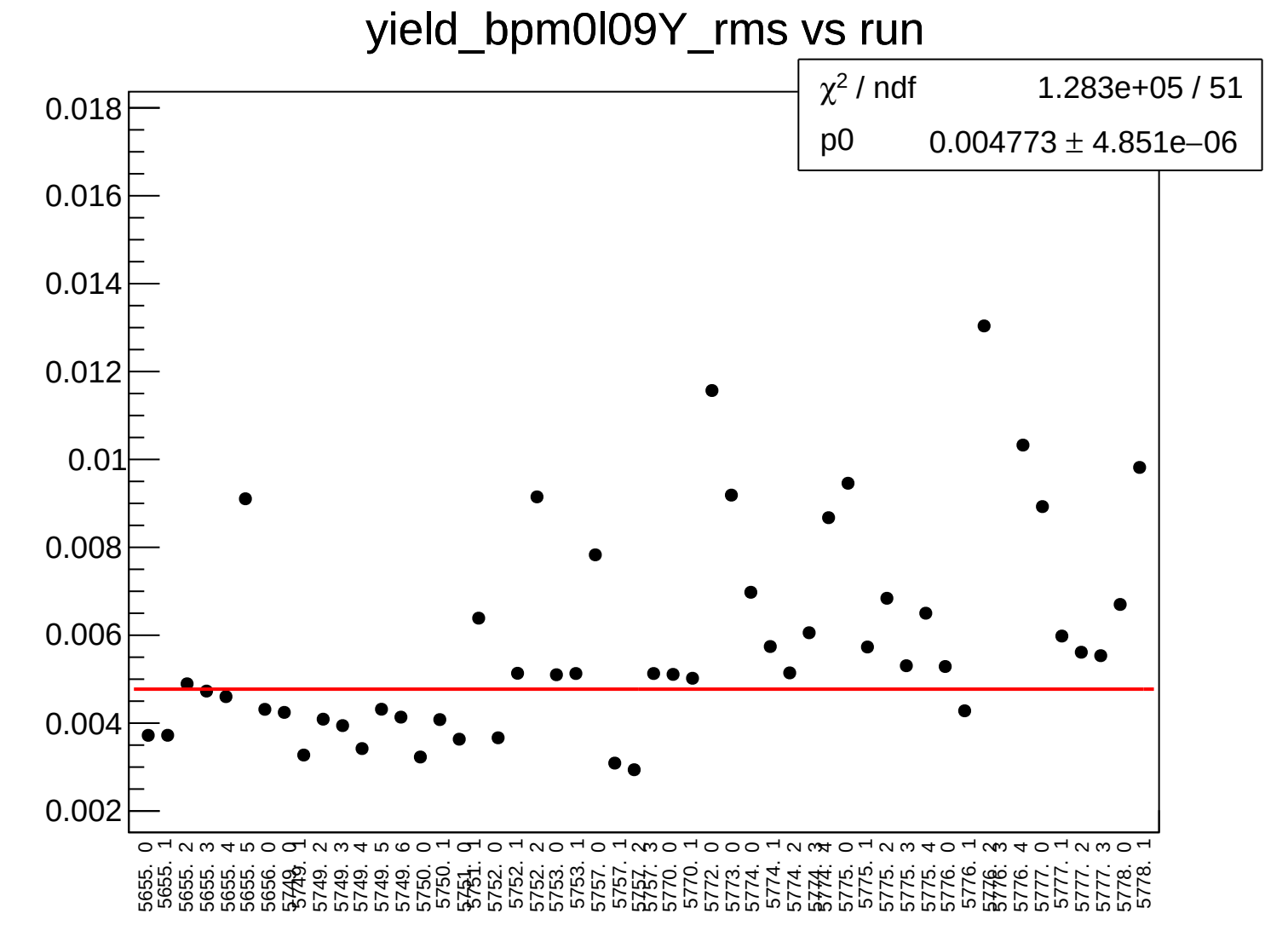

yield_bpm0l09X_mean vs run
χ² / ndf 6.577e+05 / 51
p0 0.9123 ± 1.519e−05
0.98
0.97
0.96
0.95
0.94
0.93
0.92
0.91
0.9
pull
Entries 52
Mean 18.66
Std Dev 0
700
600
500
400
300
200
100
0
−100

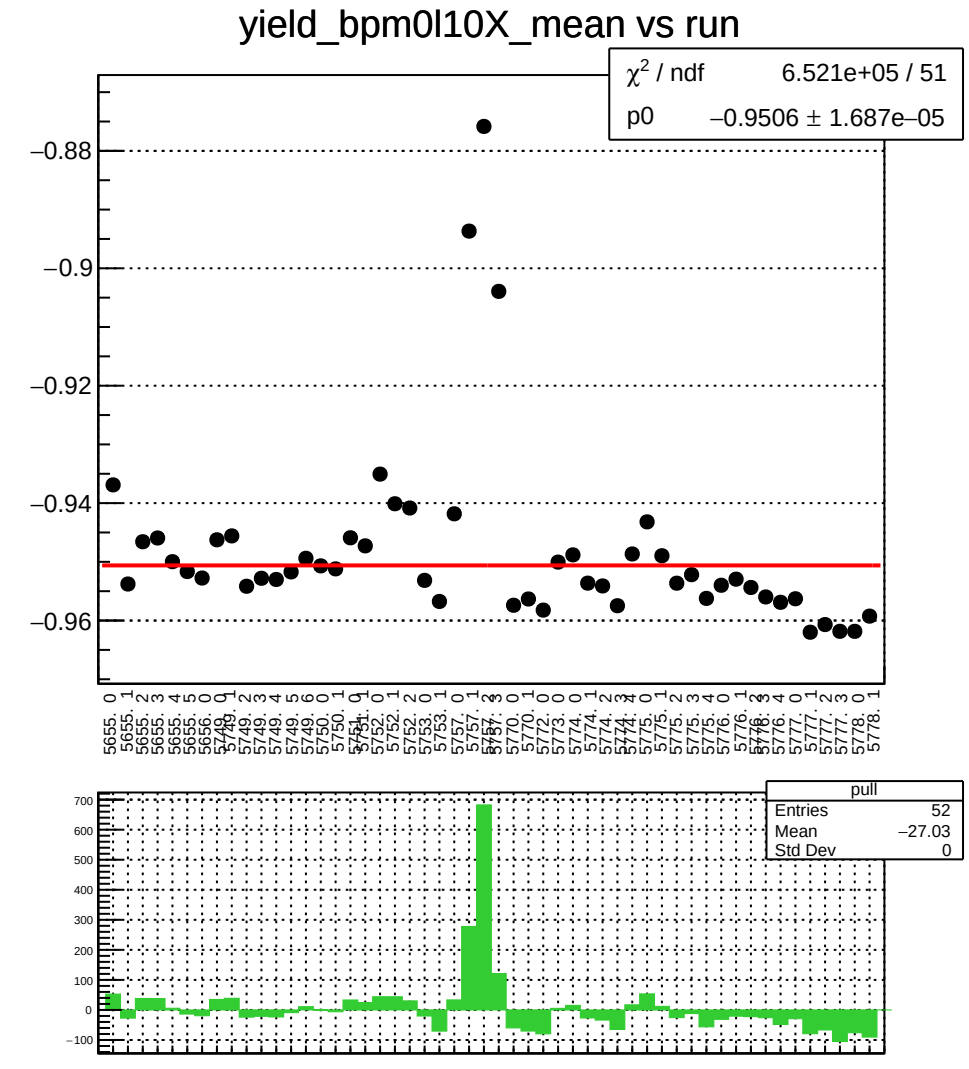

pull1D
Entries 52
Mean −1.8
Std Dev 4.81
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

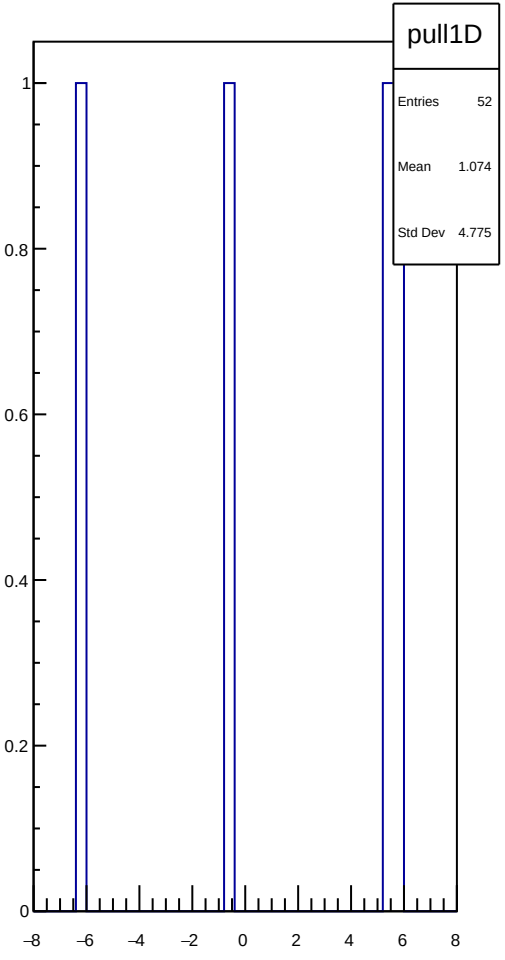

yield_bpm0l09X_rms vs run
χ² / ndf 6.497e+04 / 51
p0 0.01091 ± 1.074e–05
0.035
0.03
0.025
0.02
0.015
0.01

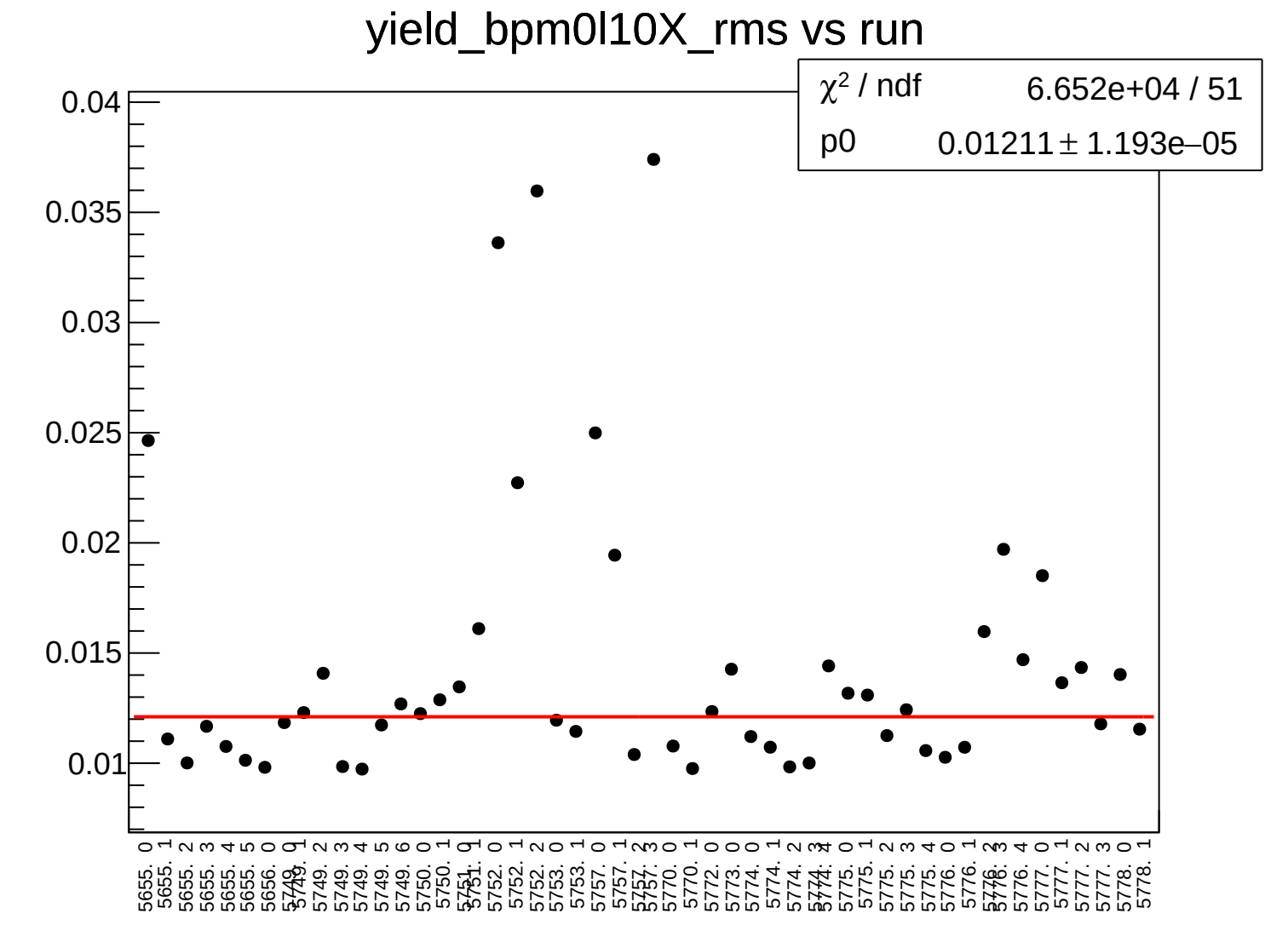

yield_bpm0l09Y_mean vs run
χ² / ndf 2.817e+06 / 51
p0 0.1343 ± 6.86e−06
0.16
0.15
0.14
0.13
0.12
0.11
0.1
pull
Entries 52
Mean 207.2
Std Dev 0
600
400
200
0
−200
−400
−600


pull1D
Entries 52
Mean −4.039
Std Dev 4.855
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 1.283e+05 / 51
p0 0.004773 ± 4.851e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


yield_bpm0l10X_mean vs run
χ² / ndf 6.521e+05 / 51
p0 −0.9506 ± 1.687e−05
−0.88
−0.9
−0.92
−0.94
−0.96
pull
Entries 52
Mean −27.03
Std Dev 0
700
600
500
400
300
200
100
0
−100


pull1D
Entries 52
Mean 1.074
Std Dev 4.775
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bpm0l10X_rms vs run
χ² / ndf 6.652e+04 / 51
p0 0.01211 ± 1.193e–05
0.04
0.035
0.03
0.025
0.02
0.015
0.01
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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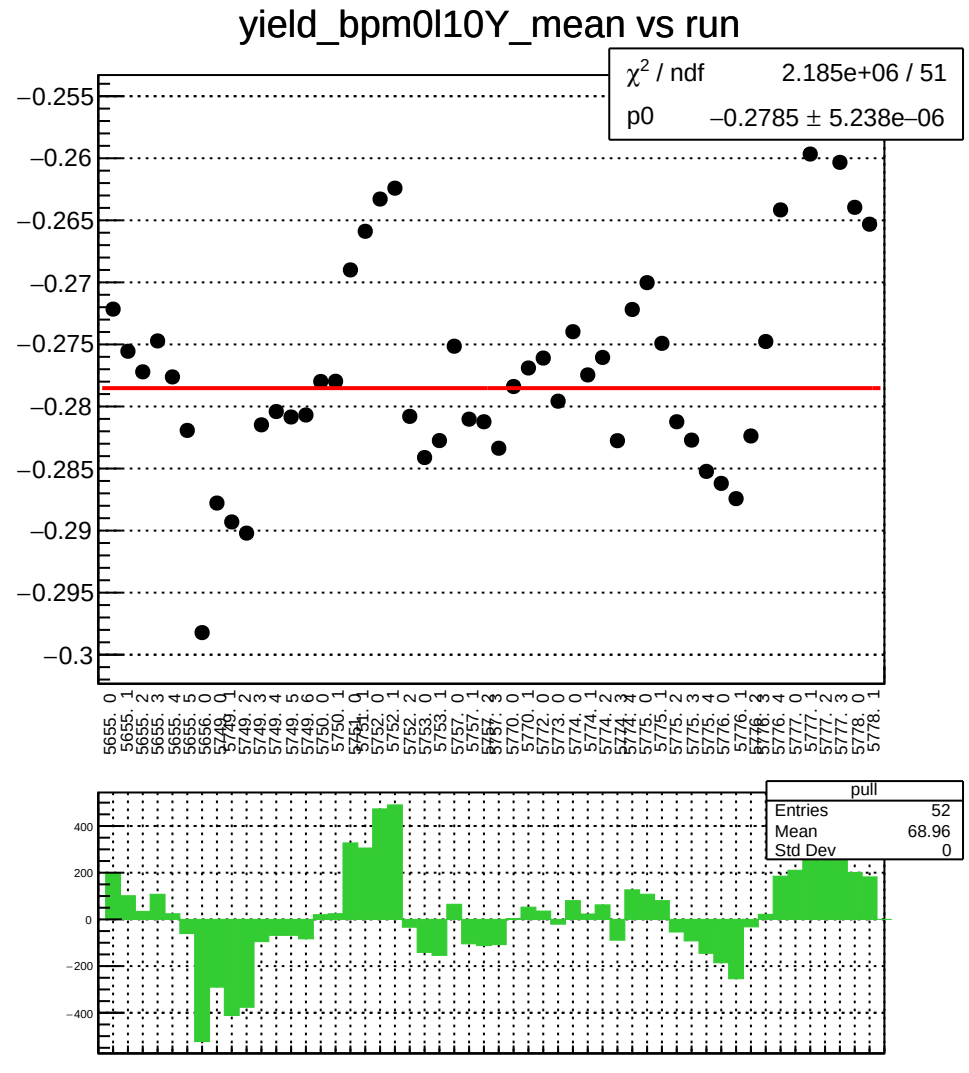
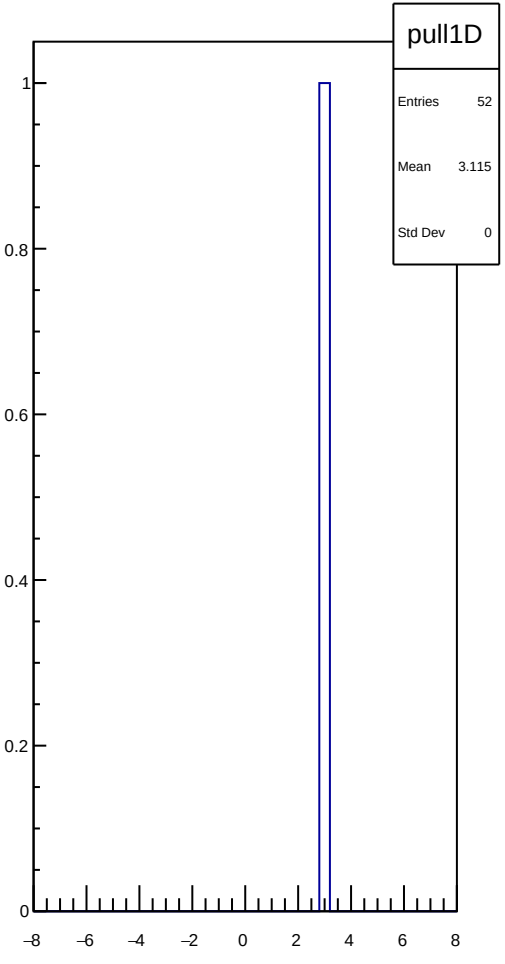
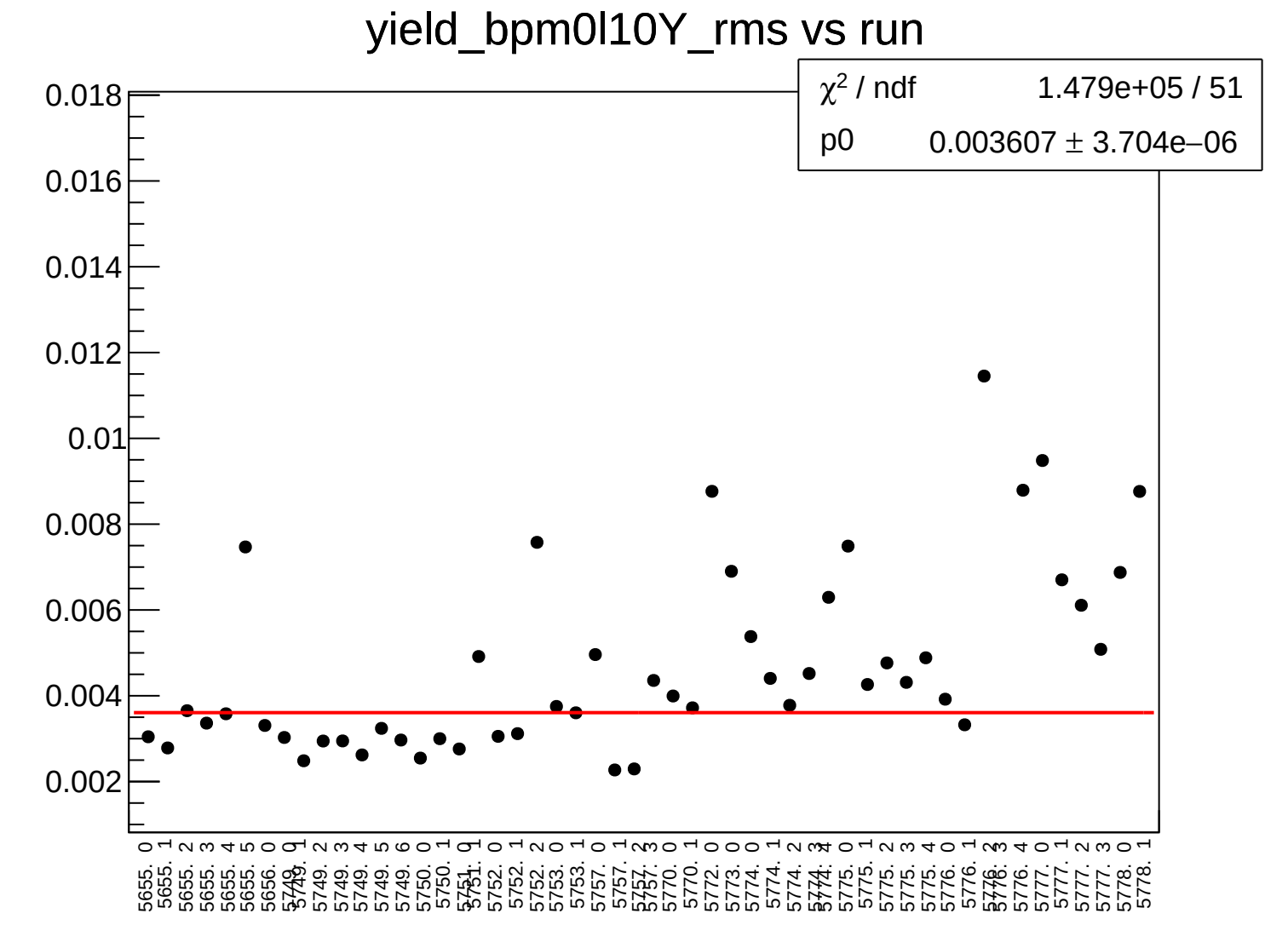
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


yield_bpm0l10Y_mean vs run
χ² / ndf 2.185e+06 / 51
p0 −0.2785 ± 5.238e−06
pull
Entries 52
Mean 68.96
Std Dev 0


pull1D
Entries 52
Mean 3.115
Std Dev 0


yield_bpm0l10Y_rms vs run
χ² / ndf 1.479e+05 / 51
p0 0.003607 ± 3.704e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
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5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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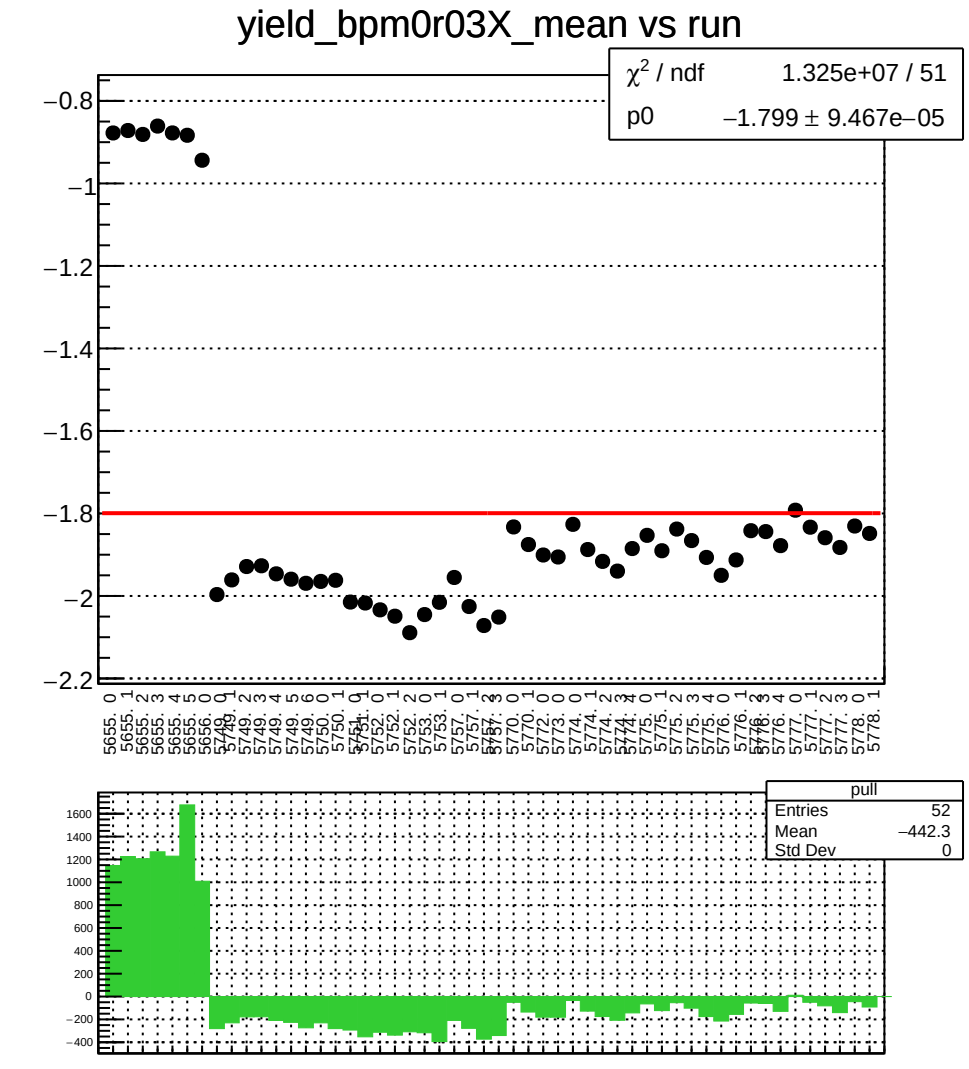
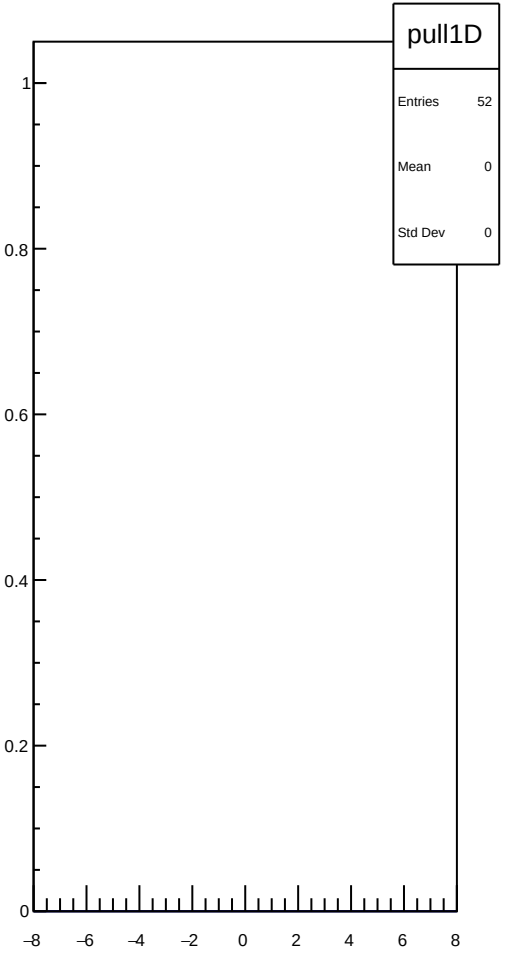
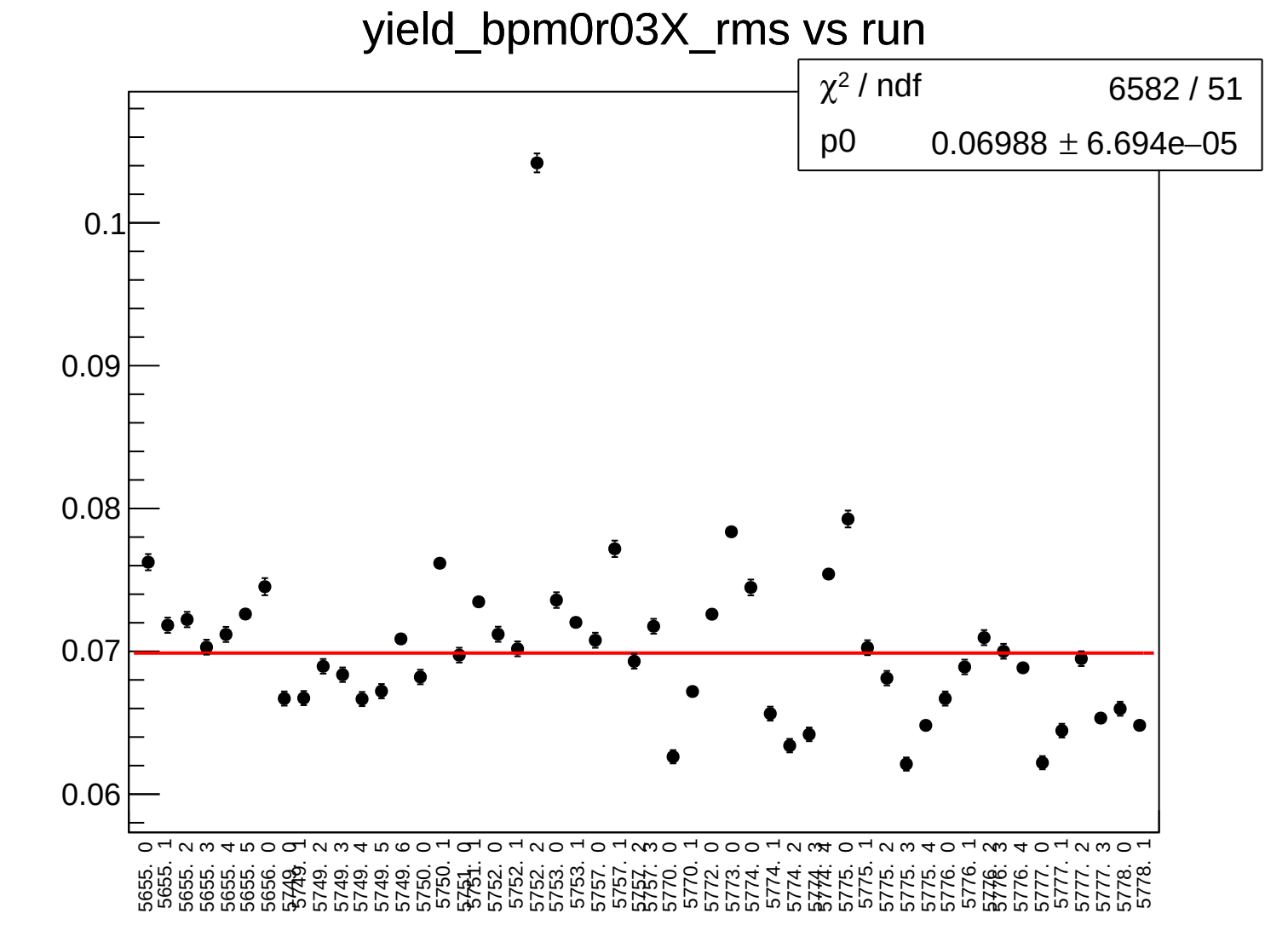
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


yield_bpm0r03X_mean vs run
χ² / ndf 1.325e+07 / 51
p0 −1.799 ± 9.467e−05
pull
Entries 52
Mean −442.3
Std Dev 0


pull1D
Entries 52
Mean 0
Std Dev 0


yield_bpm0r03X_rms vs run
χ² / ndf 6582 / 51
p0 0.06988 ± 6.694e–05
0.1
0.09
0.08
0.07
0.06
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
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5777. 2
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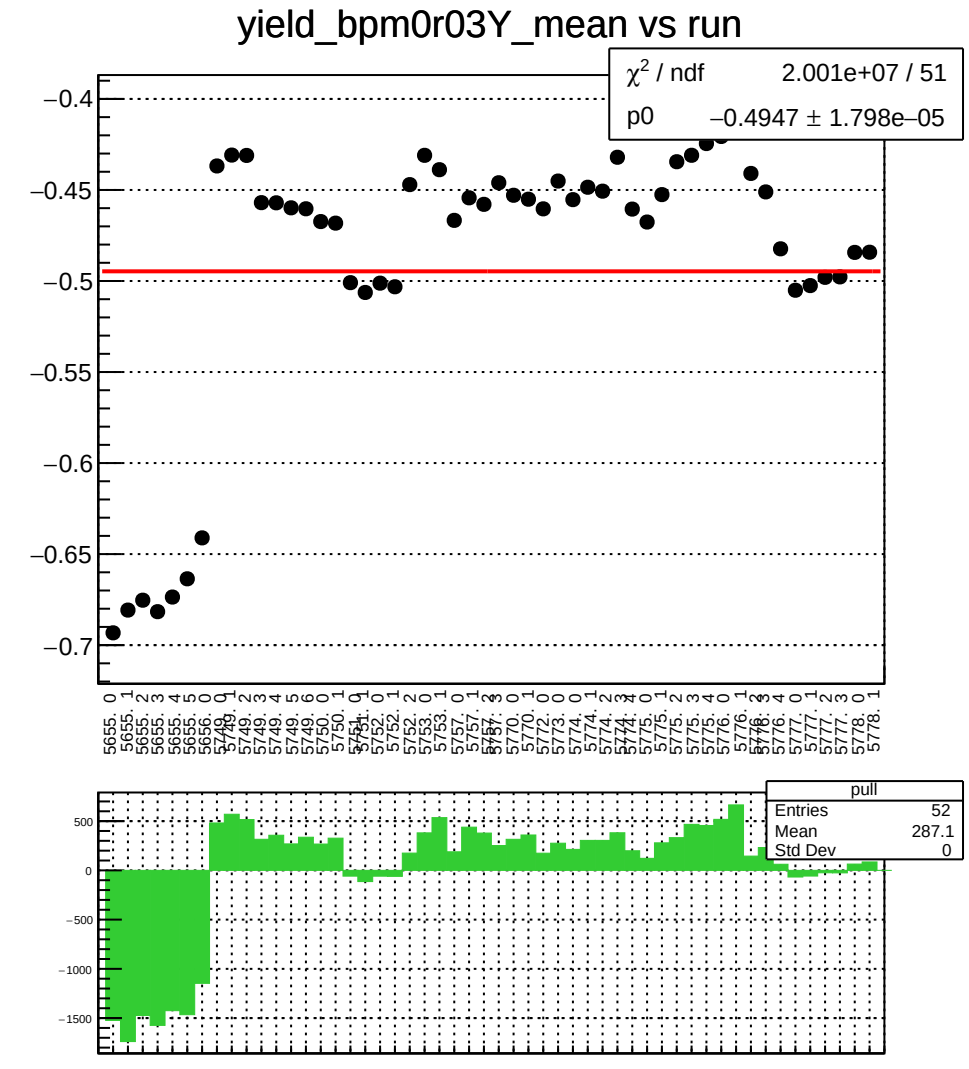
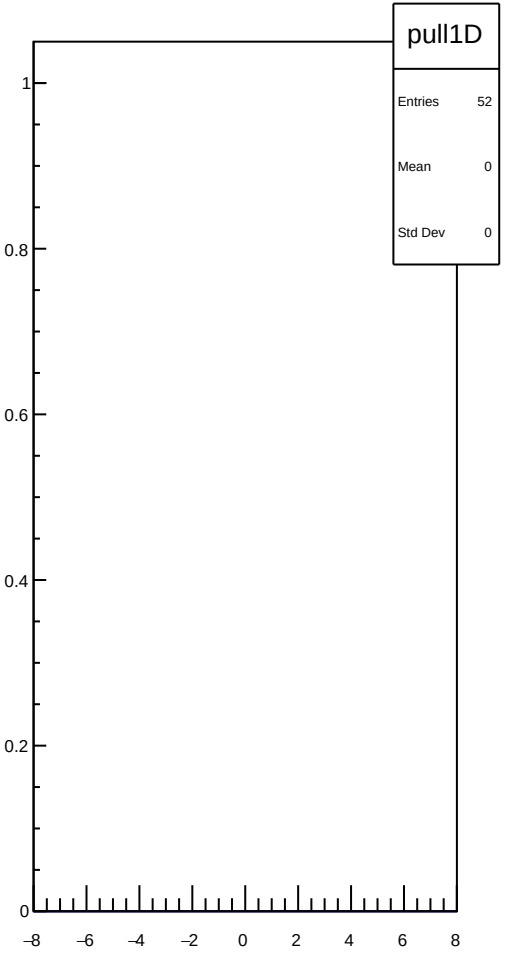
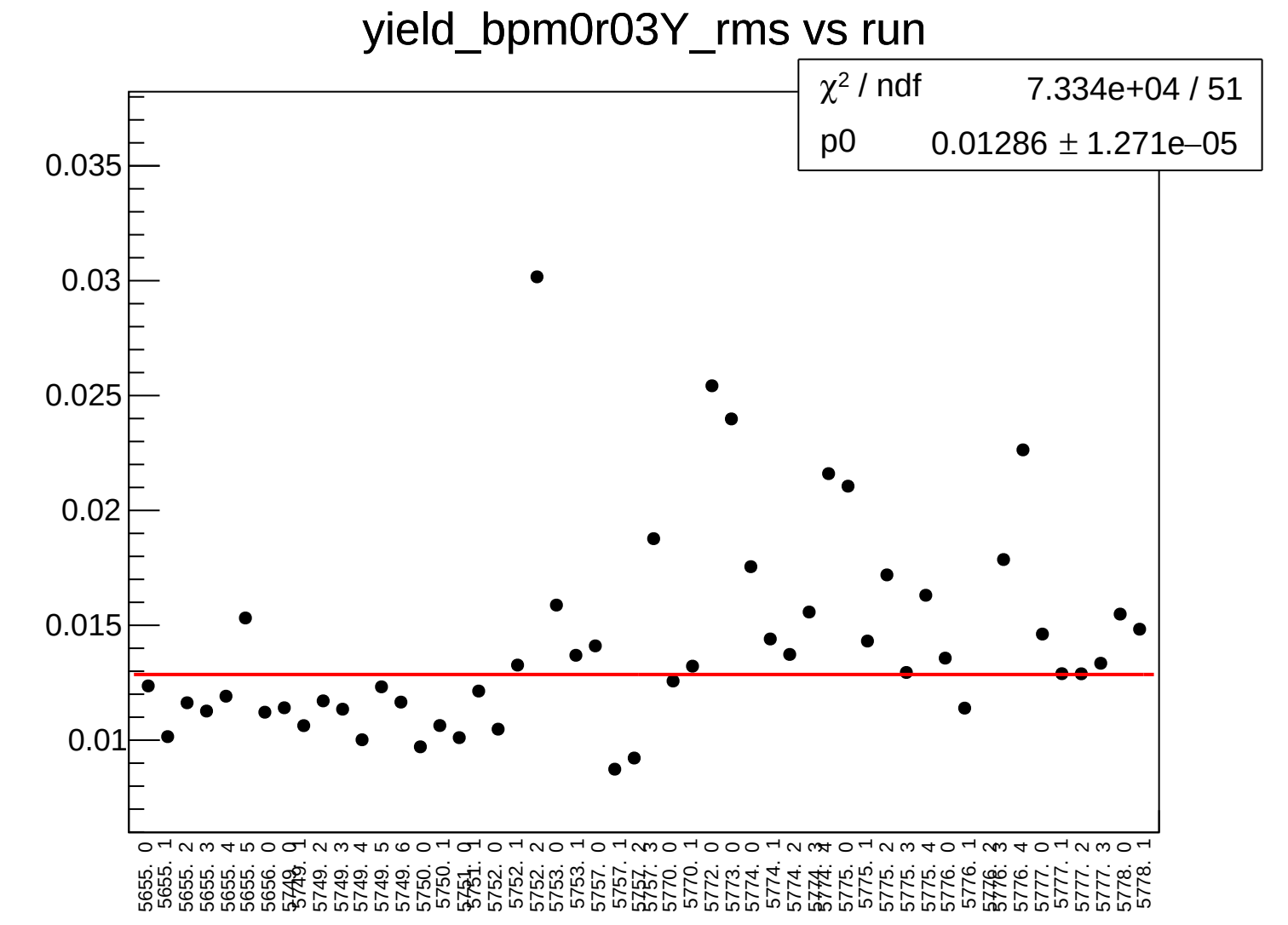
5778. 1


yield_bpm0r03Y_mean vs run
χ² / ndf 2.001e+07 / 51
p0 −0.4947 ± 1.798e−05
pull
Entries 52
Mean 287.1
Std Dev 0


pull1D
Entries 52
Mean 0
Std Dev 0


yield_bpm0r03Y_rms vs run
χ² / ndf 7.334e+04 / 51
p0 0.01286 ± 1.271e–05
0.035
0.03
0.025
0.02
0.015
0.01
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
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5775. 1
5775. 2
5775. 3
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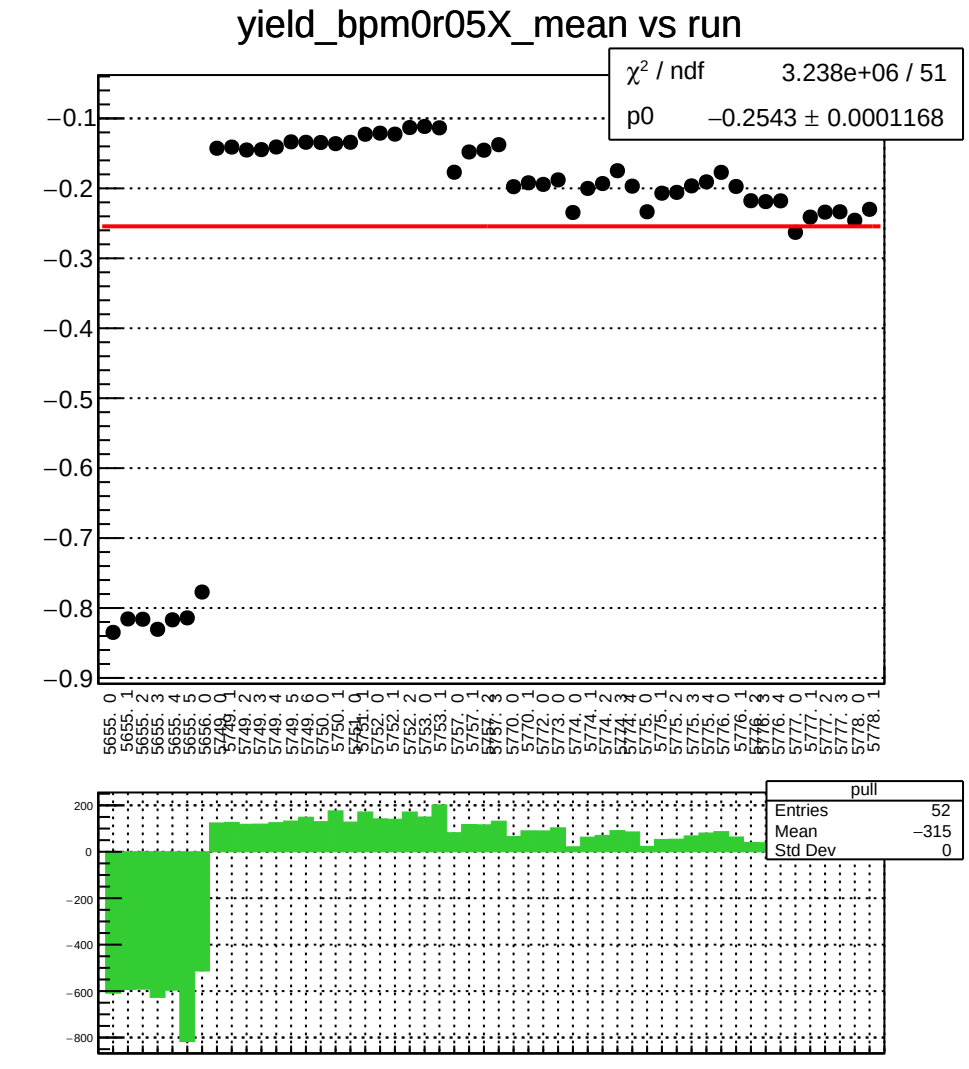
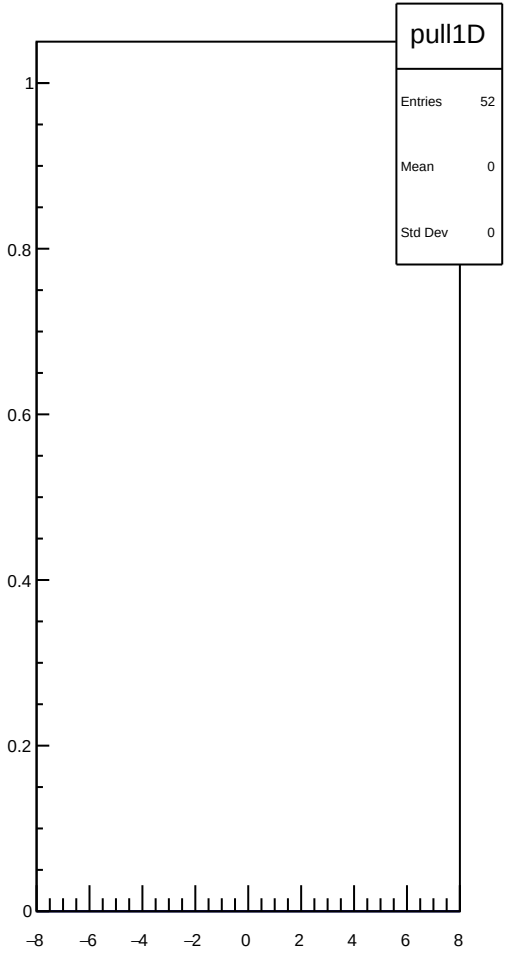
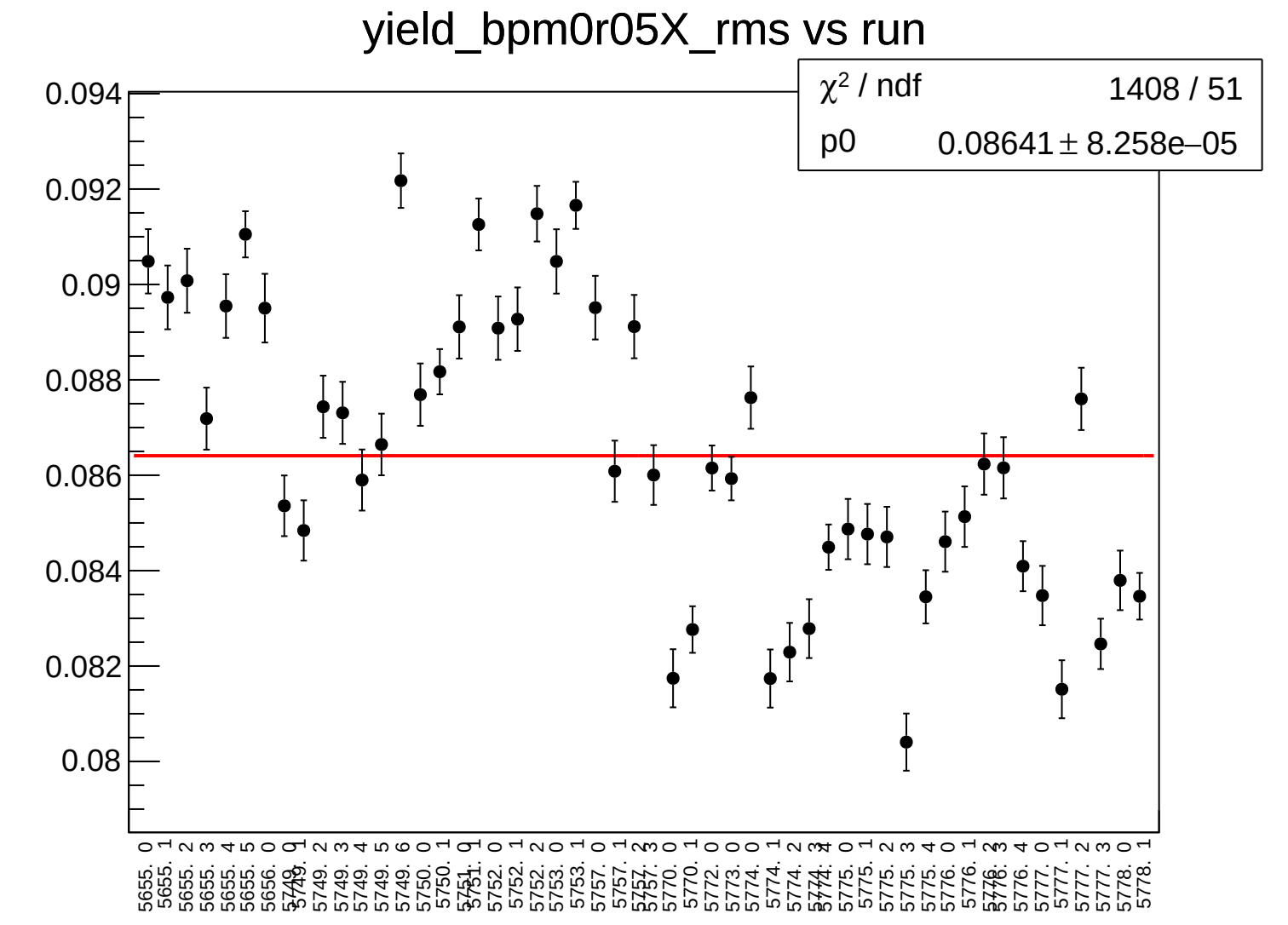

yield_bpm0r05X_mean vs run
χ² / ndf 3.238e+06 / 51
p0 −0.2543 ± 0.0001168
pull
Entries 52
Mean −315
Std Dev 0


pull1D
Entries 52
Mean 0
Std Dev 0


yield_bpm0r05X_rms vs run
χ² / ndf 1408 / 51
p0 0.08641 ± 8.258e–05
0.094
0.092
0.09
0.088
0.086
0.084
0.082
0.08
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5750. 1
5751. 0
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5752. 0
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5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
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5776. 3
5776. 4
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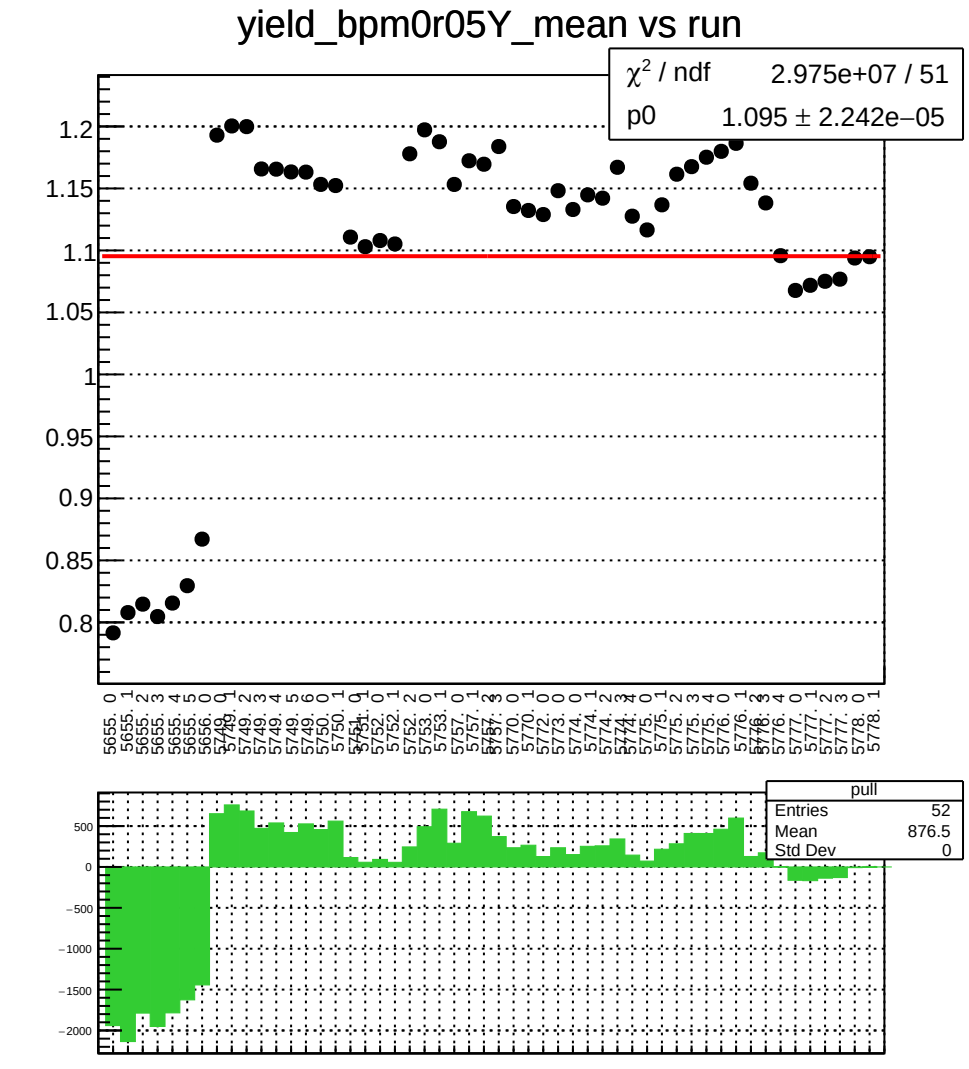
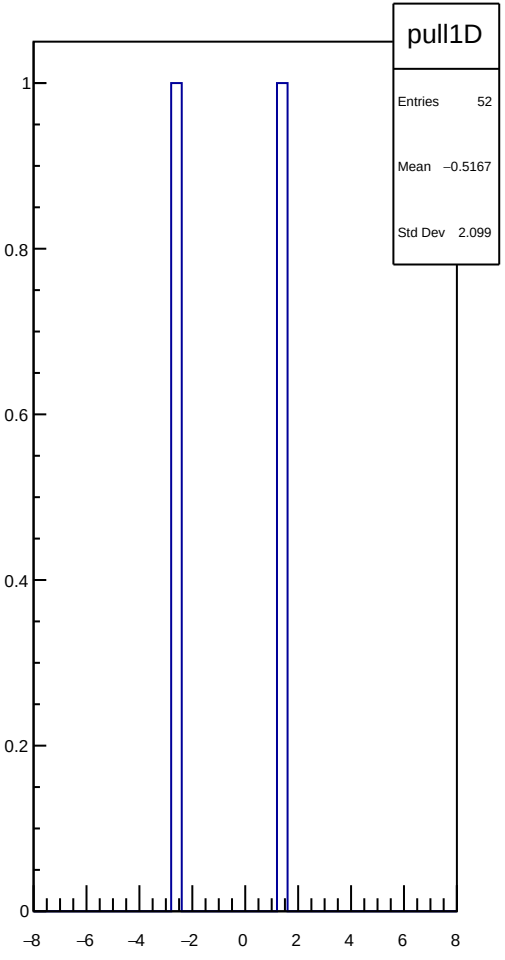
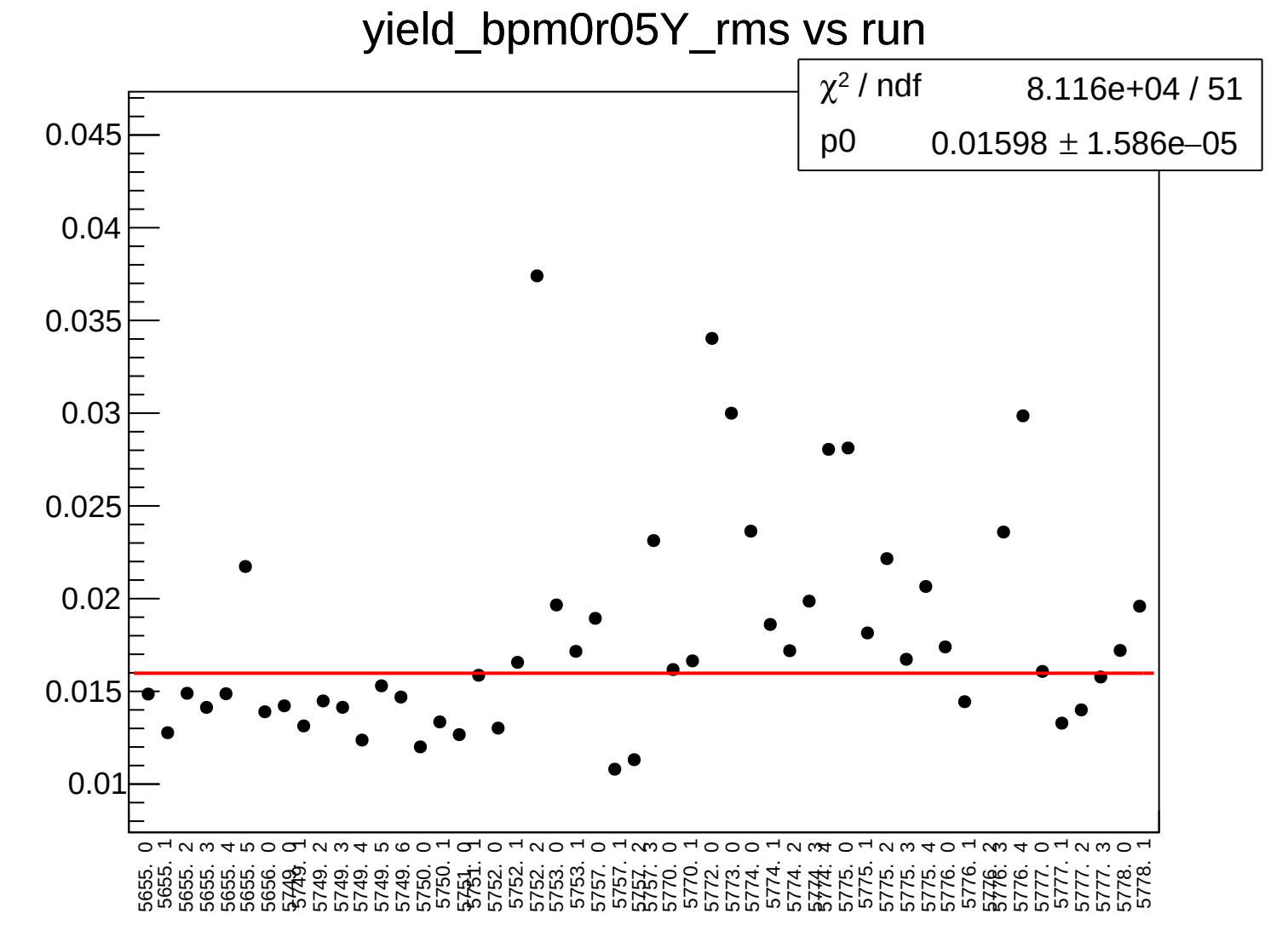
5777. 2
5777. 3
5778. 0
5778. 1


yield_bpm0r05Y_mean vs run
χ² / ndf 2.975e+07 / 51
p0 1.095 ± 2.242e−05
pull
Entries 52
Mean 876.5
Std Dev 0


pull1D
Entries 52
Mean −0.5167
Std Dev 2.099


yield_bpm0r05Y_rms vs run
χ² / ndf 8.116e+04 / 51
p0 0.01598 ± 1.586e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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5757. 3
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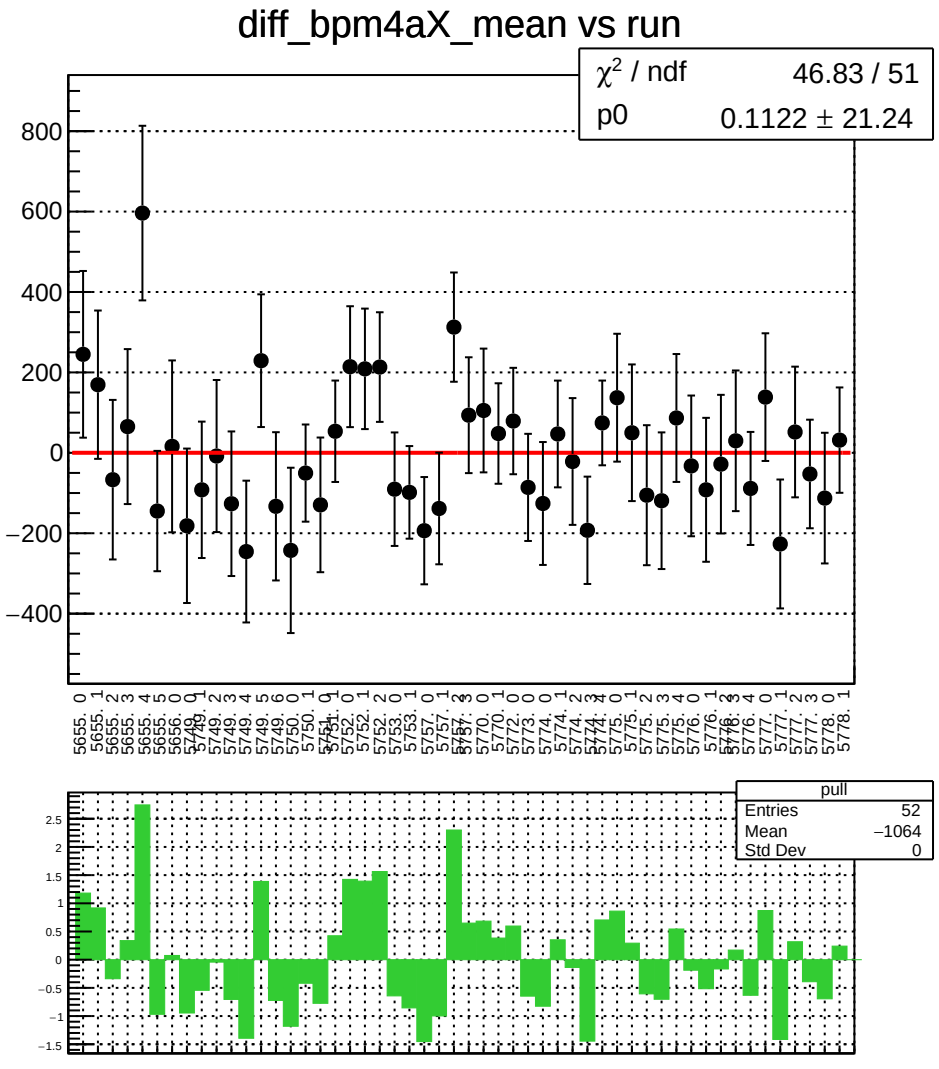
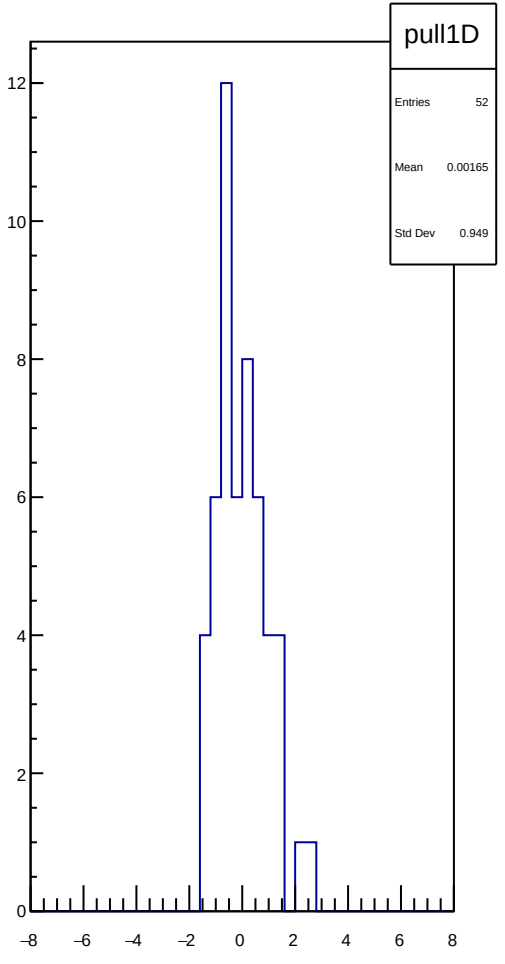
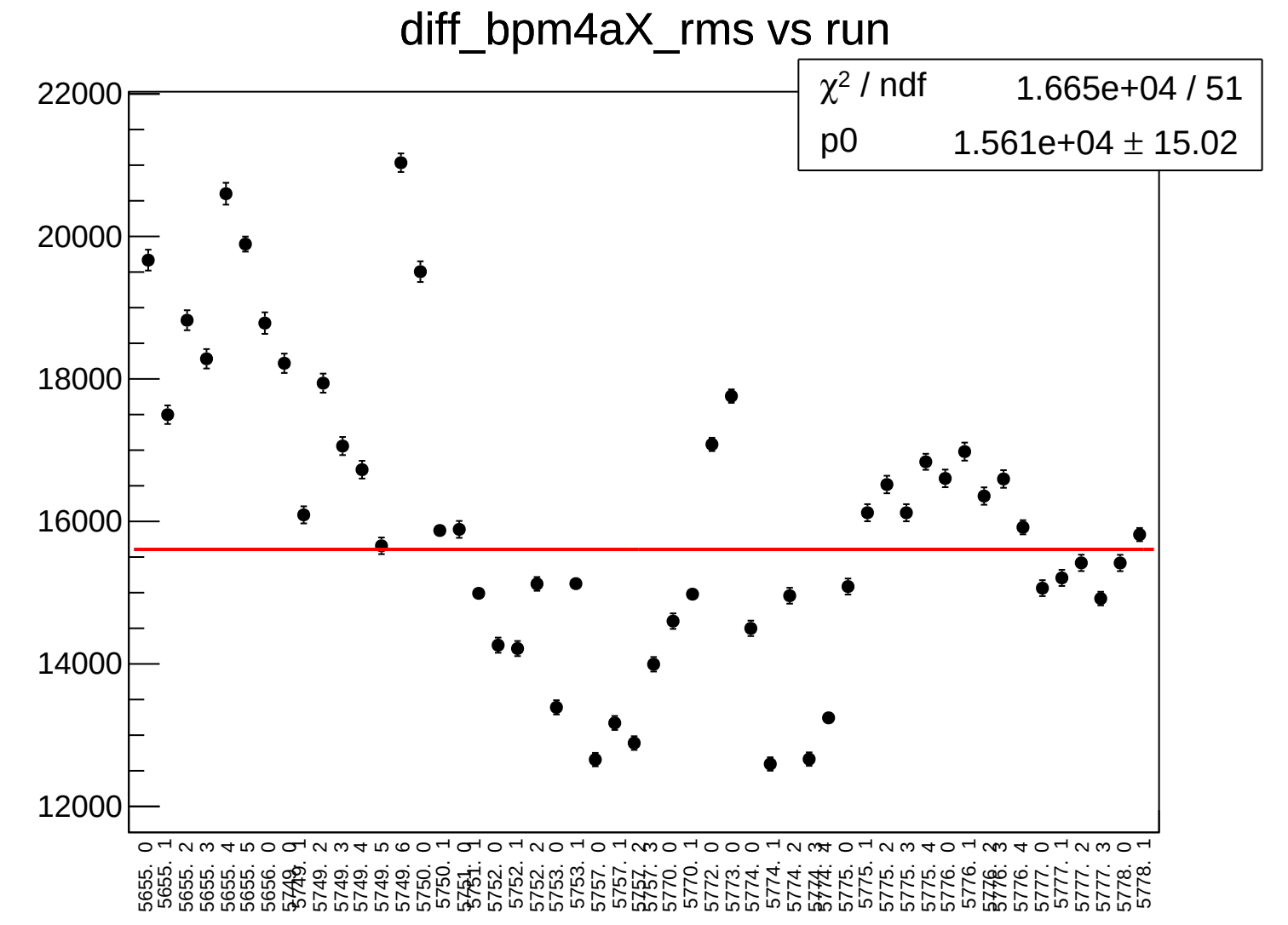
5777. 2
5777. 3
5778. 0
5778. 1


diff_bpm4aX_mean vs run
χ² / ndf 46.83 / 51
p0 0.1122 ± 21.24
pull
Entries 52
Mean −1064
Std Dev 0


pull1D
Entries 52
Mean 0.00165
Std Dev 0.949


diff_bpm4aX_rms vs run
χ² / ndf 1.665e+04 / 51
p0 1.561e+04 ± 15.02
22000
20000
18000
16000
14000
12000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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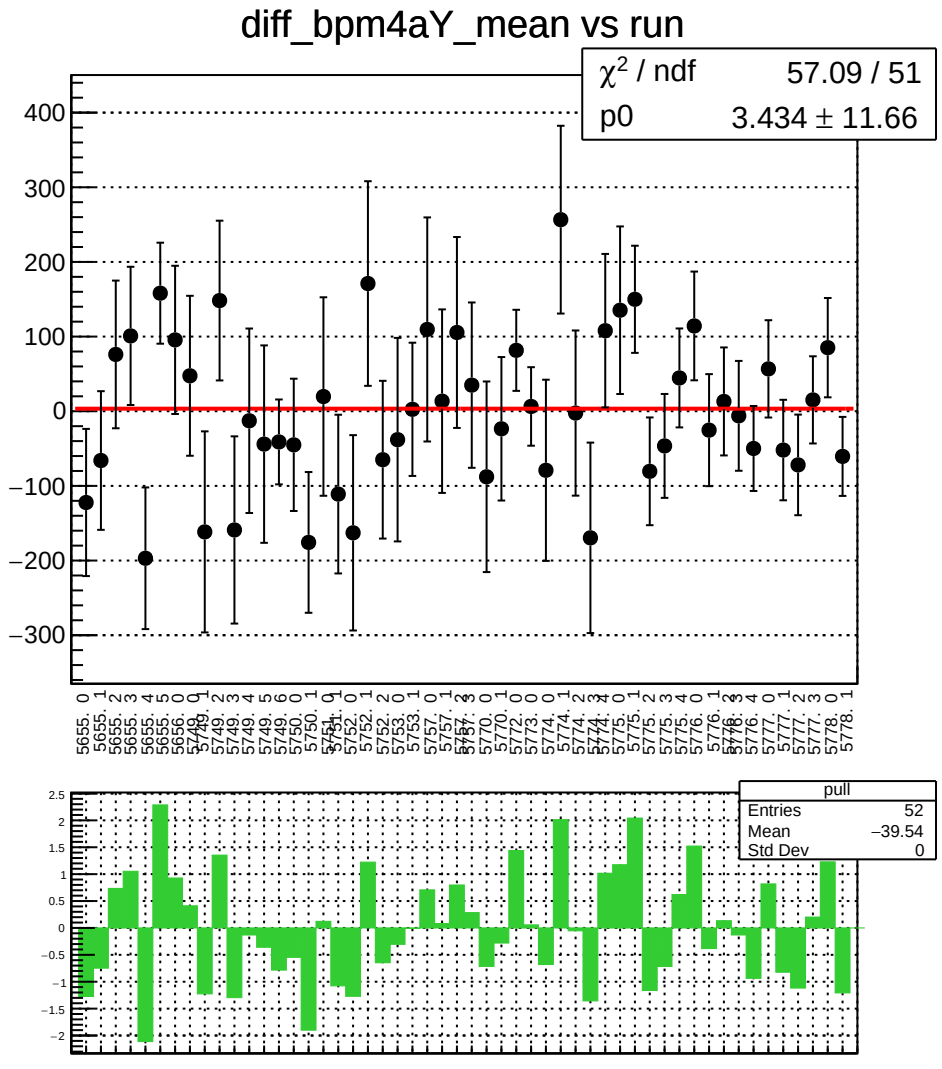
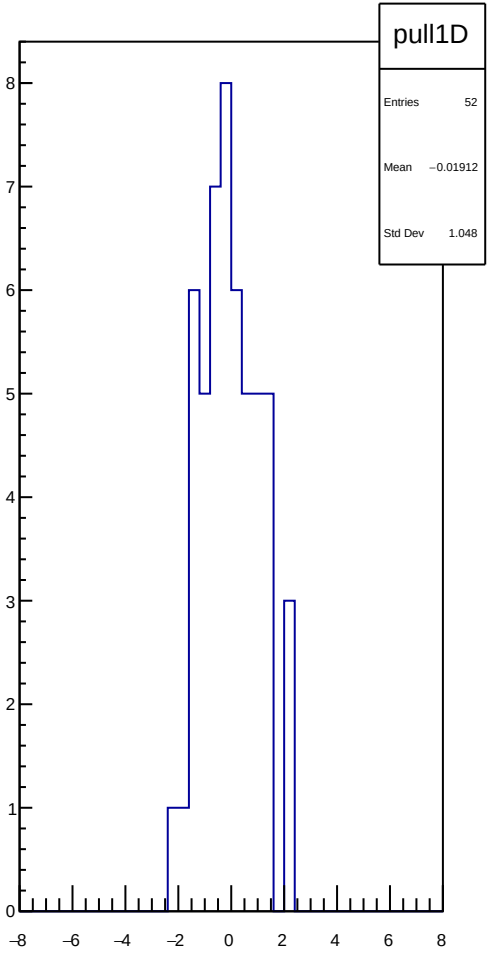
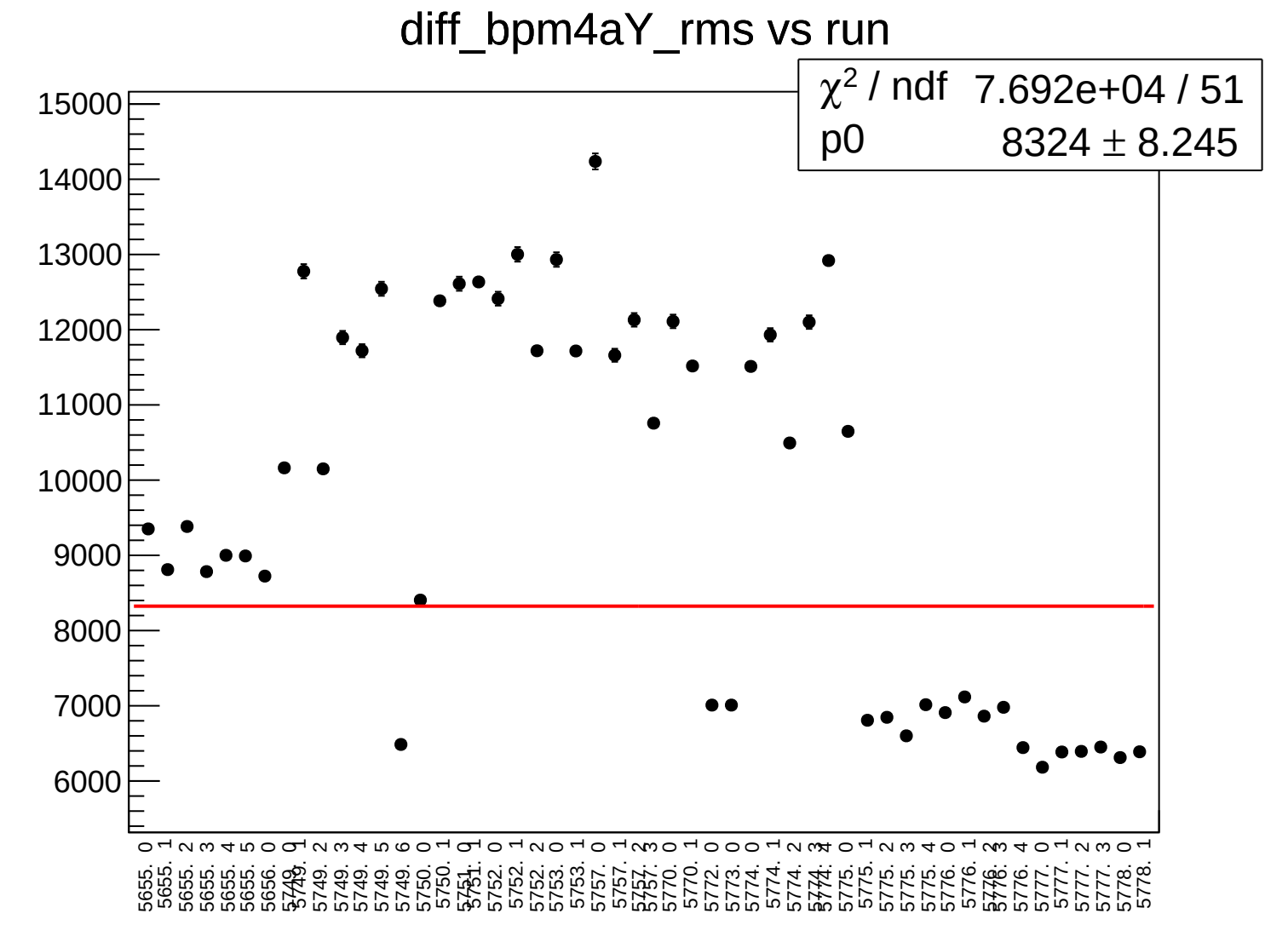
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


diff_bpm4aY_mean vs run
χ² / ndf 57.09 / 51
p0 3.434 ± 11.66
pull
Entries 52
Mean −39.54
Std Dev 0


pull1D
Entries 52
Mean −0.01912
Std Dev 1.048


diff_bpm4aY_rms vs run
χ² / ndf 7.692e+04 / 51
p0 8324 ± 8.245
15000
14000
13000
12000
11000
10000
9000
8000
7000
6000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
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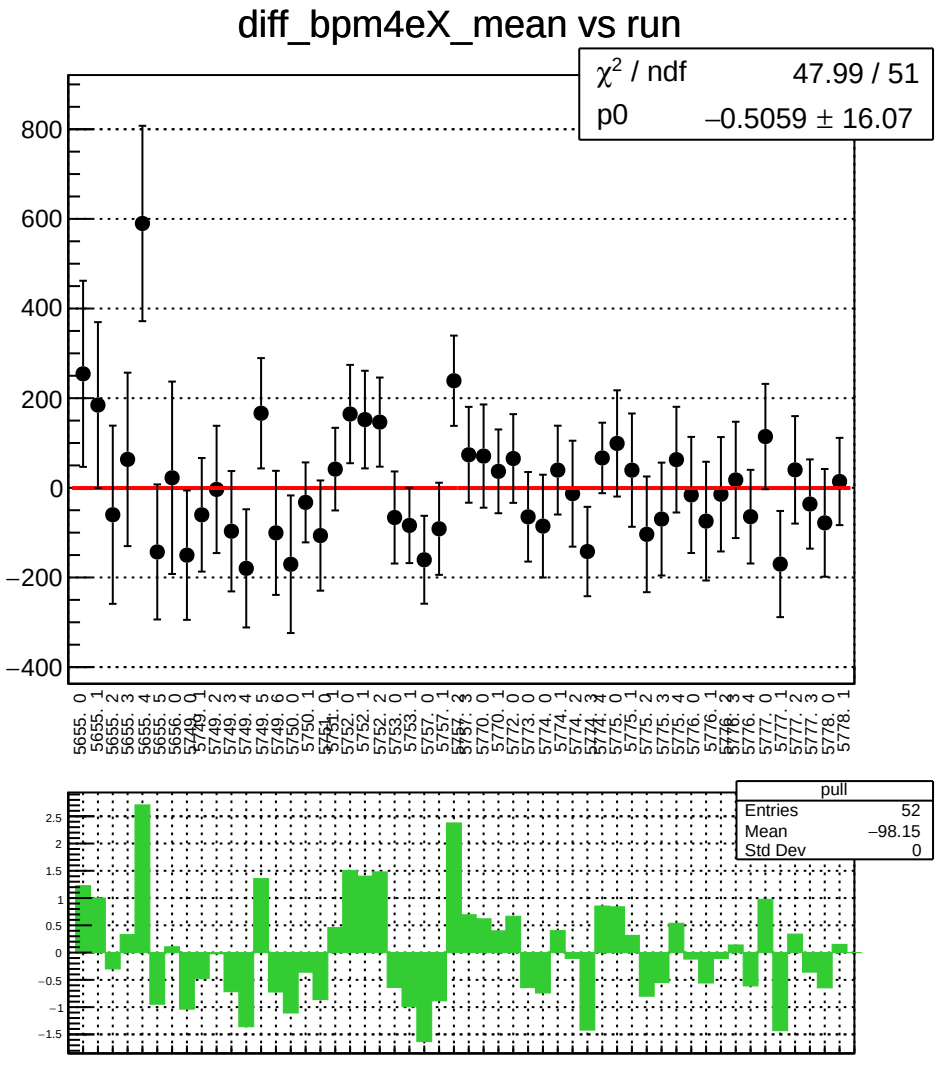
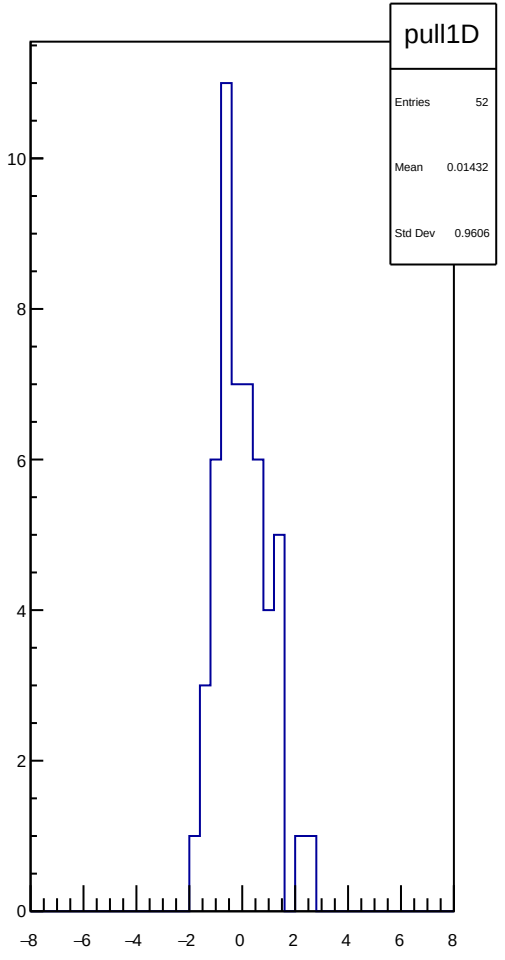
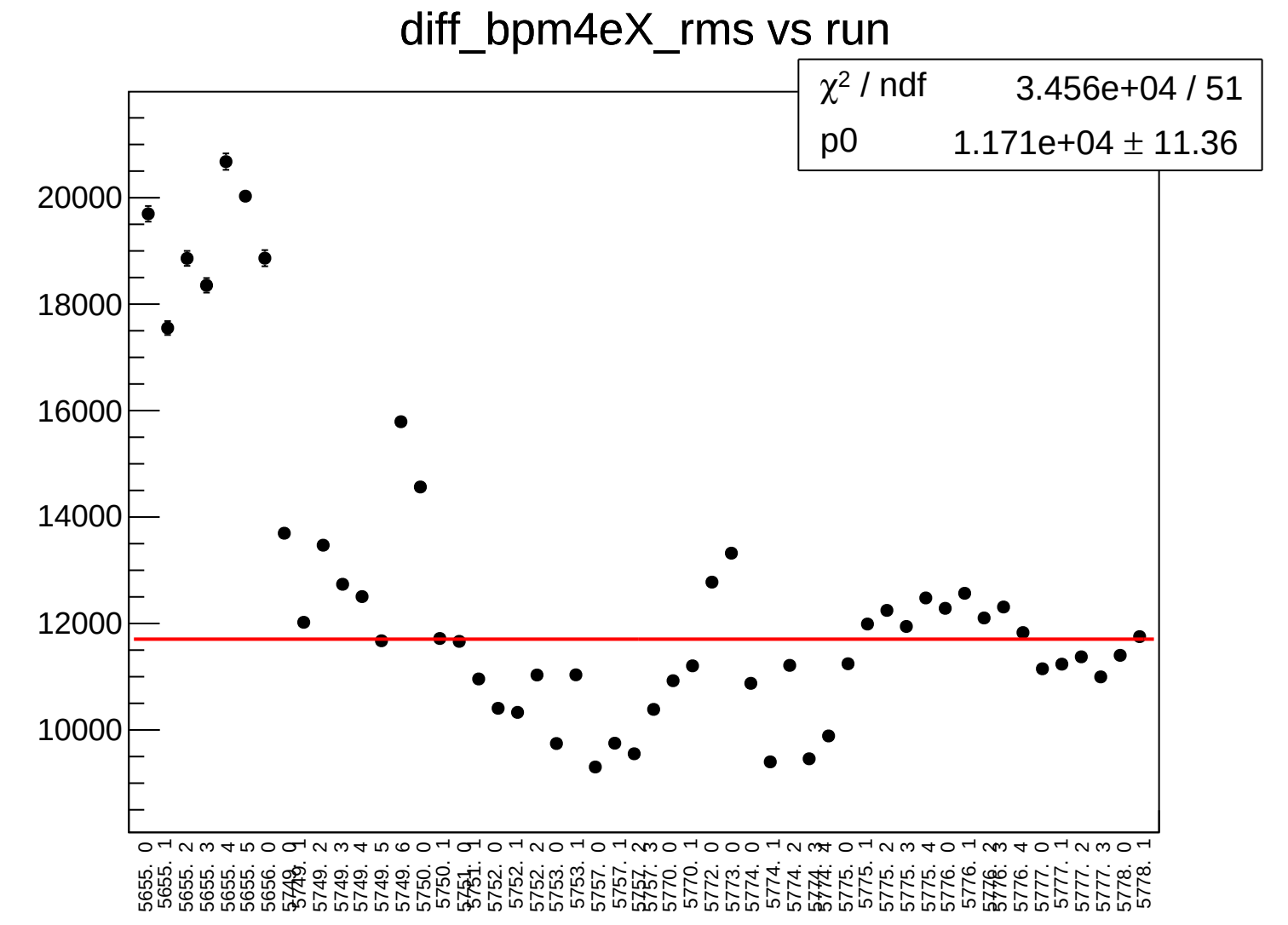
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


diff_bpm4eX_mean vs run
χ² / ndf 47.99 / 51
p0 −0.5059 ± 16.07
800
600
400
200
0
−200
−400
pull
Entries 52
Mean −98.15
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 52
Mean 0.01432
Std Dev 0.9606
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm4eX_rms vs run
χ² / ndf 3.456e+04 / 51
p0 1.171e+04 ± 11.36
20000
18000
16000
14000
12000
10000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5751. 1
5752. 0
5752. 1
5752. 2
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5753. 1
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5757. 2
5757. 3
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5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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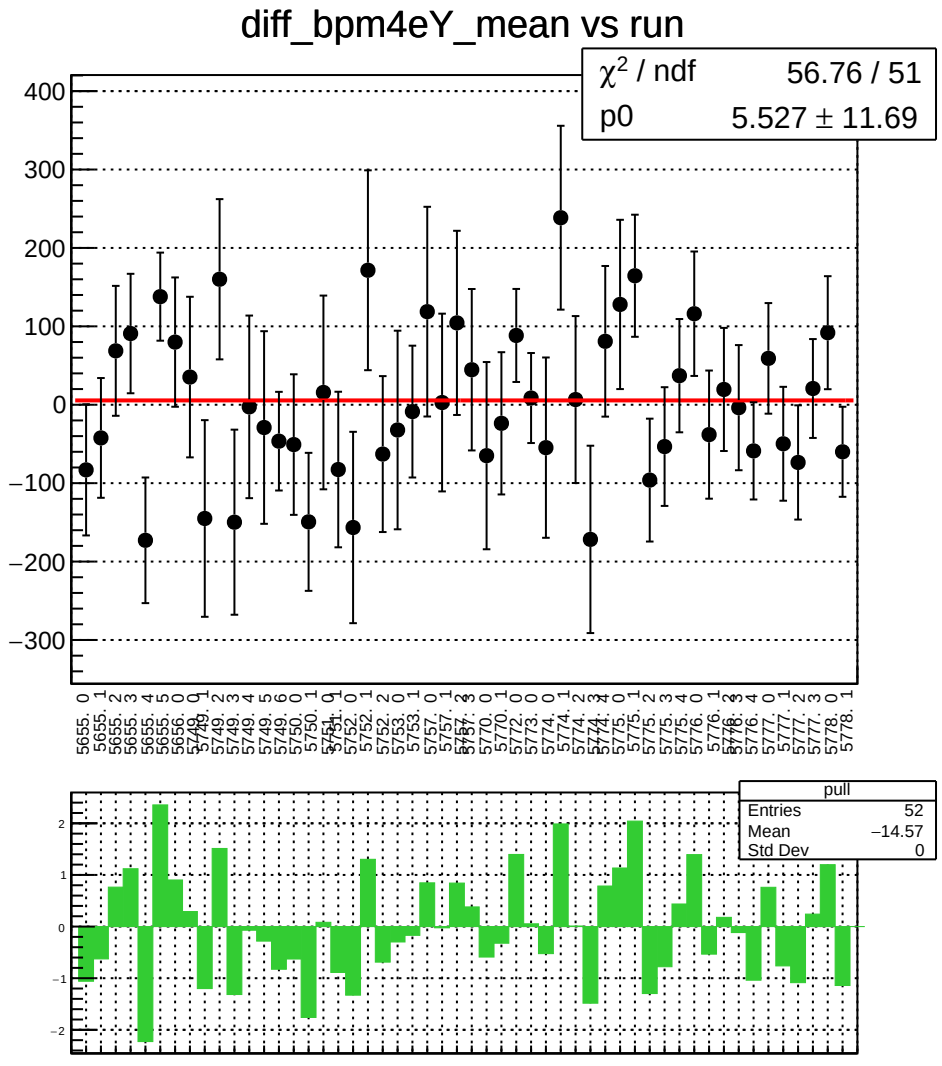
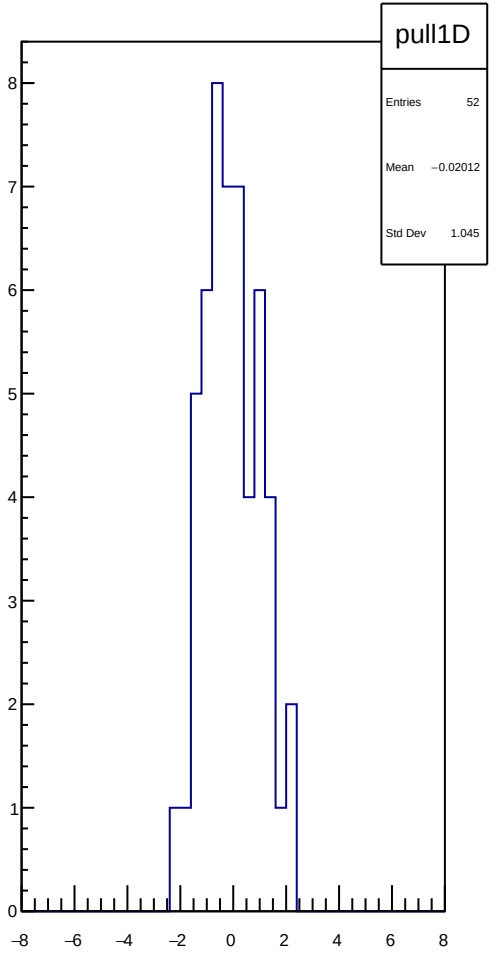
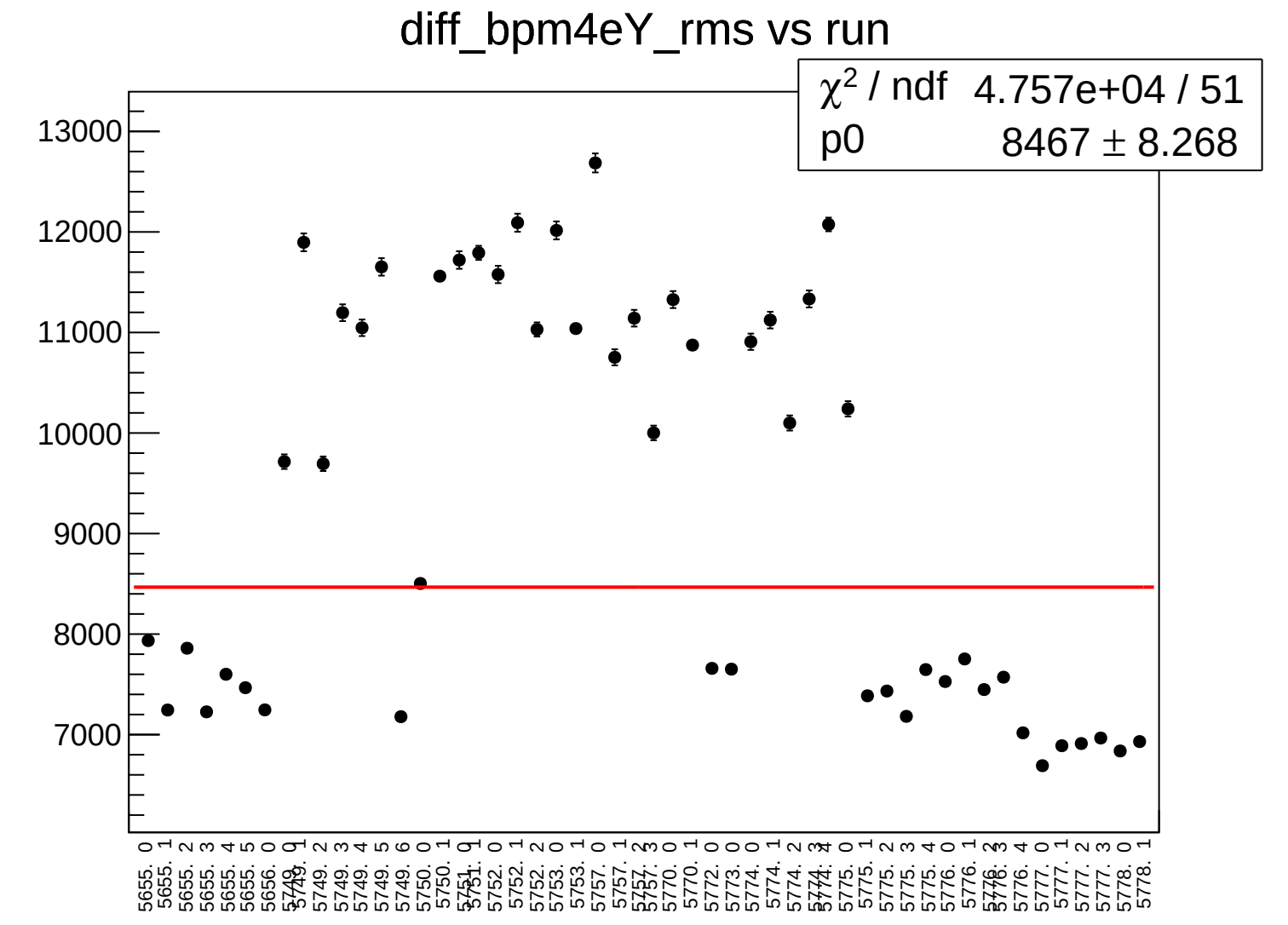
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


diff_bpm4eY_mean vs run
χ² / ndf 56.76 / 51
p0 5.527 ± 11.69
pull
Entries 52
Mean −14.57
Std Dev 0


pull1D
Entries 52
Mean −0.02012
Std Dev 1.045


diff_bpm4eY_rms vs run
χ² / ndf 4.757e+04 / 51
p0 8467 ± 8.268
13000
12000
11000
10000
9000
8000
7000
5655. 0
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5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
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5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5750. 1
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5751. 1
5752. 0
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5752. 2
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5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
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5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
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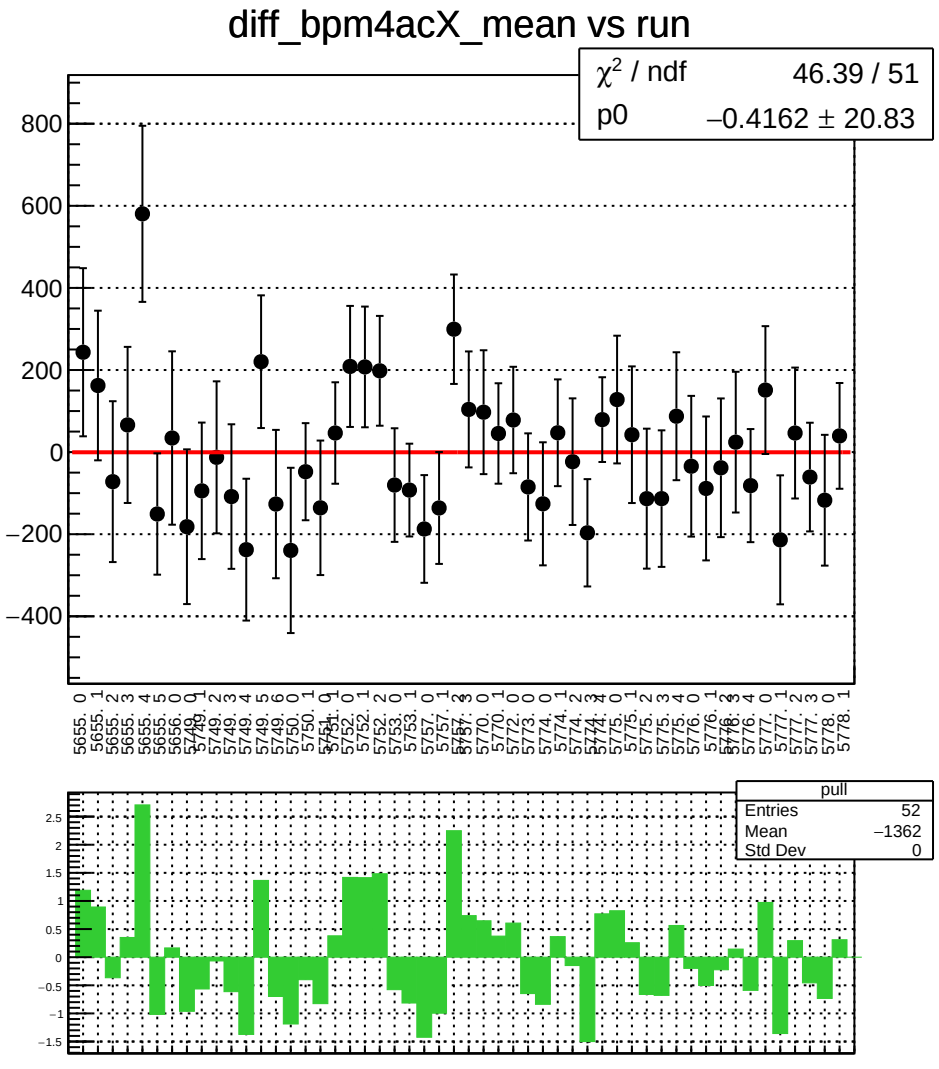
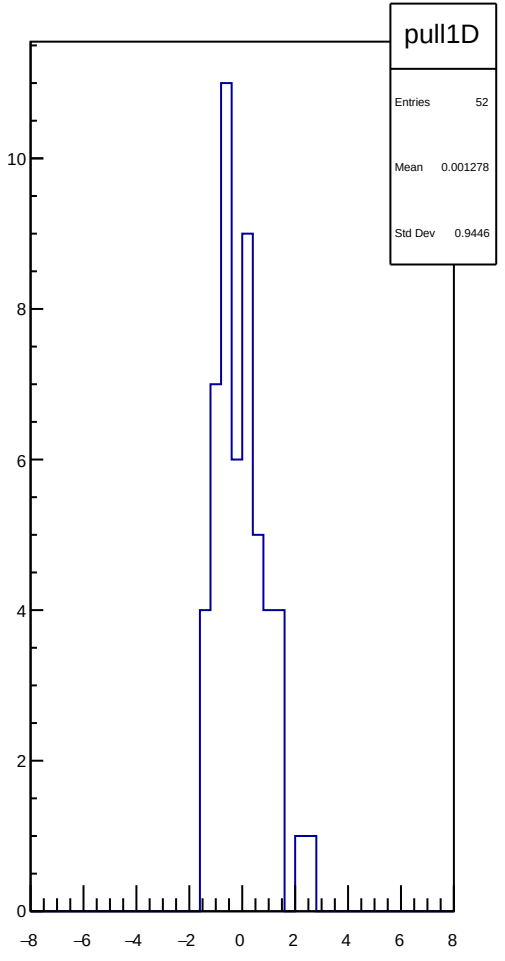
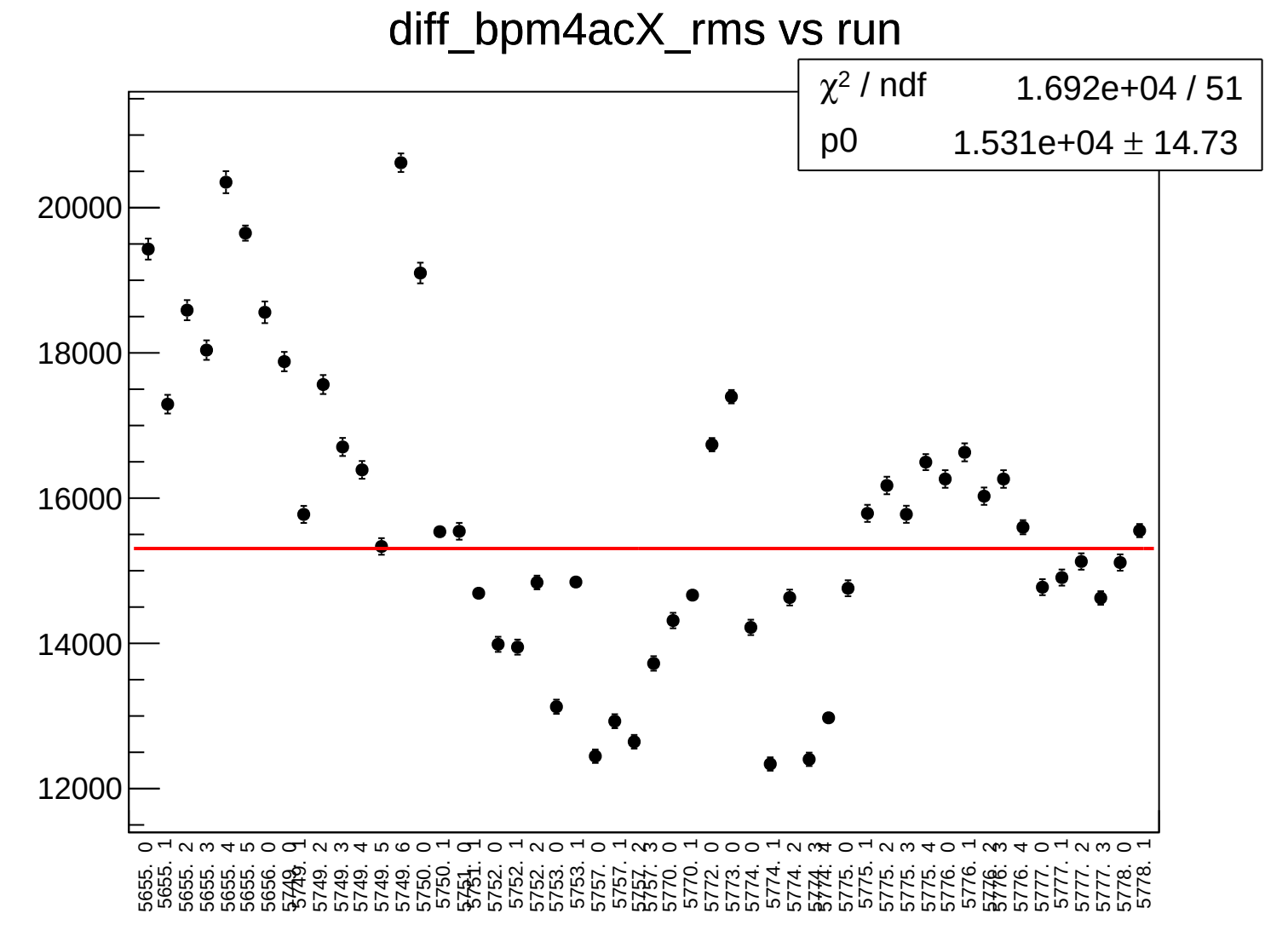
5777. 2
5777. 3
5778. 0
5778. 1


diff_bpm4acX_mean vs run
χ² / ndf 46.39 / 51
p0 −0.4162 ± 20.83
pull
Entries 52
Mean −1362
Std Dev 0


pull1D
Entries 52
Mean 0.001278
Std Dev 0.9446


diff_bpm4acX_rms vs run
χ² / ndf 1.692e+04 / 51
p0 1.531e+04 ± 14.73
20000
18000
16000
14000
12000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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5751. 1
5752. 0
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5775. 3
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5776. 0
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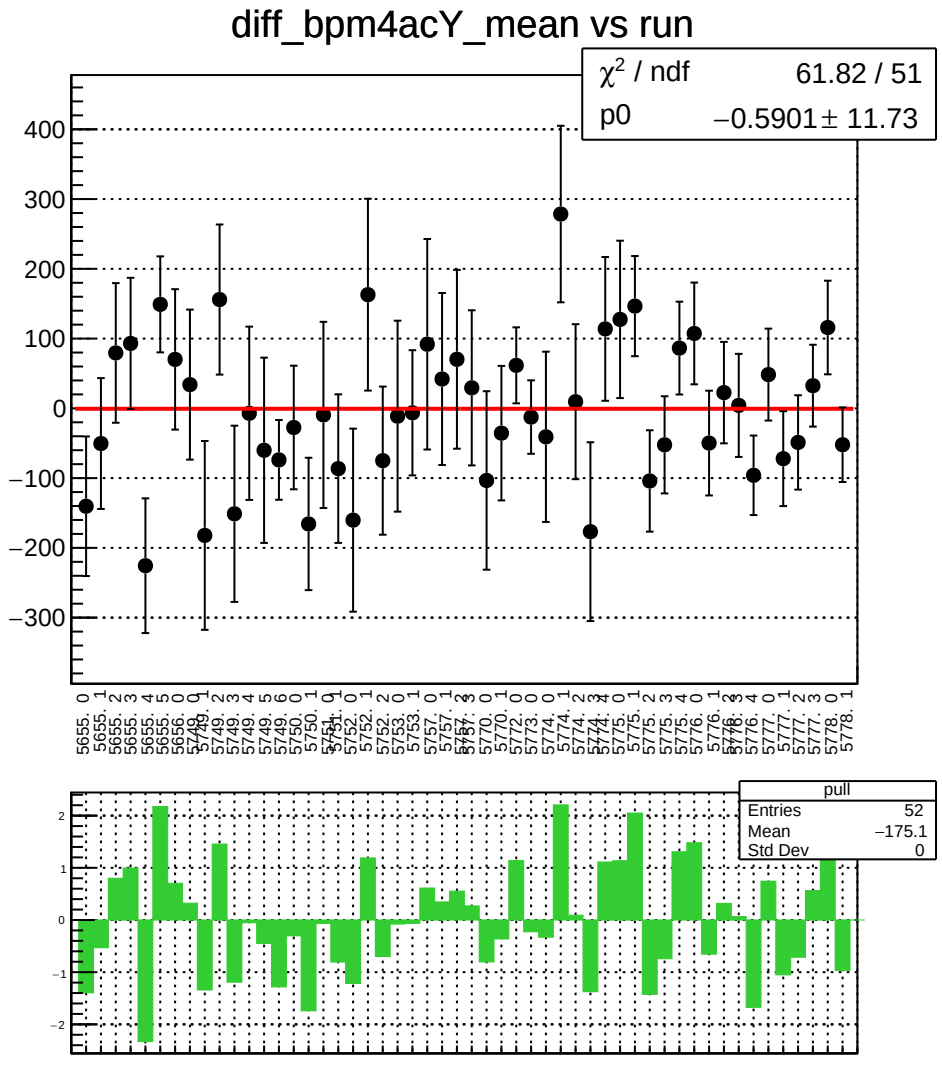
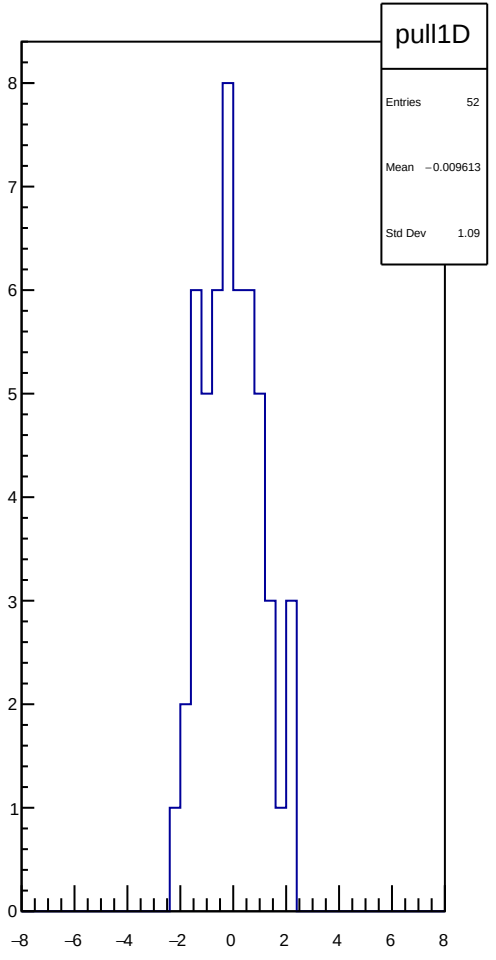
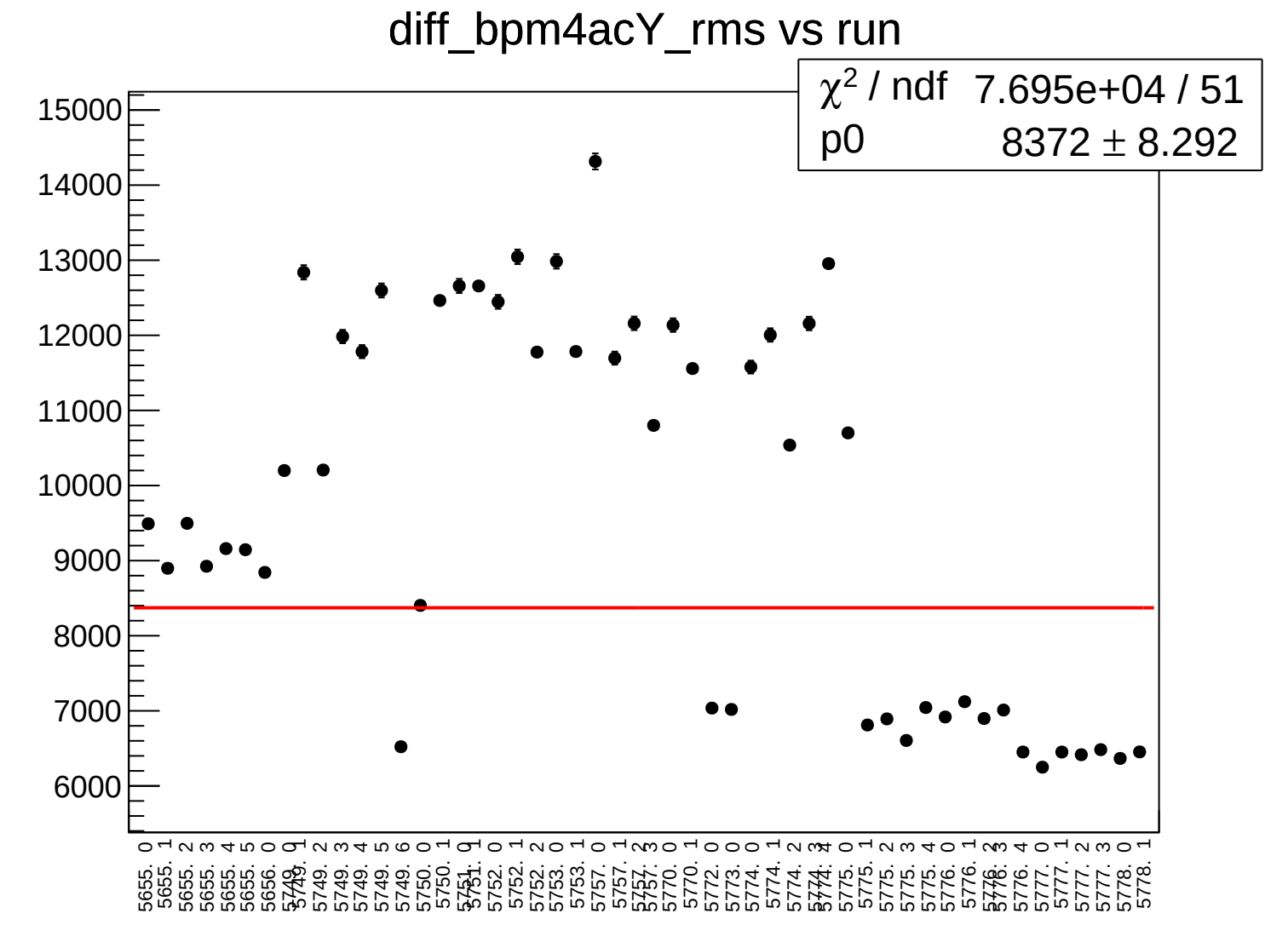
5777. 2
5777. 3
5778. 0
5778. 1


diff_bpm4acY_mean vs run
χ² / ndf 61.82 / 51
p0 −0.5901 ± 11.73
pull
Entries 52
Mean −175.1
Std Dev 0


pull1D
Entries 52
Mean −0.009613
Std Dev 1.09


diff_bpm4acY_rms vs run
χ² / ndf 7.695e+04 / 51
p0 8372 ± 8.292
15000
14000
13000
12000
11000
10000
9000
8000
7000
6000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5750. 1
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5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
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5775. 3
5775. 4
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5776. 1
5776. 4
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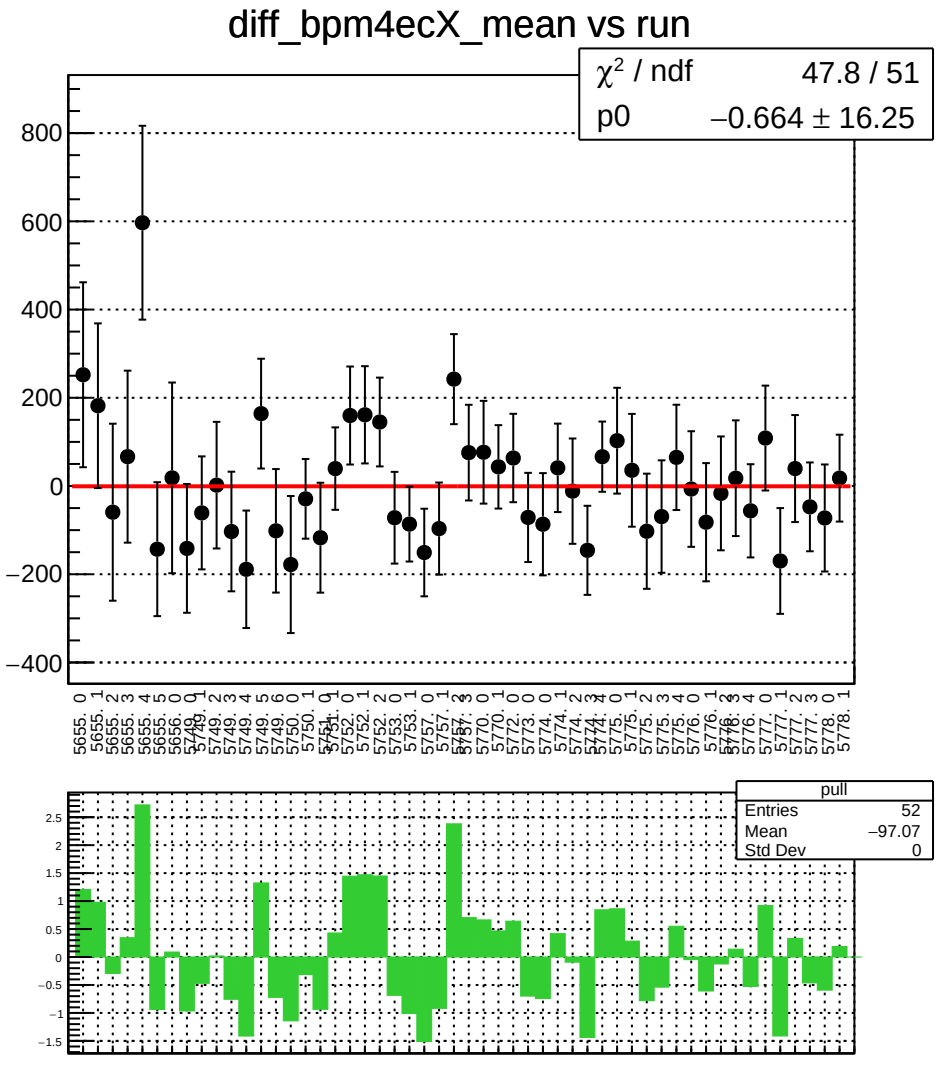
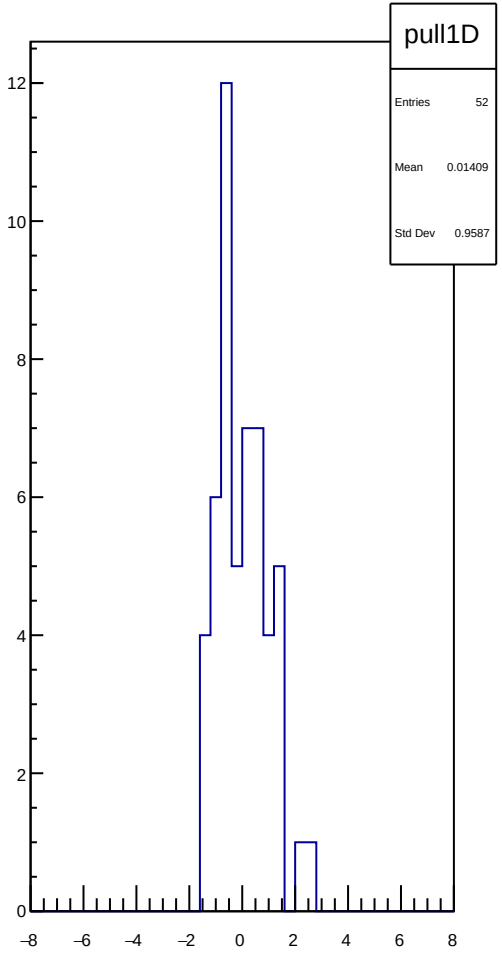
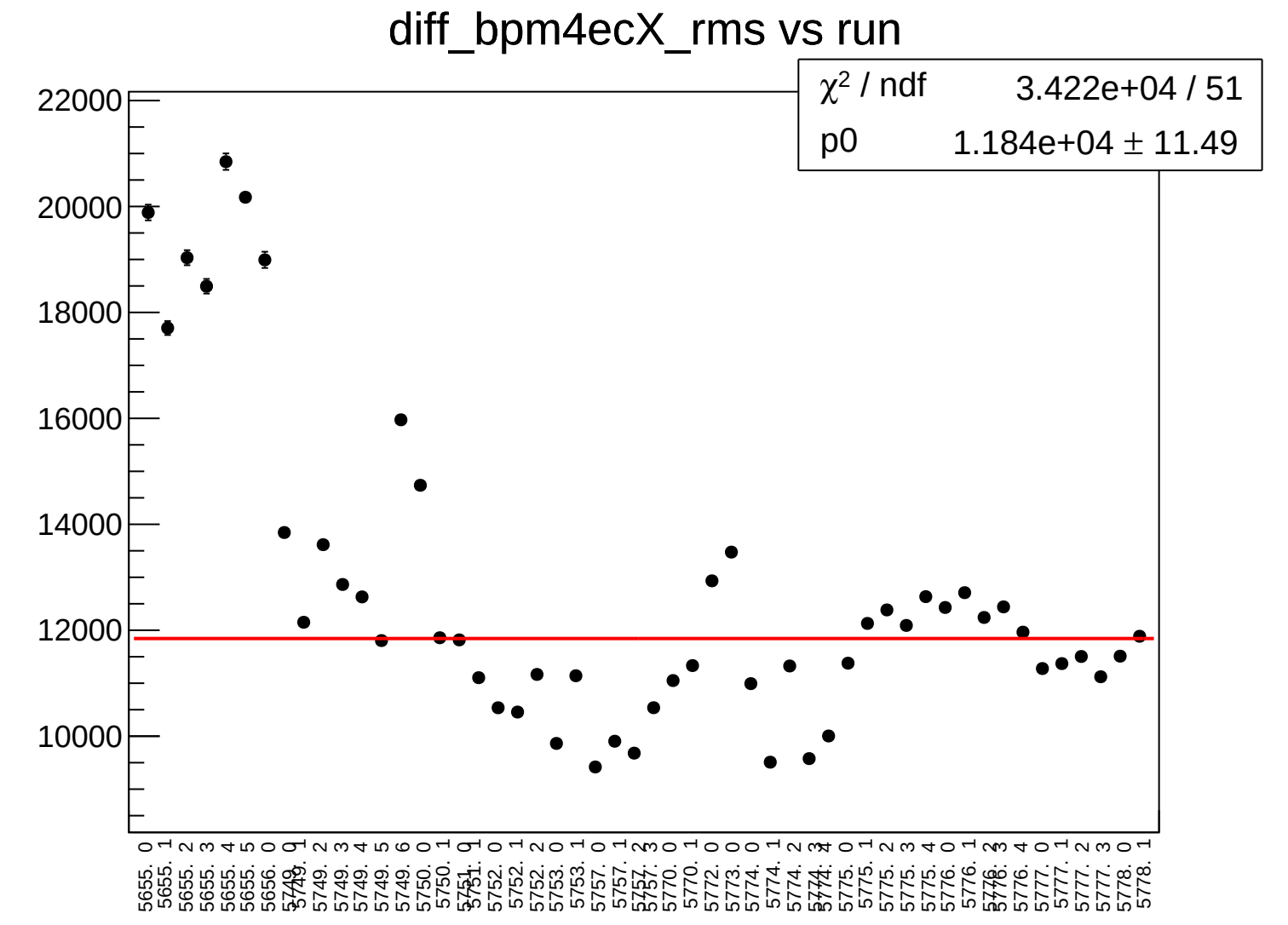
5777. 2
5777. 3
5778. 0
5778. 1


diff_bpm4ecX_mean vs run
χ² / ndf 47.8 / 51
p0 −0.664 ± 16.25
pull
Entries 52
Mean −97.07
Std Dev 0


pull1D
Entries 52
Mean 0.01409
Std Dev 0.9587


diff_bpm4ecX_rms vs run
χ² / ndf 3.422e+04 / 51
p0 1.184e+04 ± 11.49
22000
20000
18000
16000
14000
12000
10000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5752. 1
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5774. 1
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5774. 3
5774. 4
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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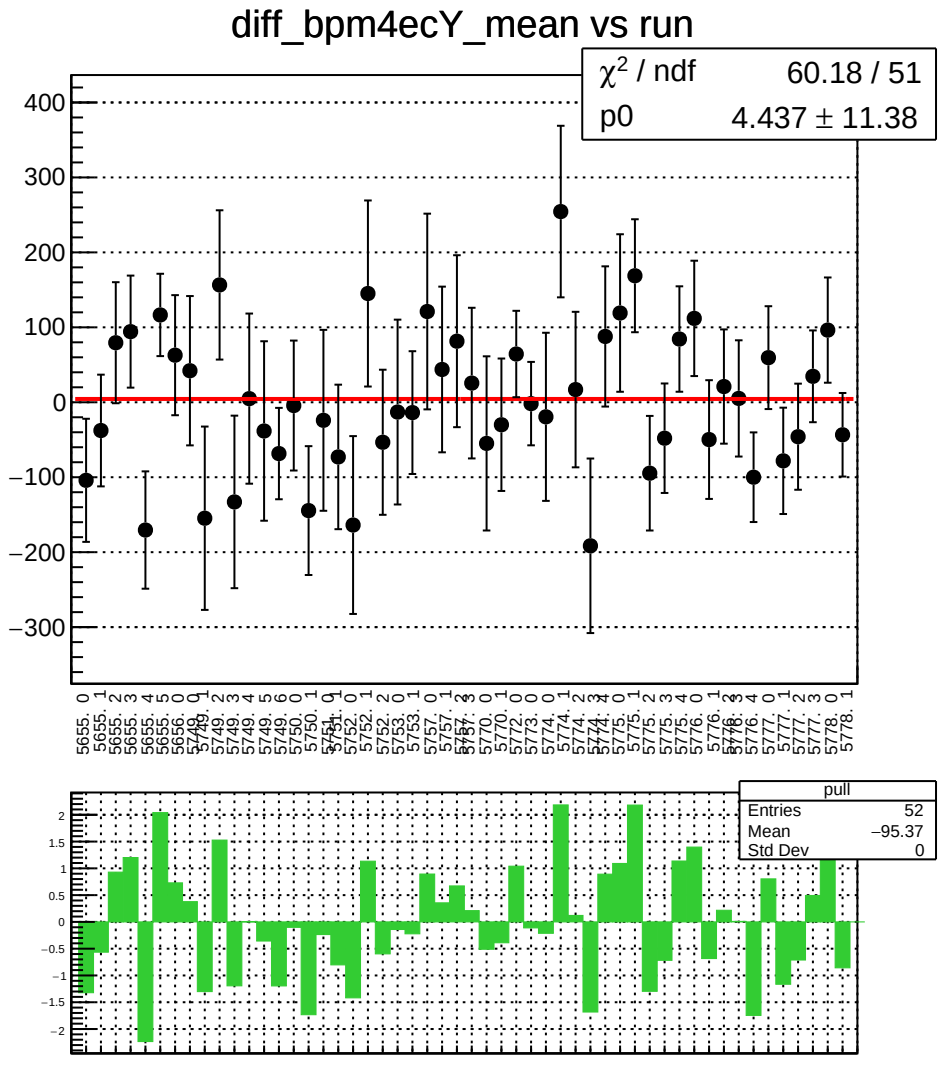
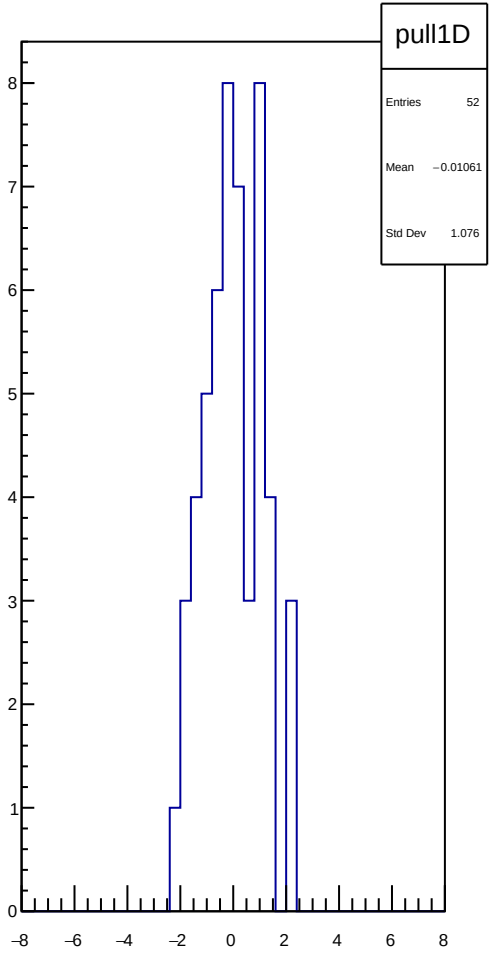
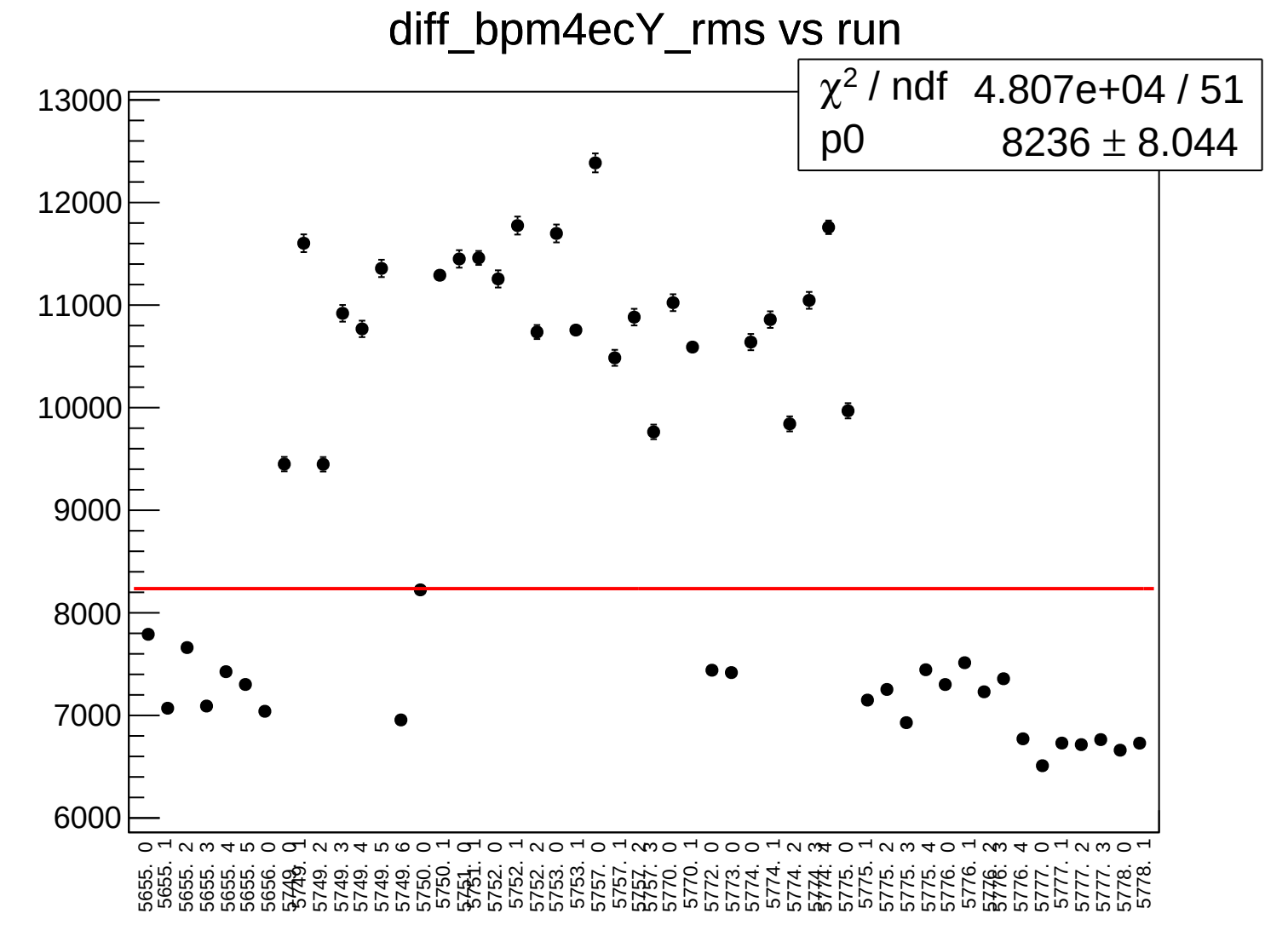
5778. 1


diff_bpm4ecY_mean vs run
χ² / ndf 60.18 / 51
p0 4.437 ± 11.38
pull
Entries 52
Mean −95.37
Std Dev 0


pull1D
Entries 52
Mean −0.01061
Std Dev 1.076


diff_bpm4ecY_rms vs run
χ² / ndf 4.807e+04 / 51
p0 8236 ± 8.044
13000
12000
11000
10000
9000
8000
7000
6000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
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5751. 1
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5752. 2
5753. 0
5753. 1
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5757. 1
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5757. 3
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5770. 1
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5776. 0
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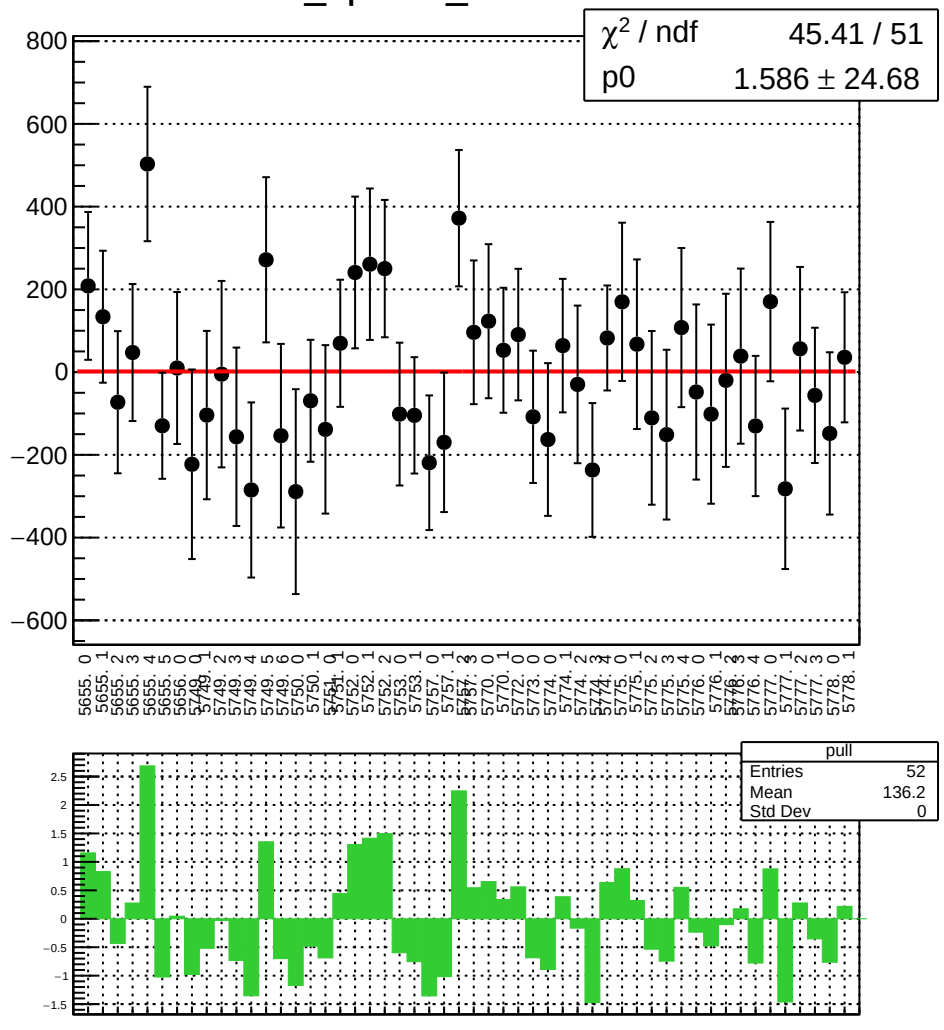
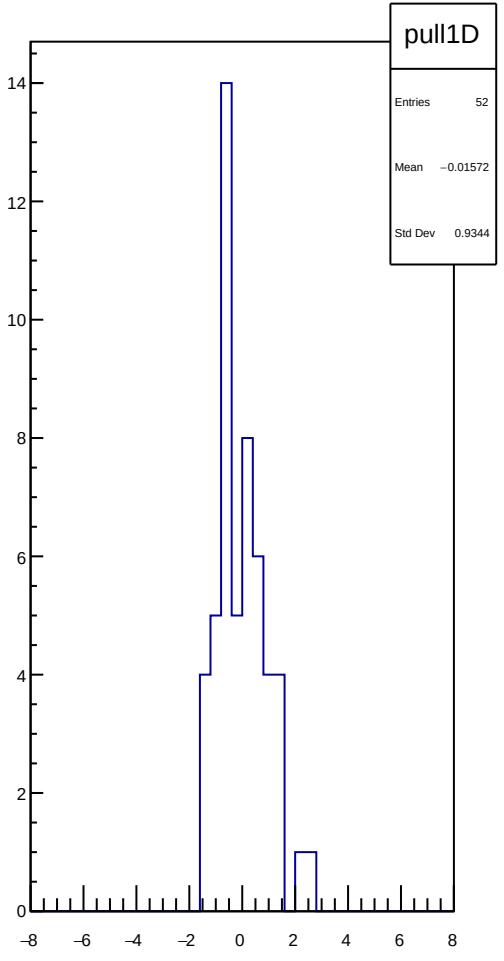
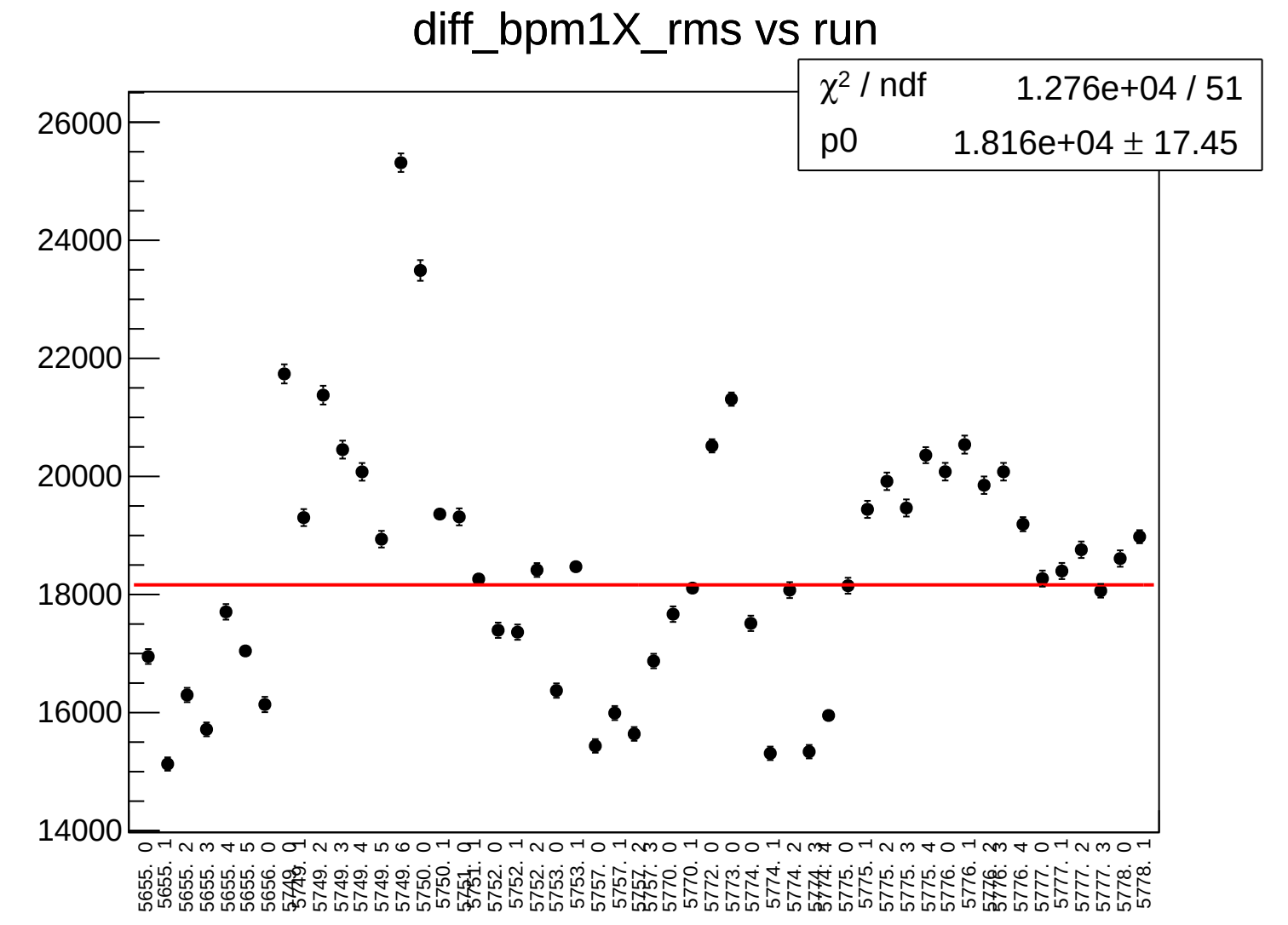

diff_bpm1X_mean vs run
χ² / ndf 45.41 / 51
p0 1.586 ± 24.68
pull
Entries 52
Mean 136.2
Std Dev 0


pull1D
Entries 52
Mean −0.01572
Std Dev 0.9344


diff_bpm1X_rms vs run
χ² / ndf 1.276e+04 / 51
p0 1.816e+04 ± 17.45
26000
24000
22000
20000
18000
16000
14000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5776. 0
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5777. 0
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5777. 2
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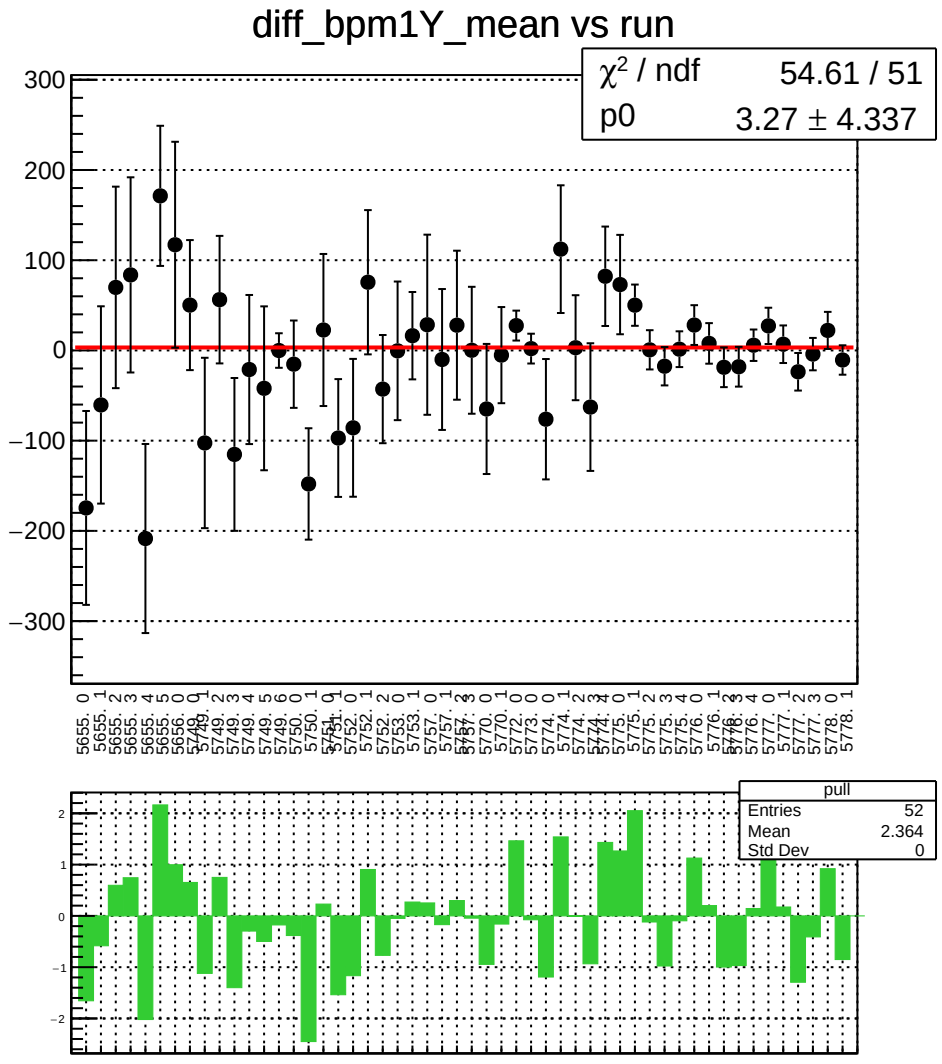
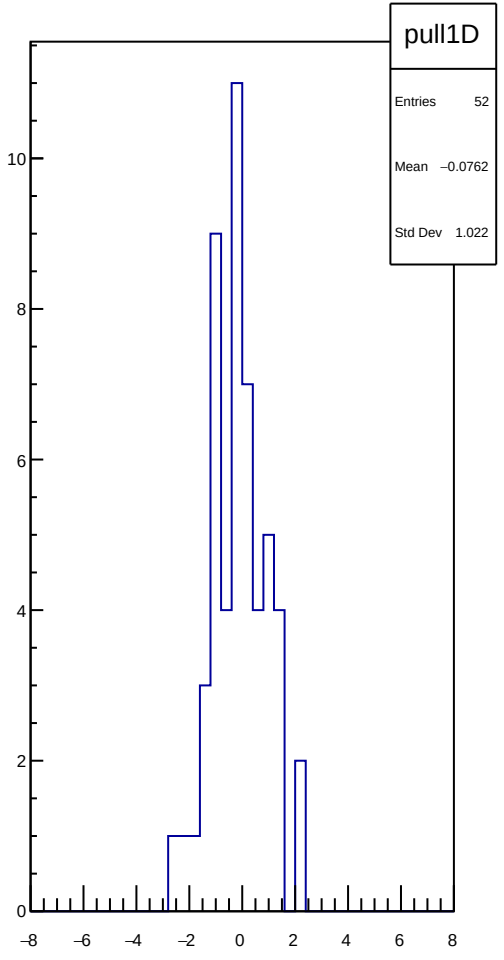
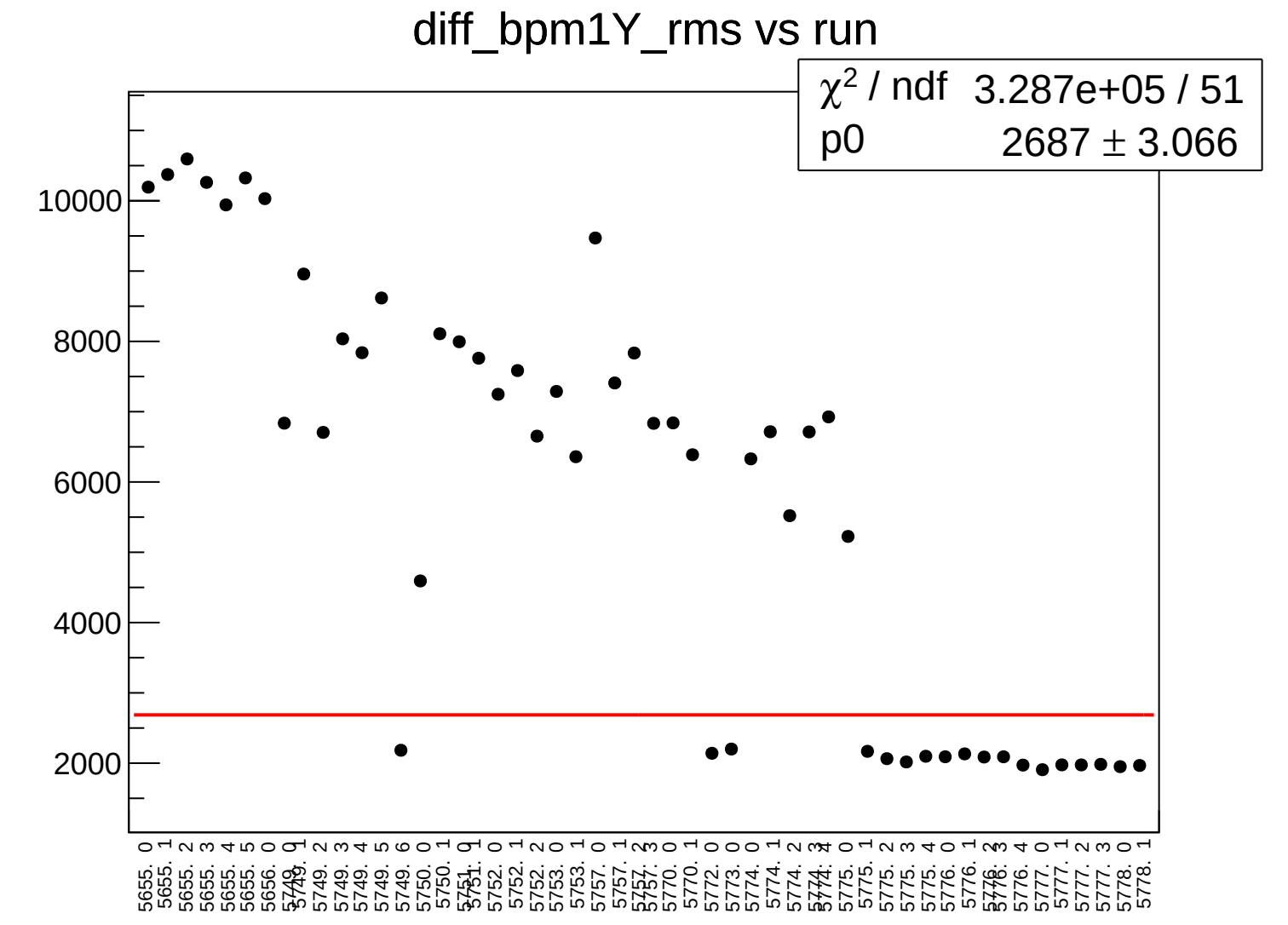
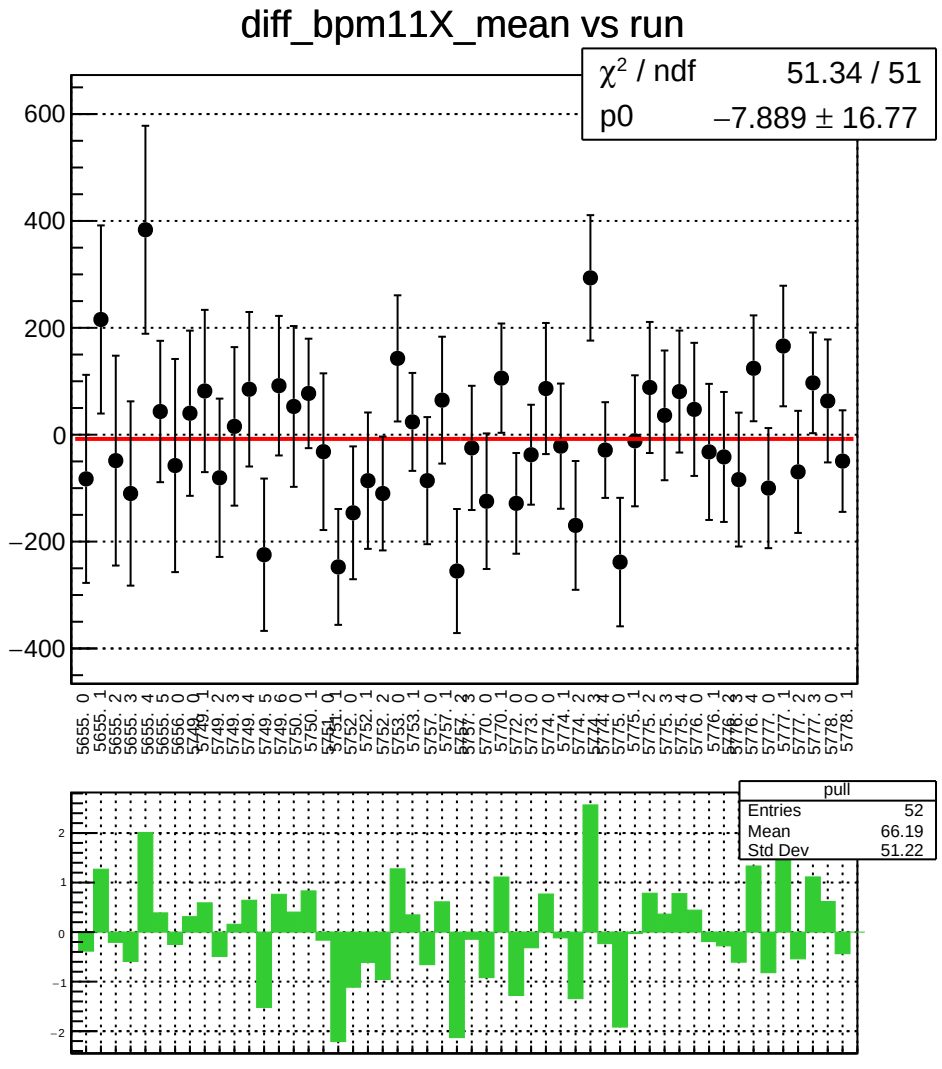
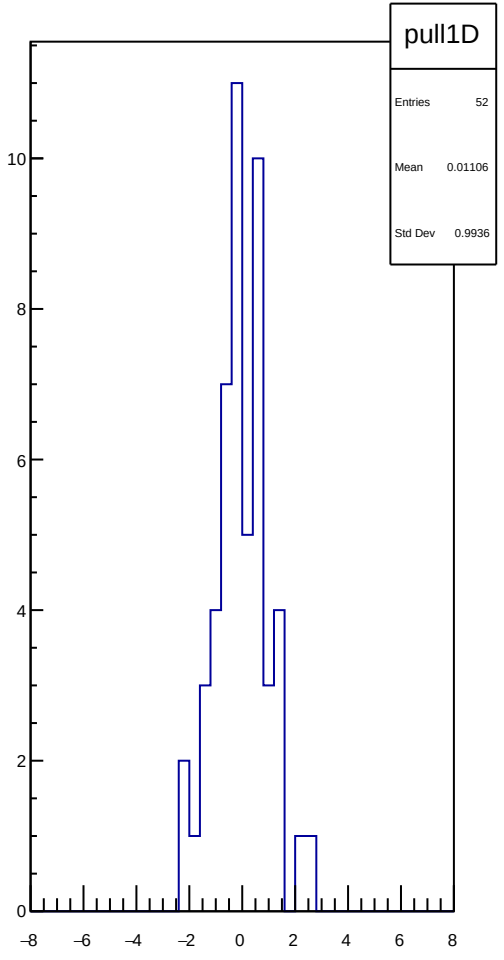
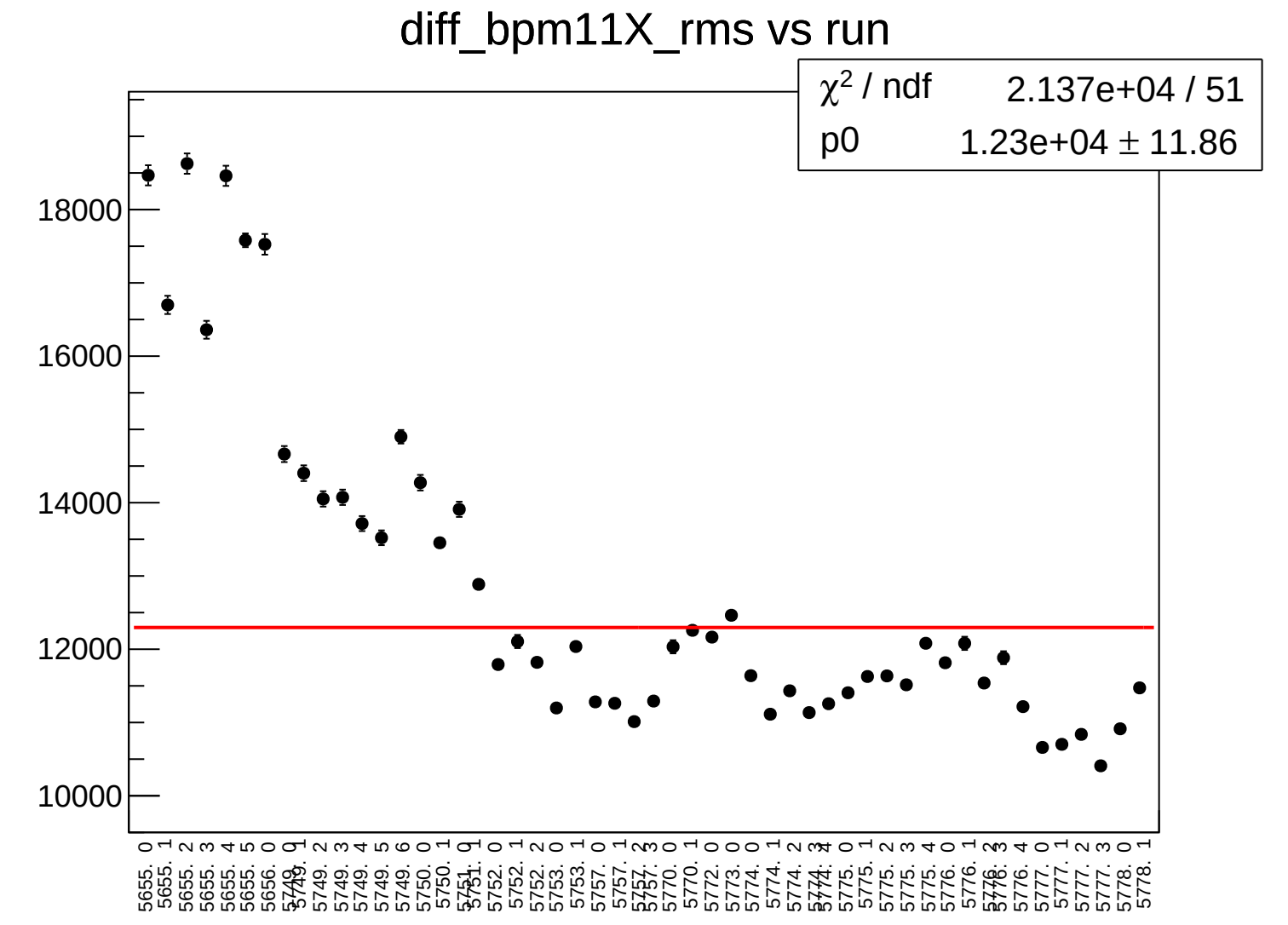

diff_bpm1Y_mean vs run
χ² / ndf 54.61 / 51
p0 3.27 ± 4.337
pull
Entries 52
Mean 2.364
Std Dev 0

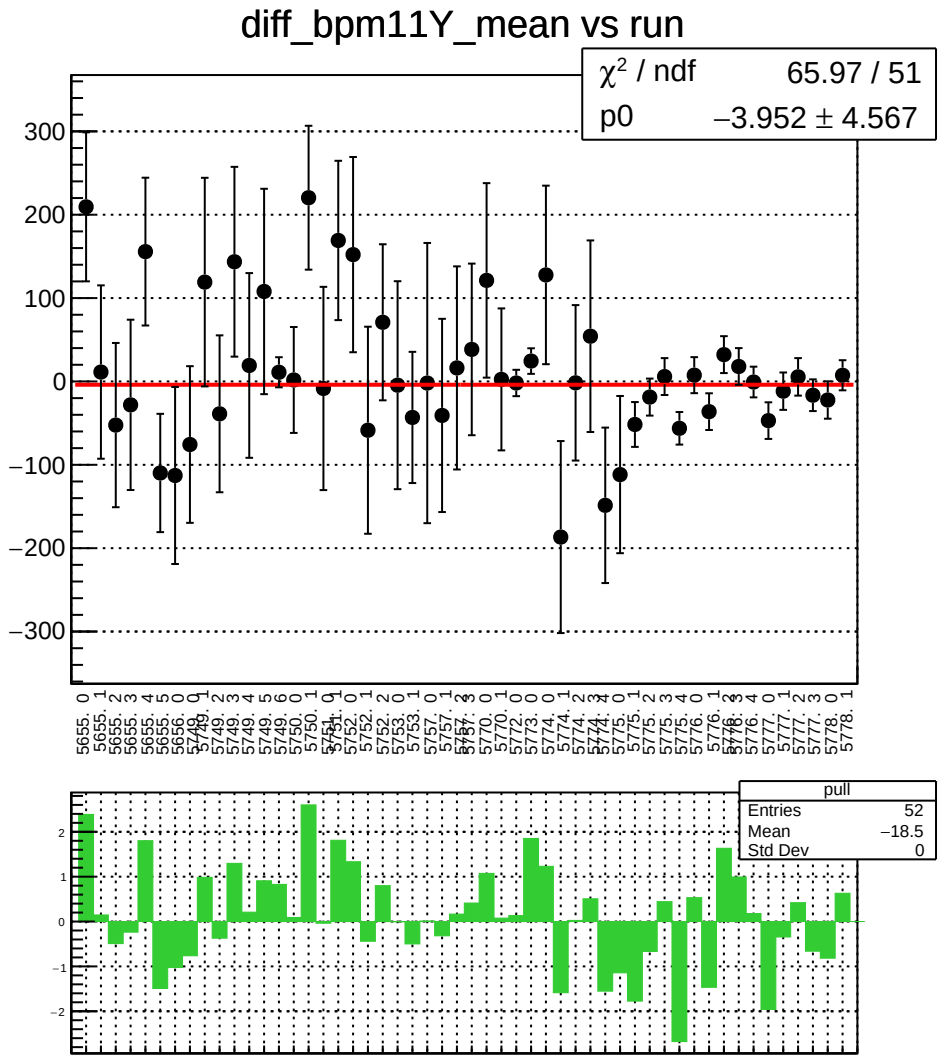

pull1D
Entries 52
Mean −0.0762
Std Dev 1.022

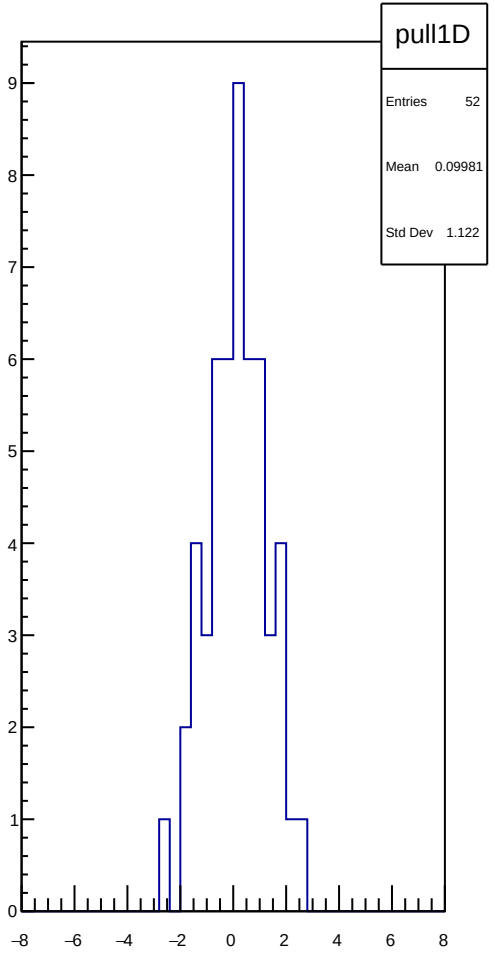

diff_bpm1Y_rms vs run
χ² / ndf 3.287e+05 / 51
p0 2687 ± 3.066
10000
8000
6000
4000
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

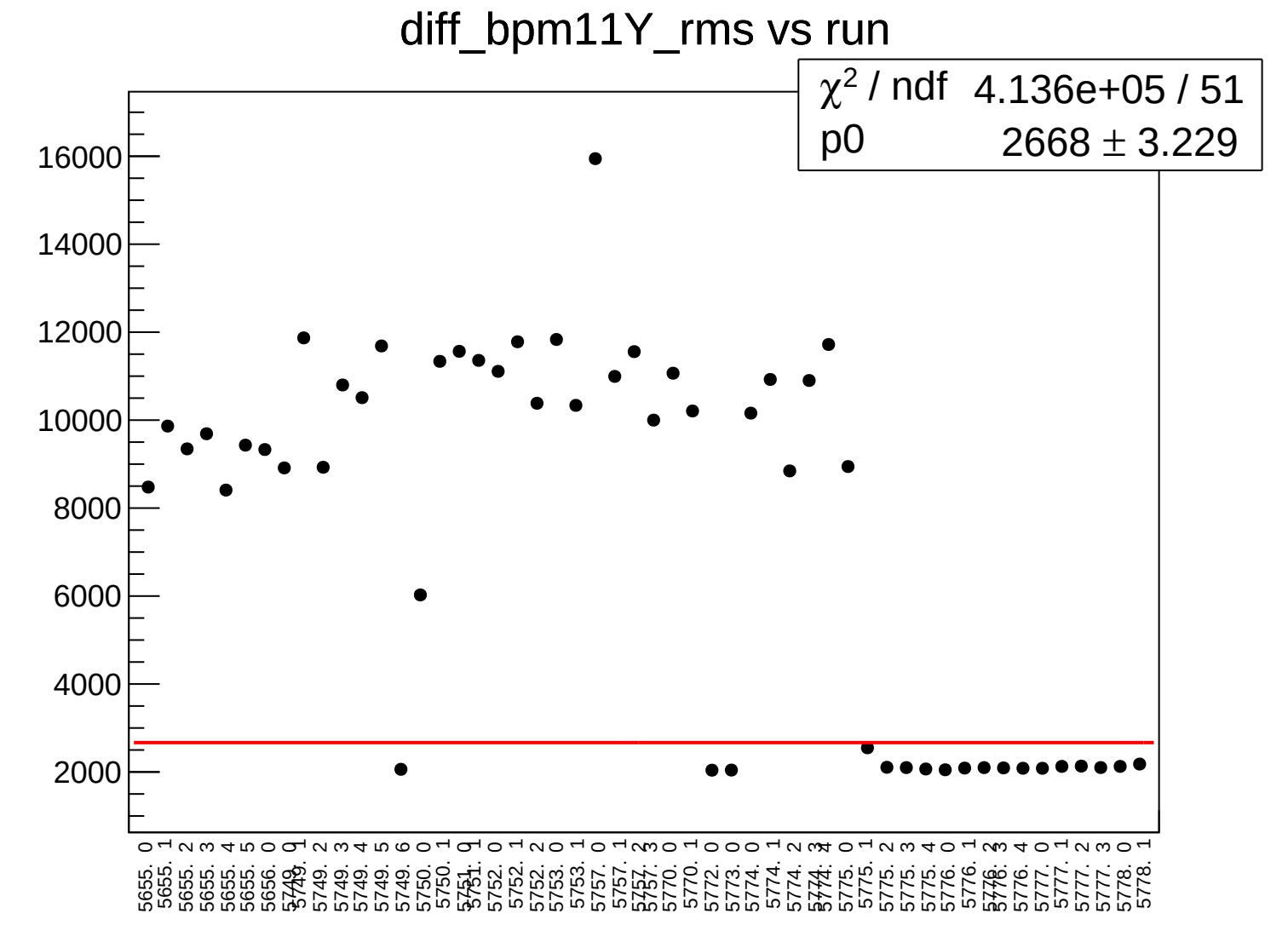

diff_bpm11X_mean vs run
χ² / ndf 51.34 / 51
p0 −7.889 ± 16.77
pull
Entries 52
Mean 66.19
Std Dev 51.22

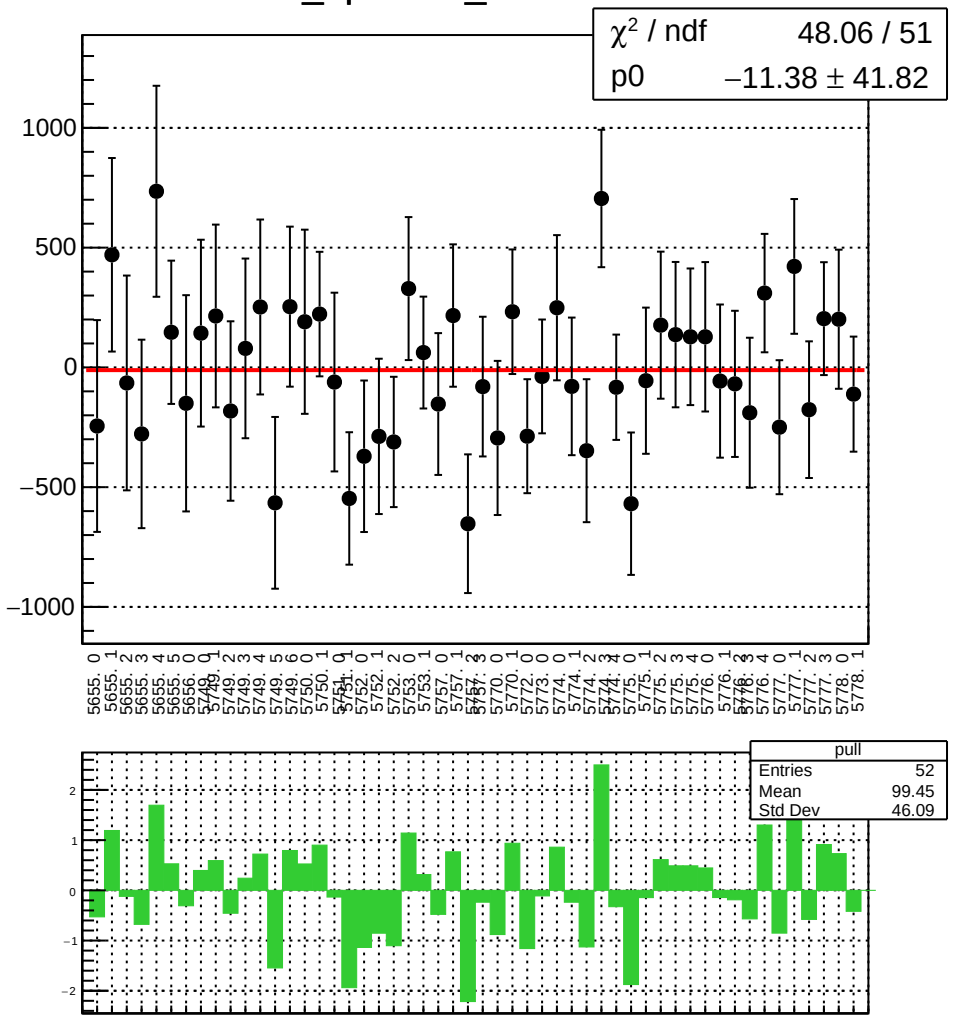

pull1D
Entries 52
Mean 0.01106
Std Dev 0.9936

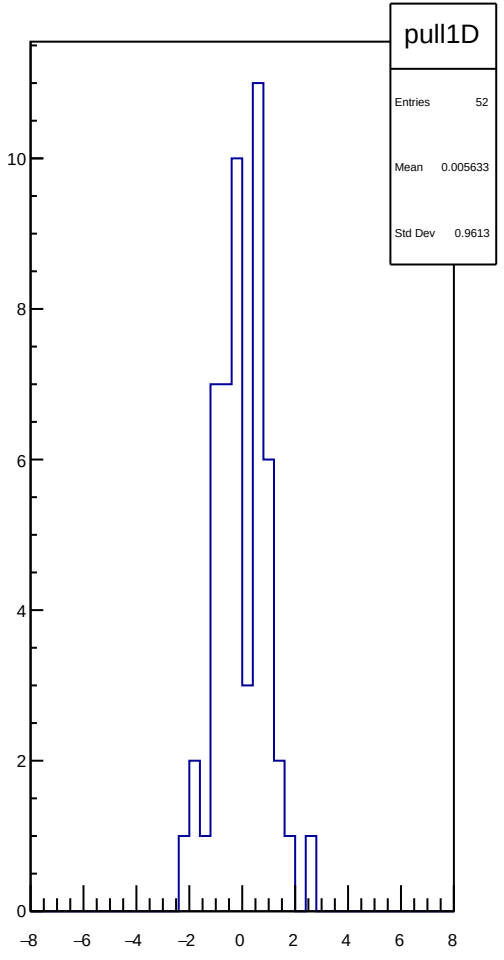

diff_bpm11X_rms vs run
χ² / ndf 2.137e+04 / 51
p0 1.23e+04 ± 11.86
18000
16000
14000
12000
10000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

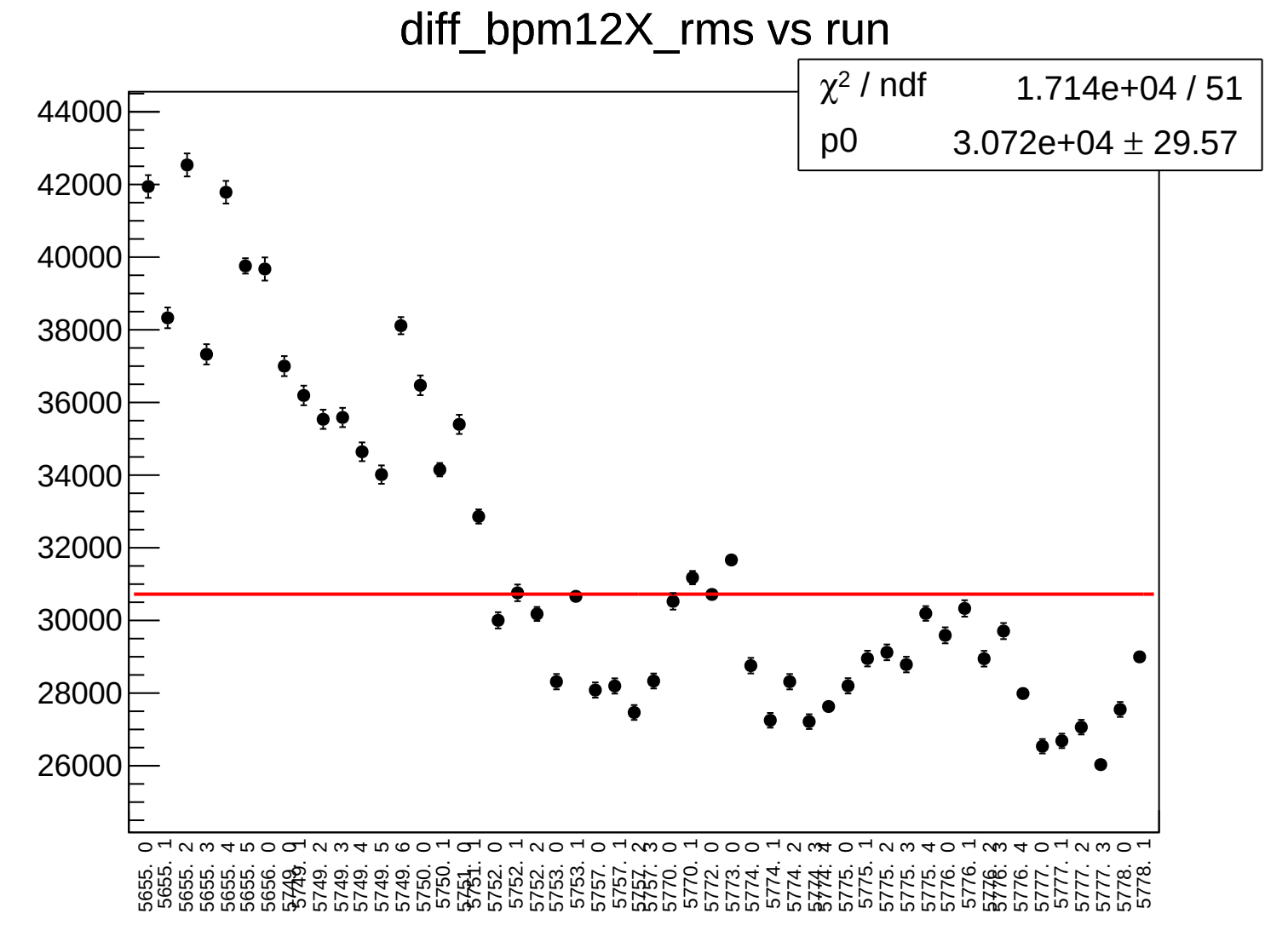

diff_bpm11Y_mean vs run
χ² / ndf 65.97 / 51
p0 −3.952 ± 4.567
pull
Entries 52
Mean −18.5
Std Dev 0

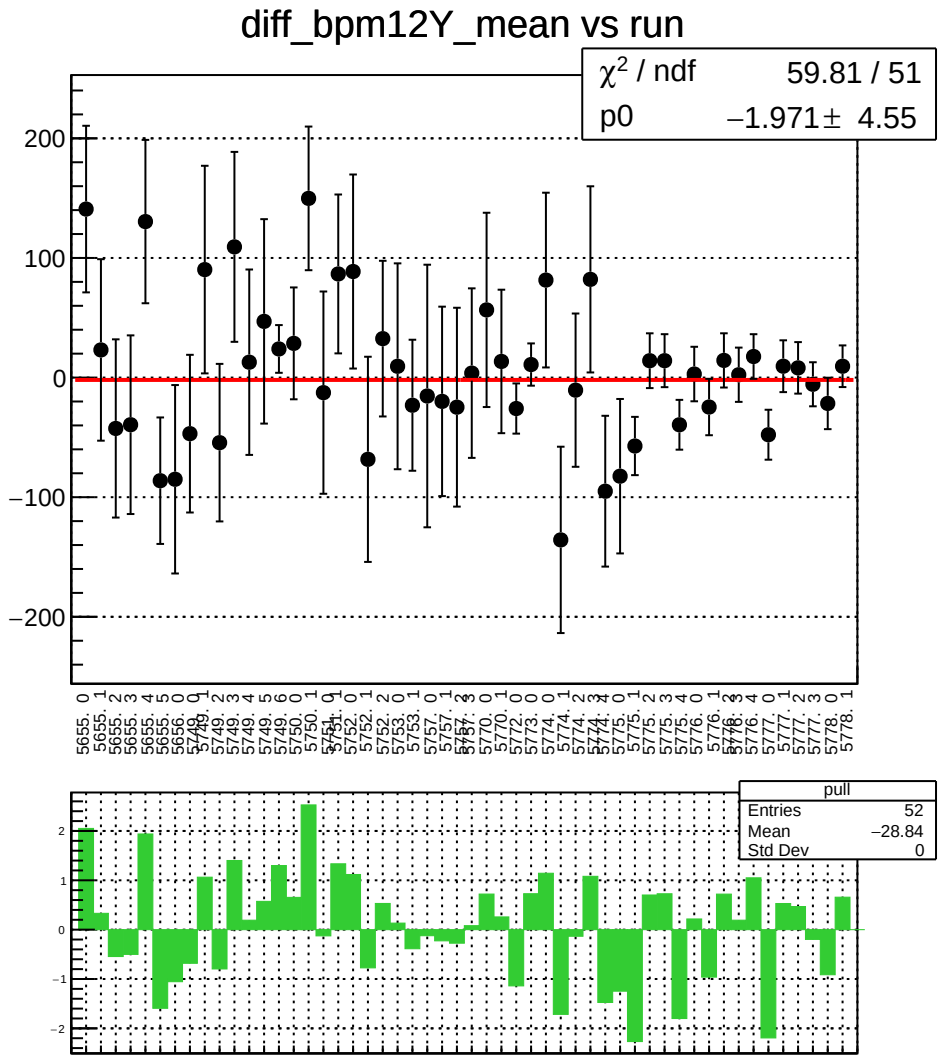

pull1D
Entries 52
Mean 0.09981
Std Dev 1.122

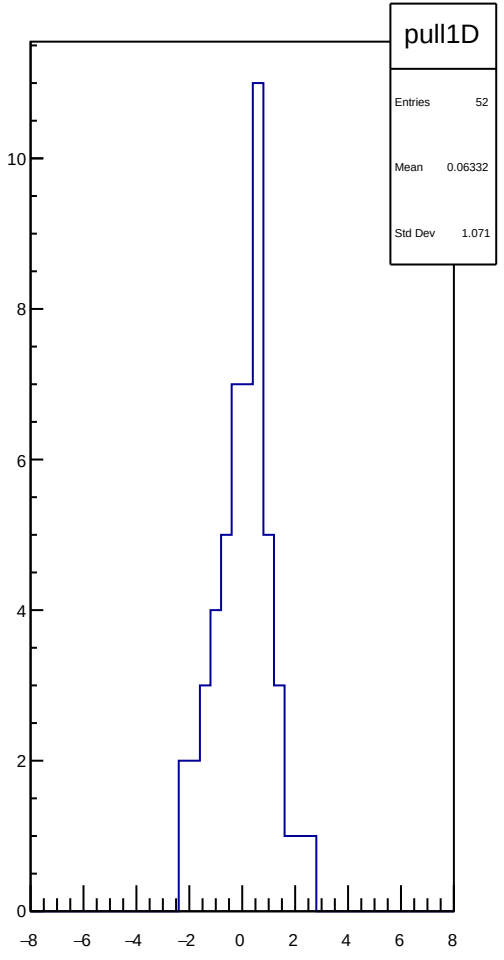

diff_bpm11Y_rms vs run
χ² / ndf 4.136e+05 / 51
p0 2668 ± 3.229
16000
14000
12000
10000
8000
6000
4000
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

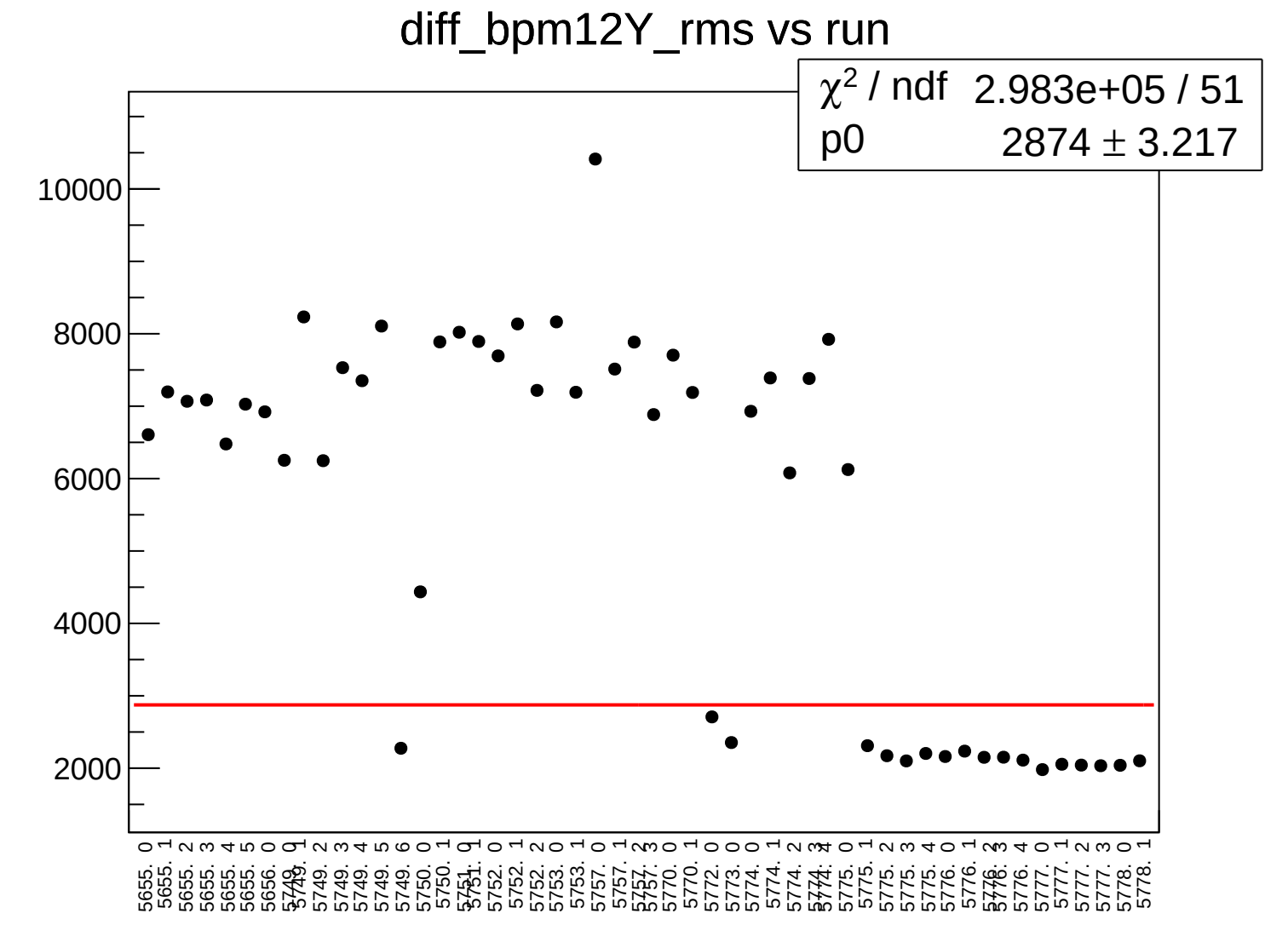

diff_bpm12X_mean vs run
χ² / ndf 48.06 / 51
p0 −11.38 ± 41.82
1000
500
0
−500
−1000
pull
Entries 52
Mean 99.45
Std Dev 46.09
2
1
0
−1
−2

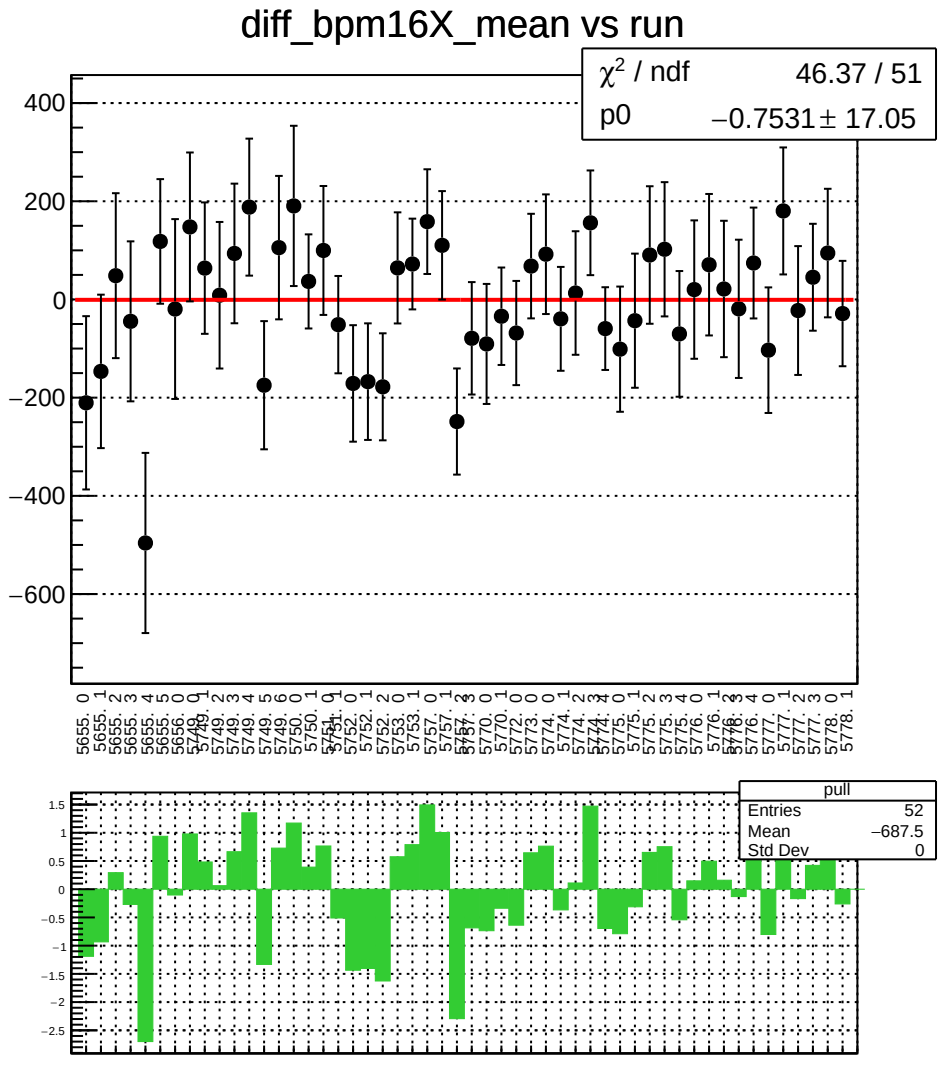

pull1D
Entries 52
Mean 0.005633
Std Dev 0.9613
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

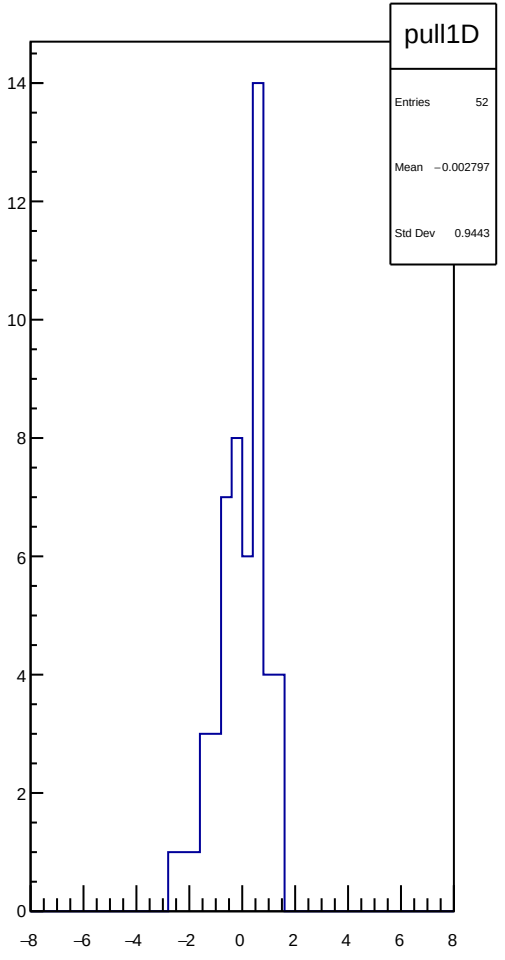

diff_bpm12X_rms vs run
χ² / ndf 1.714e+04 / 51
p0 3.072e+04 ± 29.57
44000
42000
40000
38000
36000
34000
32000
30000
28000
26000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

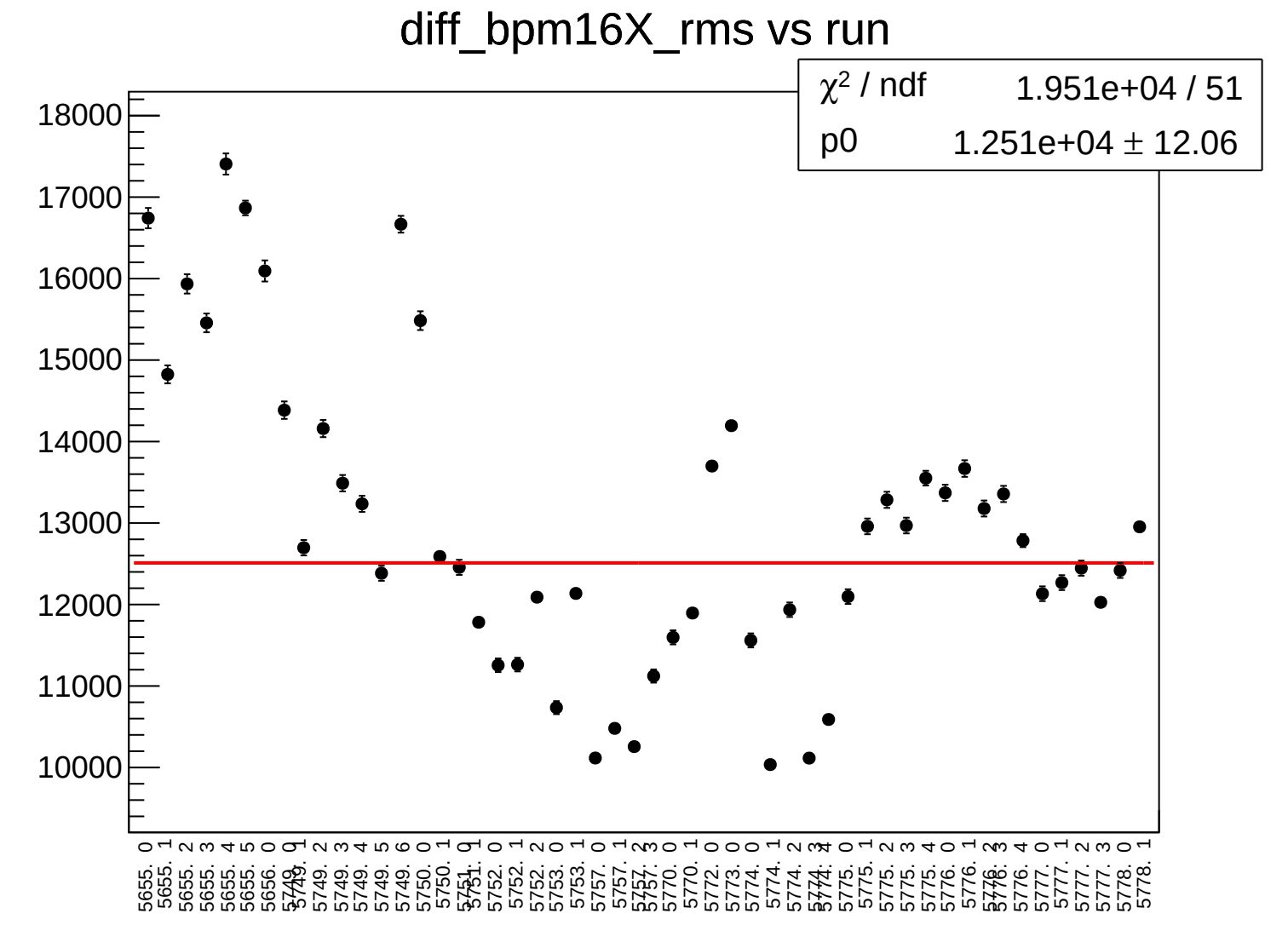

diff_bpm12Y_mean vs run
χ² / ndf 59.81 / 51
p0 −1.971± 4.55
200
100
0
−100
−200
pull
Entries 52
Mean −28.84
Std Dev 0
2
1
0
−1
−2

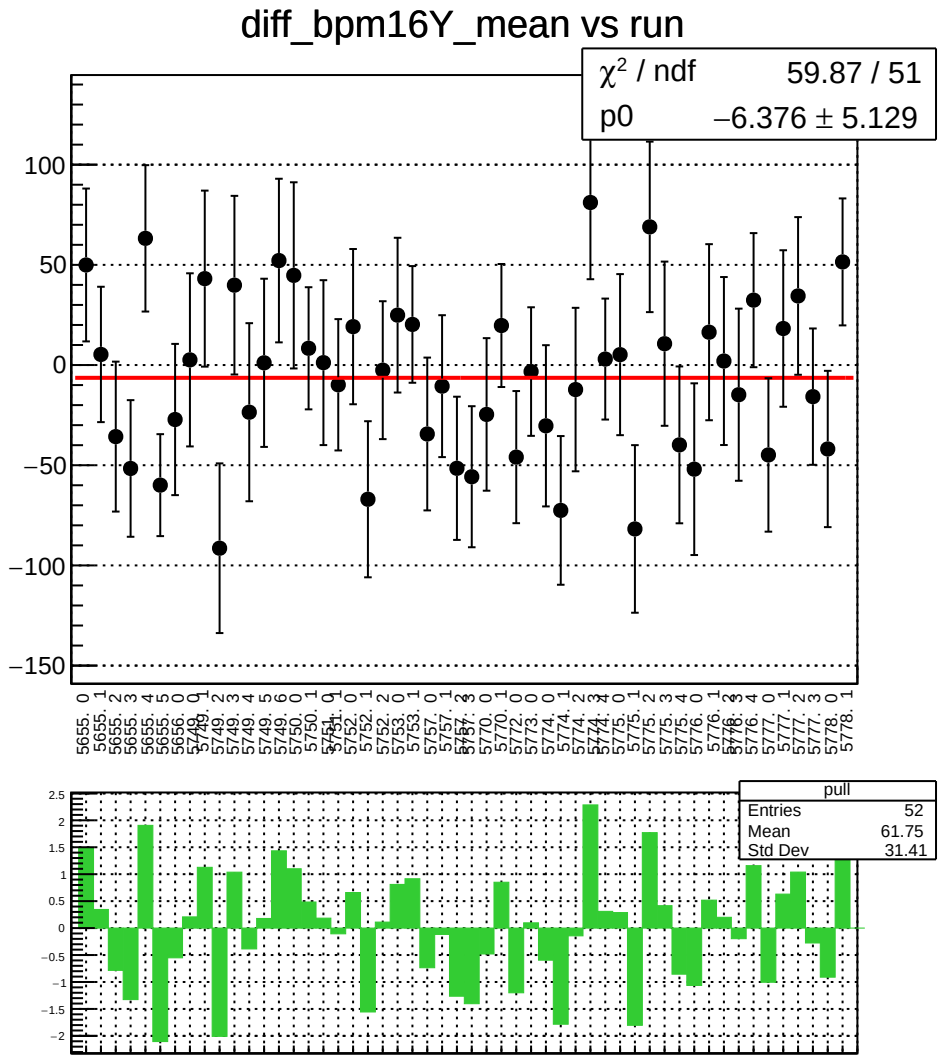

pull1D
Entries 52
Mean 0.06332
Std Dev 1.071
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

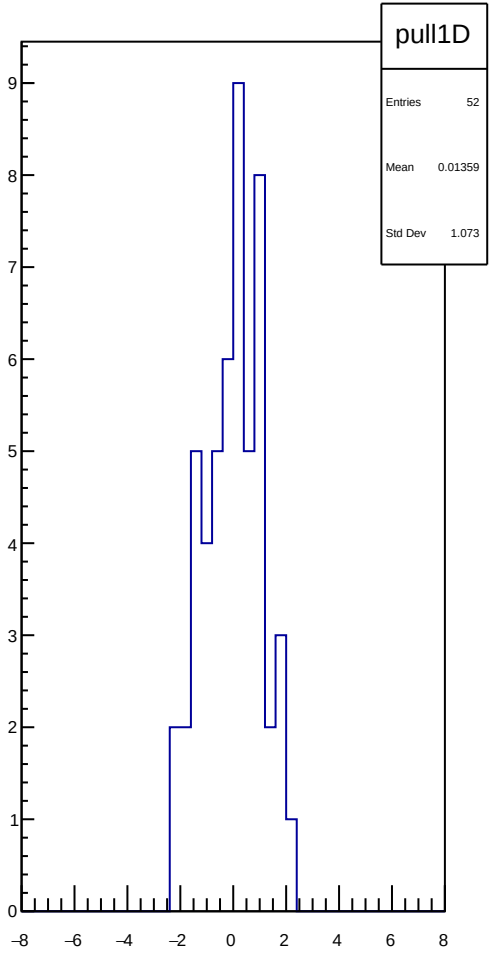

diff_bpm12Y_rms vs run
χ² / ndf 2.983e+05 / 51
p0 2874 ± 3.217
10000
8000
6000
4000
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

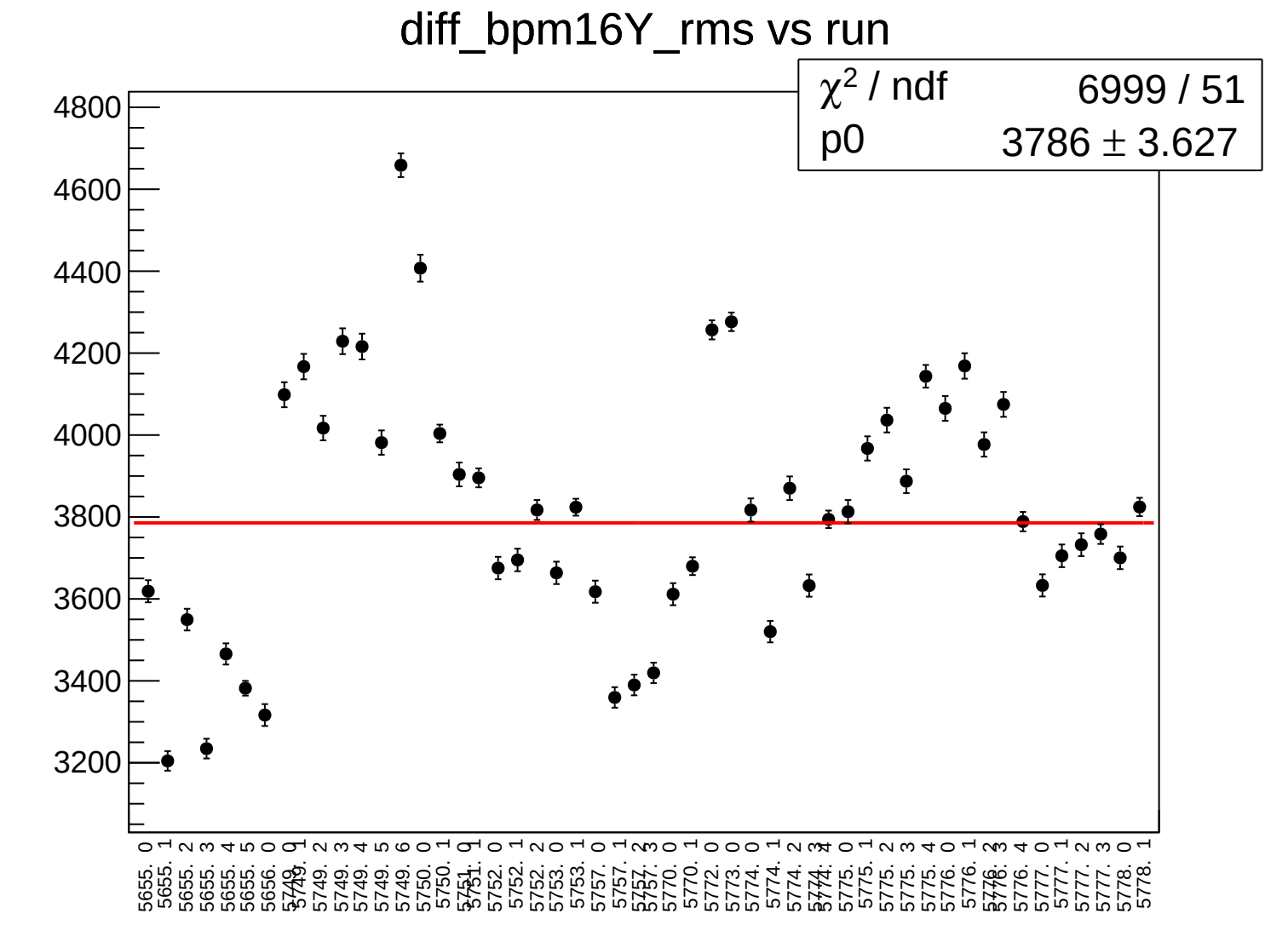

diff_bpm16X_mean vs run
χ² / ndf 46.37 / 51
p0 −0.7531 ± 17.05
pull
Entries 52
Mean −687.5
Std Dev 0

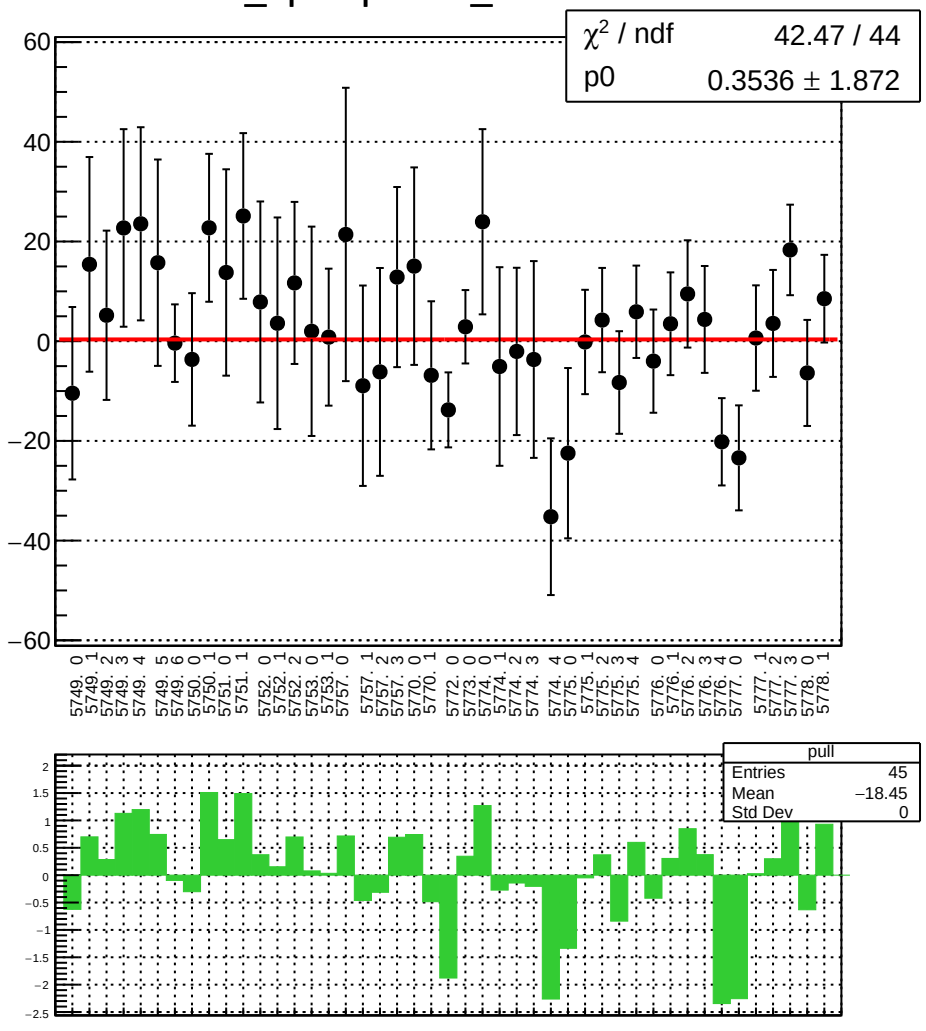

pull1D
Entries 52
Mean −0.002797
Std Dev 0.9443

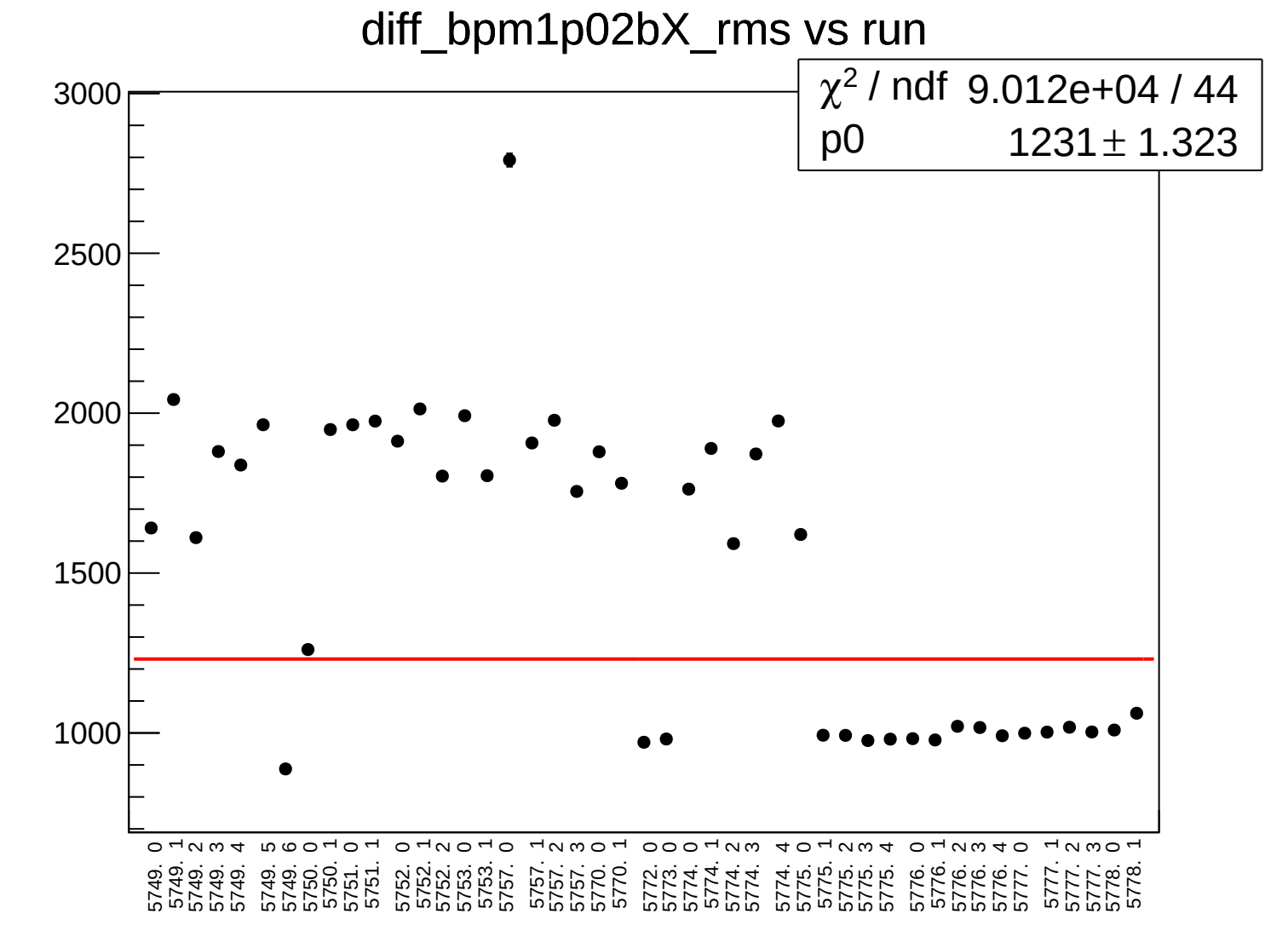

diff_bpm16X_rms vs run
χ² / ndf 1.951e+04 / 51
p0 1.251e+04 ± 12.06
18000
17000
16000
15000
14000
13000
12000
11000
10000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

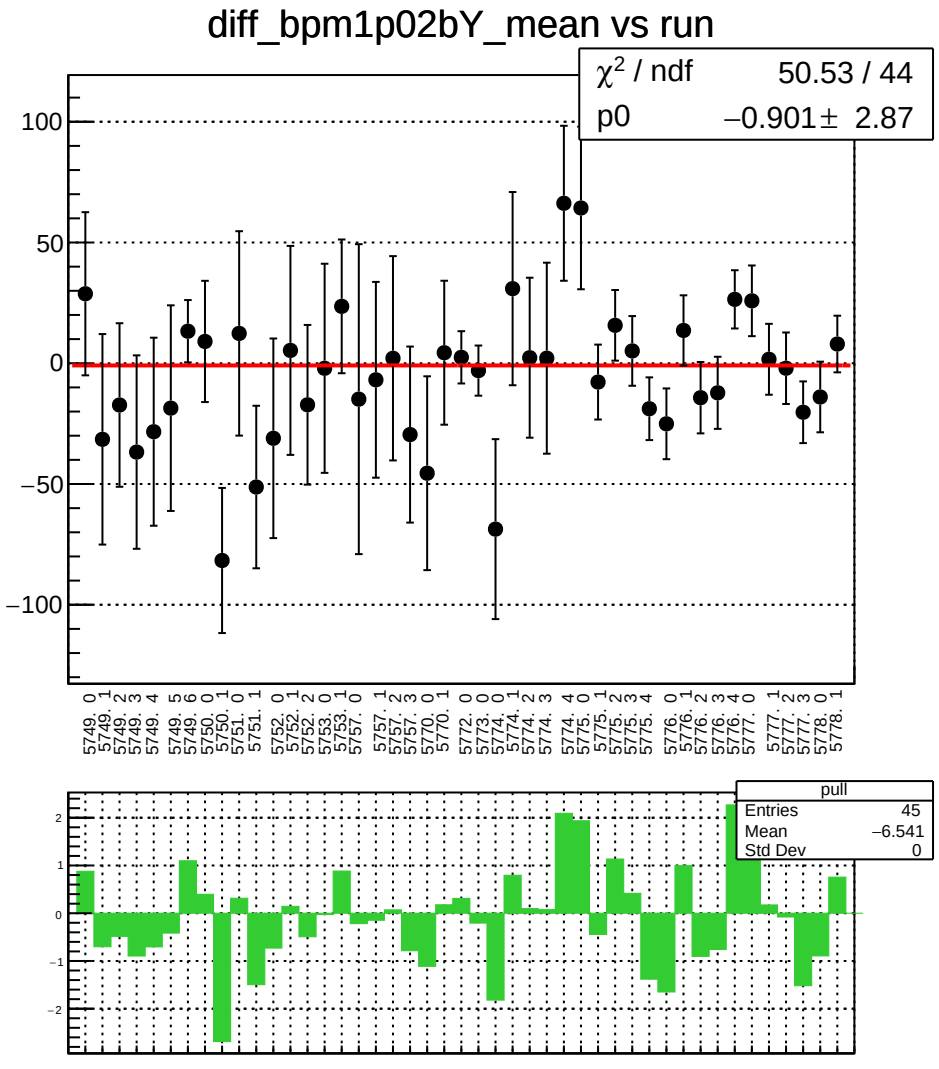

diff_bpm16Y_mean vs run
χ² / ndf 59.87 / 51
p0 −6.376 ± 5.129
pull
Entries 52
Mean 61.75
Std Dev 31.41

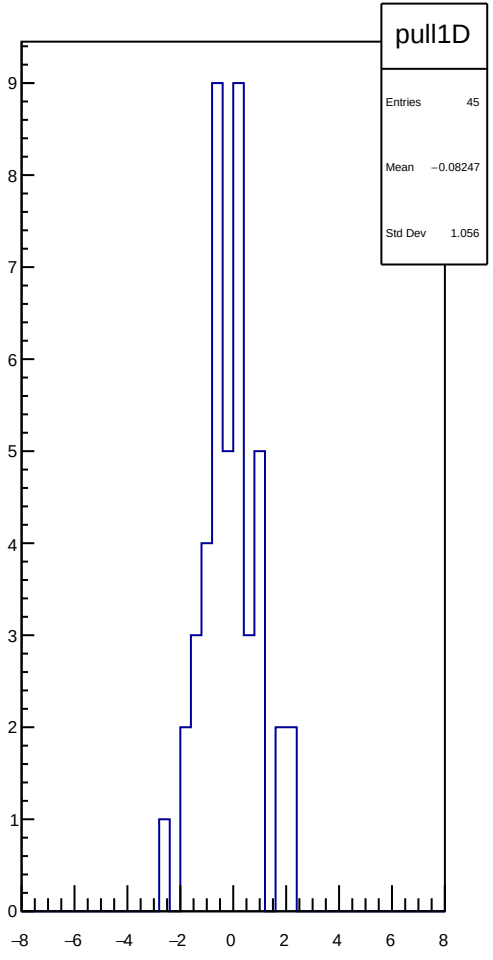

pull1D
Entries 52
Mean 0.01359
Std Dev 1.073

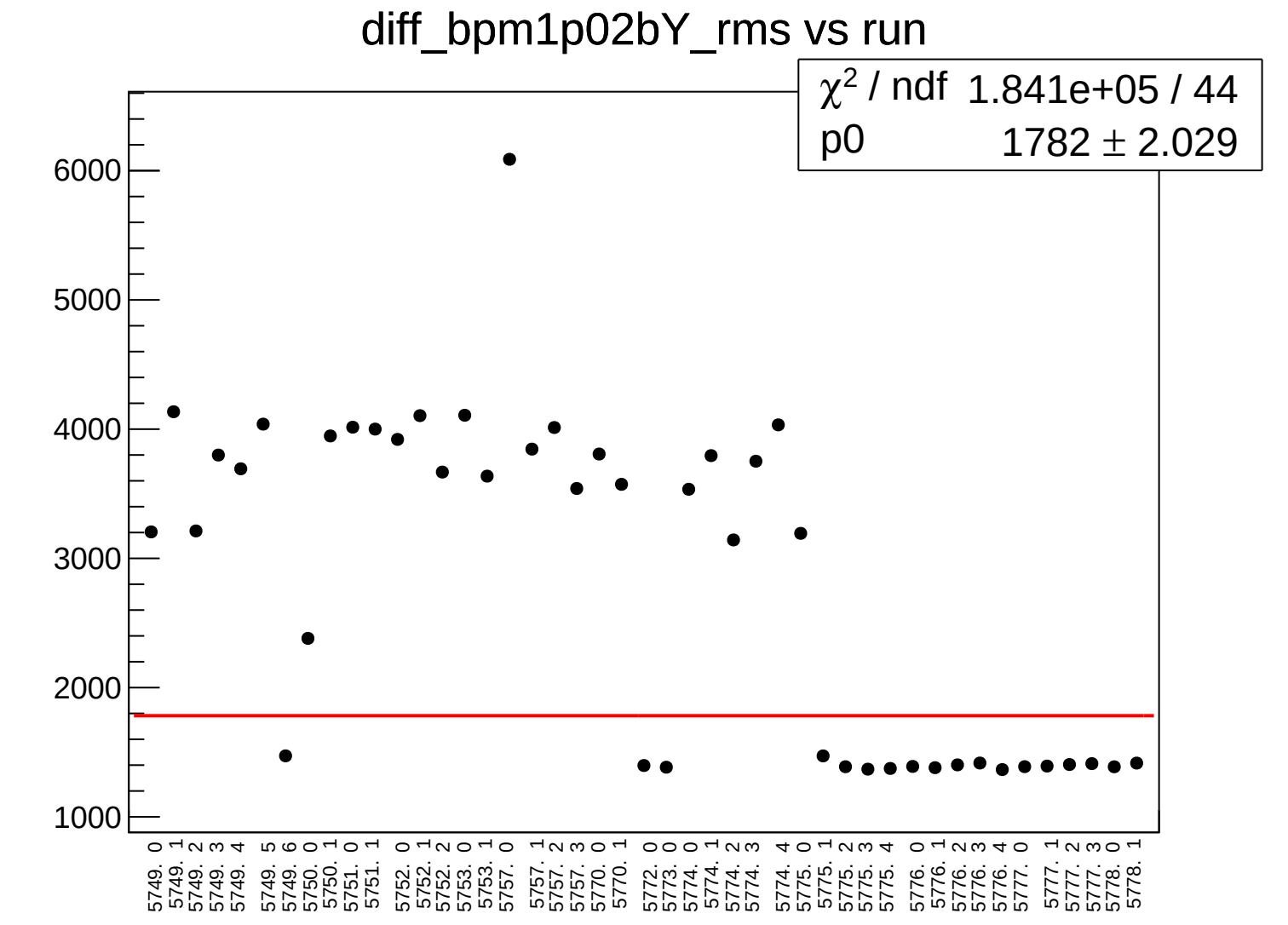

diff_bpm16Y_rms vs run
χ² / ndf 6999 / 51
p0 3786 ± 3.627
4800
4600
4400
4200
4000
3800
3600
3400
3200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

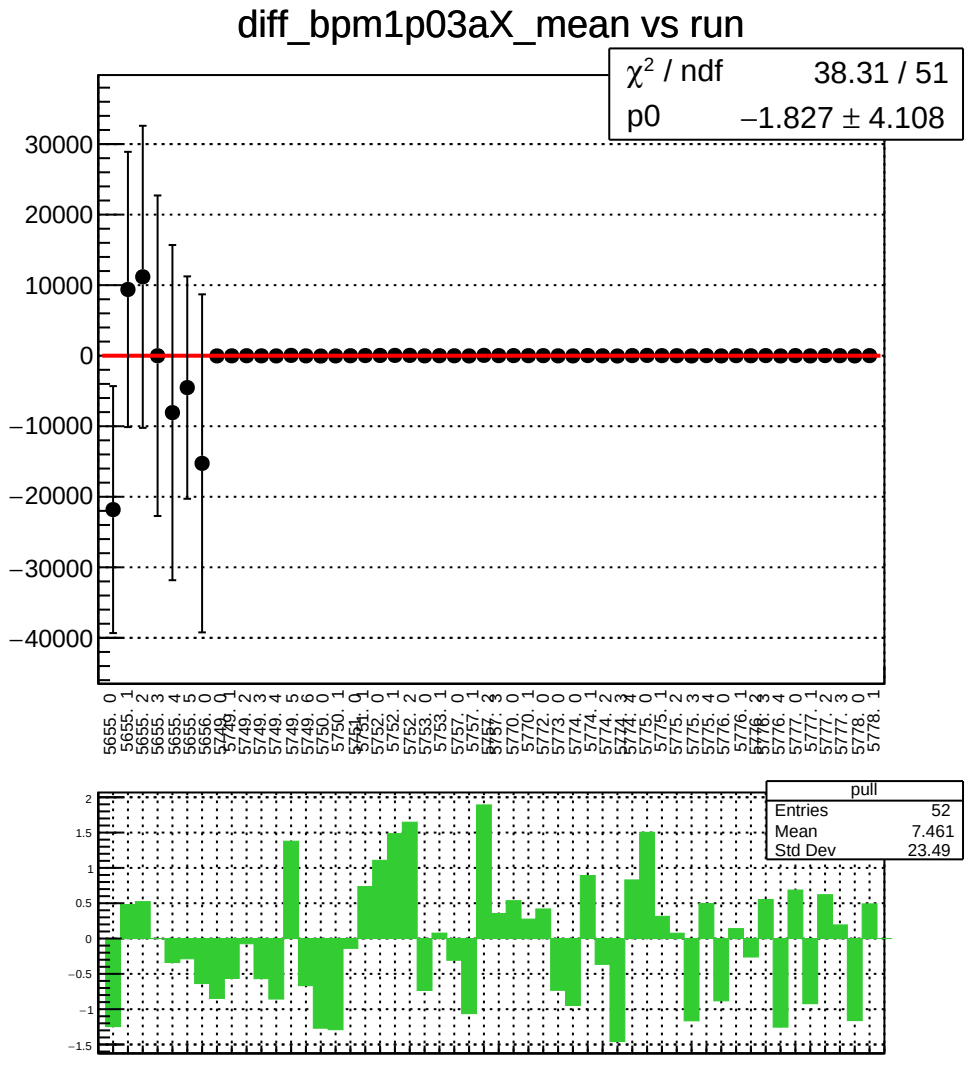

diff_bpm1p02bX_mean vs run
χ² / ndf 42.47 / 44
p0 0.3536 ± 1.872
pull
Entries 45
Mean −18.45
Std Dev 0
pull1D
Entries 45
Mean 0.0804
Std Dev 0.9682

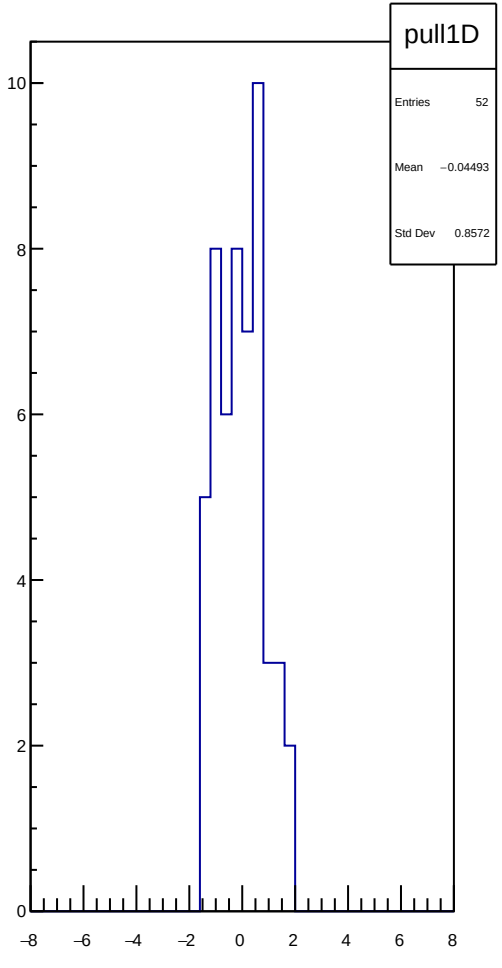

diff_bpm1p02bX_rms vs run
χ² / ndf 9.012e+04 / 44
p0 1231 ± 1.323
3000
2500
2000
1500
1000
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

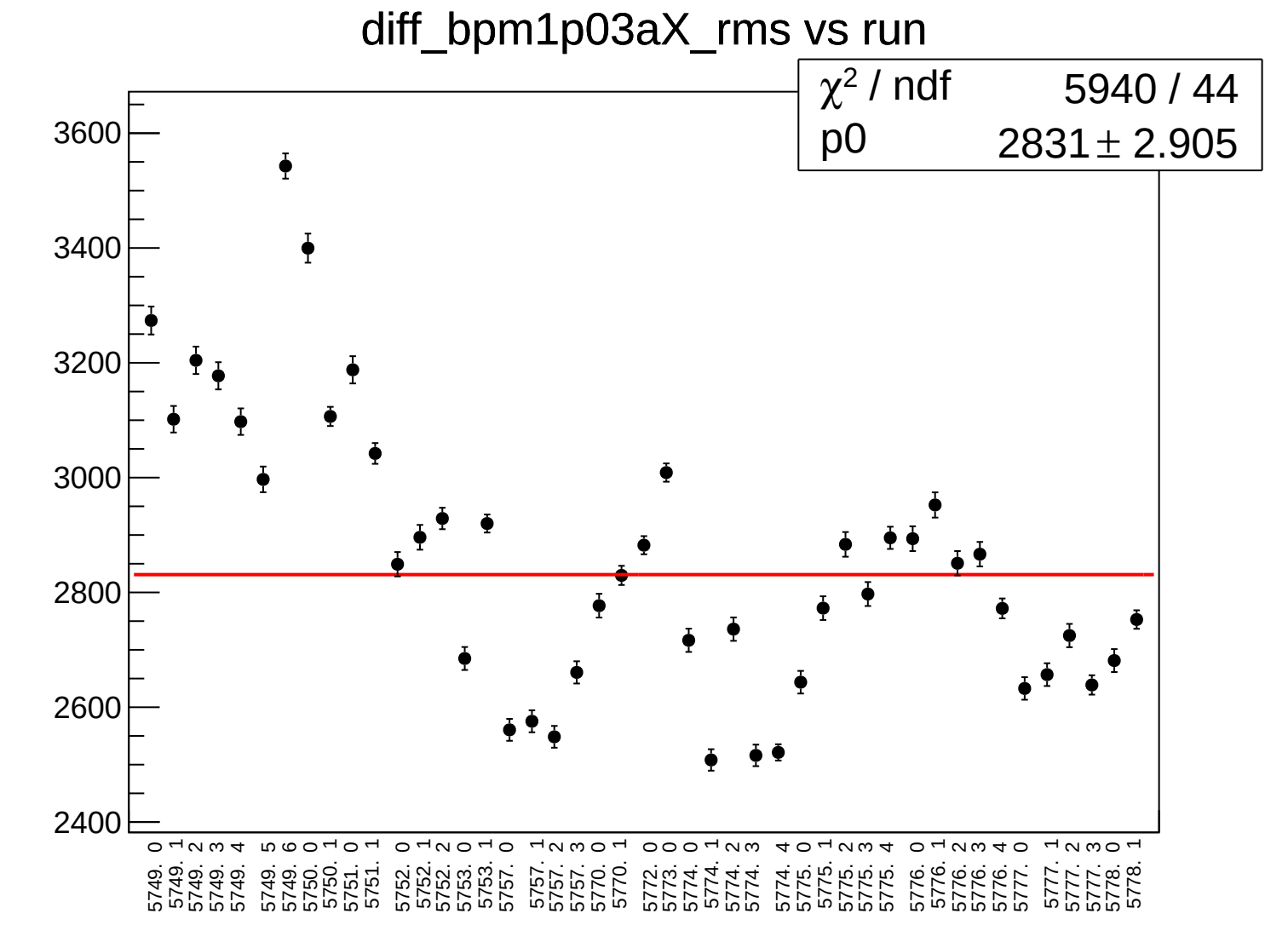

diff_bpm1p02bY_mean vs run
χ^2 / ndf 50.53 / 44
p0 −0.901± 2.87
100
50
0
−50
−100
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
pull
Entries 45
Mean −6.541
Std Dev 0
2
1
0
−1
−2

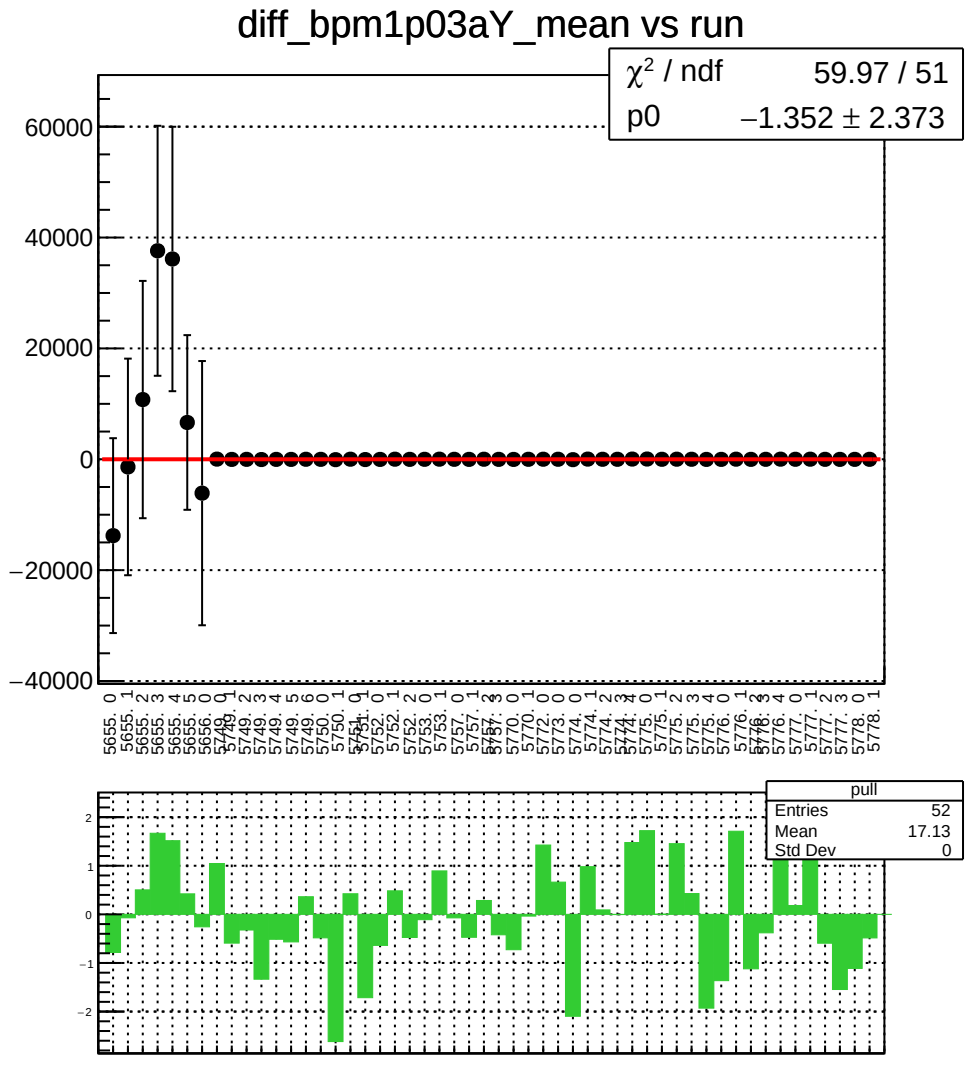

pull1D
Entries 45
Mean −0.08247
Std Dev 1.056
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

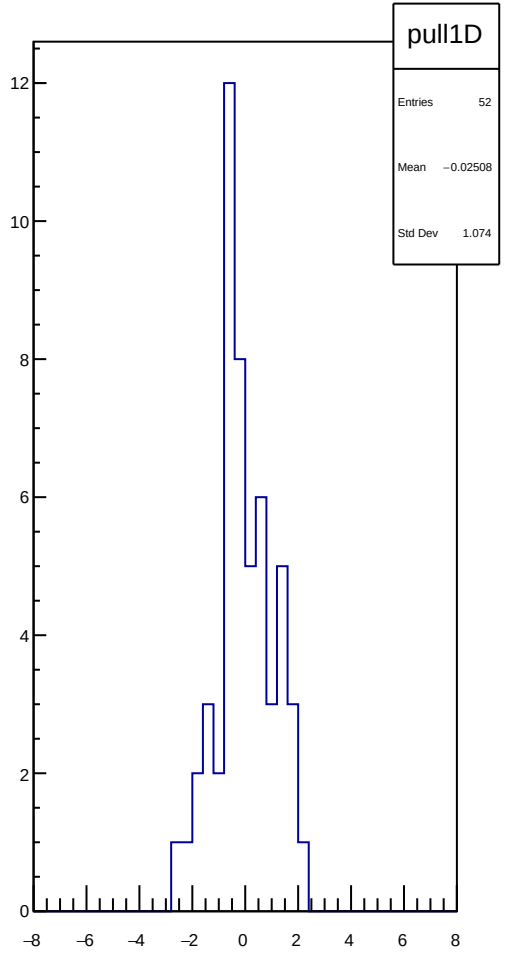

diff_bpm1p02bY_rms vs run
χ² / ndf 1.841e+05 / 44
p0 1782 ± 2.029
6000
5000
4000
3000
2000
1000
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

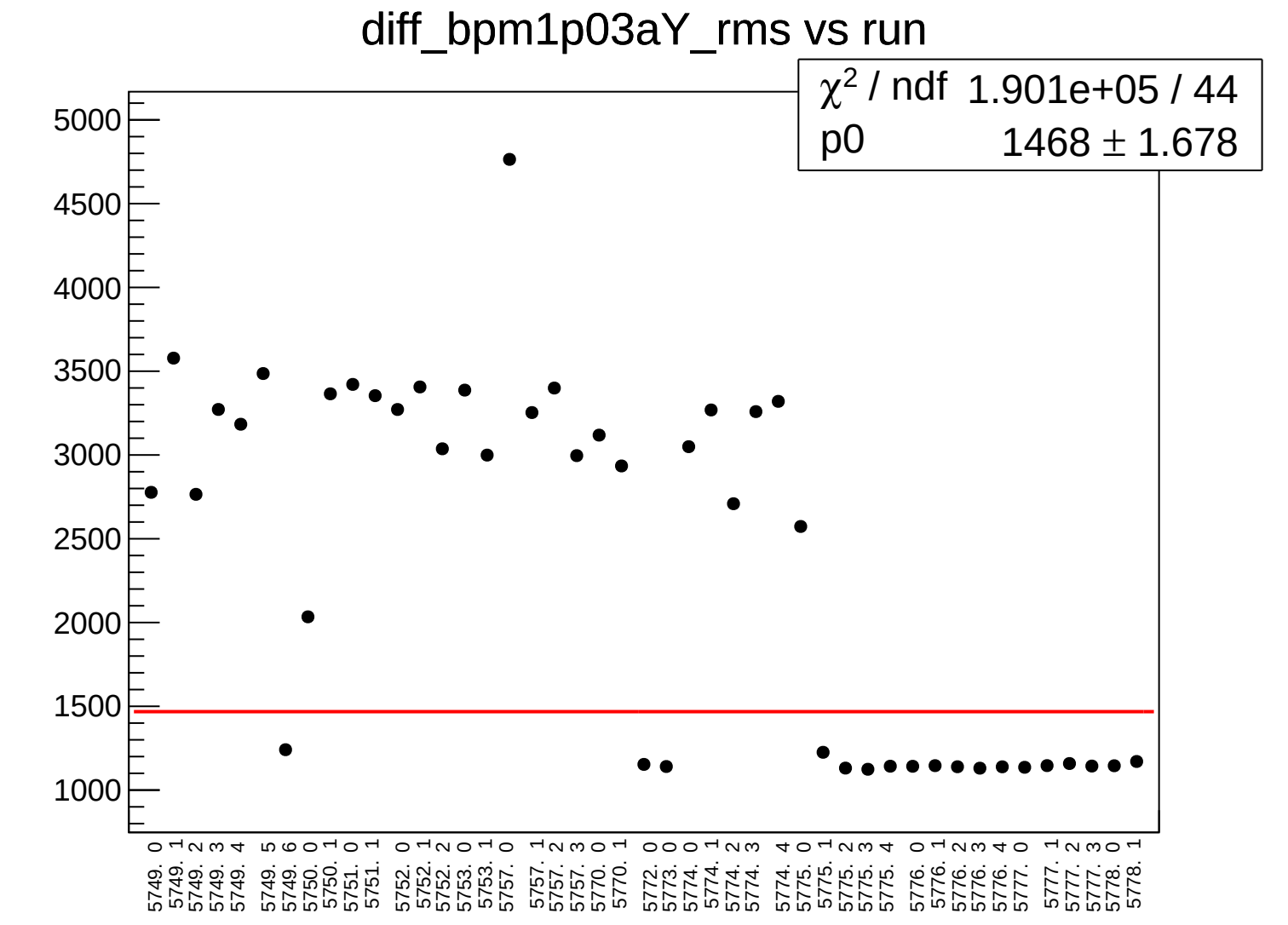

diff_bpm1p03aX_mean vs run
χ² / ndf 38.31 / 51
p0 −1.827 ± 4.108
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 52
Mean 7.461
Std Dev 23.49
2
1.5
1
0.5
0
−0.5
−1
−1.5

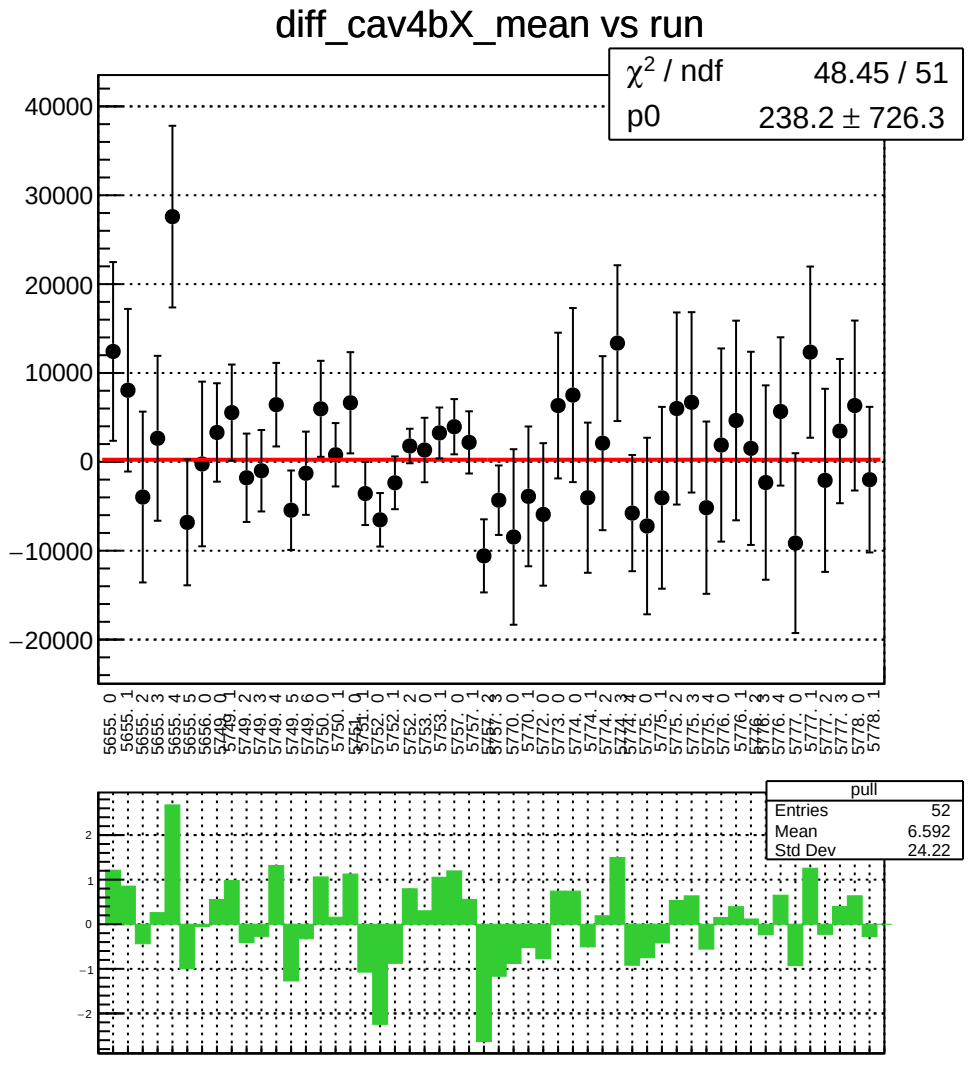

pull1D
Entries 52
Mean −0.04493
Std Dev 0.8572
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

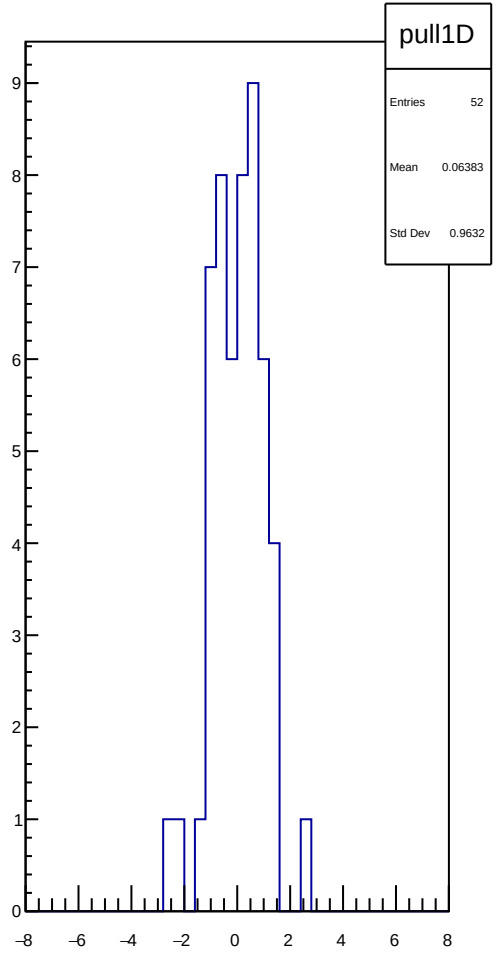

diff_bpm1p03aX_rms vs run
χ² / ndf 5940 / 44
p0 2831 ± 2.905
3600
3400
3200
3000
2800
2600
2400
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

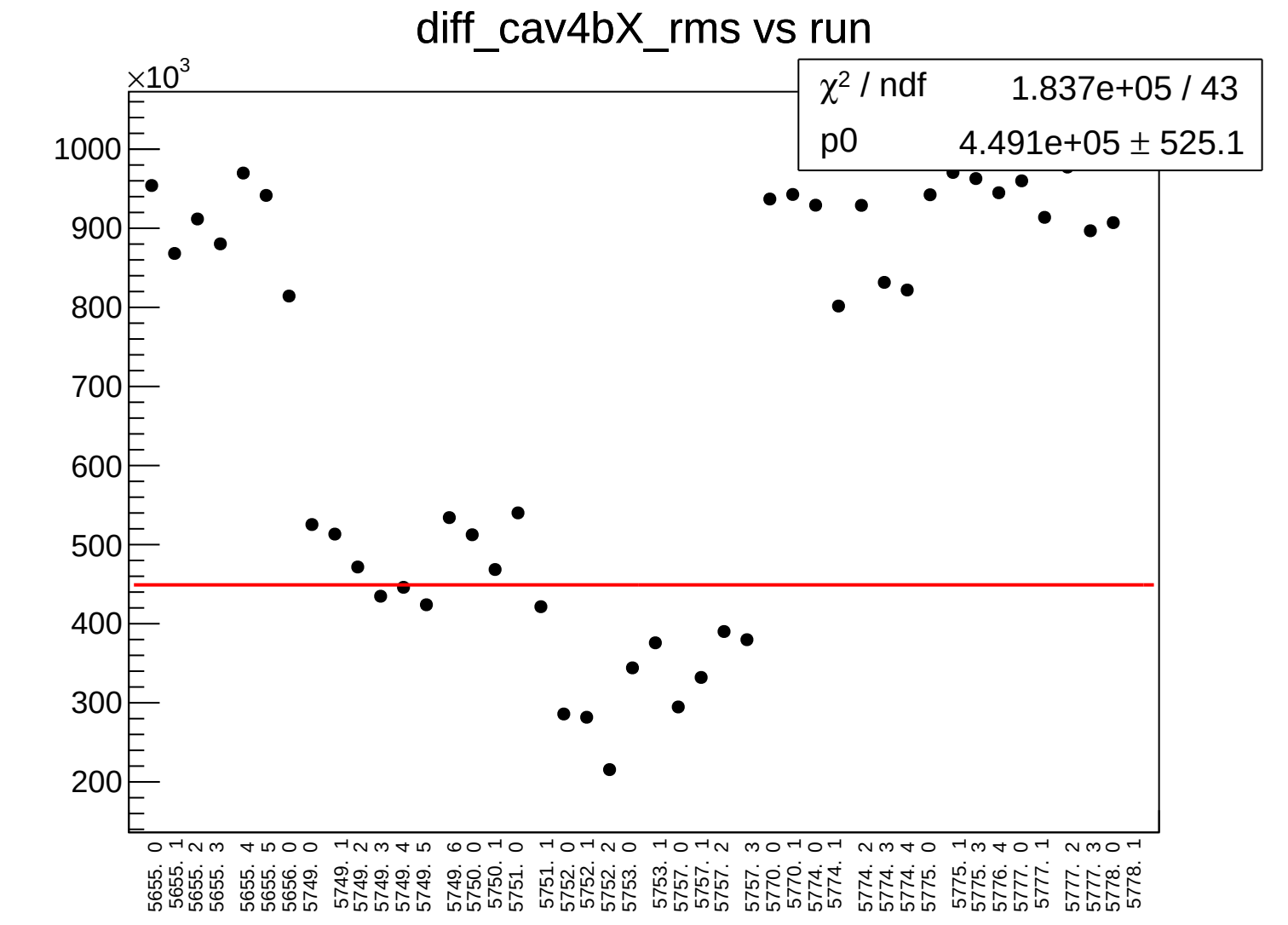

diff_bpm1p03aY_mean vs run
χ² / ndf 59.97 / 51
p0 −1.352 ± 2.373
60000
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 17.13
Std Dev 0
2
1
0
−1
−2

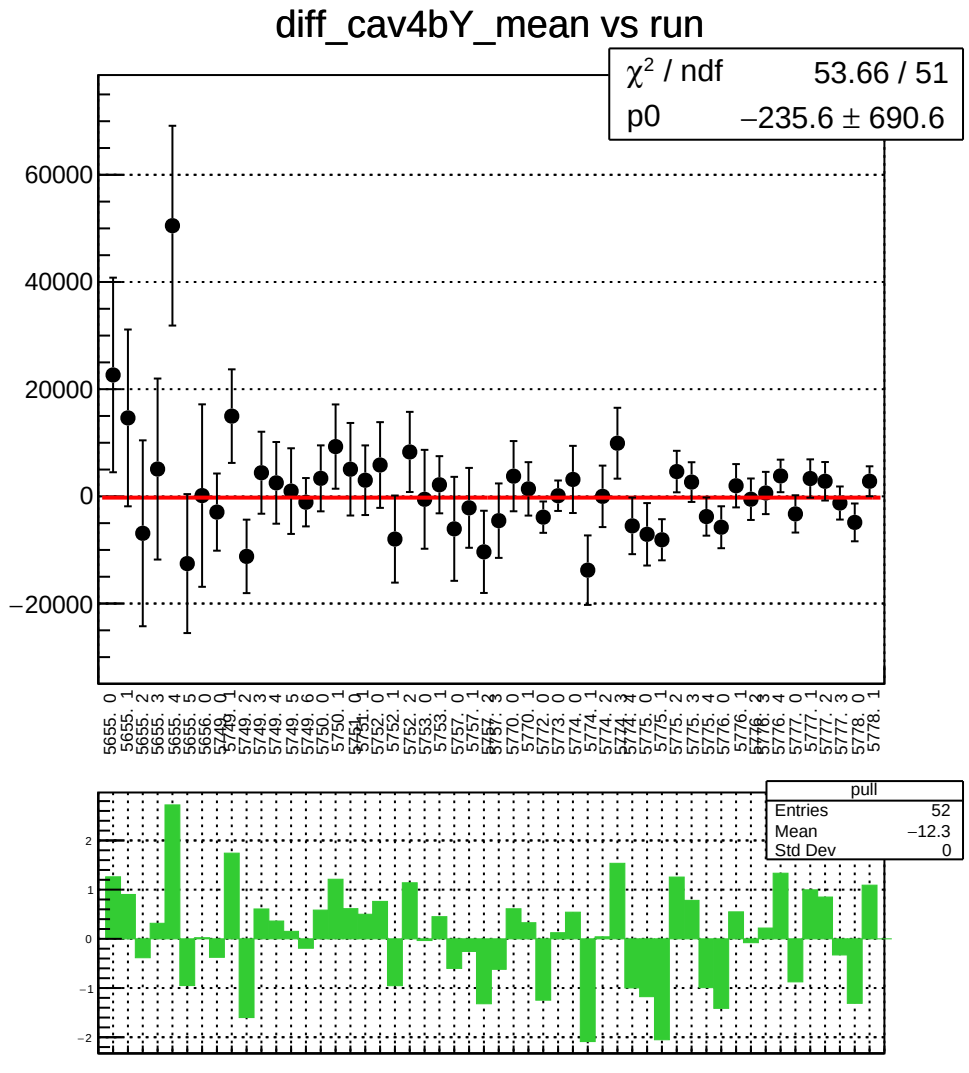

pull1D
Entries 52
Mean −0.02508
Std Dev 1.074
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

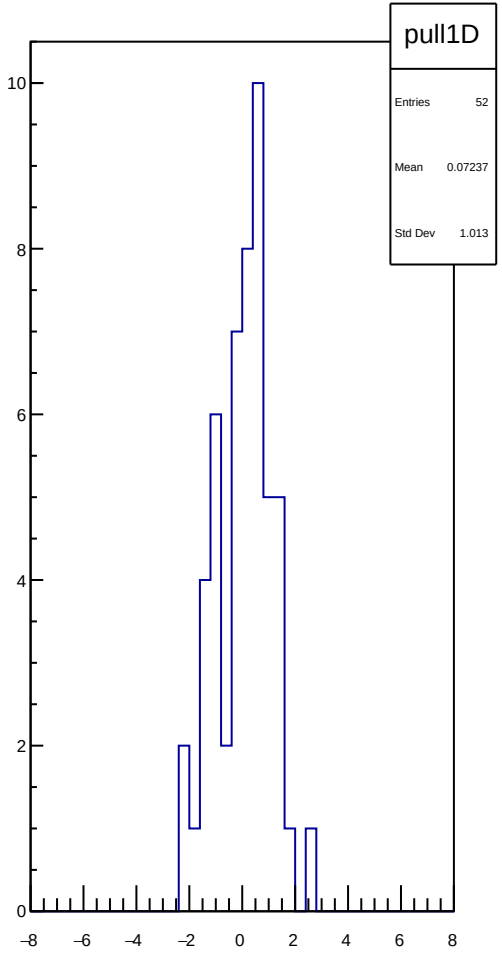

diff_bpm1p03aY_rms vs run
χ² / ndf 1.901e+05 / 44
p0 1468 ± 1.678
5000
4500
4000
3500
3000
2500
2000
1500
1000
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

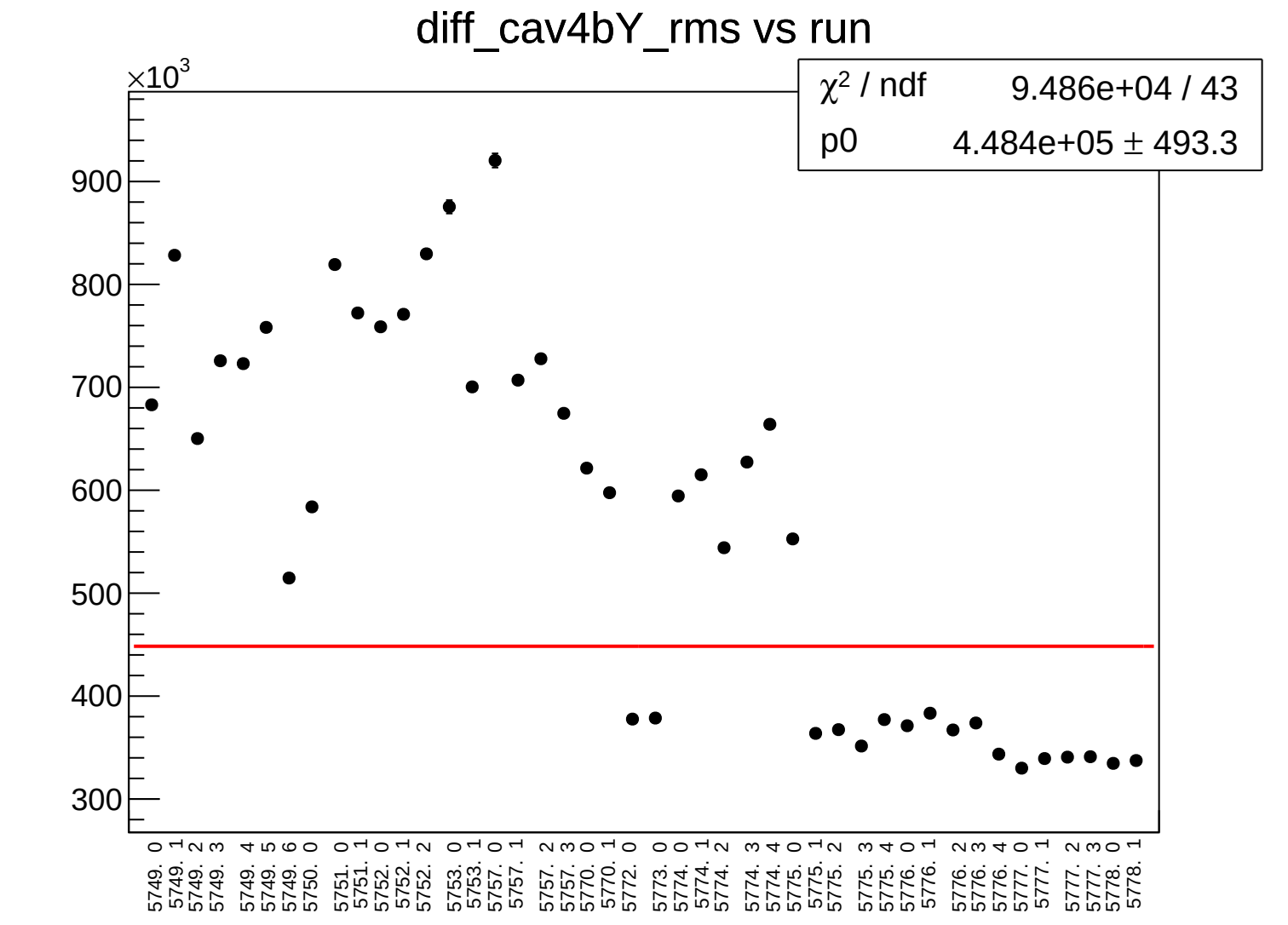

diff_cav4bX_mean vs run
χ² / ndf 48.45 / 51
p0 238.2 ± 726.3
40000
30000
20000
10000
0
−10000
−20000
pull
Entries 52
Mean 6.592
Std Dev 24.22
2
1
0
−1
−2

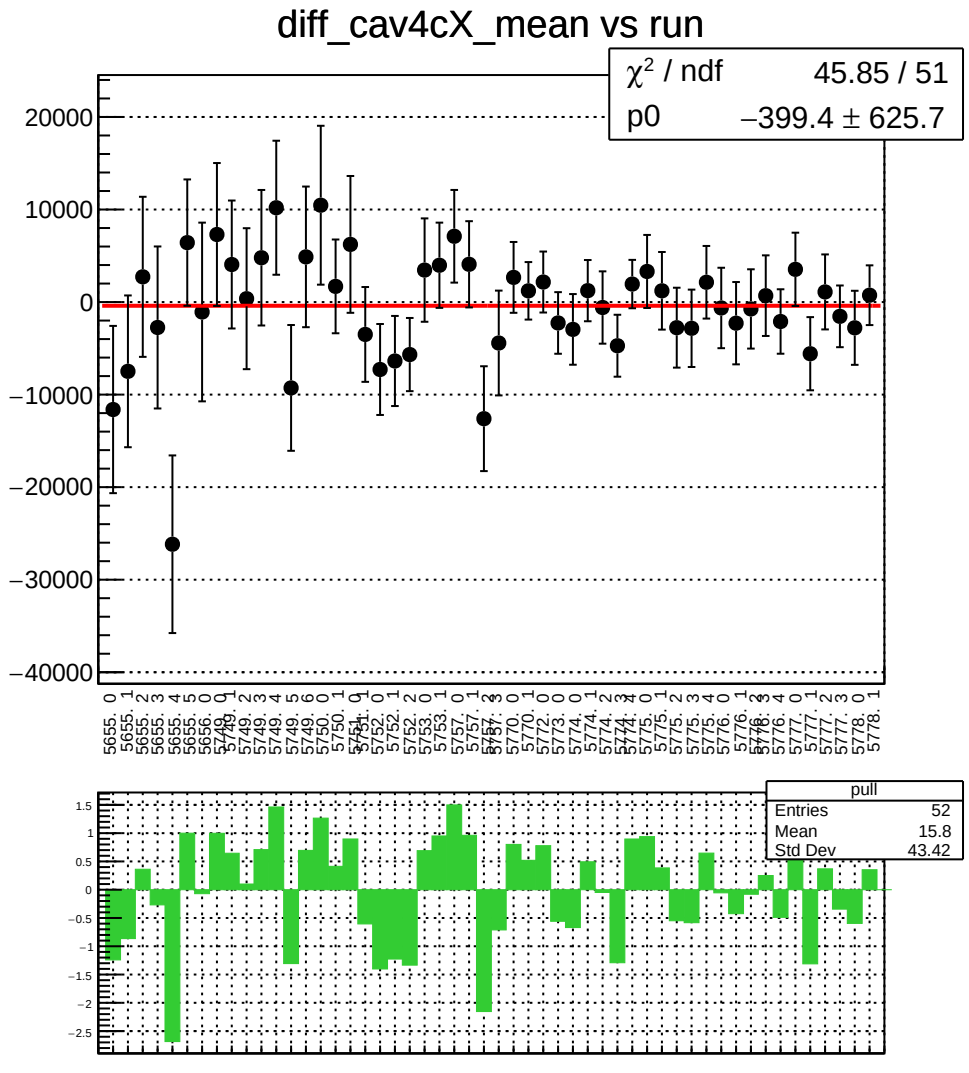

pull1D
Entries 52
Mean 0.06383
Std Dev 0.9632
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

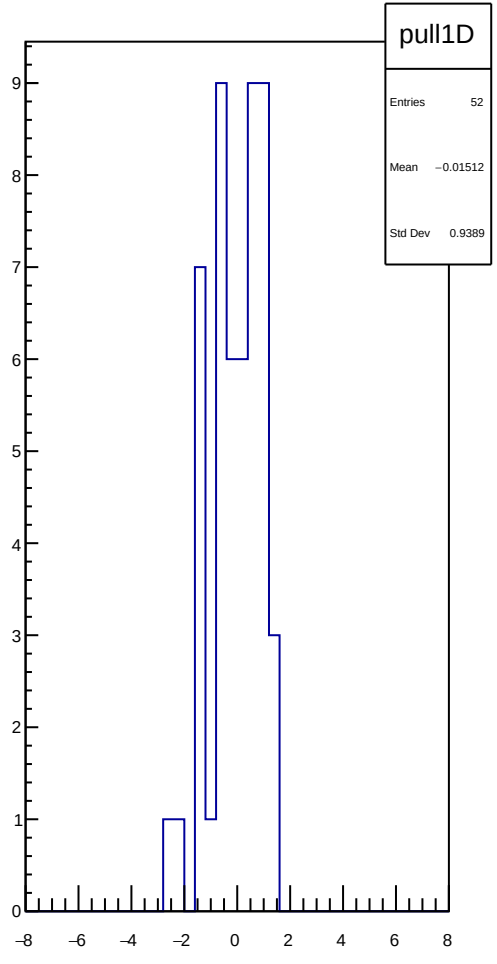

diff_cav4bX_rms vs run
×10^3
χ² / ndf 1.837e+05 / 43
p0 4.491e+05 ± 525.1
1000
900
800
700
600
500
400
300
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

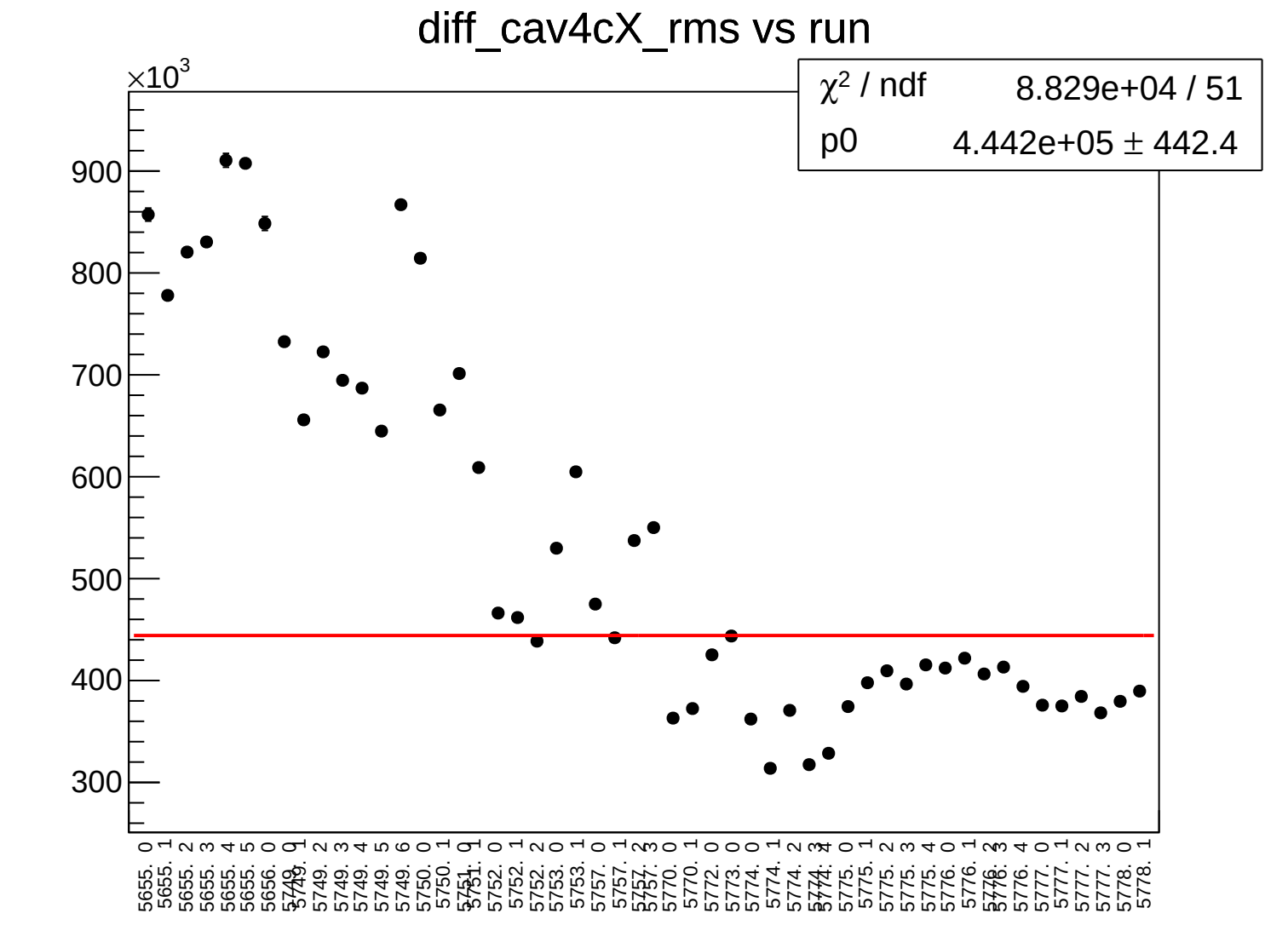

diff_cav4bY_mean vs run
χ² / ndf 53.66 / 51
p0 −235.6 ± 690.6
60000
40000
20000
0
−20000
pull
Entries 52
Mean −12.3
Std Dev 0
2
1
0
−1
−2

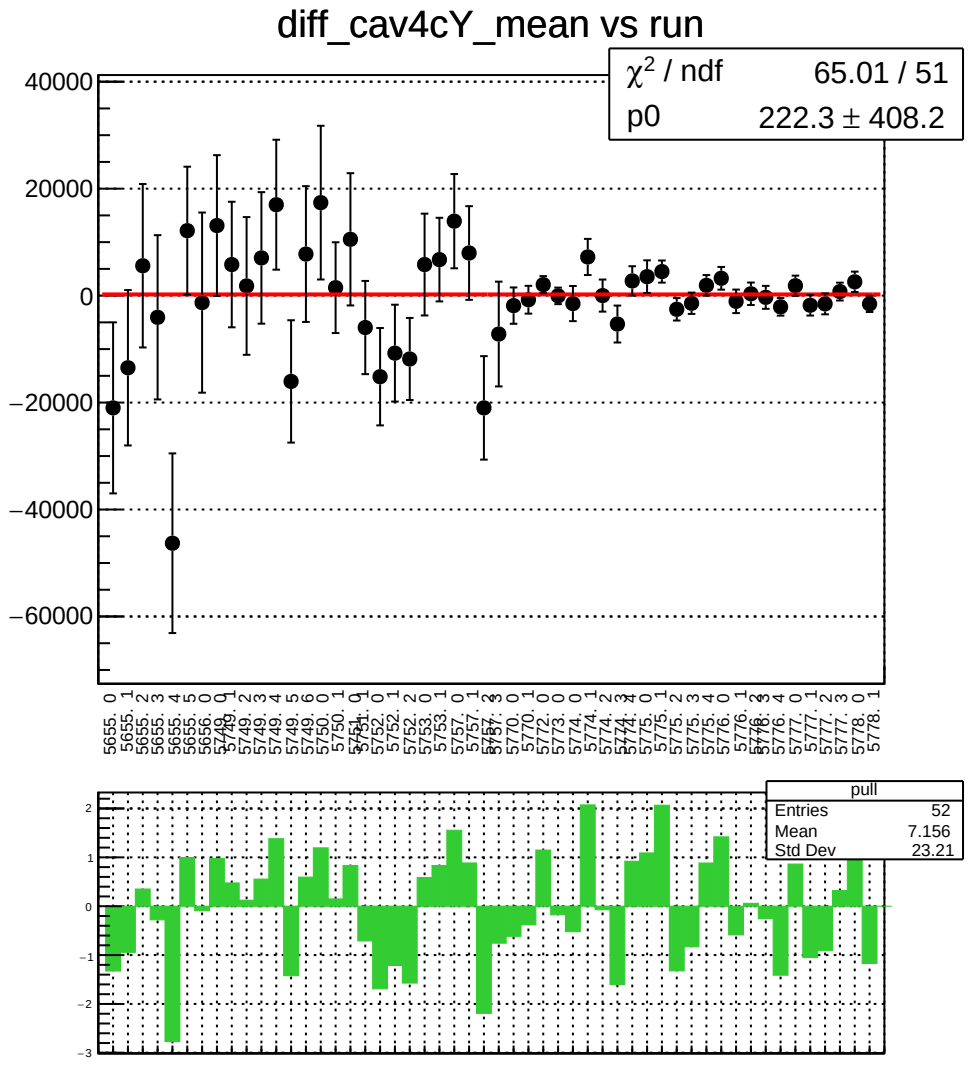

pull1D
Entries 52
Mean 0.07237
Std Dev 1.013
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

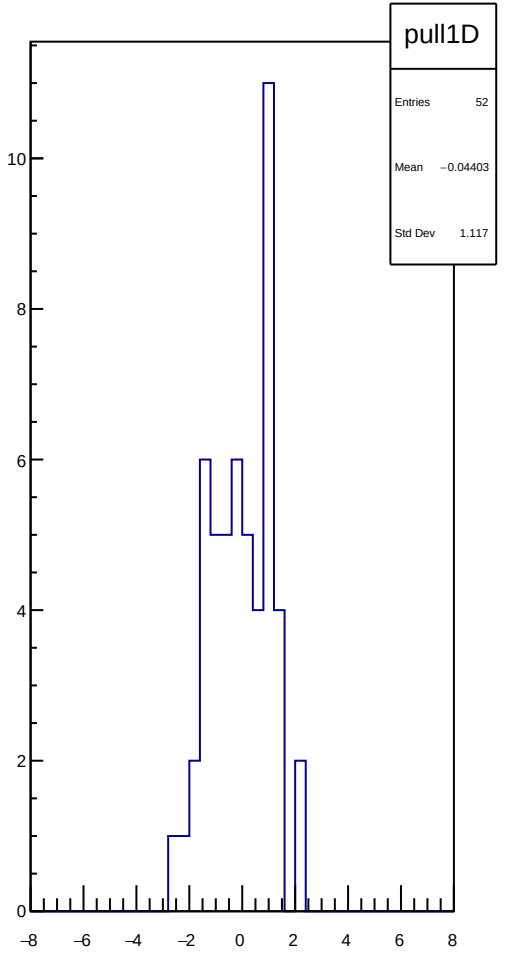

diff_cav4bY_rms vs run
×10^3
χ² / ndf 9.486e+04 / 43
p0 4.484e+05 ± 493.3
900
800
700
600
500
400
300
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

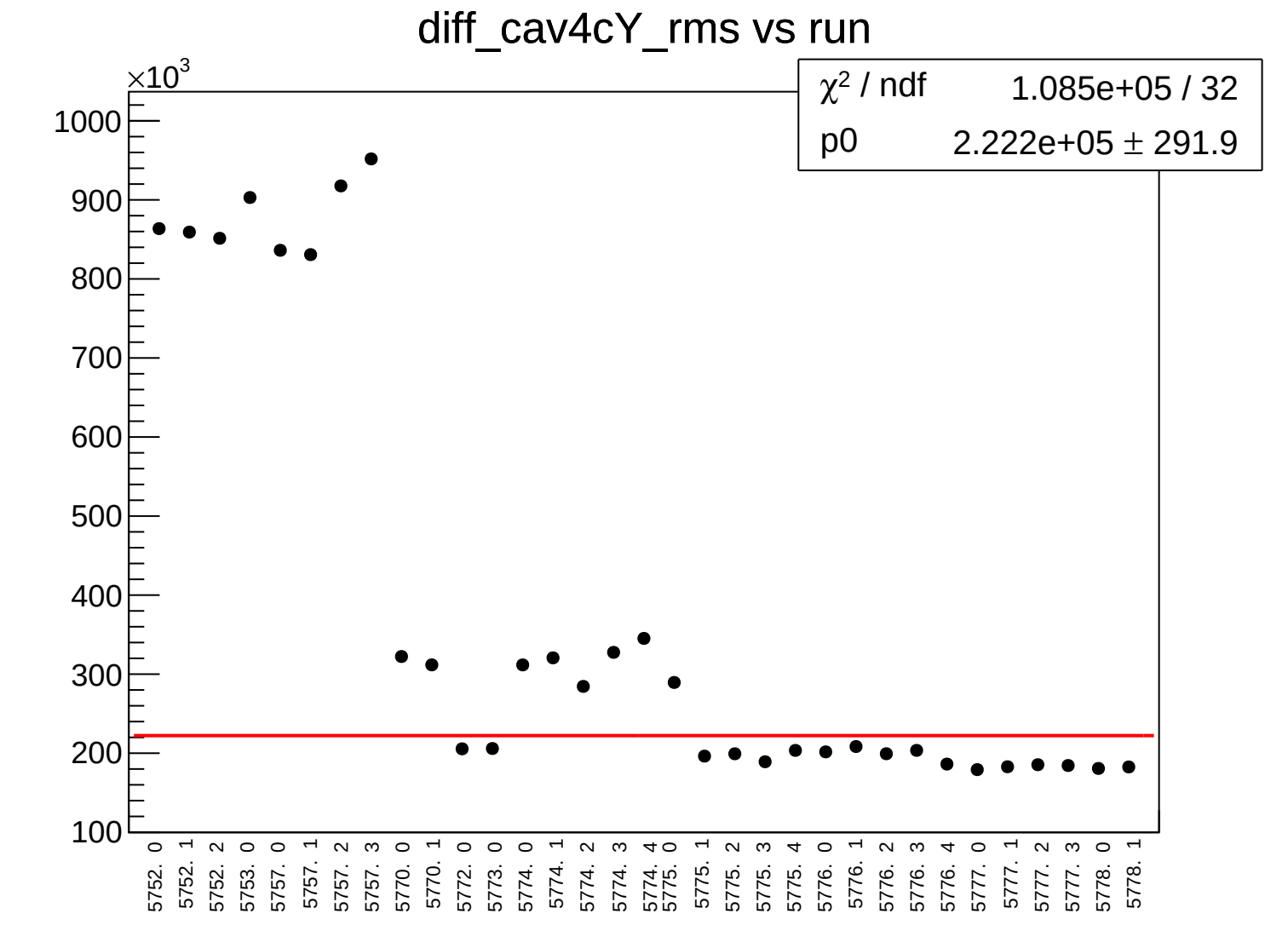

diff_cav4cX_mean vs run
χ² / ndf 45.85 / 51
p0 −399.4 ± 625.7
pull
Entries 52
Mean 15.8
Std Dev 43.42

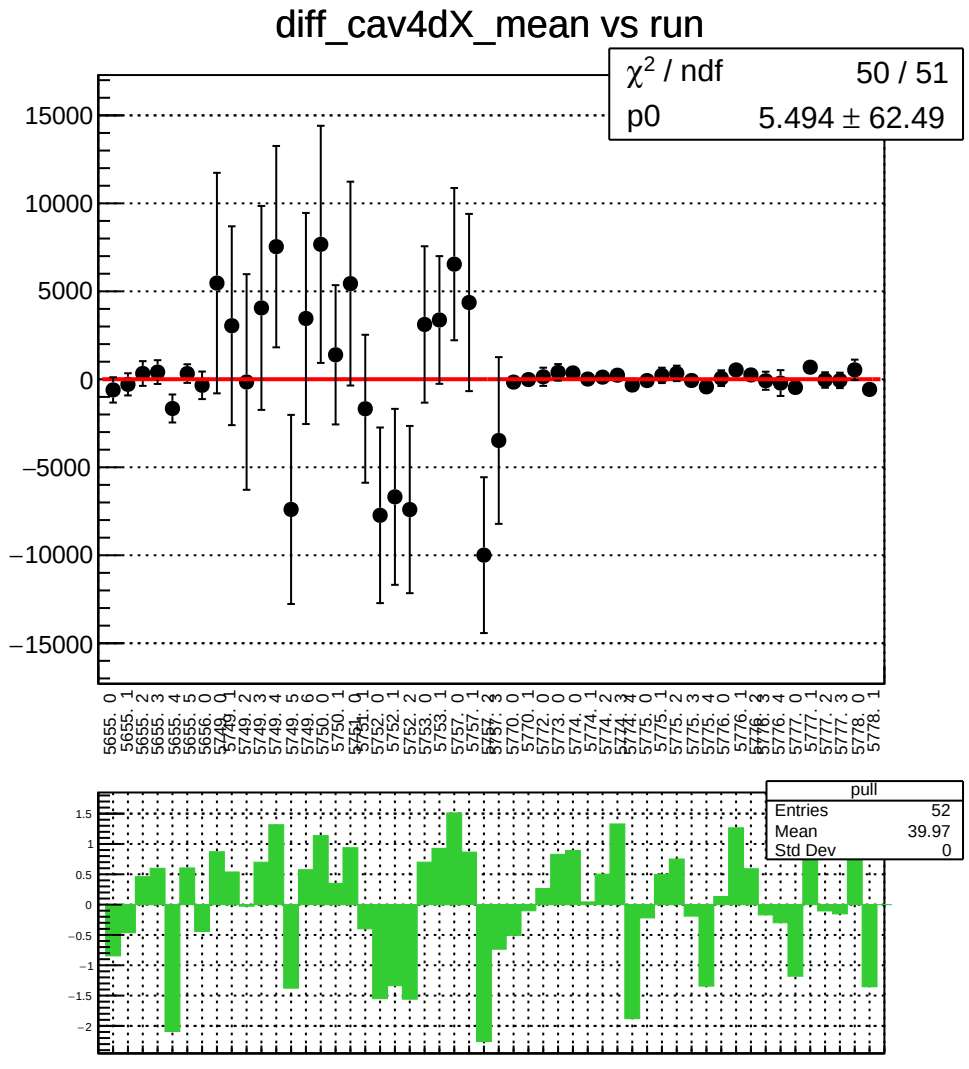

pull1D
Entries 52
Mean −0.01512
Std Dev 0.9389

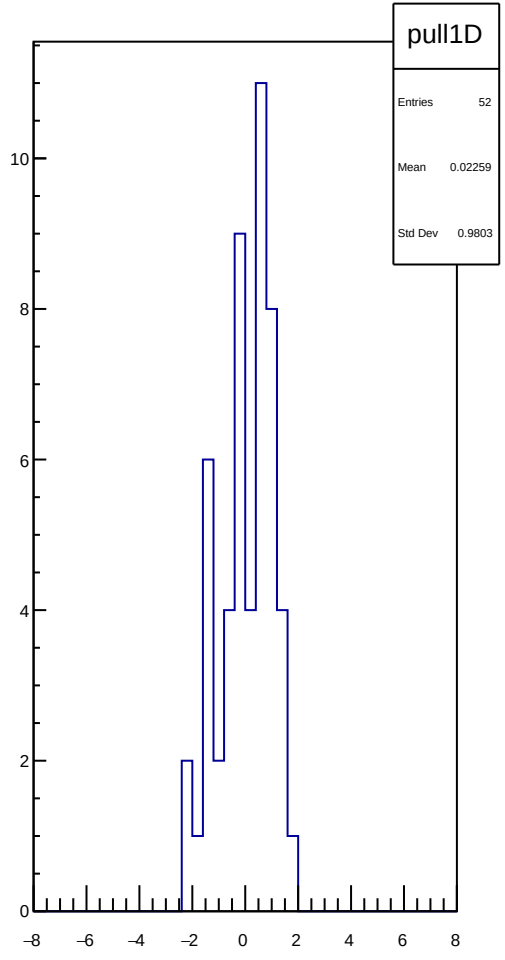

diff_cav4cX_rms vs run
×10^3
χ² / ndf 8.829e+04 / 51
p0 4.442e+05 ± 442.4
900
800
700
600
500
400
300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

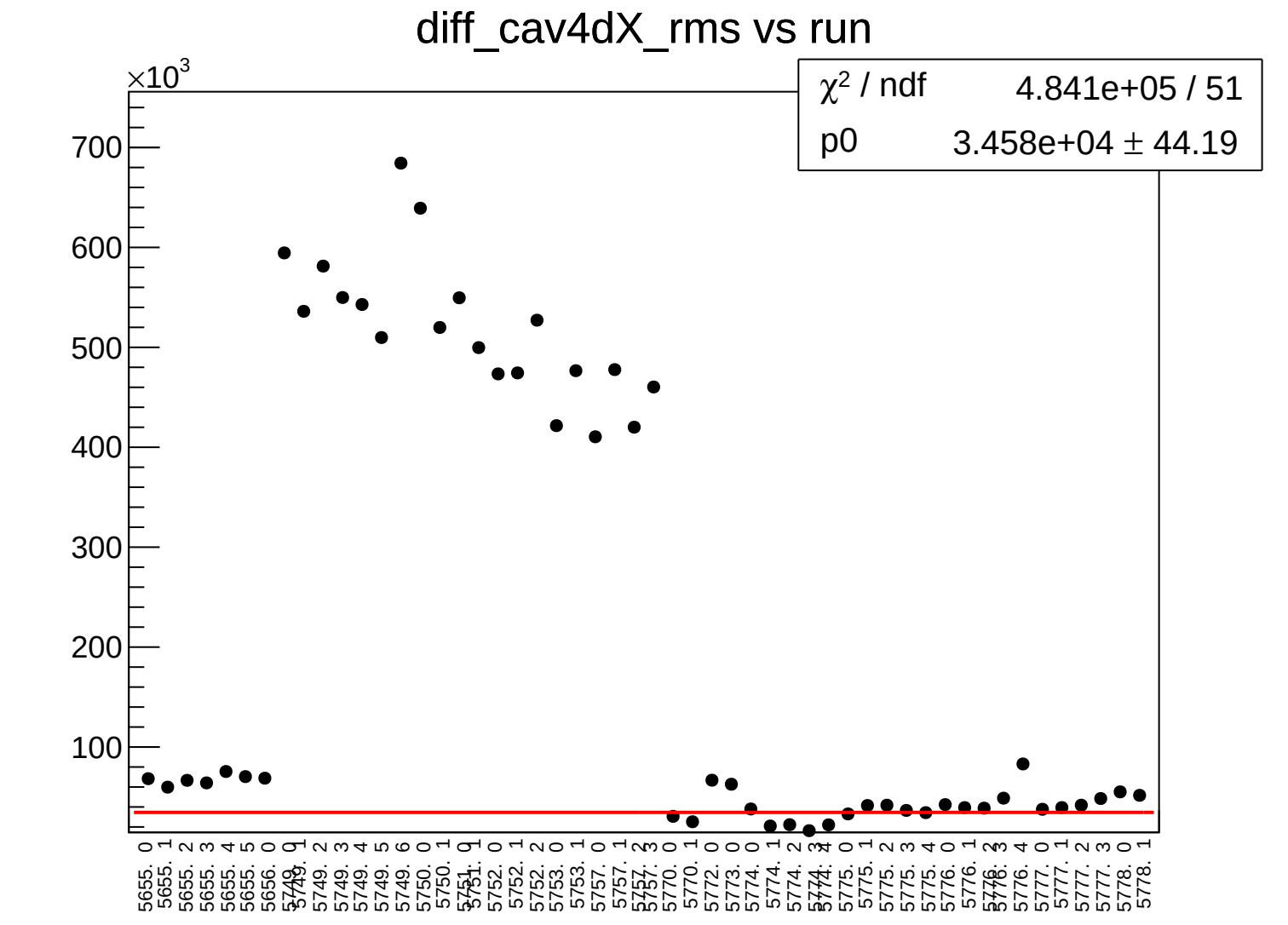

diff_cav4cY_mean vs run
χ² / ndf 65.01 / 51
p0 222.3 ± 408.2
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean 7.156
Std Dev 23.21
2
1
0
−1
−2
−3

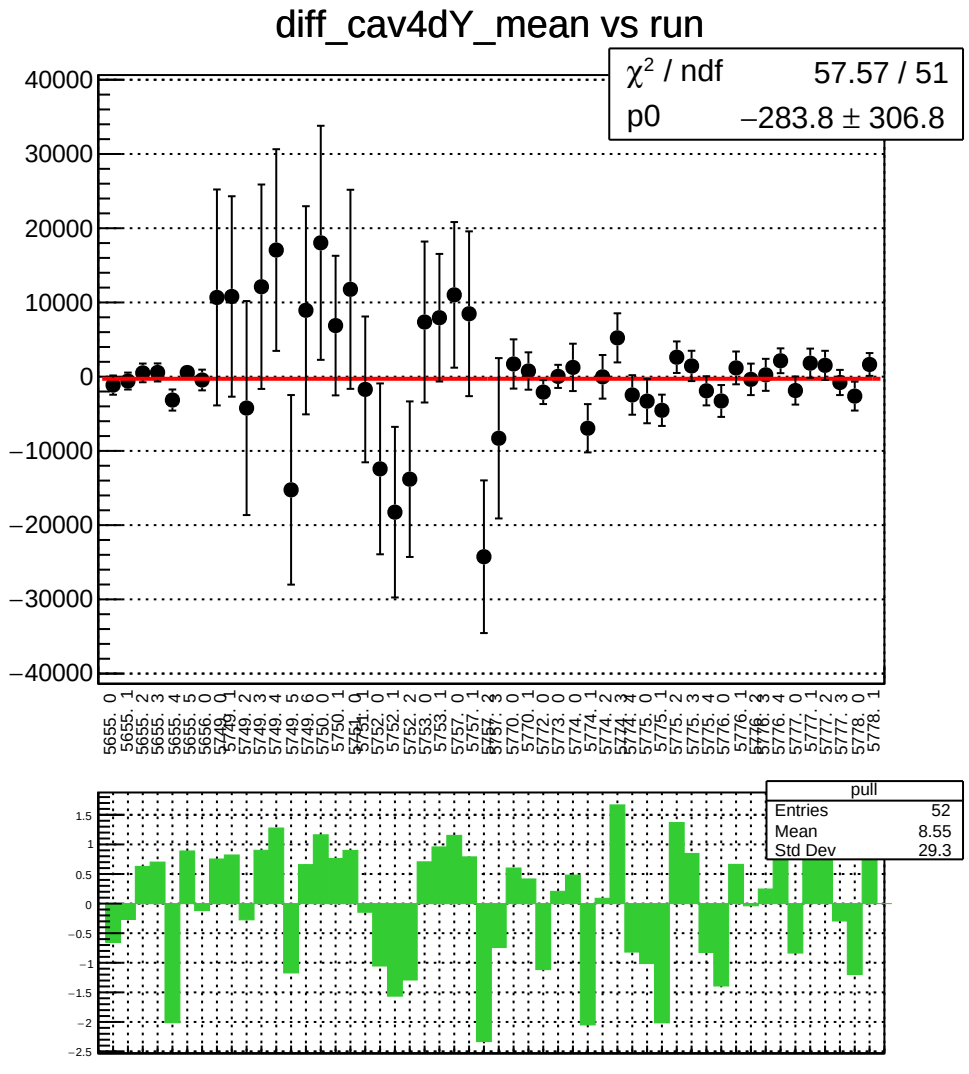

pull1D
Entries 52
Mean −0.04403
Std Dev 1.117
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

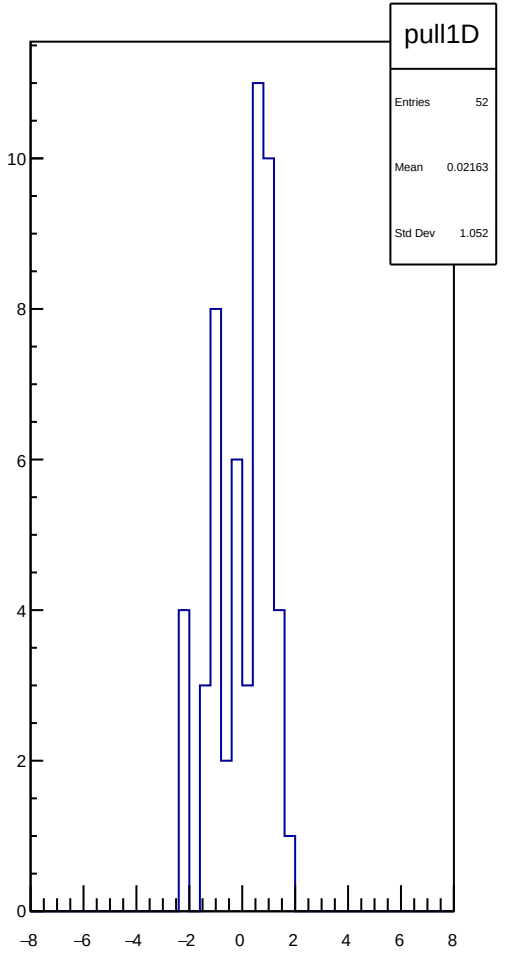

diff_cav4cY_rms vs run
×10^3
χ² / ndf 1.085e+05 / 32
p0 2.222e+05 ± 291.9
1000
900
800
700
600
500
400
300
200
100
5752. 0
5752. 1
5752. 2
5753. 0
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

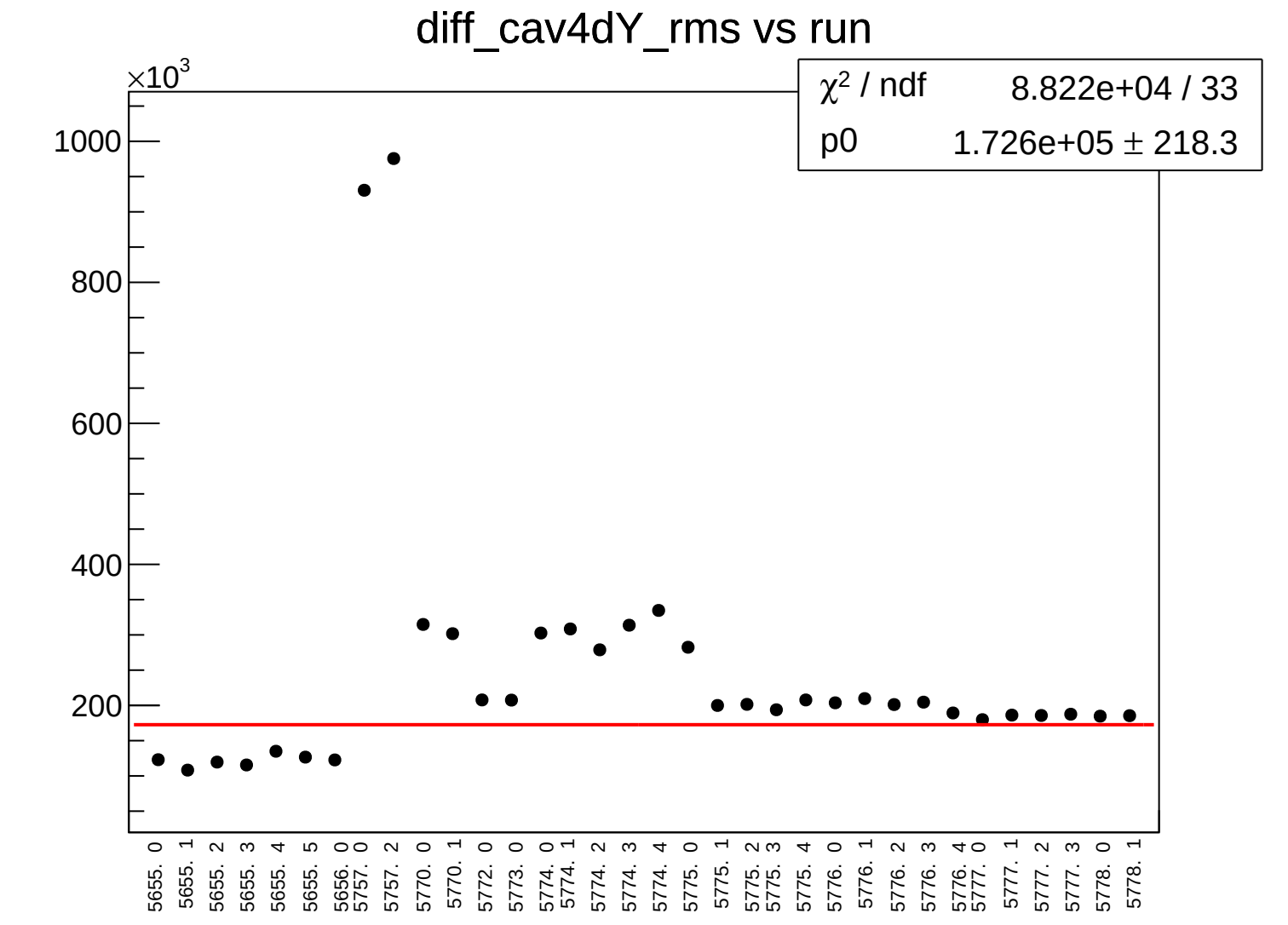

diff_cav4dX_mean vs run
χ² / ndf 50 / 51
p0 5.494 ± 62.49
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 52
Mean 39.97
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

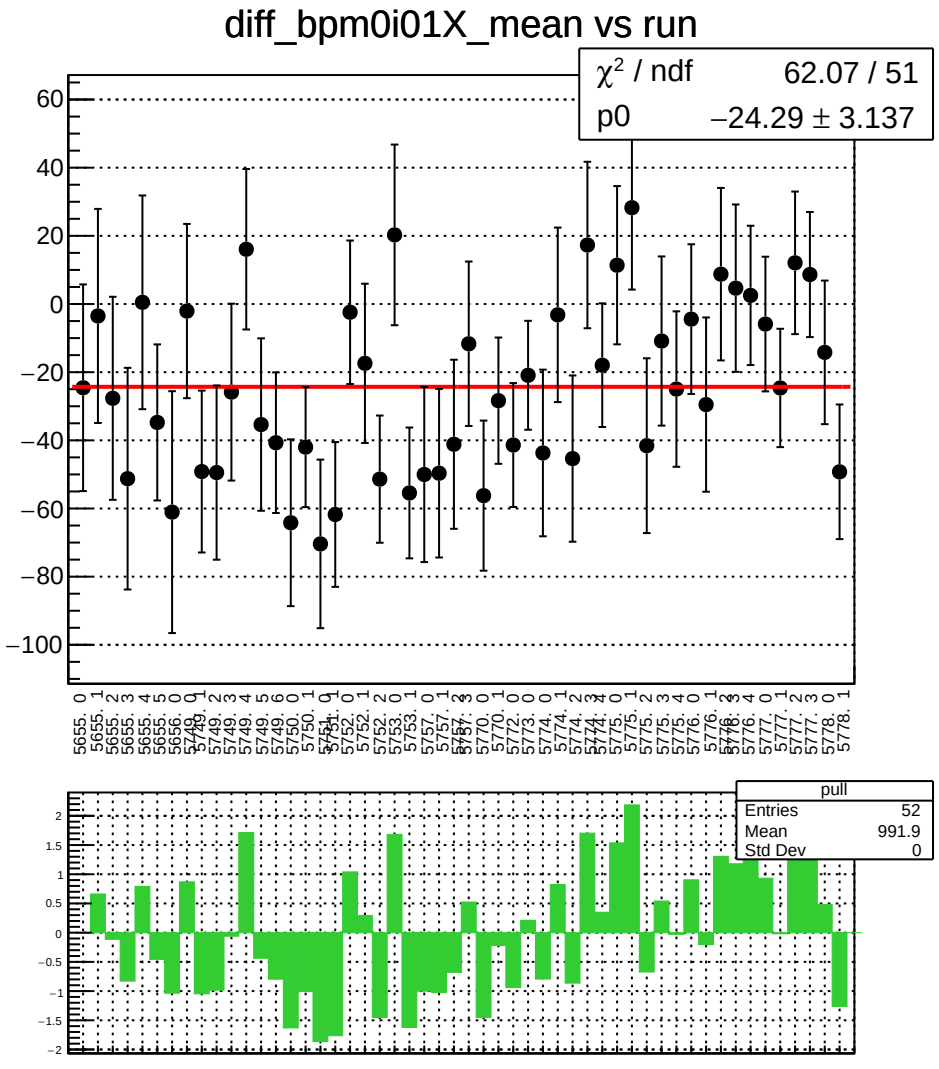

pull1D
Entries 52
Mean 0.02259
Std Dev 0.9803
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

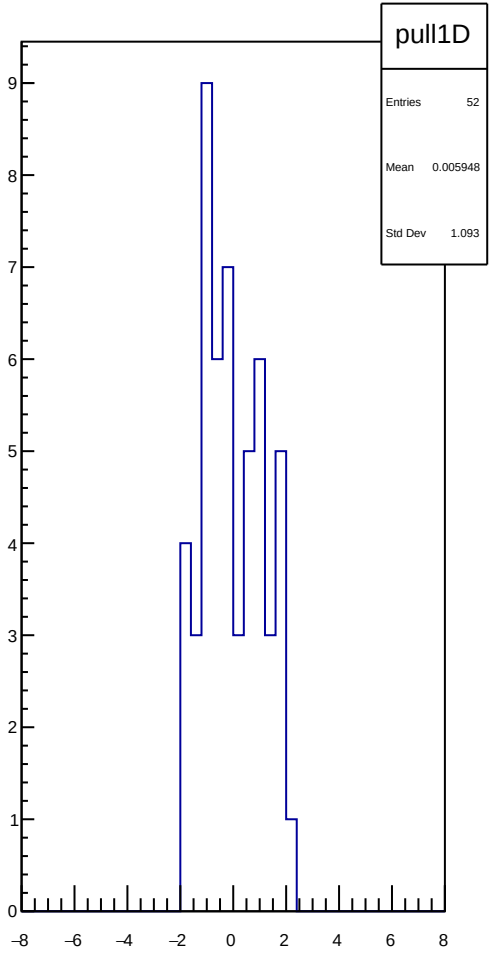

diff_cav4dX_rms vs run
×10^3
χ² / ndf 4.841e+05 / 51
p0 3.458e+04 ± 44.19
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

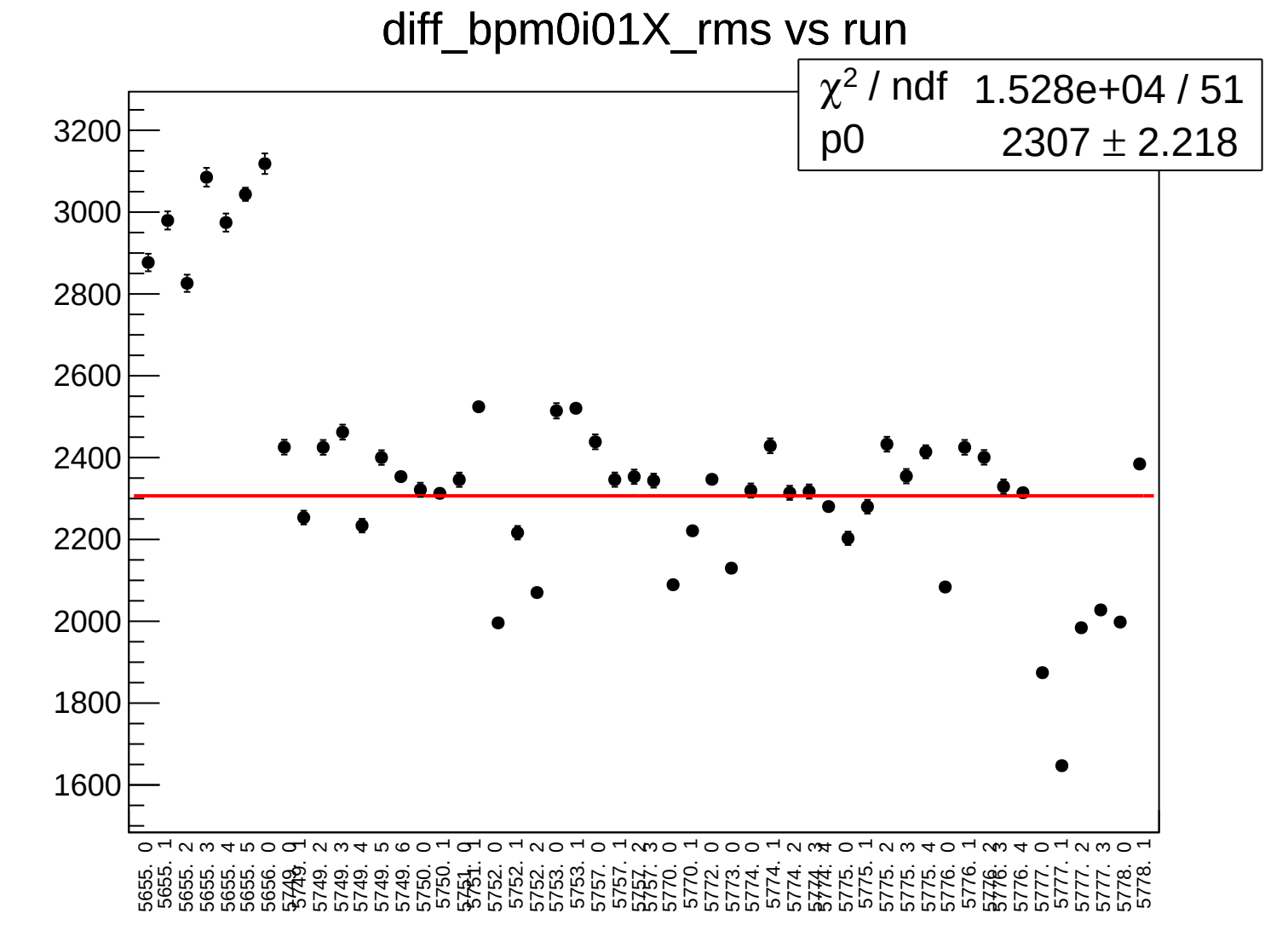

diff_cav4dY_mean vs run
χ² / ndf 57.57 / 51
p0 −283.8 ± 306.8
pull
Entries 52
Mean 8.55
Std Dev 29.3

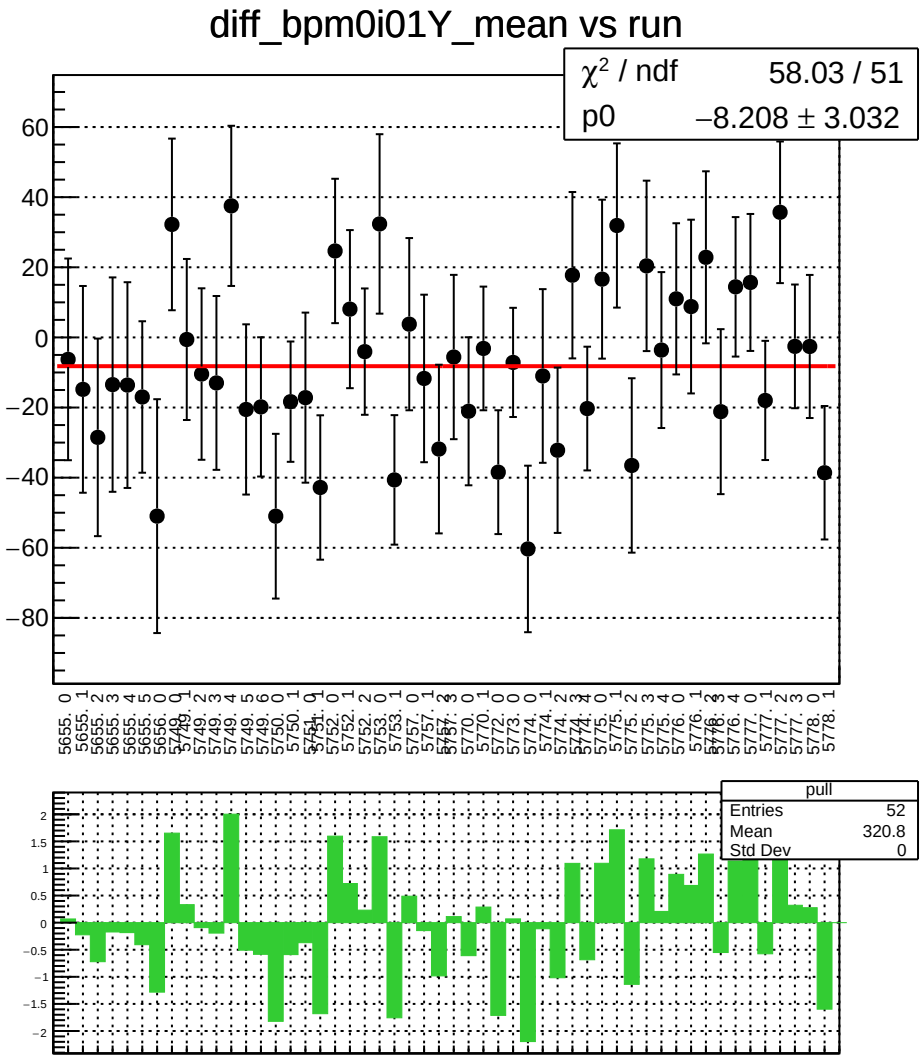

pull1D
Entries 52
Mean 0.02163
Std Dev 1.052

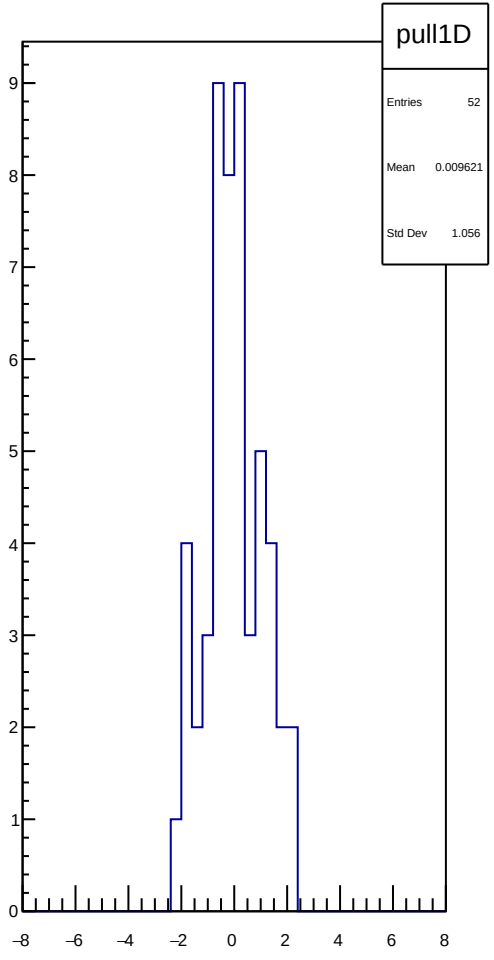

diff_cav4dY_rms vs run
×10^3
1000
800
600
400
200
χ² / ndf 8.822e+04 / 33
p0 1.726e+05 ± 218.3
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5757. 0
5757. 2
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

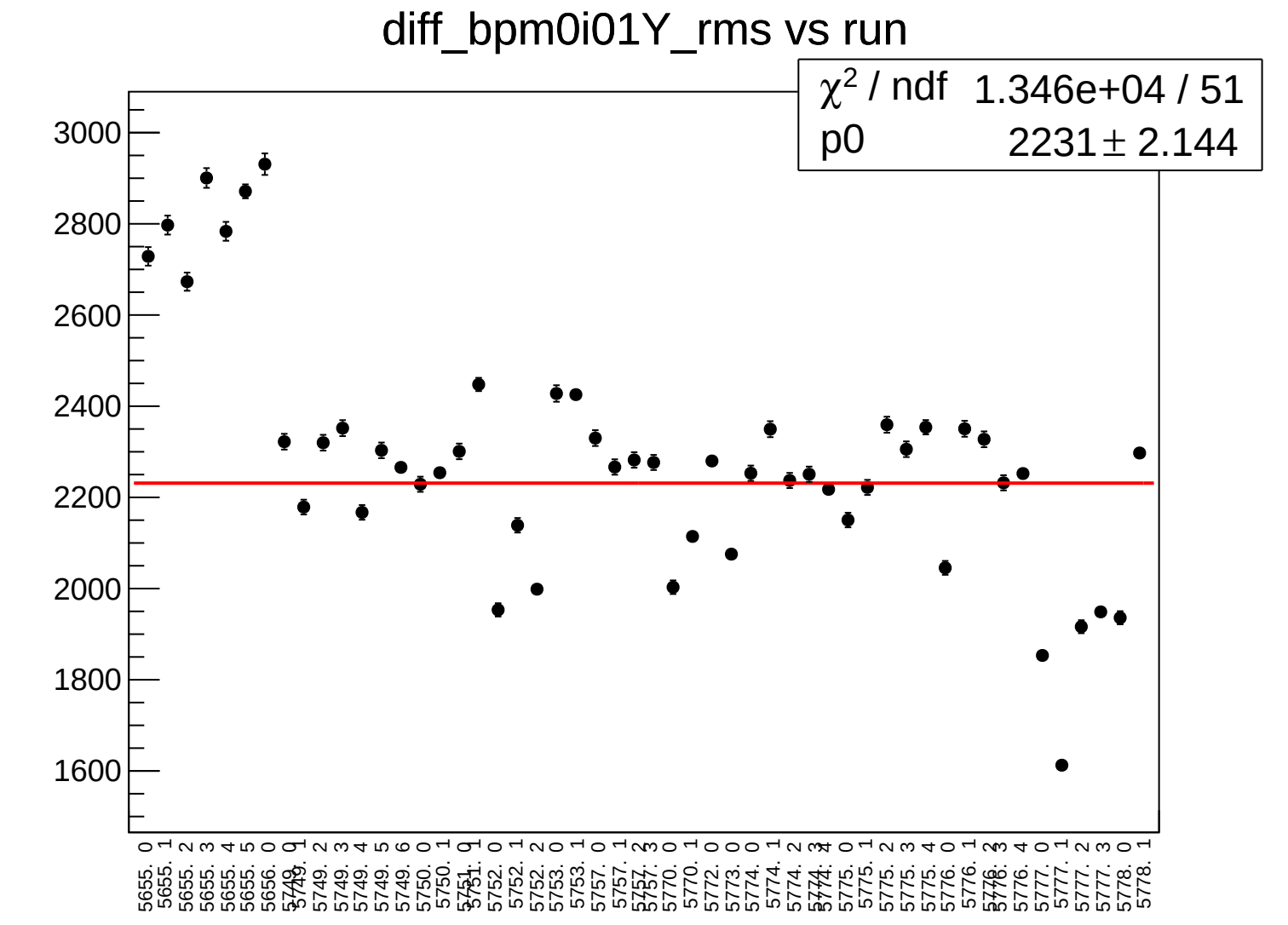

diff_bpm0i01X_mean vs run
χ² / ndf 62.07 / 51
p0 −24.29 ± 3.137
pull
Entries 52
Mean 991.9
Std Dev 0

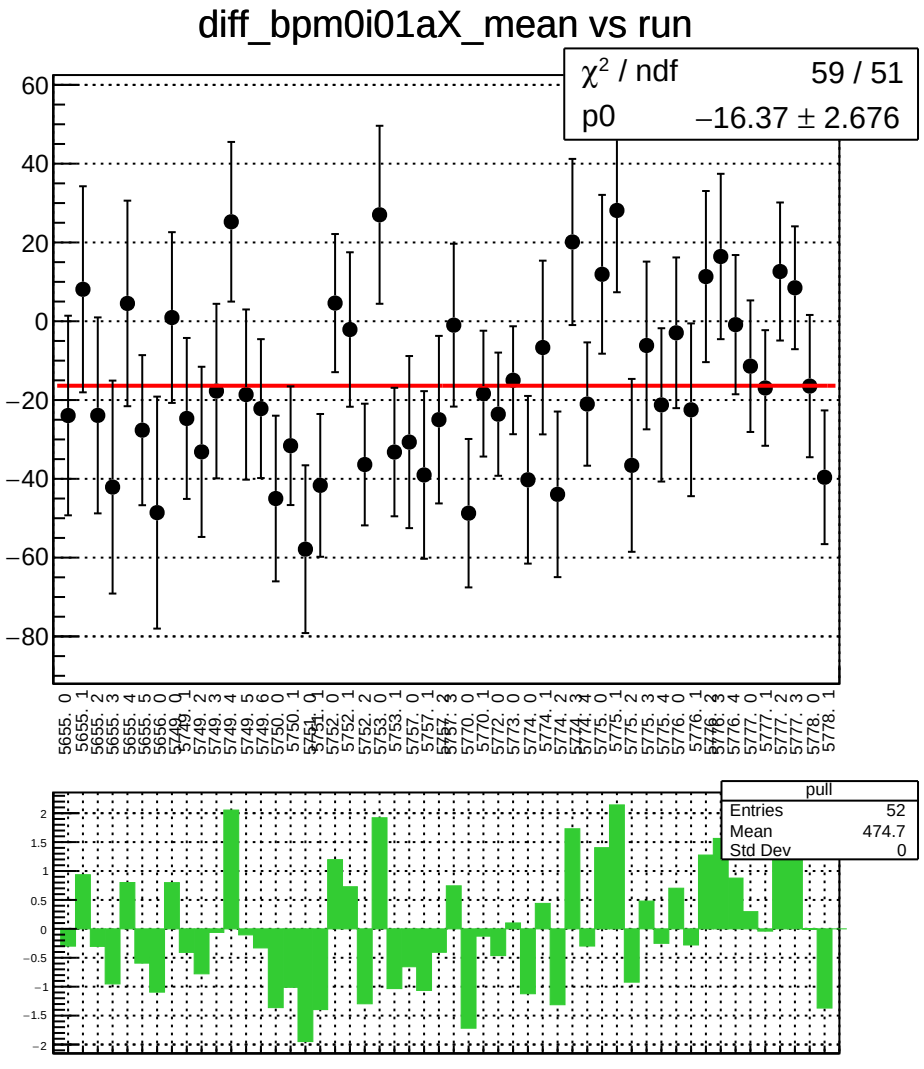

pull1D
Entries 52
Mean 0.005948
Std Dev 1.093

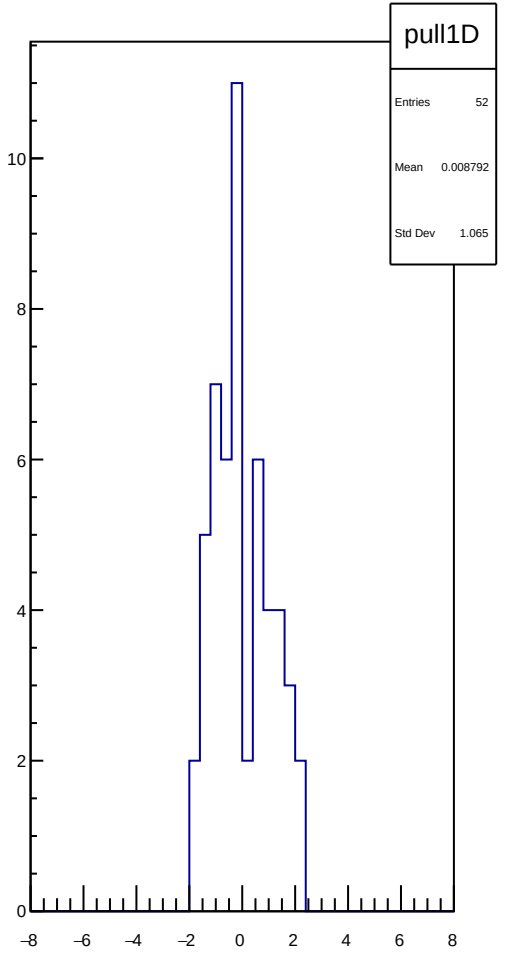

diff_bpm0i01X_rms vs run
χ^2 / ndf 1.528e+04 / 51
p0 2307 ± 2.218
3200
3000
2800
2600
2400
2200
2000
1800
1600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

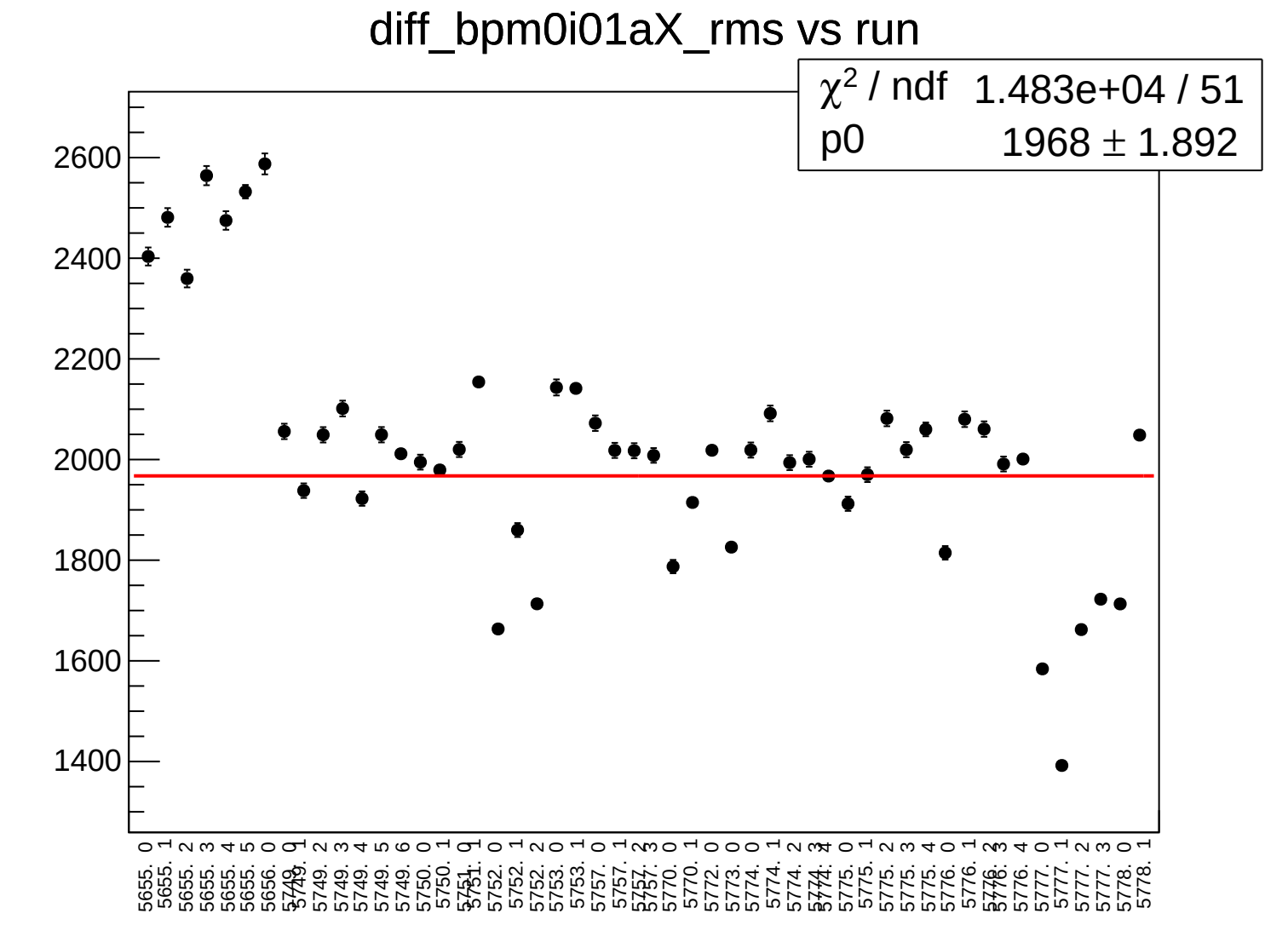

diff_bpm0i01Y_mean vs run
χ^2 / ndf 58.03 / 51
p0 −8.208 ± 3.032
pull
Entries 52
Mean 320.8
Std Dev 0


pull1D
Entries 52
Mean 0.009621
Std Dev 1.056


diff_bpm0i01Y_rms vs run
χ² / ndf 1.346e+04 / 51
p0 2231 ± 2.144
3000
2800
2600
2400
2200
2000
1800
1600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


diff_bpm0i01aX_mean vs run
χ² / ndf 59 / 51
p0 −16.37 ± 2.676
pull
Entries 52
Mean 474.7
Std Dev 0


pull1D
Entries 52
Mean 0.008792
Std Dev 1.065


diff_bpm0i01aX_rms vs run
χ^2 / ndf 1.483e+04 / 51
p0 1968 ± 1.892
2600
2400
2200
2000
1800
1600
1400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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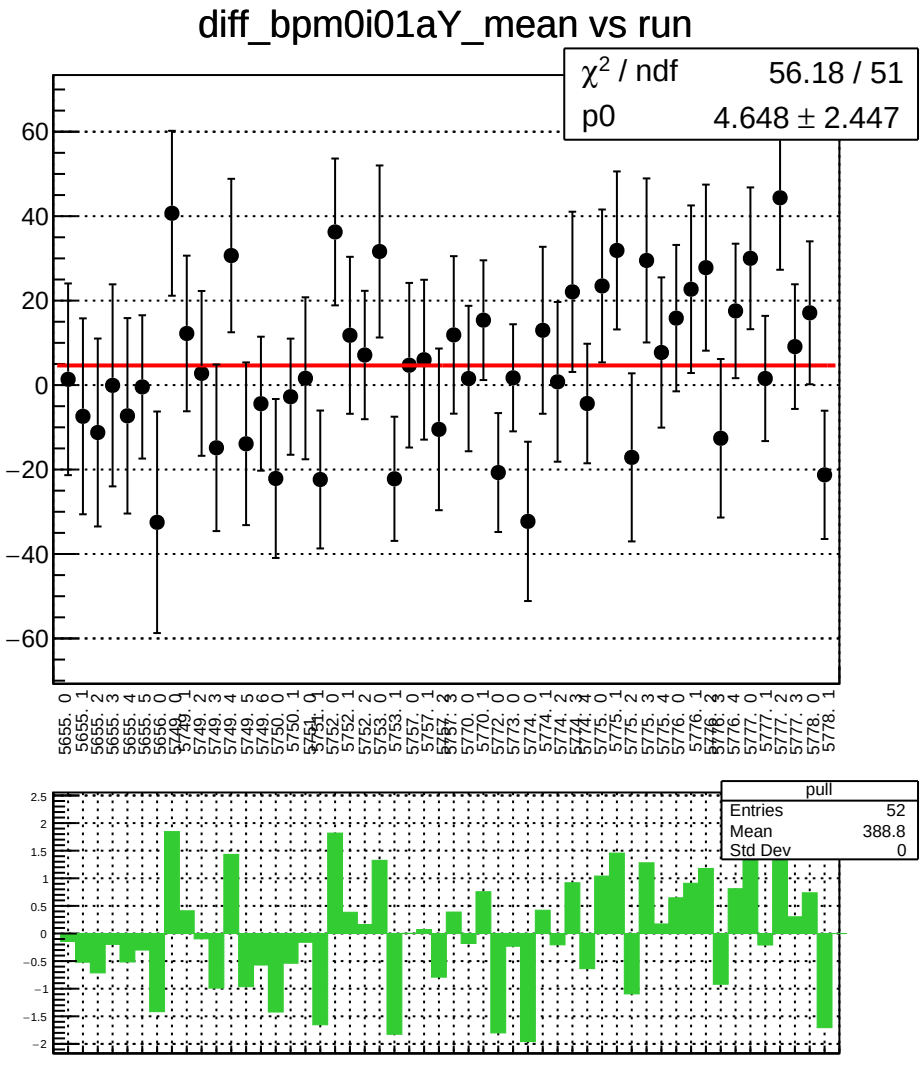
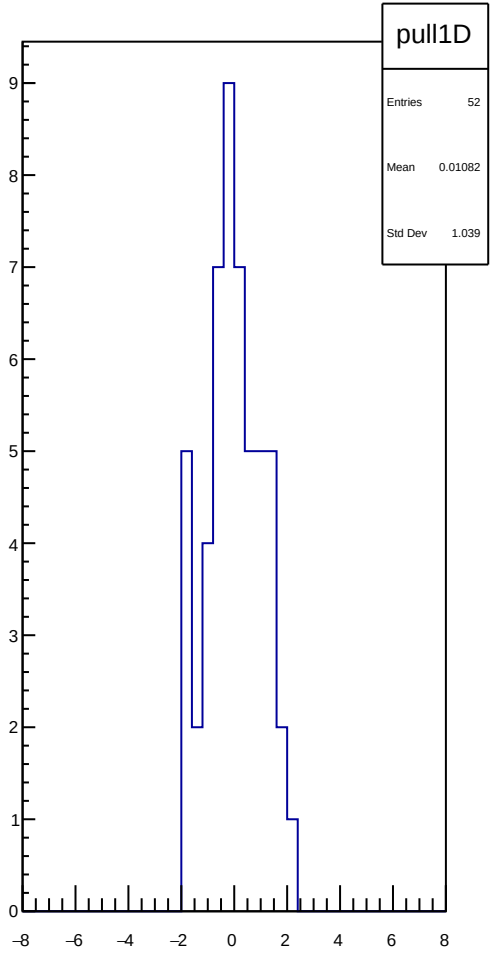
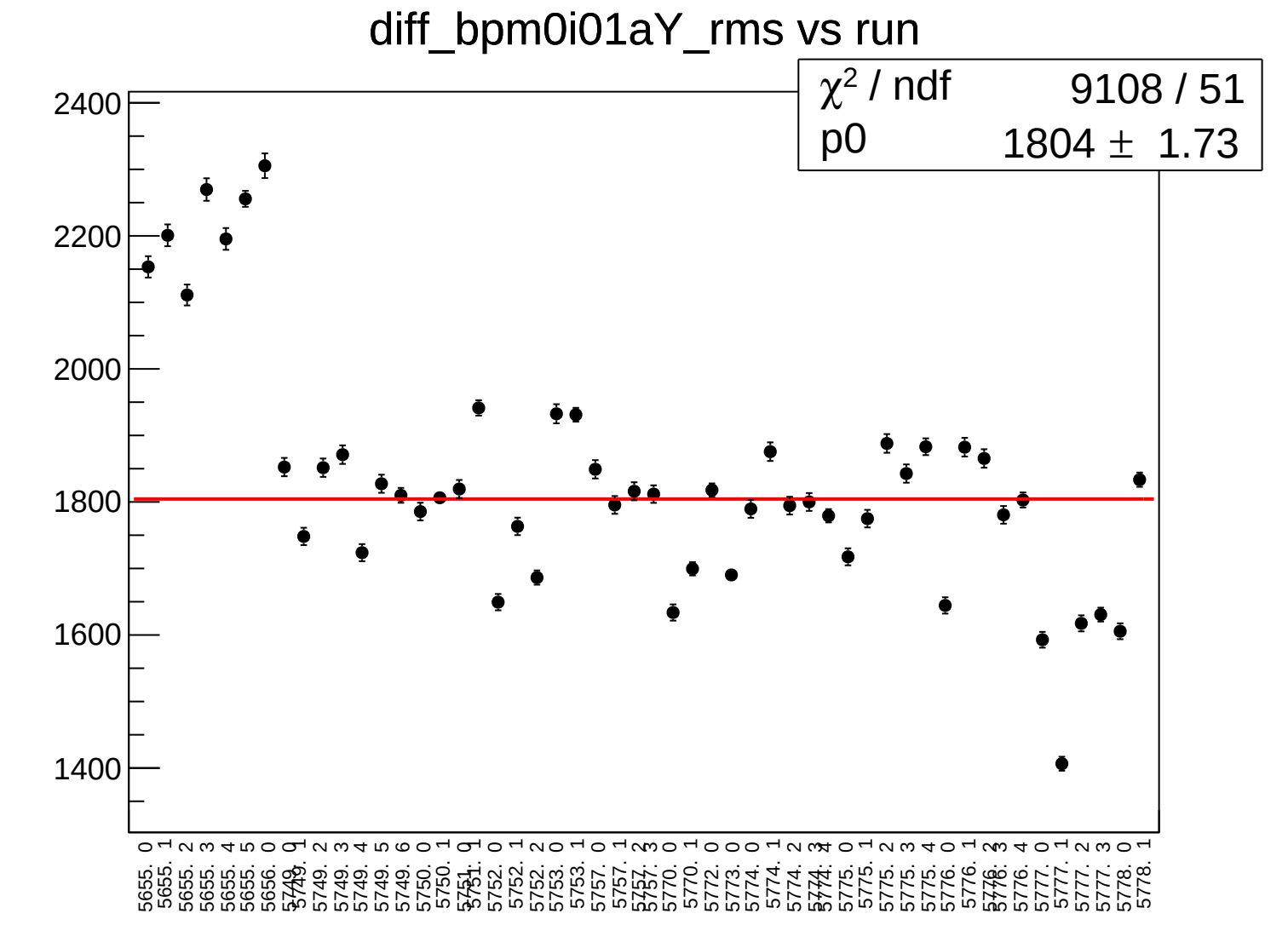
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


diff_bpm0i01aY_mean vs run
χ^2 / ndf 56.18 / 51
p0 4.648 ± 2.447
pull
Entries 52
Mean 388.8
Std Dev 0


pull1D
Entries 52
Mean 0.01082
Std Dev 1.039


diff_bpm0i01aY_rms vs run
χ² / ndf 9108 / 51
p0 1804 ± 1.73
2400
2200
2000
1800
1600
1400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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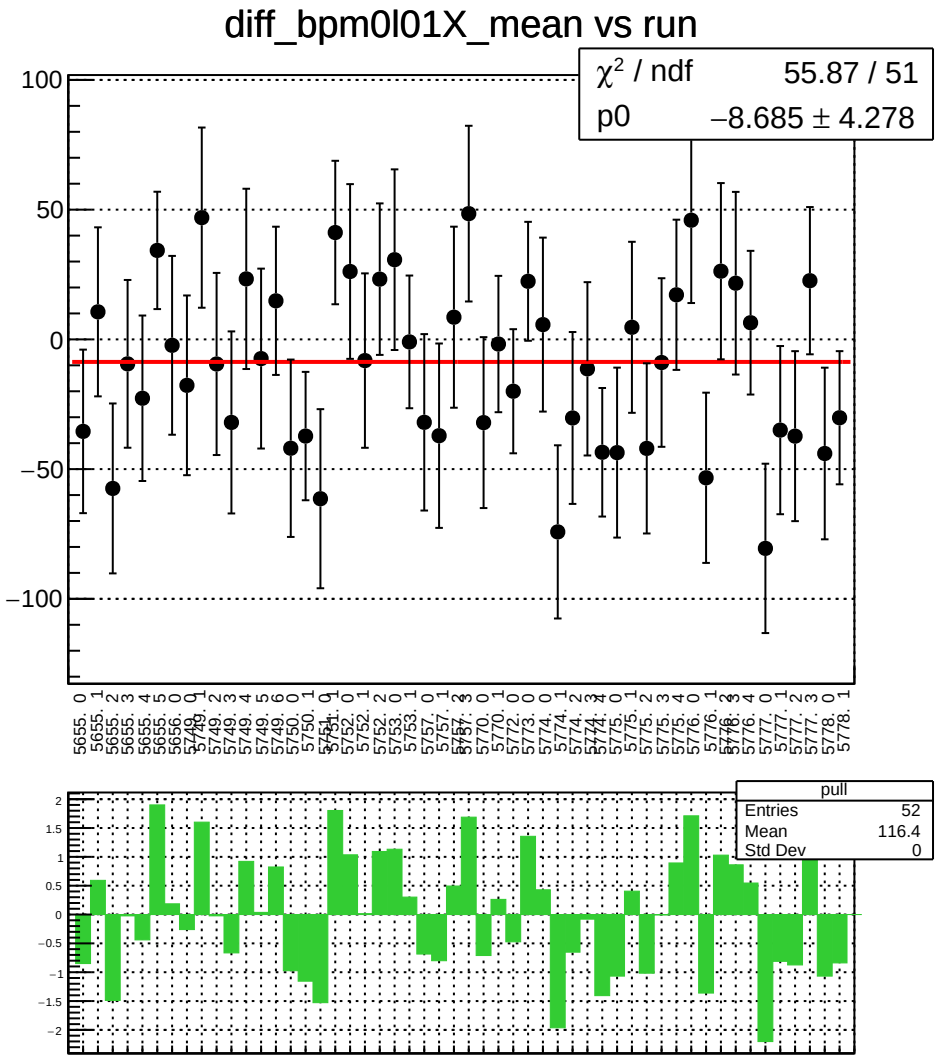
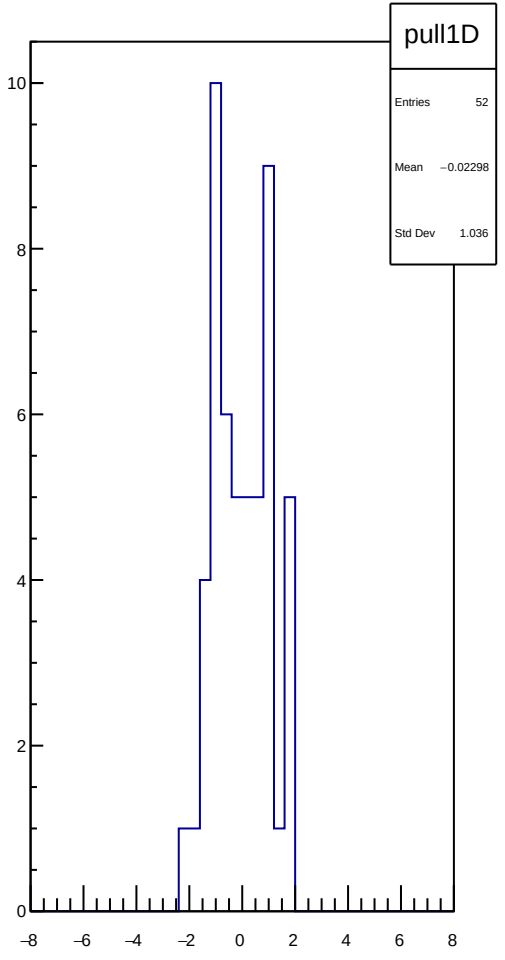
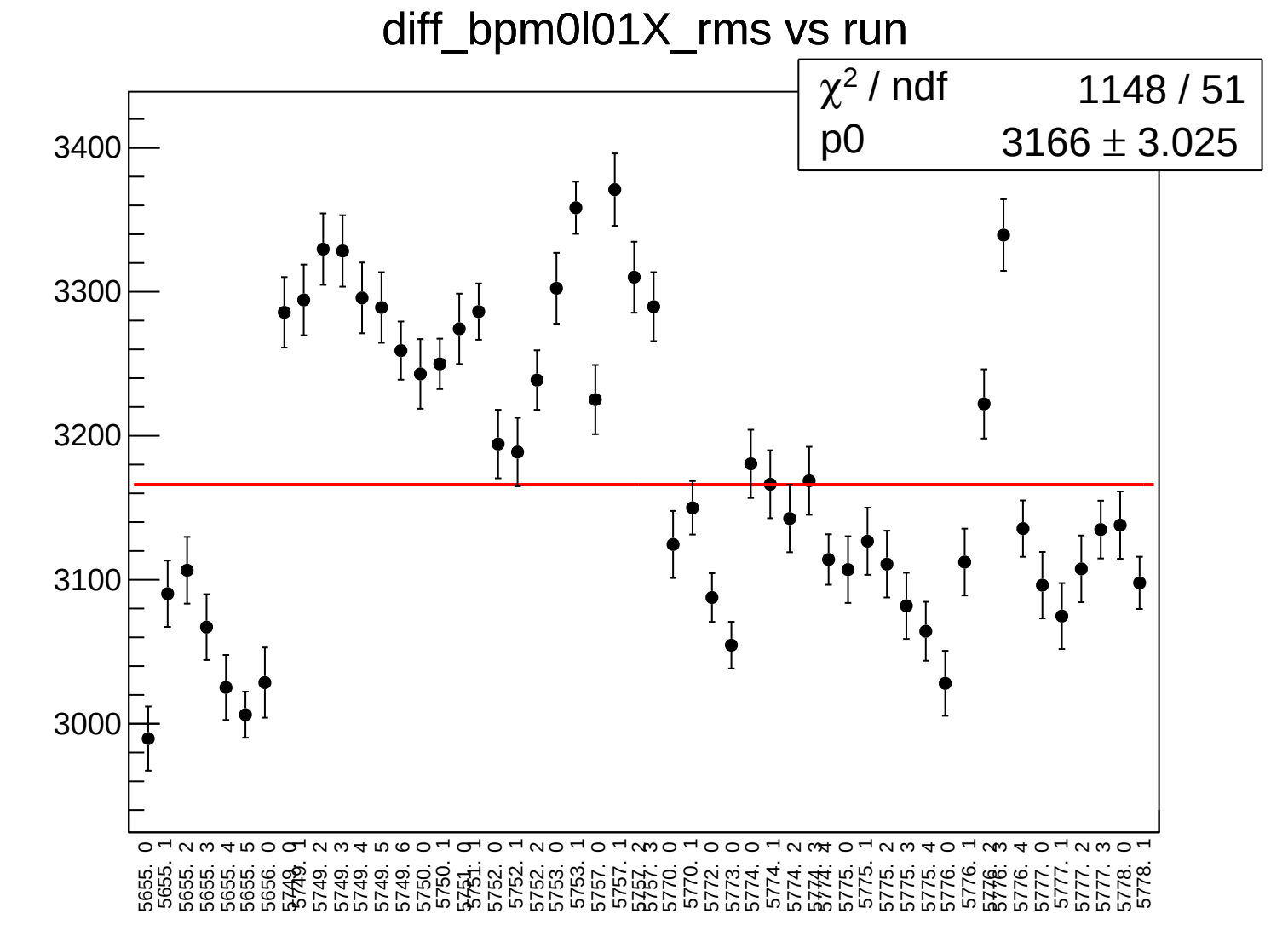
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


diff_bpm0l01X_mean vs run
χ² / ndf 55.87 / 51
p0 −8.685 ± 4.278
pull
Entries 52
Mean 116.4
Std Dev 0


pull1D
Entries 52
Mean −0.02298
Std Dev 1.036


diff_bpm0l01X_rms vs run
χ² / ndf 1148 / 51
p0 3166 ± 3.025
3400
3300
3200
3100
3000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
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5775. 3
5775. 4
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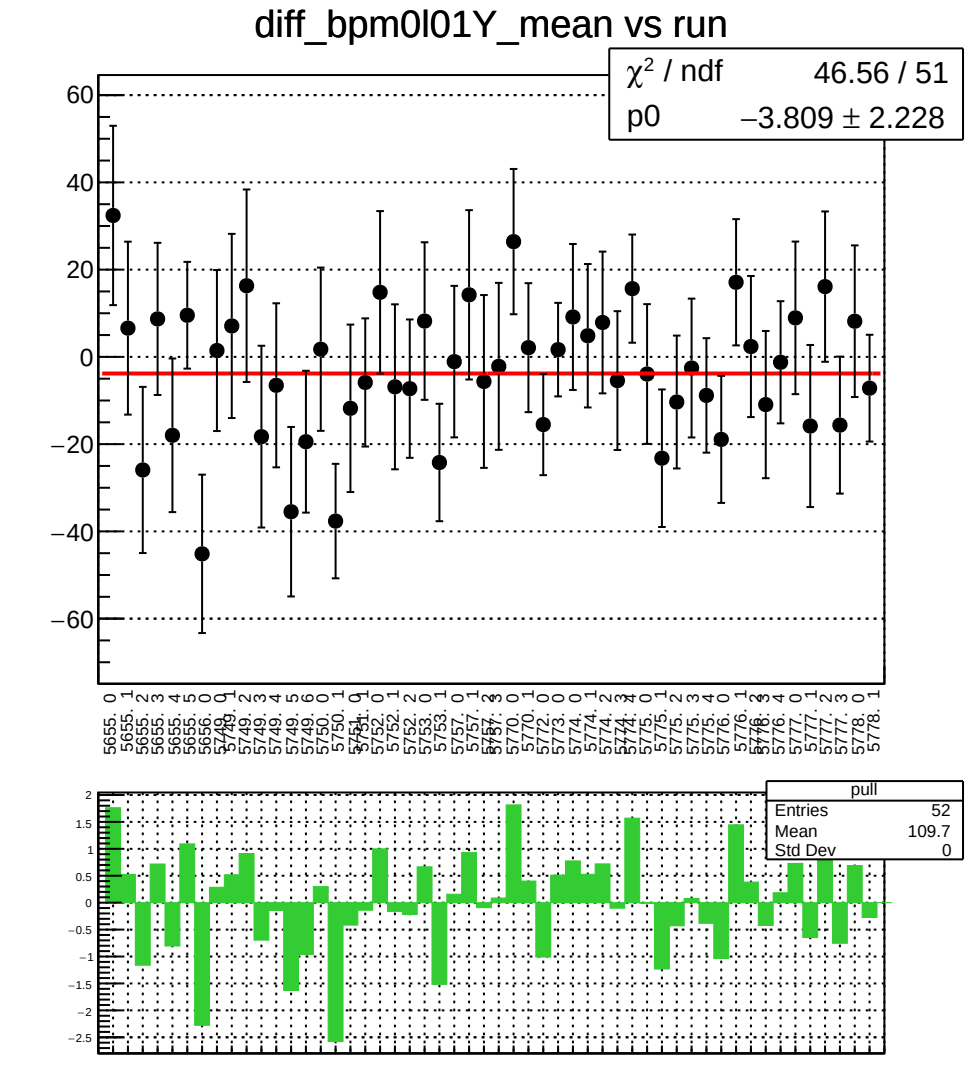
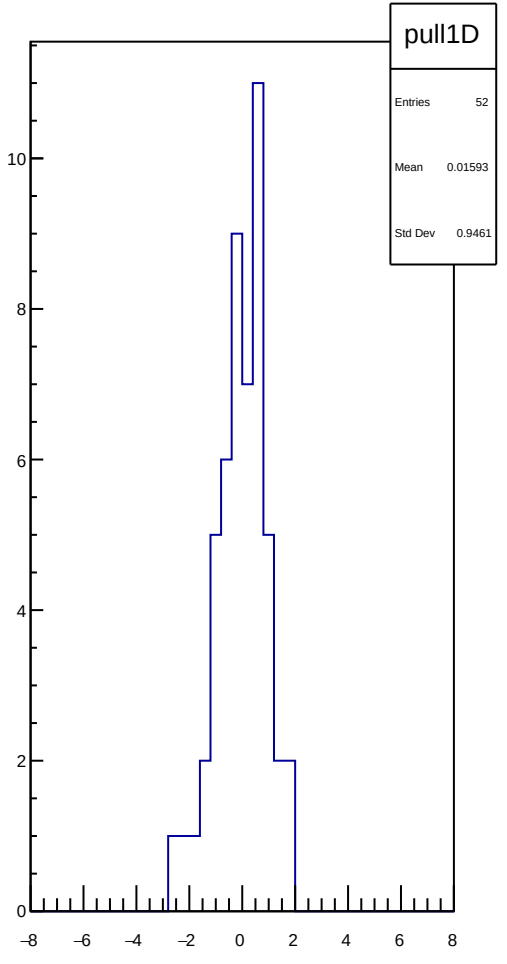
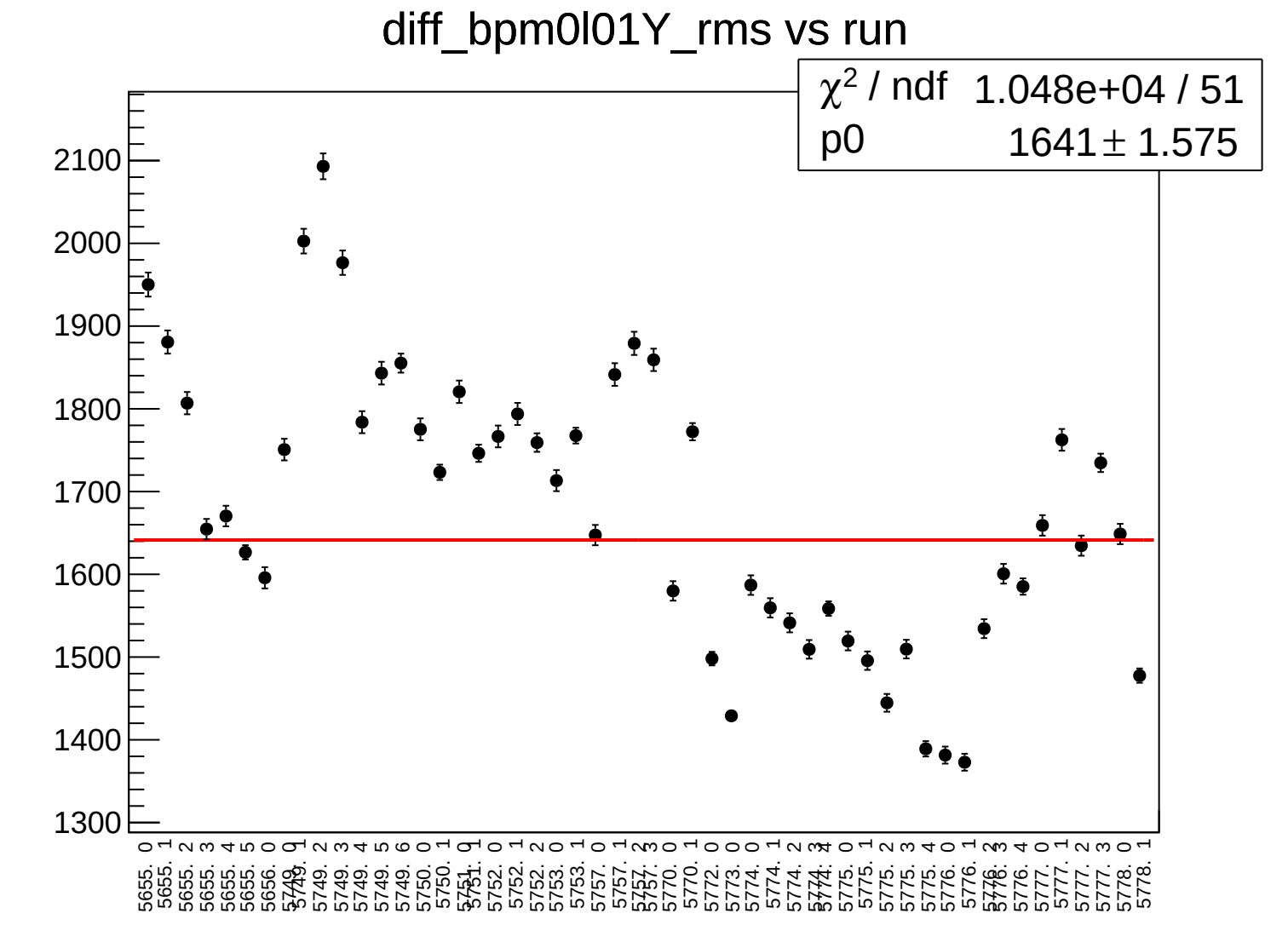
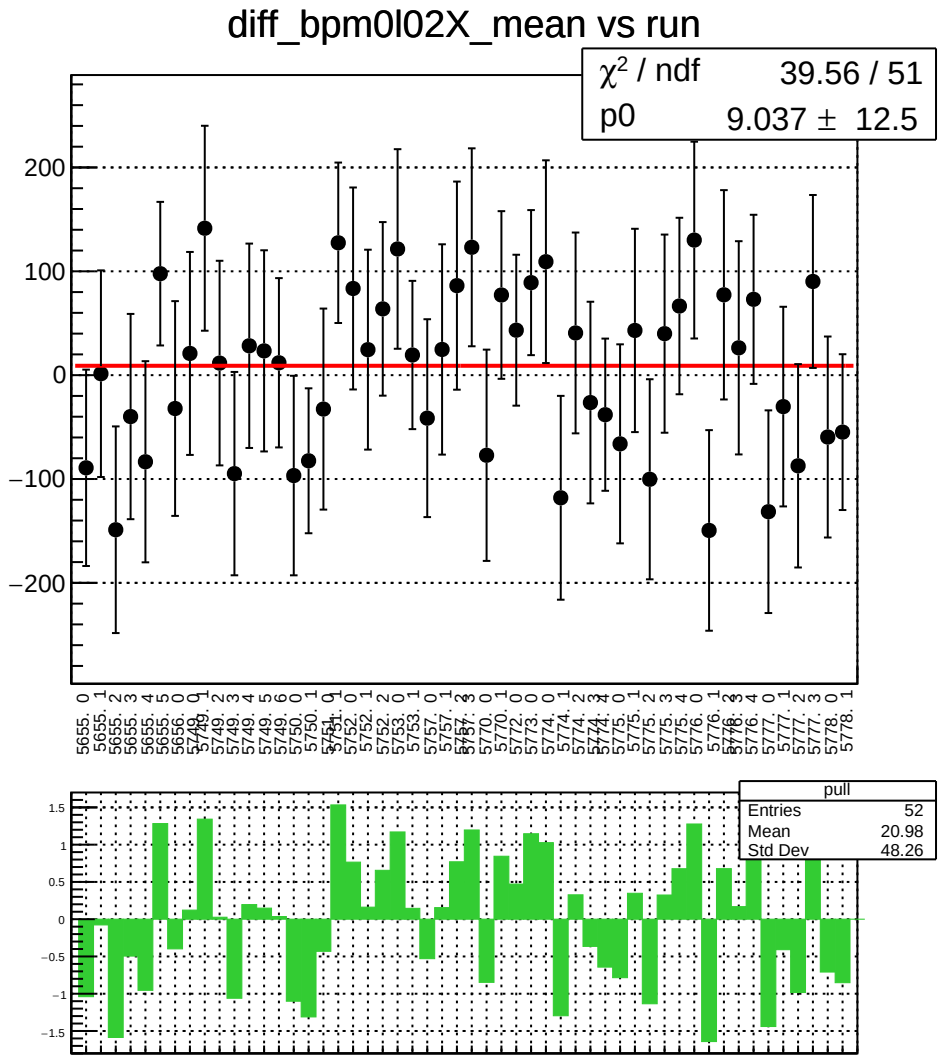
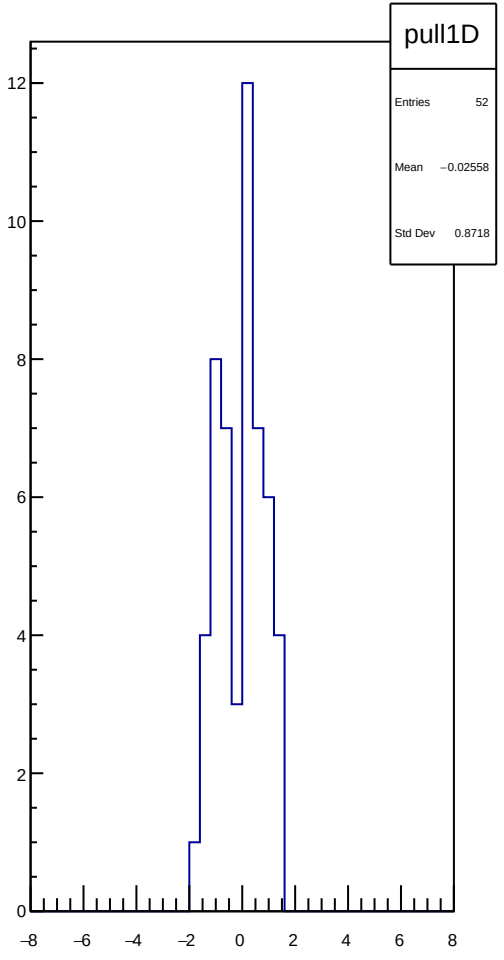
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

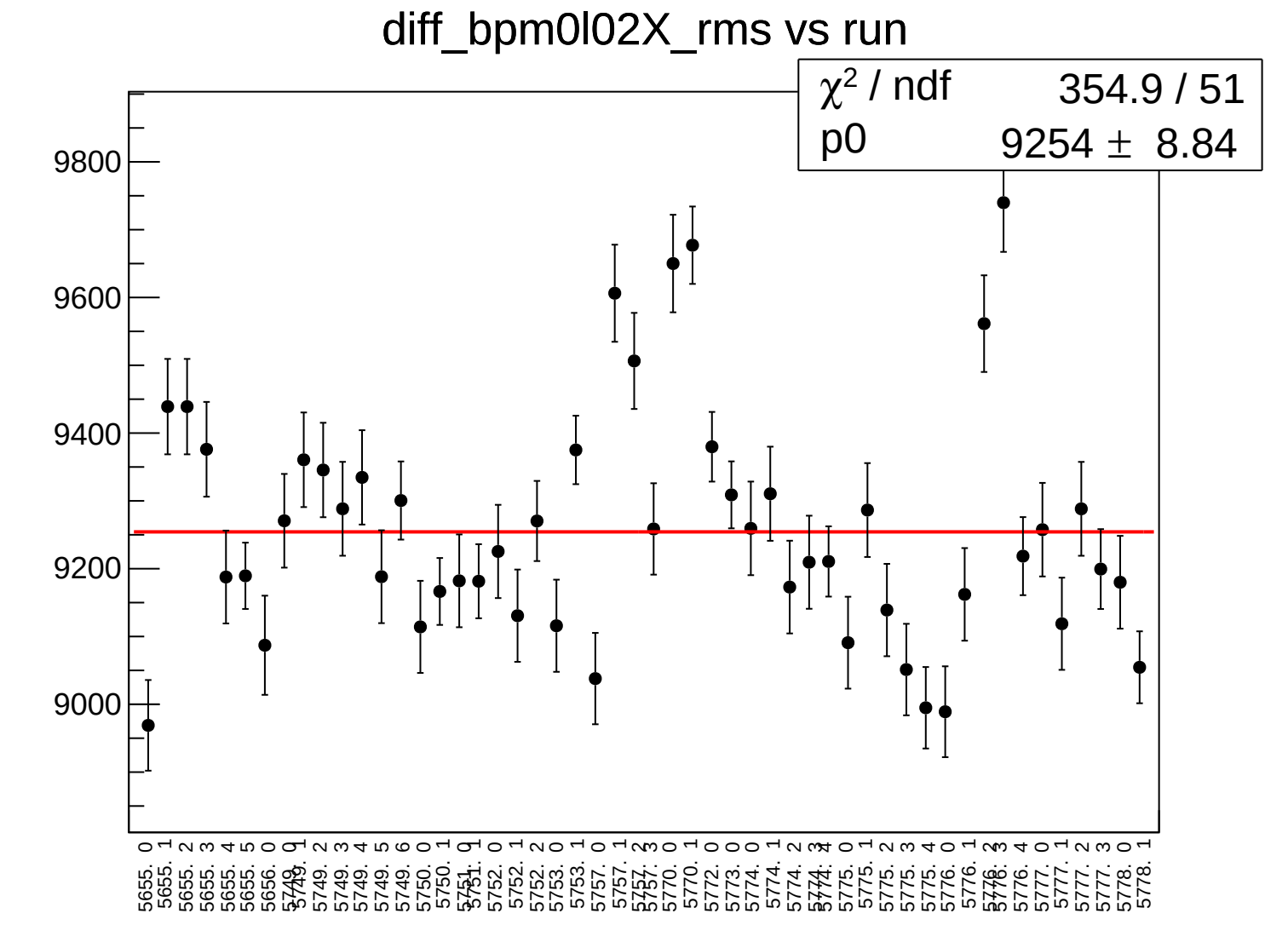

diff_bpm0l01Y_mean vs run
χ² / ndf 46.56 / 51
p0 −3.809 ± 2.228
pull
Entries 52
Mean 109.7
Std Dev 0


pull1D
Entries 52
Mean 0.01593
Std Dev 0.9461


diff_bpm0l01Y_rms vs run
χ² / ndf 1.048e+04 / 51
p0 1641 ± 1.575
2100
2000
1900
1800
1700
1600
1500
1400
1300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


diff_bpm0l02X_mean vs run
χ² / ndf 39.56 / 51
p0 9.037 ± 12.5
200
100
0
−100
−200
pull
Entries 52
Mean 20.98
Std Dev 48.26
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 52
Mean −0.02558
Std Dev 0.8718
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm0l02X_rms vs run
χ² / ndf 354.9 / 51
p0 9254 ± 8.84
9800
9600
9400
9200
9000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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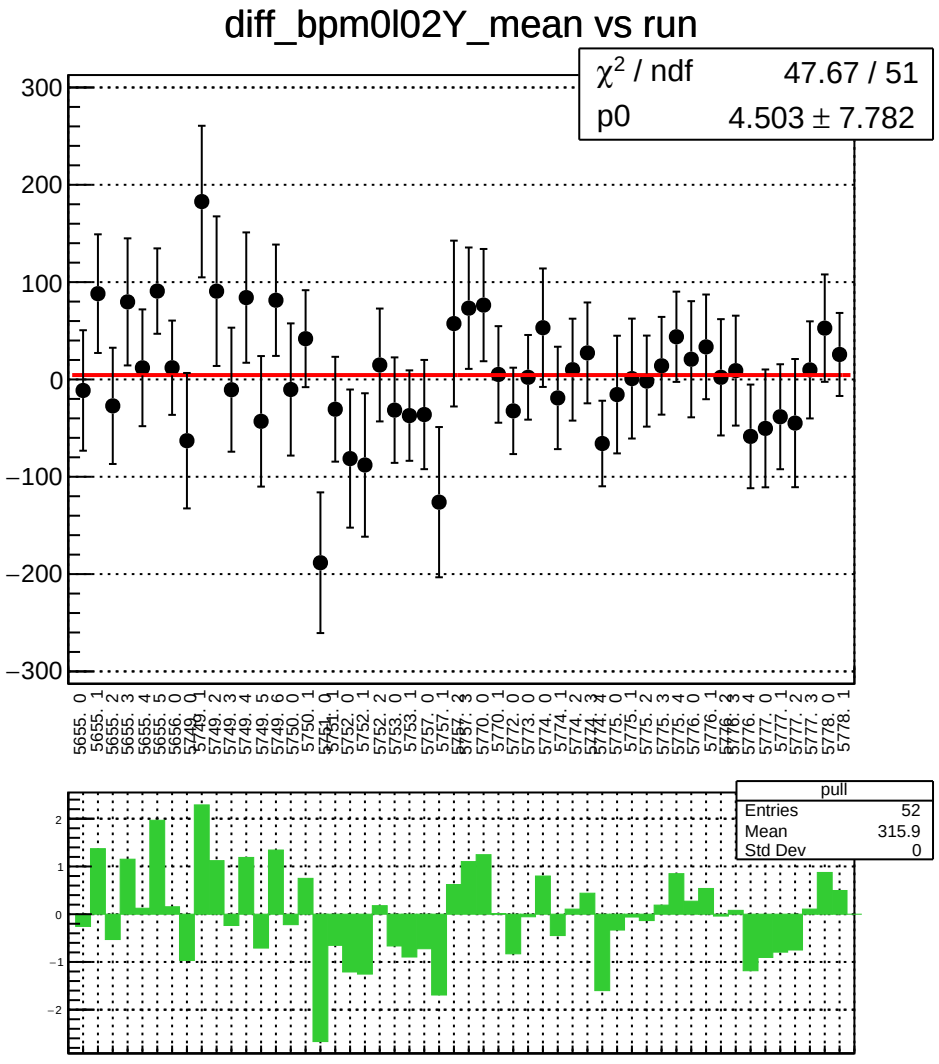
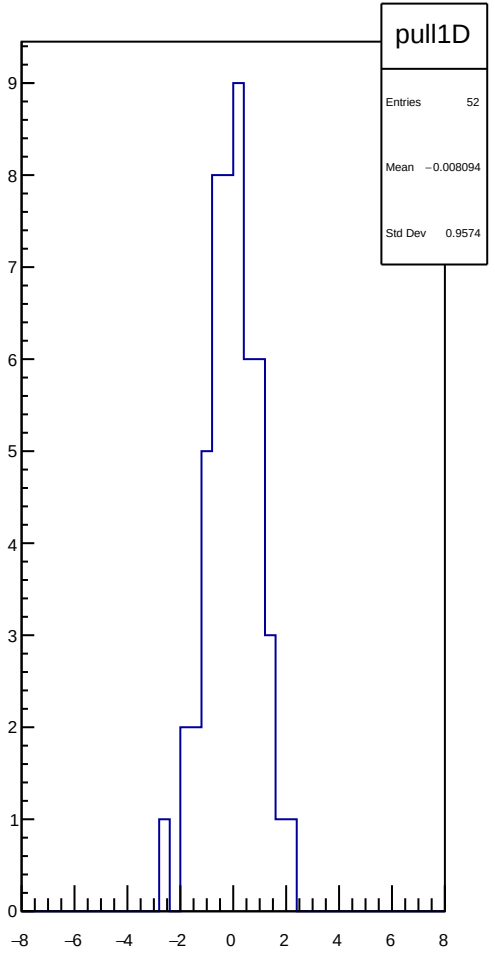
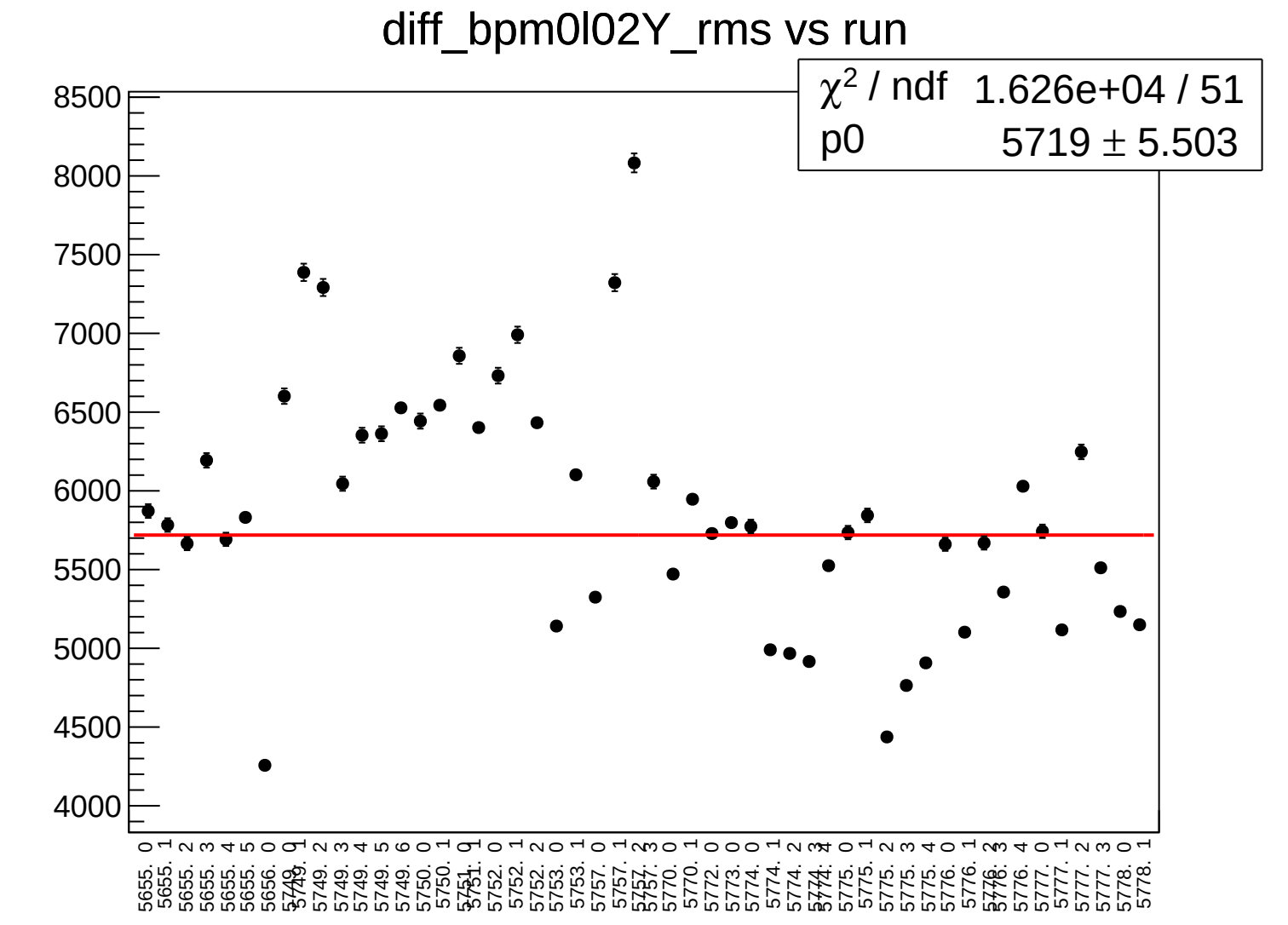
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


diff_bpm0l02Y_mean vs run
χ² / ndf 47.67 / 51
p0 4.503 ± 7.782
pull
Entries 52
Mean 315.9
Std Dev 0


pull1D
Entries 52
Mean −0.008094
Std Dev 0.9574


diff_bpm0l02Y_rms vs run
χ² / ndf 1.626e+04 / 51
p0 5719 ± 5.503
8500
8000
7500
7000
6500
6000
5500
5000
4500
4000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
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5777. 1
5777. 2
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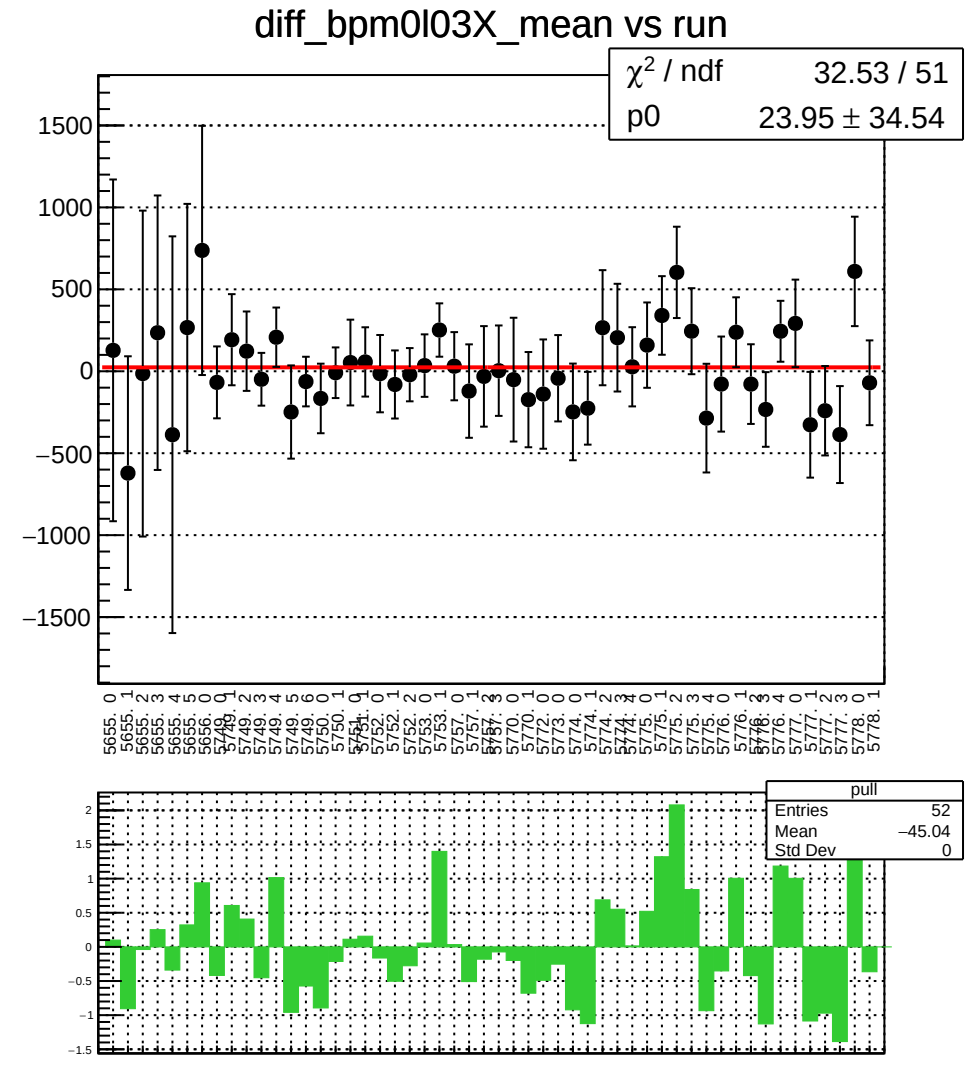
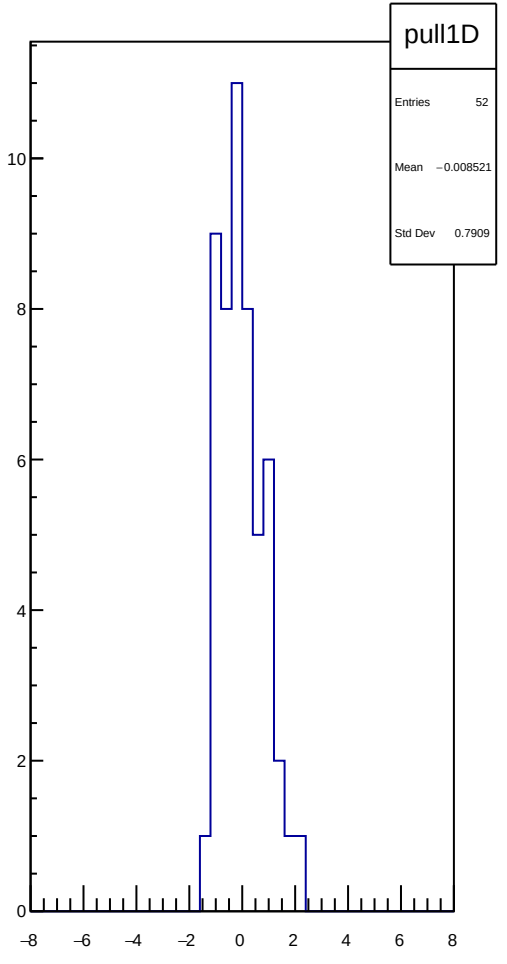
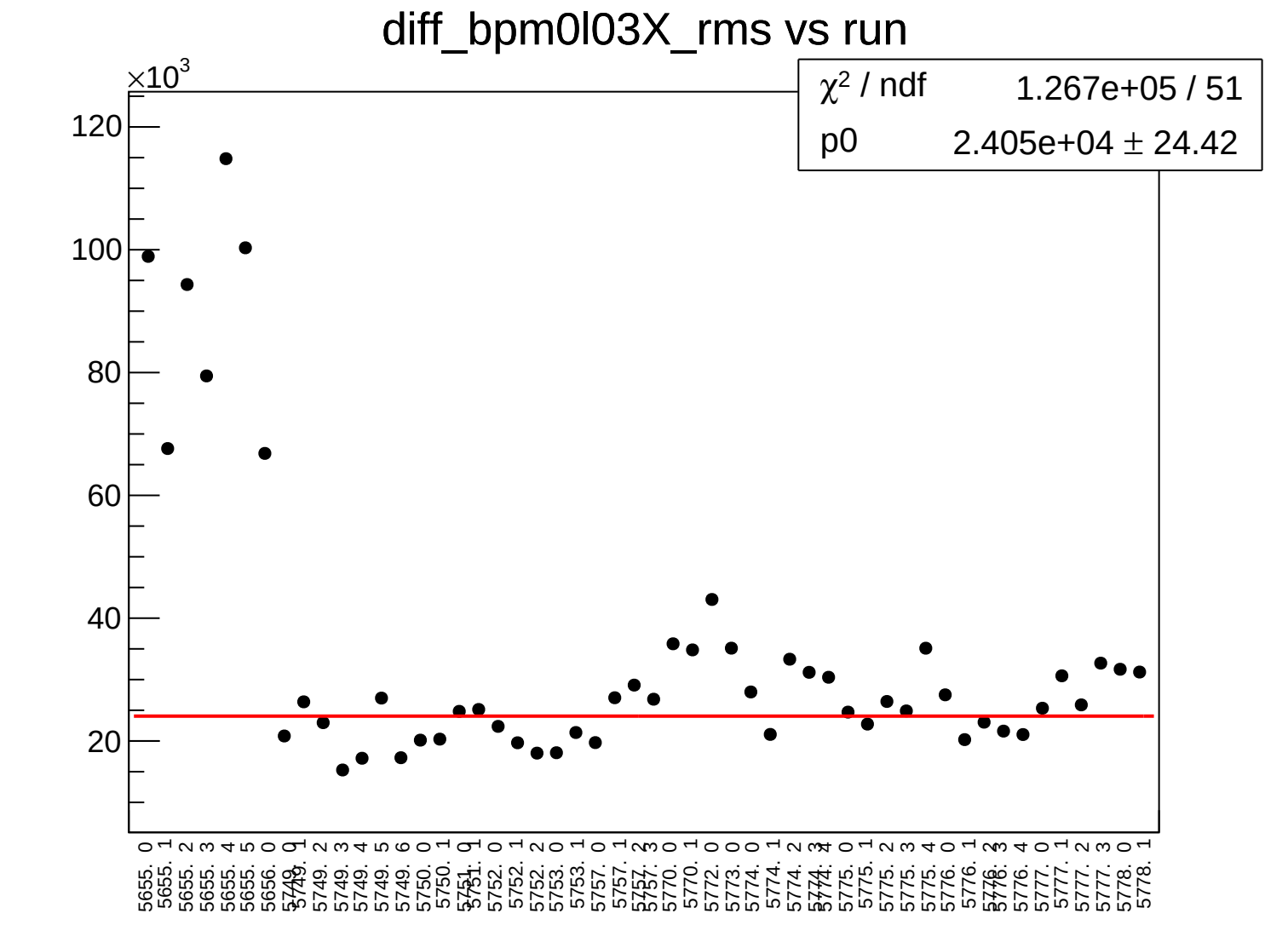
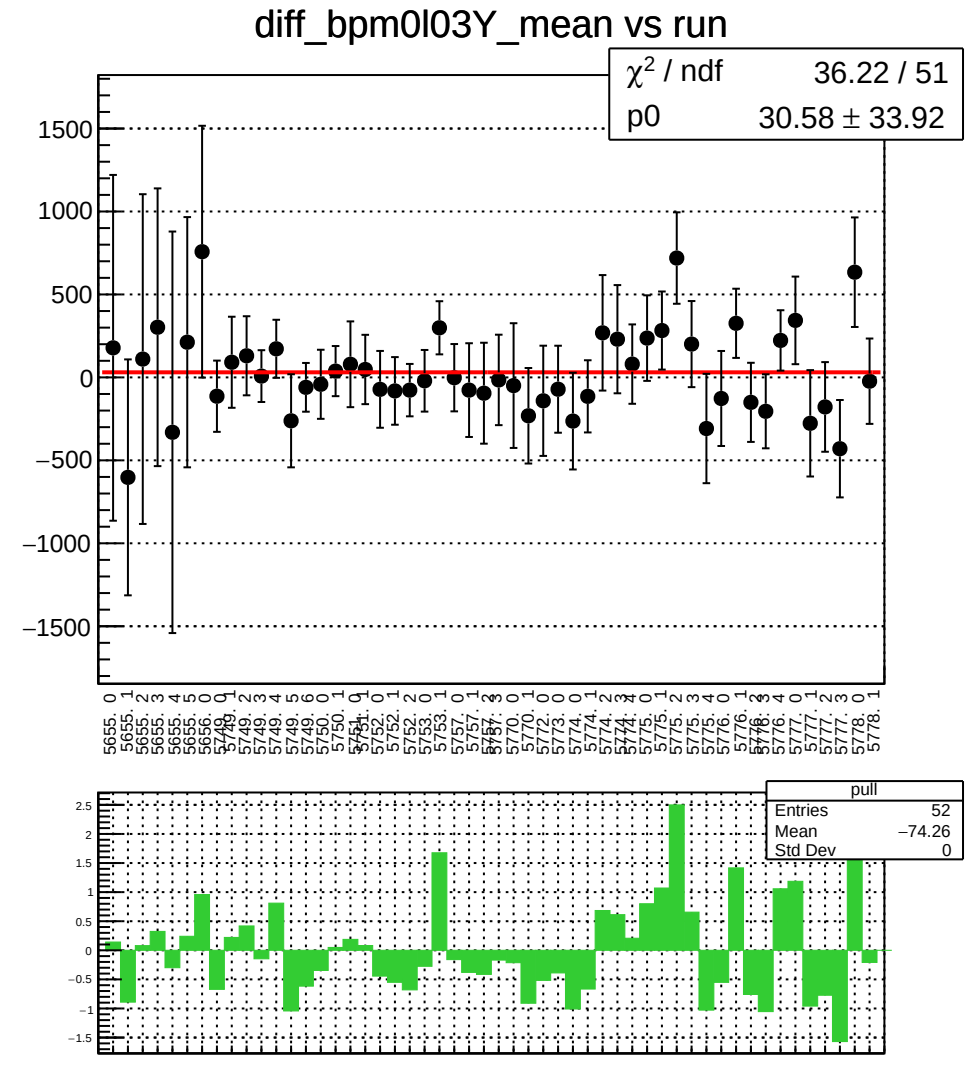
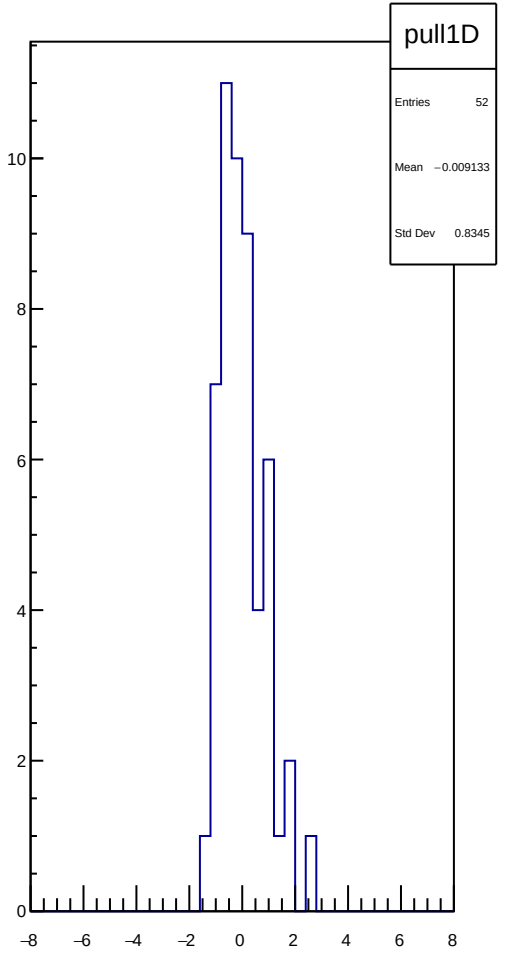
5778. 1

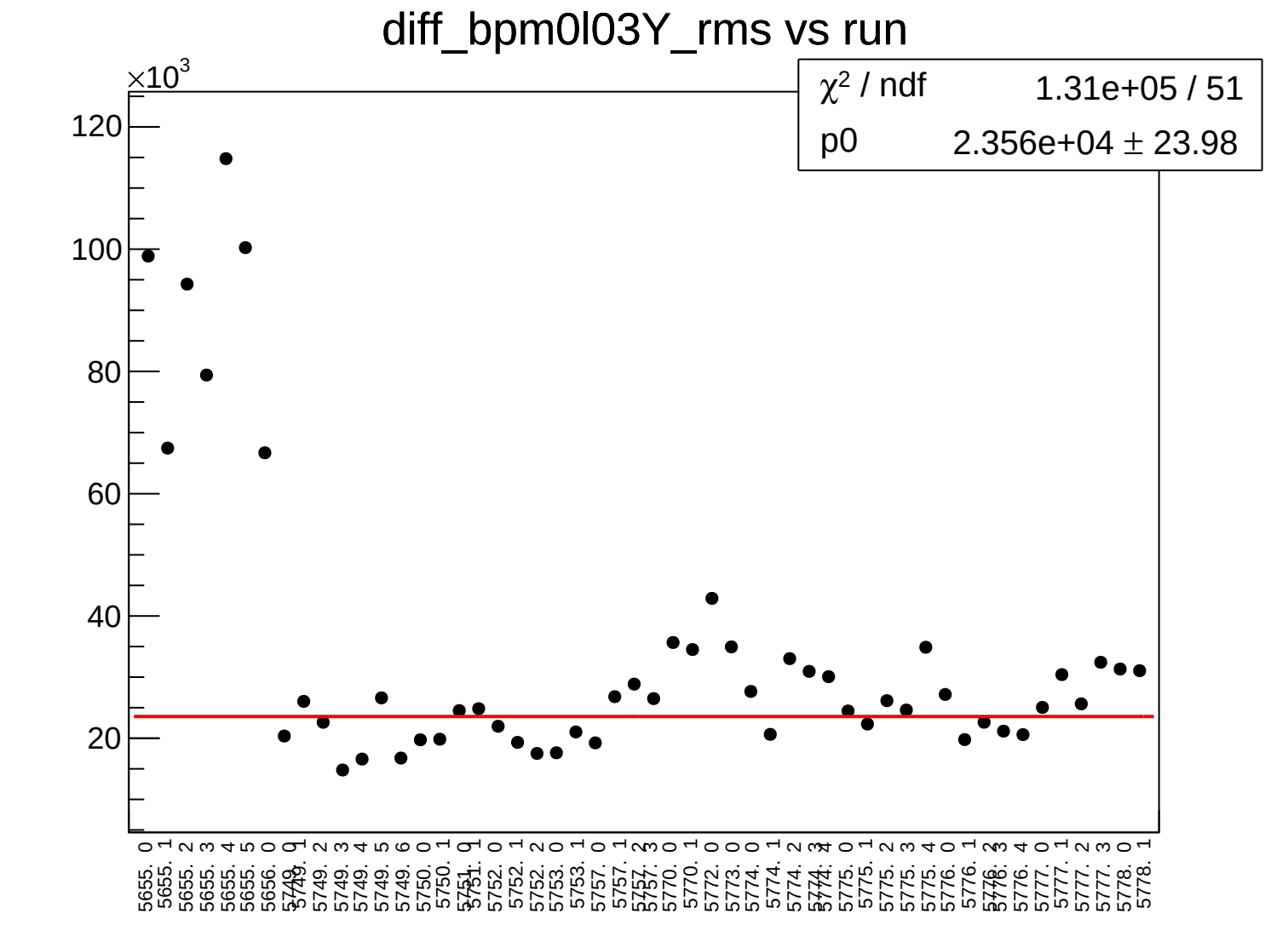

diff_bpm0l03X_mean vs run
χ² / ndf 32.53 / 51
p0 23.95 ± 34.54
pull
Entries 52
Mean −45.04
Std Dev 0


pull1D
Entries 52
Mean −0.008521
Std Dev 0.7909


diff_bpm0l03X_rms vs run
×10^3
χ² / ndf 1.267e+05 / 51
p0 2.405e+04 ± 24.42
120
100
80
60
40
20


diff_bpm0l03Y_mean vs run
χ² / ndf 36.22 / 51
p0 30.58 ± 33.92
pull
Entries 52
Mean −74.26
Std Dev 0


pull1D
Entries 52
Mean −0.009133
Std Dev 0.8345


diff_bpm0l03Y_rms vs run
×10^3
χ² / ndf 1.31e+05 / 51
p0 2.356e+04 ± 23.98
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
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5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
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5774. 1
5774. 2
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5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5777. 0
5777. 1
5777. 2
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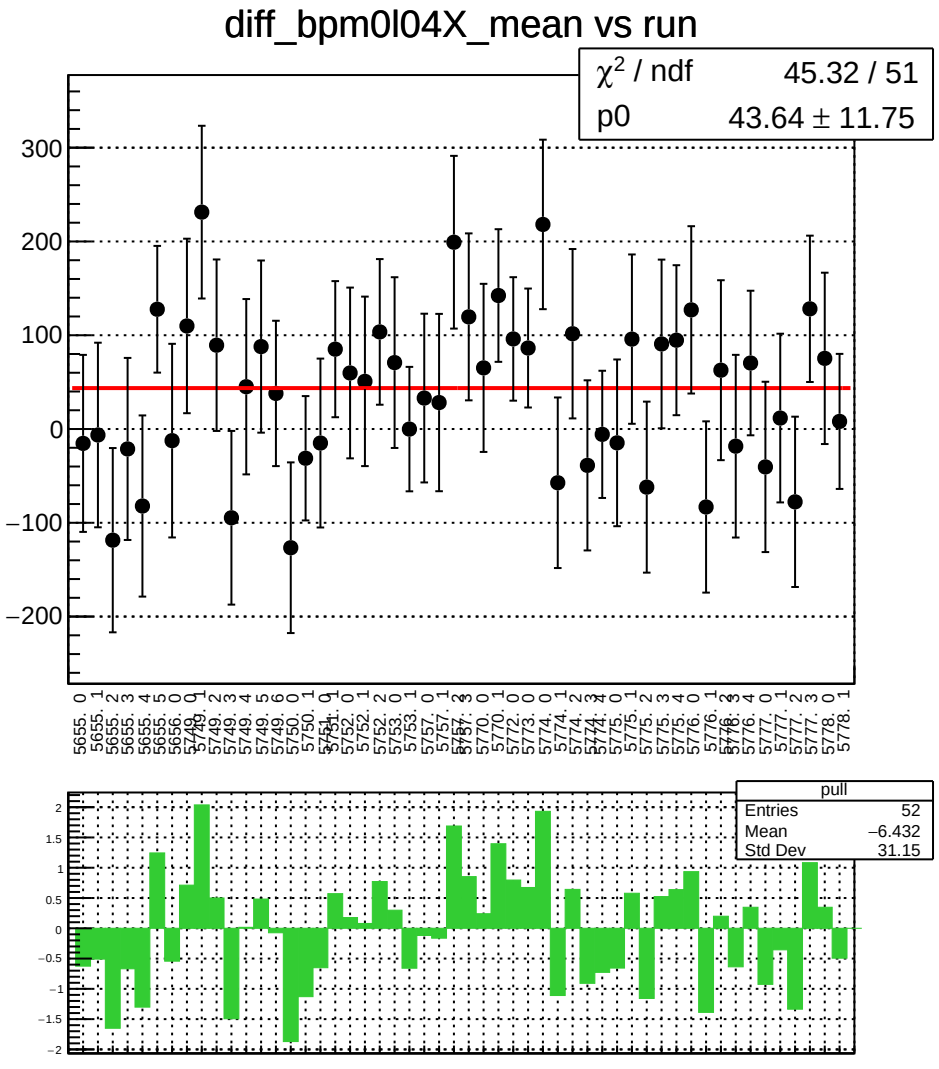
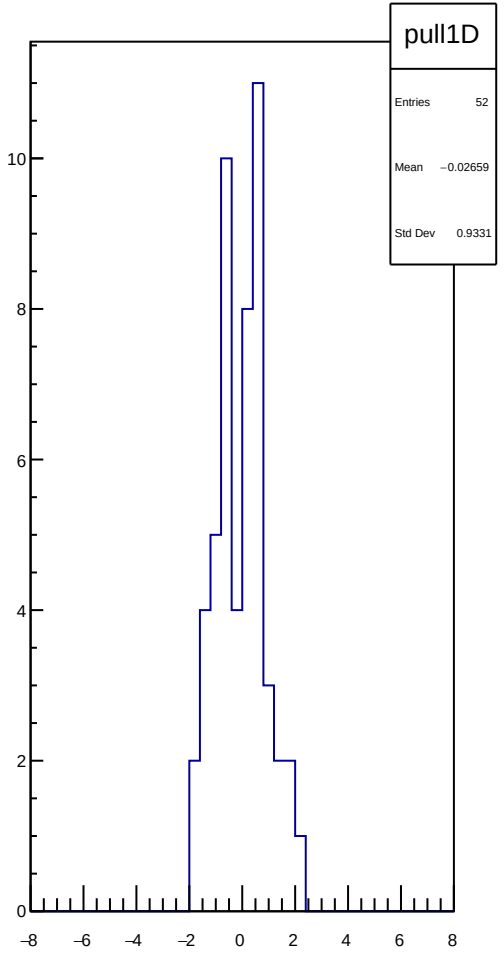
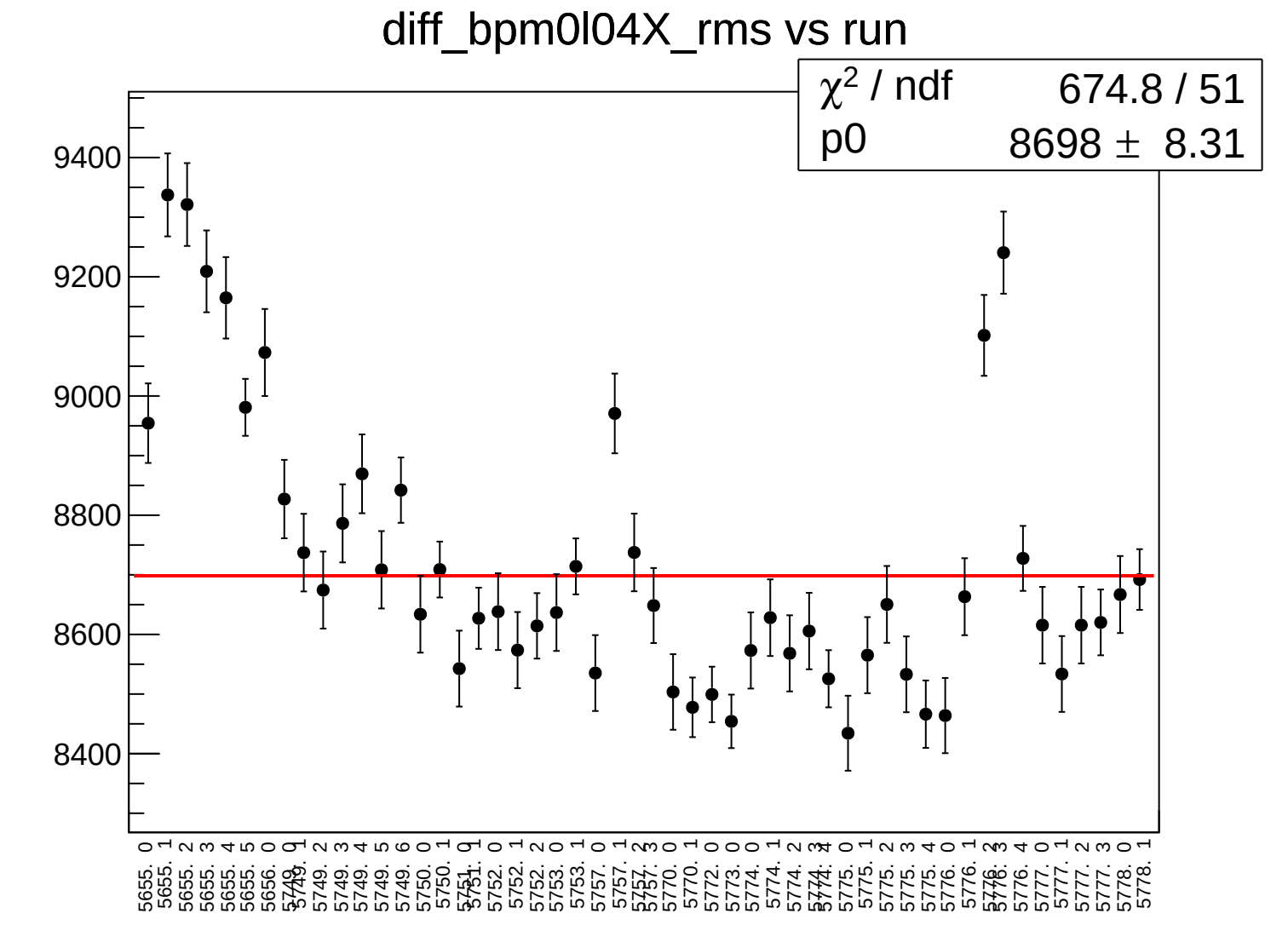
5778. 1


diff_bpm0l04X_mean vs run
χ^2 / ndf 45.32 / 51
p0 43.64 ± 11.75
pull
Entries 52
Mean −6.432
Std Dev 31.15


pull1D
Entries 52
Mean −0.02659
Std Dev 0.9331


diff_bpm0l04X_rms vs run
χ² / ndf 674.8 / 51
p0 8698 ± 8.31
9400
9200
9000
8800
8600
8400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
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5773. 0
5774. 0
5774. 1
5774. 2
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5775. 4
5776. 0
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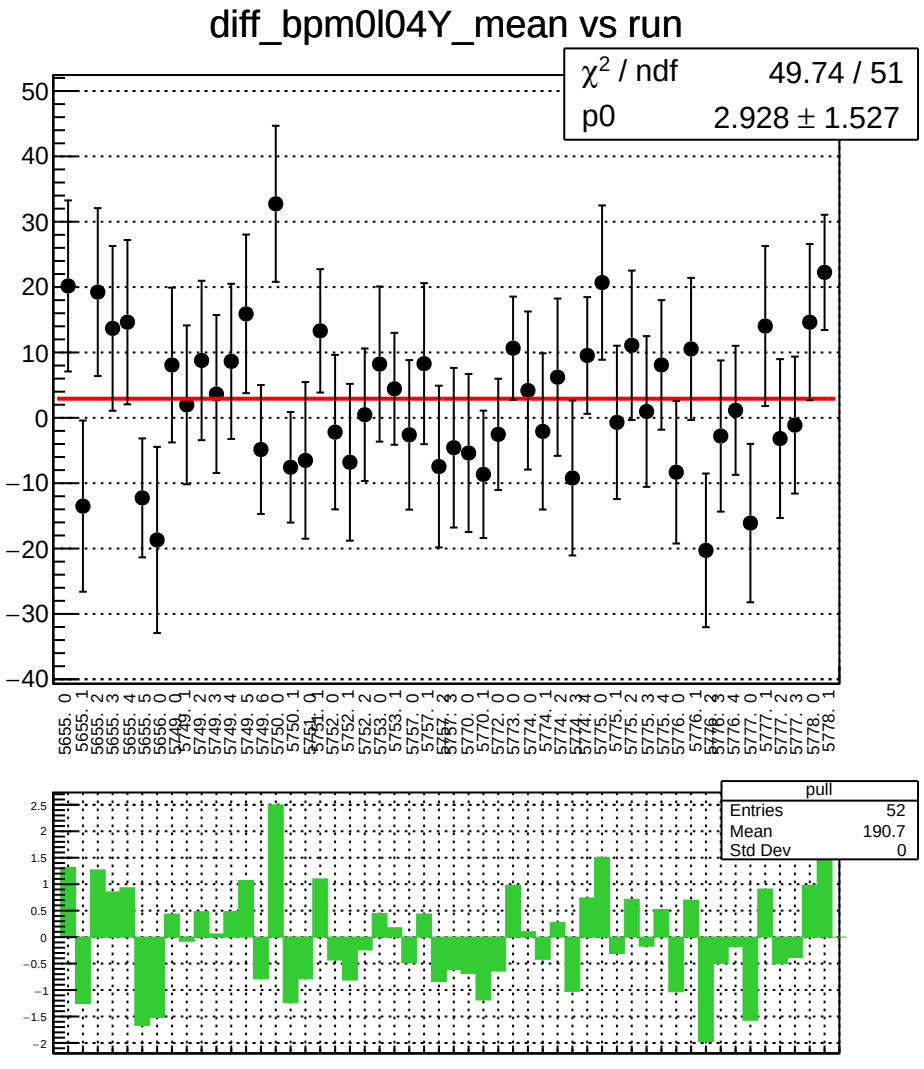
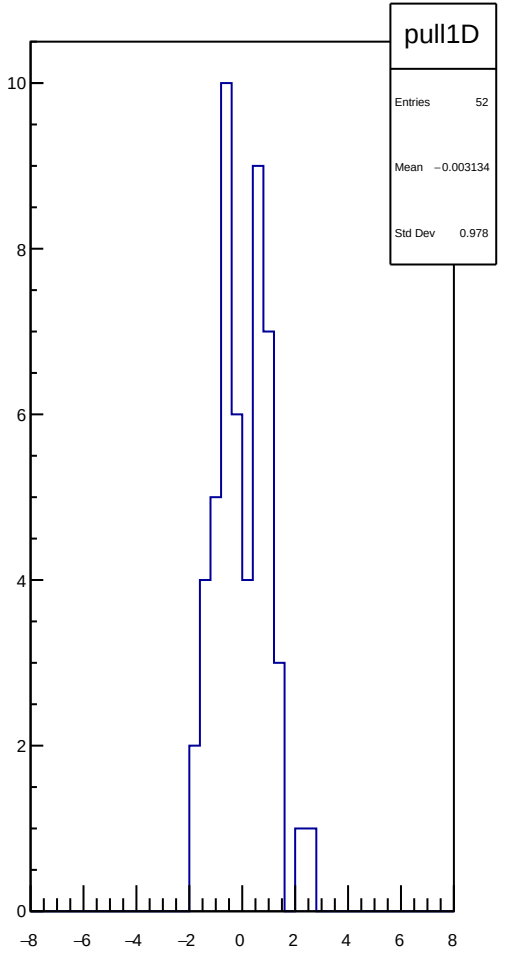
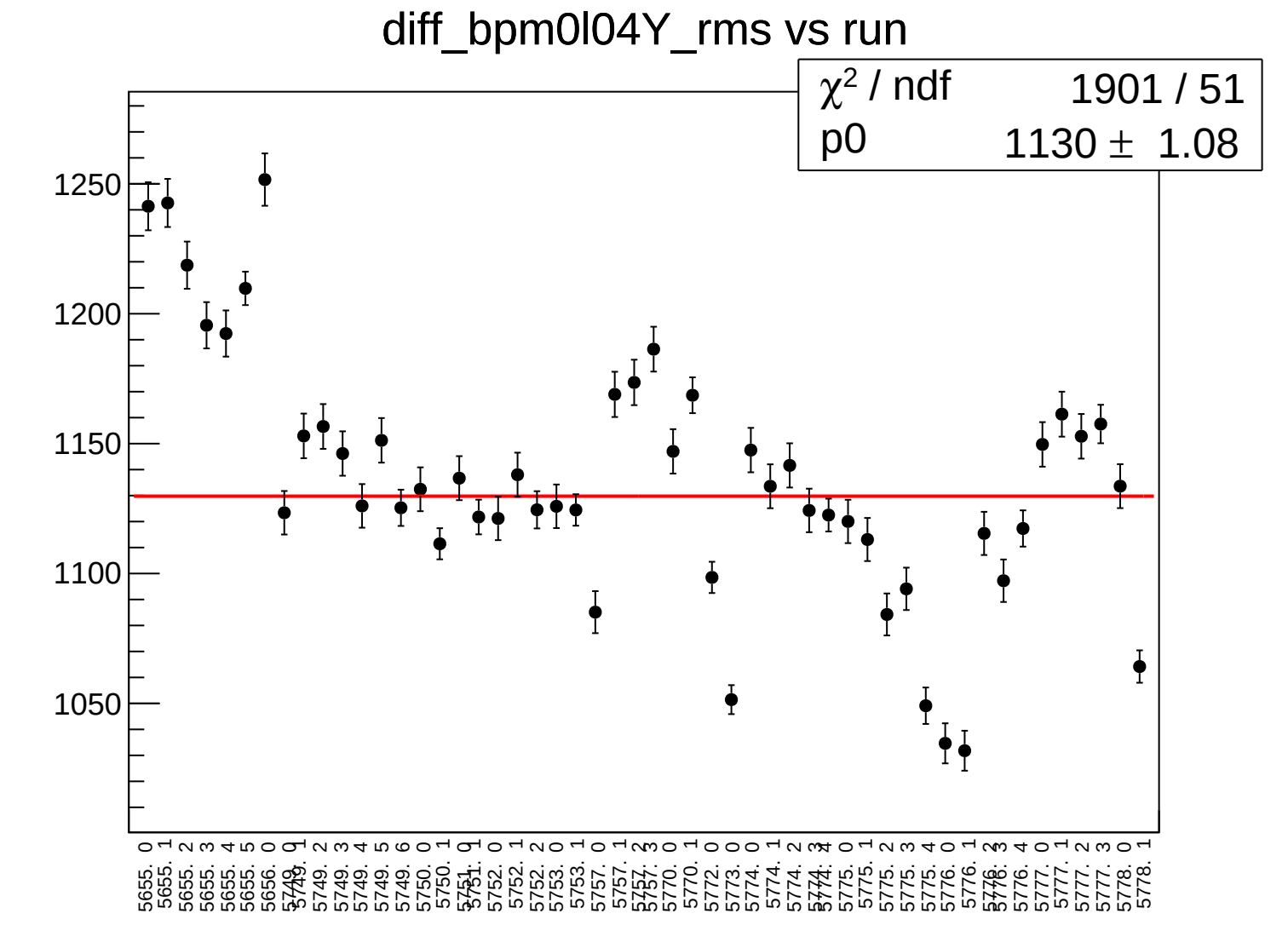
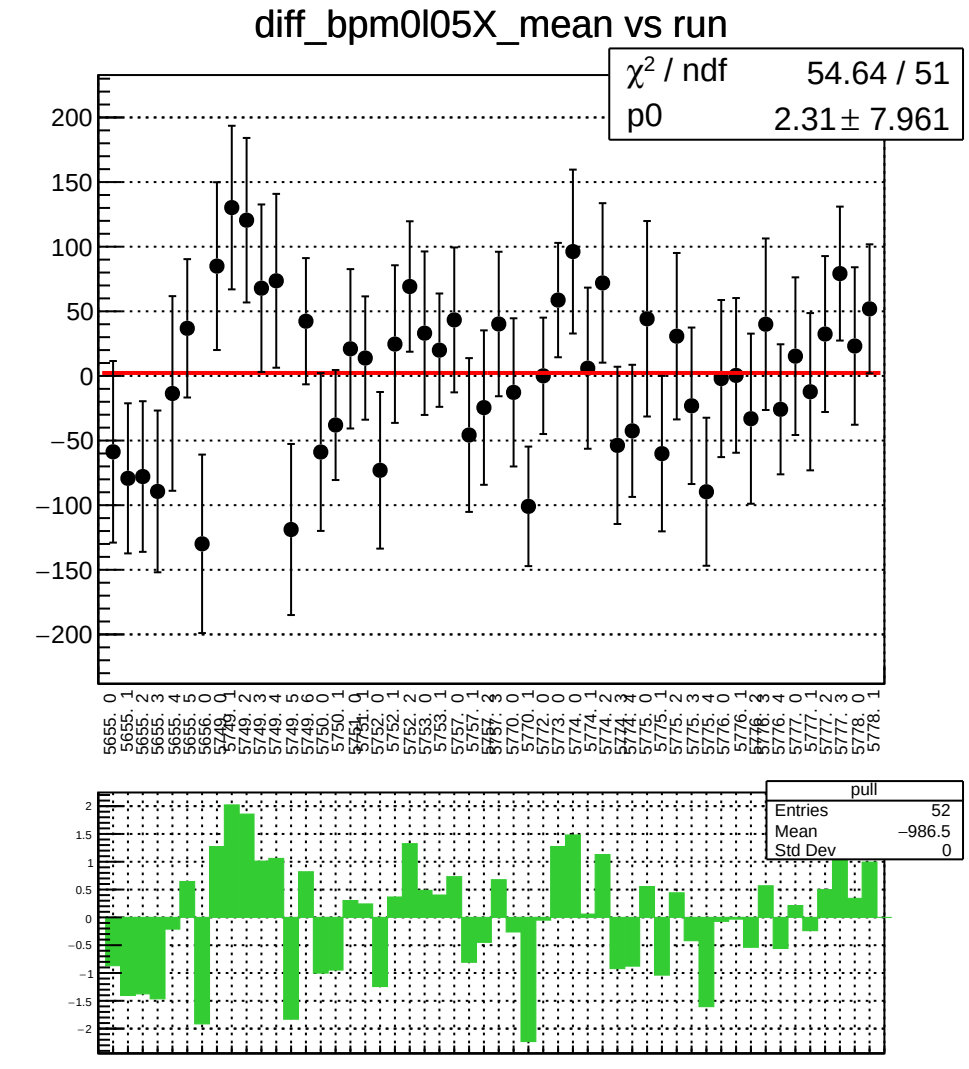
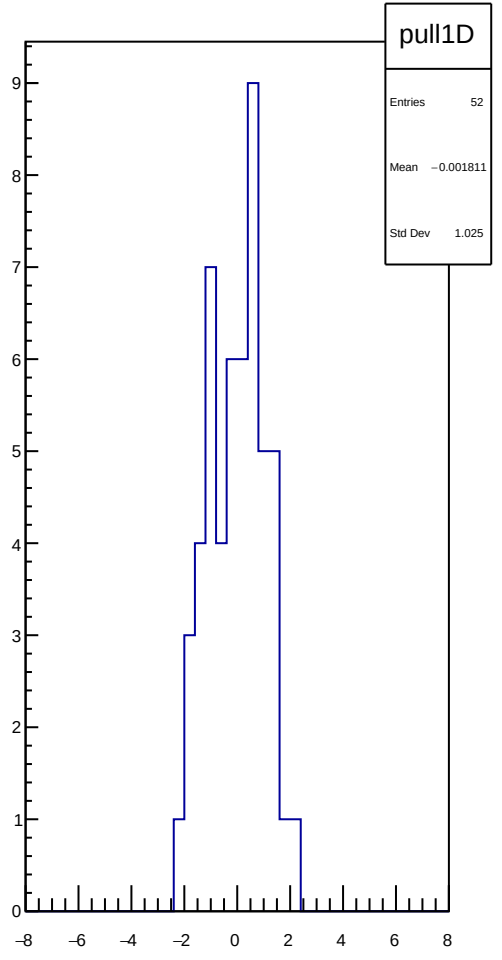
5778. 0
5778. 1

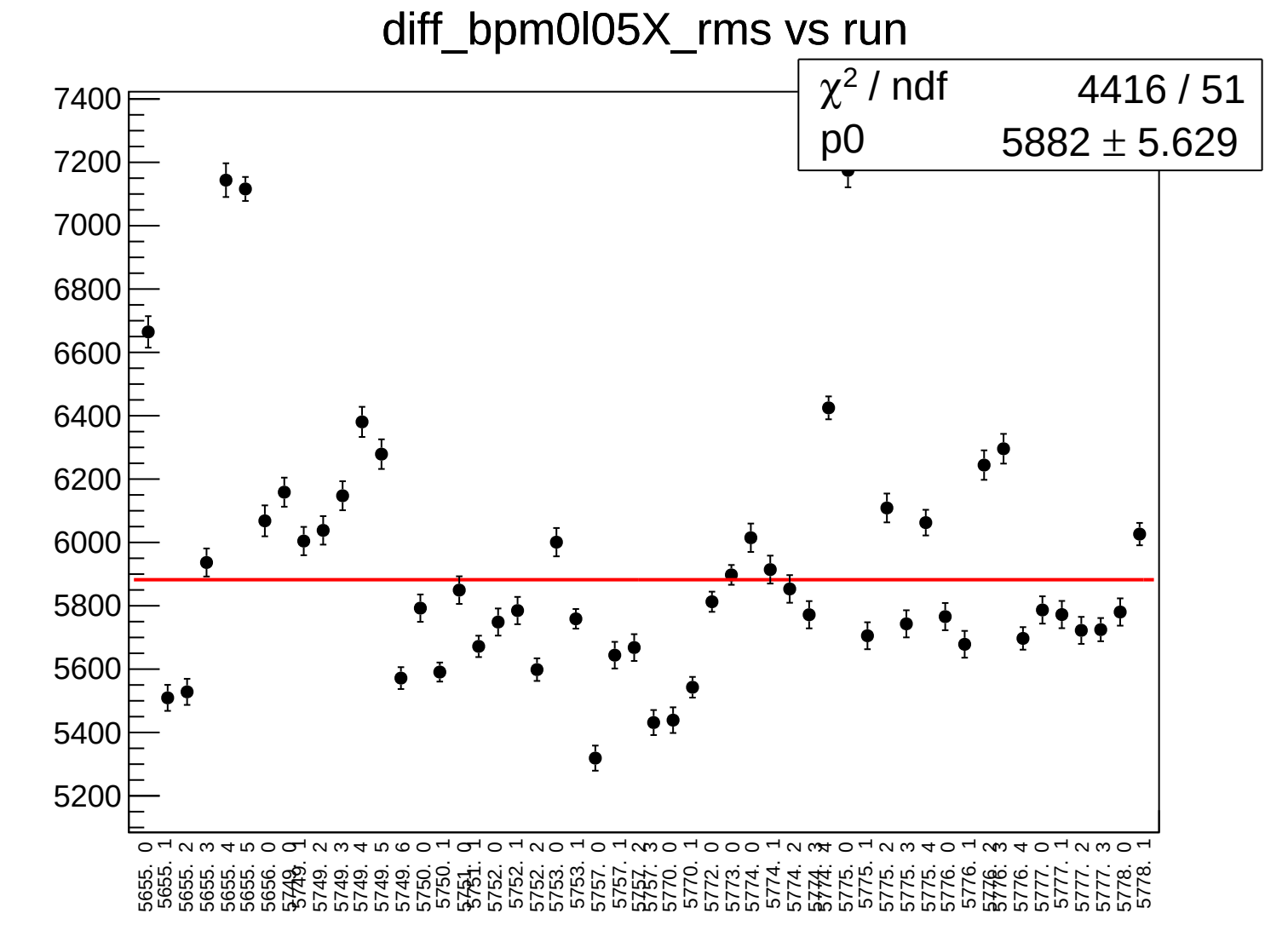

diff_bpm0l04Y_mean vs run
χ² / ndf 49.74 / 51
p0 2.928 ± 1.527
pull
Entries 52
Mean 190.7
Std Dev 0

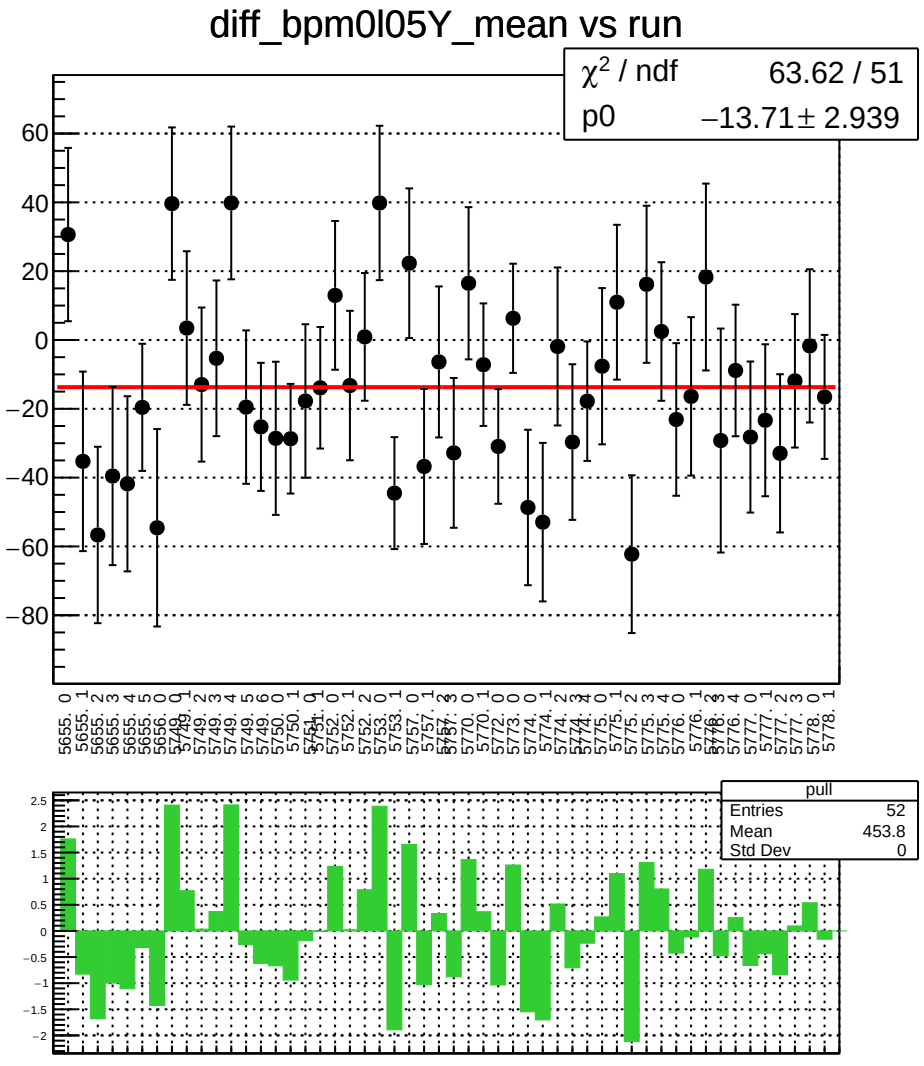

pull1D
Entries 52
Mean −0.003134
Std Dev 0.978

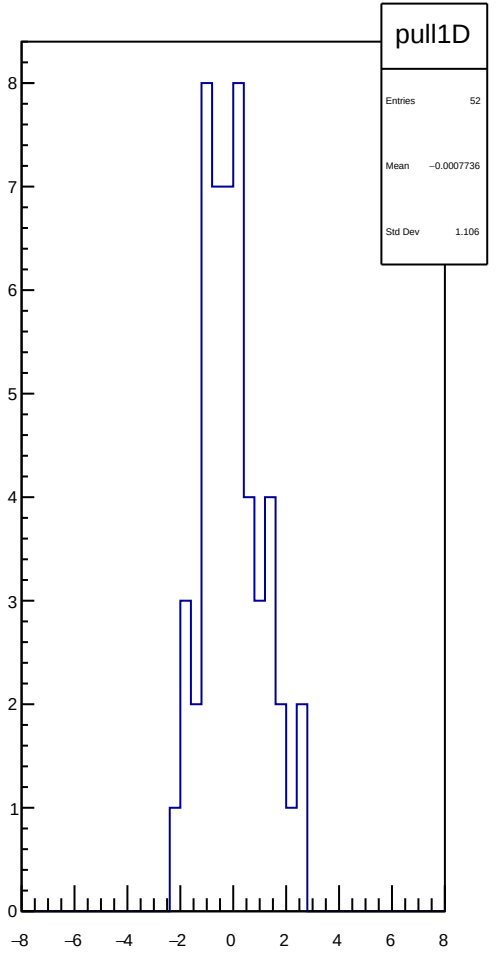

diff_bpm0l04Y_rms vs run
χ² / ndf 1901 / 51
p0 1130 ± 1.08
1250
1200
1150
1100
1050
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

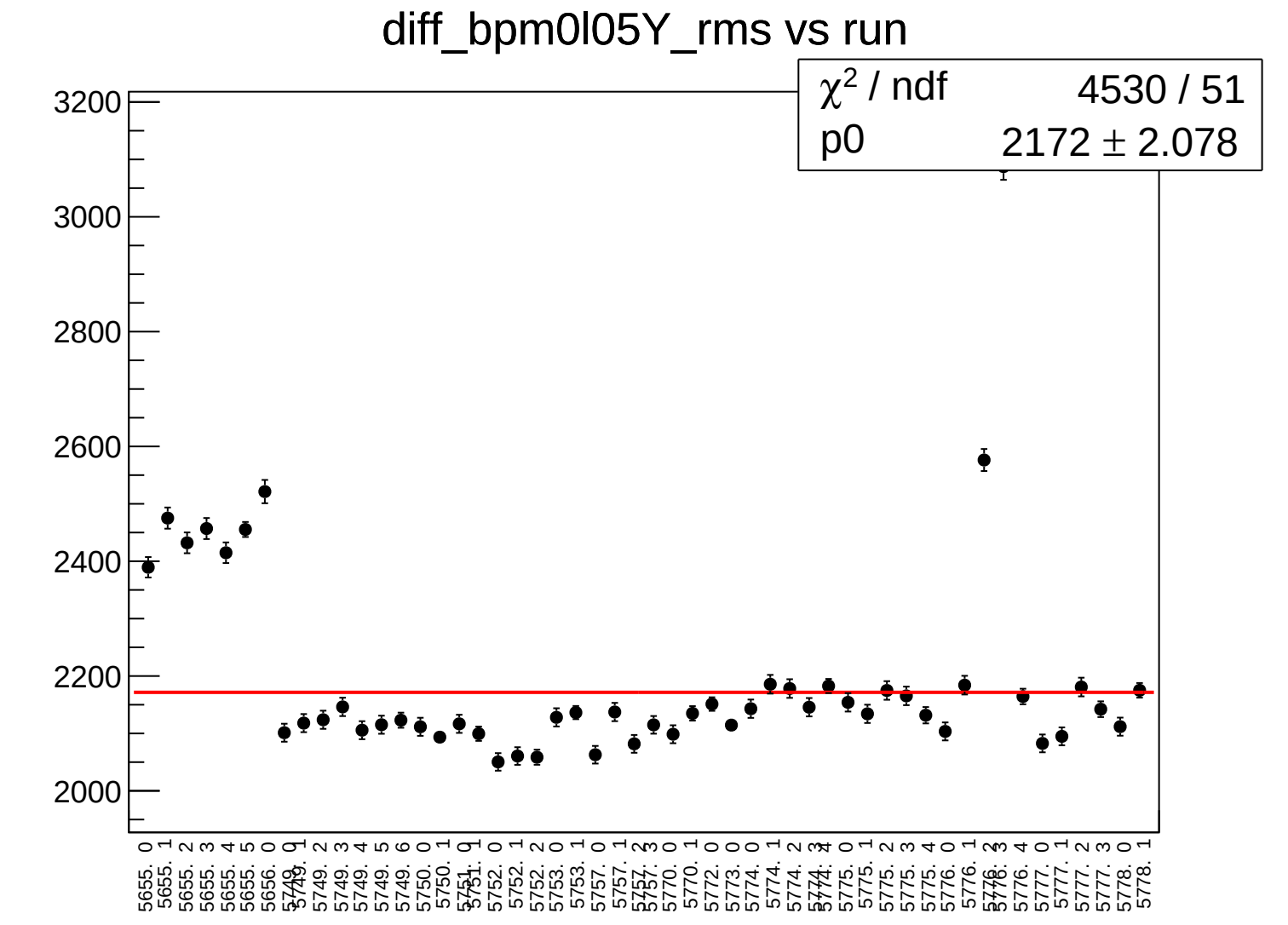

diff_bpm0l05X_mean vs run
χ² / ndf 54.64 / 51
p0 2.31 ± 7.961
pull
Entries 52
Mean −986.5
Std Dev 0


pull1D
Entries 52
Mean −0.001811
Std Dev 1.025


diff_bpm0l05X_rms vs run
χ² / ndf 4416 / 51
p0 5882 ± 5.629
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


diff_bpm0l05Y_mean vs run
χ^2 / ndf 63.62 / 51
p0 −13.71± 2.939
pull
Entries 52
Mean 453.8
Std Dev 0


pull1D
Entries 52
Mean −0.0007736
Std Dev 1.106


diff_bpm0l05Y_rms vs run
χ² / ndf 4530 / 51
p0 2172 ± 2.078
3200
3000
2800
2600
2400
2200
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
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5751. 1
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5752. 1
5752. 2
5753. 0
5753. 1
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5757. 2
5757. 3
5770. 0
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5772. 0
5773. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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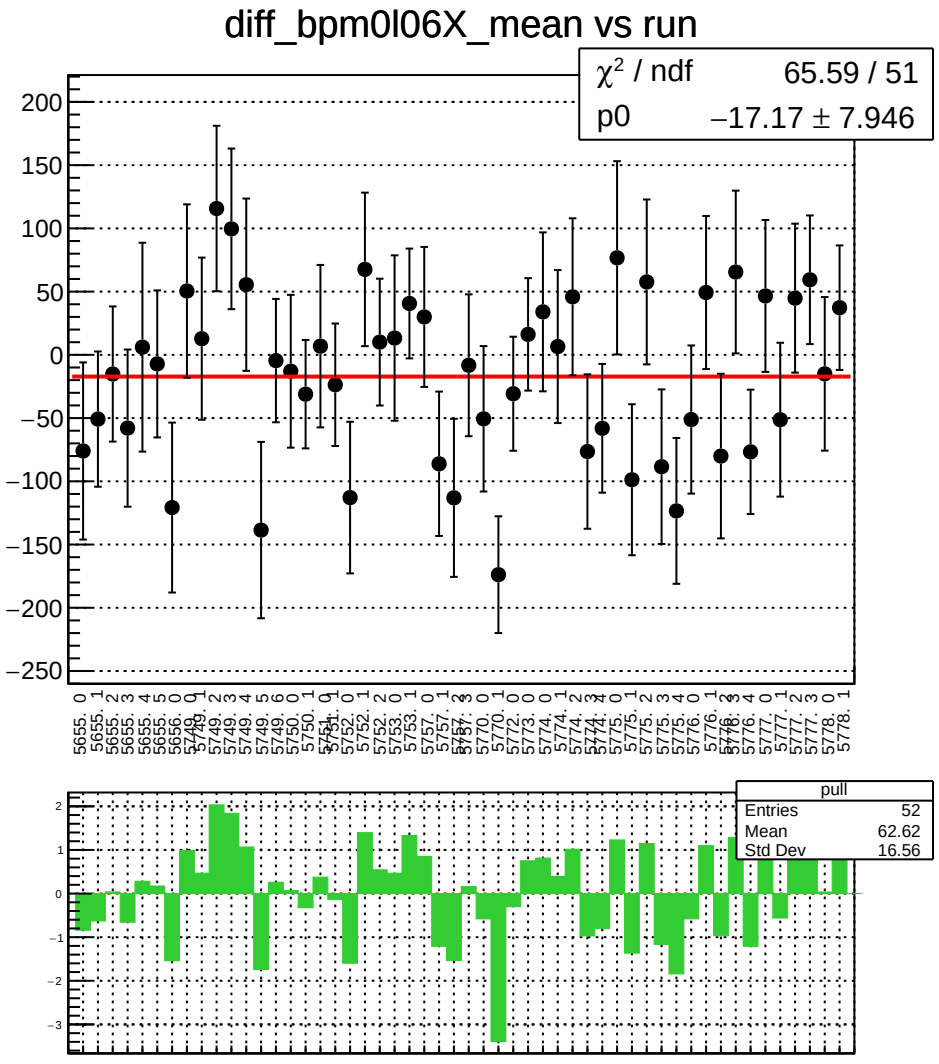
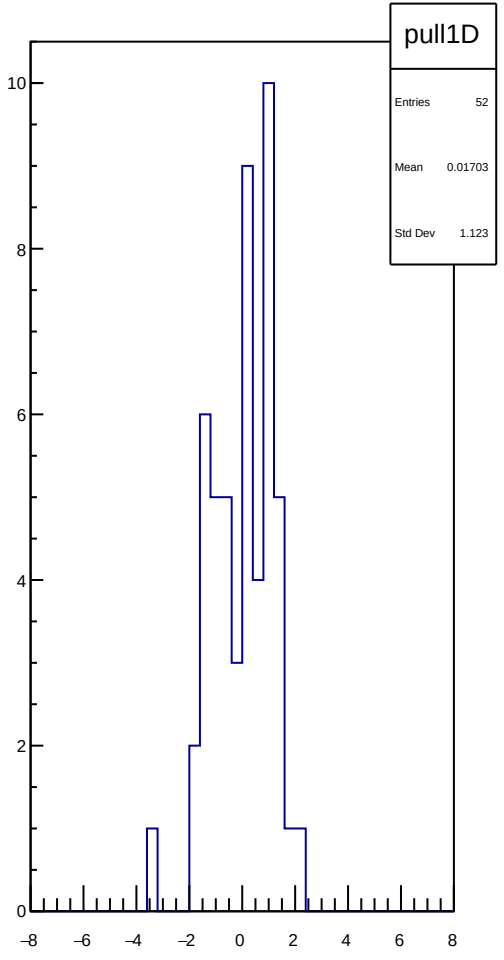
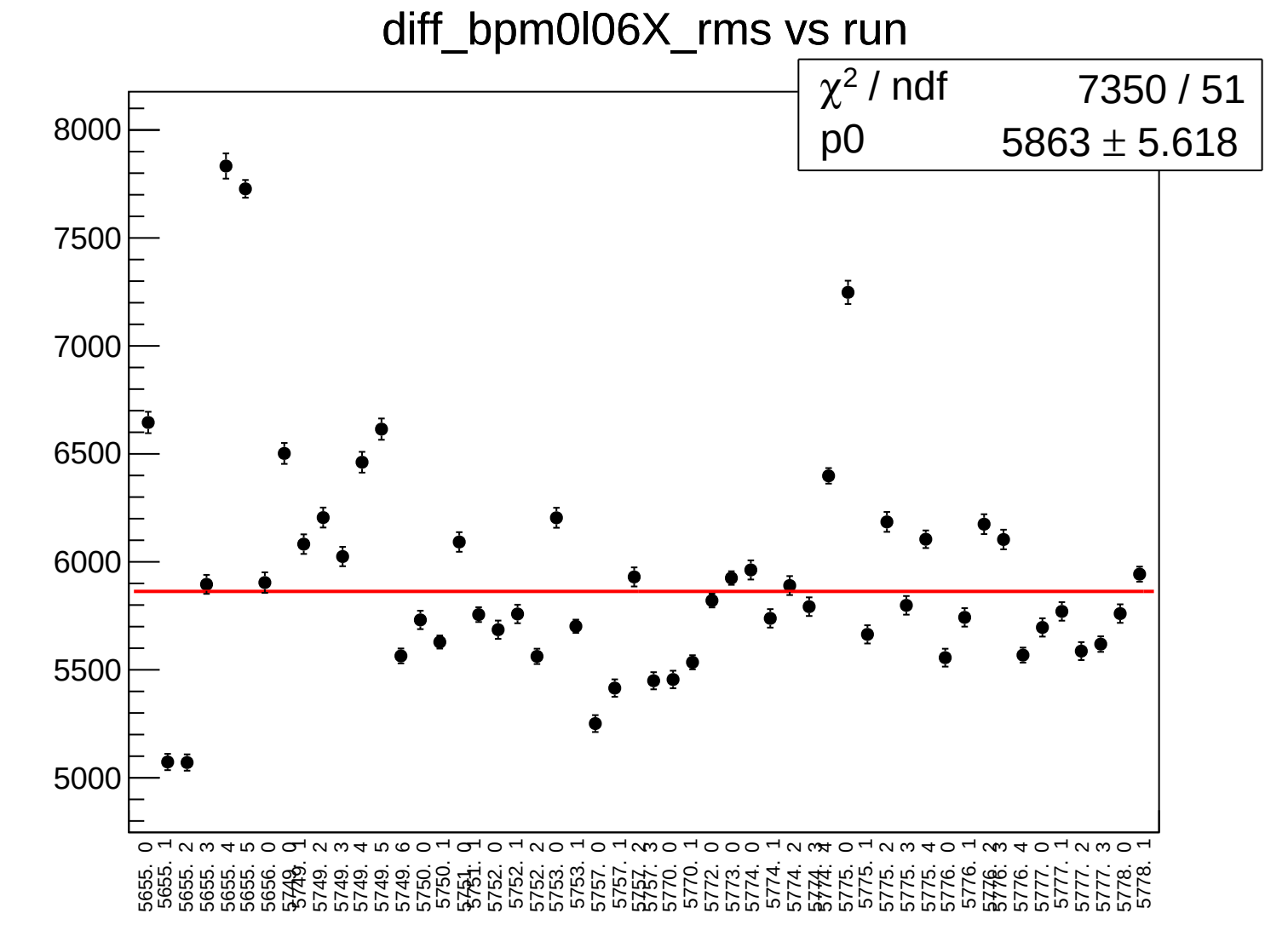
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


diff_bpm0l06X_mean vs run
χ² / ndf 65.59 / 51
p0 −17.17 ± 7.946
pull
Entries 52
Mean 62.62
Std Dev 16.56


pull1D
Entries 52
Mean 0.01703
Std Dev 1.123


diff_bpm0l06X_rms vs run
χ² / ndf 7350 / 51
p0 5863 ± 5.618
8000
7500
7000
6500
6000
5500
5000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
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5757. 2
5757. 3
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
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5775. 2
5775. 3
5775. 4
5776. 0
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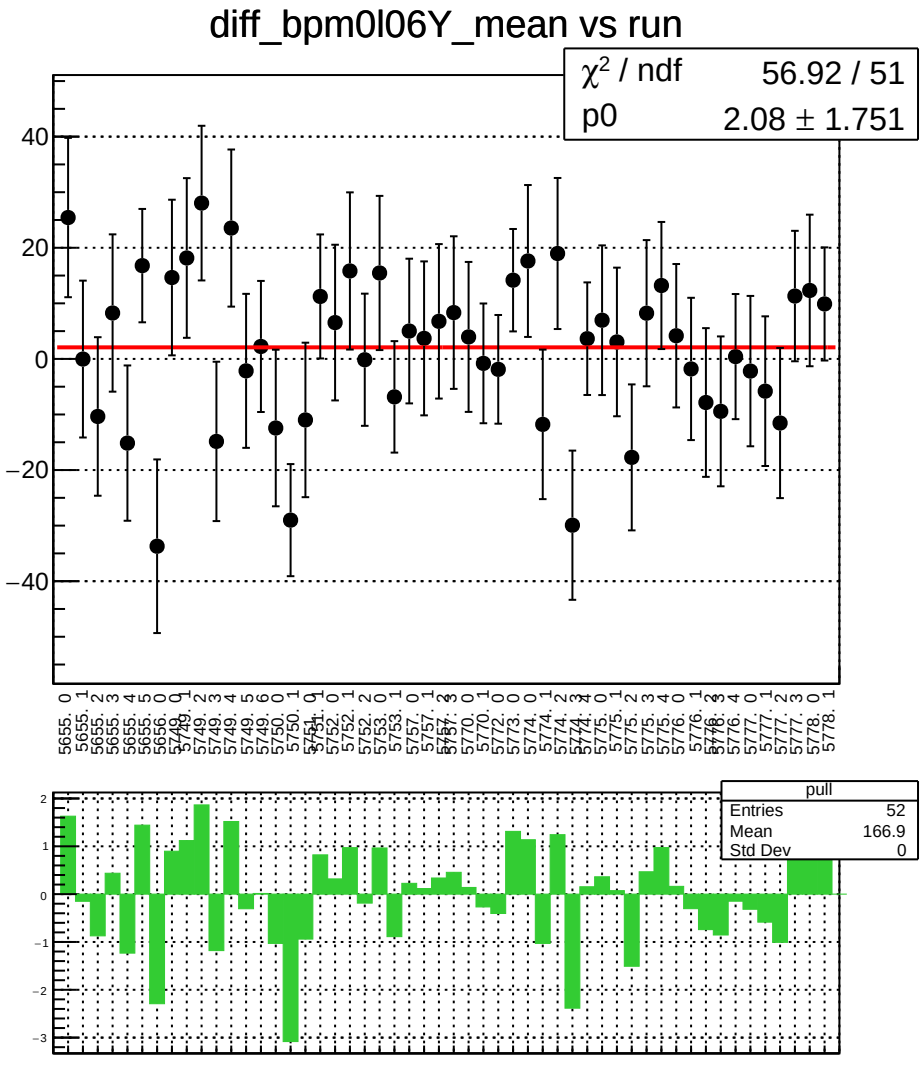
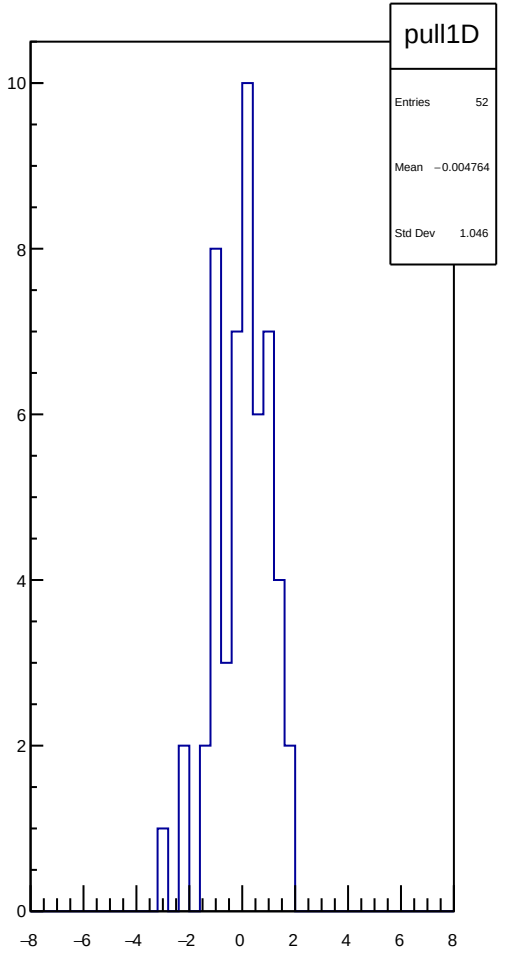
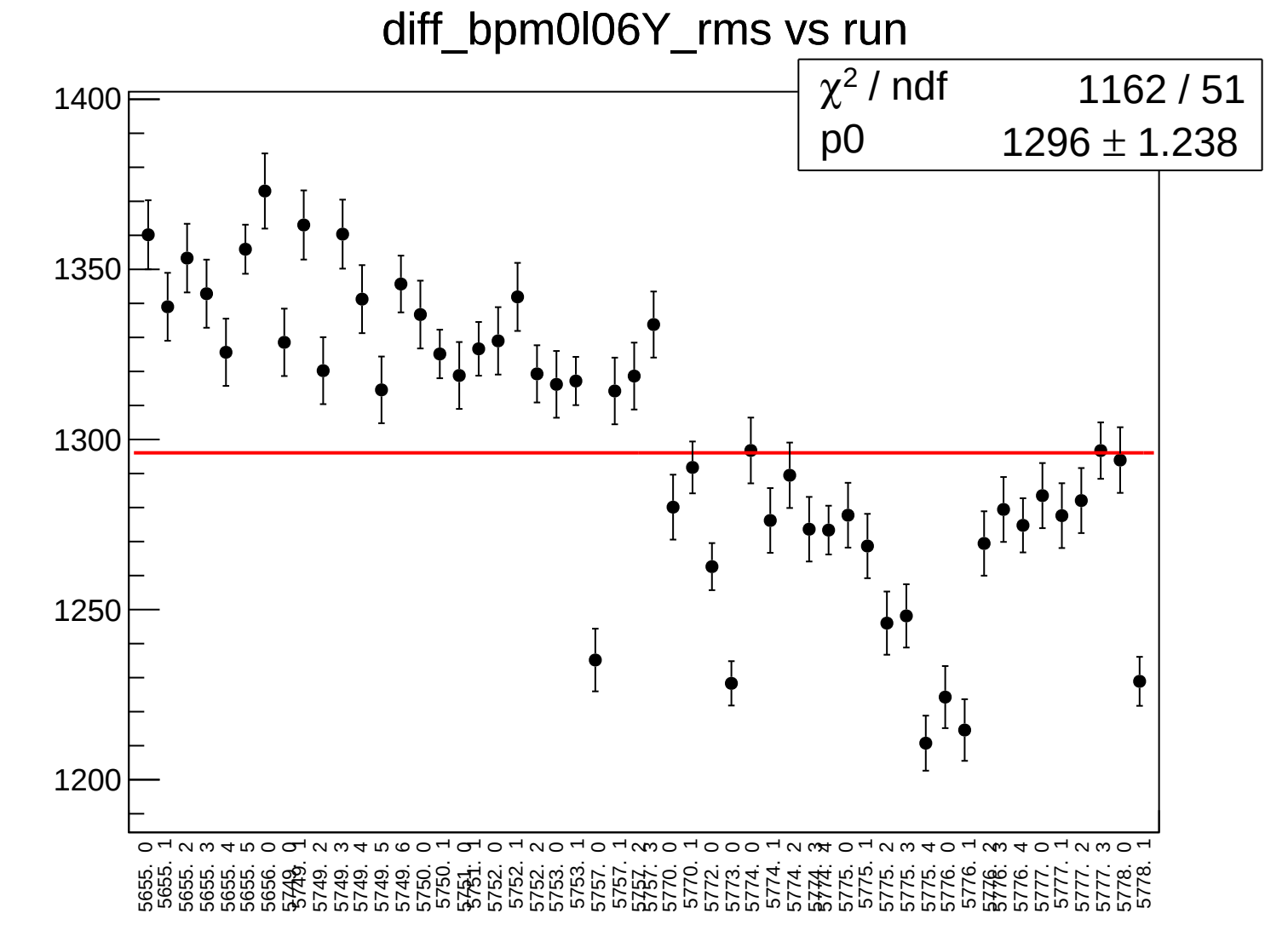
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


diff_bpm0l06Y_mean vs run
χ² / ndf 56.92 / 51
p0 2.08 ± 1.751
pull
Entries 52
Mean 166.9
Std Dev 0


pull1D
Entries 52
Mean −0.004764
Std Dev 1.046


diff_bpm0l06Y_rms vs run
χ² / ndf 1162 / 51
p0 1296 ± 1.238
1400
1350
1300
1250
1200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
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5757. 1
5757. 2
5757. 3
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
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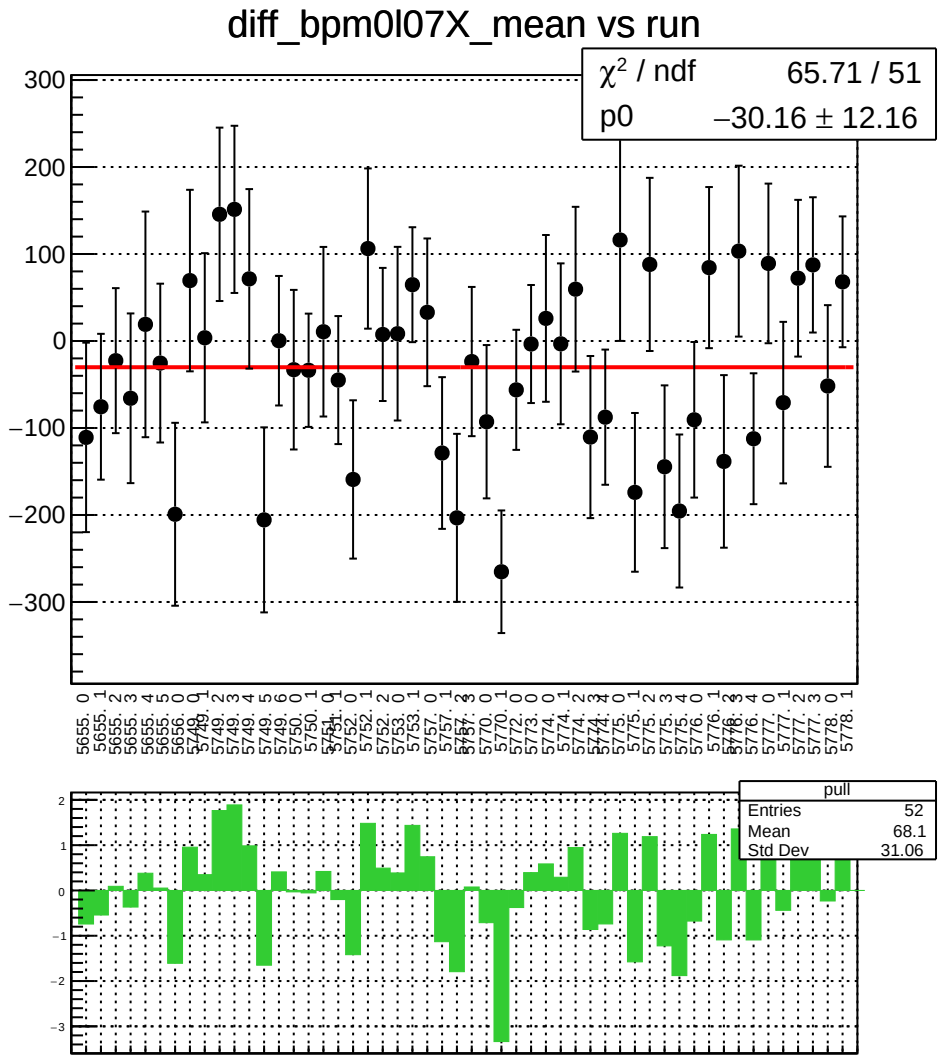
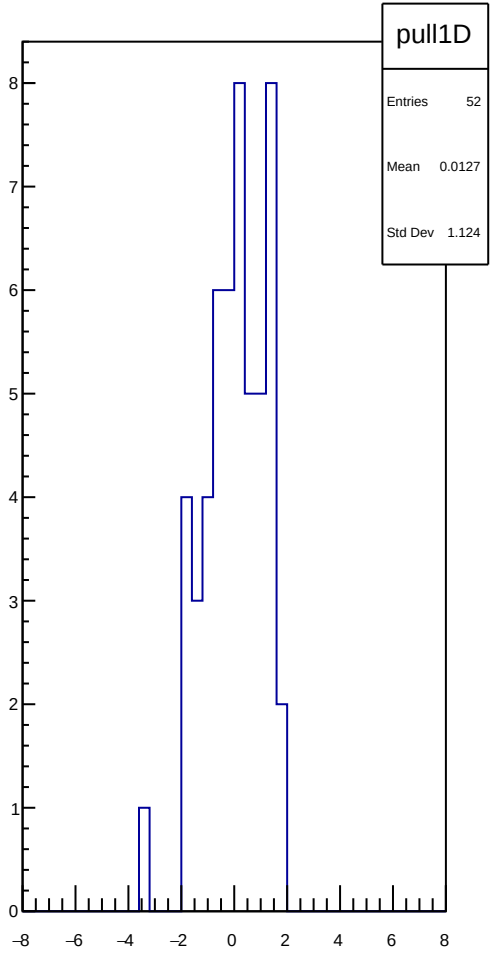
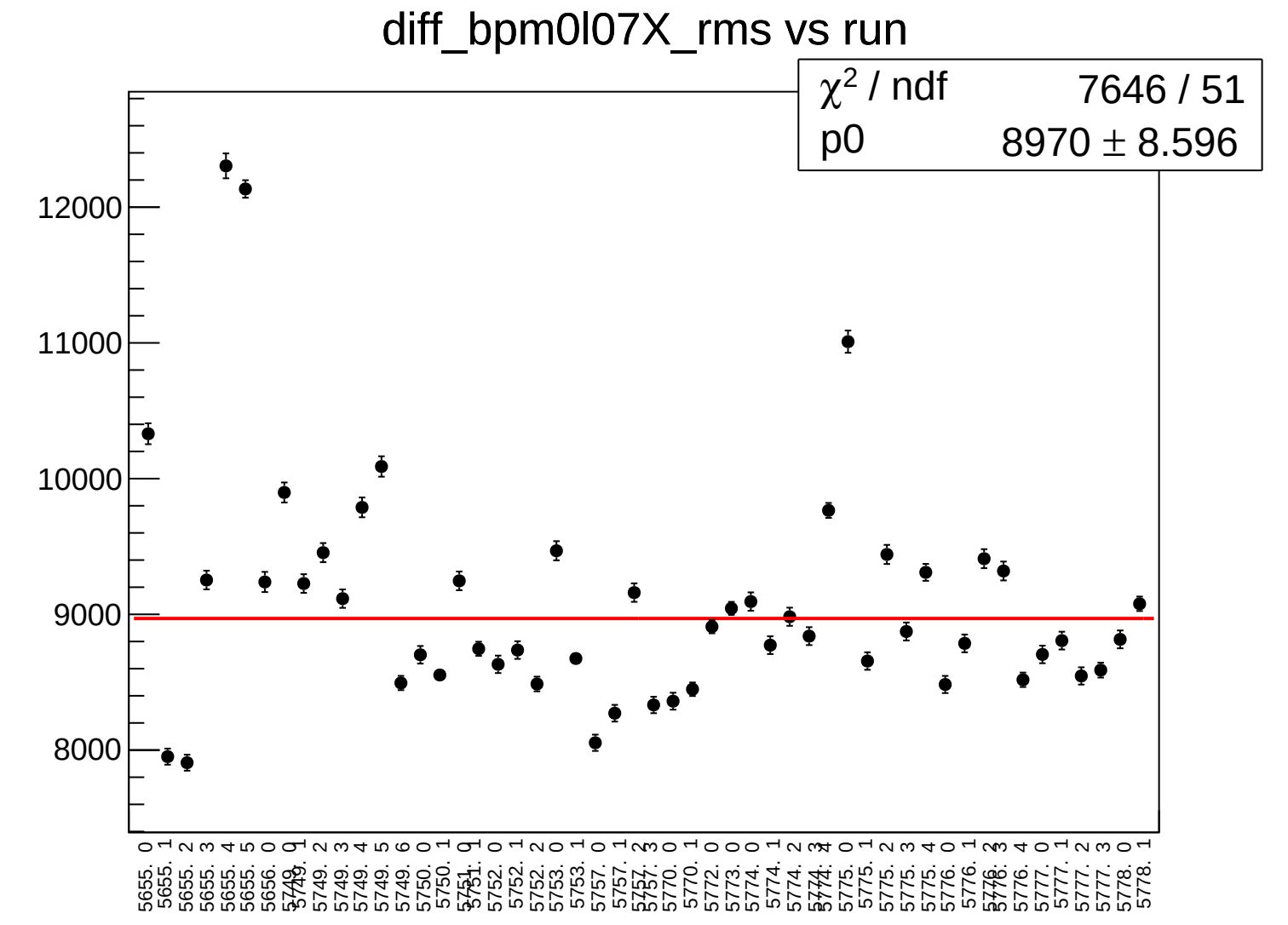
5777. 2
5777. 3
5778. 0
5778. 1


diff_bpm0l07X_mean vs run
χ² / ndf 65.71 / 51
p0 −30.16 ± 12.16
pull
Entries 52
Mean 68.1
Std Dev 31.06


pull1D
Entries 52
Mean 0.0127
Std Dev 1.124


diff_bpm0l07X_rms vs run
χ² / ndf 7646 / 51
p0 8970 ± 8.596
12000
11000
10000
9000
8000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5750. 1
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5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5773. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
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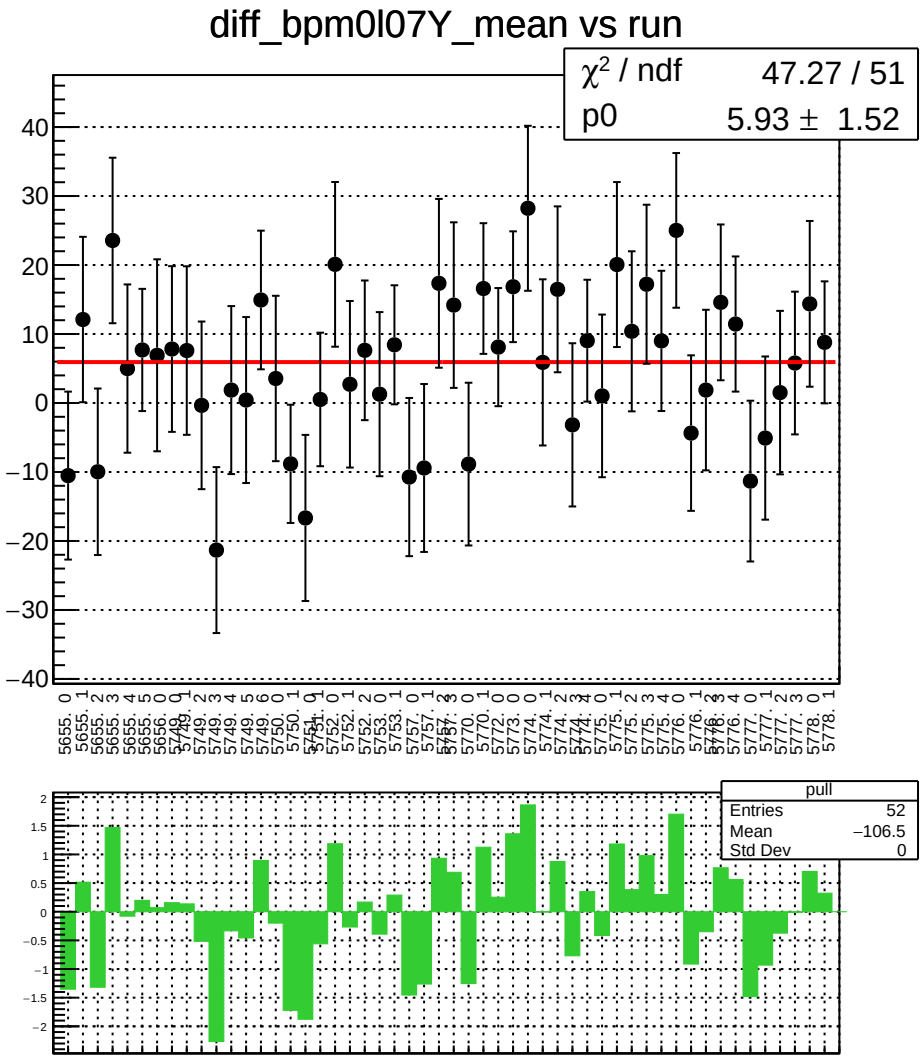
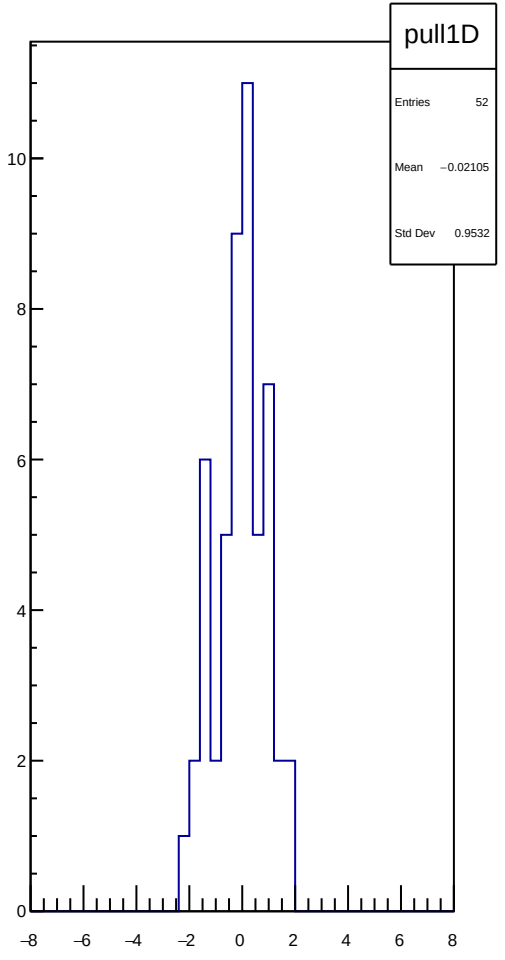
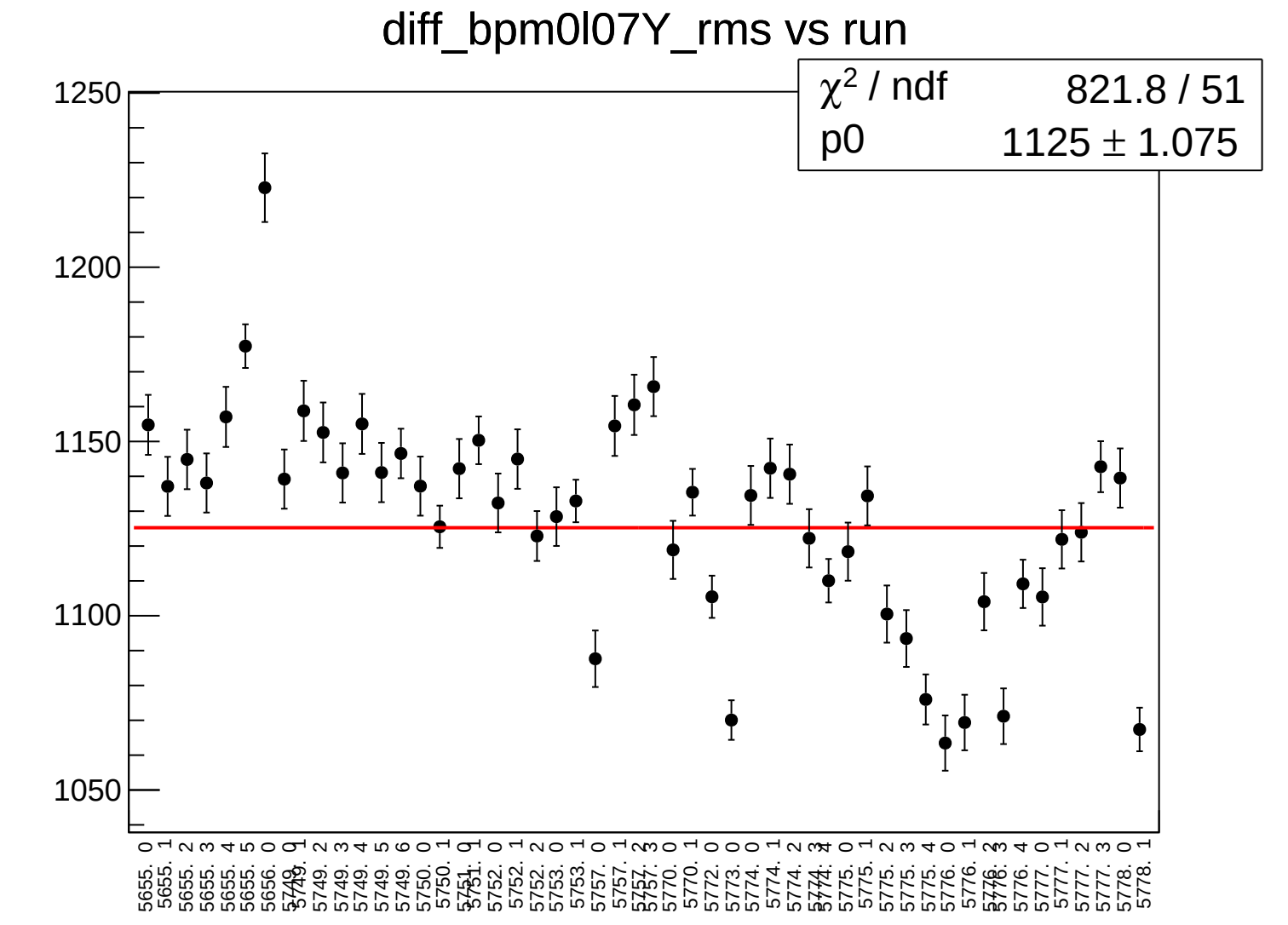
5777. 2
5777. 3
5778. 0
5778. 1


diff_bpm0l07Y_mean vs run
χ² / ndf 47.27 / 51
p0 5.93 ± 1.52
pull
Entries 52
Mean −106.5
Std Dev 0


pull1D
Entries 52
Mean −0.02105
Std Dev 0.9532


diff_bpm0l07Y_rms vs run
χ² / ndf 821.8 / 51
p0 1125 ± 1.075
1250
1200
1150
1100
1050
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5749. 1
5749. 2
5749. 3
5749. 4
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5749. 6
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5753. 1
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5774. 1
5774. 2
5774. 3
5774. 4
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5775. 4
5776. 0
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5777. 2
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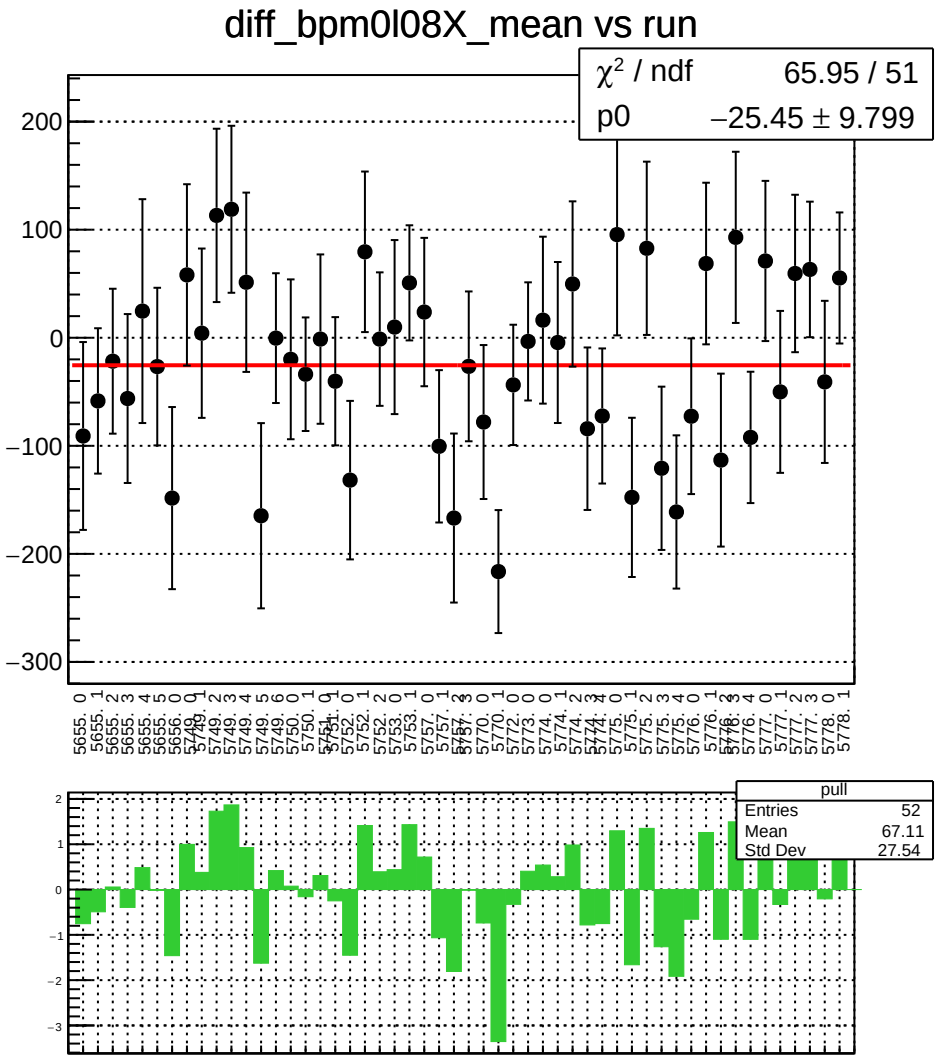
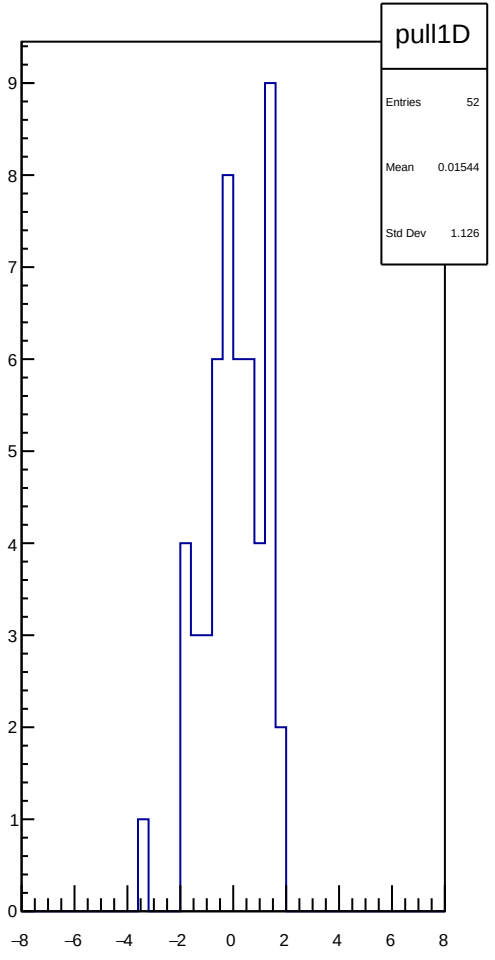
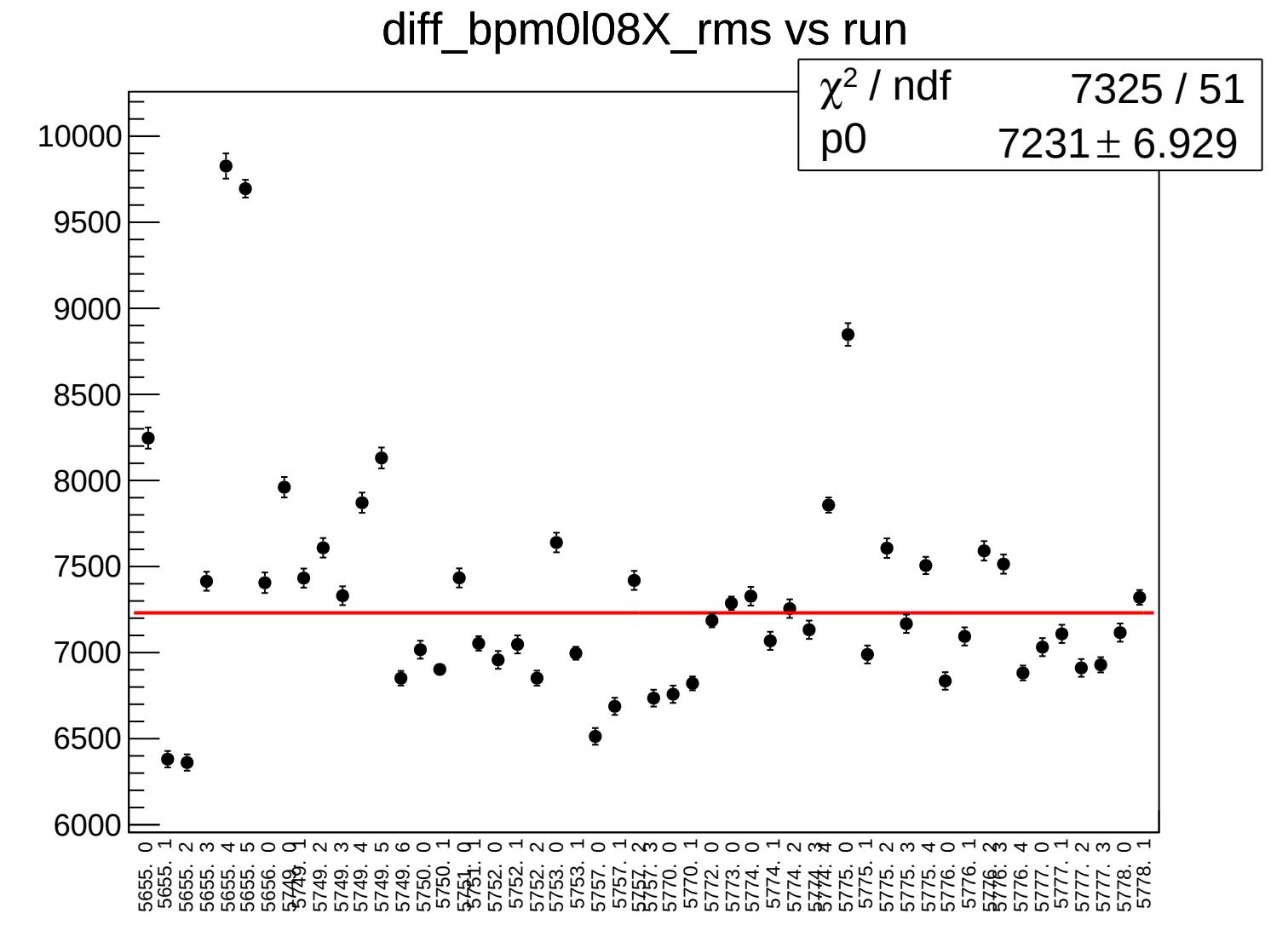
5778. 0
5778. 1


diff_bpm0l08X_mean vs run
χ² / ndf 65.95 / 51
p0 −25.45 ± 9.799
pull
Entries 52
Mean 67.11
Std Dev 27.54


pull1D
Entries 52
Mean 0.01544
Std Dev 1.126


diff_bpm0l08X_rms vs run
χ² / ndf 7325 / 51
p0 7231 ± 6.929
10000
9500
9000
8500
8000
7500
7000
6500
6000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5749. 6
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5773. 0
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5774. 2
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5775. 4
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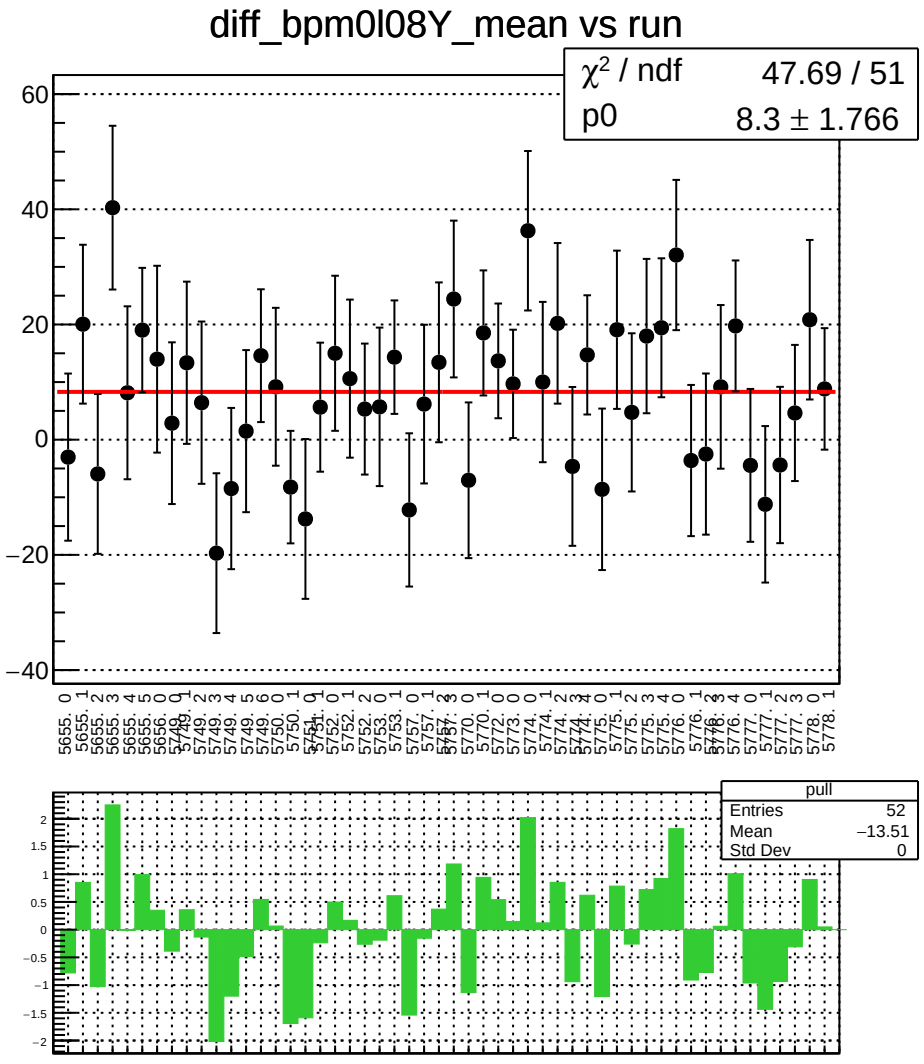
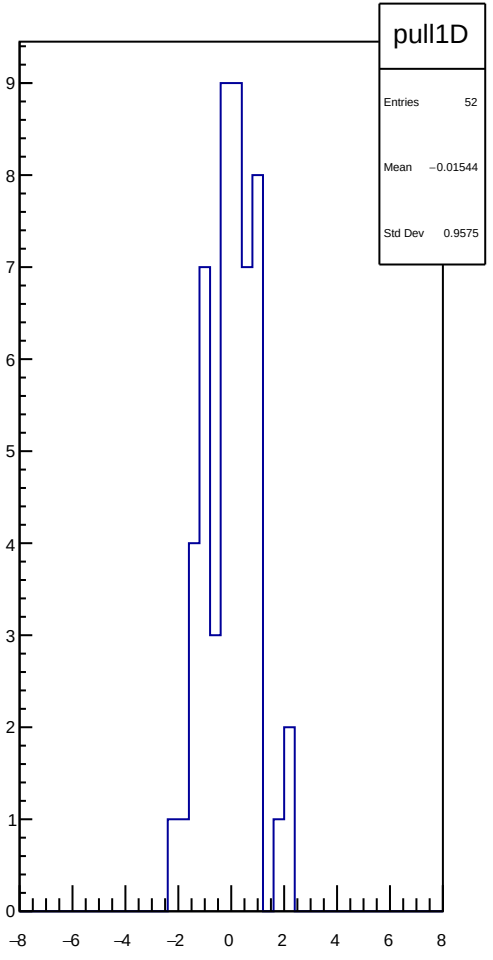
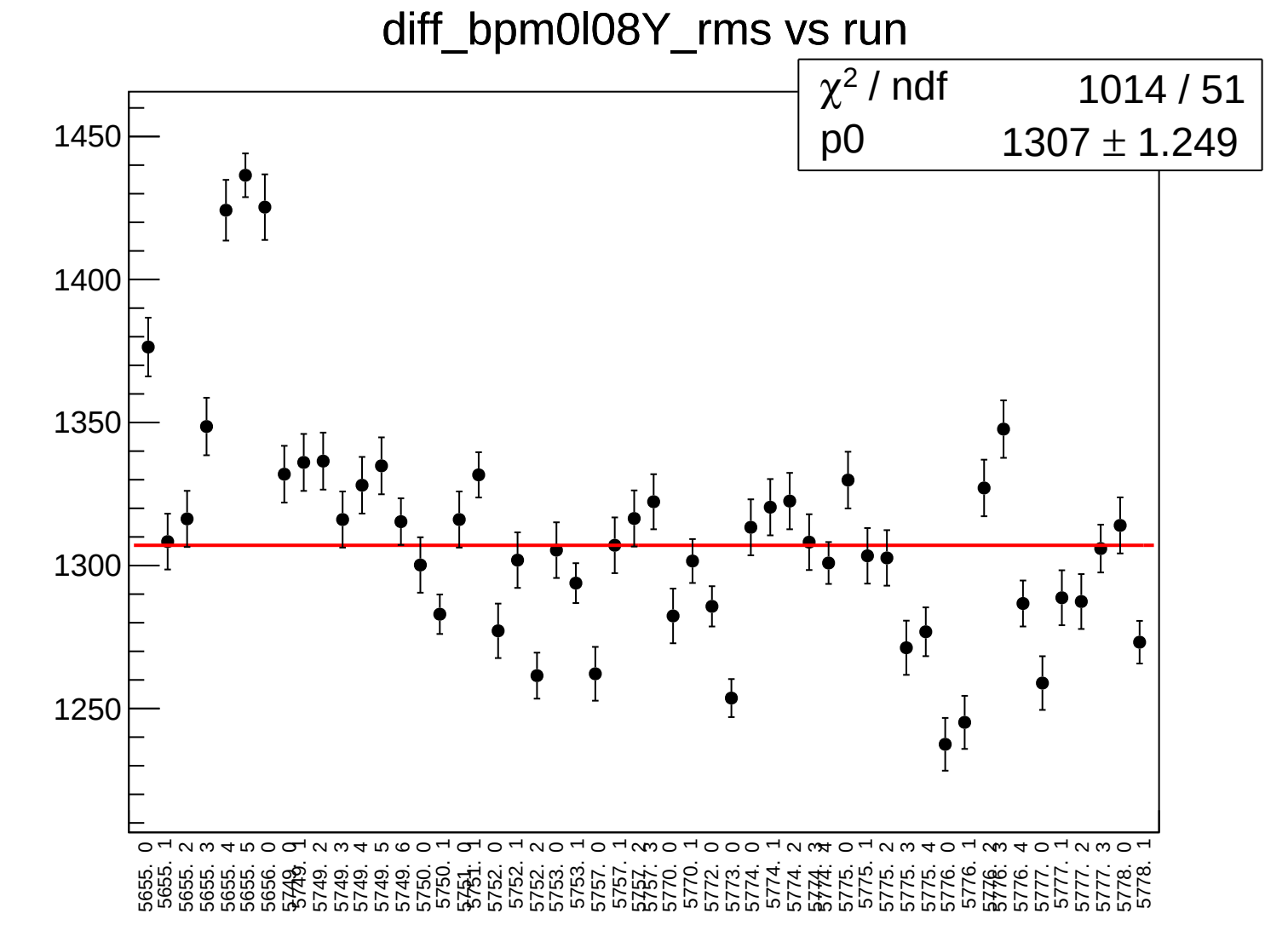

diff_bpm0l08Y_mean vs run
χ² / ndf 47.69 / 51
p0 8.3 ± 1.766
pull
Entries 52
Mean −13.51
Std Dev 0


pull1D
Entries 52
Mean −0.01544
Std Dev 0.9575


diff_bpm0l08Y_rms vs run
χ² / ndf 1014 / 51
p0 1307 ± 1.249
1450
1400
1350
1300
1250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
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5753. 0
5753. 1
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5757. 1
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5770. 0
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5774. 1
5774. 2
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5774. 4
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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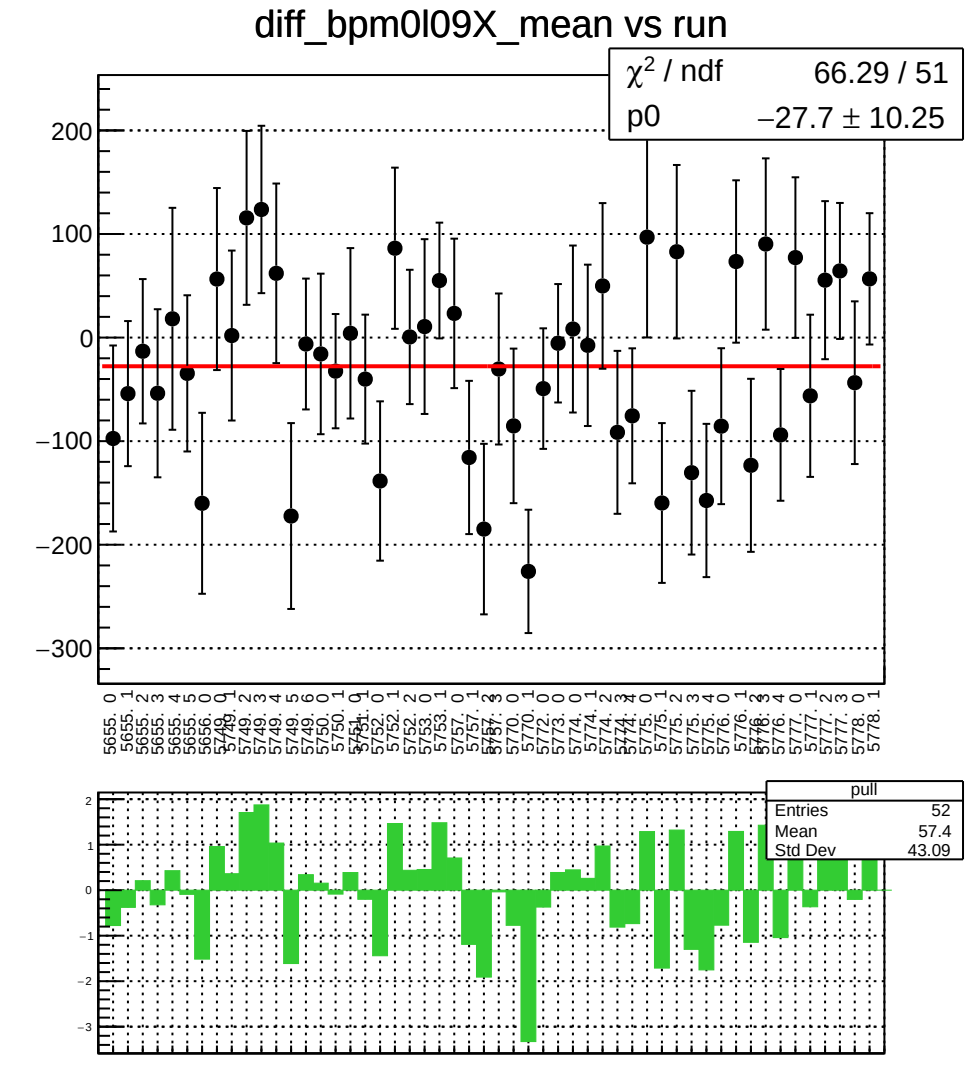
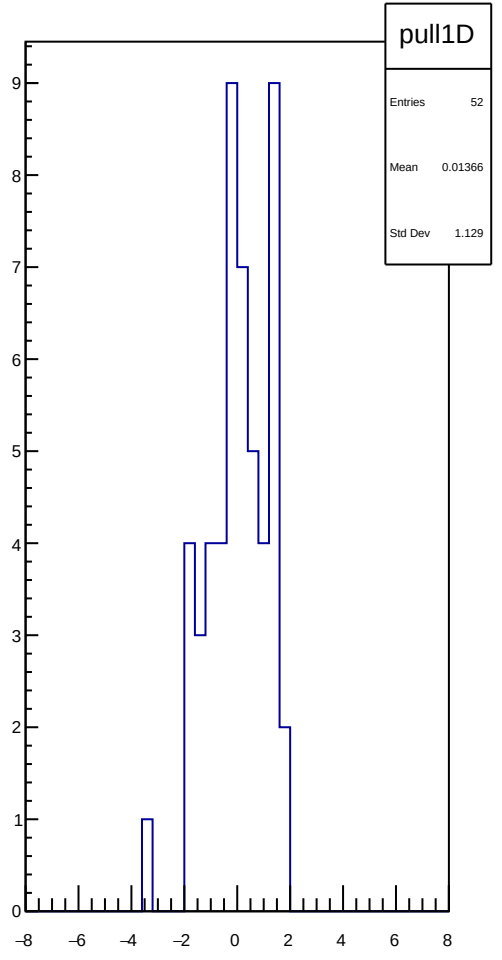
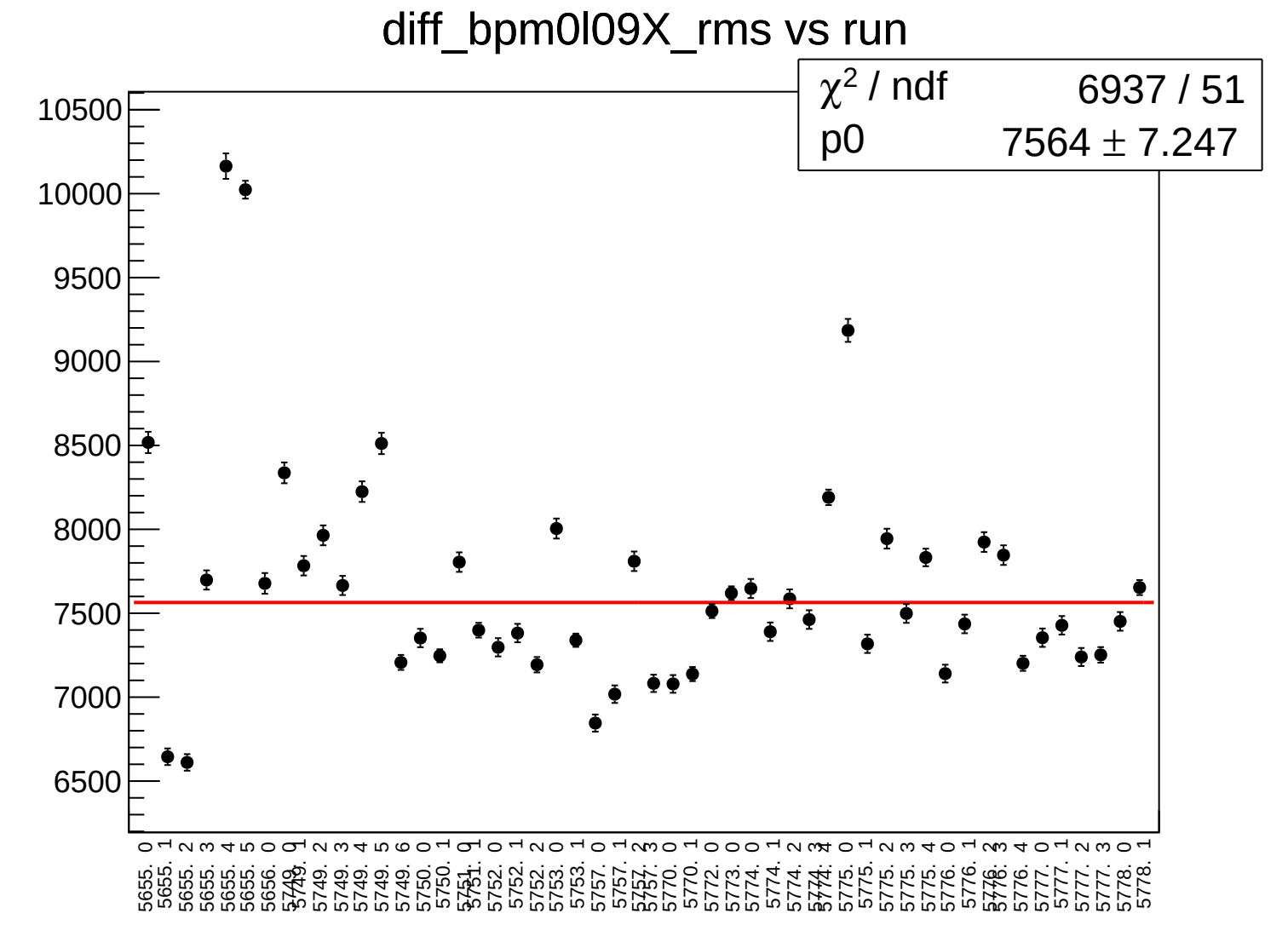
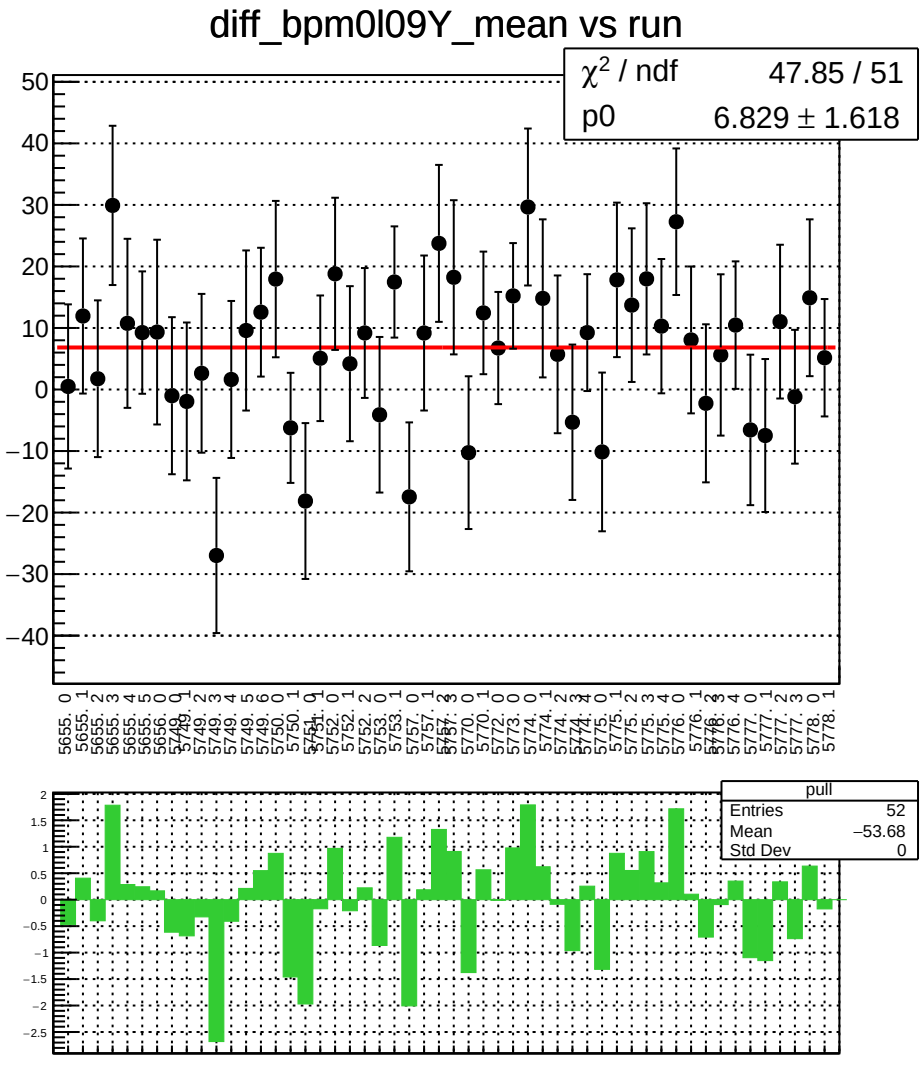
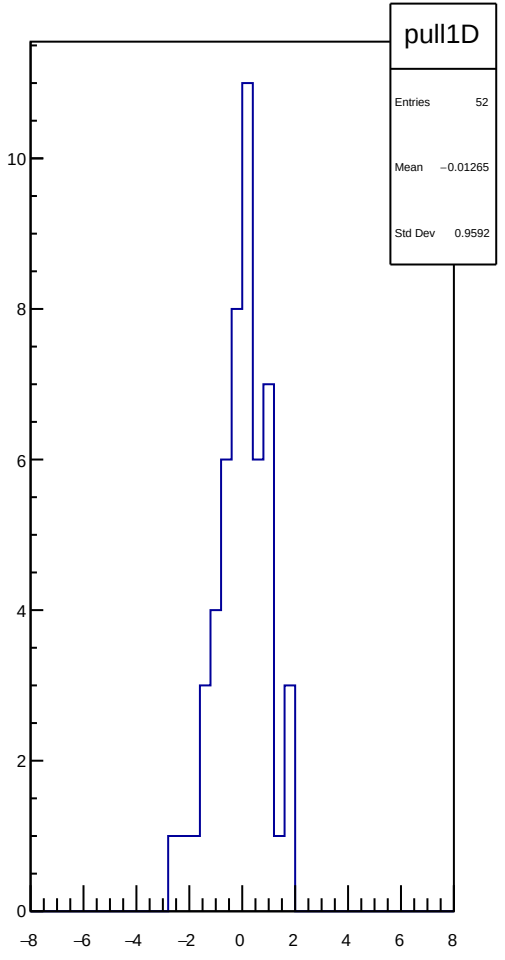
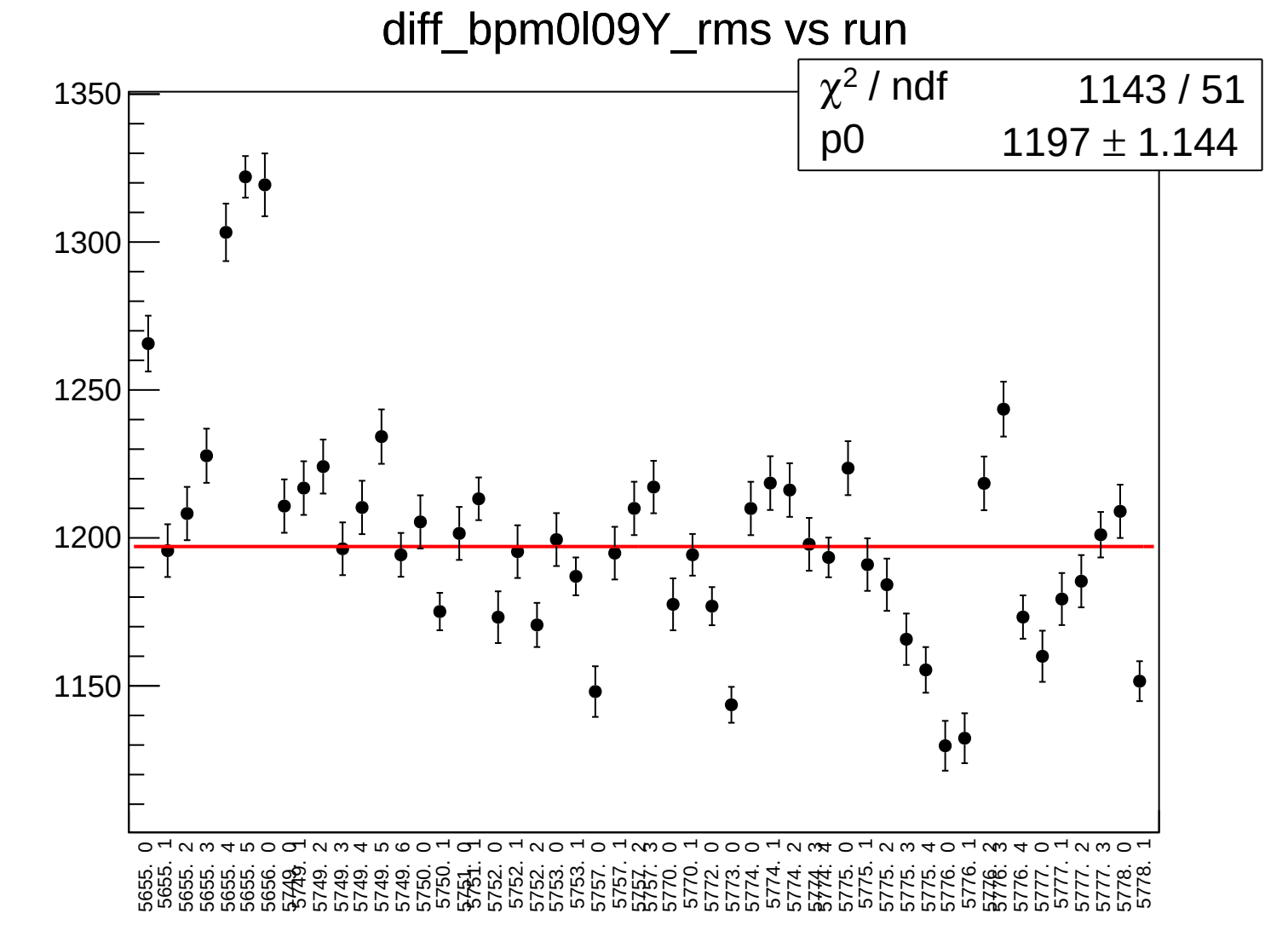

diff_bpm0l09X_mean vs run
χ^2 / ndf 66.29 / 51
p0 −27.7 ± 10.25
200
100
0
−100
−200
−300
pull
Entries 52
Mean 57.4
Std Dev 43.09
2
1
0
−1
−2
−3

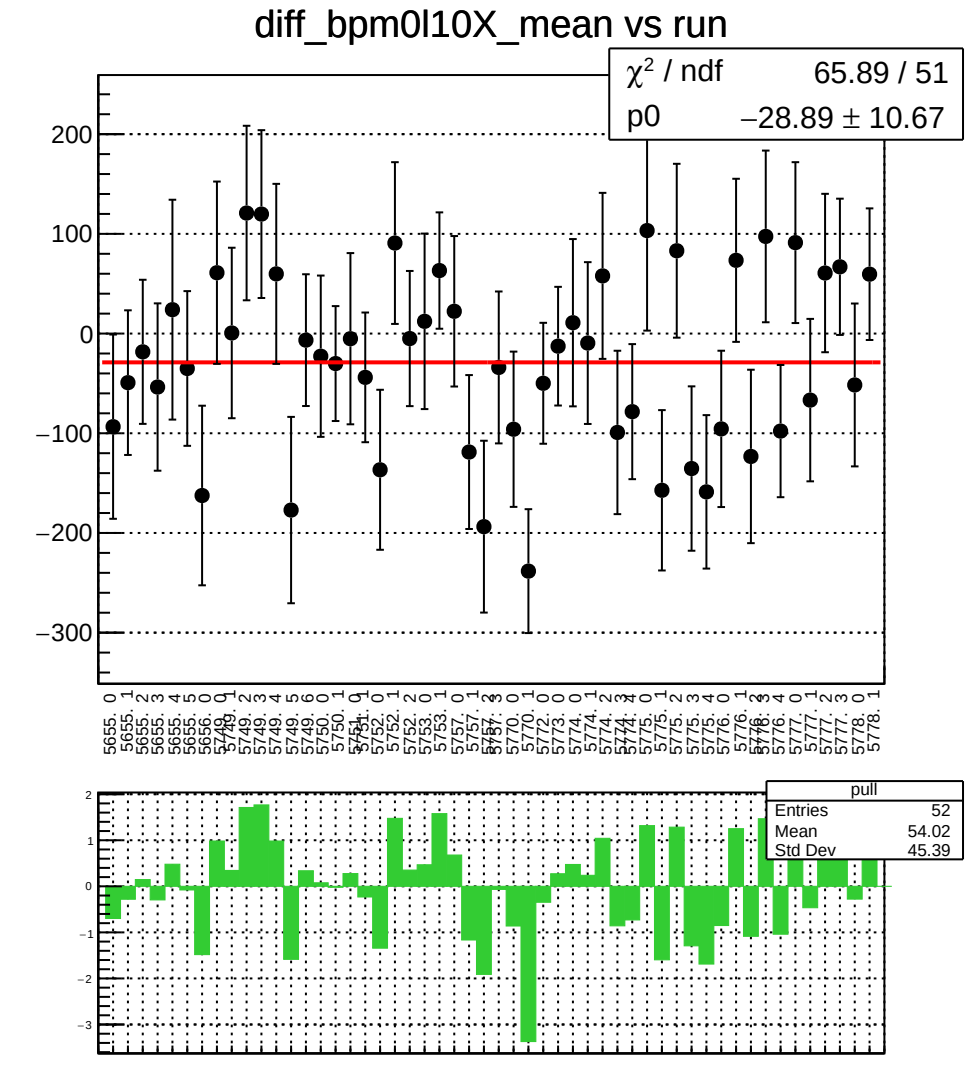

pull1D
Entries 52
Mean 0.01366
Std Dev 1.129
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

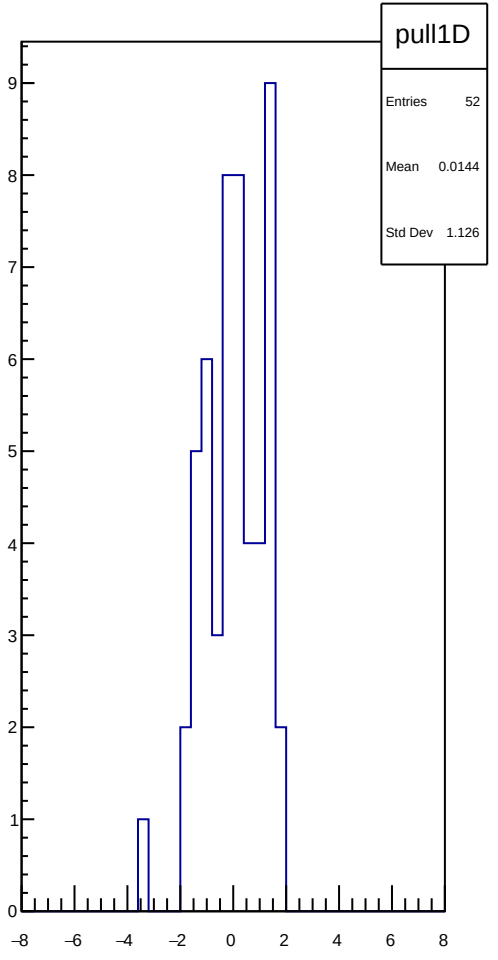

diff_bpm0l09X_rms vs run
χ² / ndf 6937 / 51
p0 7564 ± 7.247
10500
10000
9500
9000
8500
8000
7500
7000
6500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

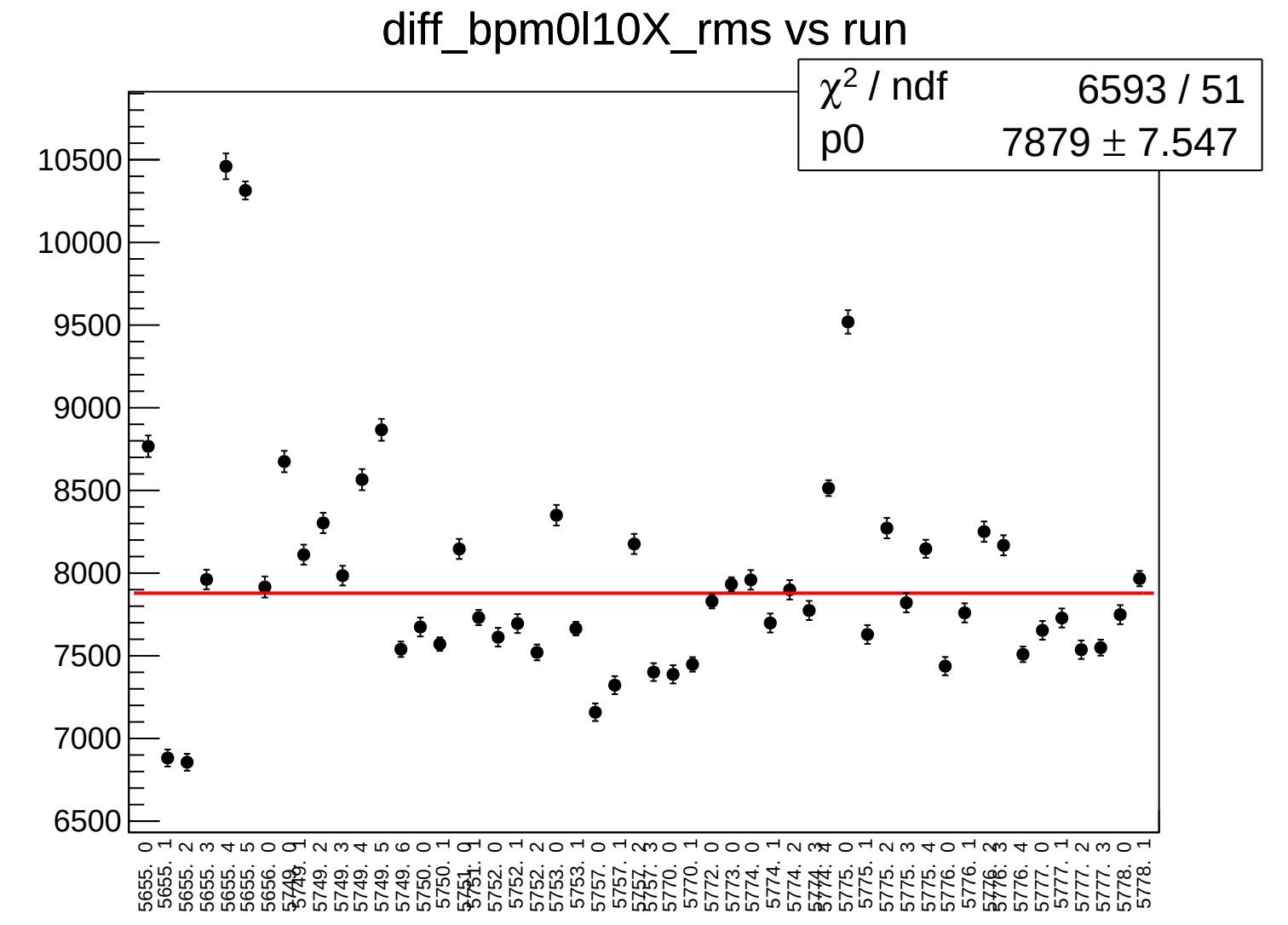

diff_bpm0l09Y_mean vs run
χ² / ndf 47.85 / 51
p0 6.829 ± 1.618
pull
Entries 52
Mean −53.68
Std Dev 0

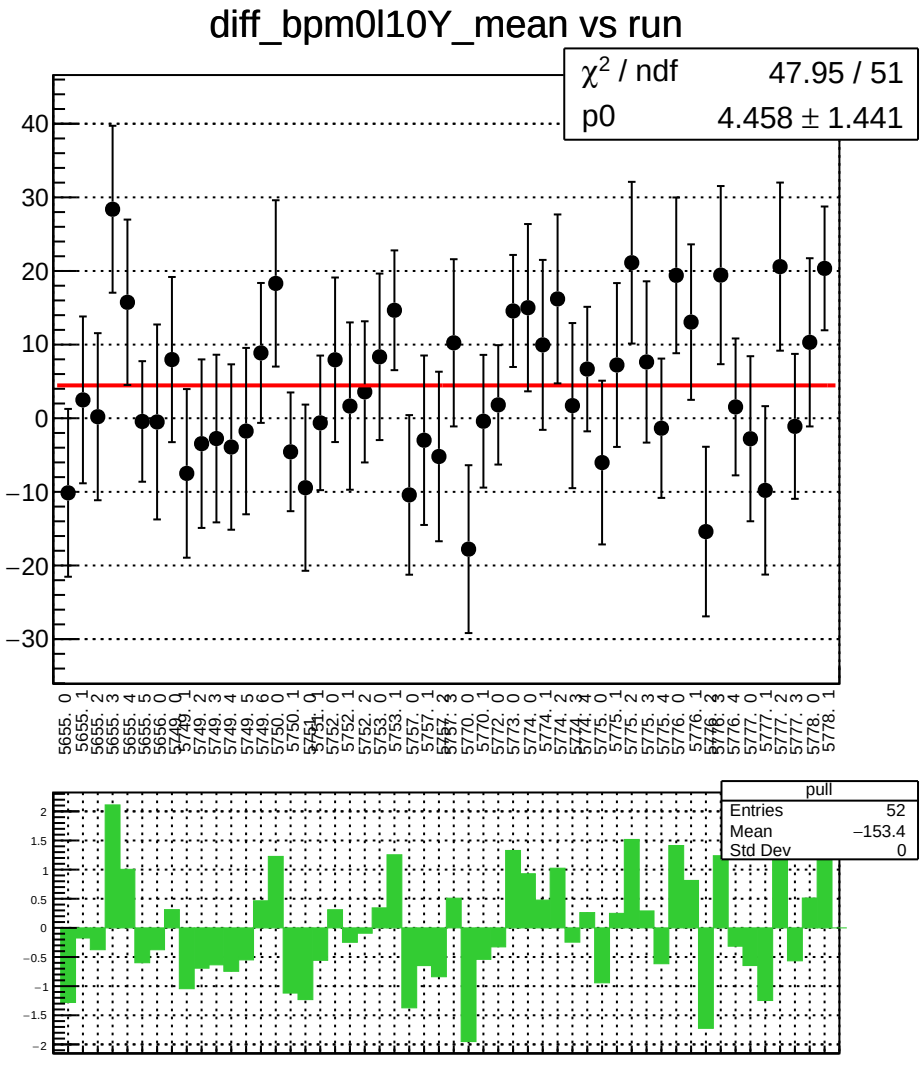

pull1D
Entries 52
Mean −0.01265
Std Dev 0.9592

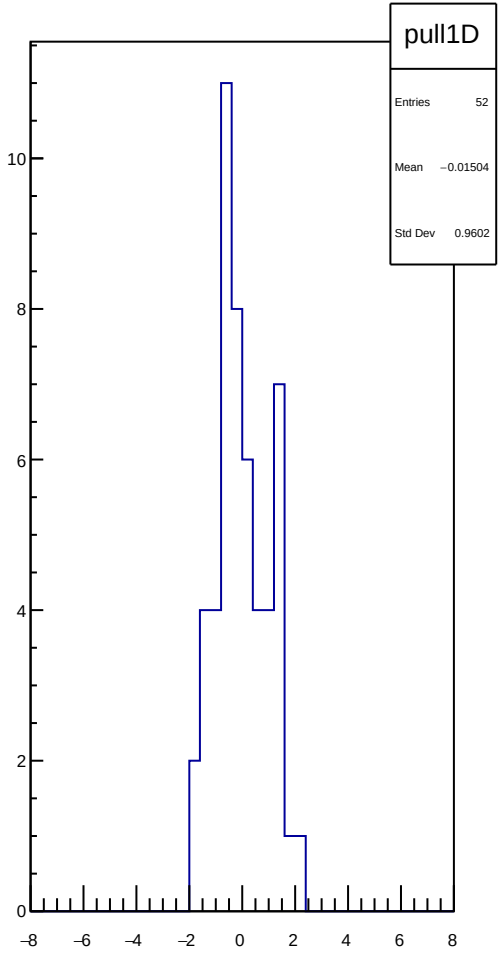

diff_bpm0l09Y_rms vs run
χ² / ndf 1143 / 51
p0 1197 ± 1.144
1350
1300
1250
1200
1150
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

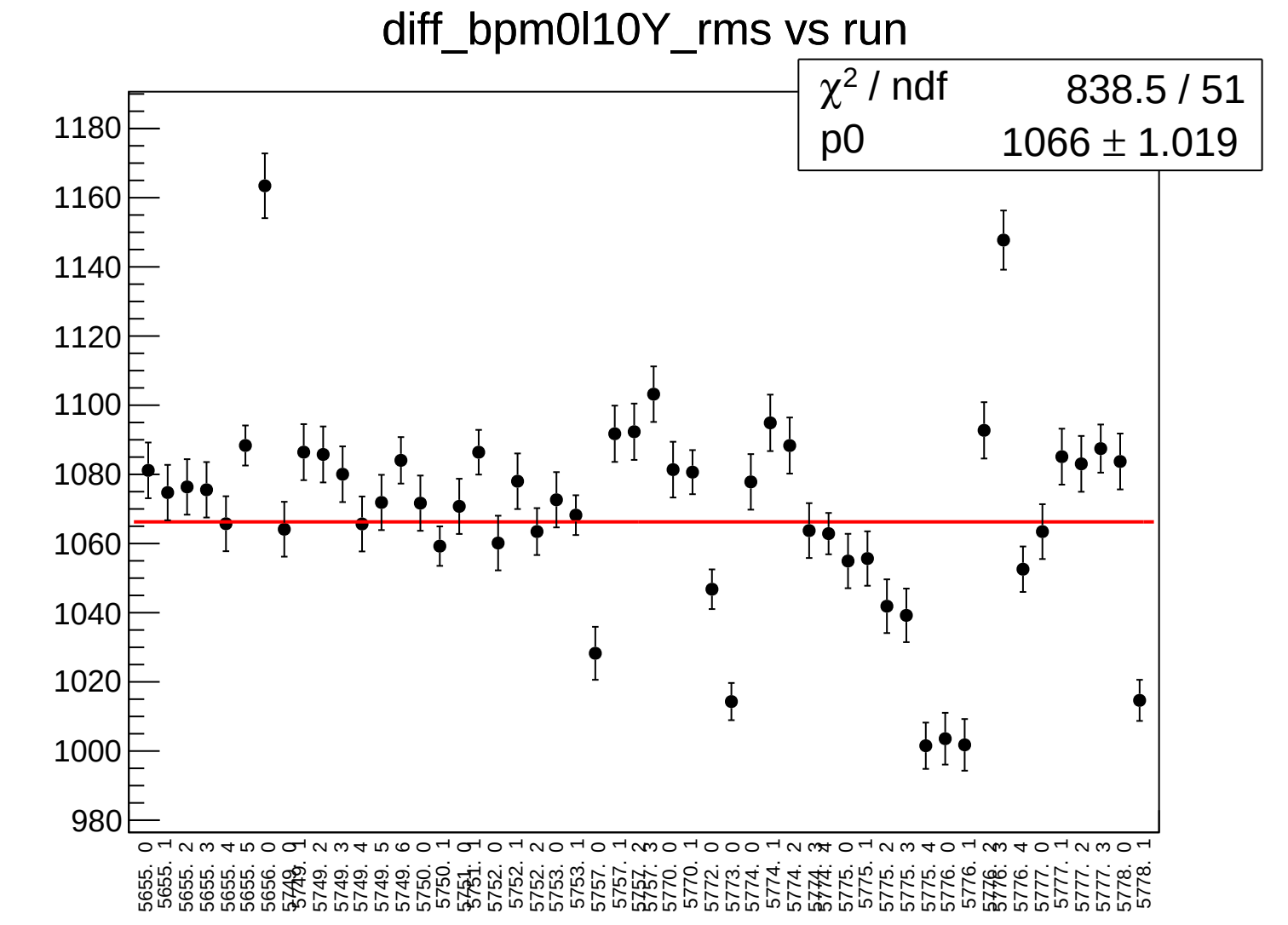

diff_bpm0l10X_mean vs run
χ² / ndf 65.89 / 51
p0 −28.89 ± 10.67
pull
Entries 52
Mean 54.02
Std Dev 45.39

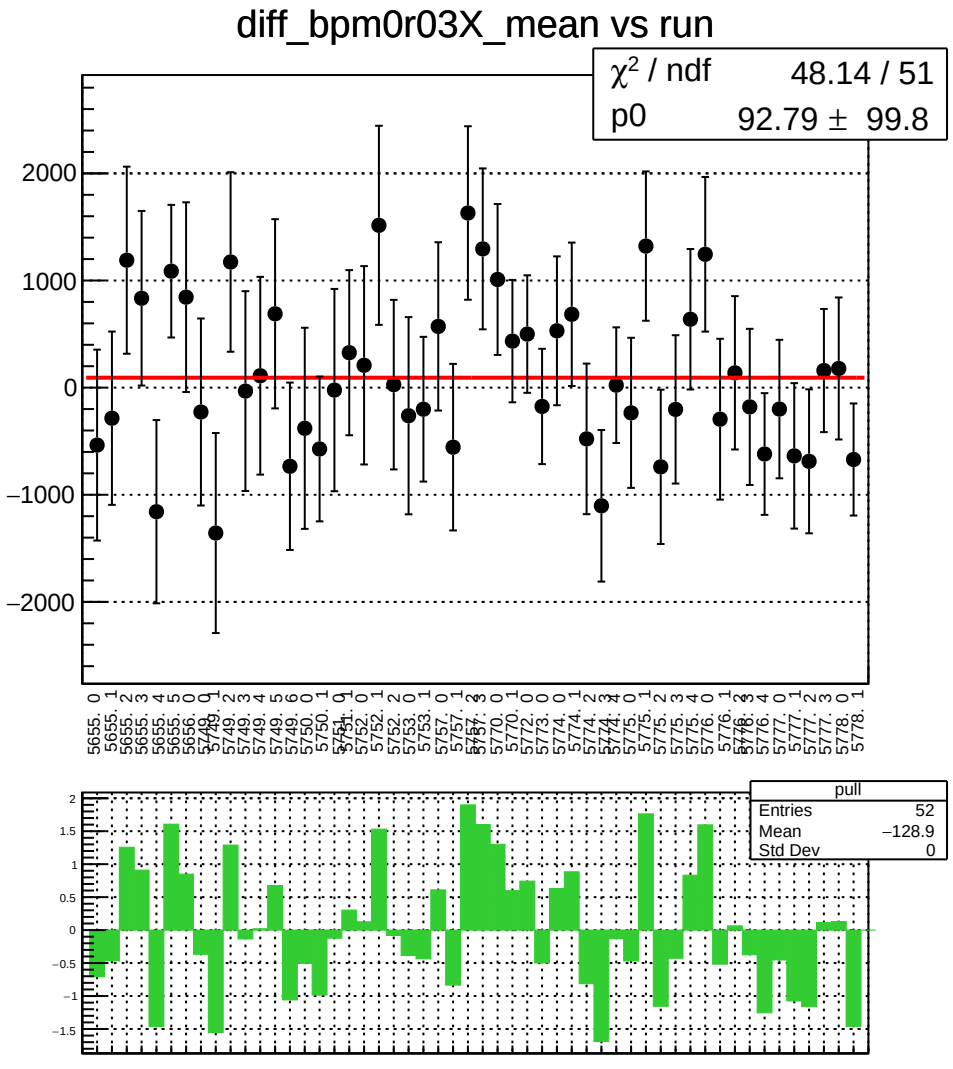

pull1D
Entries 52
Mean 0.0144
Std Dev 1.126

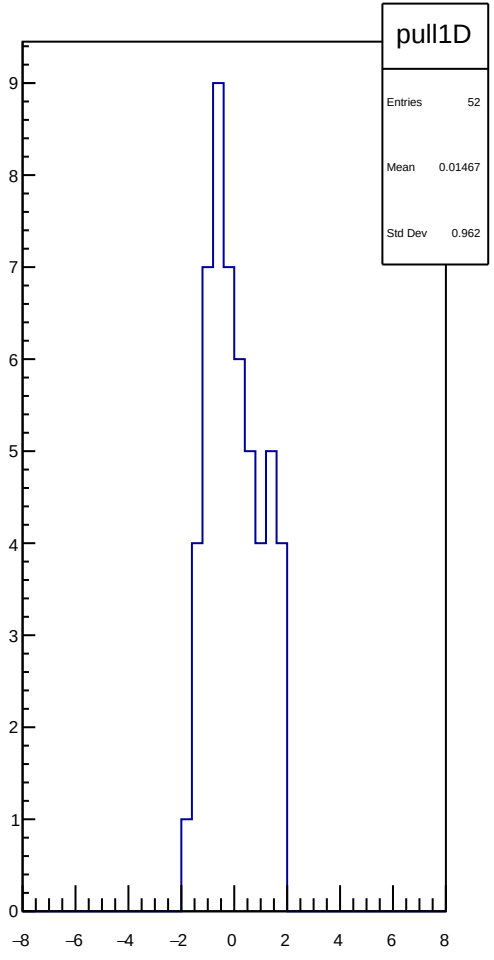

diff_bpm0l10X_rms vs run
χ² / ndf 6593 / 51
p0 7879 ± 7.547
10500
10000
9500
9000
8500
8000
7500
7000
6500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

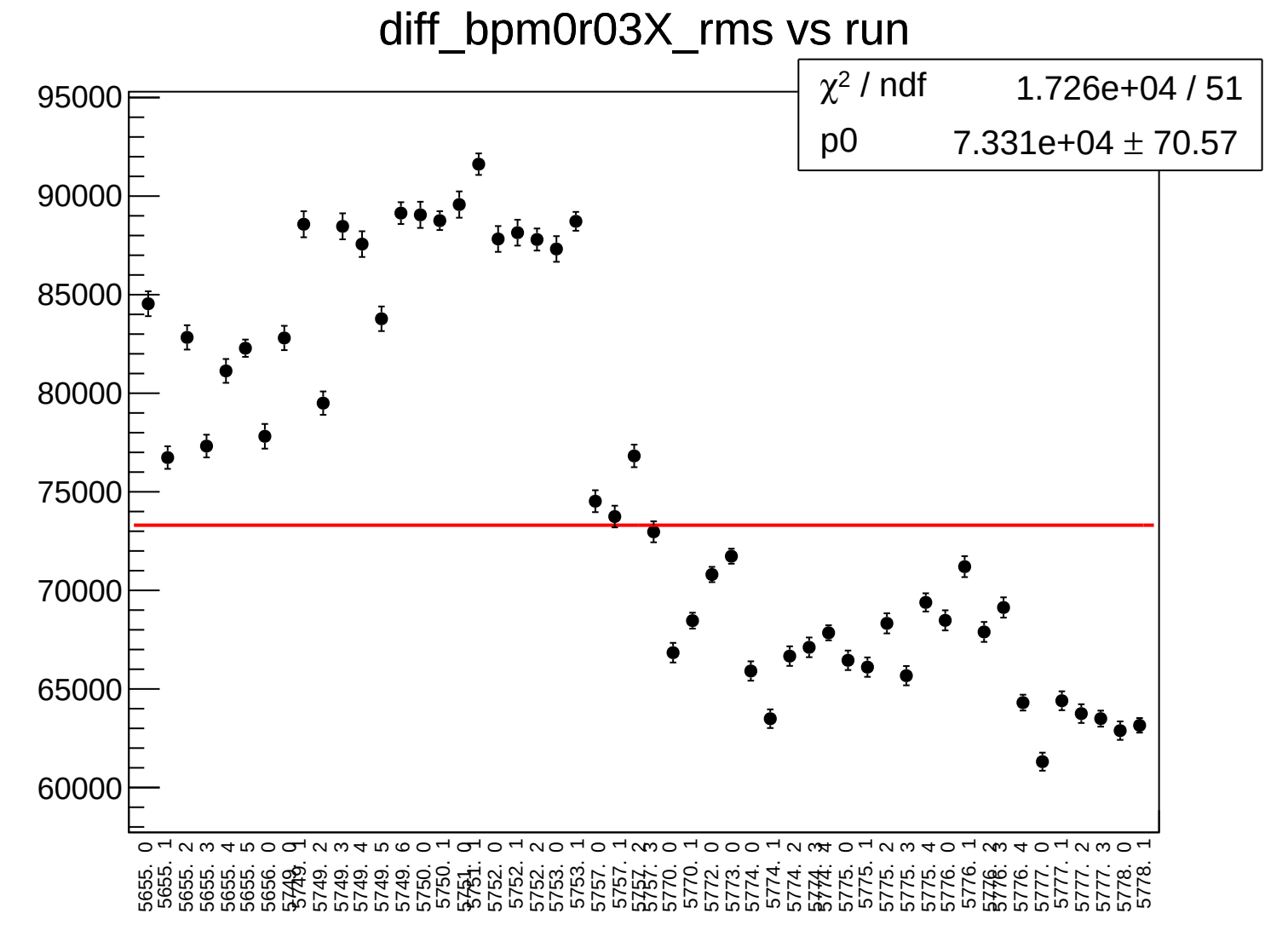

diff_bpm0l10Y_mean vs run
χ^2 / ndf 47.95 / 51
p0 4.458 ± 1.441
pull
Entries 52
Mean −153.4
Std Dev 0

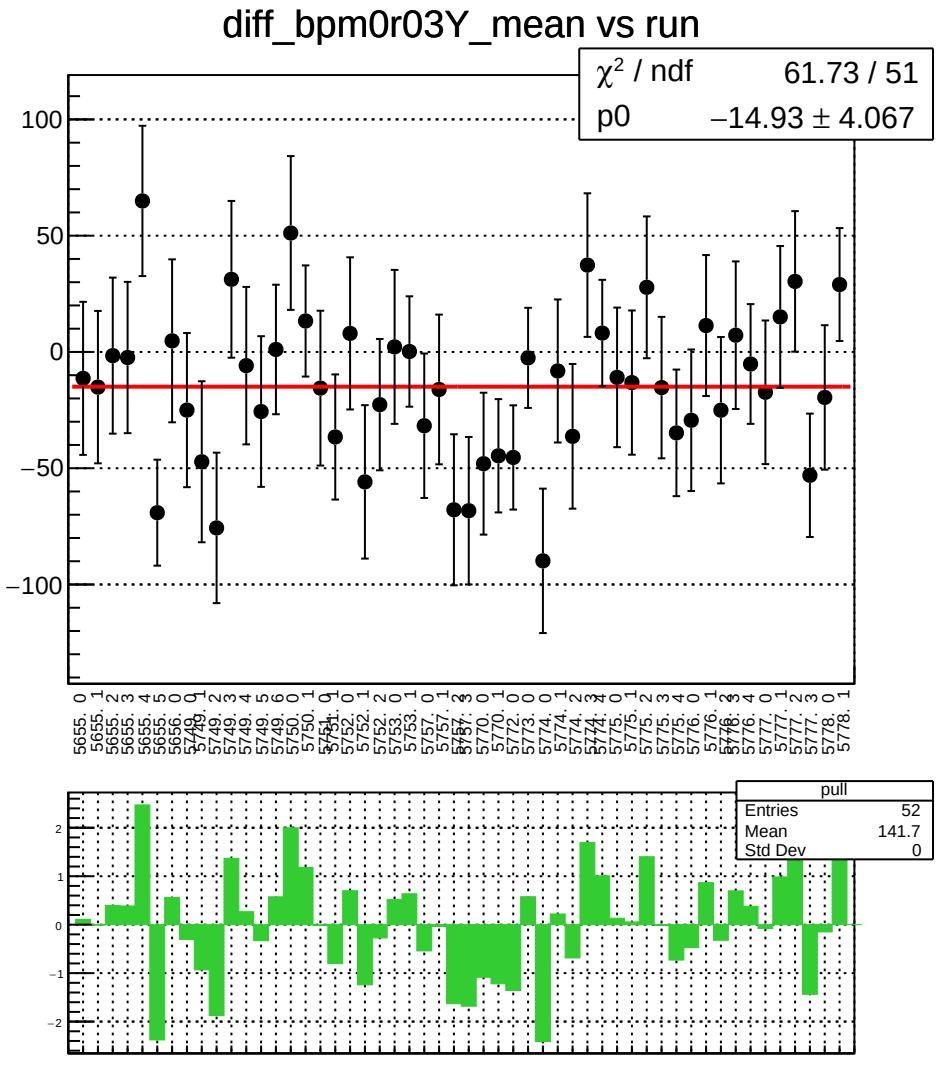

pull1D
Entries 52
Mean −0.01504
Std Dev 0.9602

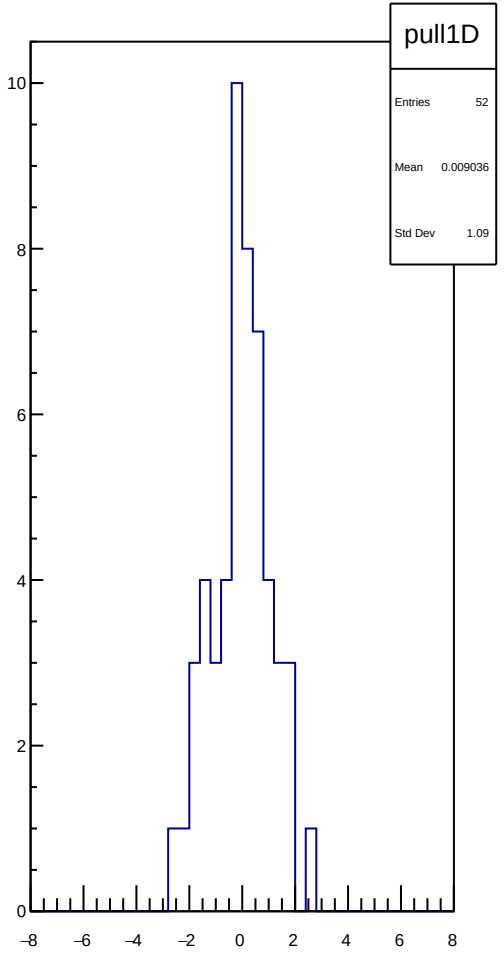

diff_bpm0l10Y_rms vs run
χ² / ndf 838.5 / 51
p0 1066 ± 1.019
1180
1160
1140
1120
1100
1080
1060
1040
1020
1000
980
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

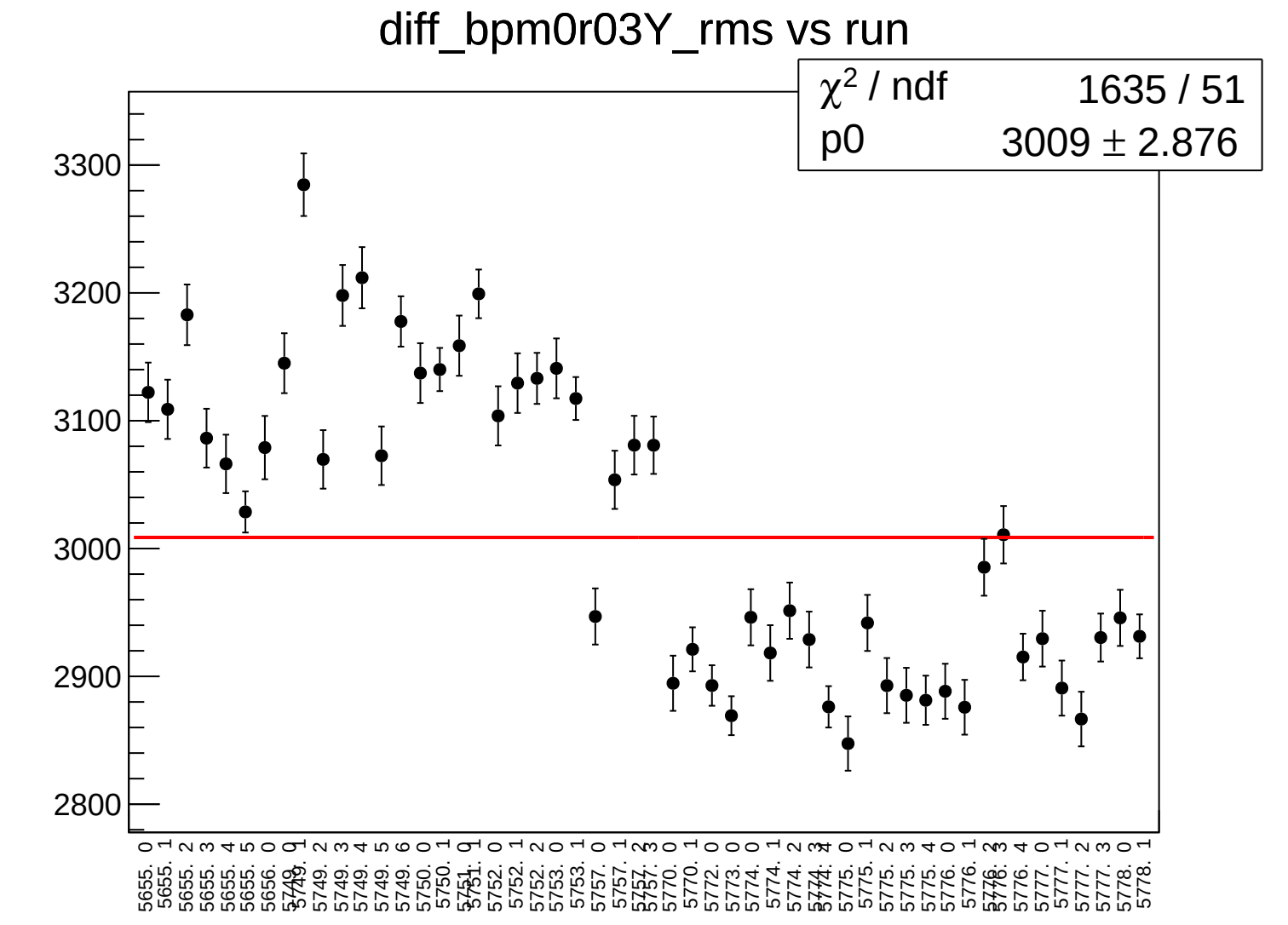

diff_bpm0r03X_mean vs run
χ² / ndf 48.14 / 51
p0 92.79 ± 99.8
2000
1000
0
−1000
−2000
pull
Entries 52
Mean −128.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

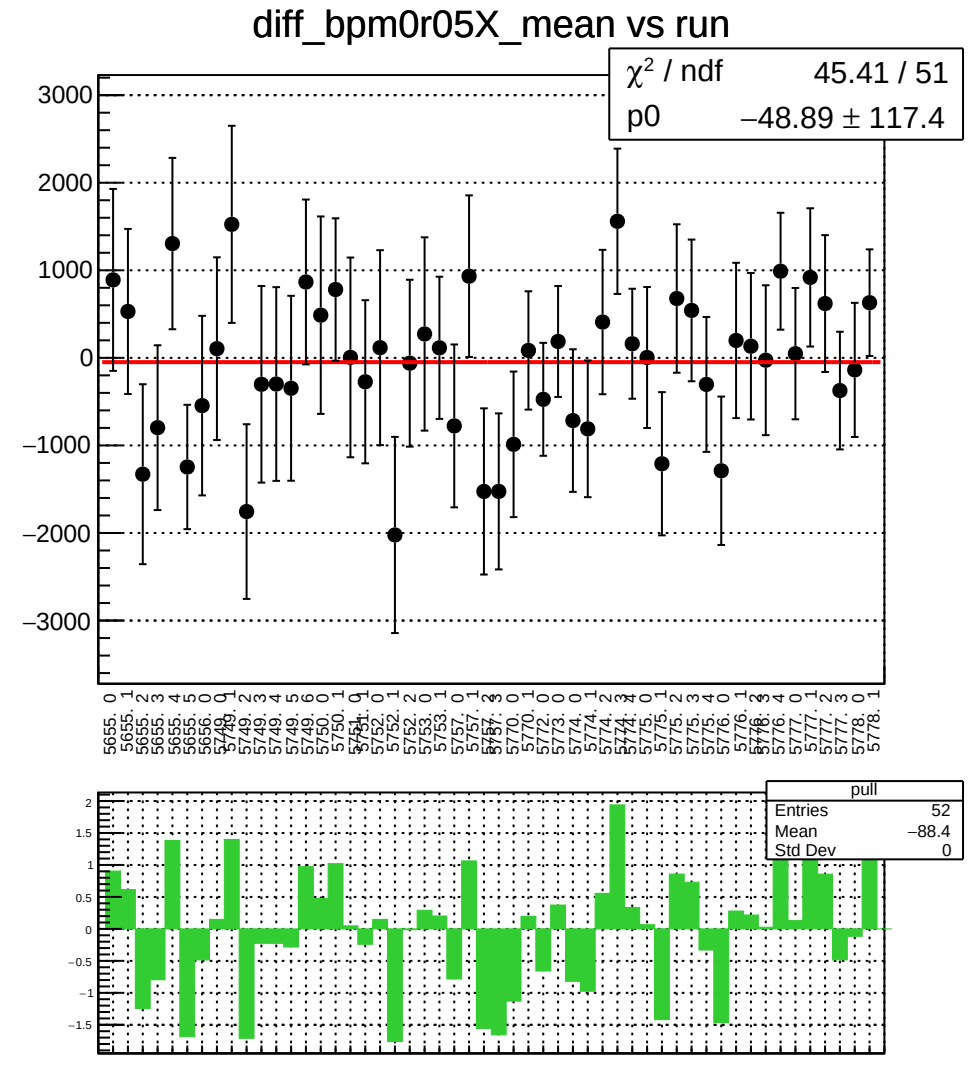

pull1D
Entries 52
Mean 0.01467
Std Dev 0.962
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

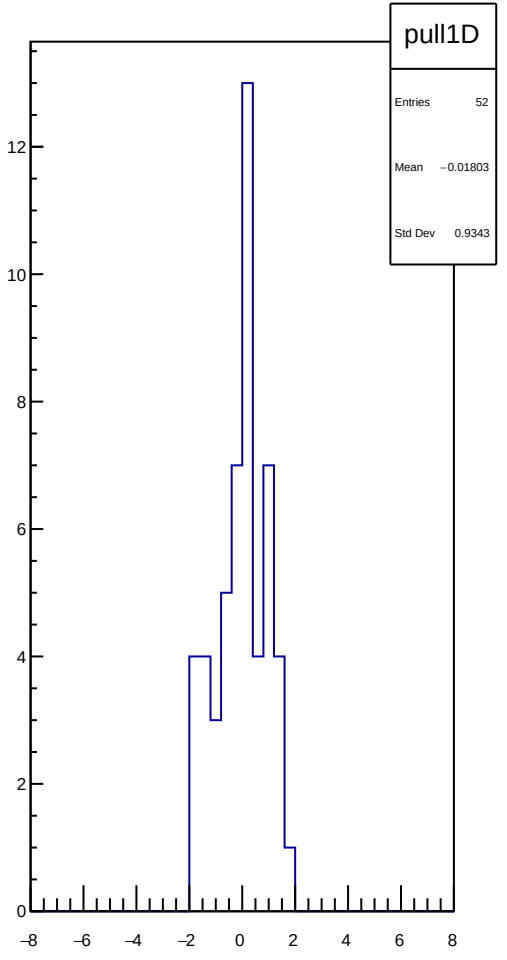

diff_bpm0r03X_rms vs run
χ² / ndf 1.726e+04 / 51
p0 7.331e+04 ± 70.57
95000
90000
85000
80000
75000
70000
65000
60000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

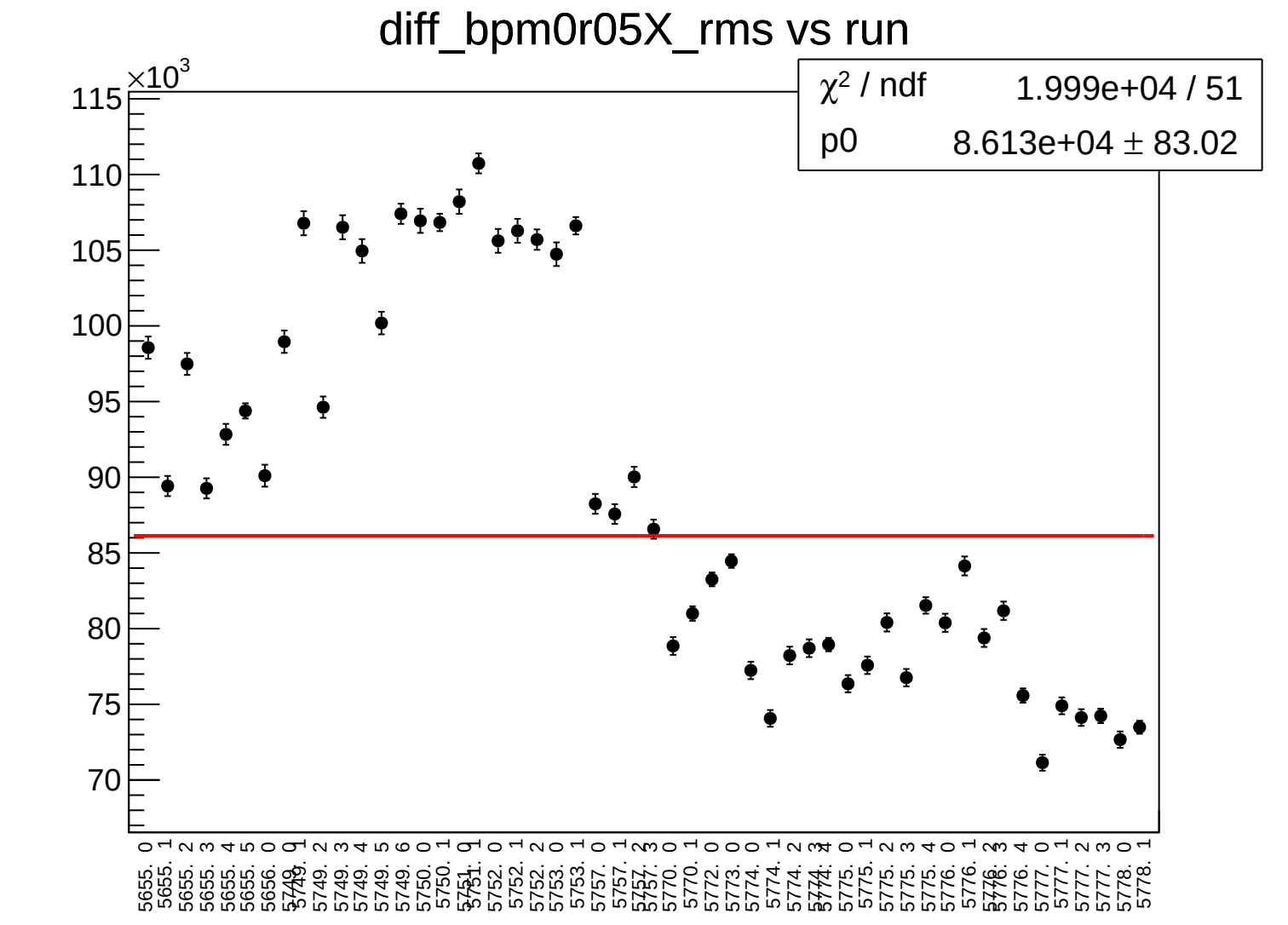

diff_bpm0r03Y_mean vs run
χ² / ndf 61.73 / 51
p0 −14.93 ± 4.067
pull
Entries 52
Mean 141.7
Std Dev 0

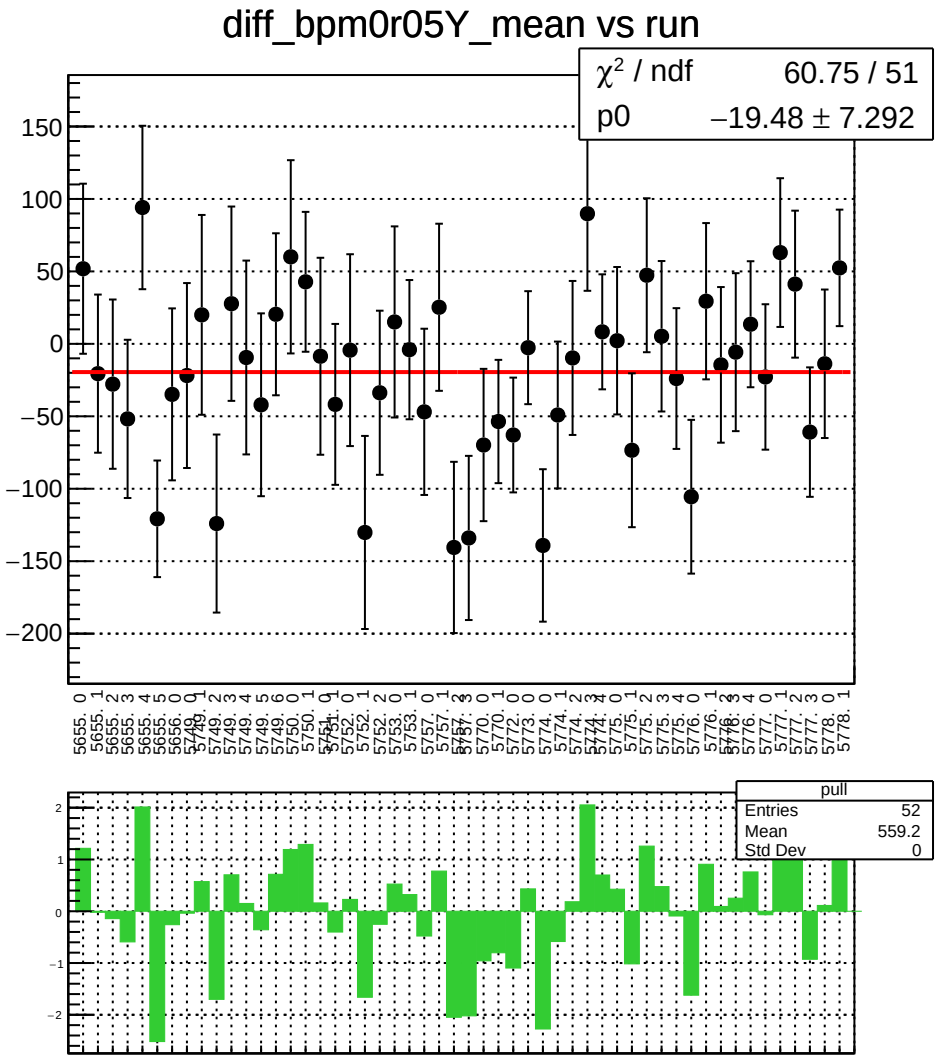

pull1D
Entries 52
Mean 0.009036
Std Dev 1.09

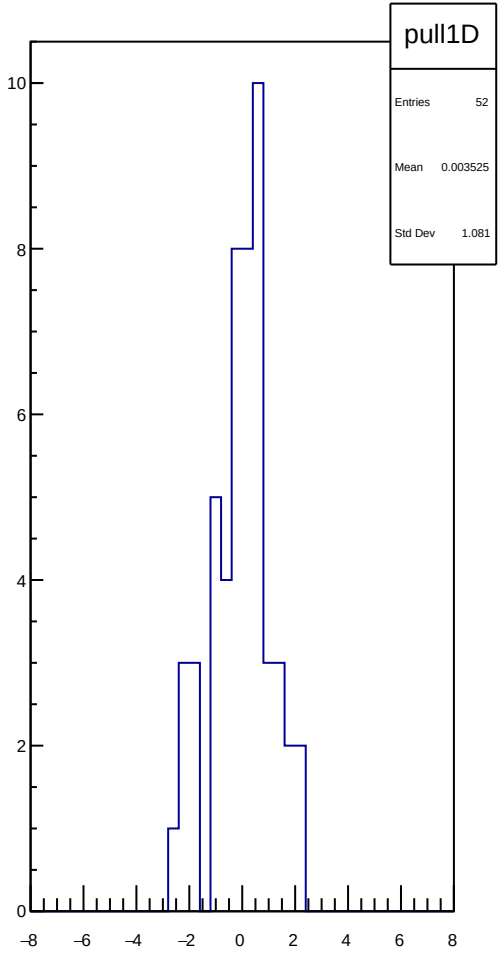

diff_bpm0r03Y_rms vs run
χ² / ndf 1635 / 51
p0 3009 ± 2.876
3300
3200
3100
3000
2900
2800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

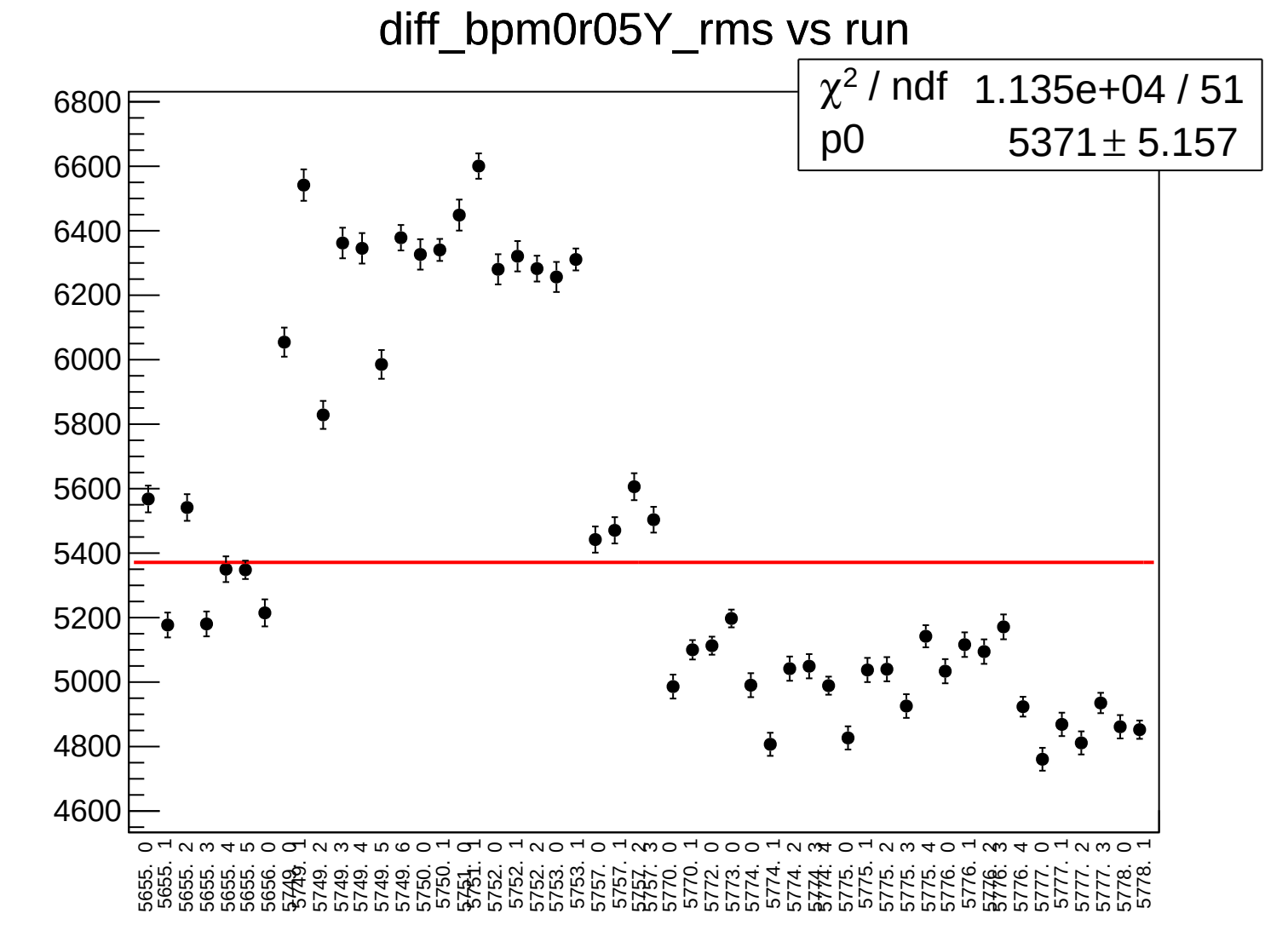

diff_bpm0r05X_mean vs run
χ² / ndf 45.41 / 51
p0 −48.89 ± 117.4
pull
Entries 52
Mean −88.4
Std Dev 0

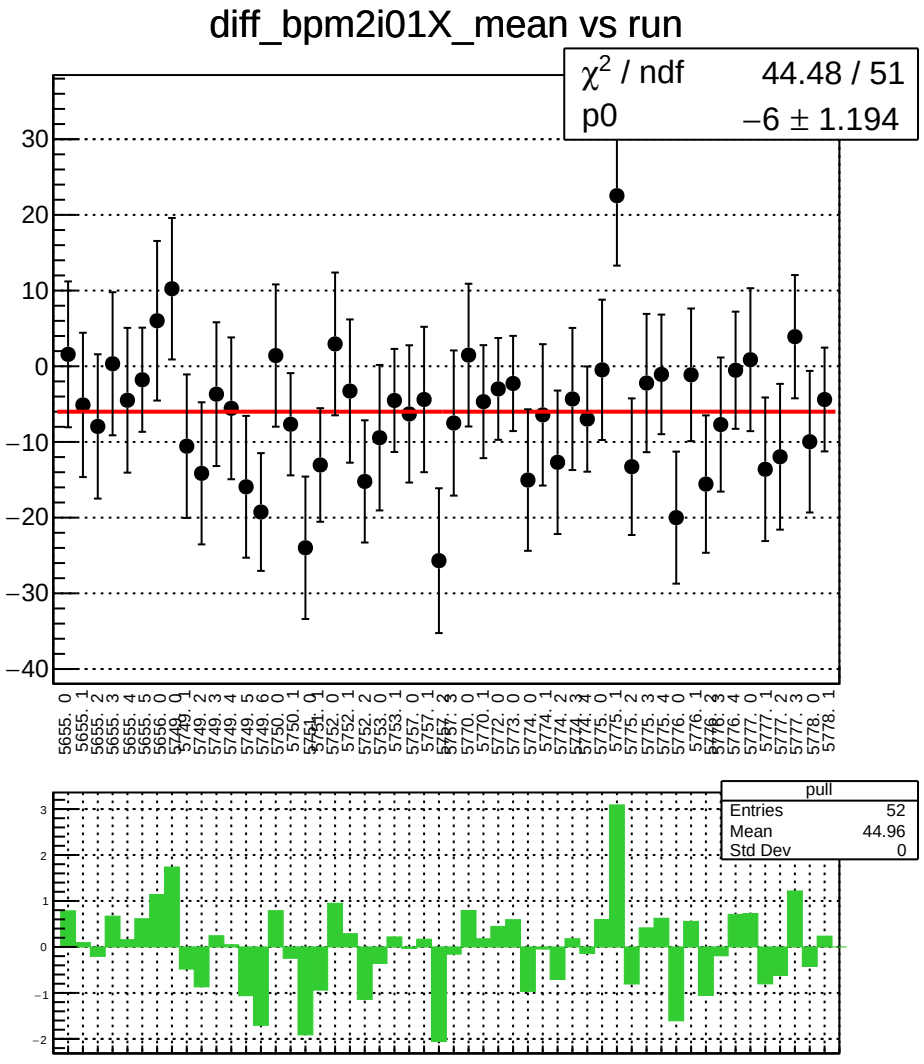

pull1D
Entries 52
Mean −0.01803
Std Dev 0.9343

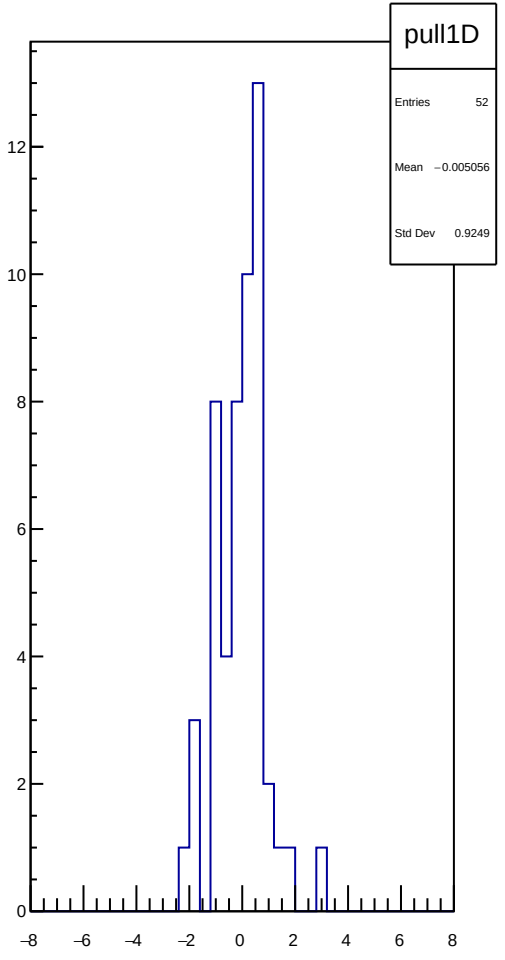

diff_bpm0r05X_rms vs run
×10^3
115
110
105
100
95
90
85
80
75
70
χ² / ndf 1.999e+04 / 51
p0 8.613e+04 ± 83.02
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

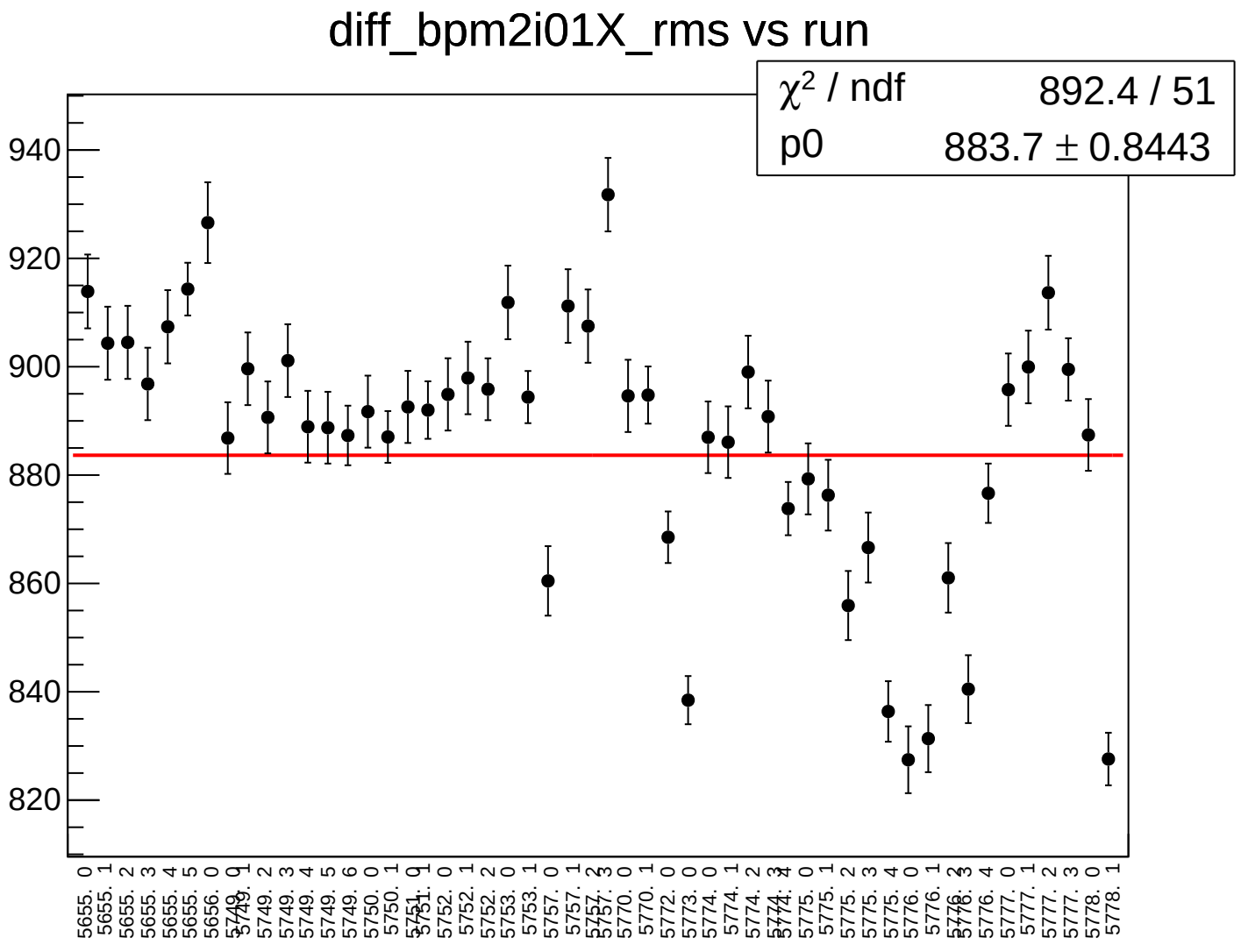

diff_bpm0r05Y_mean vs run
χ² / ndf 60.75 / 51
p0 −19.48 ± 7.292
pull
Entries 52
Mean 559.2
Std Dev 0

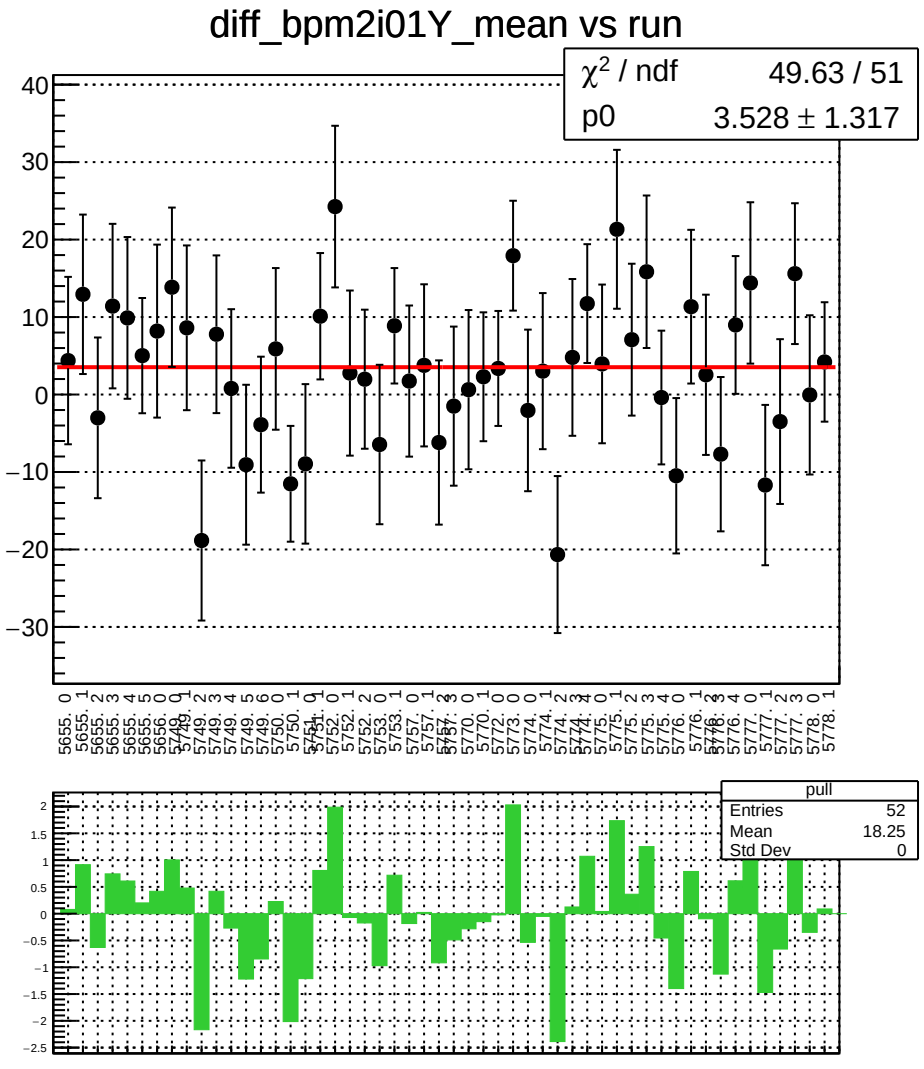

pull1D
Entries 52
Mean 0.003525
Std Dev 1.081

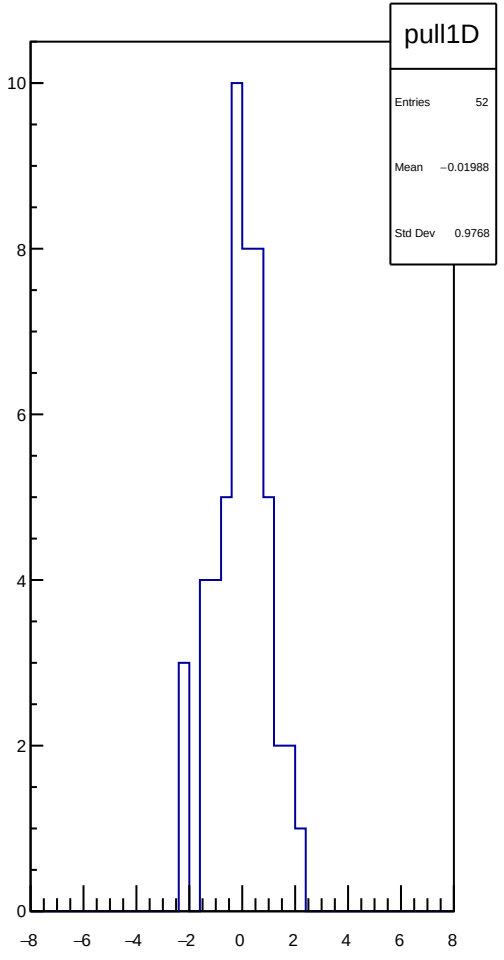

diff_bpm0r05Y_rms vs run
χ² / ndf 1.135e+04 / 51
p0 5371 ± 5.157
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

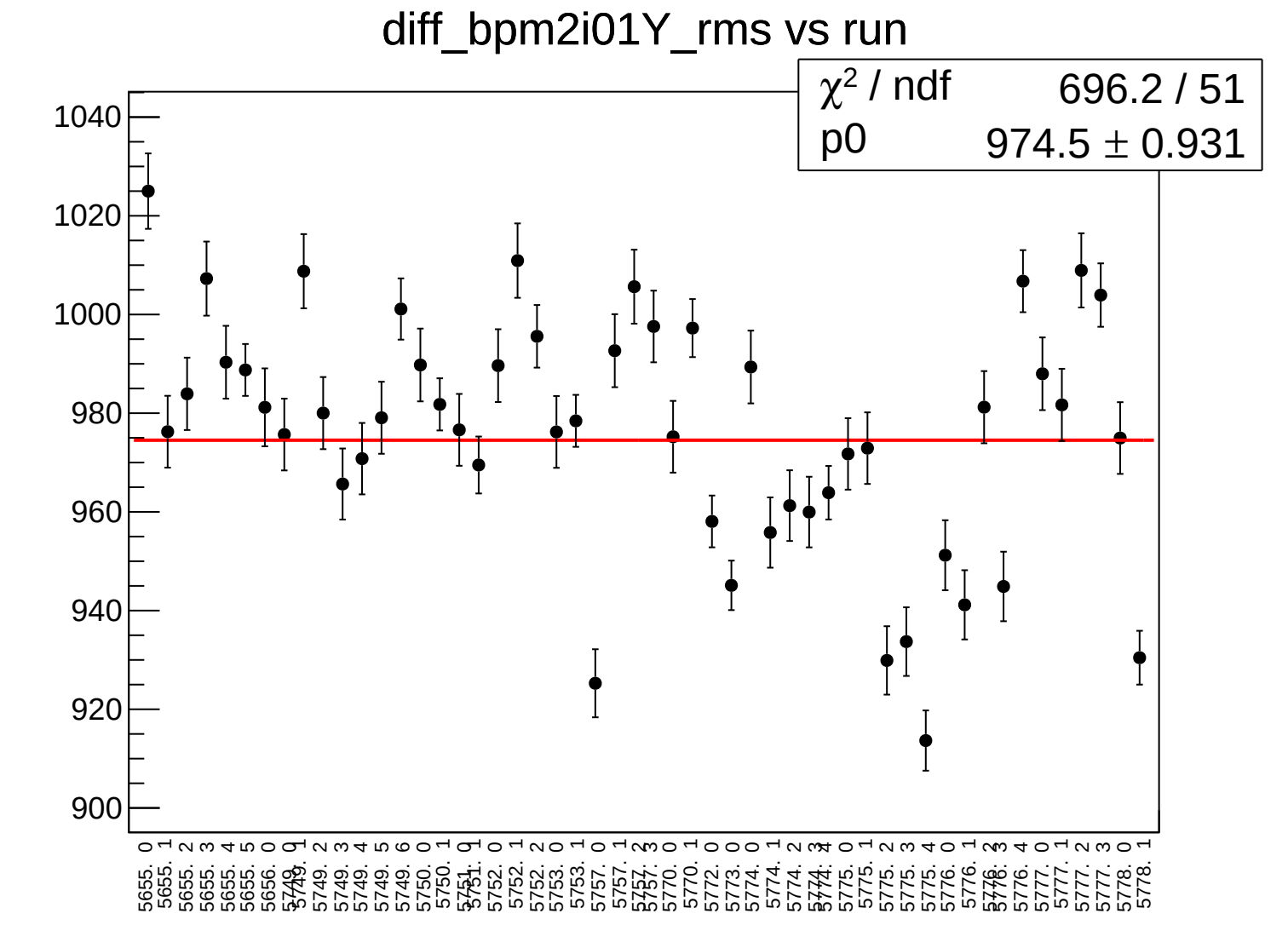

diff_bpm2i01X_mean vs run
χ² / ndf 44.48 / 51
p0 −6 ± 1.194
pull
Entries 52
Mean 44.96
Std Dev 0


pull1D
Entries 52
Mean −0.005056
Std Dev 0.9249


diff_bpm2i01X_rms vs run
χ² / ndf 892.4 / 51
p0 883.7 ± 0.8443
940
920
900
880
860
840
820
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


diff_bpm2i01Y_mean vs run
χ² / ndf 49.63 / 51
p0 3.528 ± 1.317
pull
Entries 52
Mean 18.25
Std Dev 0


pull1D
Entries 52
Mean −0.01988
Std Dev 0.9768


diff_bpm2i01Y_rms vs run
χ² / ndf 696.2 / 51
p0 974.5 ± 0.931
1040
1020
1000
980
960
940
920
900
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
5777. 0
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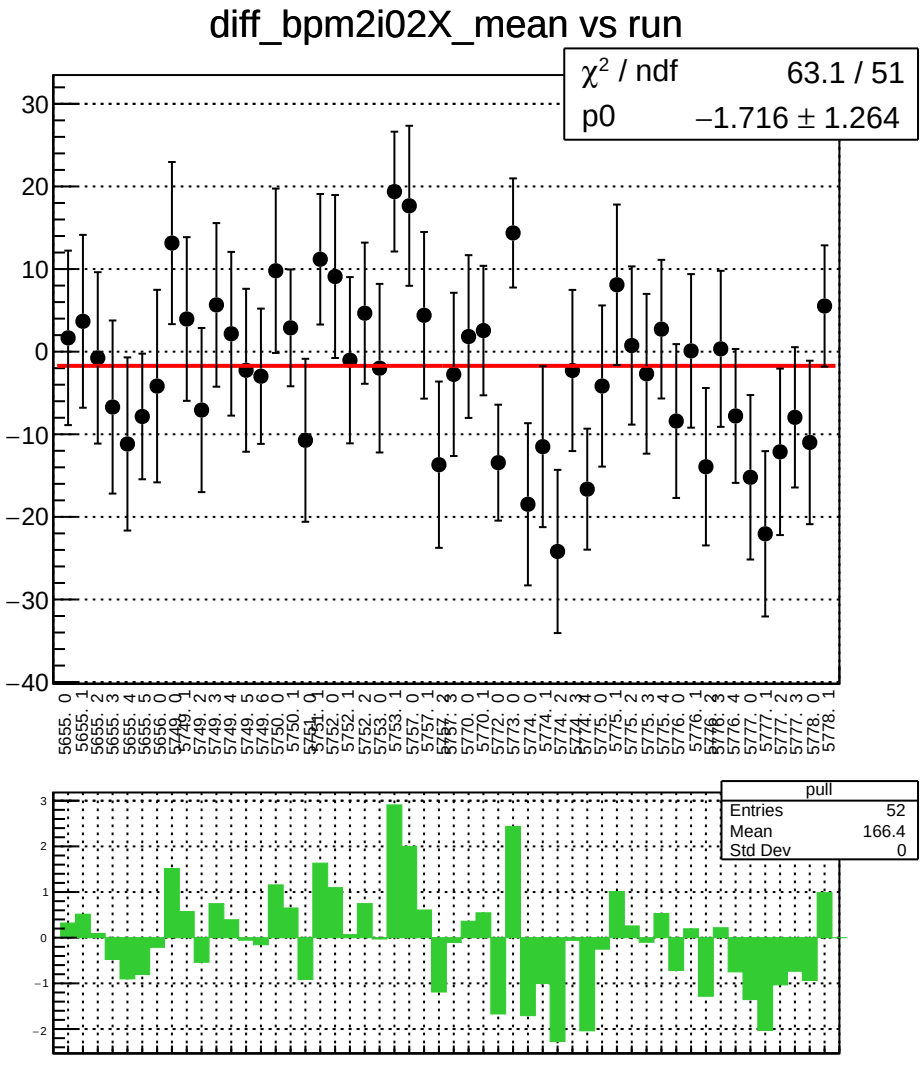
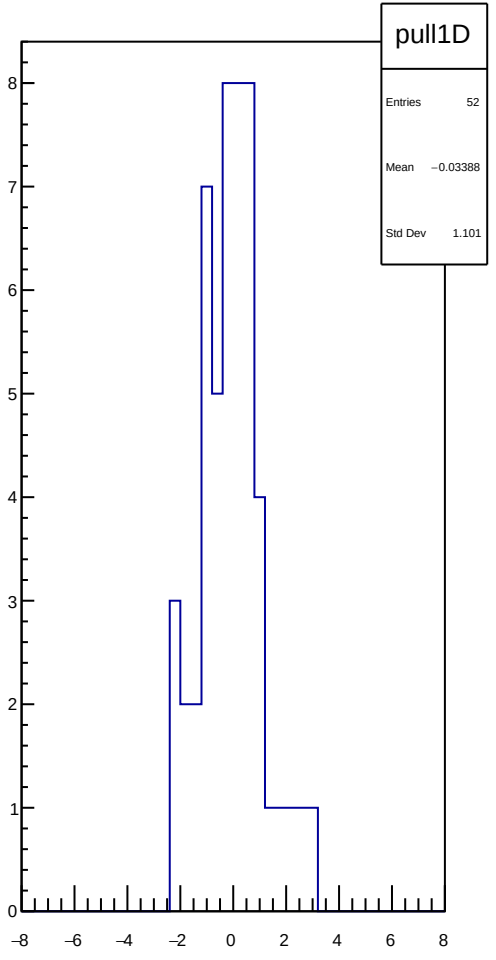
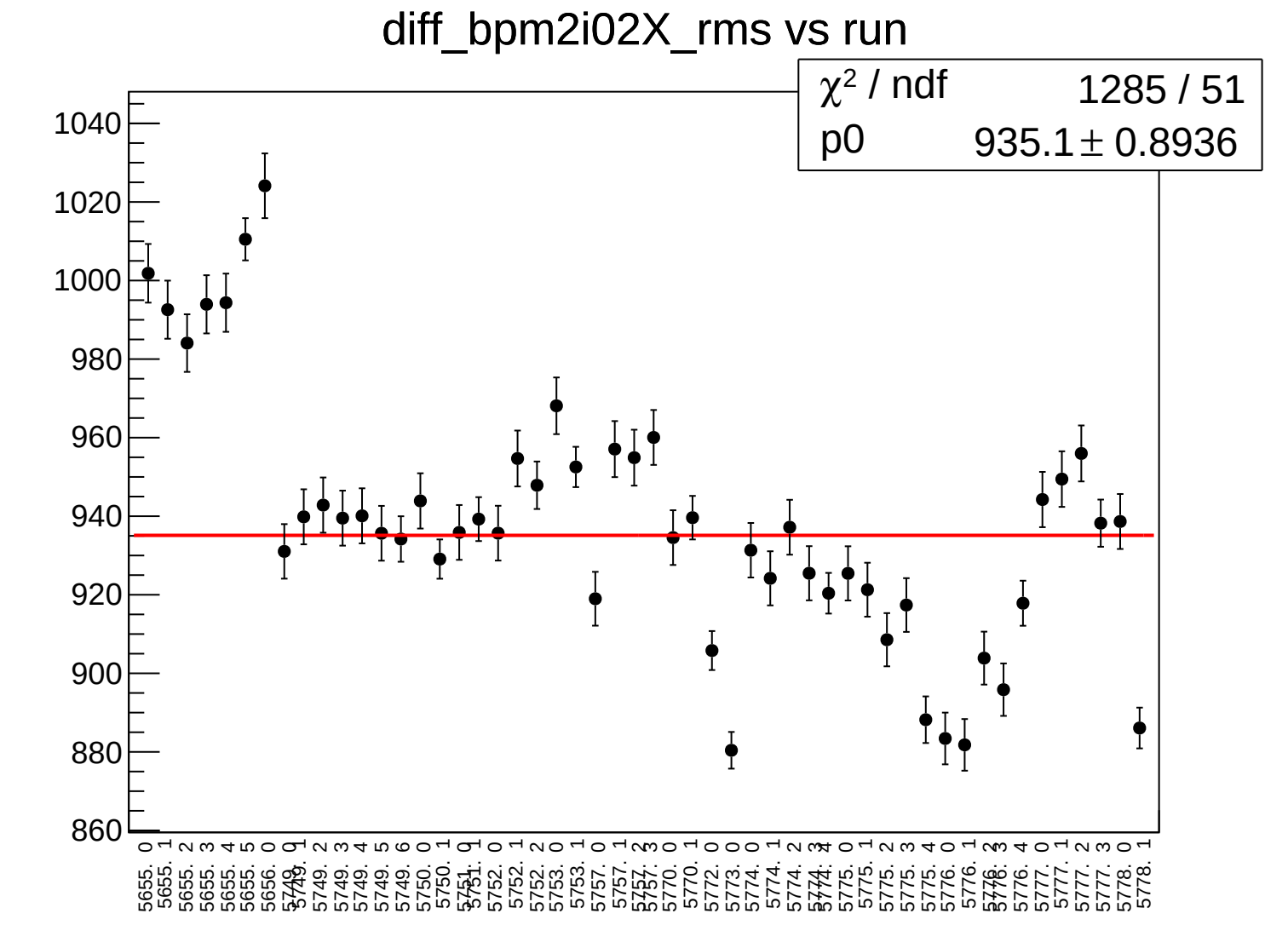
5777. 2
5777. 3
5778. 0
5778. 1


diff_bpm2i02X_mean vs run
χ² / ndf 63.1 / 51
p0 −1.716 ± 1.264
pull
Entries 52
Mean 166.4
Std Dev 0


pull1D
Entries 52
Mean −0.03388
Std Dev 1.101


diff_bpm2i02X_rms vs run
χ² / ndf 1285 / 51
p0 935.1 ± 0.8936
1040
1020
1000
980
960
940
920
900
880
860
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5750. 1
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5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
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5757. 1
5757. 2
5757. 3
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5774. 2
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5774. 4
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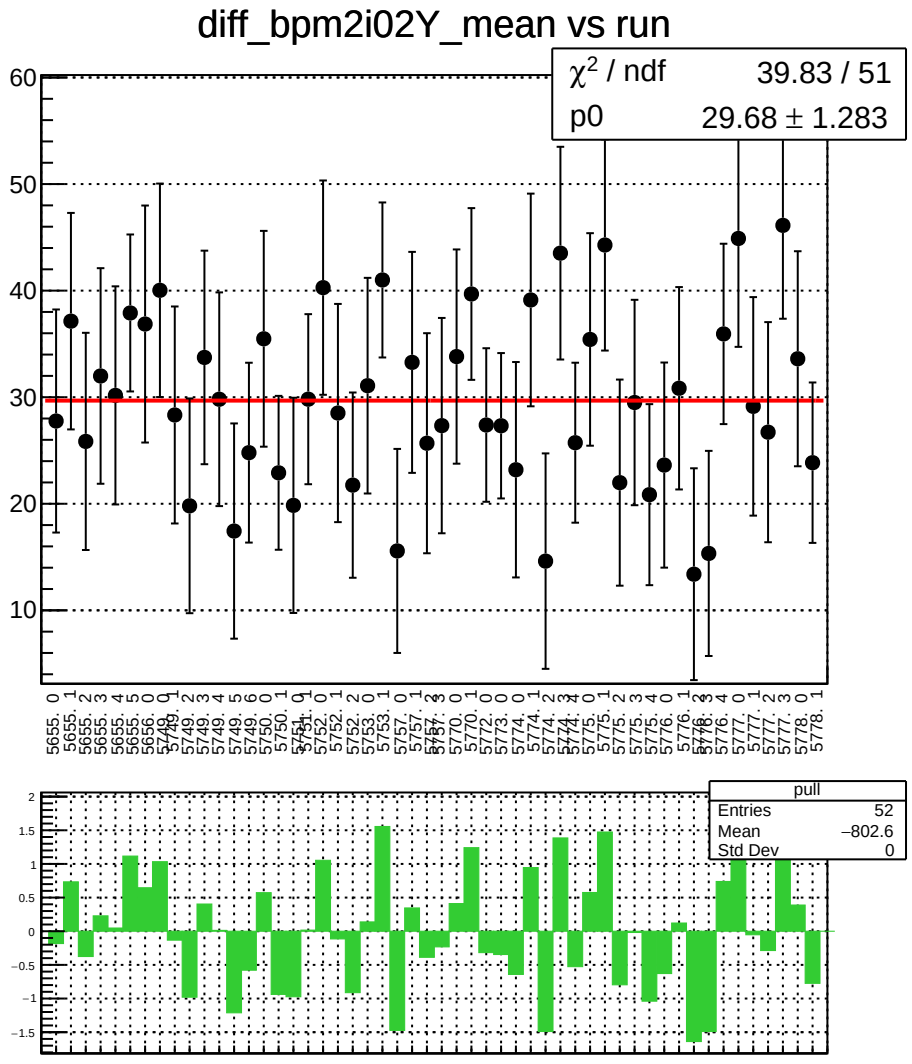
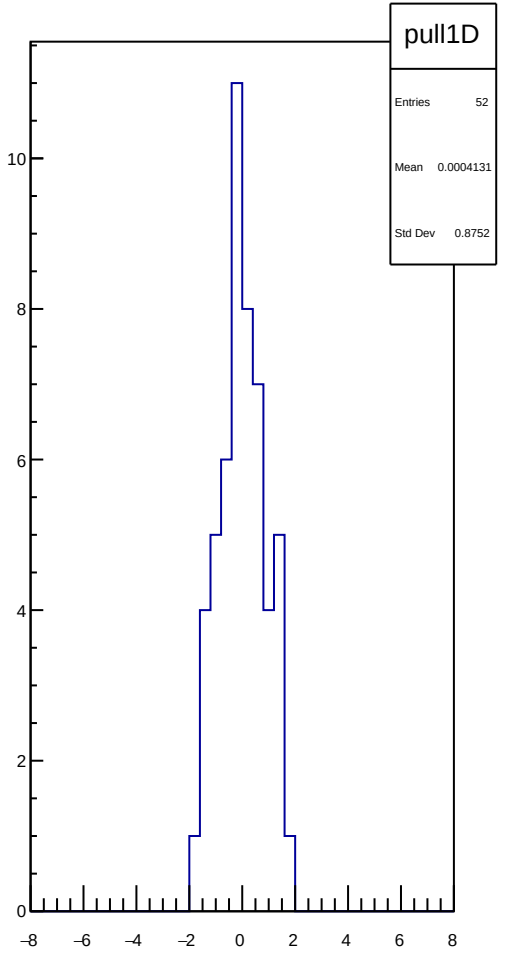
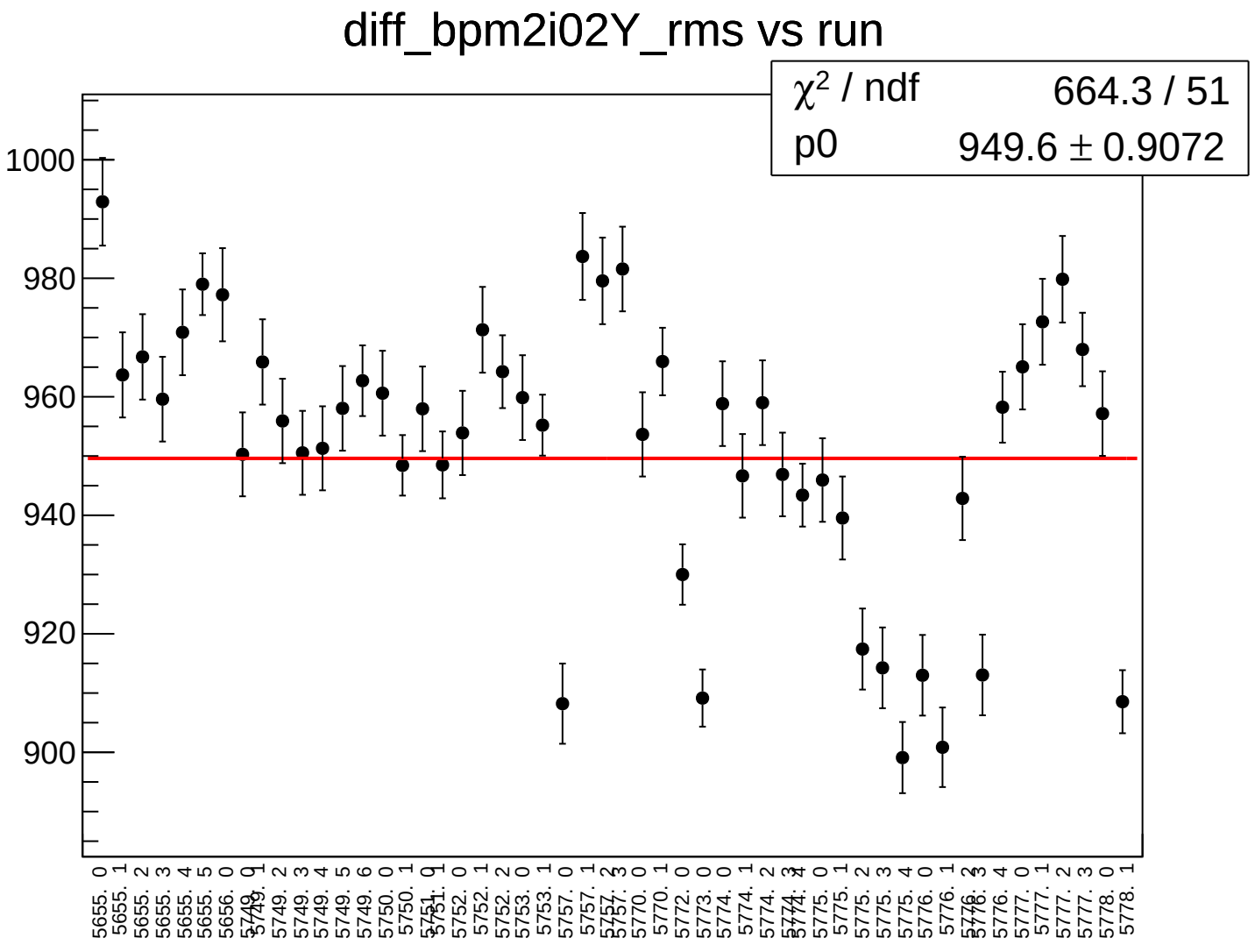
5777. 2
5777. 3
5778. 0
5778. 1


diff_bpm2i02Y_mean vs run
χ^2 / ndf 39.83 / 51
p0 29.68 ± 1.283
pull
Entries 52
Mean −802.6
Std Dev 0


pull1D
Entries 52
Mean 0.0004131
Std Dev 0.8752


diff_bpm2i02Y_rms vs run
χ² / ndf 664.3 / 51
p0 949.6 ± 0.9072
1000
980
960
940
920
900
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
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5757. 1
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5774. 1
5774. 2
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5774. 4
5775. 0
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5775. 2
5775. 3
5775. 4
5776. 0
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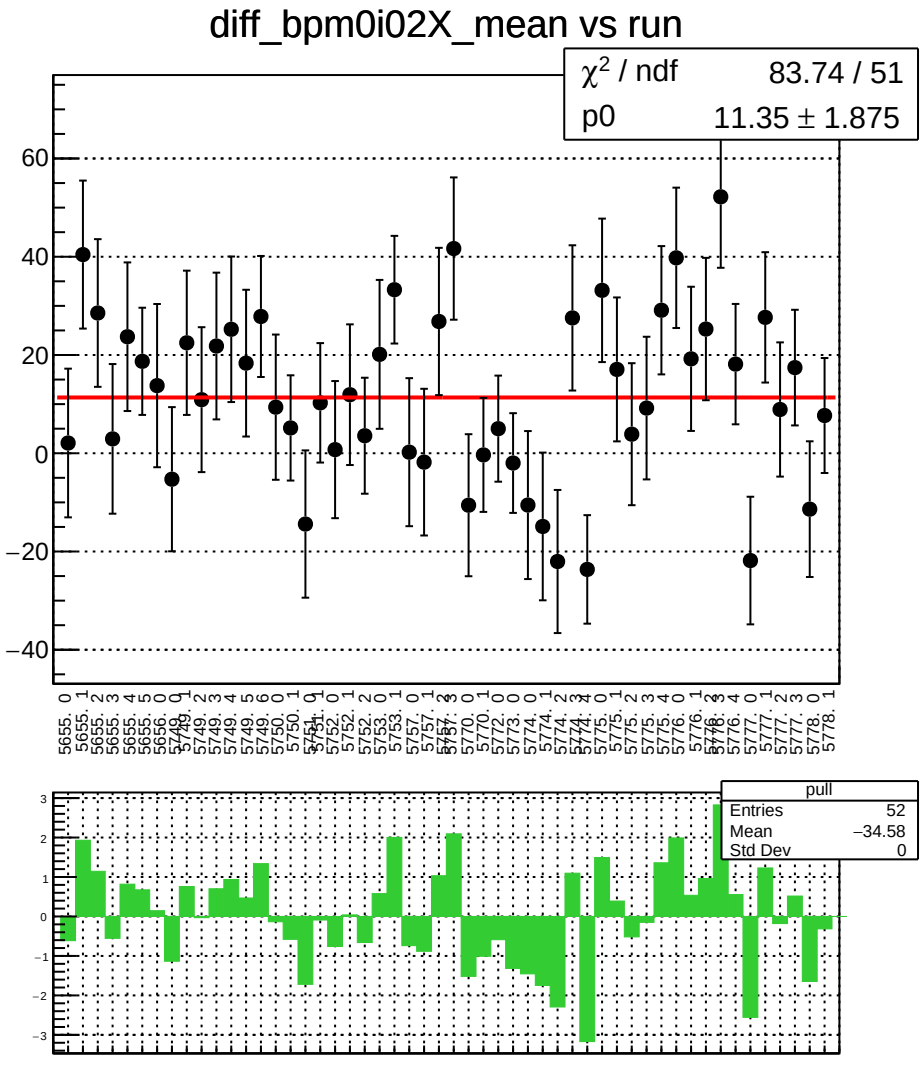
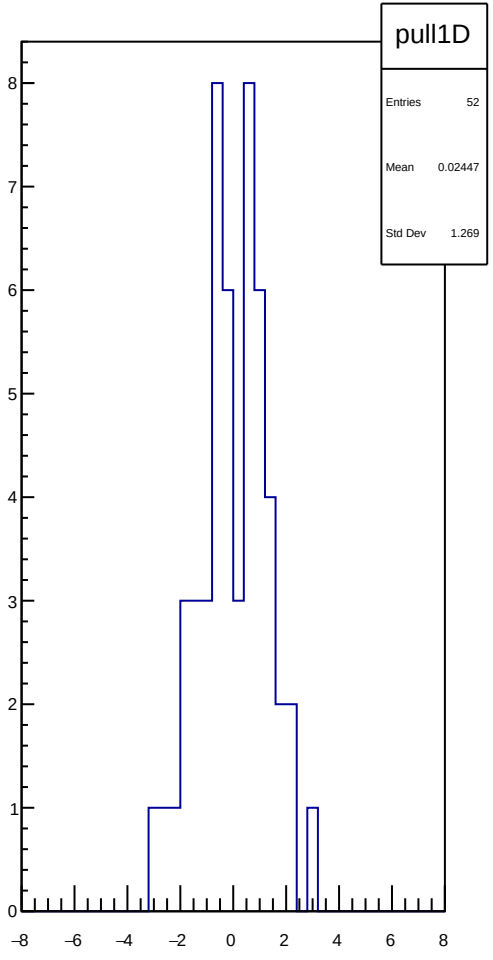
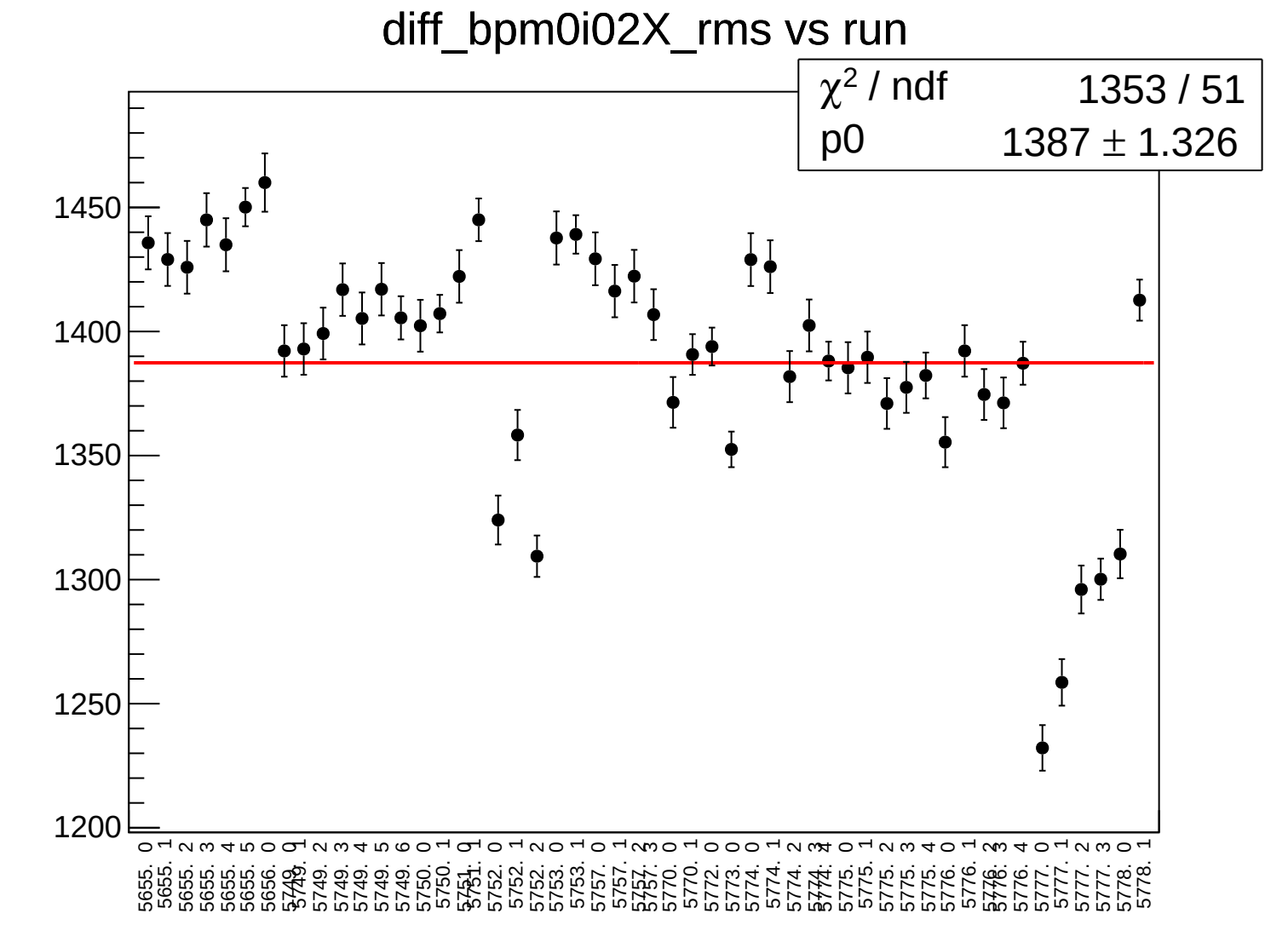
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


diff_bpm0i02X_mean vs run
χ^2 / ndf 83.74 / 51
p0 11.35 ± 1.875
pull
Entries 52
Mean −34.58
Std Dev 0


pull1D
Entries 52
Mean 0.02447
Std Dev 1.269


diff_bpm0i02X_rms vs run
χ² / ndf 1353 / 51
p0 1387 ± 1.326
1450
1400
1350
1300
1250
1200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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5752. 2
5753. 0
5753. 1
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5774. 0
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5775. 3
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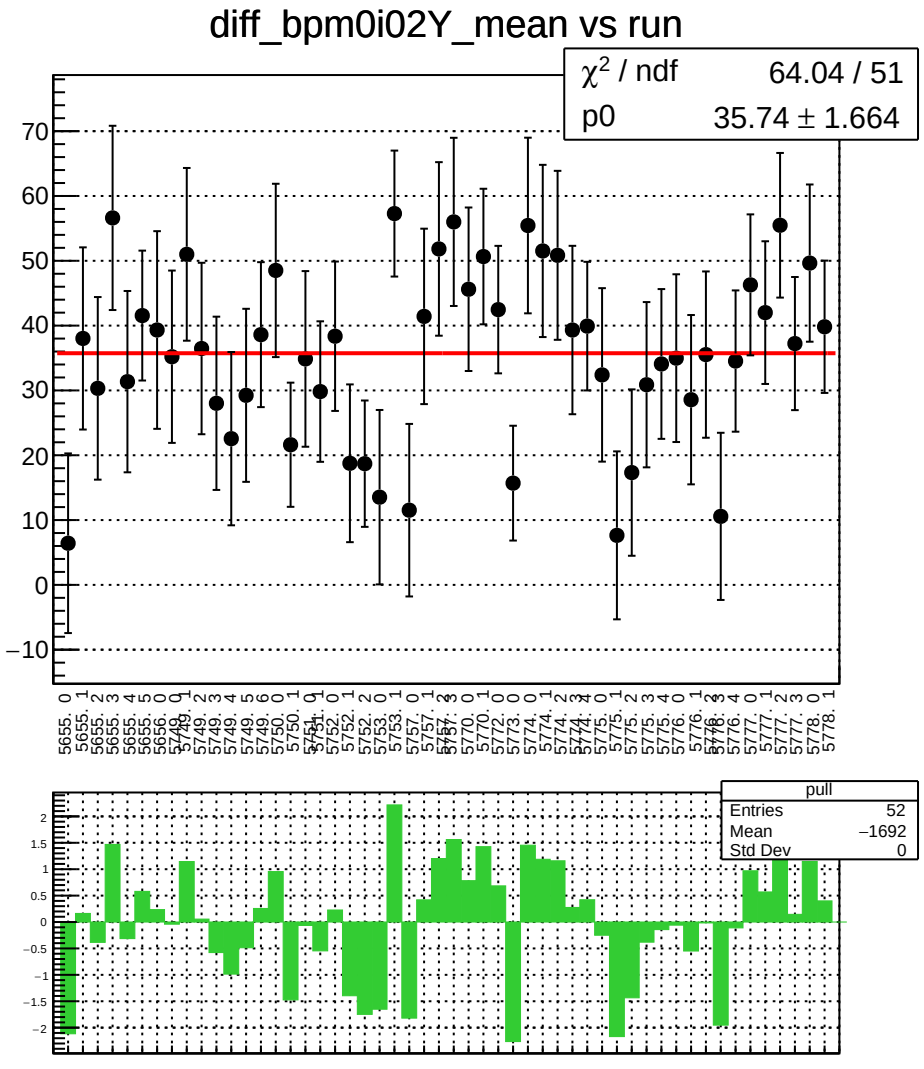
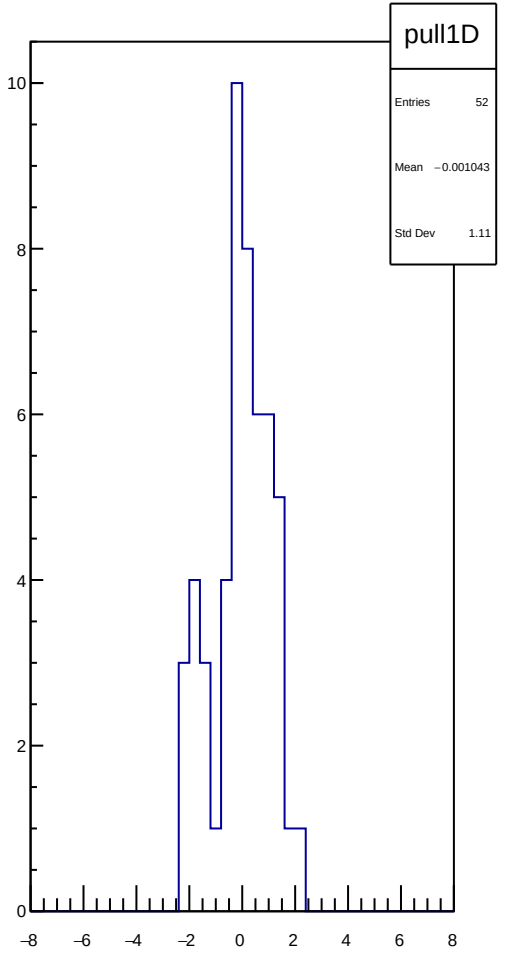
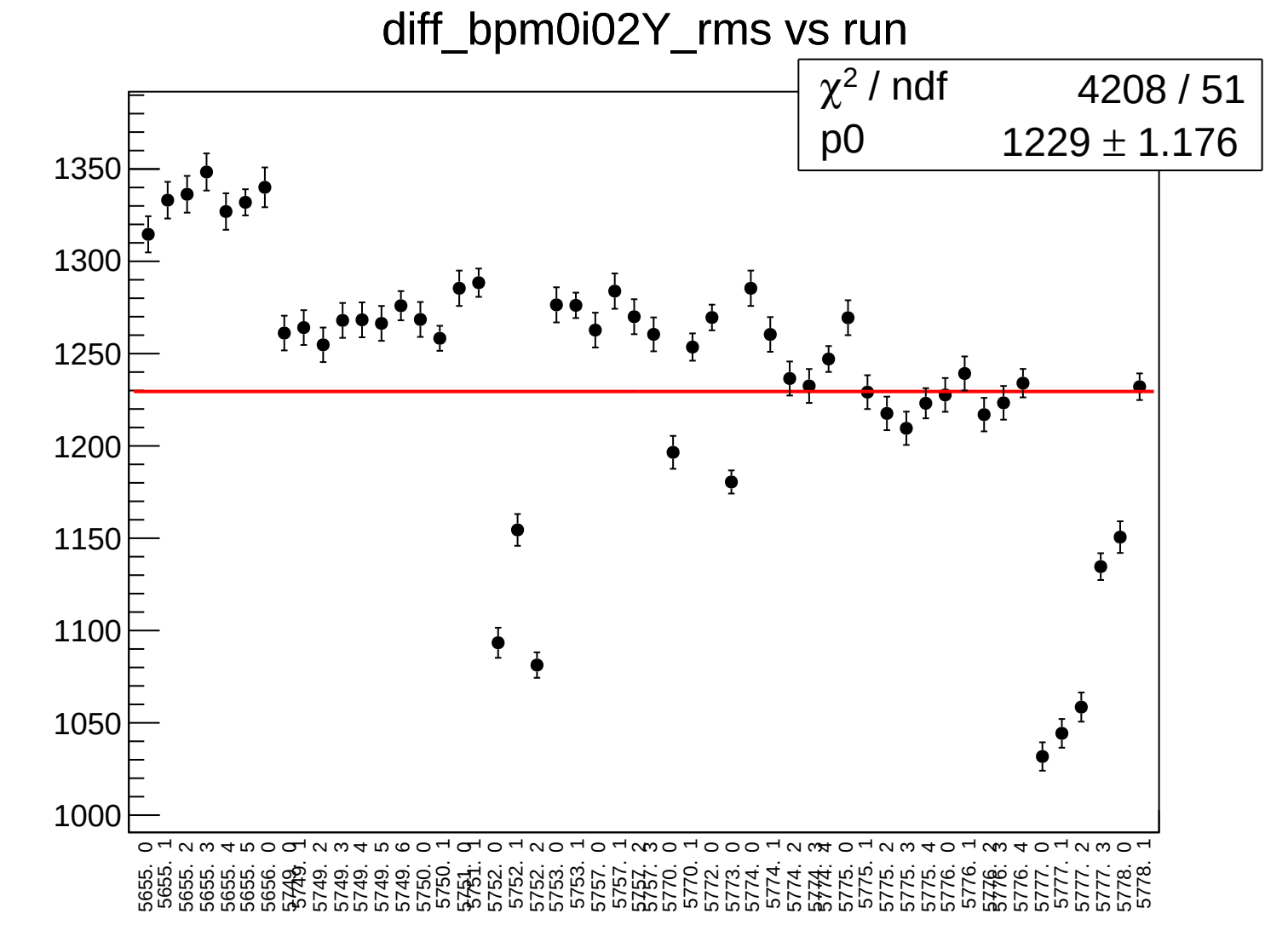
5777. 2
5777. 3
5778. 0
5778. 1


diff_bpm0i02Y_mean vs run
χ^2 / ndf 64.04 / 51
p0 35.74 ± 1.664
pull
Entries 52
Mean −1692
Std Dev 0


pull1D
Entries 52
Mean −0.001043
Std Dev 1.11


diff_bpm0i02Y_rms vs run
χ² / ndf 4208 / 51
p0 1229 ± 1.176
1350
1300
1250
1200
1150
1100
1050
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5749. 6
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5752. 2
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5774. 1
5774. 2
5774. 3
5774. 4
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5775. 3
5775. 4
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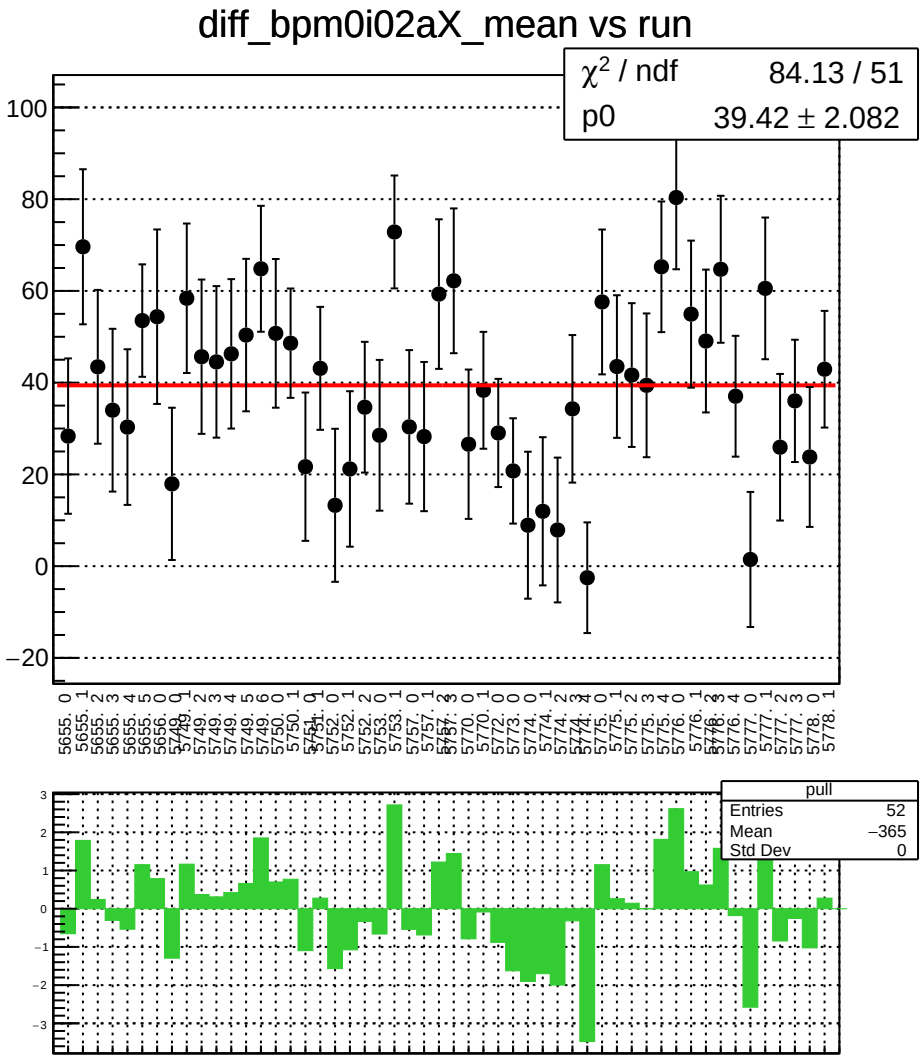
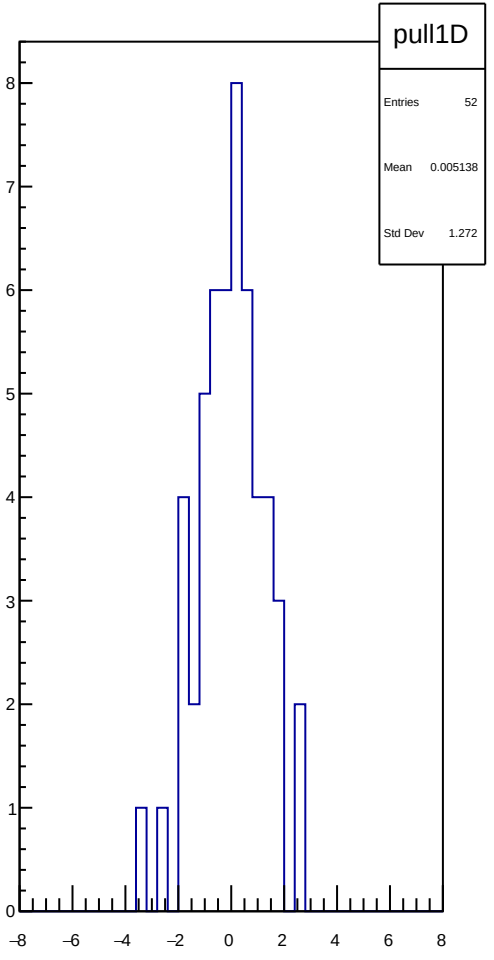
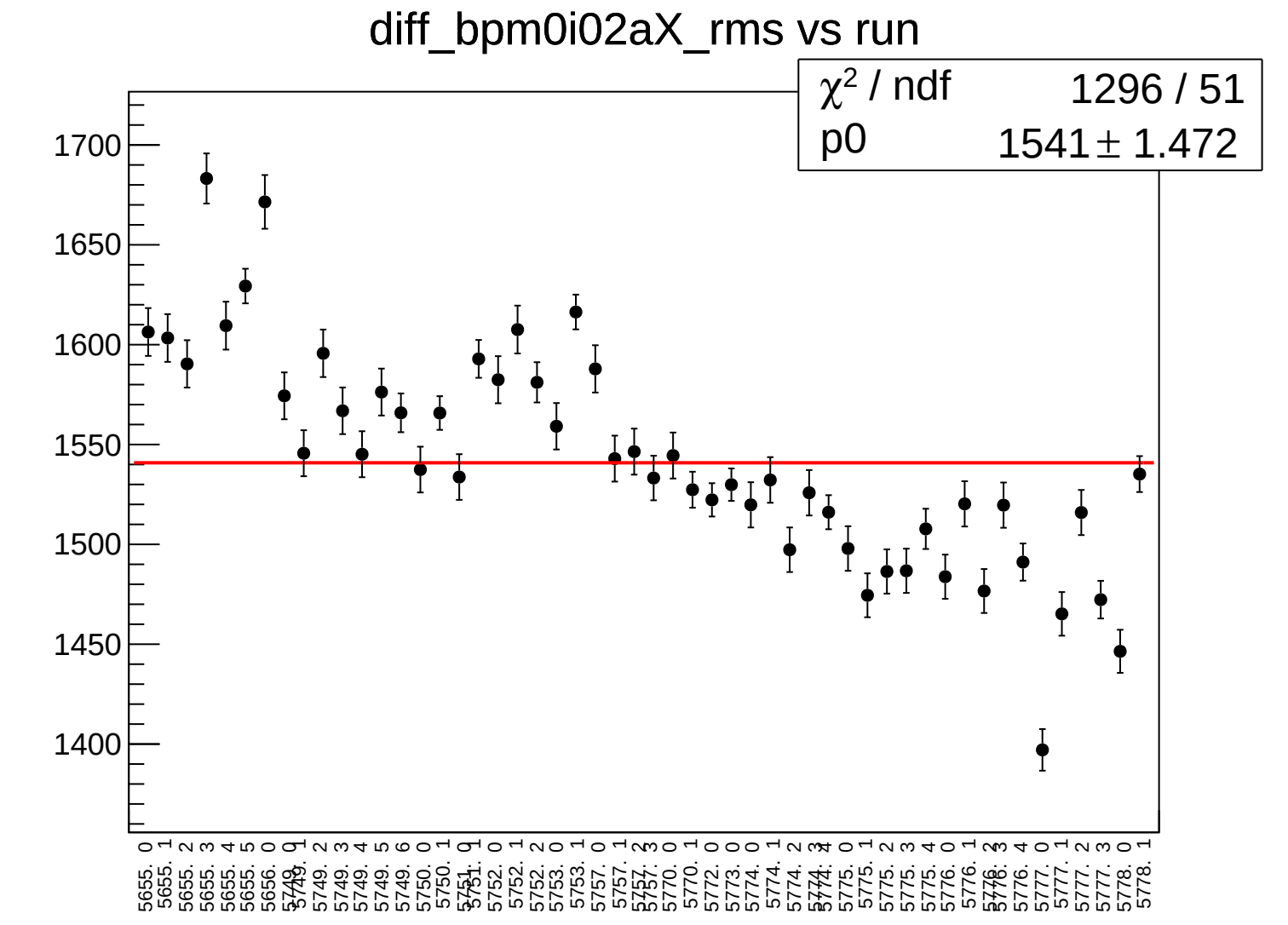
5778. 1


diff_bpm0i02aX_mean vs run
χ² / ndf 84.13 / 51
p0 39.42 ± 2.082
pull
Entries 52
Mean −365
Std Dev 0


pull1D
Entries 52
Mean 0.005138
Std Dev 1.272


diff_bpm0i02aX_rms vs run
χ² / ndf 1296 / 51
p0 1541 ± 1.472
1700
1650
1600
1550
1500
1450
1400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5752. 1
5752. 2
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5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
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5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
5777. 0
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5777. 2
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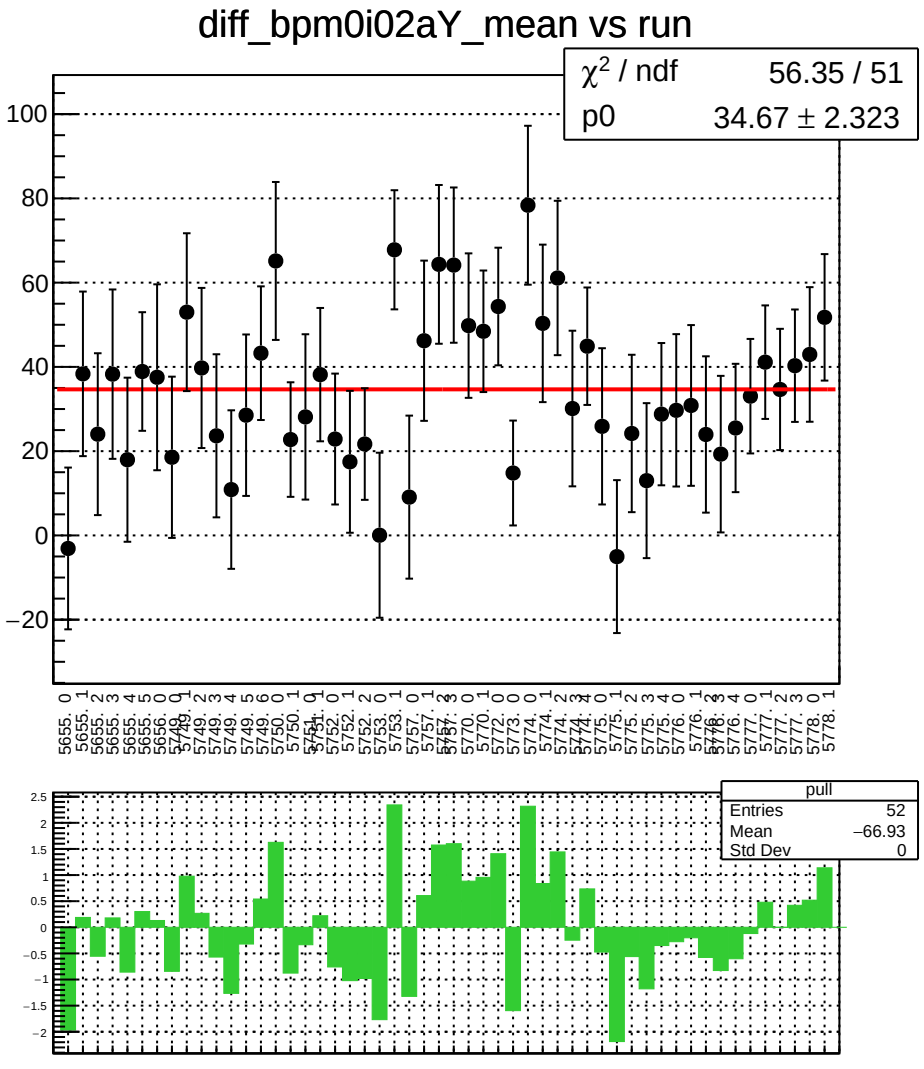
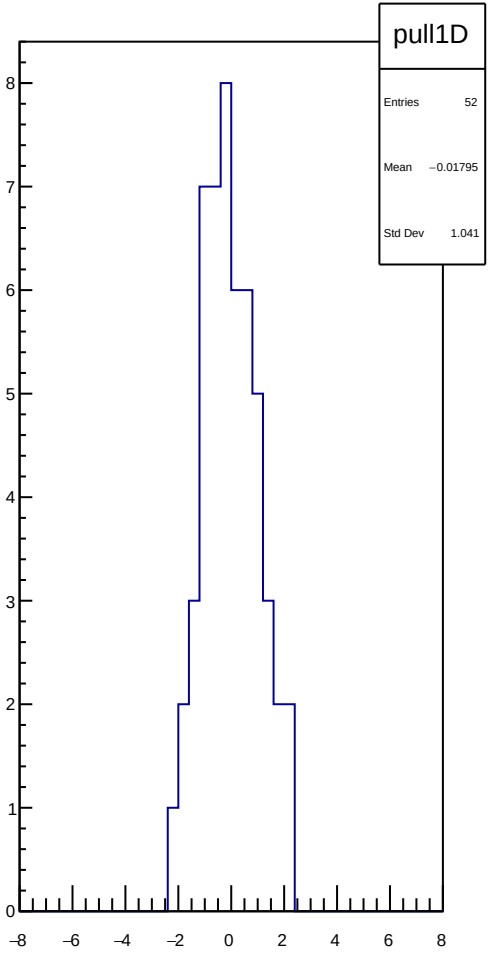
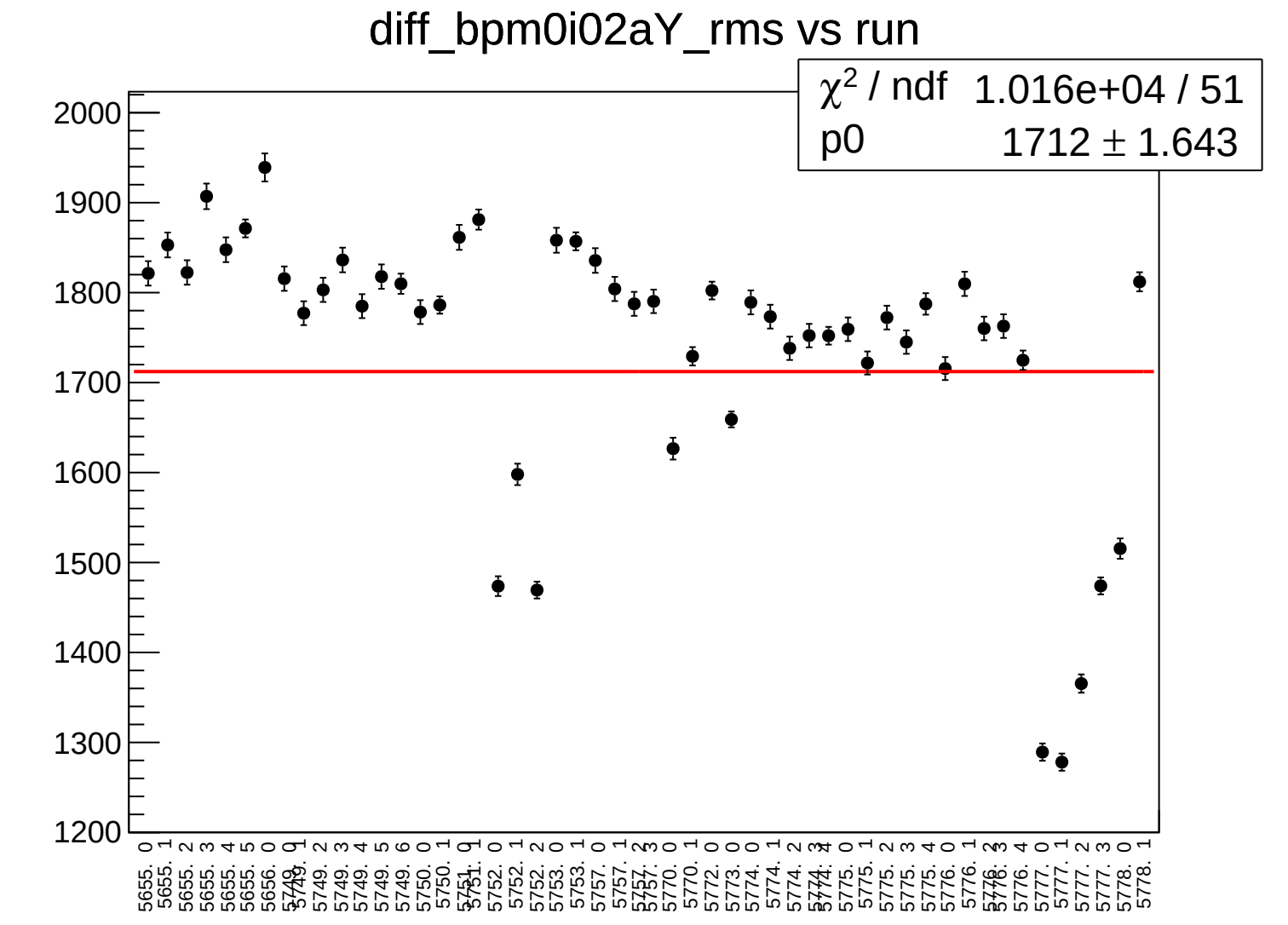
5778. 1


diff_bpm0i02aY_mean vs run
χ^2 / ndf 56.35 / 51
p0 34.67 ± 2.323
pull
Entries 52
Mean −66.93
Std Dev 0


pull1D
Entries 52
Mean −0.01795
Std Dev 1.041


diff_bpm0i02aY_rms vs run
χ² / ndf 1.016e+04 / 51
p0 1712 ± 1.643
2000
1900
1800
1700
1600
1500
1400
1300
1200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5750. 1
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5752. 0
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5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
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5775. 3
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5777. 2
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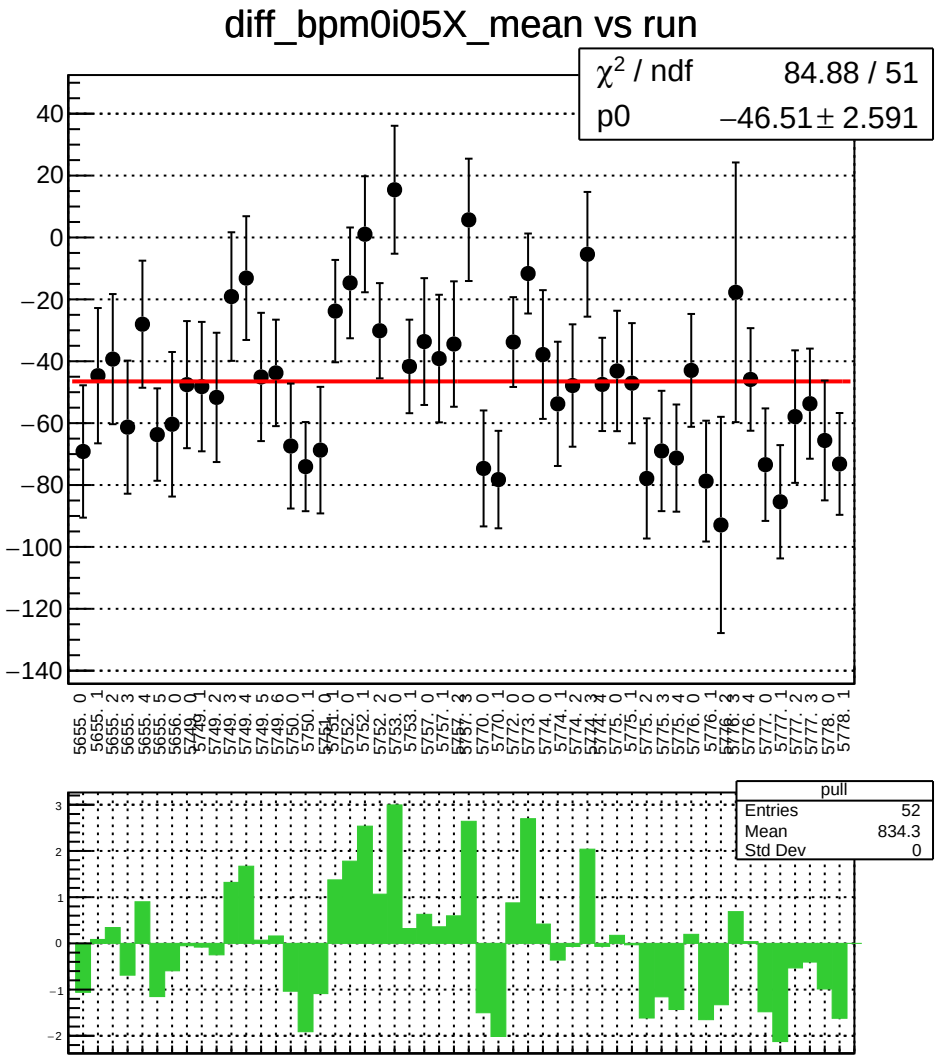
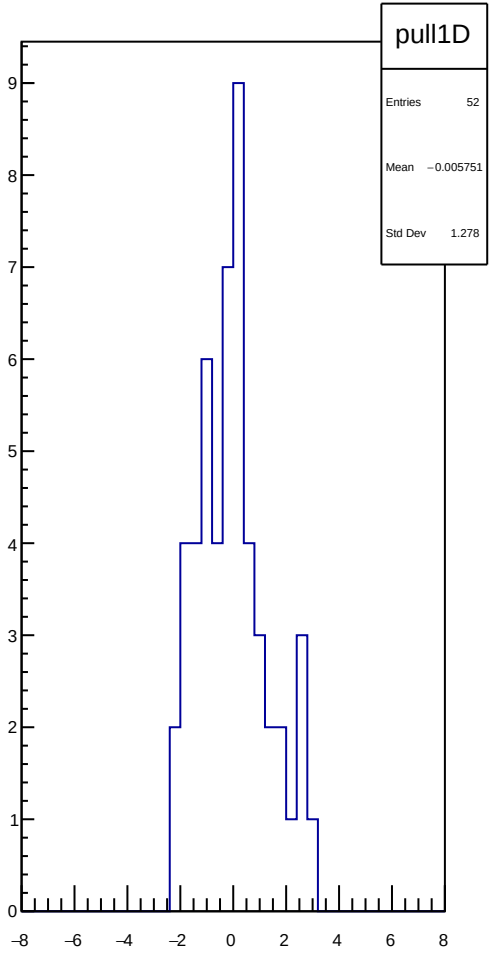
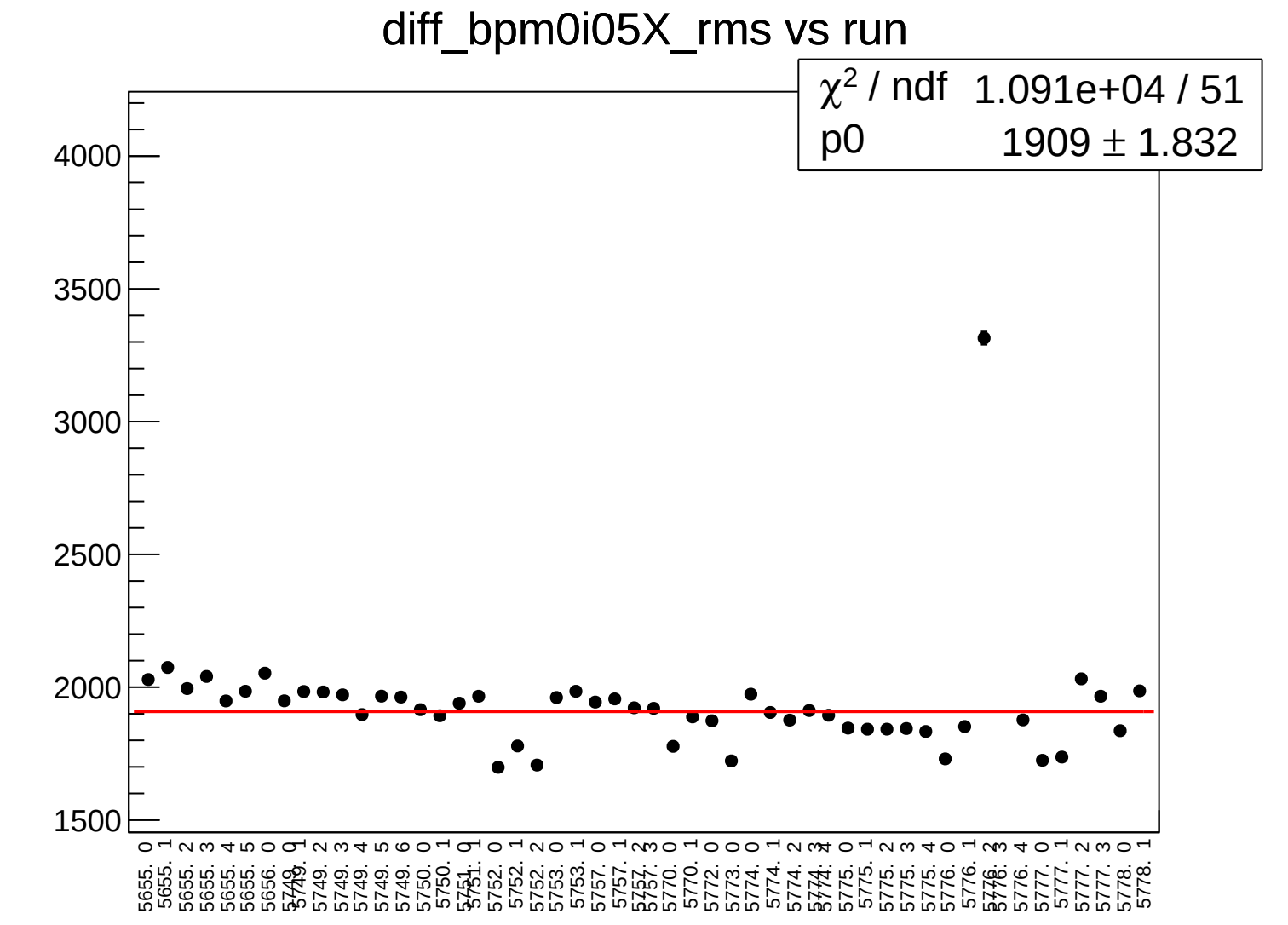
5778. 0
5778. 1


diff_bpm0i05X_mean vs run
χ² / ndf 84.88 / 51
p0 −46.51 ± 2.591
pull
Entries 52
Mean 834.3
Std Dev 0


pull1D
Entries 52
Mean −0.005751
Std Dev 1.278


diff_bpm0i05X_rms vs run
χ² / ndf 1.091e+04 / 51
p0 1909 ± 1.832
4000
3500
3000
2500
2000
1500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5749. 6
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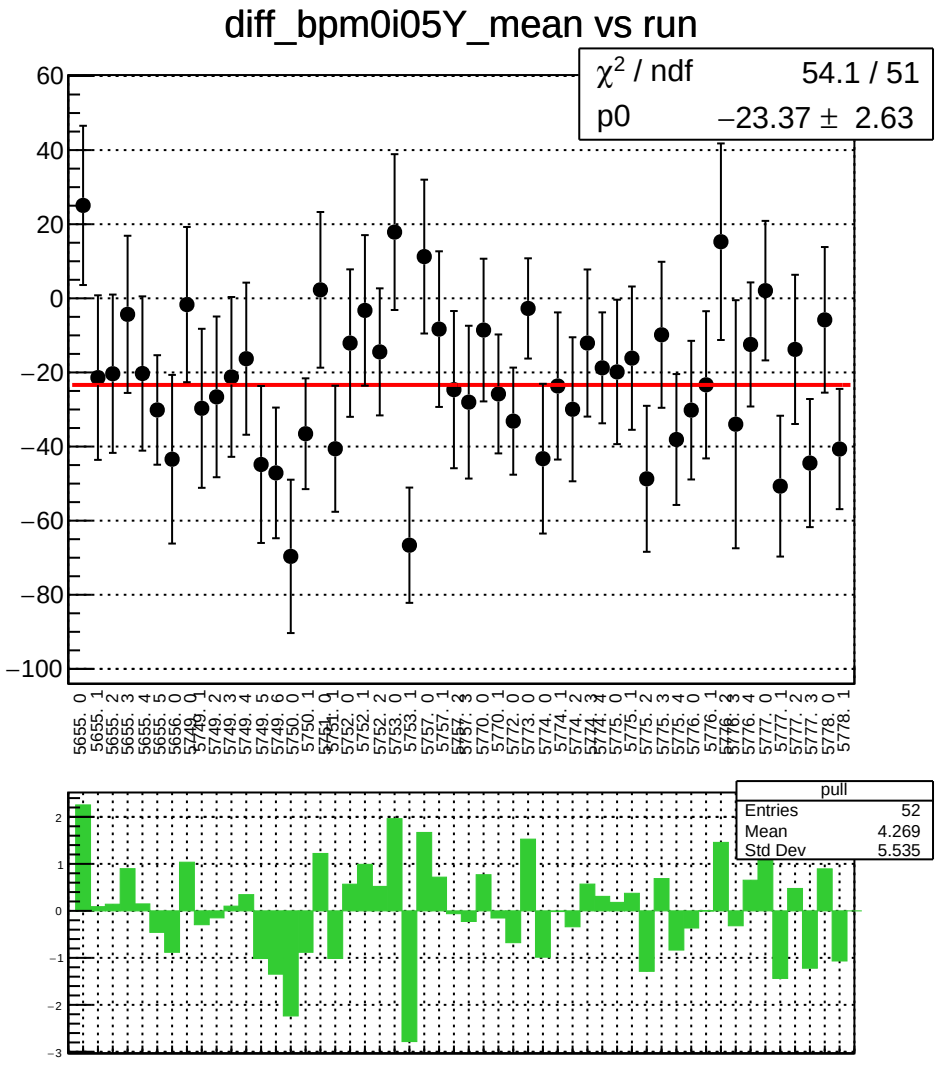
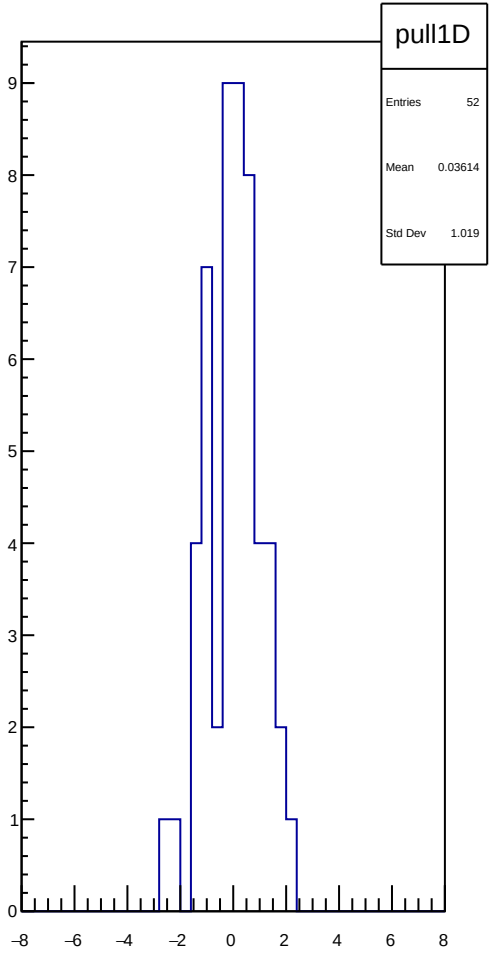
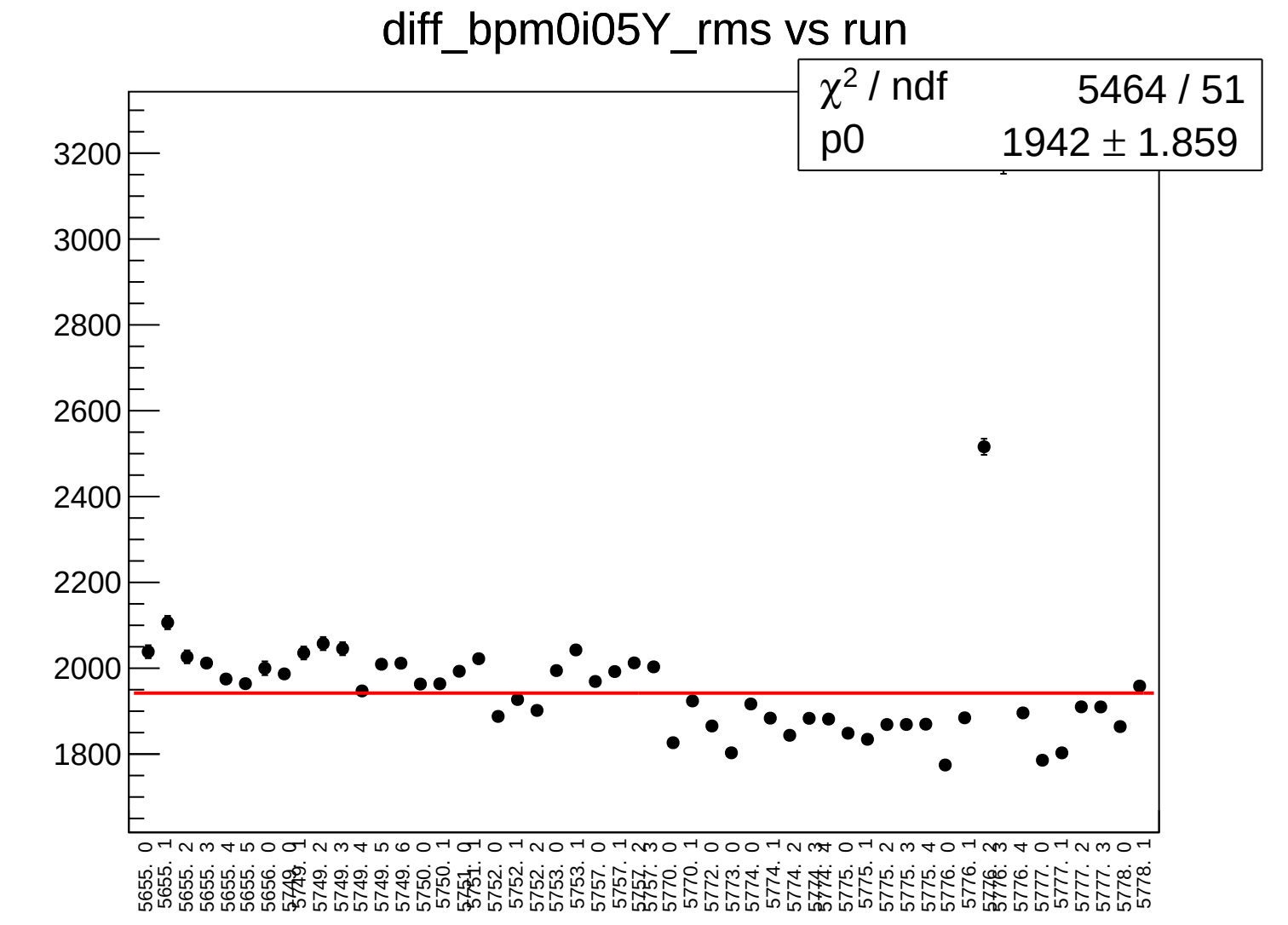

diff_bpm0i05Y_mean vs run
χ² / ndf 54.1 / 51
p0 −23.37 ± 2.63
pull
Entries 52
Mean 4.269
Std Dev 5.535


pull1D
Entries 52
Mean 0.03614
Std Dev 1.019


diff_bpm0i05Y_rms vs run
χ² / ndf 5464 / 51
p0 1942 ± 1.859
3200
3000
2800
2600
2400
2200
2000
1800
5655. 0
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5655. 3
5655. 4
5655. 5
5656. 0
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5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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5752. 2
5753. 0
5753. 1
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5774. 0
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5775. 3
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5777. 2
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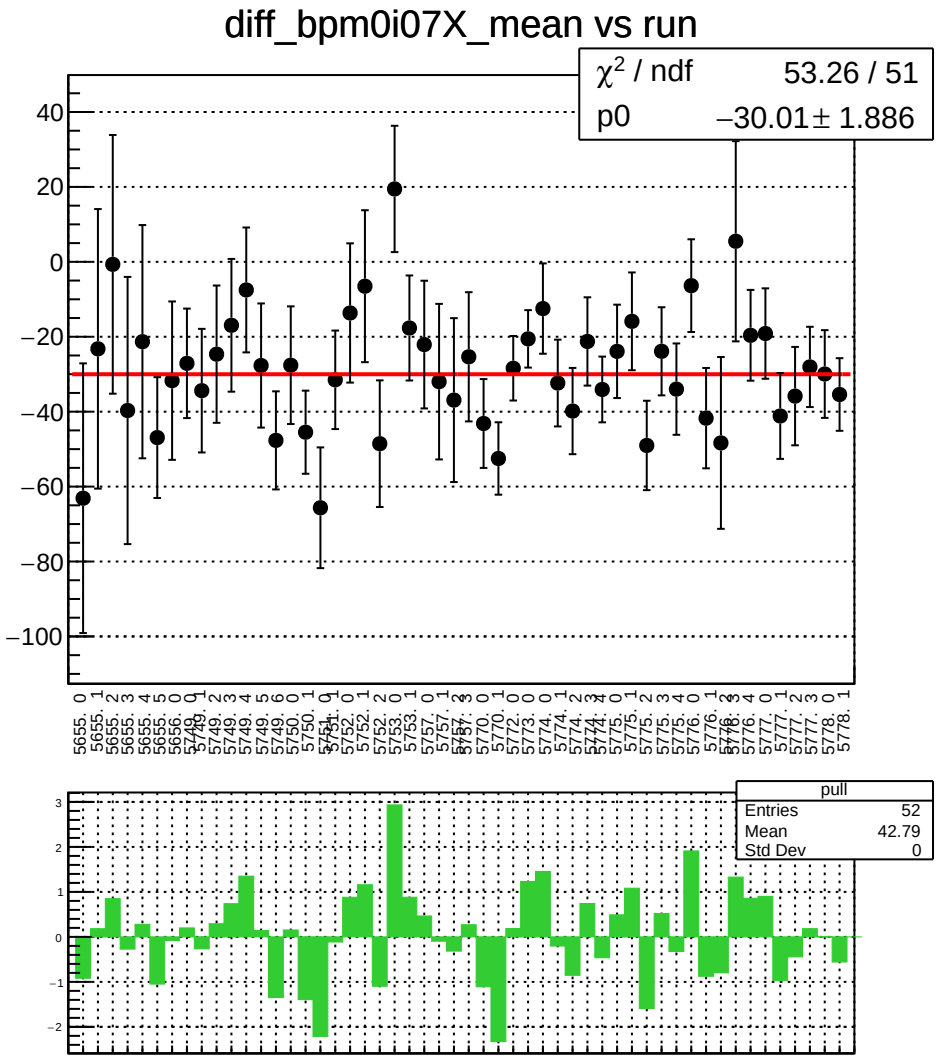
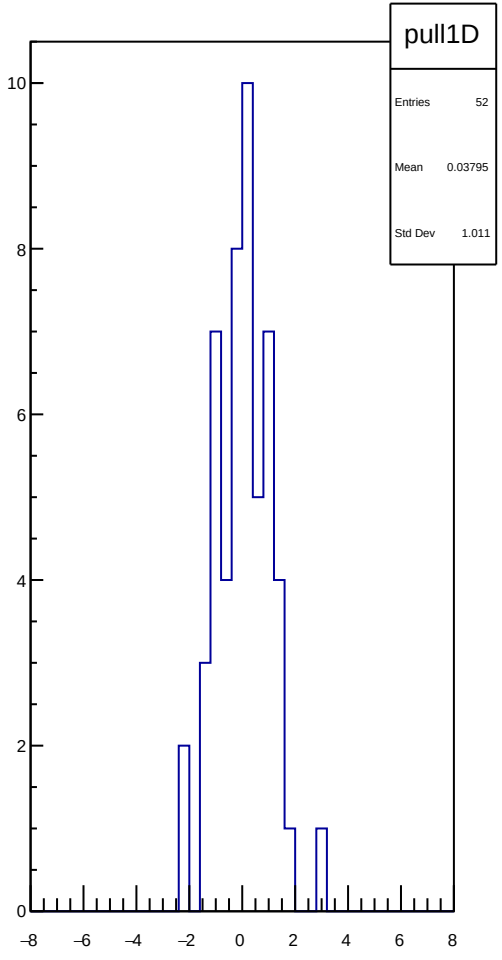
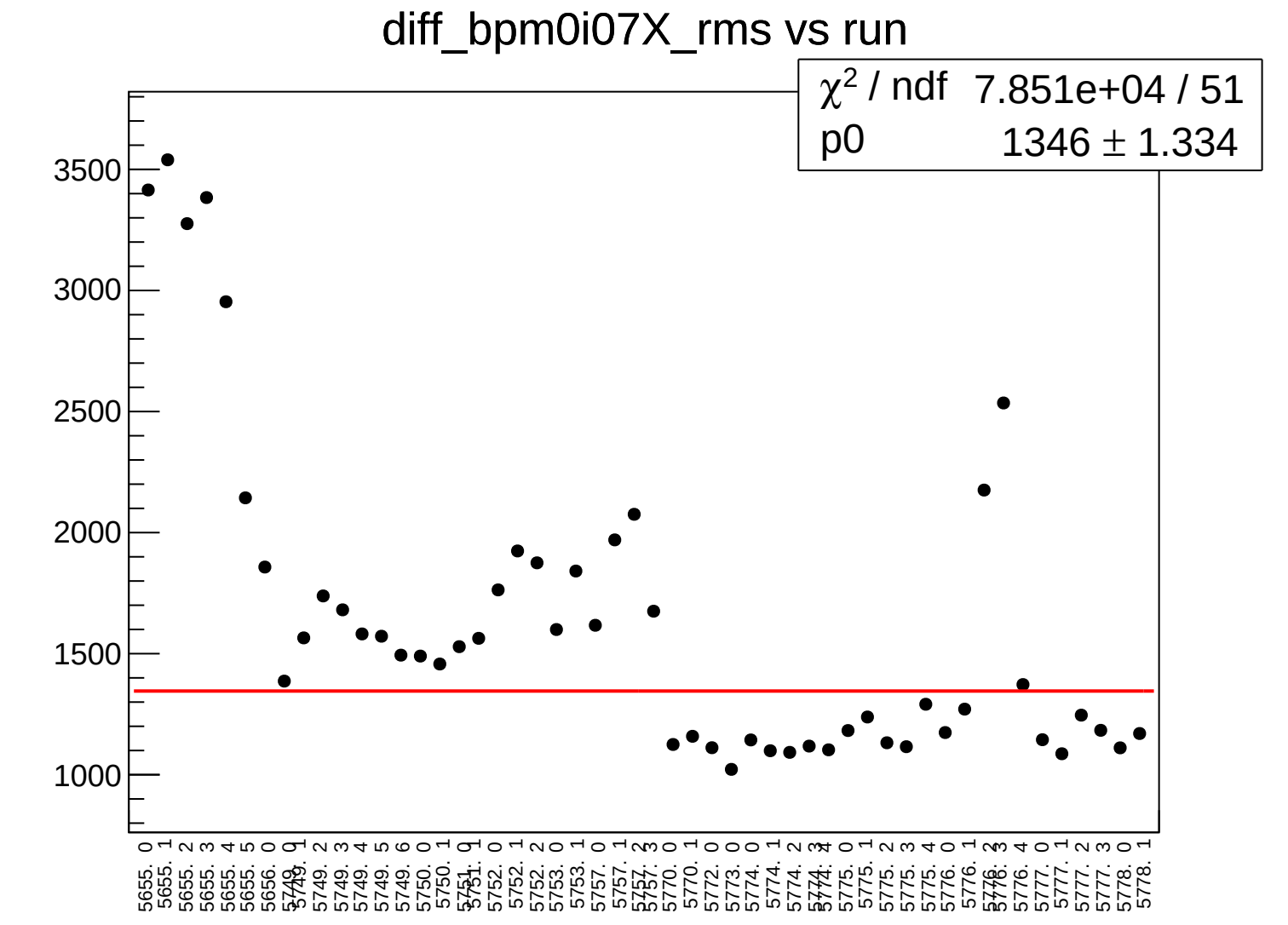

diff_bpm0i07X_mean vs run
χ² / ndf 53.26 / 51
p0 −30.01 ± 1.886
pull
Entries 52
Mean 42.79
Std Dev 0


pull1D
Entries 52
Mean 0.03795
Std Dev 1.011


diff_bpm0i07X_rms vs run
χ² / ndf 7.851e+04 / 51
p0 1346 ± 1.334
3500
3000
2500
2000
1500
1000
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5655. 1
5655. 2
5655. 3
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5656. 0
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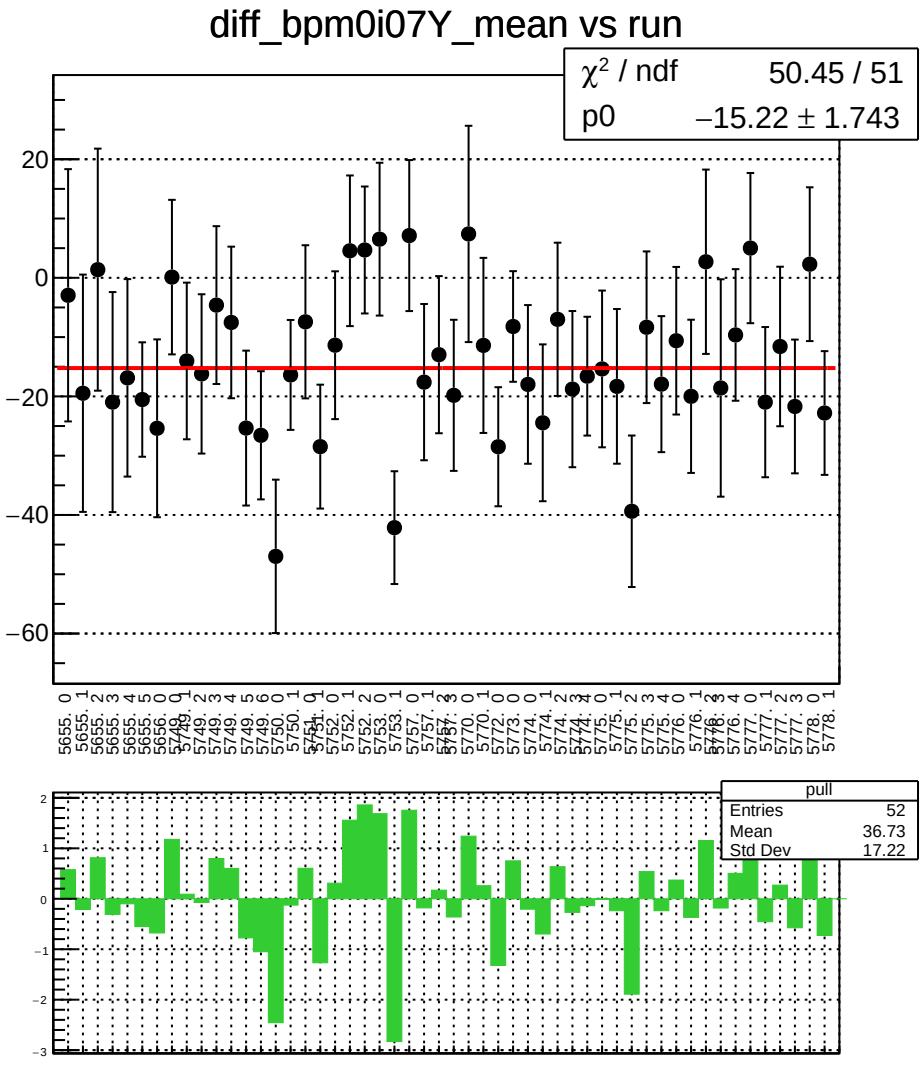
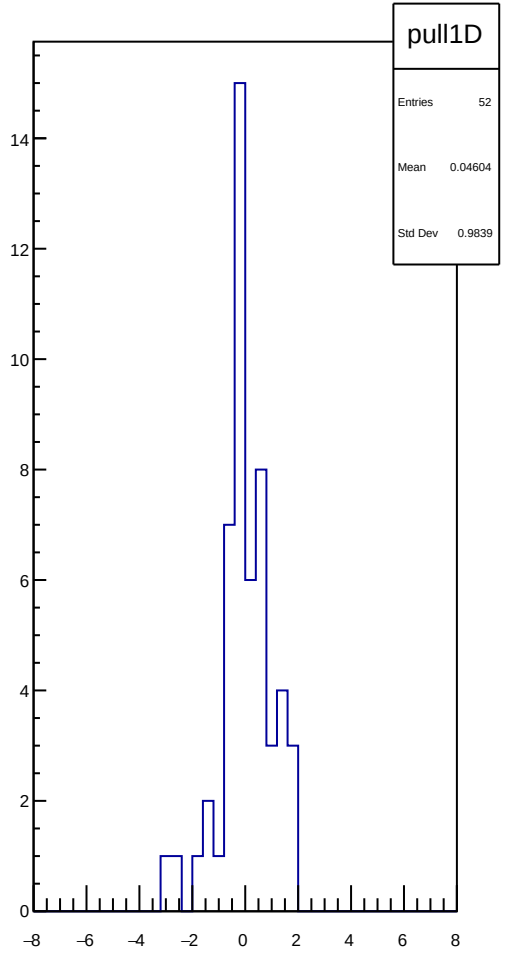
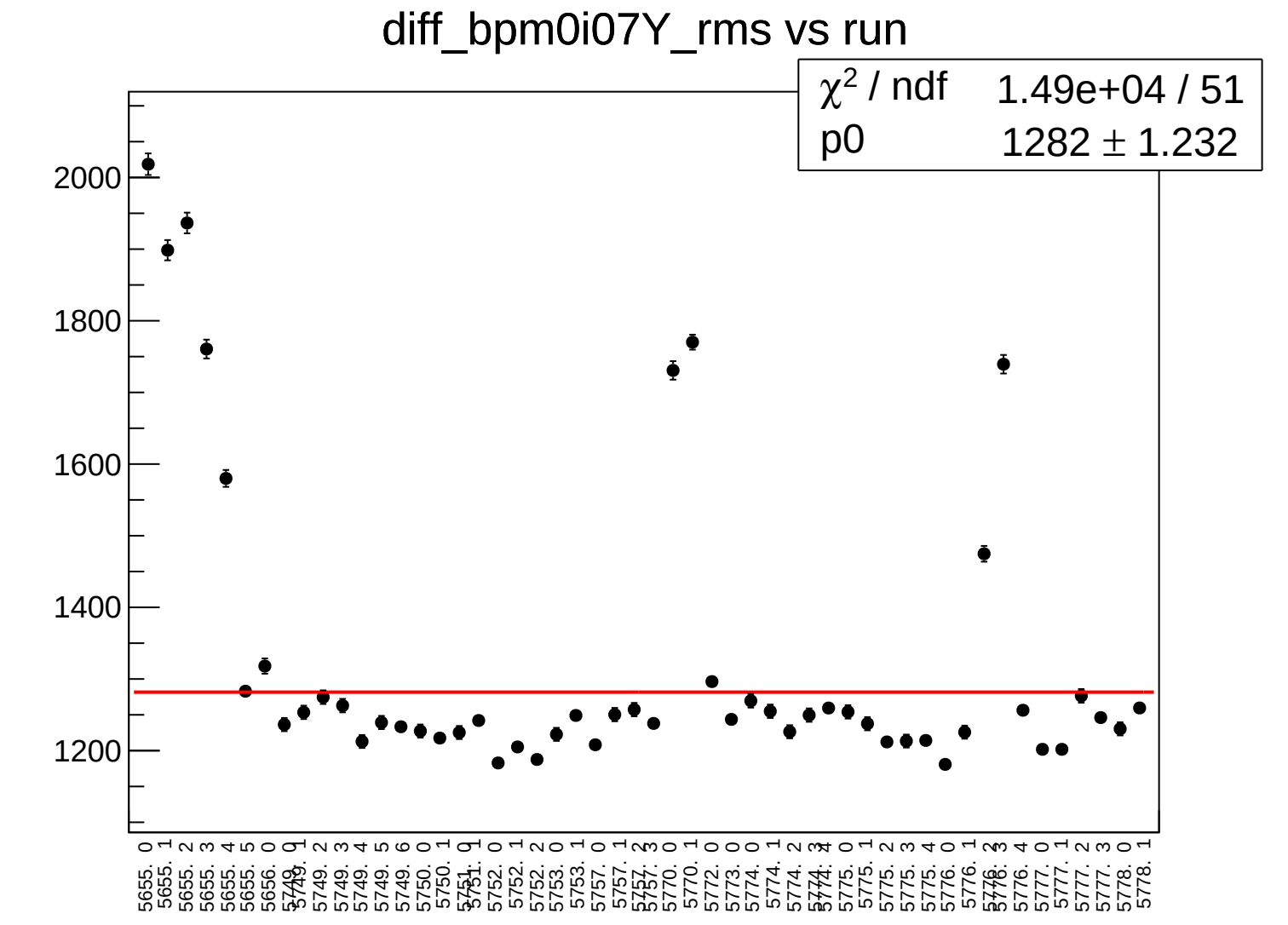
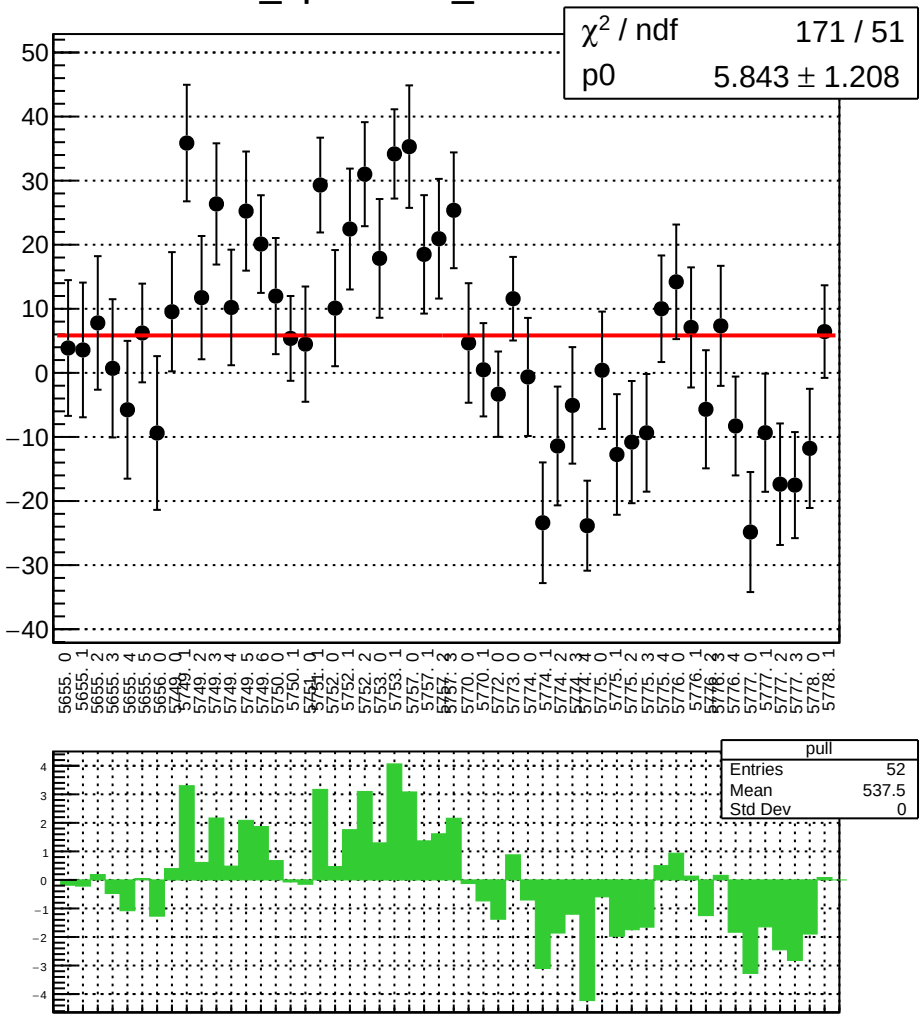
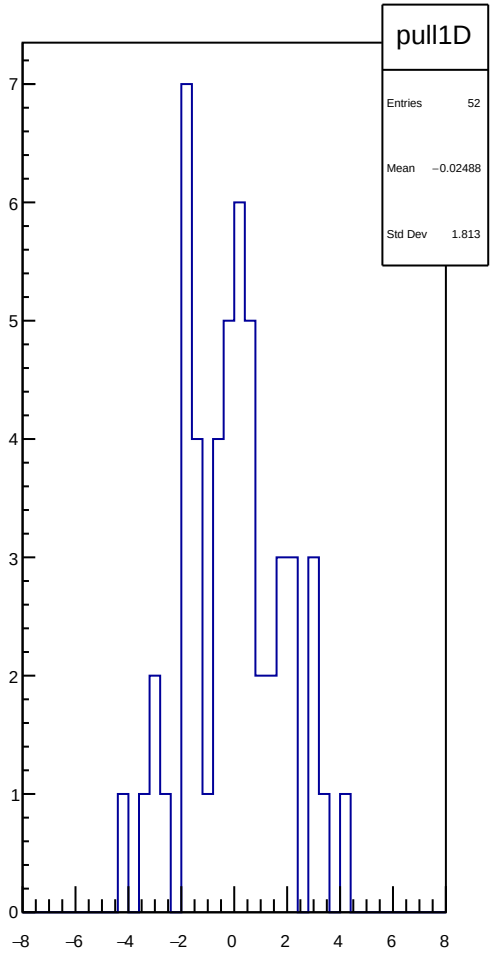
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

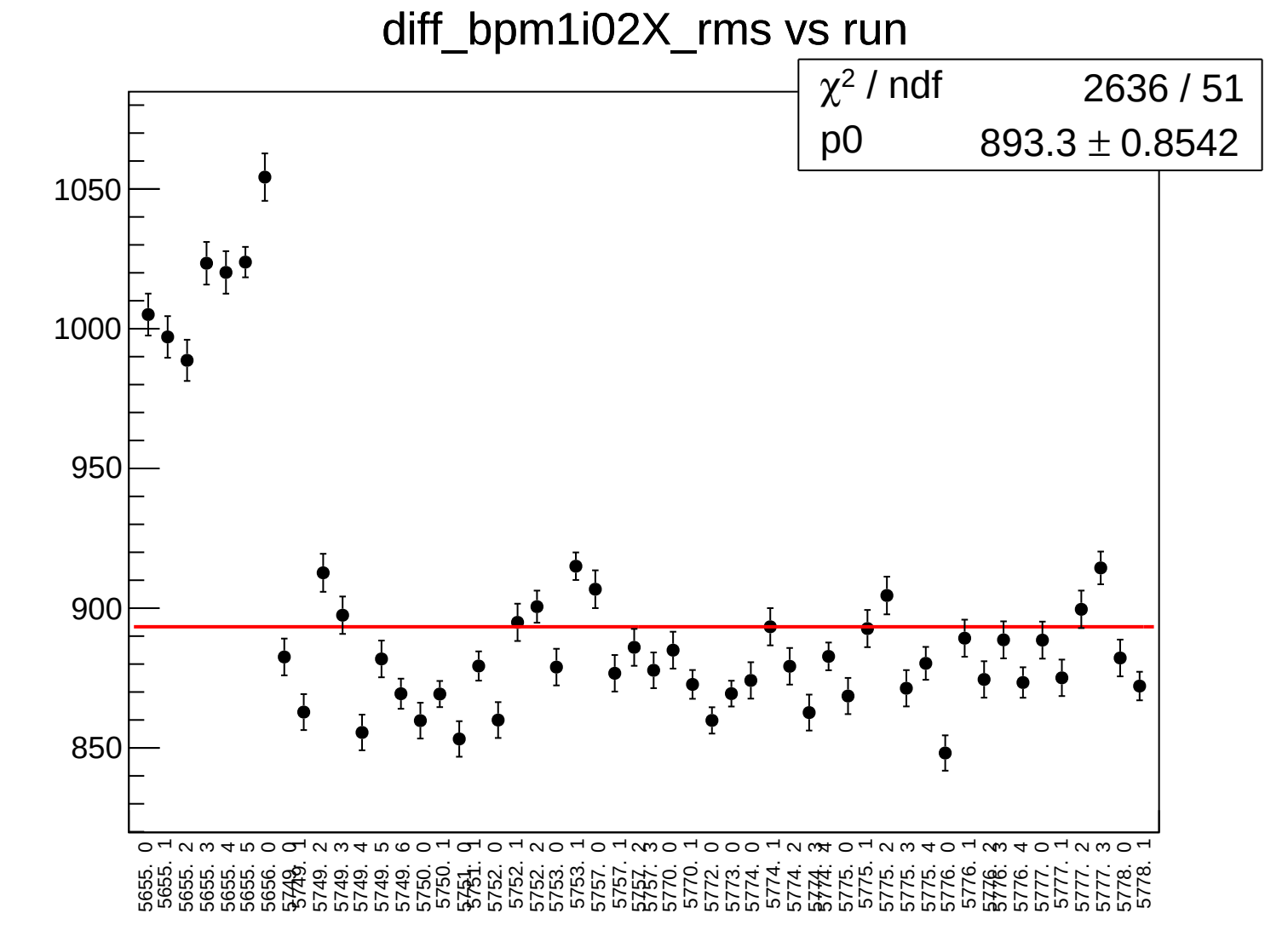

diff_bpm0i07Y_mean vs run
χ² / ndf 50.45 / 51
p0 −15.22 ± 1.743
pull
Entries 52
Mean 36.73
Std Dev 17.22

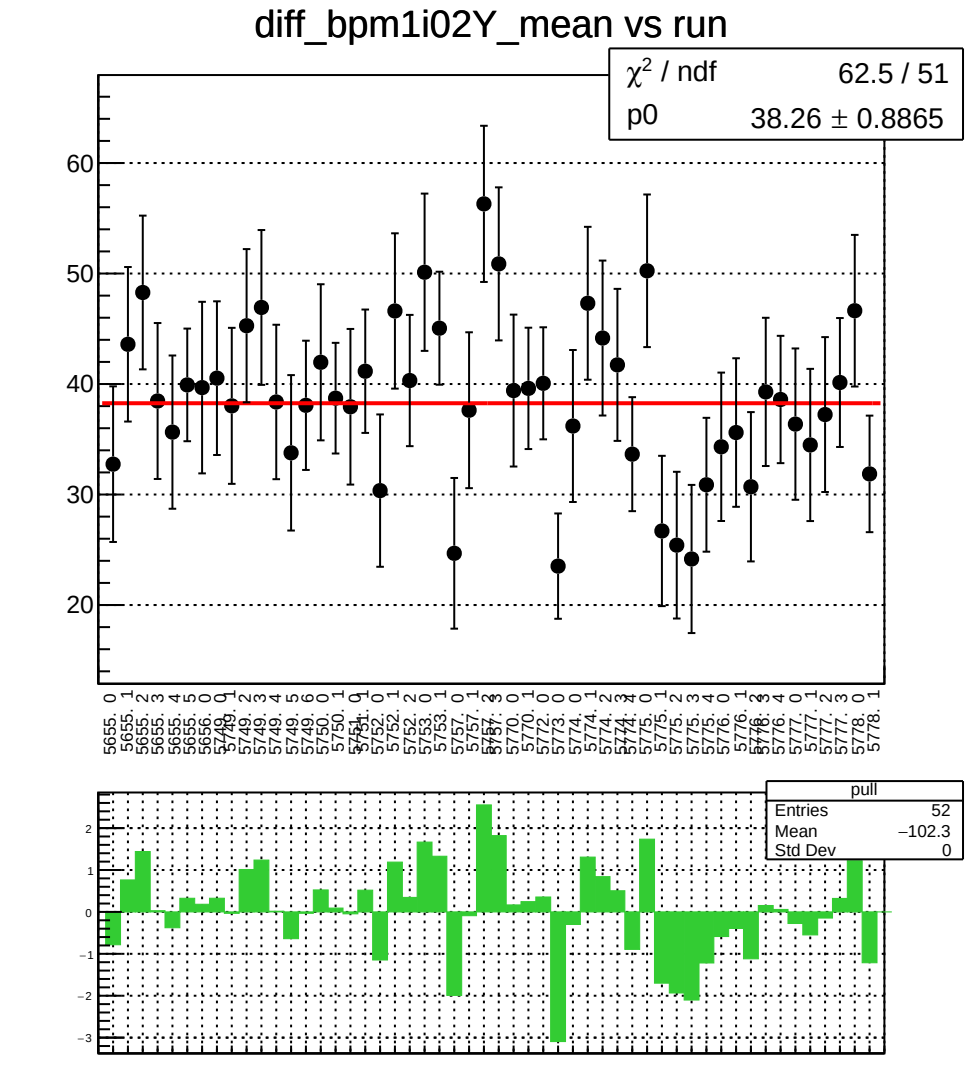

pull1D
Entries 52
Mean 0.04604
Std Dev 0.9839

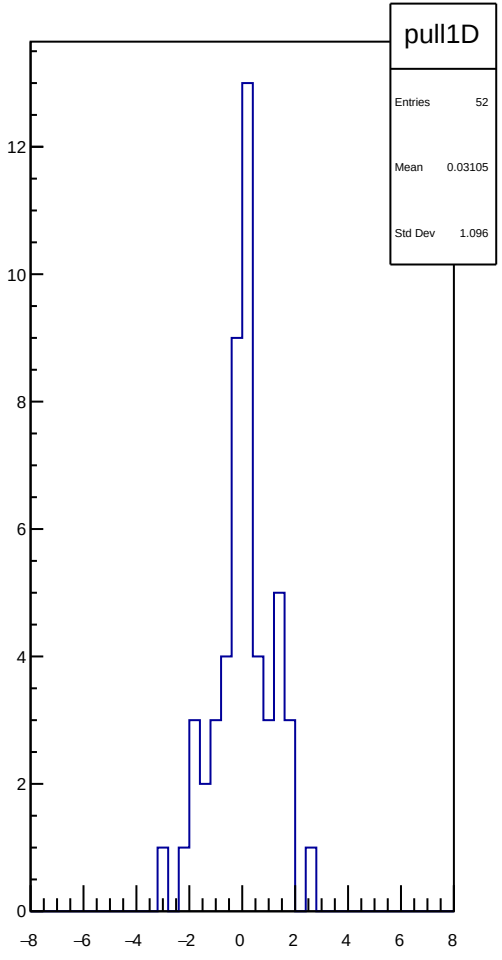

diff_bpm0i07Y_rms vs run
χ² / ndf 1.49e+04 / 51
p0 1282 ± 1.232
2000
1800
1600
1400
1200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

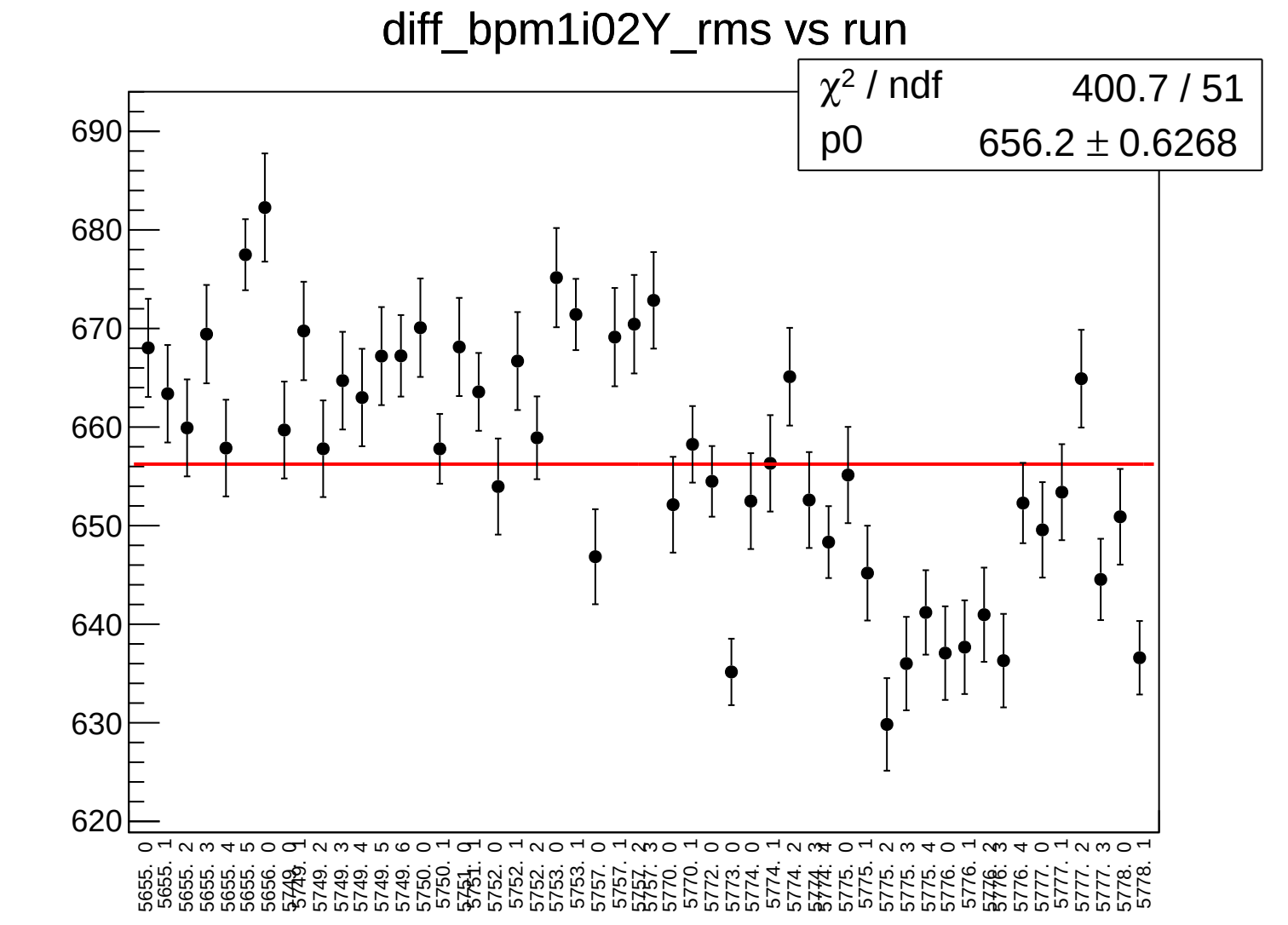

diff_bpm1i02X_mean vs run
χ² / ndf 171 / 51
p0 5.843 ± 1.208
pull
Entries 52
Mean 537.5
Std Dev 0


pull1D
Entries 52
Mean −0.02488
Std Dev 1.813


diff_bpm1i02X_rms vs run
χ² / ndf 2636 / 51
p0 893.3 ± 0.8542
1050
1000
950
900
850
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


diff_bpm1i02Y_mean vs run
χ² / ndf 62.5 / 51
p0 38.26 ± 0.8865
pull
Entries 52
Mean −102.3
Std Dev 0


pull1D
Entries 52
Mean 0.03105
Std Dev 1.096


diff_bpm1i02Y_rms vs run
χ² / ndf 400.7 / 51
p0 656.2 ± 0.6268
690
680
670
660
650
640
630
620
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
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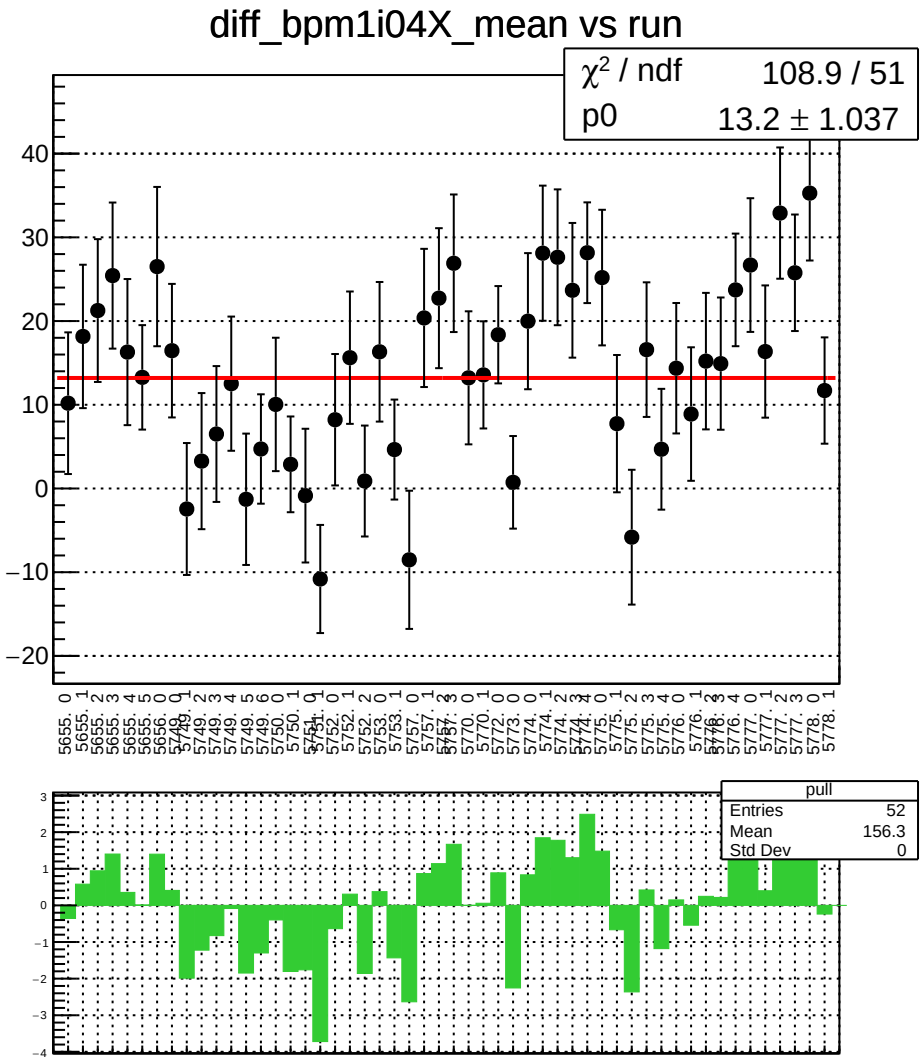
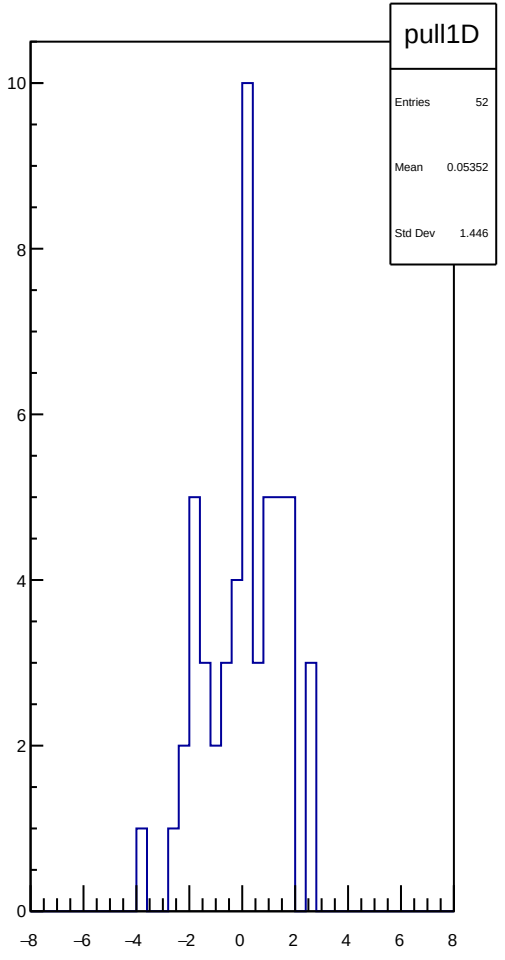
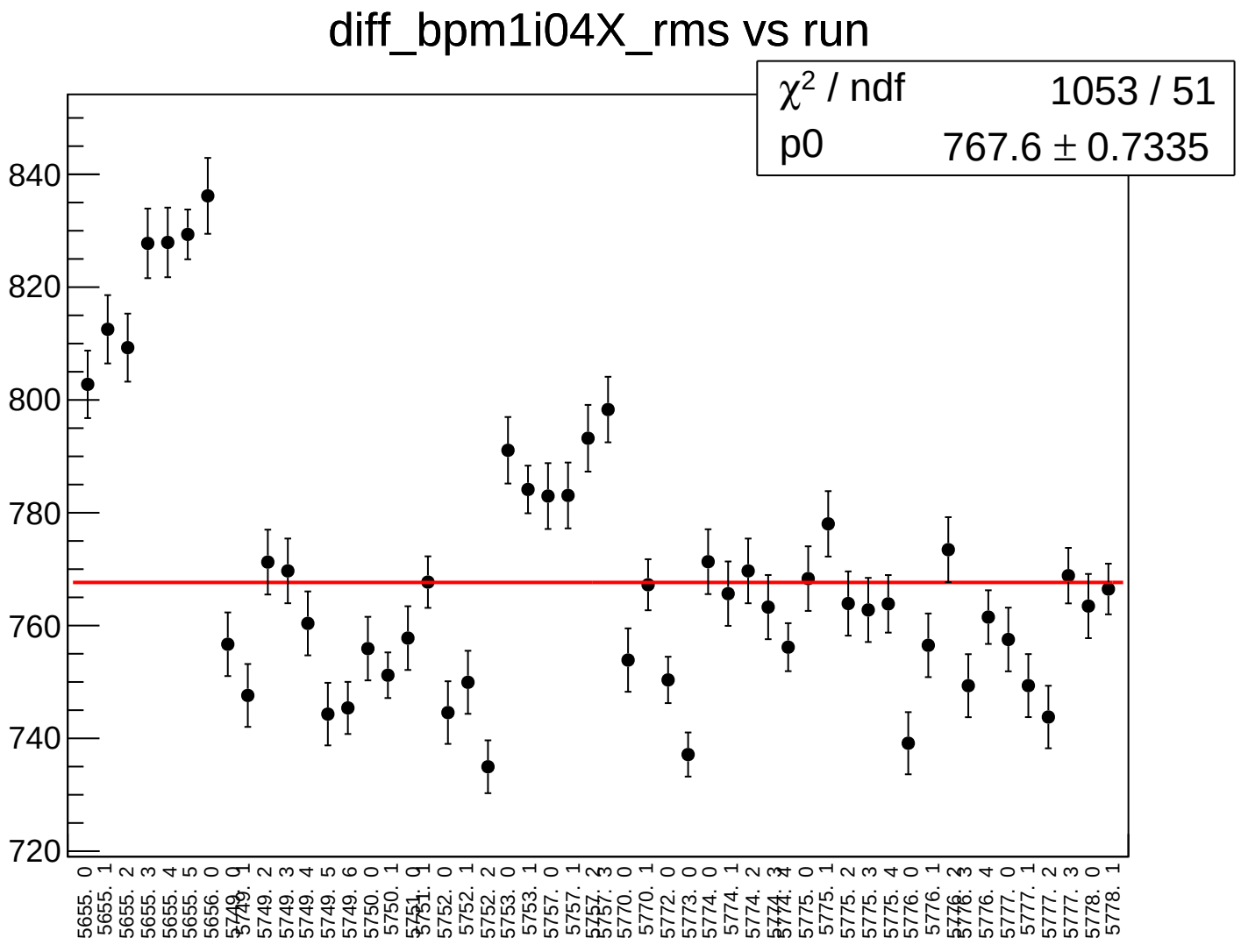
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


diff_bpm1i04X_mean vs run
χ² / ndf 108.9 / 51
p0 13.2 ± 1.037
pull
Entries 52
Mean 156.3
Std Dev 0


pull1D
Entries 52
Mean 0.05352
Std Dev 1.446


diff_bpm1i04X_rms vs run
χ² / ndf 1053 / 51
p0 767.6 ± 0.7335
840
820
800
780
760
740
720
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
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5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
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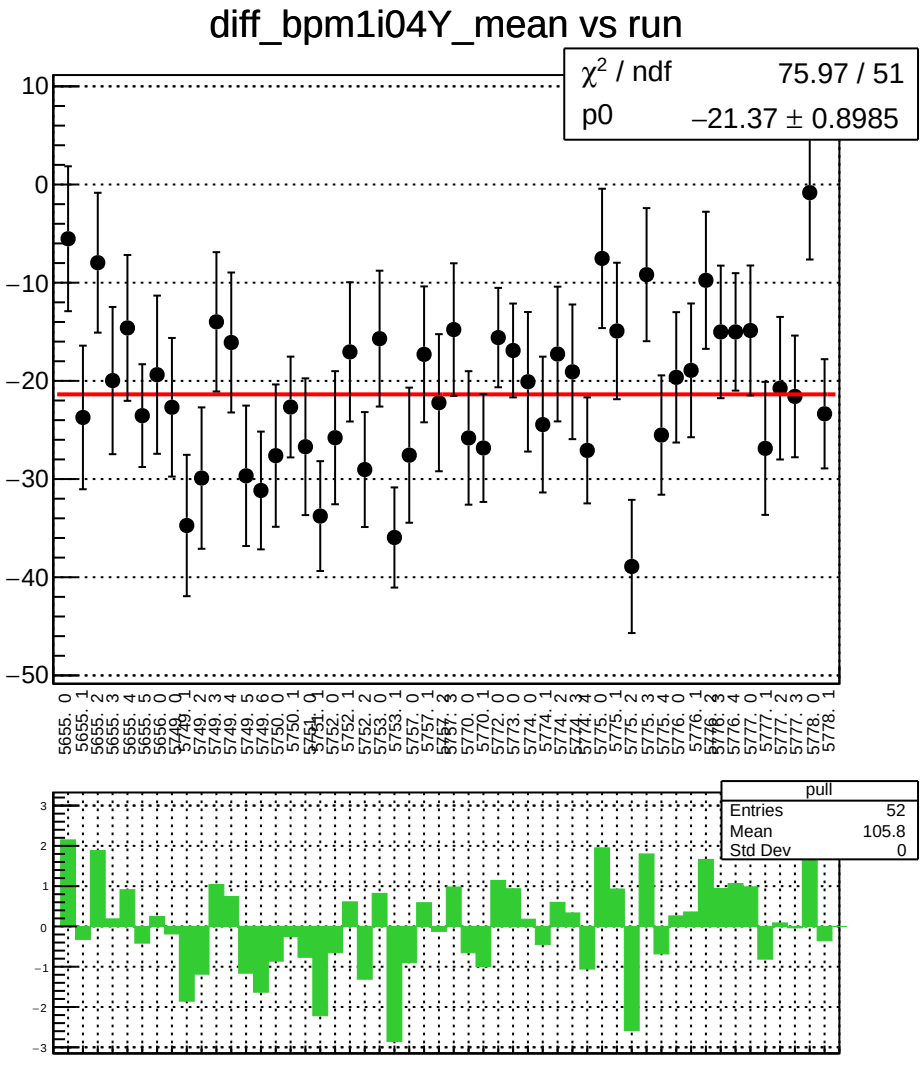
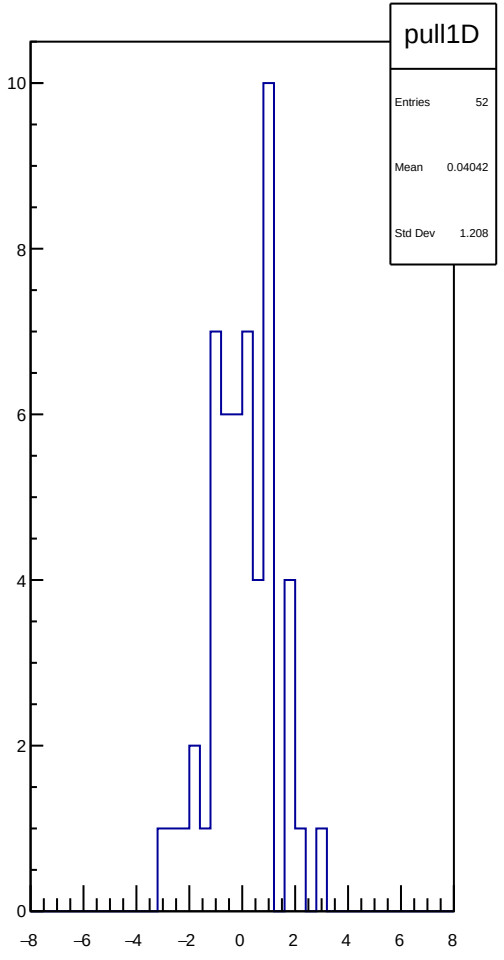
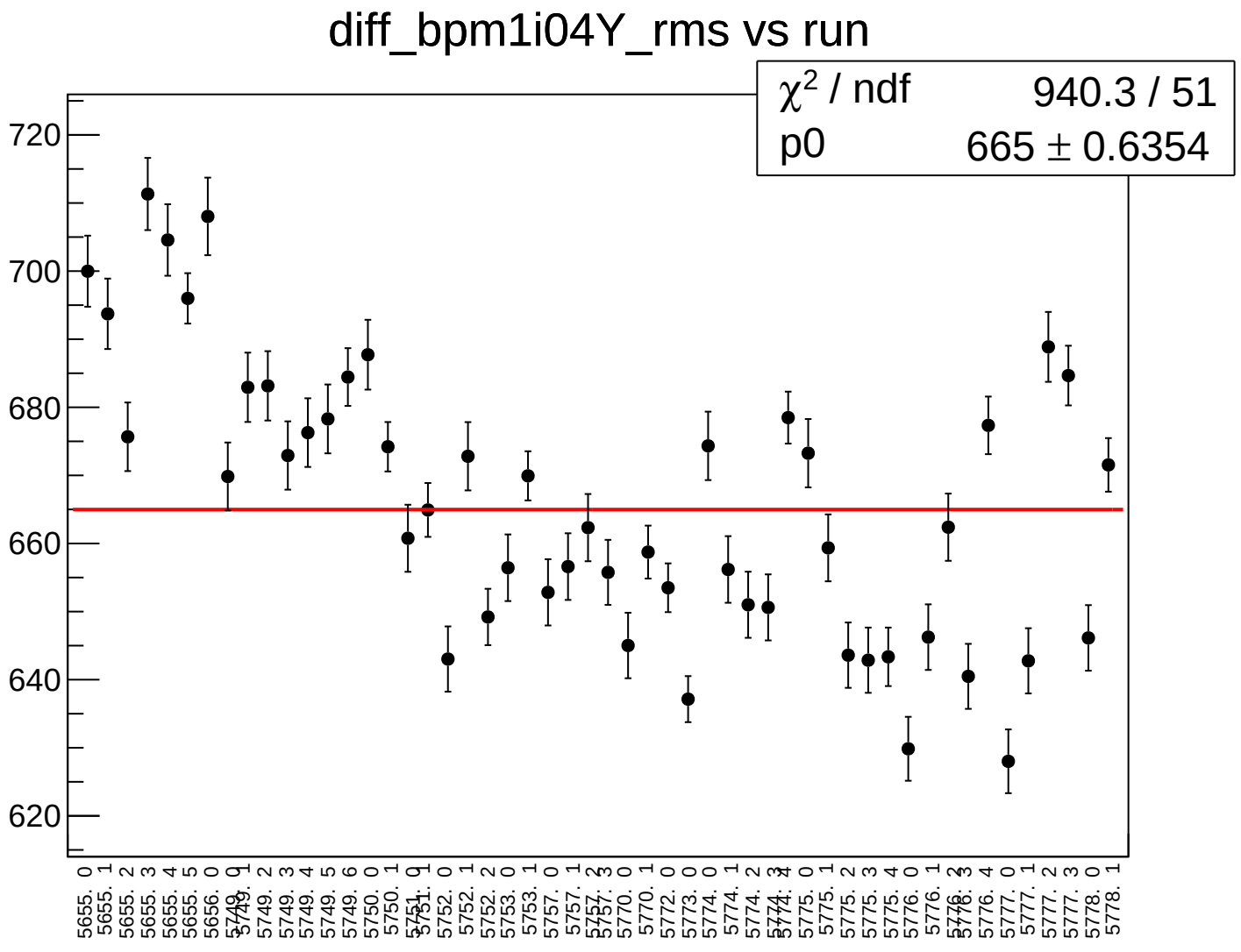
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


diff_bpm1i04Y_mean vs run
χ² / ndf 75.97 / 51
p0 −21.37 ± 0.8985
pull
Entries 52
Mean 105.8
Std Dev 0


pull1D
Entries 52
Mean 0.04042
Std Dev 1.208


diff_bpm1i04Y_rms vs run
χ² / ndf 940.3 / 51
p0 665 ± 0.6354
720
700
680
660
640
620
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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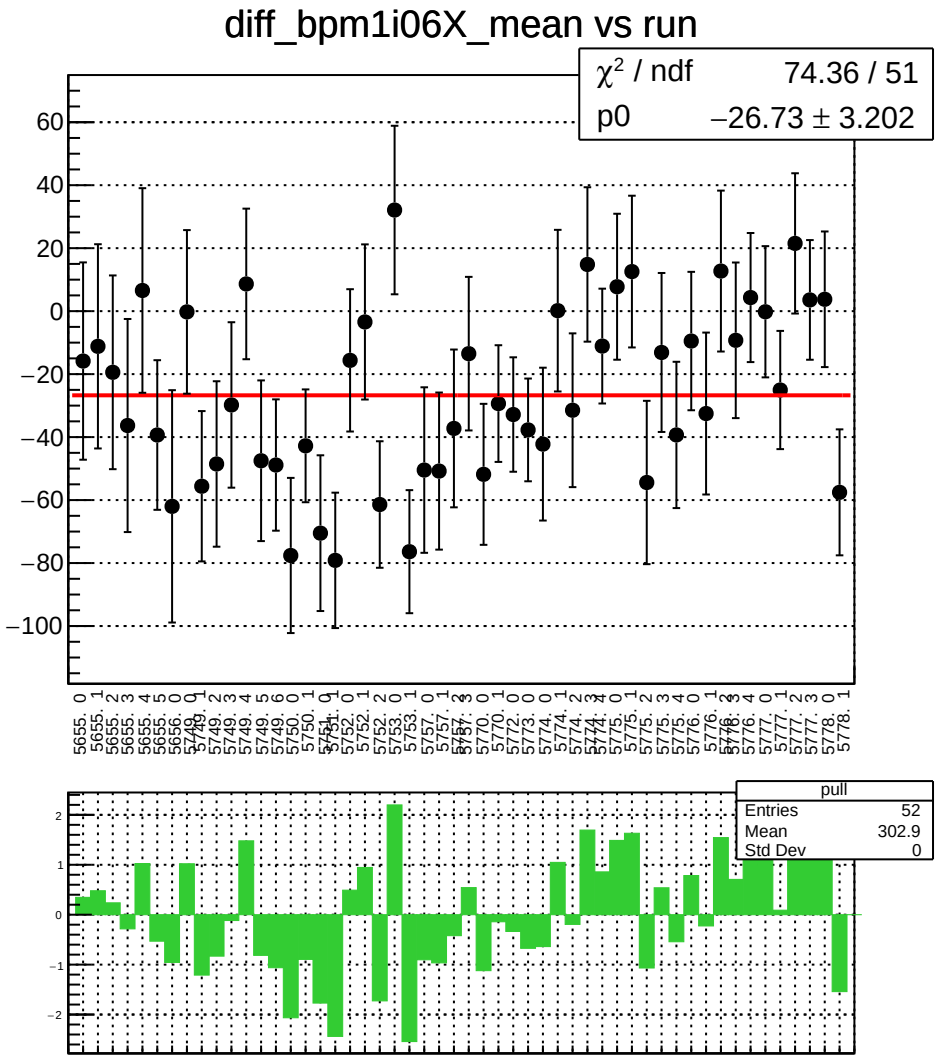
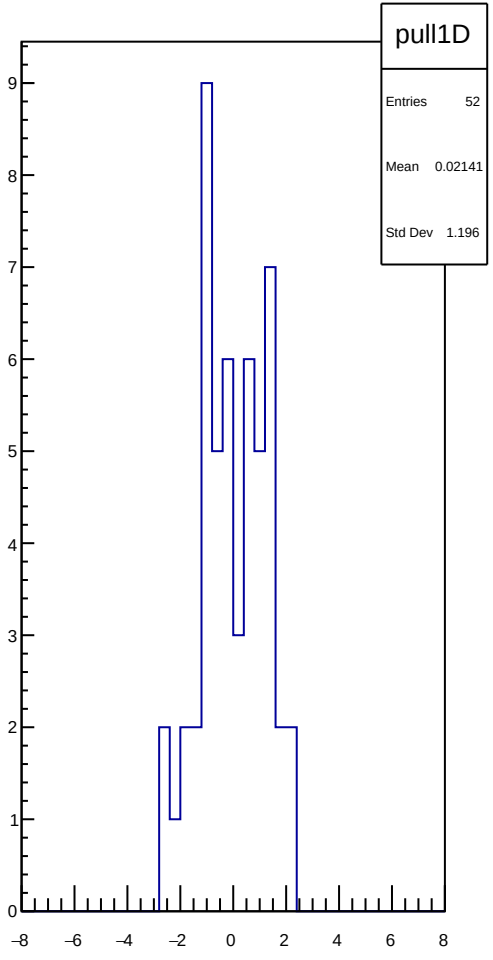
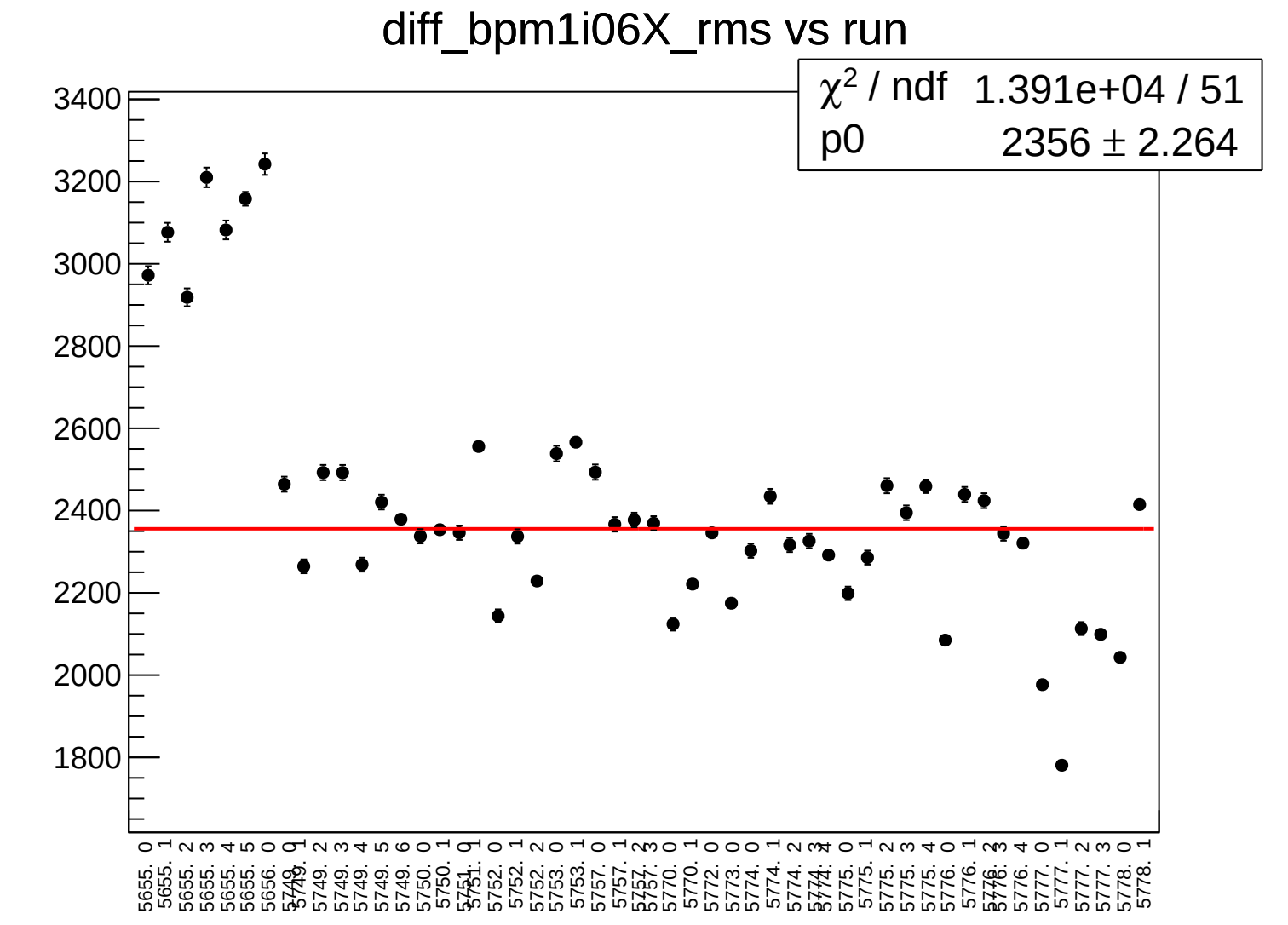
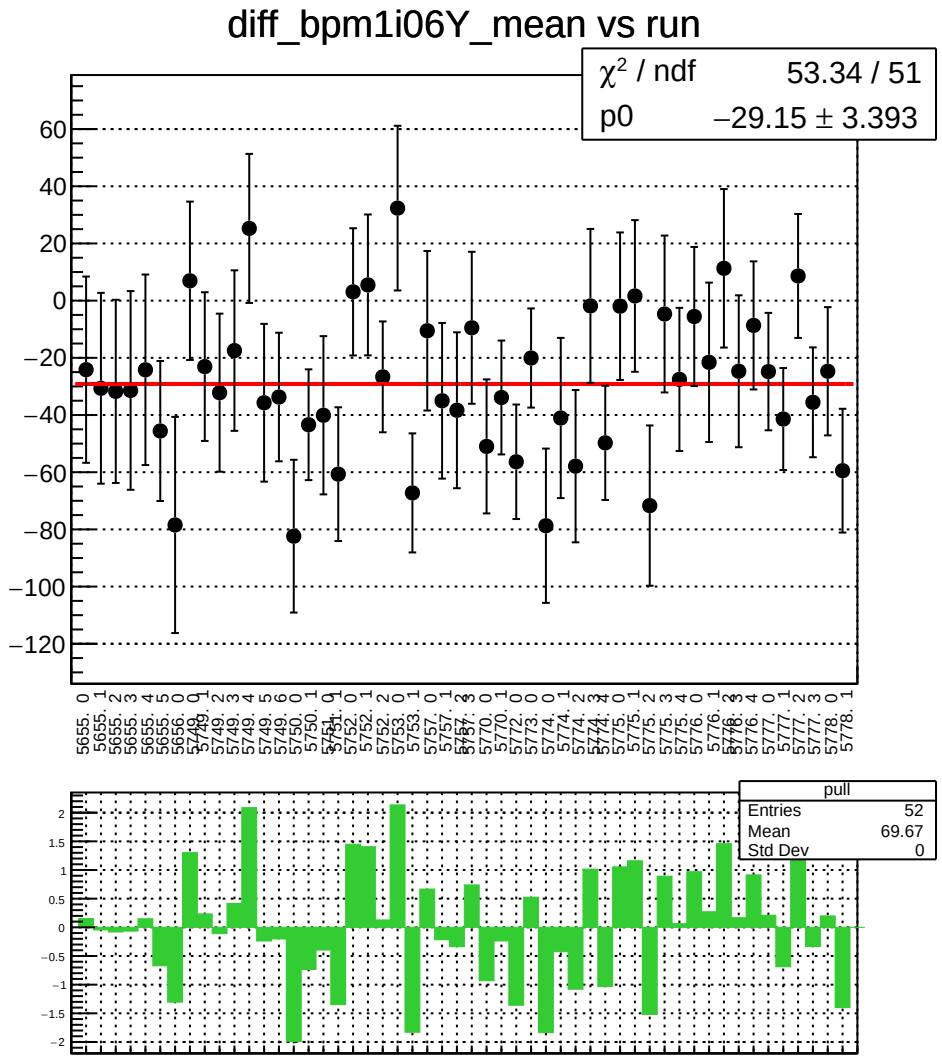
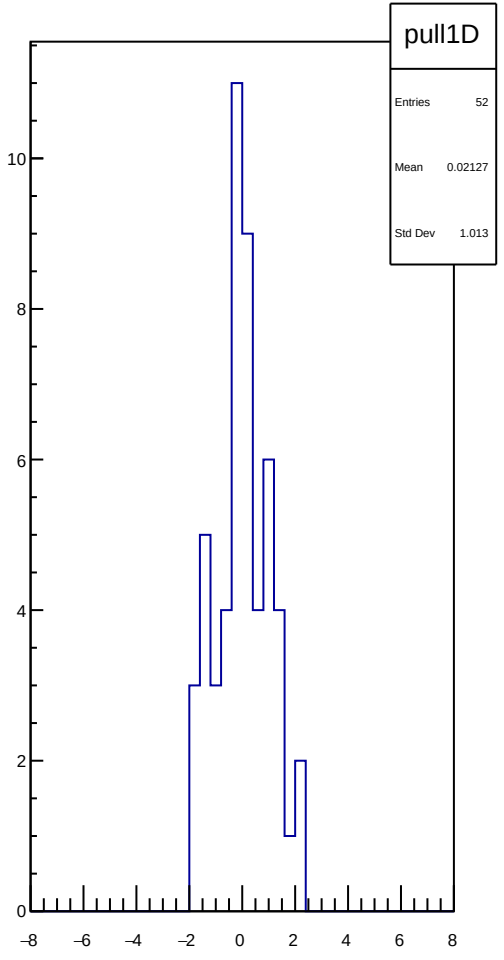
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

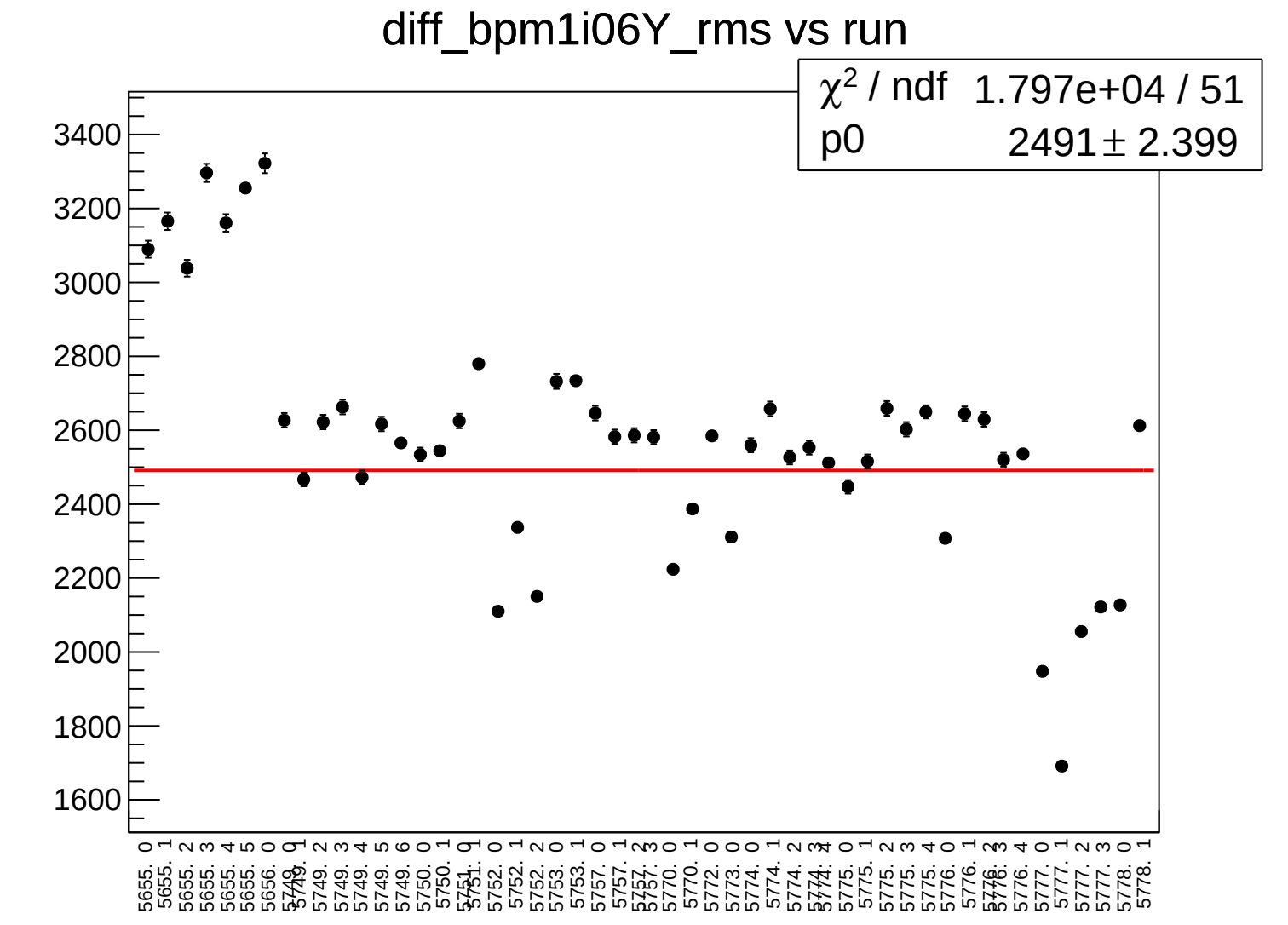

diff_bpm1i06X_mean vs run
χ² / ndf 74.36 / 51
p0 −26.73 ± 3.202
pull
Entries 52
Mean 302.9
Std Dev 0


pull1D
Entries 52
Mean 0.02141
Std Dev 1.196


diff_bpm1i06X_rms vs run
χ² / ndf 1.391e+04 / 51
p0 2356 ± 2.264
3400
3200
3000
2800
2600
2400
2200
2000
1800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


diff_bpm1i06Y_mean vs run
χ² / ndf 53.34 / 51
p0 −29.15 ± 3.393
pull
Entries 52
Mean 69.67
Std Dev 0


pull1D
Entries 52
Mean 0.02127
Std Dev 1.013


diff_bpm1i06Y_rms vs run
χ² / ndf 1.797e+04 / 51
p0 2491 ± 2.399
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
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5776. 0
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5776. 4
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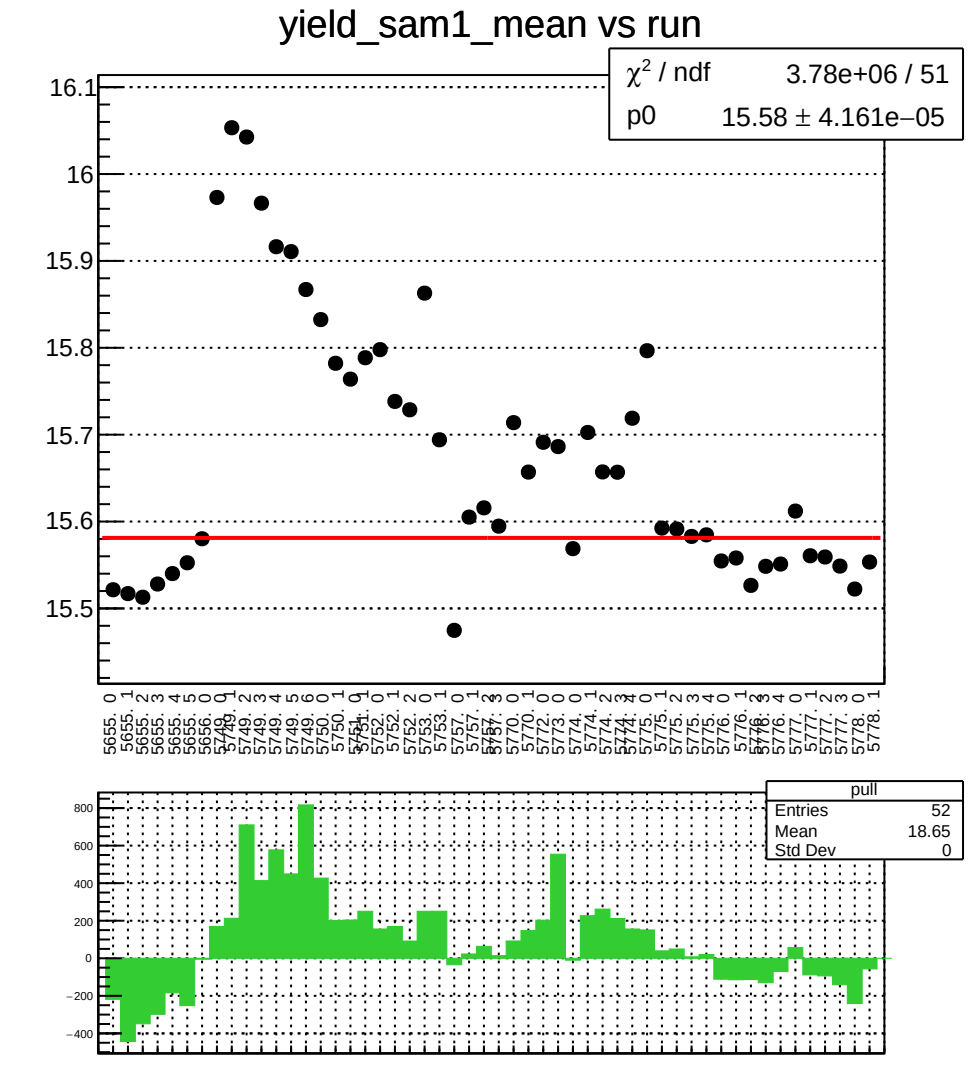
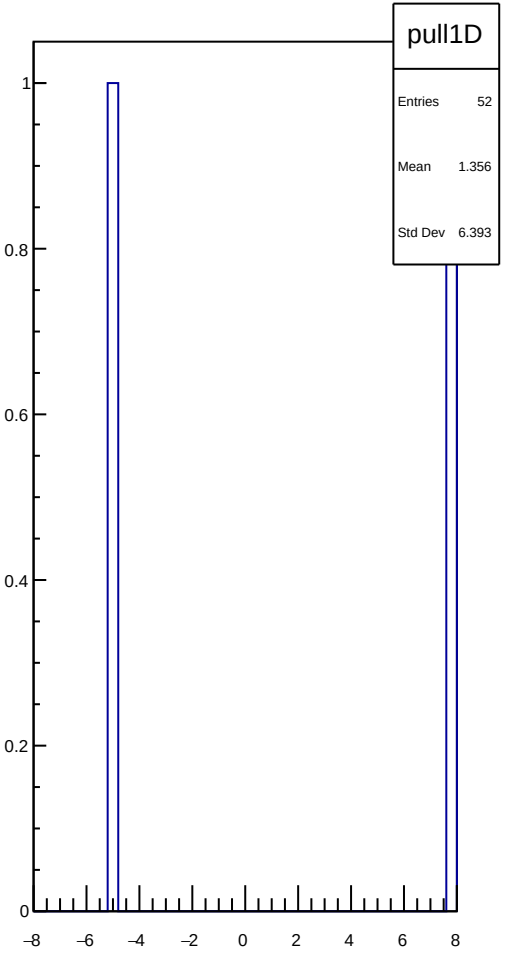
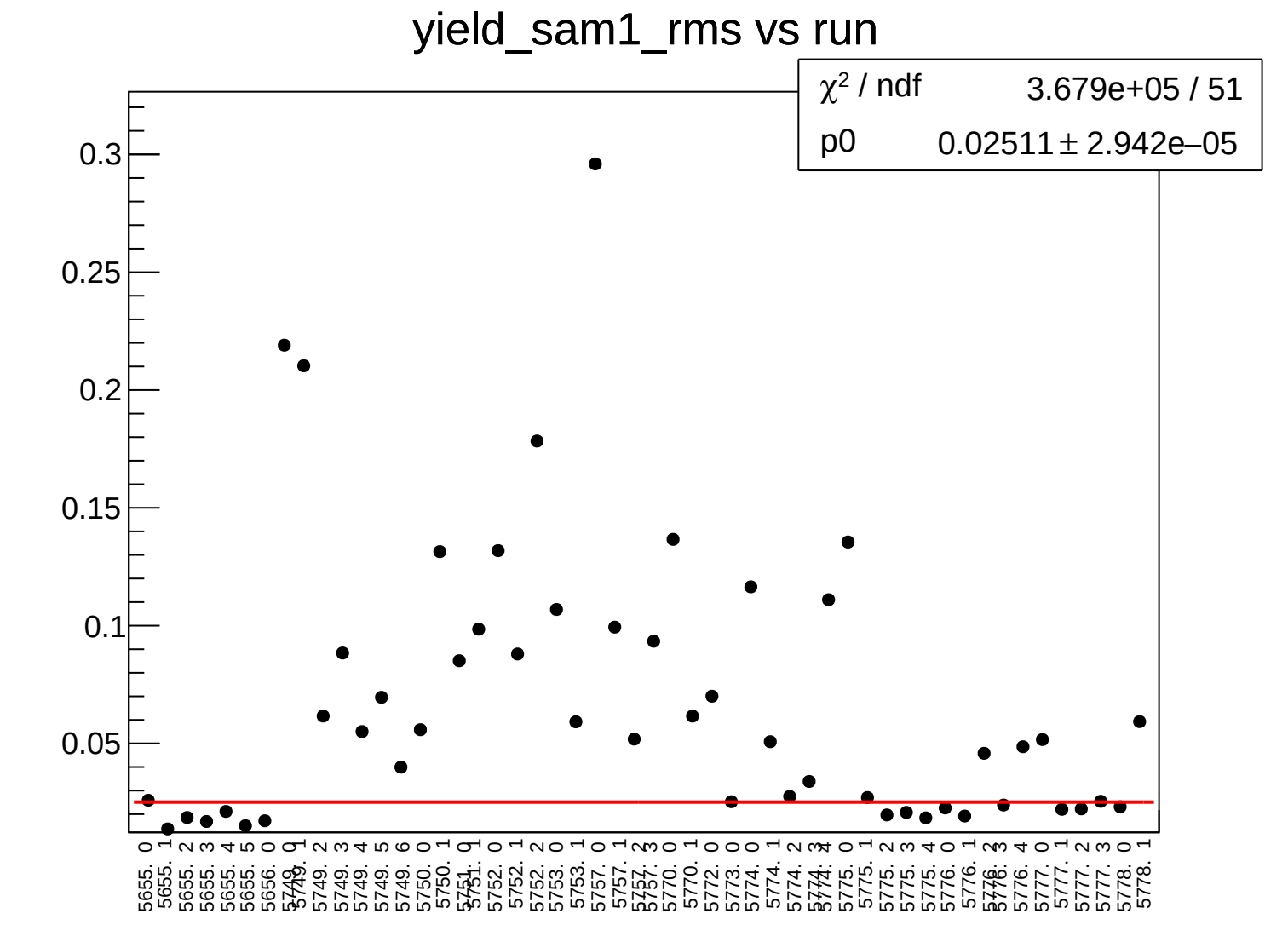
5777. 2
5777. 3
5778. 0
5778. 1


yield_sam1_mean vs run
χ² / ndf 3.78e+06 / 51
p0 15.58 ± 4.161e−05
16.1
16
15.9
15.8
15.7
15.6
15.5
pull
Entries 52
Mean 18.65
Std Dev 0
800
600
400
200
0
−200
−400


pull1D
Entries 52
Mean 1.356
Std Dev 6.393
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 3.679e+05 / 51
p0 0.02511 ± 2.942e–05
0.3
0.25
0.2
0.15
0.1
0.05
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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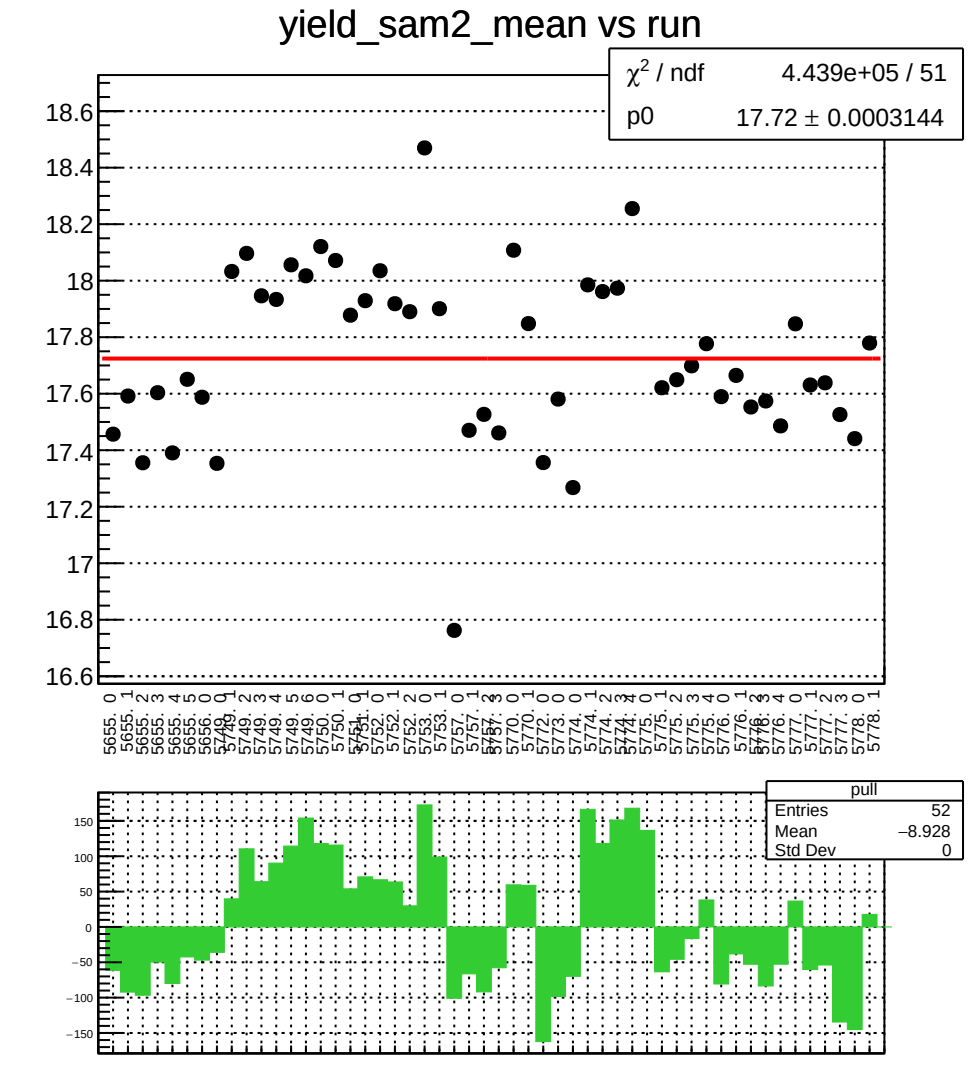
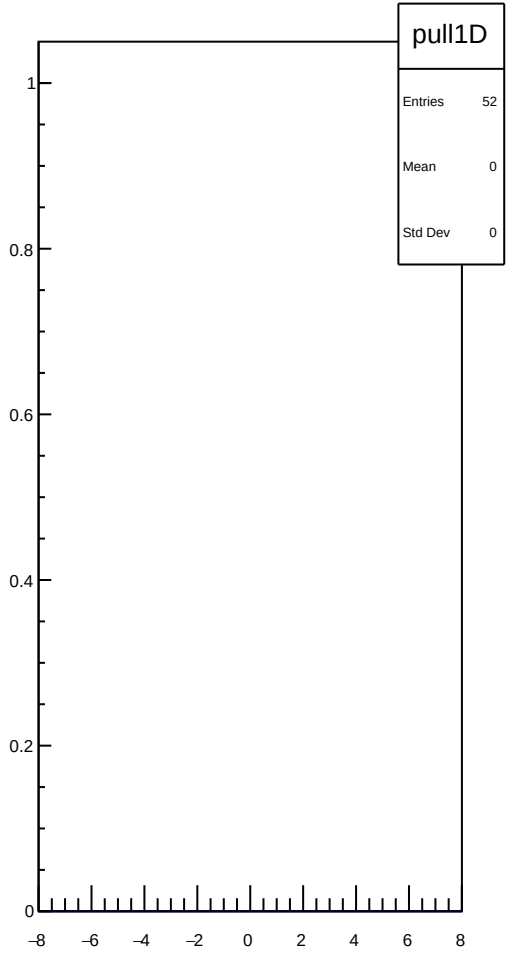
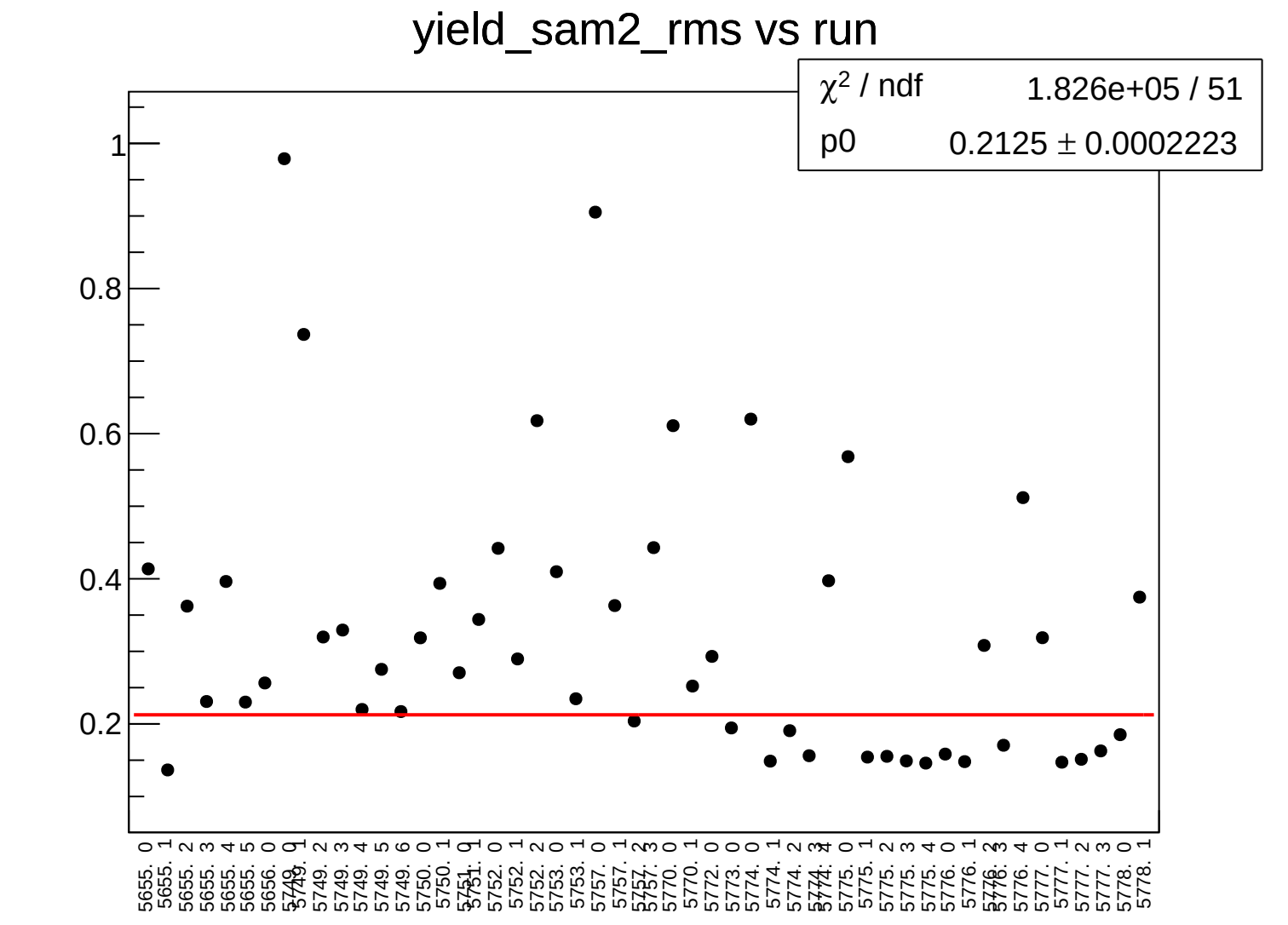
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


yield_sam2_mean vs run
χ² / ndf 4.439e+05 / 51
p0 17.72 ± 0.0003144
18.6
18.4
18.2
18
17.8
17.6
17.4
17.2
17
16.8
16.6
pull
Entries 52
Mean −8.928
Std Dev 0
150
100
50
0
−50
−100
−150


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_sam2_rms vs run
χ² / ndf 1.826e+05 / 51
p0 0.2125 ± 0.0002223
1
0.8
0.6
0.4
0.2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
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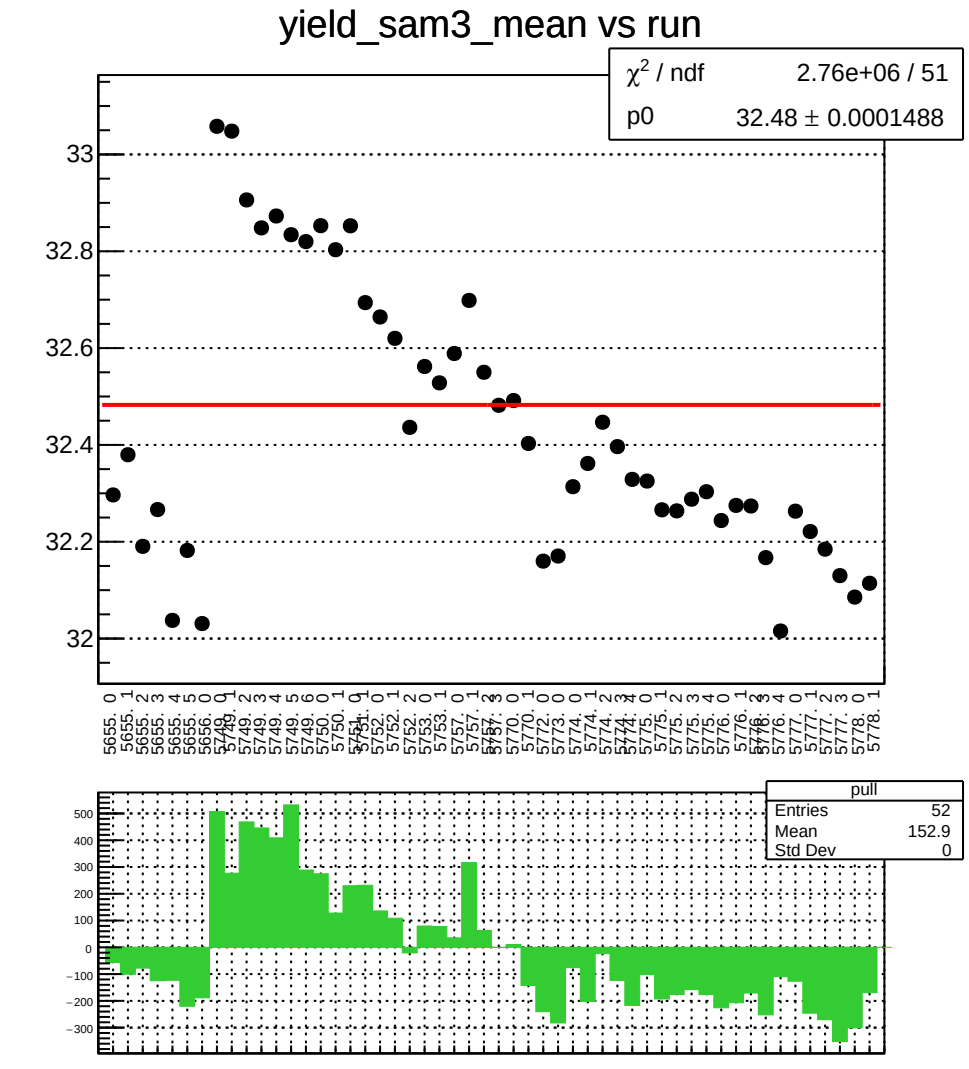
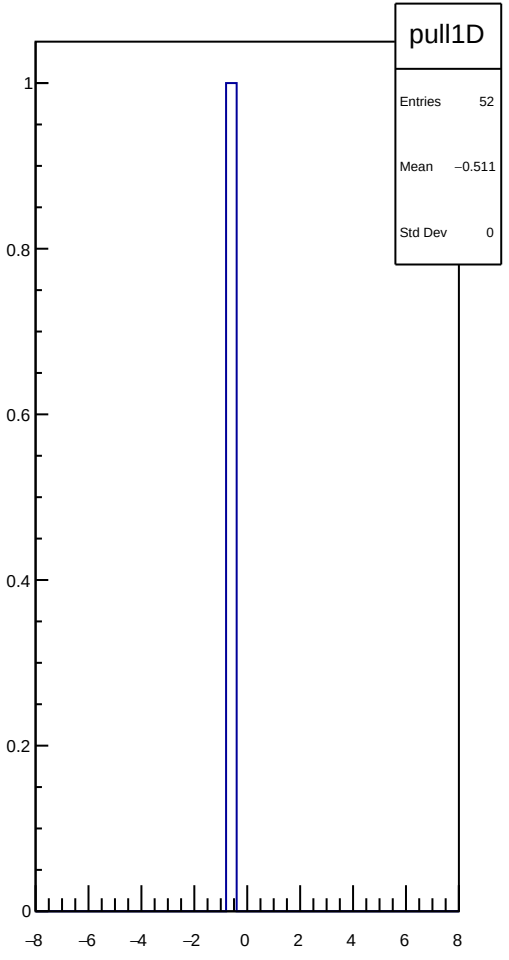
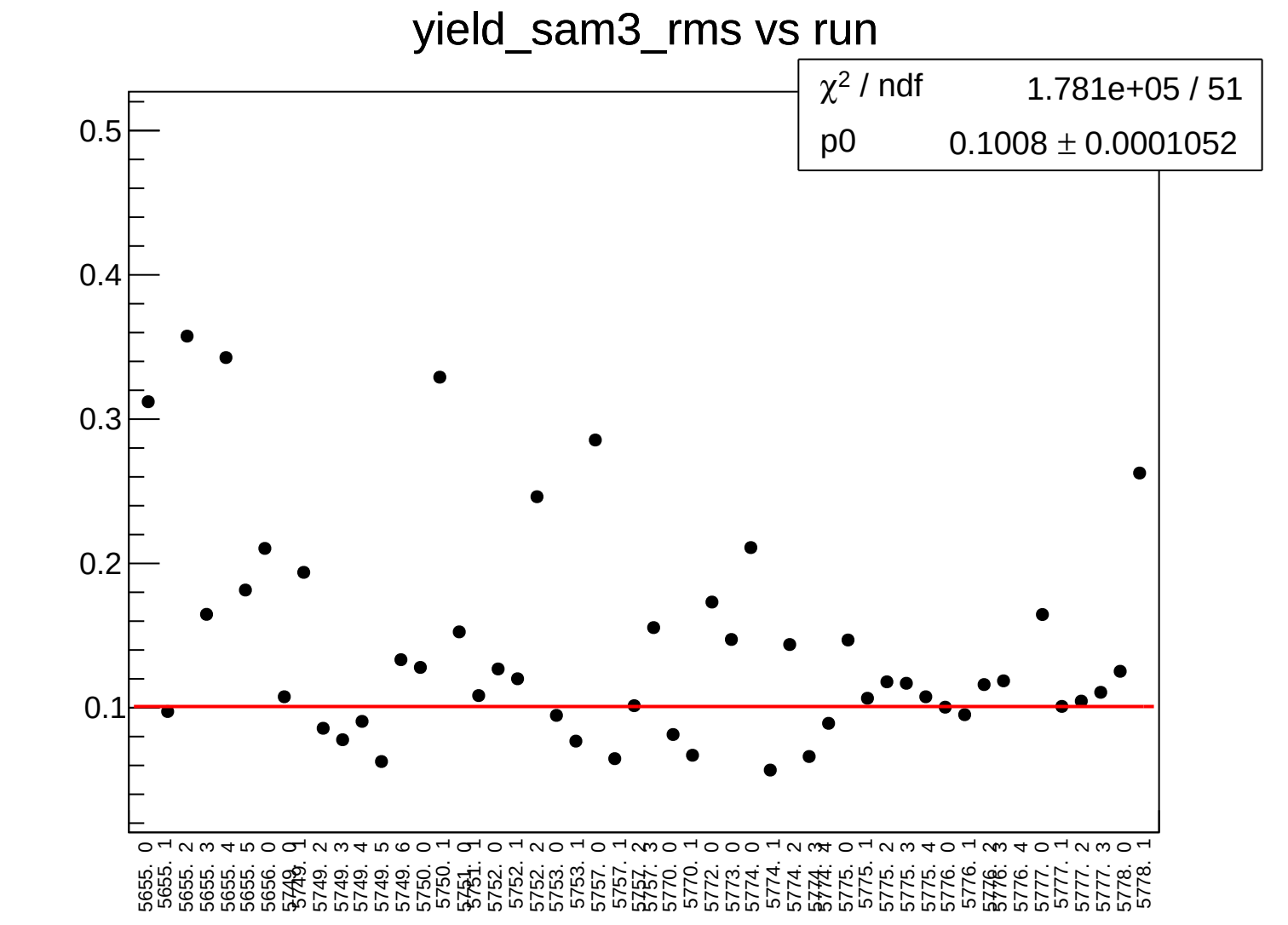
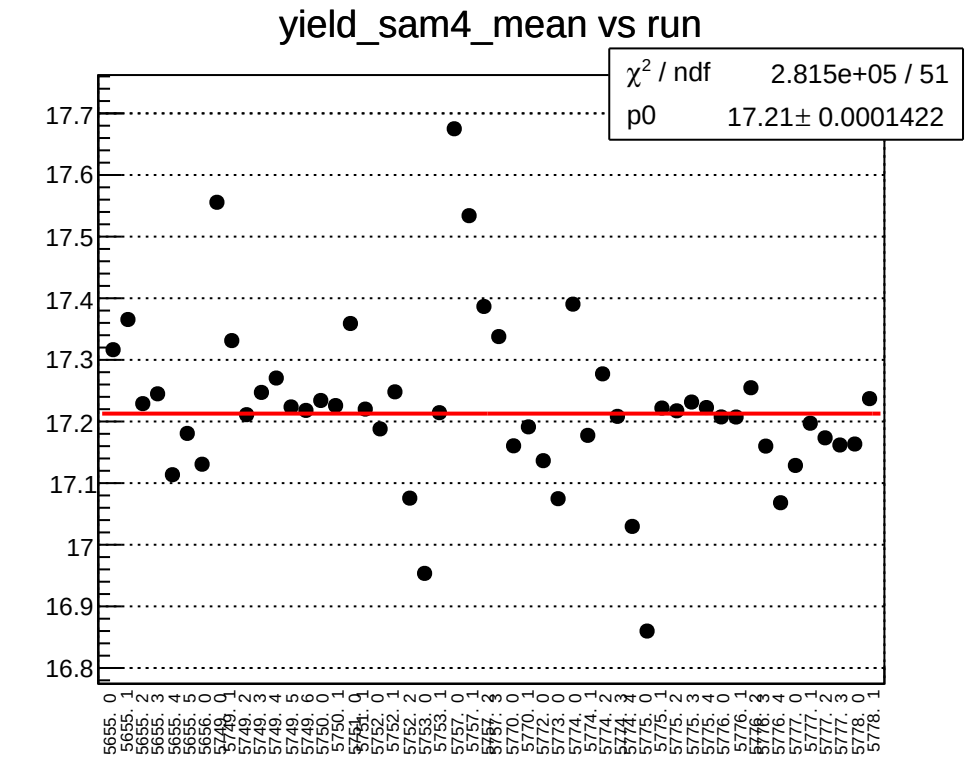
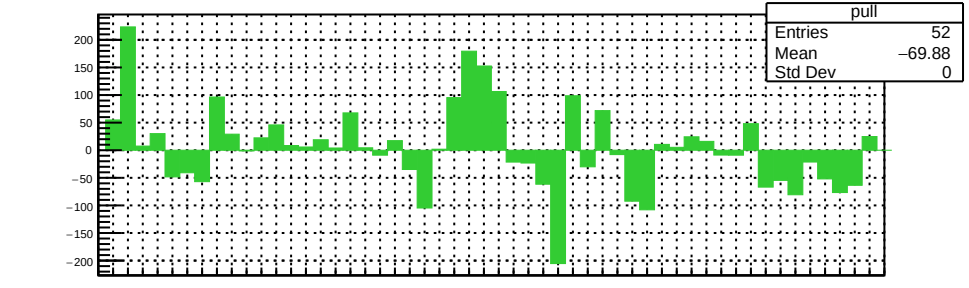
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

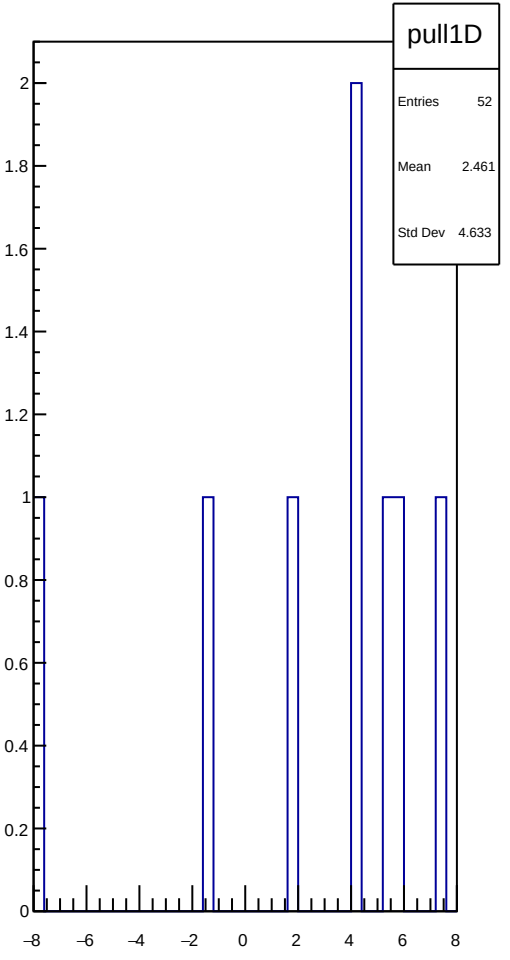

yield_sam3_mean vs run
χ² / ndf 2.76e+06 / 51
p0 32.48 ± 0.0001488
33
32.8
32.6
32.4
32.2
32
pull
Entries 52
Mean 152.9
Std Dev 0
500
400
300
200
100
0
−100
−200
−300

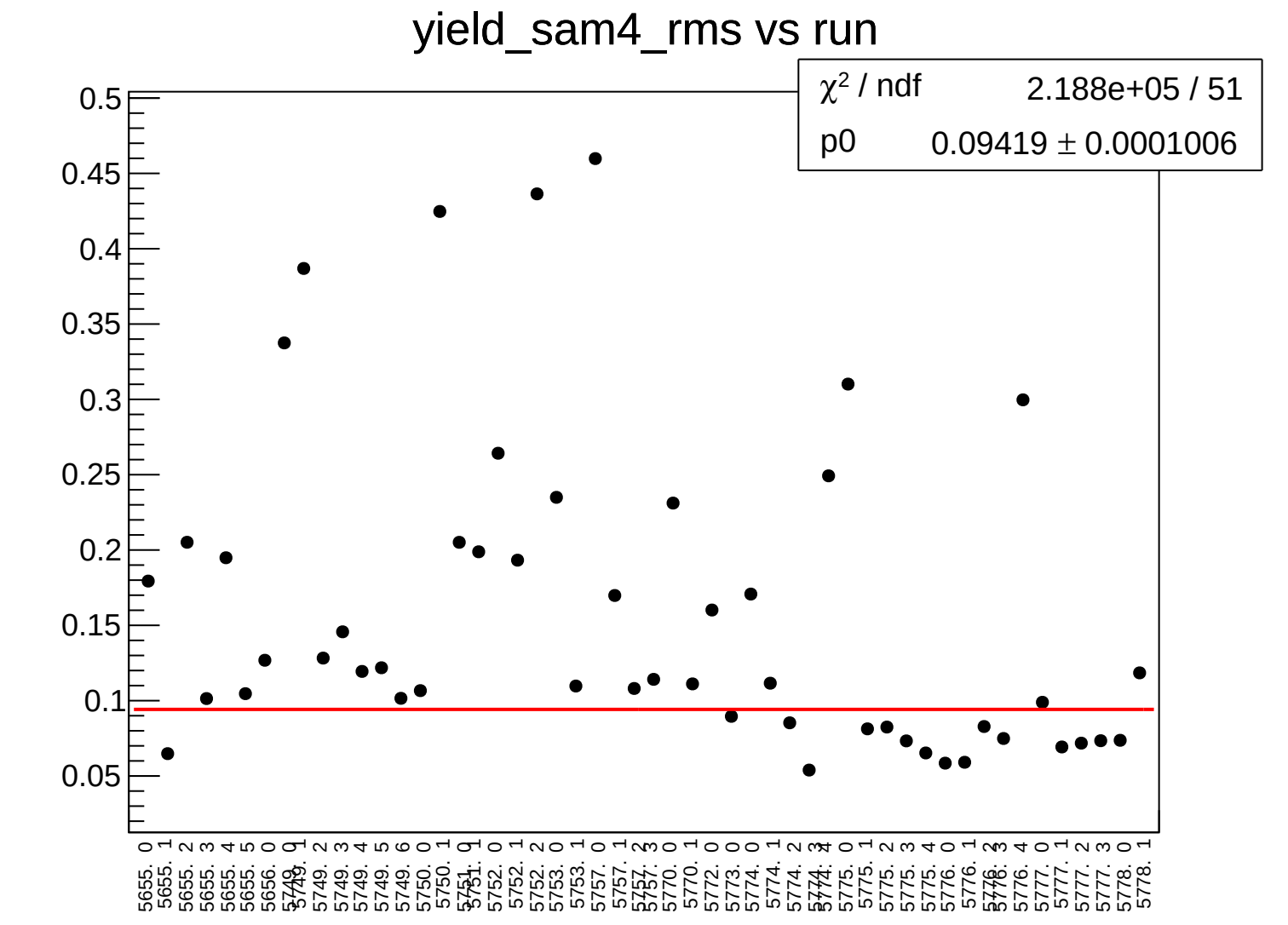

pull1D
Entries 52
Mean −0.511
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

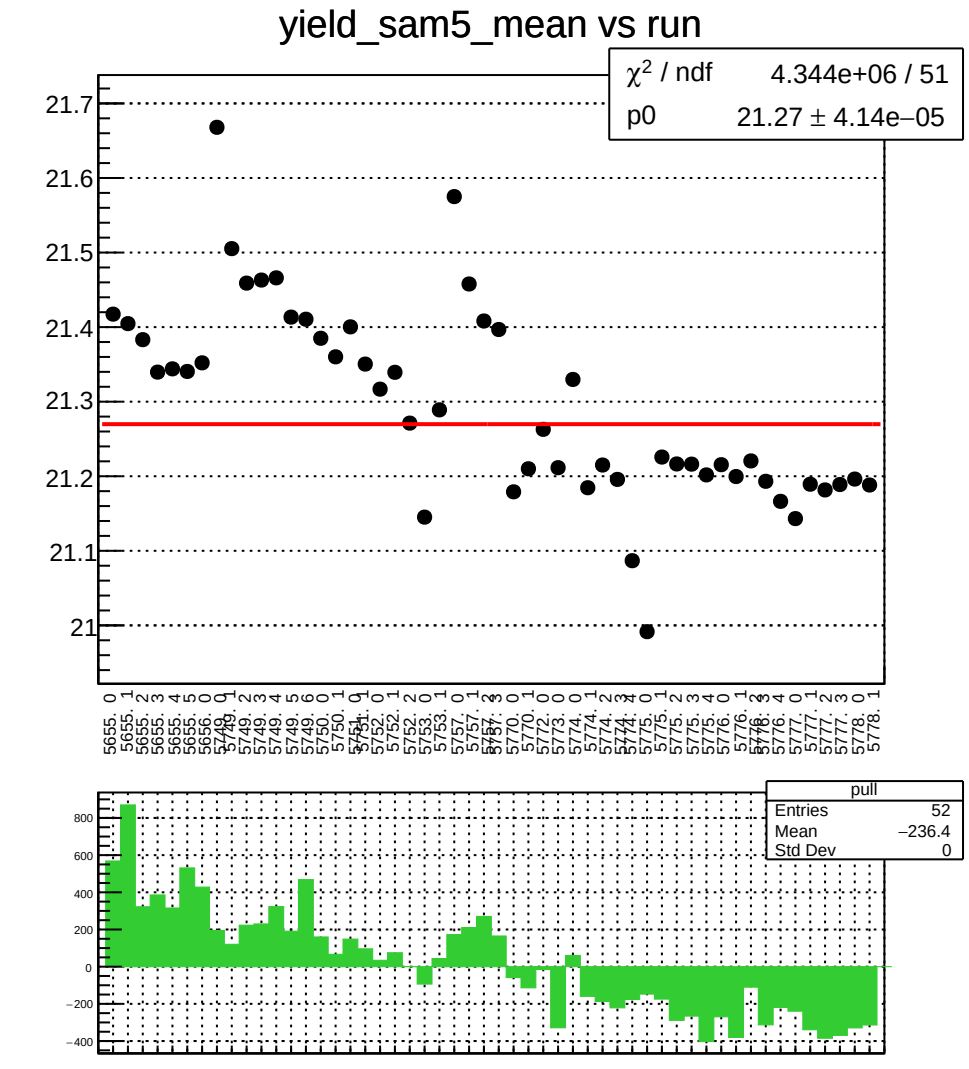

yield_sam3_rms vs run
χ2 / ndf 1.781e+05 / 51
p0 0.1008 ± 0.0001052
0.5
0.4
0.3
0.2
0.1
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

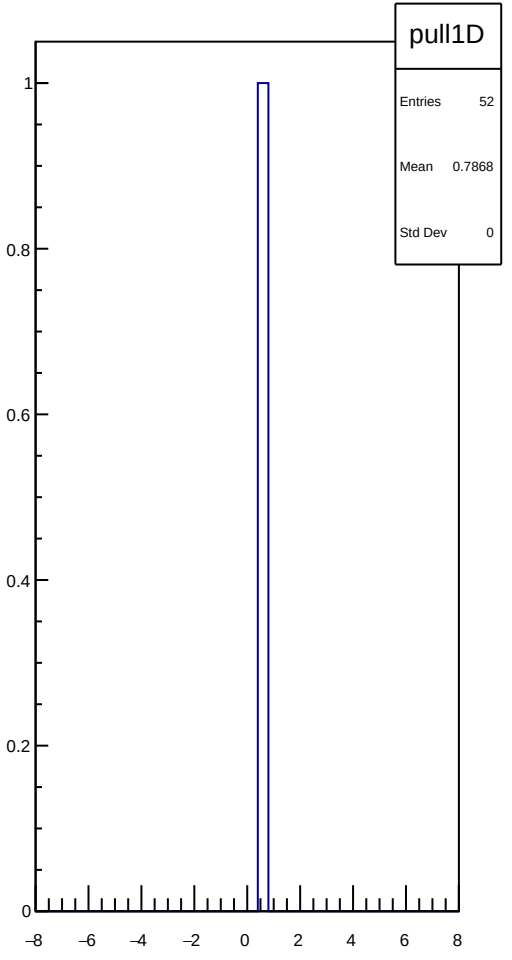

yield_sam4_mean vs run
χ² / ndf 2.815e+05 / 51
p0 17.21± 0.0001422
17.7
17.6
17.5
17.4
17.3
17.2
17.1
17
16.9
16.8

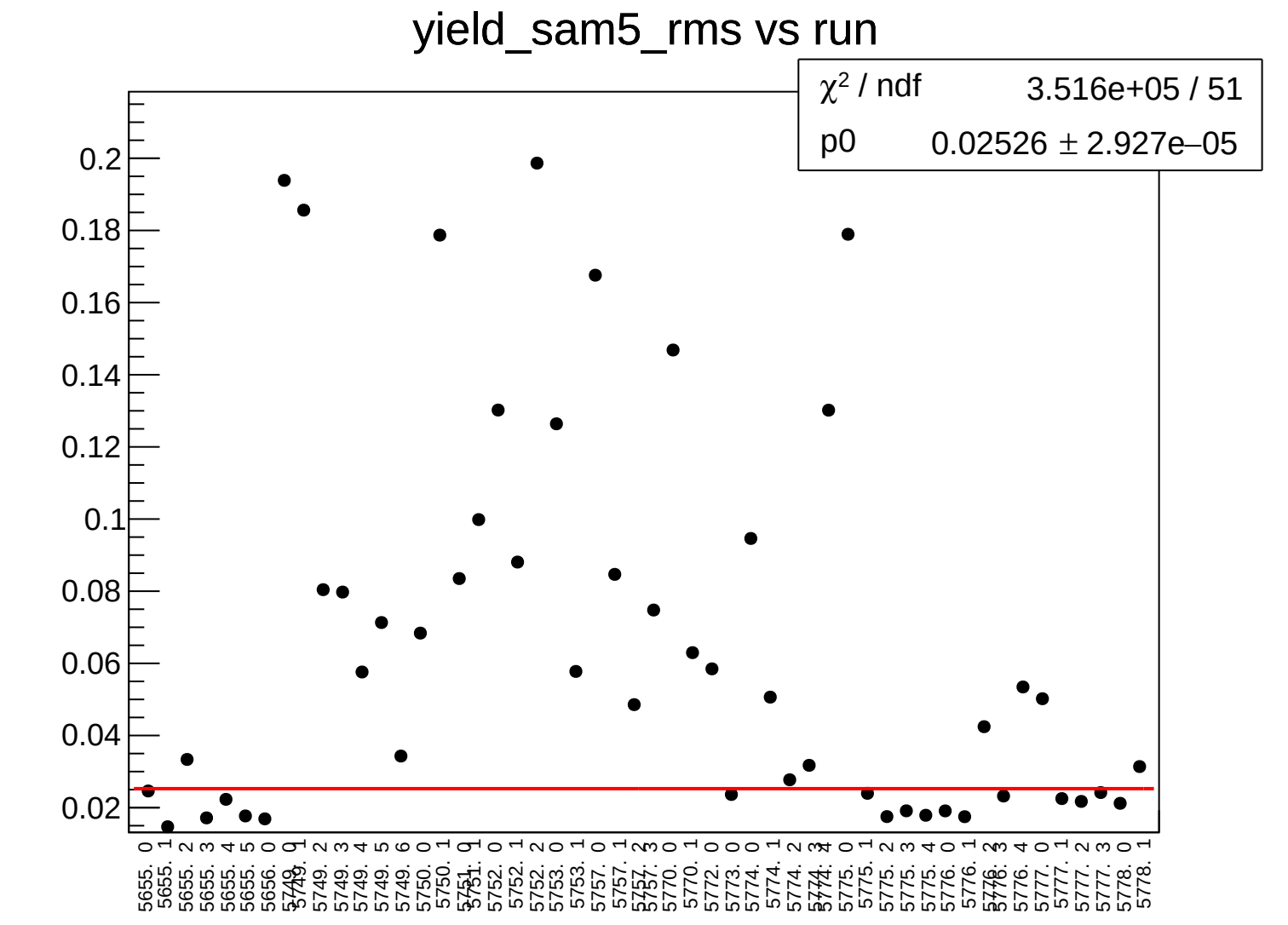

pull
Entries 52
Mean −69.88
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200

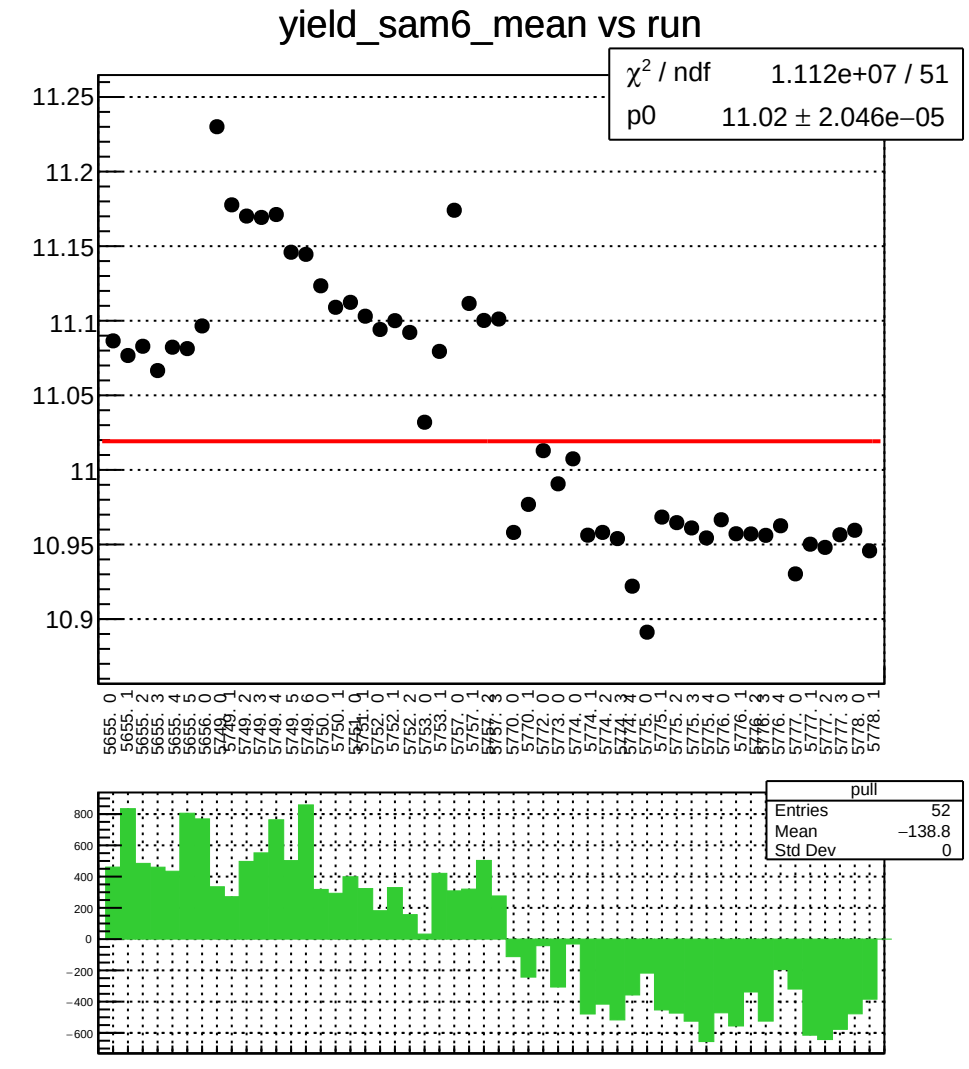

pull1D
Entries 52
Mean 2.461
Std Dev 4.633
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

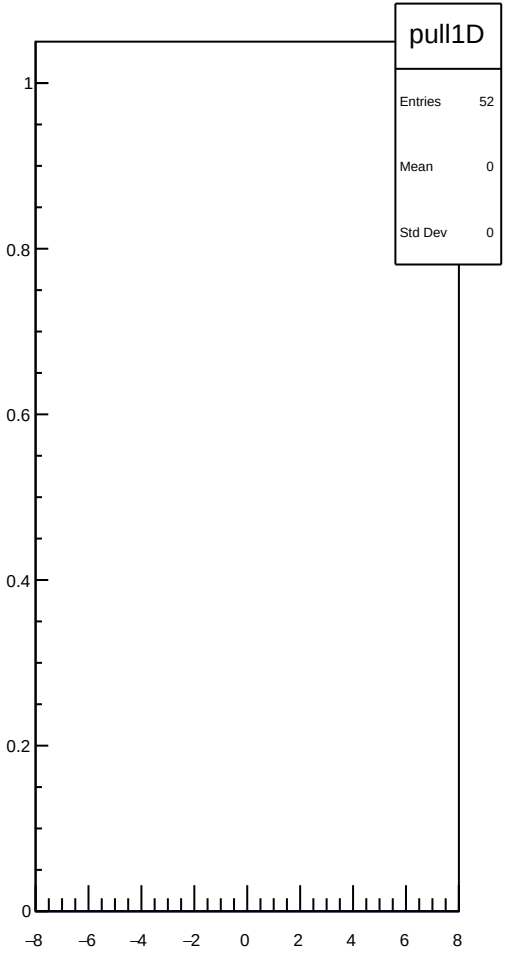

yield_sam4_rms vs run
χ² / ndf 2.188e+05 / 51
p0 0.09419 ± 0.0001006
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

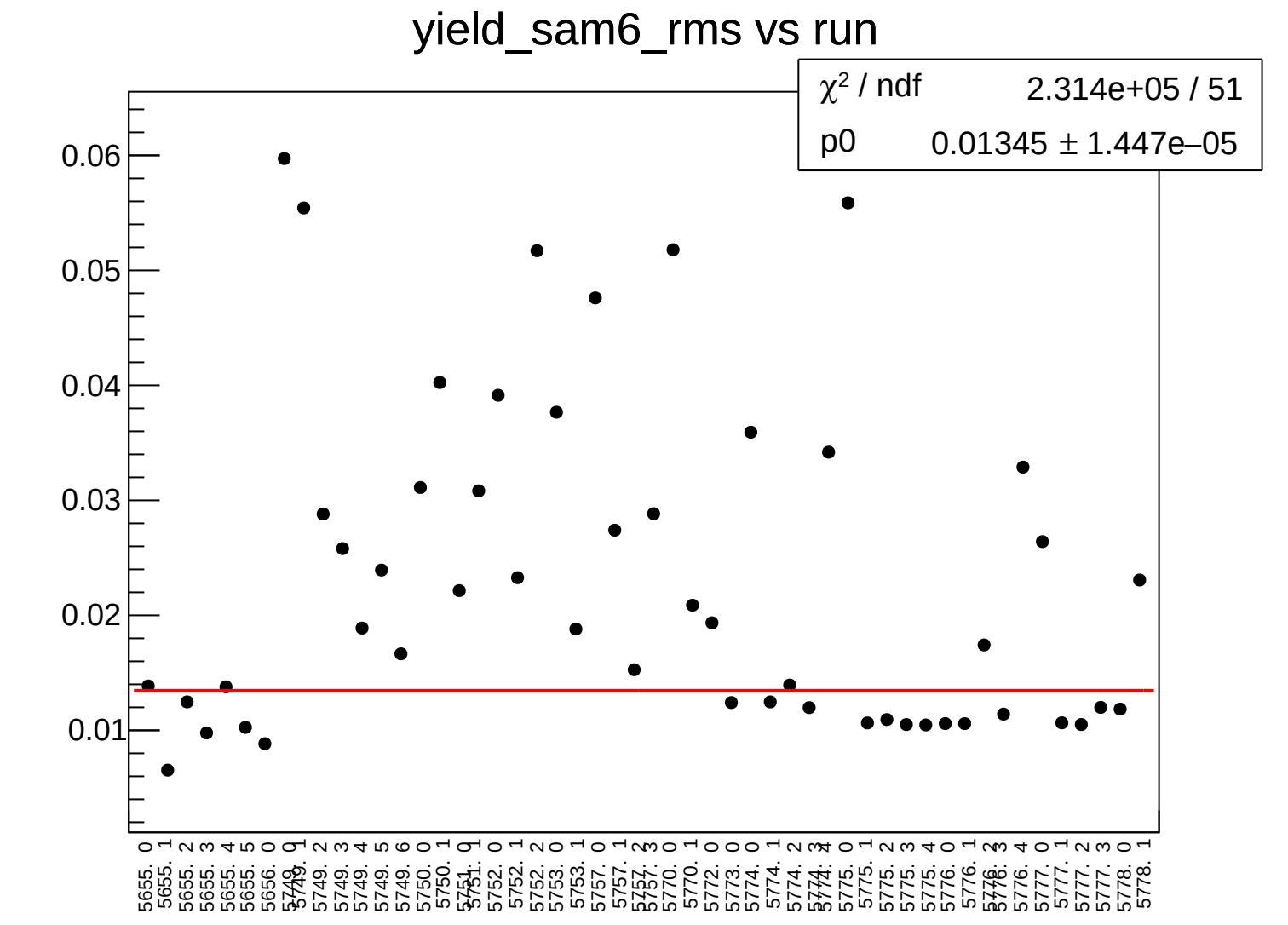

yield_sam5_mean vs run
χ² / ndf 4.344e+06 / 51
p0 21.27 ± 4.14e−05
21.7
21.6
21.5
21.4
21.3
21.2
21.1
21
pull
Entries 52
Mean −236.4
Std Dev 0
800
600
400
200
0
−200
−400

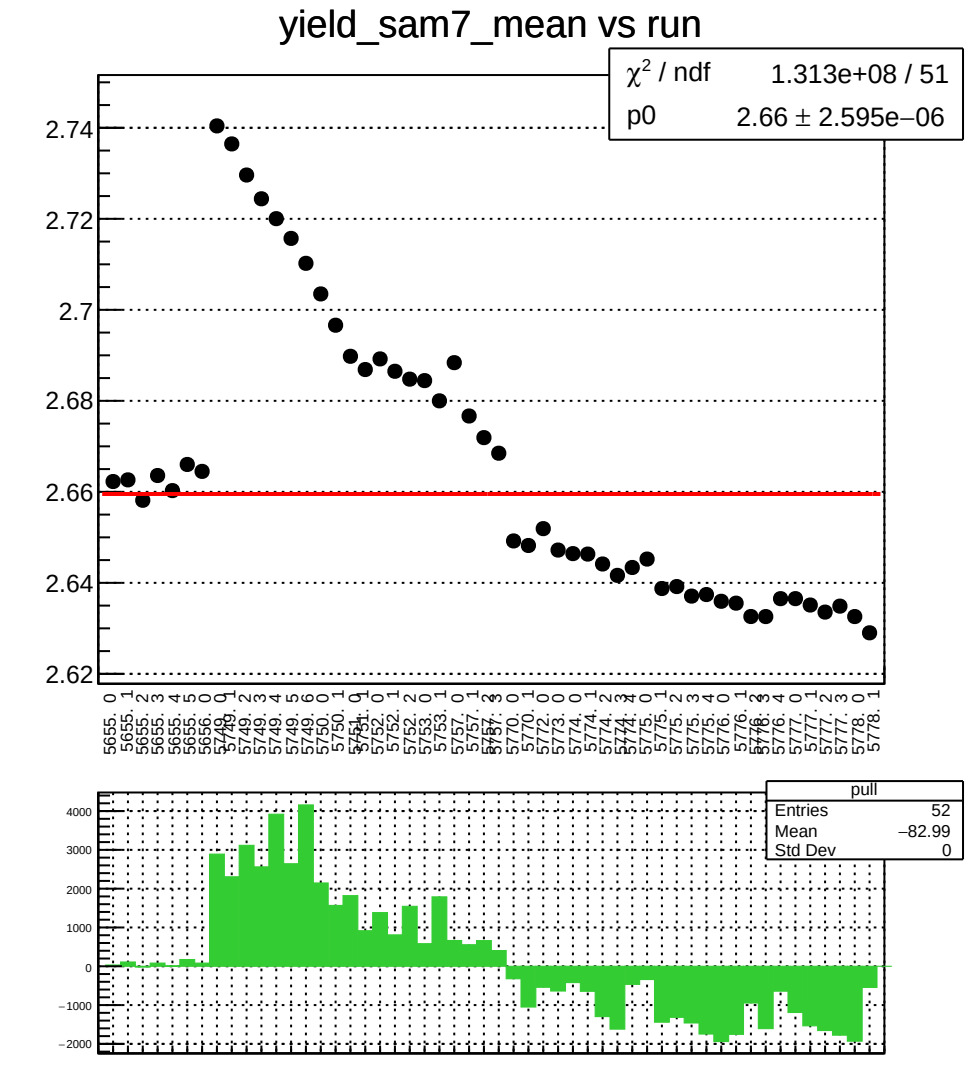

pull1D
Entries 52
Mean 0.7868
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

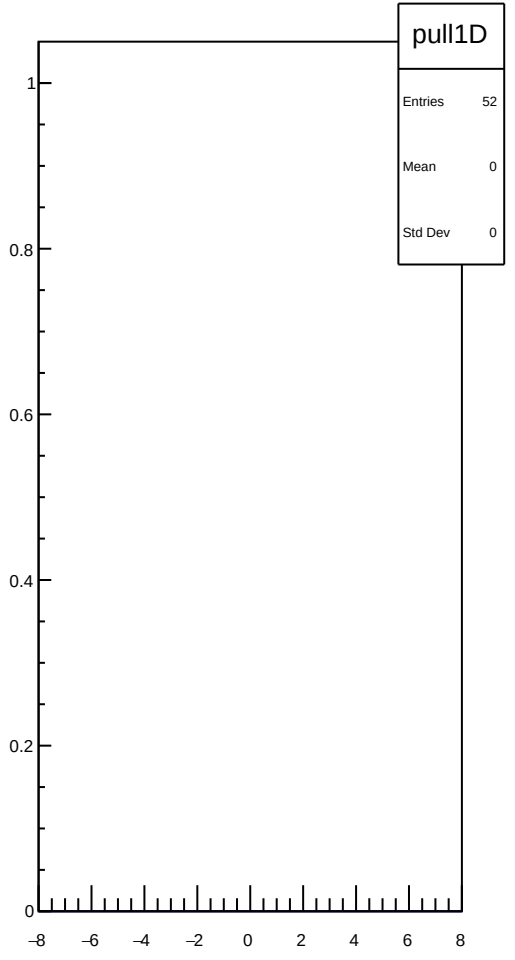

yield_sam5_rms vs run
χ² / ndf 3.516e+05 / 51
p0 0.02526 ± 2.927e−05
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

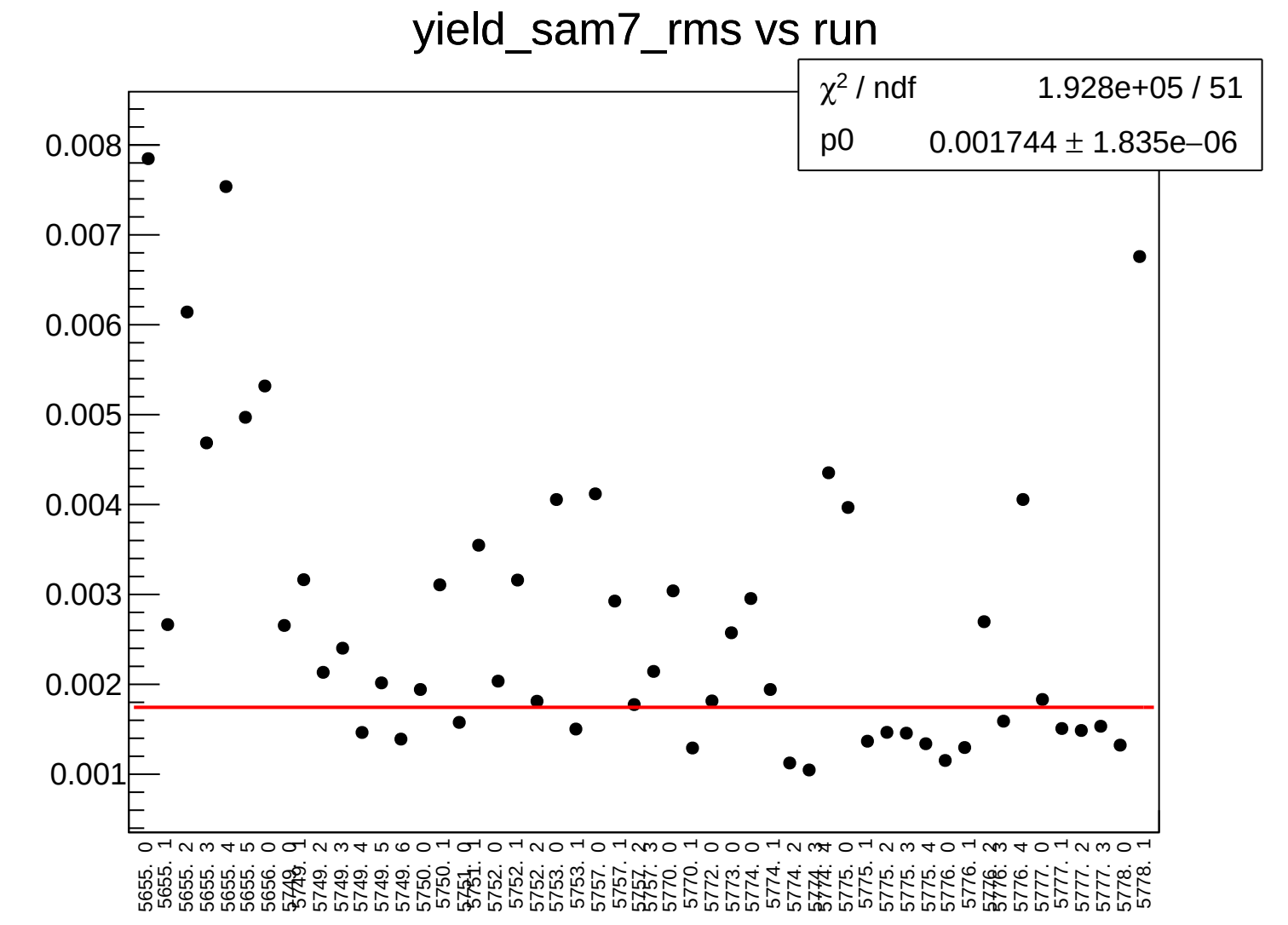

yield_sam6_mean vs run
χ² / ndf 1.112e+07 / 51
p0 11.02 ± 2.046e−05
11.25
11.2
11.15
11.1
11.05
11
10.95
10.9
pull
Entries 52
Mean −138.8
Std Dev 0
800
600
400
200
0
−200
−400
−600

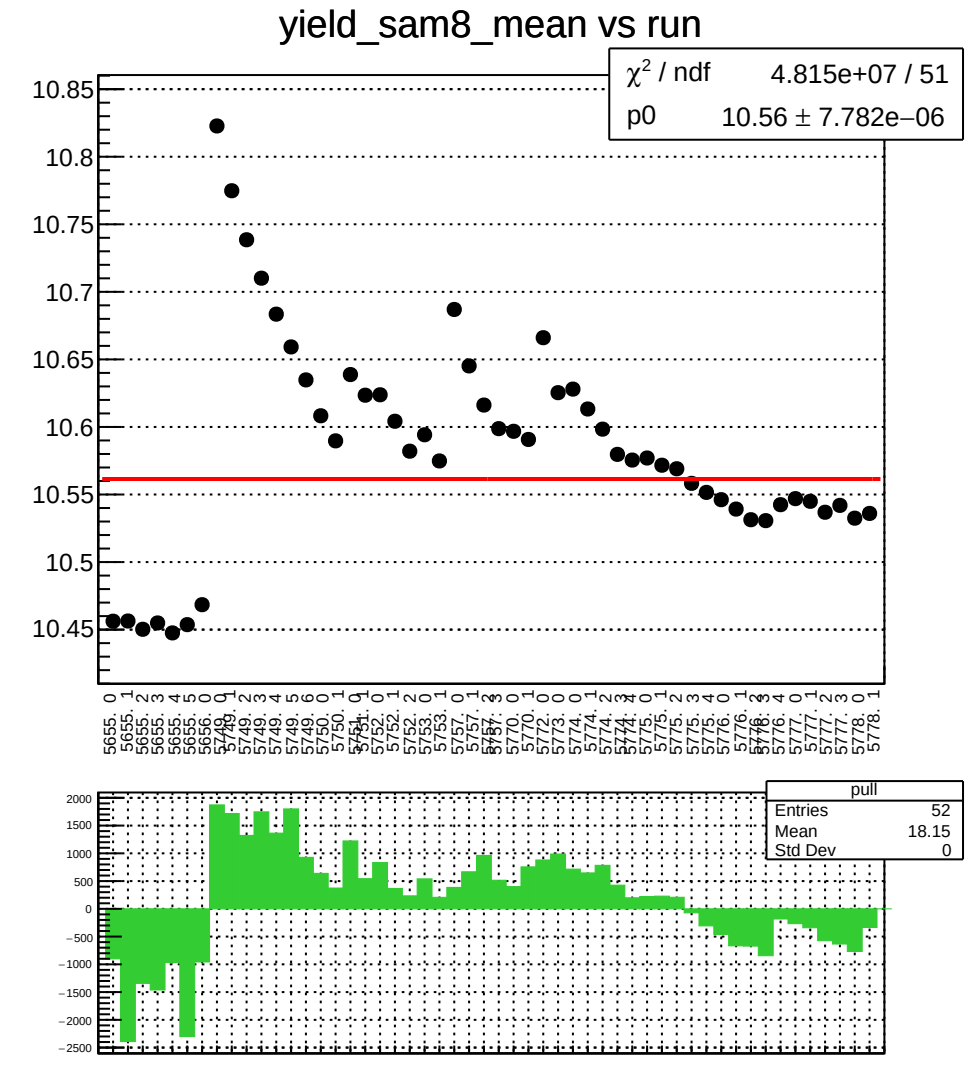

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

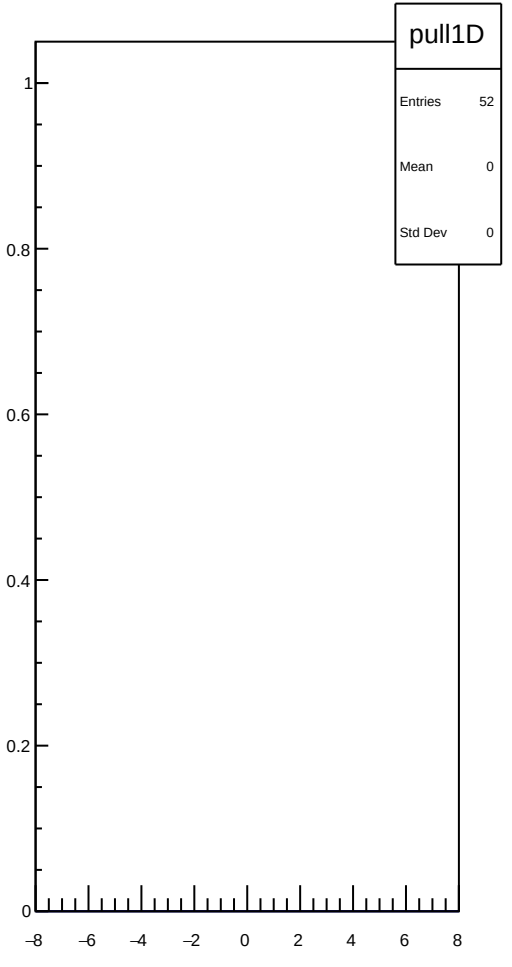

yield_sam6_rms vs run
χ² / ndf 2.314e+05 / 51
p0 0.01345 ± 1.447e−05
0.06
0.05
0.04
0.03
0.02
0.01
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

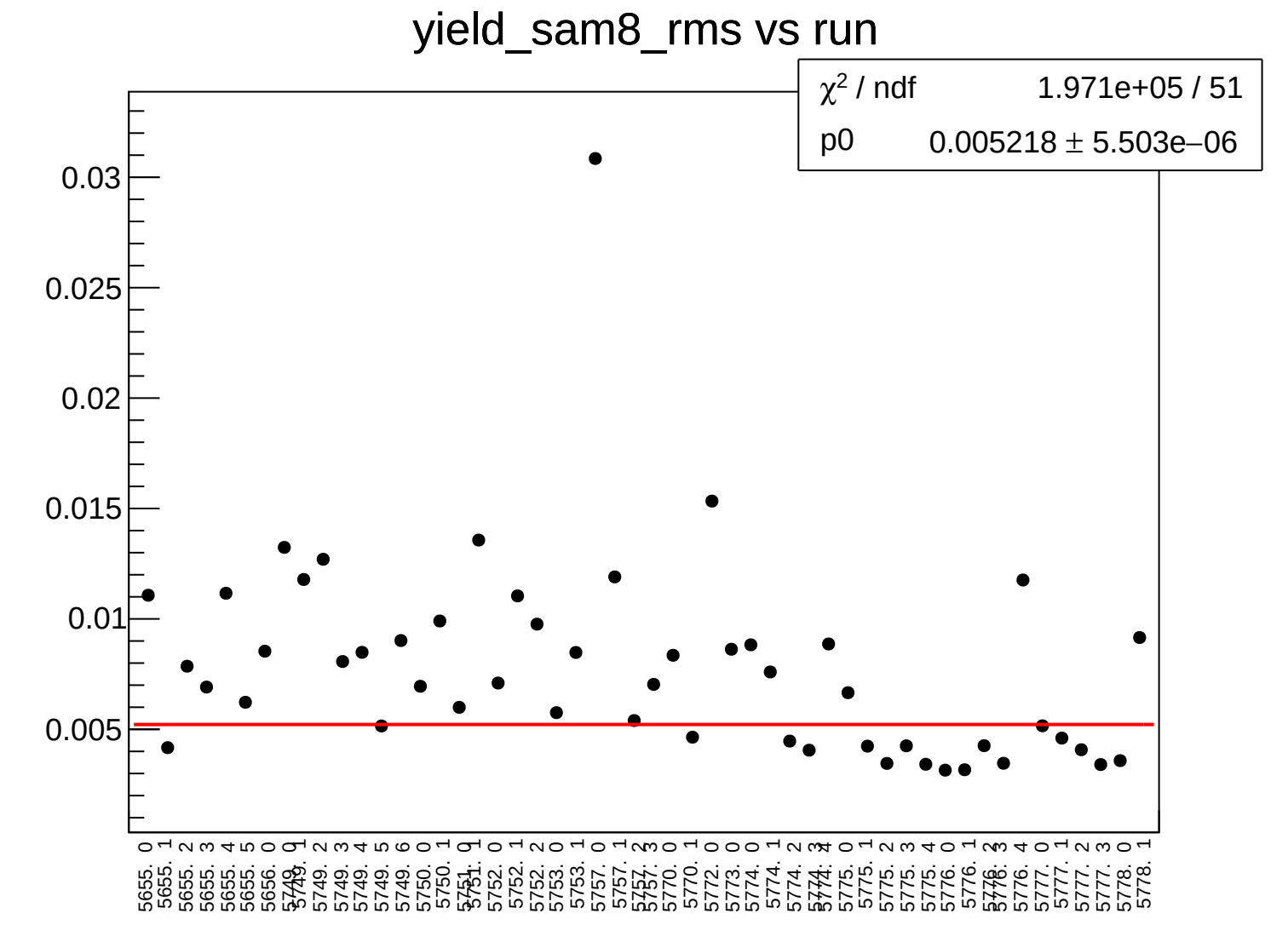

yield_sam7_mean vs run
χ² / ndf 1.313e+08 / 51
p0 2.66 ± 2.595e−06
2.74
2.72
2.7
2.68
2.66
2.64
2.62
pull
Entries 52
Mean −82.99
Std Dev 0
4000
3000
2000
1000
0
−1000
−2000

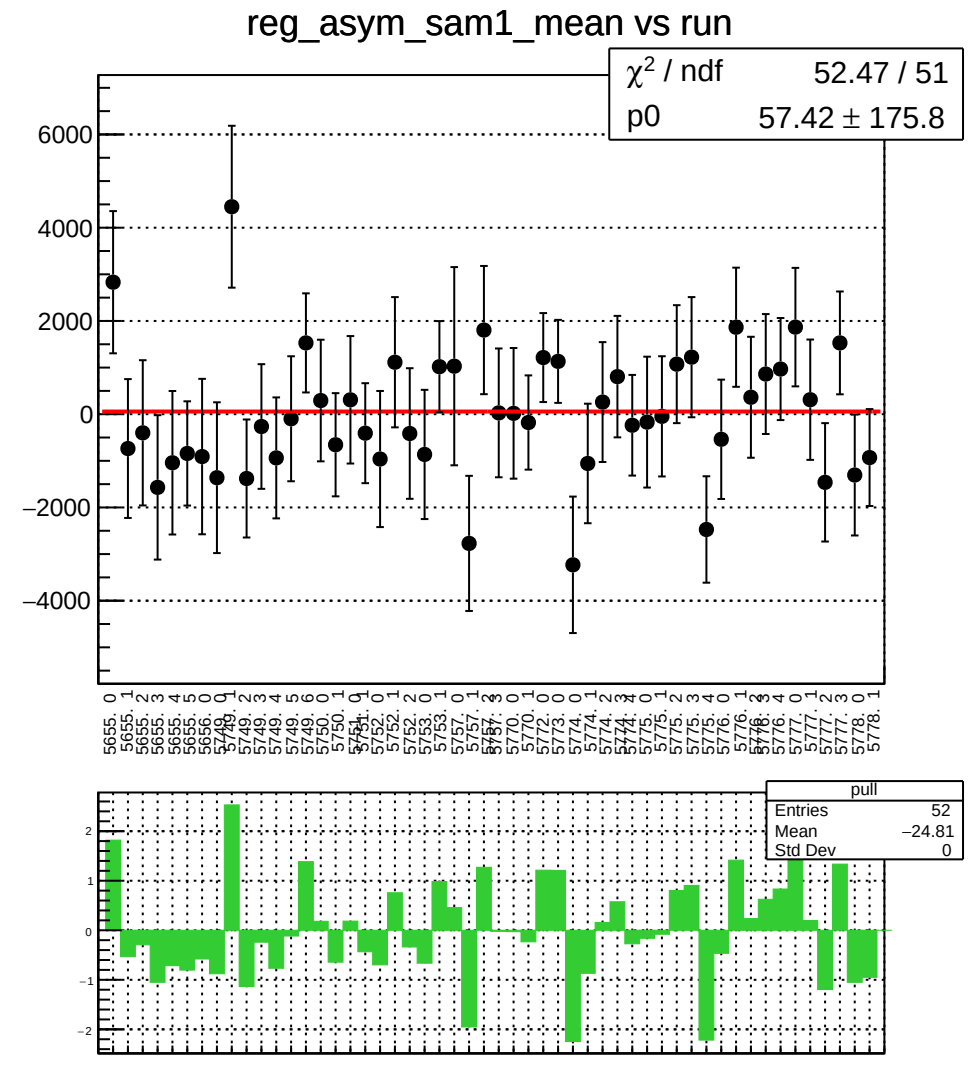

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

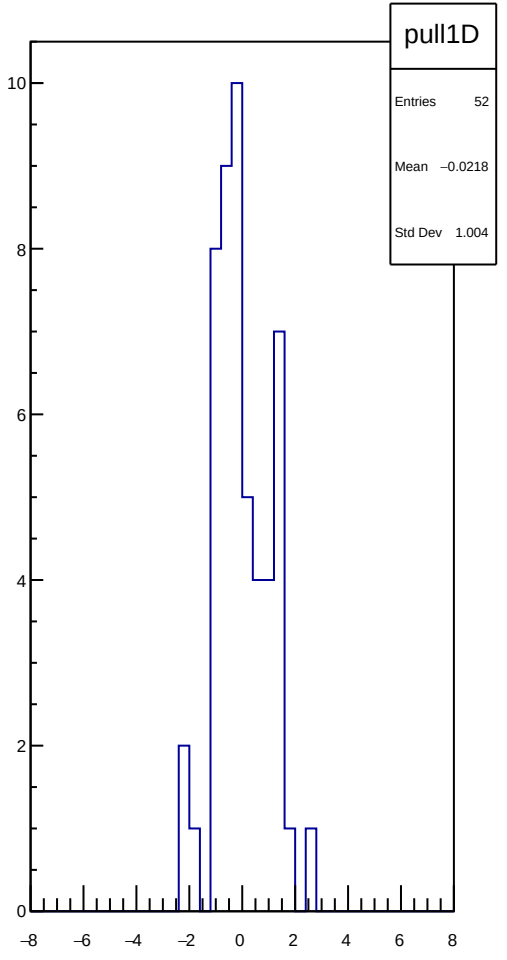

yield_sam7_rms vs run
χ² / ndf 1.928e+05 / 51
p0 0.001744 ± 1.835e−06
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

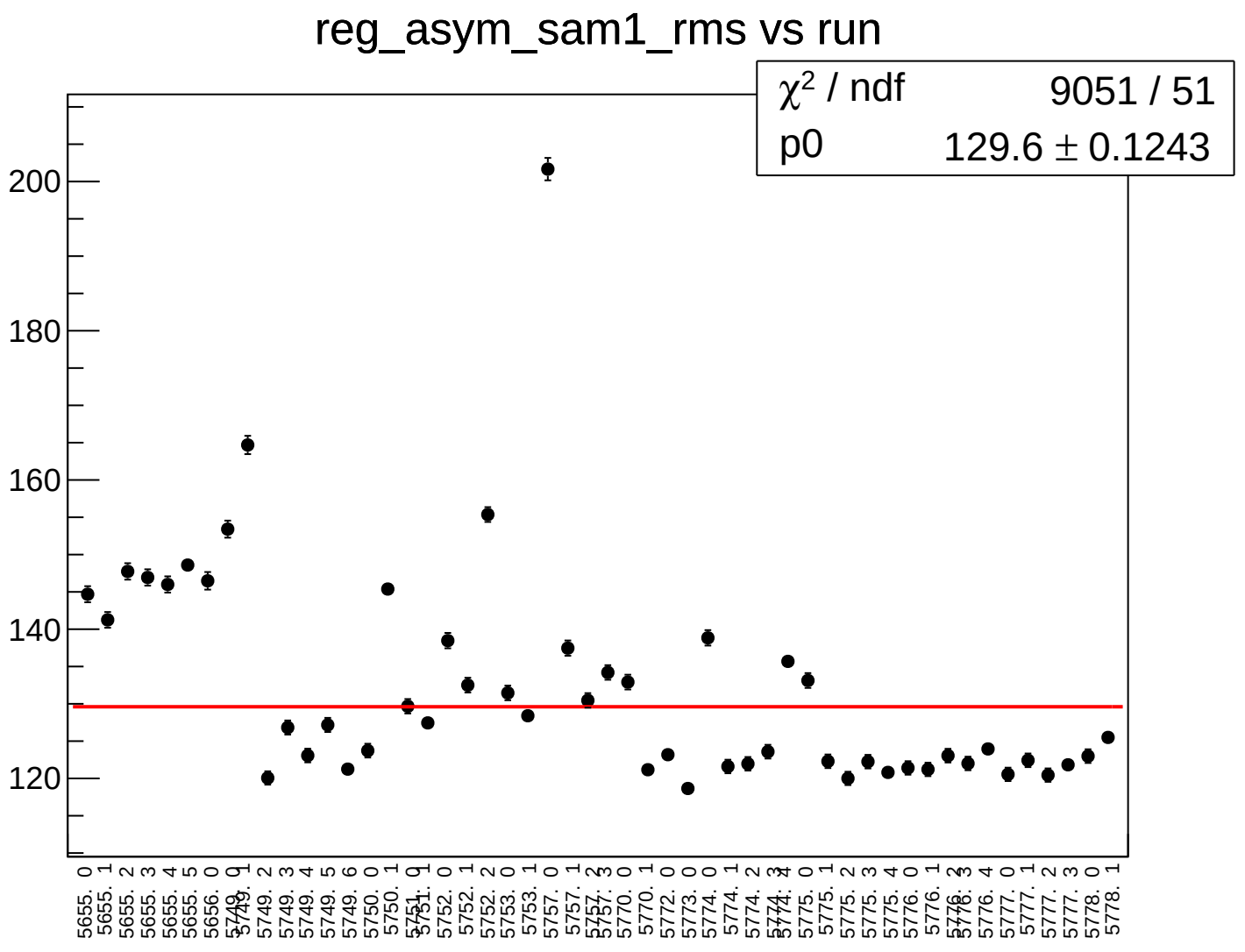

yield_sam8_mean vs run
χ² / ndf 4.815e+07 / 51
p0 10.56 ± 7.782e−06
10.85
10.8
10.75
10.7
10.65
10.6
10.55
10.5
10.45
pull
Entries 52
Mean 18.15
Std Dev 0
2000
1500
1000
500
0
−500
−1000
−1500
−2000
−2500

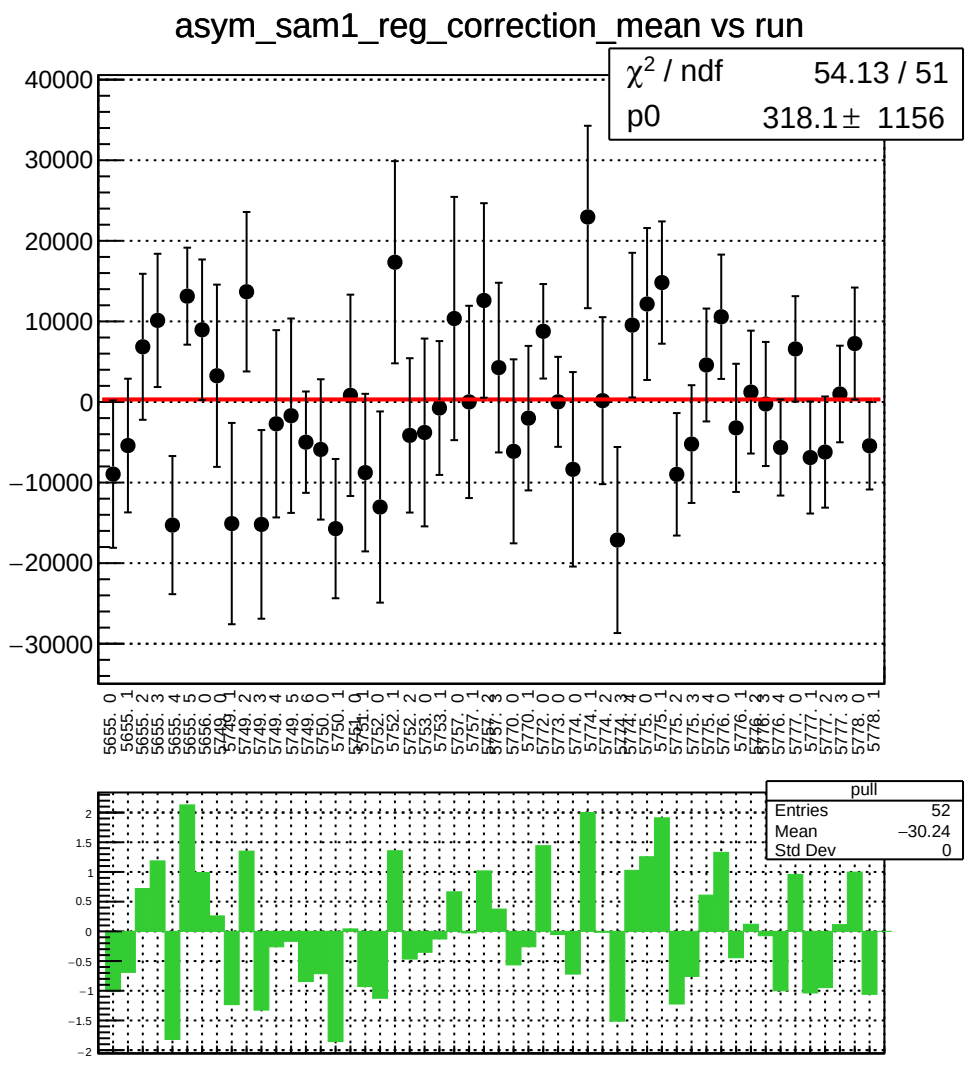

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

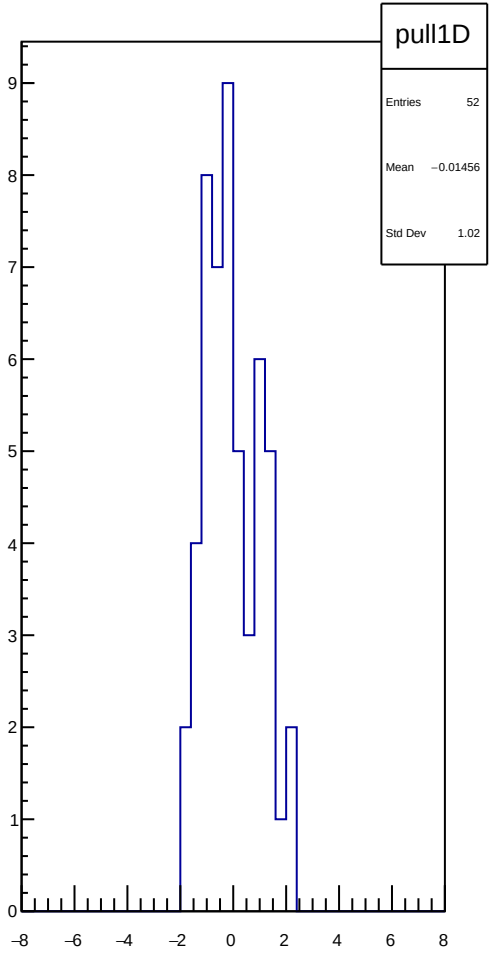

yield_sam8_rms vs run
χ² / ndf 1.971e+05 / 51
p0 0.005218 ± 5.503e−06
0.03
0.025
0.02
0.015
0.01
0.005
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

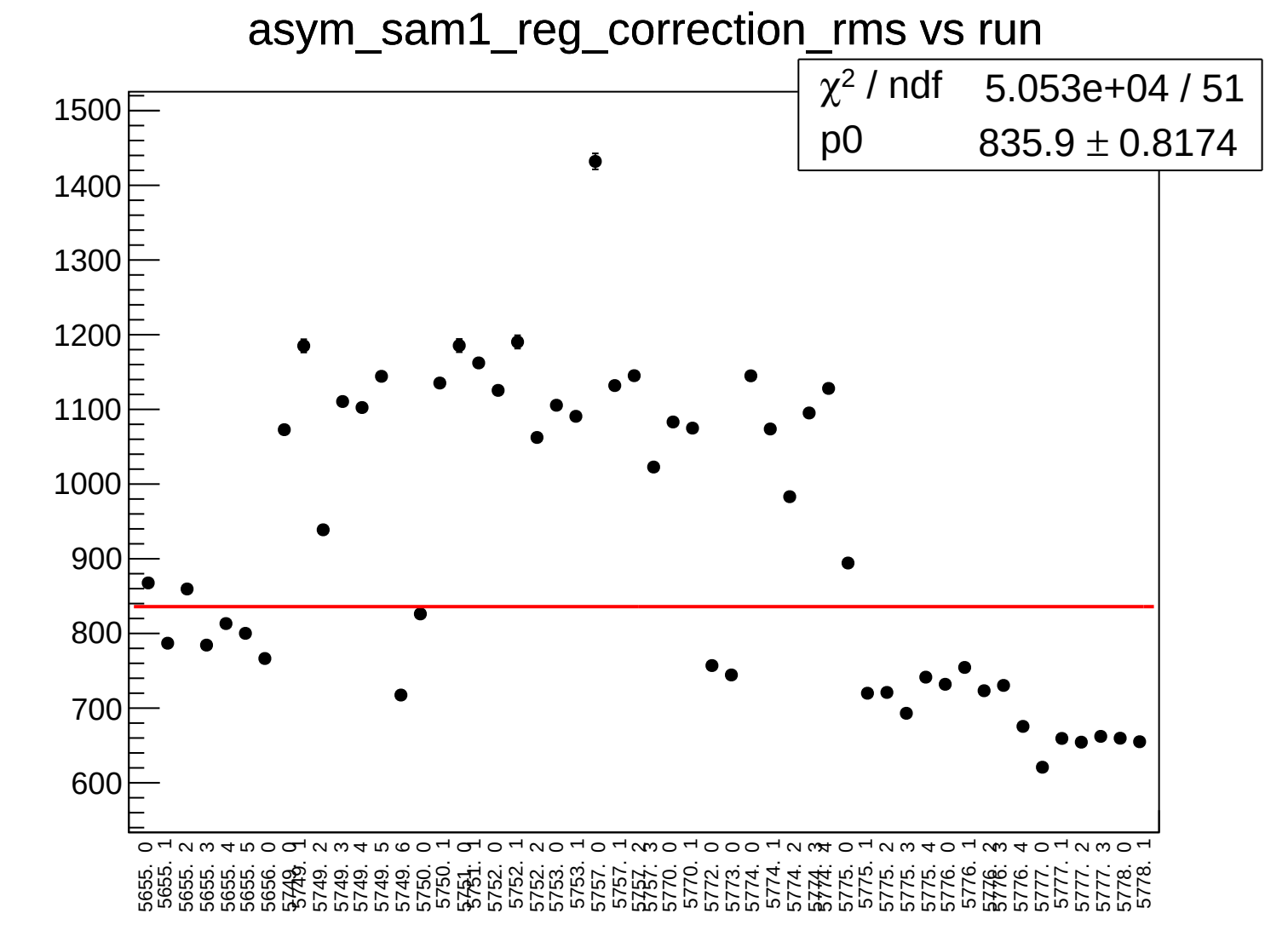

reg_asym_sam1_mean vs run
χ² / ndf 52.47 / 51
p0 57.42 ± 175.8
6000
4000
2000
0
−2000
−4000
pull
Entries 52
Mean −24.81
Std Dev 0
2
1
0
−1
−2

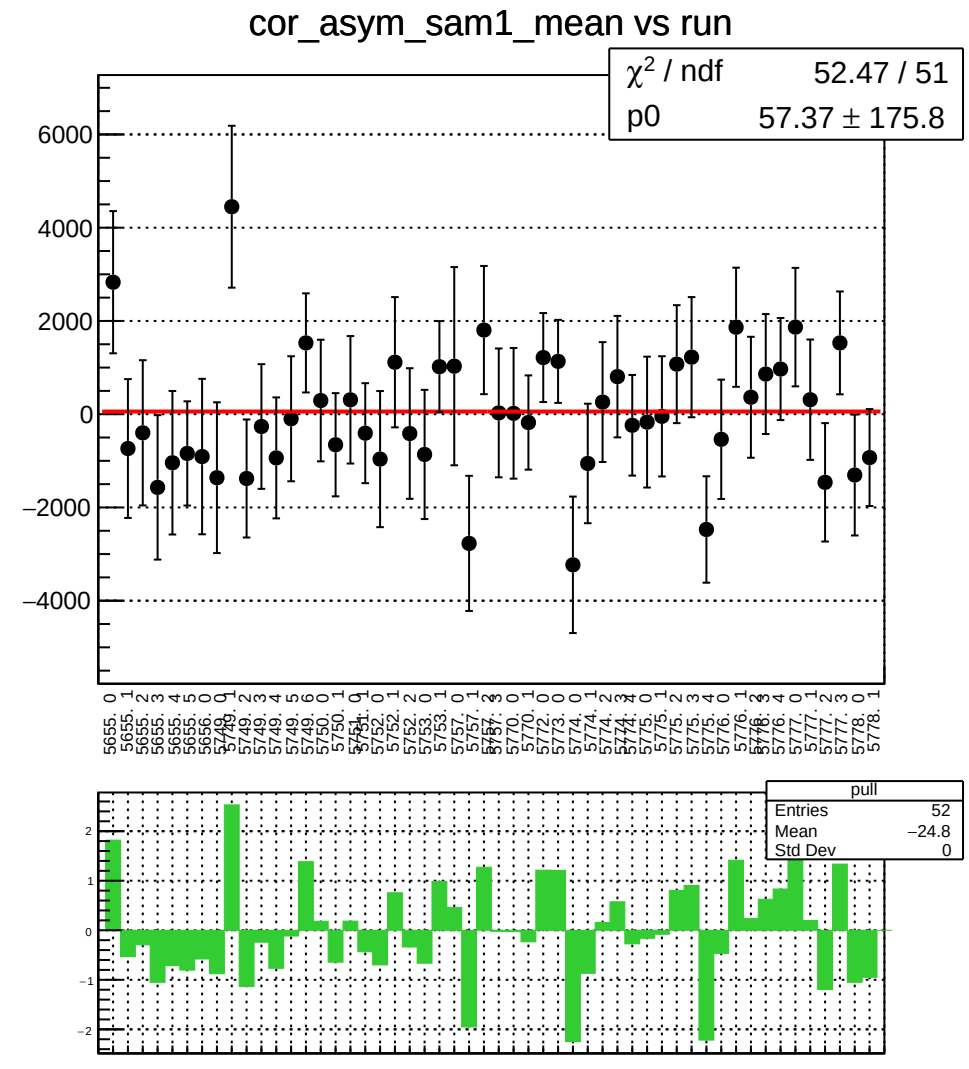

pull1D
Entries 52
Mean −0.0218
Std Dev 1.004
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

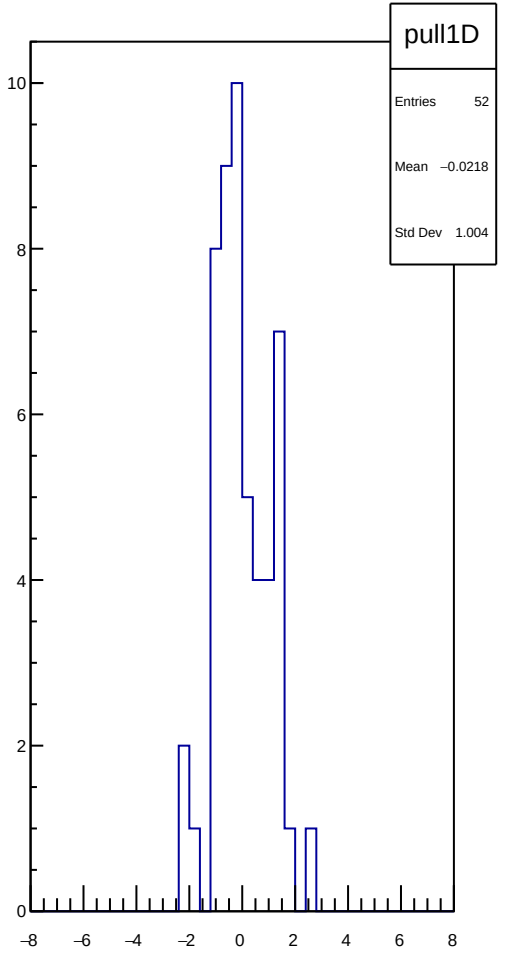

reg_asym_sam1_rms vs run
χ^2 / ndf 9051 / 51
p0 129.6 ± 0.1243
200
180
160
140
120
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

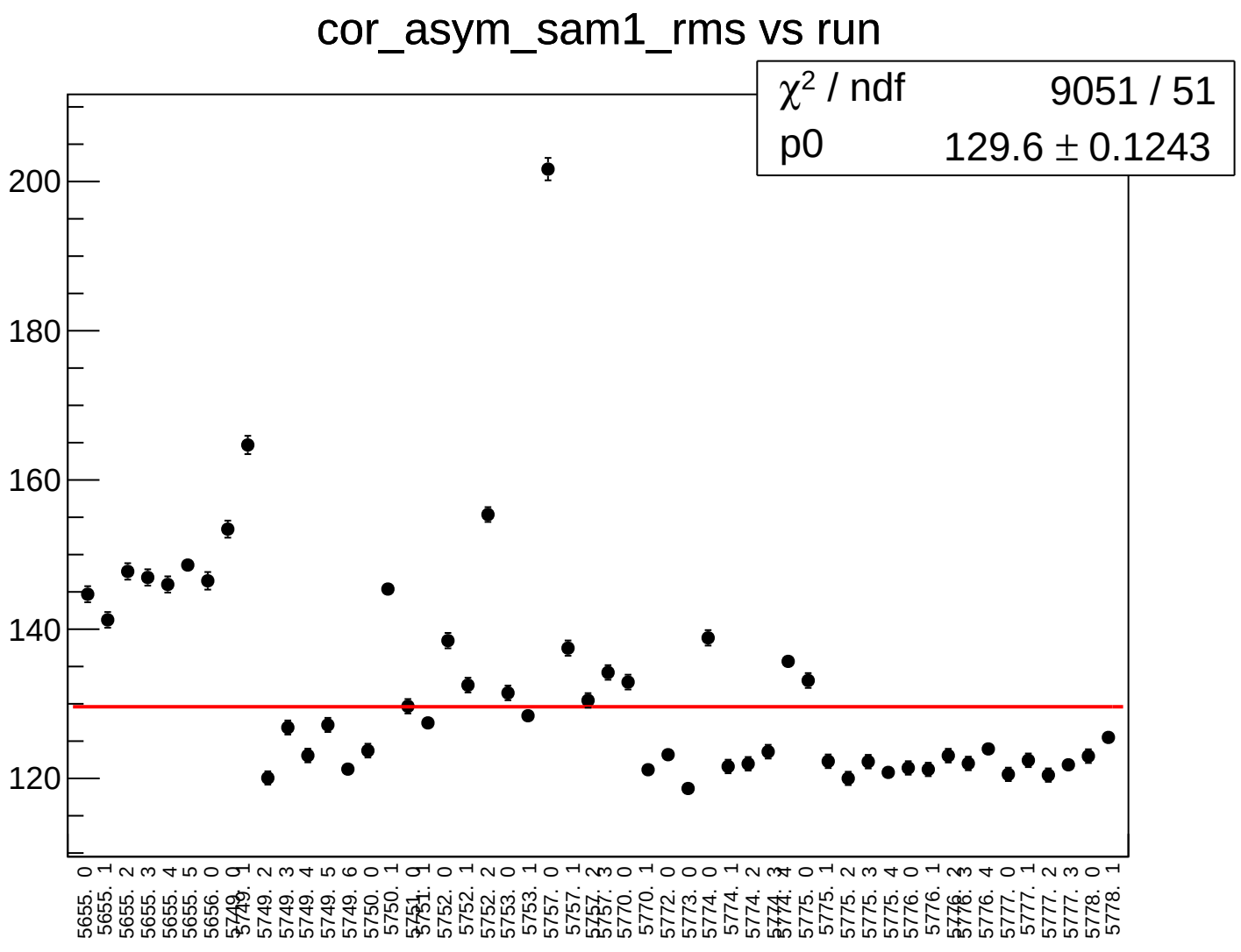

asym_sam1_reg_correction_mean vs run
χ² / ndf 54.13 / 51
p0 318.1 ± 1156
pull
Entries 52
Mean −30.24
Std Dev 0

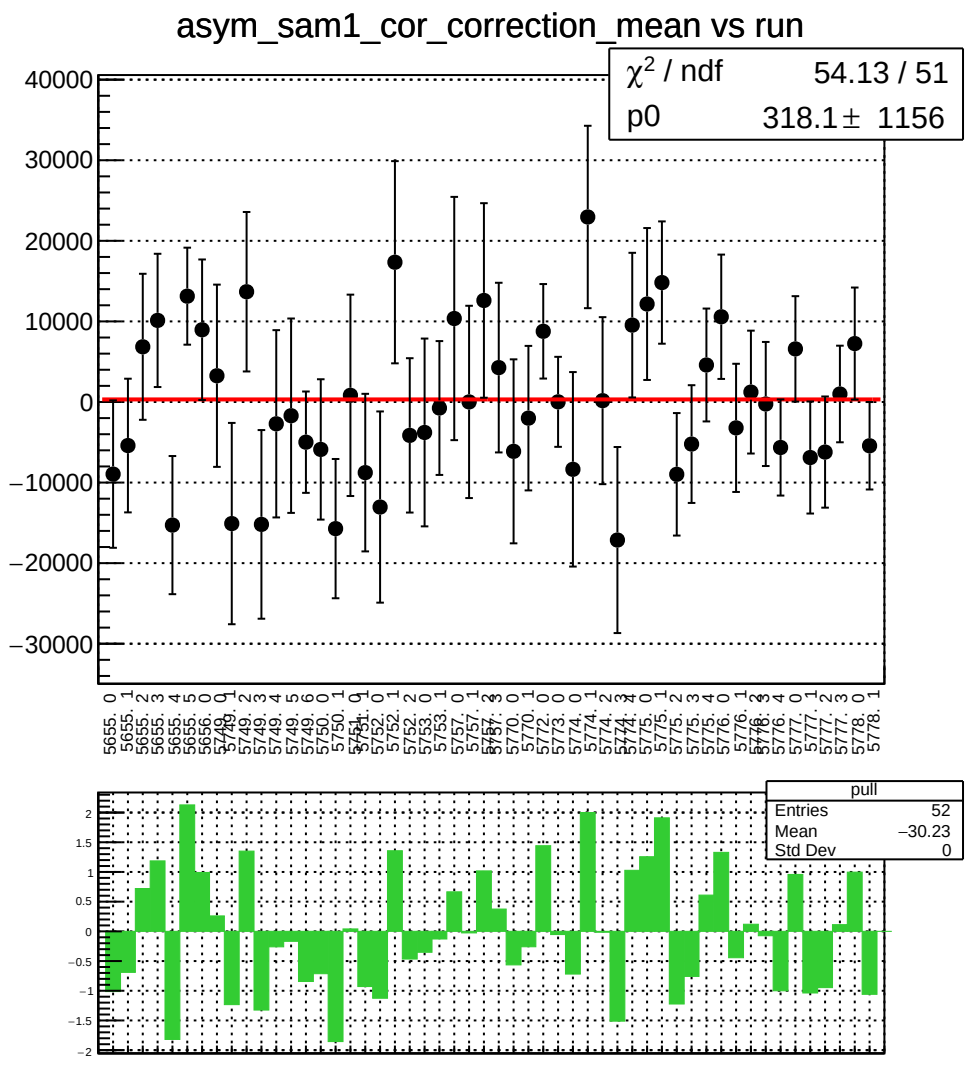

pull1D
Entries 52
Mean −0.01456
Std Dev 1.02

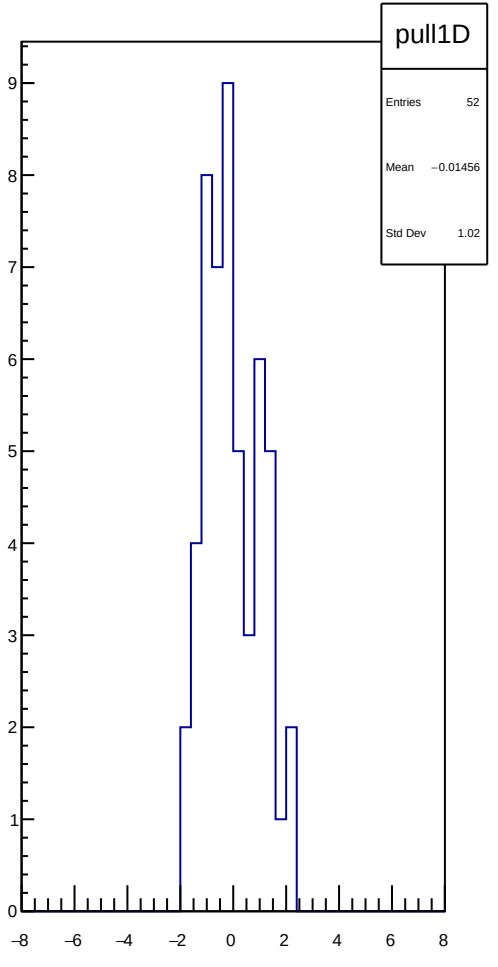

asym_sam1_reg_correction_rms vs run
χ² / ndf 5.053e+04 / 51
p0 835.9 ± 0.8174
1500
1400
1300
1200
1100
1000
900
800
700
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

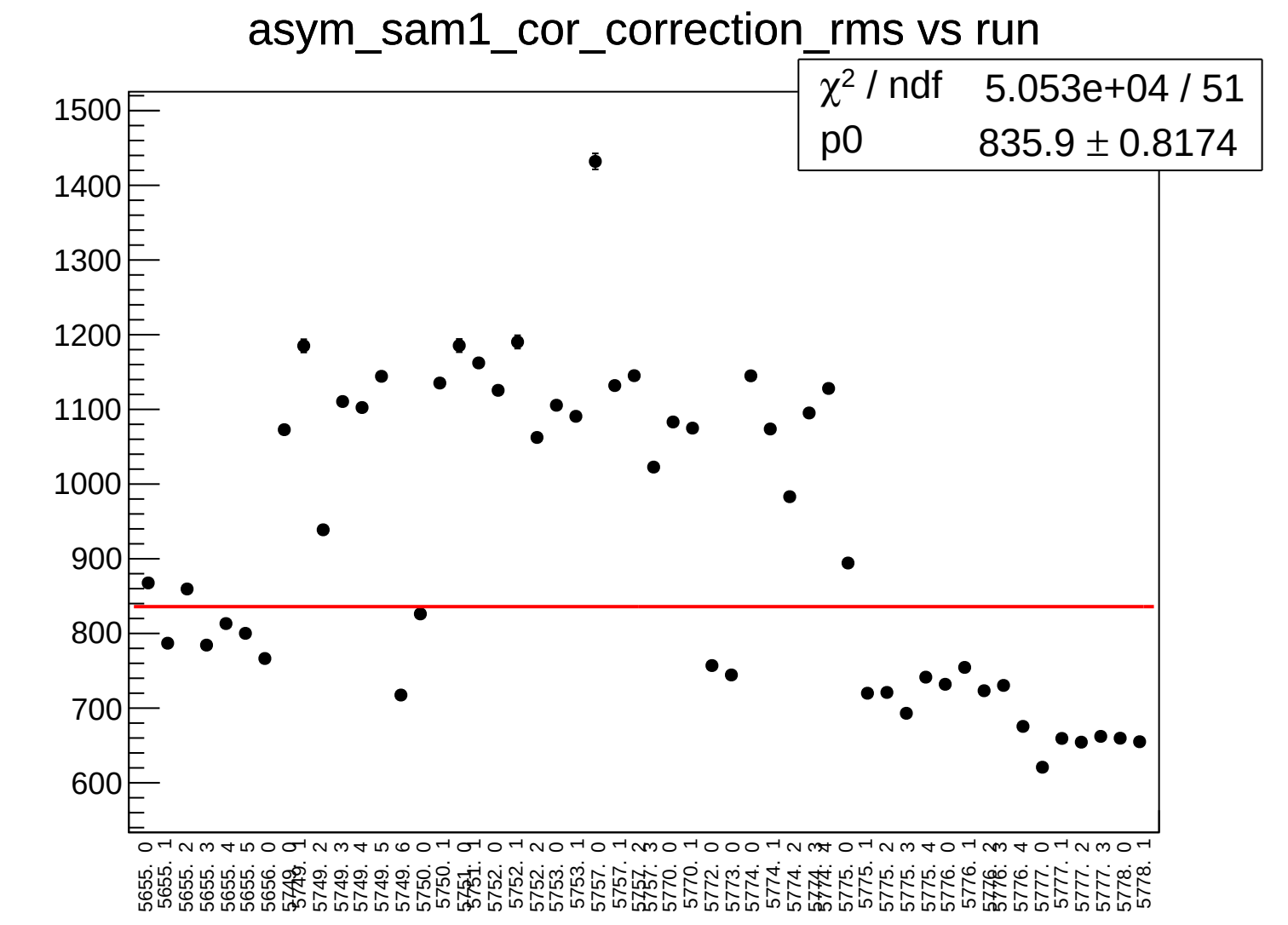

cor_asym_sam1_mean vs run
χ² / ndf 52.47 / 51
p0 57.37 ± 175.8
6000
4000
2000
0
−2000
−4000
pull
Entries 52
Mean −24.8
Std Dev 0
2
1
0
−1
−2

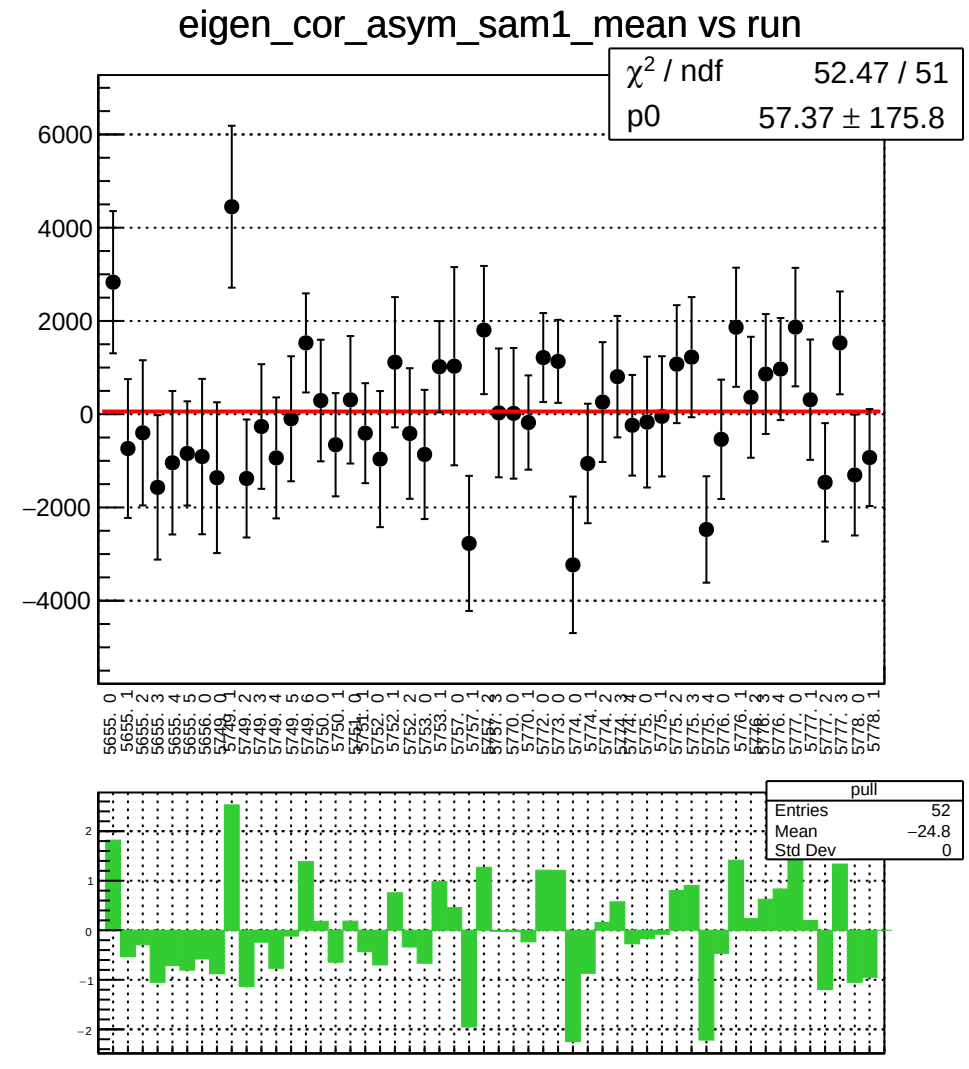

pull1D
Entries 52
Mean −0.0218
Std Dev 1.004
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

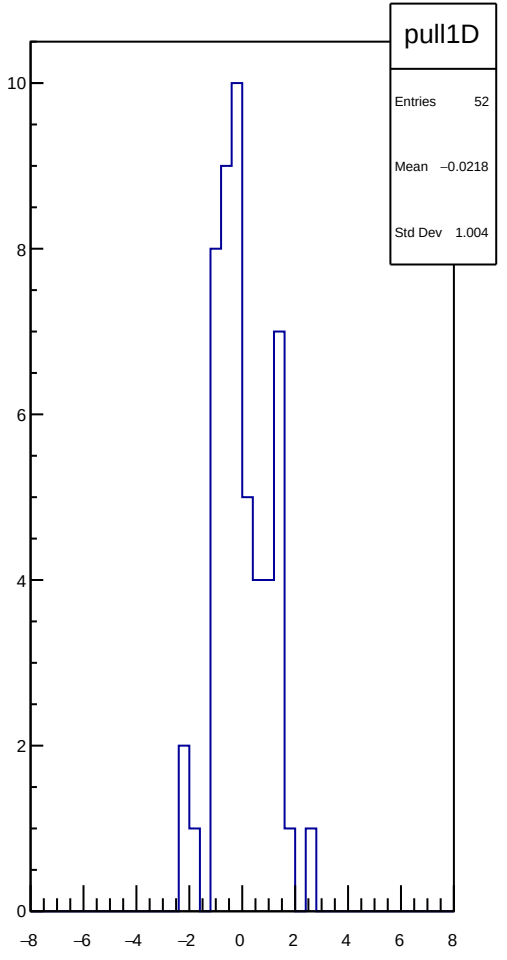

cor_asym_sam1_rms vs run
χ² / ndf 9051 / 51
p0 129.6 ± 0.1243
200
180
160
140
120
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

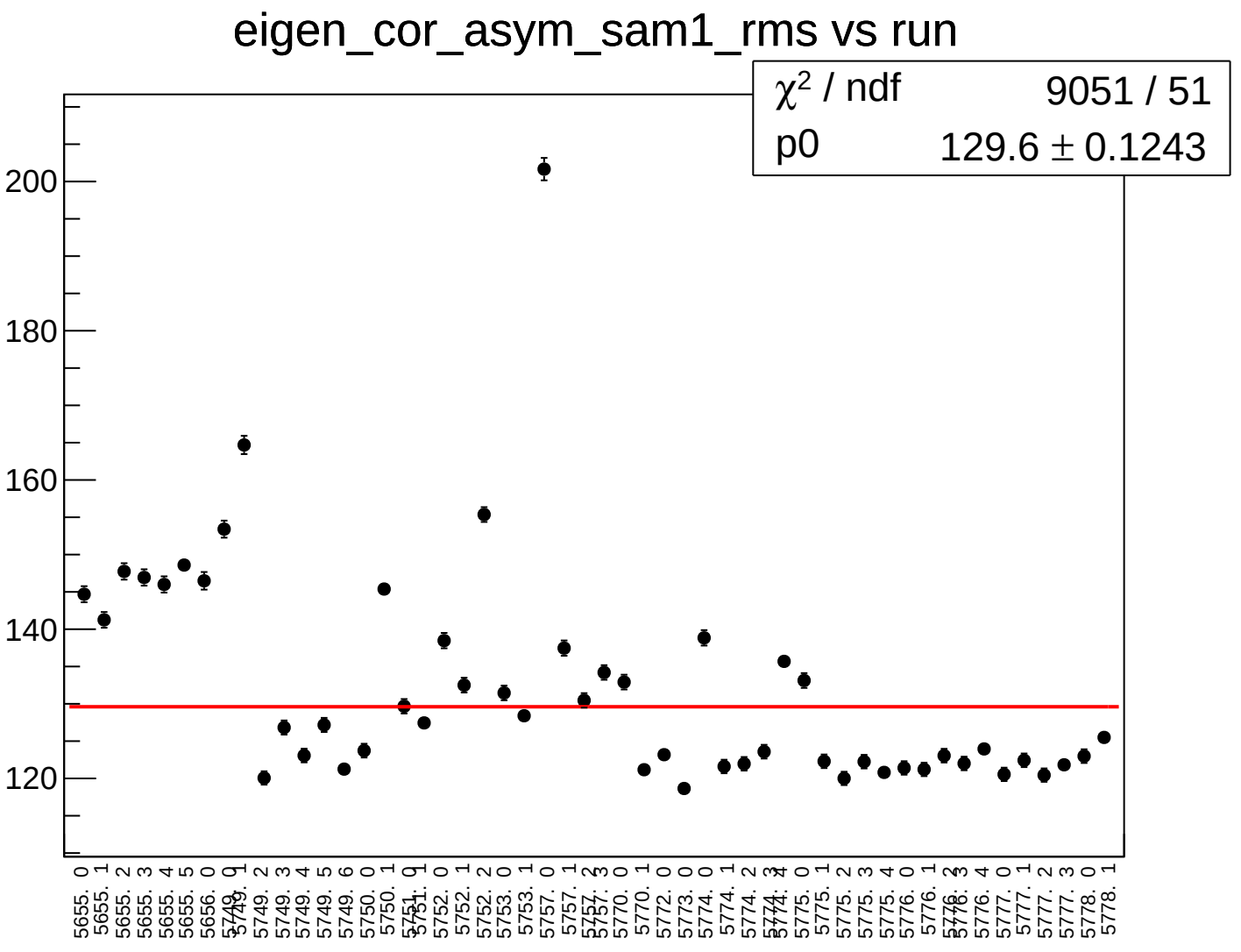

asym_sam1_cor_correction_mean vs run
χ² / ndf 54.13 / 51
p0 318.1 ± 1156
pull
Entries 52
Mean −30.23
Std Dev 0

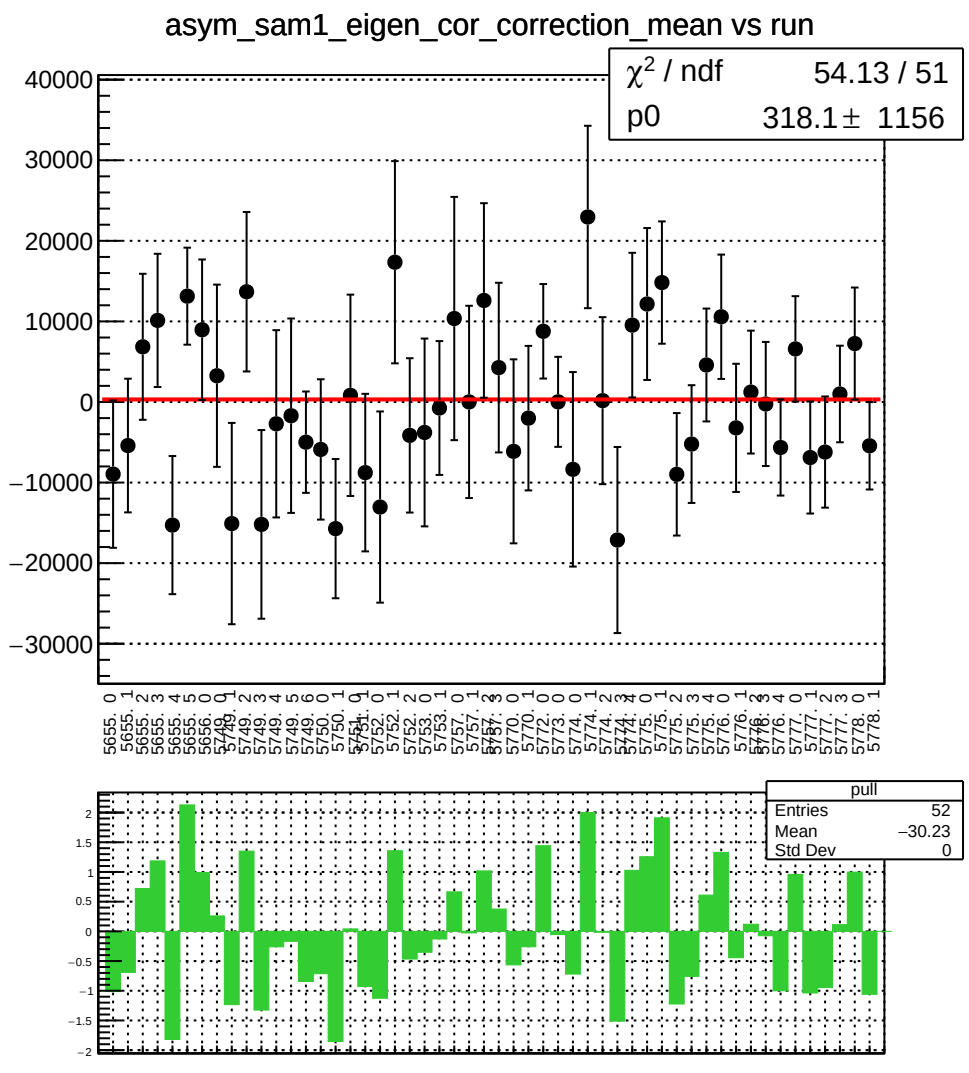

pull1D
Entries 52
Mean −0.01456
Std Dev 1.02

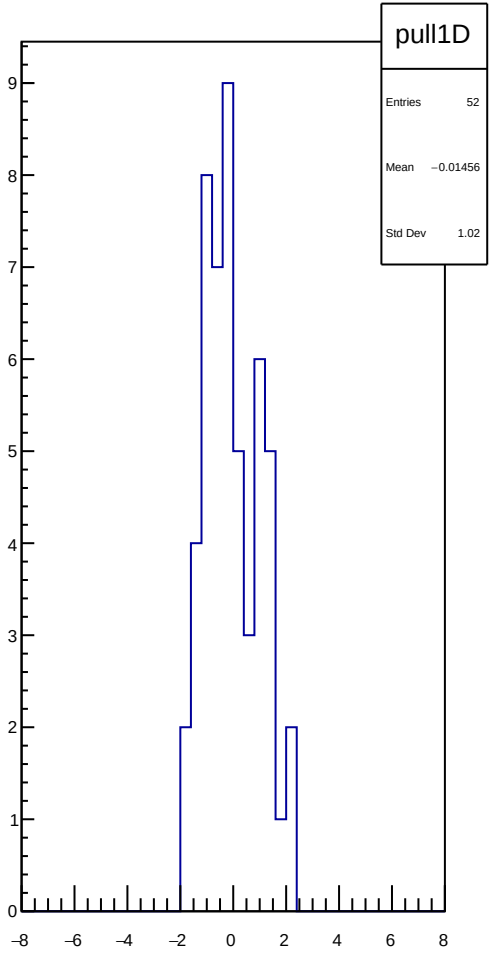

asym_sam1_cor_correction_rms vs run
χ² / ndf 5.053e+04 / 51
p0 835.9 ± 0.8174
1500
1400
1300
1200
1100
1000
900
800
700
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

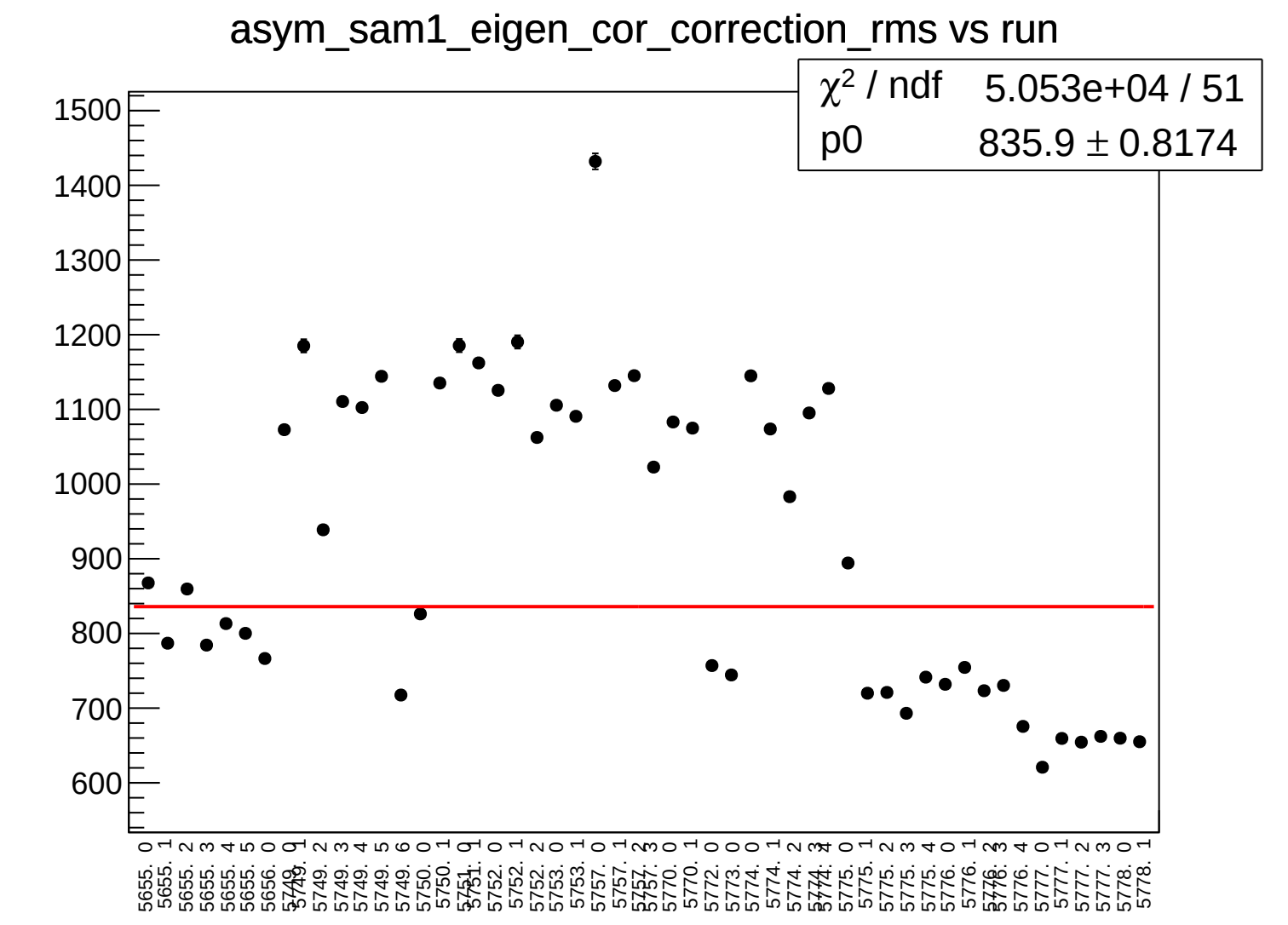

eigen_cor_asym_sam1_mean vs run
χ² / ndf 52.47 / 51
p0 57.37 ± 175.8
6000
4000
2000
0
−2000
−4000
pull
Entries 52
Mean −24.8
Std Dev 0
2
1
0
−1
−2

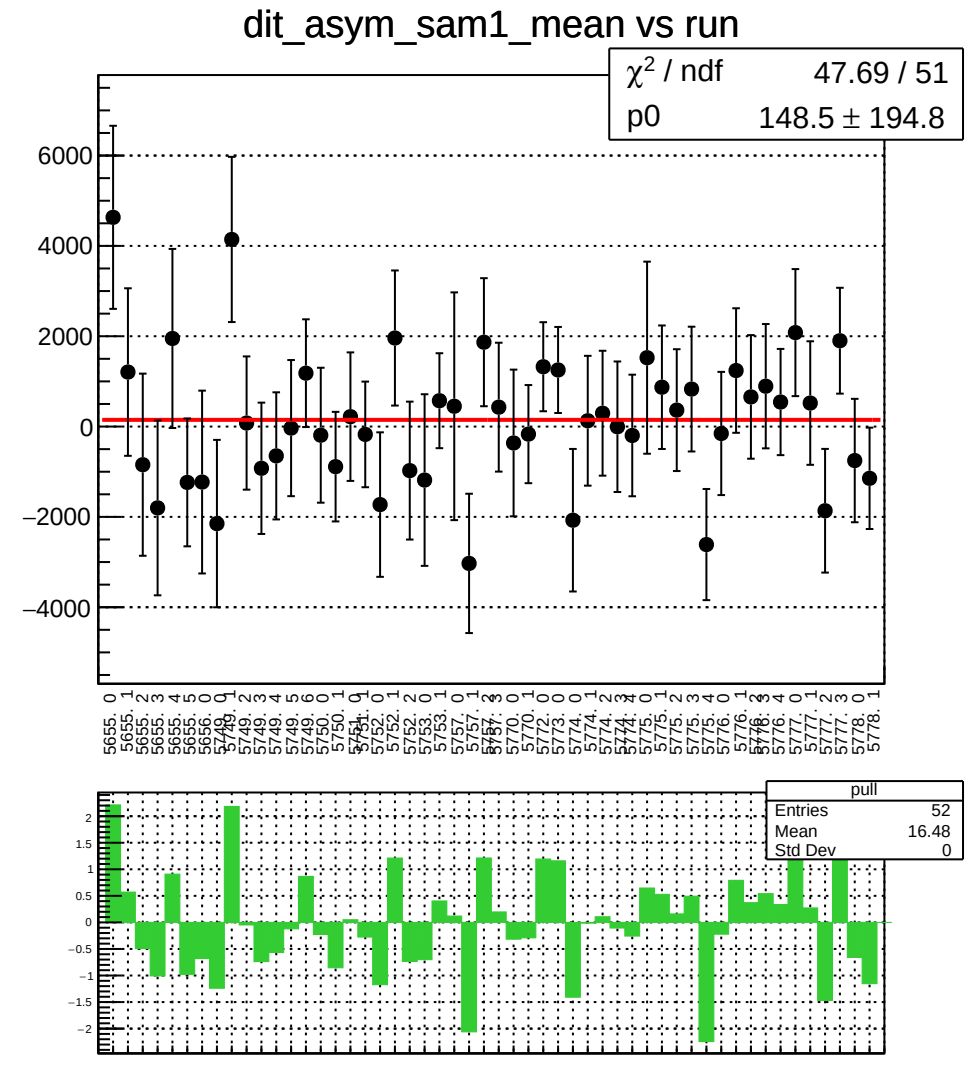

pull1D
Entries 52
Mean −0.0218
Std Dev 1.004
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

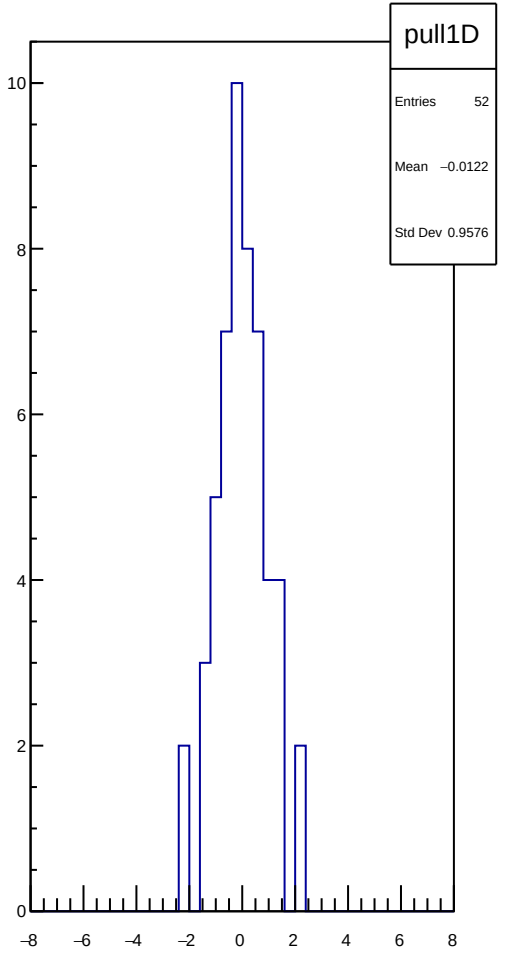

eigen_cor_asym_sam1_rms vs run
χ^2 / ndf 9051 / 51
p0 129.6 ± 0.1243
200
180
160
140
120
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

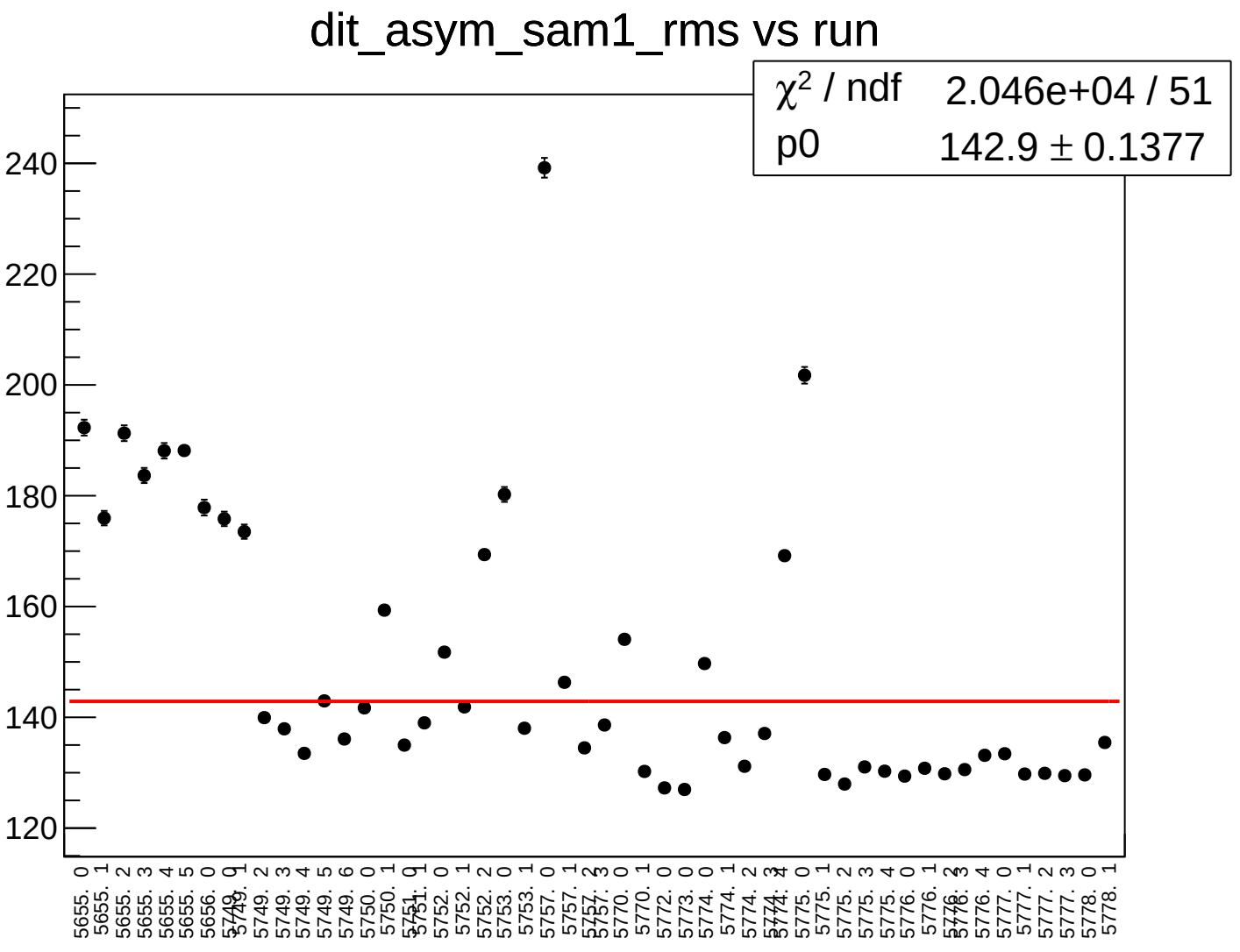

asym_sam1_eigen_cor_correction_mean vs run
χ² / ndf 54.13 / 51
p0 318.1 ± 1156
pull
Entries 52
Mean −30.23
Std Dev 0

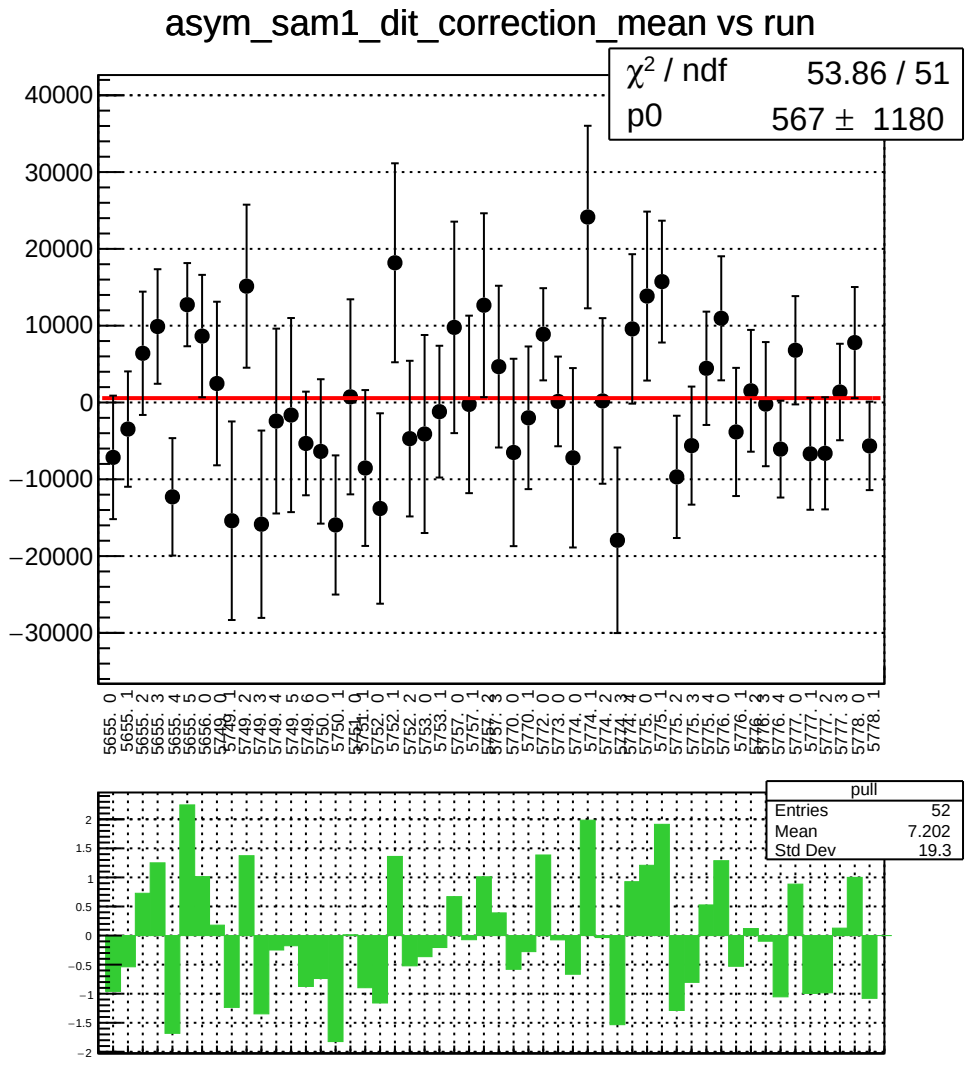

pull1D
Entries 52
Mean −0.01456
Std Dev 1.02

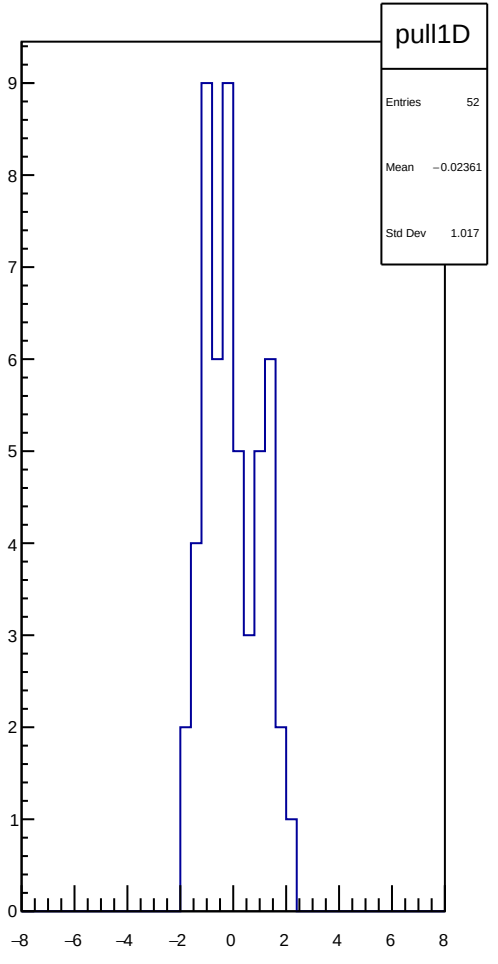

asym_sam1_eigen_cor_correction_rms vs run
χ² / ndf 5.053e+04 / 51
p0 835.9 ± 0.8174
1500
1400
1300
1200
1100
1000
900
800
700
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

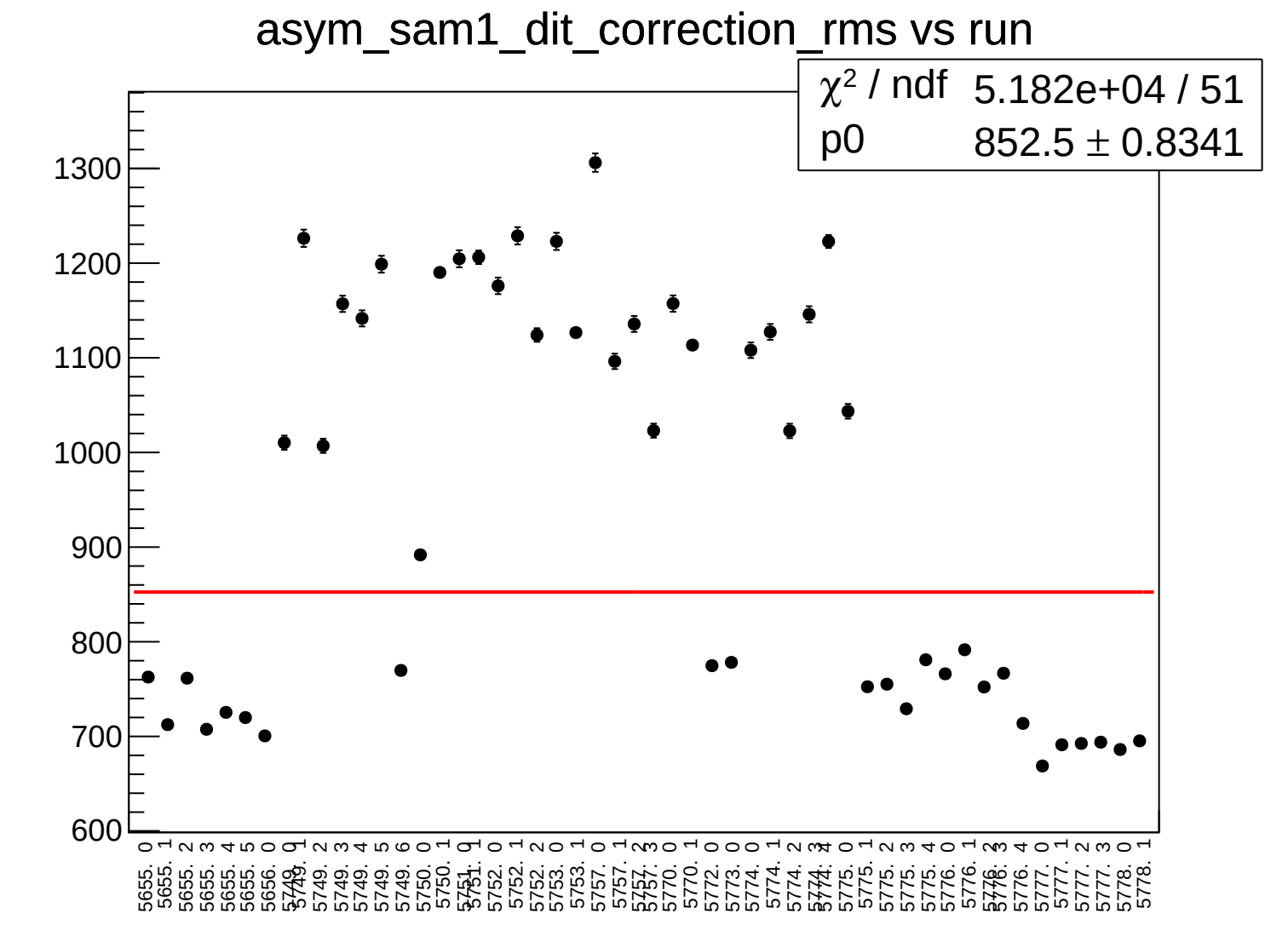

dit_asym_sam1_mean vs run
χ^2 / ndf 47.69 / 51
p0 148.5 ± 194.8
6000
4000
2000
0
−2000
−4000
pull
Entries 52
Mean 16.48
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean −0.0122
Std Dev 0.9576
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam1_rms vs run
χ² / ndf 2.046e+04 / 51
p0 142.9 ± 0.1377
240
220
200
180
160
140
120
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam1_dit_correction_mean vs run
χ² / ndf 53.86 / 51
p0 567 ± 1180
pull
Entries 52
Mean 7.202
Std Dev 19.3


pull1D
Entries 52
Mean −0.02361
Std Dev 1.017


asym_sam1_dit_correction_rms vs run
χ² / ndf 5.182e+04 / 51
p0 852.5 ± 0.8341
1300
1200
1100
1000
900
800
700
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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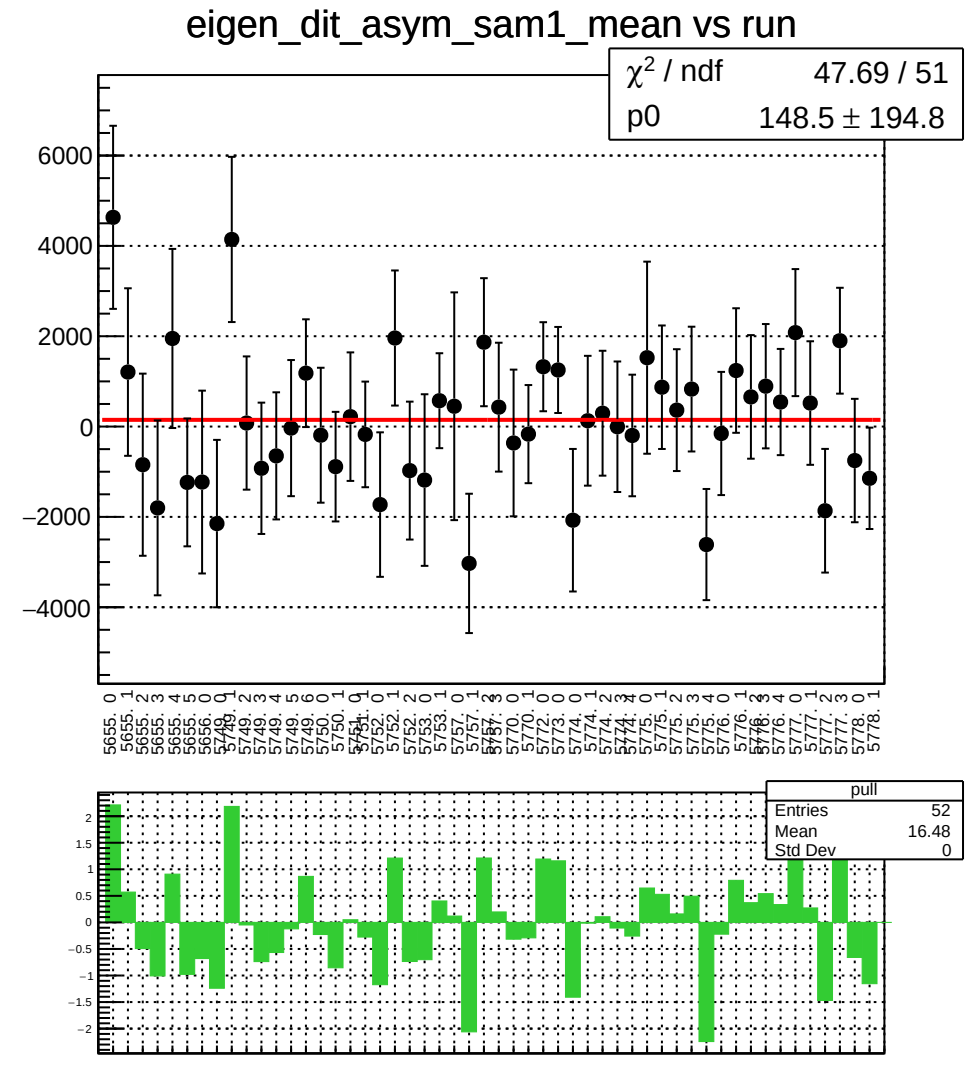
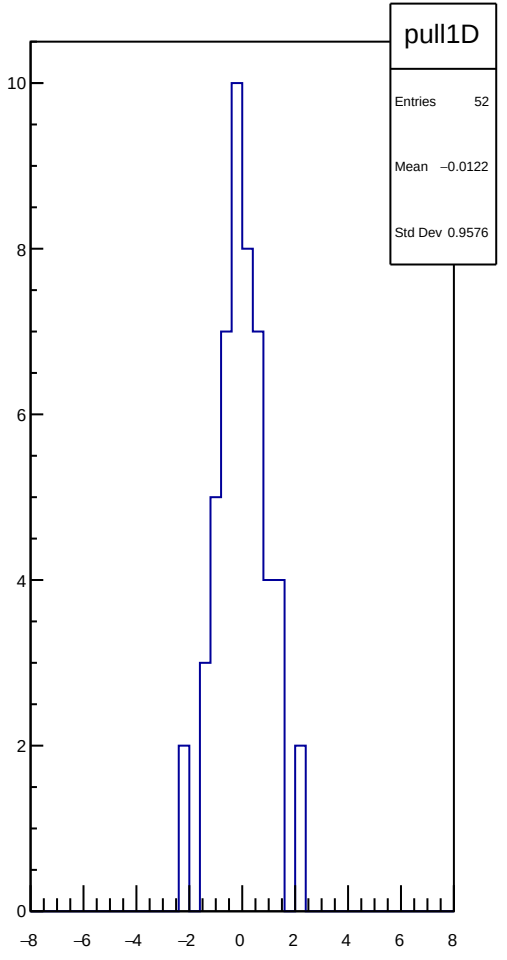
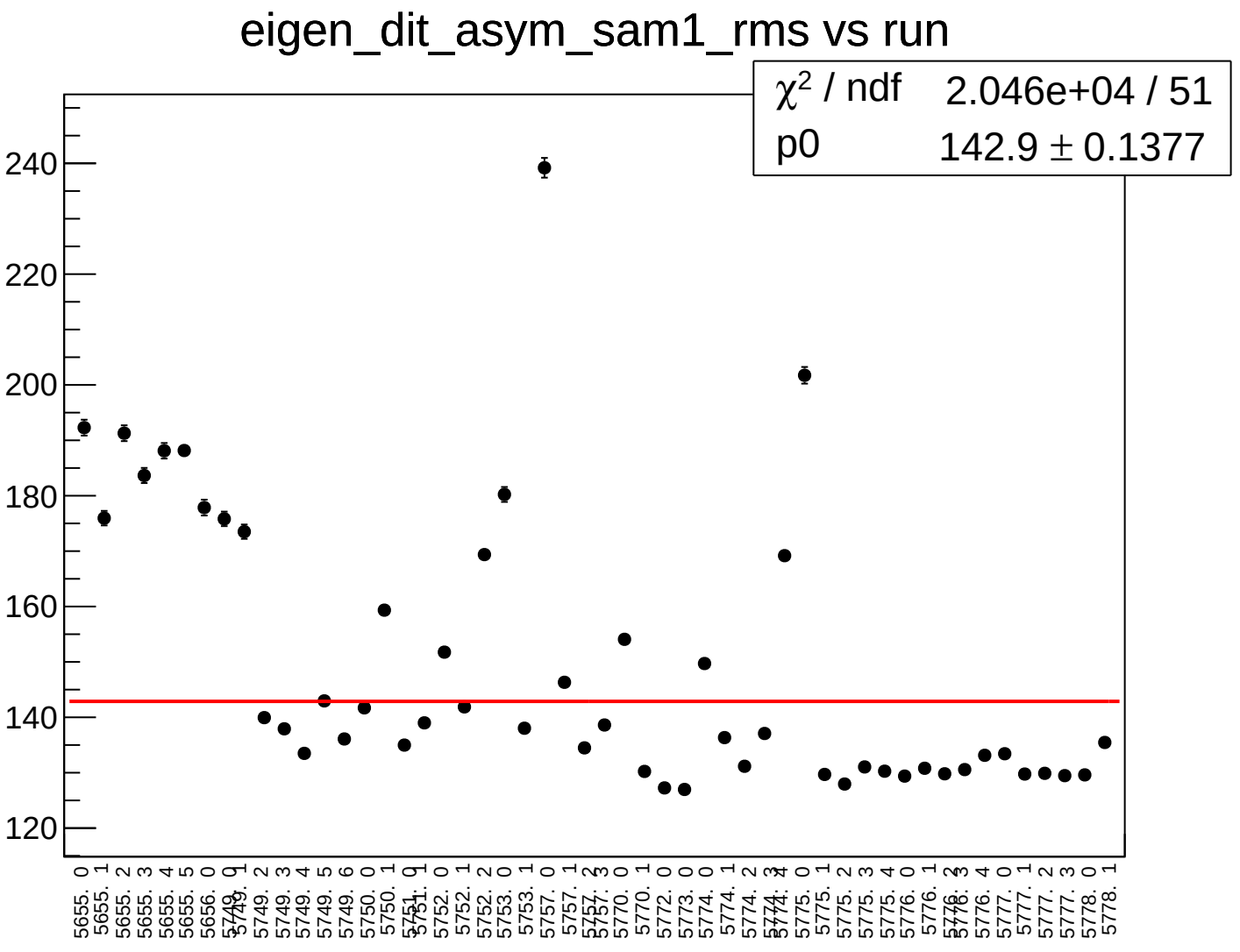
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_dit_asym_sam1_mean vs run
χ² / ndf 47.69 / 51
p0 148.5 ± 194.8
6000
4000
2000
0
−2000
−4000
pull
Entries 52
Mean 16.48
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean −0.0122
Std Dev 0.9576
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam1_rms vs run
χ² / ndf 2.046e+04 / 51
p0 142.9 ± 0.1377
240
220
200
180
160
140
120
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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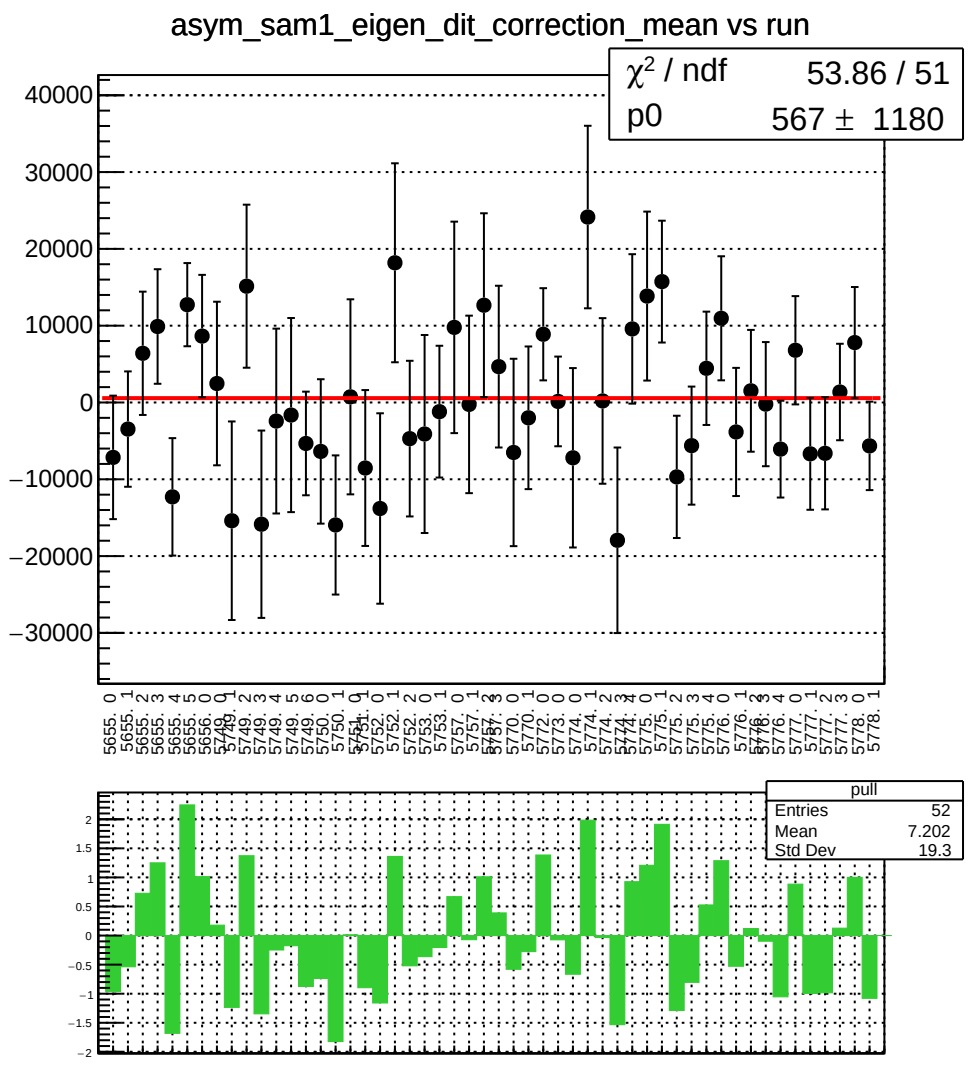
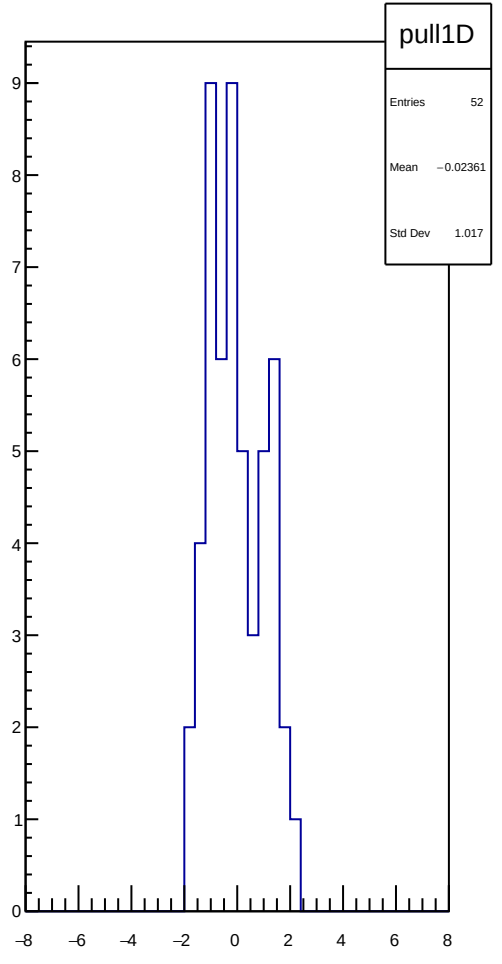
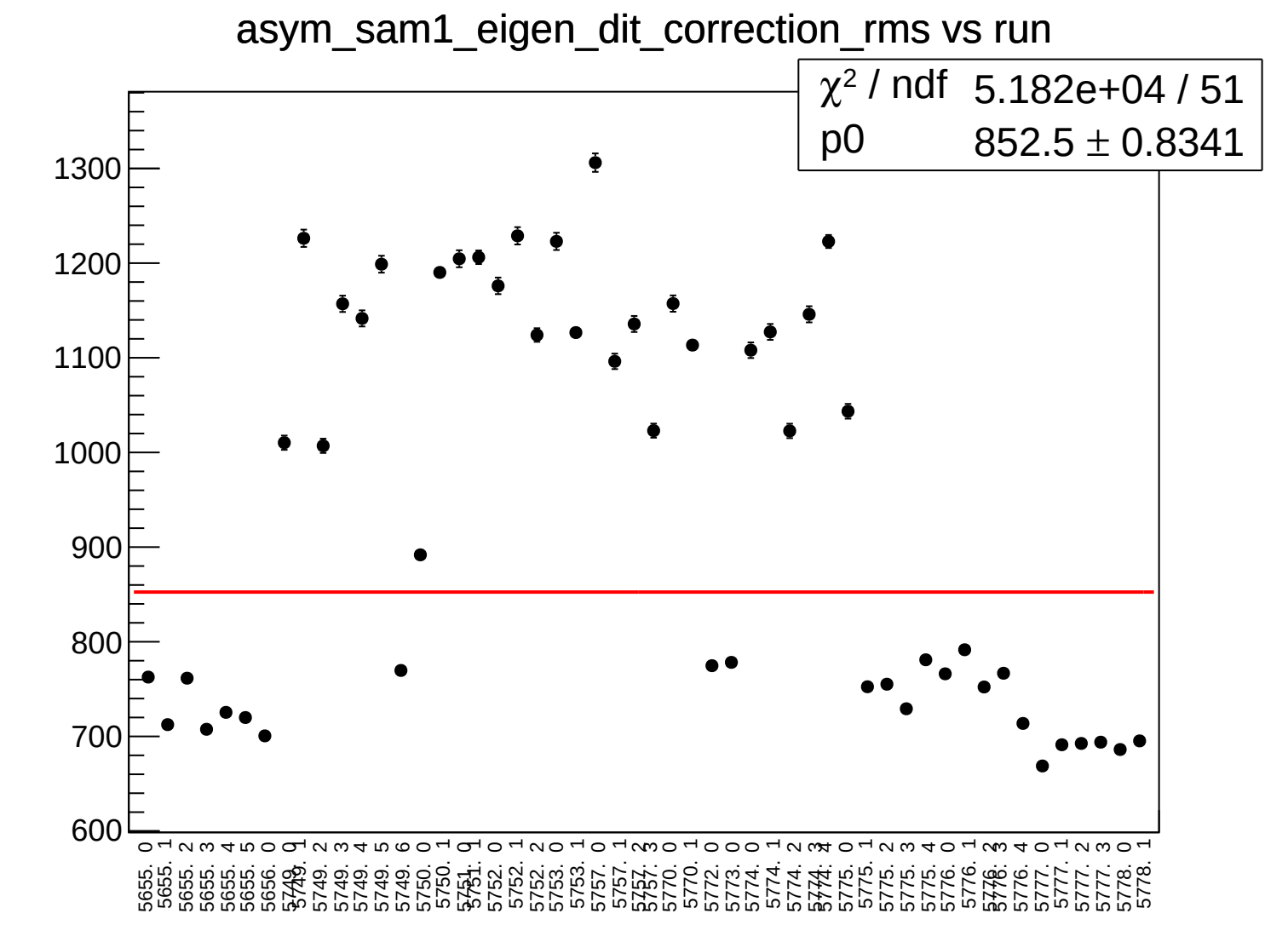
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam1_eigen_dit_correction_mean vs run
χ² / ndf 53.86 / 51
p0 567 ± 1180
pull
Entries 52
Mean 7.202
Std Dev 19.3


pull1D
Entries 52
Mean −0.02361
Std Dev 1.017


asym_sam1_eigen_dit_correction_rms vs run
χ² / ndf 5.182e+04 / 51
p0 852.5 ± 0.8341
1300
1200
1100
1000
900
800
700
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
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5775. 1
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5776. 0
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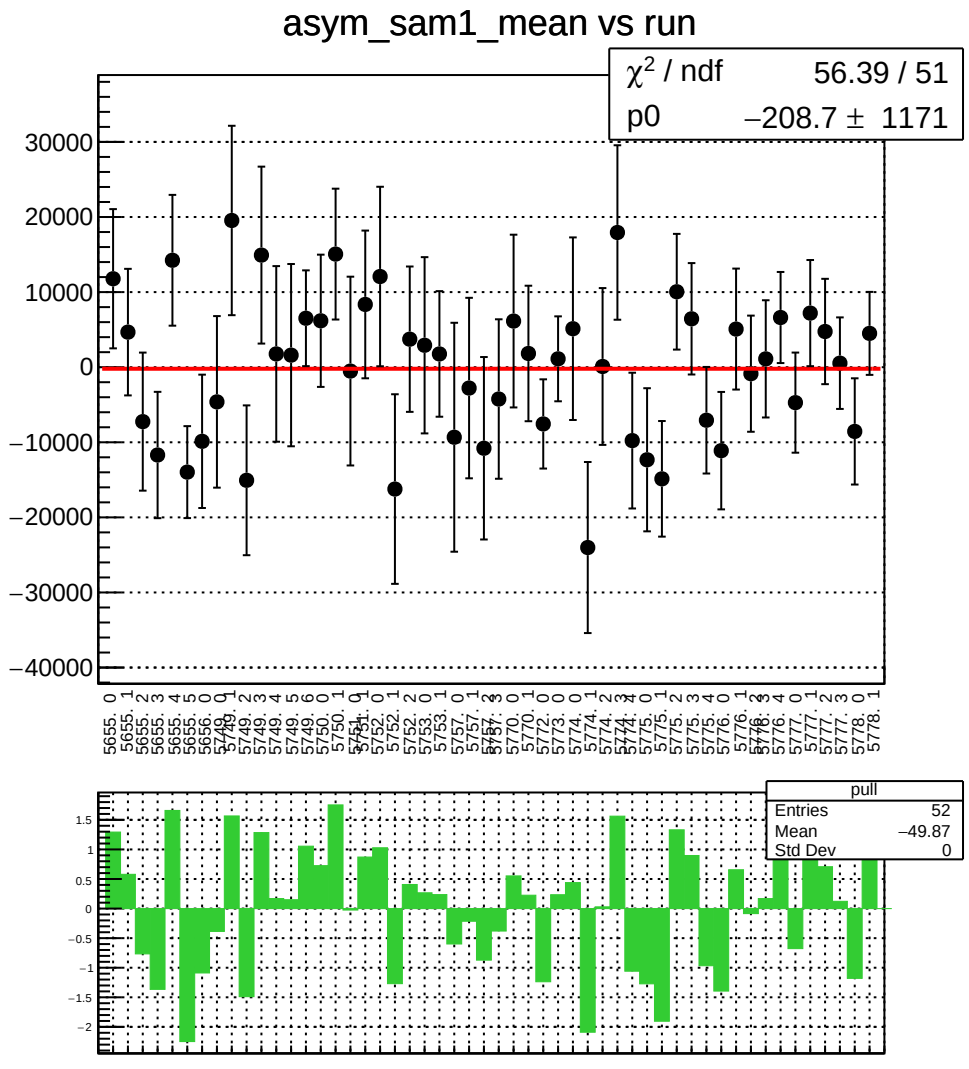
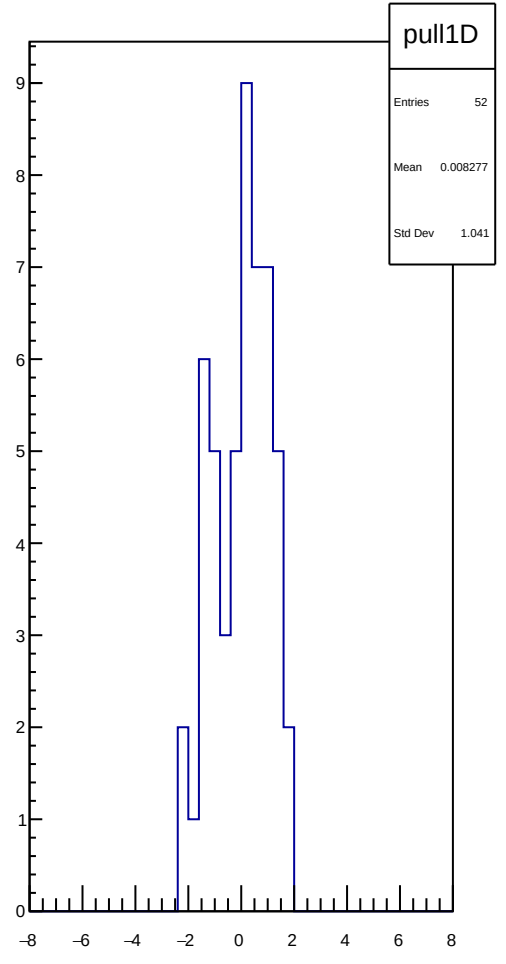
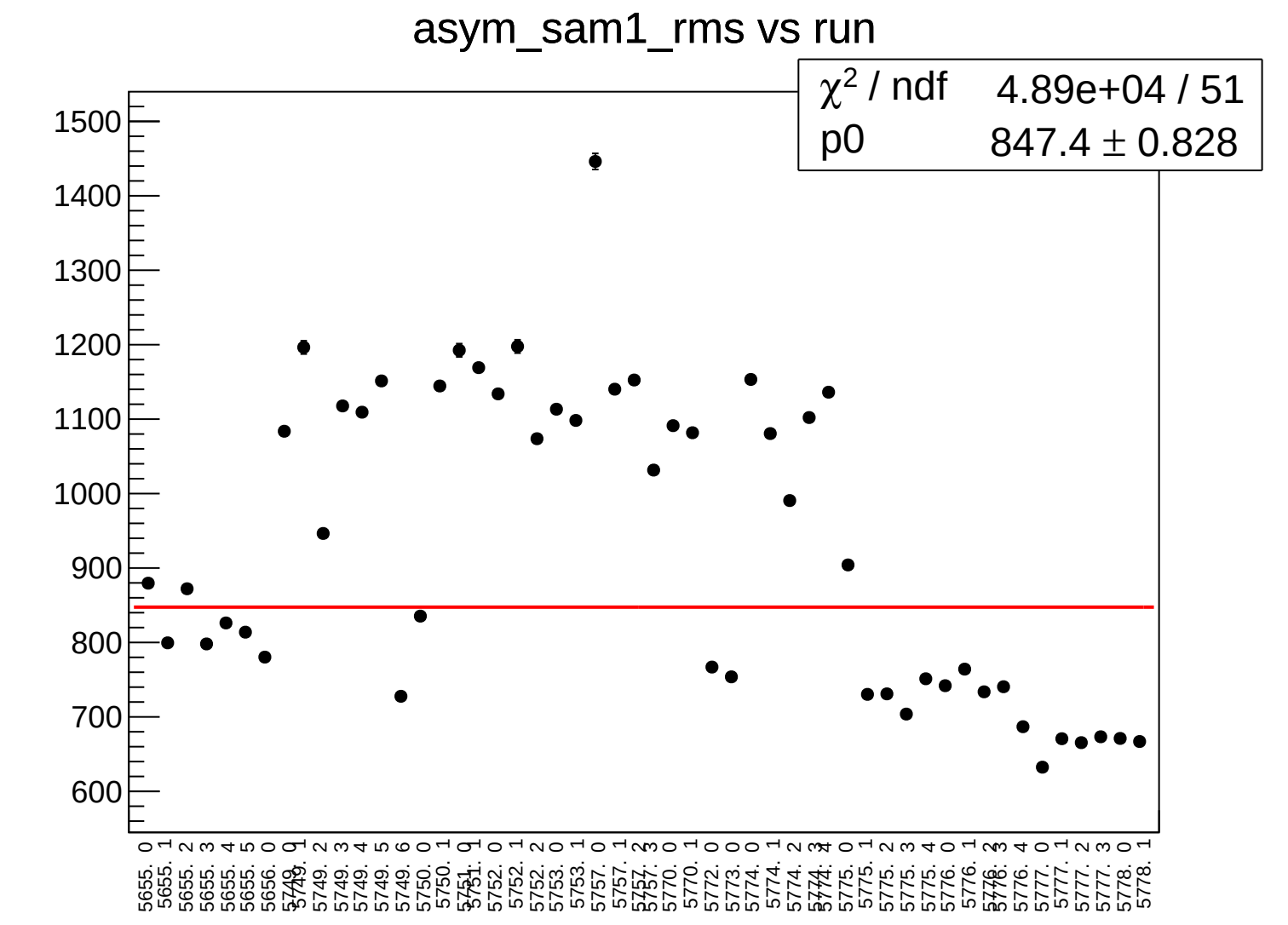
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam1_mean vs run
χ² / ndf 56.39 / 51
p0 −208.7 ± 1171
pull
Entries 52
Mean −49.87
Std Dev 0


pull1D
Entries 52
Mean 0.008277
Std Dev 1.041


asym_sam1_rms vs run
χ² / ndf 4.89e+04 / 51
p0 847.4 ± 0.828
1500
1400
1300
1200
1100
1000
900
800
700
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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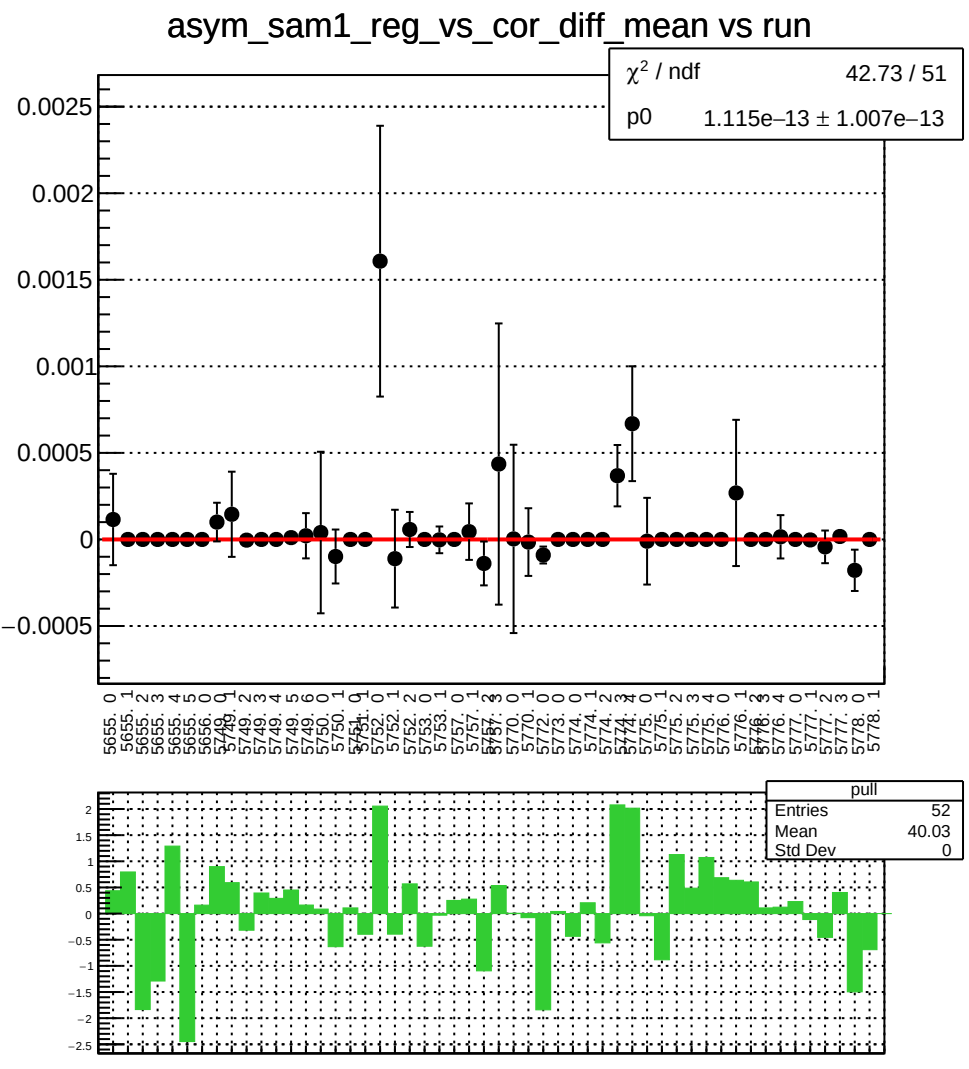
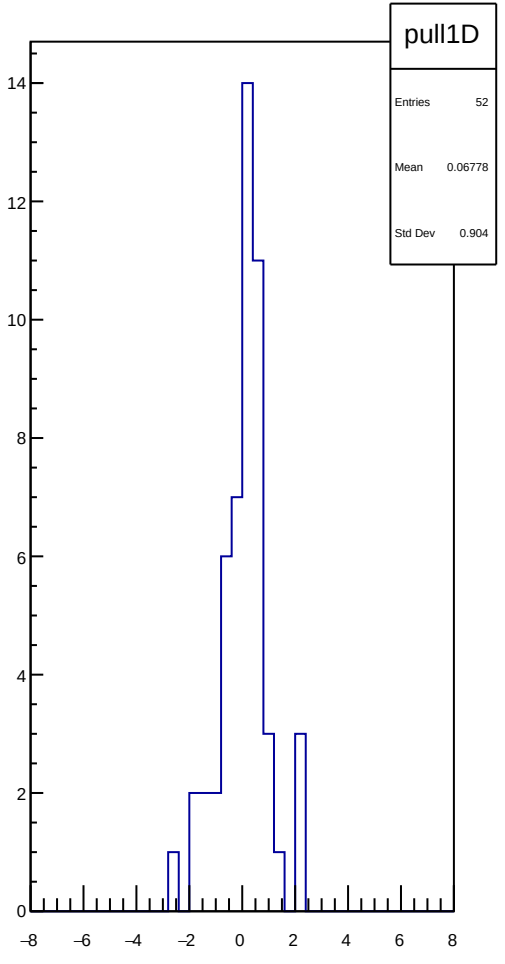
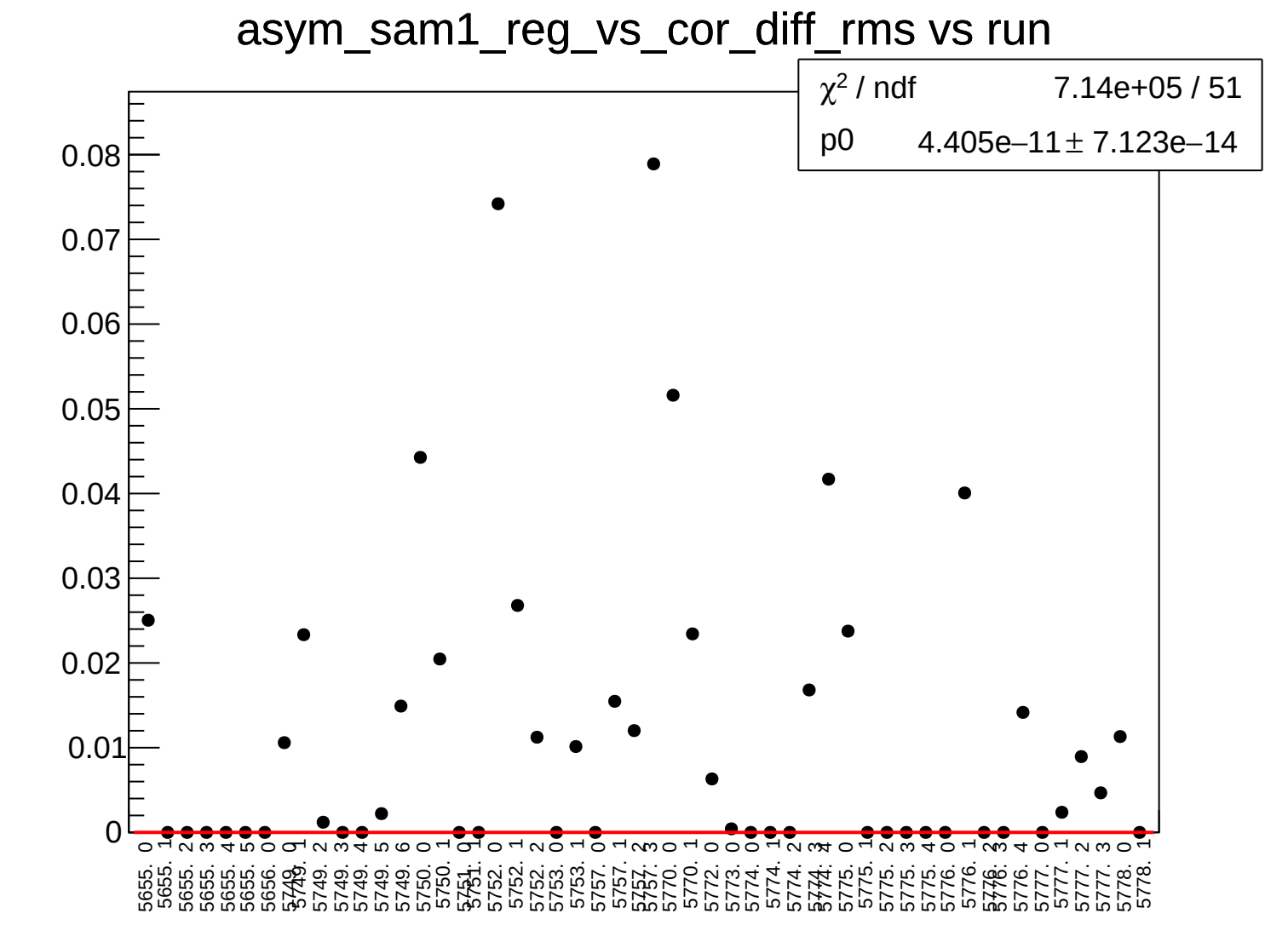
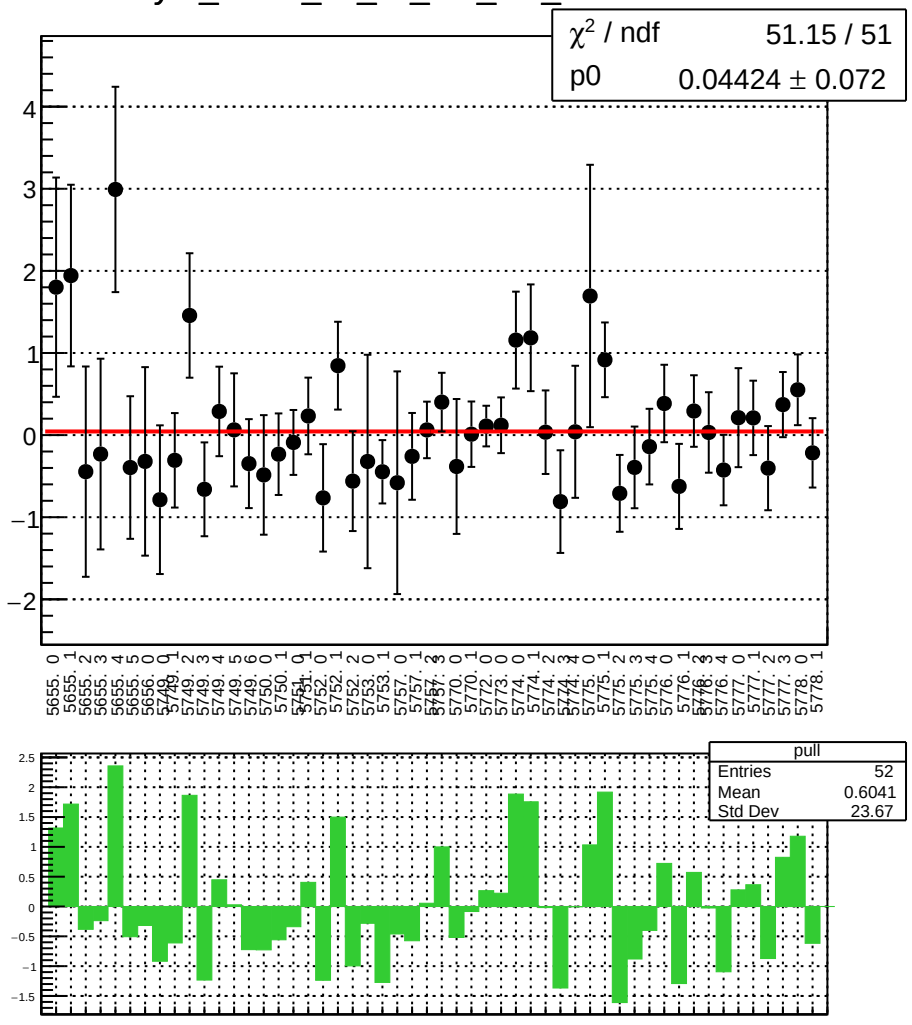
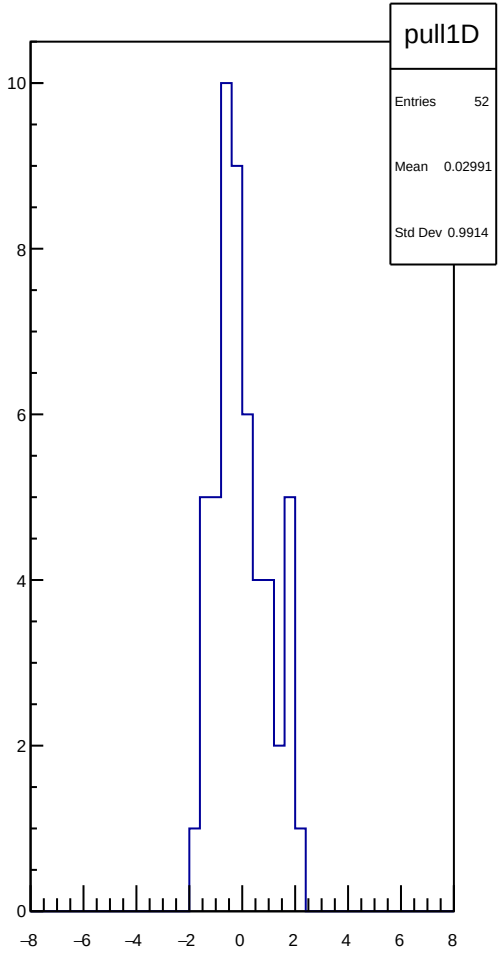
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

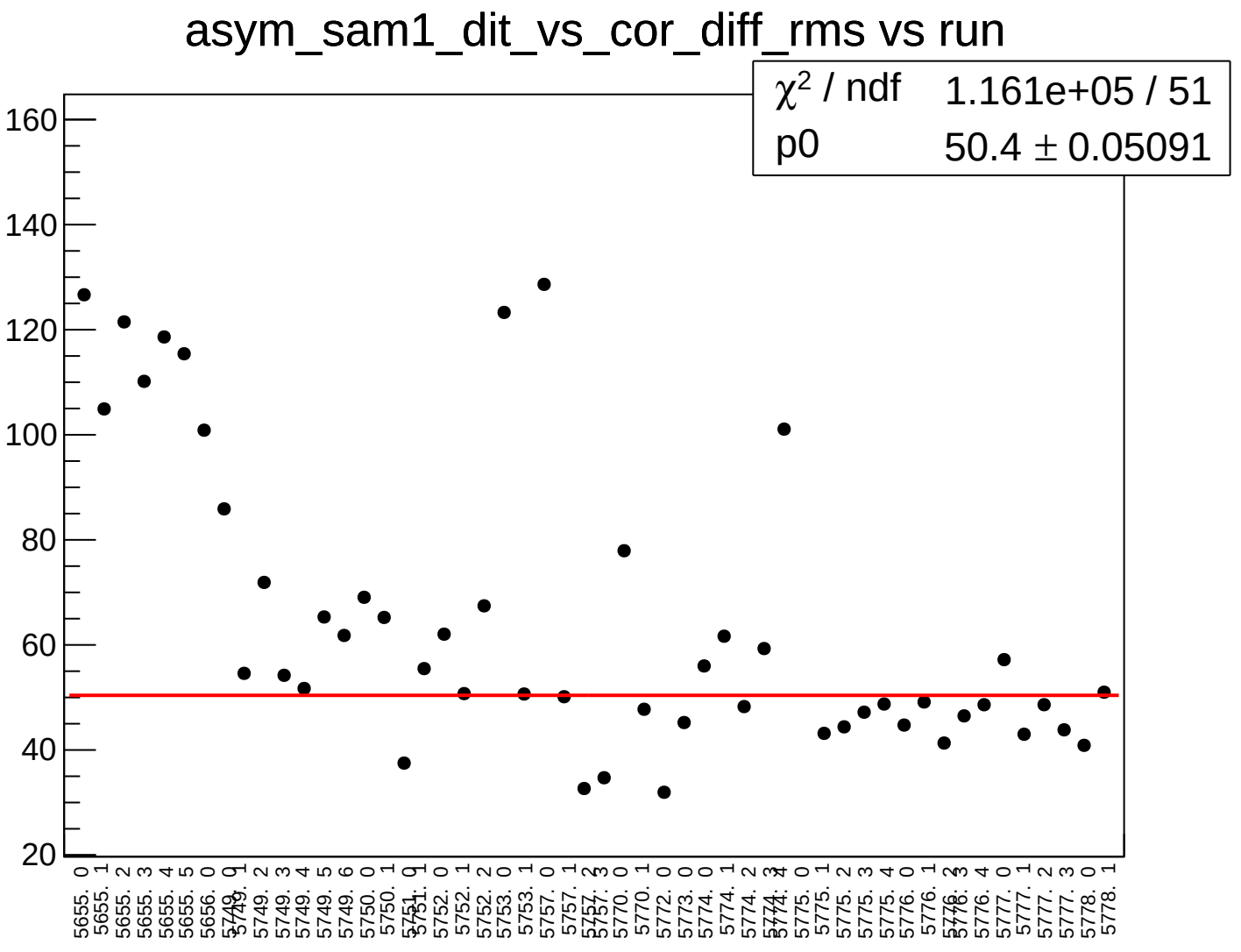

asym_sam1_reg_vs_cor_diff_mean vs run
χ² / ndf 42.73 / 51
p0 1.115e−13 ± 1.007e−13
pull
Entries 52
Mean 40.03
Std Dev 0

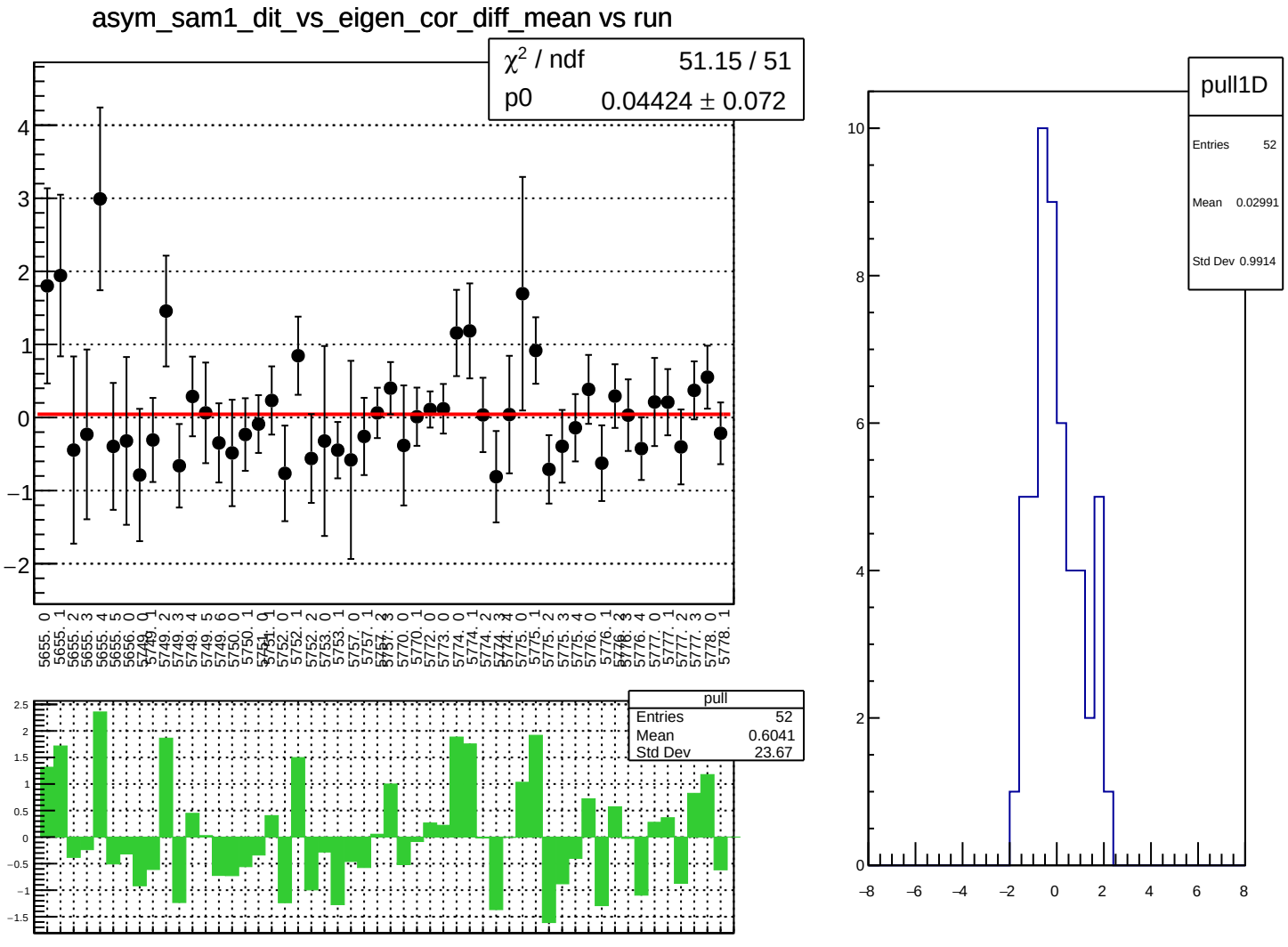

pull1D
Entries 52
Mean 0.06778
Std Dev 0.904

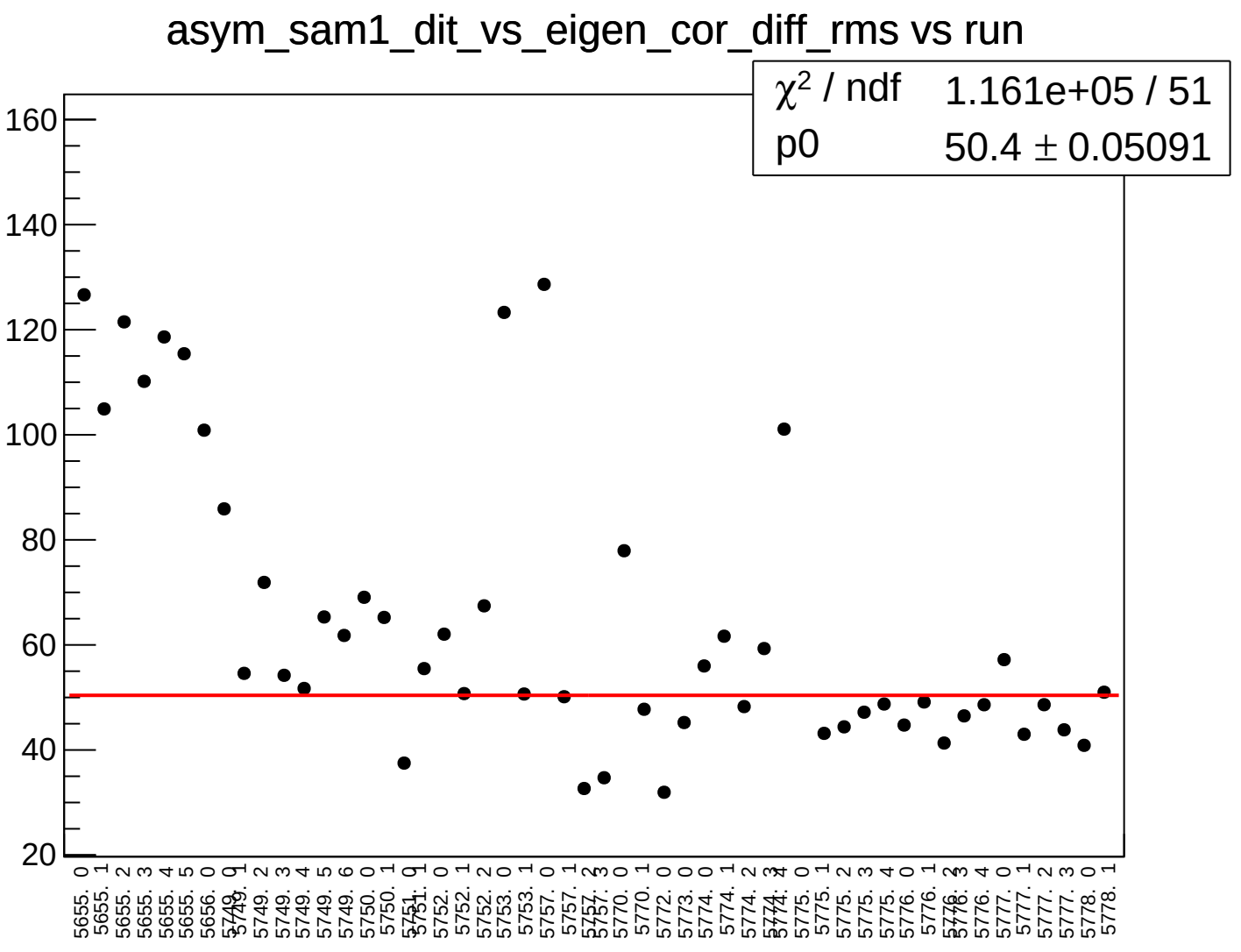

asym_sam1_reg_vs_cor_diff_rms vs run
χ² / ndf 7.14e+05 / 51
p0 4.405e−11 ± 7.123e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

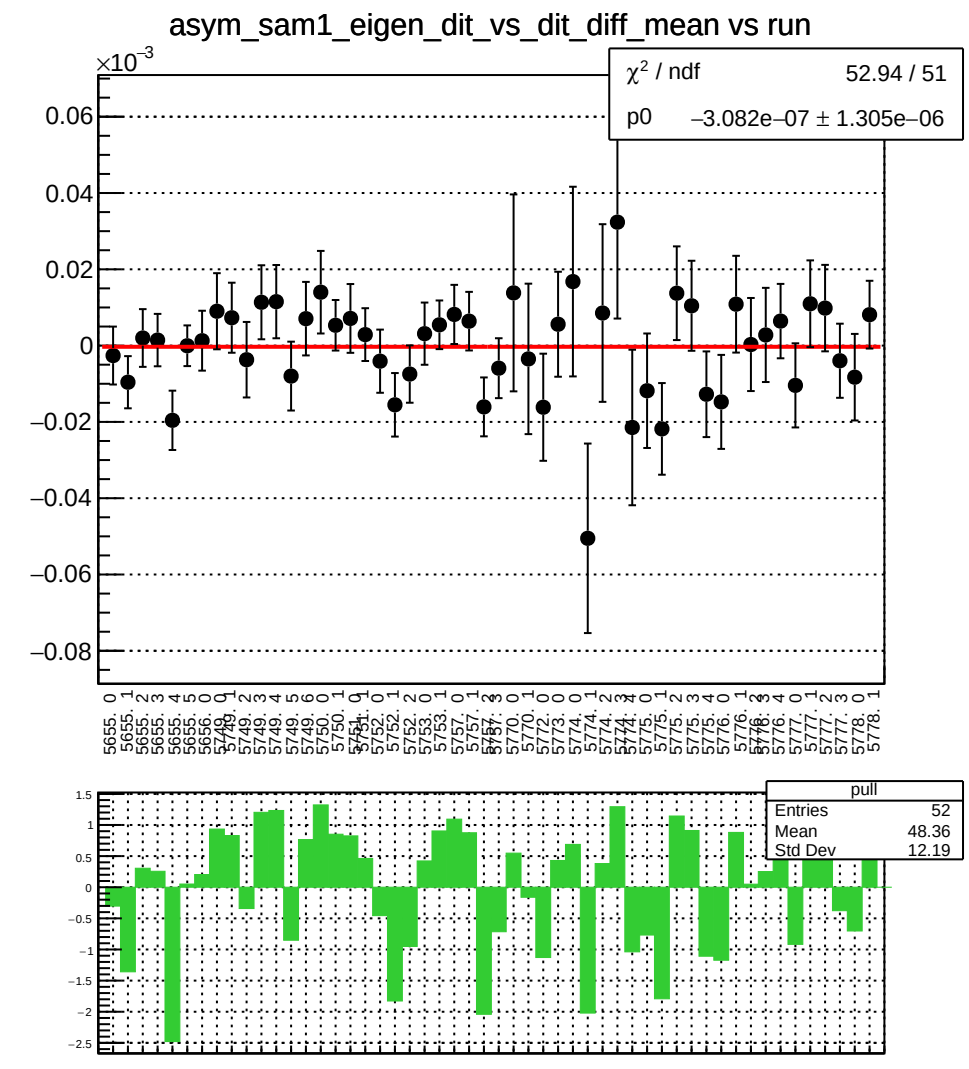

asym_sam1_dit_vs_cor_diff_mean vs run
χ² / ndf 51.15 / 51
p0 0.04424 ± 0.072
pull
Entries 52
Mean 0.6041
Std Dev 23.67

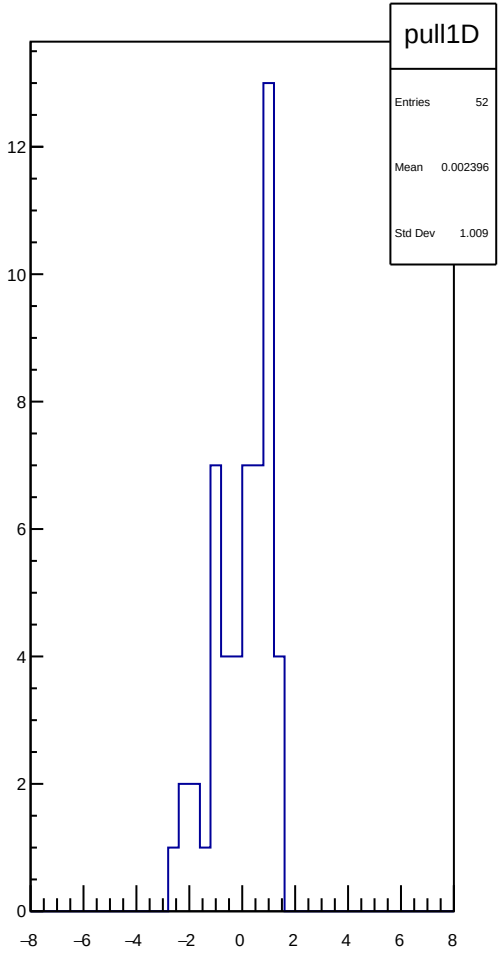

pull1D
Entries 52
Mean 0.02991
Std Dev 0.9914

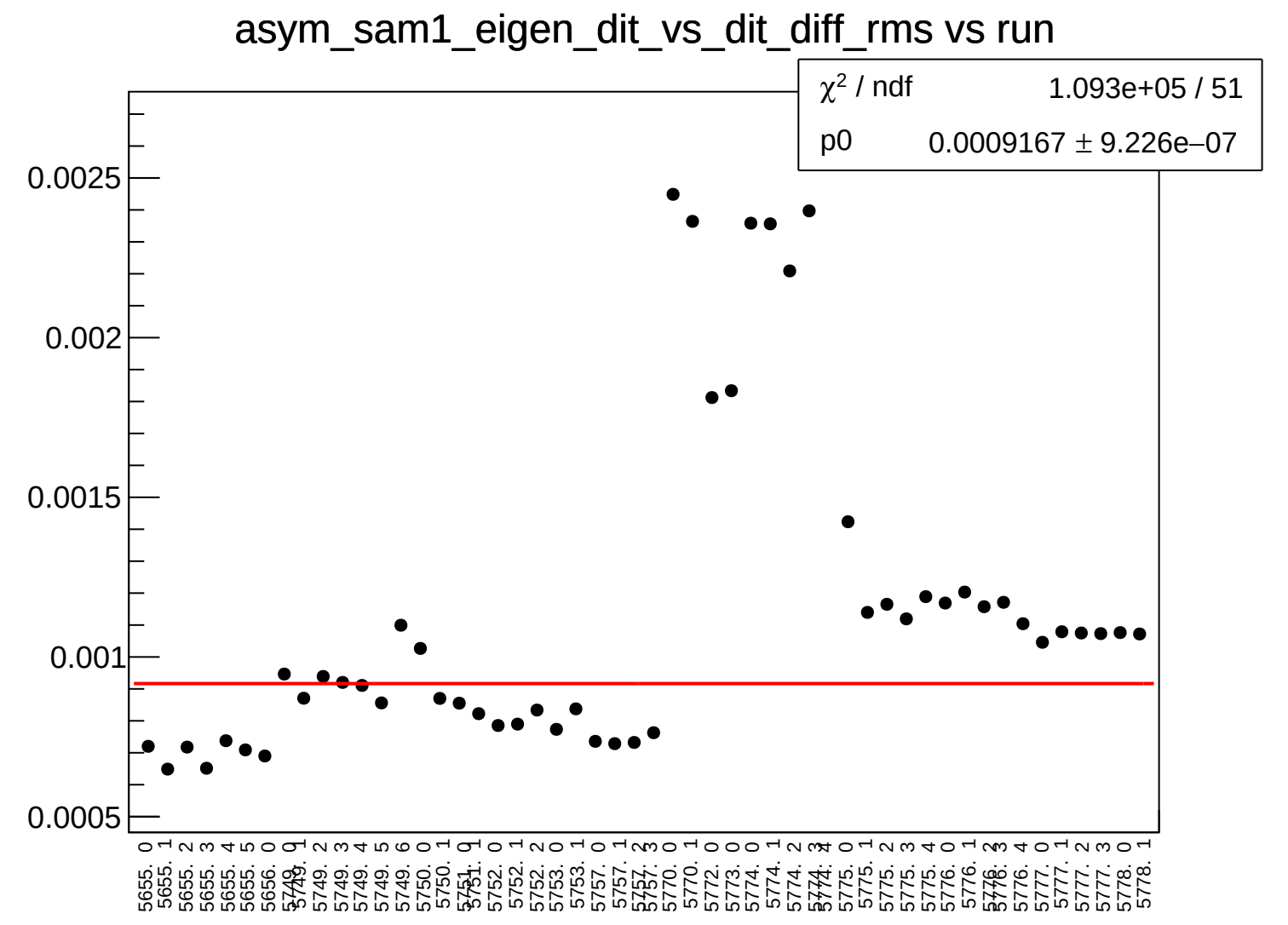

asym_sam1_dit_vs_cor_diff_rms vs run
χ² / ndf 1.161e+05 / 51
p0 50.4 ± 0.05091
160
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

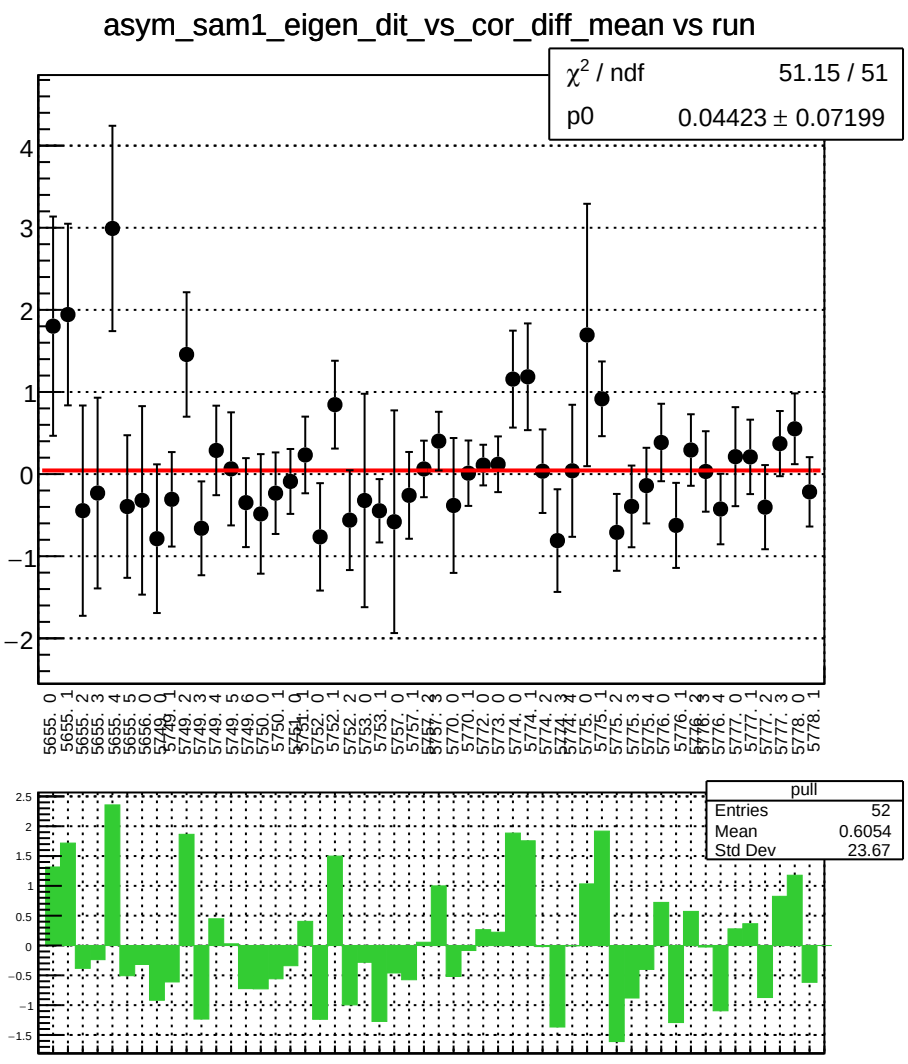

asym_sam1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.15 / 51
p0 0.04424 ± 0.072
pull
Entries 52
Mean 0.6041
Std Dev 23.67
pull1D
Entries 52
Mean 0.02991
Std Dev 0.9914

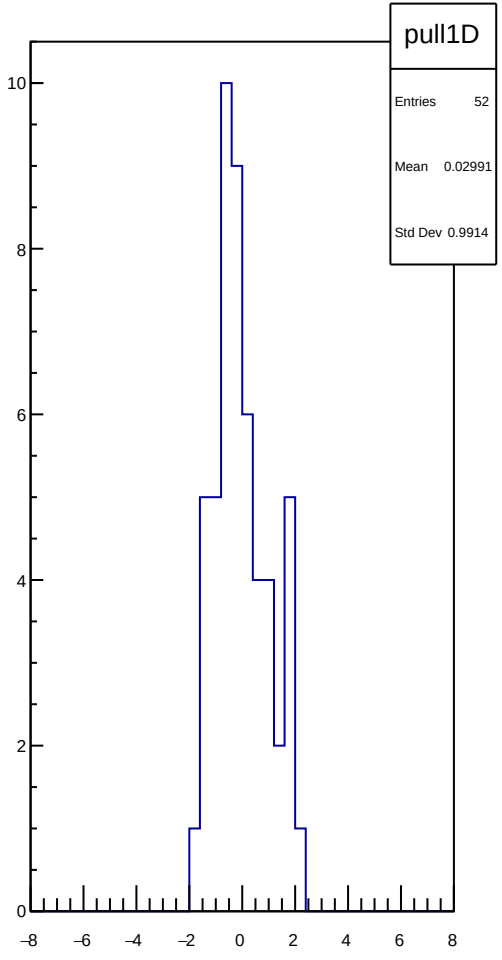

asym_sam1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.161e+05 / 51
p0 50.4 ± 0.05091
160
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

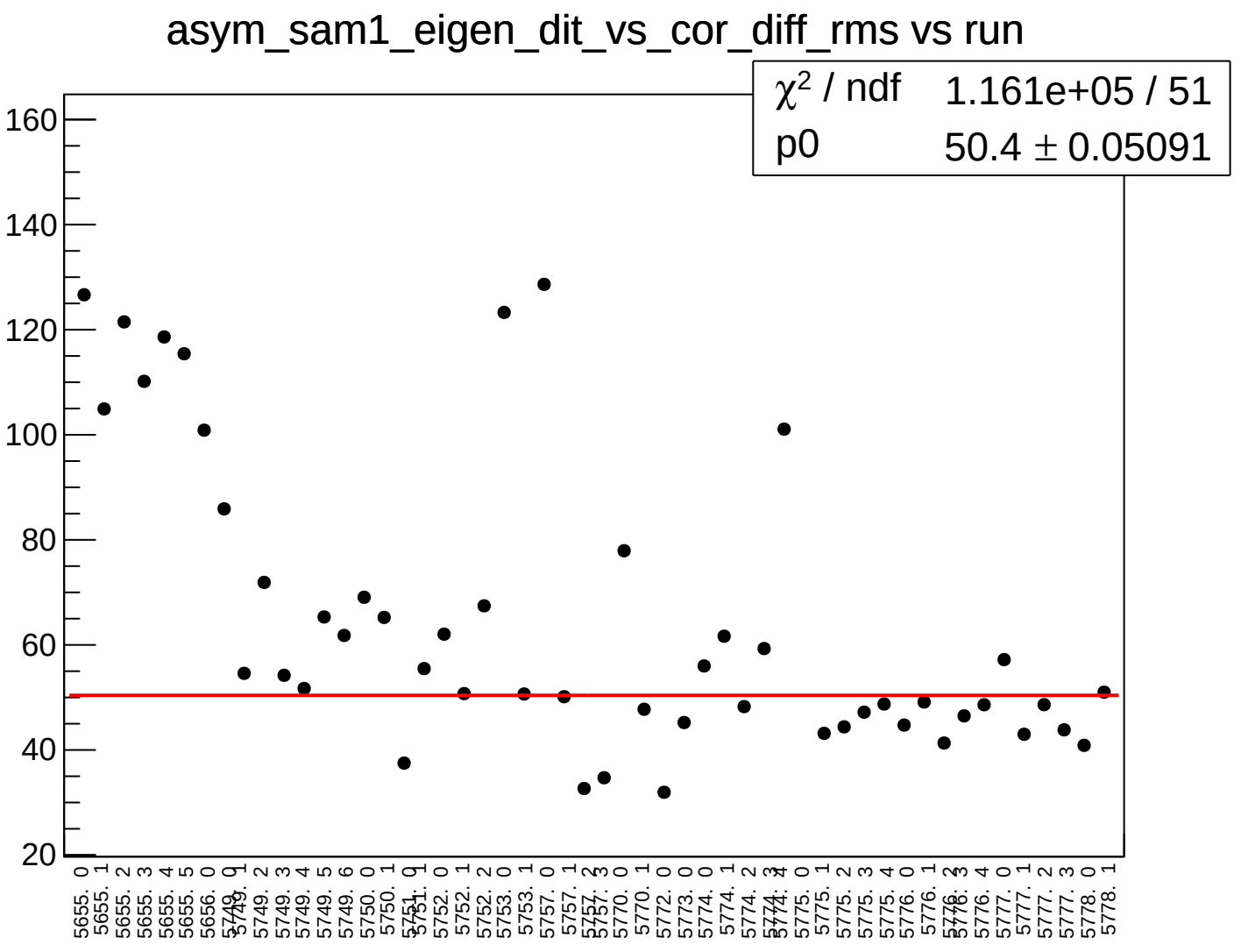

asym_sam1_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 52.94 / 51
p0 −3.082e−07 ± 1.305e−06
pull
Entries 52
Mean 48.36
Std Dev 12.19

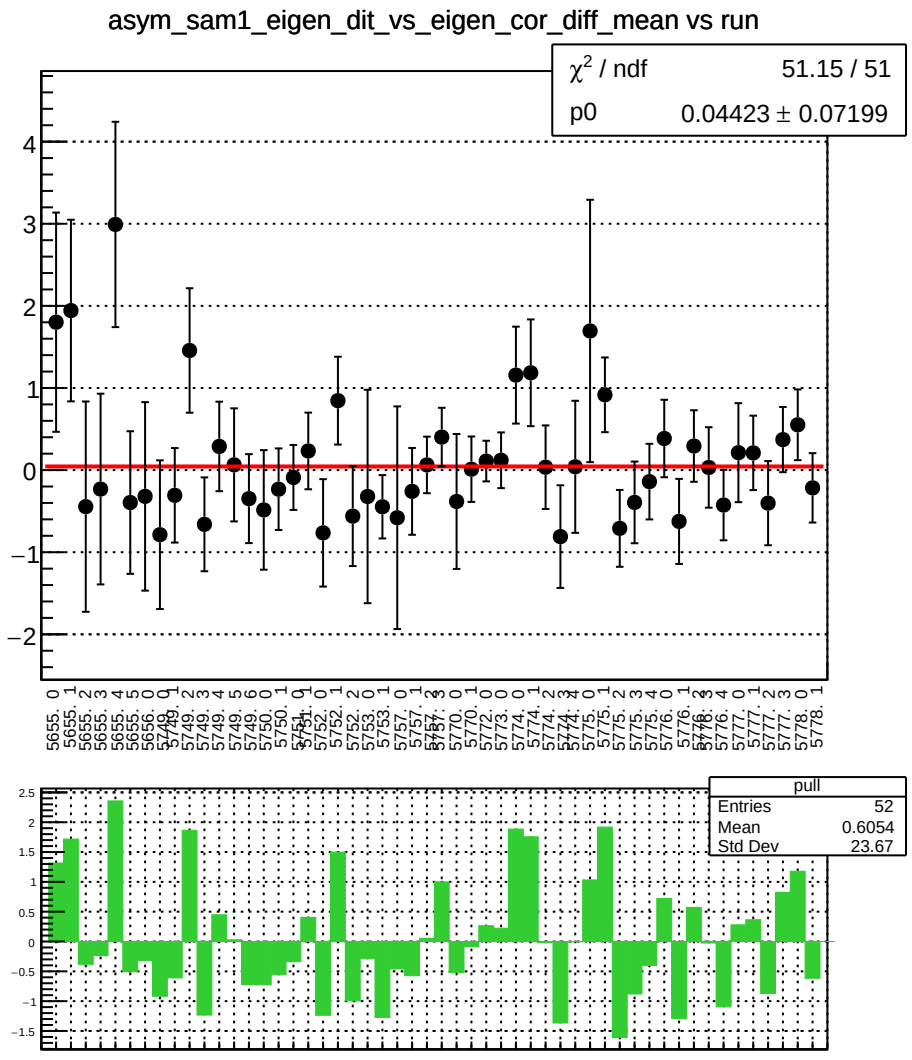

pull1D
Entries 52
Mean 0.002396
Std Dev 1.009

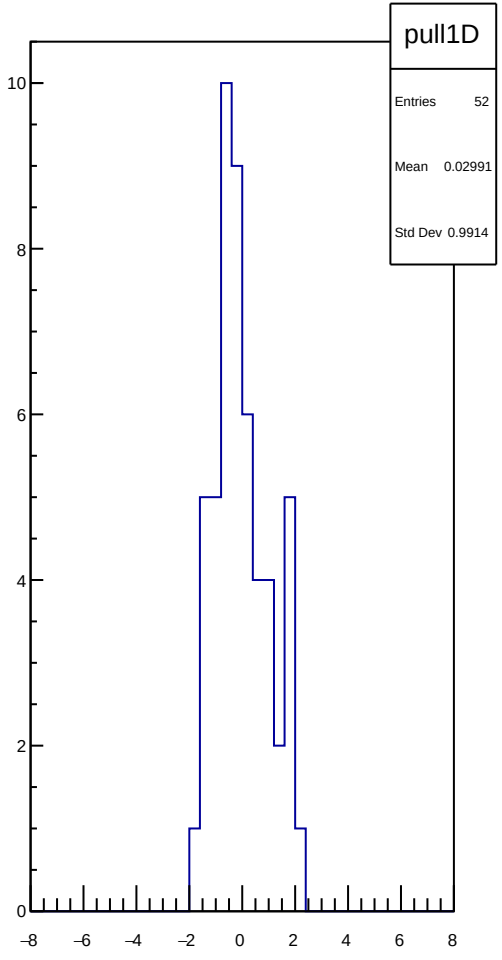

asym_sam1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.093e+05 / 51
p0 0.0009167 ± 9.226e−07
0.0025
0.002
0.0015
0.001
0.0005
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

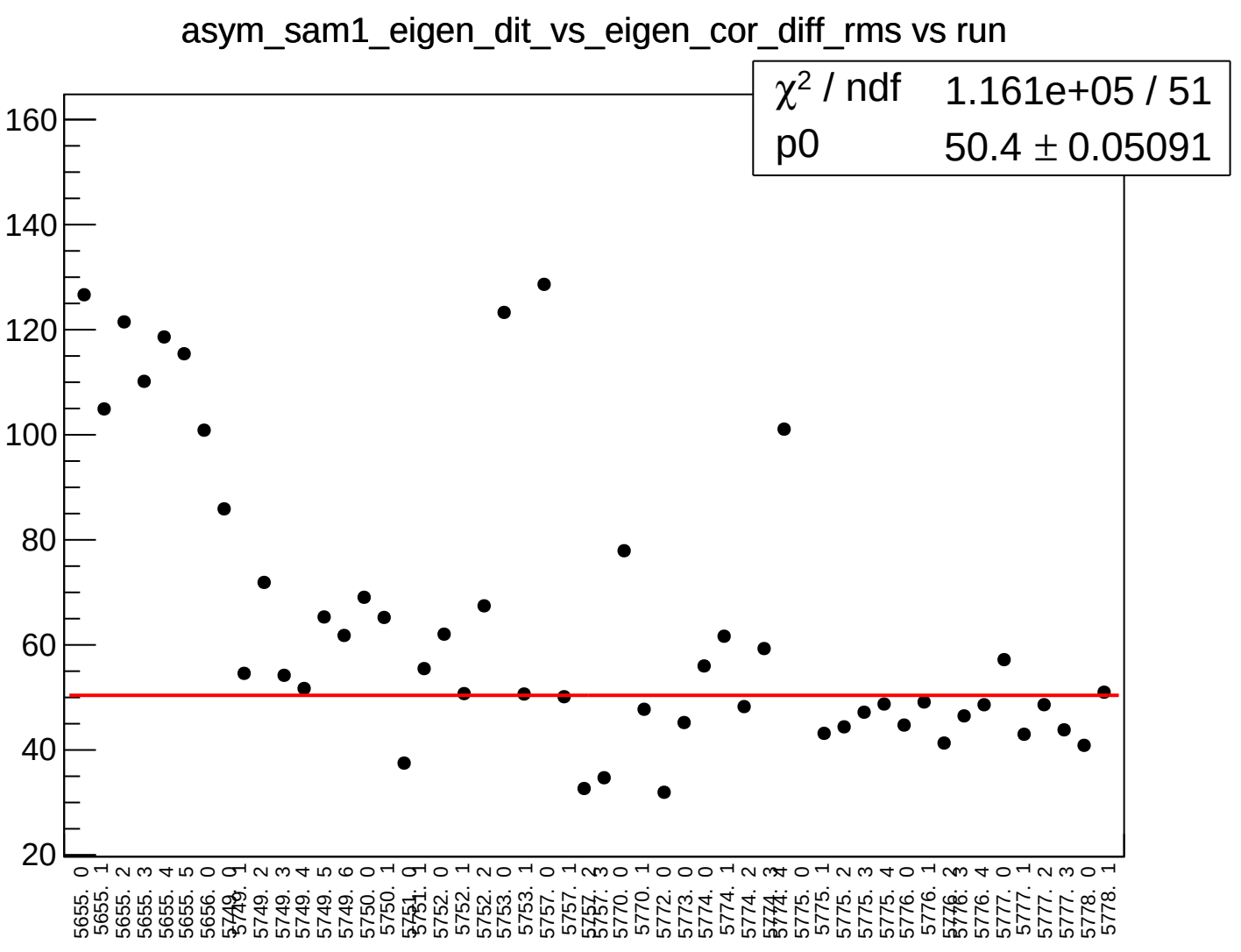

asym_sam1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.15 / 51
p0 0.04423 ± 0.07199
pull
Entries 52
Mean 0.6054
Std Dev 23.67

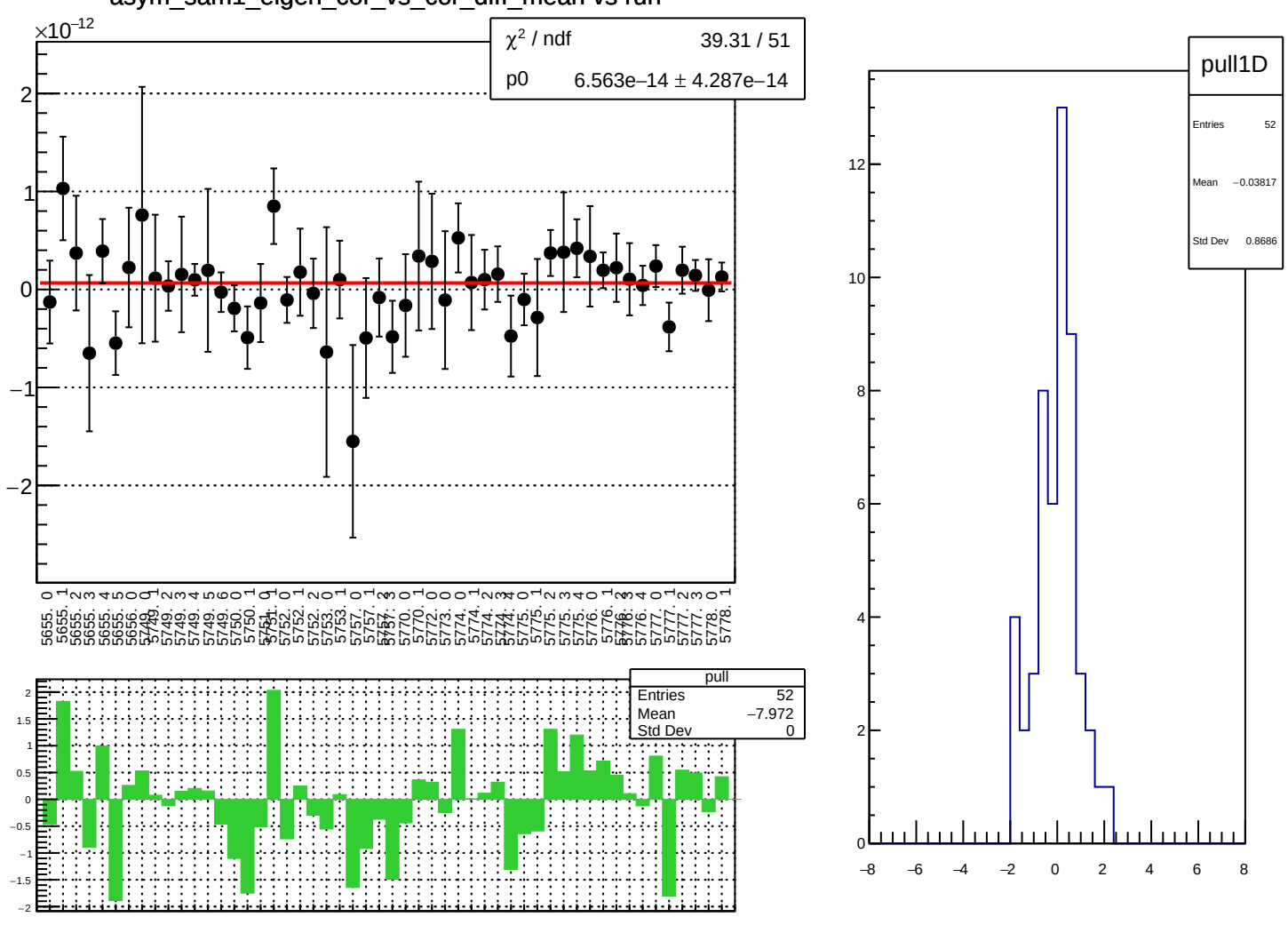

pull1D
Entries 52
Mean 0.02991
Std Dev 0.9914

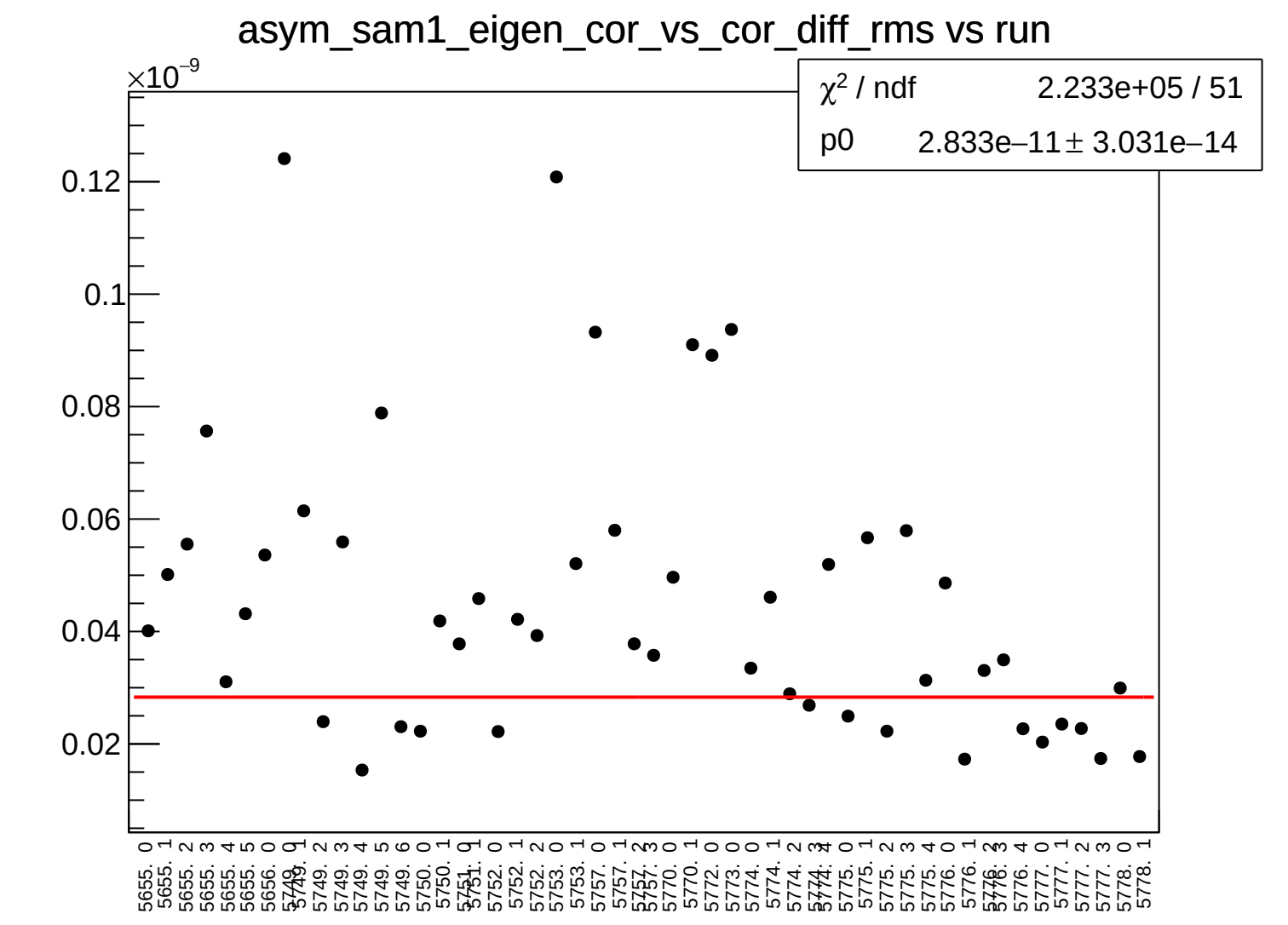

asym_sam1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.161e+05 / 51
p0 50.4 ± 0.05091
160
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

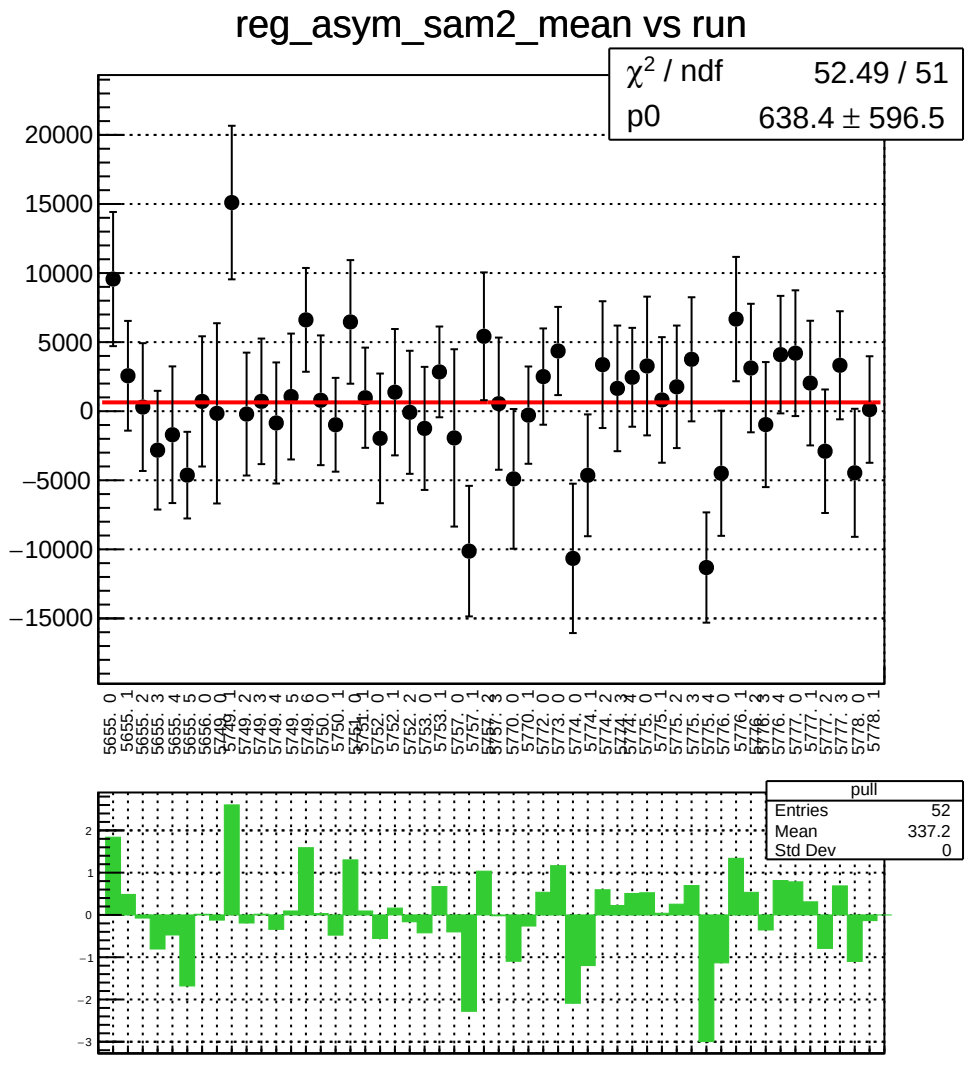

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.15 / 51
p0 0.04423 ± 0.07199
pull
Entries 52
Mean 0.6054
Std Dev 23.67

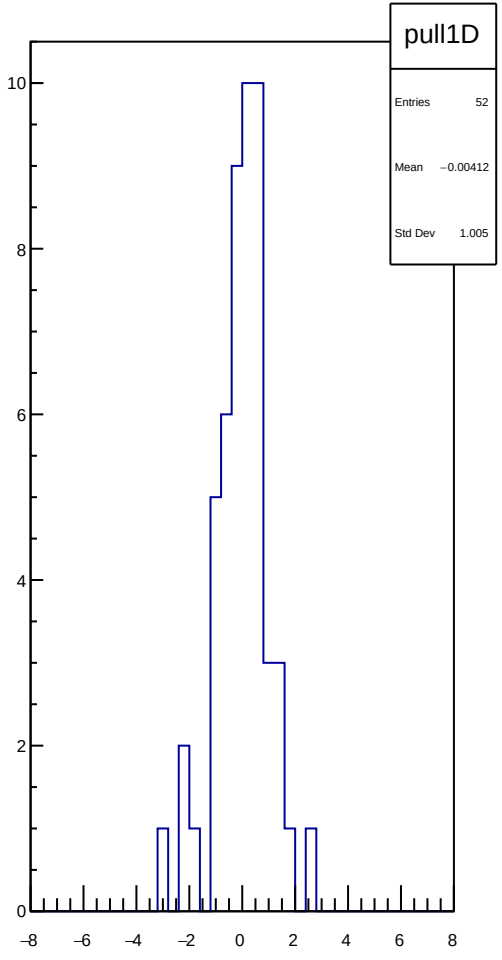

pull1D
Entries 52
Mean 0.02991
Std Dev 0.9914

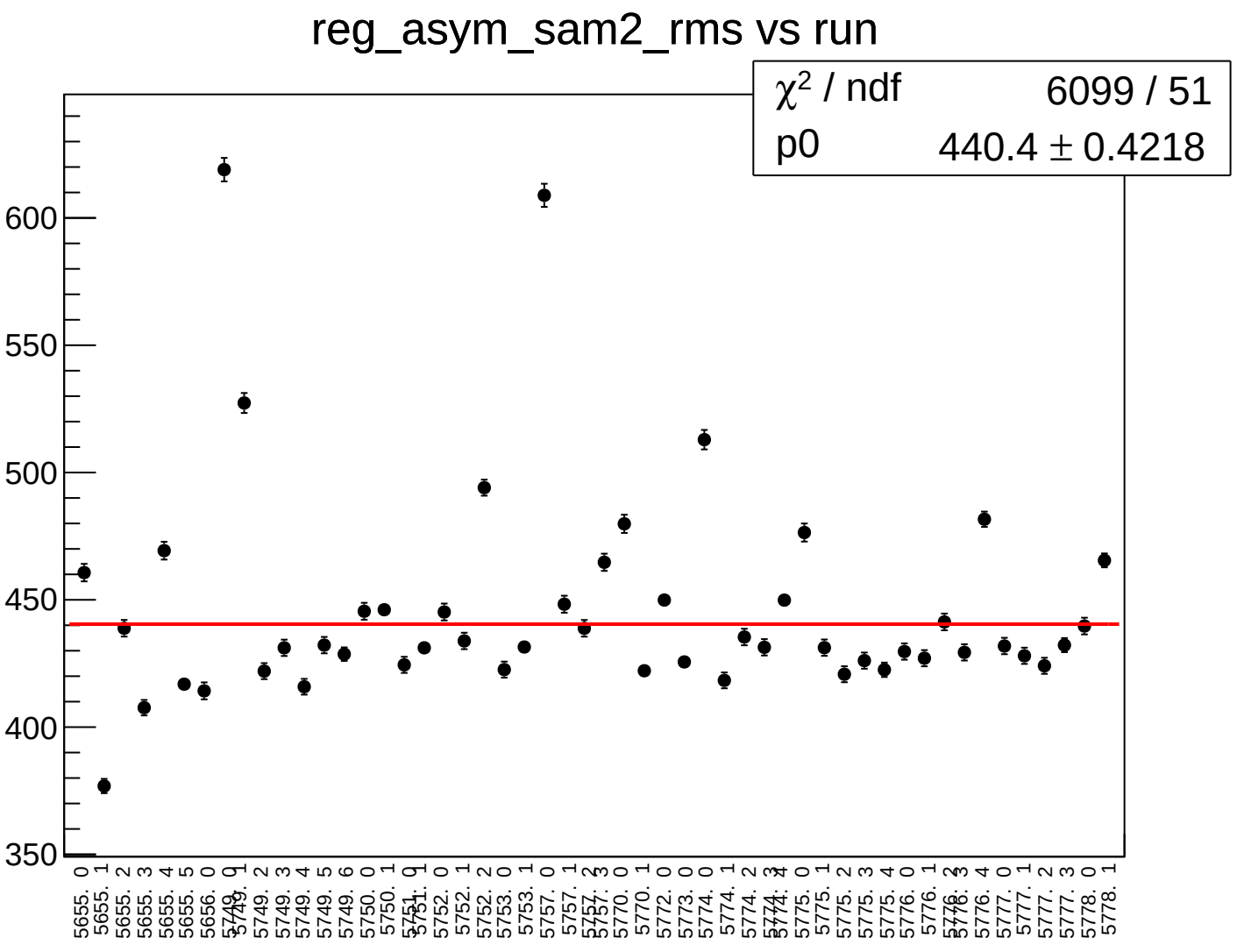

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.161e+05 / 51
p0 50.4 ± 0.05091
160
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

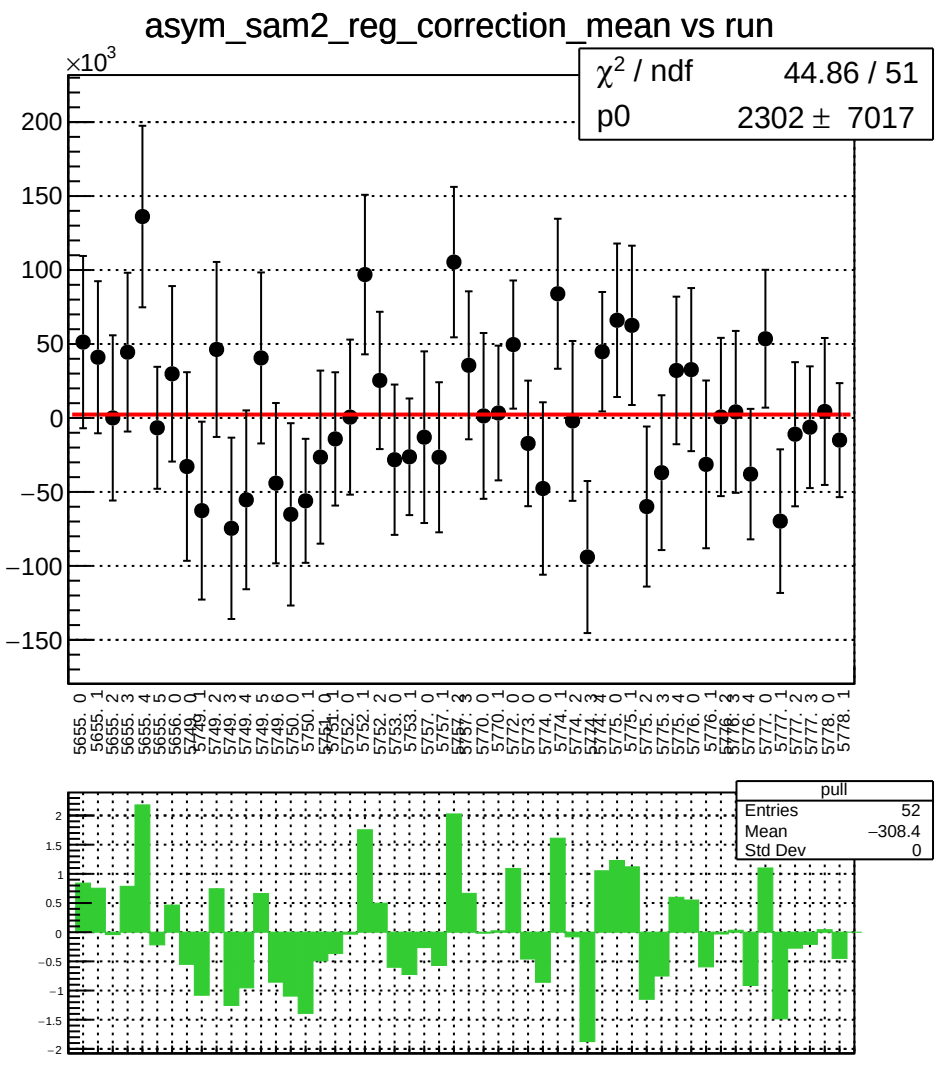

asym_sam1_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 39.31 / 51
p0 6.563e−14 ± 4.287e−14
pull
Entries 52
Mean −7.972
Std Dev 0
pull1D
Entries 52
Mean −0.03817
Std Dev 0.8686

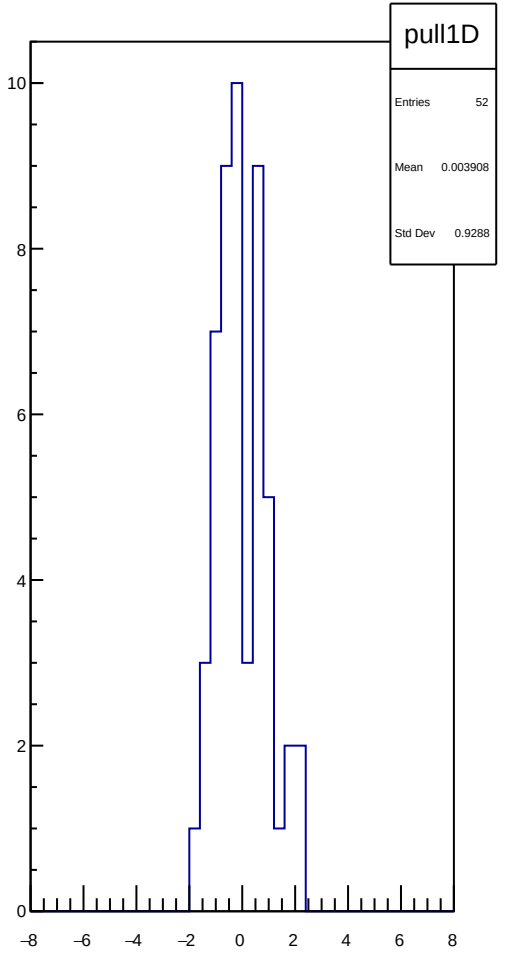

asym_sam1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.233e+05 / 51
p0 2.833e−11 ± 3.031e−14
0.12
0.1
0.08
0.06
0.04
0.02
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

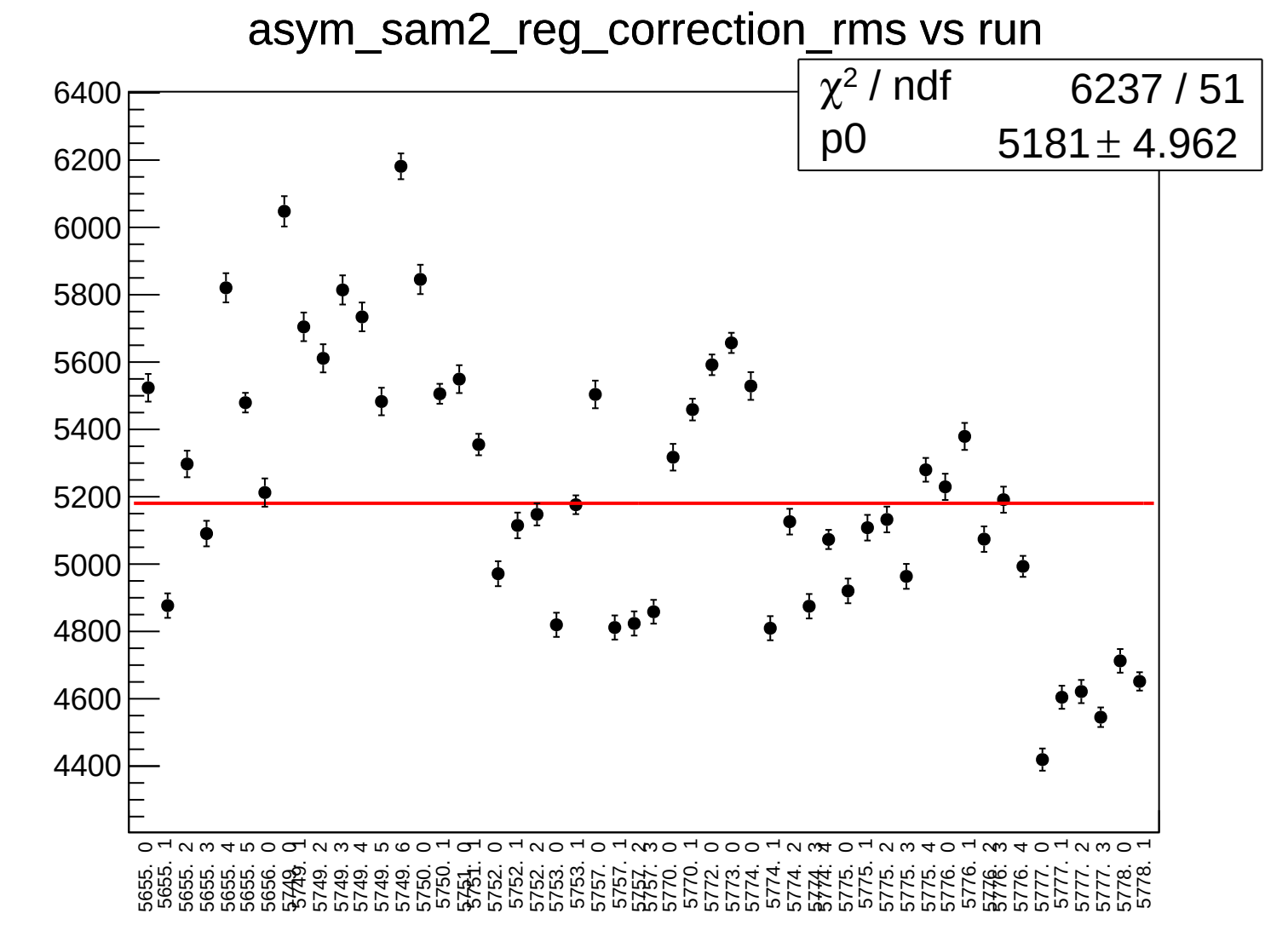

reg_asym_sam2_mean vs run
χ² / ndf 52.49 / 51
p0 638.4 ± 596.5
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 52
Mean 337.2
Std Dev 0
2
1
0
−1
−2
−3

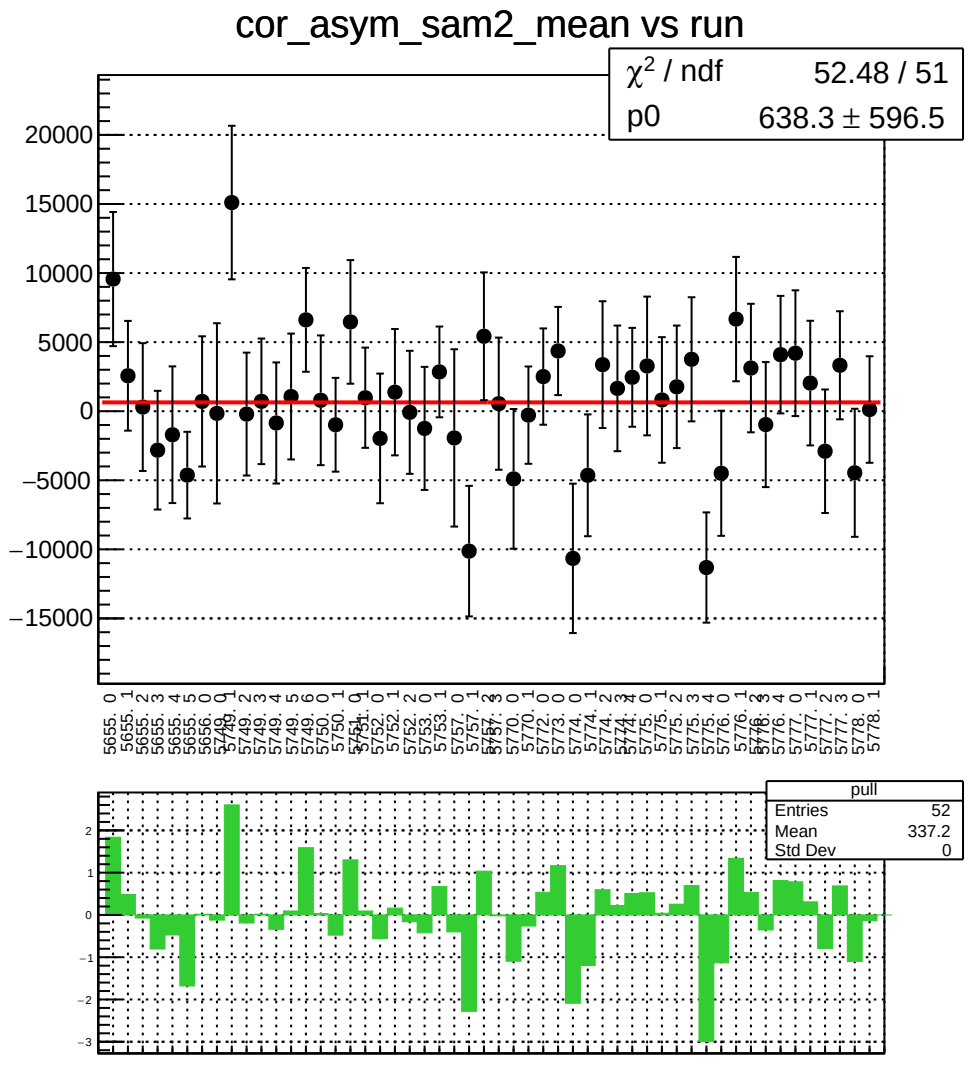

pull1D
Entries 52
Mean −0.00412
Std Dev 1.005
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

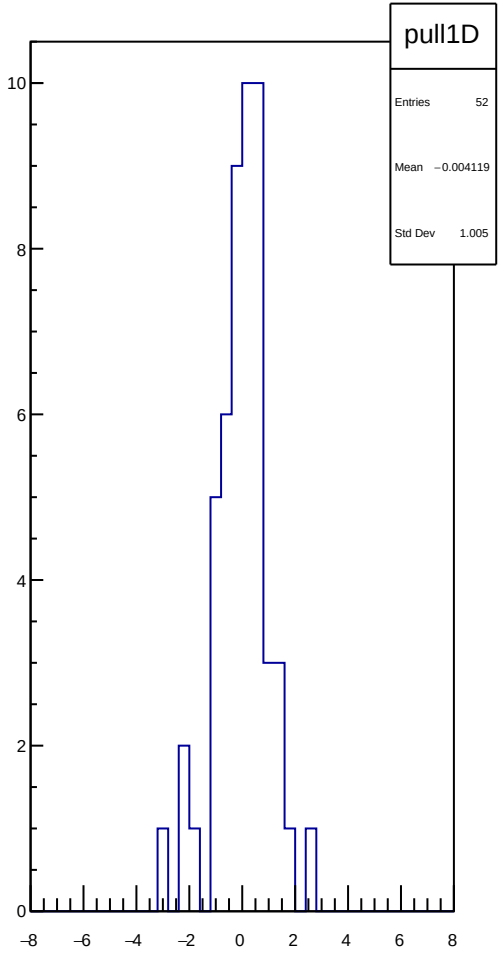

reg_asym_sam2_rms vs run
χ² / ndf 6099 / 51
p0 440.4 ± 0.4218
600
550
500
450
400
350
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

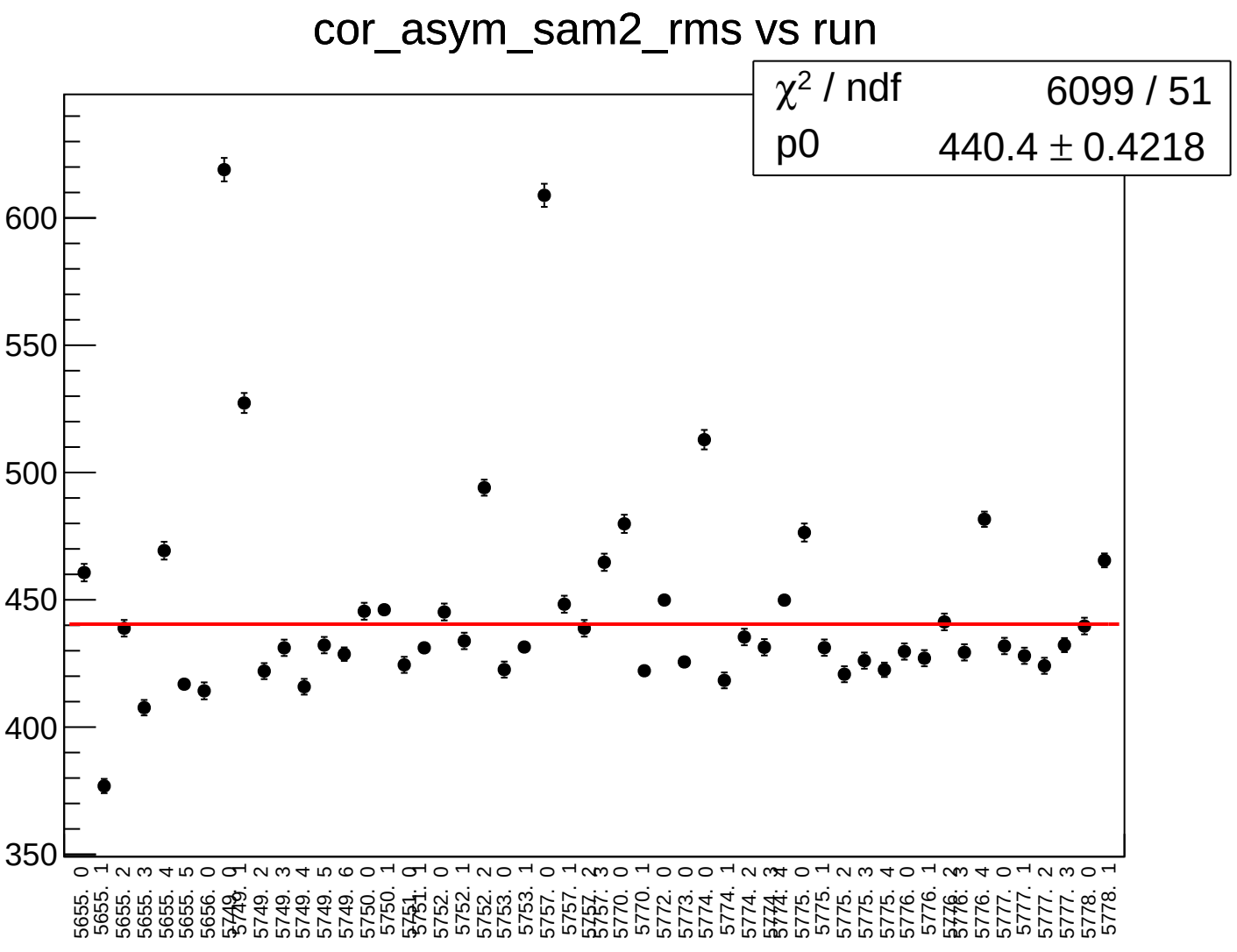

asym_sam2_reg_correction_mean vs run
×10^3
χ² / ndf 44.86 / 51
p0 2302 ± 7017
pull
Entries 52
Mean −308.4
Std Dev 0

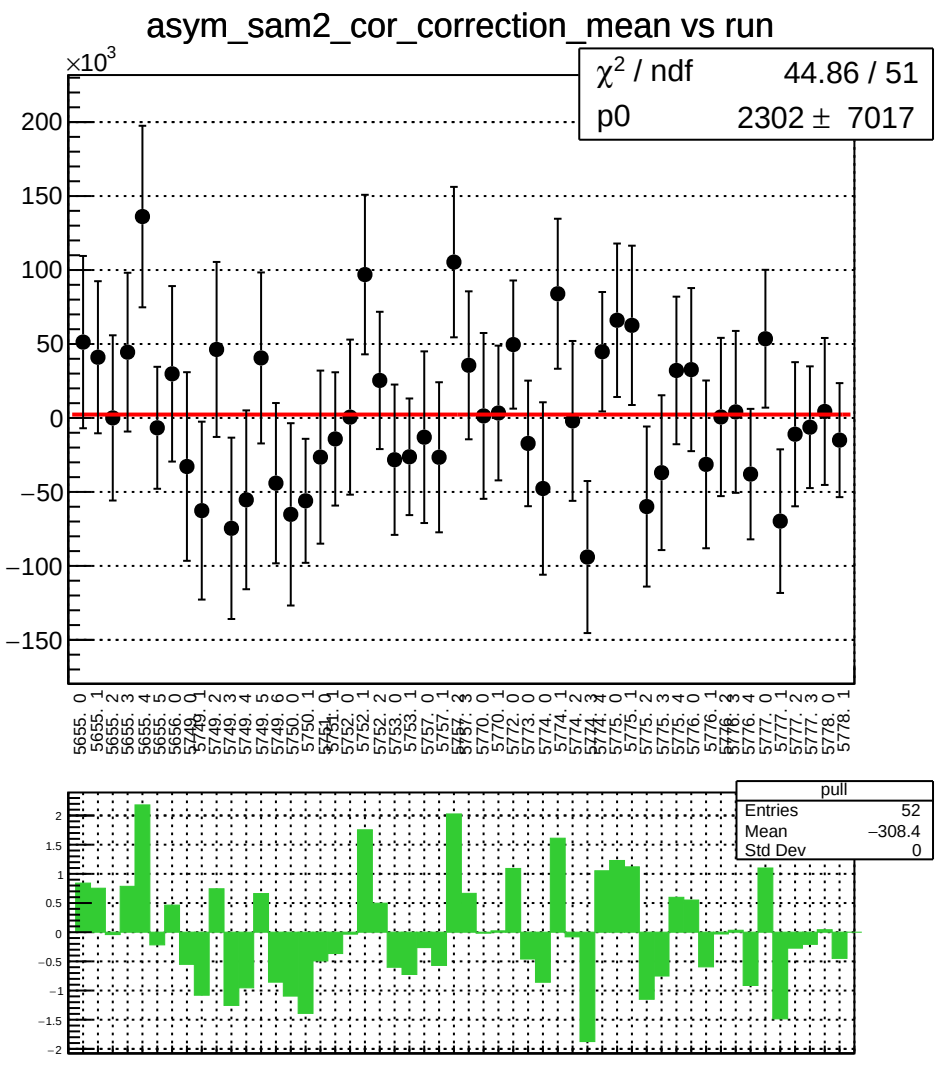

pull1D
Entries 52
Mean 0.003908
Std Dev 0.9288

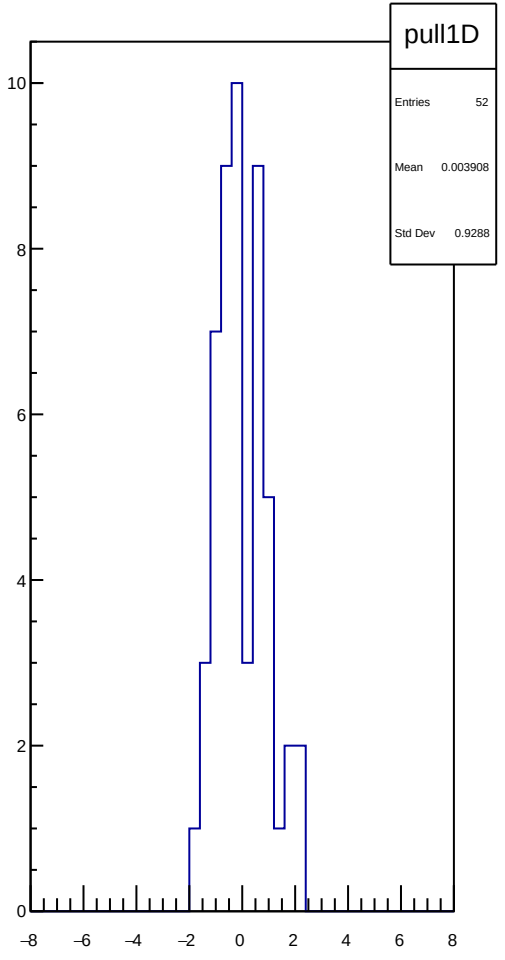

asym_sam2_reg_correction_rms vs run
χ² / ndf 6237 / 51
p0 5181 ± 4.962
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

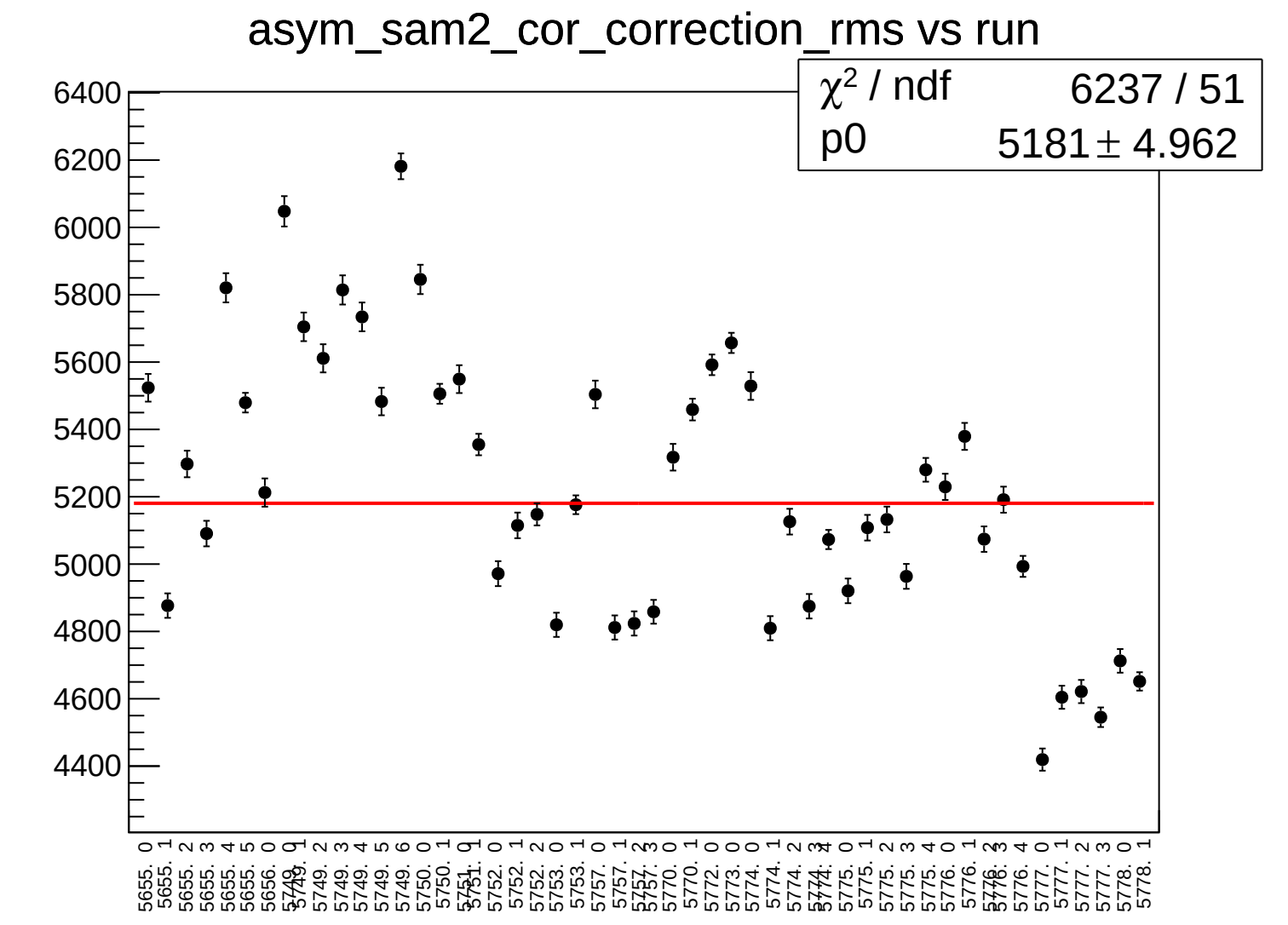

cor_asym_sam2_mean vs run
χ² / ndf 52.48 / 51
p0 638.3 ± 596.5
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 52
Mean 337.2
Std Dev 0
2
1
0
−1
−2
−3

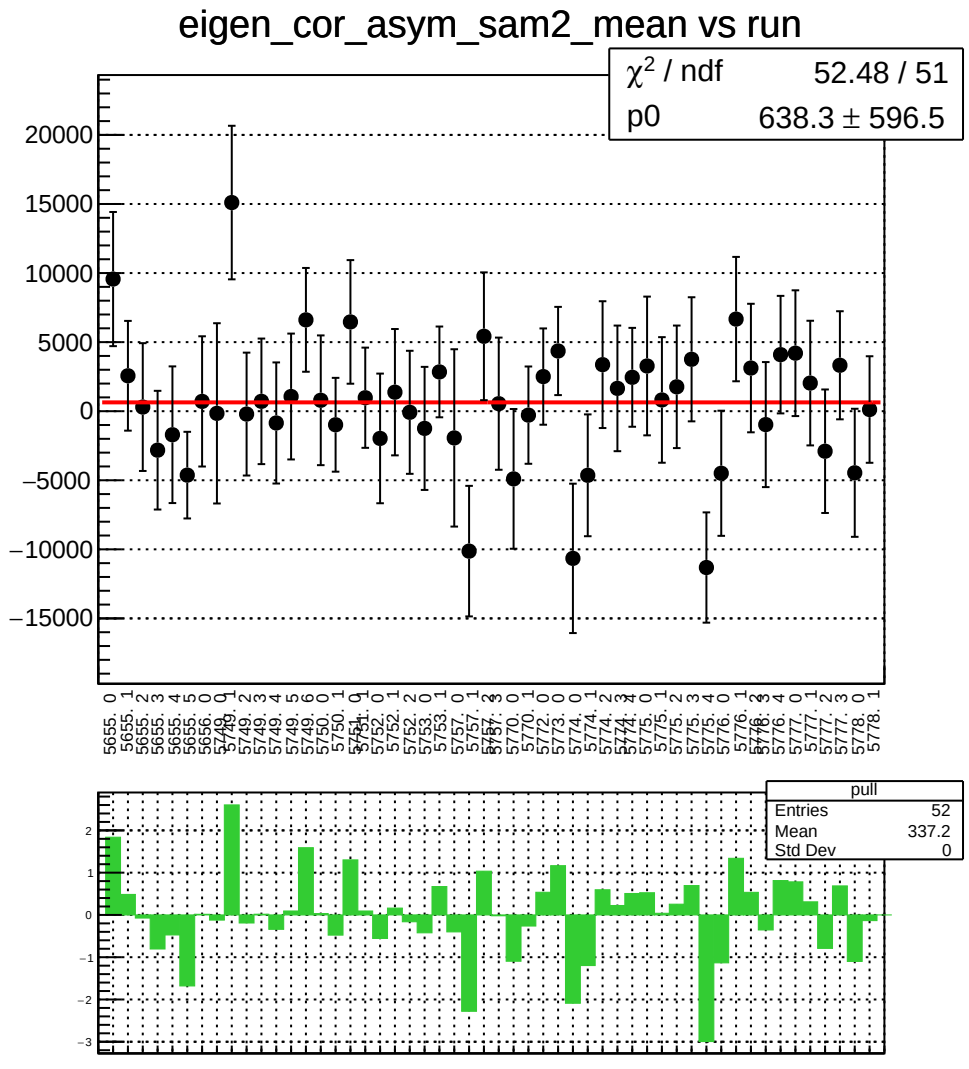

pull1D
Entries 52
Mean −0.004119
Std Dev 1.005
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

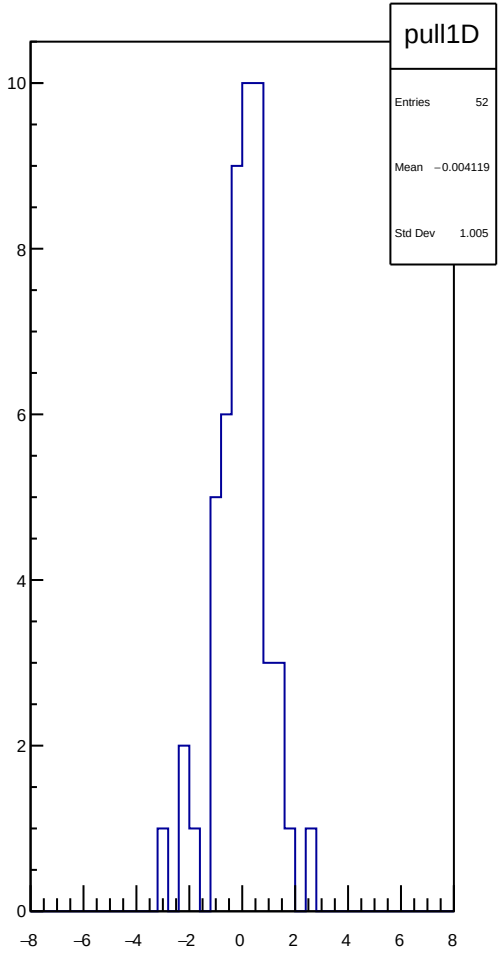

cor_asym_sam2_rms vs run
χ² / ndf 6099 / 51
p0 440.4 ± 0.4218
600
550
500
450
400
350
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

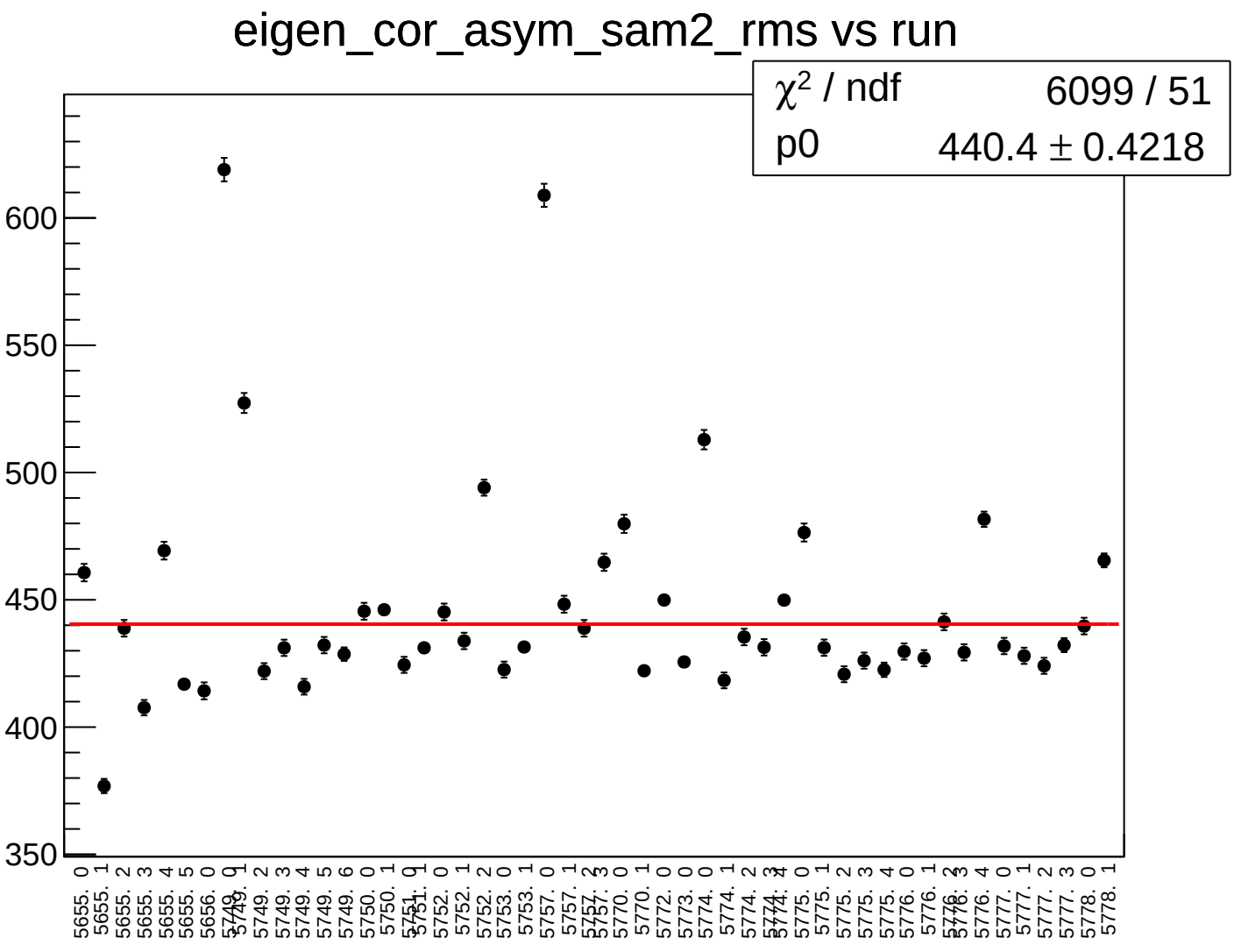

asym_sam2_cor_correction_mean vs run
×10^3
χ² / ndf 44.86 / 51
p0 2302 ± 7017
200
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean −308.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

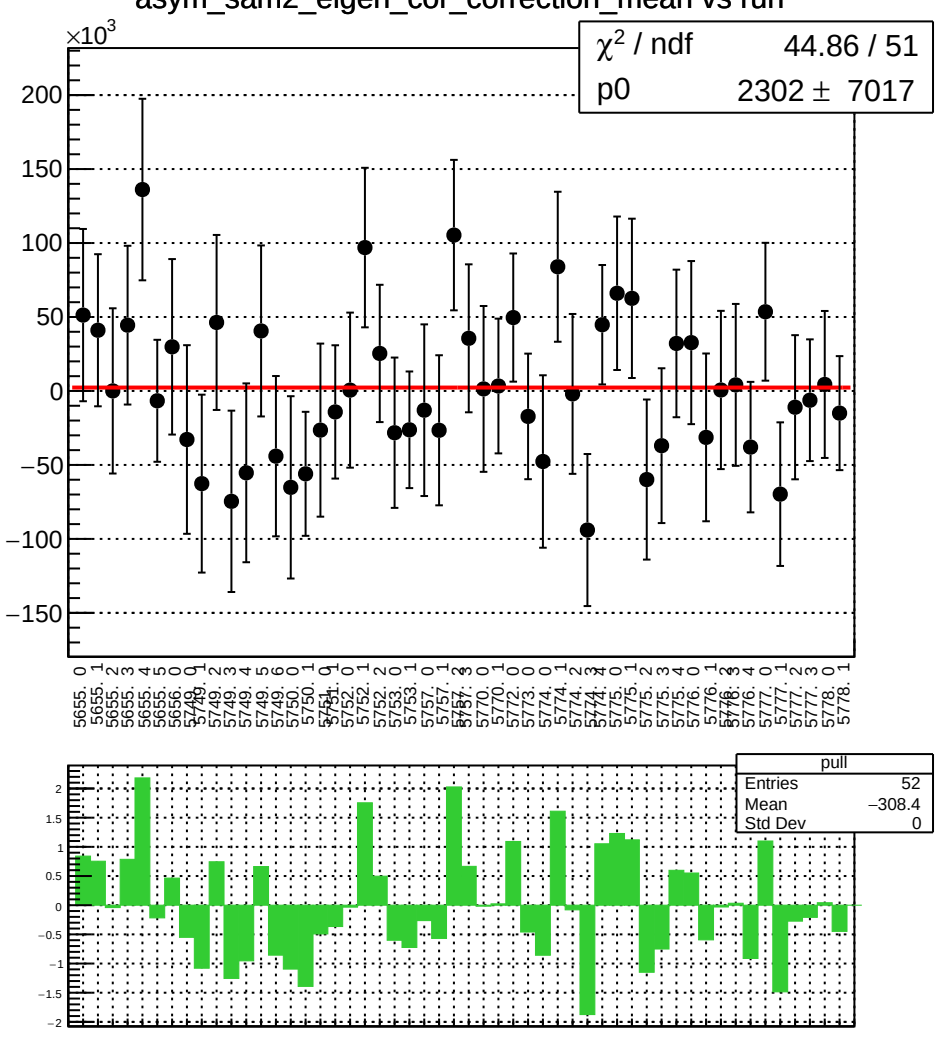

pull1D
Entries 52
Mean 0.003908
Std Dev 0.9288
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

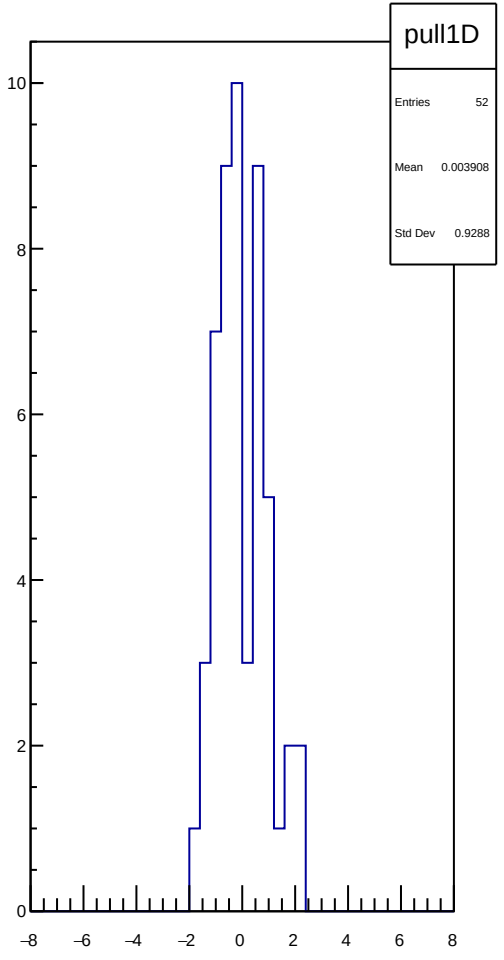

asym_sam2_cor_correction_rms vs run
χ² / ndf 6237 / 51
p0 5181 ± 4.962
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

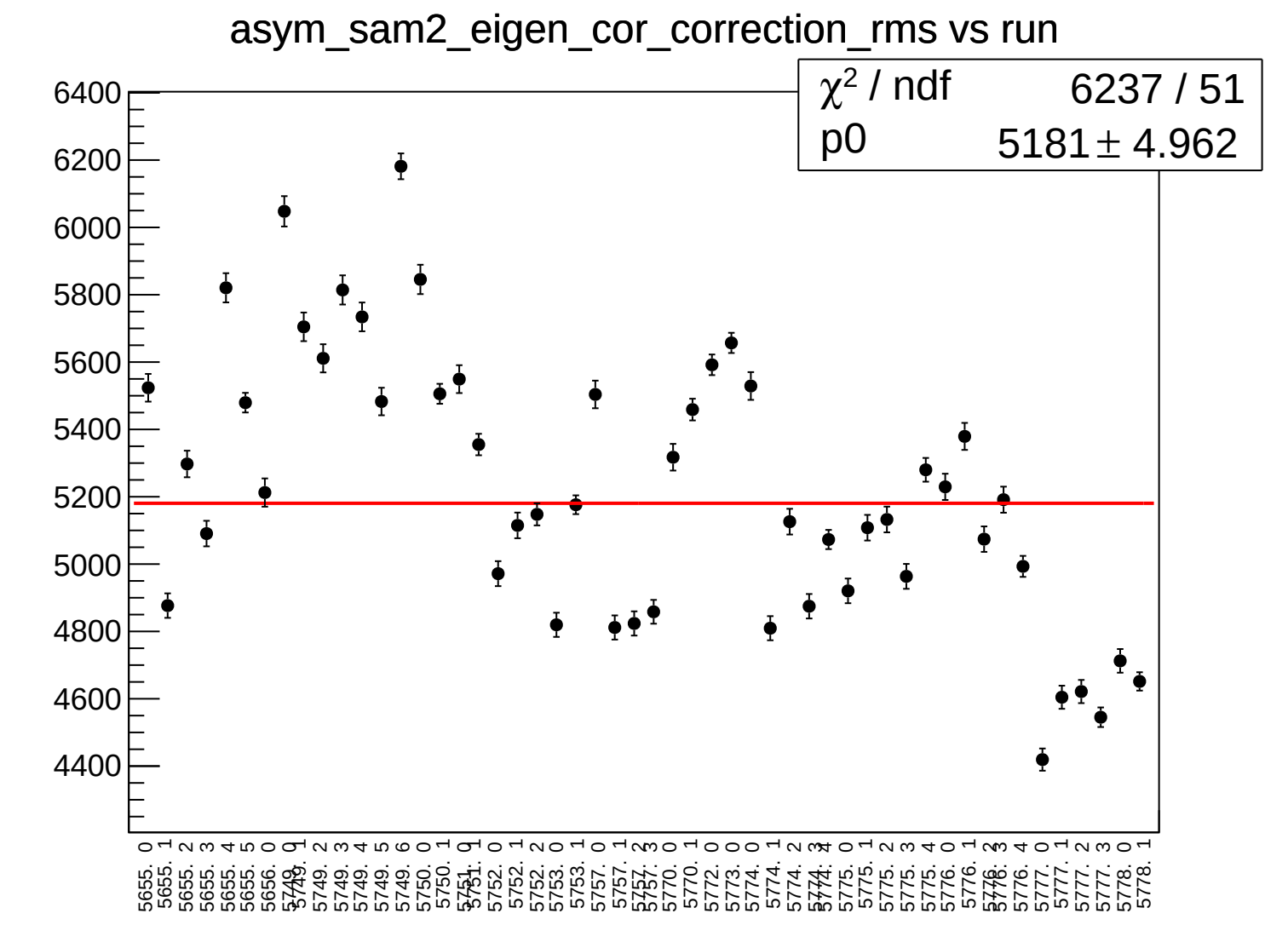

eigen_cor_asym_sam2_mean vs run
χ² / ndf 52.48 / 51
p0 638.3 ± 596.5
pull
Entries 52
Mean 337.2
Std Dev 0


pull1D
Entries 52
Mean −0.004119
Std Dev 1.005


eigen_cor_asym_sam2_rms vs run
χ² / ndf 6099 / 51
p0 440.4 ± 0.4218
600
550
500
450
400
350
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam2_eigen_cor_correction_mean vs run
χ² / ndf 44.86 / 51
p0 2302 ± 7017
×10³
pull
Entries 52
Mean −308.4
Std Dev 0


pull1D
Entries 52
Mean 0.003908
Std Dev 0.9288


asym_sam2_eigen_cor_correction_rms vs run
χ² / ndf 6237 / 51
p0 5181 ± 4.962
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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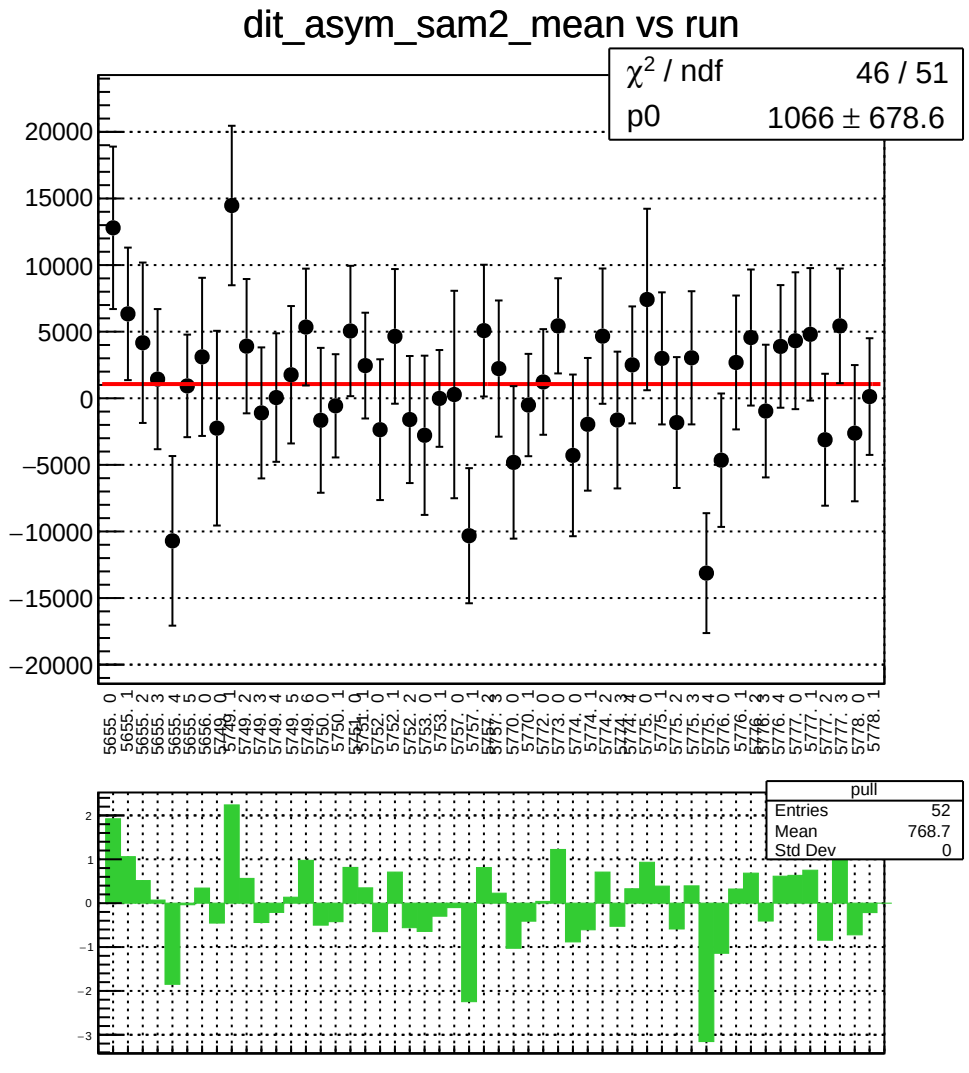
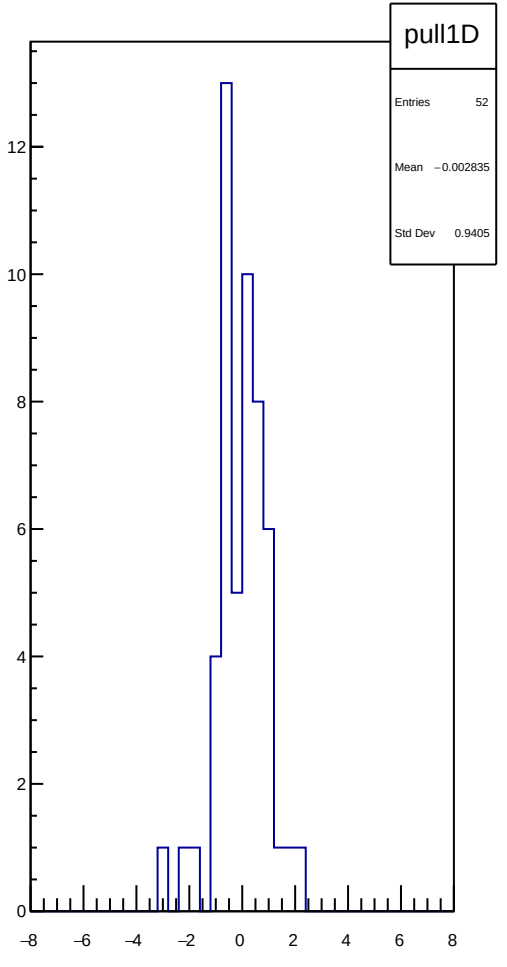
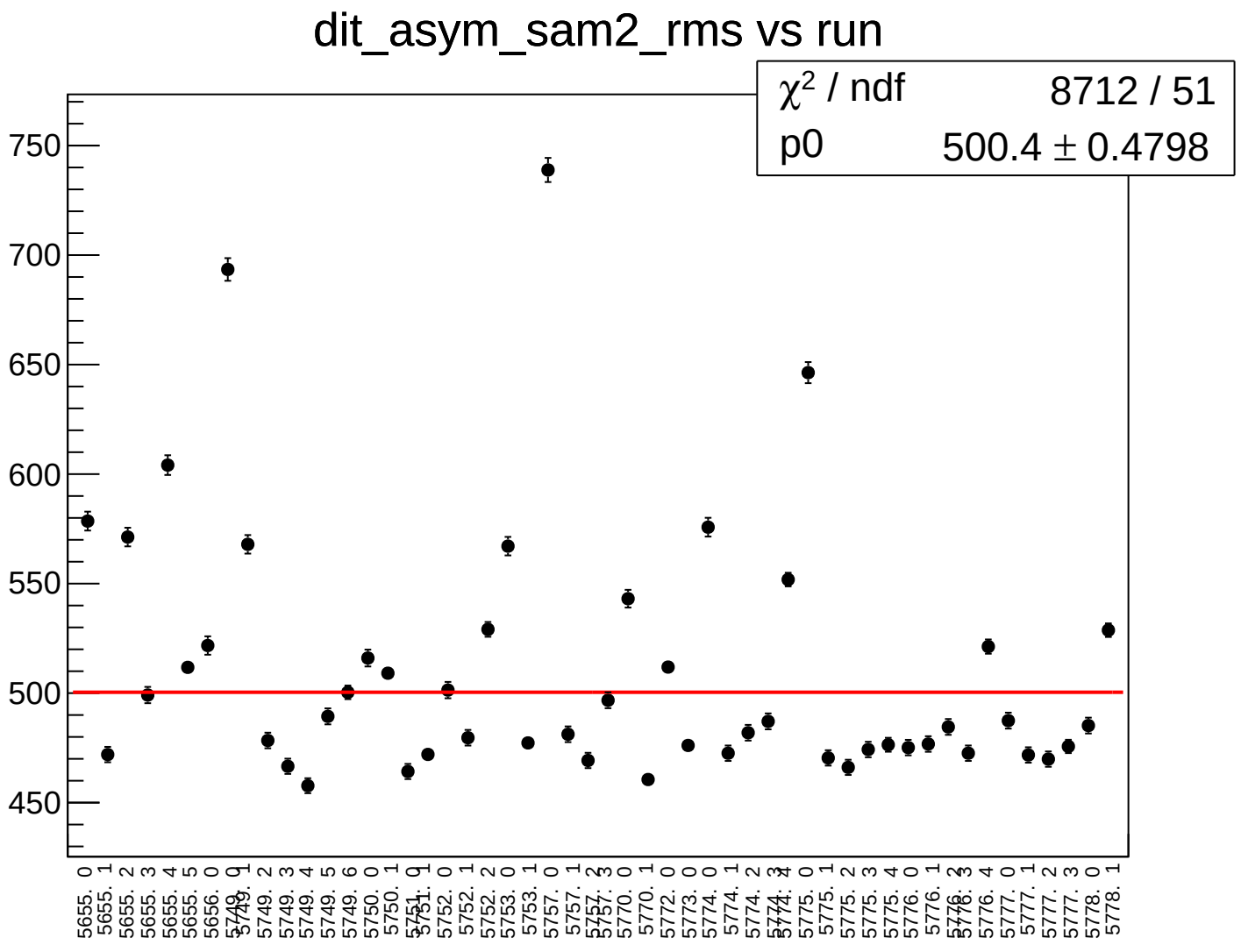
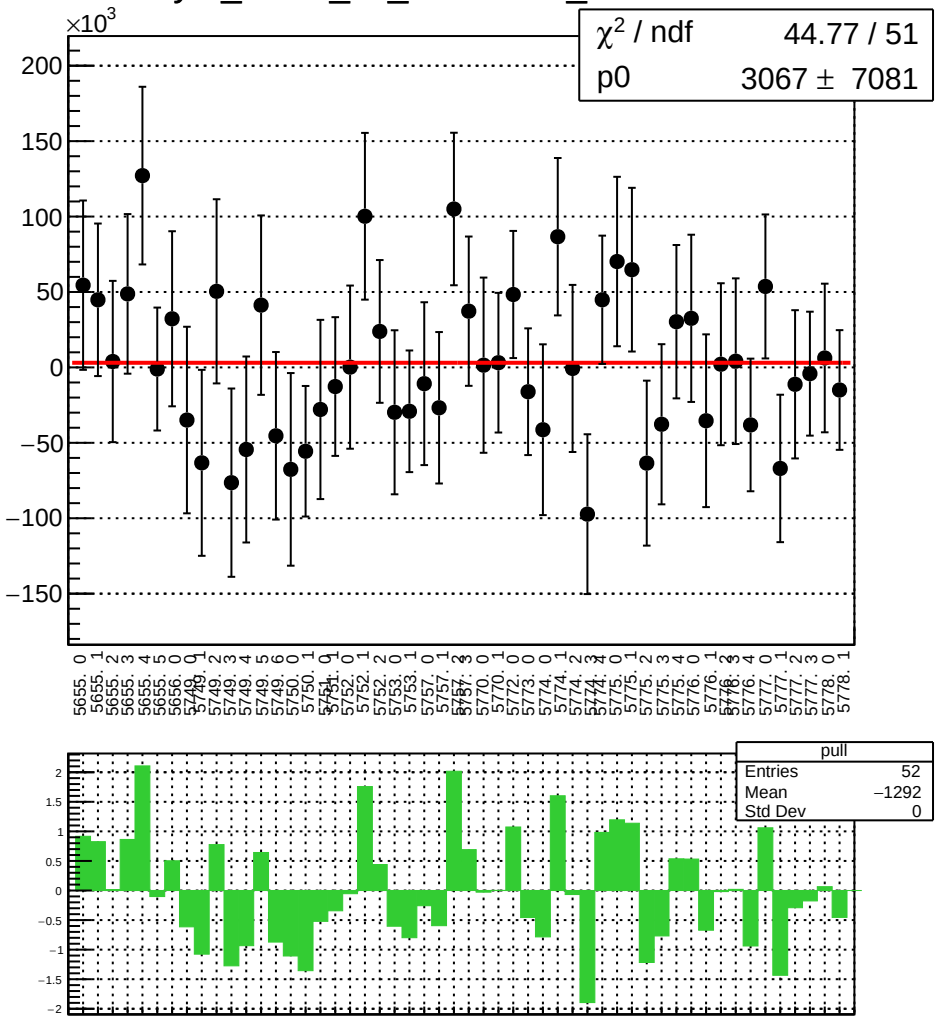
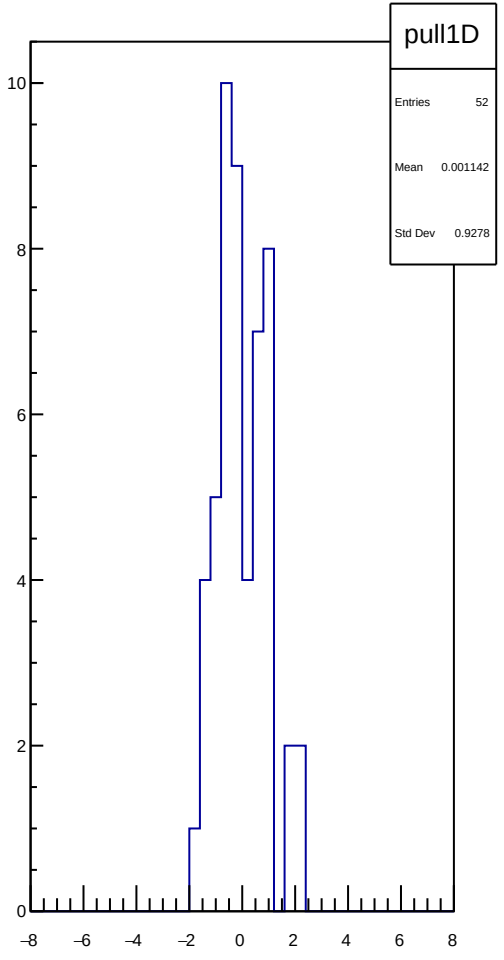
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

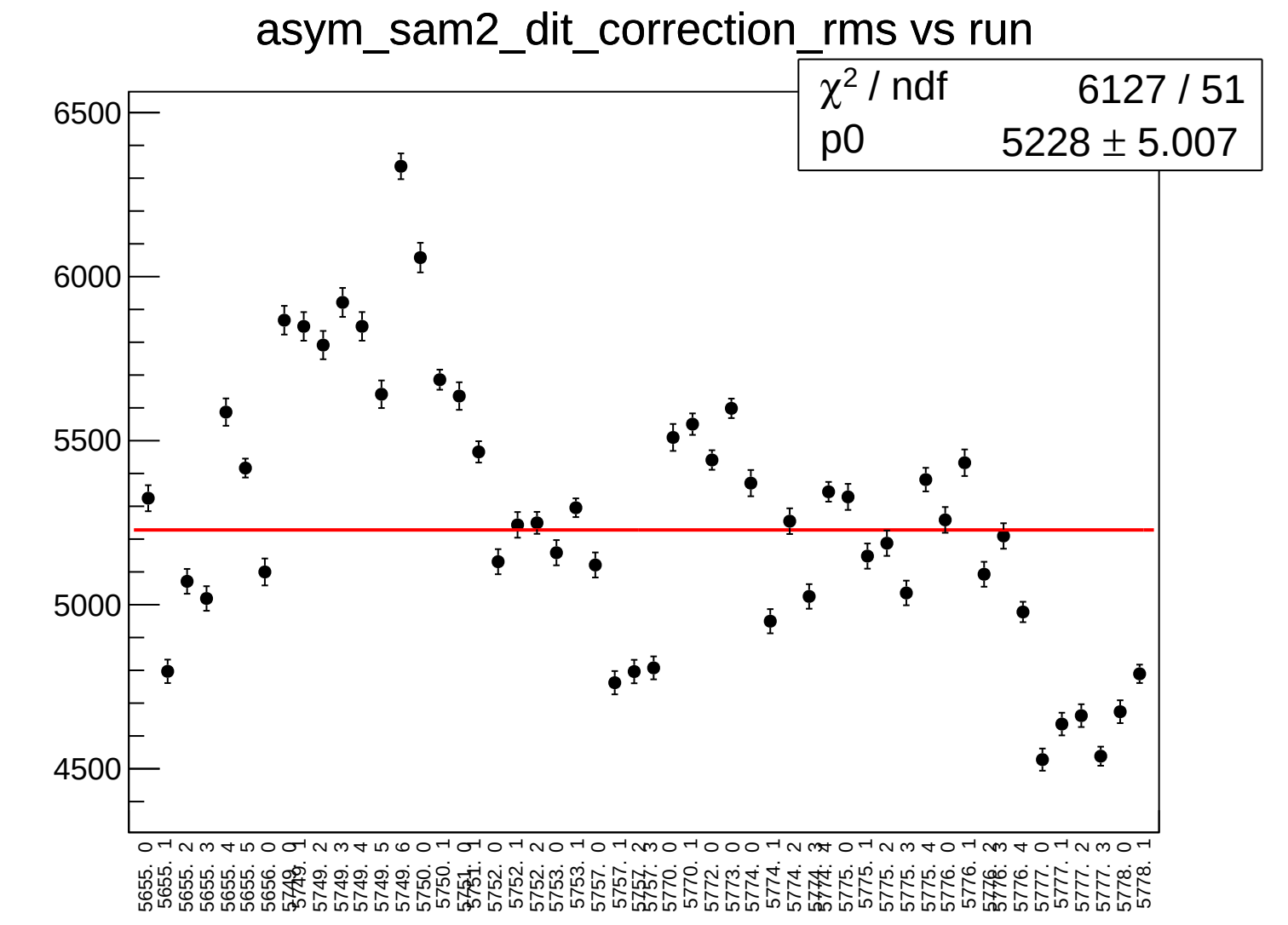

dit_asym_sam2_mean vs run
χ² / ndf 46 / 51
p0 1066 ± 678.6
pull
Entries 52
Mean 768.7
Std Dev 0


pull1D
Entries 52
Mean −0.002835
Std Dev 0.9405


dit_asym_sam2_rms vs run
χ² / ndf 8712 / 51
p0 500.4 ± 0.4798
750
700
650
600
550
500
450
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam2_dit_correction_mean vs run
×10^3
χ² / ndf 44.77 / 51
p0 3067 ± 7081
pull
Entries 52
Mean −1292
Std Dev 0


pull1D
Entries 52
Mean 0.001142
Std Dev 0.9278


asym_sam2_dit_correction_rms vs run
χ² / ndf 6127 / 51
p0 5228 ± 5.007
6500
6000
5500
5000
4500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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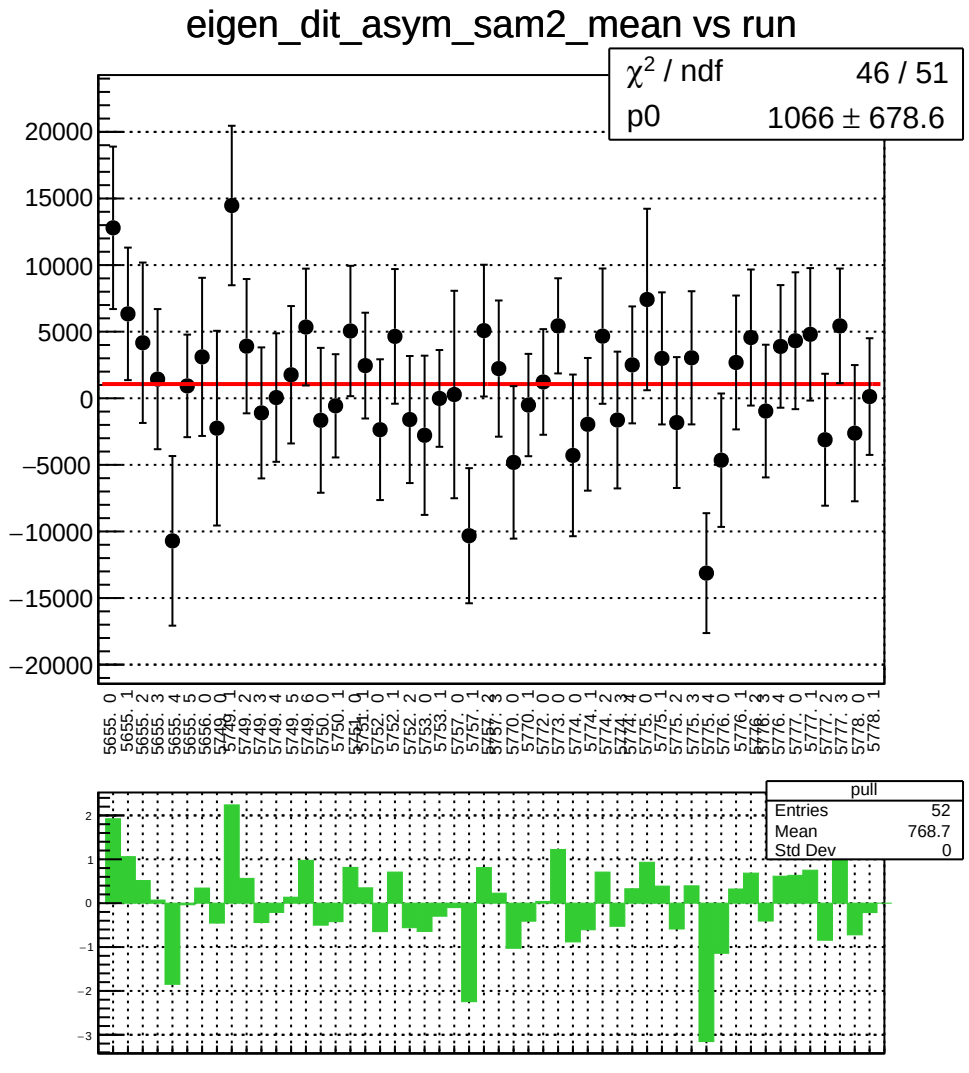
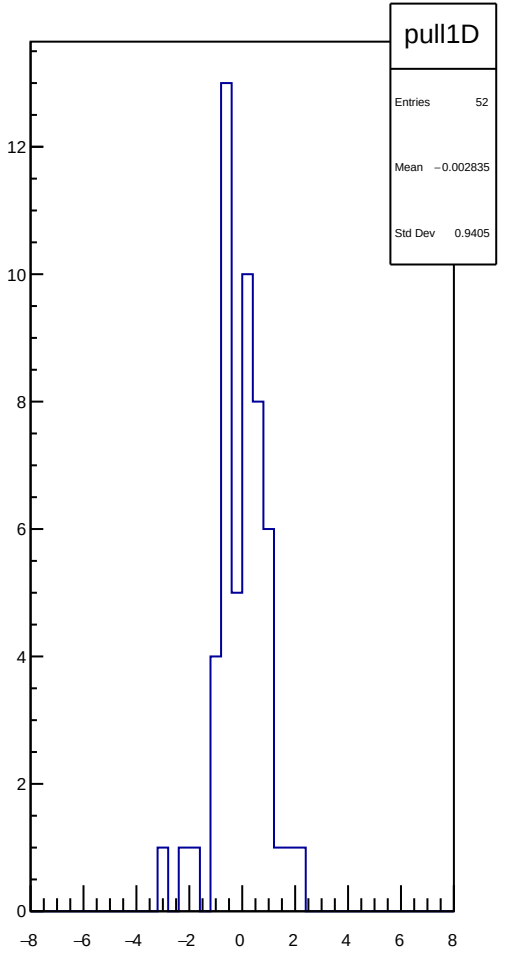
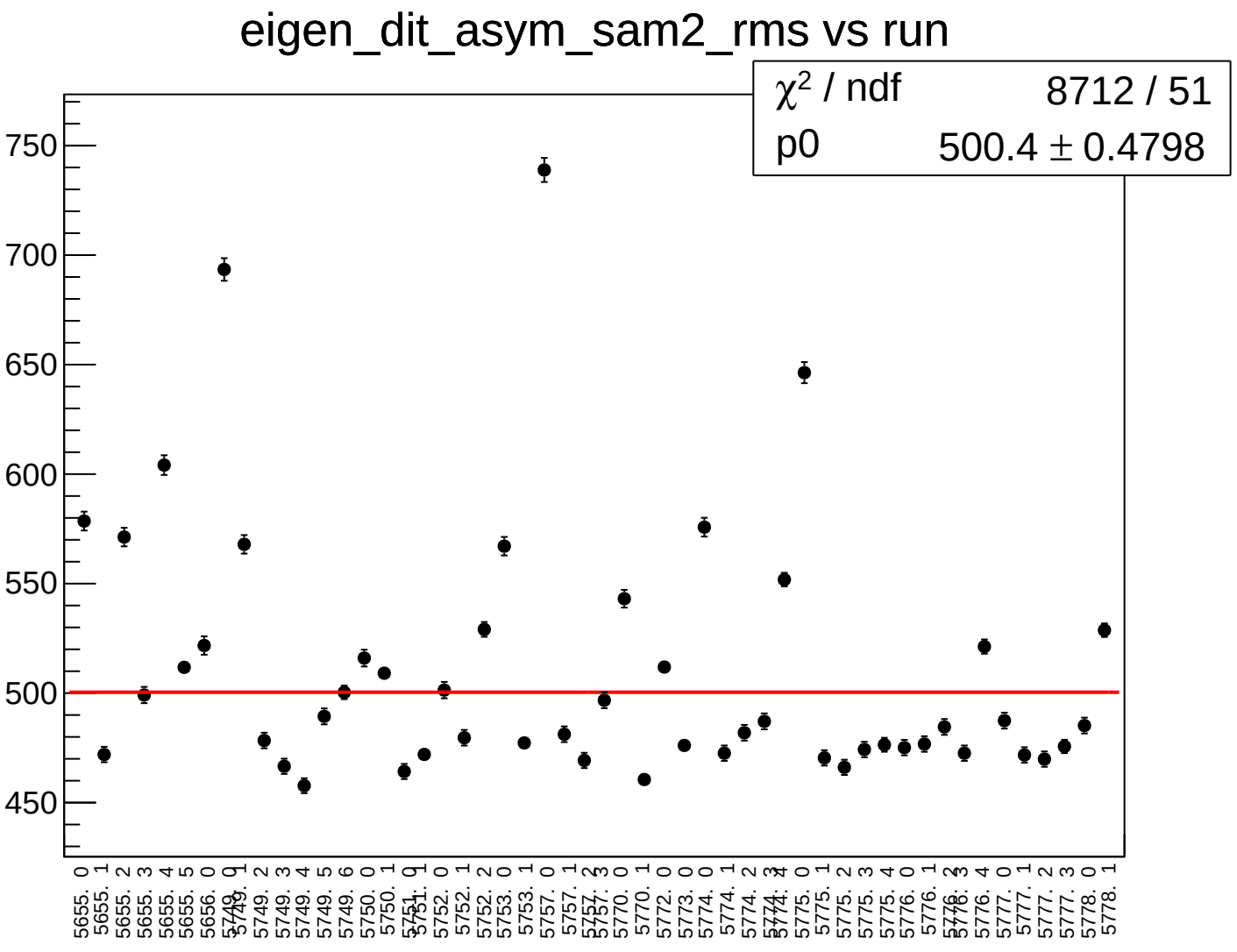
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_dit_asym_sam2_mean vs run
χ² / ndf 46 / 51
p0 1066 ± 678.6
pull
Entries 52
Mean 768.7
Std Dev 0


pull1D
Entries 52
Mean −0.002835
Std Dev 0.9405


eigen_dit_asym_sam2_rms vs run
χ² / ndf 8712 / 51
p0 500.4 ± 0.4798
750
700
650
600
550
500
450
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
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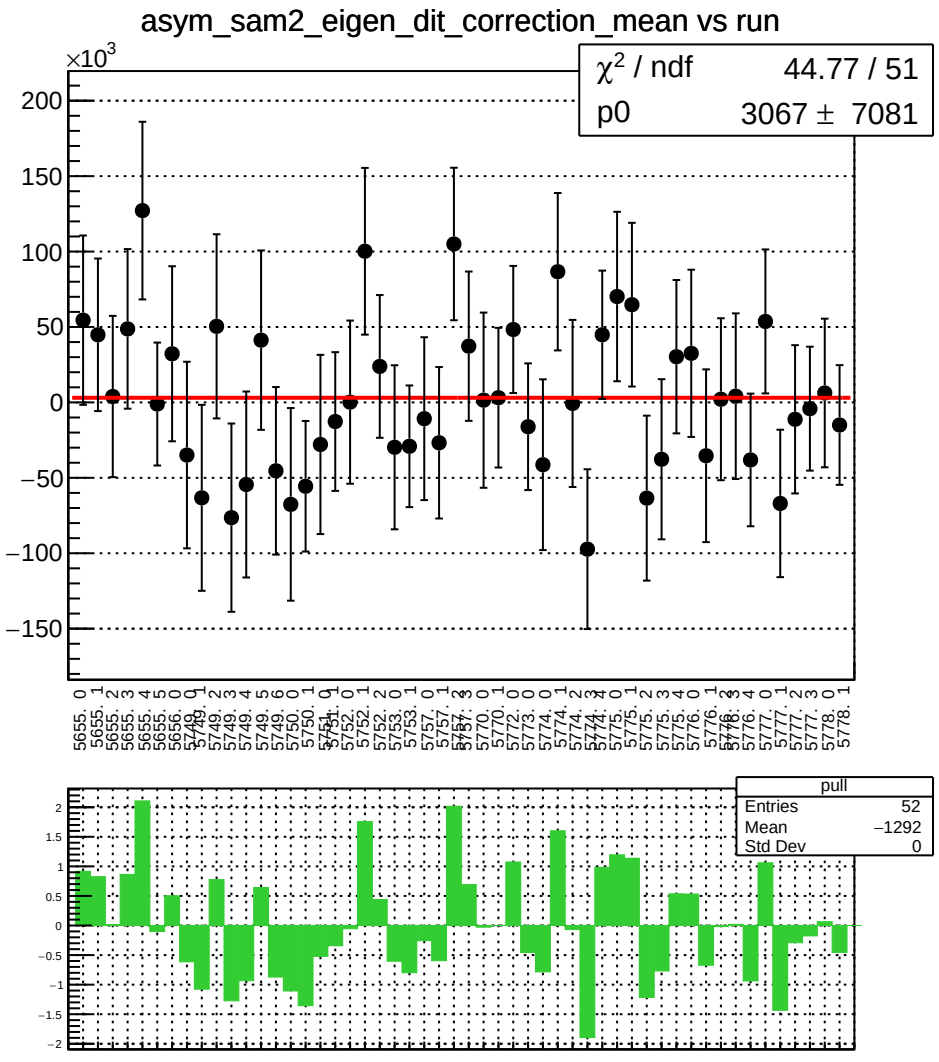
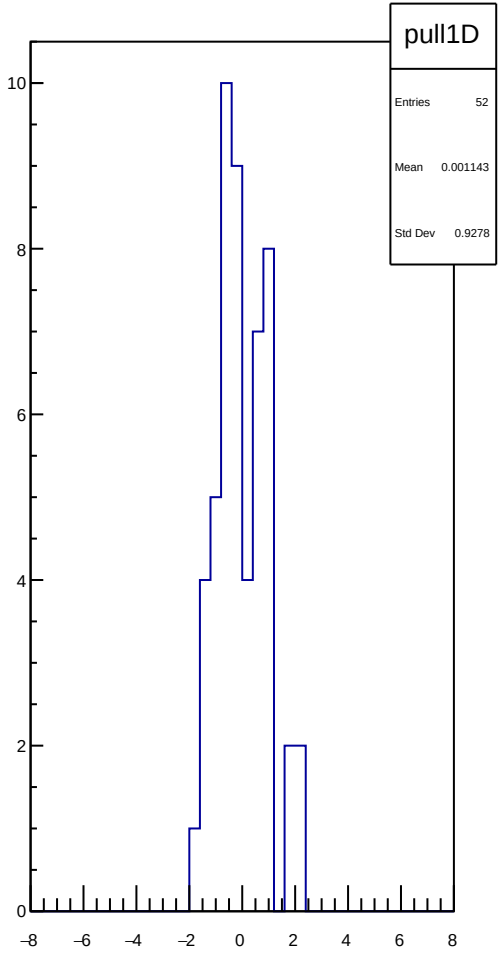
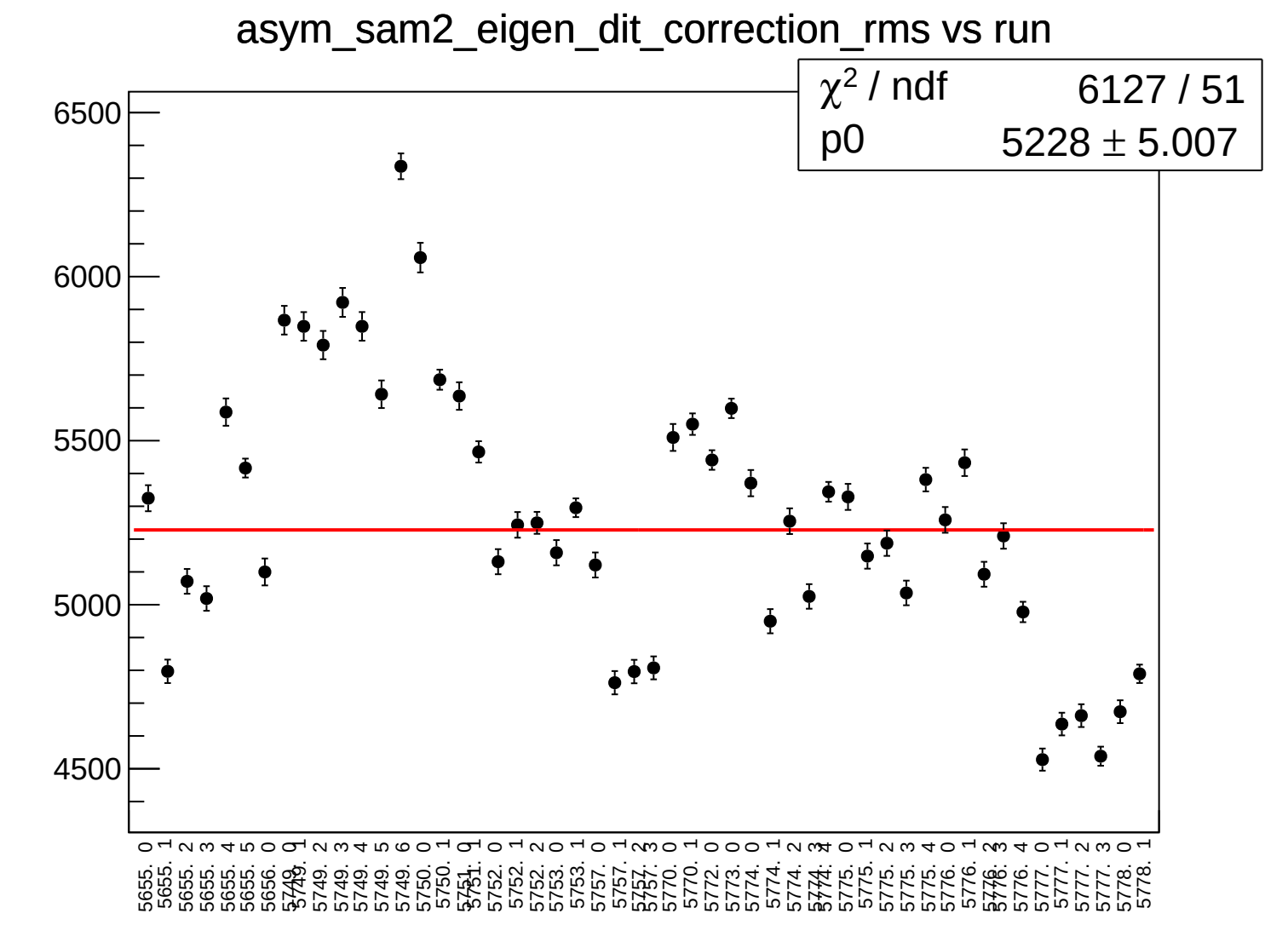
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 44.77 / 51
p0 3067 ± 7081
pull
Entries 52
Mean −1292
Std Dev 0


pull1D
Entries 52
Mean 0.001143
Std Dev 0.9278


asym_sam2_eigen_dit_correction_rms vs run
χ² / ndf 6127 / 51
p0 5228 ± 5.007
6500
6000
5500
5000
4500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
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5752. 0
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5753. 0
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5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5773. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
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5776. 0
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5776. 3
5776. 4
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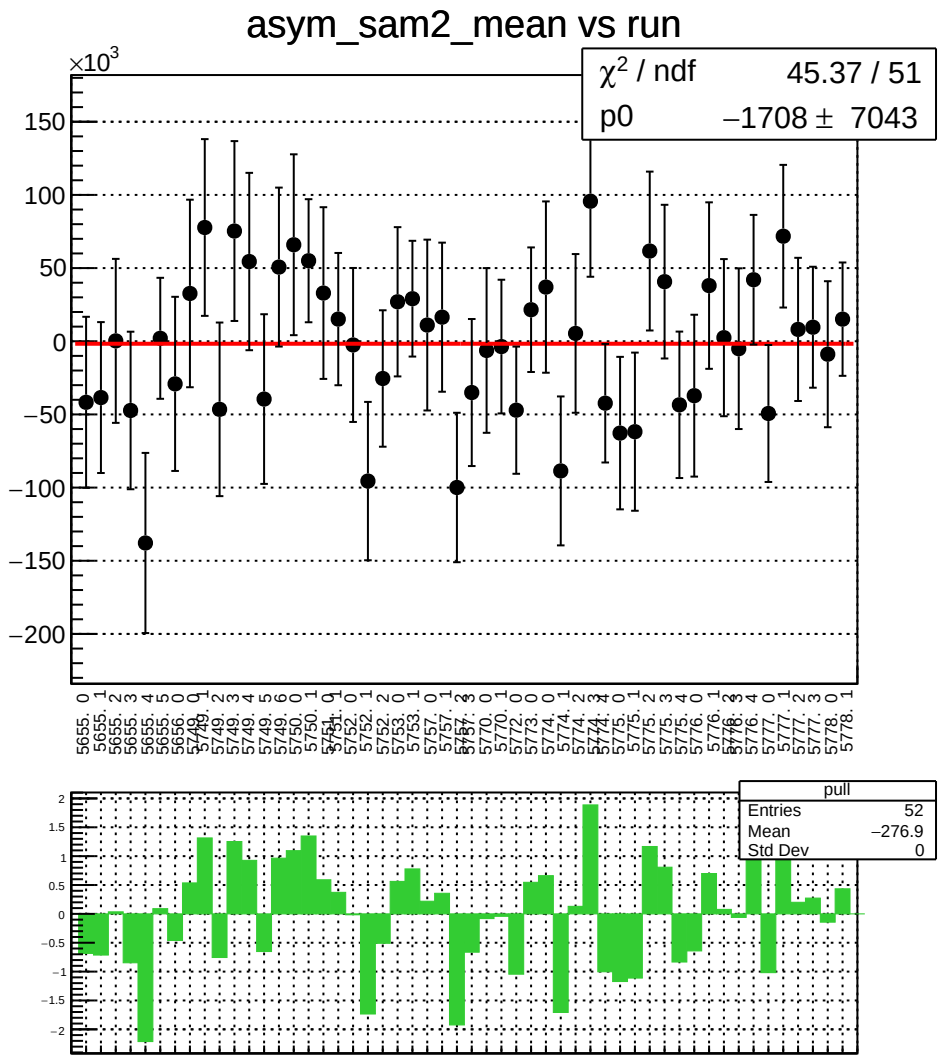
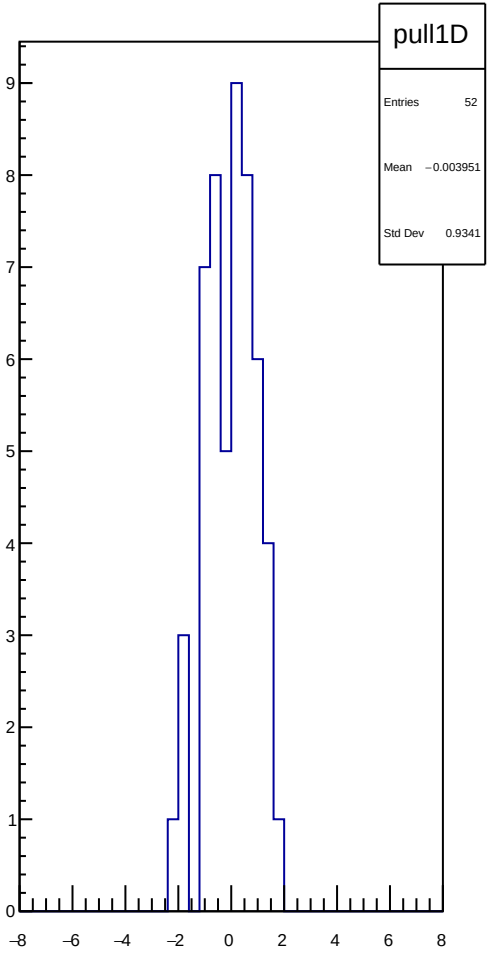
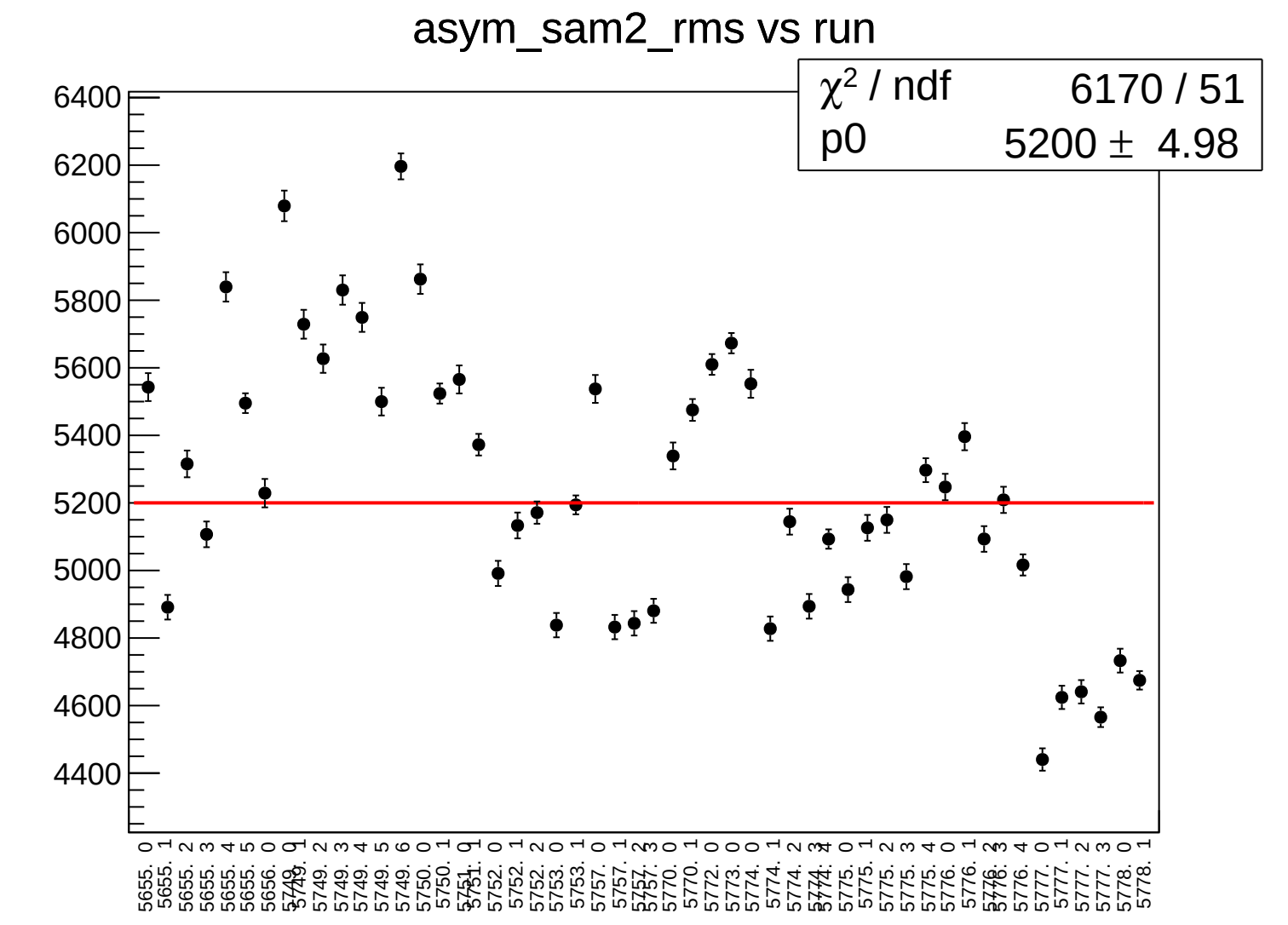
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam2_mean vs run
×10^3
χ² / ndf 45.37 / 51
p0 −1708 ± 7043
150
100
50
0
−50
−100
−150
−200
pull
Entries 52
Mean −276.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean −0.003951
Std Dev 0.9341
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam2_rms vs run
χ² / ndf 6170 / 51
p0 5200 ± 4.98
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5750. 1
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5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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5757. 3
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5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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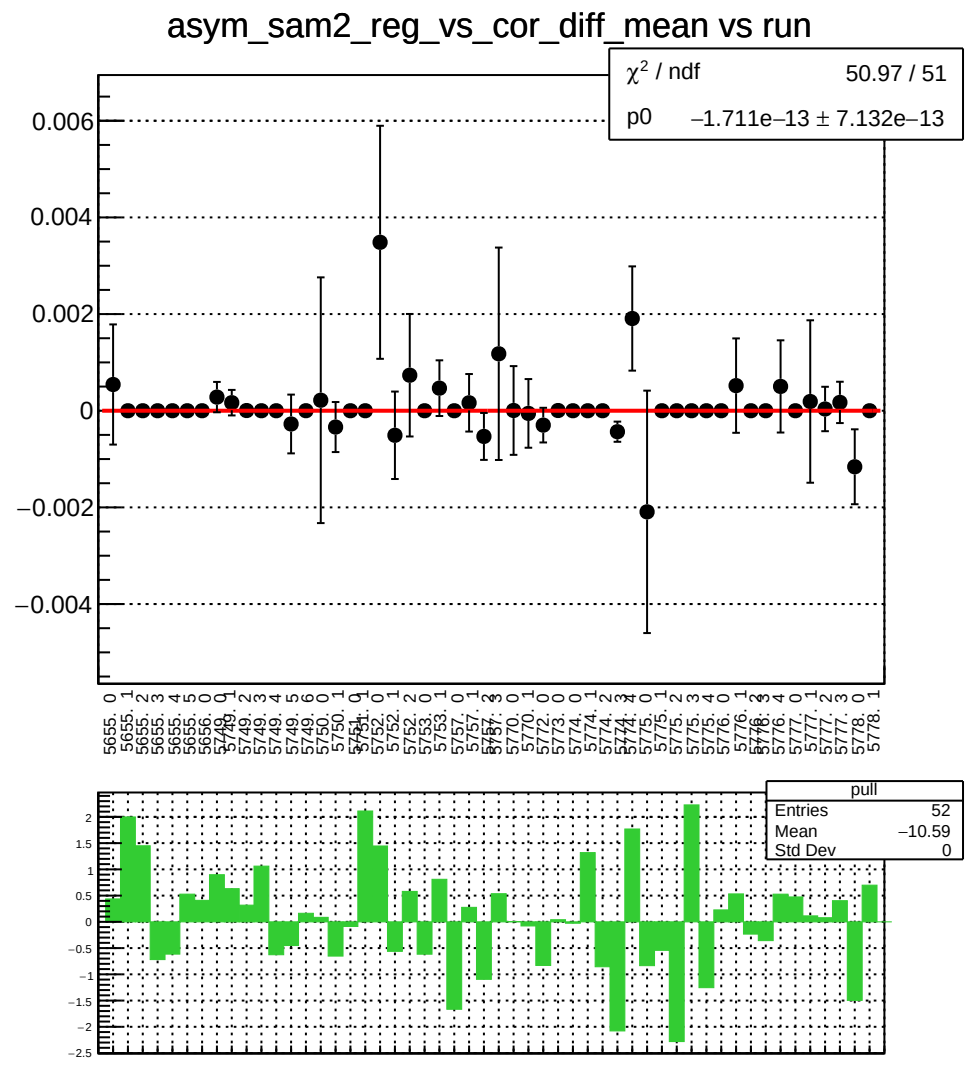
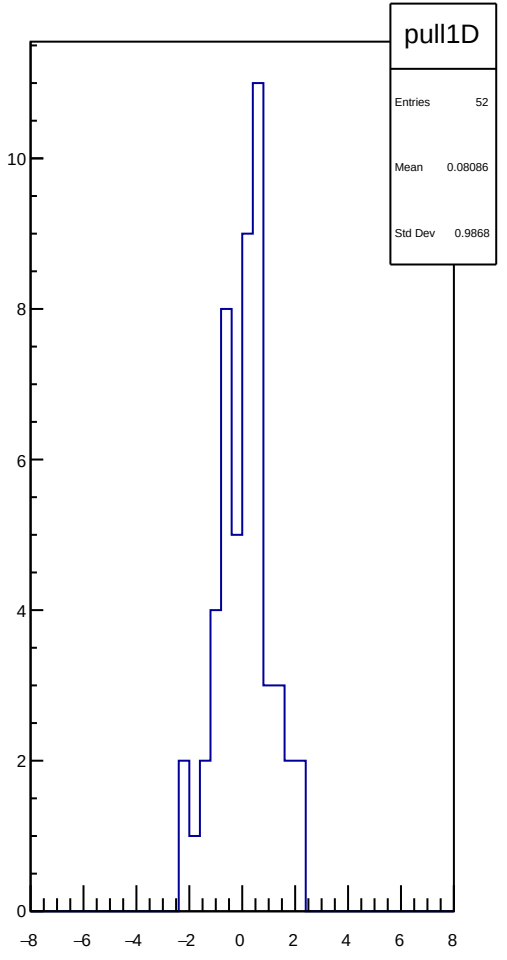
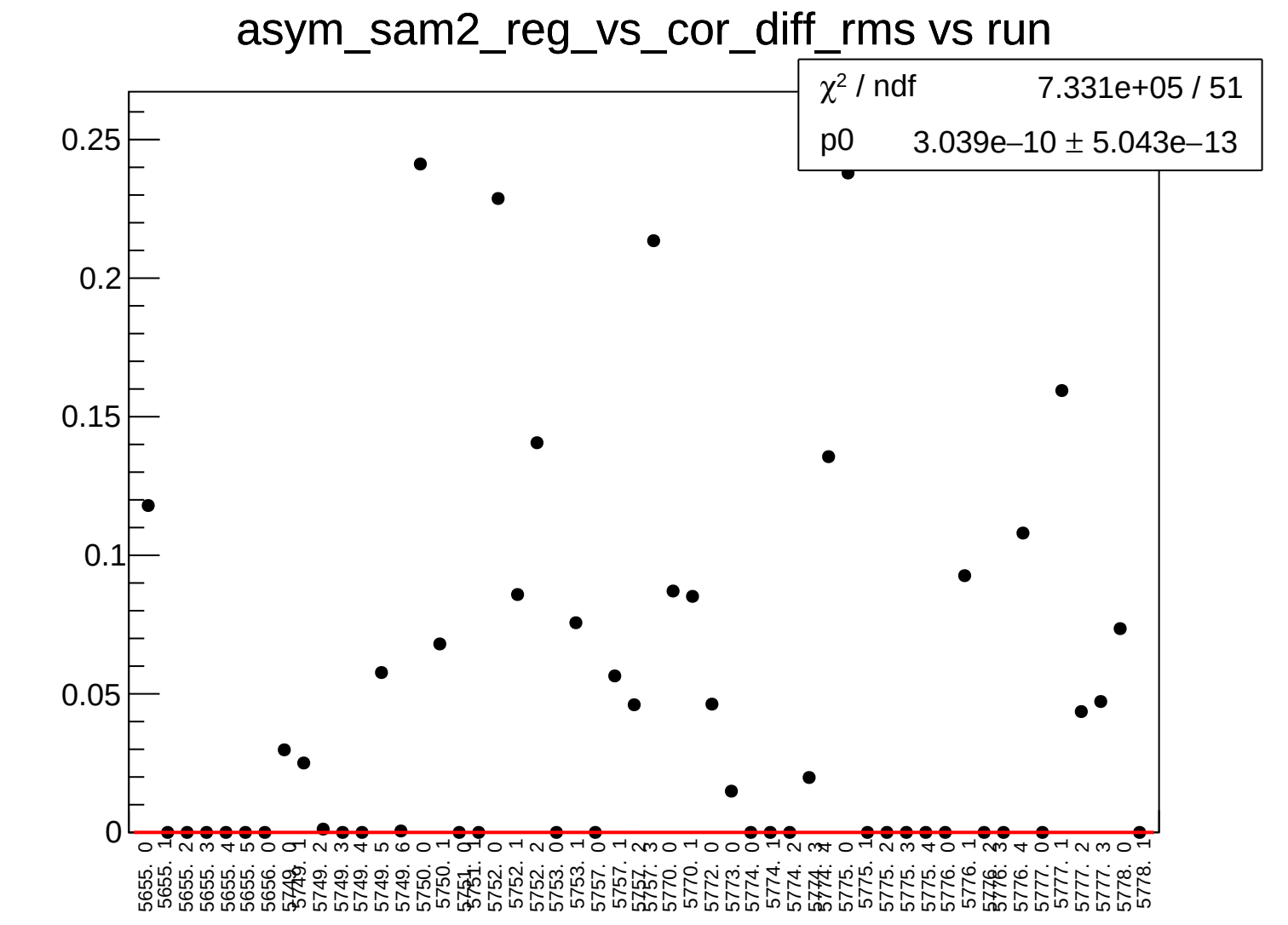
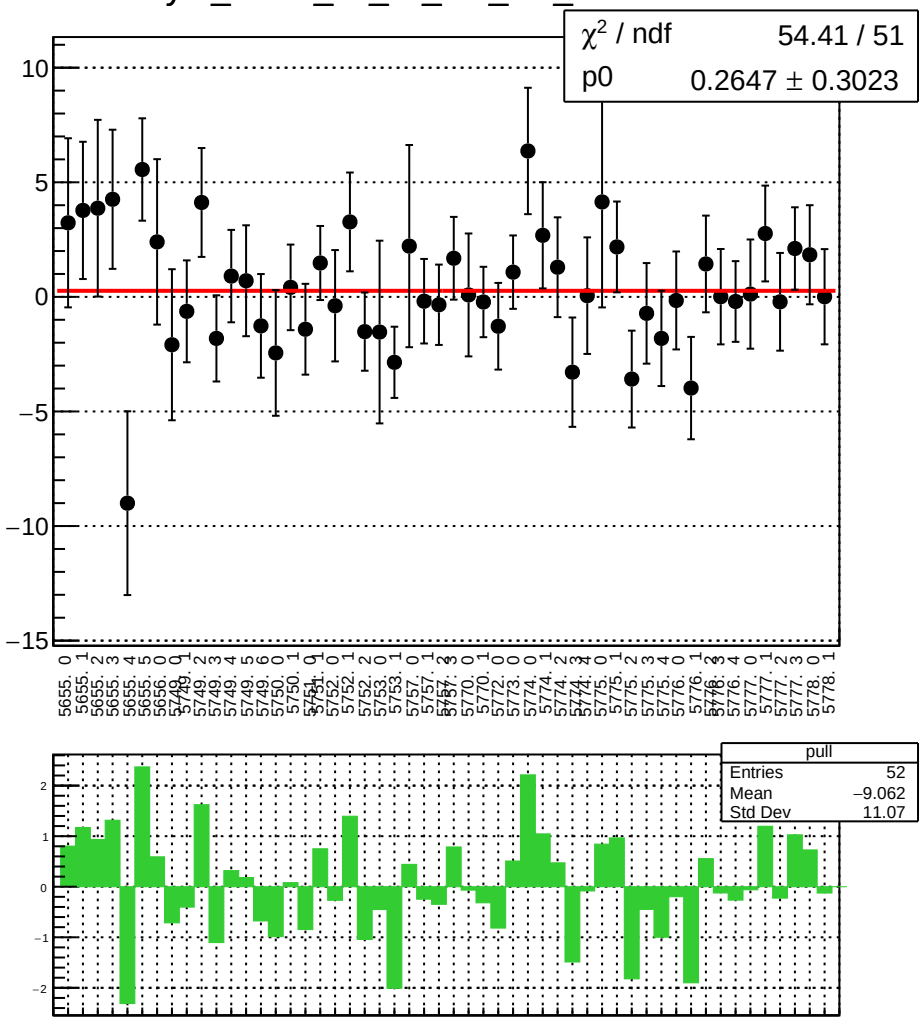
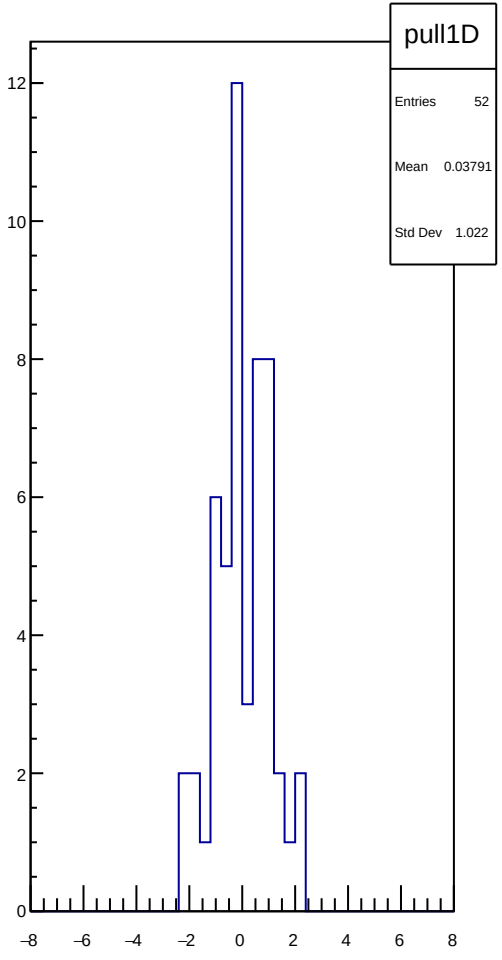
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

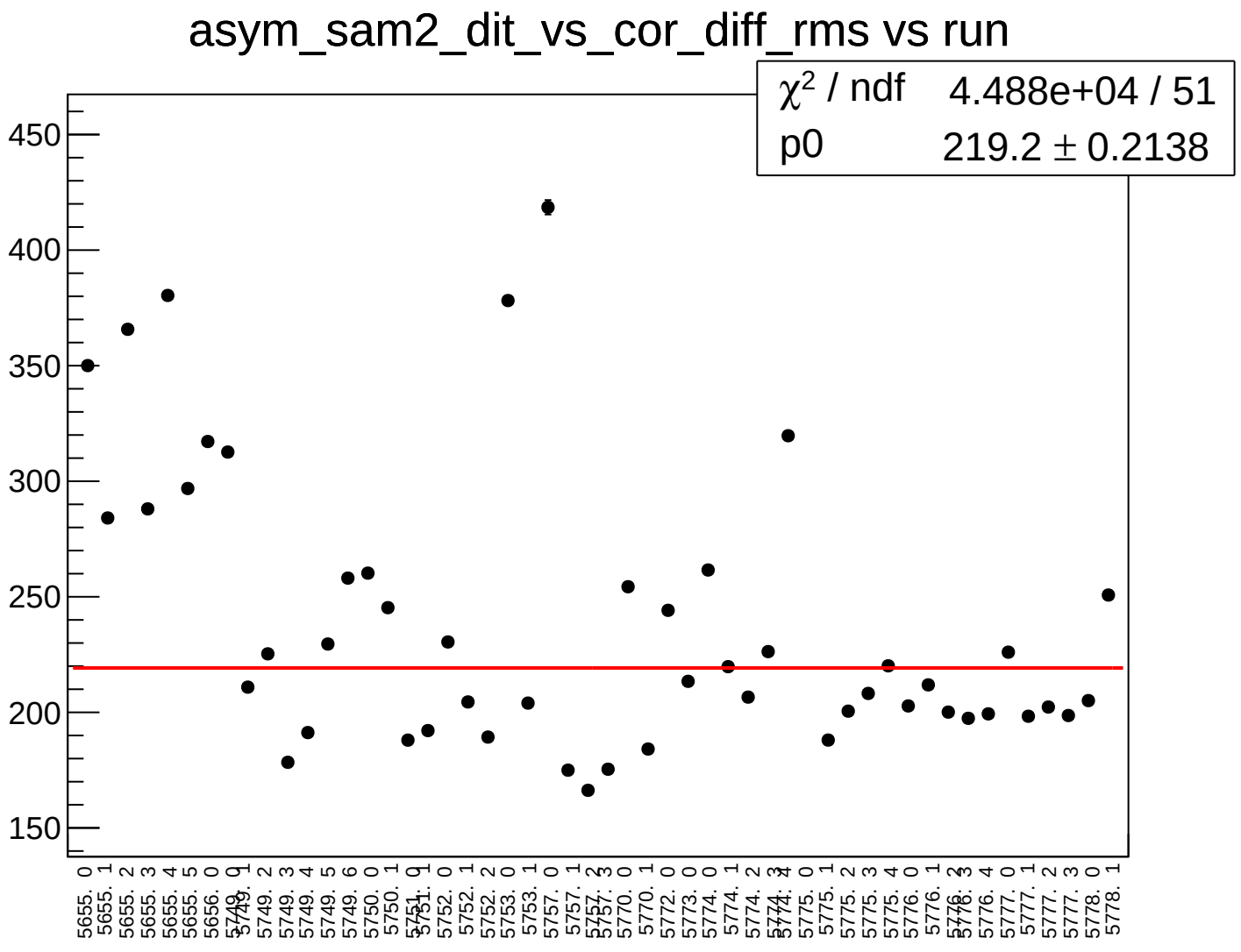

asym_sam2_reg_vs_cor_diff_mean vs run
χ² / ndf 50.97 / 51
p0 −1.711e−13 ± 7.132e−13
0.006
0.004
0.002
0
−0.002
−0.004
pull
Entries 52
Mean −10.59
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

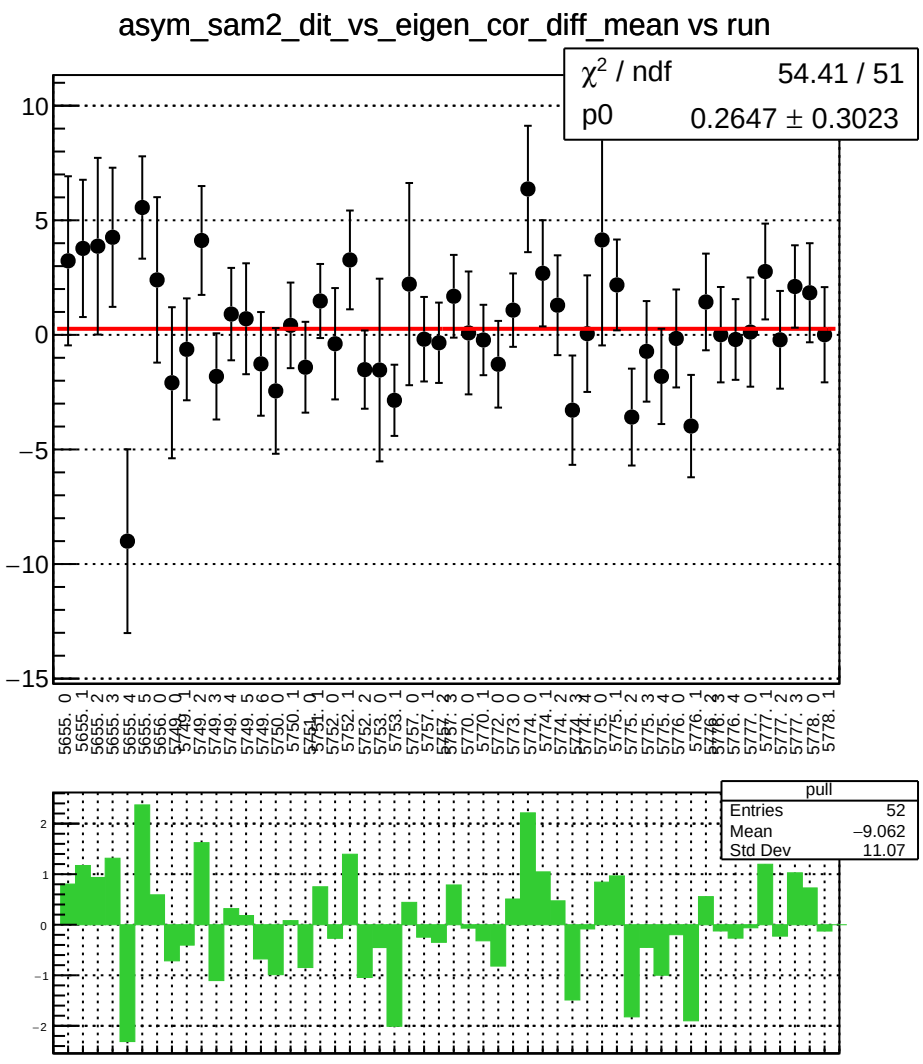

pull1D
Entries 52
Mean 0.08086
Std Dev 0.9868
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

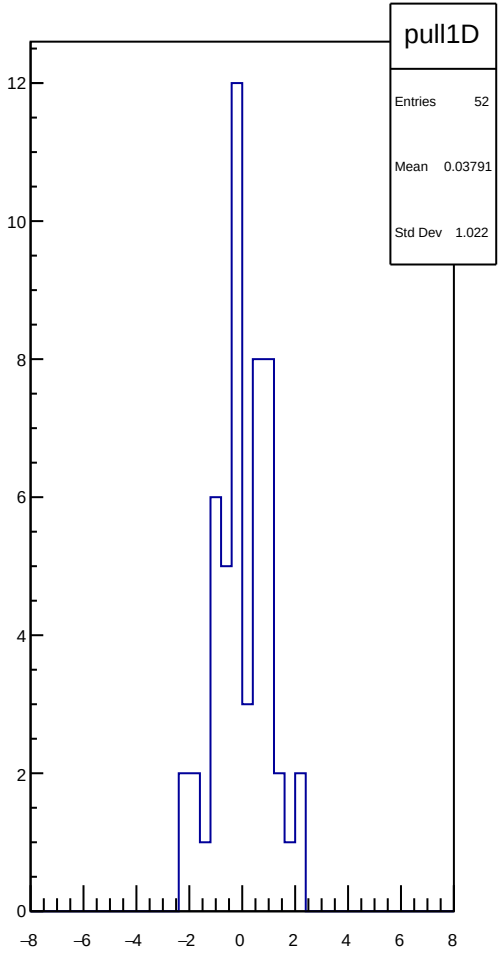

asym_sam2_reg_vs_cor_diff_rms vs run
χ² / ndf 7.331e+05 / 51
p0 3.039e−10 ± 5.043e−13
0.25
0.2
0.15
0.1
0.05
0

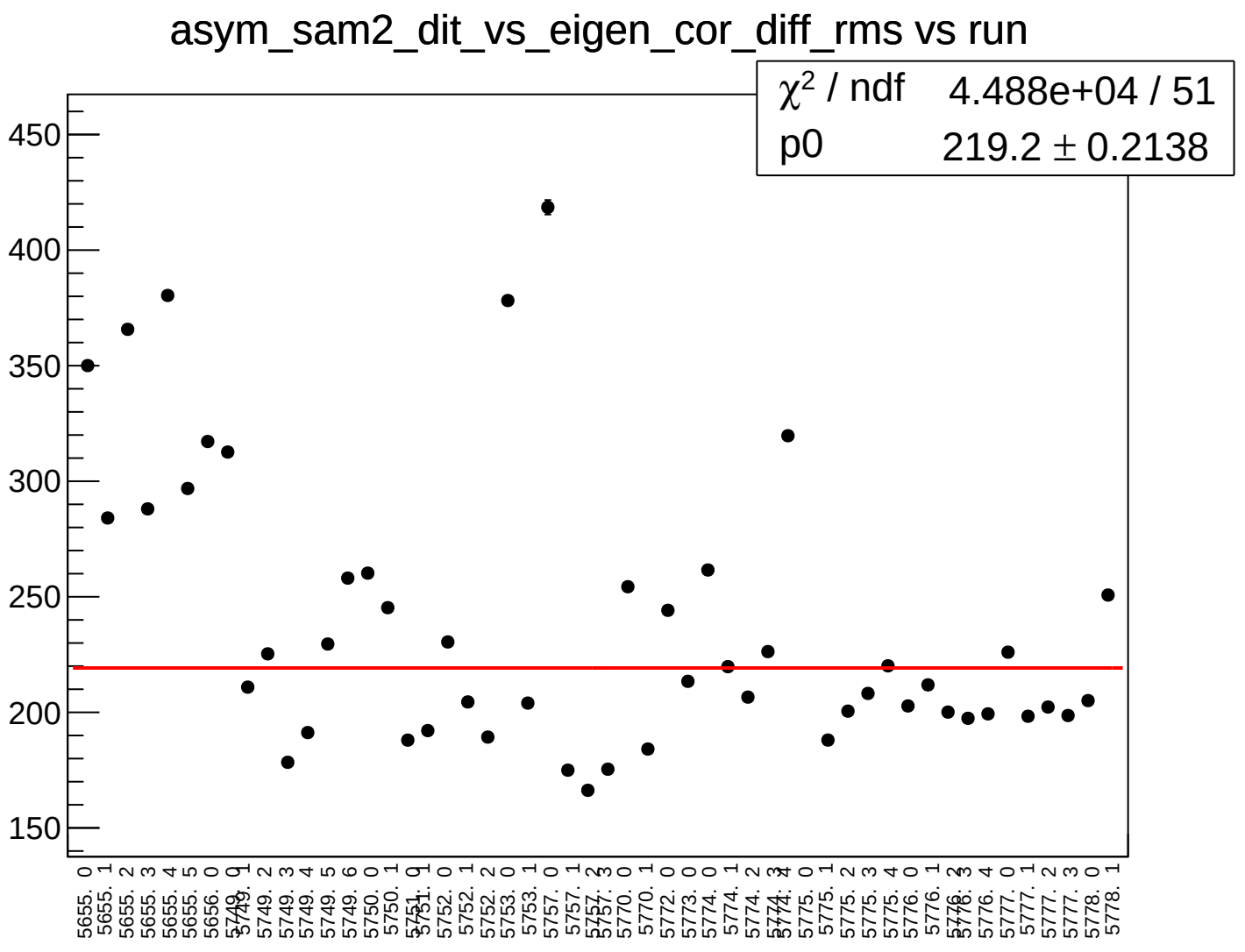

asym_sam2_dit_vs_cor_diff_mean vs run
χ² / ndf 54.41 / 51
p0 0.2647 ± 0.3023
pull
Entries 52
Mean −9.062
Std Dev 11.07

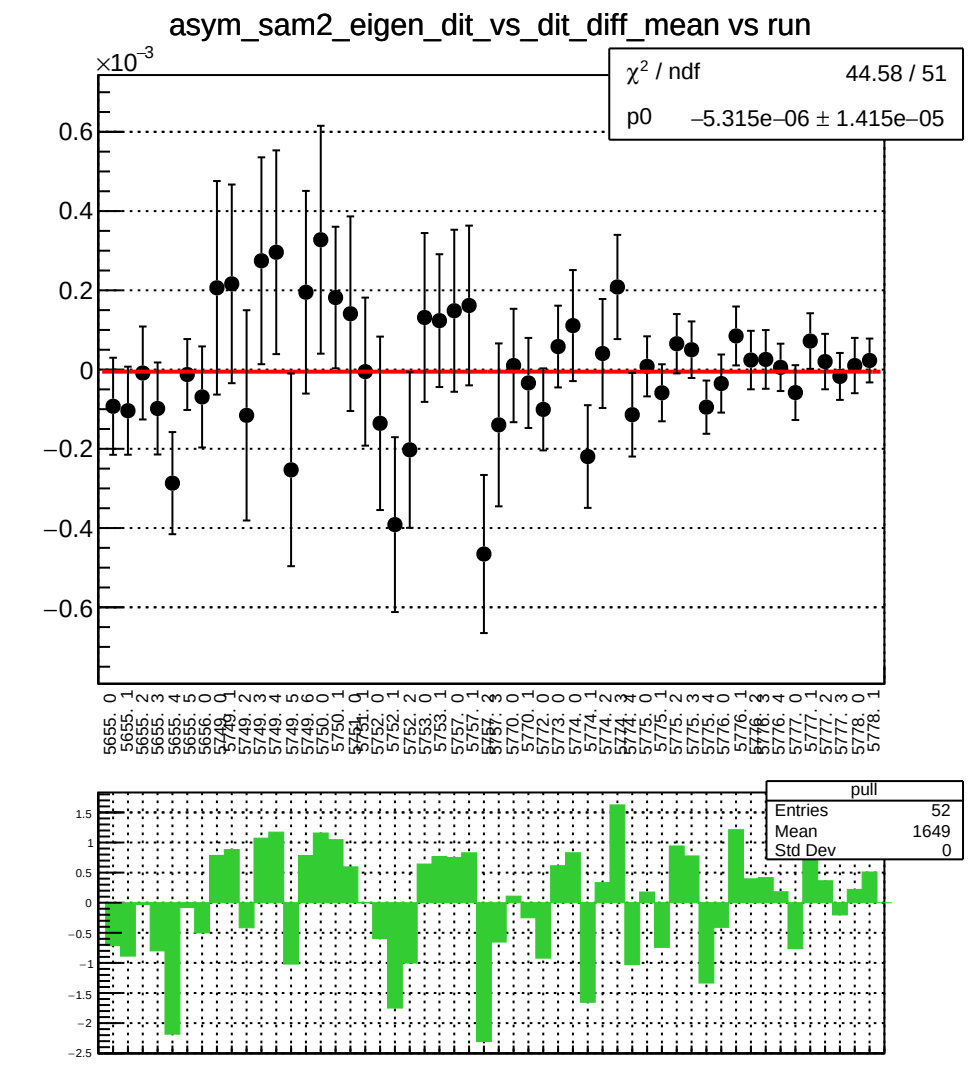

pull1D
Entries 52
Mean 0.03791
Std Dev 1.022

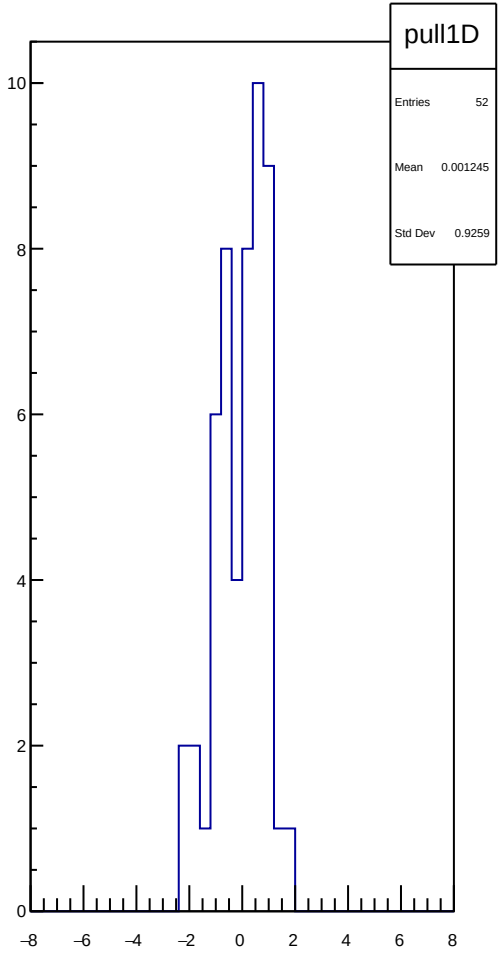

asym_sam2_dit_vs_cor_diff_rms vs run
χ² / ndf 4.488e+04 / 51
p0 219.2 ± 0.2138
450
400
350
300
250
200
150
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

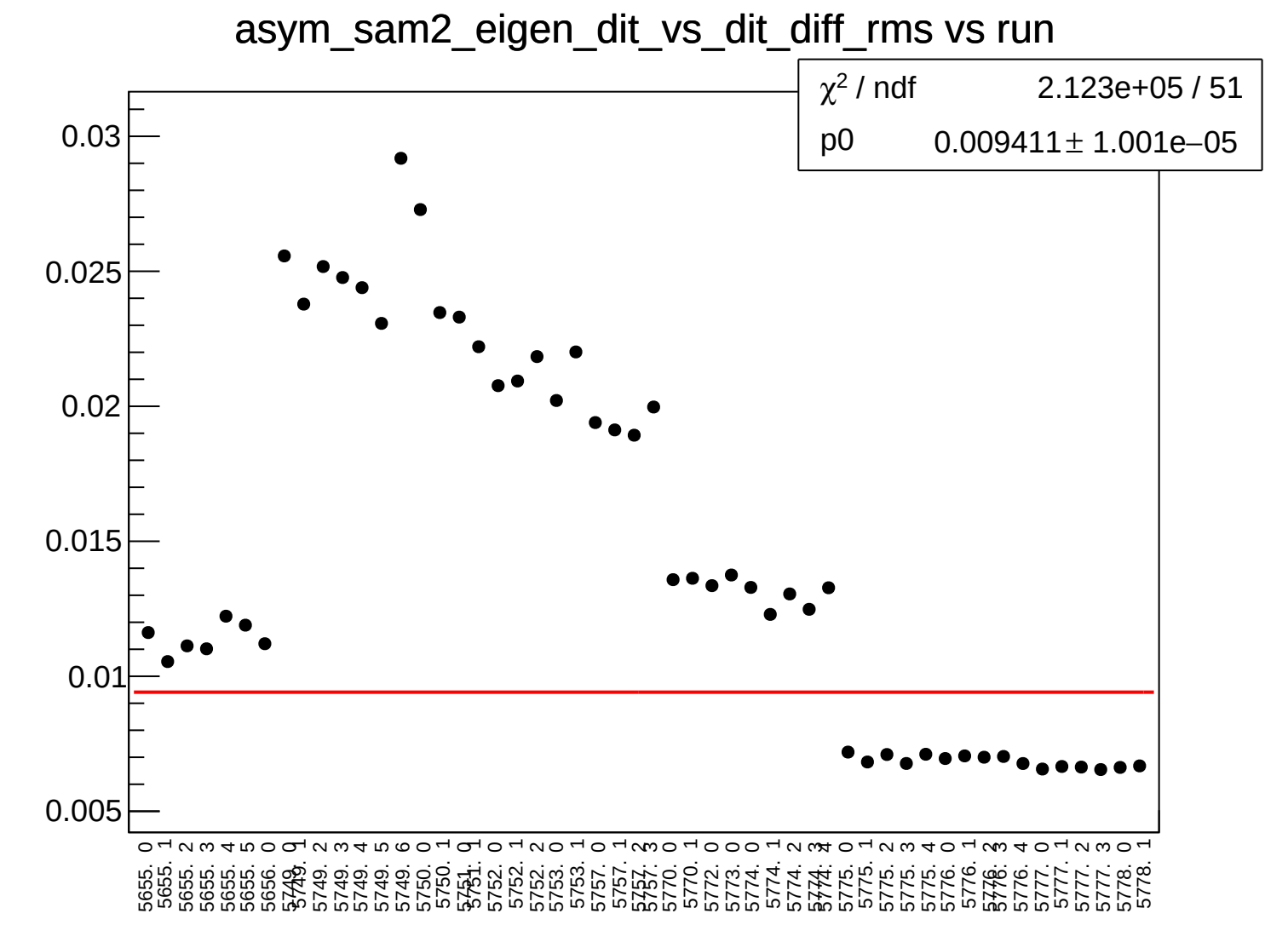

asym_sam2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.41 / 51
p0 0.2647 ± 0.3023
pull
Entries 52
Mean −9.062
Std Dev 11.07

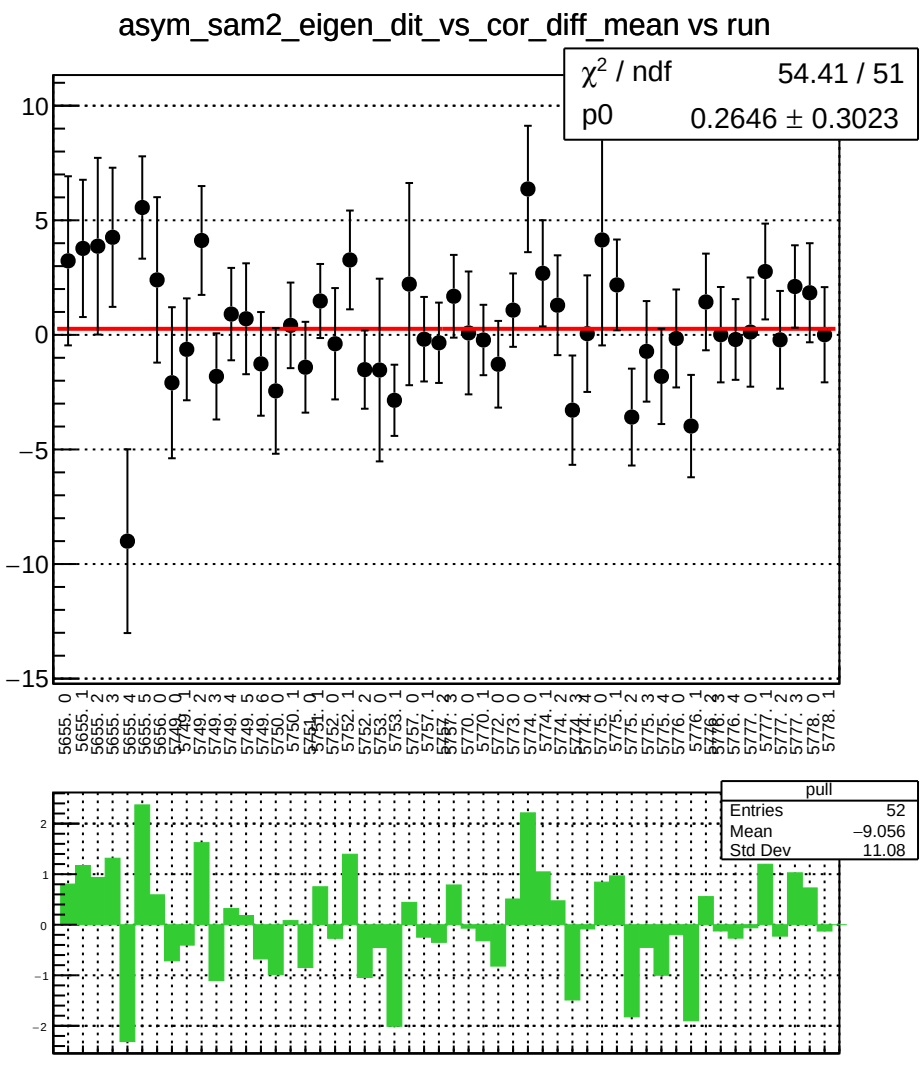

pull1D
Entries 52
Mean 0.03791
Std Dev 1.022

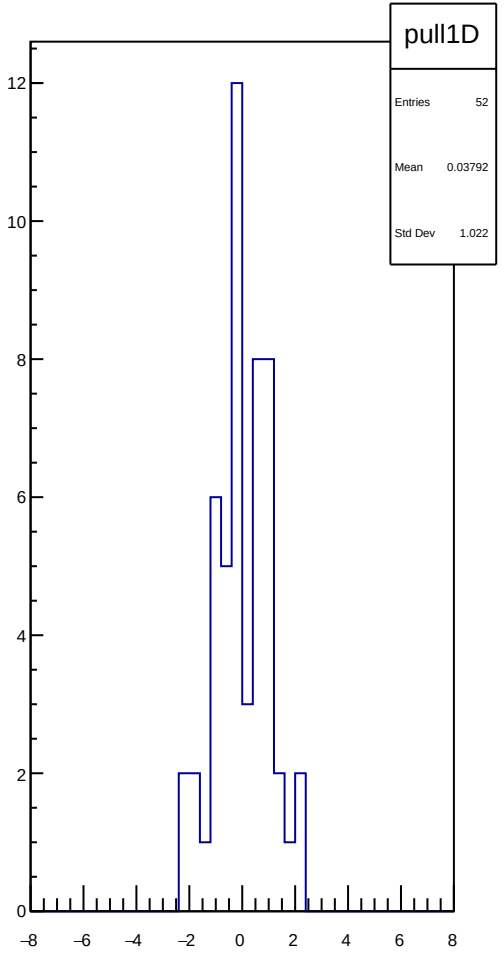

asym_sam2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.488e+04 / 51
p0 219.2 ± 0.2138
450
400
350
300
250
200
150
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

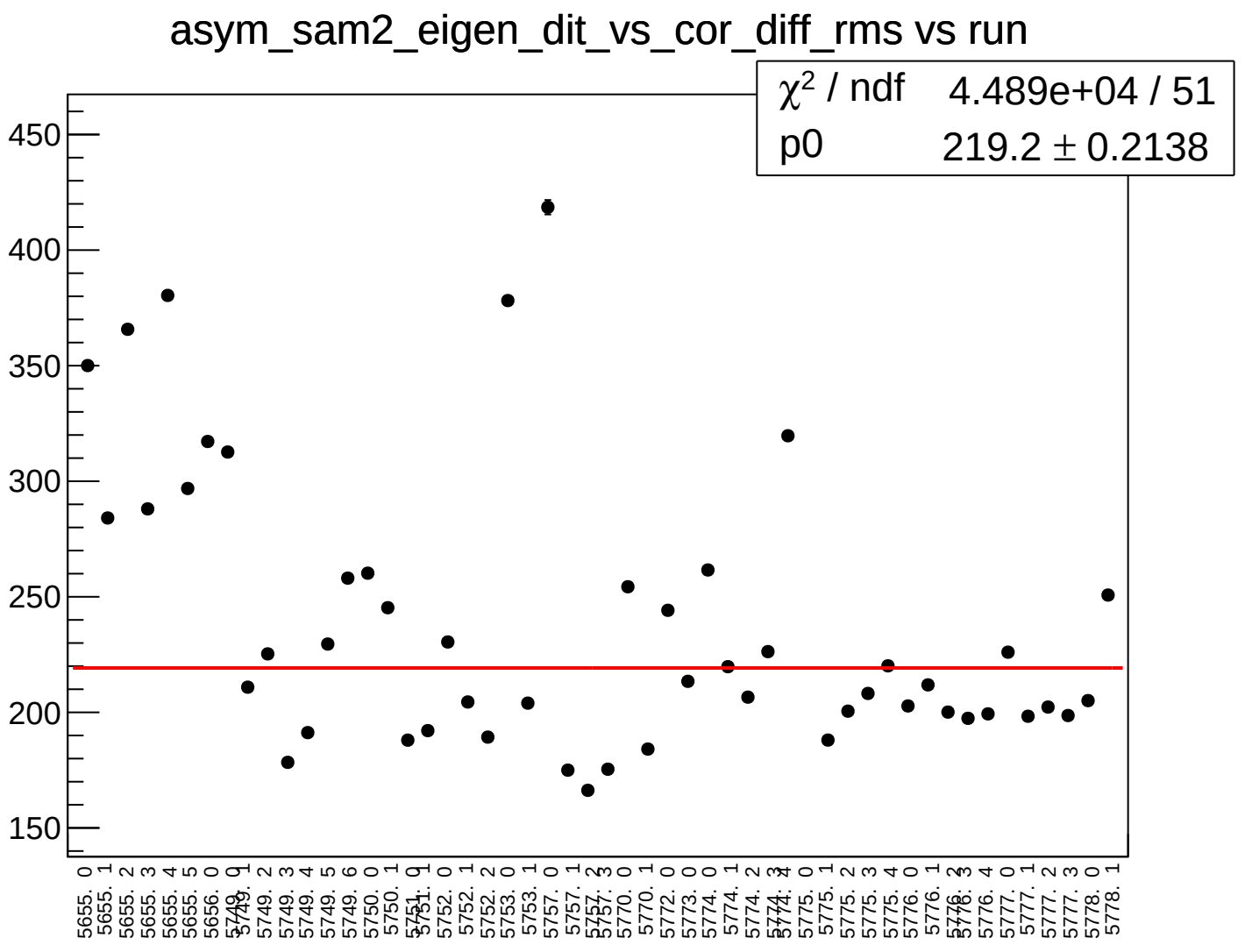

asym_sam2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 44.58 / 51
p0 −5.315e−06 ± 1.415e−05
pull
Entries 52
Mean 1649
Std Dev 0

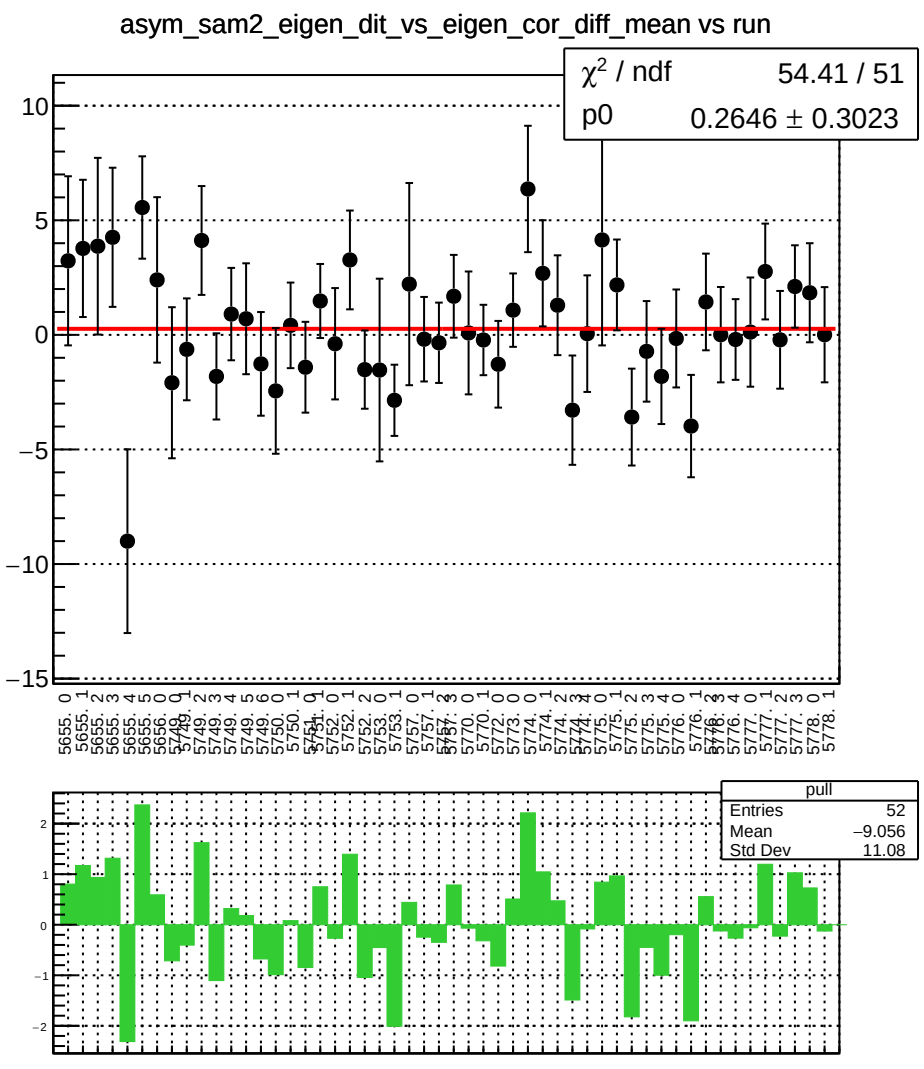

pull1D
Entries 52
Mean 0.001245
Std Dev 0.9259

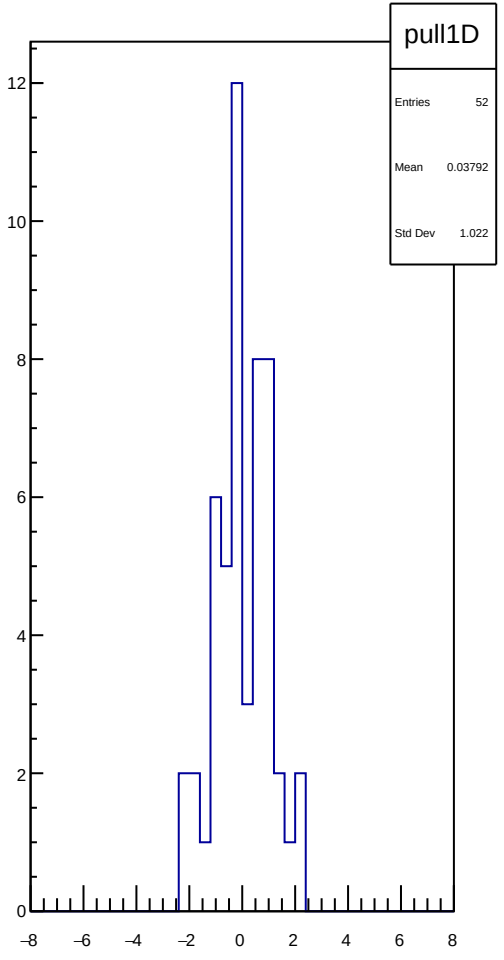

asym_sam2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.123e+05 / 51
p0 0.009411 ± 1.001e−05
0.03
0.025
0.02
0.015
0.01
0.005
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

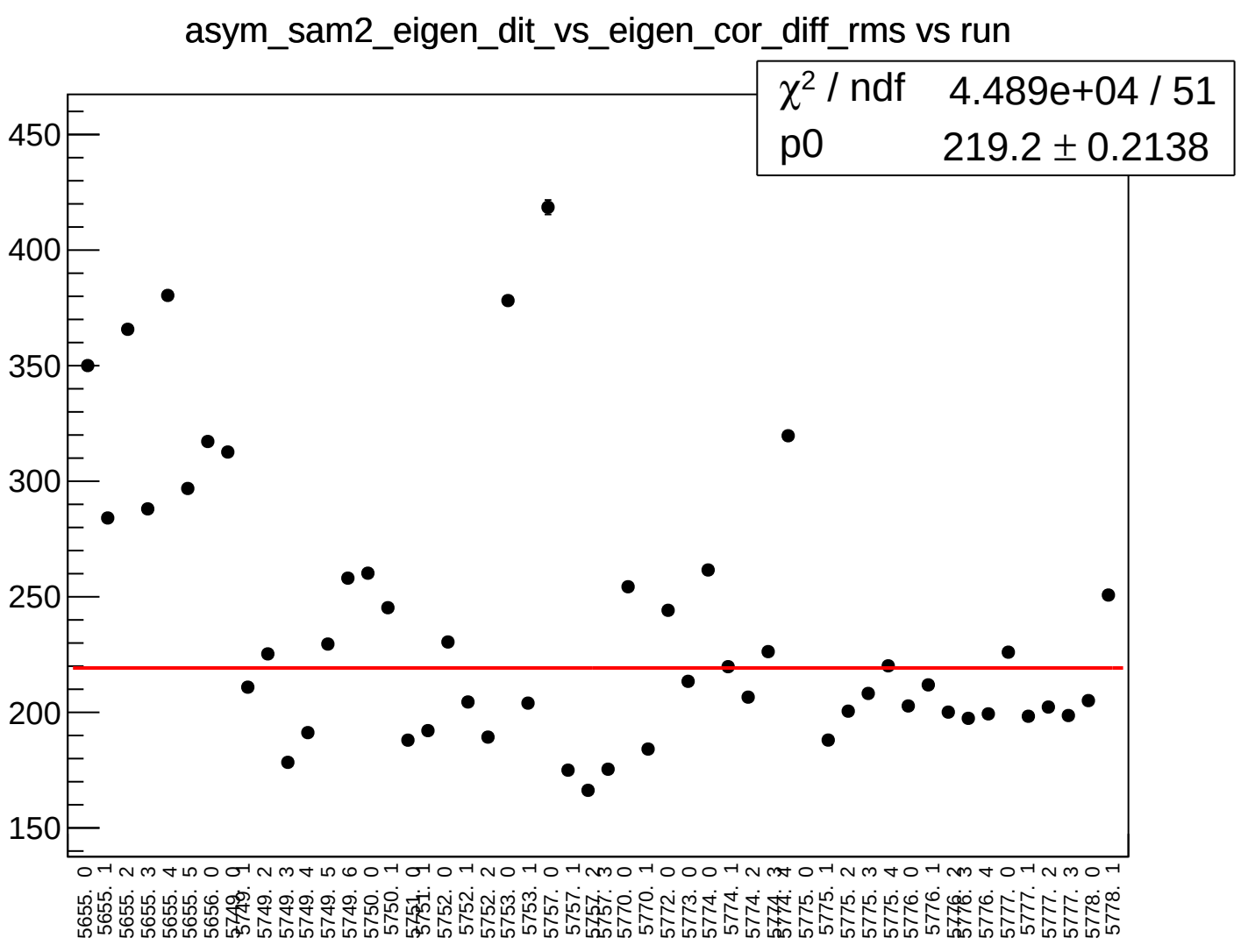

asym_sam2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.41 / 51
p0 0.2646 ± 0.3023
pull
Entries 52
Mean −9.056
Std Dev 11.08

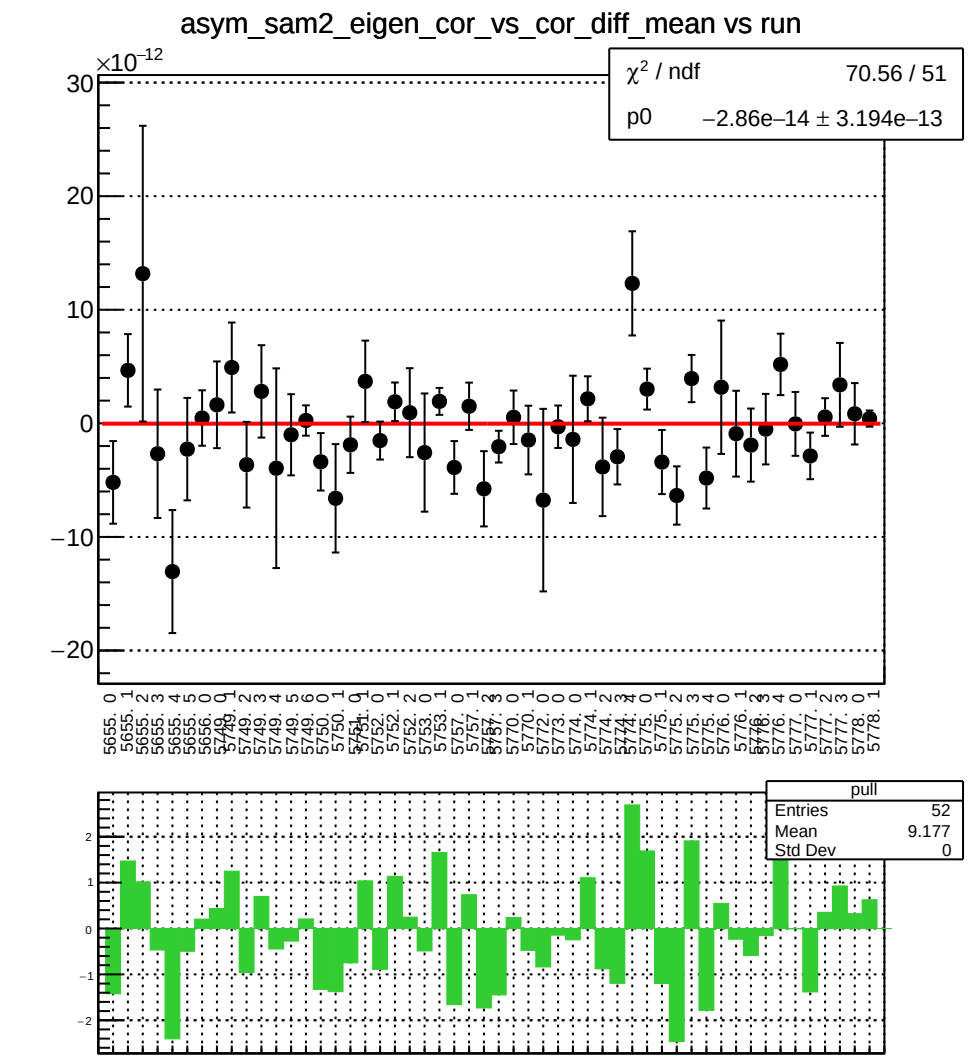

pull1D
Entries 52
Mean 0.03792
Std Dev 1.022

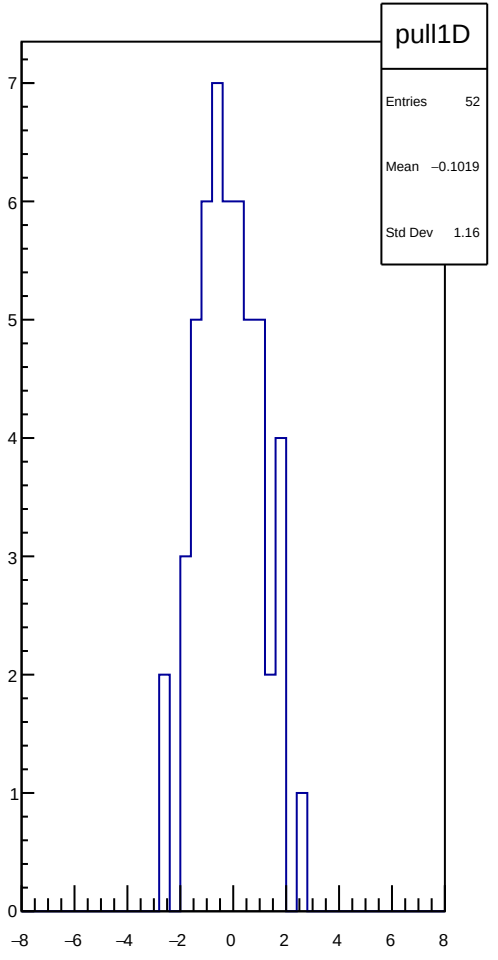

asym_sam2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.489e+04 / 51
p0 219.2 ± 0.2138
450
400
350
300
250
200
150
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

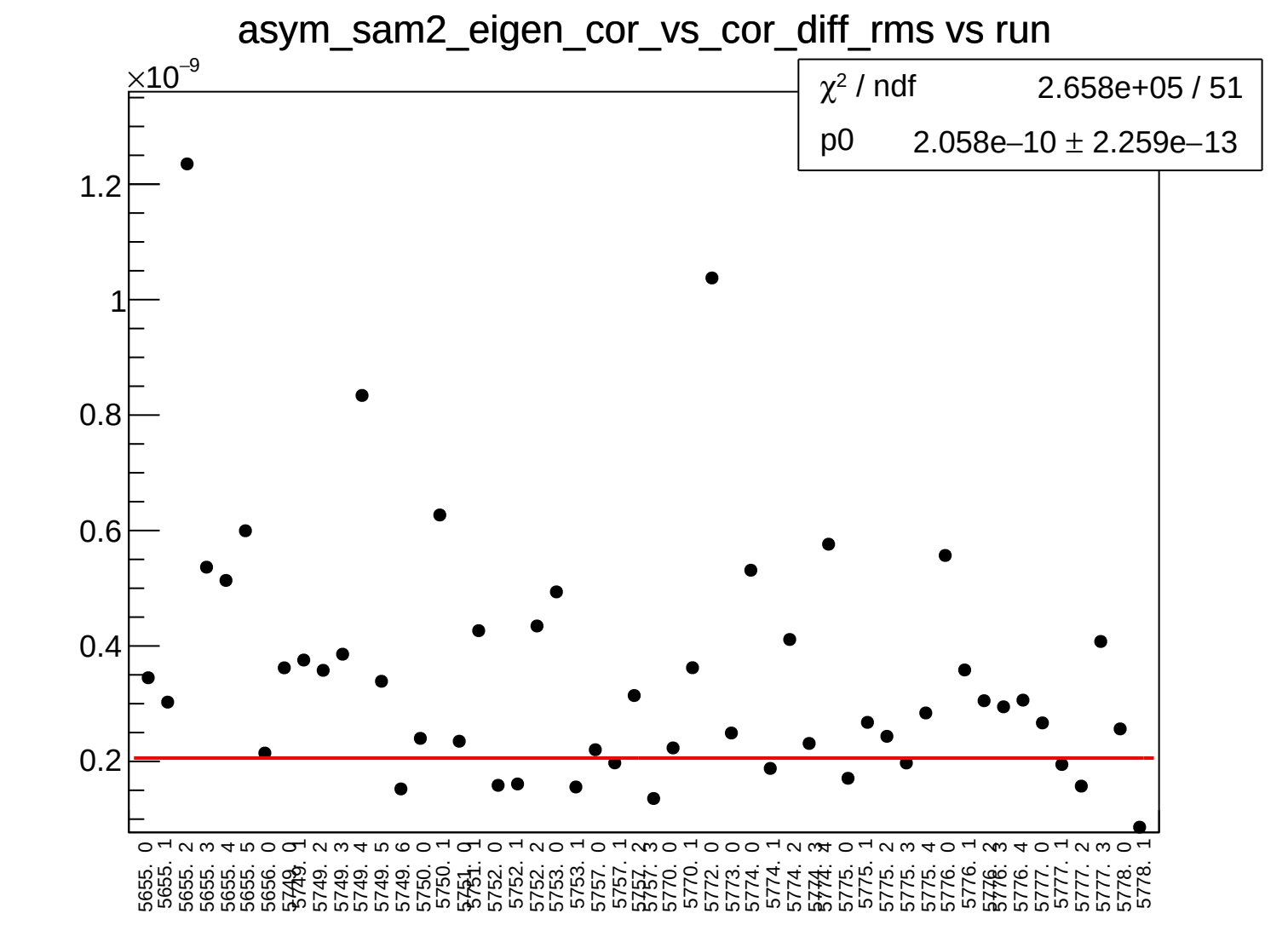

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.41 / 51
p0 0.2646 ± 0.3023
pull
Entries 52
Mean −9.056
Std Dev 11.08

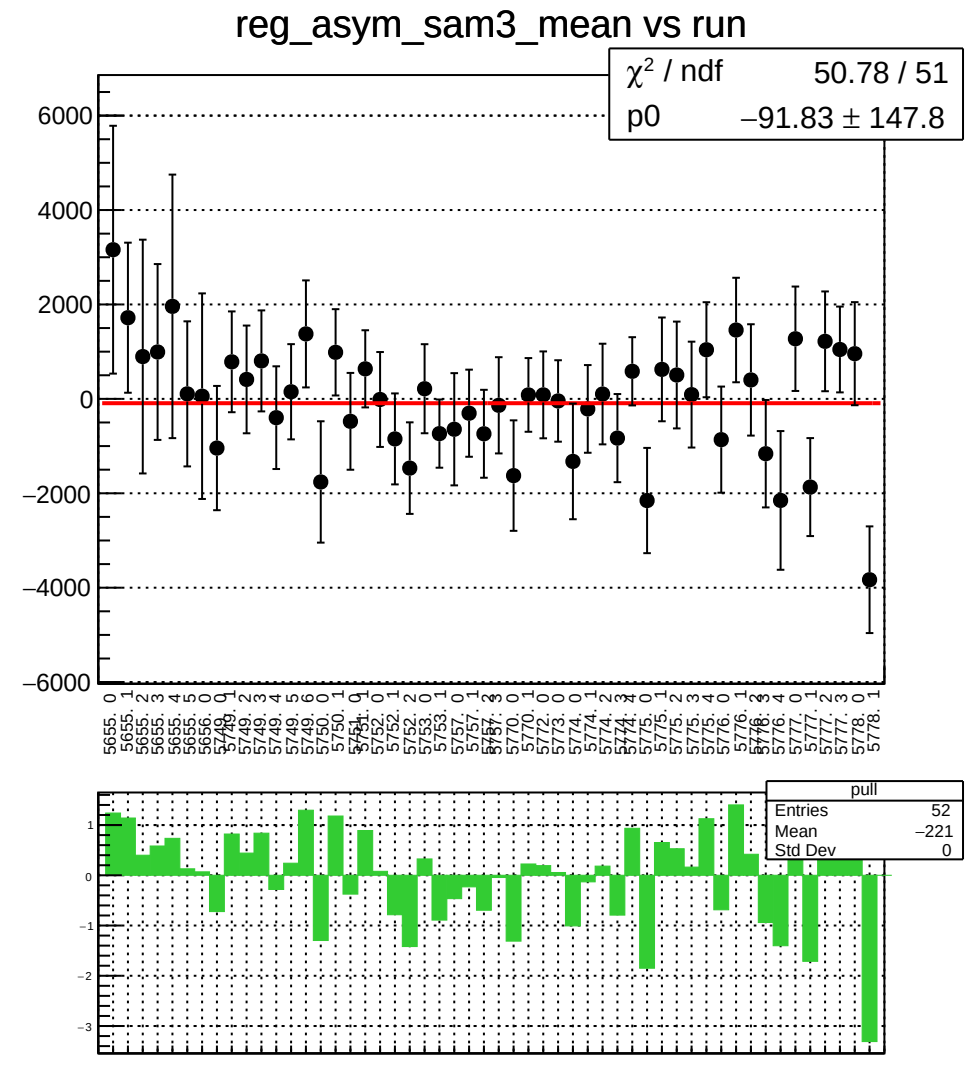

pull1D
Entries 52
Mean 0.03792
Std Dev 1.022

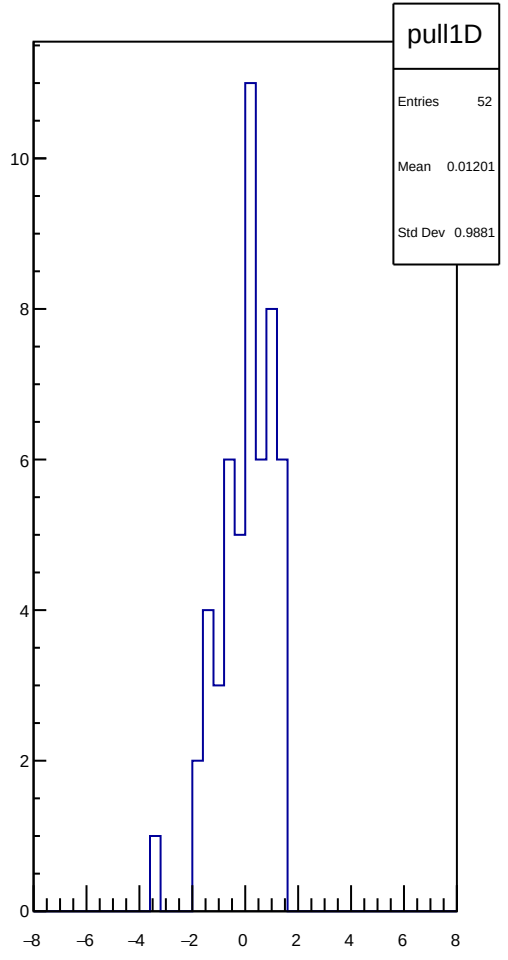

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.489e+04 / 51
p0 219.2 ± 0.2138
450
400
350
300
250
200
150
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

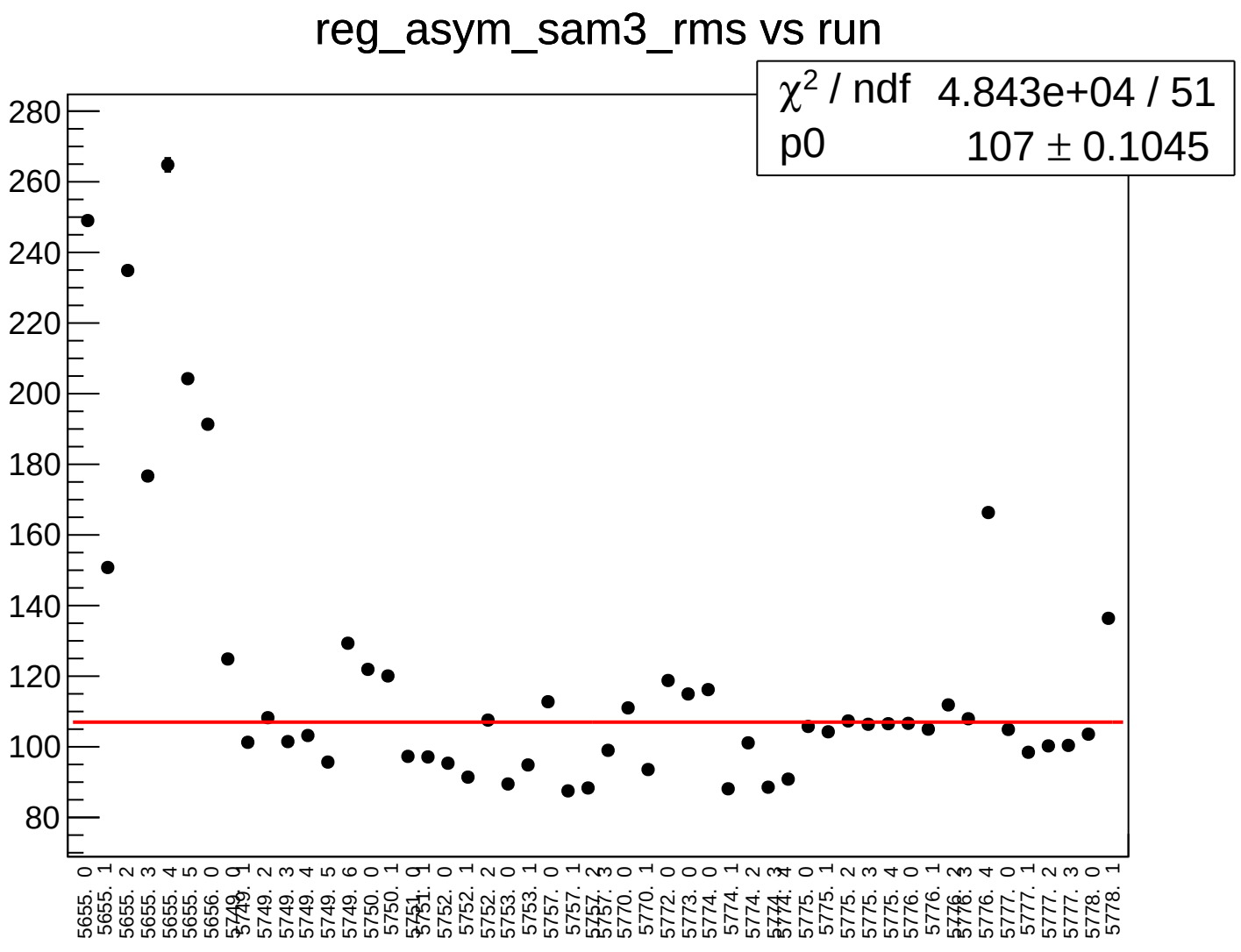

asym_sam2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 70.56 / 51
p0 −2.86e−14 ± 3.194e−13
pull
Entries 52
Mean 9.177
Std Dev 0

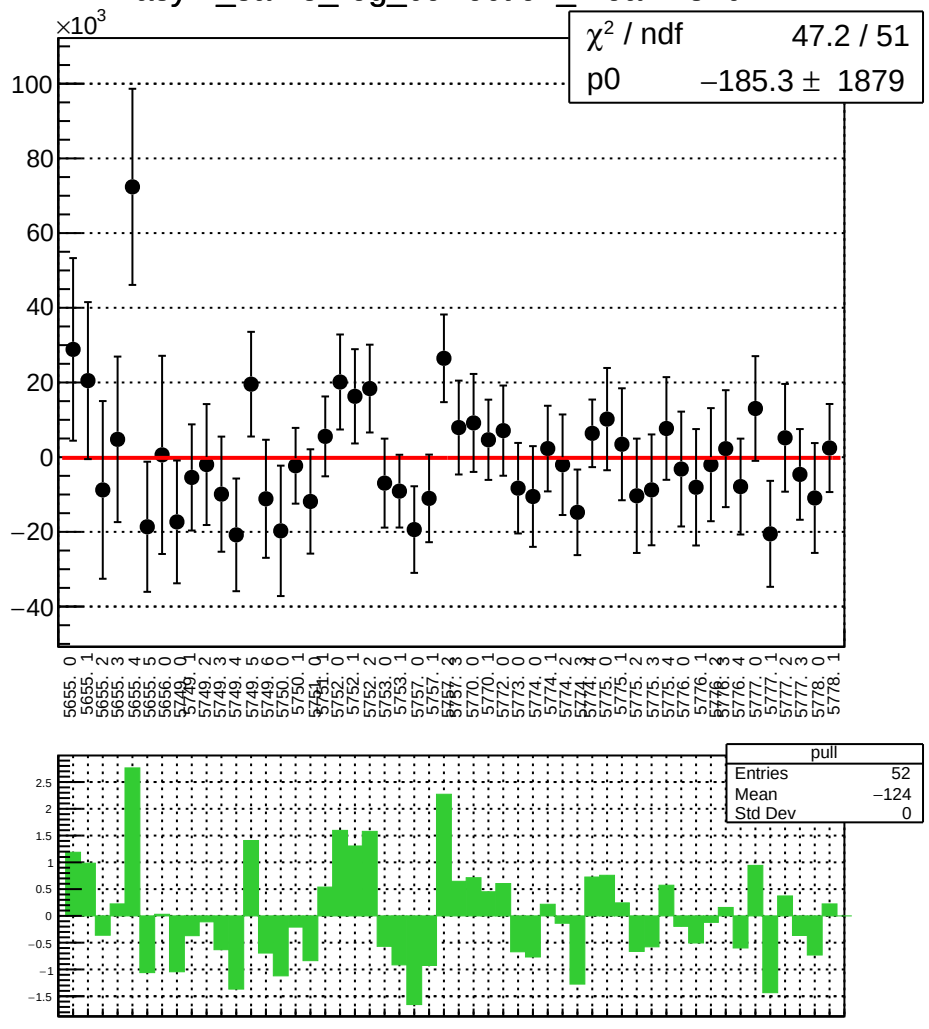

pull1D
Entries 52
Mean −0.1019
Std Dev 1.16

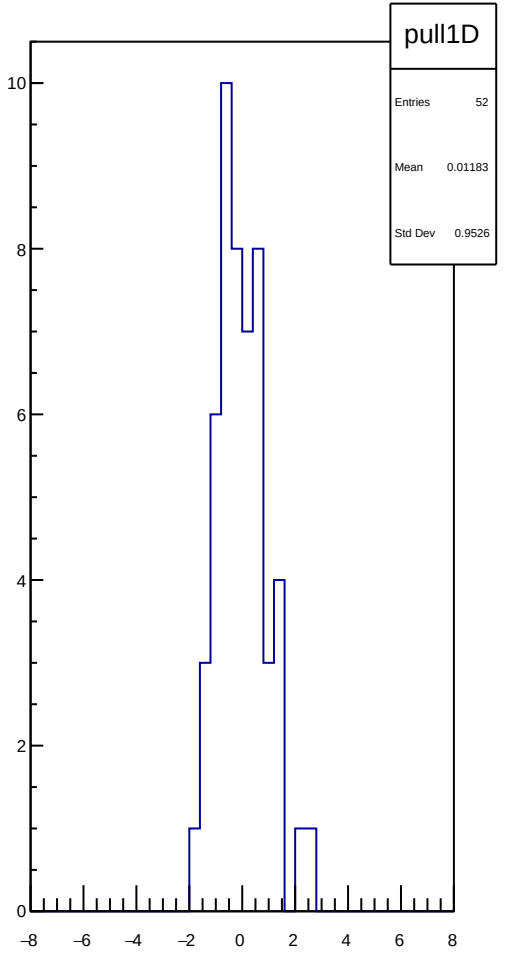

asym_sam2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.658e+05 / 51
p0 2.058e−10 ± 2.259e−13
1.2
1
0.8
0.6
0.4
0.2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


reg_asym_sam3_mean vs run
χ² / ndf 50.78 / 51
p0 −91.83 ± 147.8
pull
Entries 52
Mean −221
Std Dev 0

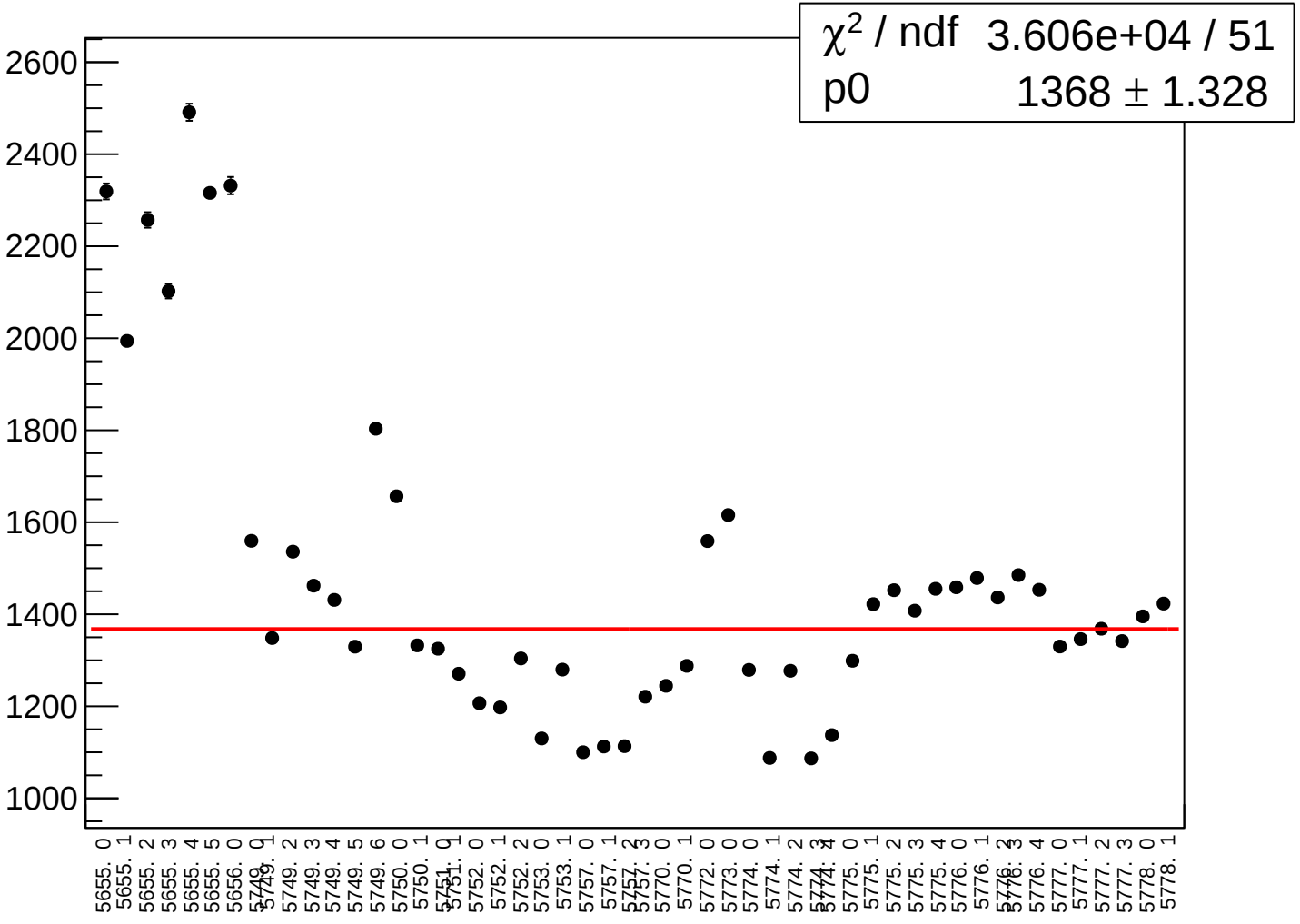

pull1D
Entries 52
Mean 0.01201
Std Dev 0.9881

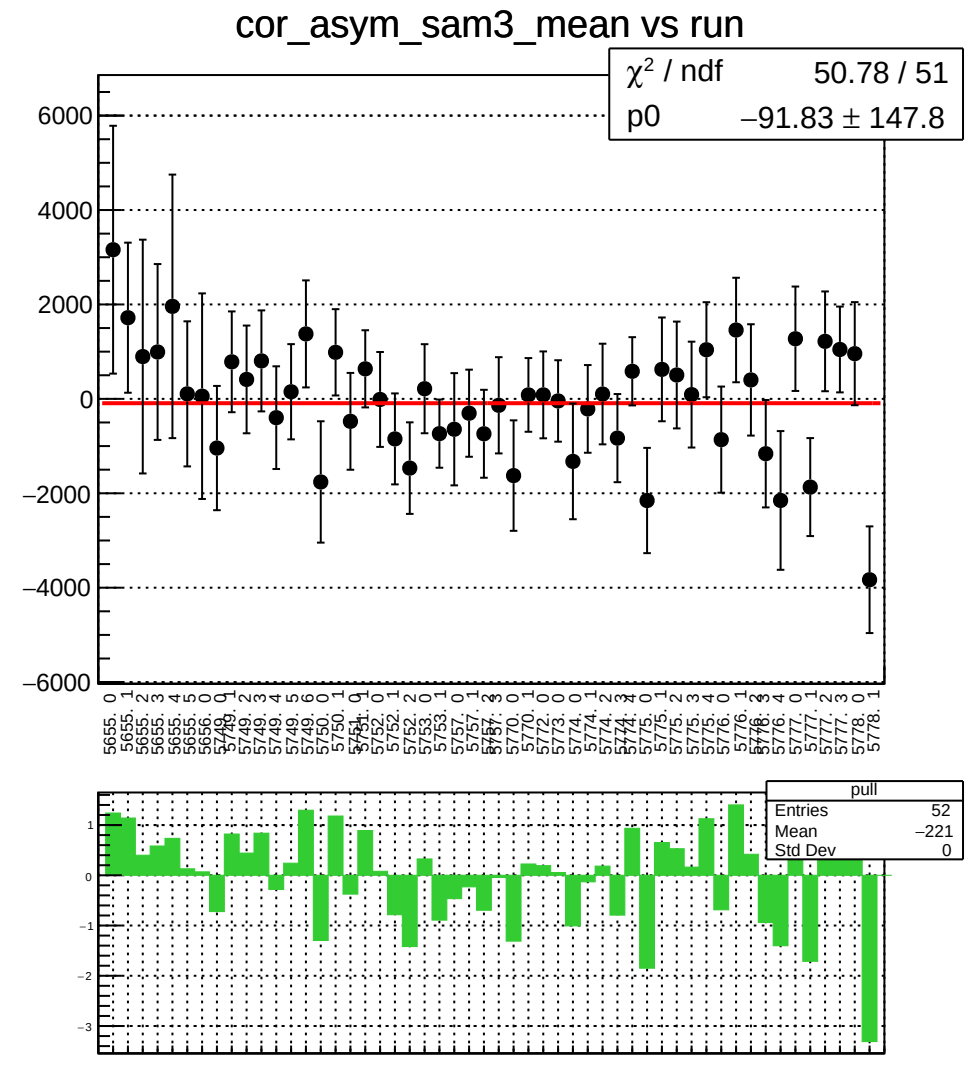

reg_asym_sam3_rms vs run
χ^2 / ndf 4.843e+04 / 51
p0 107 ± 0.1045
280
260
240
220
200
180
160
140
120
100
80
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

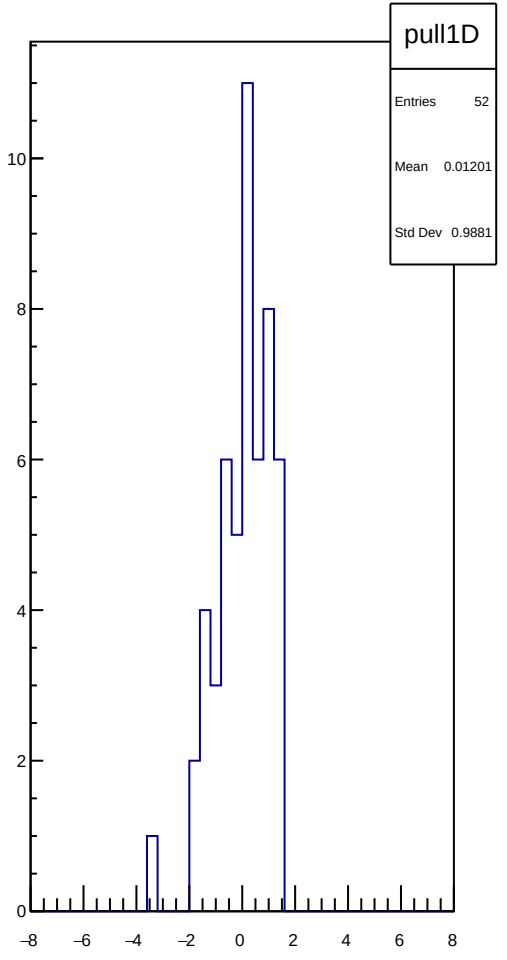

asym_sam3_reg_correction_mean vs run
×10^3
χ² / ndf 47.2 / 51
p0 −185.3 ± 1879
100
80
60
40
20
0
−20
−40
pull
Entries 52
Mean −124
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

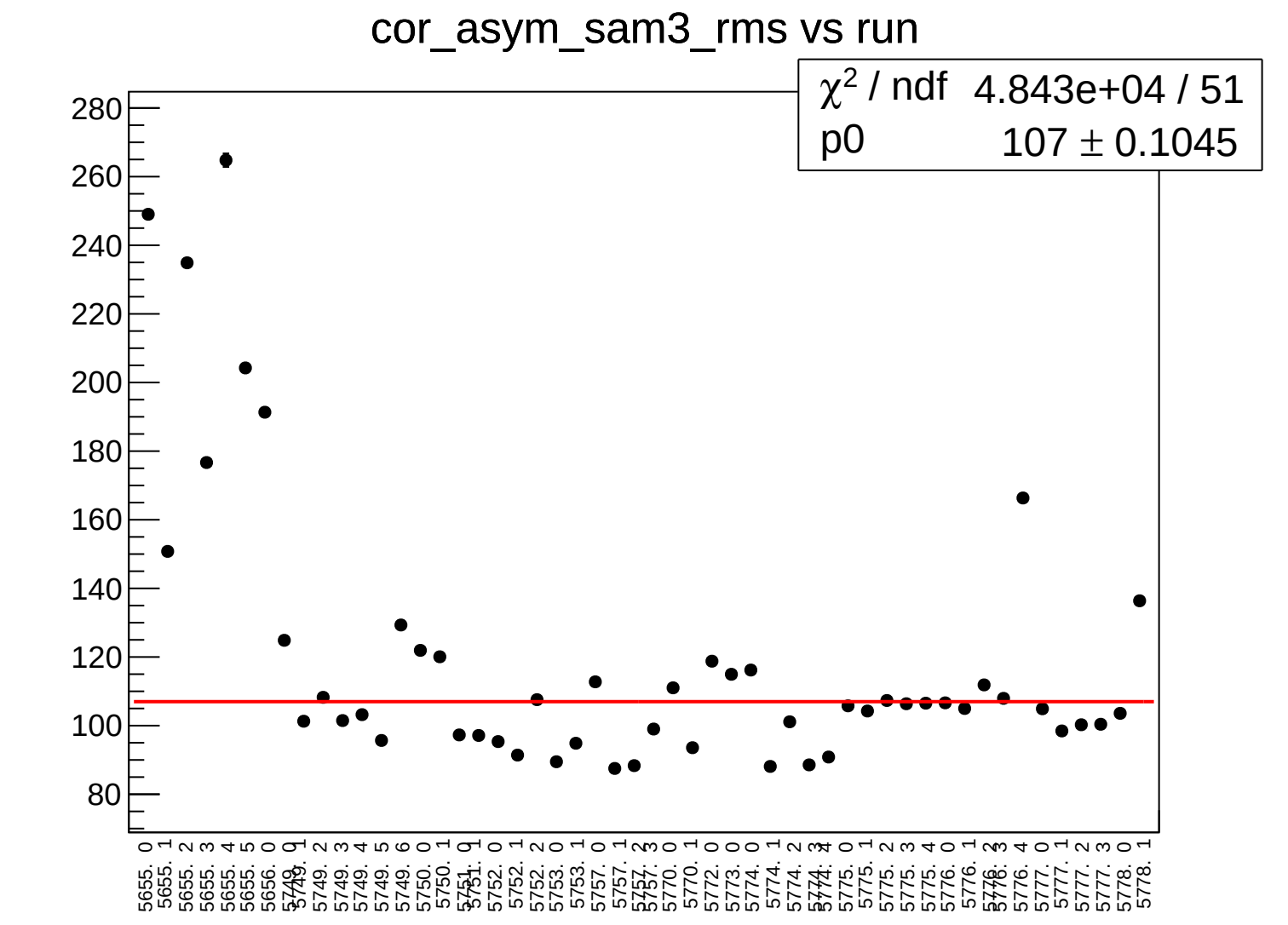

pull1D
Entries 52
Mean 0.01183
Std Dev 0.9526
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

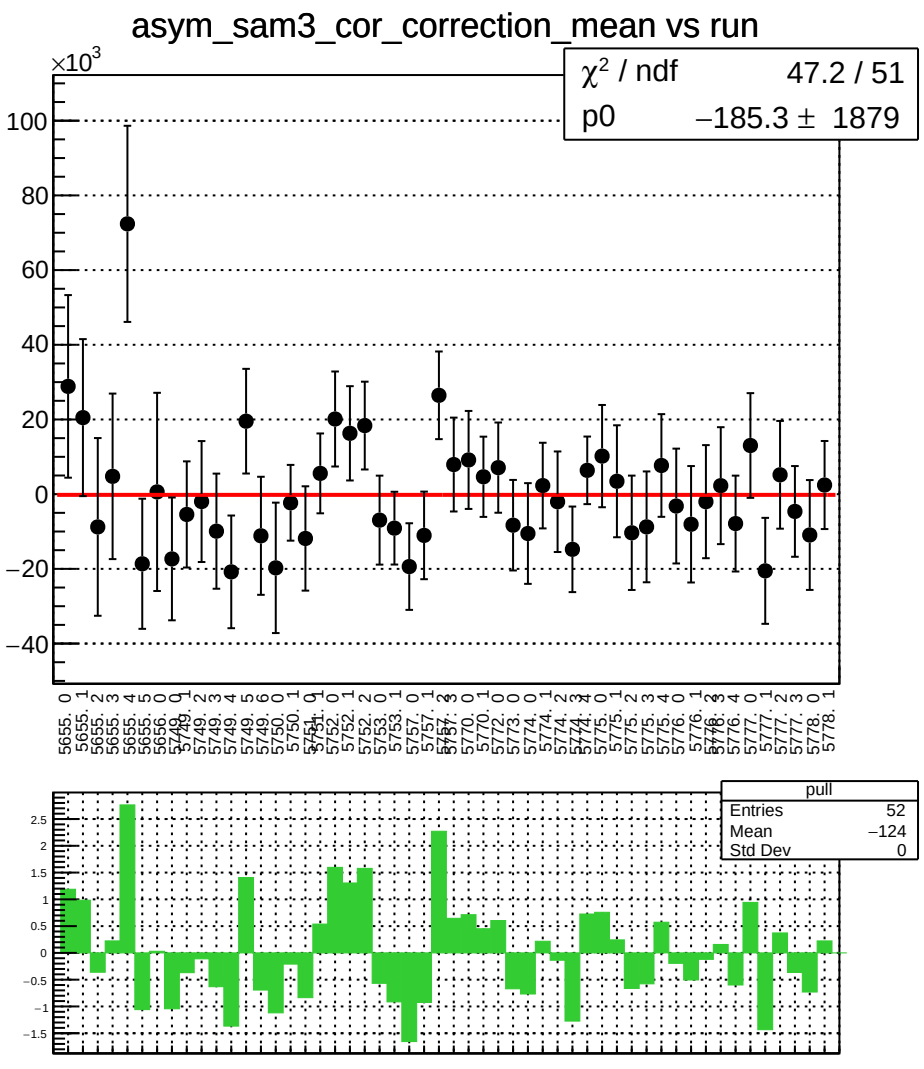
asym_sam3_reg_correction_rms vs run

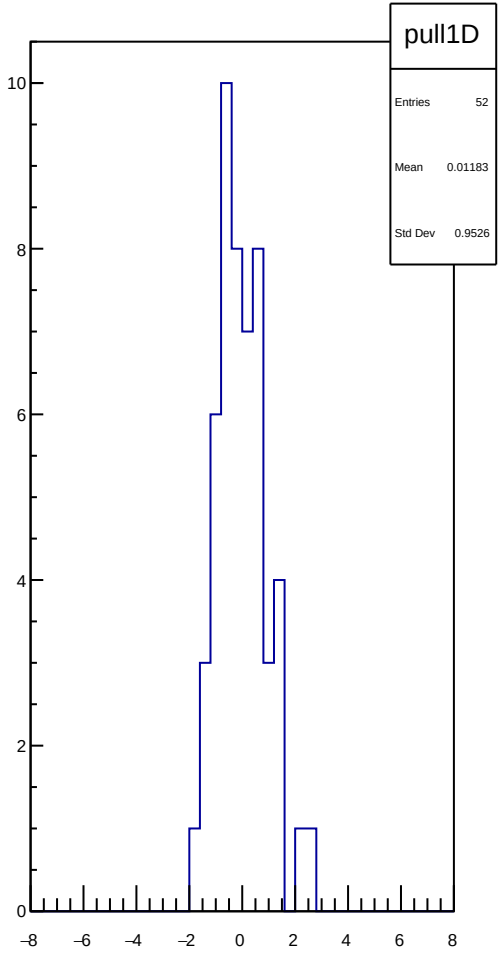


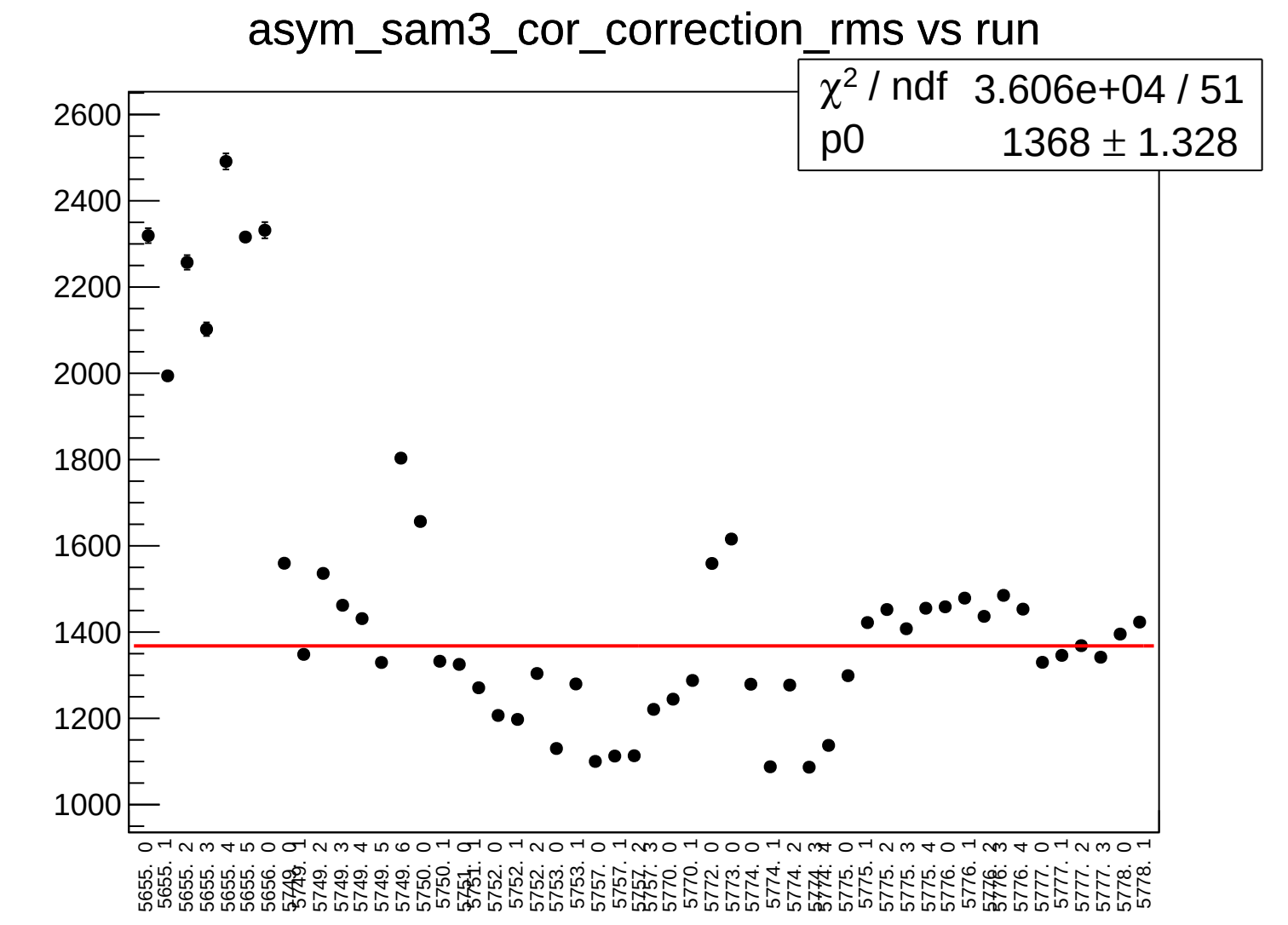

cor_asym_sam3_mean vs run
χ² / ndf 50.78 / 51
p0 −91.83 ± 147.8
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 52
Mean −221
Std Dev 0

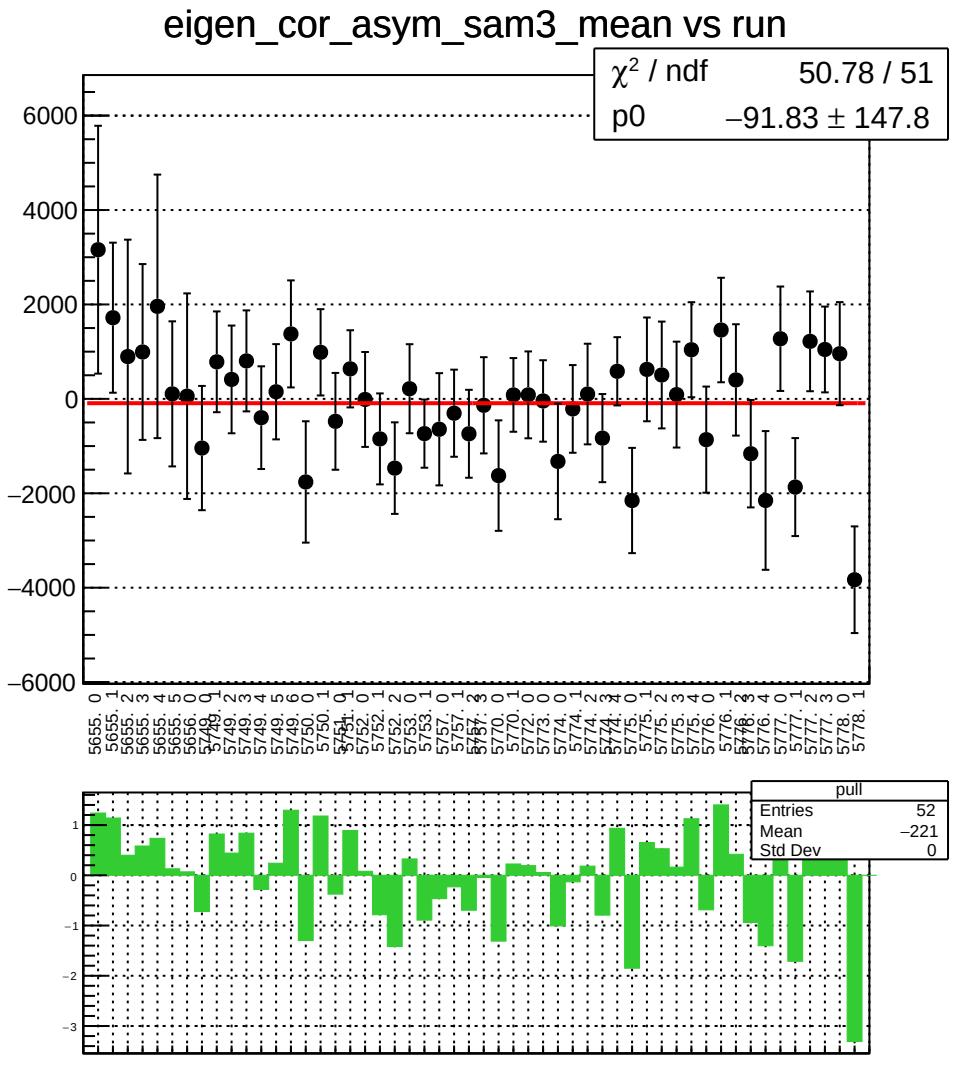

pull1D
Entries 52
Mean 0.01201
Std Dev 0.9881
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

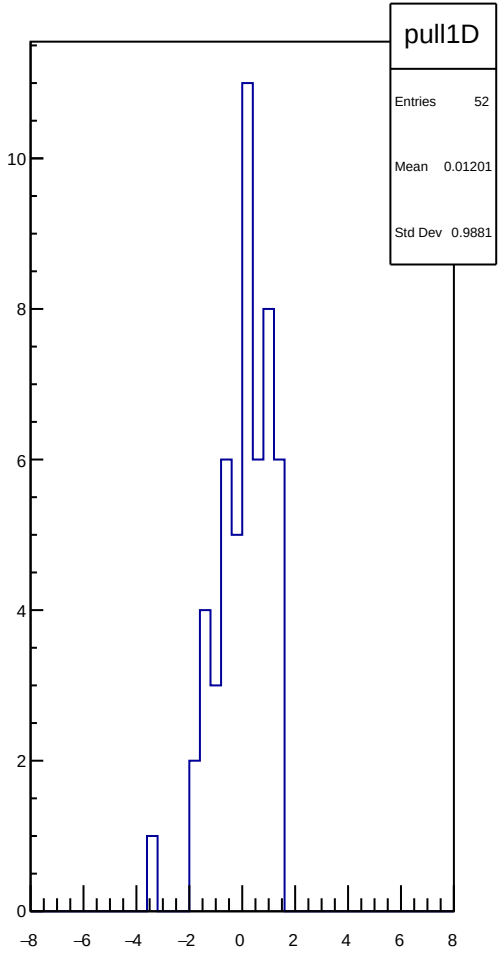

cor_asym_sam3_rms vs run
χ² / ndf 4.843e+04 / 51
p0 107 ± 0.1045
280
260
240
220
200
180
160
140
120
100
80
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

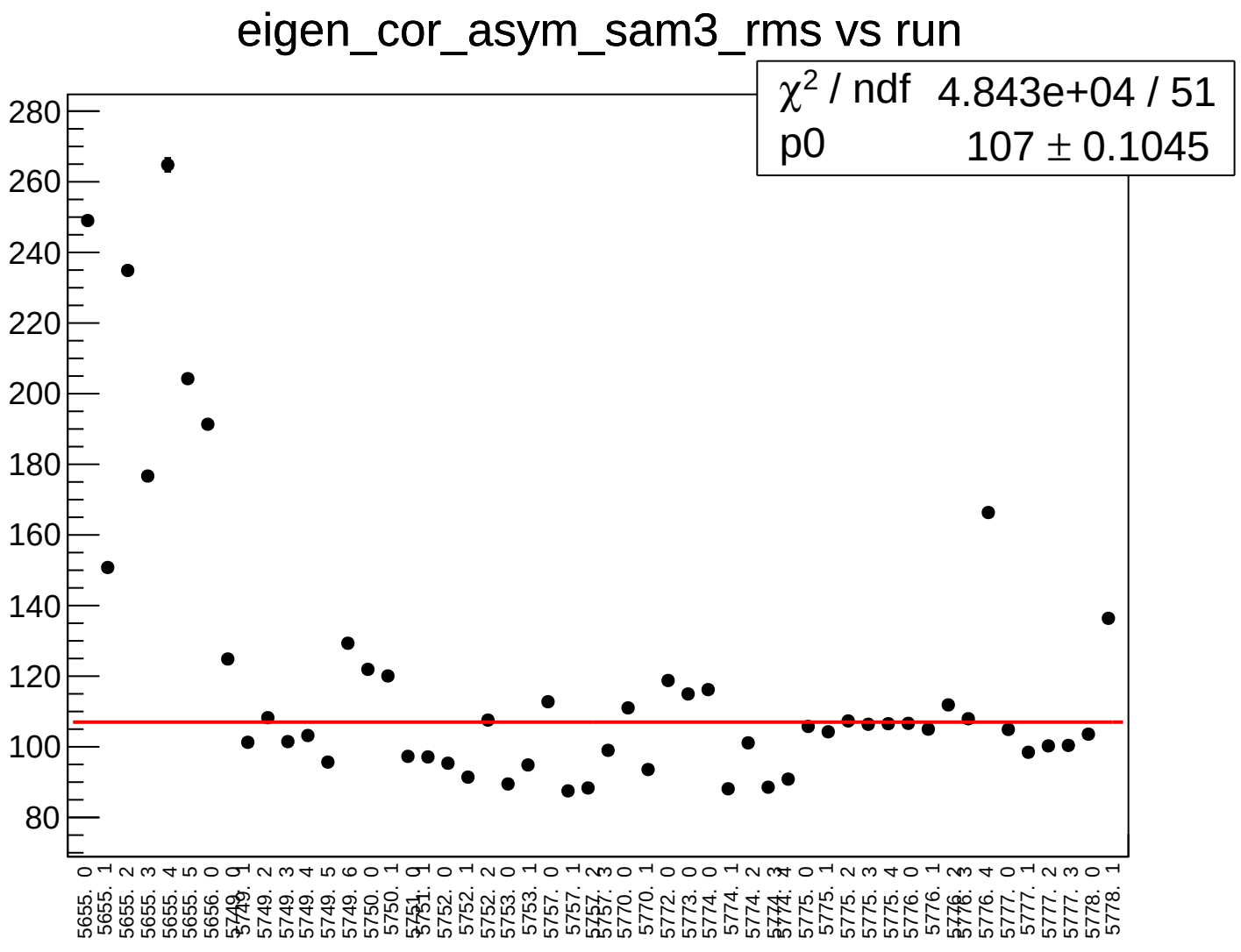

asym_sam3_cor_correction_mean vs run
×10^3
χ² / ndf 47.2 / 51
p0 −185.3 ± 1879
100
80
60
40
20
0
−20
−40
pull
Entries 52
Mean −124
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

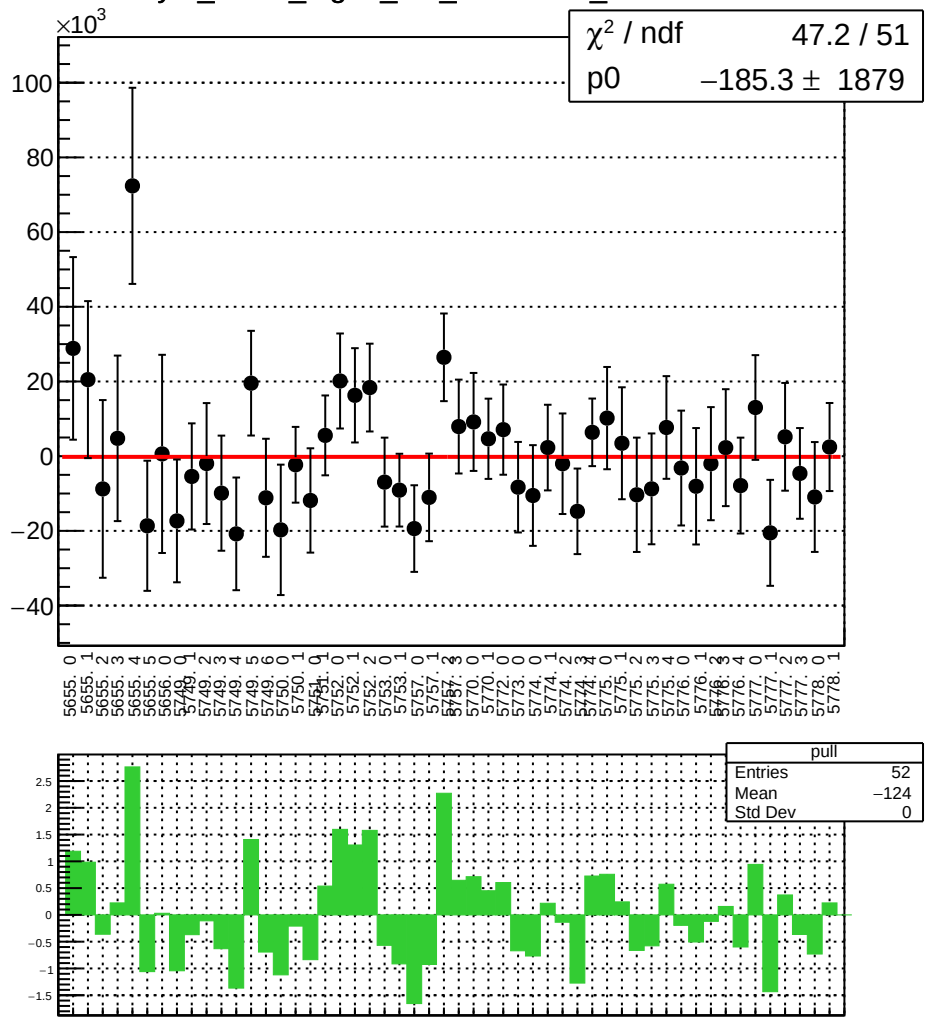

pull1D
Entries 52
Mean 0.01183
Std Dev 0.9526
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

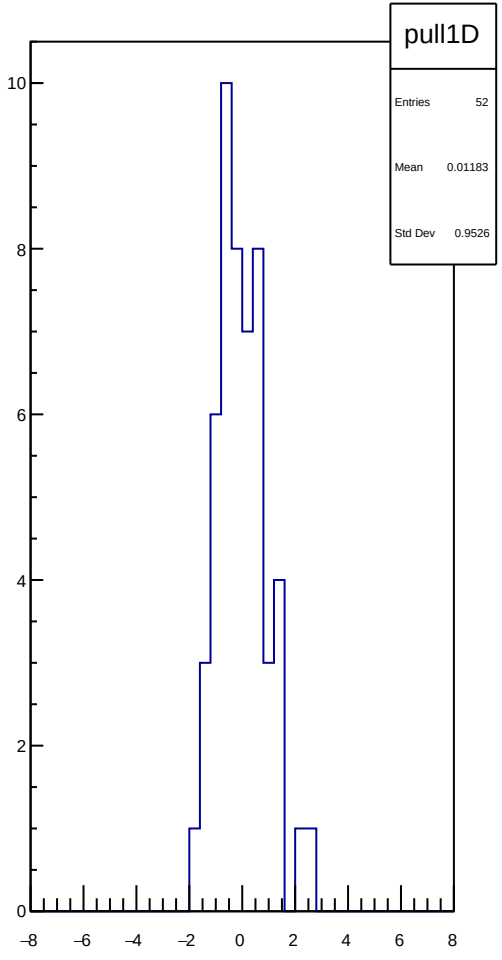

asym_sam3_cor_correction_rms vs run
χ² / ndf 3.606e+04 / 51
p0 1368 ± 1.328
2600
2400
2200
2000
1800
1600
1400
1200
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

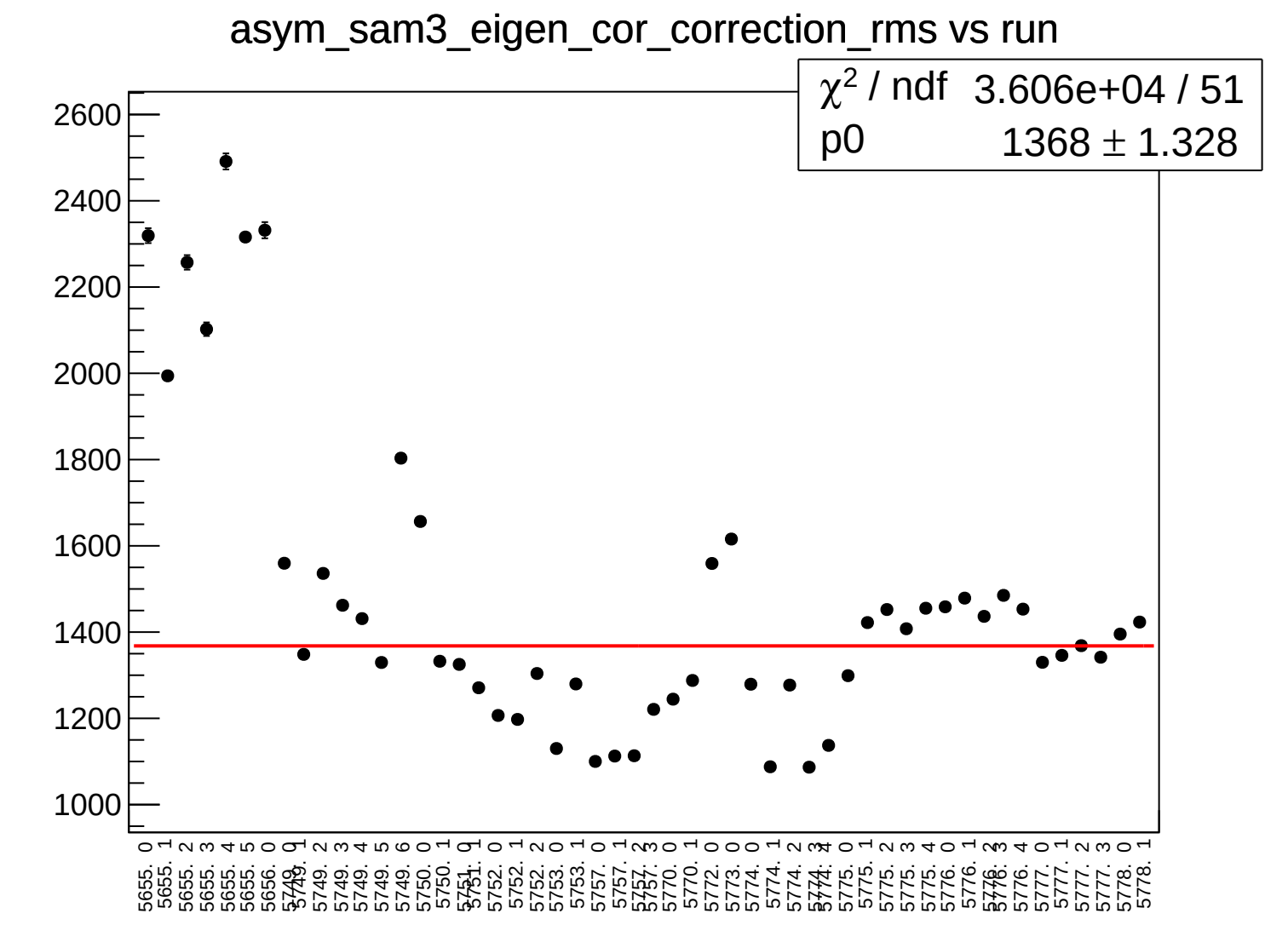

eigen_cor_asym_sam3_mean vs run
χ² / ndf 50.78 / 51
p0 −91.83 ± 147.8
pull
Entries 52
Mean −221
Std Dev 0

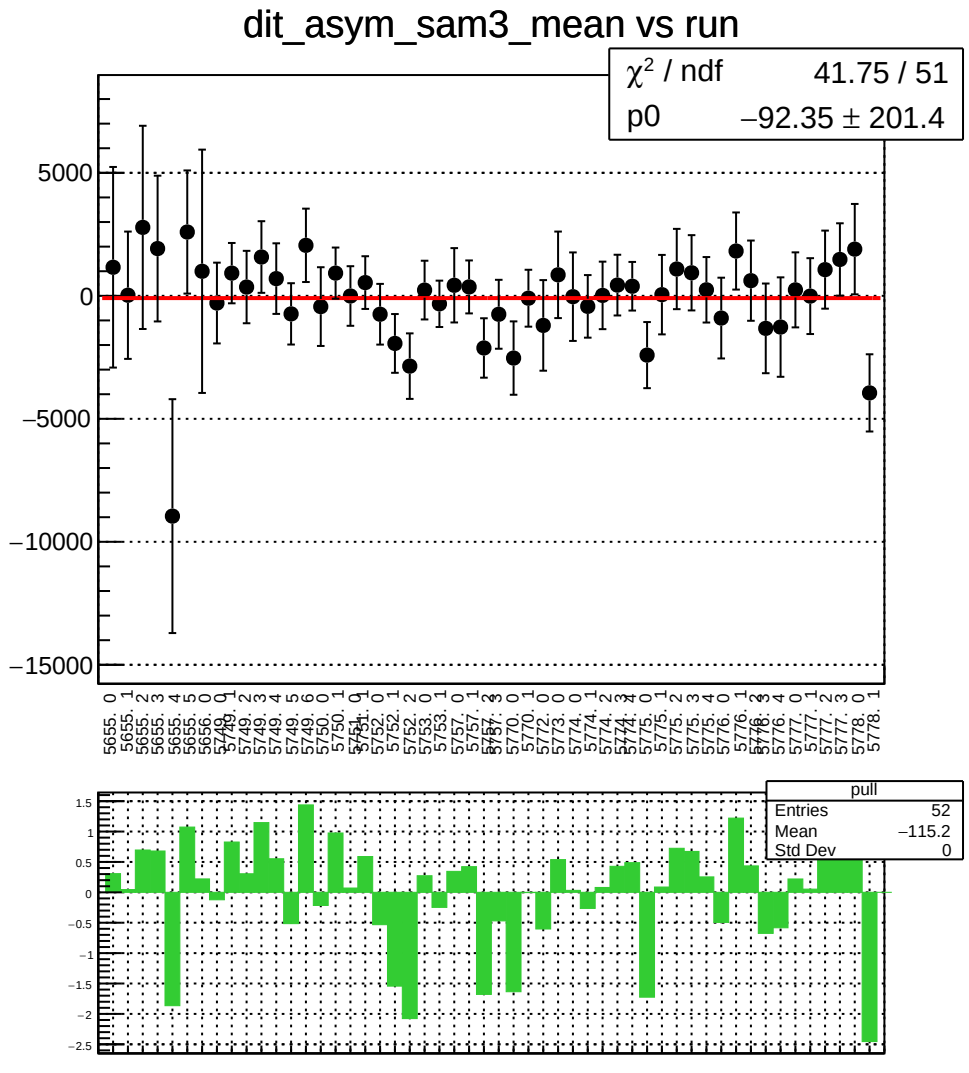

pull1D
Entries 52
Mean 0.01201
Std Dev 0.9881

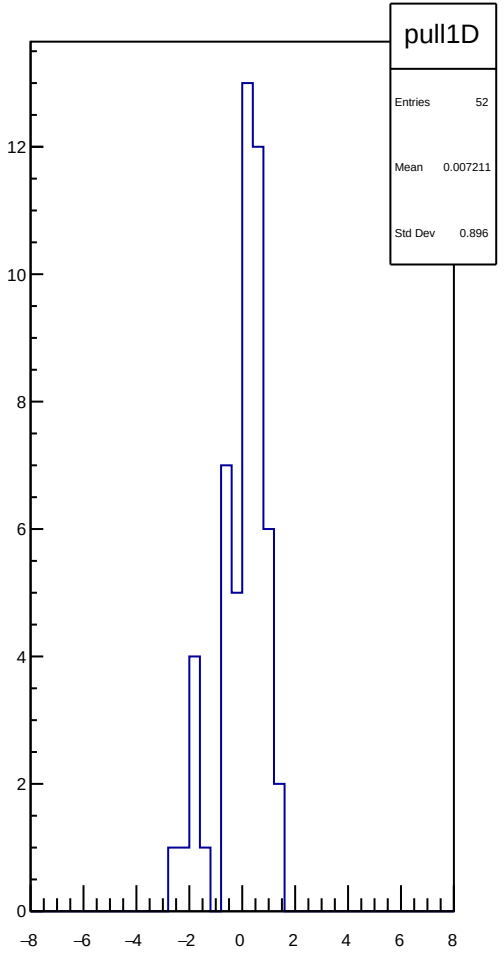

eigen_cor_asym_sam3_rms vs run
χ^2 / ndf 4.843e+04 / 51
p0 107 ± 0.1045
280
260
240
220
200
180
160
140
120
100
80
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

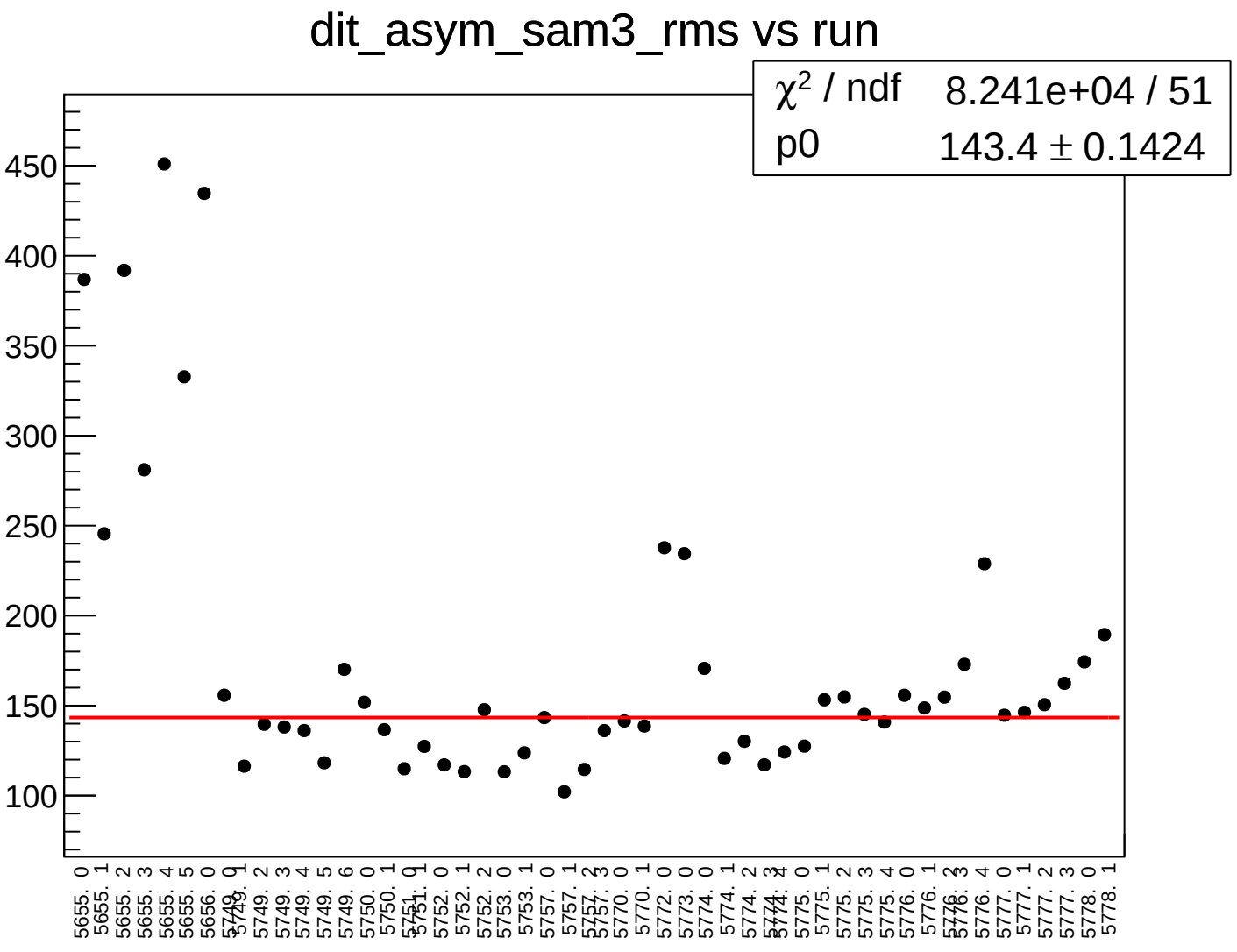

asym_sam3_eigen_cor_correction_mean vs run
χ² / ndf 47.2 / 51
p0 −185.3 ± 1879
×10³
pull
Entries 52
Mean −124
Std Dev 0

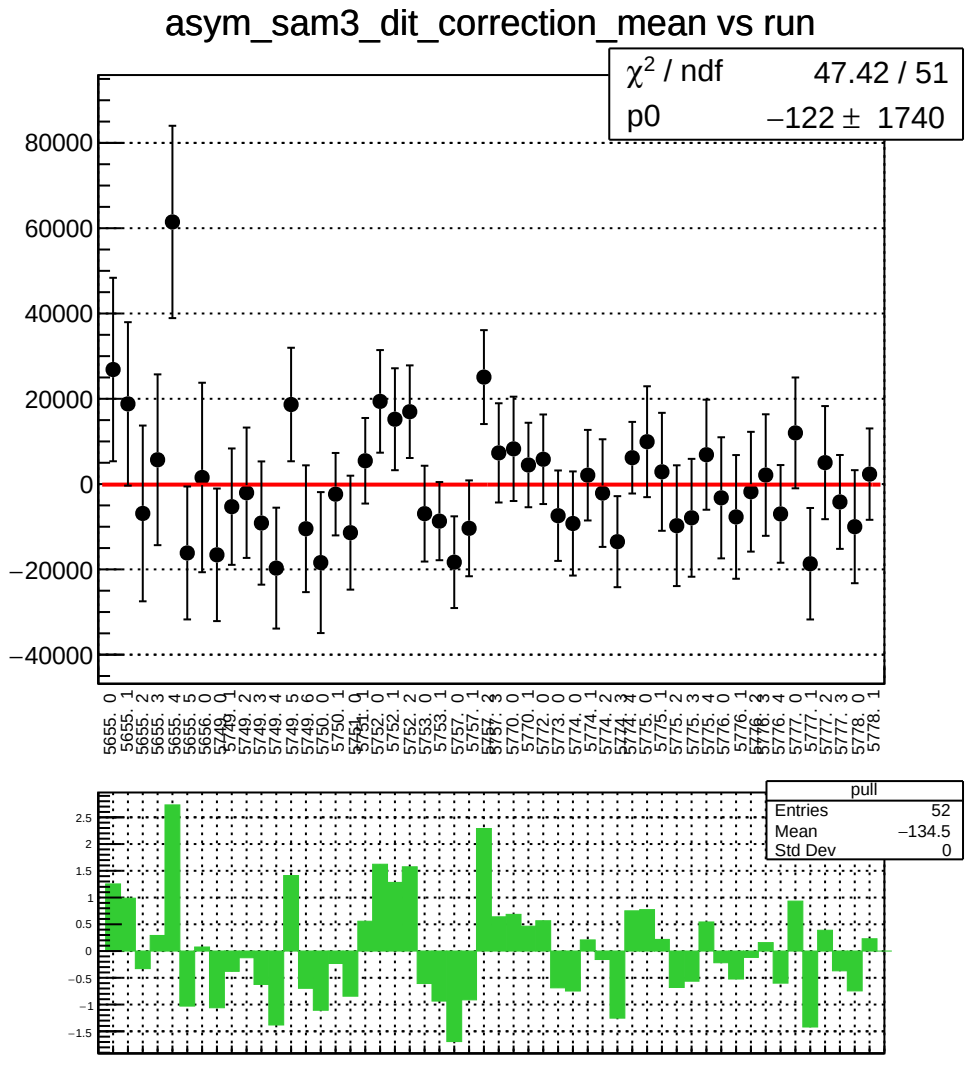

pull1D
Entries 52
Mean 0.01183
Std Dev 0.9526

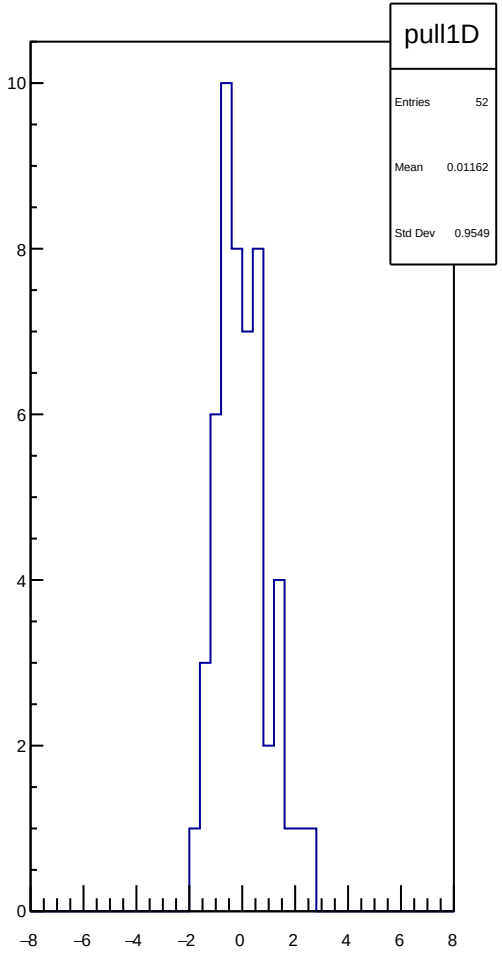

asym_sam3_eigen_cor_correction_rms vs run
χ² / ndf 3.606e+04 / 51
p0 1368 ± 1.328
2600
2400
2200
2000
1800
1600
1400
1200
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

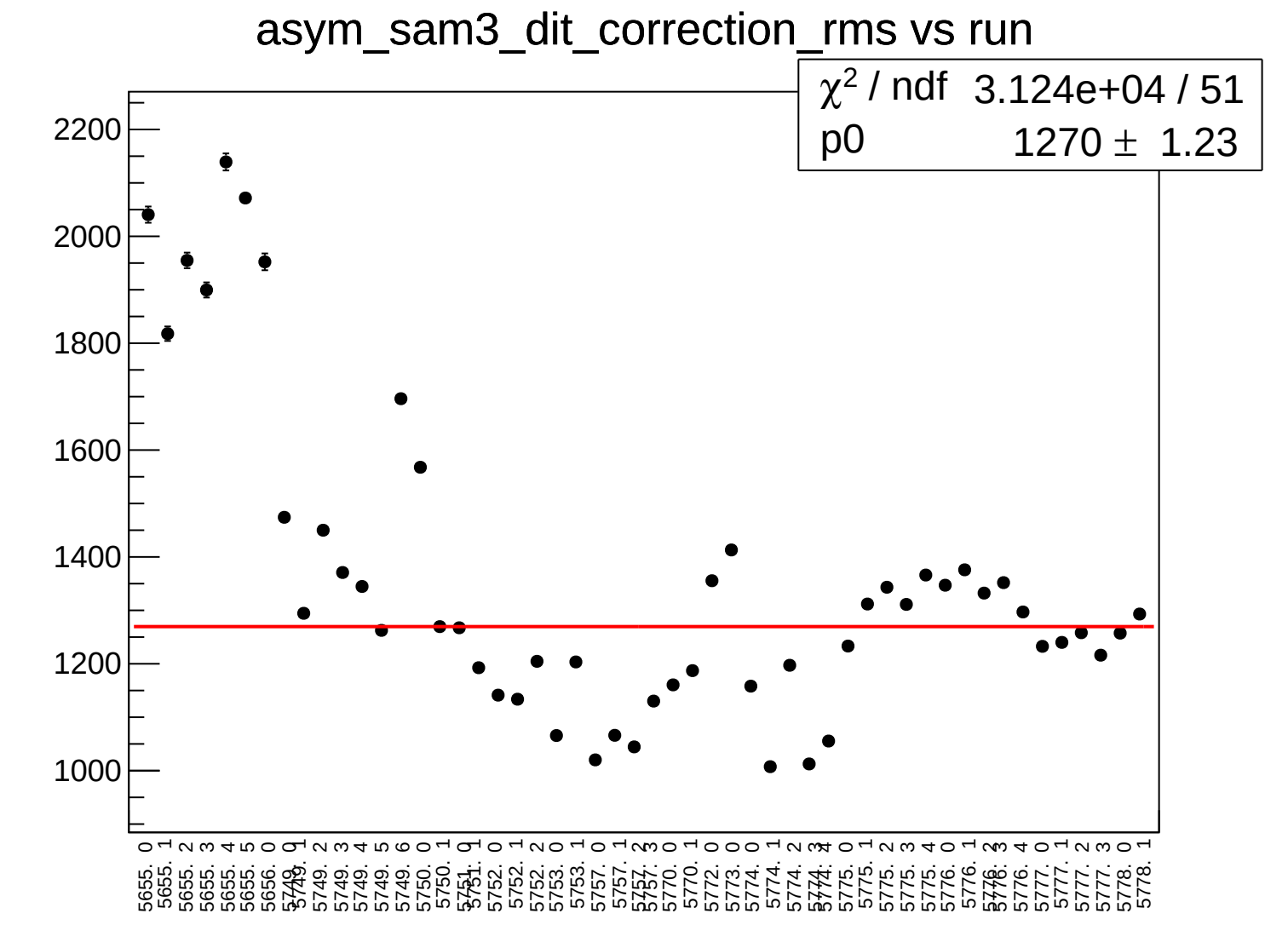

dit_asym_sam3_mean vs run
χ² / ndf 41.75 / 51
p0 −92.35 ± 201.4
5000
0
−5000
−10000
−15000
pull
Entries 52
Mean −115.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

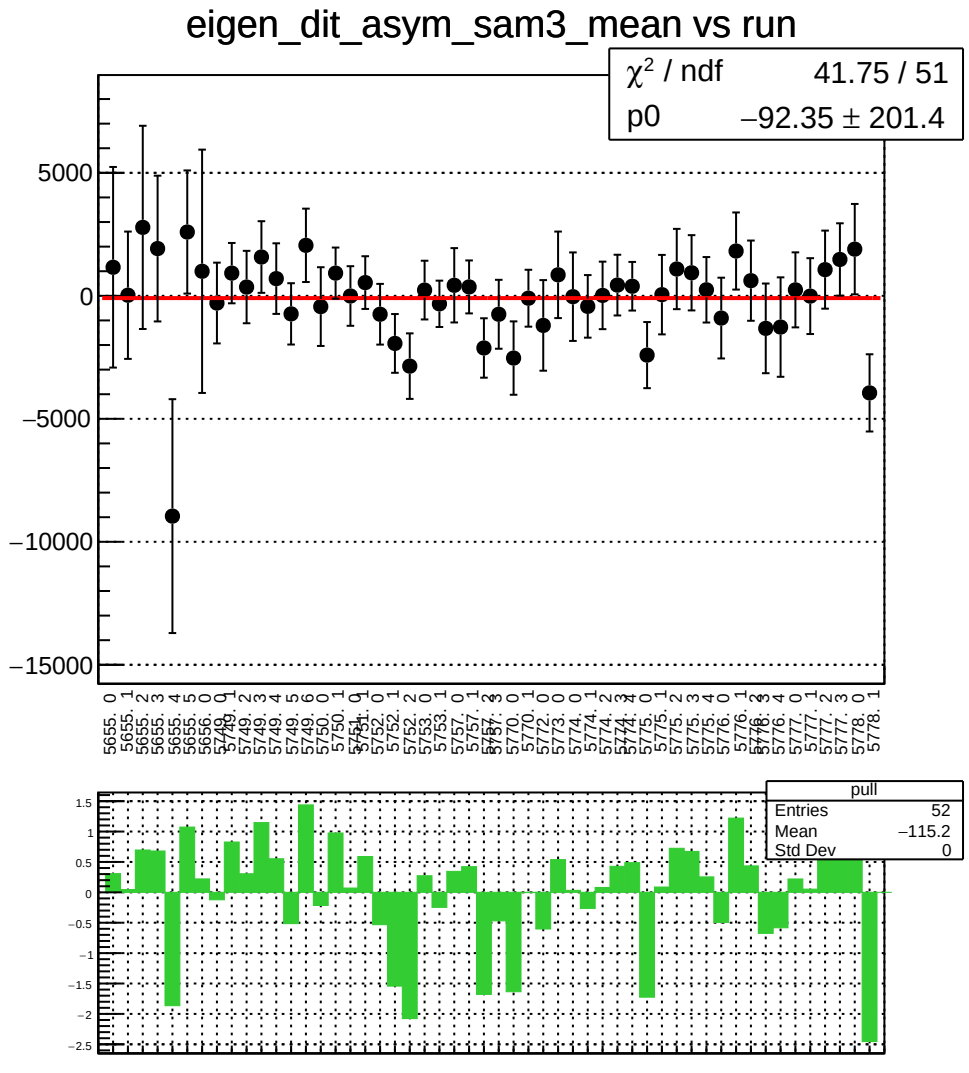

pull1D
Entries 52
Mean 0.007211
Std Dev 0.896
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

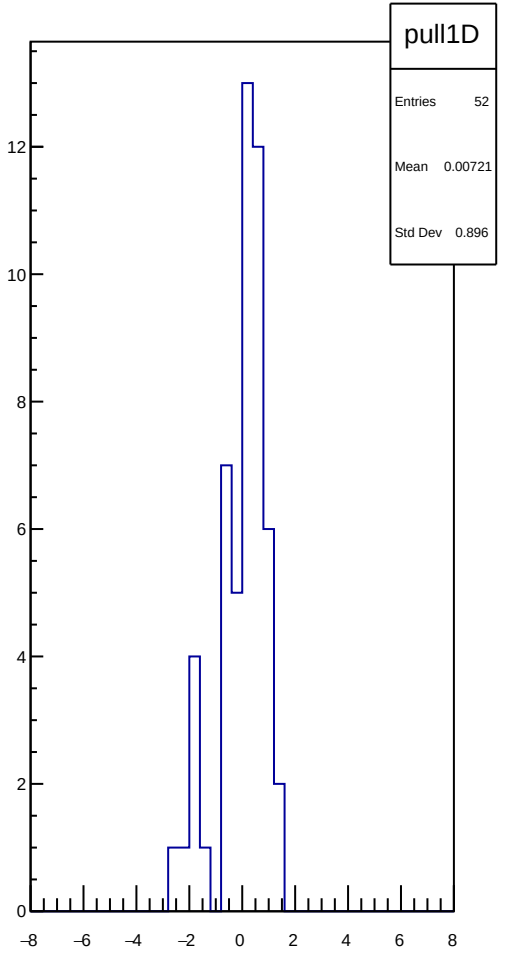

dit_asym_sam3_rms vs run
χ² / ndf 8.241e+04 / 51
p0 143.4 ± 0.1424
450
400
350
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

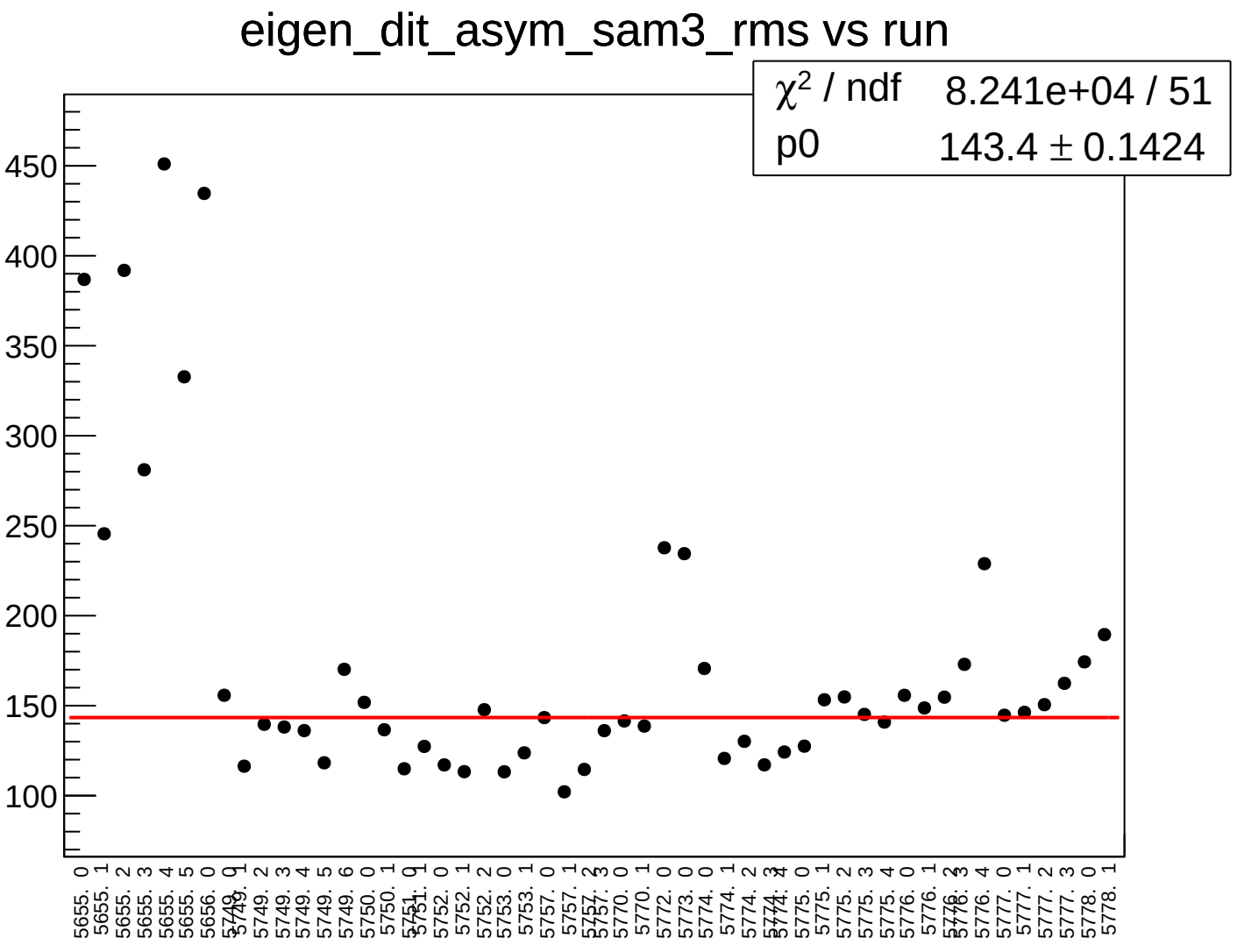

asym_sam3_dit_correction_mean vs run
χ² / ndf 47.42 / 51
p0 −122 ± 1740
pull
Entries 52
Mean −134.5
Std Dev 0

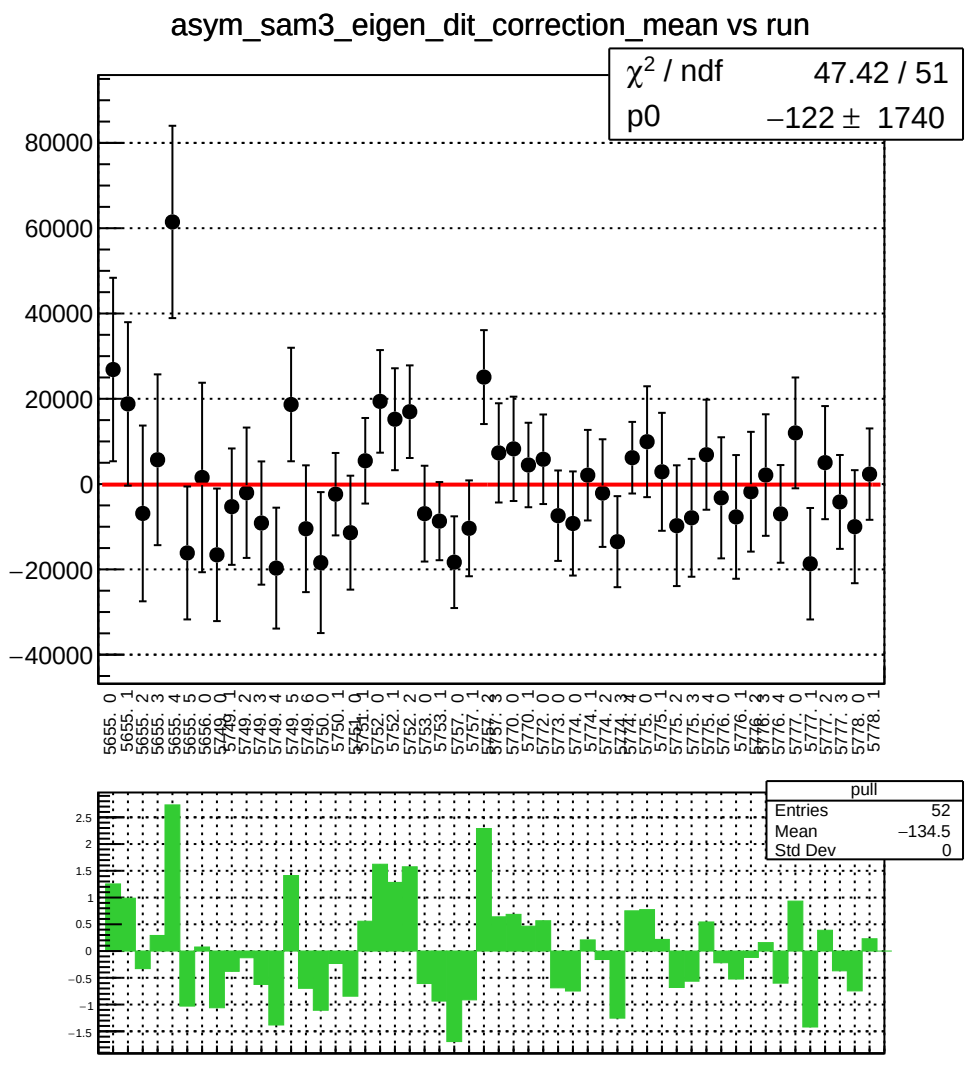

pull1D
Entries 52
Mean 0.01162
Std Dev 0.9549

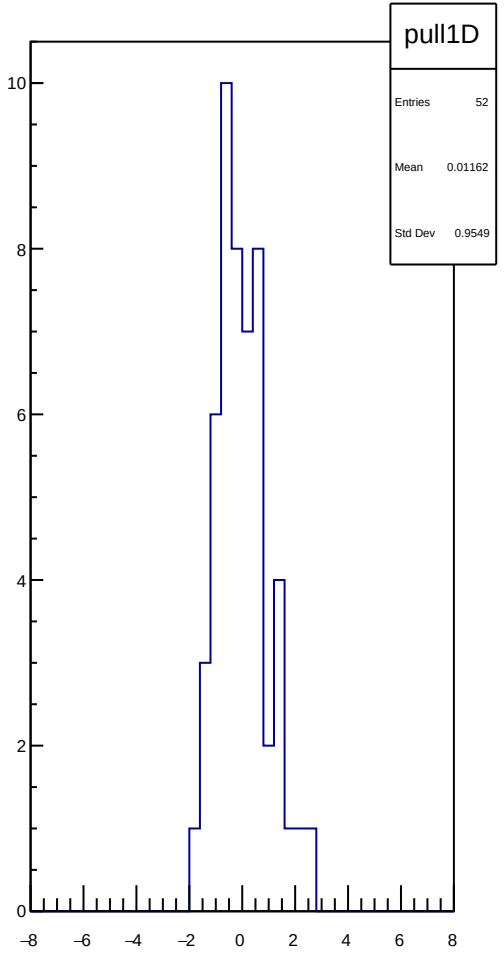

asym_sam3_dit_correction_rms vs run
χ² / ndf 3.124e+04 / 51
p0 1270 ± 1.23
2200
2000
1800
1600
1400
1200
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

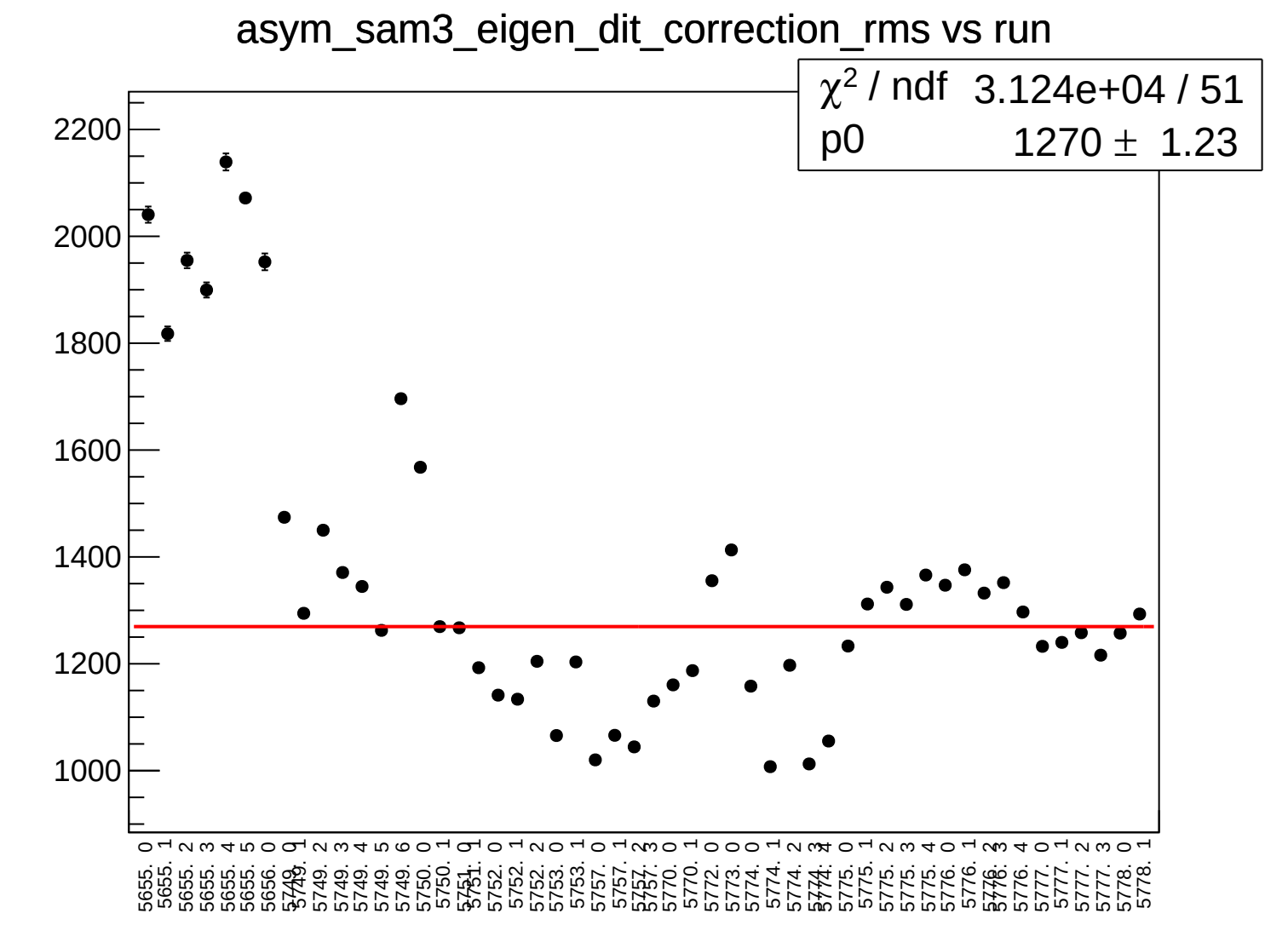

eigen_dit_asym_sam3_mean vs run
χ² / ndf 41.75 / 51
p0 −92.35 ± 201.4
5000
0
−5000
−10000
−15000
pull
Entries 52
Mean −115.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

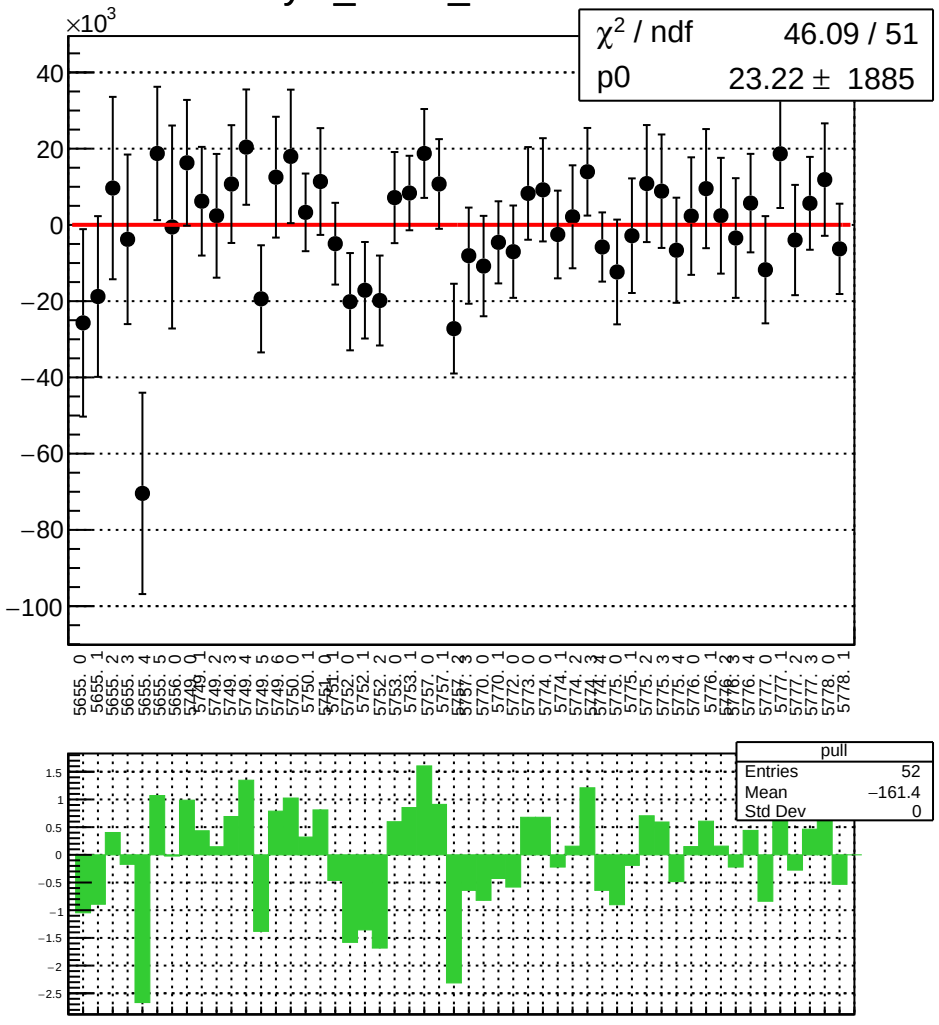

pull1D
Entries 52
Mean 0.00721
Std Dev 0.896
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

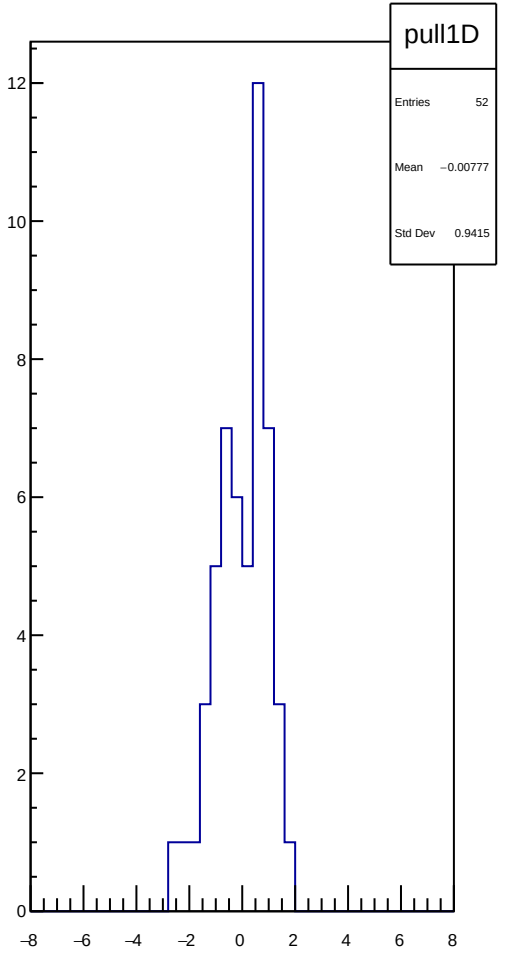

eigen_dit_asym_sam3_rms vs run
χ^2 / ndf 8.241e+04 / 51
p0 143.4 ± 0.1424
450
400
350
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

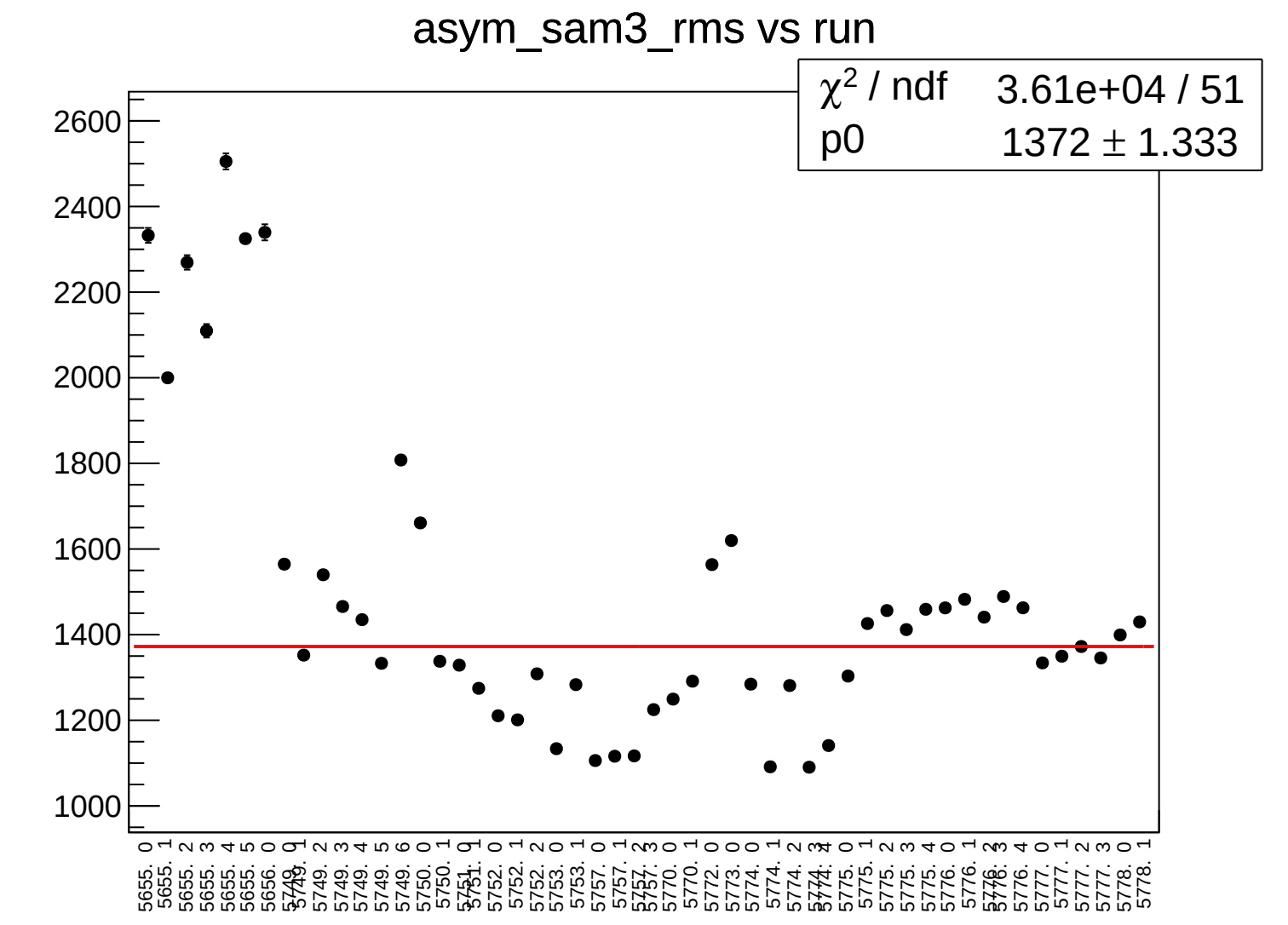

asym_sam3_eigen_dit_correction_mean vs run
χ² / ndf 47.42 / 51
p0 −122 ± 1740
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −134.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

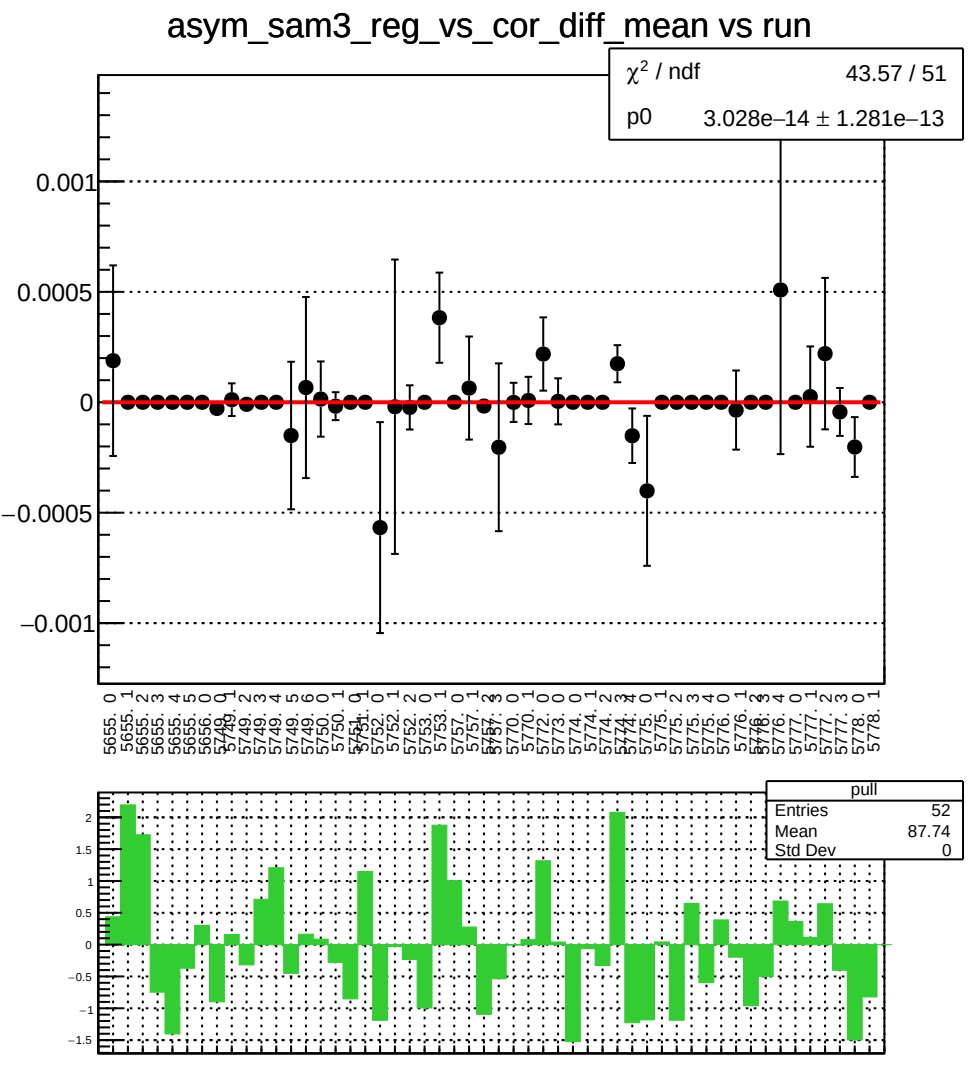

pull1D
Entries 52
Mean 0.01162
Std Dev 0.9549
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

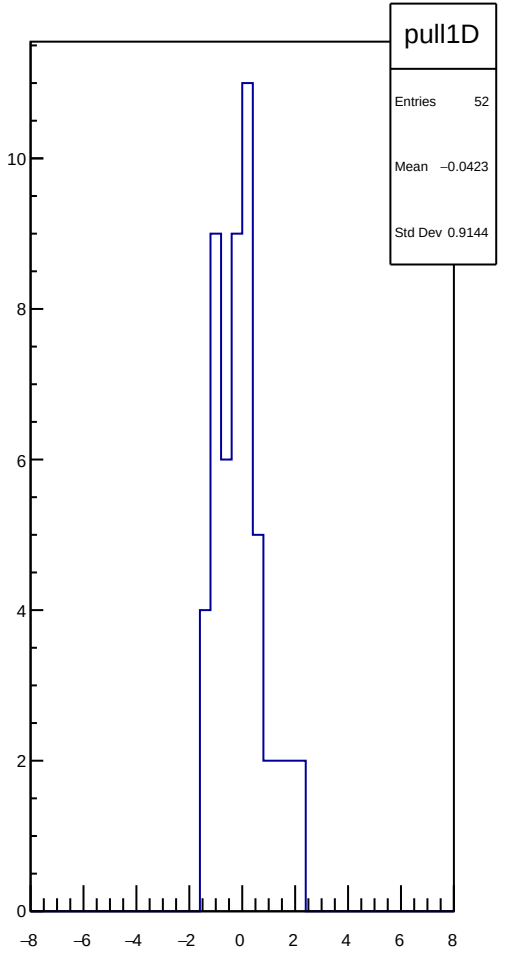

asym_sam3_eigen_dit_correction_rms vs run
χ² / ndf 3.124e+04 / 51
p0 1270 ± 1.23
2200
2000
1800
1600
1400
1200
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

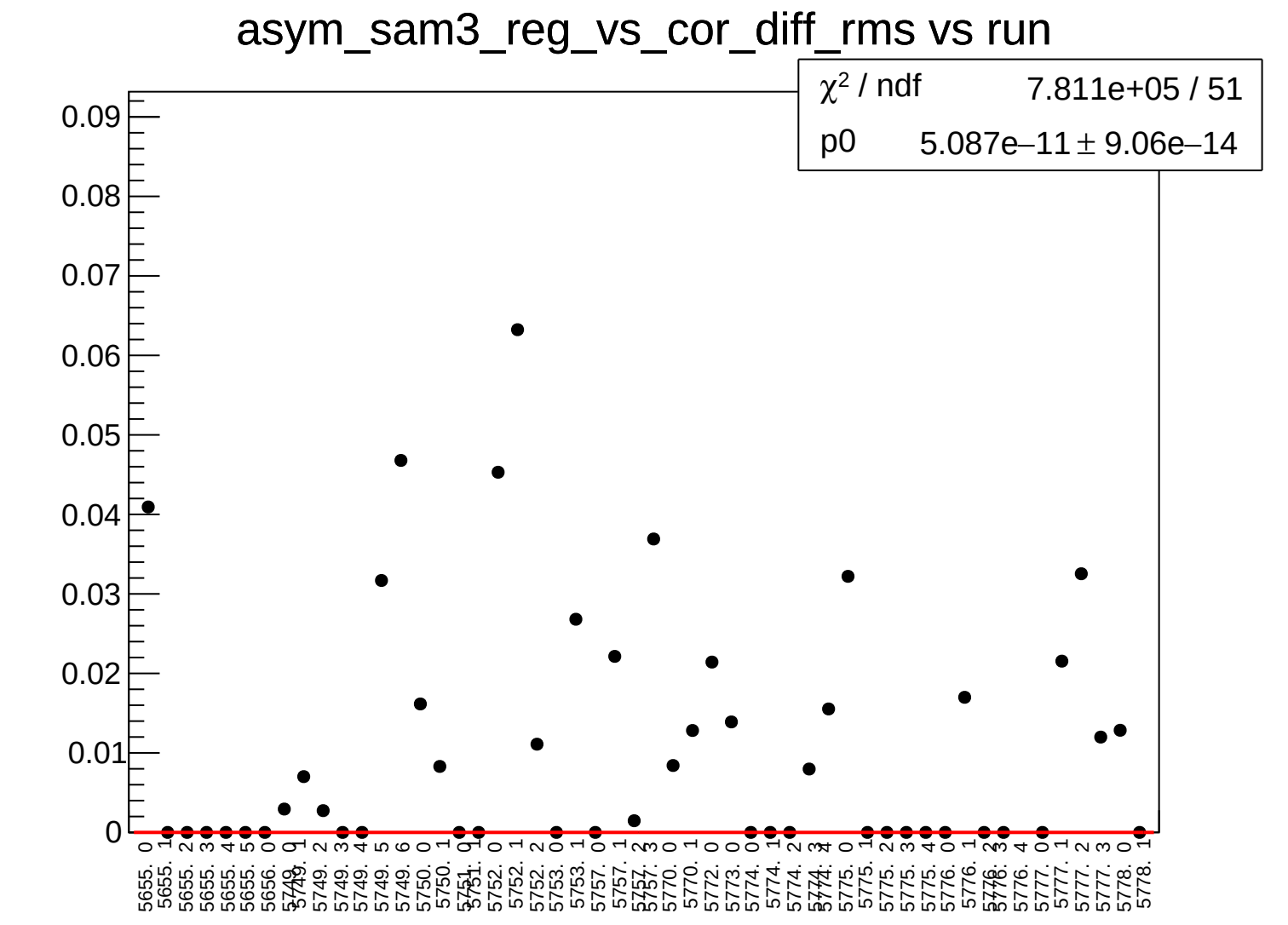

asym_sam3_mean vs run
×10^3
χ^2 / ndf 46.09 / 51
p0 23.22 ± 1885
pull
Entries 52
Mean −161.4
Std Dev 0


pull1D
Entries 52
Mean −0.00777
Std Dev 0.9415


asym_sam3_rms vs run
χ² / ndf 3.61e+04 / 51
p0 1372 ± 1.333
2600
2400
2200
2000
1800
1600
1400
1200
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam3_reg_vs_cor_diff_mean vs run
χ² / ndf 43.57 / 51
p0 3.028e−14 ± 1.281e−13
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 52
Mean 87.74
Std Dev 0


pull1D
Entries 52
Mean −0.0423
Std Dev 0.9144
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam3_reg_vs_cor_diff_rms vs run
χ² / ndf 7.811e+05 / 51
p0 5.087e−11 ± 9.06e−14
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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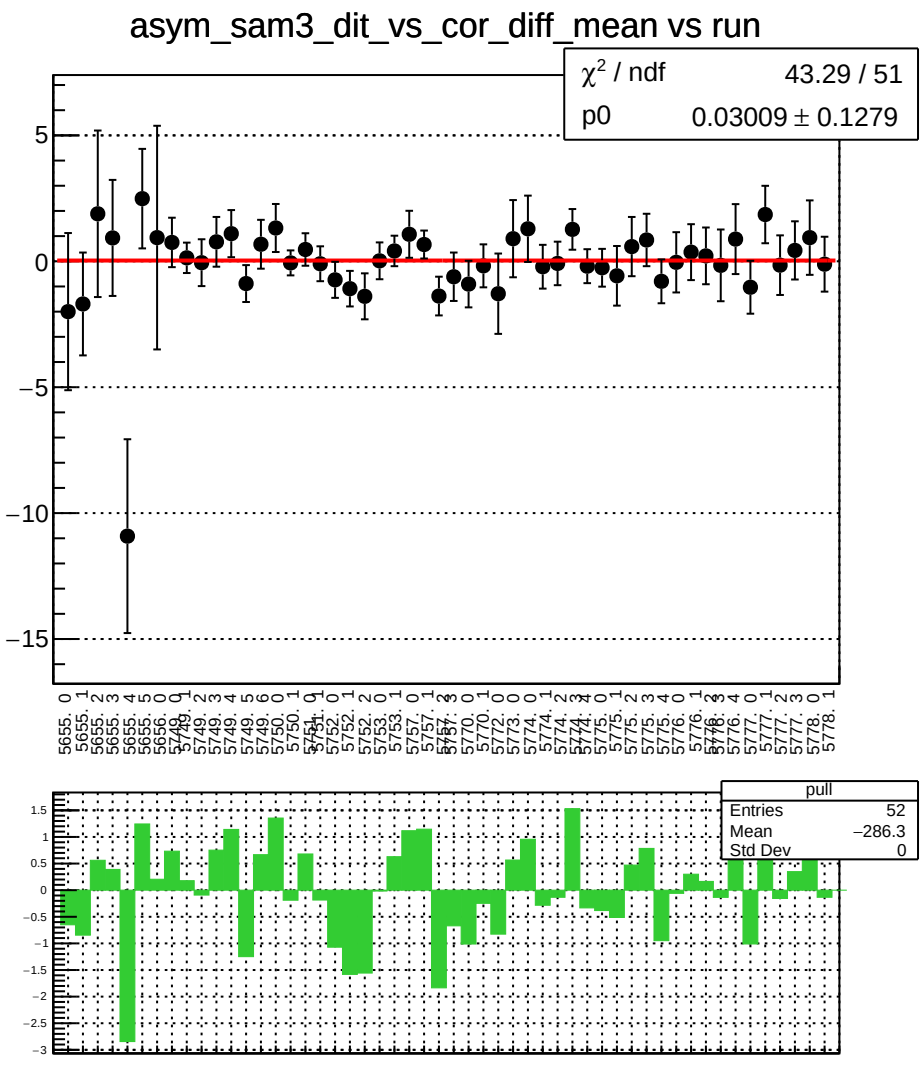
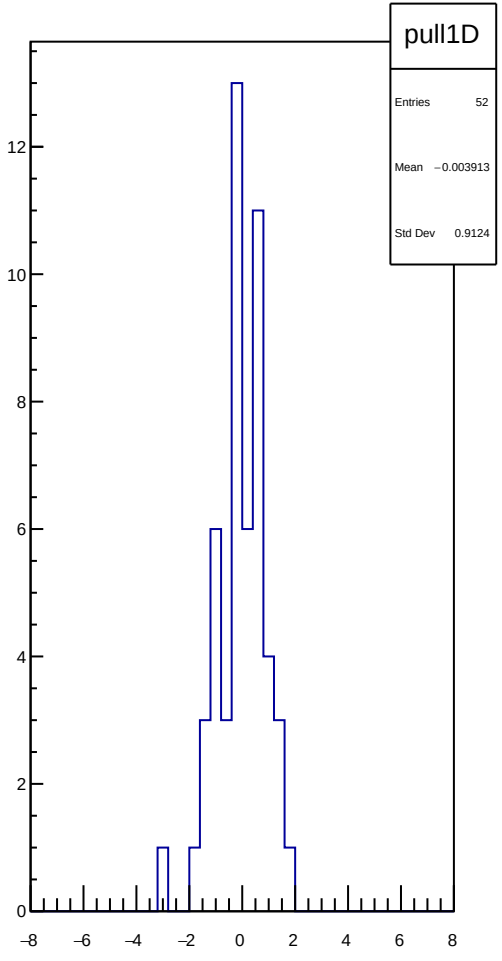
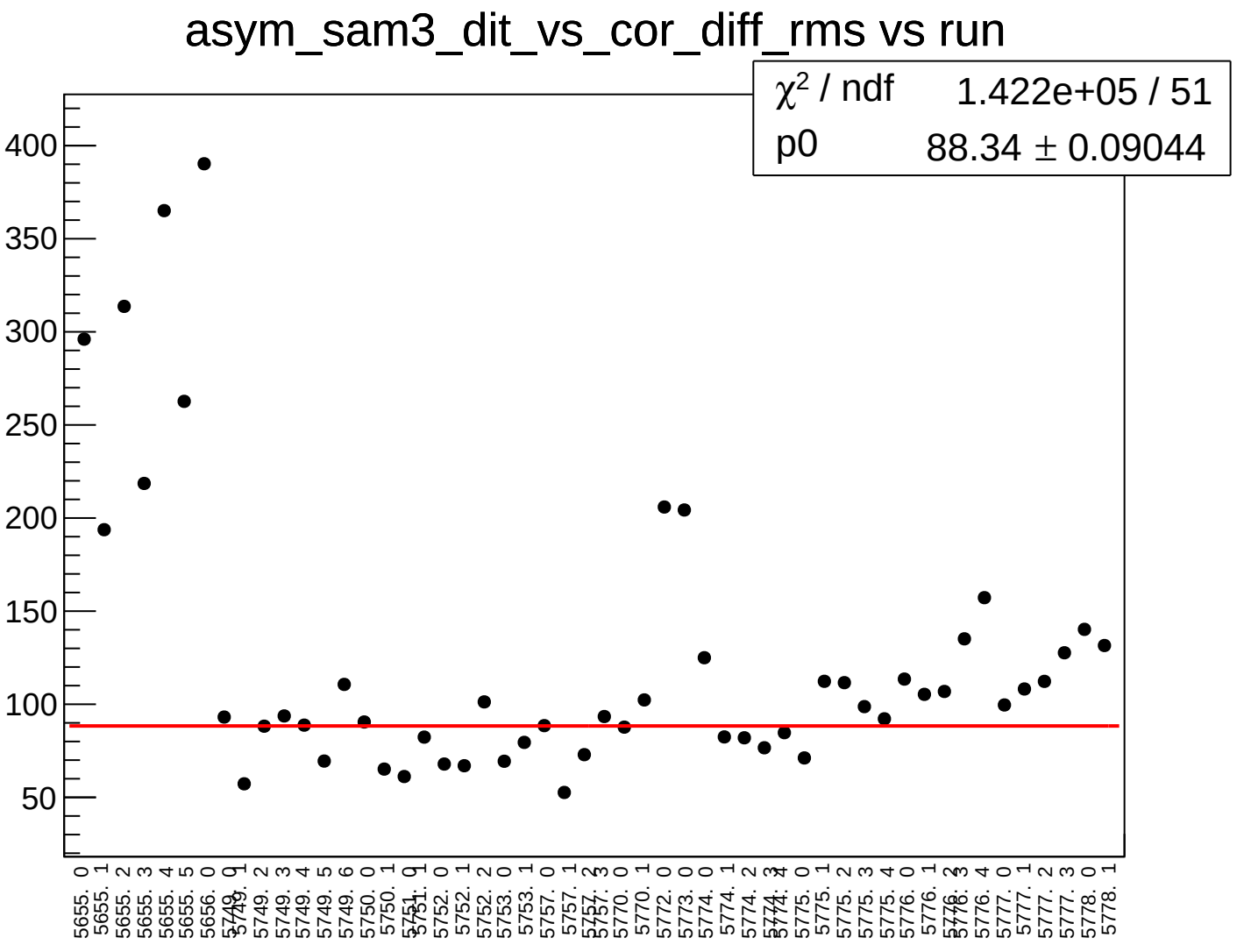
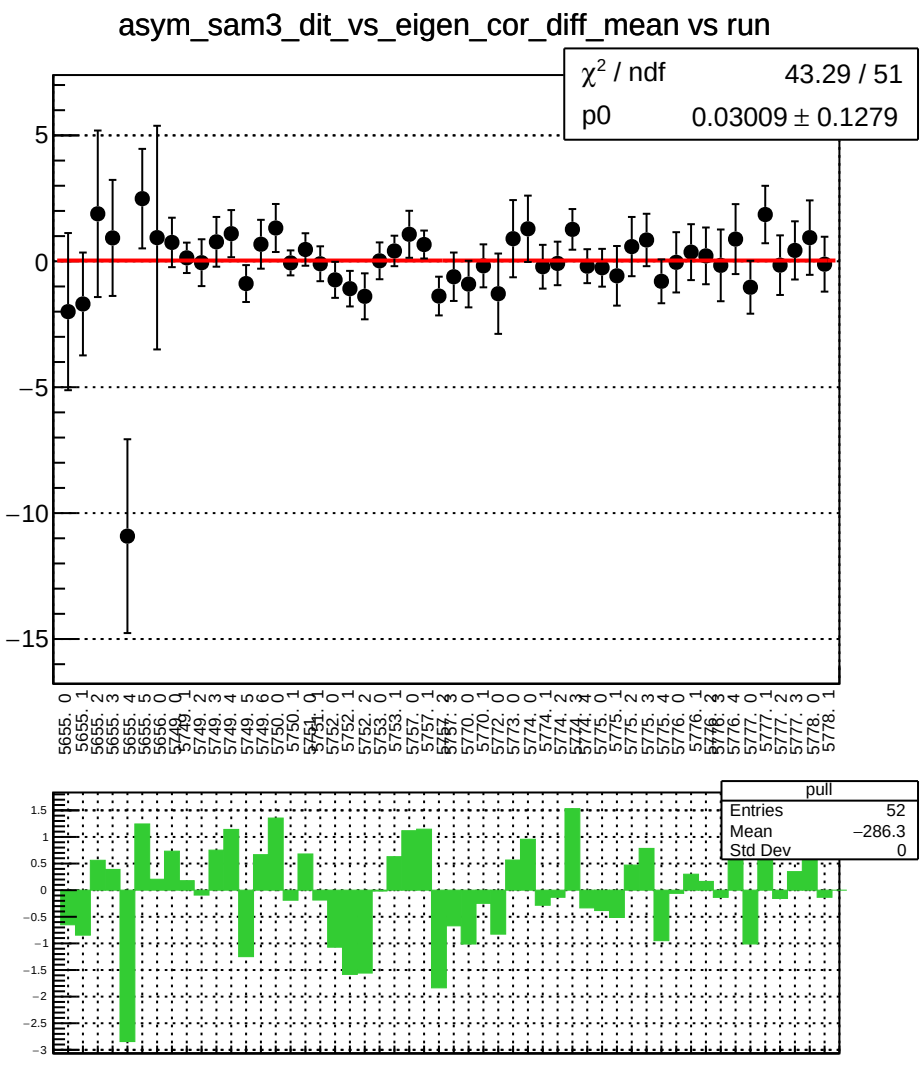
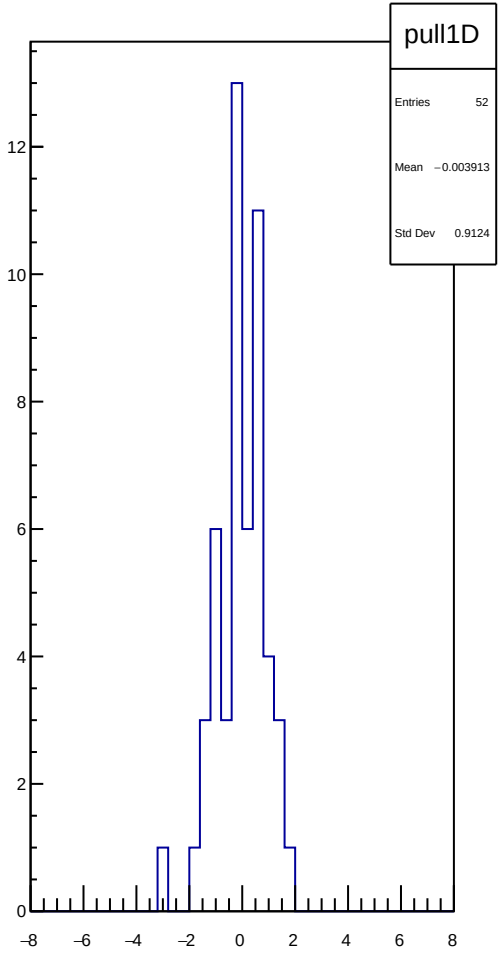
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

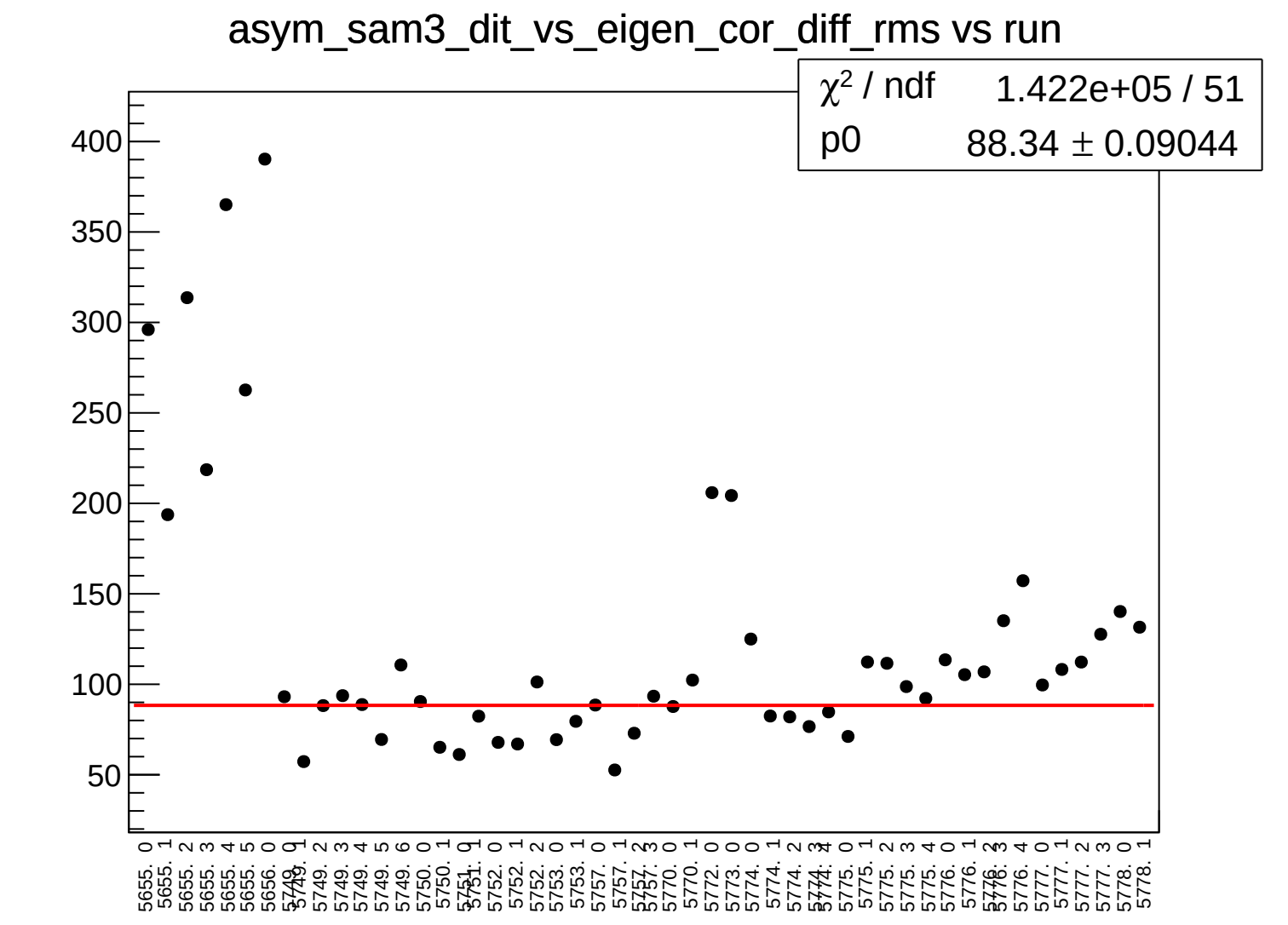

asym_sam3_dit_vs_cor_diff_mean vs run
χ² / ndf 43.29 / 51
p0 0.03009 ± 0.1279
pull
Entries 52
Mean −286.3
Std Dev 0


pull1D
Entries 52
Mean −0.003913
Std Dev 0.9124


asym_sam3_dit_vs_cor_diff_rms vs run
χ² / ndf 1.422e+05 / 51
p0 88.34 ± 0.09044
400
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam3_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.29 / 51
p0 0.03009 ± 0.1279
pull
Entries 52
Mean −286.3
Std Dev 0


pull1D
Entries 52
Mean −0.003913
Std Dev 0.9124


asym_sam3_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.422e+05 / 51
p0 88.34 ± 0.09044
400
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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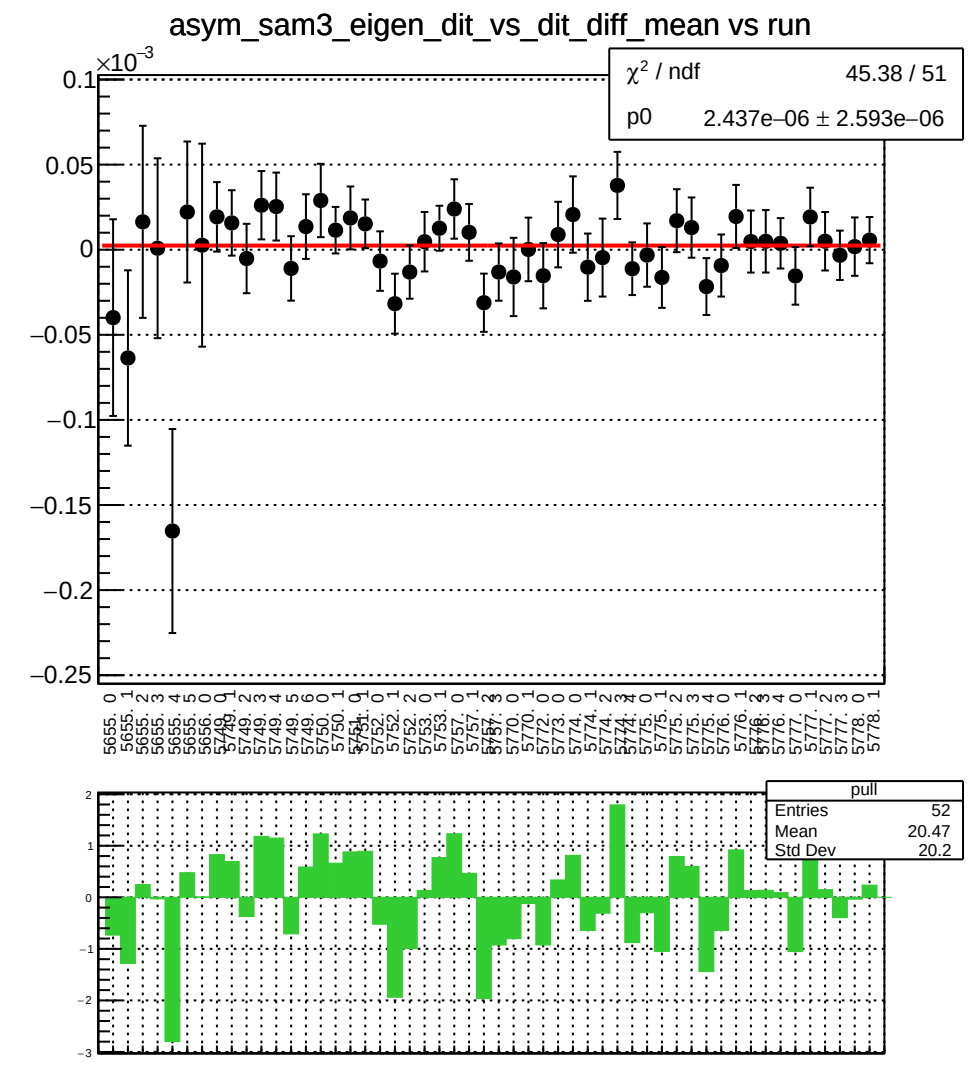
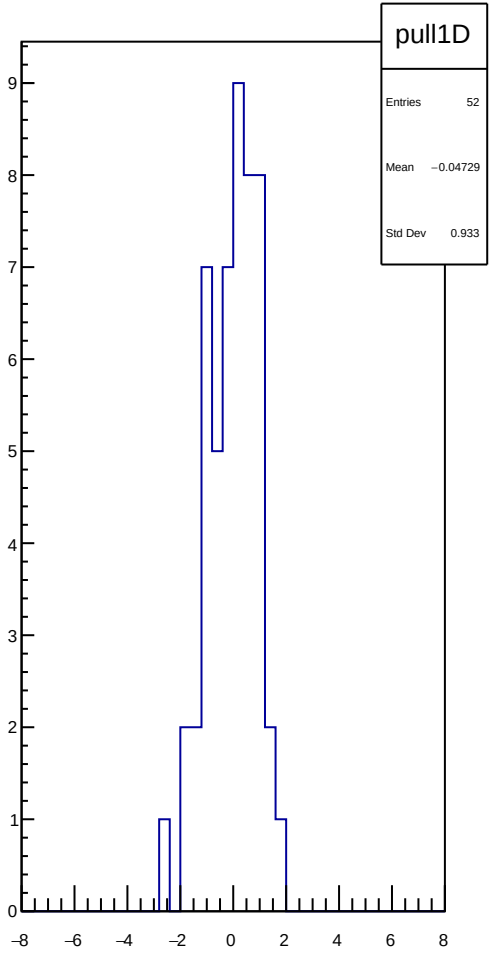
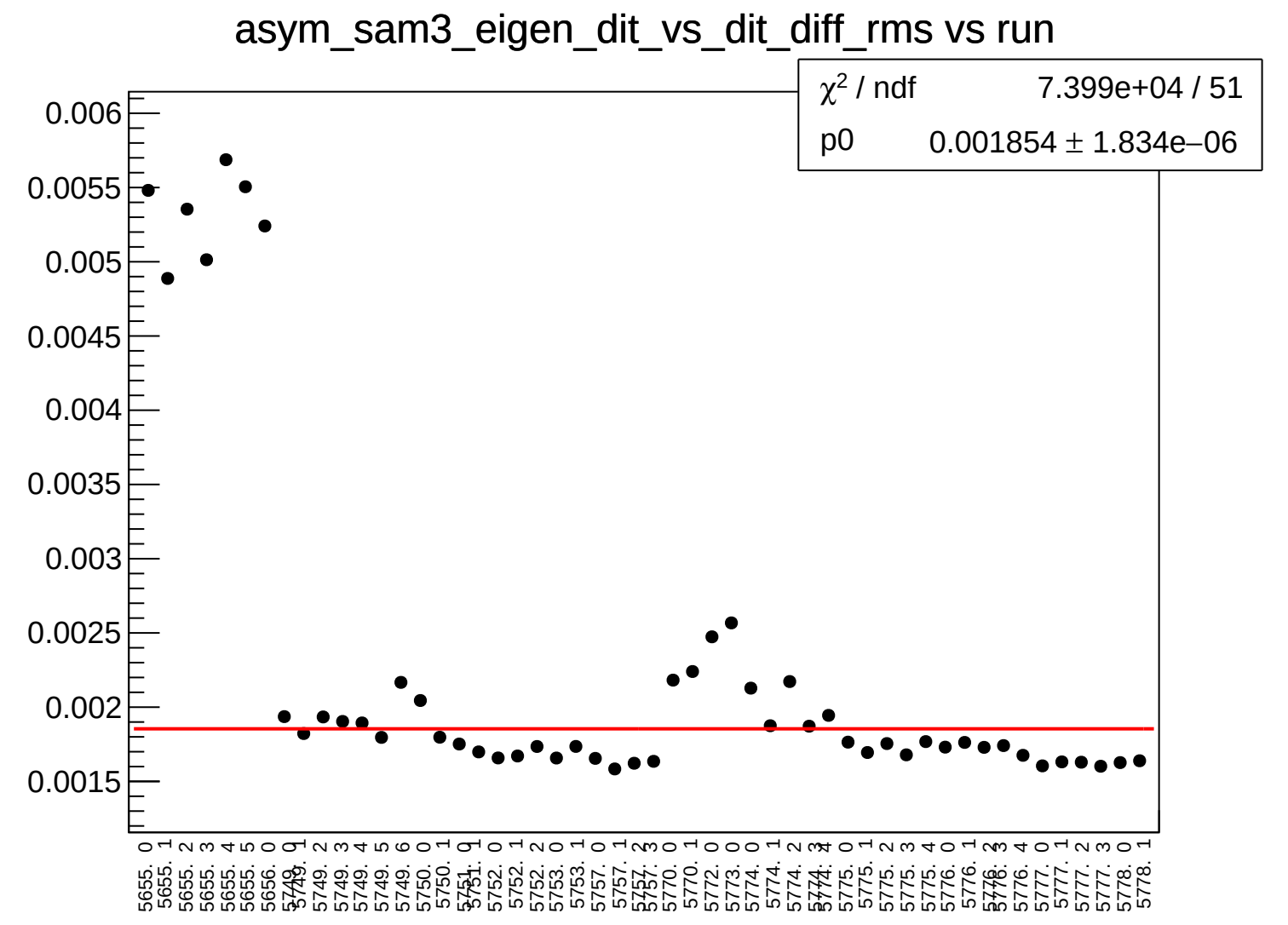
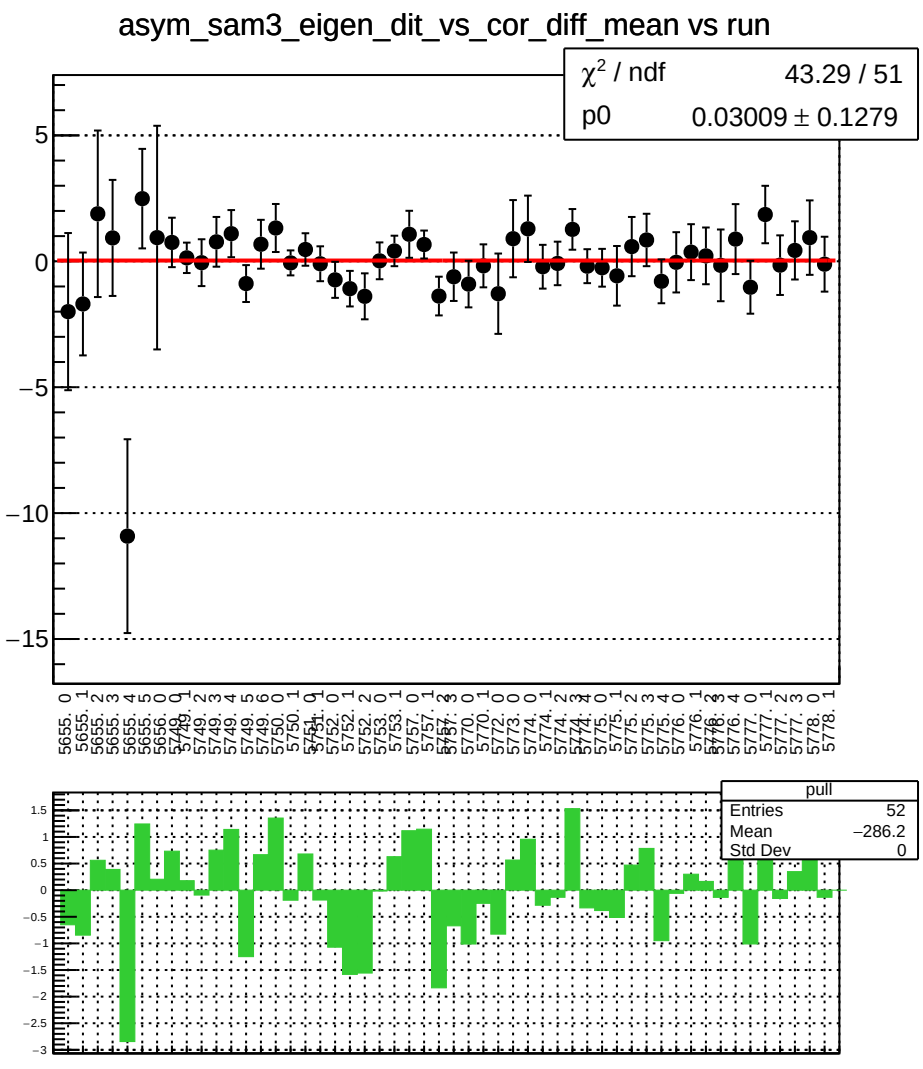
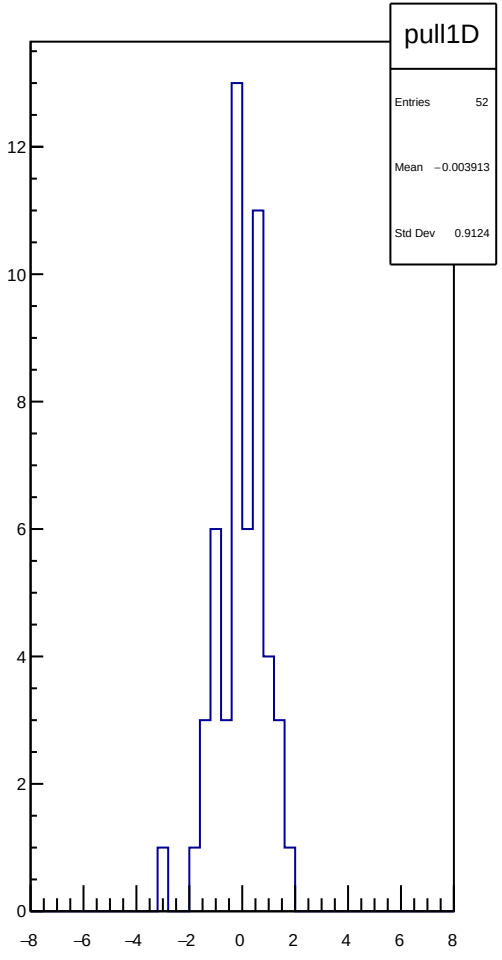
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

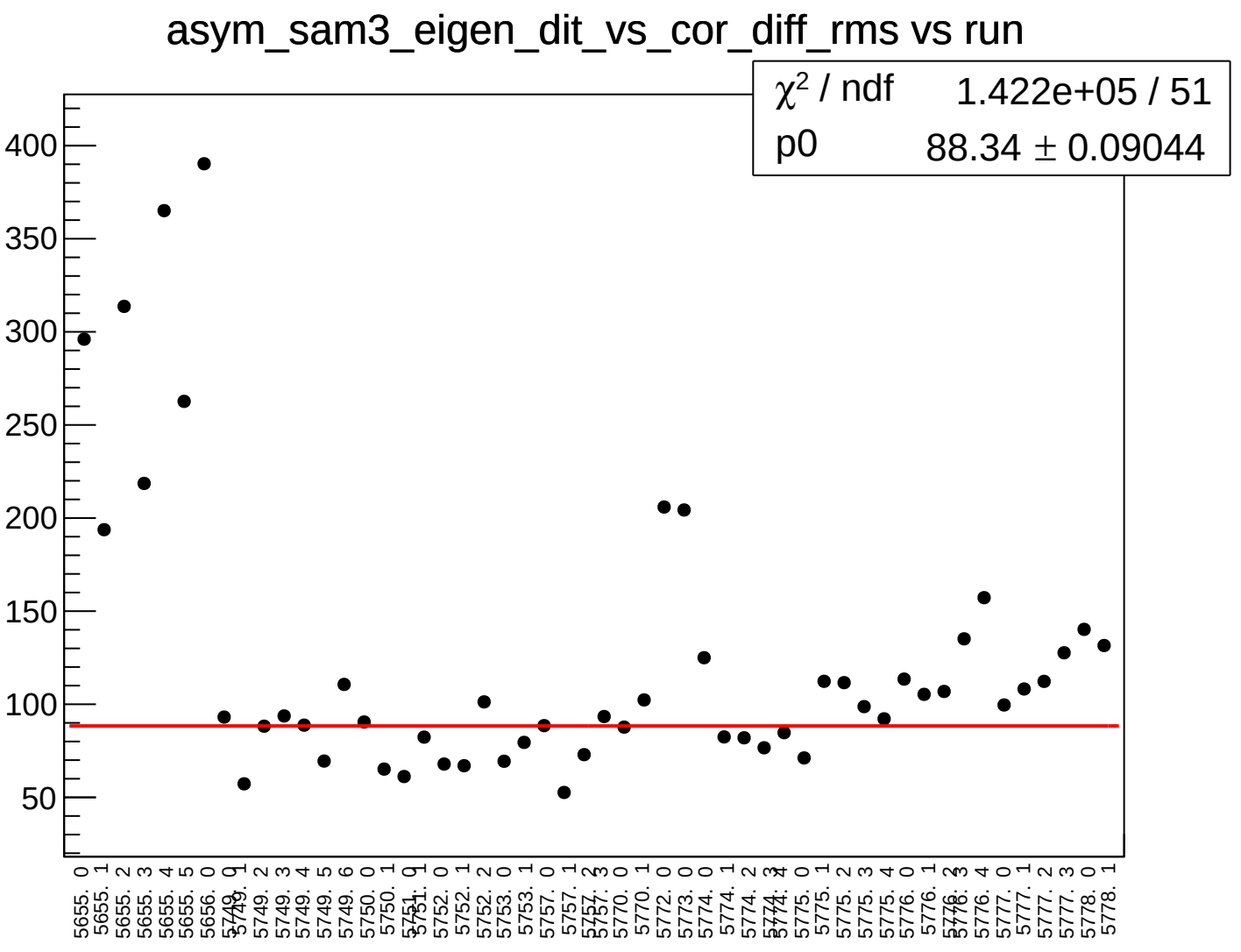

asym_sam3_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 45.38 / 51
p0 2.437e−06 ± 2.593e−06
pull
Entries 52
Mean 20.47
Std Dev 20.2


pull1D
Entries 52
Mean −0.04729
Std Dev 0.933


asym_sam3_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7.399e+04 / 51
p0 0.001854 ± 1.834e−06
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam3_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 43.29 / 51
p0 0.03009 ± 0.1279
pull
Entries 52
Mean −286.2
Std Dev 0


pull1D
Entries 52
Mean −0.003913
Std Dev 0.9124


asym_sam3_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.422e+05 / 51
p0 88.34 ± 0.09044
400
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
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5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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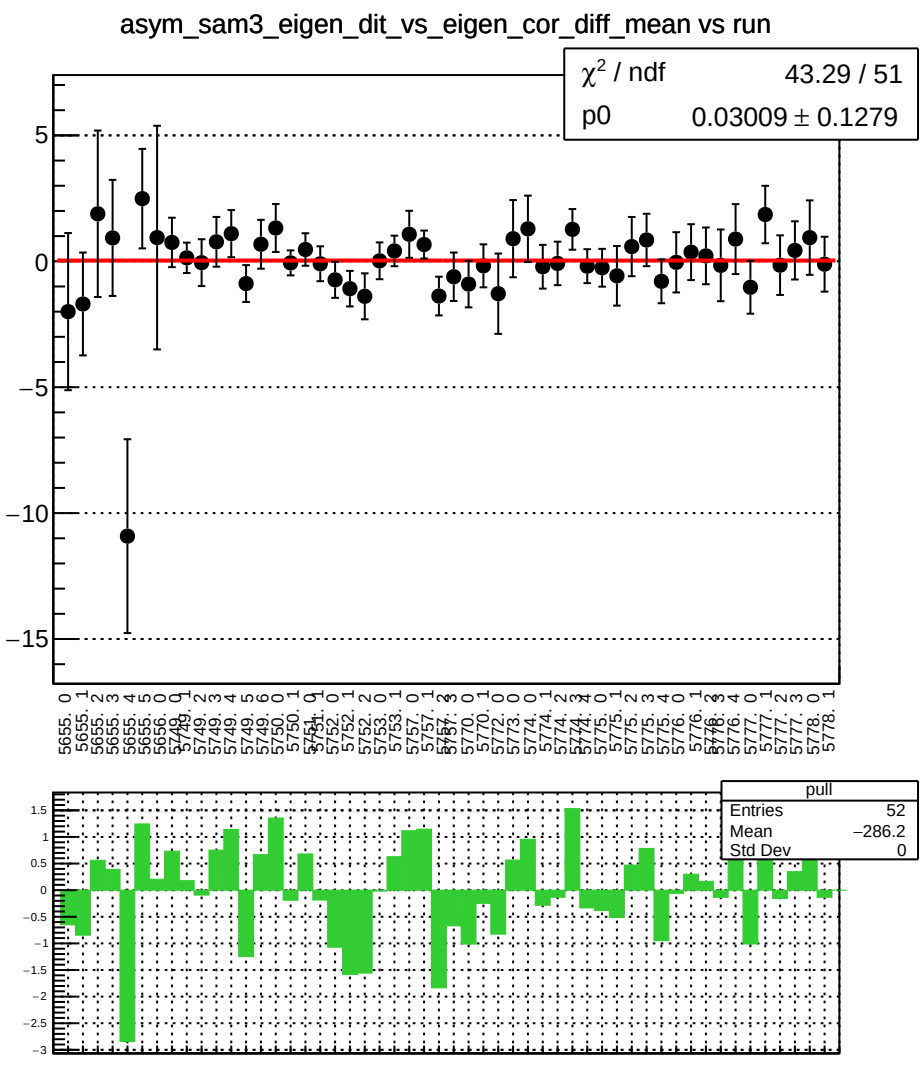
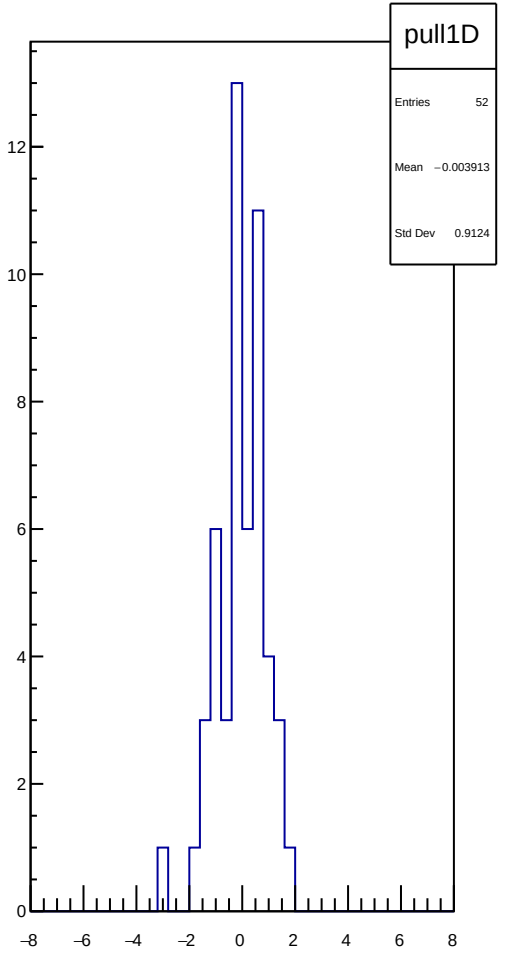
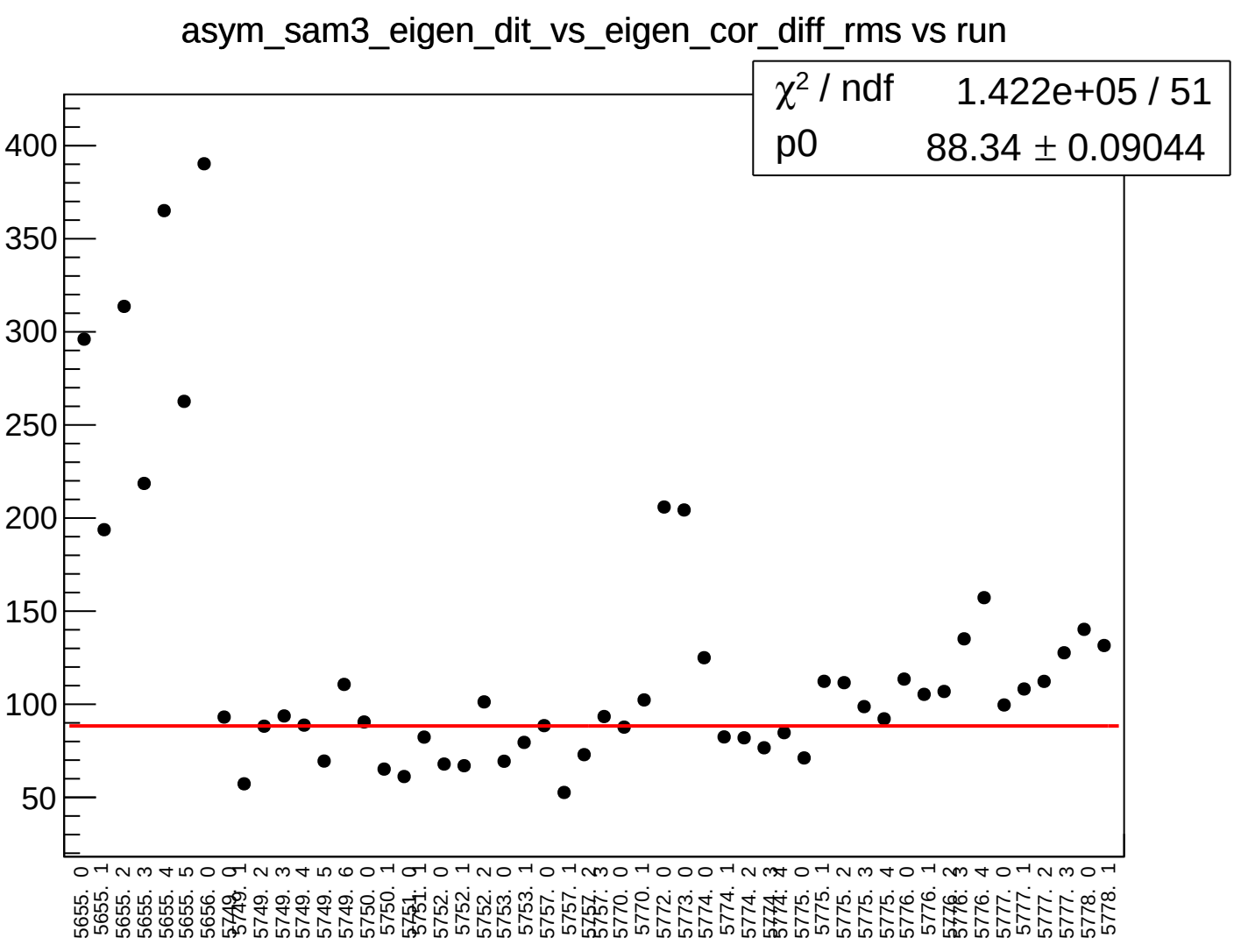
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.29 / 51
p0 0.03009 ± 0.1279
pull
Entries 52
Mean −286.2
Std Dev 0


pull1D
Entries 52
Mean −0.003913
Std Dev 0.9124


asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.422e+05 / 51
p0 88.34 ± 0.09044
400
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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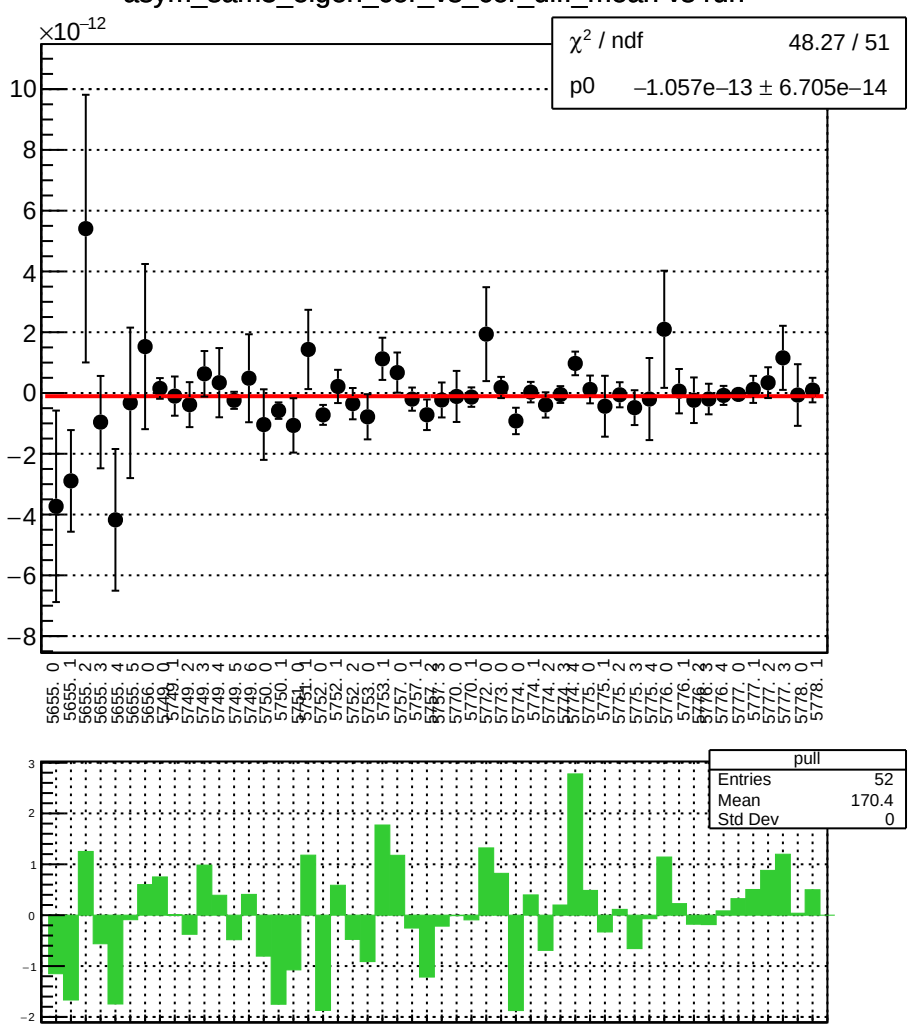
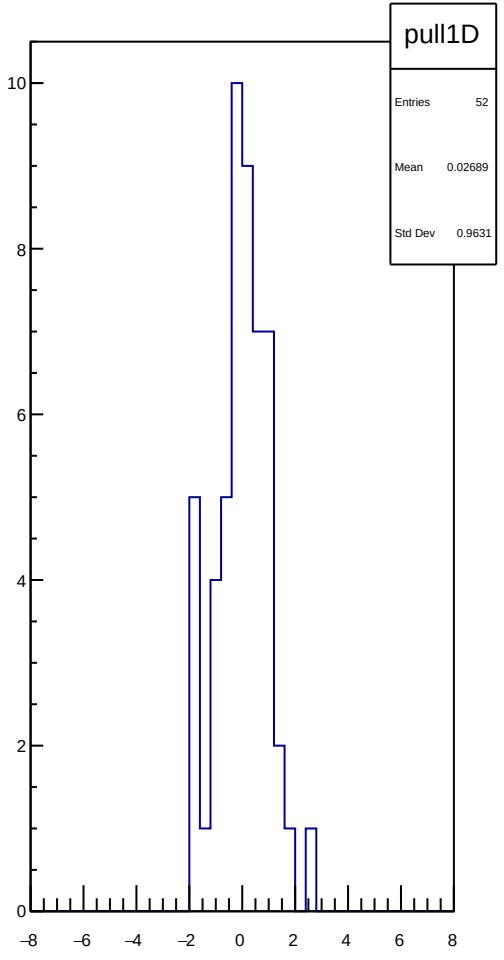
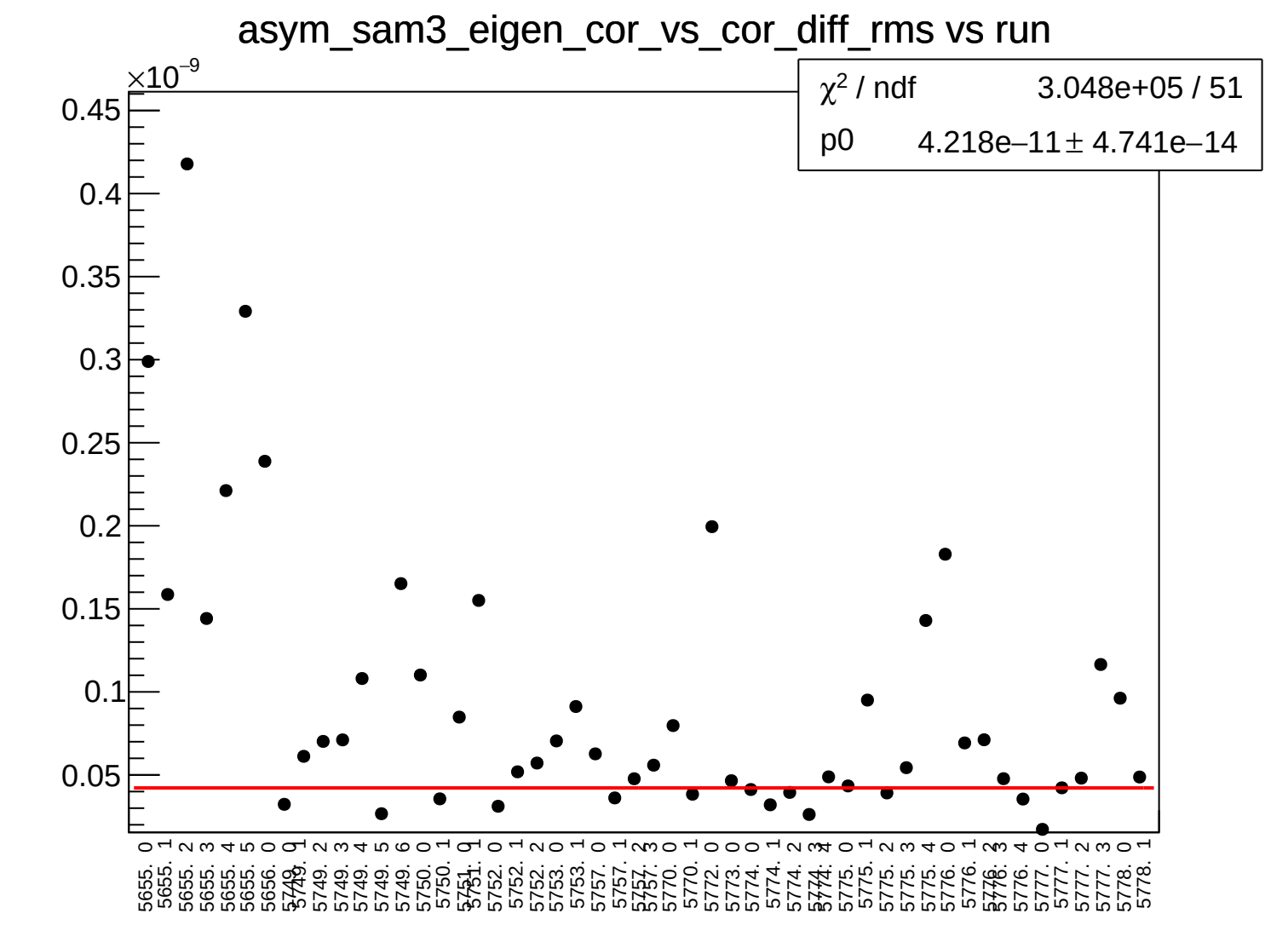
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam3_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.27 / 51
p0 −1.057e−13 ± 6.705e−14
pull
Entries 52
Mean 170.4
Std Dev 0


pull1D
Entries 52
Mean 0.02689
Std Dev 0.9631


asym_sam3_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.048e+05 / 51
p0 4.218e−11 ± 4.741e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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5752. 0
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5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
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5775. 1
5775. 2
5775. 3
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5776. 0
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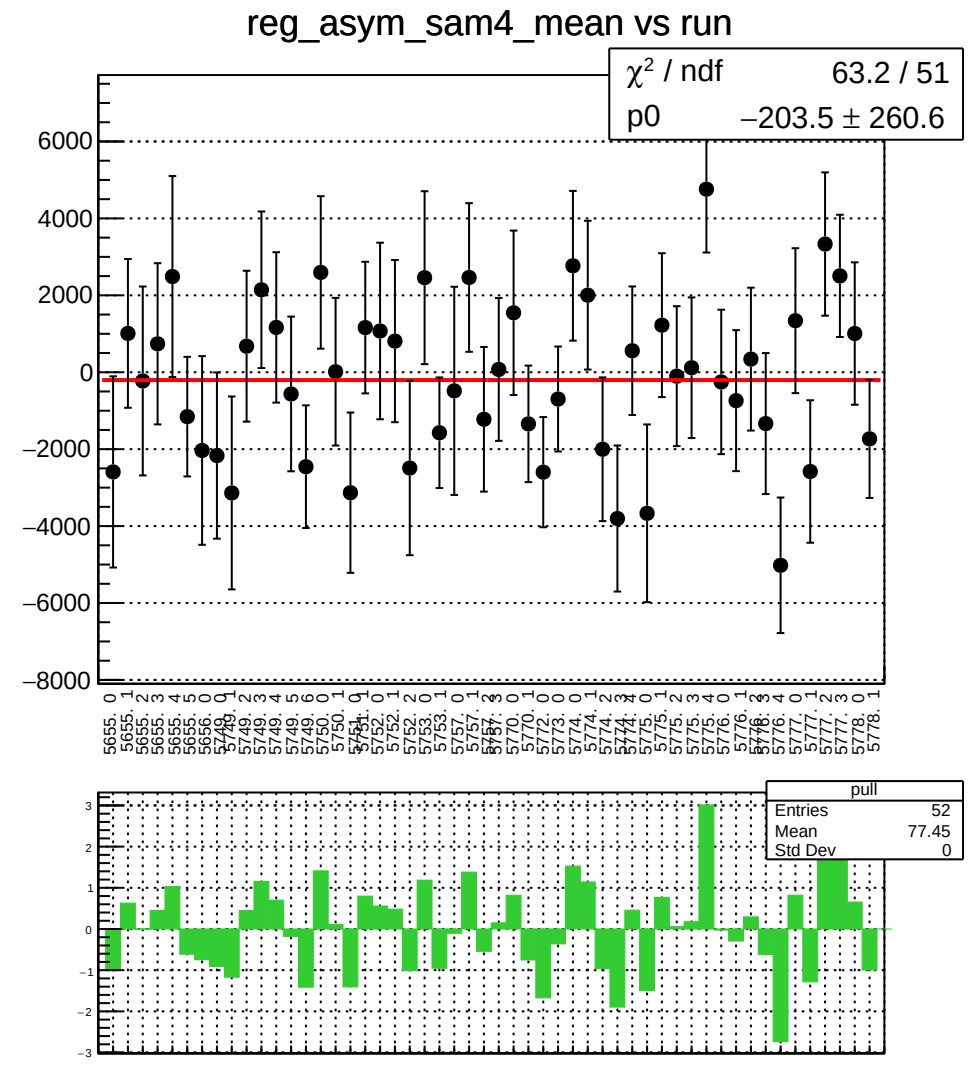
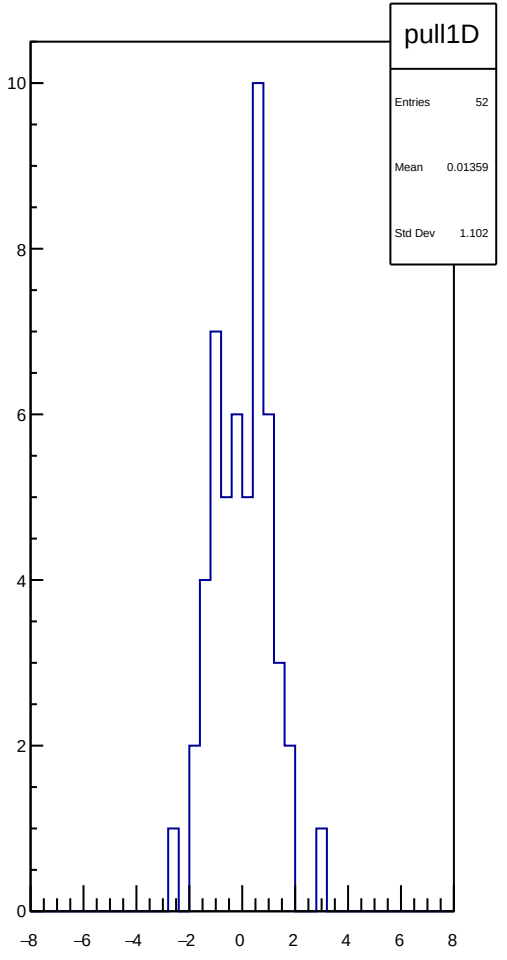
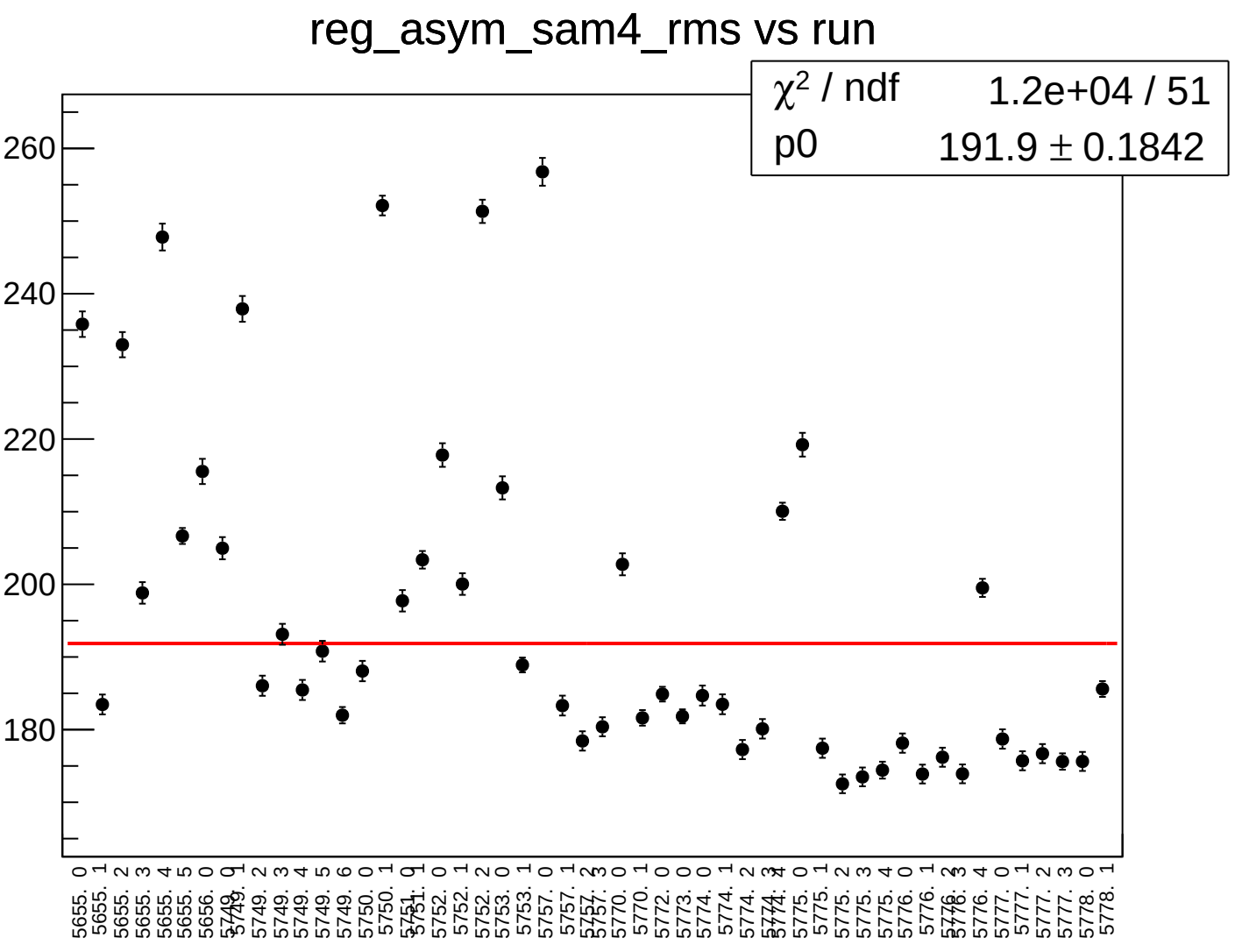
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


reg_asym_sam4_mean vs run
χ² / ndf 63.2 / 51
p0 −203.5 ± 260.6
pull
Entries 52
Mean 77.45
Std Dev 0


pull1D
Entries 52
Mean 0.01359
Std Dev 1.102


reg_asym_sam4_rms vs run
χ² / ndf 1.2e+04 / 51
p0 191.9 ± 0.1842
260
240
220
200
180
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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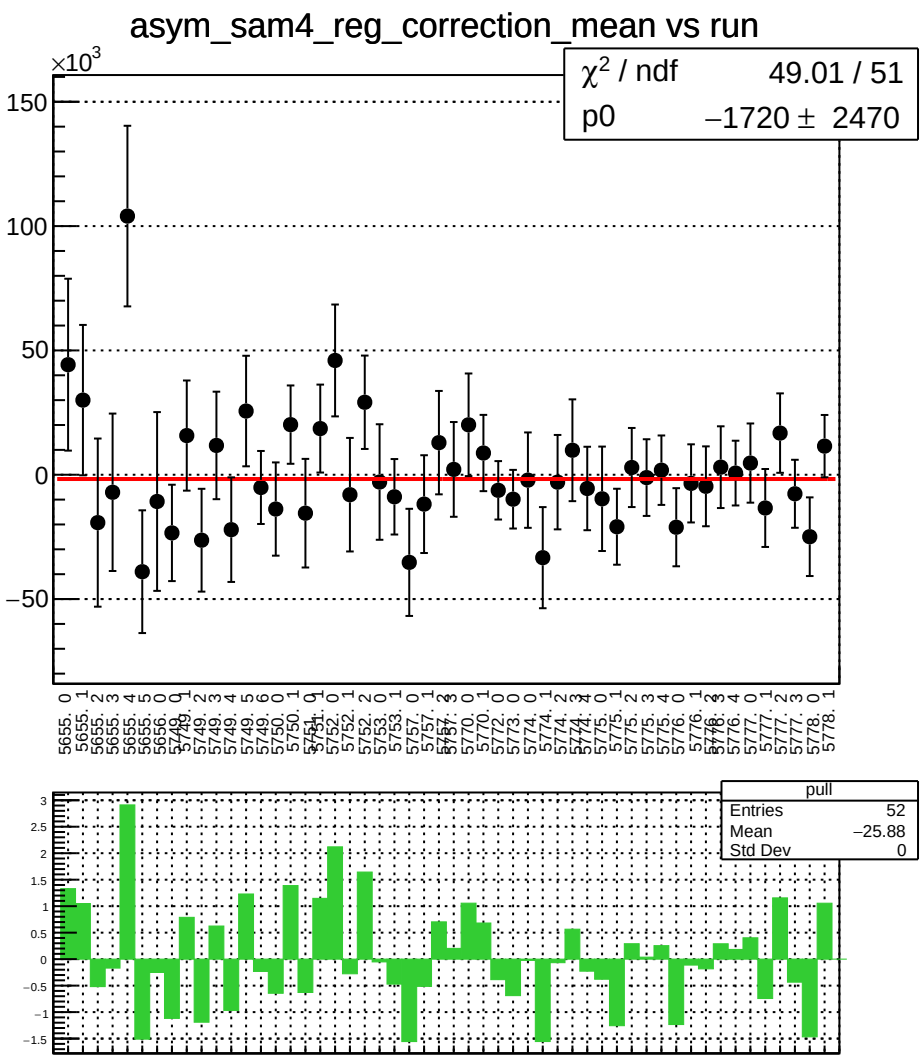
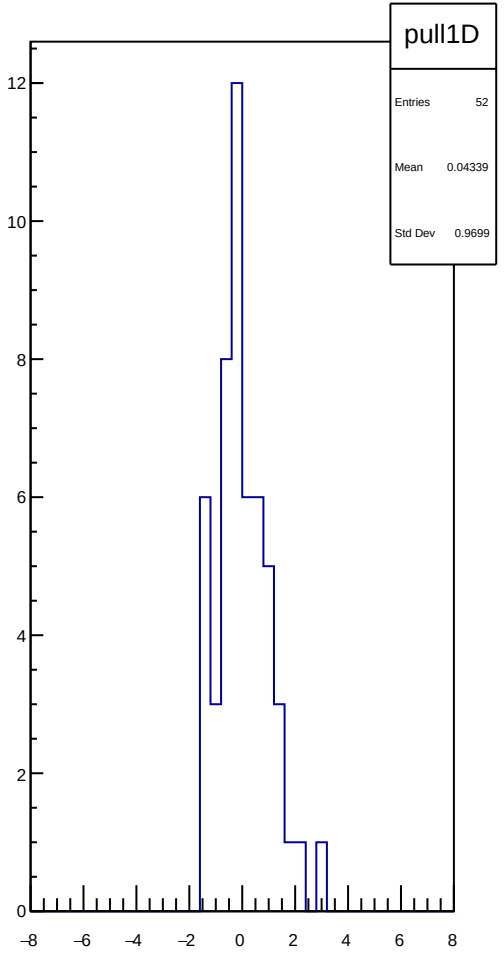
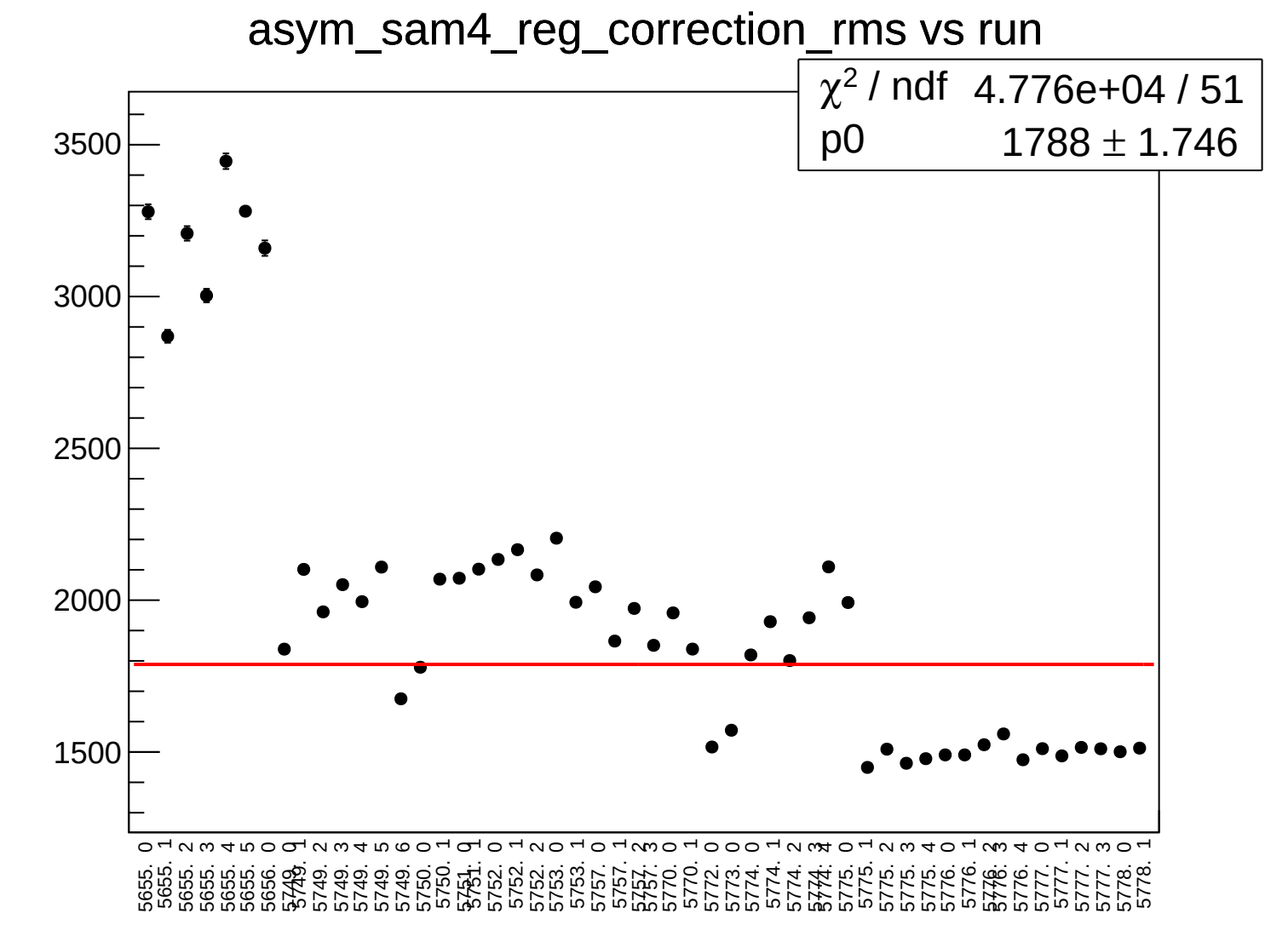
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam4_reg_correction_mean vs run
×10^3
χ² / ndf 49.01 / 51
p0 −1720 ± 2470
150
100
50
0
−50
pull
Entries 52
Mean −25.88
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 52
Mean 0.04339
Std Dev 0.9699
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam4_reg_correction_rms vs run
χ² / ndf 4.776e+04 / 51
p0 1788 ± 1.746
3500
3000
2500
2000
1500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
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5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
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5775. 4
5776. 0
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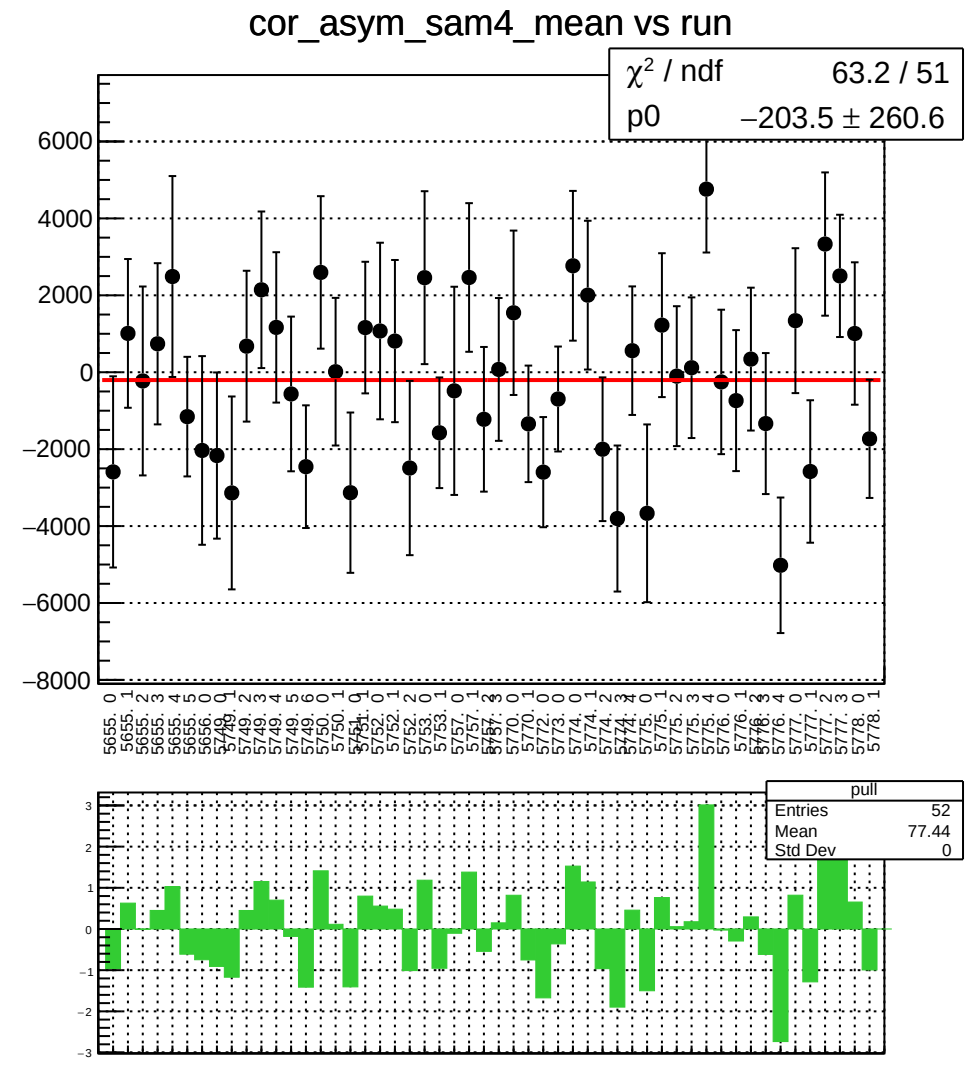
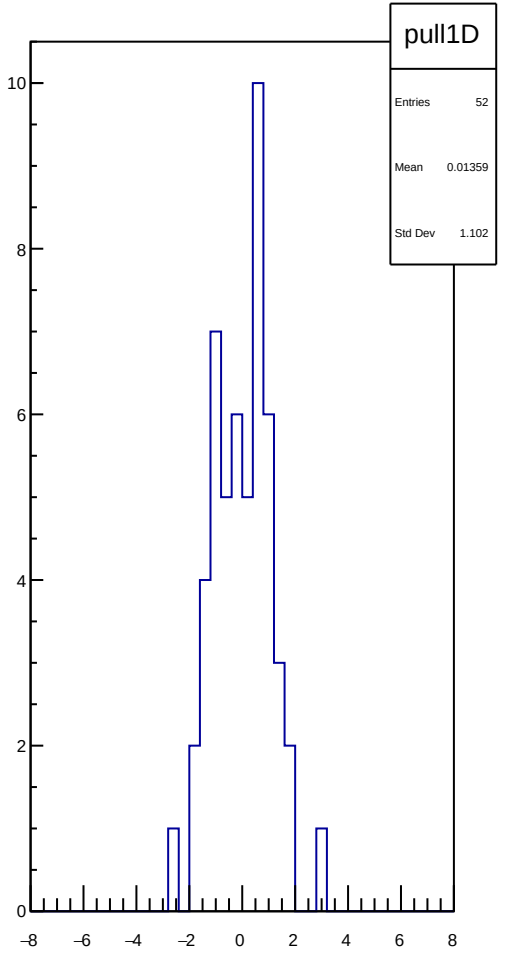
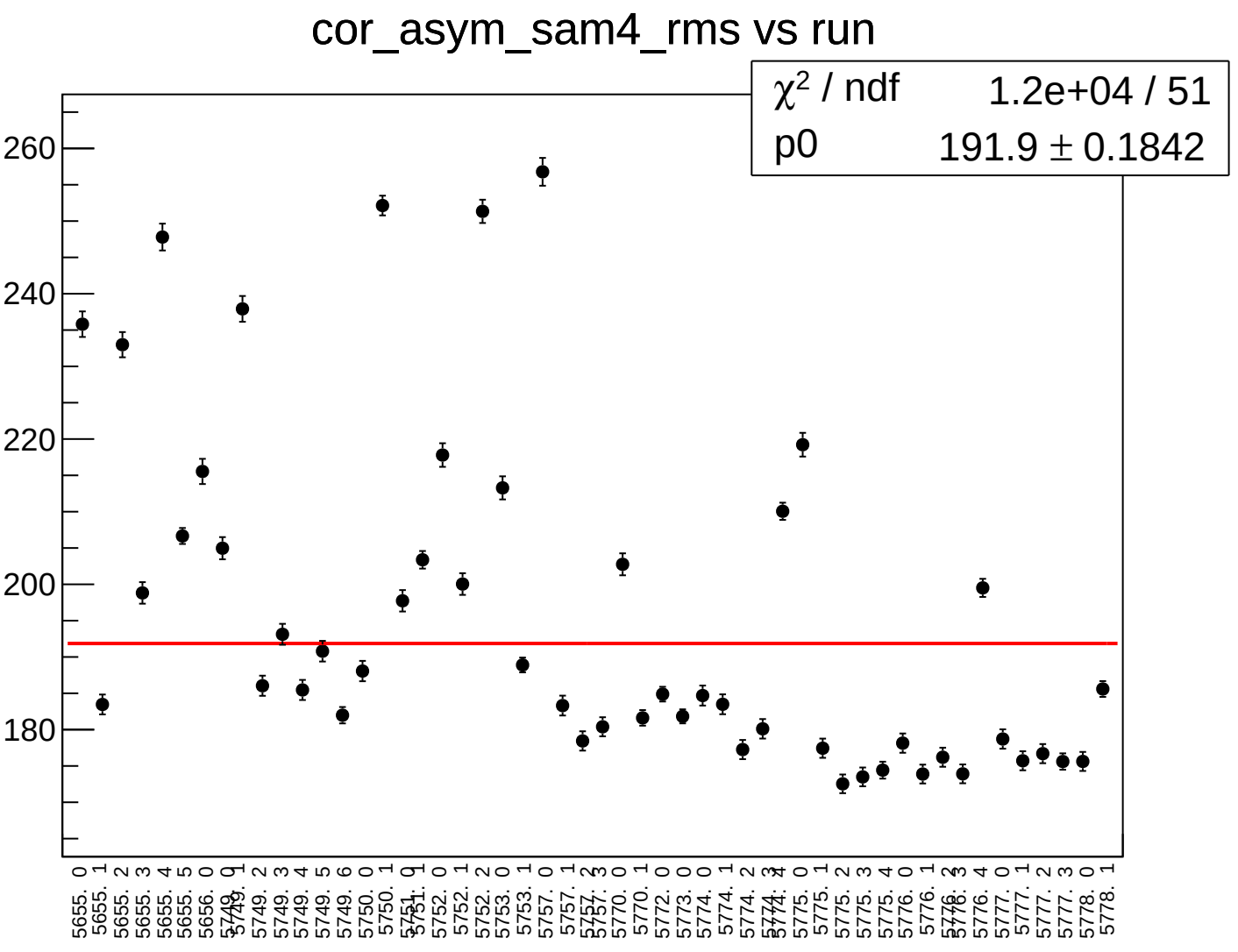
5778. 1


cor_asym_sam4_mean vs run
χ² / ndf 63.2 / 51
p0 −203.5 ± 260.6
pull
Entries 52
Mean 77.44
Std Dev 0


pull1D
Entries 52
Mean 0.01359
Std Dev 1.102


cor_asym_sam4_rms vs run
χ² / ndf 1.2e+04 / 51
p0 191.9 ± 0.1842
260
240
220
200
180
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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5770. 0
5770. 1
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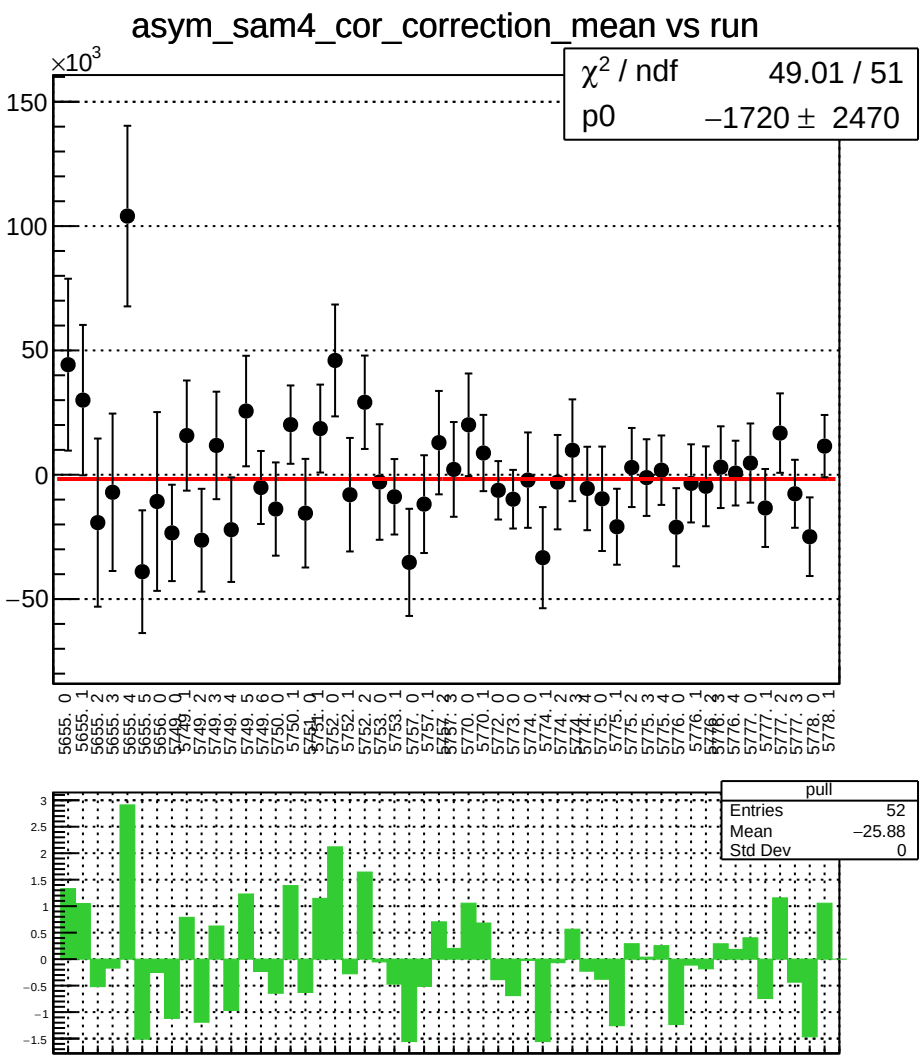
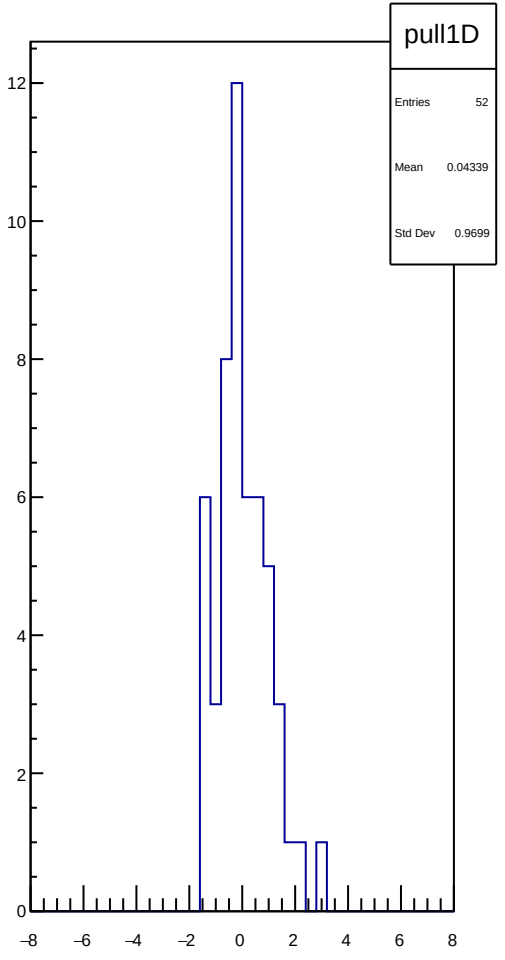
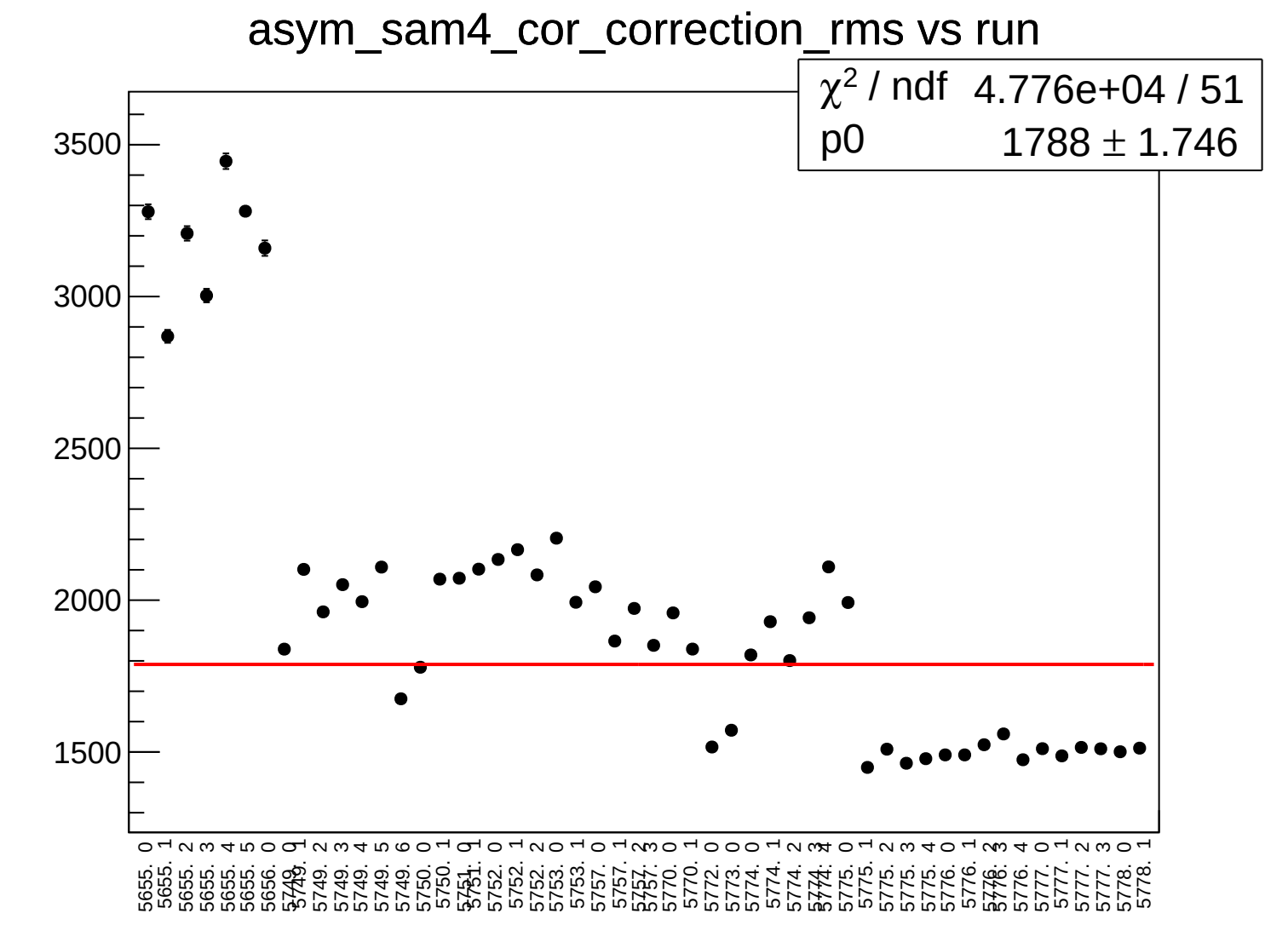
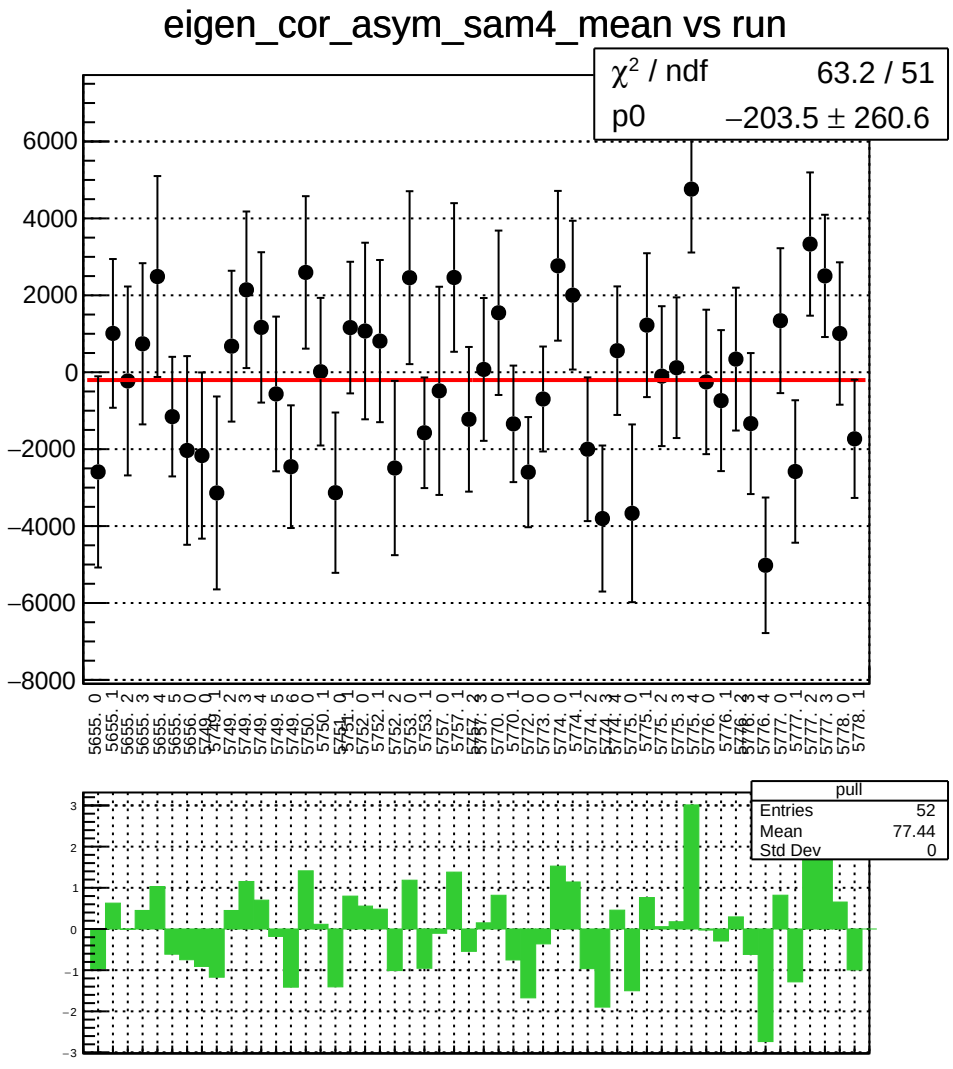
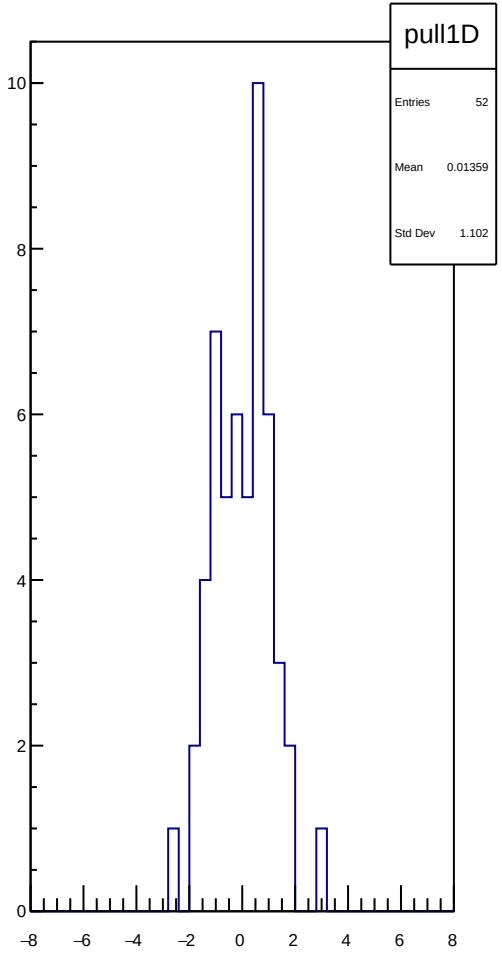
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

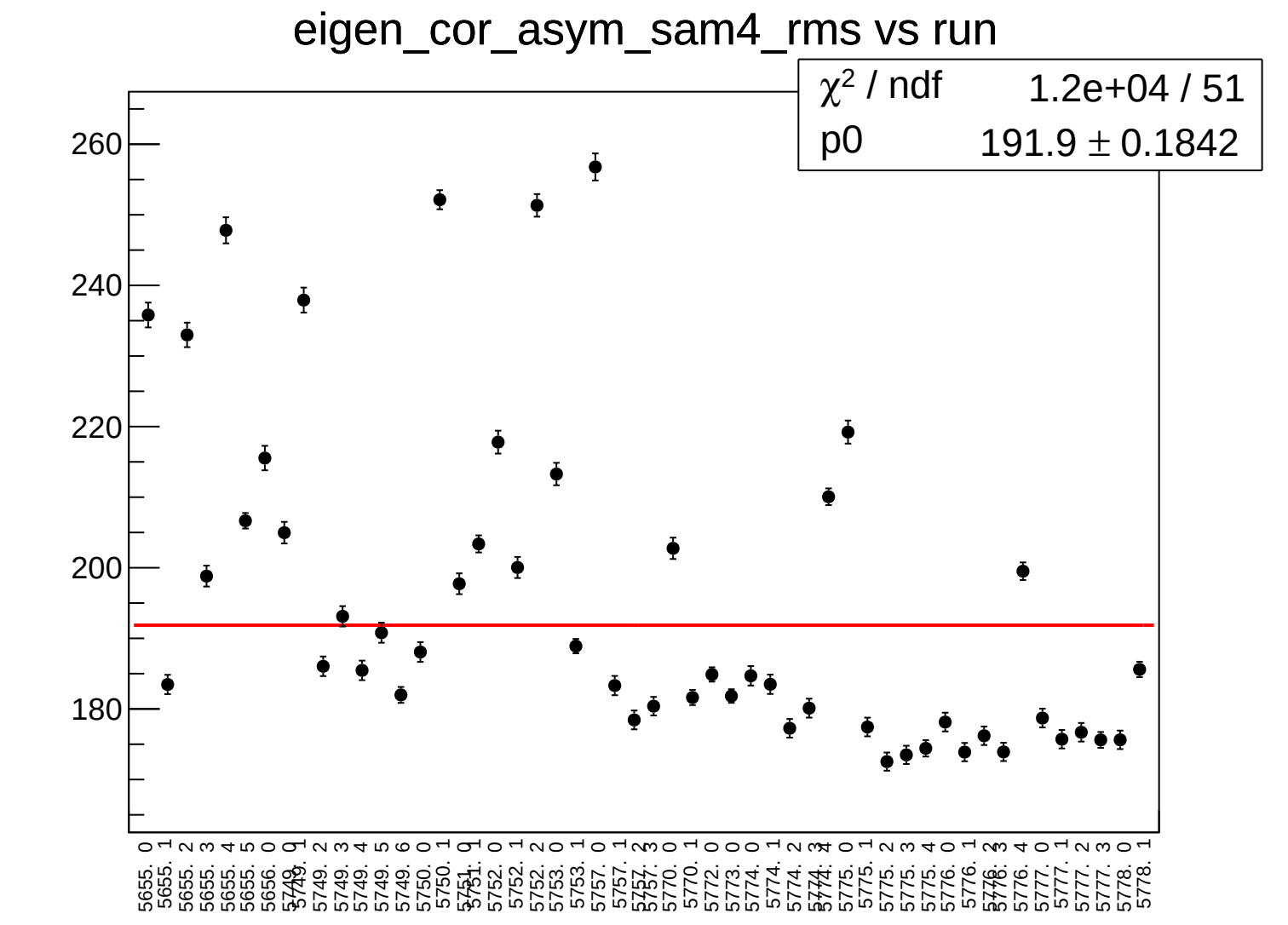

asym_sam4_cor_correction_mean vs run
×10^3
χ² / ndf 49.01 / 51
p0 −1720 ± 2470
150
100
50
0
−50
pull
Entries 52
Mean −25.88
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 52
Mean 0.04339
Std Dev 0.9699
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam4_cor_correction_rms vs run
χ² / ndf 4.776e+04 / 51
p0 1788 ± 1.746
3500
3000
2500
2000
1500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_sam4_mean vs run
χ² / ndf 63.2 / 51
p0 −203.5 ± 260.6
pull
Entries 52
Mean 77.44
Std Dev 0


pull1D
Entries 52
Mean 0.01359
Std Dev 1.102


eigen_cor_asym_sam4_rms vs run
χ² / ndf 1.2e+04 / 51
p0 191.9 ± 0.1842
260
240
220
200
180
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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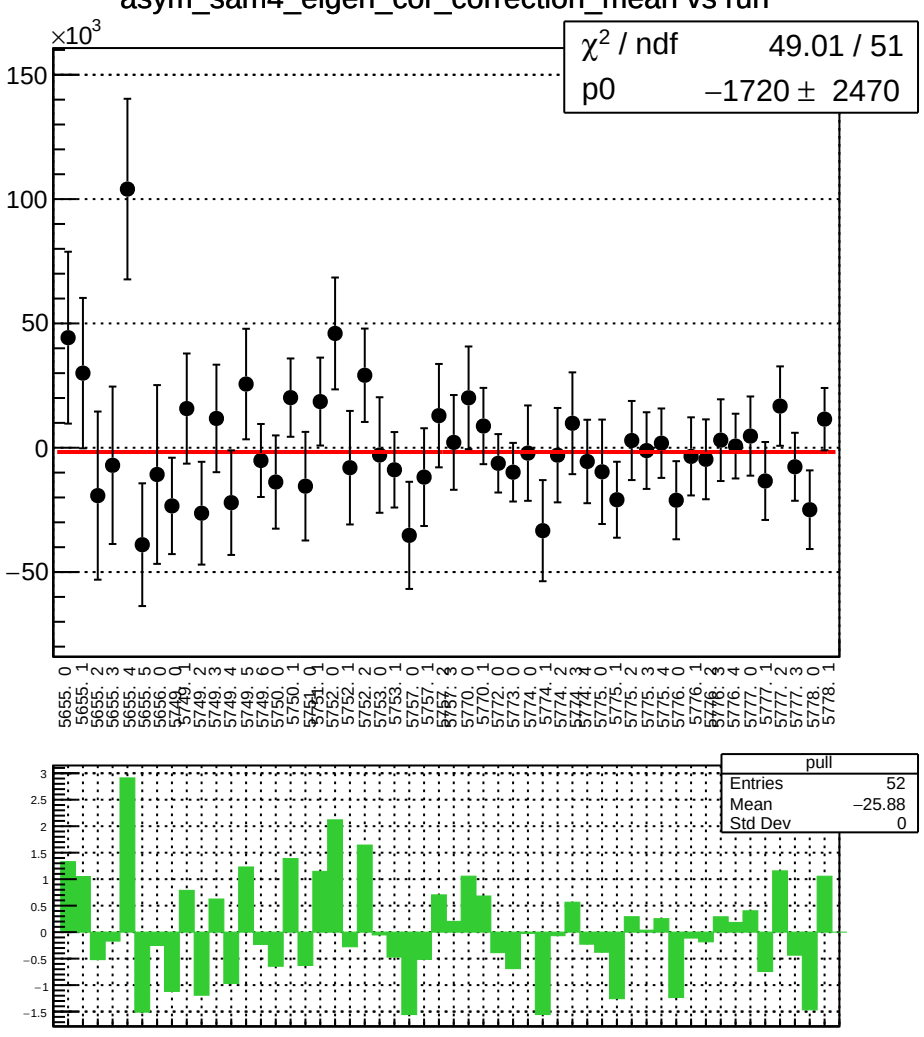
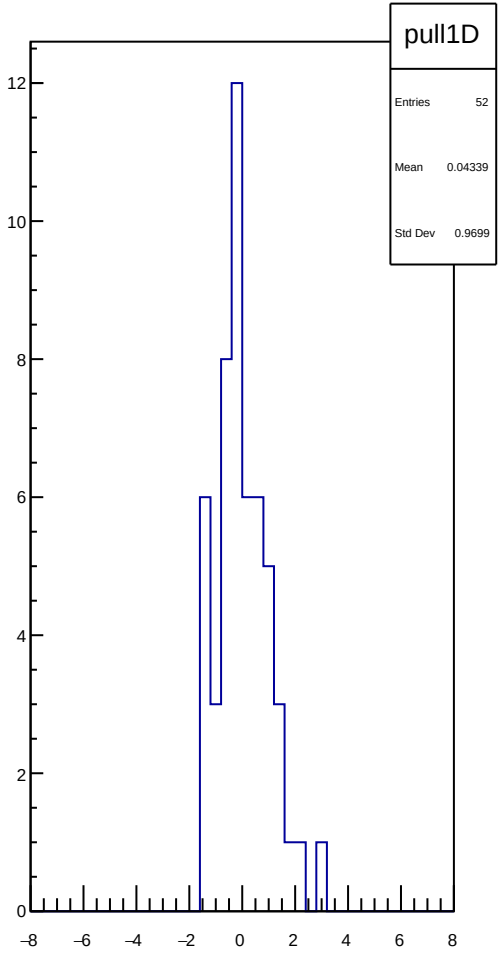
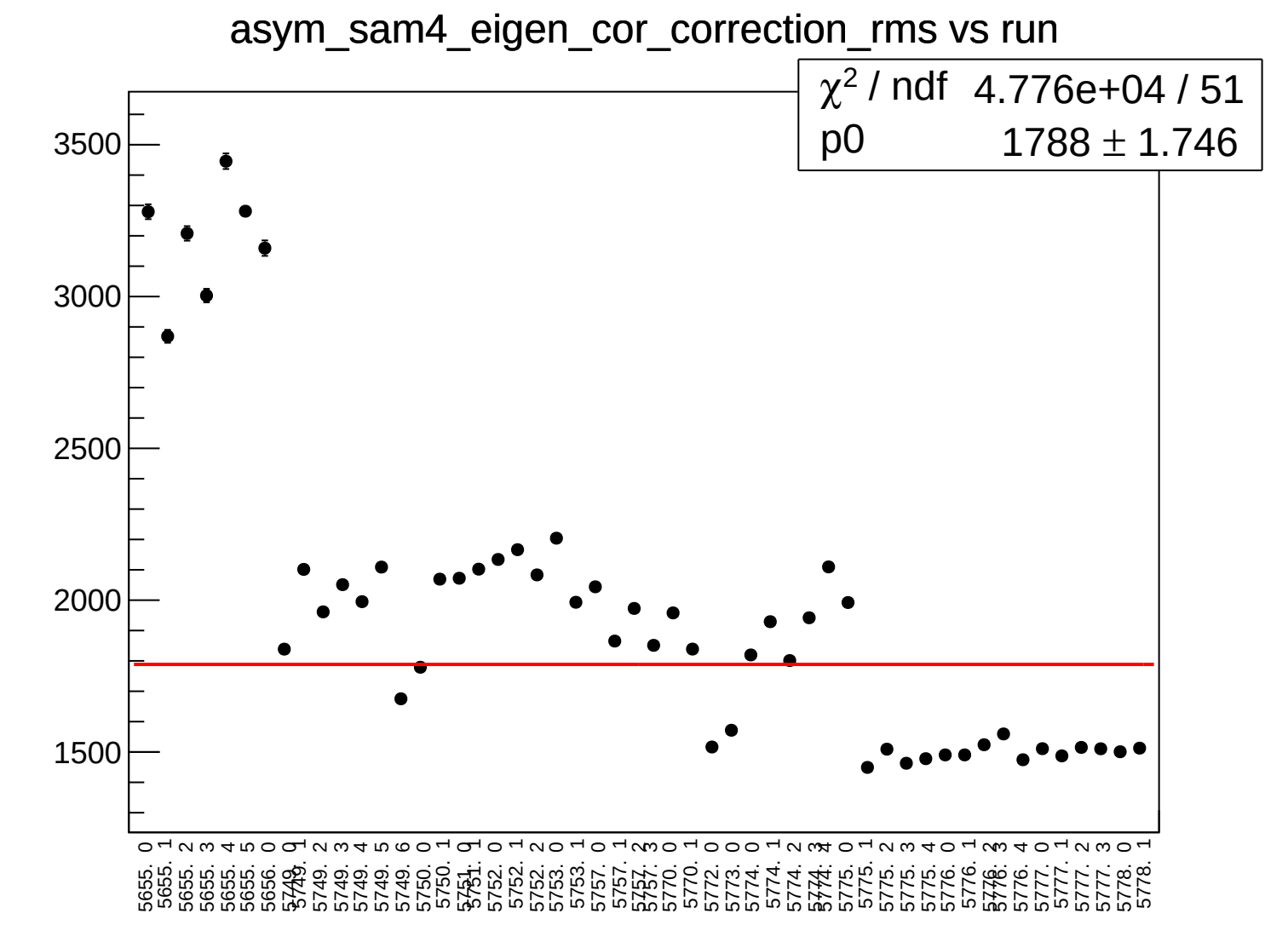
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam4_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 49.01 / 51
p0 −1720 ± 2470
150
100
50
0
−50
pull
Entries 52
Mean −25.88
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 52
Mean 0.04339
Std Dev 0.9699
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam4_eigen_cor_correction_rms vs run
χ² / ndf 4.776e+04 / 51
p0 1788 ± 1.746
3500
3000
2500
2000
1500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
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5757. 1
5757. 2
5757. 3
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5770. 1
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5773. 0
5774. 0
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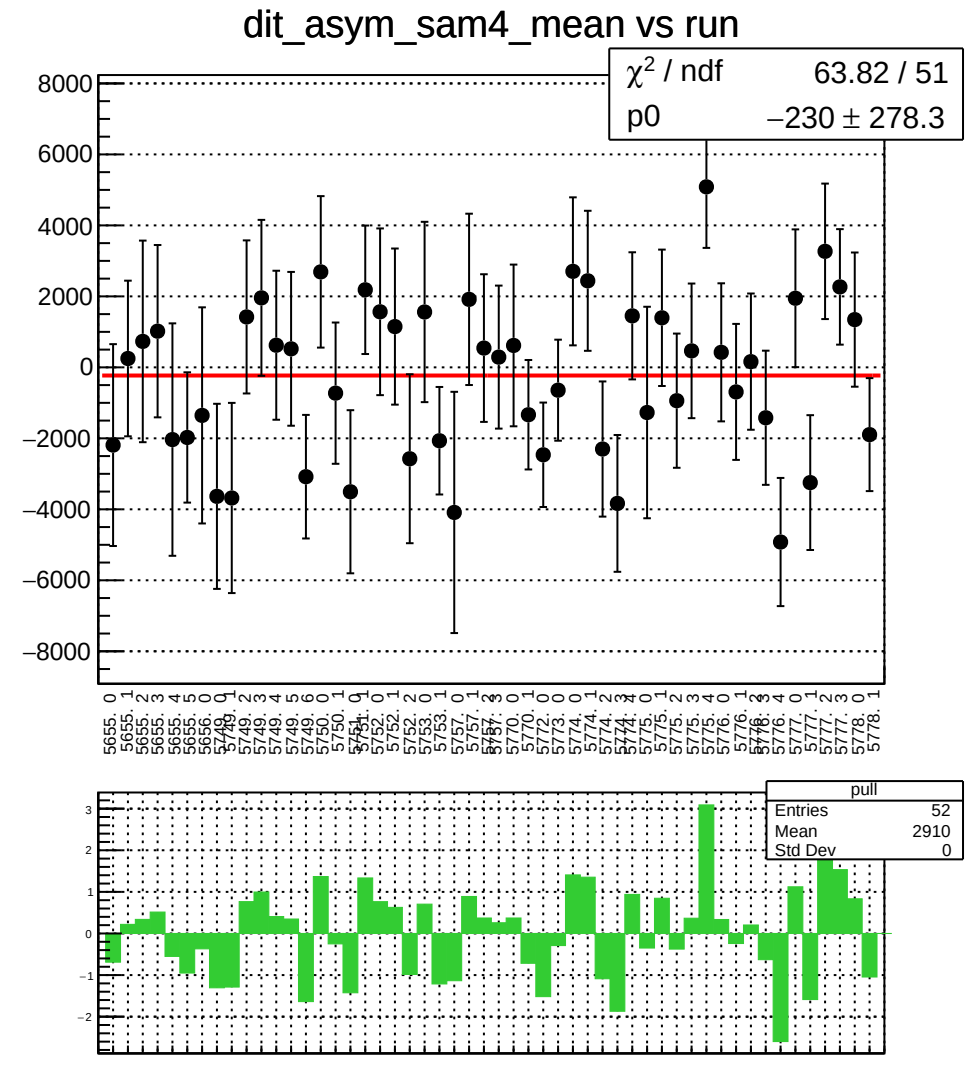
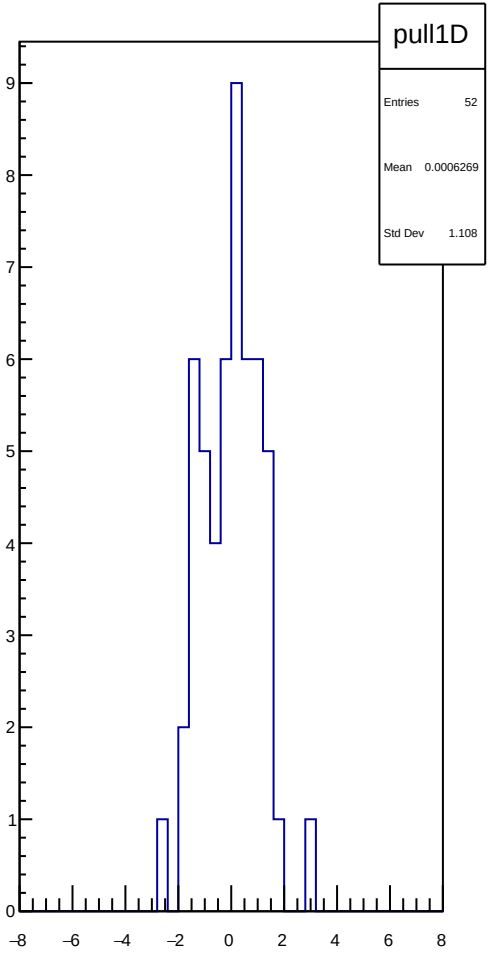
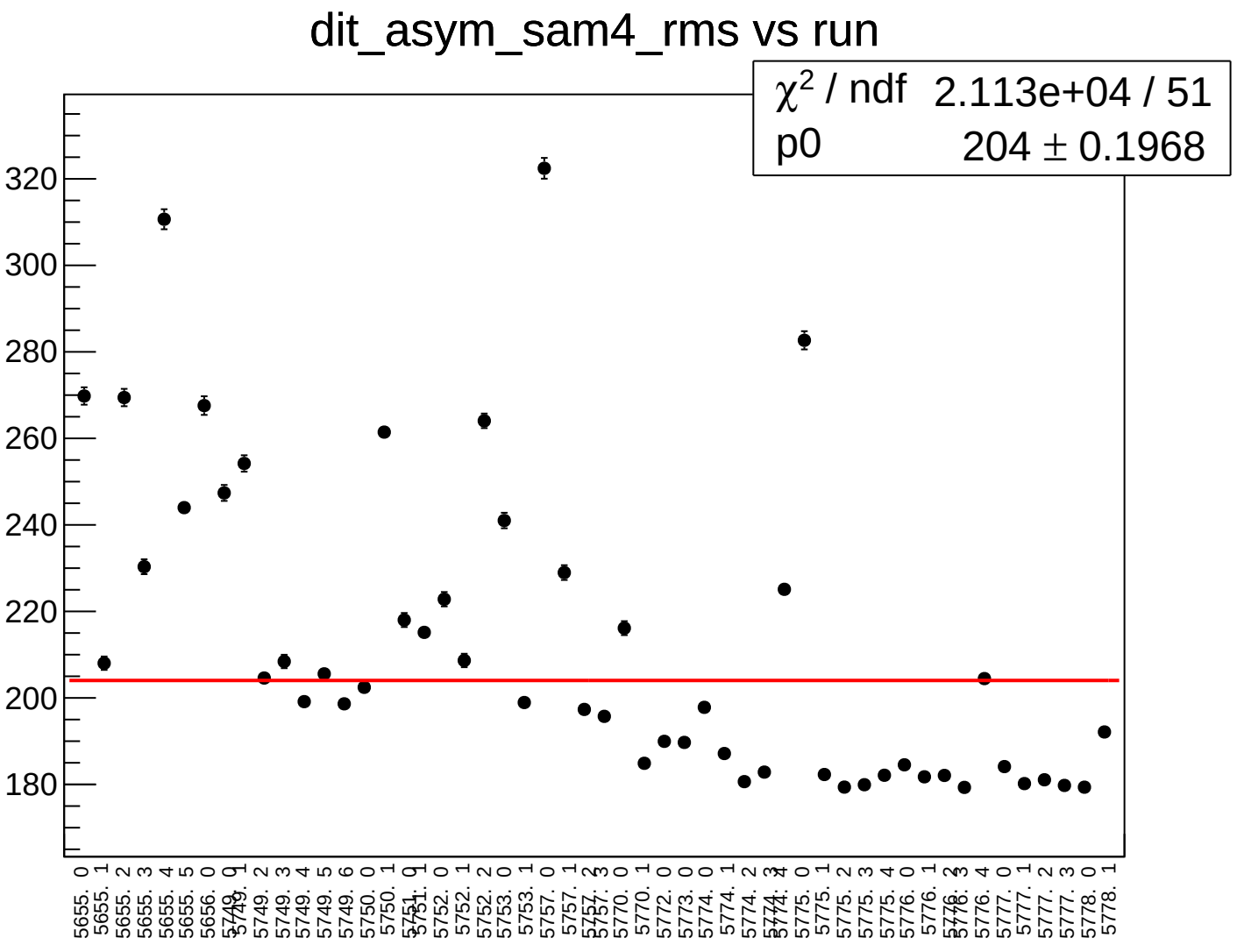
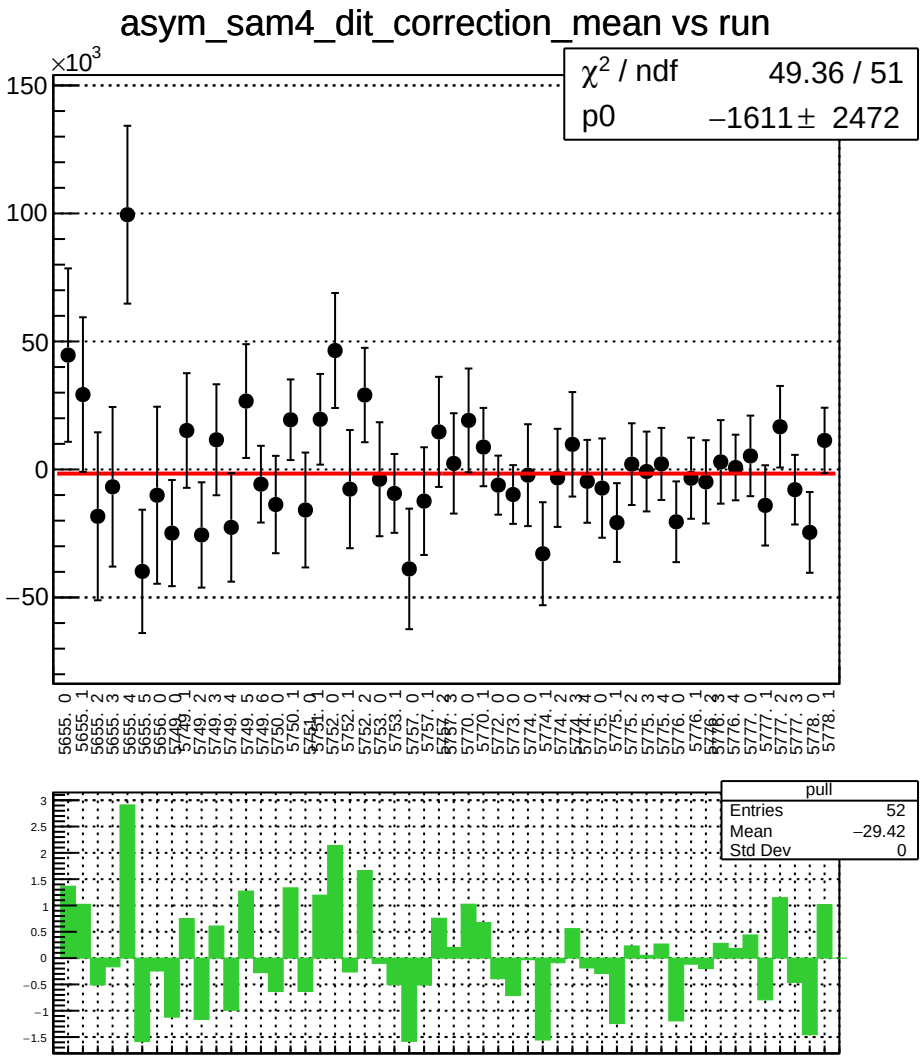
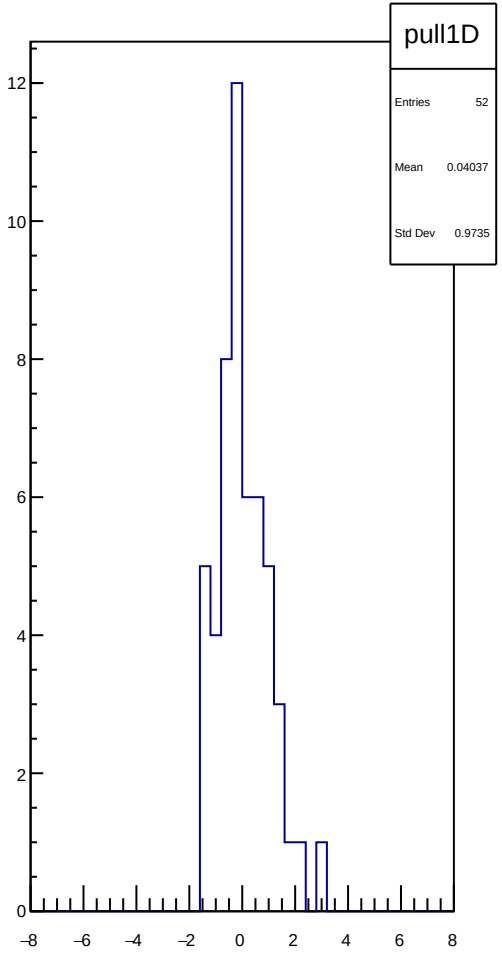
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

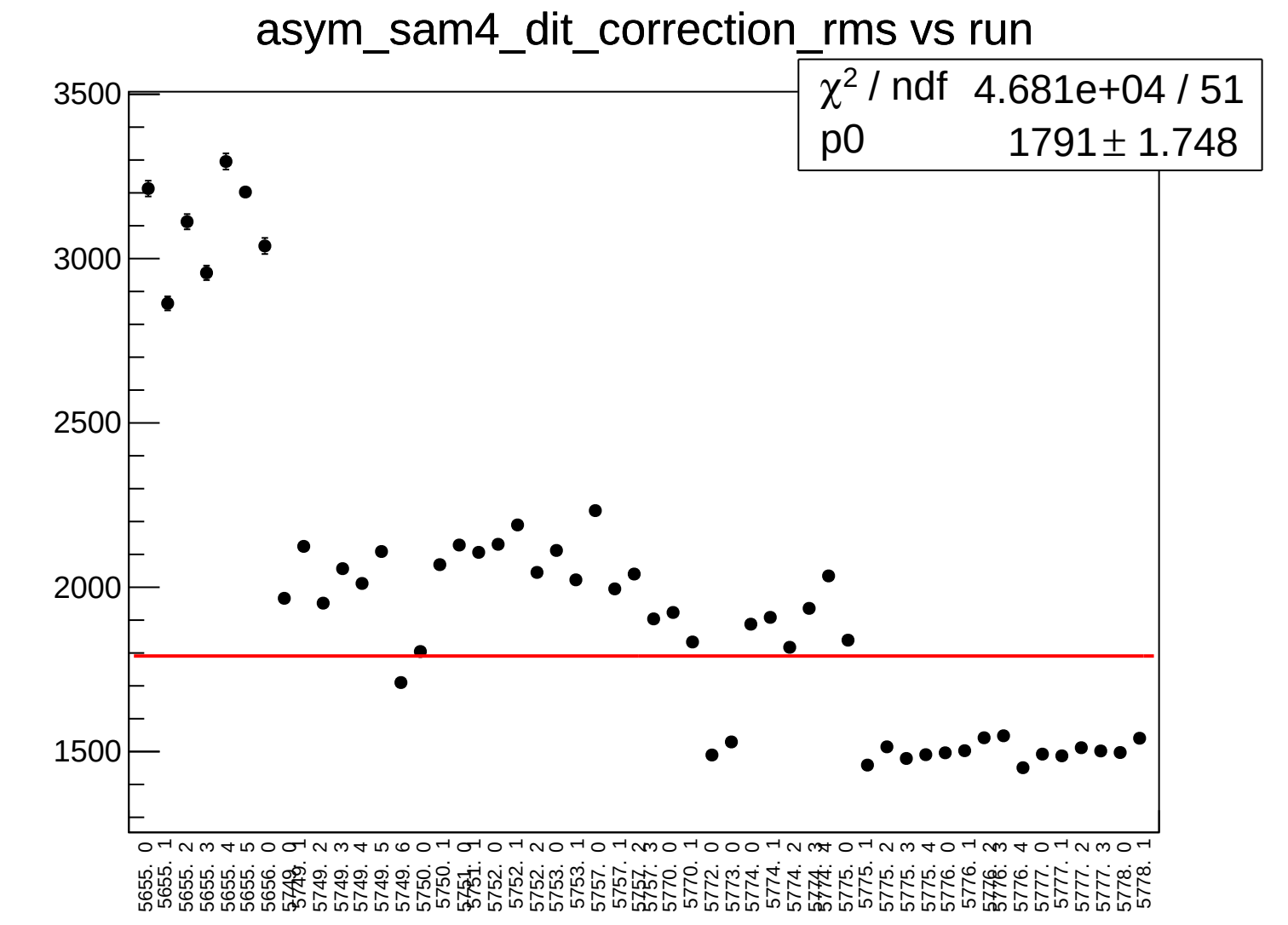

dit_asym_sam4_mean vs run
χ² / ndf 63.82 / 51
p0 −230 ± 278.3
pull
Entries 52
Mean 2910
Std Dev 0

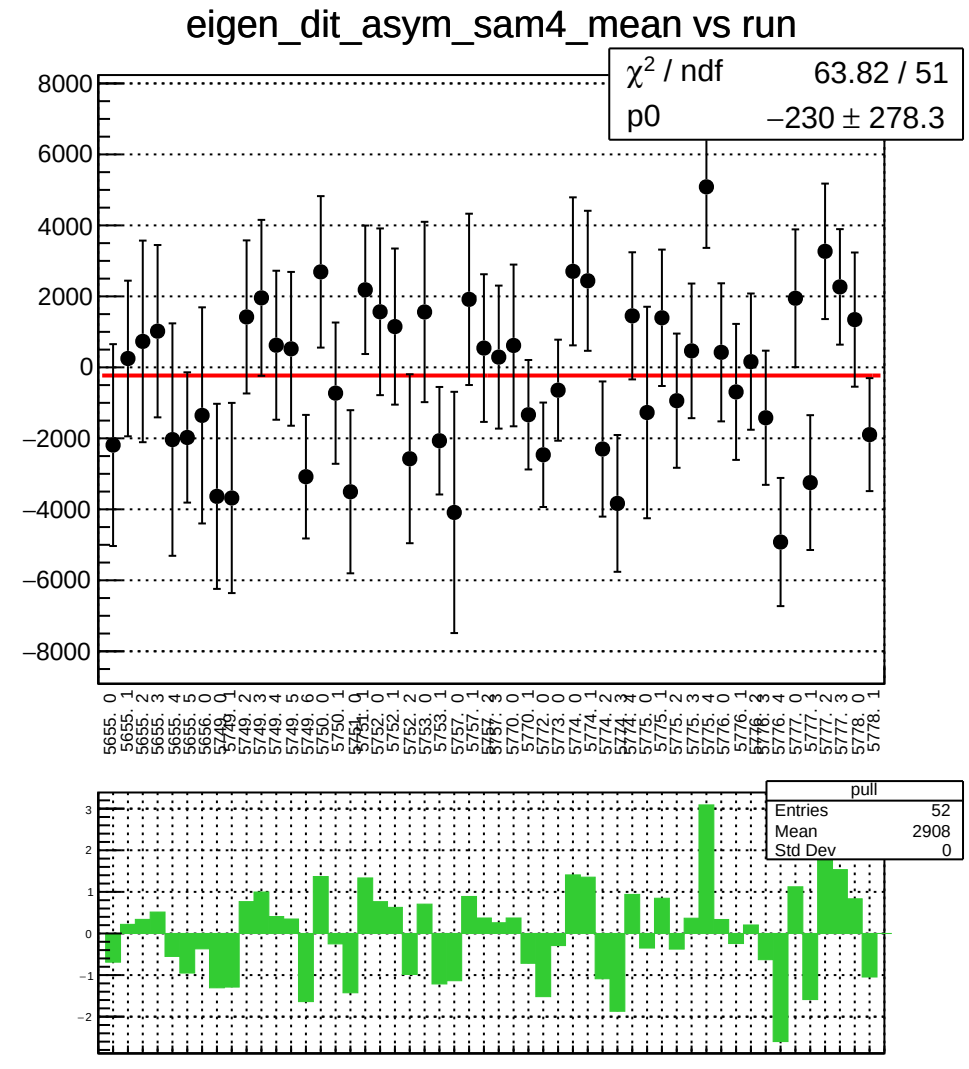

pull1D
Entries 52
Mean 0.0006269
Std Dev 1.108

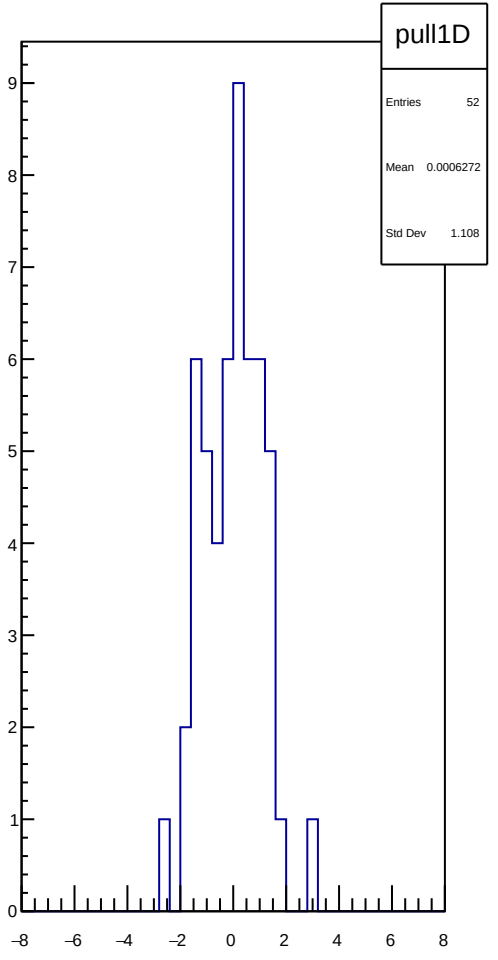

dit_asym_sam4_rms vs run
χ² / ndf 2.113e+04 / 51
p0 204 ± 0.1968
320
300
280
260
240
220
200
180
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

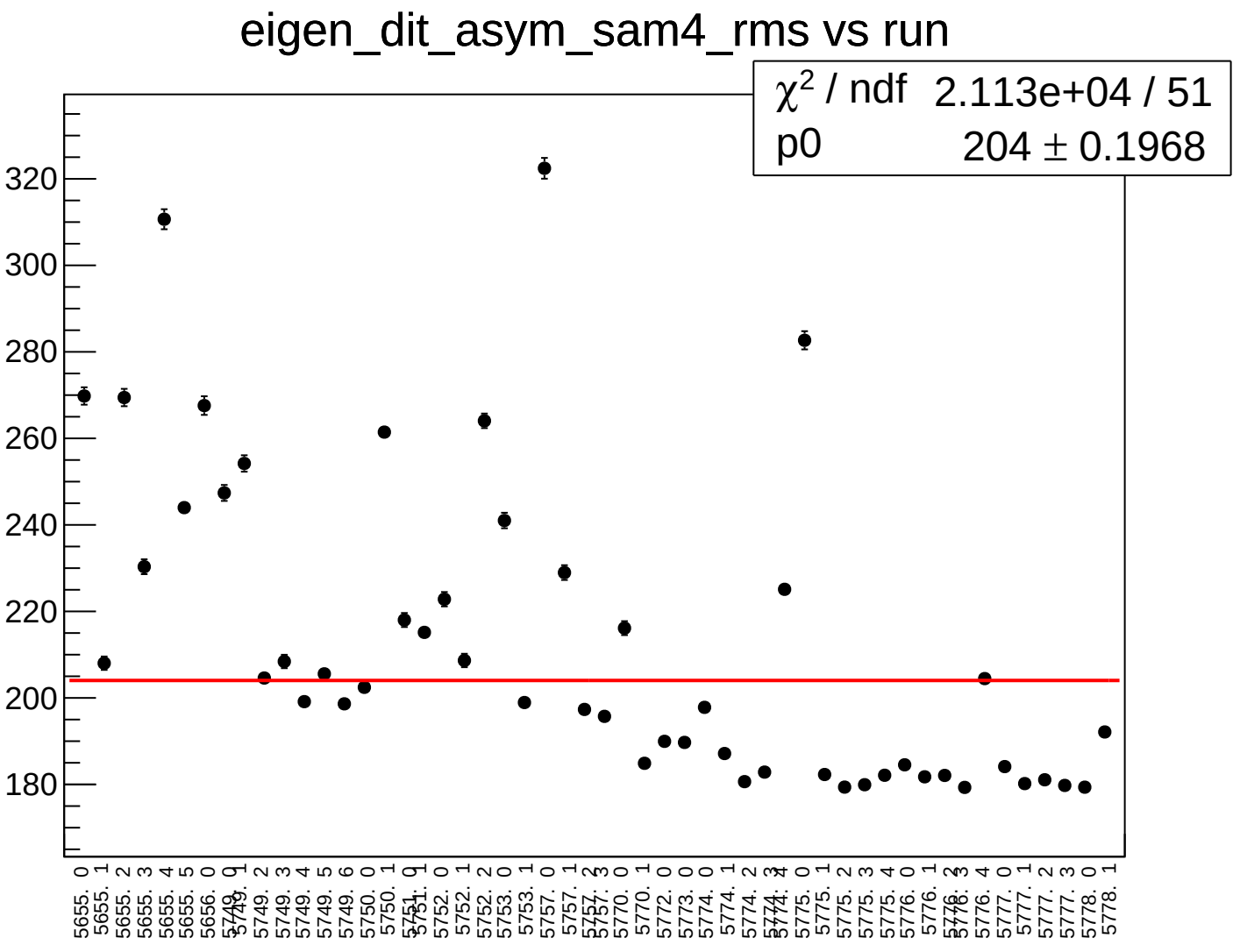

asym_sam4_dit_correction_mean vs run
×10^3
χ² / ndf 49.36 / 51
p0 −1611 ± 2472
150
100
50
0
−50
pull
Entries 52
Mean −29.42
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 52
Mean 0.04037
Std Dev 0.9735
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 4.681e+04 / 51
p0 1791 ± 1.748
3500
3000
2500
2000
1500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_dit_asym_sam4_mean vs run
χ² / ndf 63.82 / 51
p0 −230 ± 278.3
pull
Entries 52
Mean 2908
Std Dev 0


pull1D
Entries 52
Mean 0.0006272
Std Dev 1.108


eigen_dit_asym_sam4_rms vs run
χ² / ndf 2.113e+04 / 51
p0 204 ± 0.1968
320
300
280
260
240
220
200
180
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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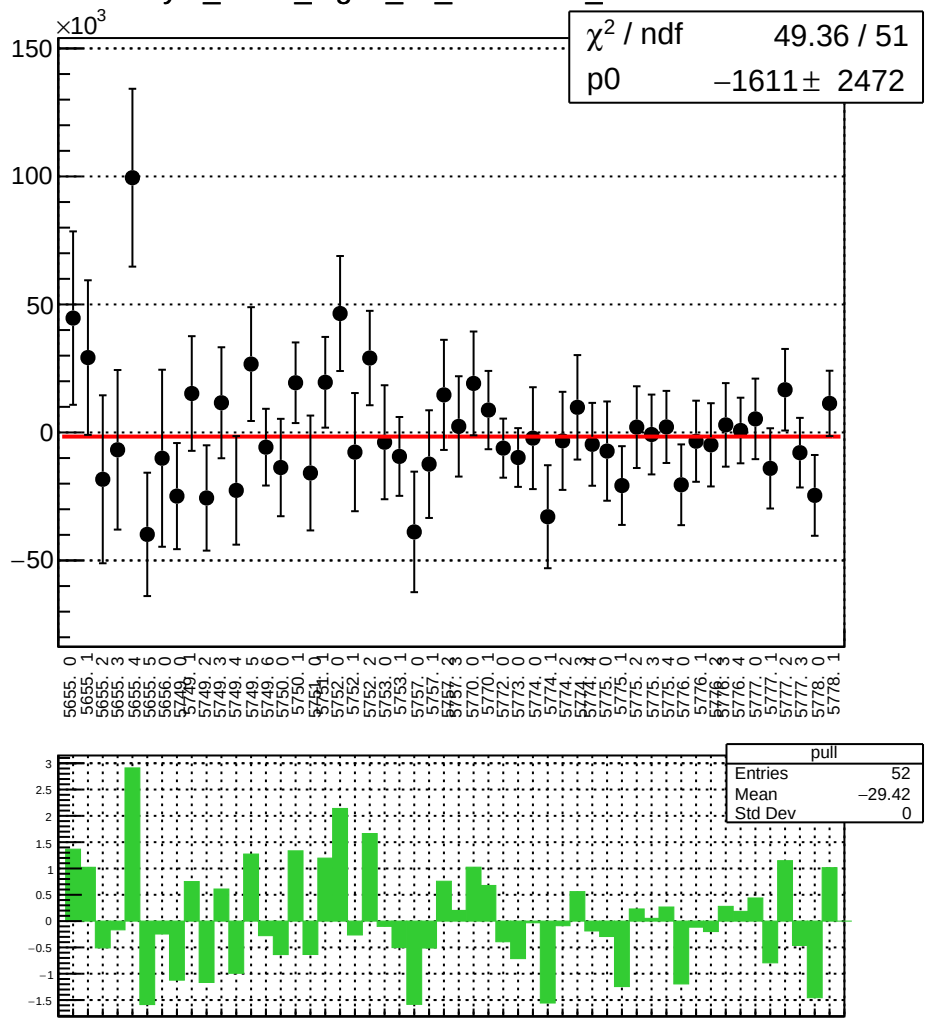
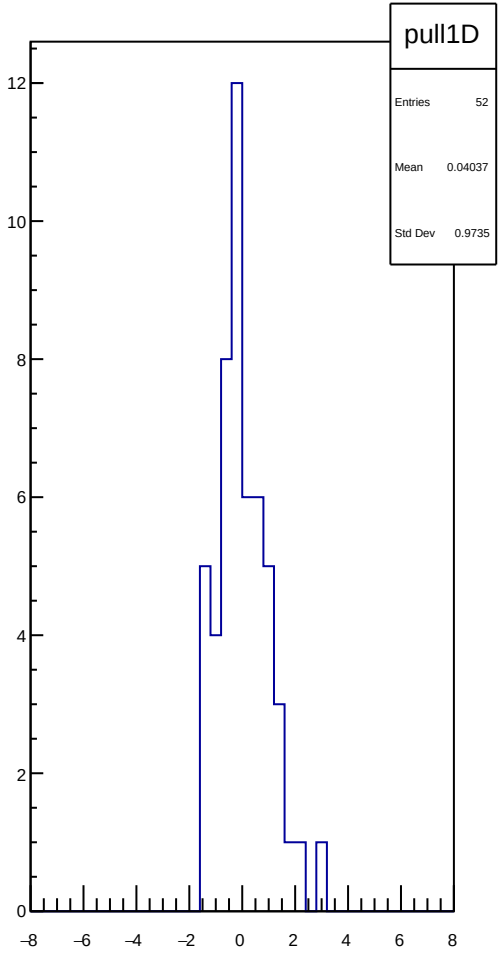
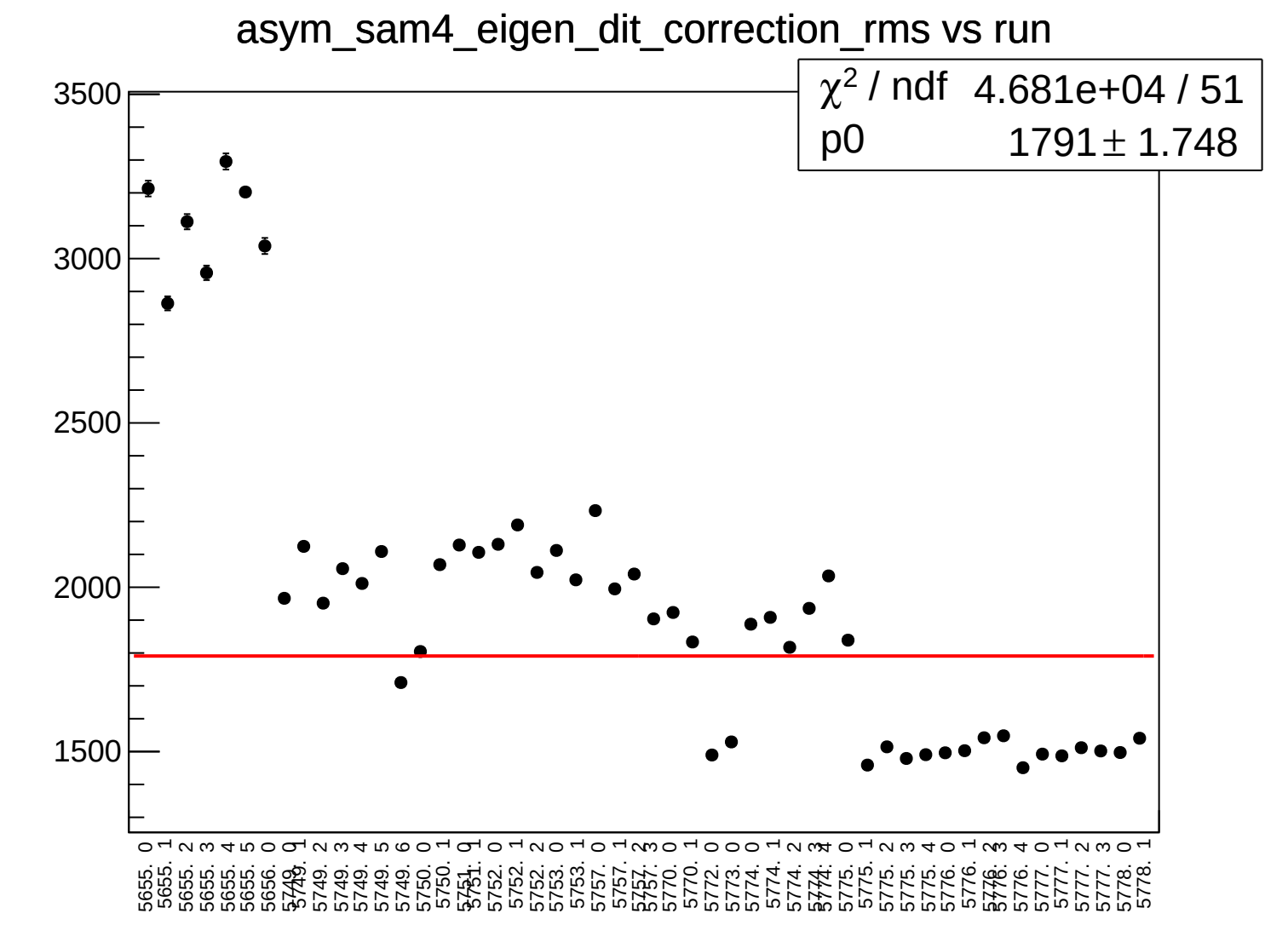
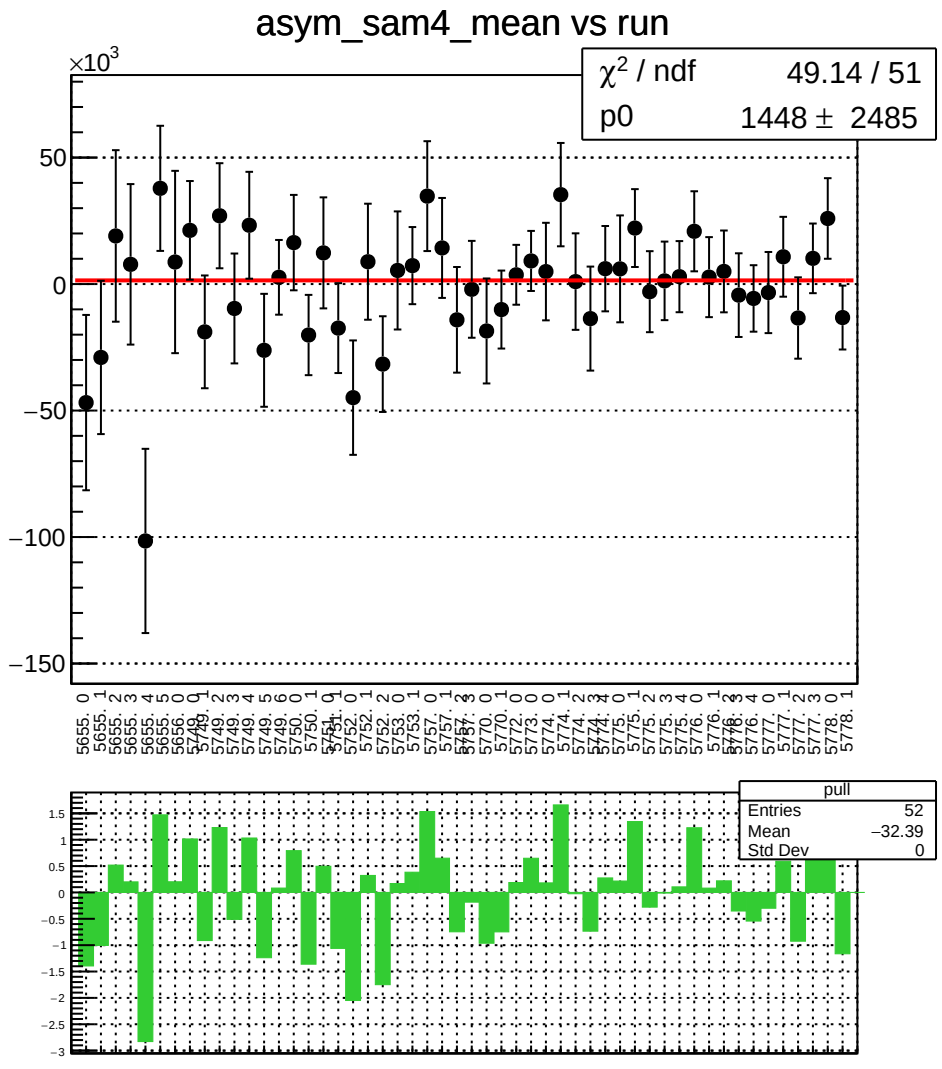
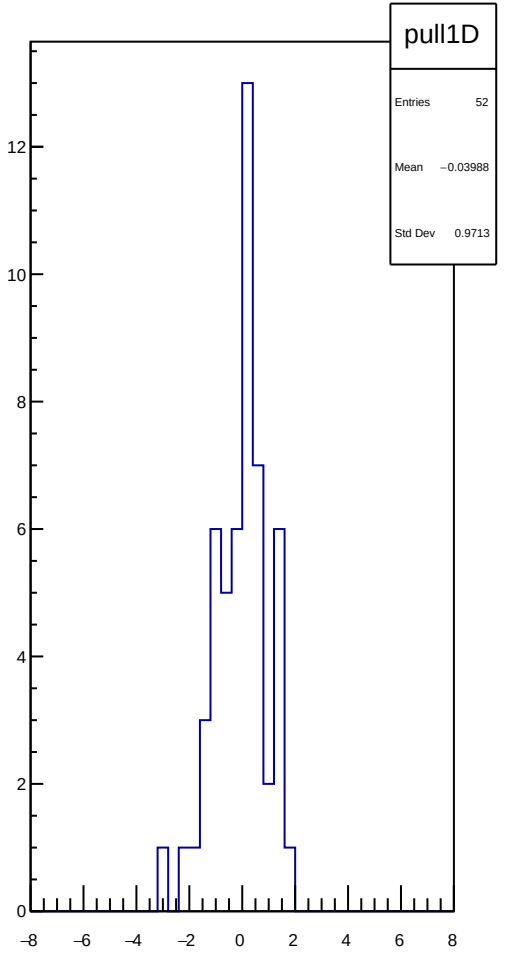
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

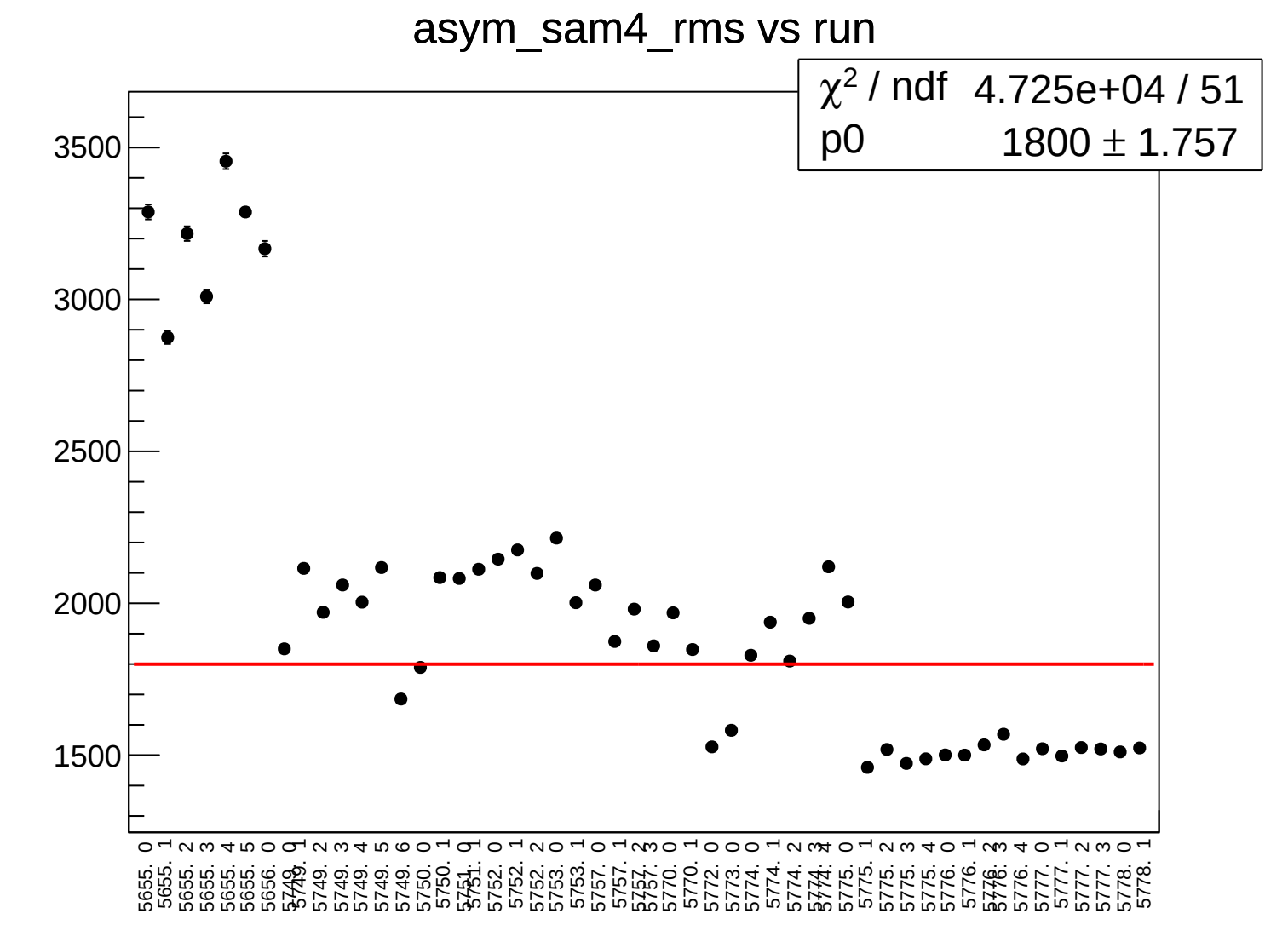

asym_sam4_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 49.36 / 51
p0 −1611 ± 2472
150
100
50
0
−50
pull
Entries 52
Mean −29.42
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 52
Mean 0.04037
Std Dev 0.9735
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 4.681e+04 / 51
p0 1791 ± 1.748
3500
3000
2500
2000
1500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam4_mean vs run
×10^3
χ^2 / ndf 49.14 / 51
p0 1448 ± 2485
50
0
−50
−100
−150
pull
Entries 52
Mean −32.39
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3


pull1D
Entries 52
Mean −0.03988
Std Dev 0.9713
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam4_rms vs run
χ² / ndf 4.725e+04 / 51
p0 1800 ± 1.757
3500
3000
2500
2000
1500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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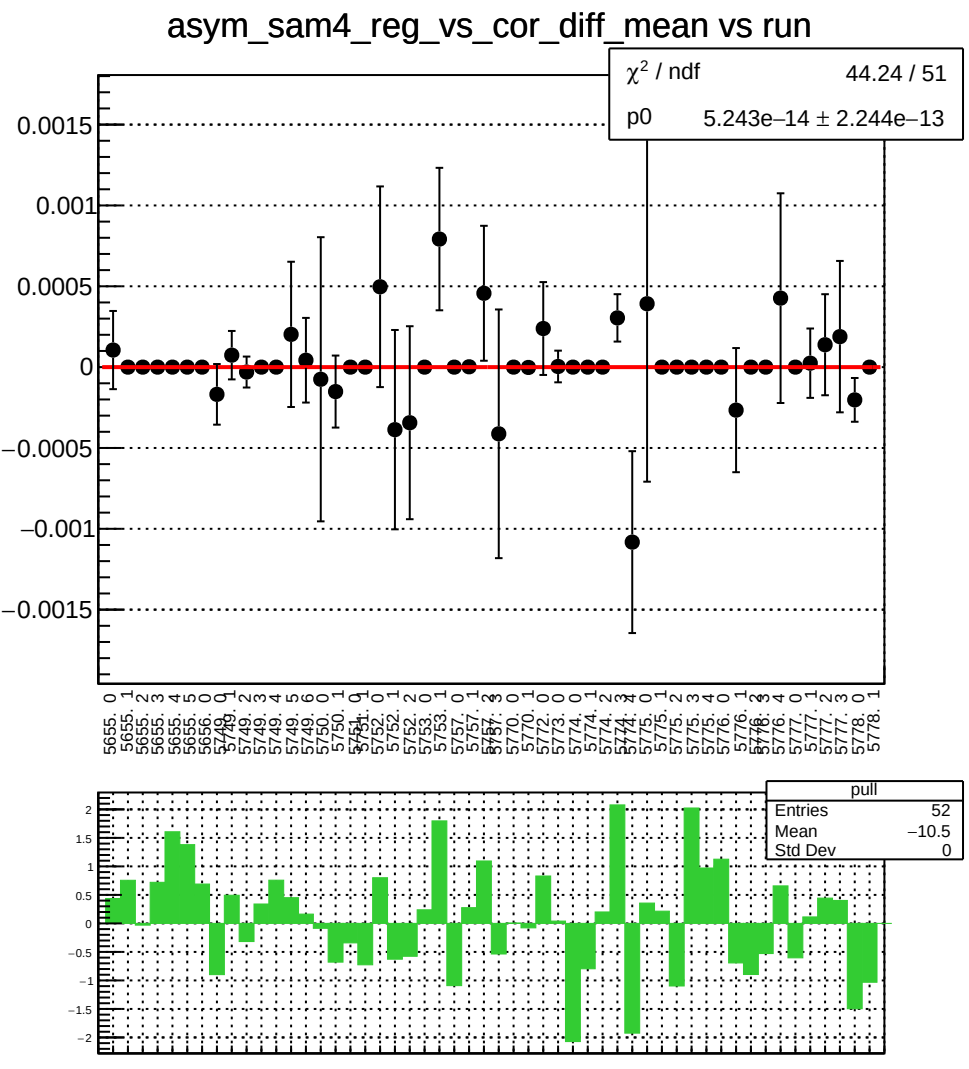
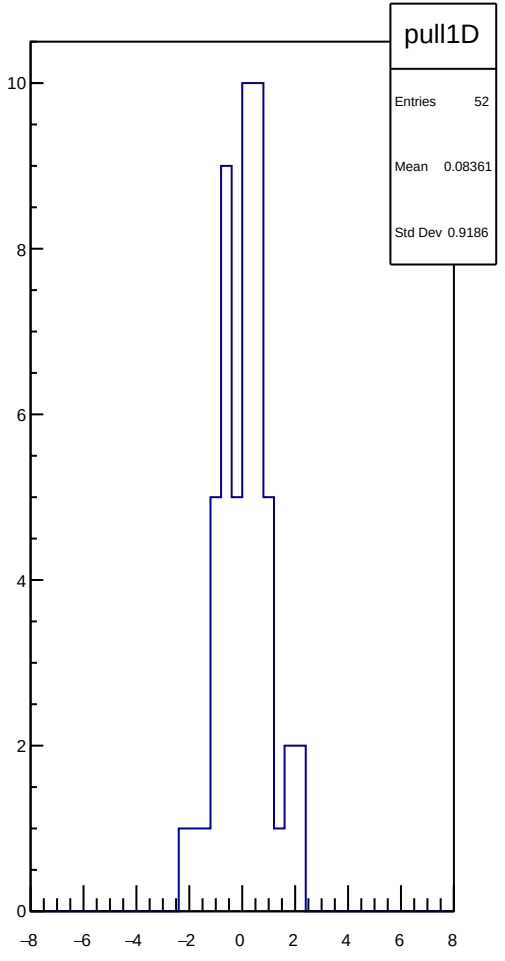
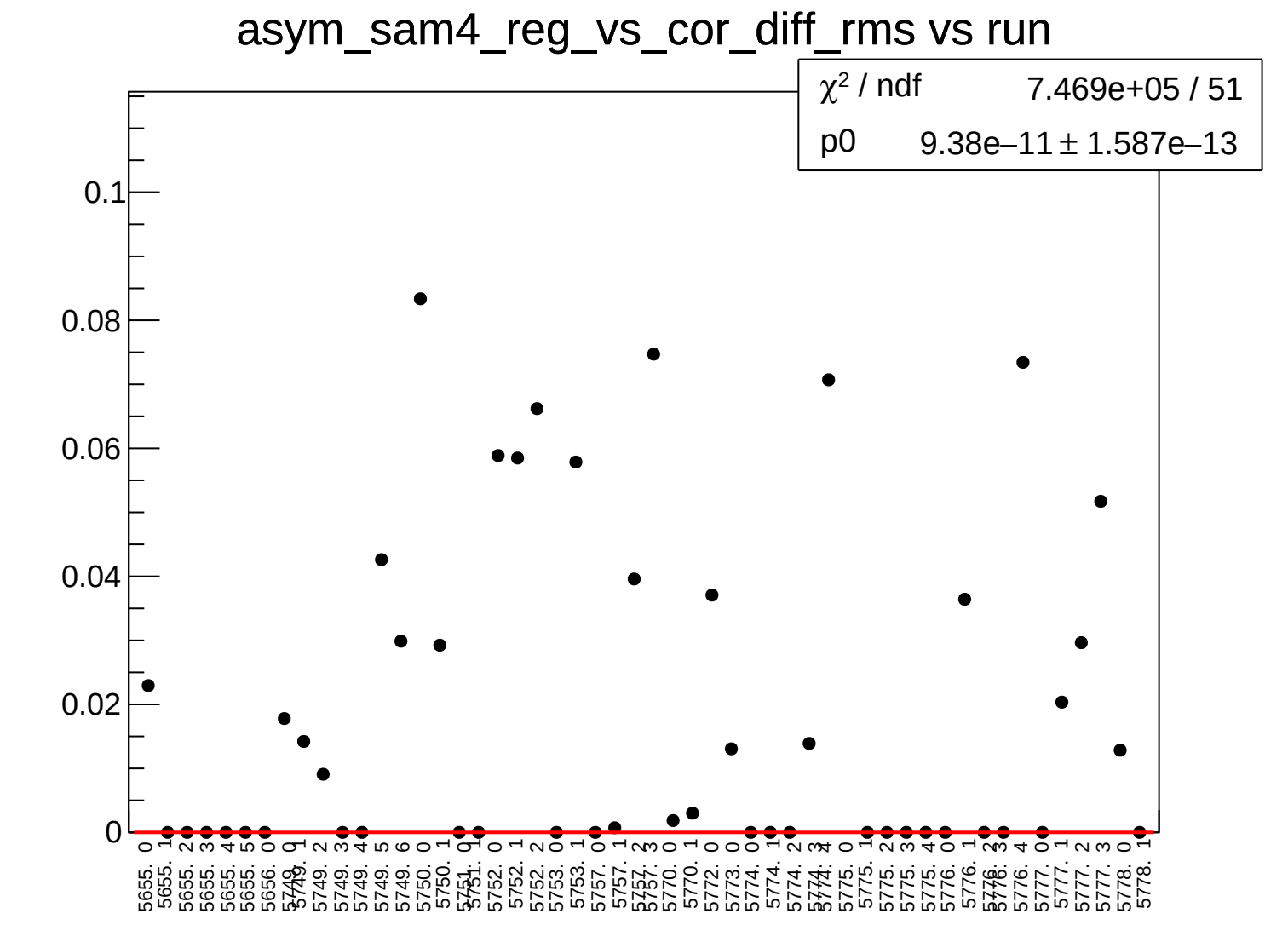
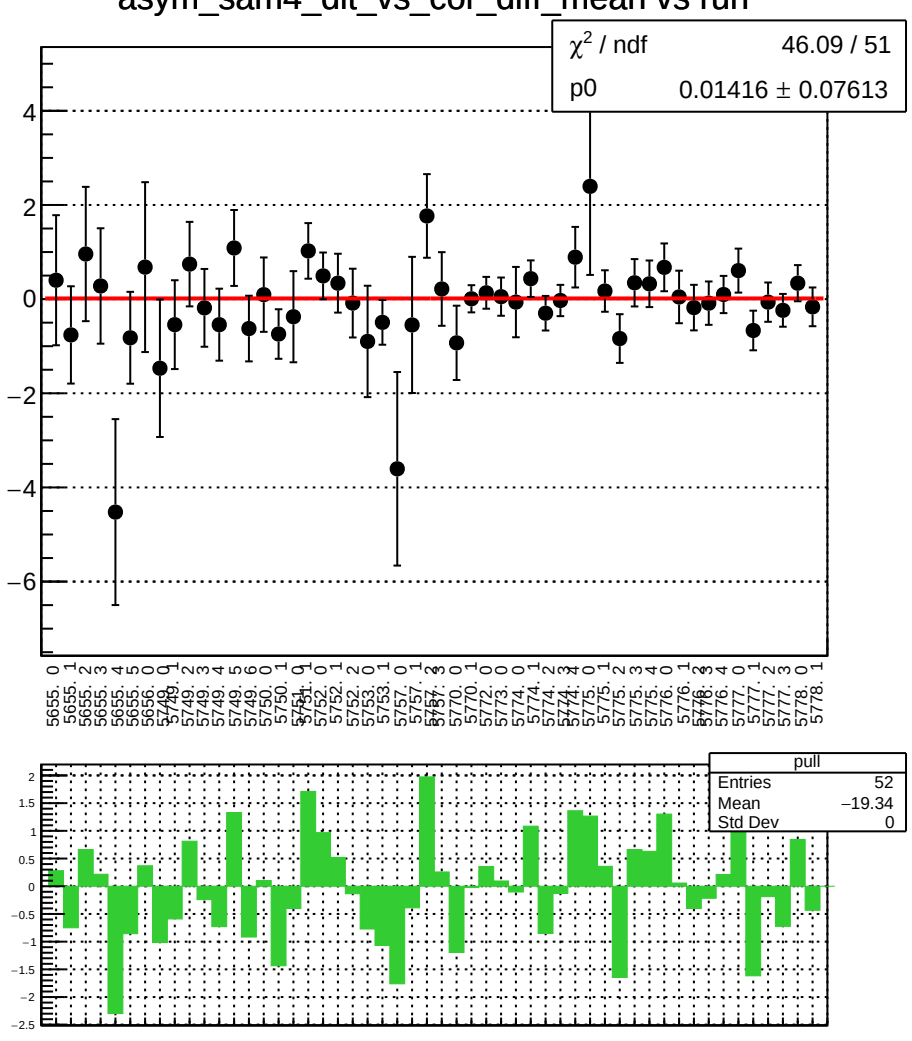
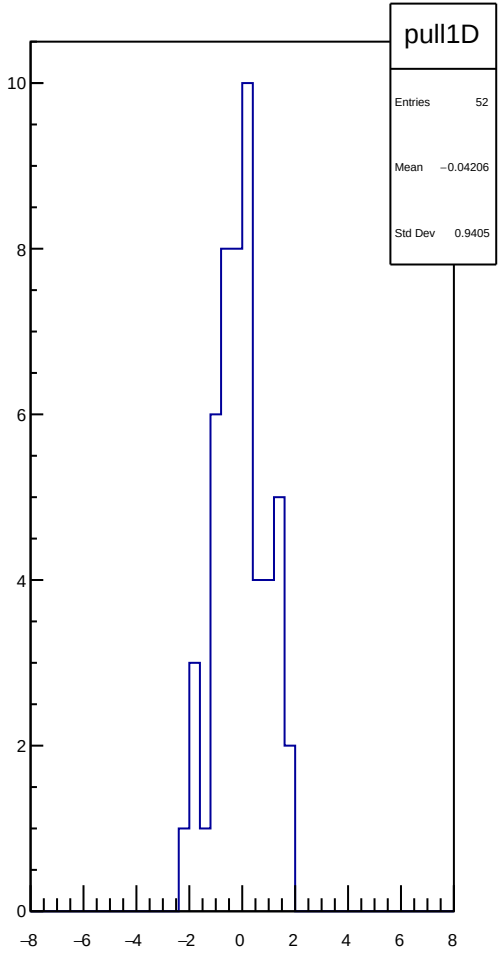
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

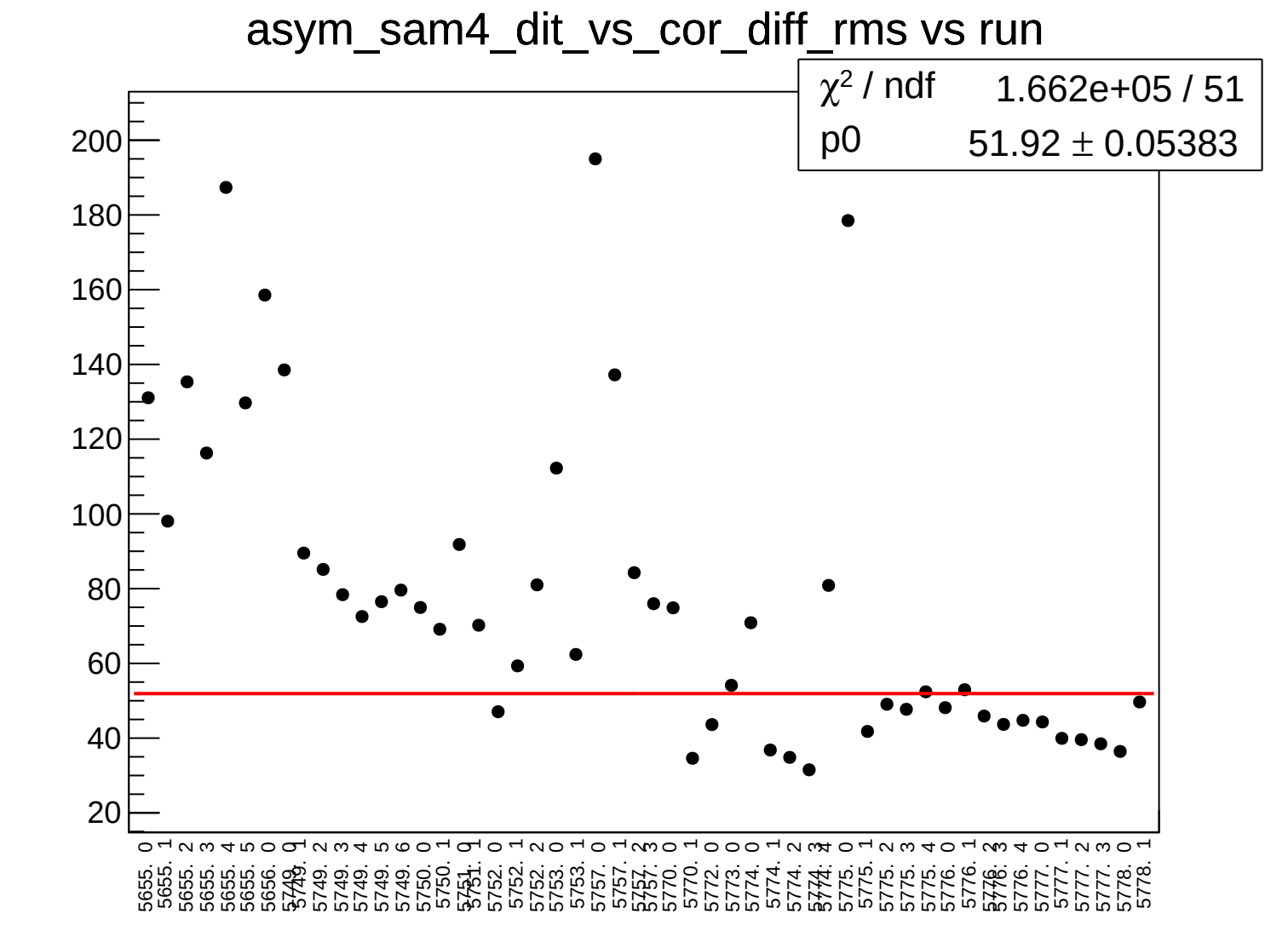

asym_sam4_reg_vs_cor_diff_mean vs run
χ² / ndf 44.24 / 51
p0 5.243e−14 ± 2.244e−13
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 52
Mean −10.5
Std Dev 0

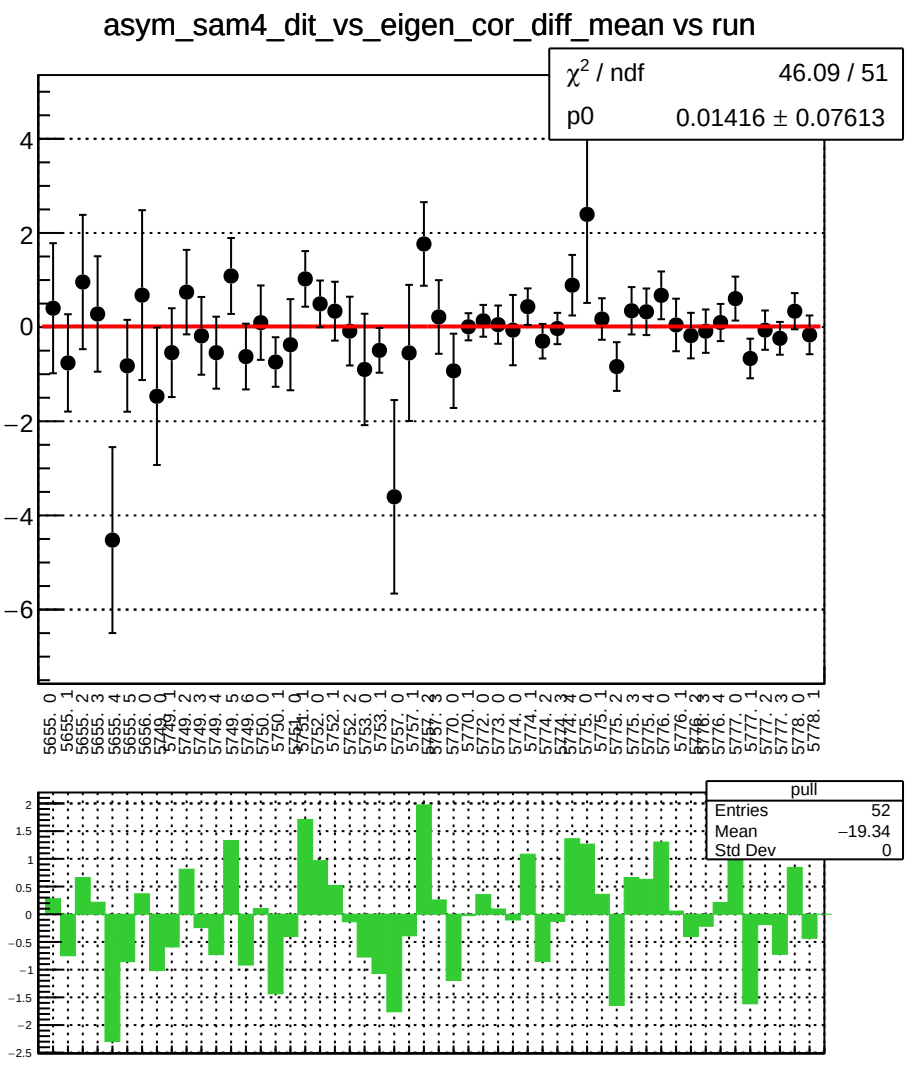

pull1D
Entries 52
Mean 0.08361
Std Dev 0.9186
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

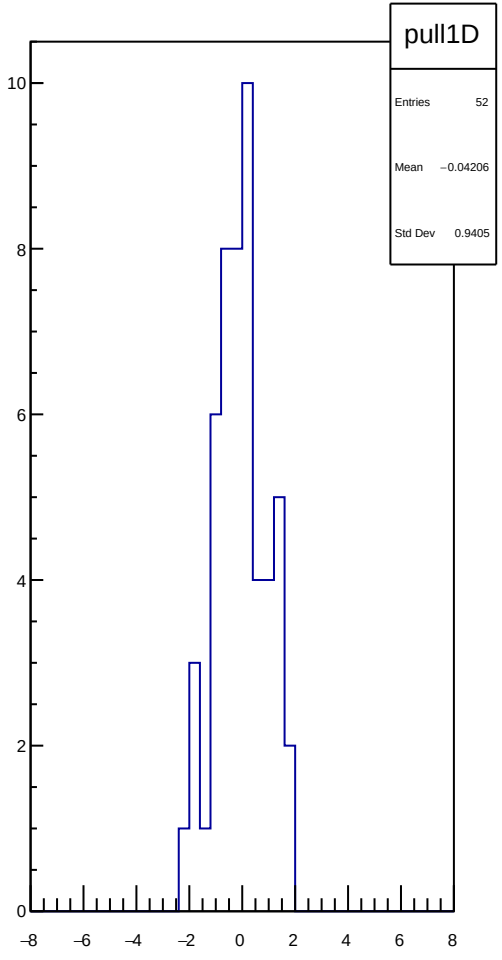

asym_sam4_reg_vs_cor_diff_rms vs run
χ² / ndf 7.469e+05 / 51
p0 9.38e−11 ± 1.587e−13
0.1
0.08
0.06
0.04
0.02
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

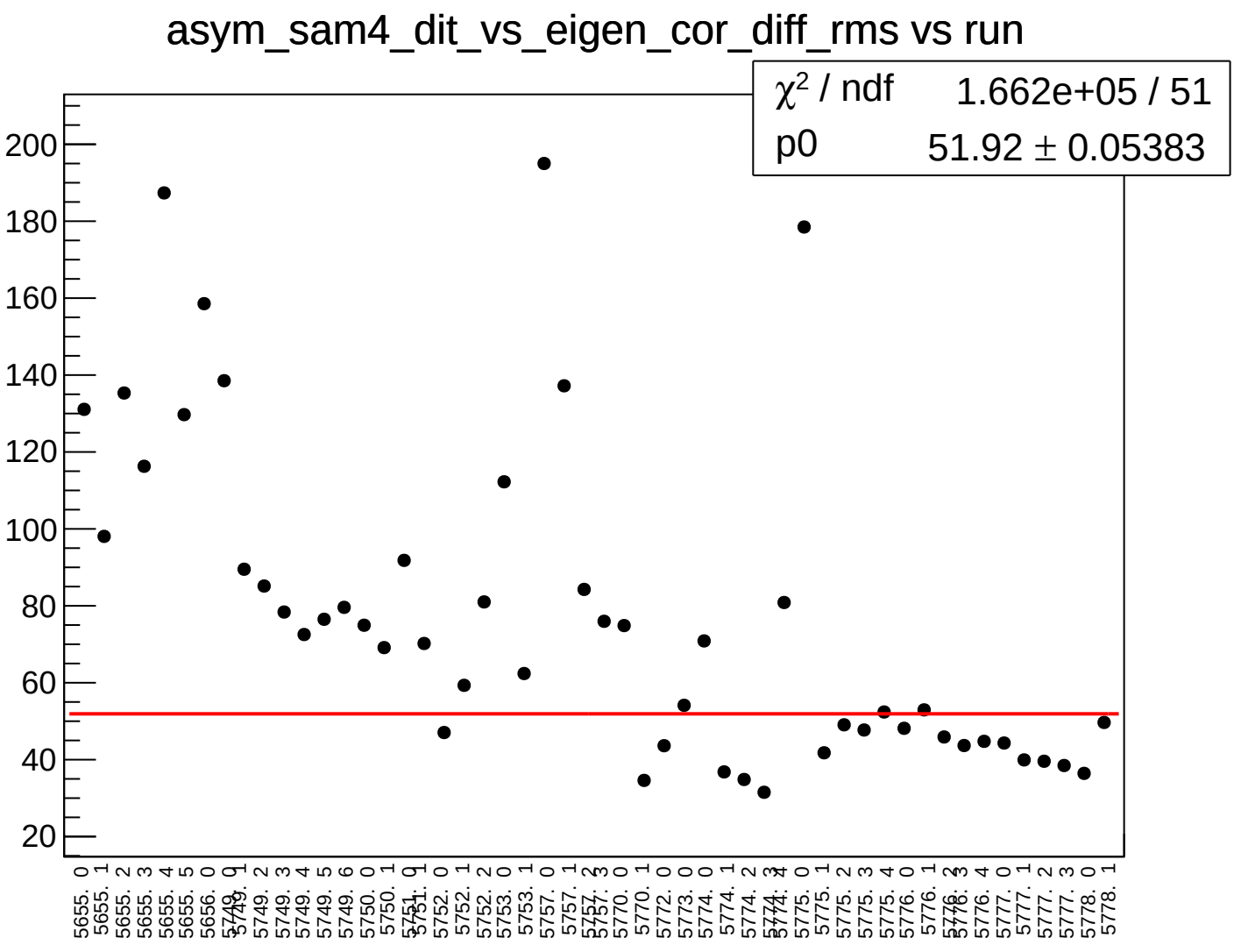

asym_sam4_dit_vs_cor_diff_mean vs run
χ² / ndf 46.09 / 51
p0 0.01416 ± 0.07613
pull
Entries 52
Mean −19.34
Std Dev 0

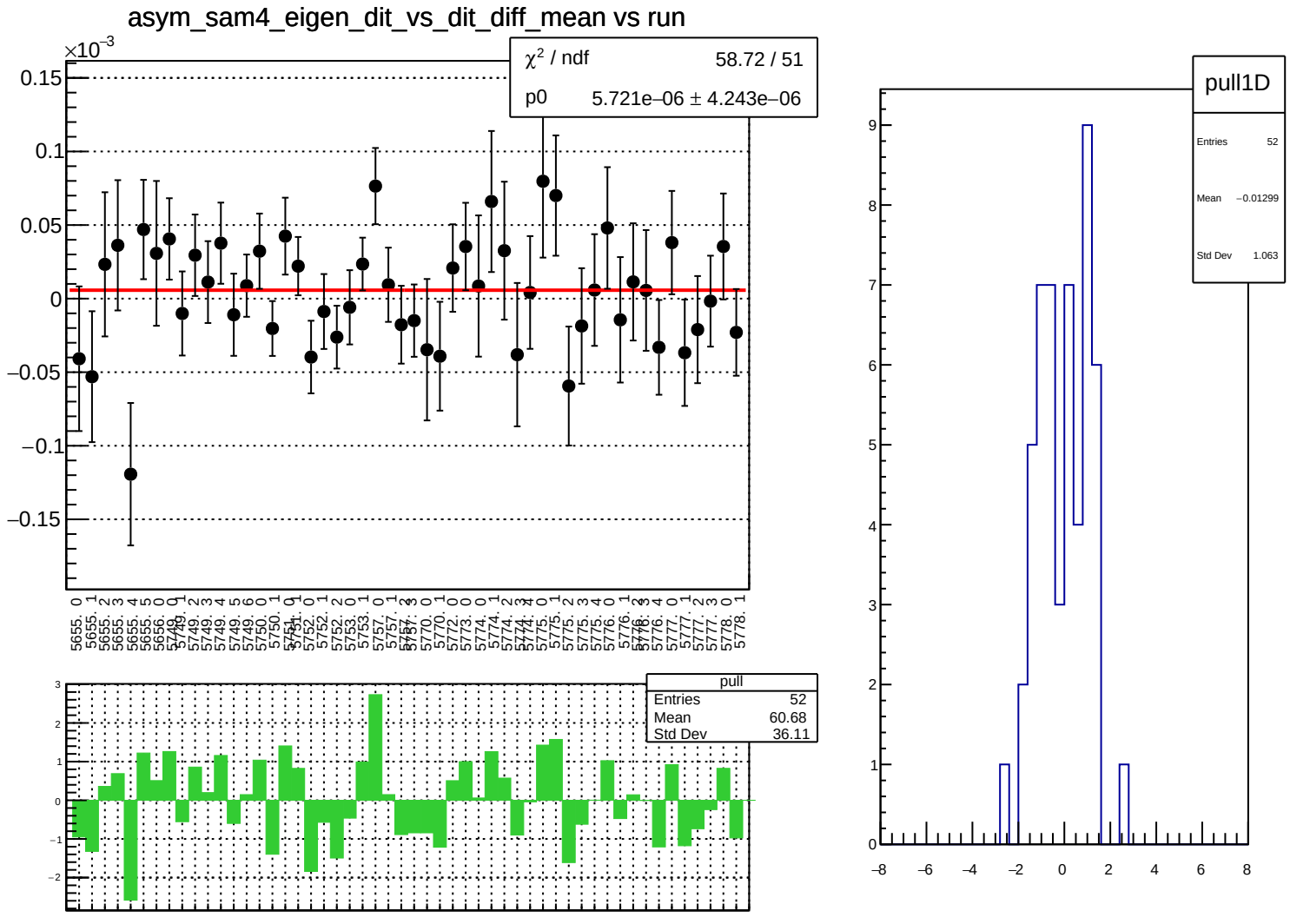

pull1D
Entries 52
Mean −0.04206
Std Dev 0.9405

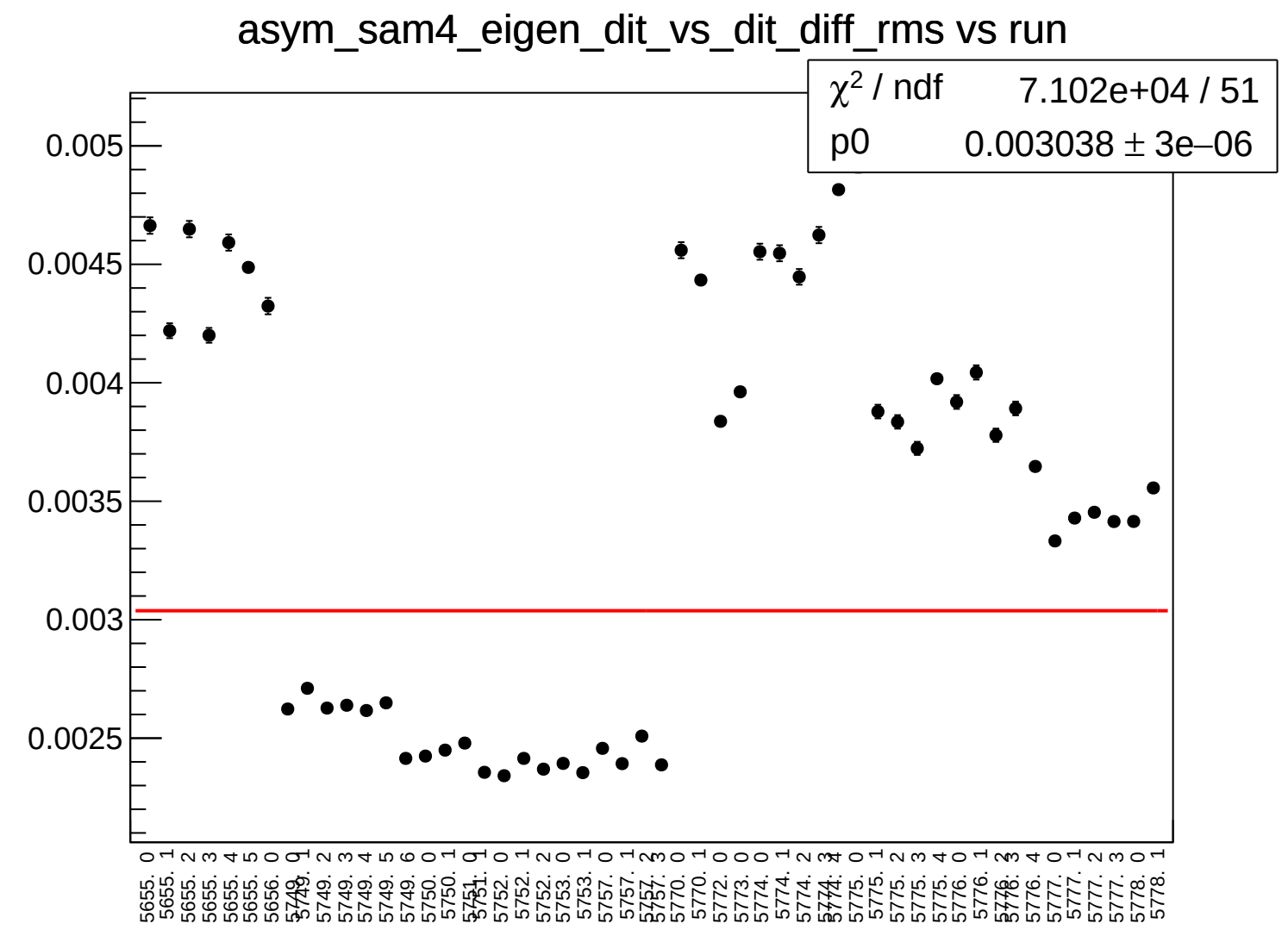

asym_sam4_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.662e+05 / 51
p0 51.92 ± 0.05383
200
180
160
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

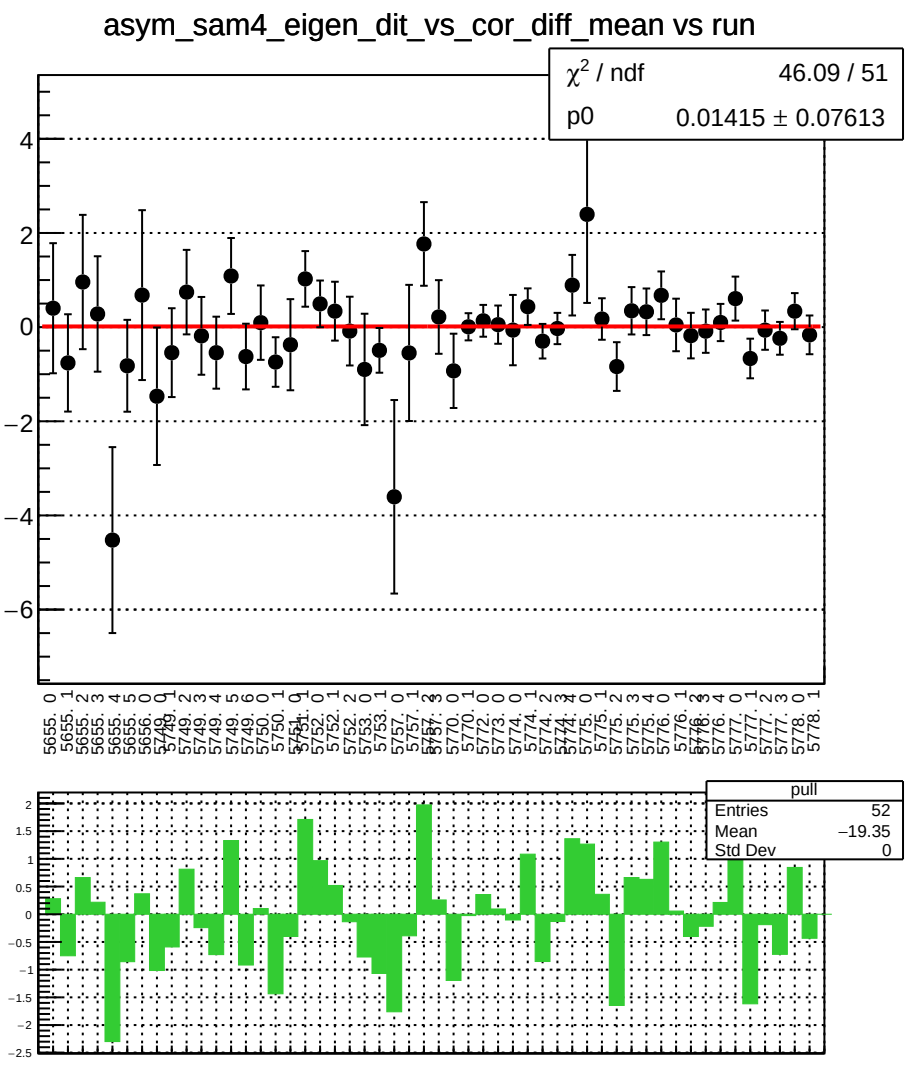

asym_sam4_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.09 / 51
p0 0.01416 ± 0.07613
pull
Entries 52
Mean −19.34
Std Dev 0

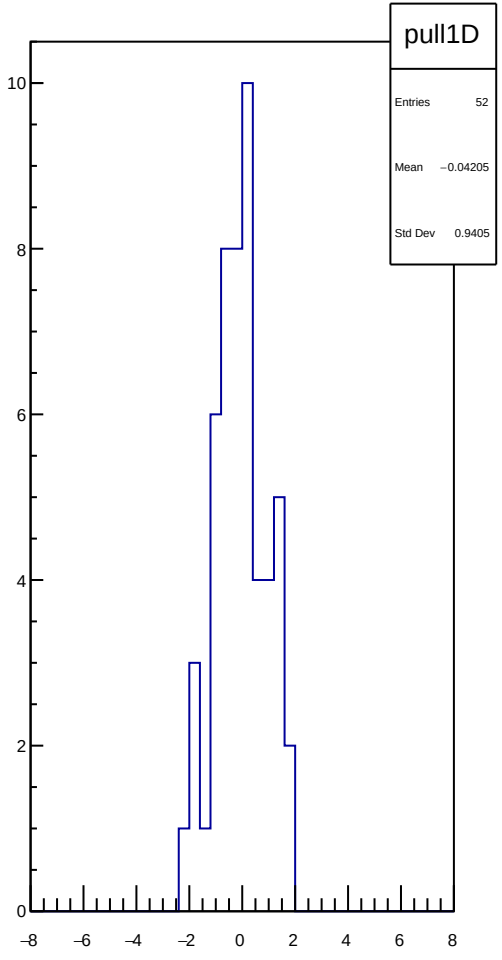

pull1D
Entries 52
Mean −0.04206
Std Dev 0.9405

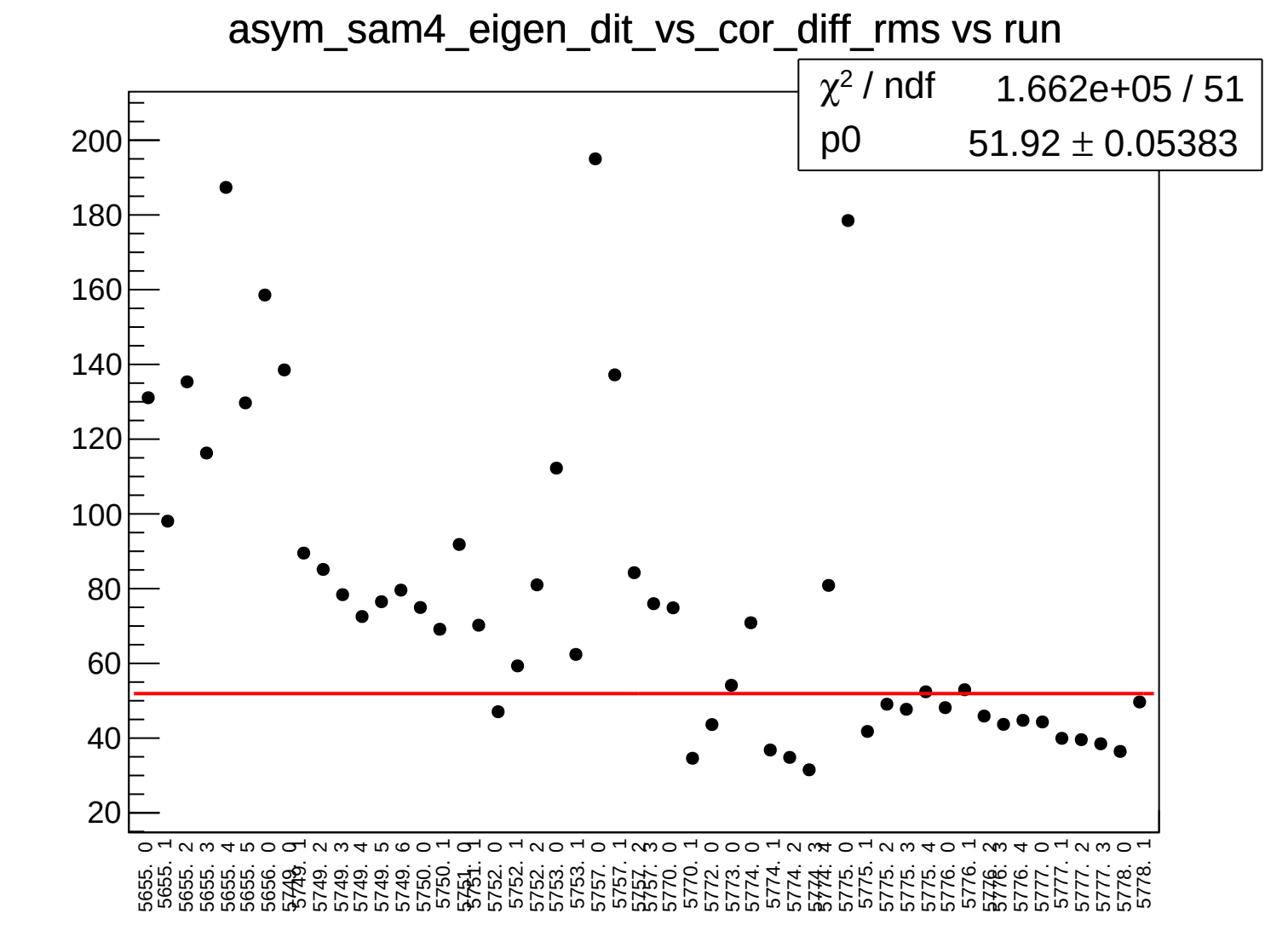

asym_sam4_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.662e+05 / 51
p0 51.92 ± 0.05383
200
180
160
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam4_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 58.72 / 51
p0 5.721e−06 ± 4.243e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 52
Mean 60.68
Std Dev 36.11
pull1D
Entries 52
Mean −0.01299
Std Dev 1.063


asym_sam4_eigen_dit_vs_dit_diff_rms vs run
χ^2 / ndf 7.102e+04 / 51
p0 0.003038 ± 3e–06
0.005
0.0045
0.004
0.0035
0.003
0.0025
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam4_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.09 / 51
p0 0.01415 ± 0.07613
pull
Entries 52
Mean −19.35
Std Dev 0


pull1D
Entries 52
Mean −0.04205
Std Dev 0.9405


asym_sam4_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.662e+05 / 51
p0 51.92 ± 0.05383
200
180
160
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
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5774. 0
5774. 1
5774. 2
5775. 0
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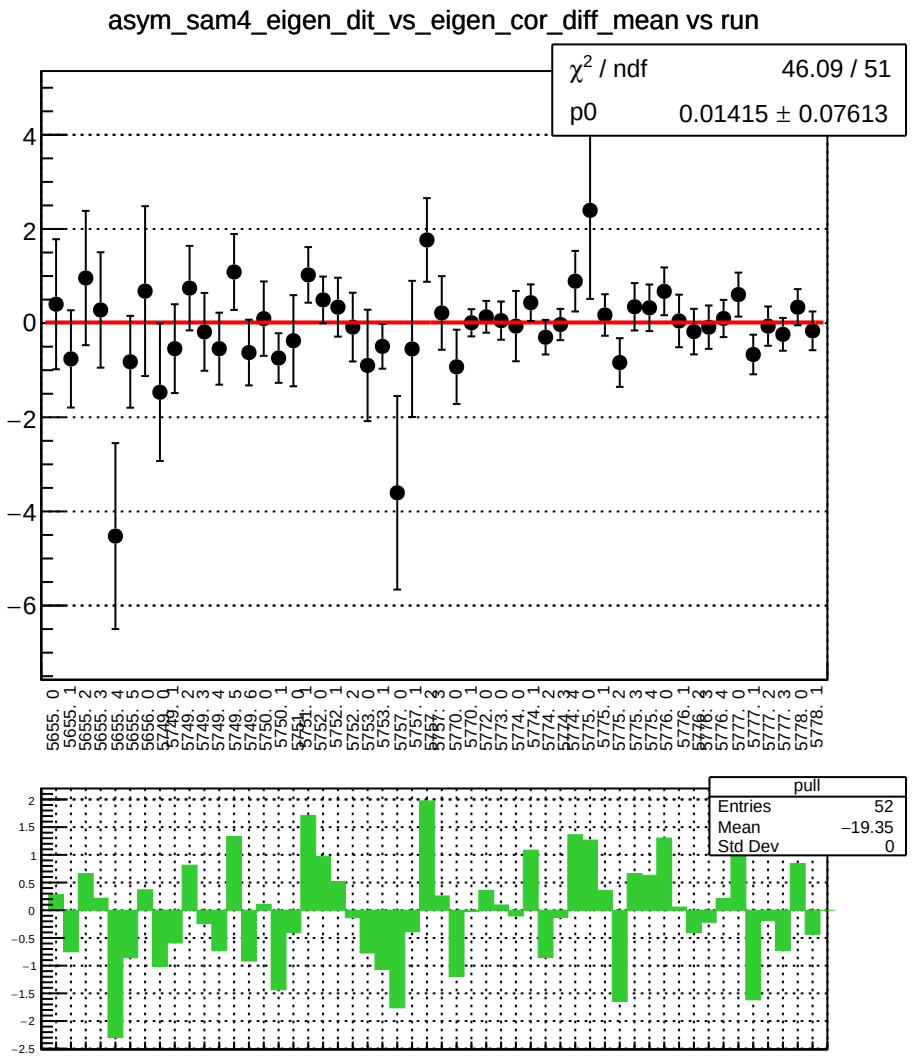
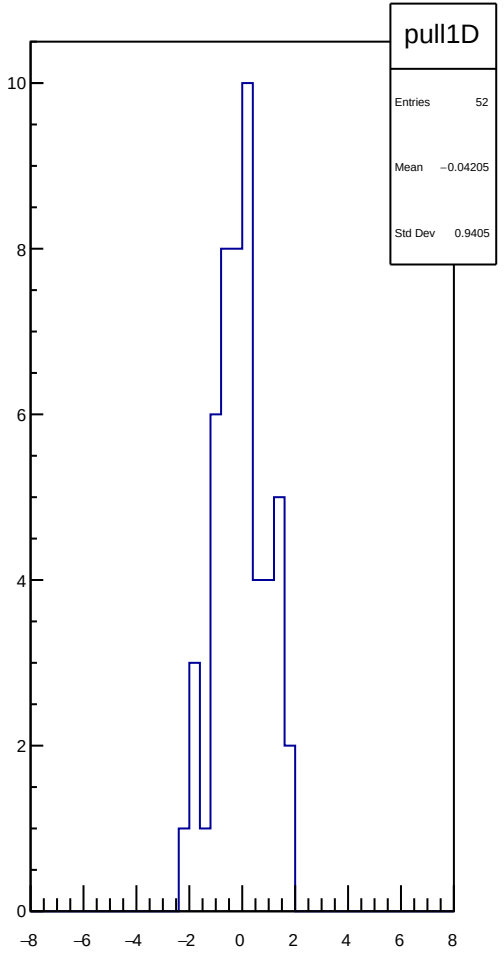
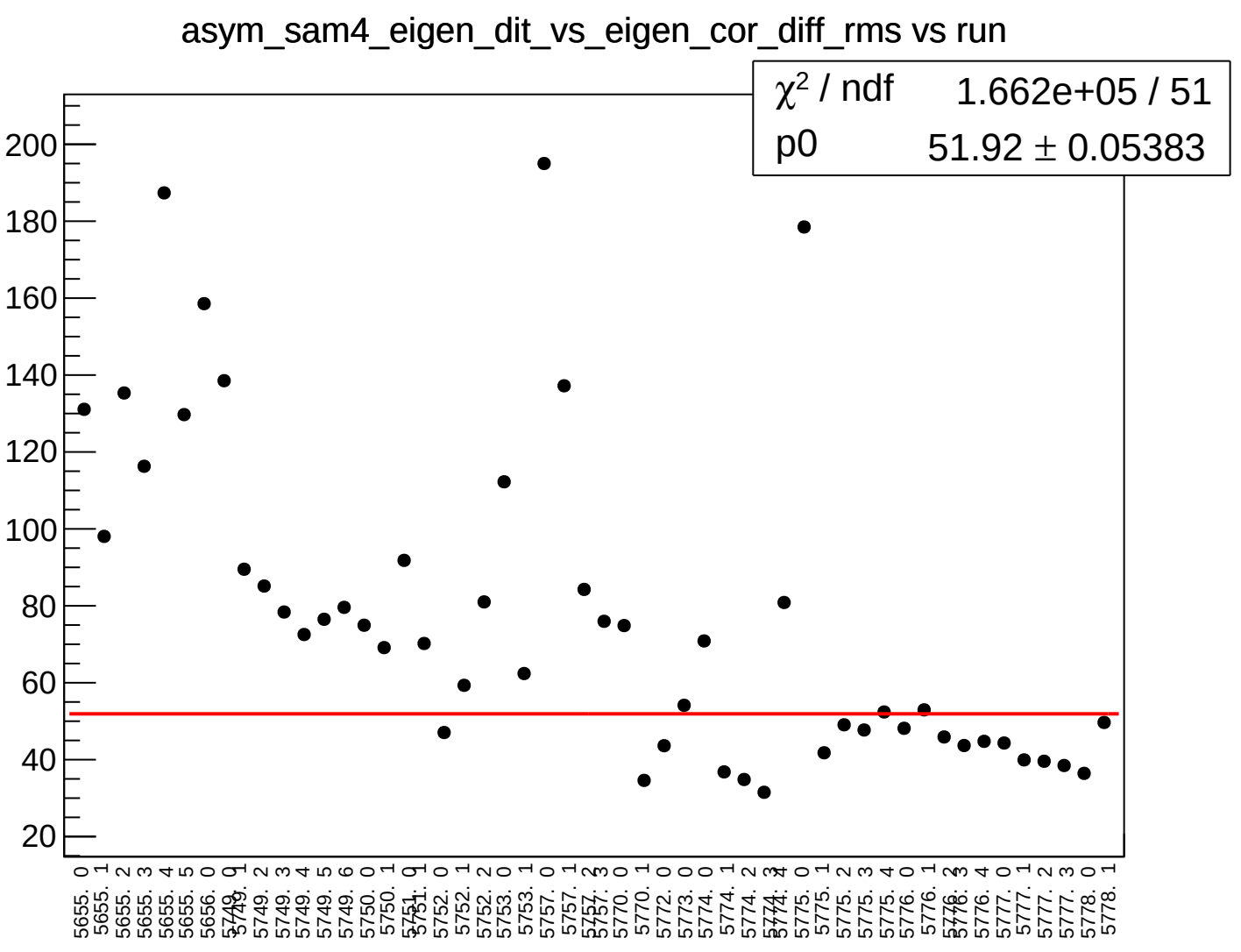
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.09 / 51
p0 0.01415 ± 0.07613
pull
Entries 52
Mean −19.35
Std Dev 0


pull1D
Entries 52
Mean −0.04205
Std Dev 0.9405


asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.662e+05 / 51
p0 51.92 ± 0.05383
200
180
160
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
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5776. 4
5777. 0
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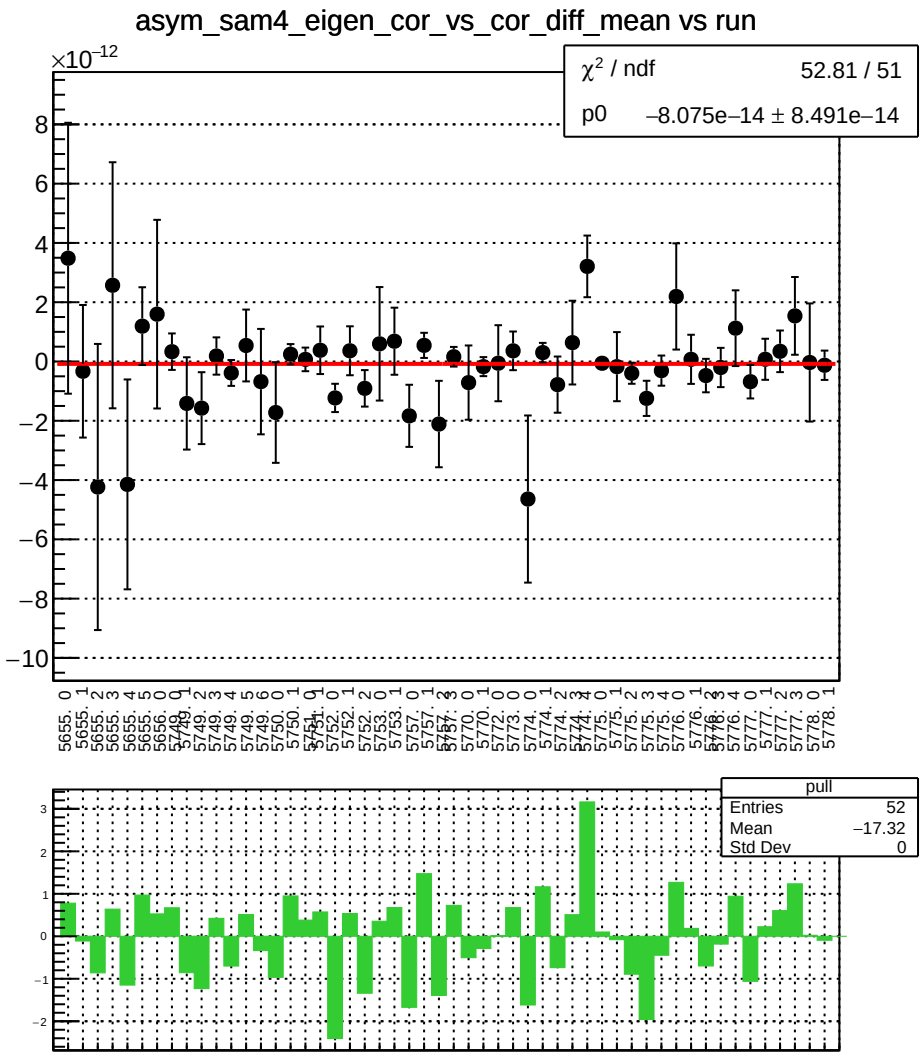
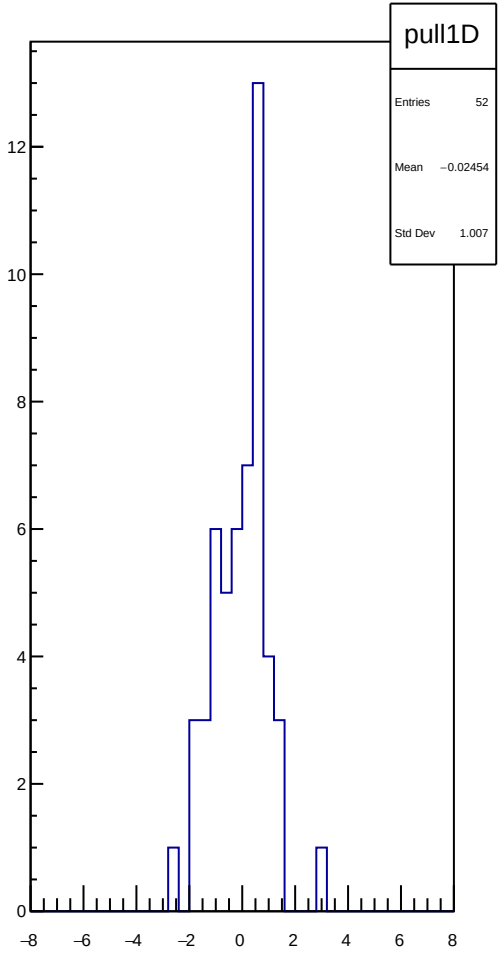
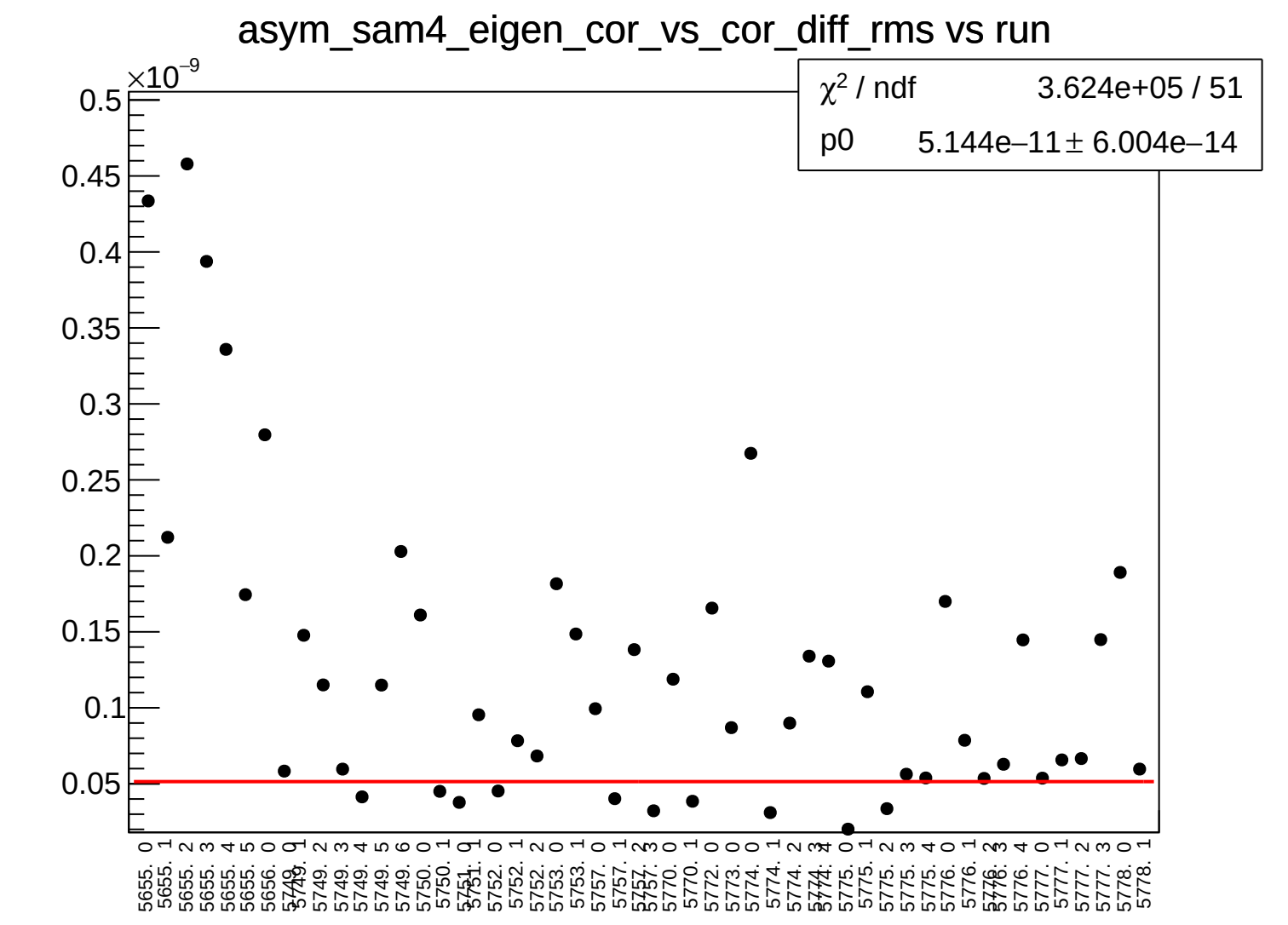
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam4_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 52.81 / 51
p0 −8.075e−14 ± 8.491e−14
pull
Entries 52
Mean −17.32
Std Dev 0


pull1D
Entries 52
Mean −0.02454
Std Dev 1.007


asym_sam4_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.624e+05 / 51
p0 5.144e−11 ± 6.004e−14
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5777. 2
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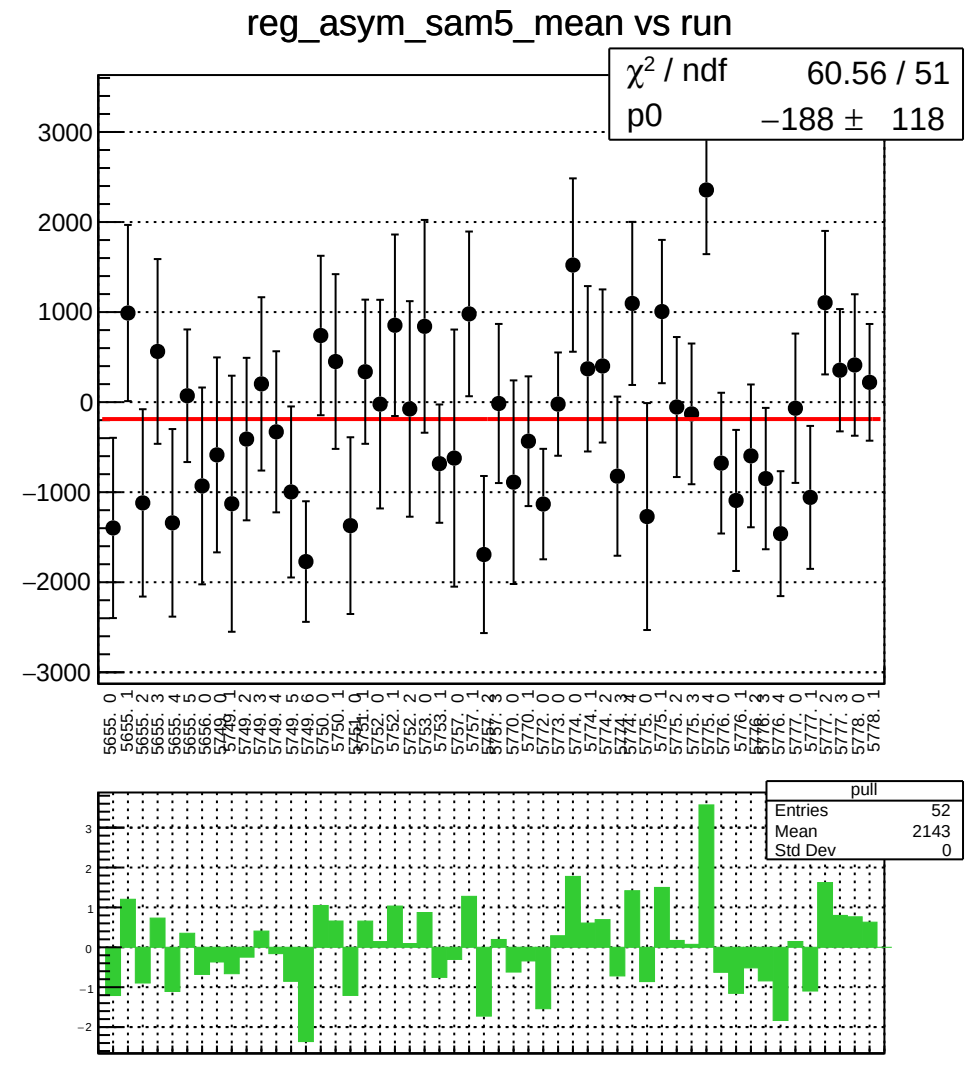
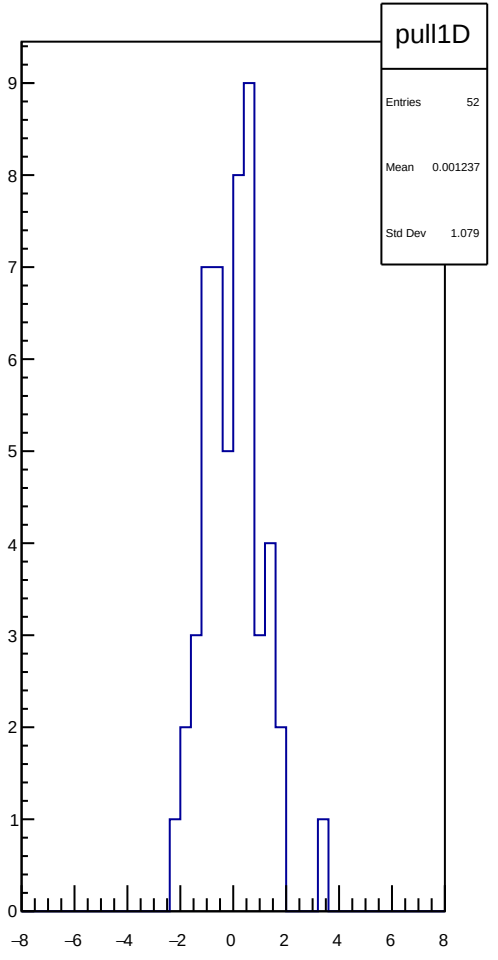
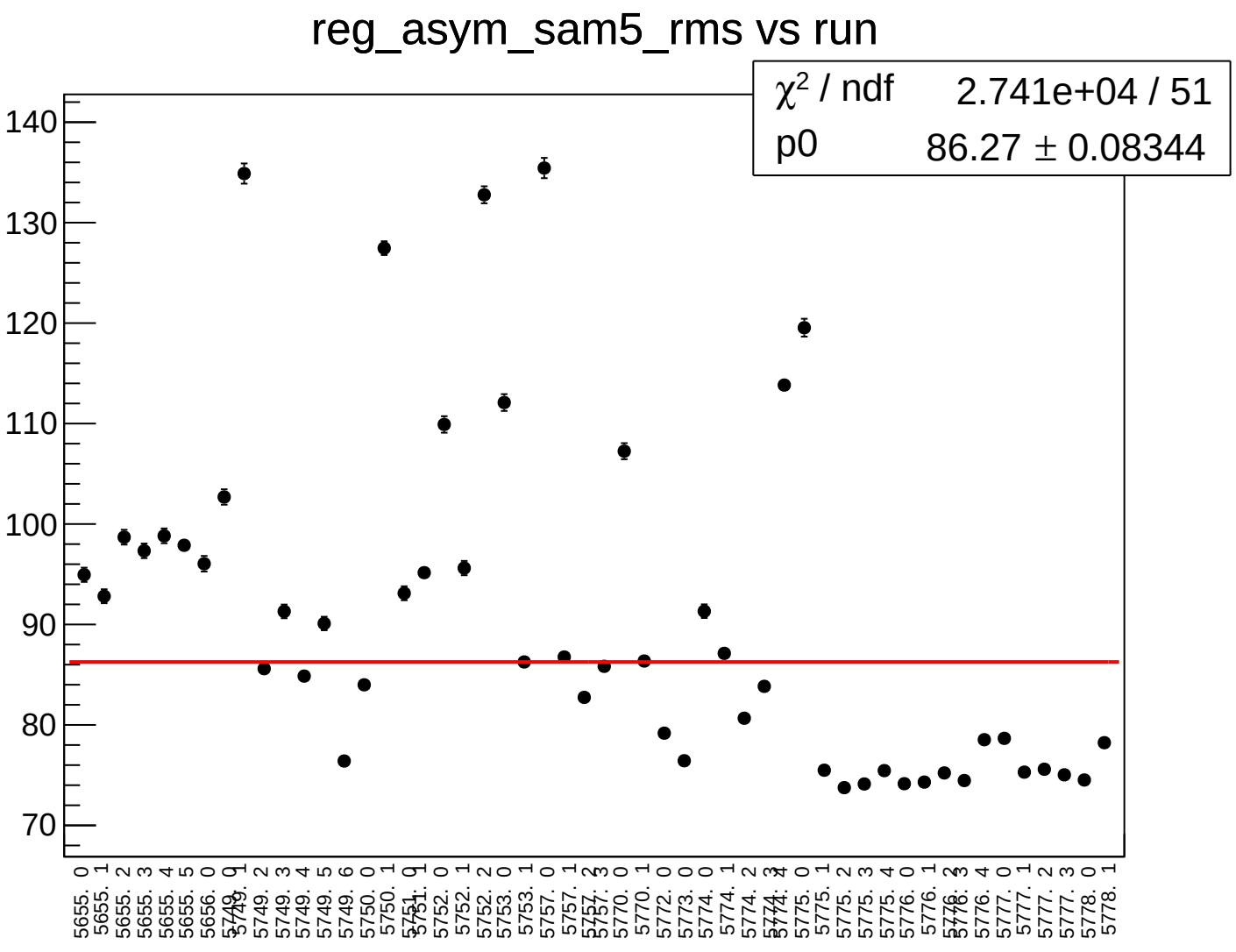
5778. 1


reg_asym_sam5_mean vs run
χ² / ndf 60.56 / 51
p0 −188 ± 118
pull
Entries 52
Mean 2143
Std Dev 0


pull1D
Entries 52
Mean 0.001237
Std Dev 1.079


reg_asym_sam5_rms vs run
χ^2 / ndf 2.741e+04 / 51
p0 86.27 ± 0.08344
140
130
120
110
100
90
80
70
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
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5777. 1
5777. 2
5777. 3
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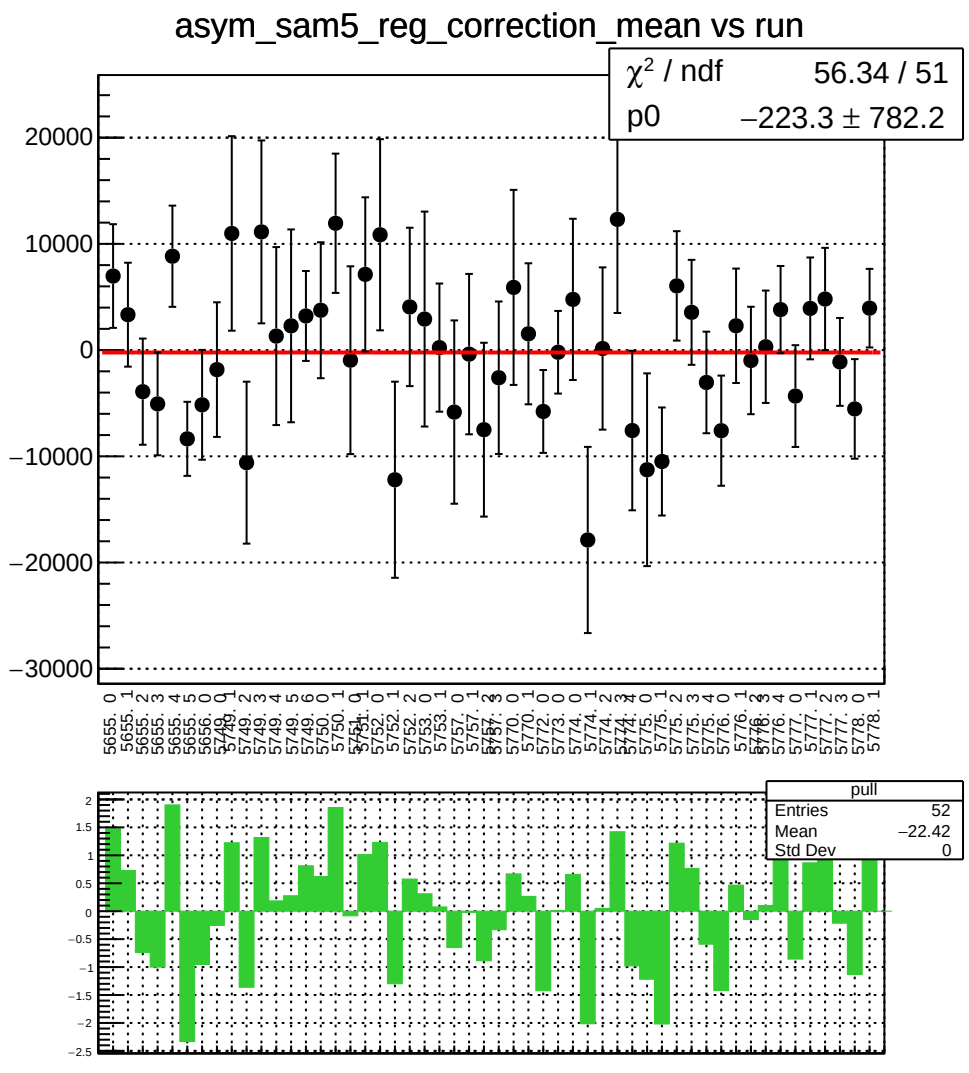
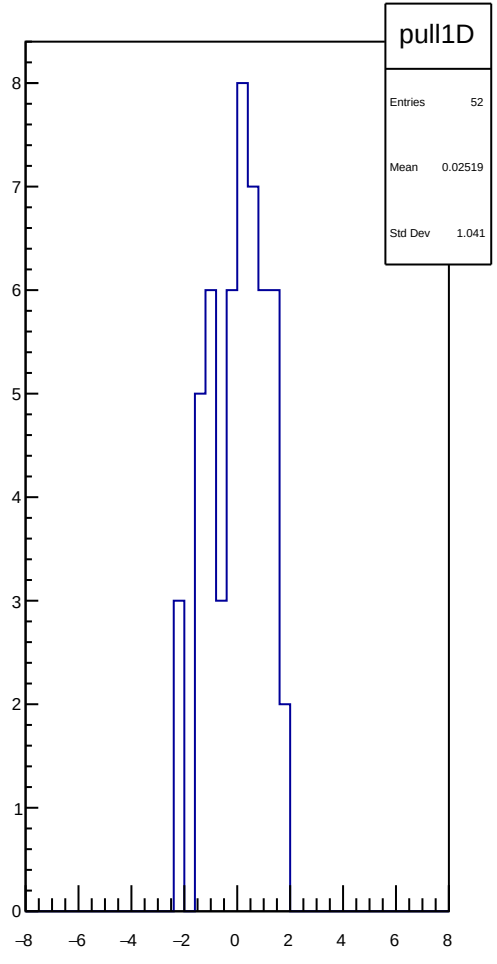
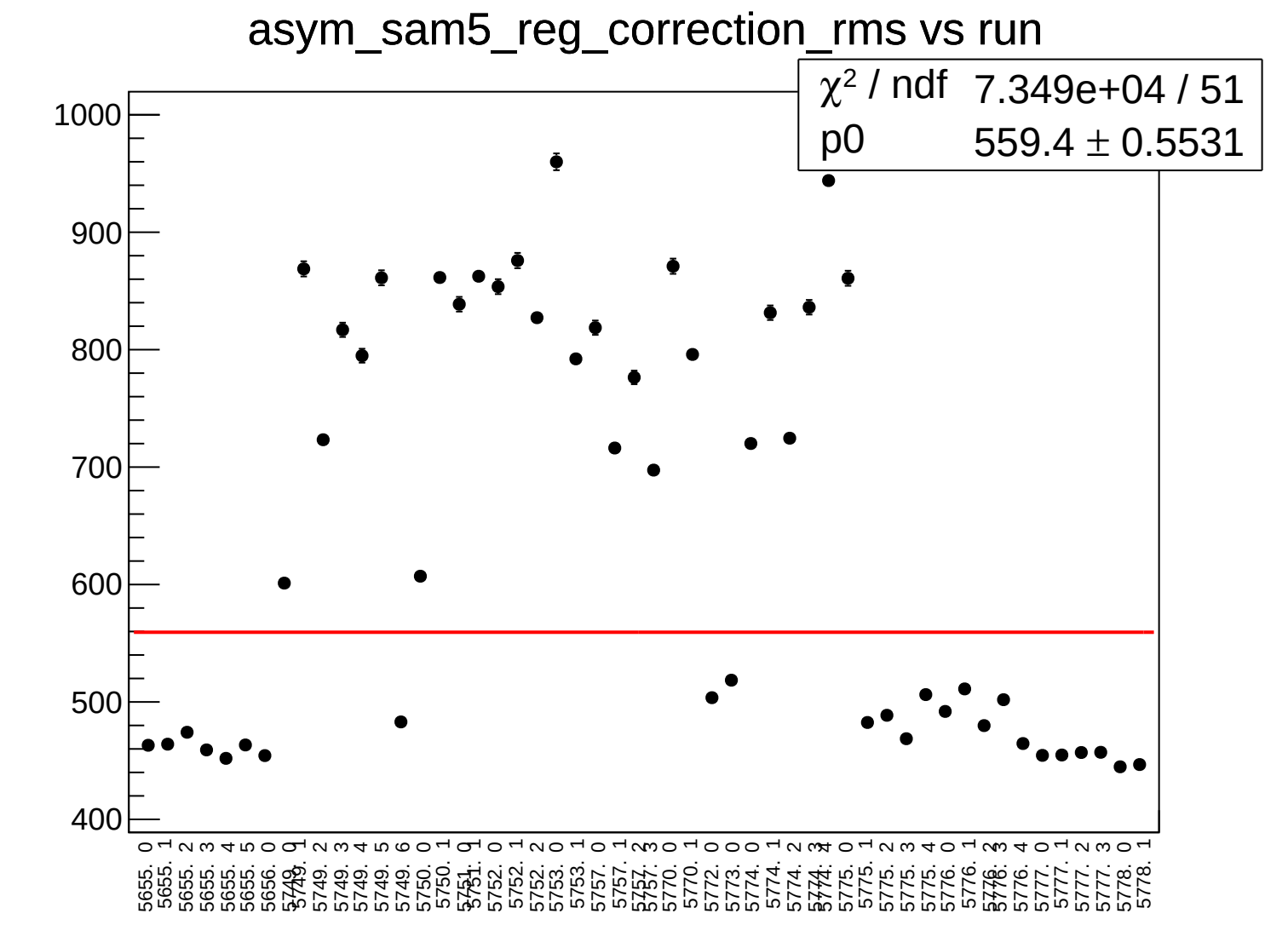
5778. 1


asym_sam5_reg_correction_mean vs run
χ² / ndf 56.34 / 51
p0 −223.3 ± 782.2
pull
Entries 52
Mean −22.42
Std Dev 0


pull1D
Entries 52
Mean 0.02519
Std Dev 1.041


asym_sam5_reg_correction_rms vs run
χ² / ndf 7.349e+04 / 51
p0 559.4 ± 0.5531
1000
900
800
700
600
500
400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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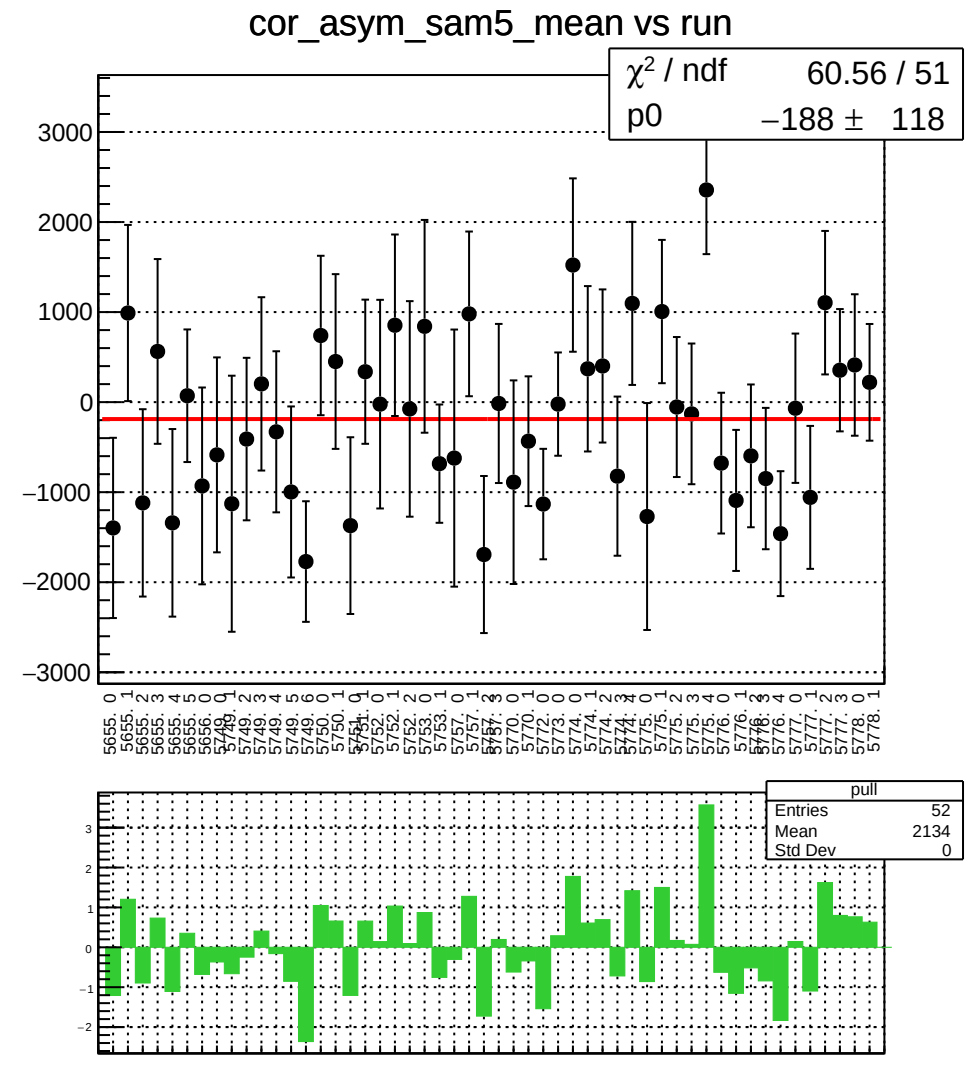
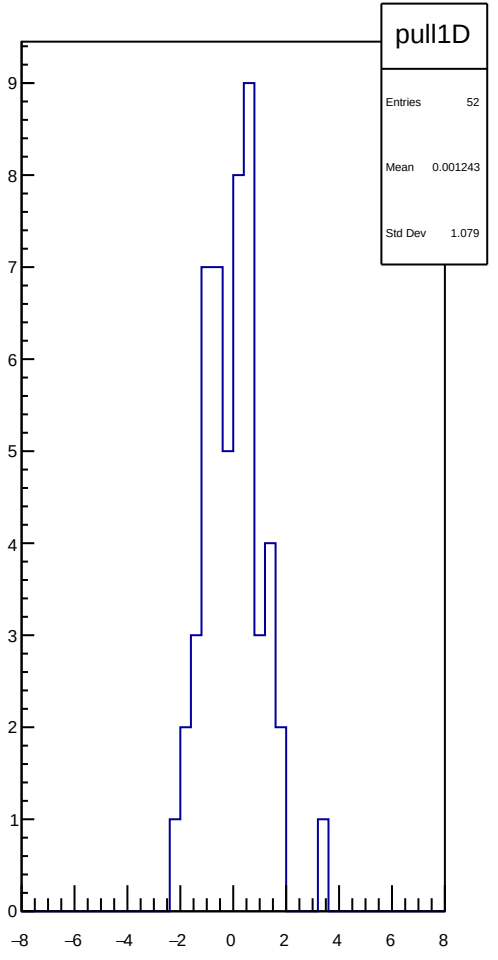
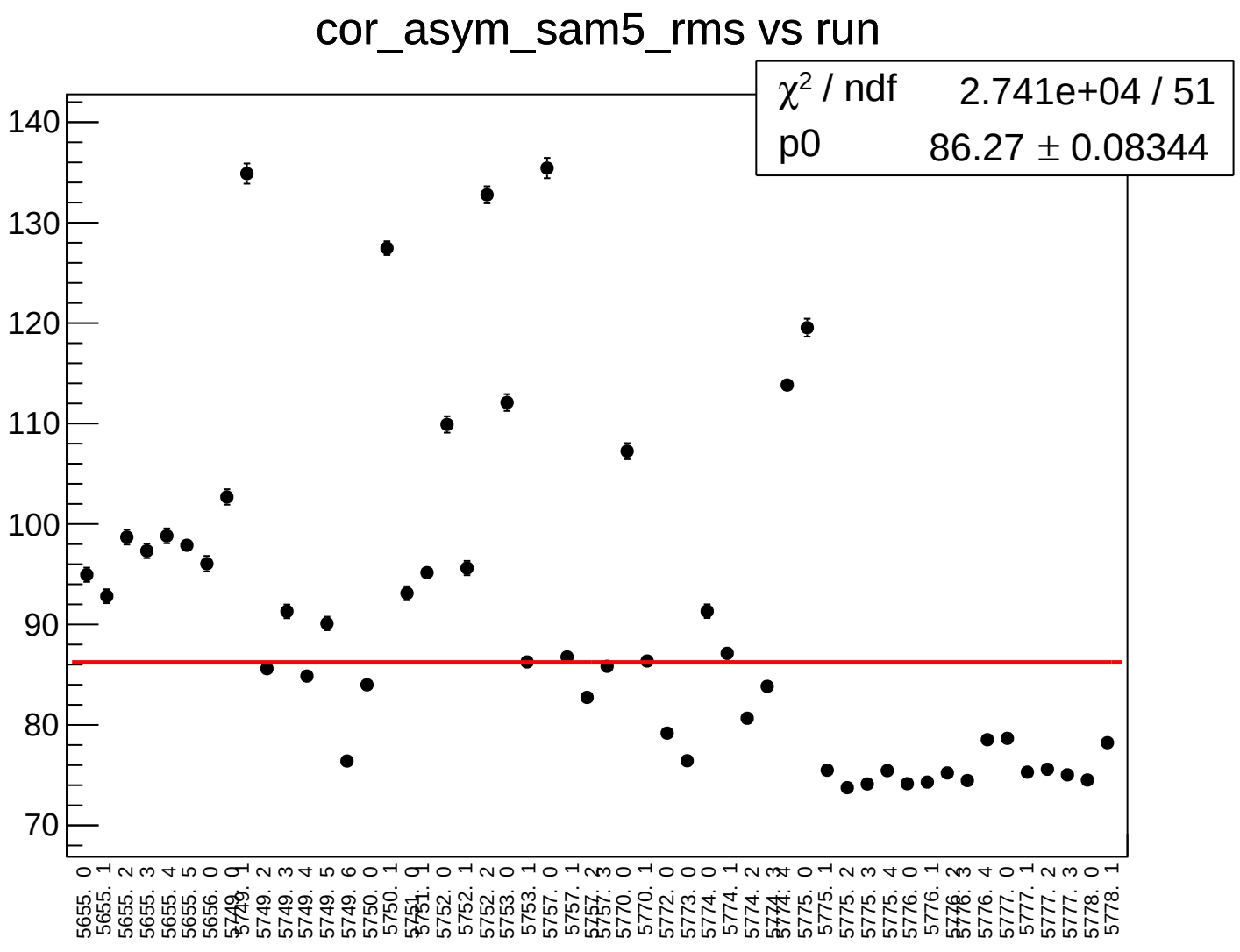
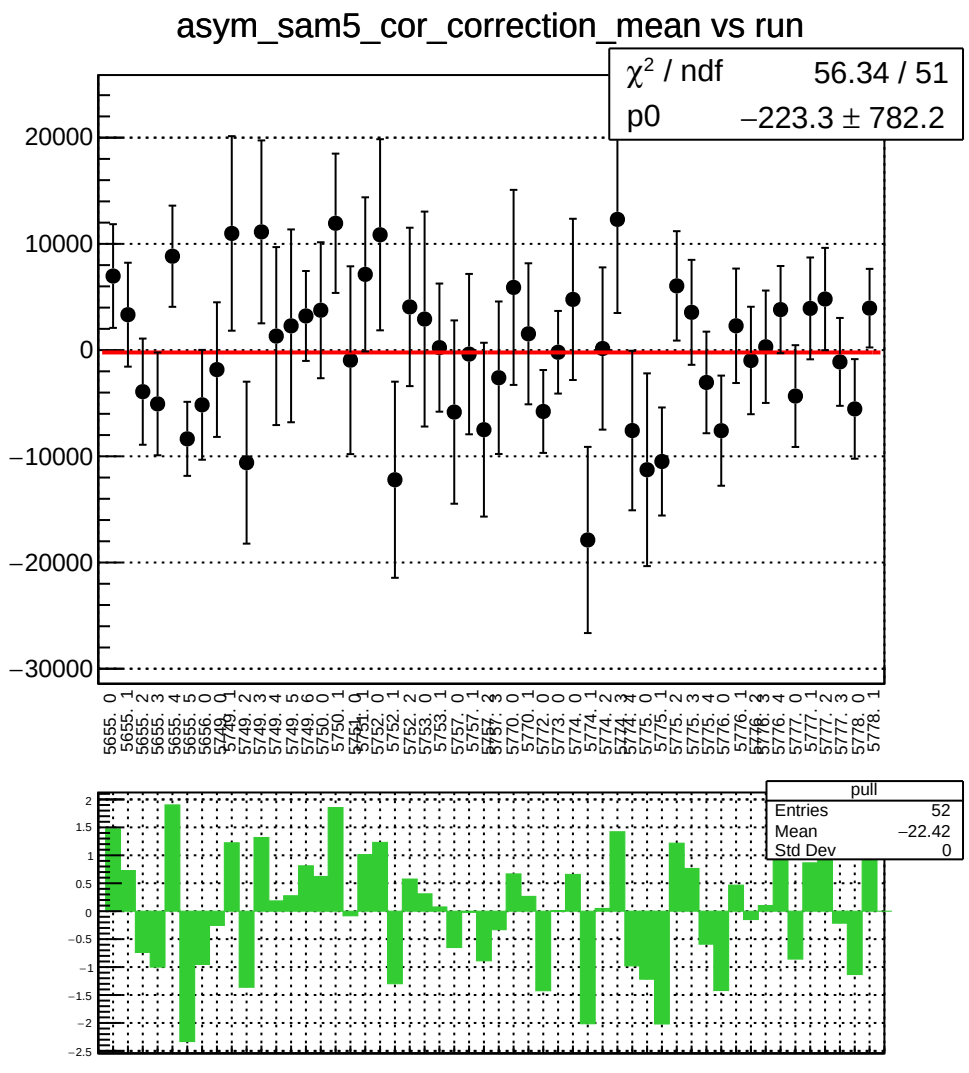
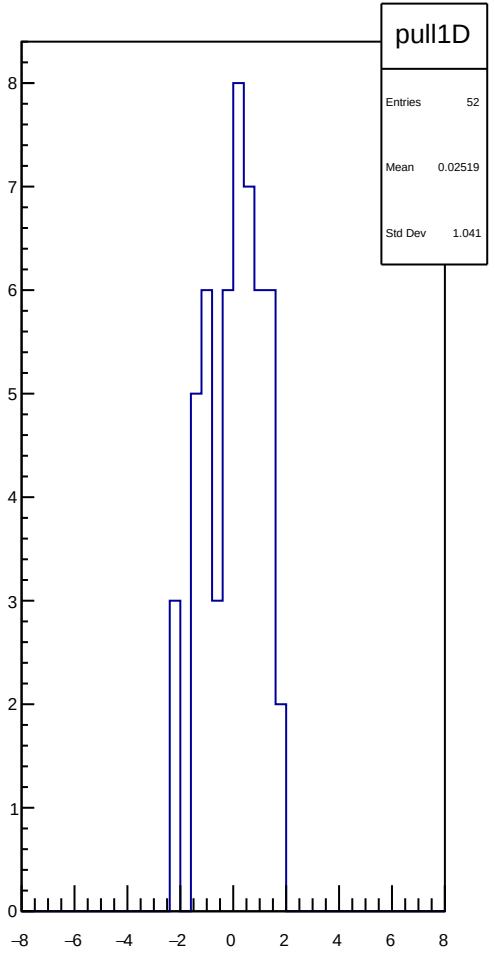
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

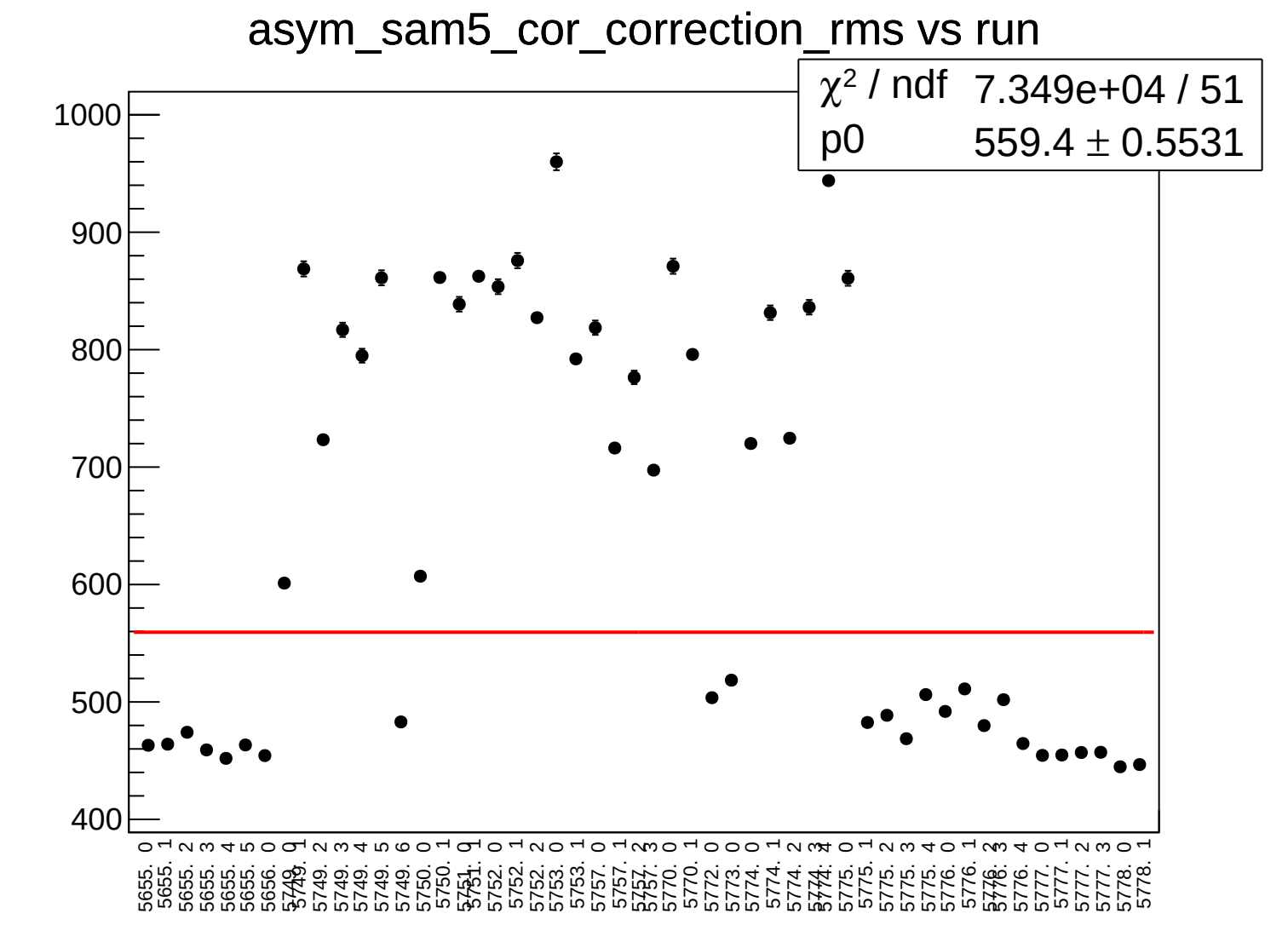

cor_asym_sam5_mean vs run
χ² / ndf 60.56 / 51
p0 −188 ± 118
pull
Entries 52
Mean 2134
Std Dev 0

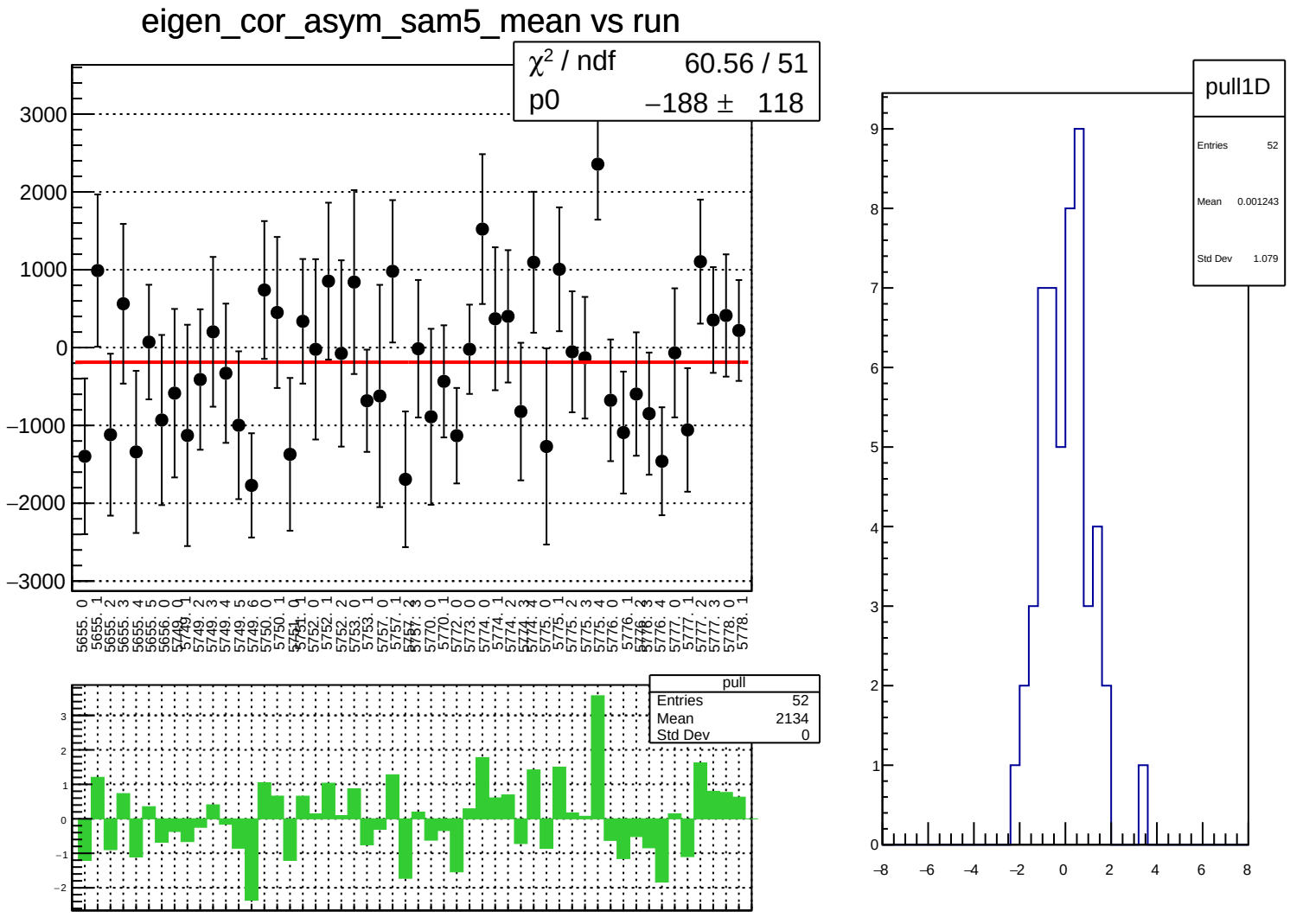

pull1D
Entries 52
Mean 0.001243
Std Dev 1.079

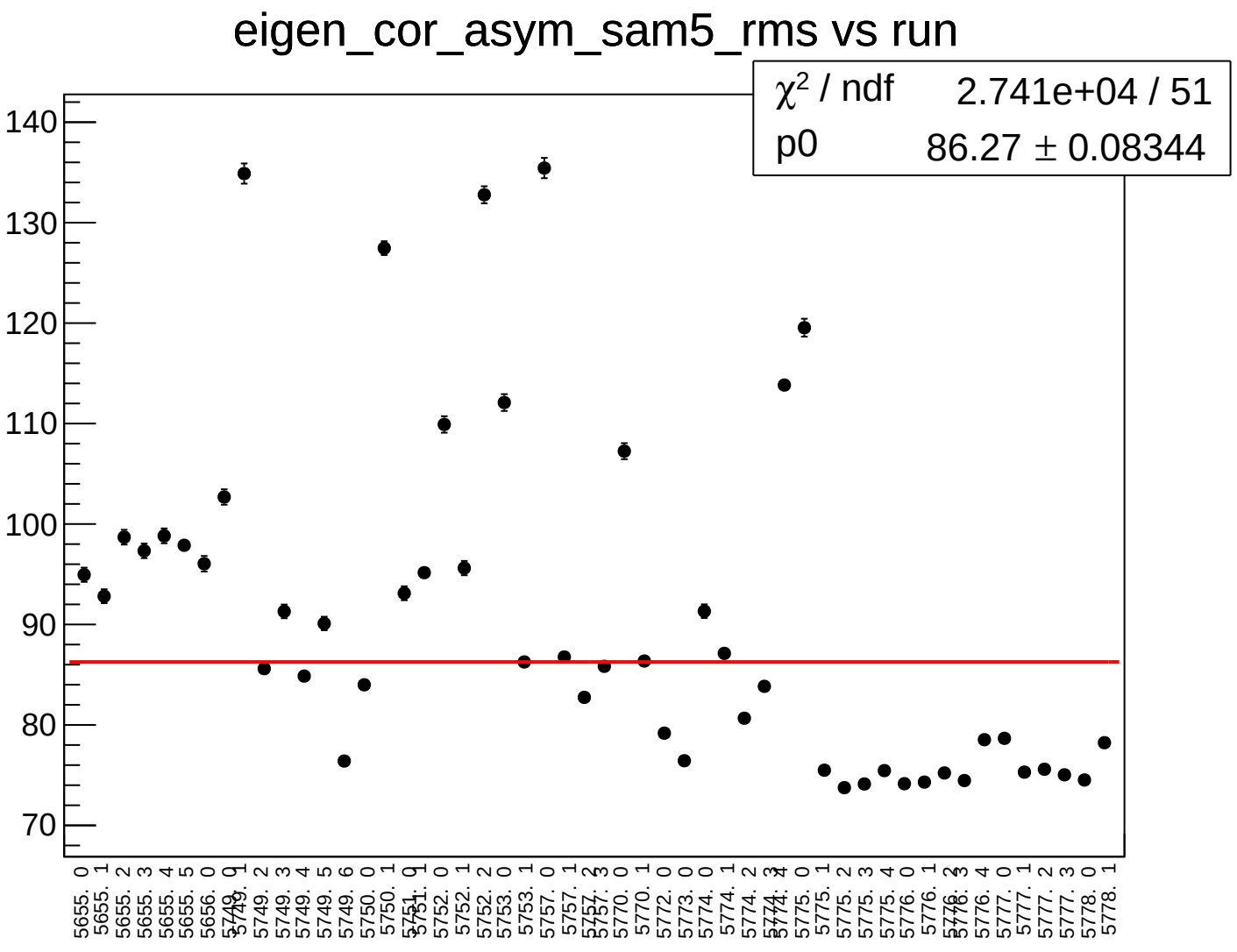

cor_asym_sam5_rms vs run
χ^2 / ndf 2.741e+04 / 51
p0 86.27 ± 0.08344
140
130
120
110
100
90
80
70
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

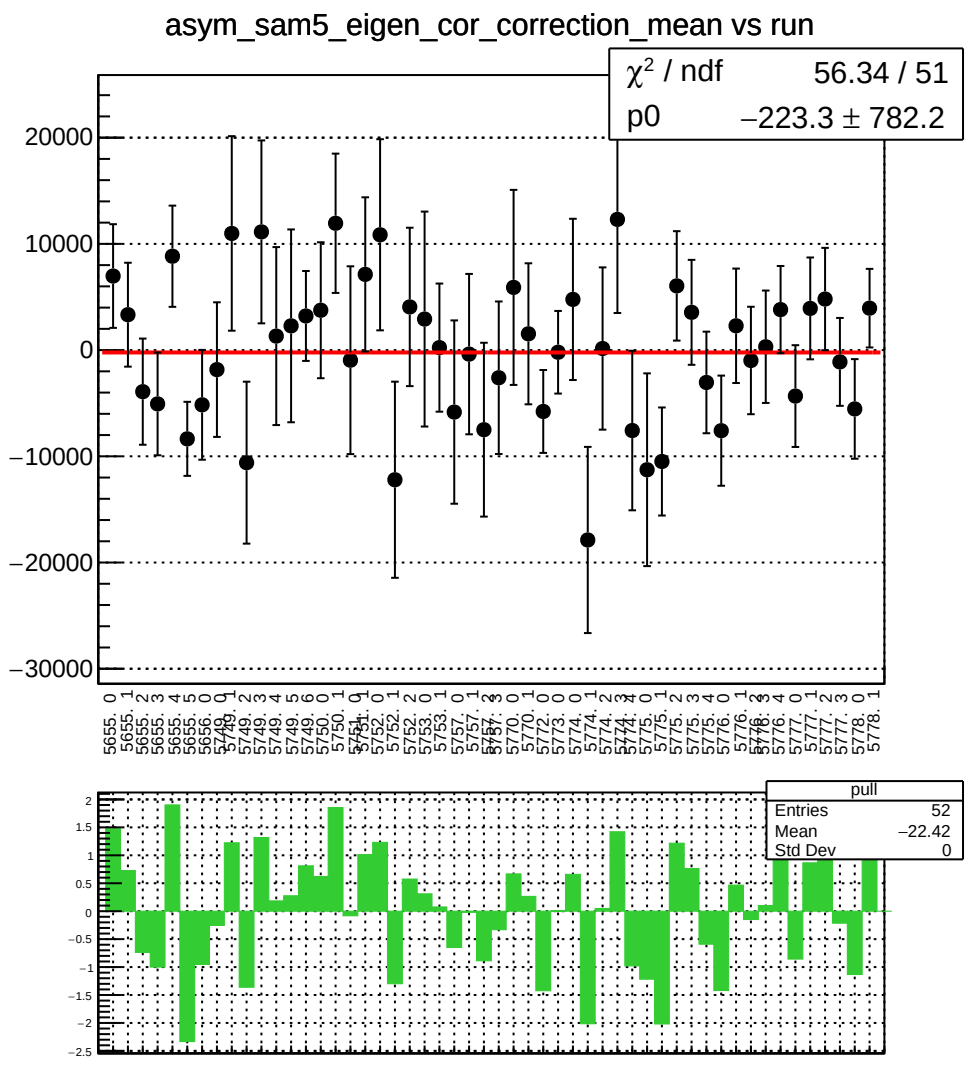

asym_sam5_cor_correction_mean vs run
χ² / ndf 56.34 / 51
p0 −223.3 ± 782.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean −22.42
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

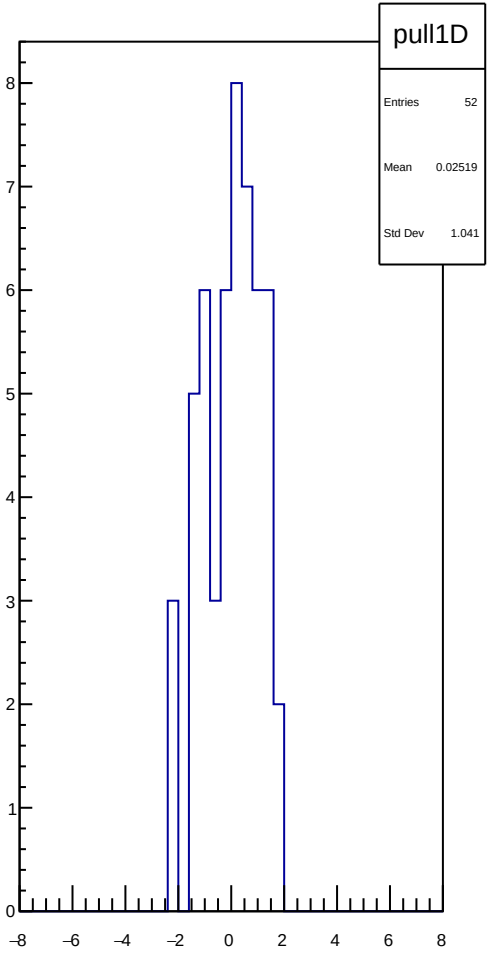

pull1D
Entries 52
Mean 0.02519
Std Dev 1.041
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

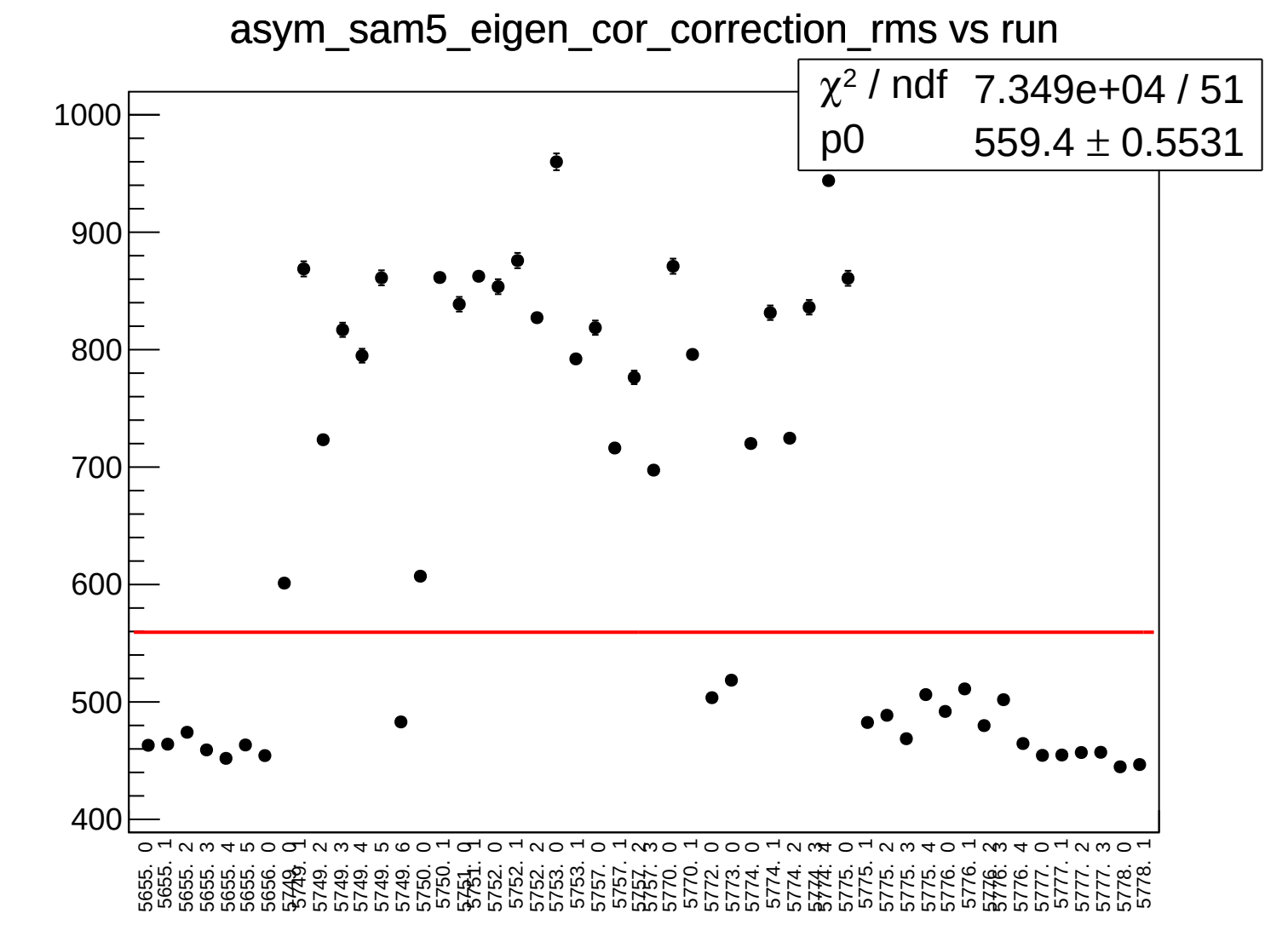

asym_sam5_cor_correction_rms vs run
χ² / ndf 7.349e+04 / 51
p0 559.4 ± 0.5531
1000
900
800
700
600
500
400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

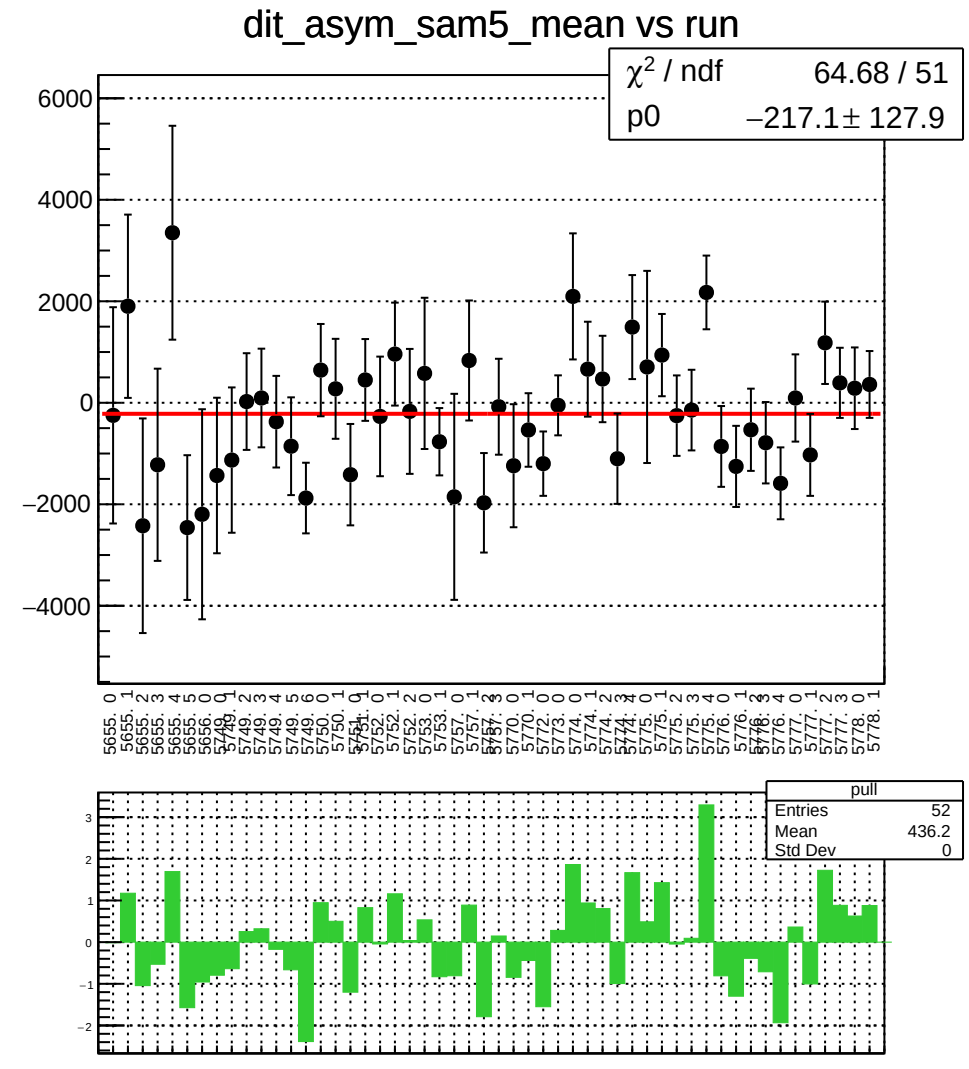

eigen_cor_asym_sam5_mean vs run
χ² / ndf 60.56 / 51
p0 −188 ± 118
pull
Entries 52
Mean 2134
Std Dev 0
pull1D
Entries 52
Mean 0.001243
Std Dev 1.079

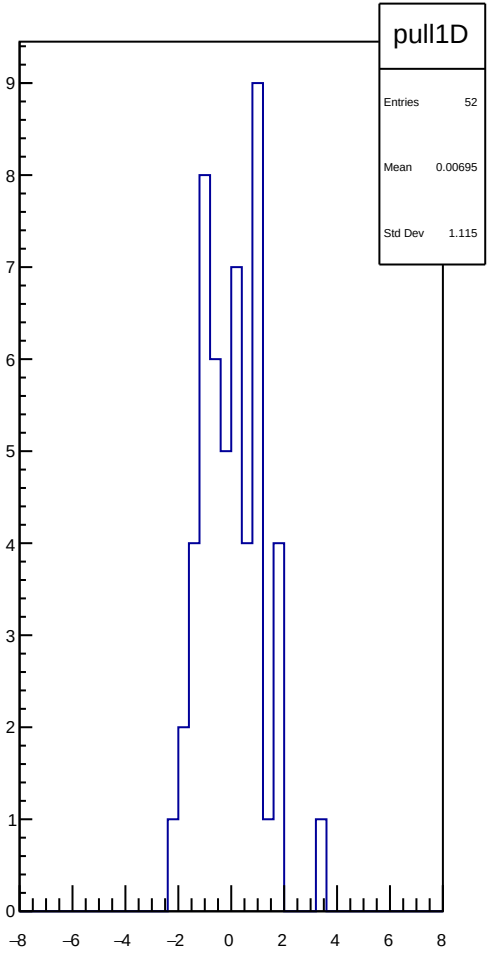

eigen_cor_asym_sam5_rms vs run
χ^2 / ndf 2.741e+04 / 51
p0 86.27 ± 0.08344
140
130
120
110
100
90
80
70
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

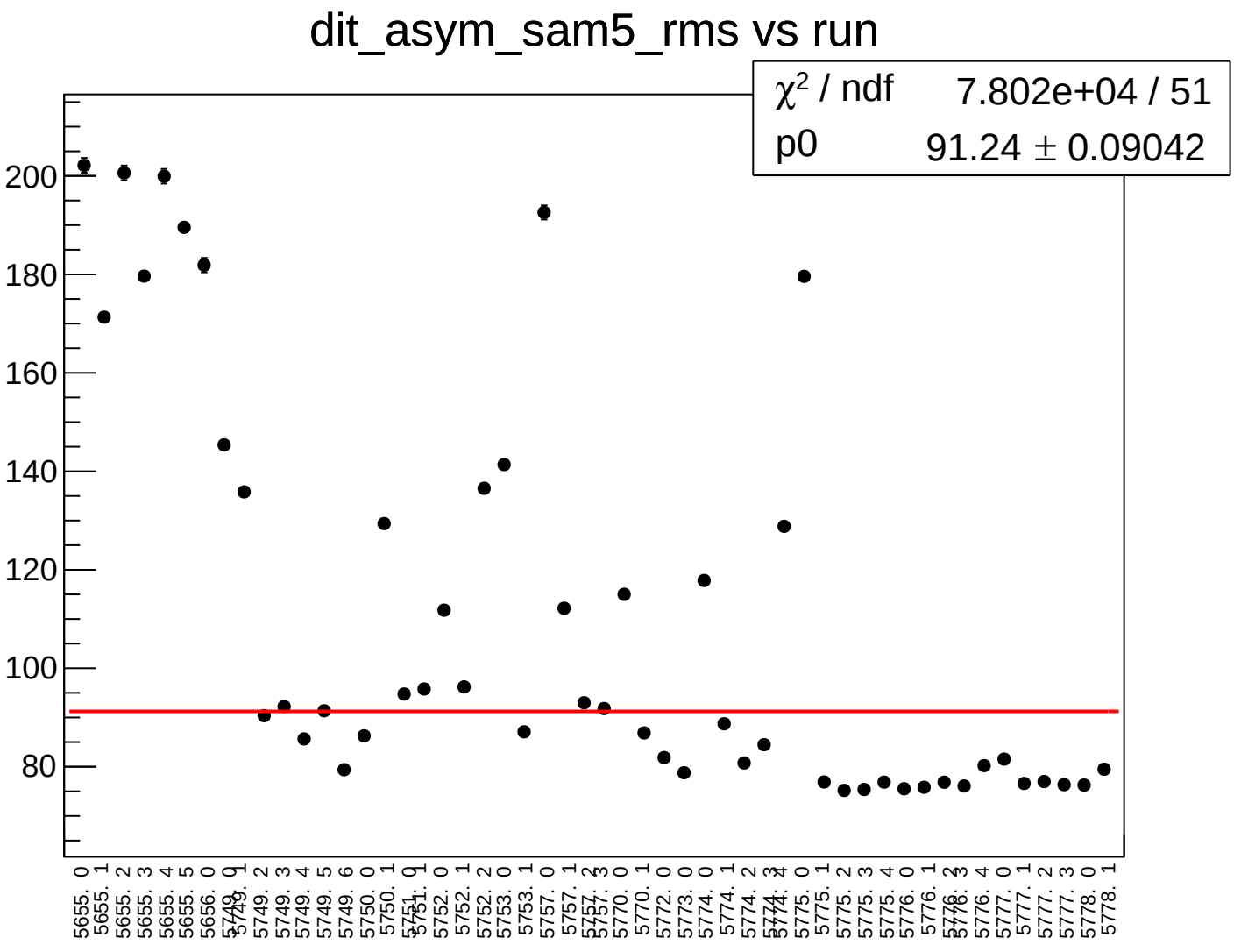

asym_sam5_eigen_cor_correction_mean vs run
χ² / ndf 56.34 / 51
p0 −223.3 ± 782.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean −22.42
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

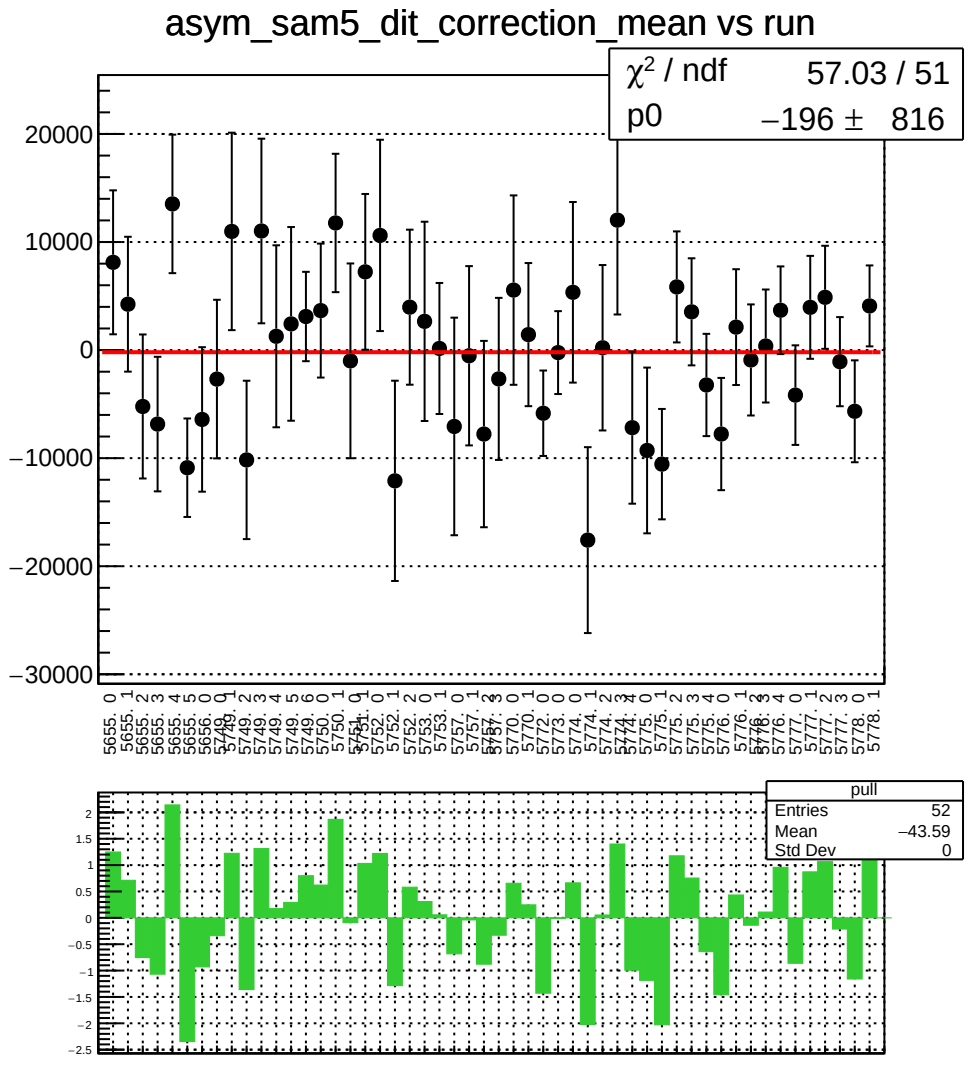

pull1D
Entries 52
Mean 0.02519
Std Dev 1.041
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

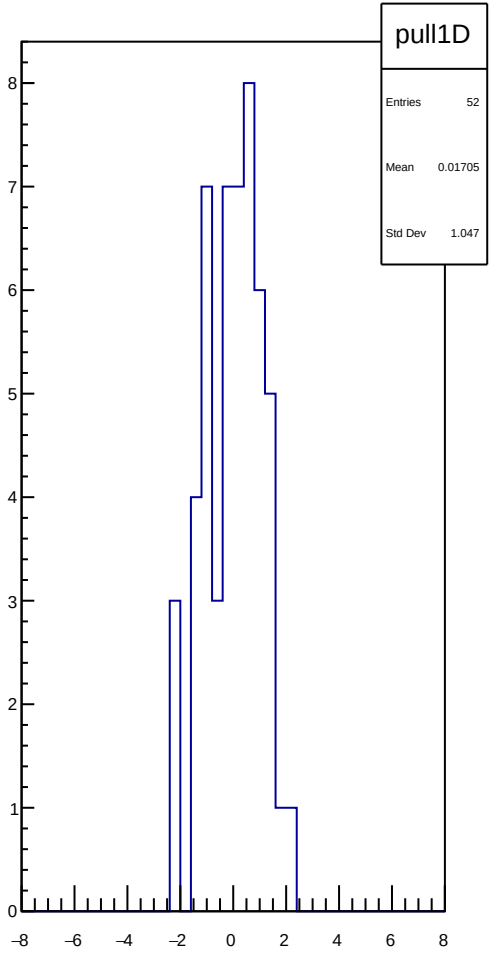

asym_sam5_eigen_cor_correction_rms vs run
χ² / ndf 7.349e+04 / 51
p0 559.4 ± 0.5531
1000
900
800
700
600
500
400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

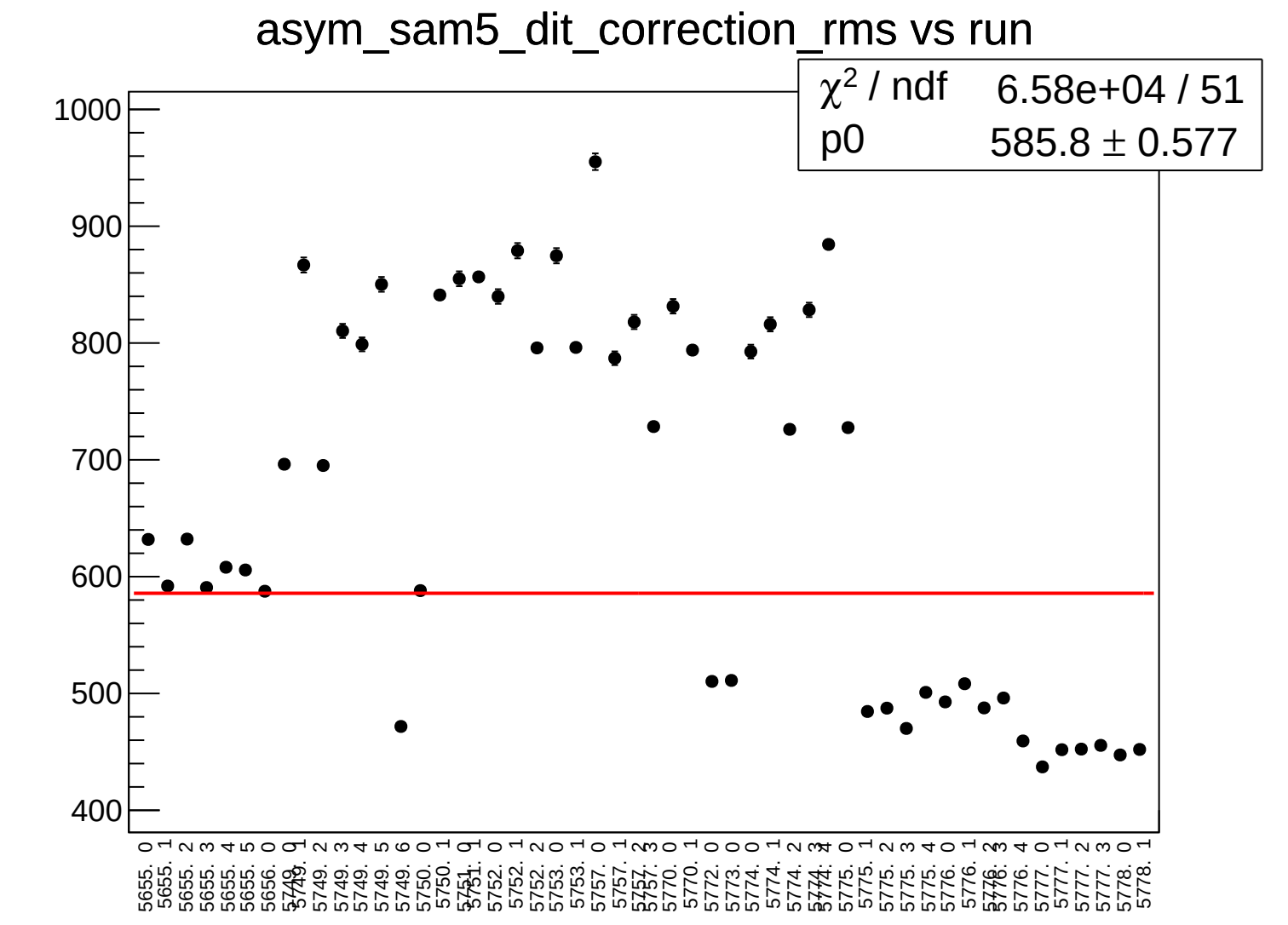

dit_asym_sam5_mean vs run
χ² / ndf 64.68 / 51
p0 −217.1± 127.9
6000
4000
2000
0
−2000
−4000
pull
Entries 52
Mean 436.2
Std Dev 0
3
2
1
0
−1
−2

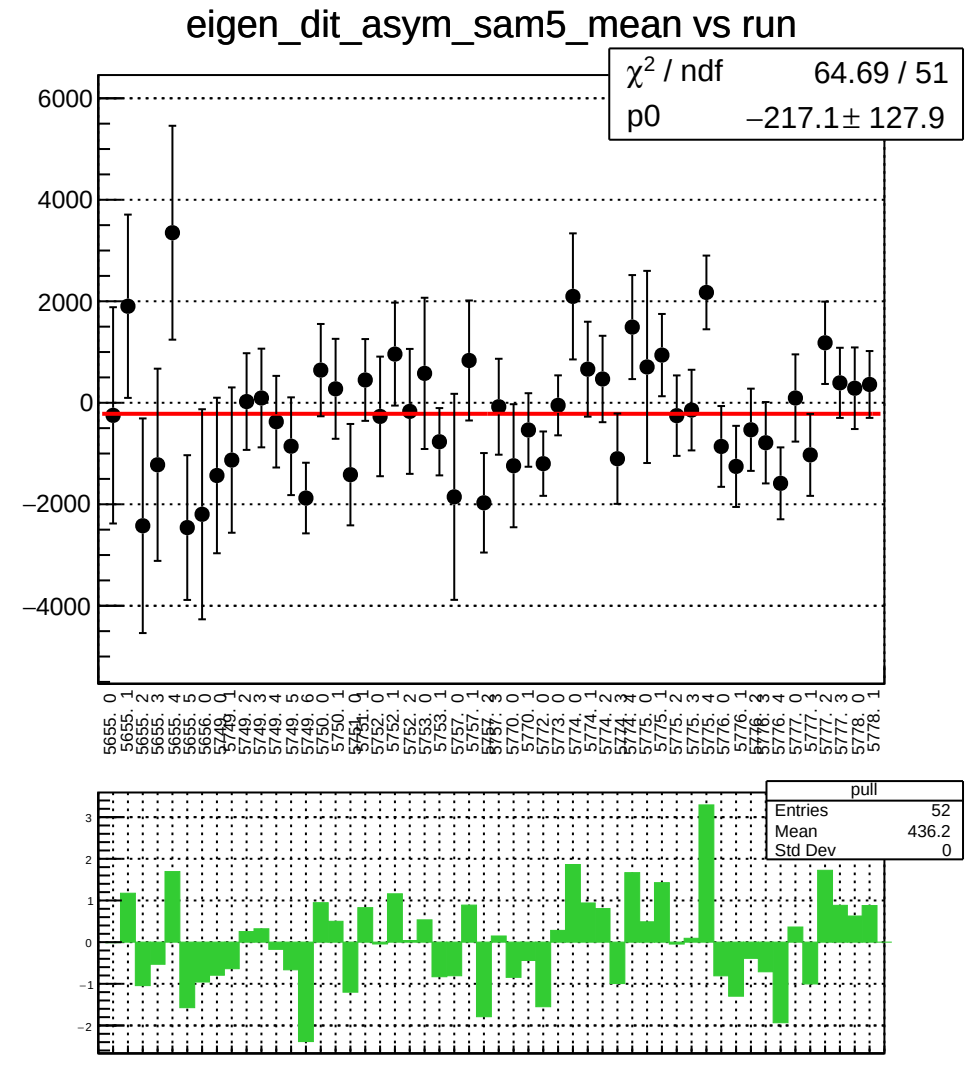

pull1D
Entries 52
Mean 0.00695
Std Dev 1.115
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

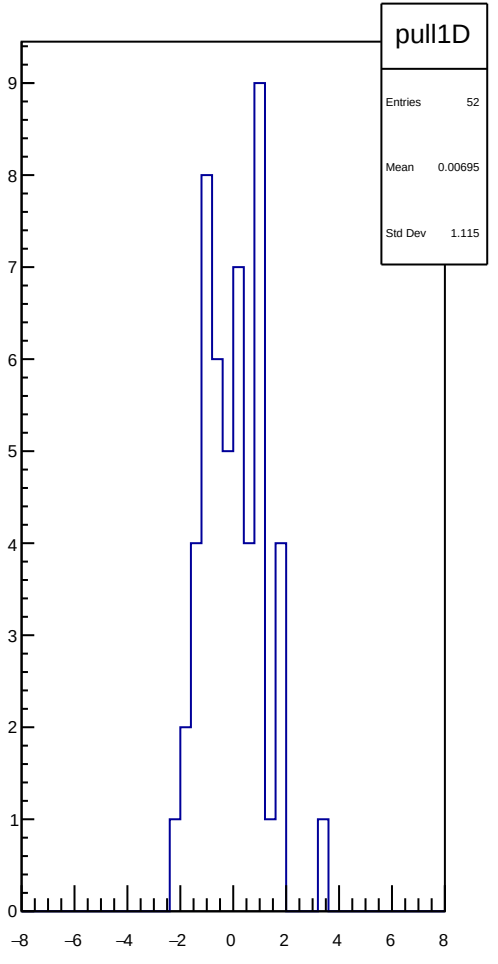

dit_asym_sam5_rms vs run
χ^2 / ndf 7.802e+04 / 51
p0 91.24 ± 0.09042
200
180
160
140
120
100
80
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

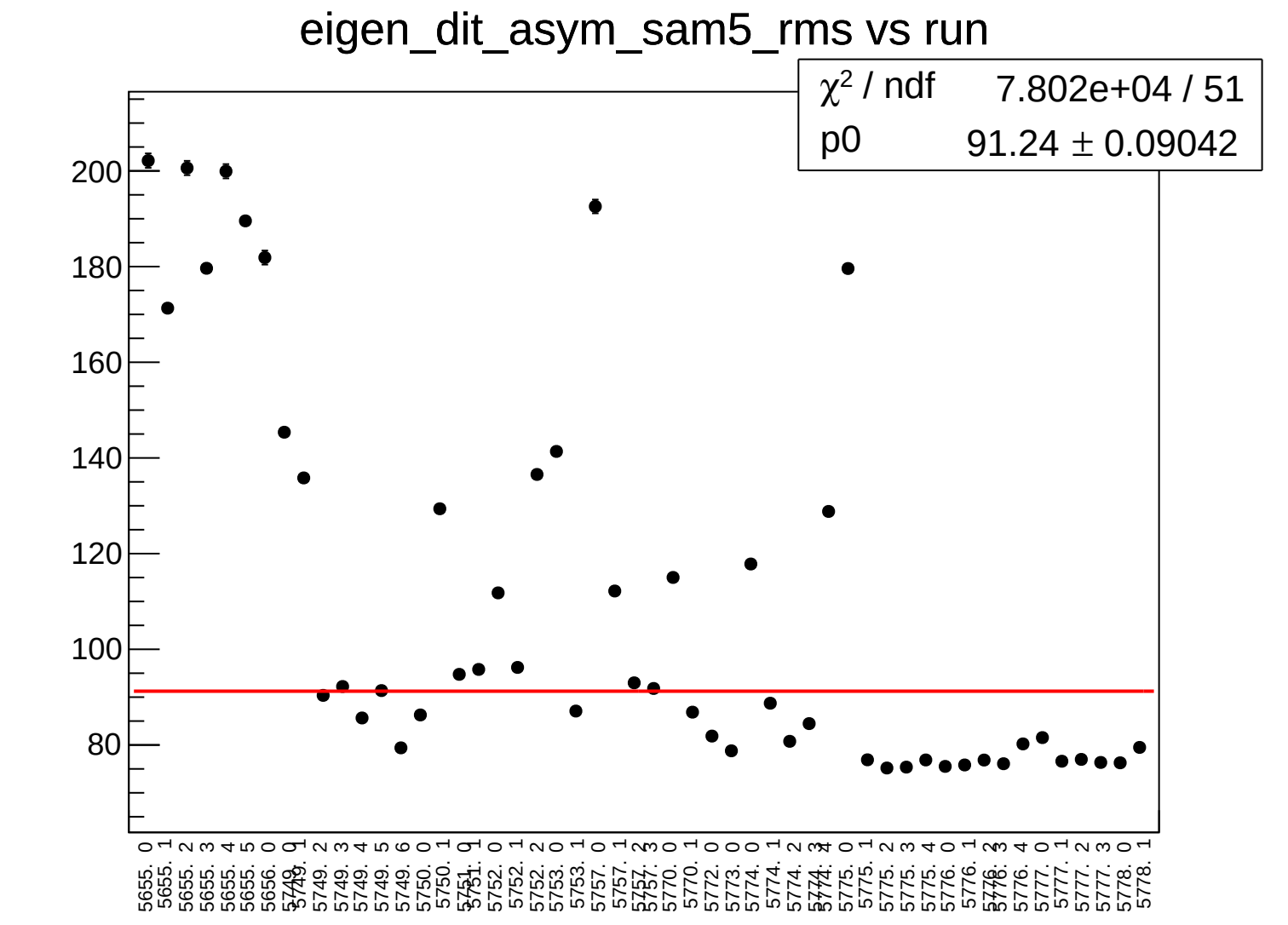

asym_sam5_dit_correction_mean vs run
χ² / ndf 57.03 / 51
p0 −196 ± 816
pull
Entries 52
Mean −43.59
Std Dev 0


pull1D
Entries 52
Mean 0.01705
Std Dev 1.047


asym_sam5_dit_correction_rms vs run
χ² / ndf 6.58e+04 / 51
p0 585.8 ± 0.577
1000
900
800
700
600
500
400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_dit_asym_sam5_mean vs run
χ² / ndf 64.69 / 51
p0 −217.1± 127.9
6000
4000
2000
0
−2000
−4000
pull
Entries 52
Mean 436.2
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.00695
Std Dev 1.115
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
χ^2 / ndf 7.802e+04 / 51
p0 91.24 ± 0.09042
200
180
160
140
120
100
80
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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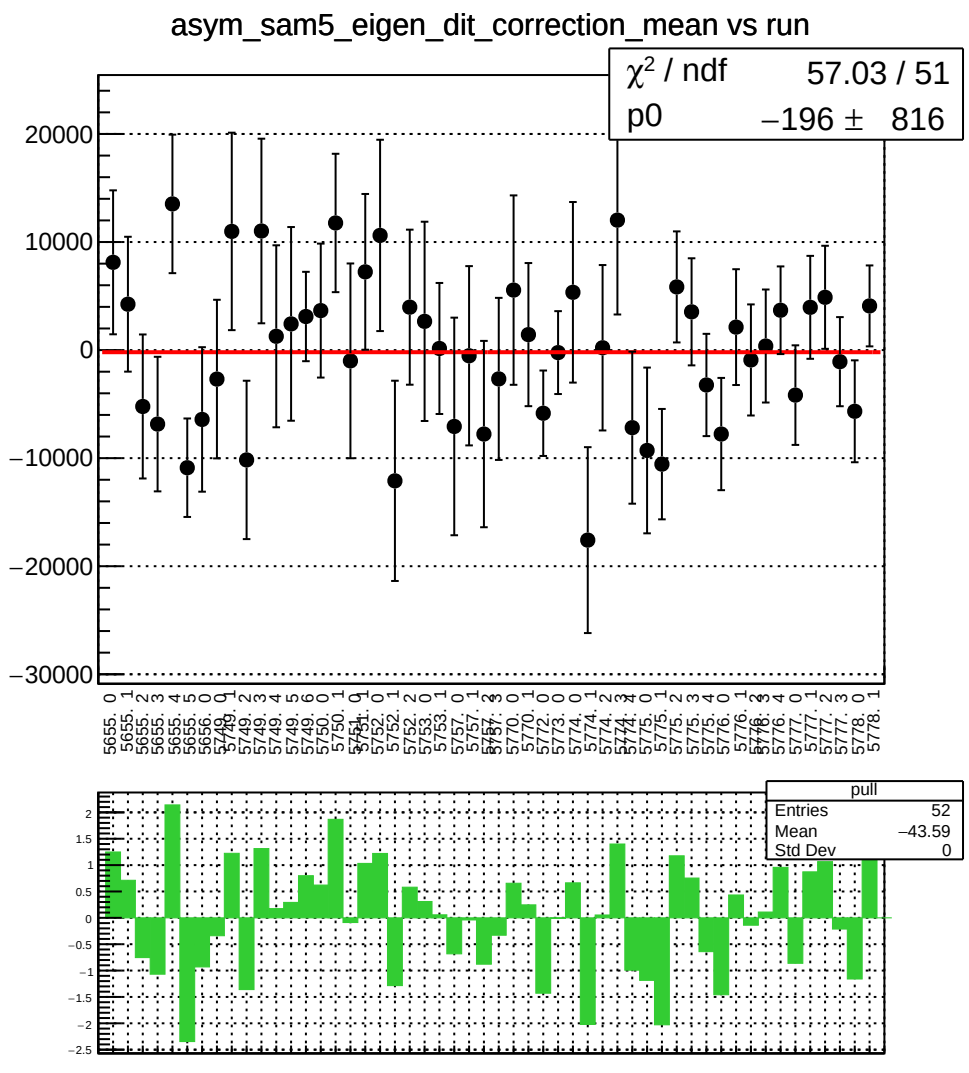
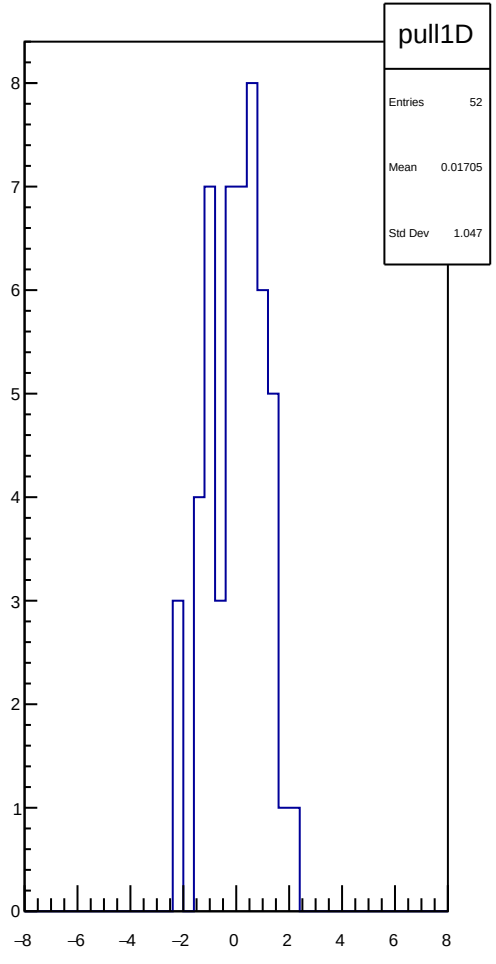
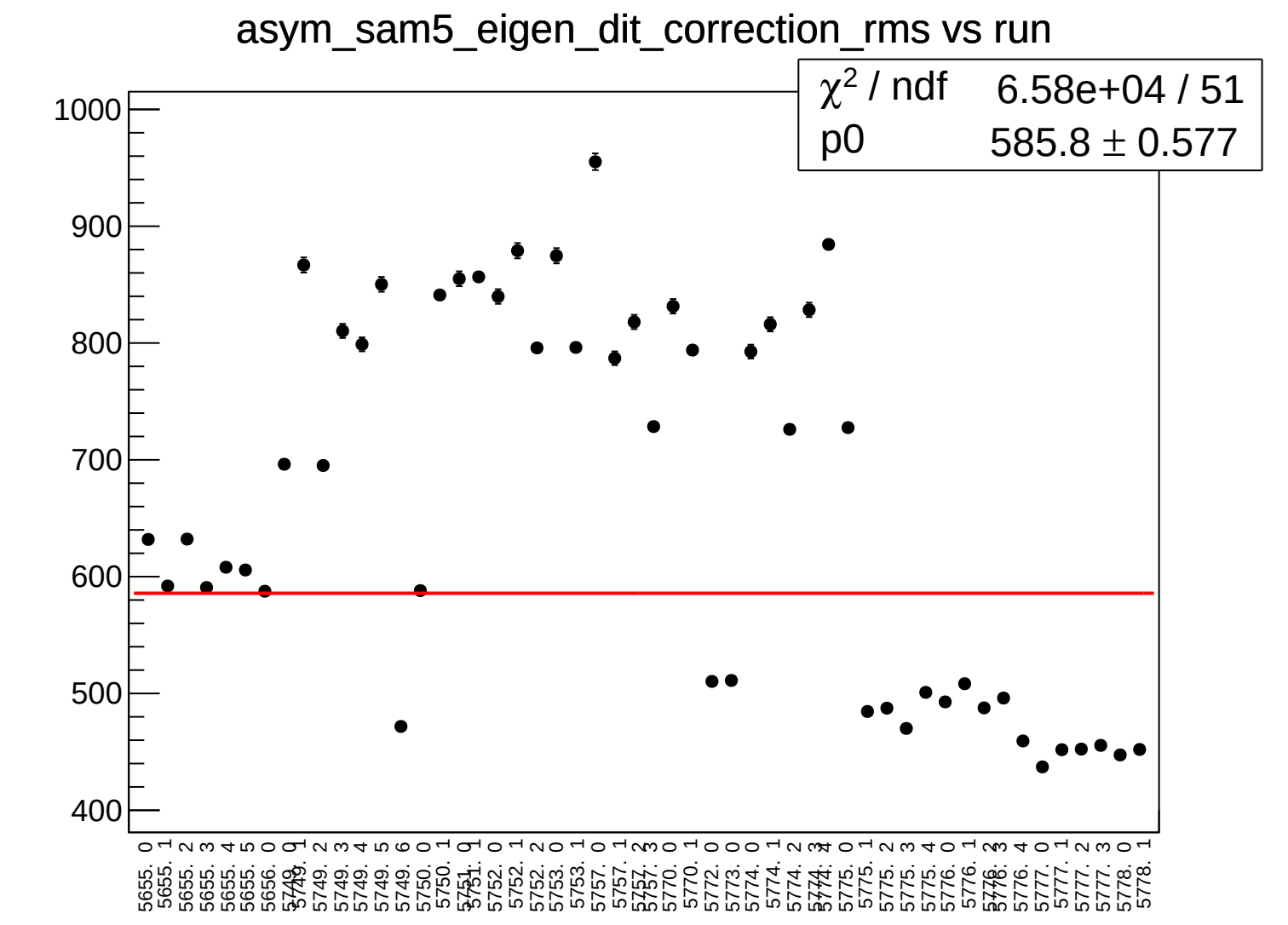
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam5_eigen_dit_correction_mean vs run
χ² / ndf 57.03 / 51
p0 −196 ± 816
pull
Entries 52
Mean −43.59
Std Dev 0


pull1D
Entries 52
Mean 0.01705
Std Dev 1.047


asym_sam5_eigen_dit_correction_rms vs run
χ² / ndf 6.58e+04 / 51
p0 585.8 ± 0.577
1000
900
800
700
600
500
400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5773. 0
5774. 0
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5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 2
5776. 3
5776. 4
5777. 0
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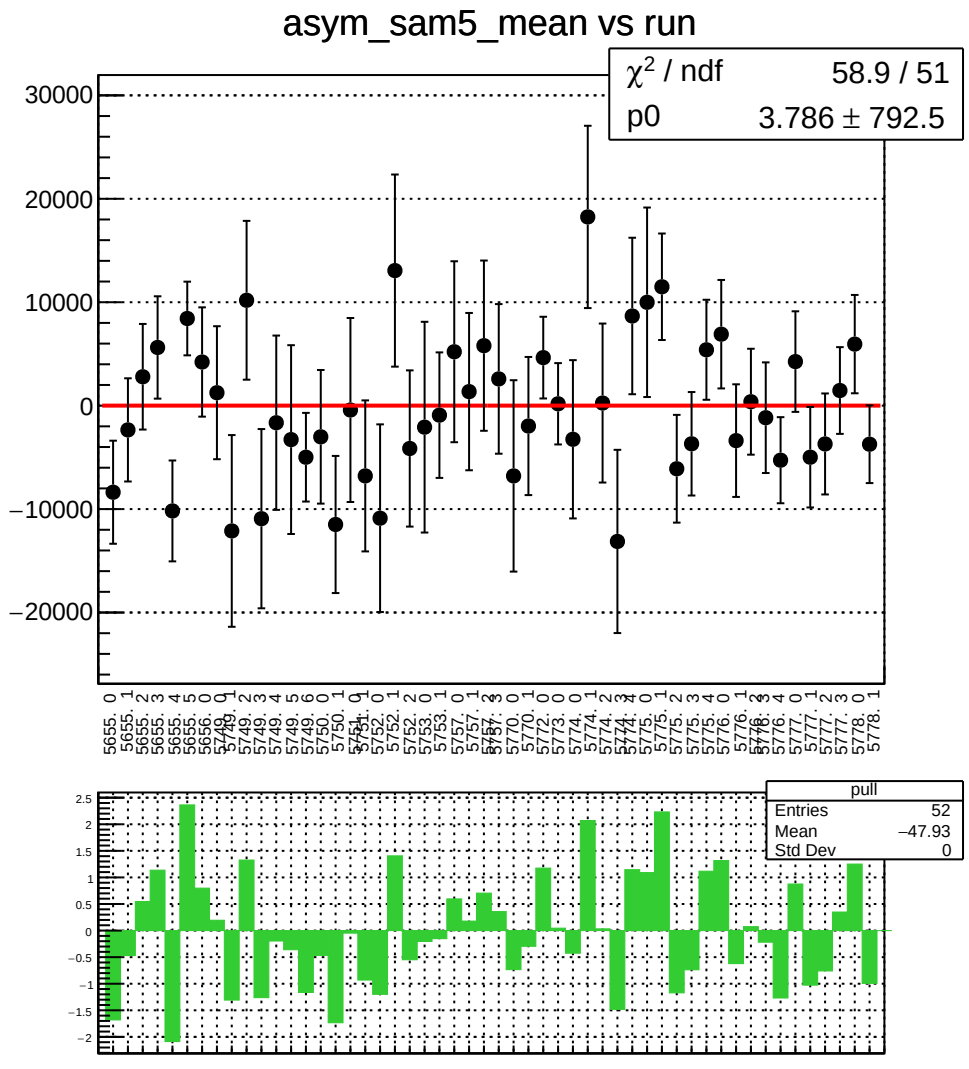
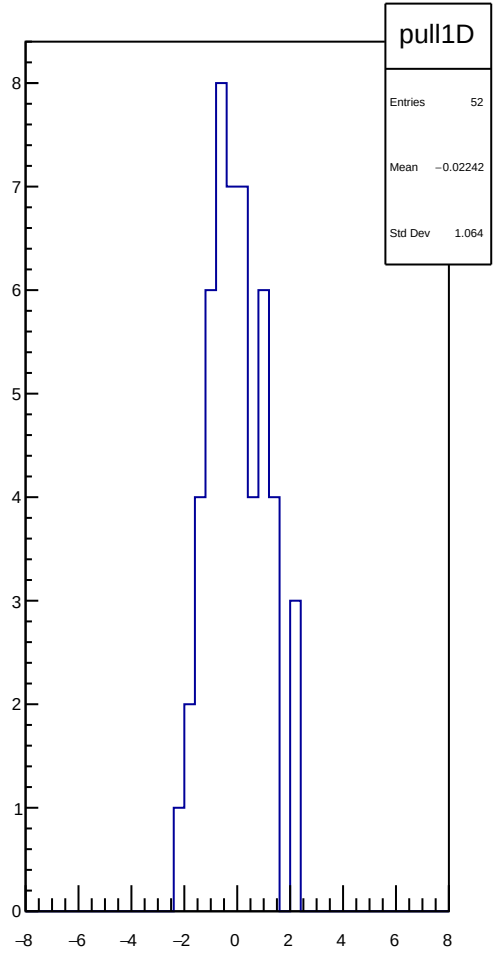
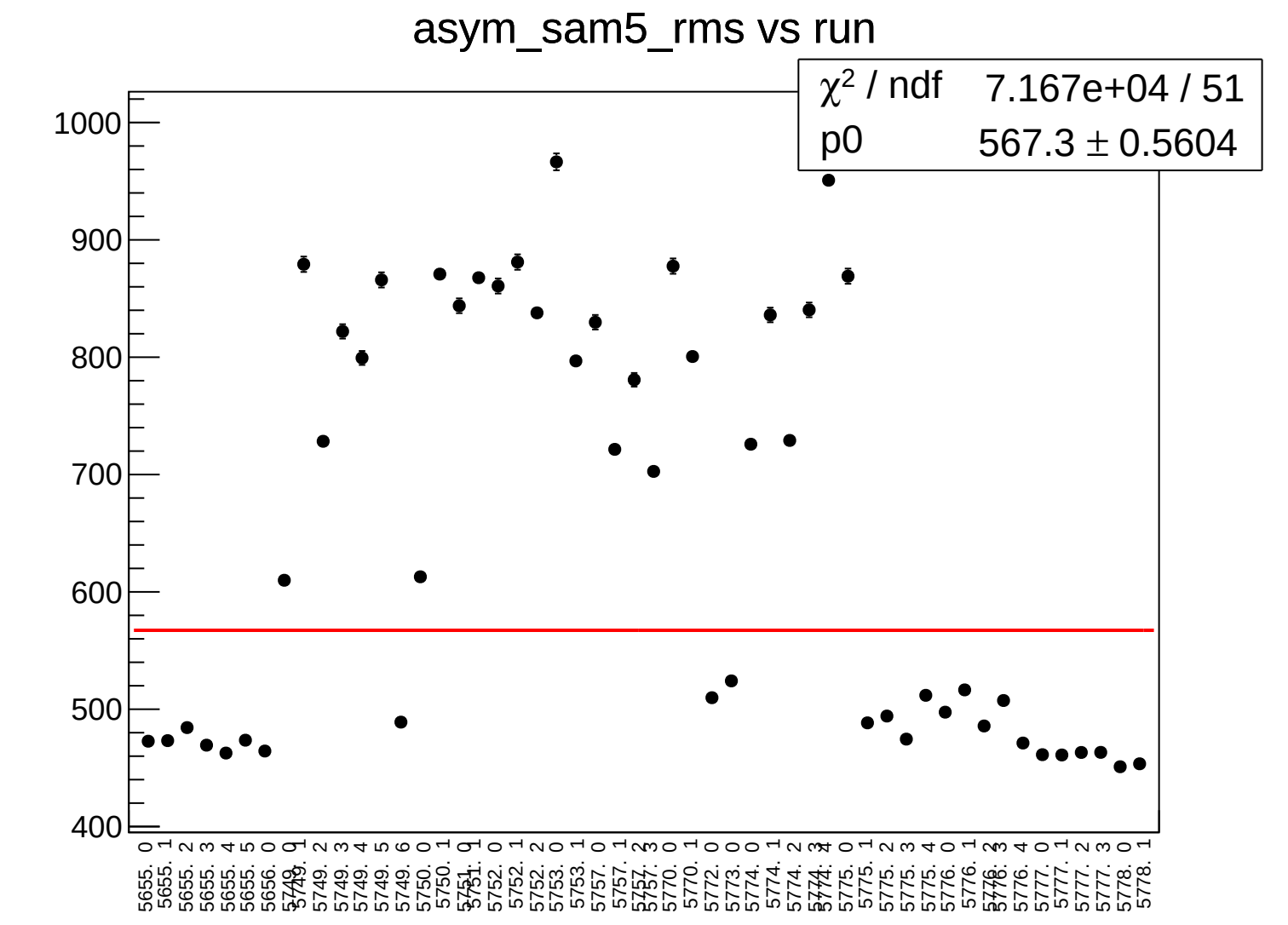
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam5_mean vs run
χ² / ndf 58.9 / 51
p0 3.786 ± 792.5
30000
20000
10000
0
−10000
−20000
pull
Entries 52
Mean −47.93
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean −0.02242
Std Dev 1.064
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam5_rms vs run
χ² / ndf 7.167e+04 / 51
p0 567.3 ± 0.5604
1000
900
800
700
600
500
400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
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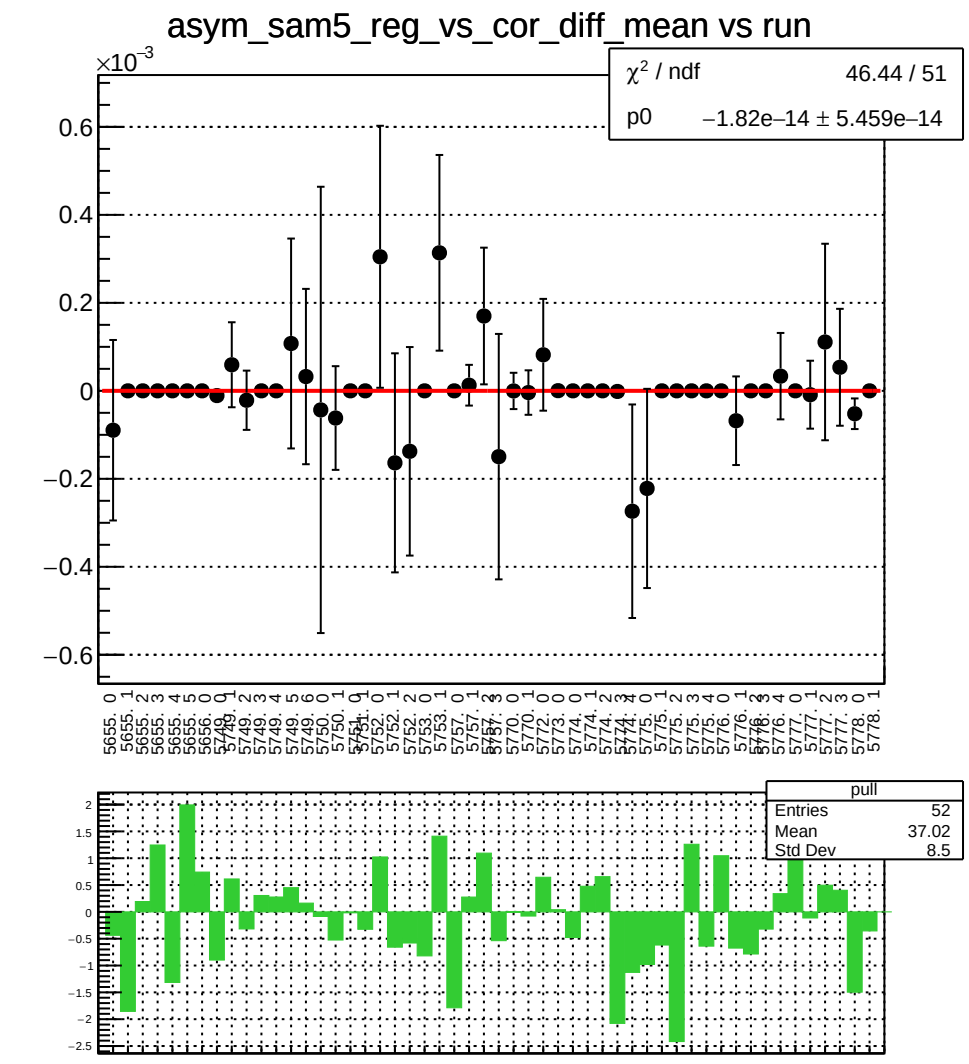
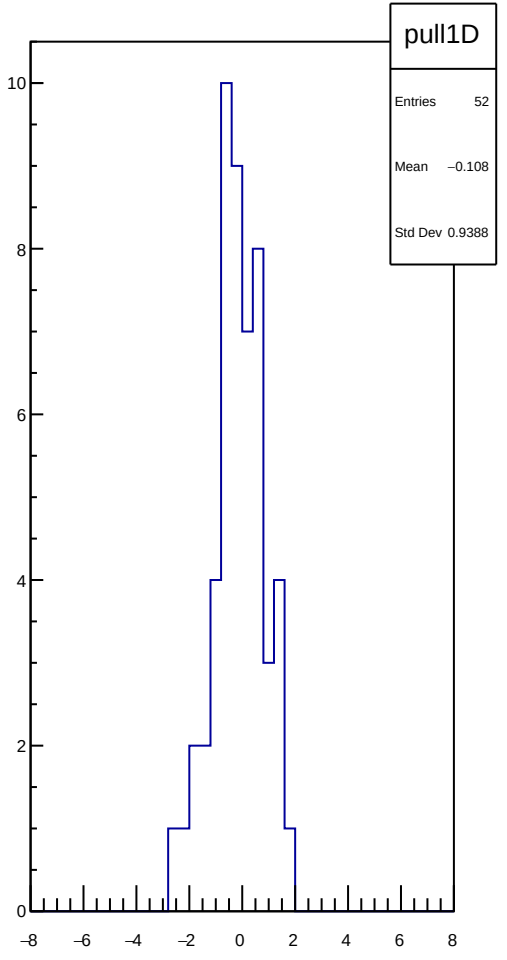
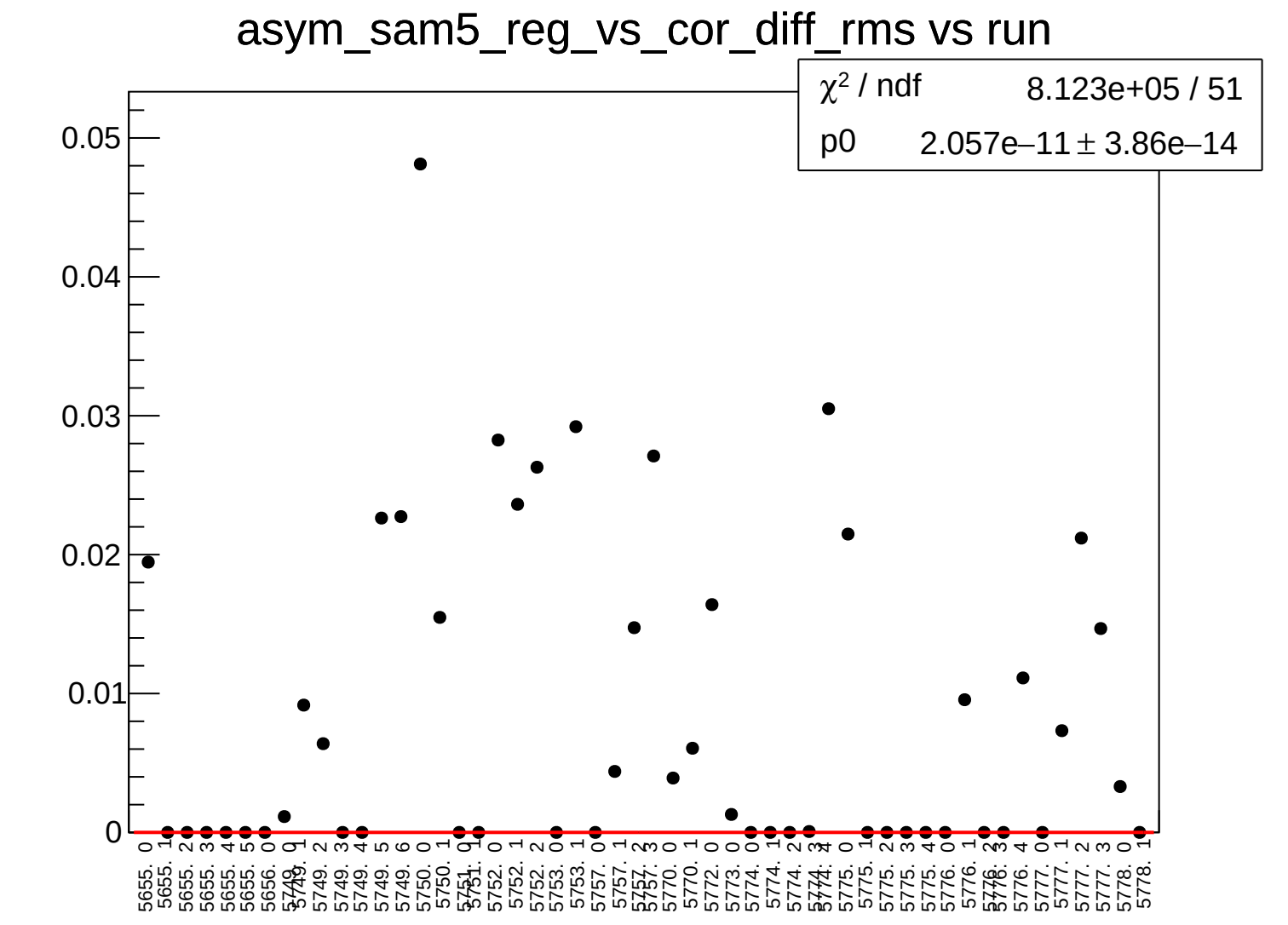
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam5_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 46.44 / 51
p0 −1.82e−14 ± 5.459e−14
pull
Entries 52
Mean 37.02
Std Dev 8.5


pull1D
Entries 52
Mean −0.108
Std Dev 0.9388


asym_sam5_reg_vs_cor_diff_rms vs run
χ² / ndf 8.123e+05 / 51
p0 2.057e−11 ± 3.86e−14
0.05
0.04
0.03
0.02
0.01
0
5655. 0
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5655. 5
5656. 0
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5749. 3
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5749. 6
5750. 0
5750. 1
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5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
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5774. 1
5774. 2
5774. 3
5774. 4
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5775. 2
5775. 3
5775. 4
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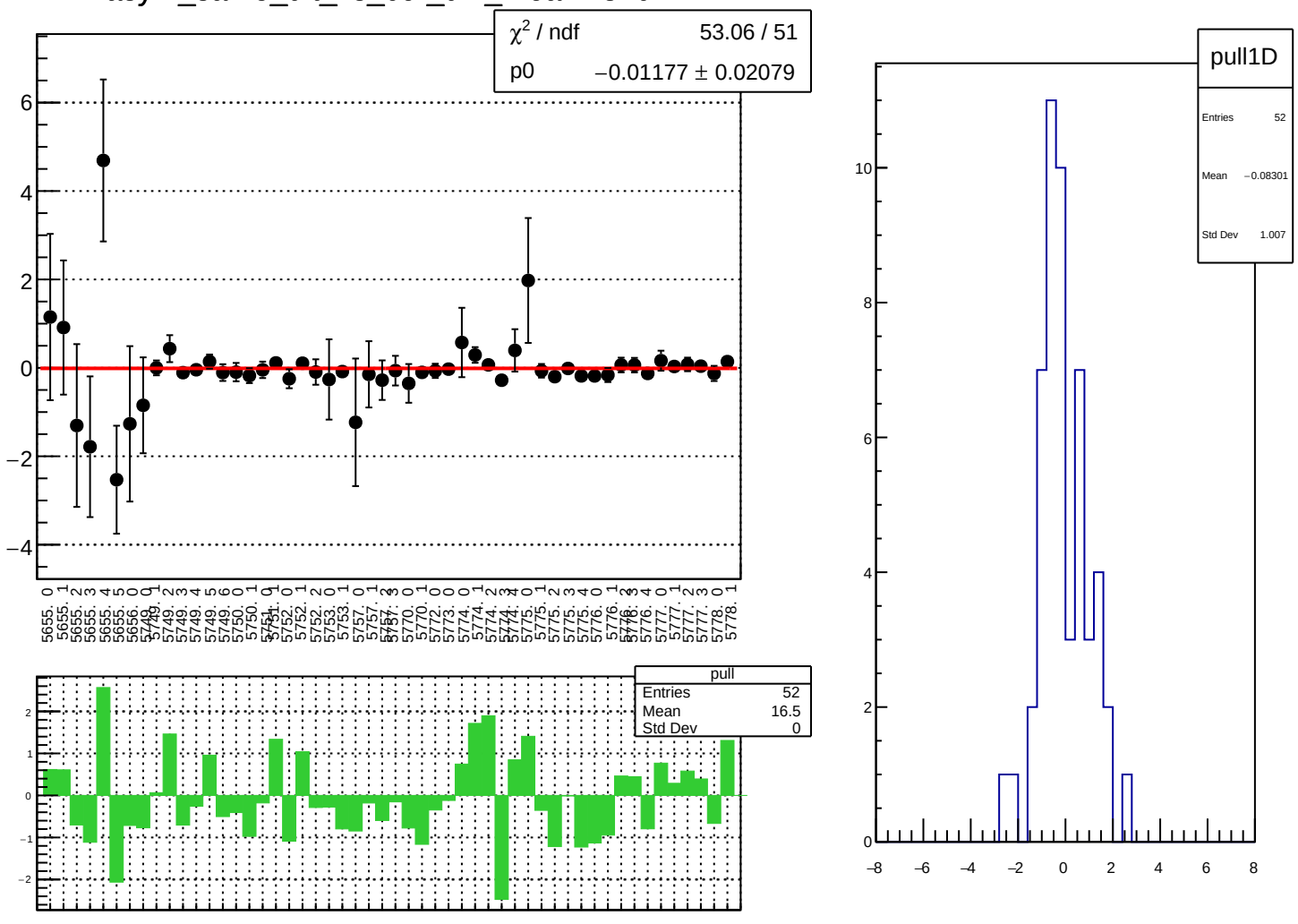
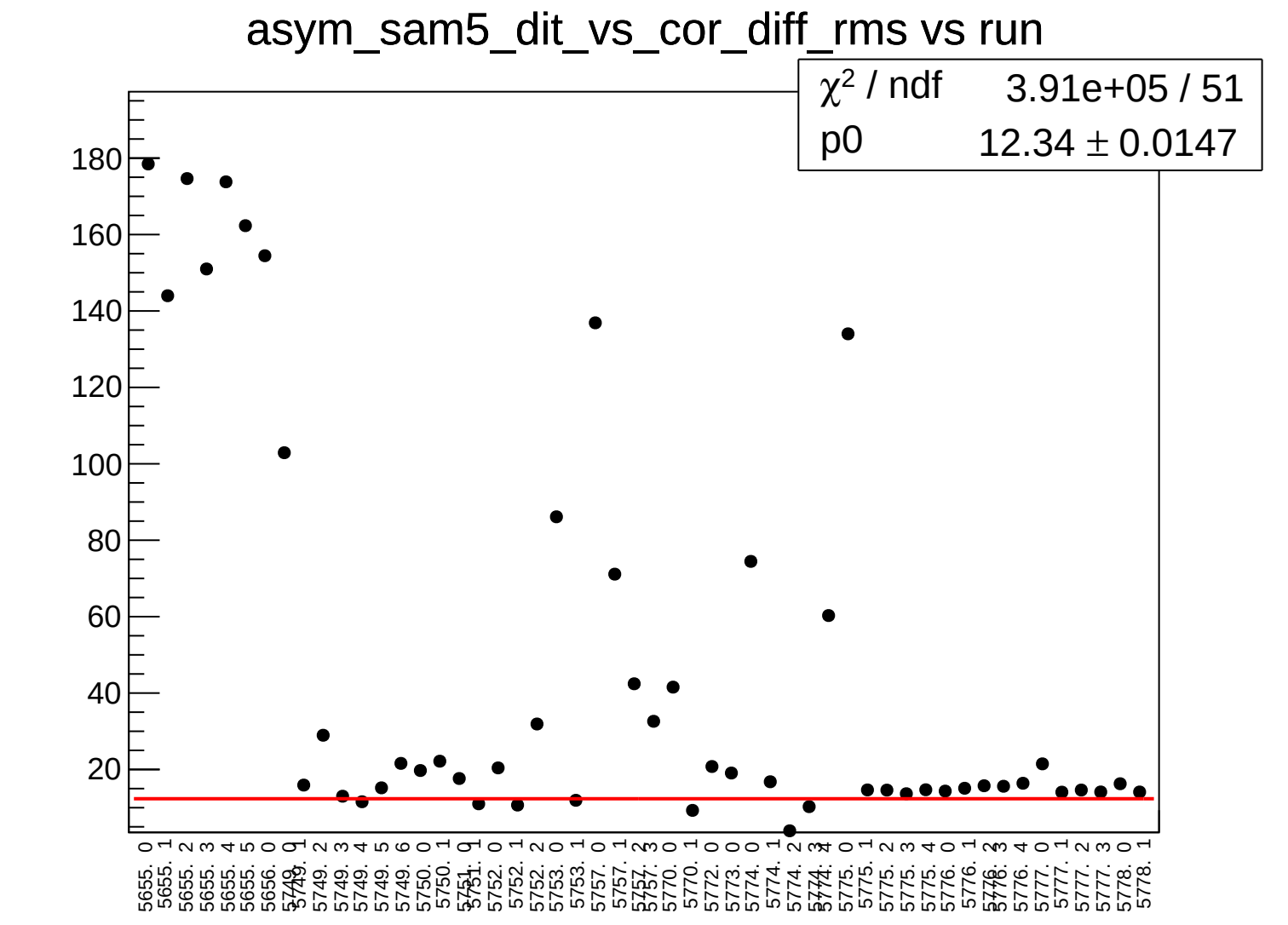
5778. 1


asym_sam5_dit_vs_cor_diff_mean vs run
χ² / ndf 53.06 / 51
p0 −0.01177 ± 0.02079
pull
Entries 52
Mean 16.5
Std Dev 0
pull1D
Entries 52
Mean −0.08301
Std Dev 1.007


asym_sam5_dit_vs_cor_diff_rms vs run
χ² / ndf 3.91e+05 / 51
p0 12.34 ± 0.0147
180
160
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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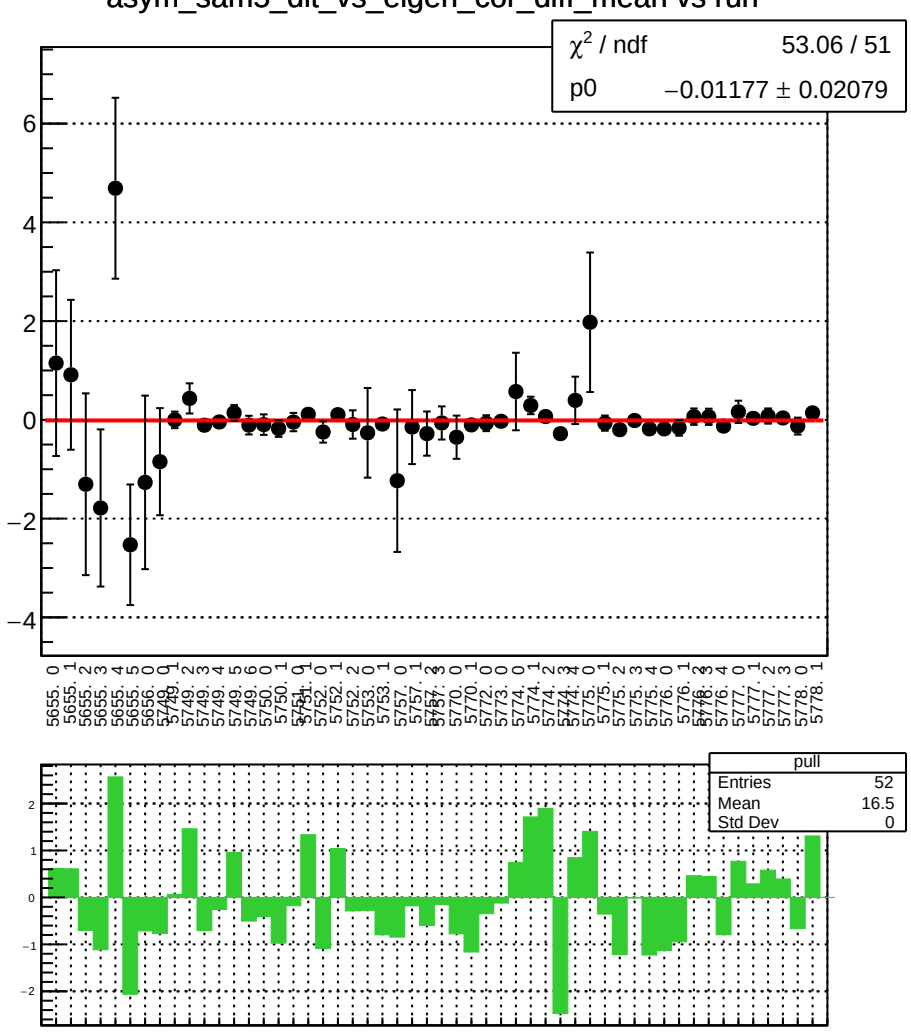
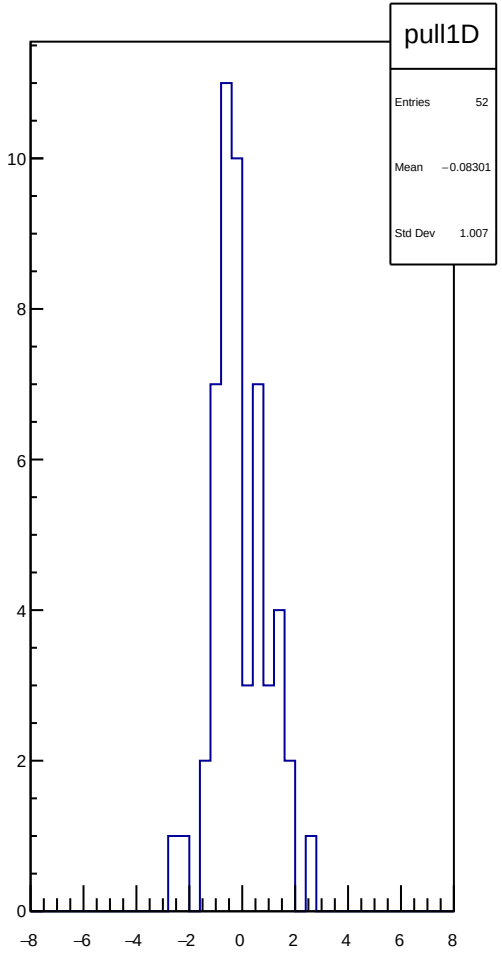
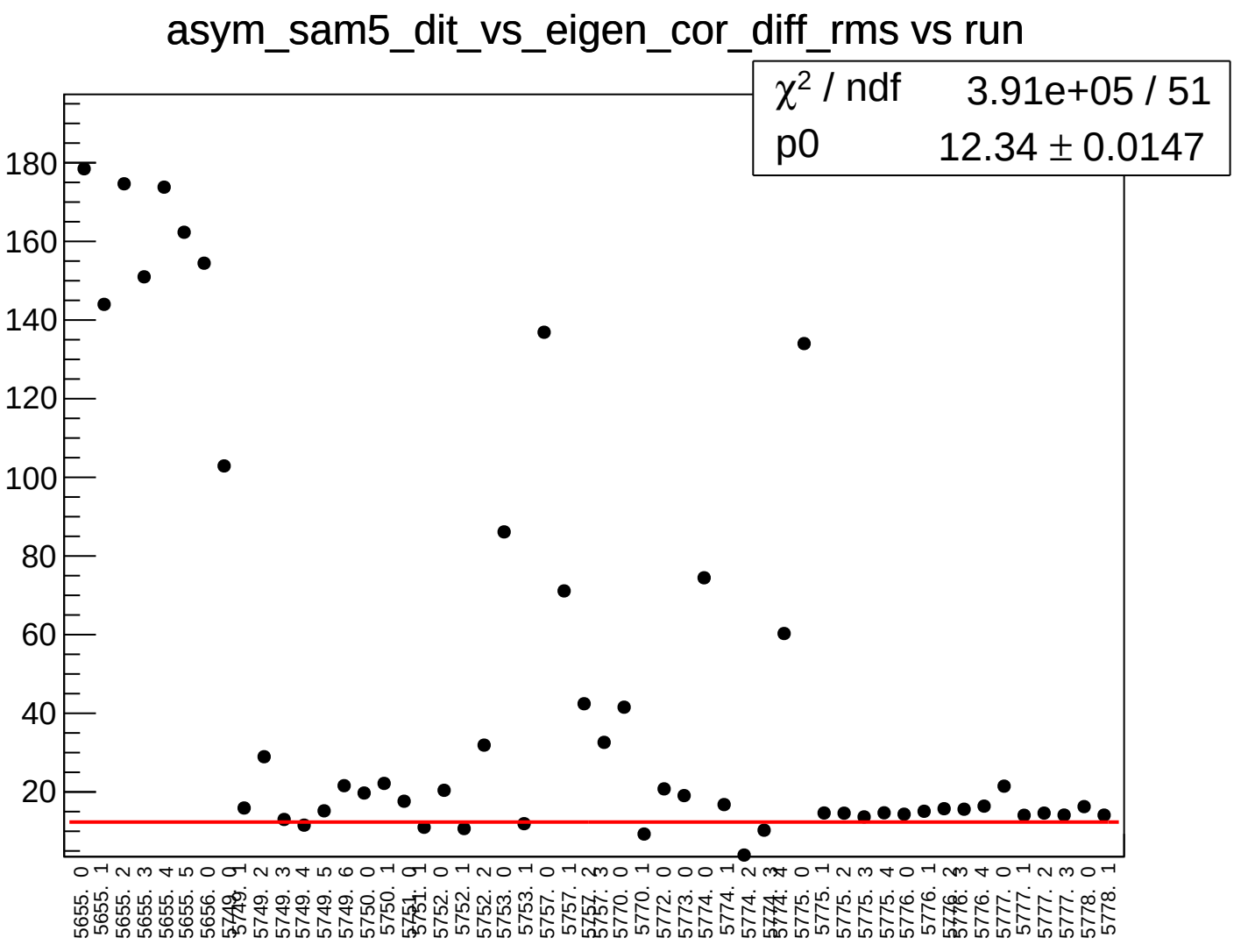
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam5_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.06 / 51
p0 −0.01177 ± 0.02079
pull
Entries 52
Mean 16.5
Std Dev 0


pull1D
Entries 52
Mean −0.08301
Std Dev 1.007


asym_sam5_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.91e+05 / 51
p0 12.34 ± 0.0147
180
160
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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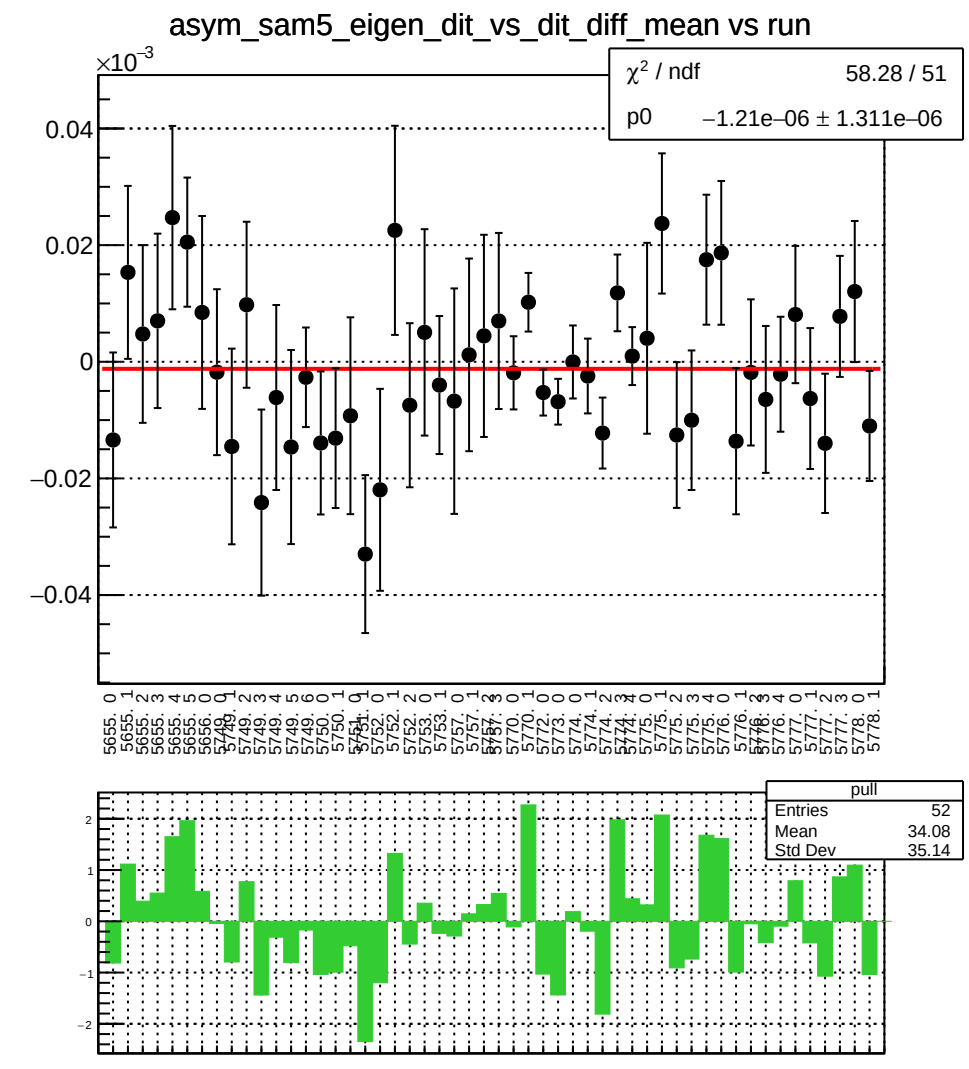
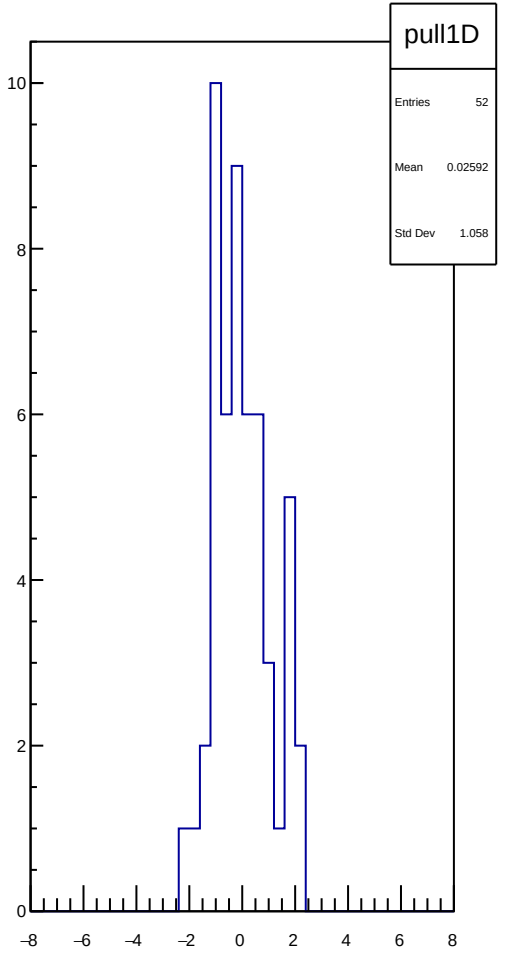
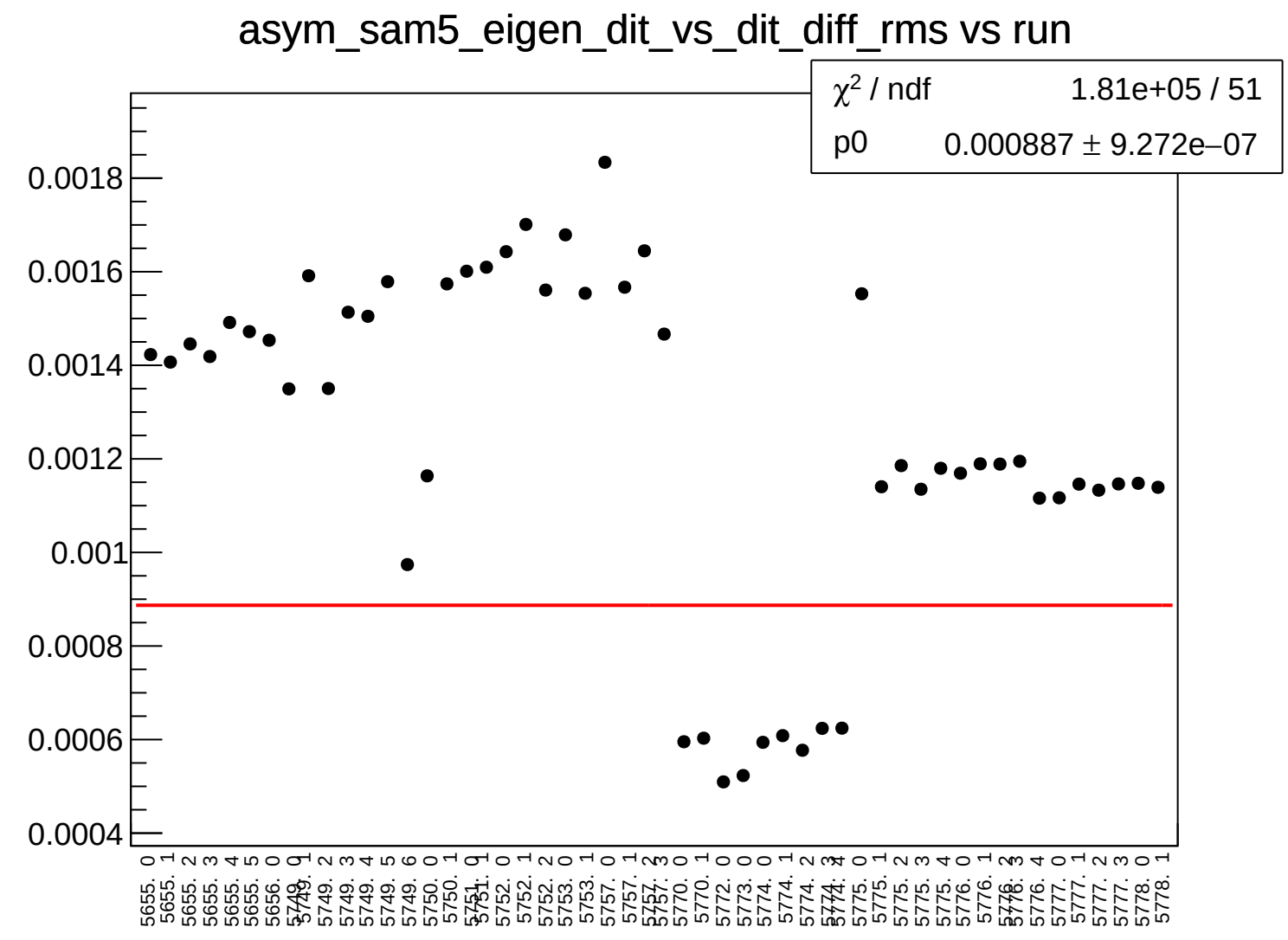
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam5_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 58.28 / 51
p0 −1.21e−06 ± 1.311e−06
0.04
0.02
0
−0.02
−0.04
pull
Entries 52
Mean 34.08
Std Dev 35.14
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.02592
Std Dev 1.058
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam5_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.81e+05 / 51
p0 0.000887 ± 9.272e−07
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
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5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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5752. 1
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5753. 1
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5776. 3
5776. 4
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5777. 2
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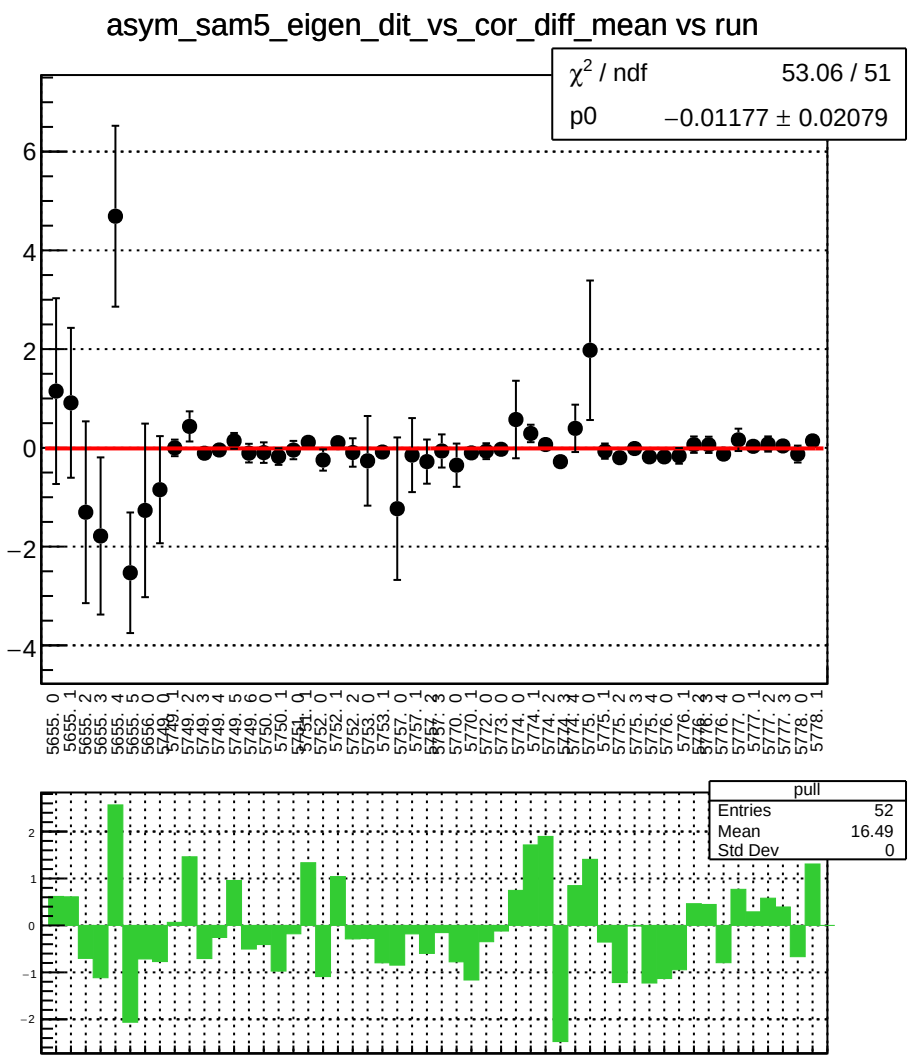
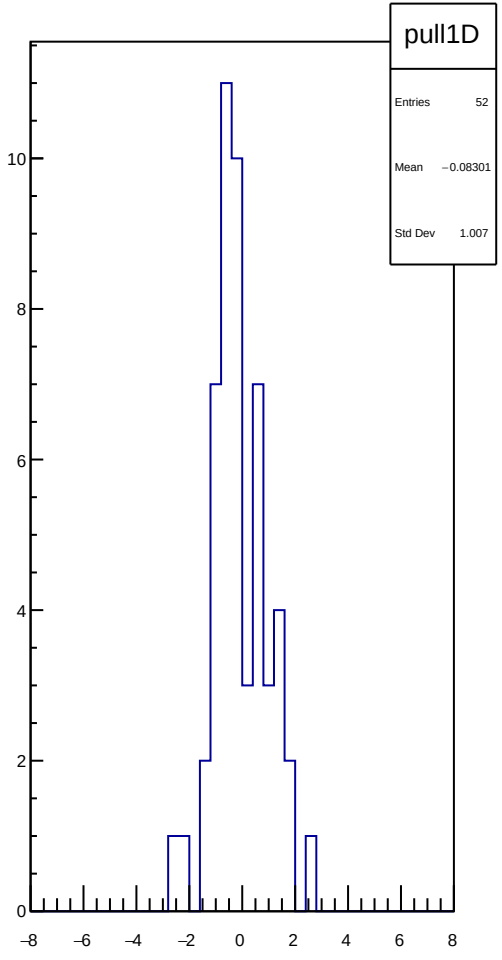
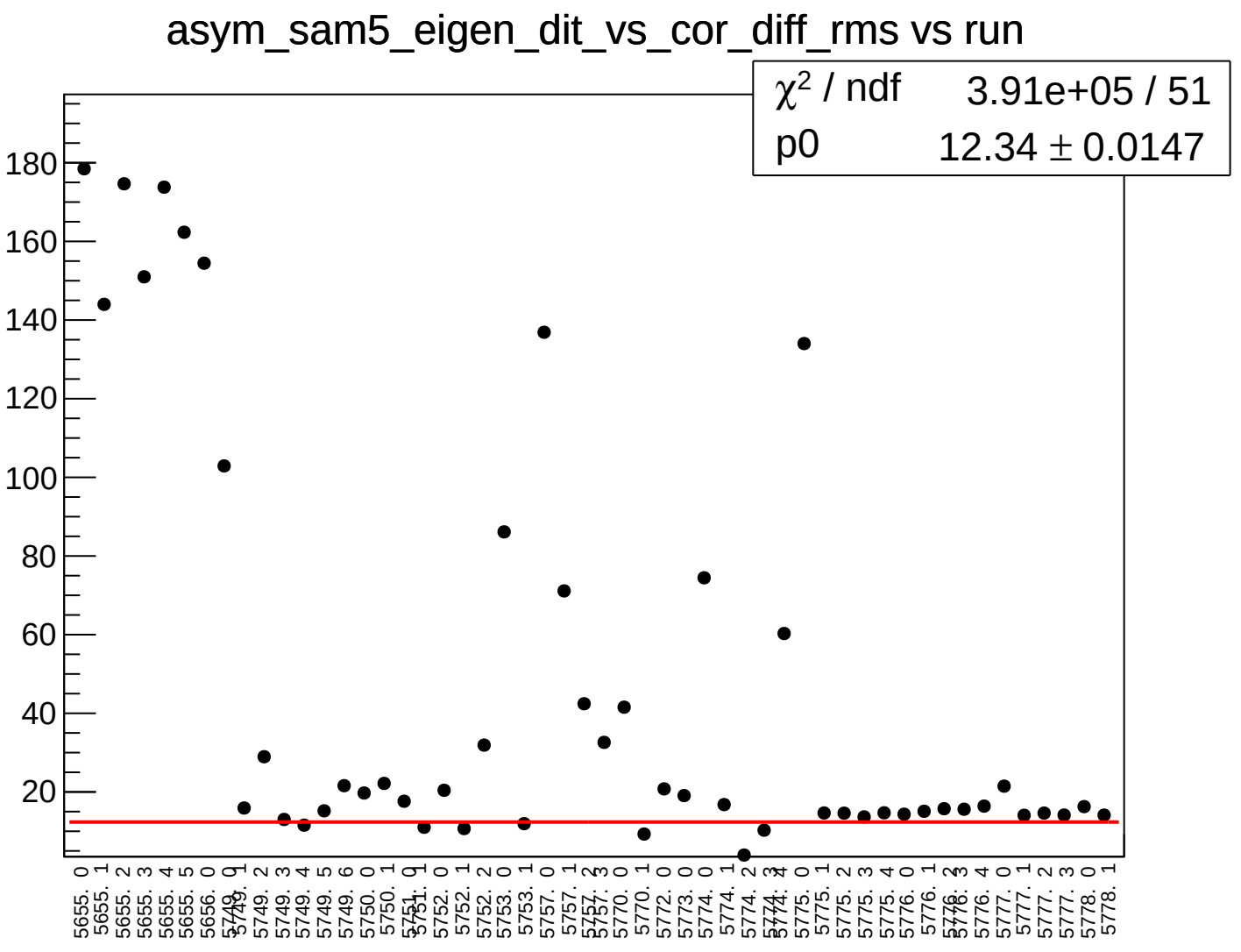
5778. 0
5778. 1


asym_sam5_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.06 / 51
p0 −0.01177 ± 0.02079
pull
Entries 52
Mean 16.49
Std Dev 0


pull1D
Entries 52
Mean −0.08301
Std Dev 1.007


asym_sam5_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.91e+05 / 51
p0 12.34 ± 0.0147
180
160
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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5753. 0
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5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
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5774. 4
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5775. 4
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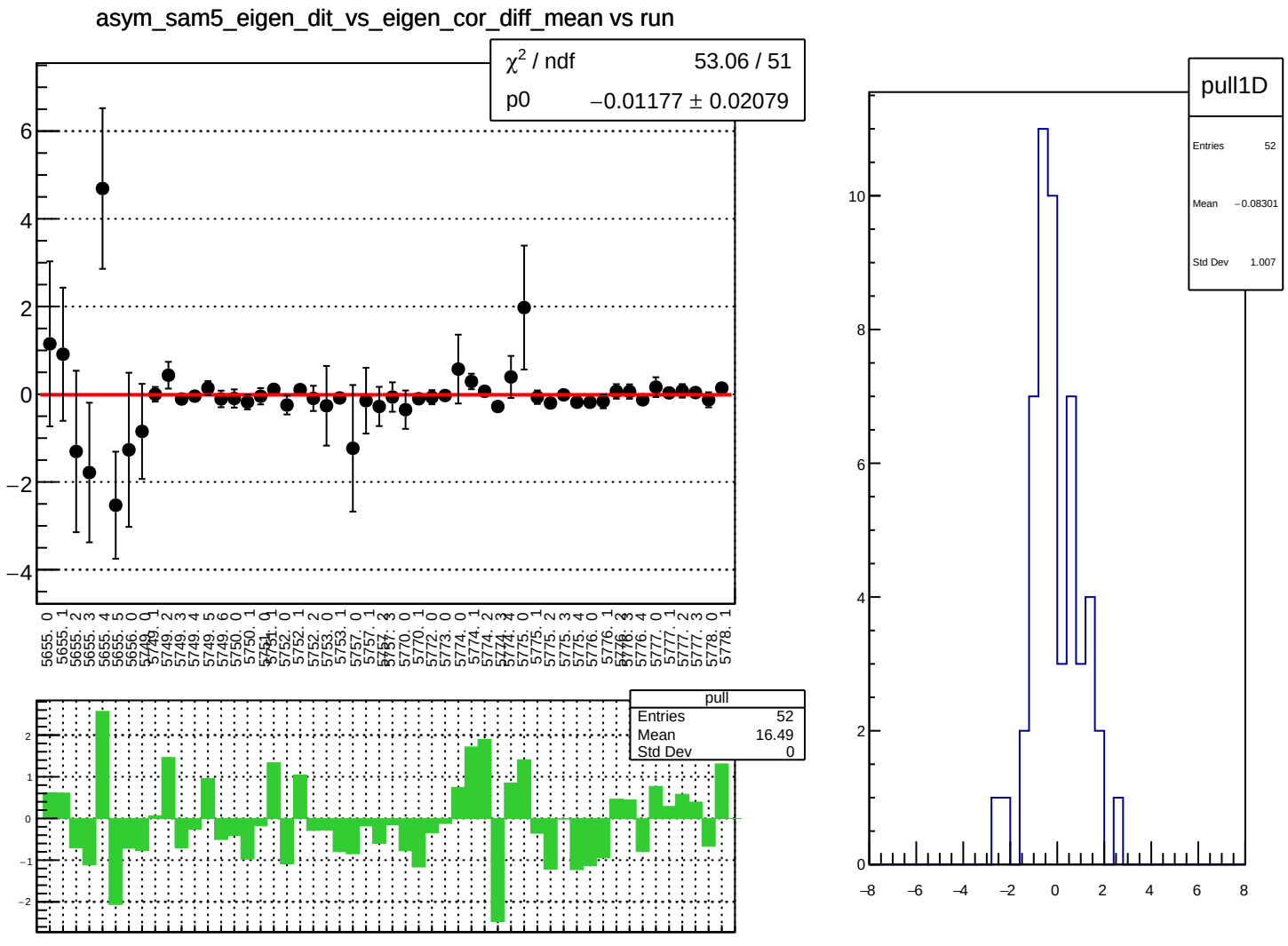
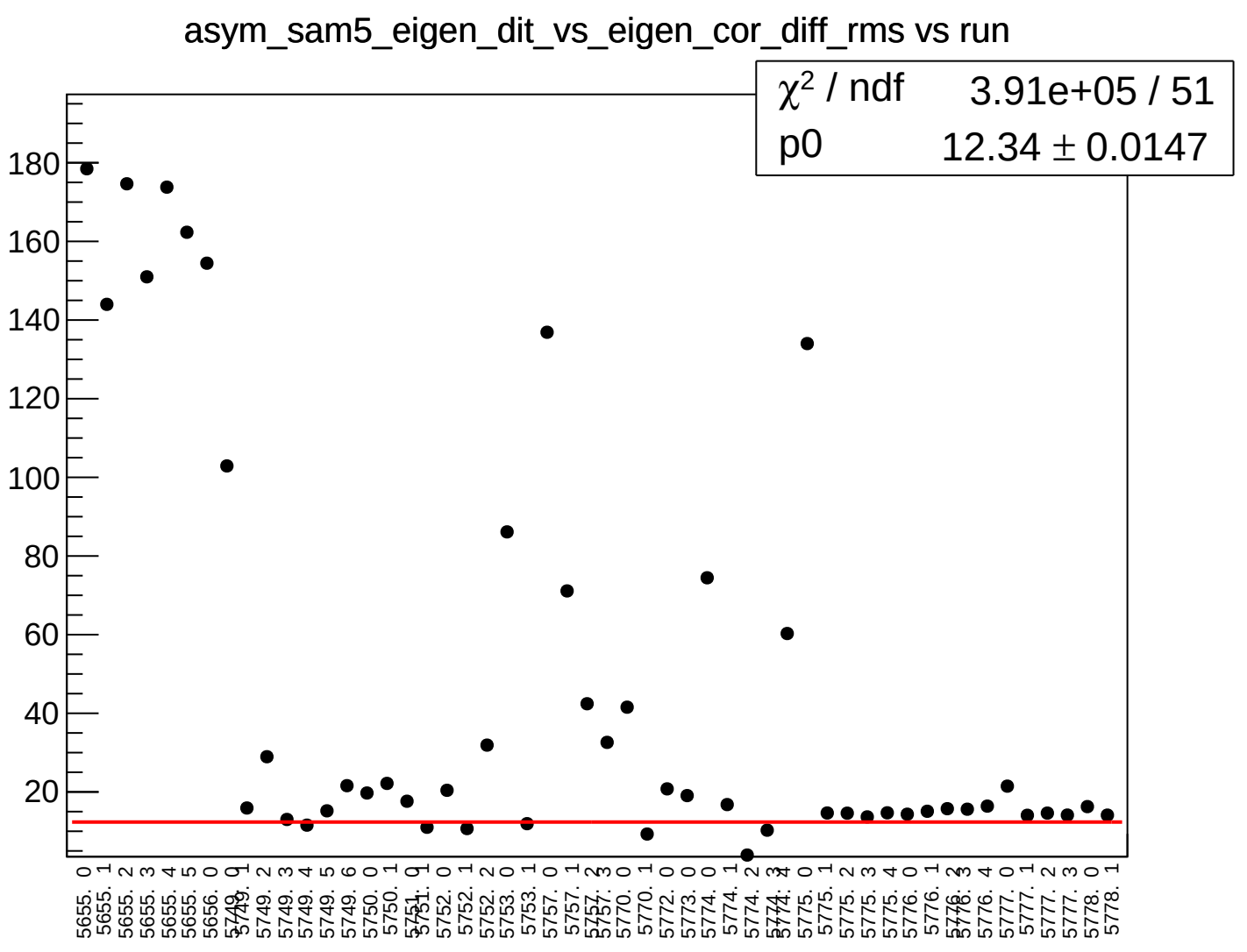
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.06 / 51
p0 −0.01177 ± 0.02079
pull
Entries 52
Mean 16.49
Std Dev 0
pull1D
Entries 52
Mean −0.08301
Std Dev 1.007


asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.91e+05 / 51
p0 12.34 ± 0.0147
180
160
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
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5753. 1
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5757. 1
5757. 2
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5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
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5777. 2
5777. 3
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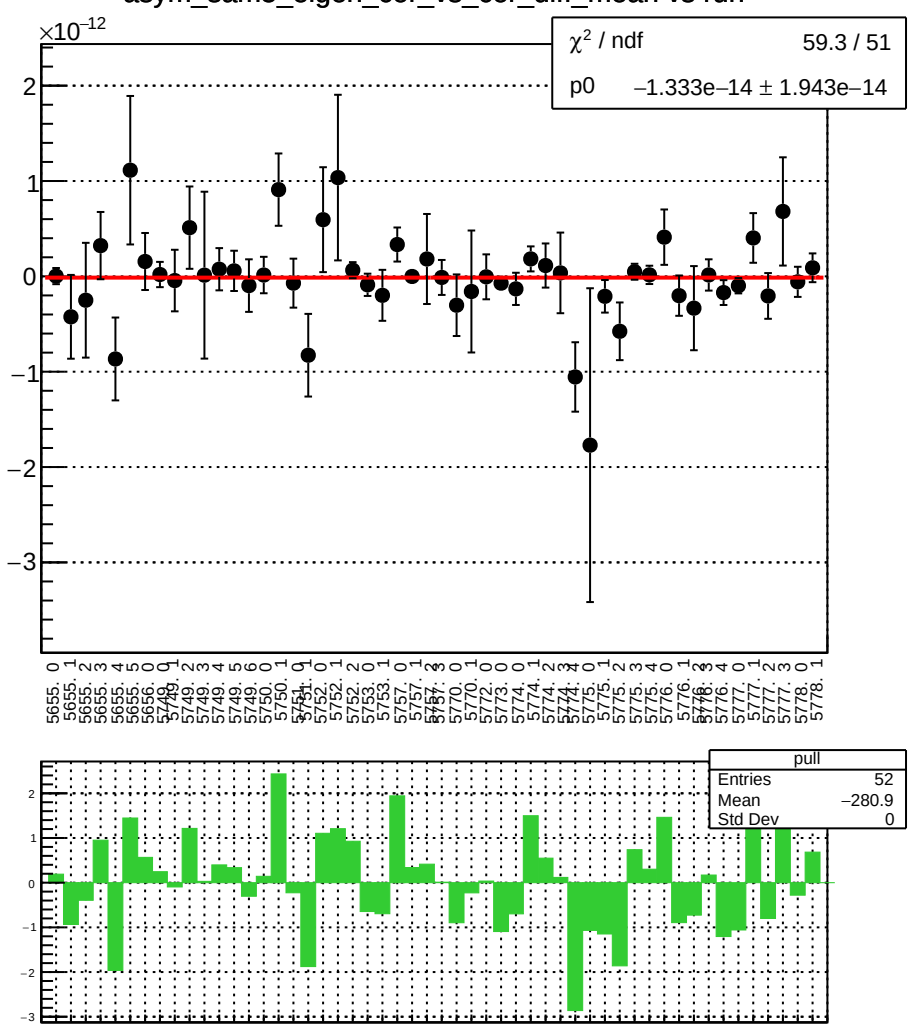
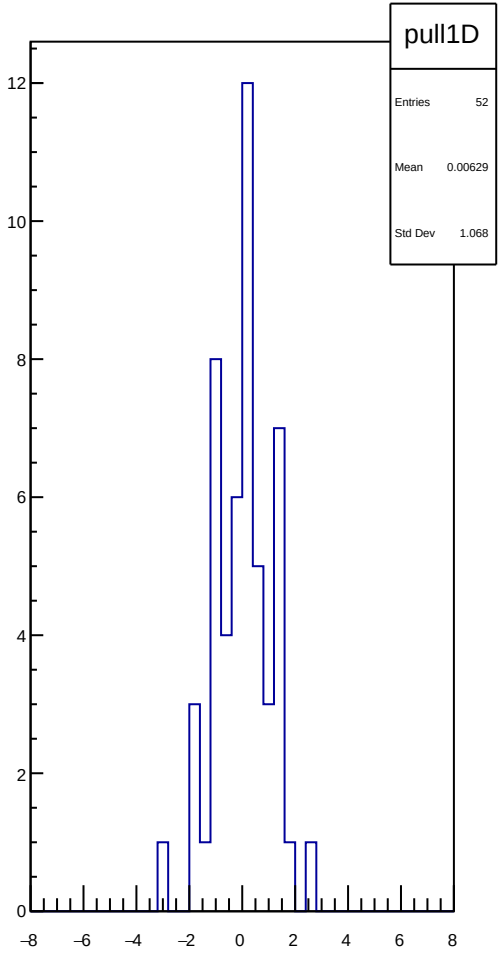
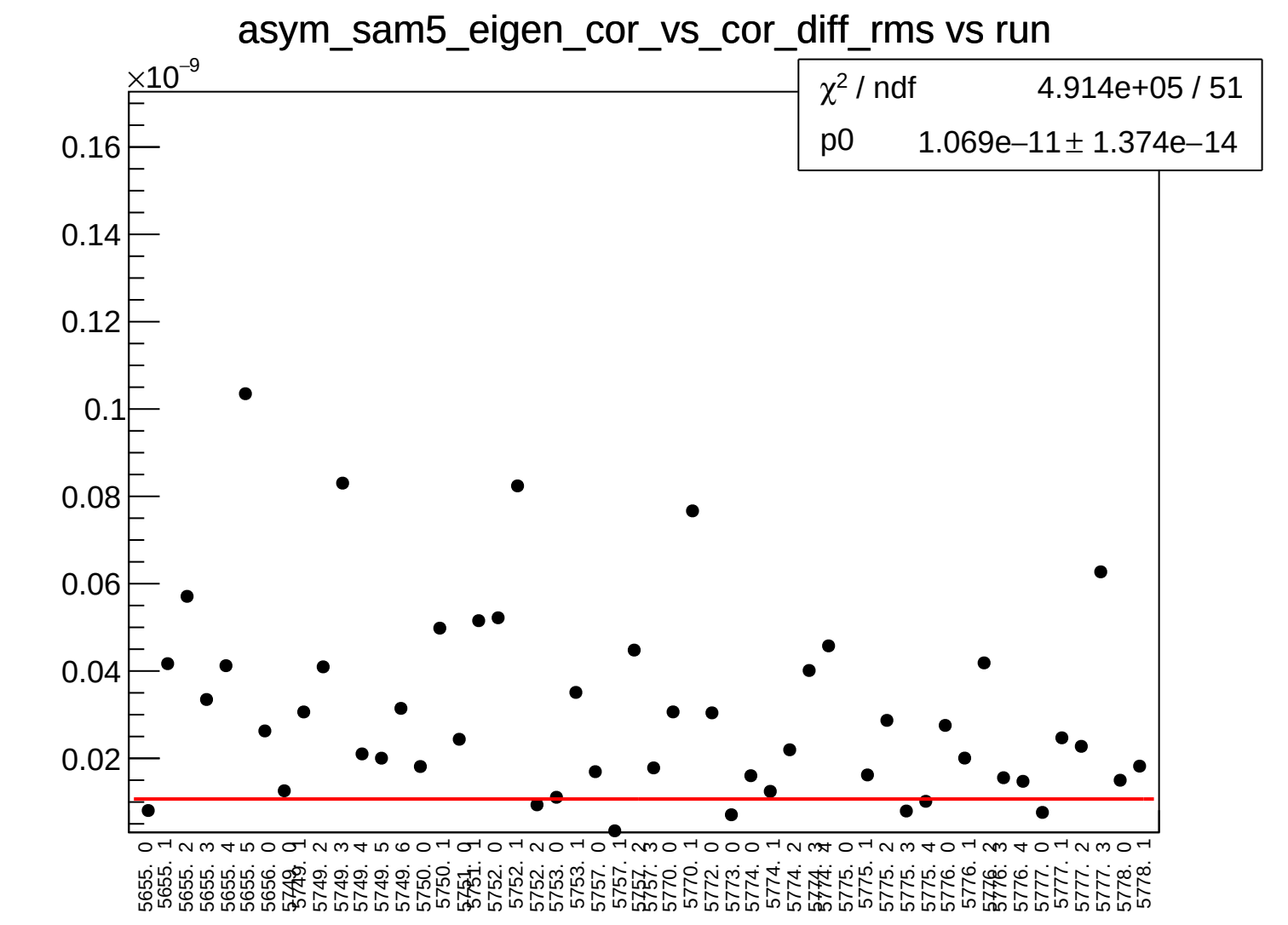
5778. 1


asym_sam5_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.3 / 51
p0 −1.333e−14 ± 1.943e−14
pull
Entries 52
Mean −280.9
Std Dev 0


pull1D
Entries 52
Mean 0.00629
Std Dev 1.068


asym_sam5_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.914e+05 / 51
p0 1.069e−11 ± 1.374e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
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5749. 2
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
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5777. 0
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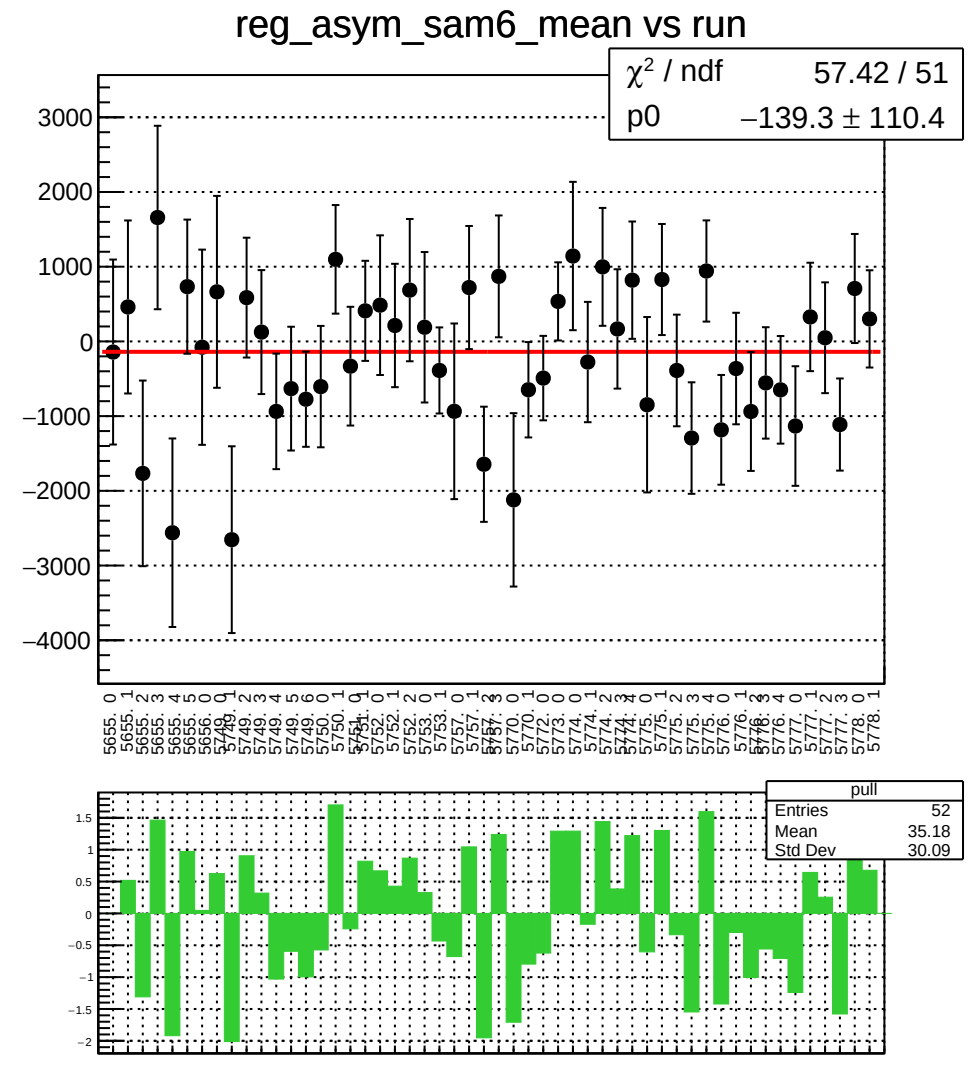
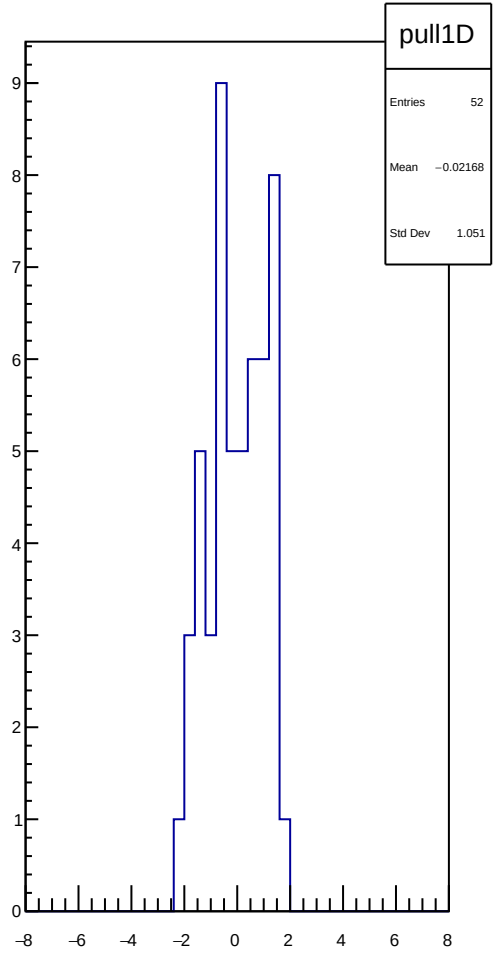
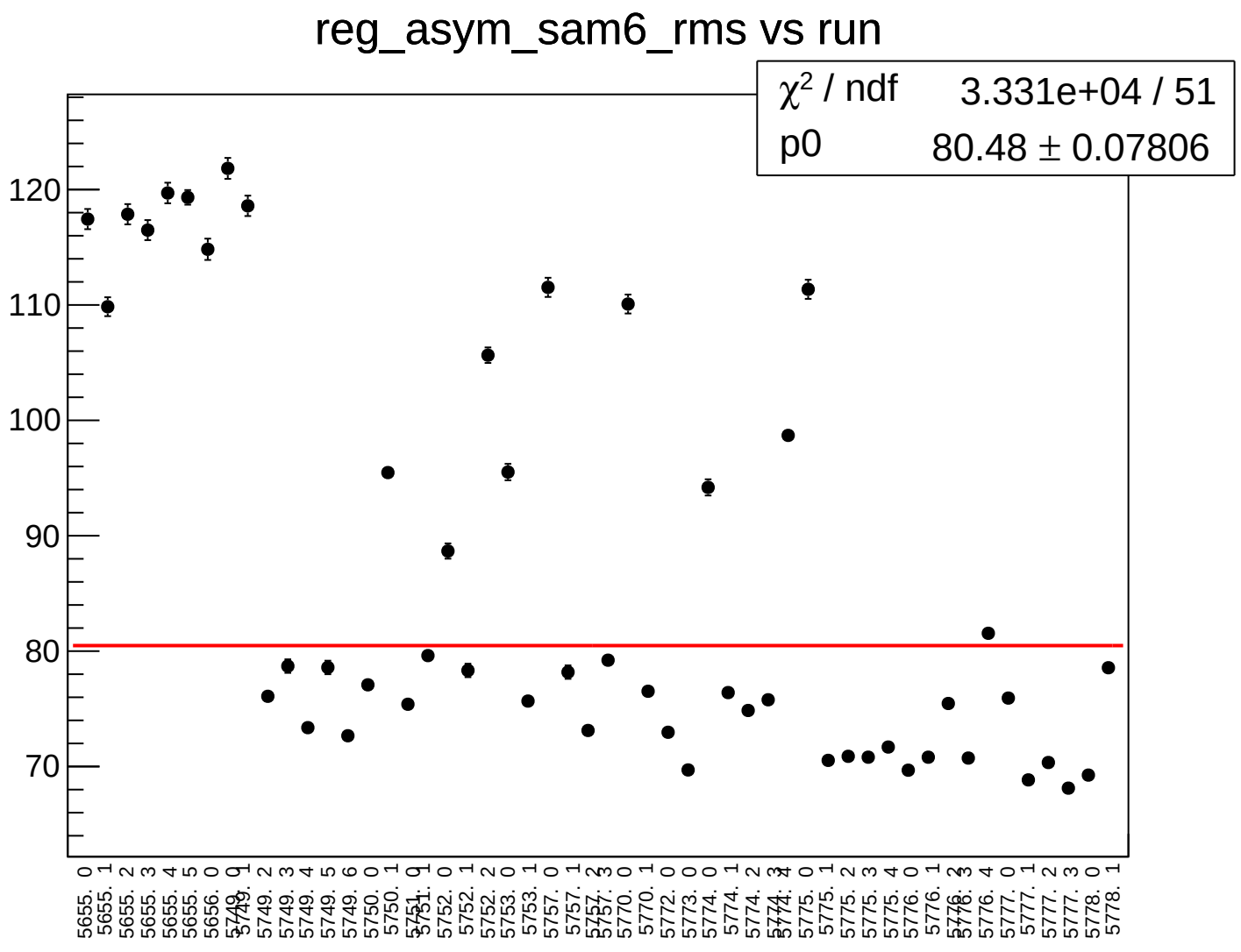
5777. 2
5777. 3
5778. 0
5778. 1


reg_asym_sam6_mean vs run
χ² / ndf 57.42 / 51
p0 −139.3 ± 110.4
pull
Entries 52
Mean 35.18
Std Dev 30.09


pull1D
Entries 52
Mean −0.02168
Std Dev 1.051


reg_asym_sam6_rms vs run
χ2 / ndf 3.331e+04 / 51
p0 80.48 ± 0.07806
120
110
100
90
80
70
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
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5749. 4
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5750. 0
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5751. 0
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5752. 2
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5753. 1
5757. 0
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5775. 4
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5777. 2
5777. 3
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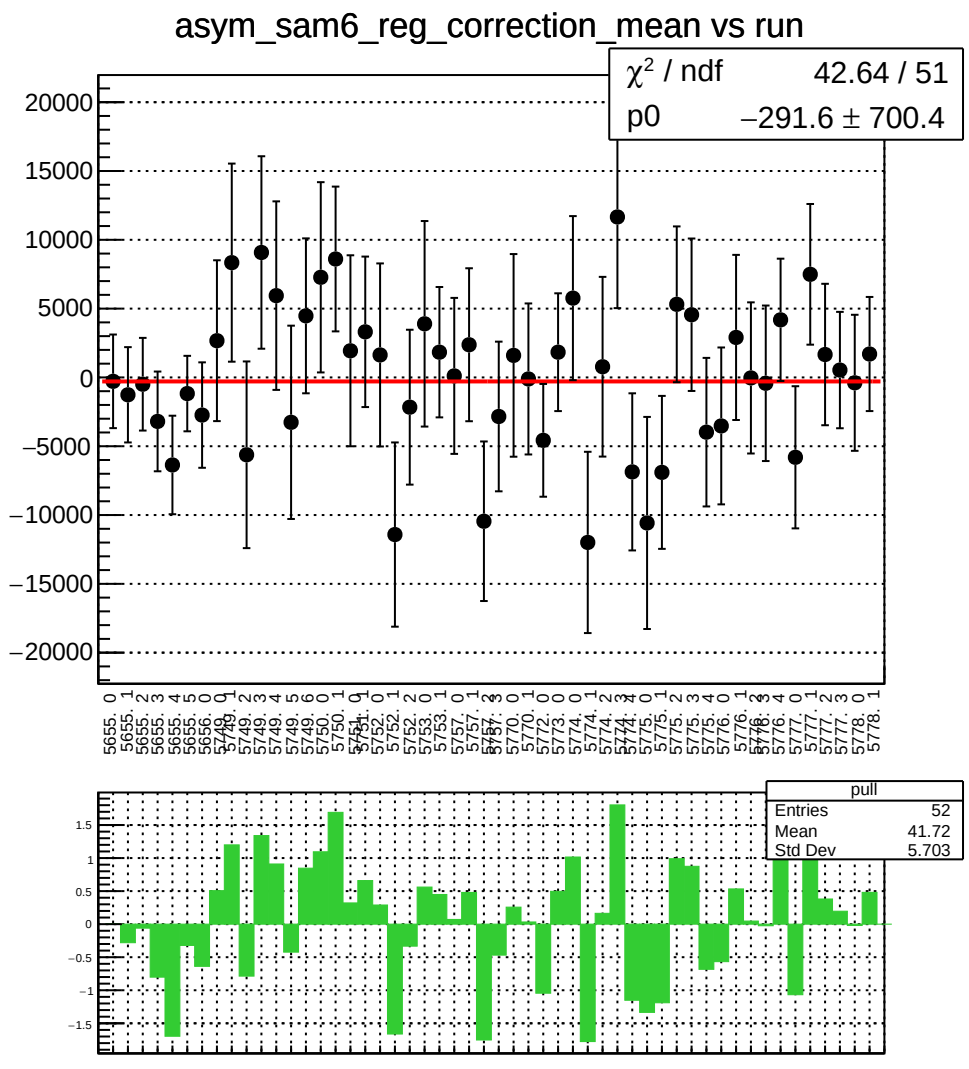
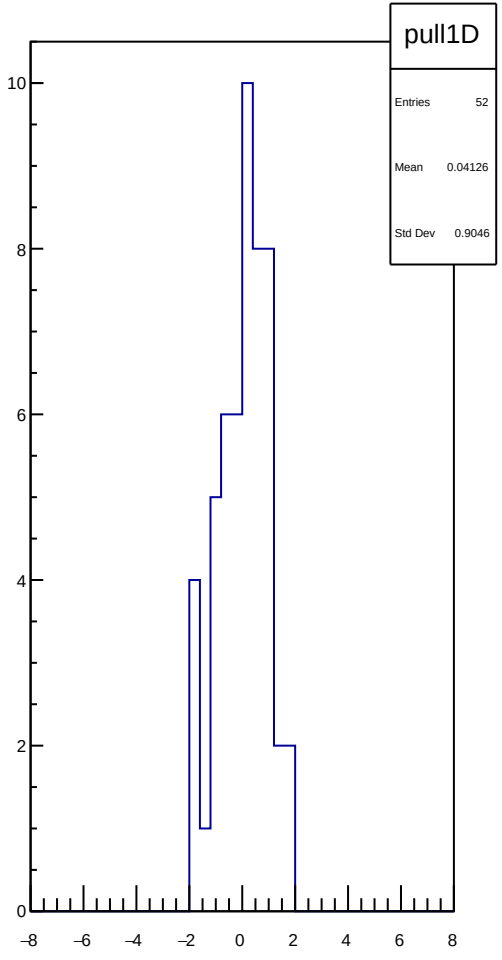
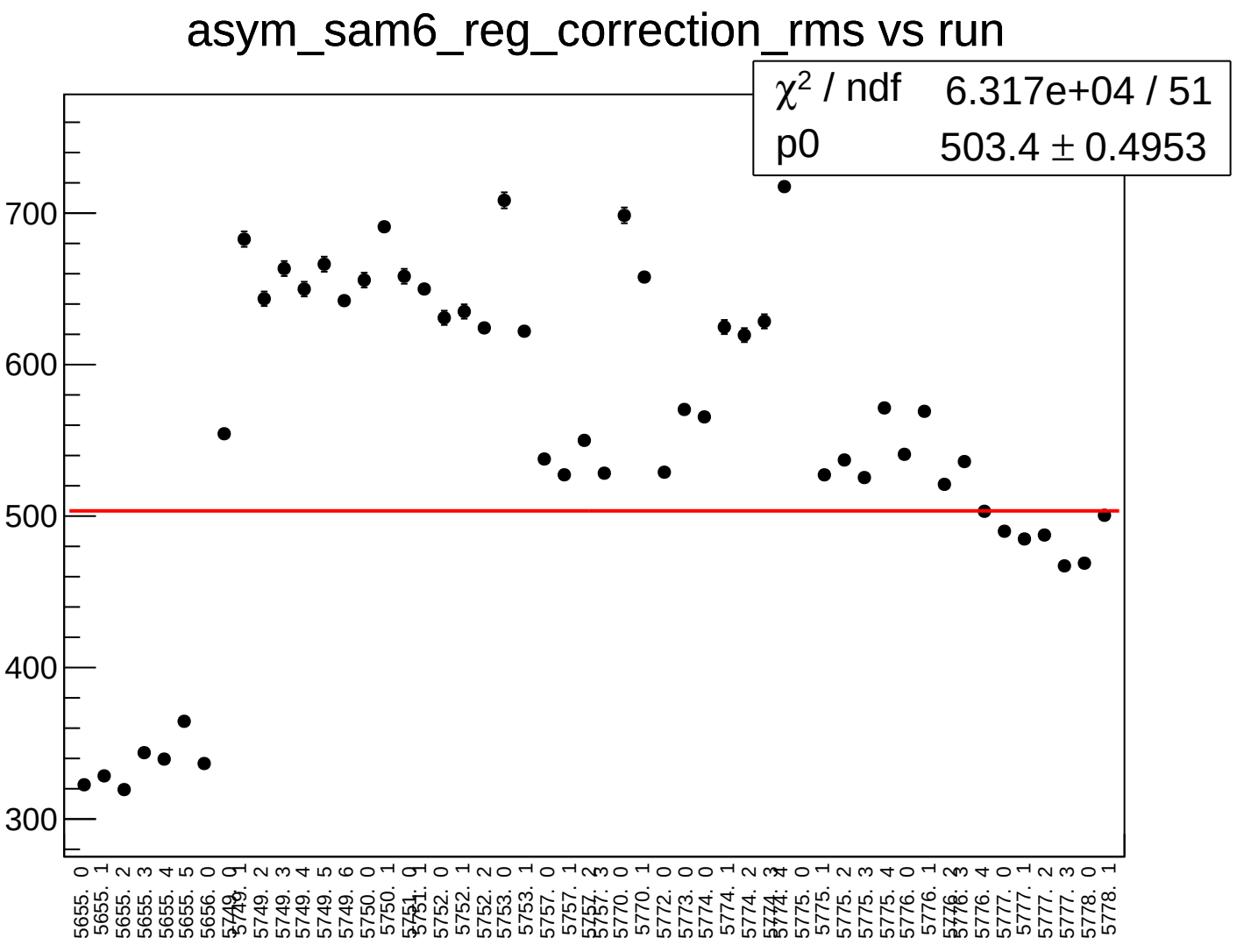
5778. 1


asym_sam6_reg_correction_mean vs run
χ² / ndf 42.64 / 51
p0 −291.6 ± 700.4
pull
Entries 52
Mean 41.72
Std Dev 5.703


pull1D
Entries 52
Mean 0.04126
Std Dev 0.9046


asym_sam6_reg_correction_rms vs run
χ² / ndf 6.317e+04 / 51
p0 503.4 ± 0.4953
700
600
500
400
300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
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5750. 1
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5774. 1
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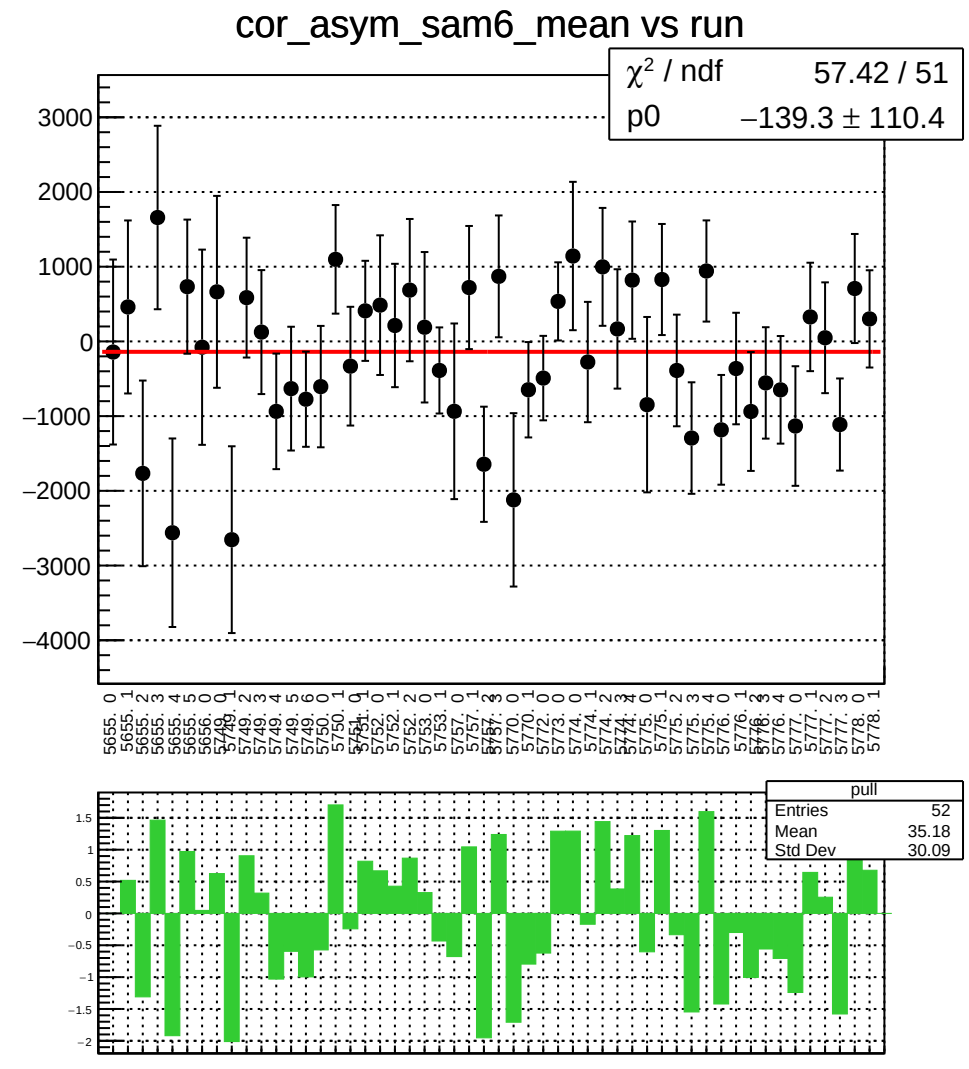
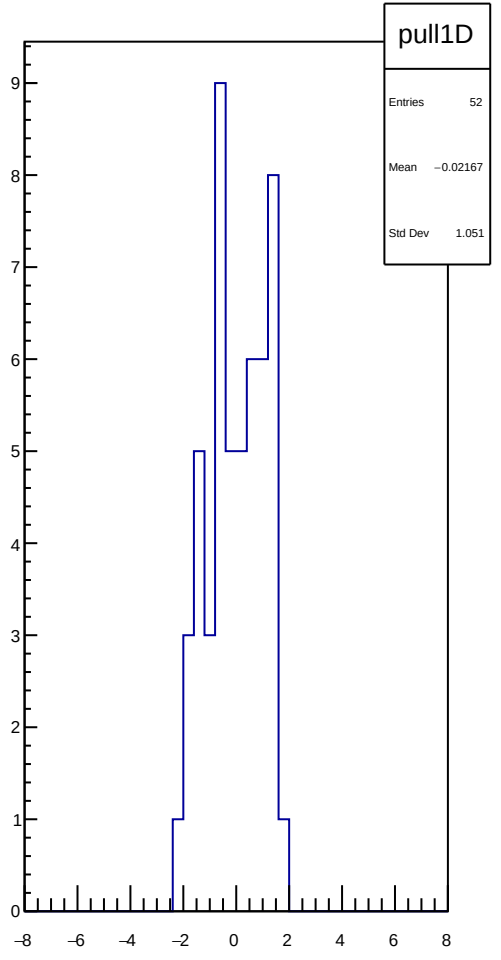
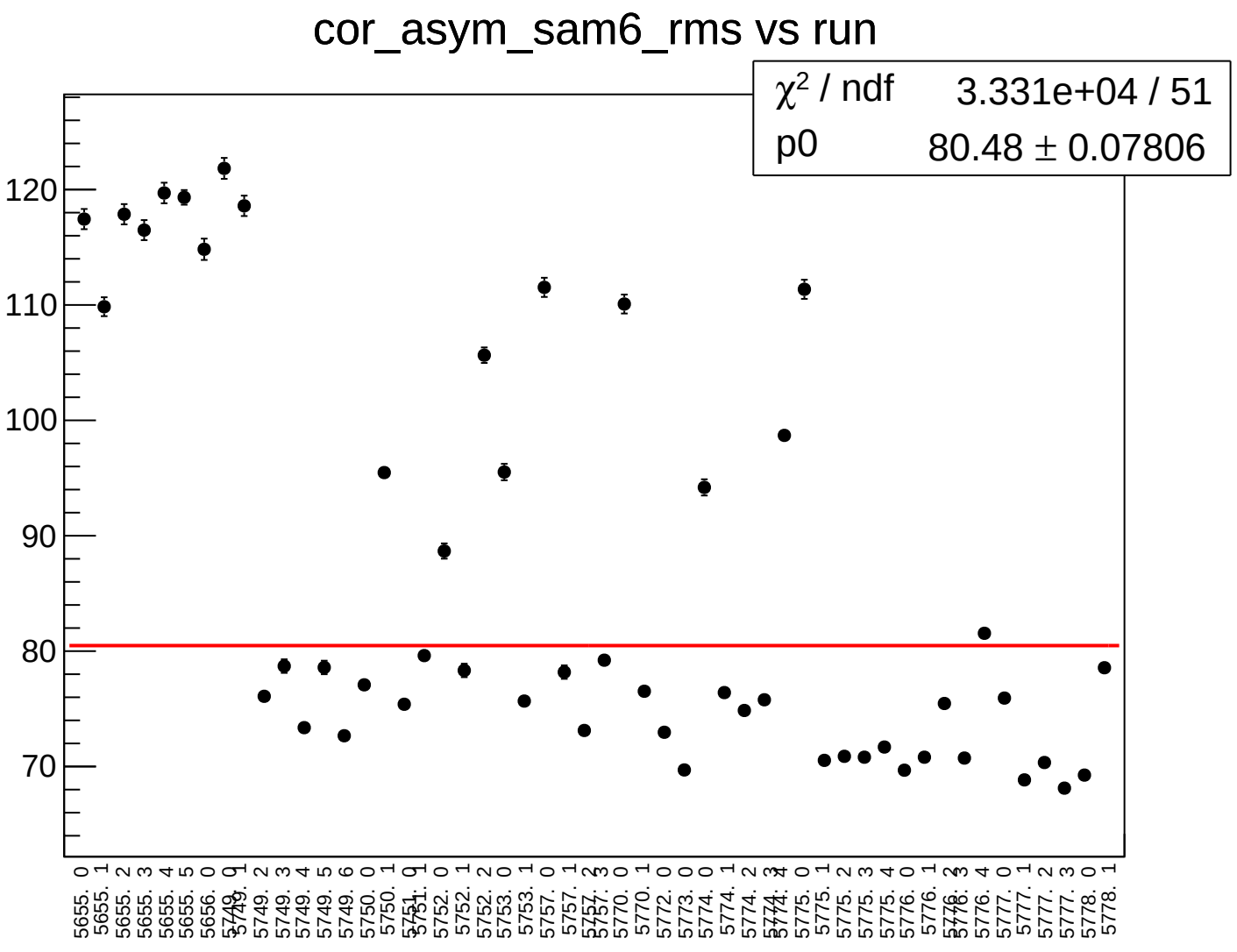

cor_asym_sam6_mean vs run
χ² / ndf 57.42 / 51
p0 −139.3 ± 110.4
pull
Entries 52
Mean 35.18
Std Dev 30.09


pull1D
Entries 52
Mean −0.02167
Std Dev 1.051


cor_asym_sam6_rms vs run
χ² / ndf 3.331e+04 / 51
p0 80.48 ± 0.07806
120
110
100
90
80
70
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
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5750. 1
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5752. 0
5752. 1
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5753. 0
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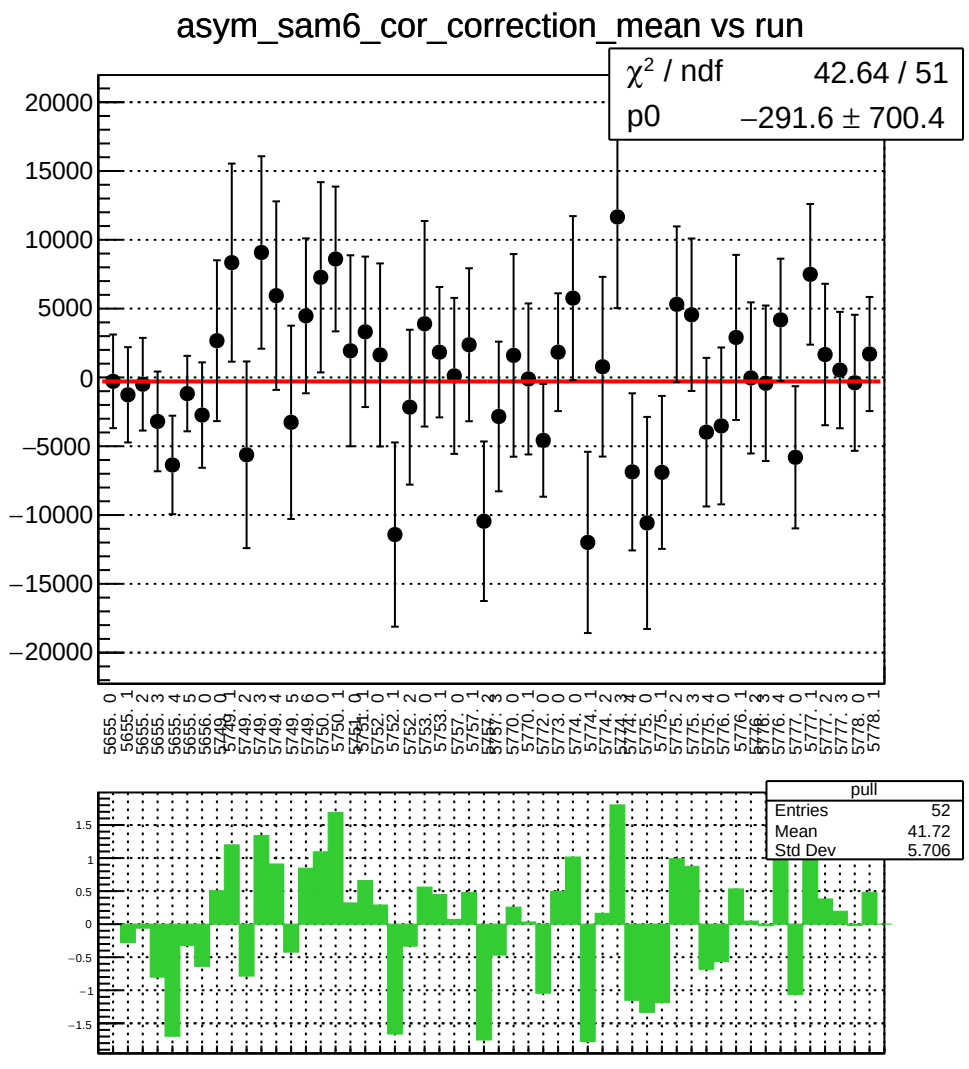
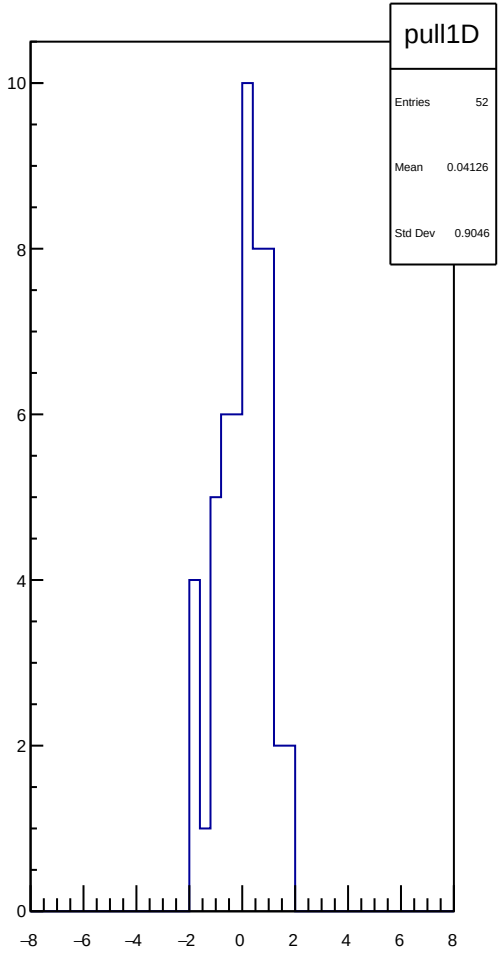
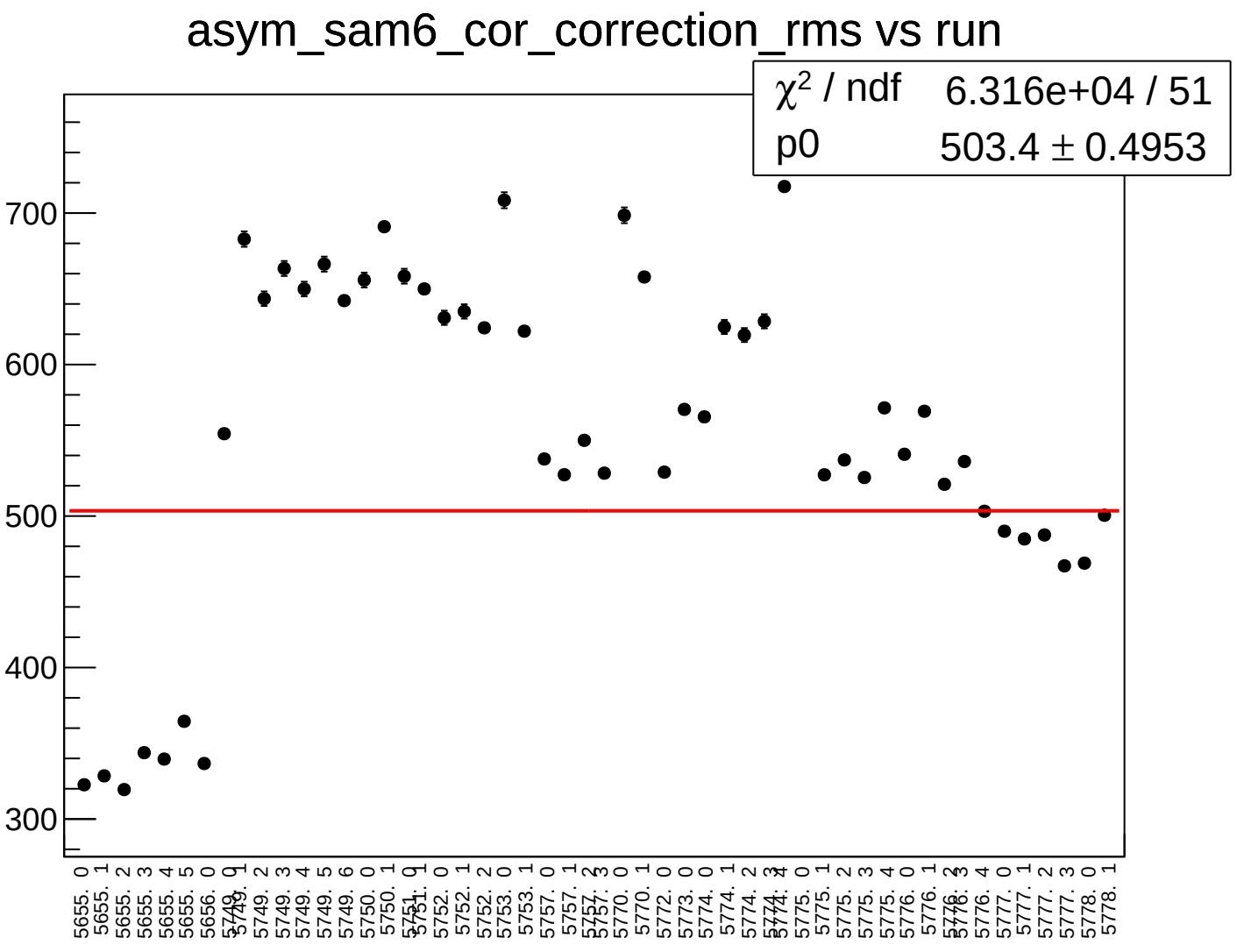
5778. 0
5778. 1


asym_sam6_cor_correction_mean vs run
χ² / ndf 42.64 / 51
p0 −291.6 ± 700.4
pull
Entries 52
Mean 41.72
Std Dev 5.706


pull1D
Entries 52
Mean 0.04126
Std Dev 0.9046


asym_sam6_cor_correction_rms vs run
χ² / ndf 6.316e+04 / 51
p0 503.4 ± 0.4953
700
600
500
400
300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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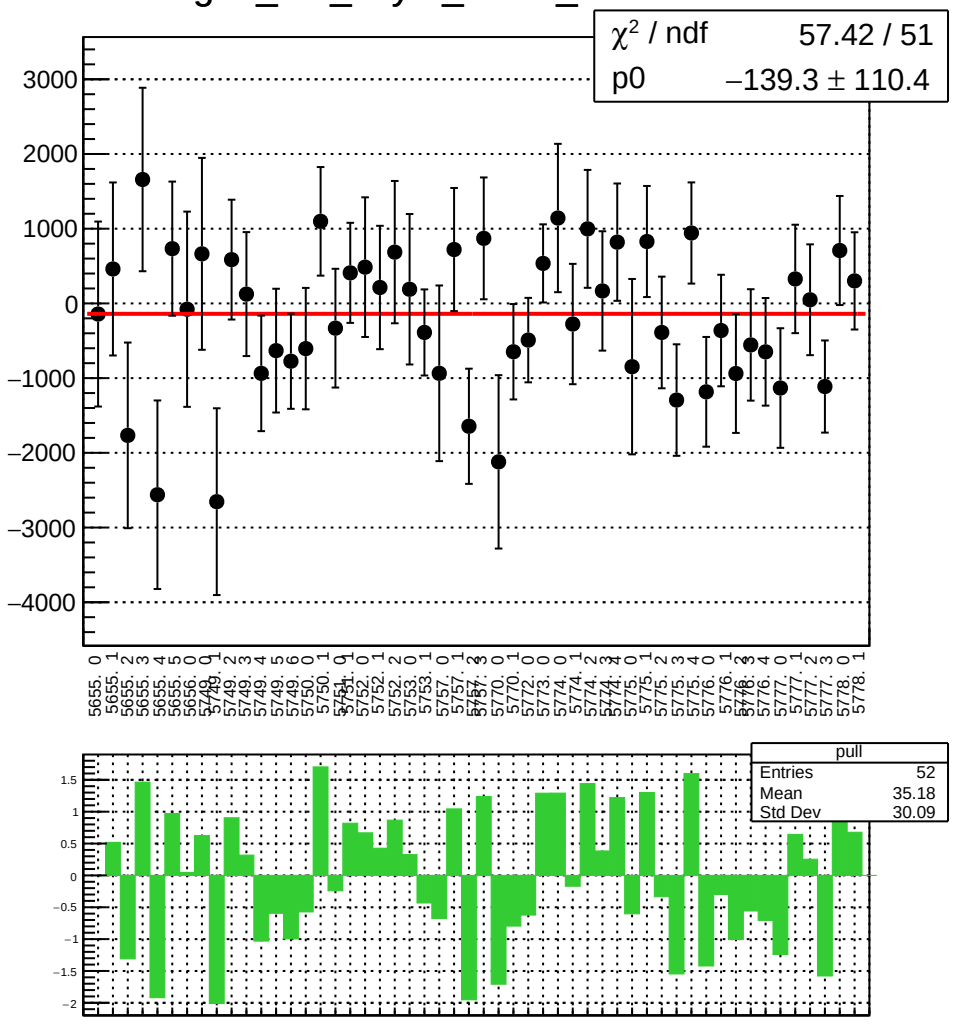
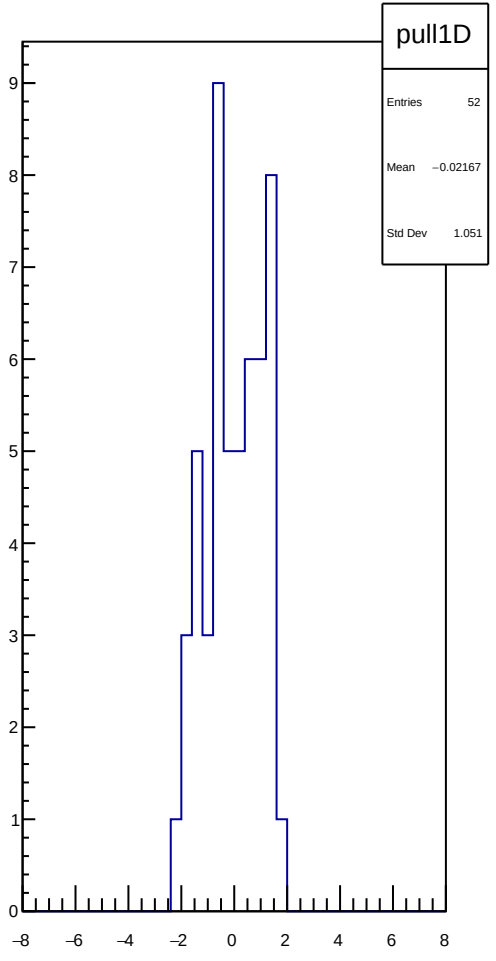
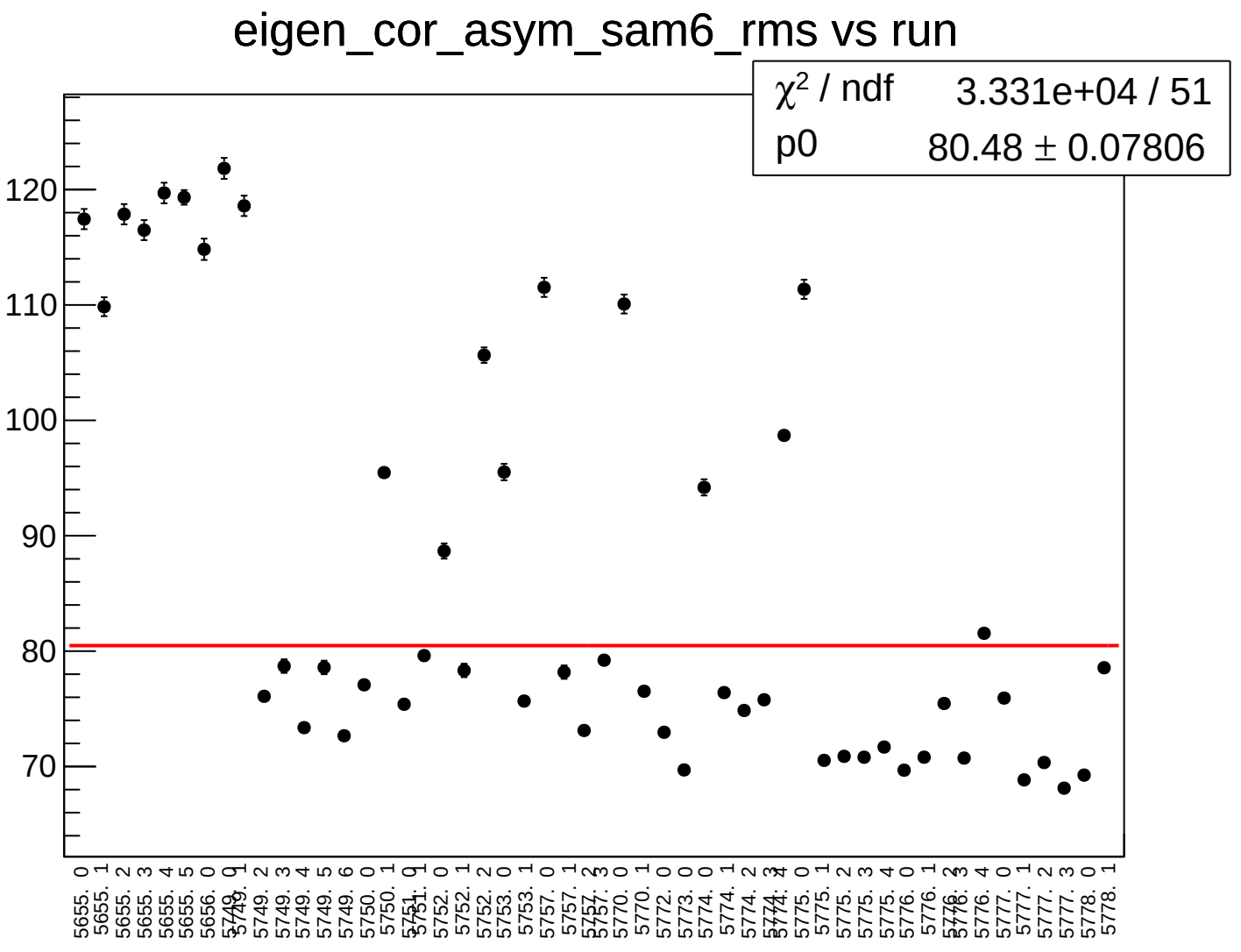
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_sam6_mean vs run
χ² / ndf 57.42 / 51
p0 −139.3 ± 110.4
pull
Entries 52
Mean 35.18
Std Dev 30.09


pull1D
Entries 52
Mean −0.02167
Std Dev 1.051


eigen_cor_asym_sam6_rms vs run
χ^2 / ndf 3.331e+04 / 51
p0 80.48 ± 0.07806
120
110
100
90
80
70
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5773. 0
5774. 0
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5775. 2
5775. 3
5775. 4
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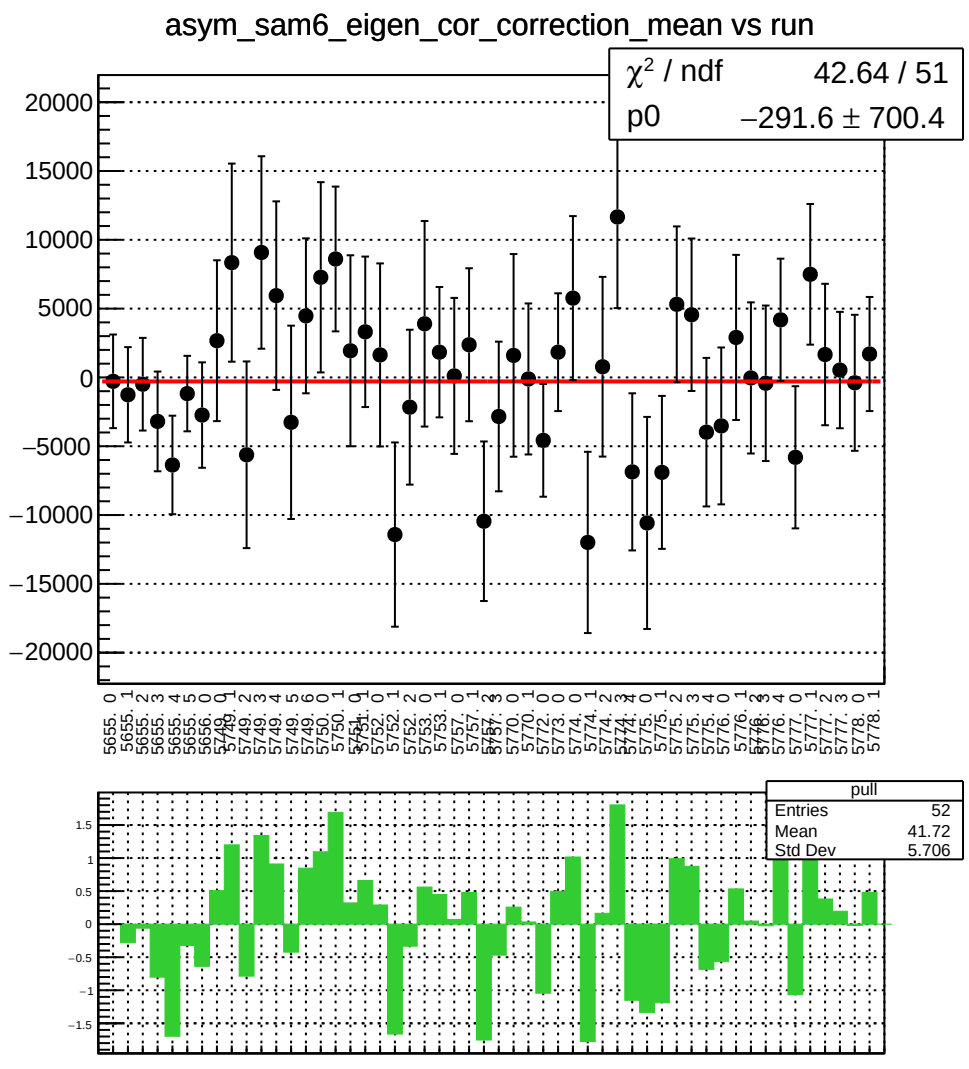
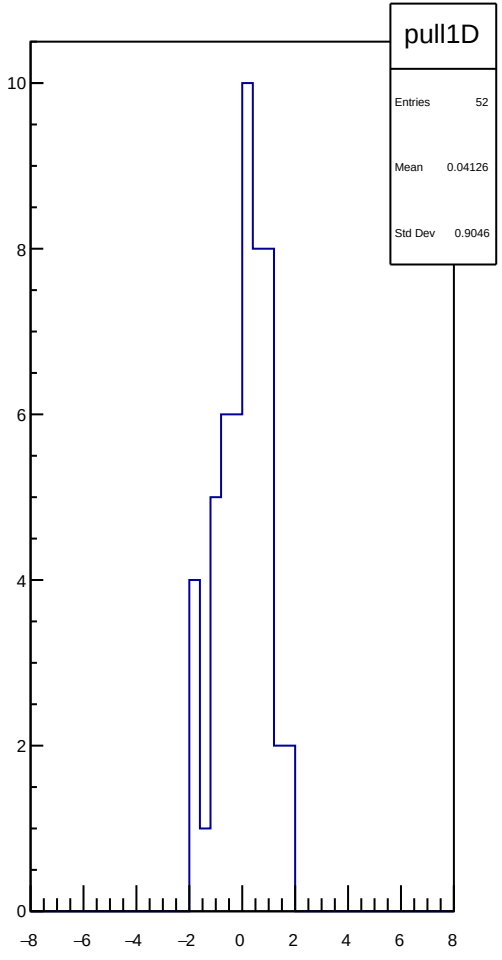
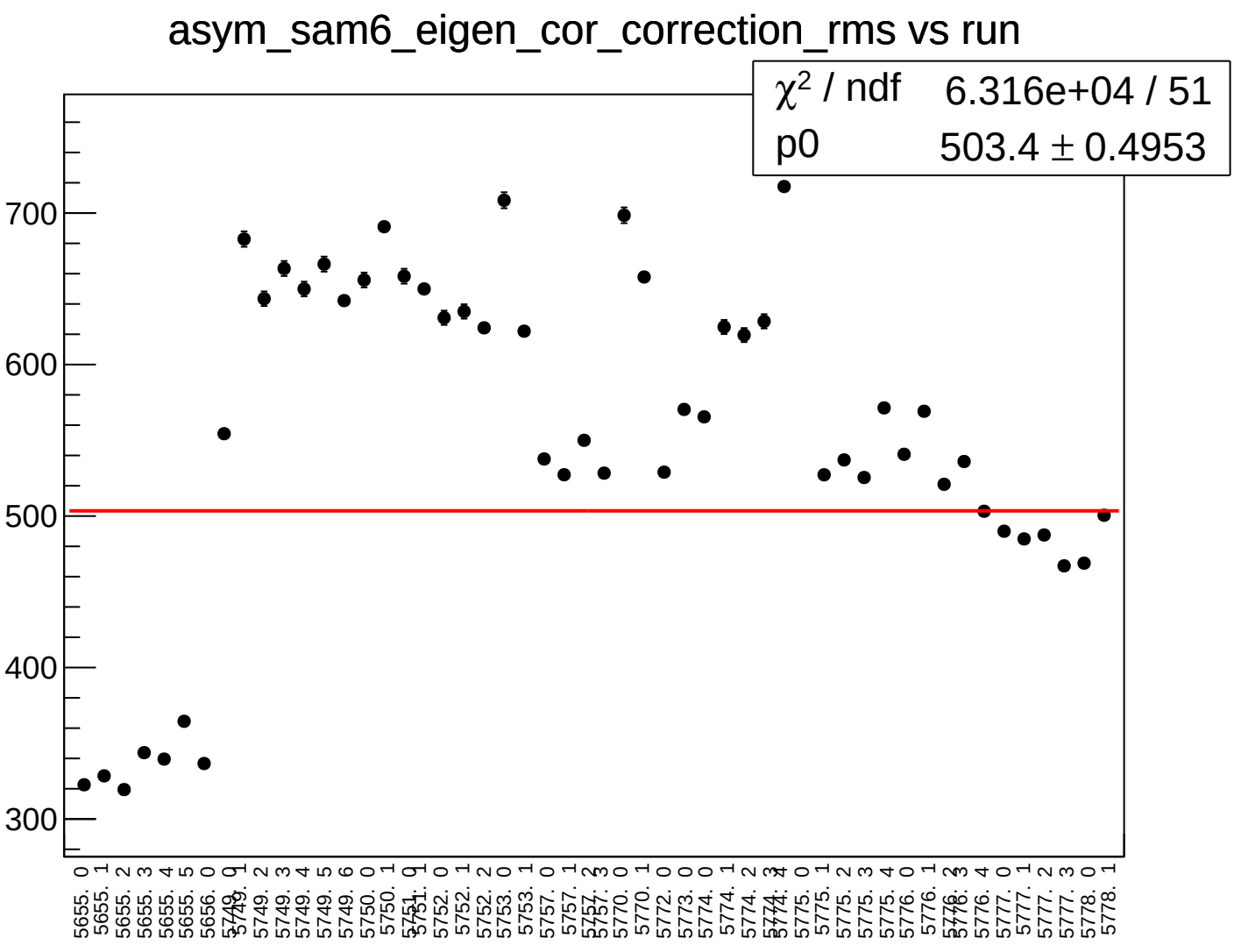
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam6_eigen_cor_correction_mean vs run
χ² / ndf 42.64 / 51
p0 −291.6 ± 700.4
pull
Entries 52
Mean 41.72
Std Dev 5.706


pull1D
Entries 52
Mean 0.04126
Std Dev 0.9046


asym_sam6_eigen_cor_correction_rms vs run
χ² / ndf 6.316e+04 / 51
p0 503.4 ± 0.4953
700
600
500
400
300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
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5749. 2
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5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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5751. 1
5752. 0
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5752. 2
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5757. 3
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5775. 4
5776. 0
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5777. 2
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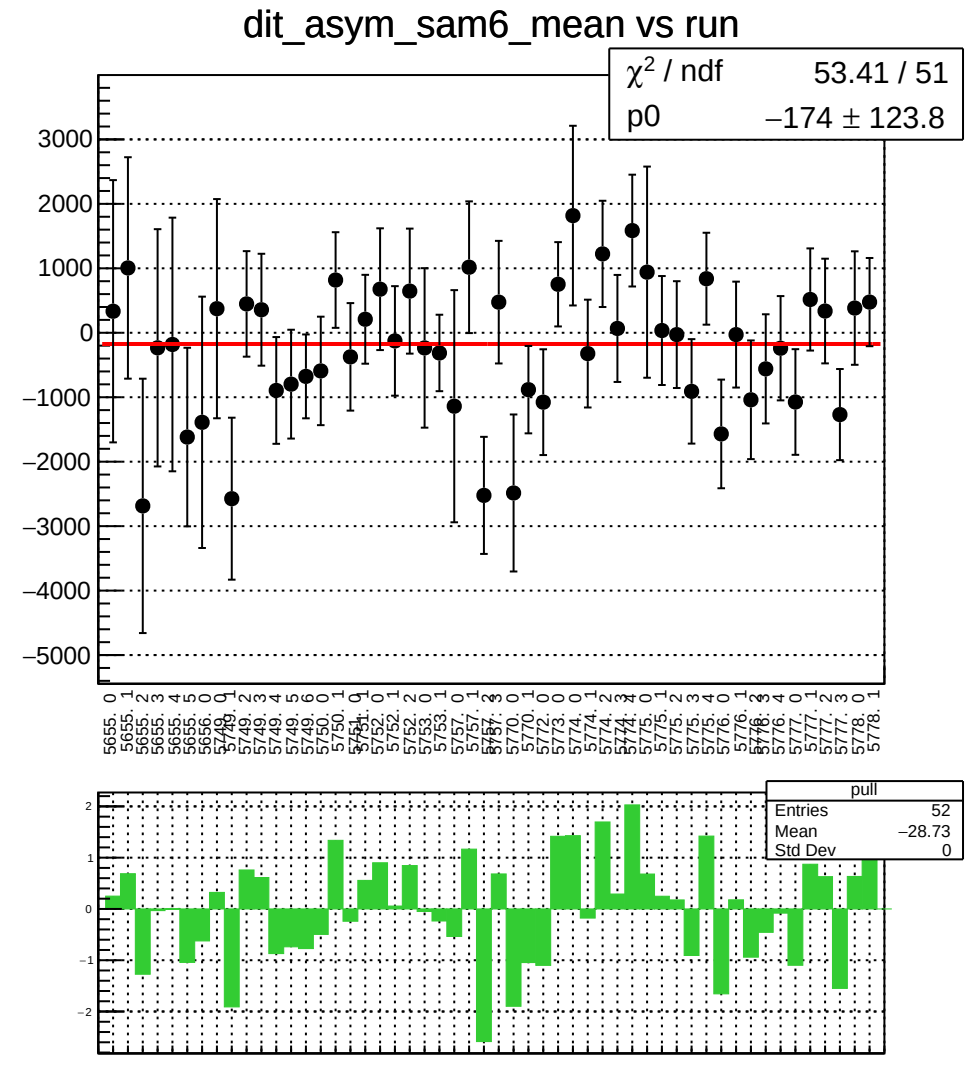
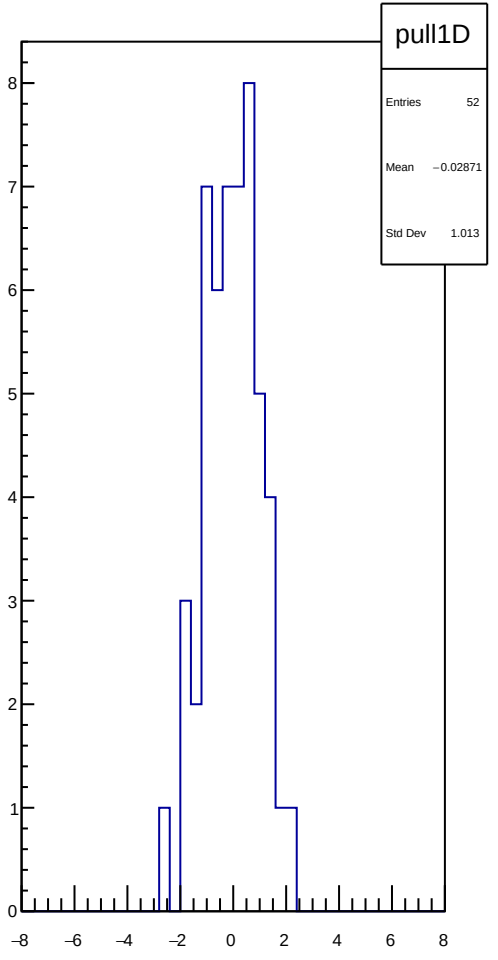
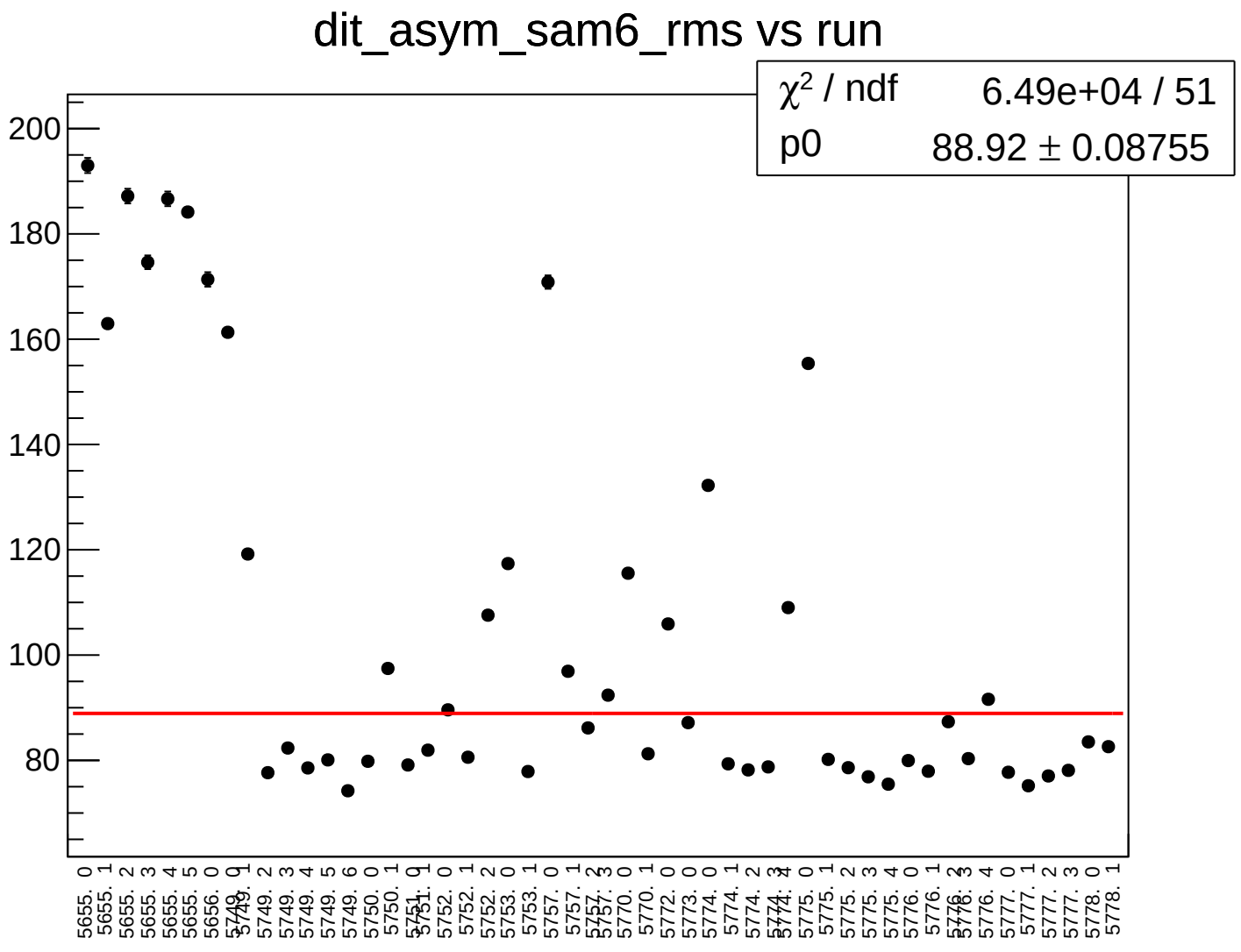
5778. 0
5778. 1


dit_asym_sam6_mean vs run
χ² / ndf 53.41 / 51
p0 −174 ± 123.8
pull
Entries 52
Mean −28.73
Std Dev 0


pull1D
Entries 52
Mean −0.02871
Std Dev 1.013


dit_asym_sam6_rms vs run
χ² / ndf 6.49e+04 / 51
p0 88.92 ± 0.08755
200
180
160
140
120
100
80
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
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5750. 0
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5752. 0
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5752. 2
5753. 0
5753. 1
5757. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
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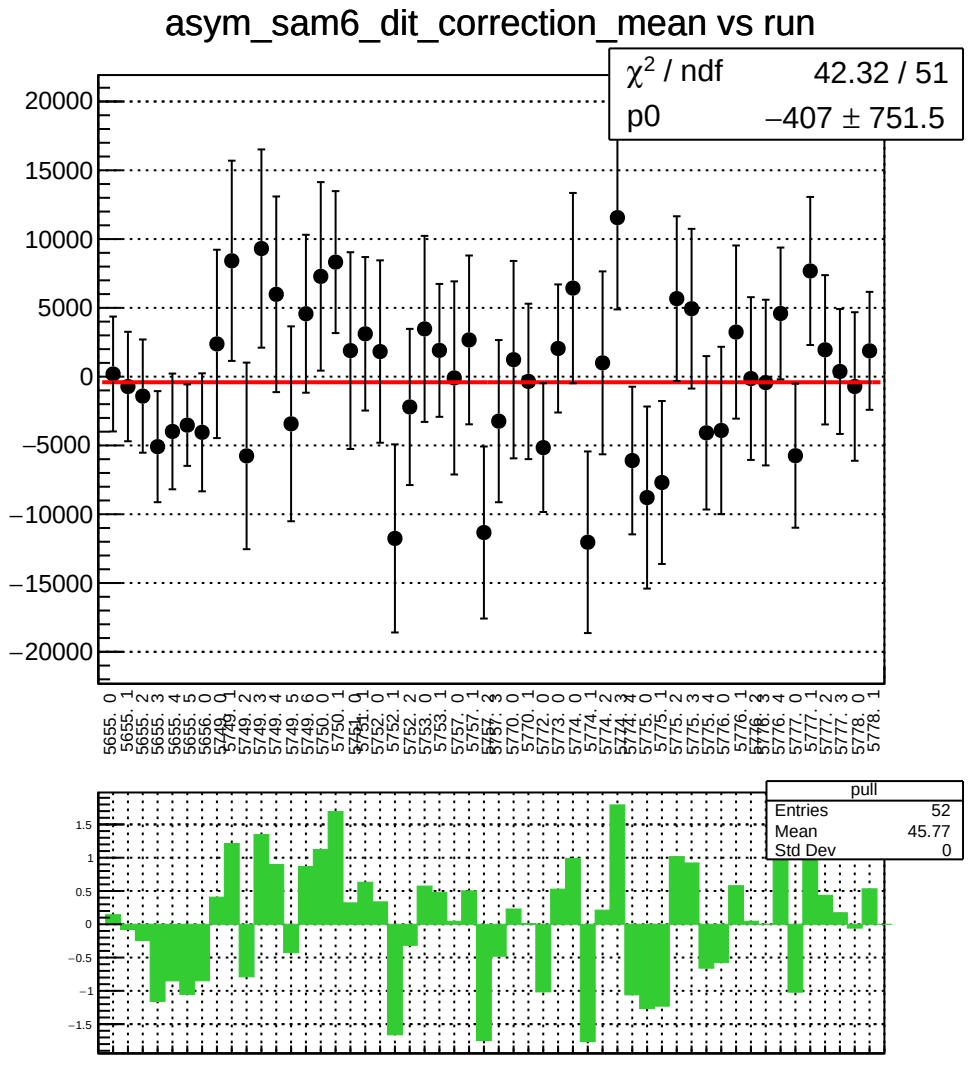
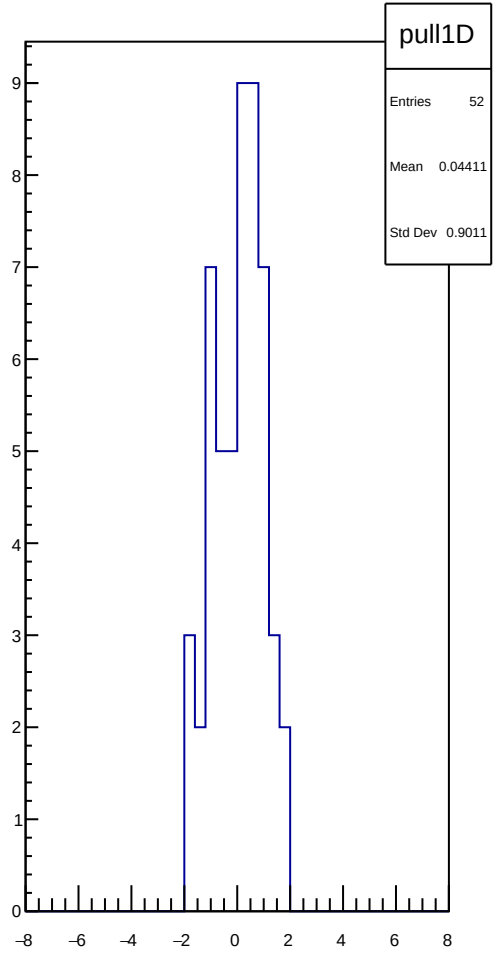
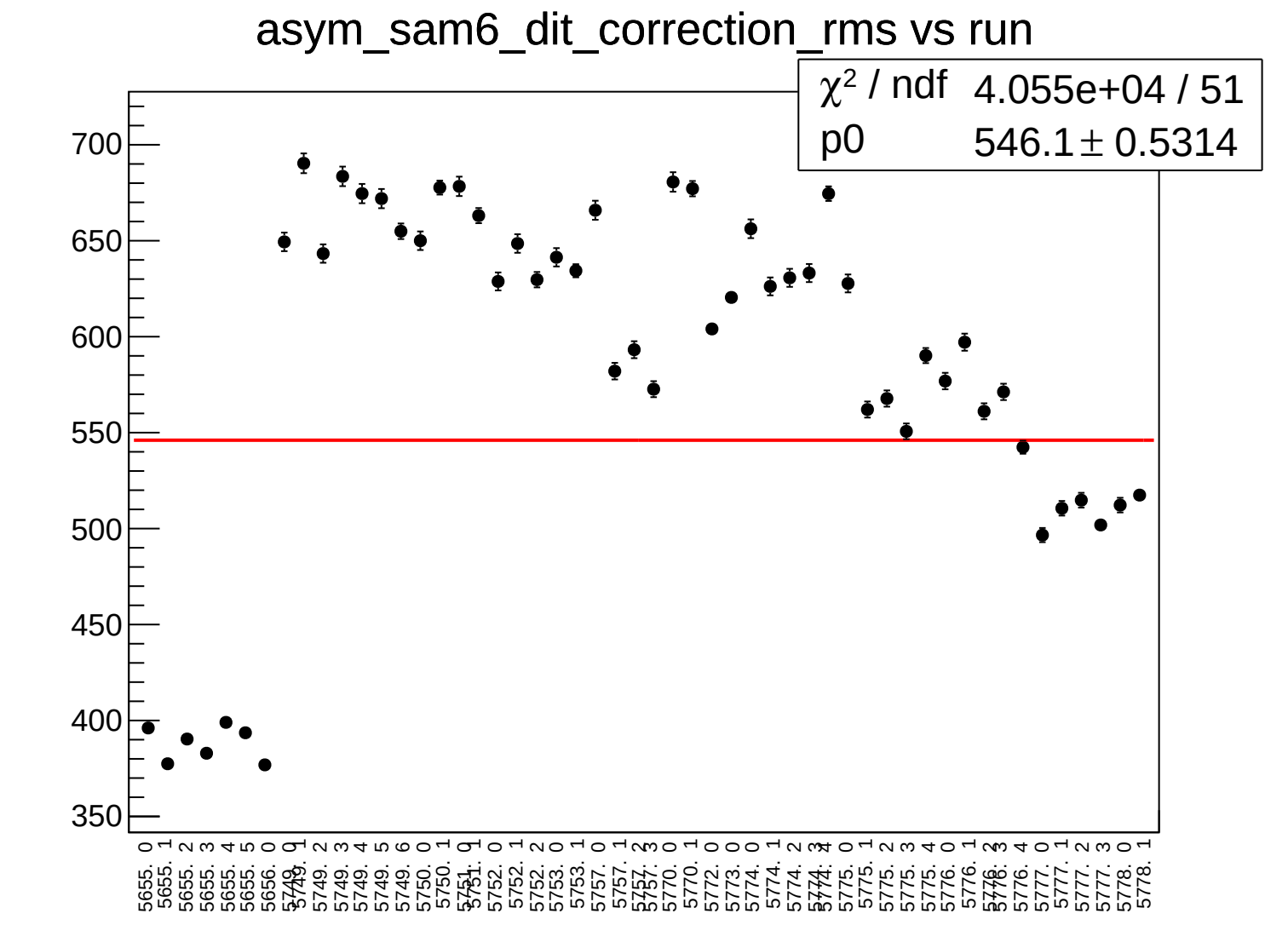
5778. 1


asym_sam6_dit_correction_mean vs run
χ² / ndf 42.32 / 51
p0 −407 ± 751.5
pull
Entries 52
Mean 45.77
Std Dev 0


pull1D
Entries 52
Mean 0.04411
Std Dev 0.9011


asym_sam6_dit_correction_rms vs run
χ² / ndf 4.055e+04 / 51
p0 546.1 ± 0.5314
700
650
600
550
500
450
400
350
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5750. 1
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5751. 1
5752. 0
5752. 1
5752. 2
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5753. 1
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5757. 3
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5774. 0
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5775. 4
5776. 0
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5776. 3
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5777. 2
5777. 3
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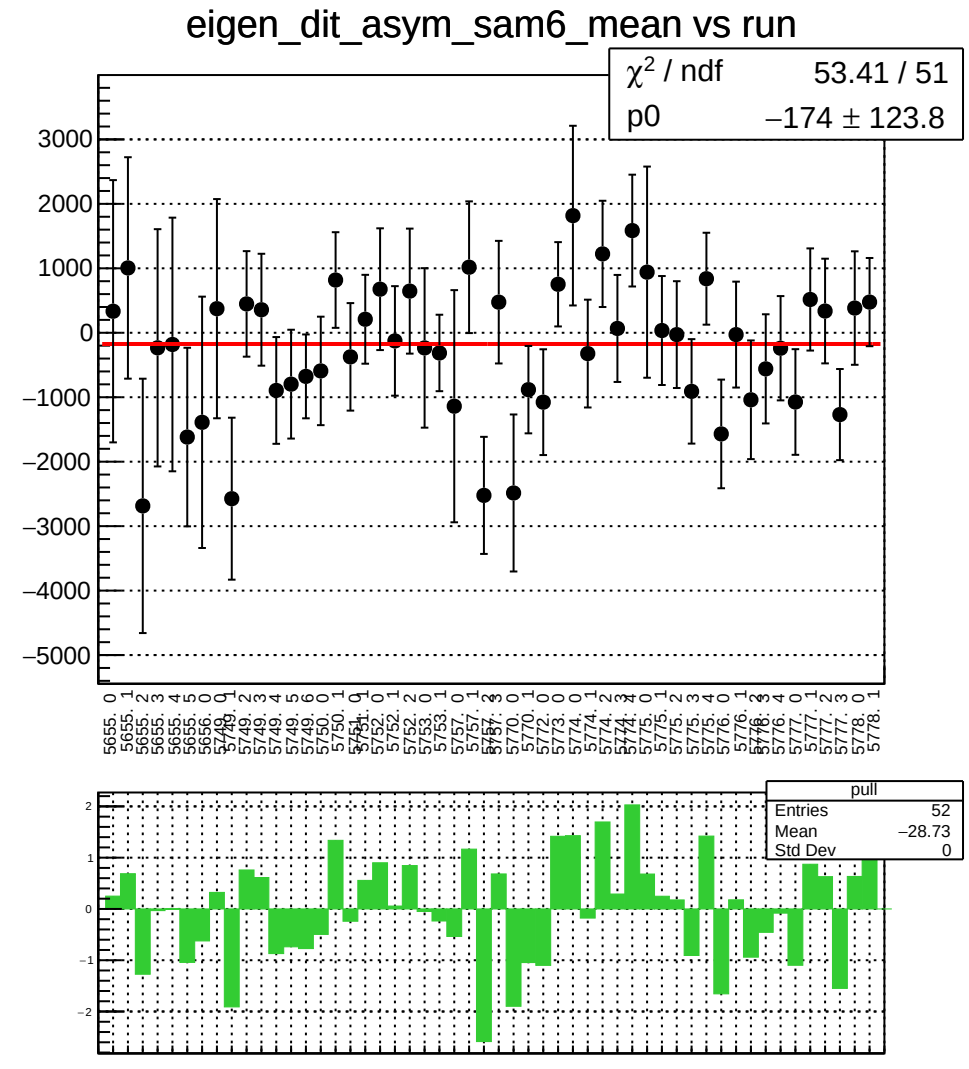
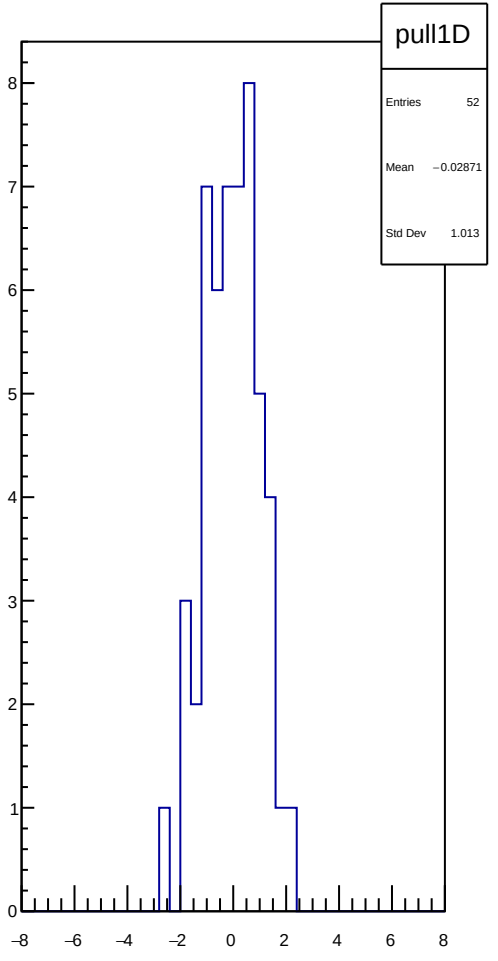
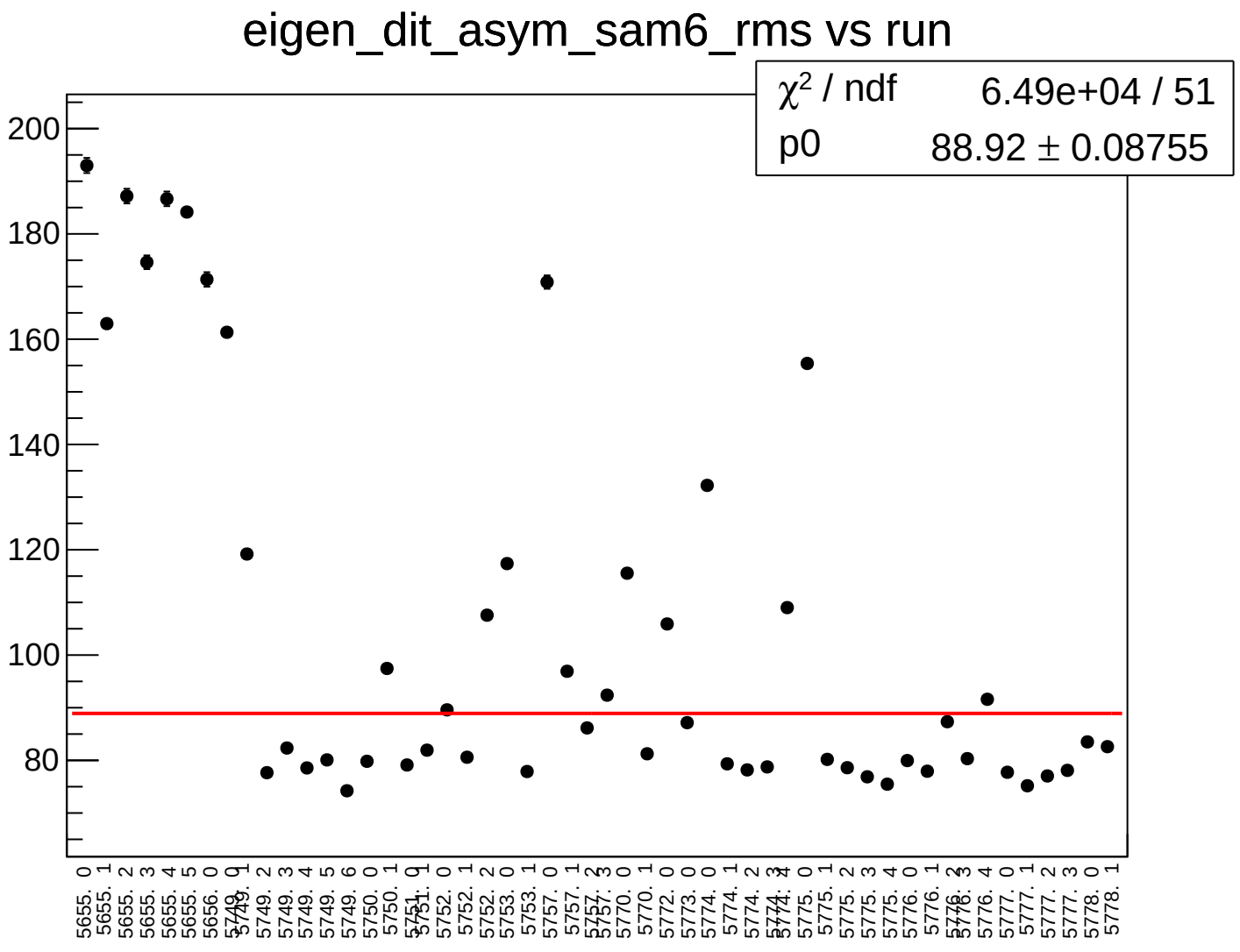
5778. 1


eigen_dit_asym_sam6_mean vs run
χ² / ndf 53.41 / 51
p0 −174 ± 123.8
pull
Entries 52
Mean −28.73
Std Dev 0


pull1D
Entries 52
Mean −0.02871
Std Dev 1.013


eigen_dit_asym_sam6_rms vs run
χ^2 / ndf 6.49e+04 / 51
p0 88.92 ± 0.08755
200
180
160
140
120
100
80
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5752. 1
5752. 2
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5753. 1
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5757. 3
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5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5777. 2
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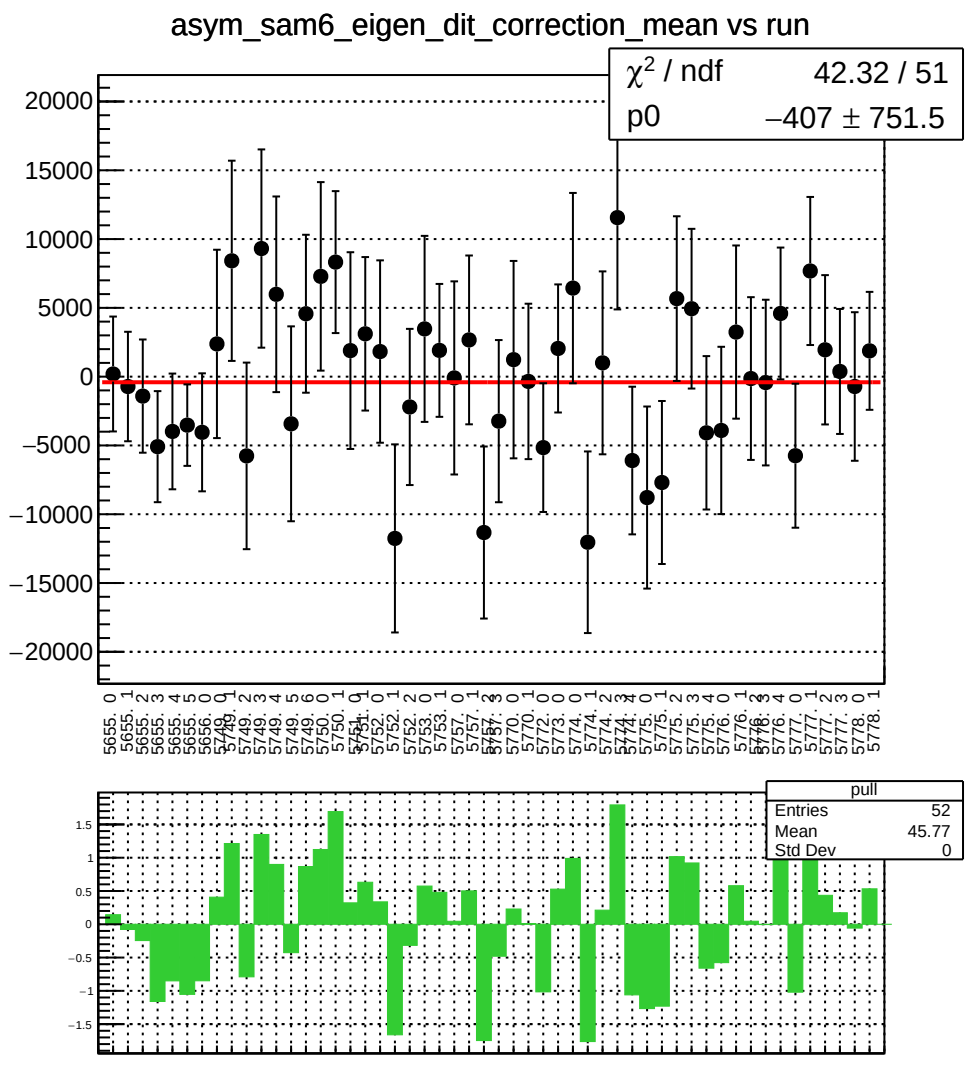
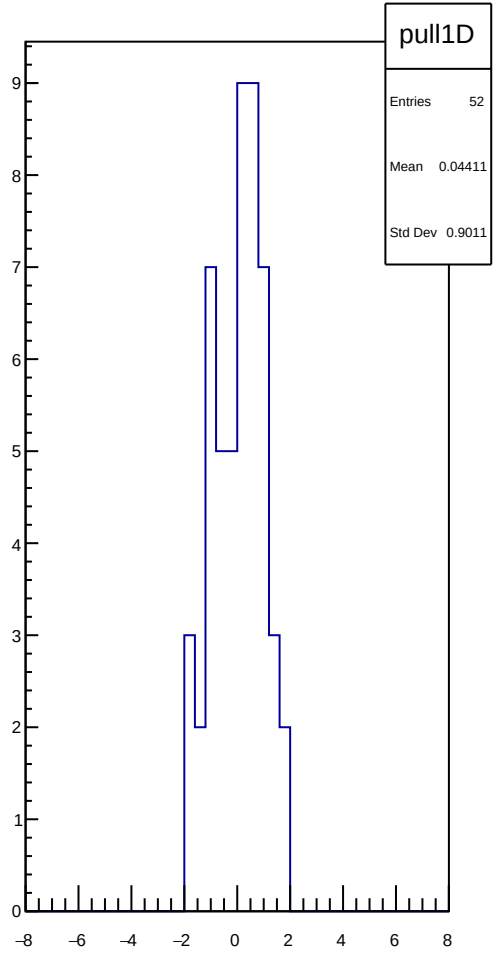
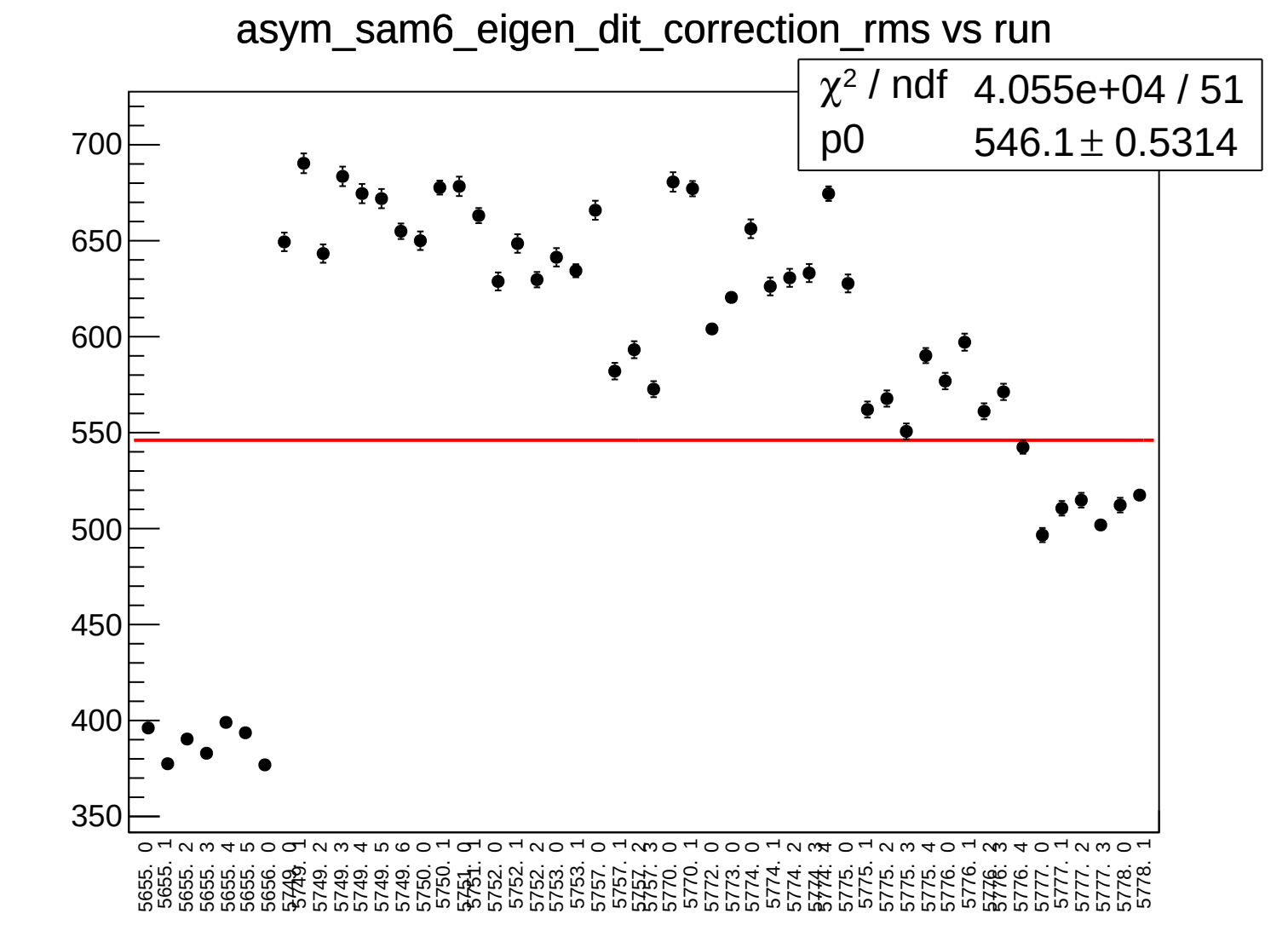
5778. 1


asym_sam6_eigen_dit_correction_mean vs run
χ² / ndf 42.32 / 51
p0 −407 ± 751.5
pull
Entries 52
Mean 45.77
Std Dev 0


pull1D
Entries 52
Mean 0.04411
Std Dev 0.9011


asym_sam6_eigen_dit_correction_rms vs run
χ² / ndf 4.055e+04 / 51
p0 546.1 ± 0.5314
700
650
600
550
500
450
400
350
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
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5749. 3
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5749. 5
5749. 6
5750. 0
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5751. 1
5752. 0
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5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
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5770. 1
5772. 0
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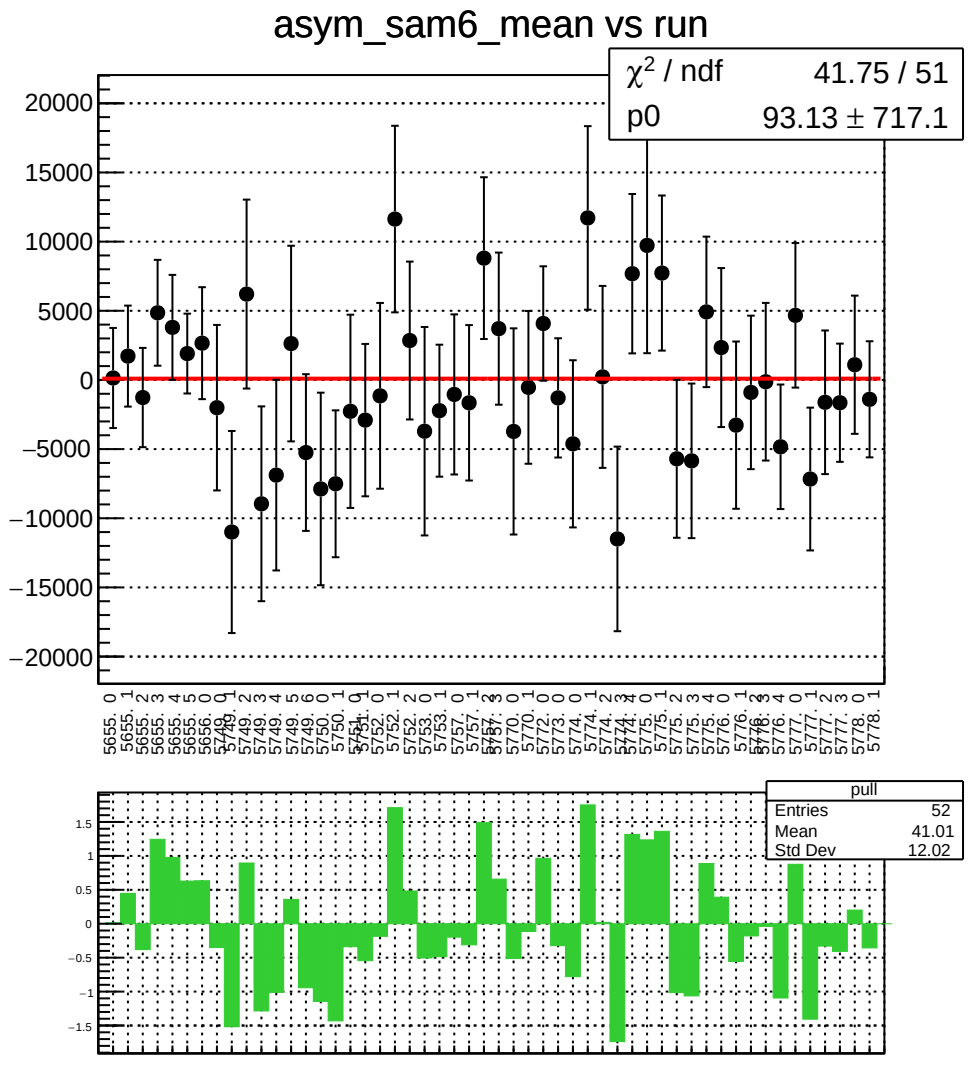
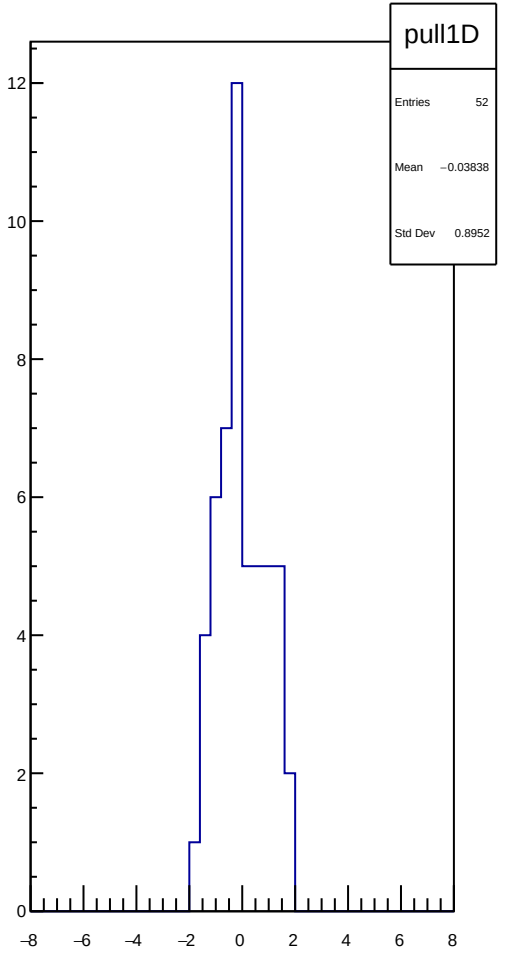
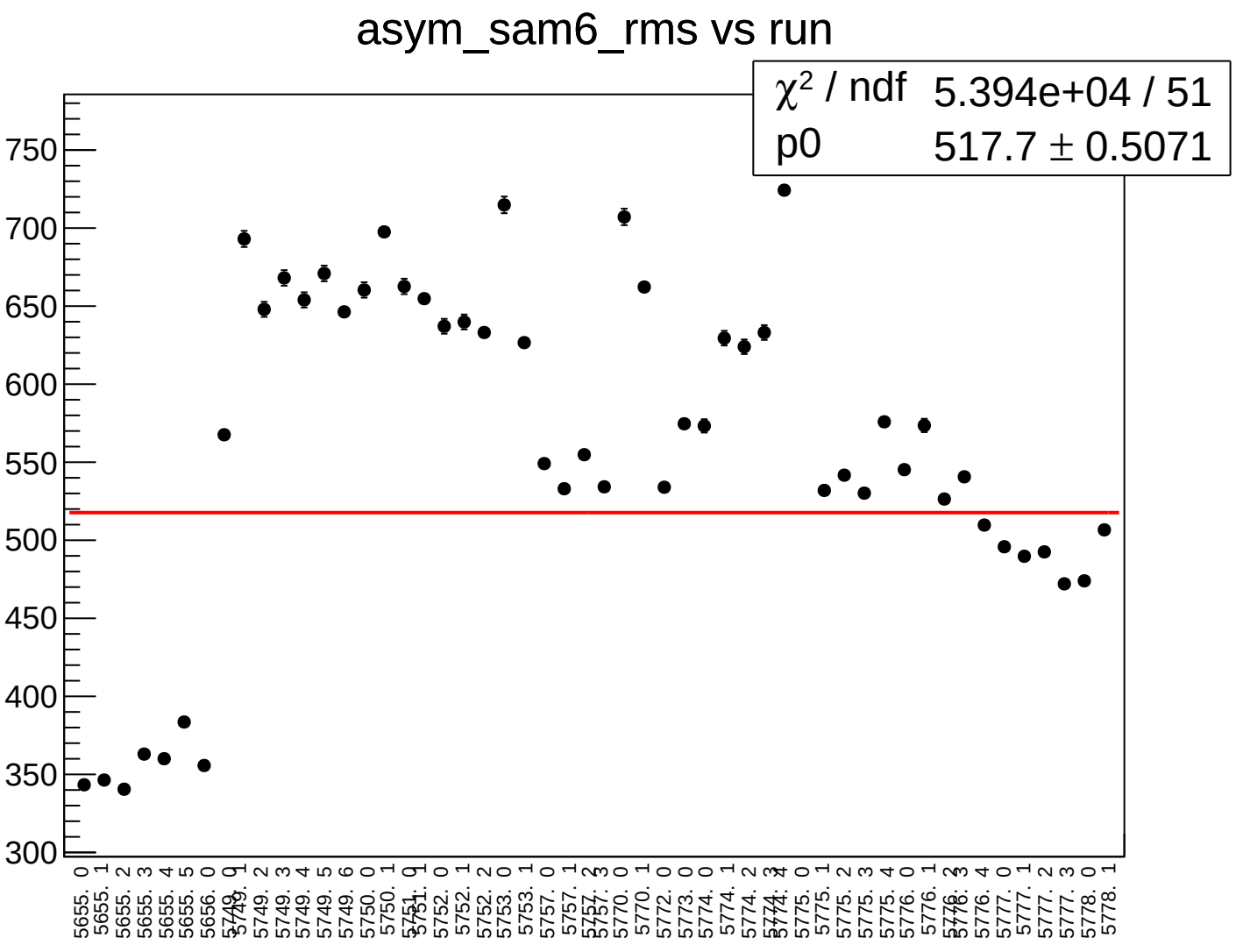

asym_sam6_mean vs run
χ² / ndf 41.75 / 51
p0 93.13 ± 717.1
pull
Entries 52
Mean 41.01
Std Dev 12.02


pull1D
Entries 52
Mean −0.03838
Std Dev 0.8952


asym_sam6_rms vs run
χ² / ndf 5.394e+04 / 51
p0 517.7 ± 0.5071
750
700
650
600
550
500
450
400
350
300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5776. 0
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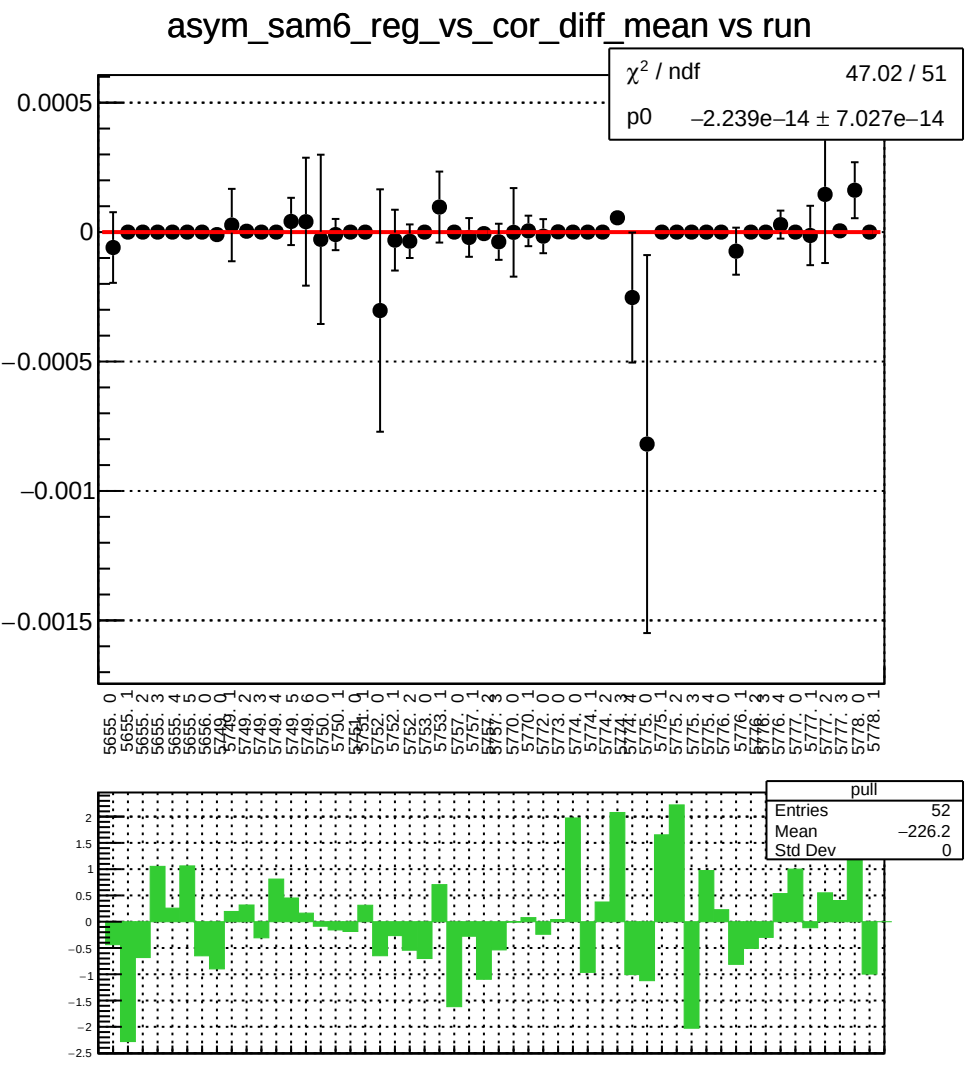
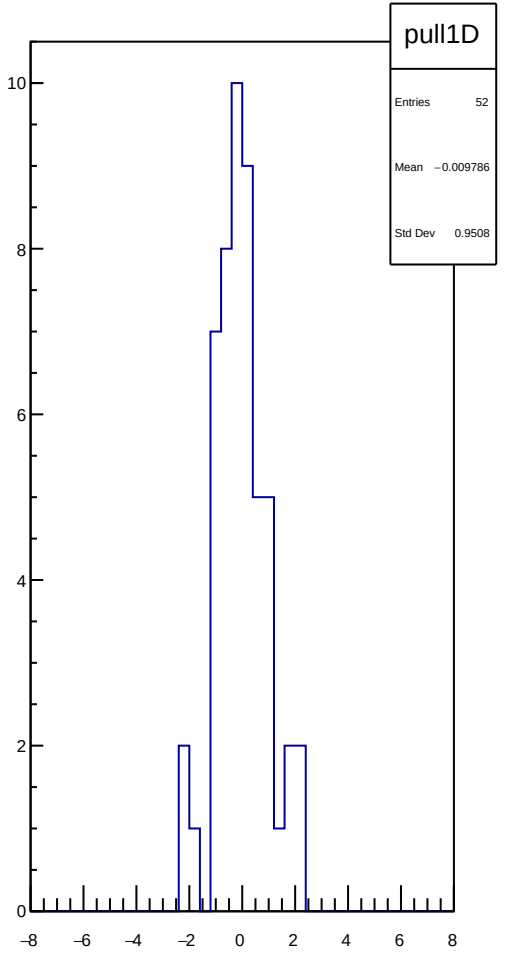
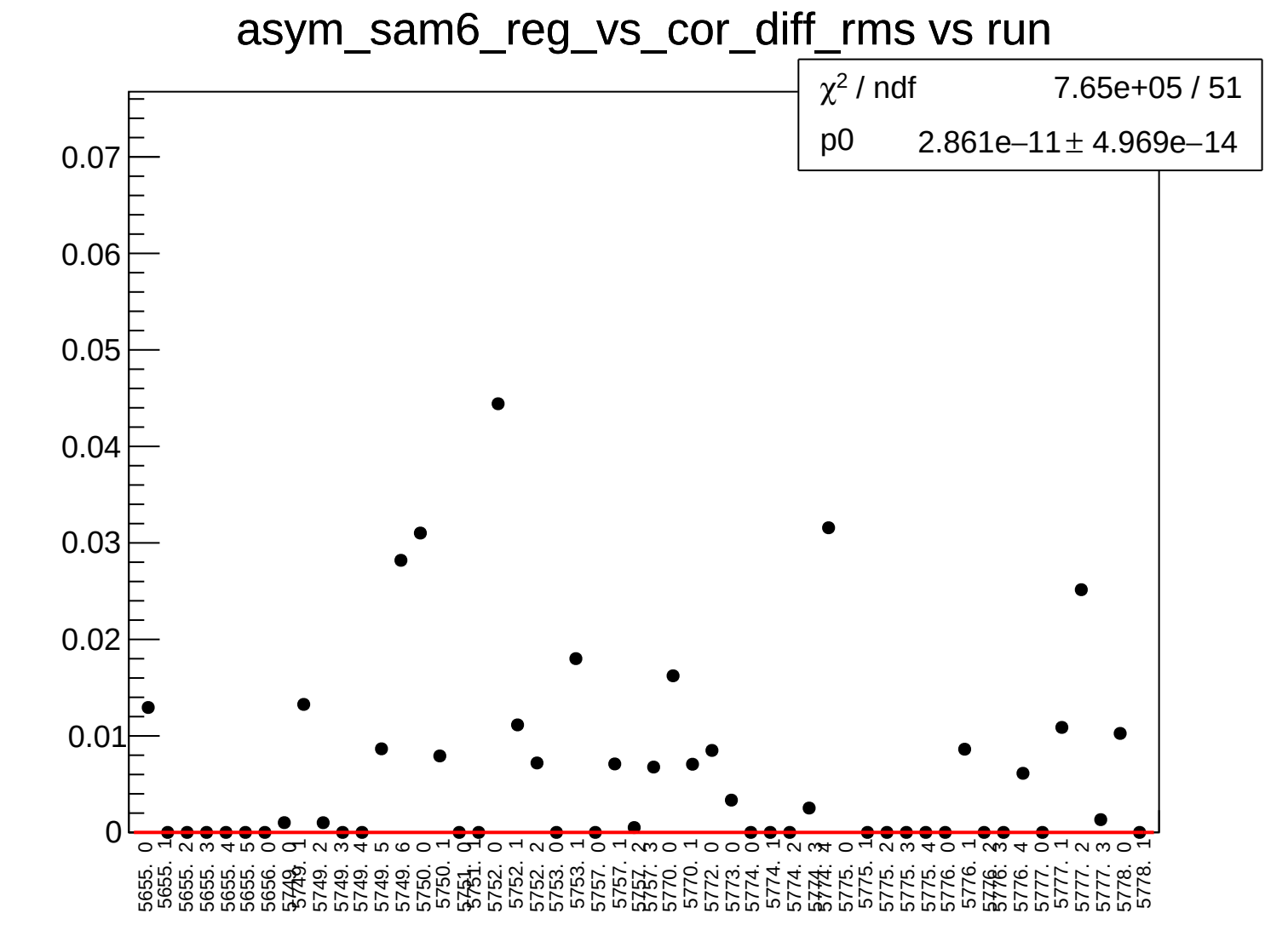
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam6_reg_vs_cor_diff_mean vs run
χ² / ndf 47.02 / 51
p0 −2.239e−14 ± 7.027e−14
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 52
Mean −226.2
Std Dev 0


pull1D
Entries 52
Mean −0.009786
Std Dev 0.9508


asym_sam6_reg_vs_cor_diff_rms vs run
χ² / ndf 7.65e+05 / 51
p0 2.861e−11 ± 4.969e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
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5656. 0
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5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
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5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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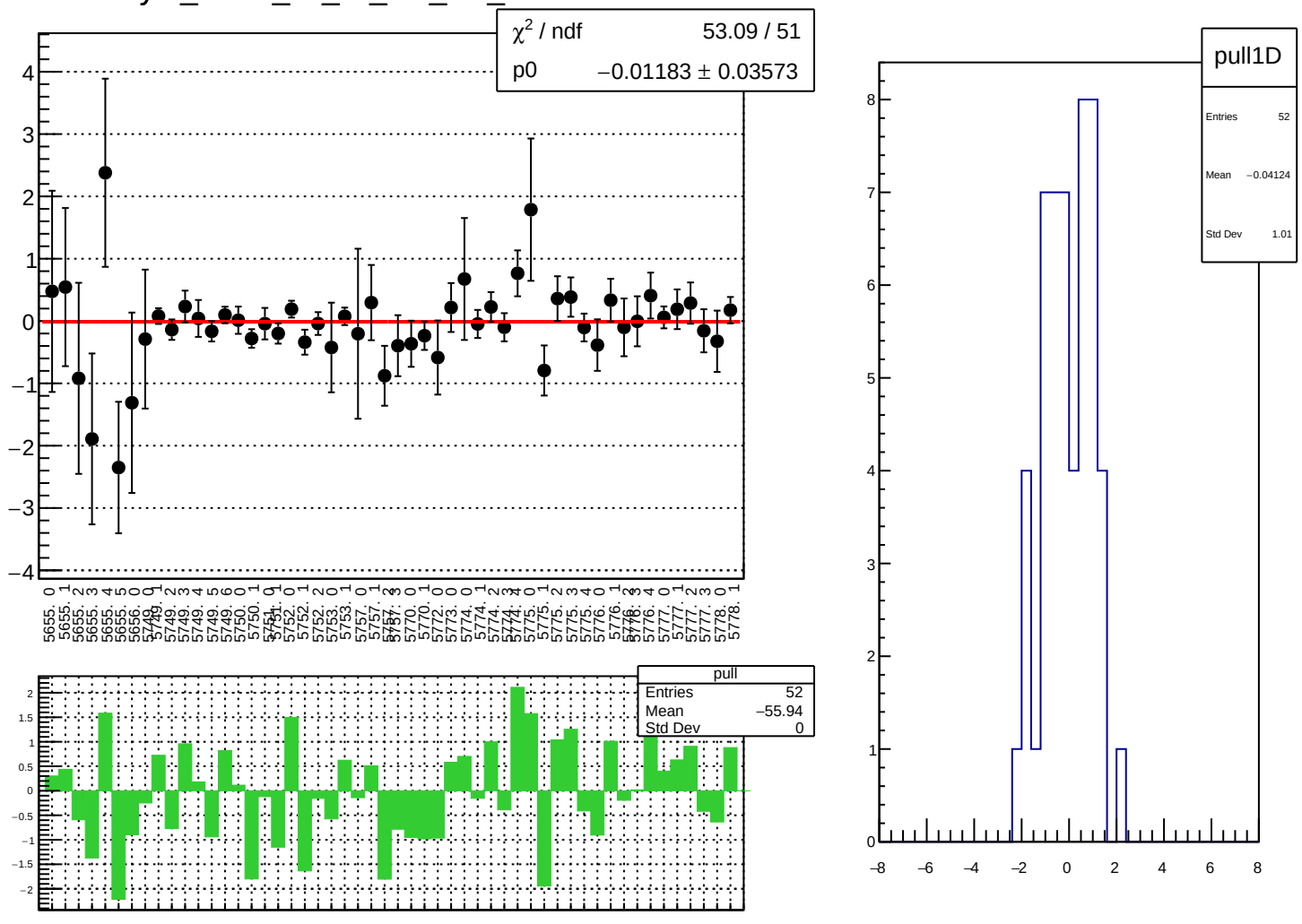
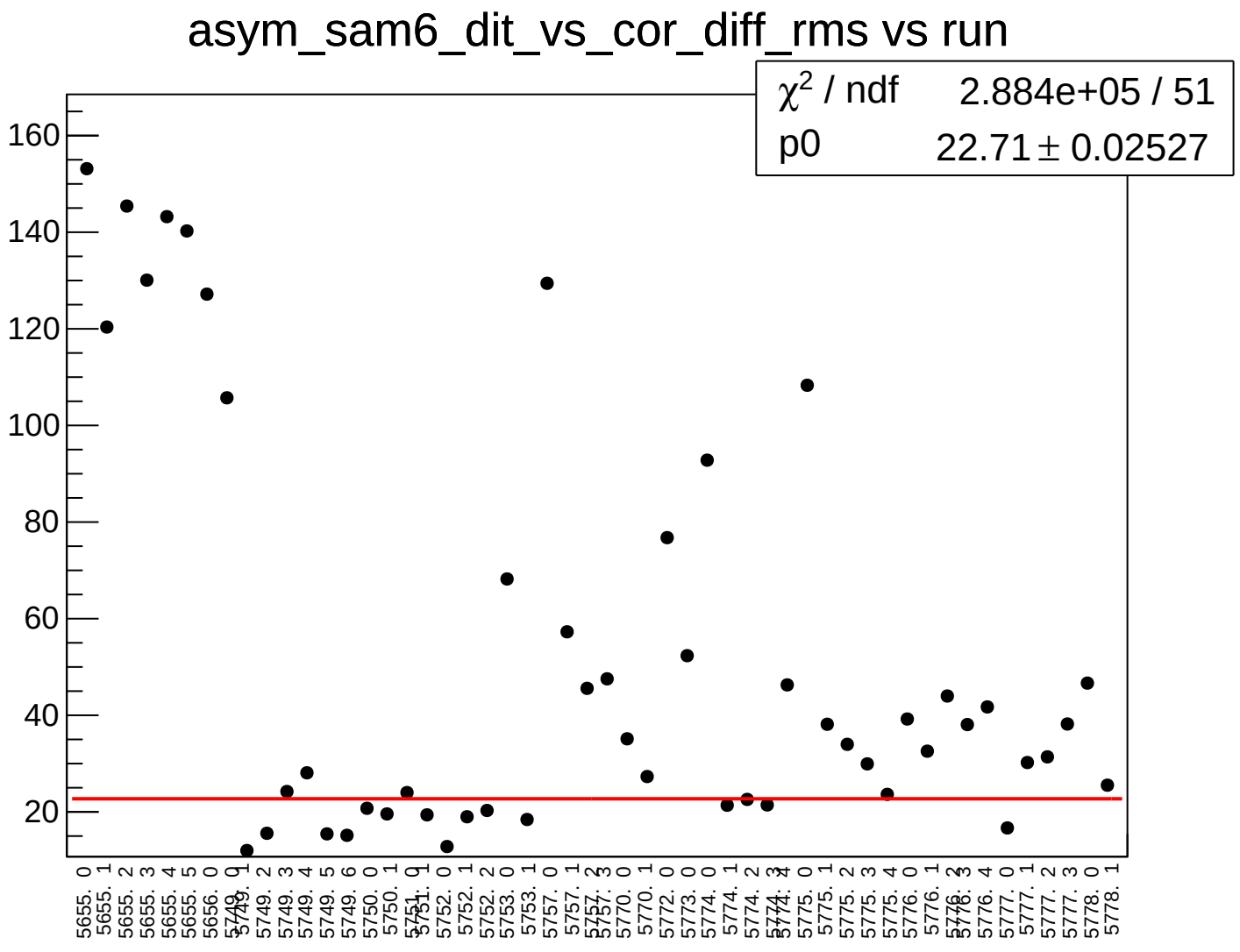

asym_sam6_dit_vs_cor_diff_mean vs run
χ² / ndf 53.09 / 51
p0 −0.01183 ± 0.03573
pull
Entries 52
Mean −55.94
Std Dev 0
pull1D
Entries 52
Mean −0.04124
Std Dev 1.01


asym_sam6_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.884e+05 / 51
p0 22.71 ± 0.02527
160
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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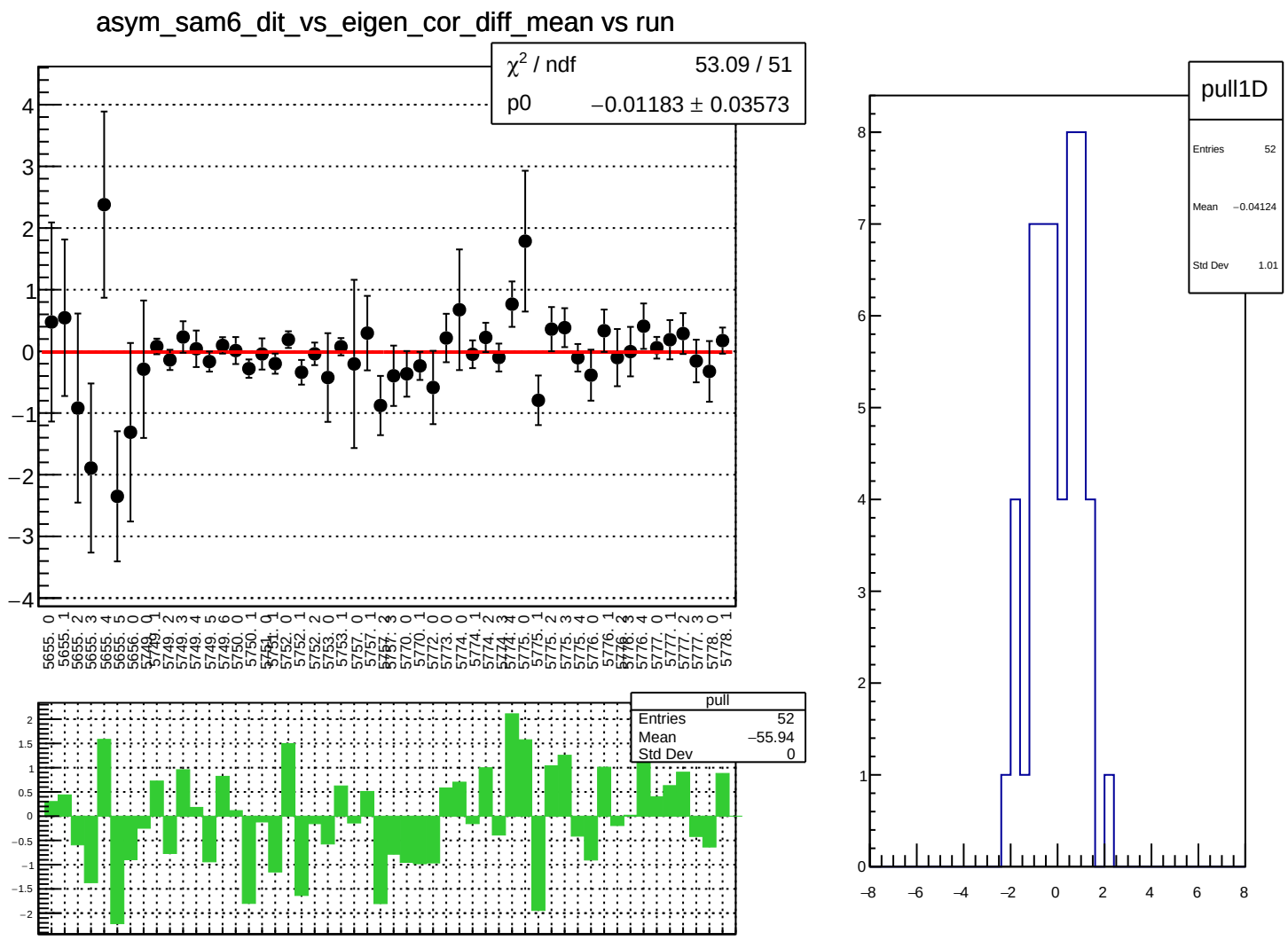
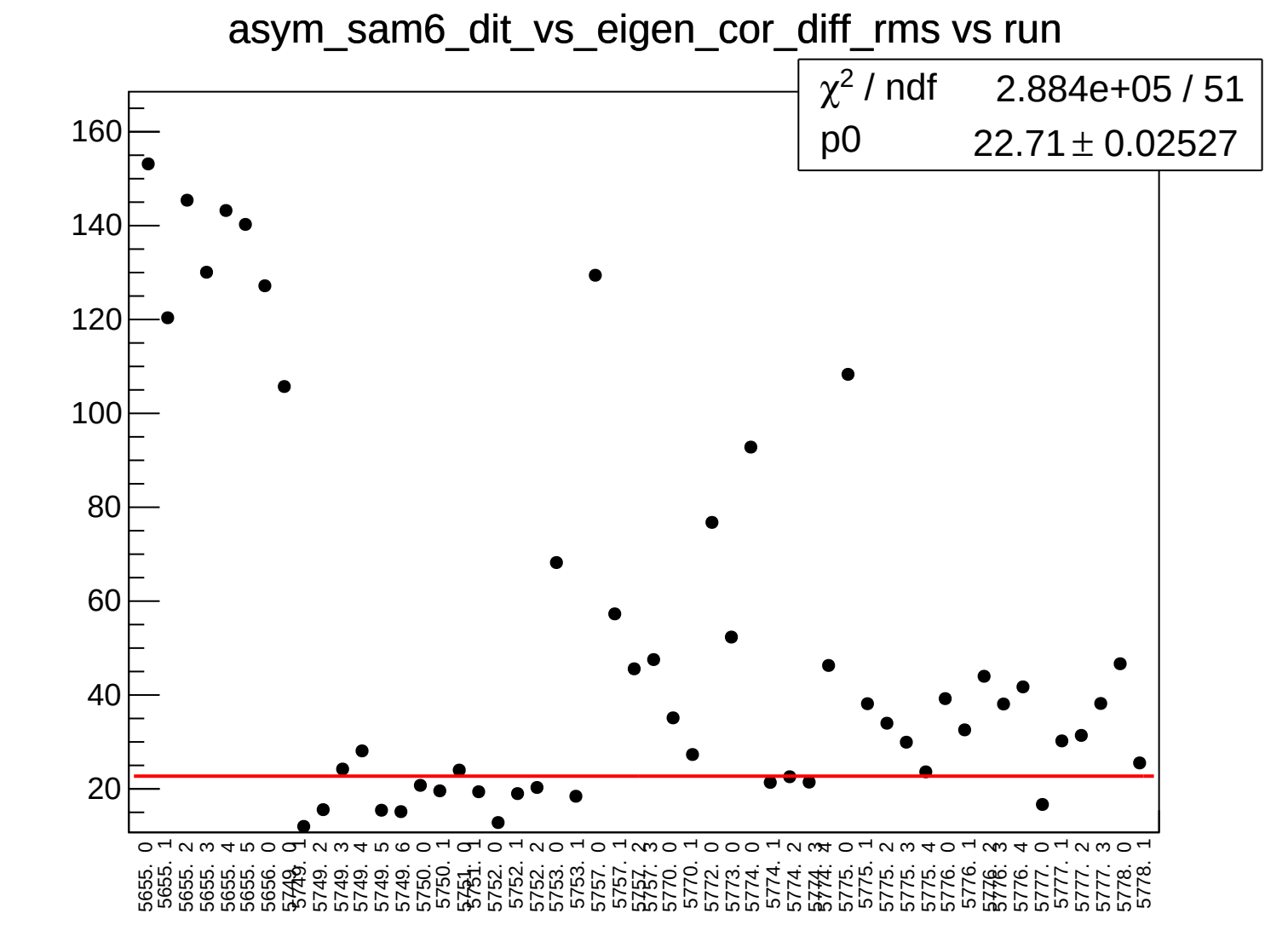
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam6_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.09 / 51
p0 −0.01183 ± 0.03573
pull
Entries 52
Mean −55.94
Std Dev 0
pull1D
Entries 52
Mean −0.04124
Std Dev 1.01


asym_sam6_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.884e+05 / 51
p0 22.71 ± 0.02527
160
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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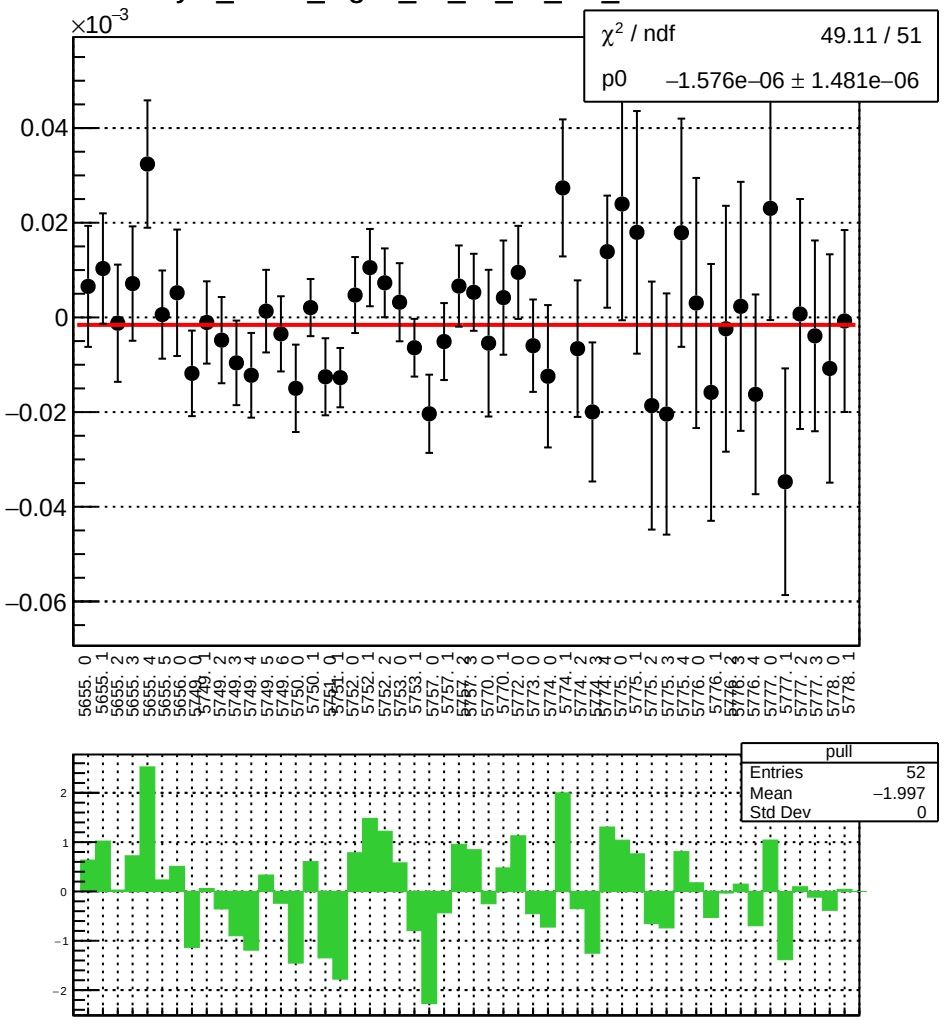
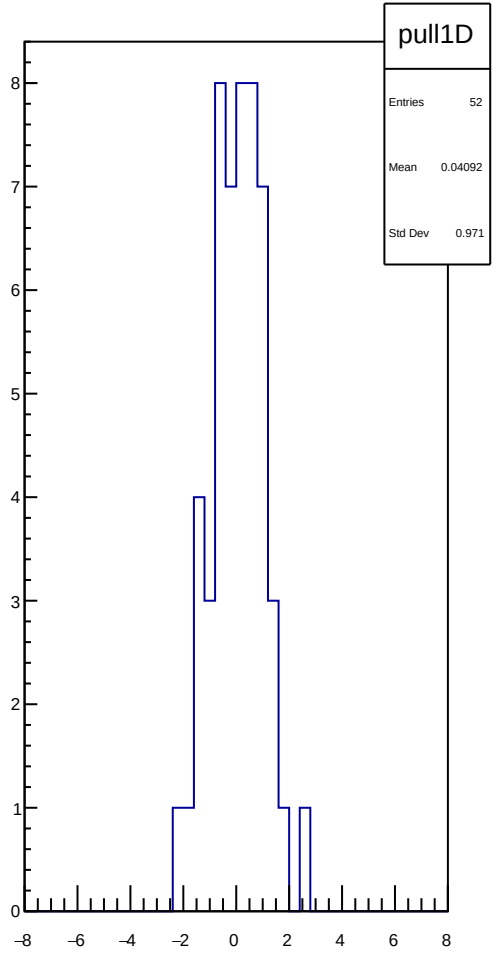
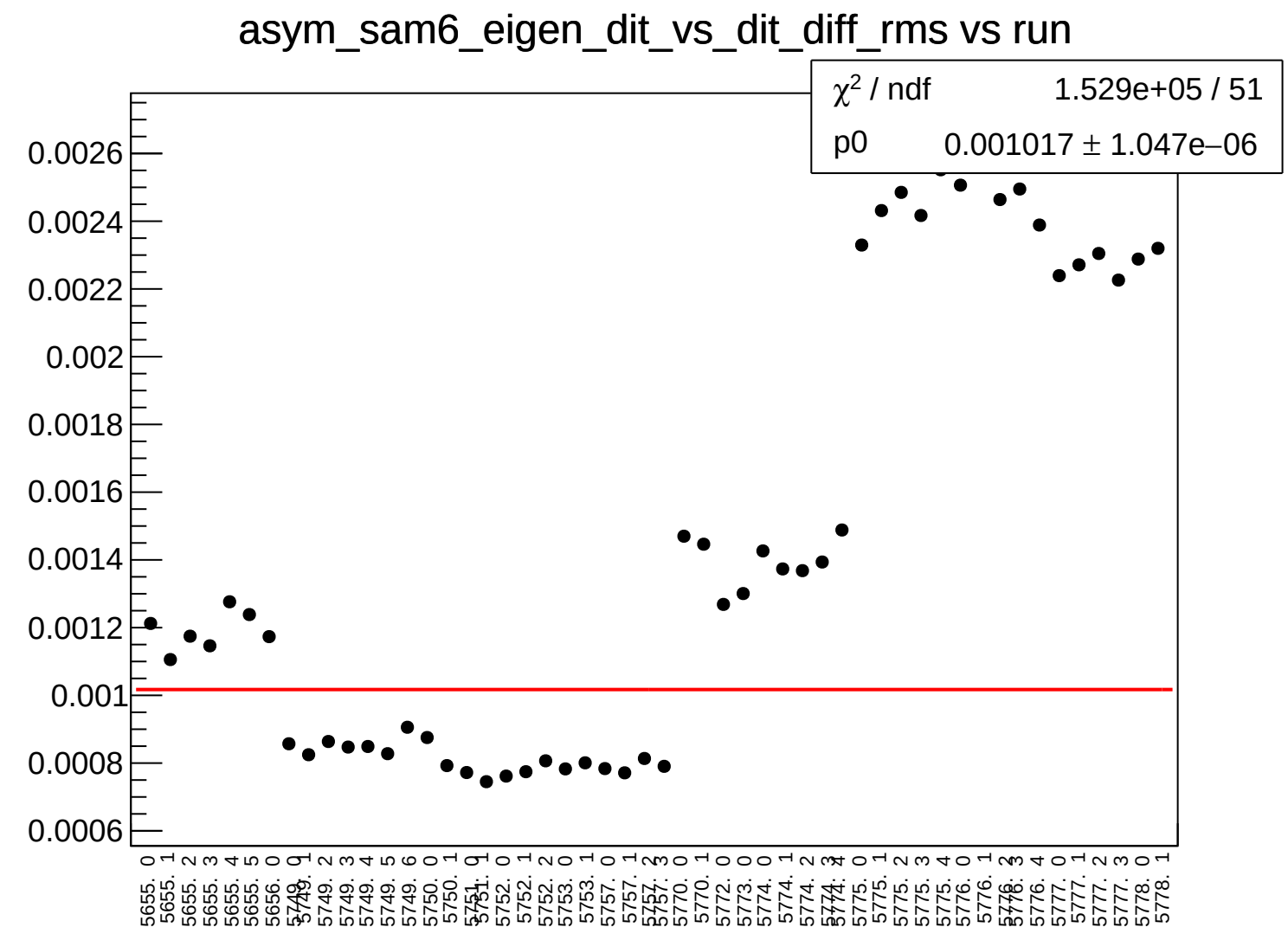
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam6_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 49.11 / 51
p0 −1.576e−06 ± 1.481e−06
pull
Entries 52
Mean −1.997
Std Dev 0


pull1D
Entries 52
Mean 0.04092
Std Dev 0.971


asym_sam6_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.529e+05 / 51
p0 0.001017 ± 1.047e−06
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
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5753. 1
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5773. 0
5774. 0
5774. 1
5774. 2
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5774. 4
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
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5777. 2
5777. 3
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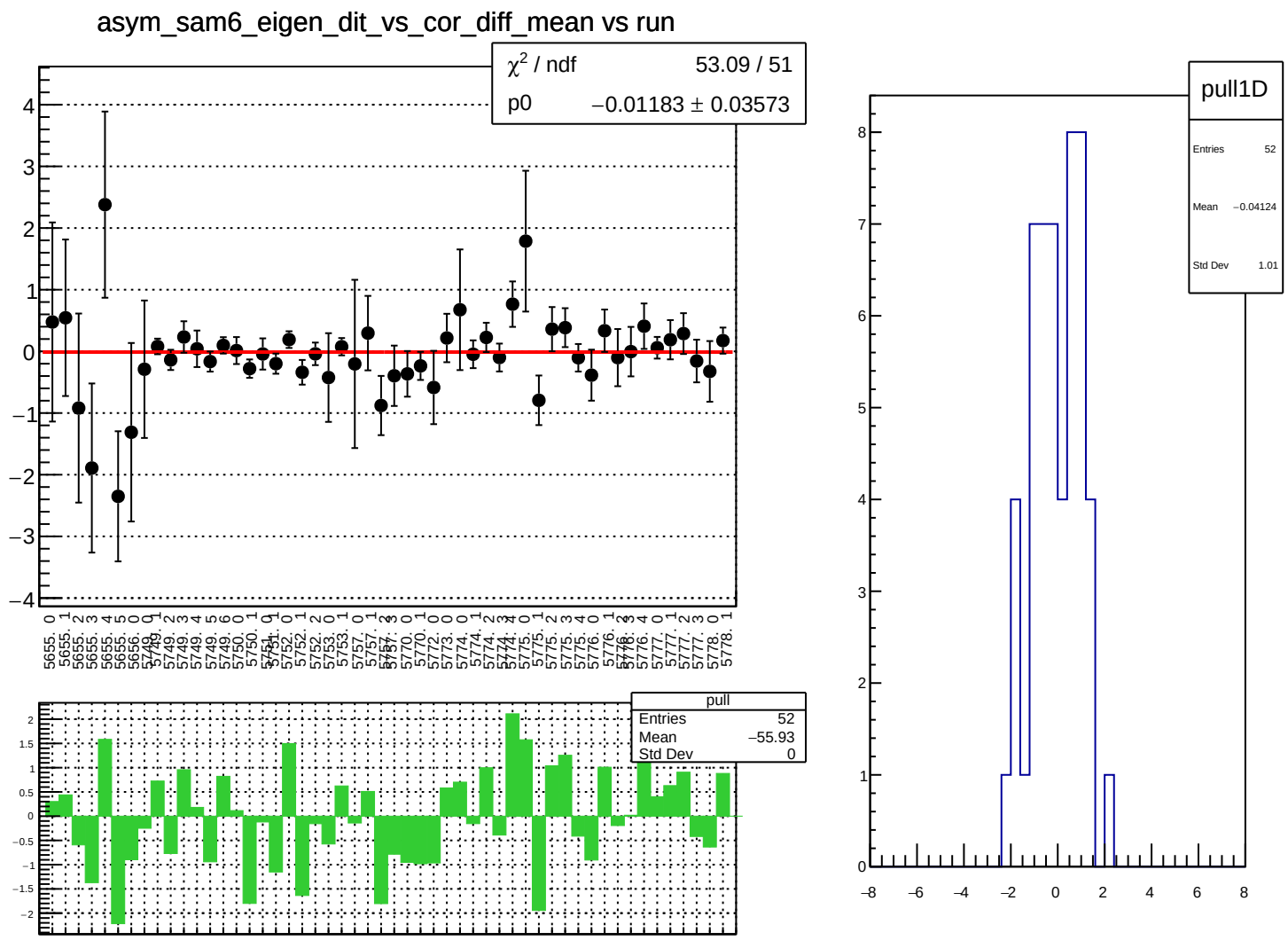
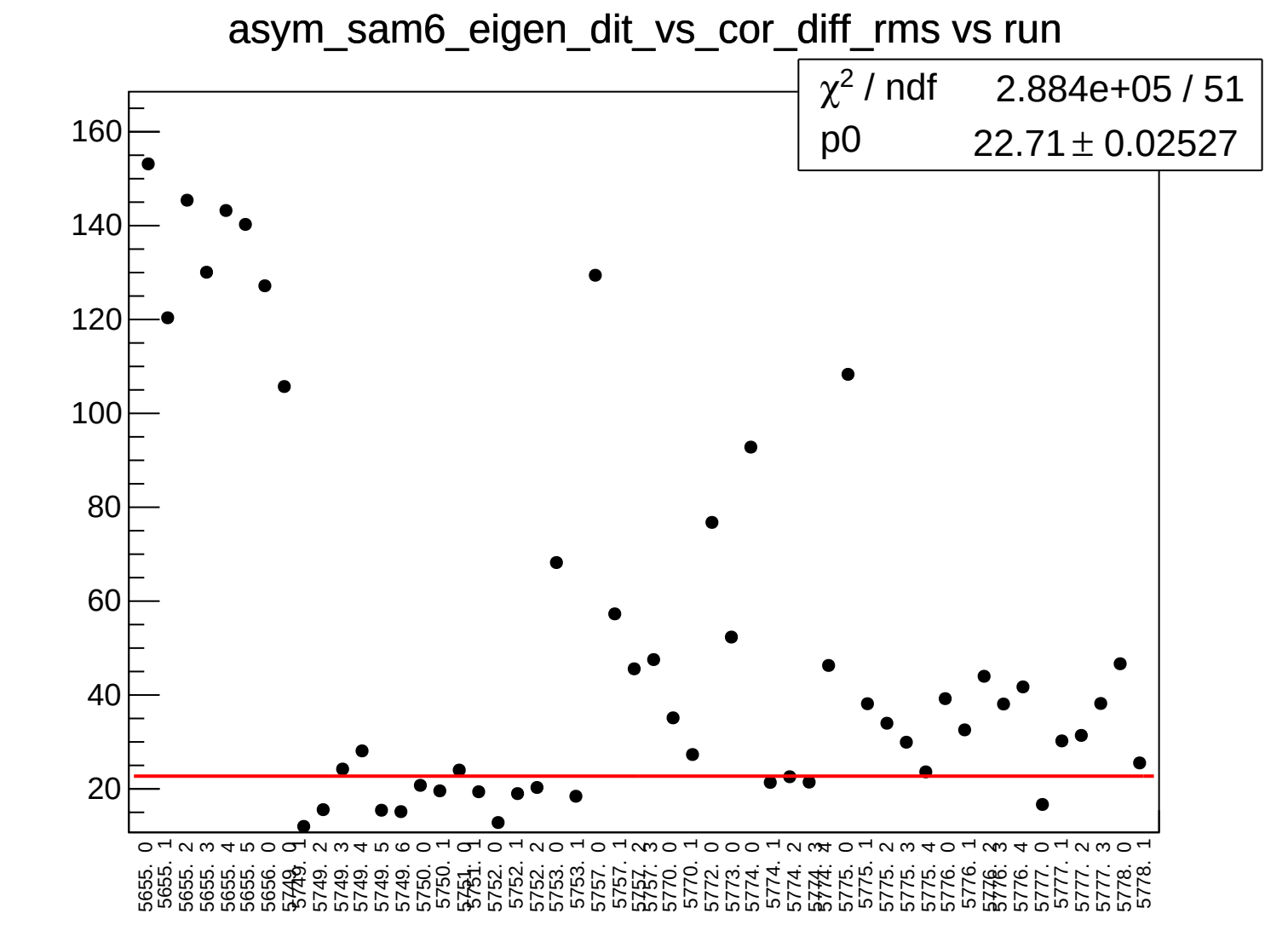
5778. 1


asym_sam6_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.09 / 51
p0 −0.01183 ± 0.03573
pull
Entries 52
Mean −55.93
Std Dev 0
pull1D
Entries 52
Mean −0.04124
Std Dev 1.01


asym_sam6_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.884e+05 / 51
p0 22.71 ± 0.02527
160
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
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5775. 3
5775. 4
5776. 0
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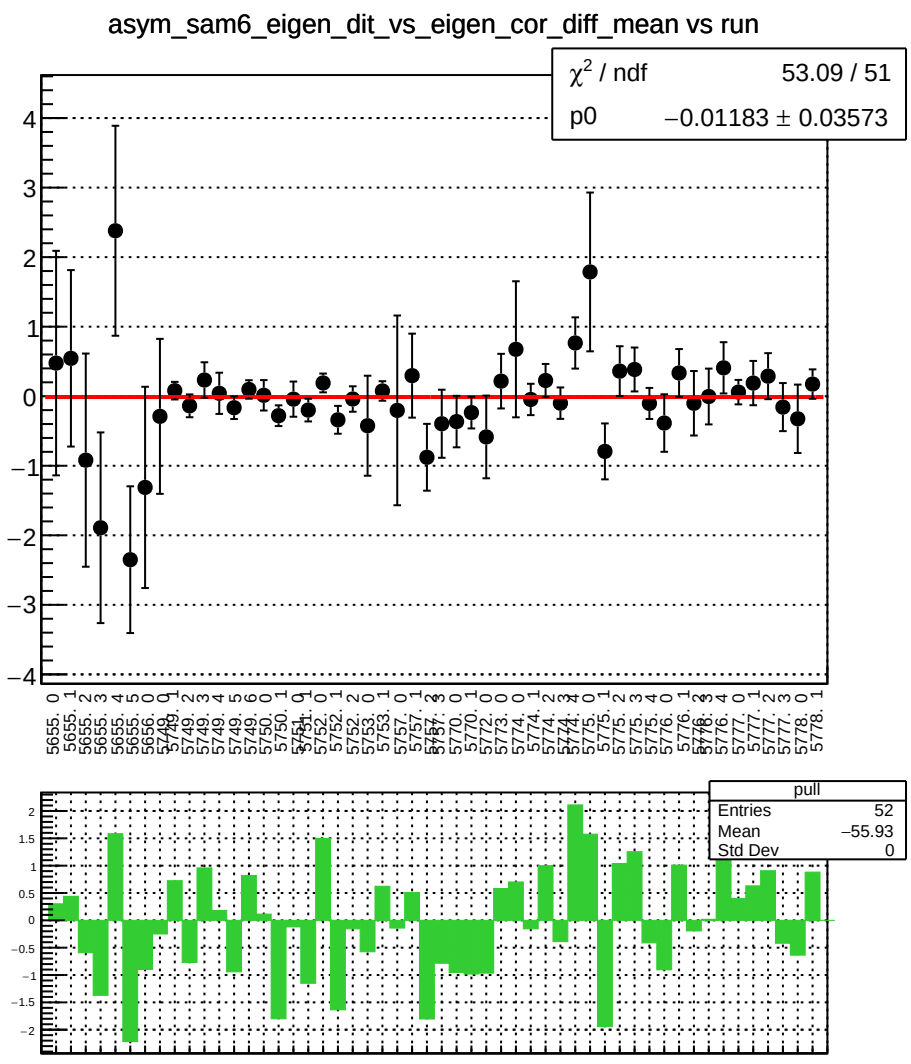
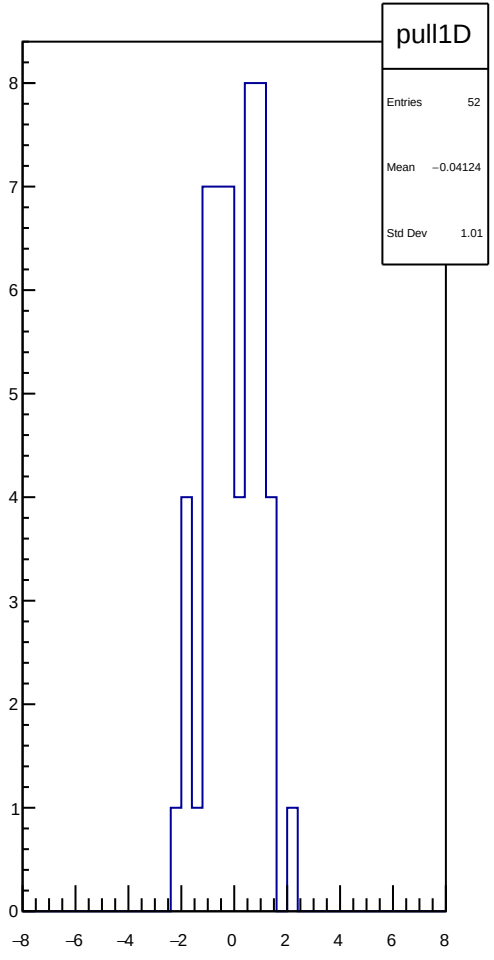
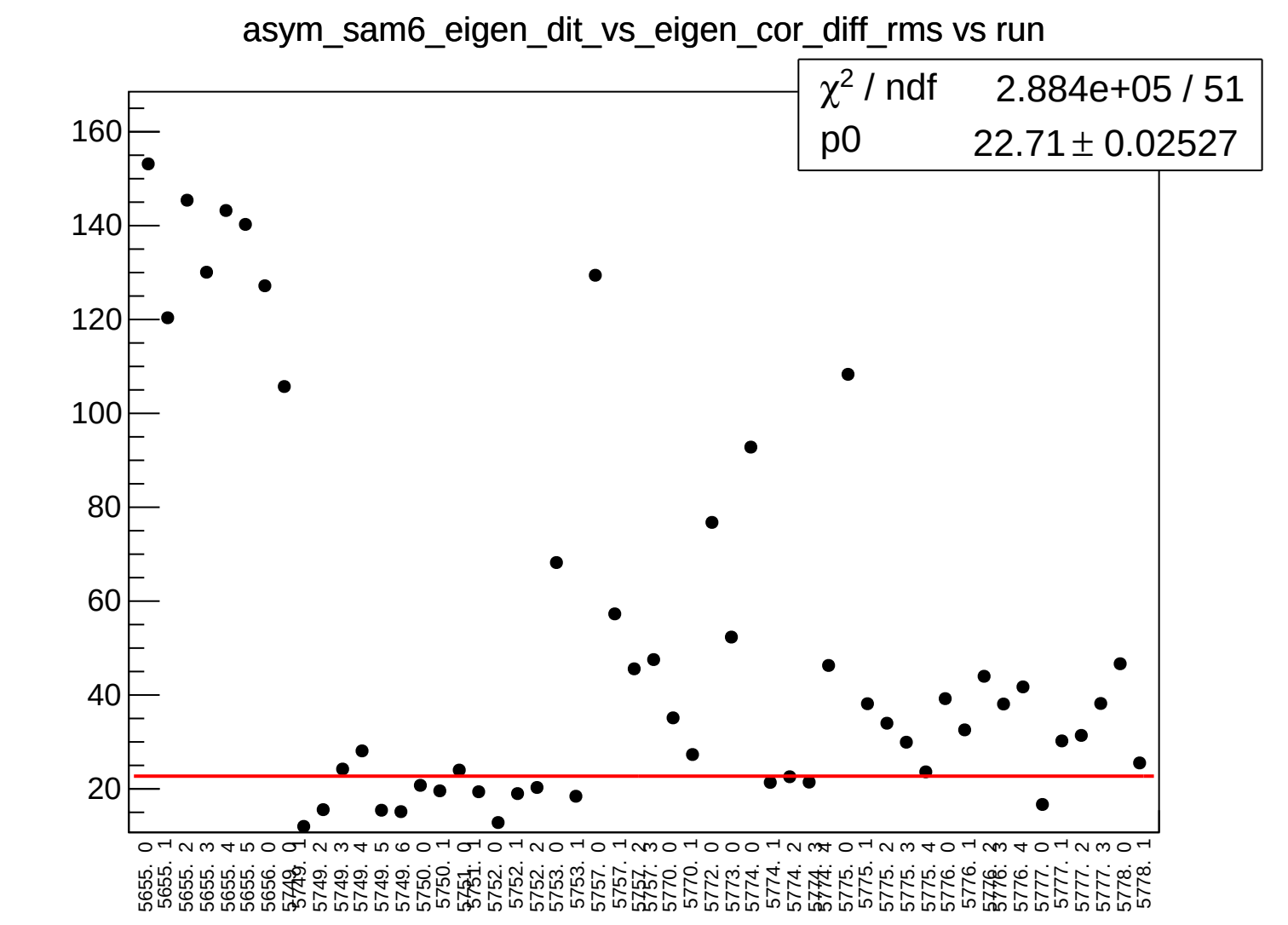

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.09 / 51
p0 −0.01183 ± 0.03573
pull
Entries 52
Mean −55.93
Std Dev 0


pull1D
Entries 52
Mean −0.04124
Std Dev 1.01


asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.884e+05 / 51
p0 22.71 ± 0.02527
160
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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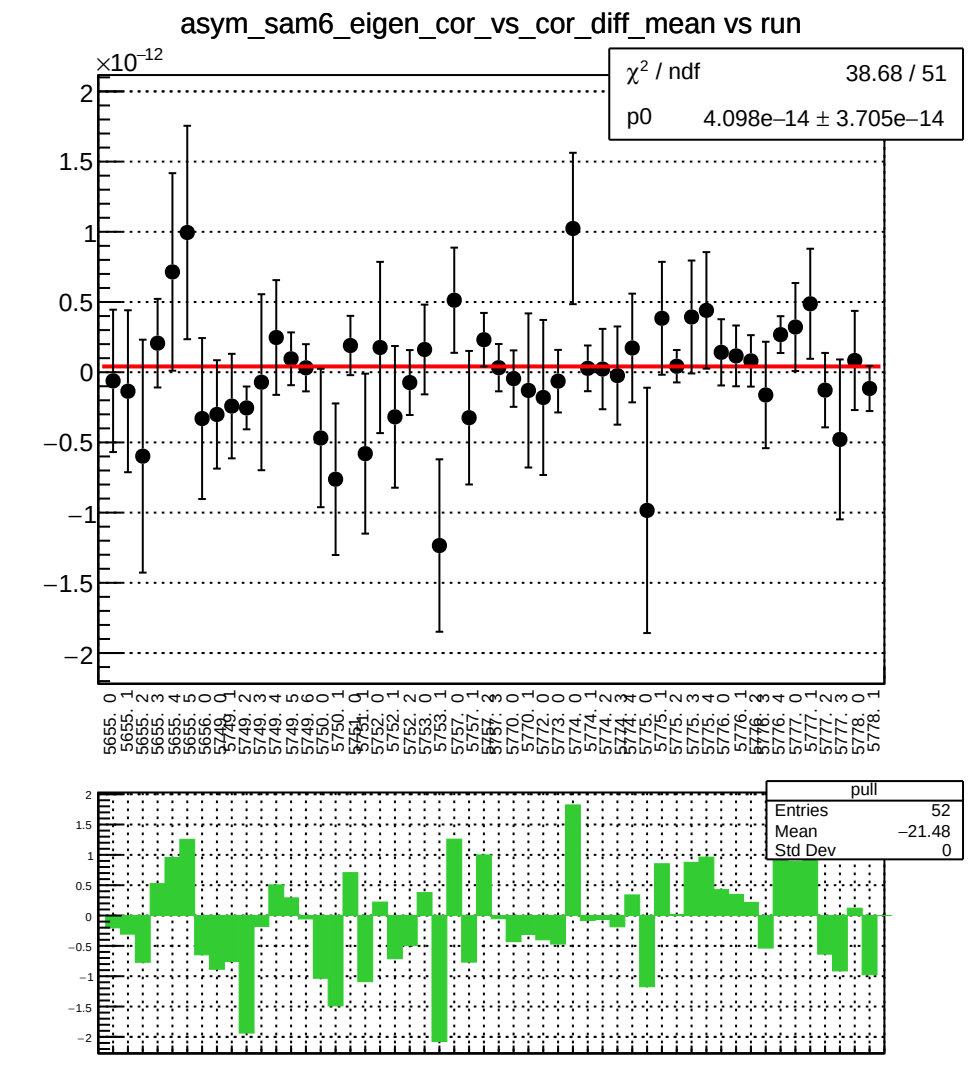
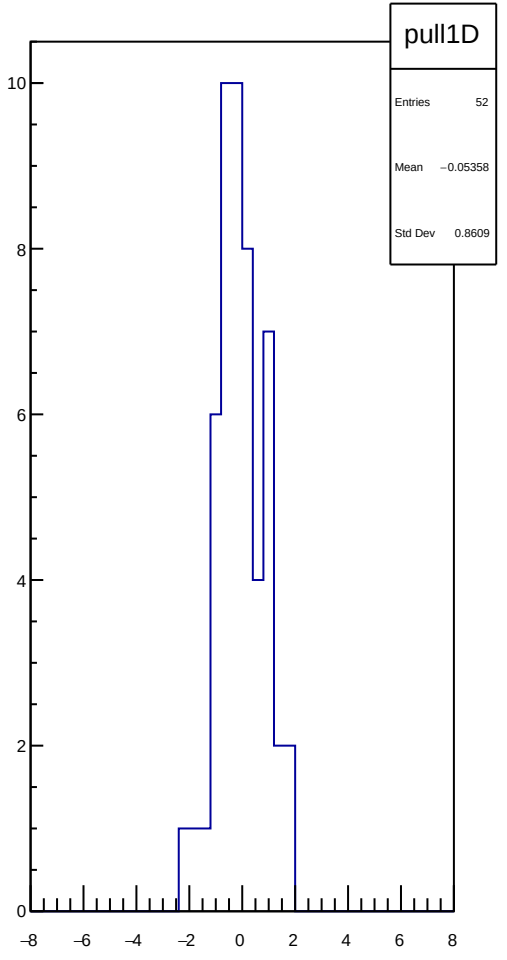
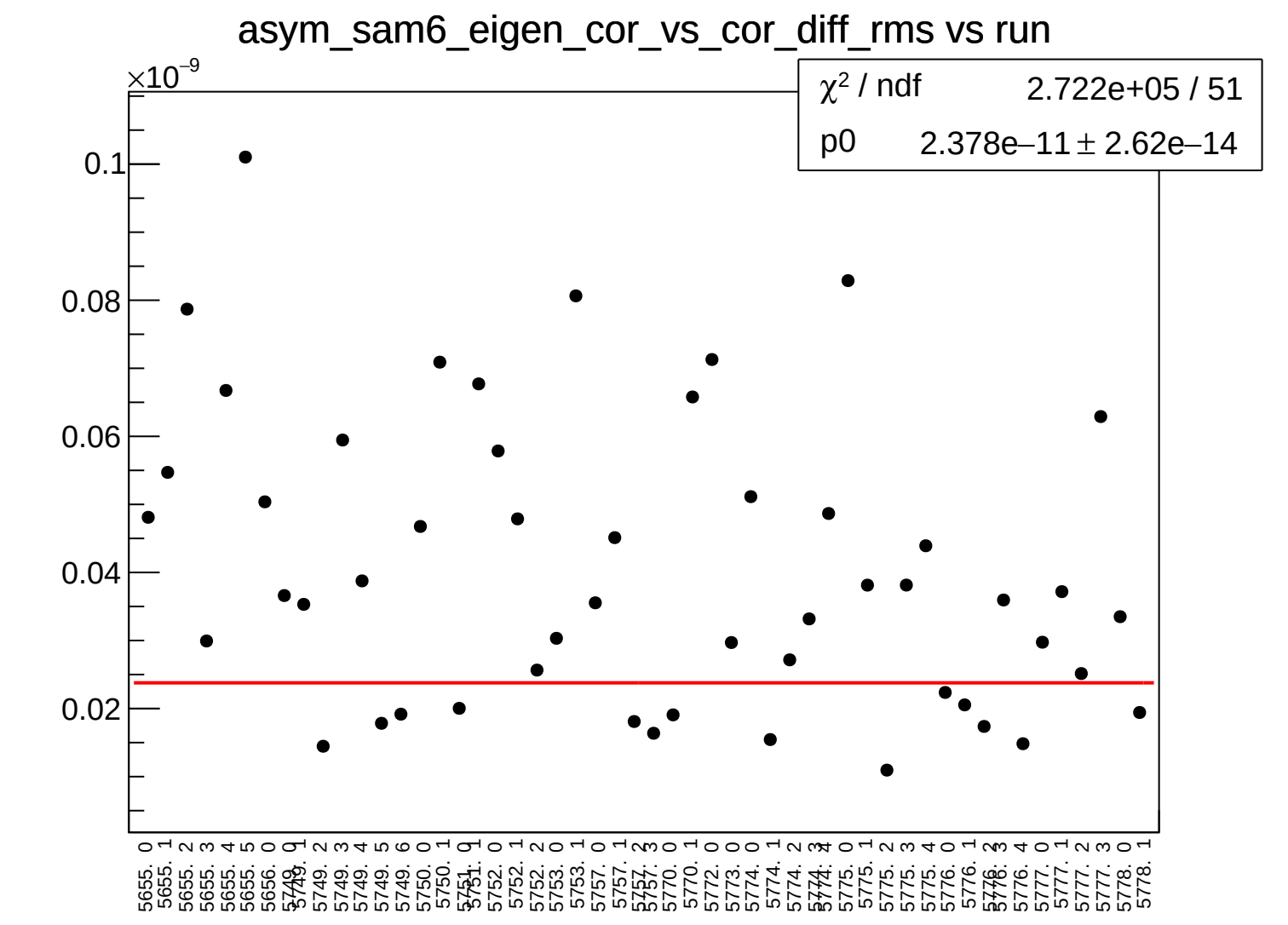
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam6_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 38.68 / 51
p0 4.098e−14 ± 3.705e−14
pull
Entries 52
Mean −21.48
Std Dev 0


pull1D
Entries 52
Mean −0.05358
Std Dev 0.8609


asym_sam6_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.722e+05 / 51
p0 2.378e−11 ± 2.62e−14
0.1
0.08
0.06
0.04
0.02
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
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5752. 2
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5753. 1
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5757. 1
5757. 2
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5773. 0
5774. 0
5774. 1
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5775. 1
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5776. 3
5776. 4
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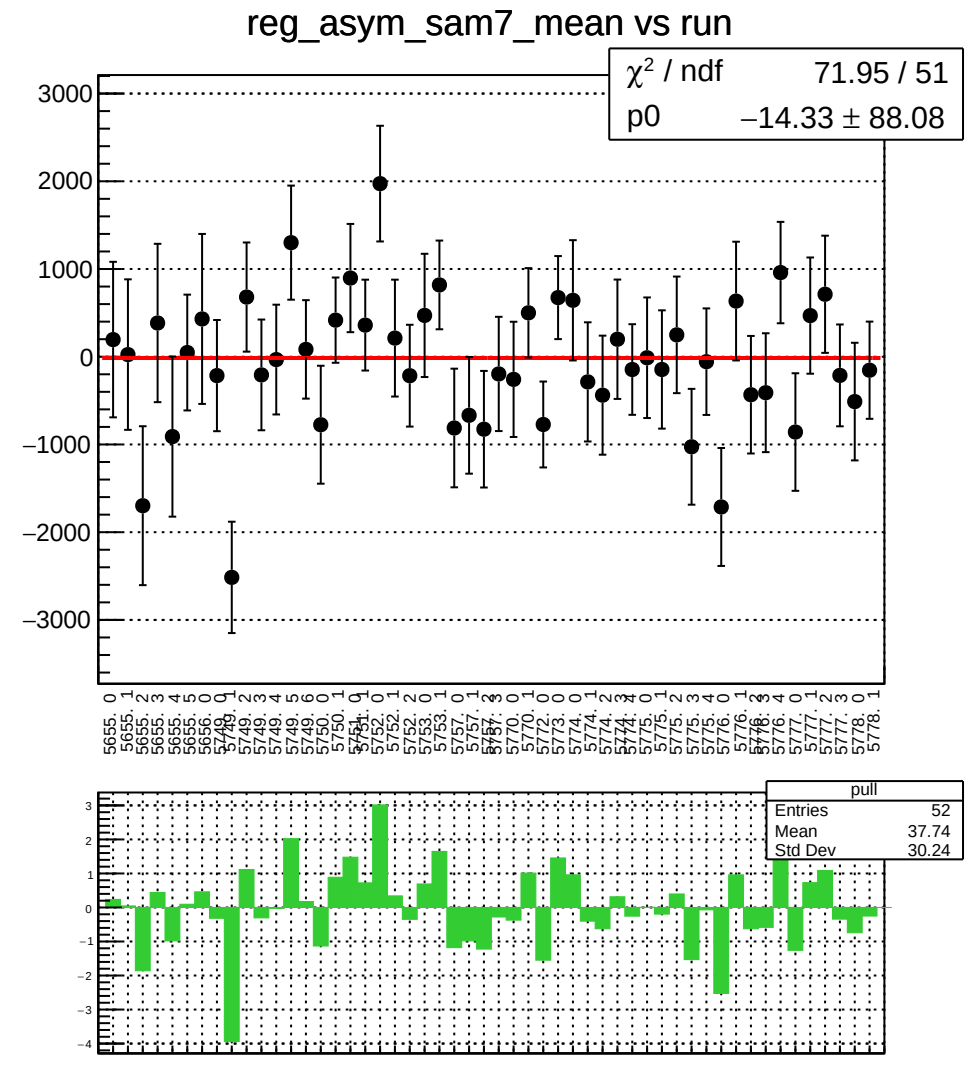
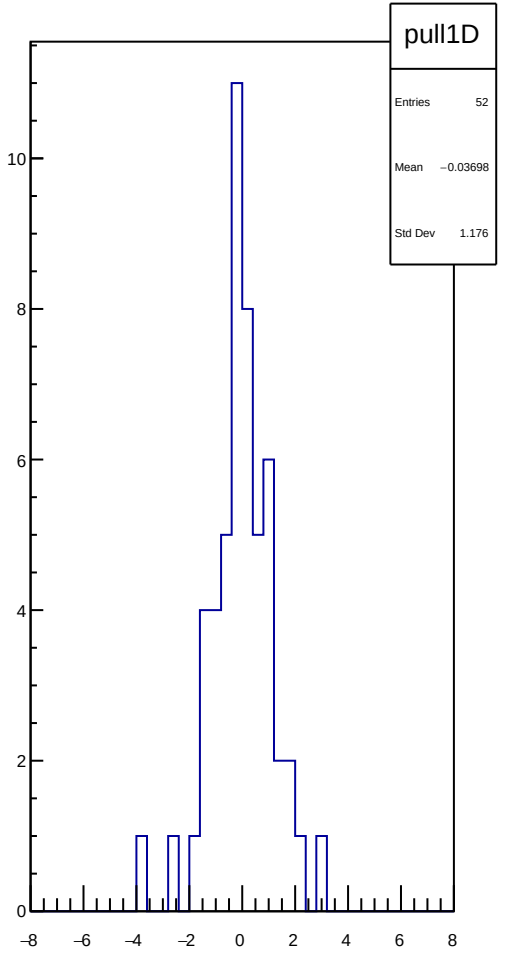
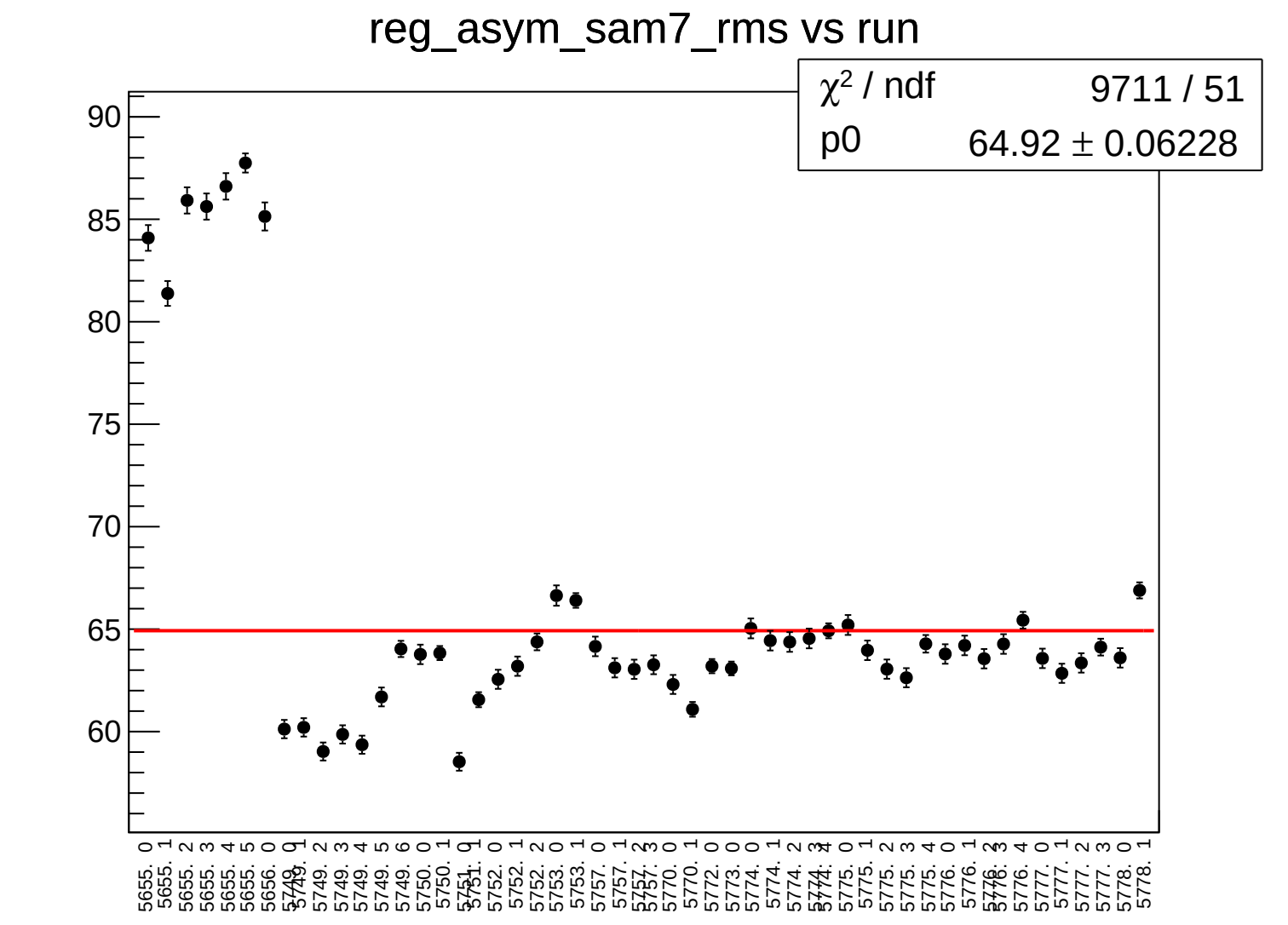
5777. 3
5778. 0
5778. 1


reg_asym_sam7_mean vs run
χ² / ndf 71.95 / 51
p0 −14.33 ± 88.08
pull
Entries 52
Mean 37.74
Std Dev 30.24


pull1D
Entries 52
Mean −0.03698
Std Dev 1.176


reg_asym_sam7_rms vs run
χ^2 / ndf 9711 / 51
p0 64.92 ± 0.06228
90
85
80
75
70
65
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5773. 0
5774. 0
5774. 1
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5775. 0
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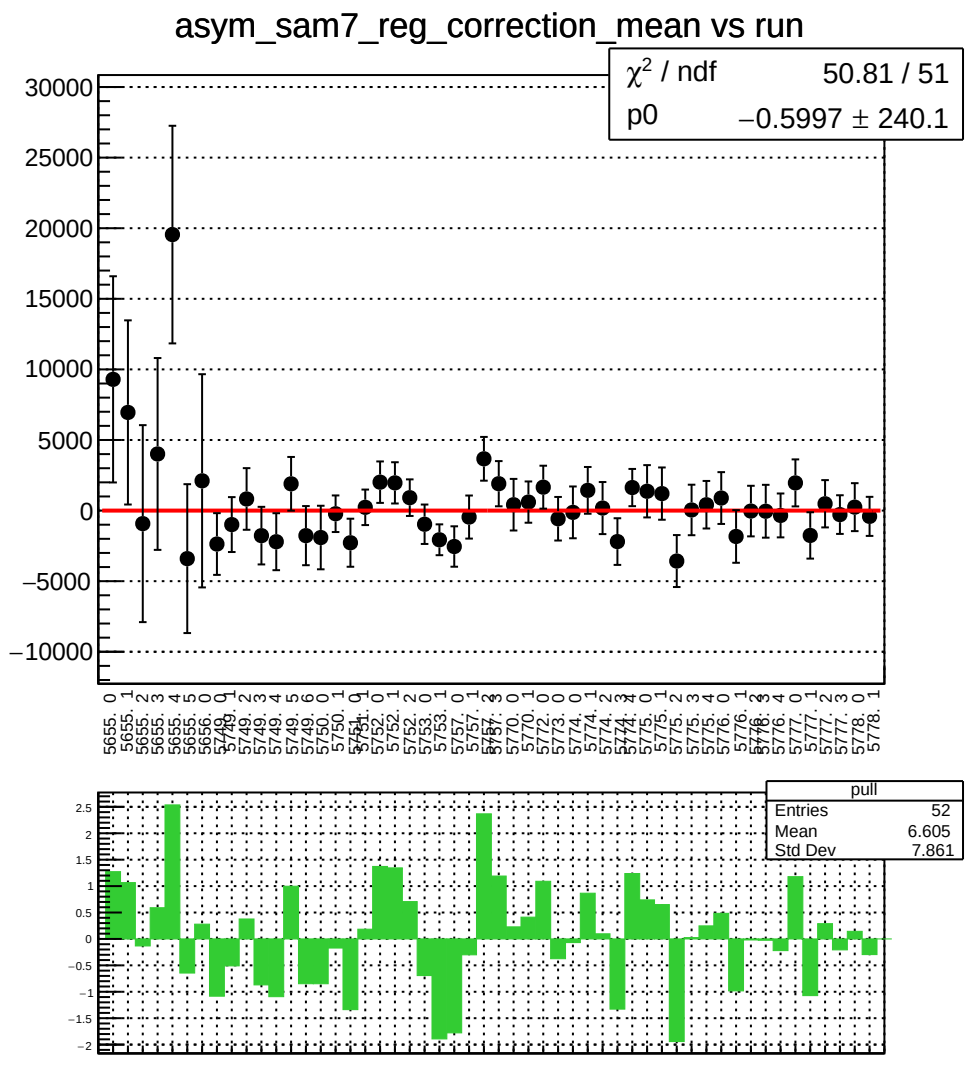
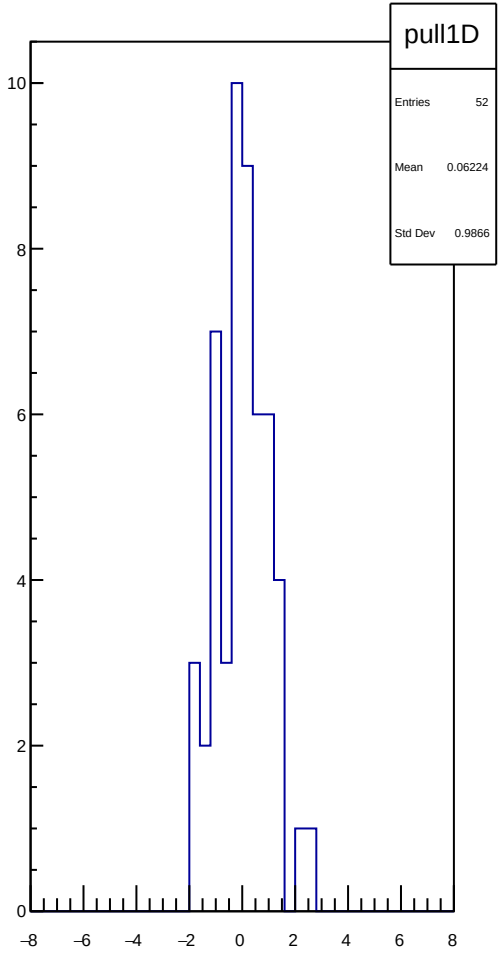
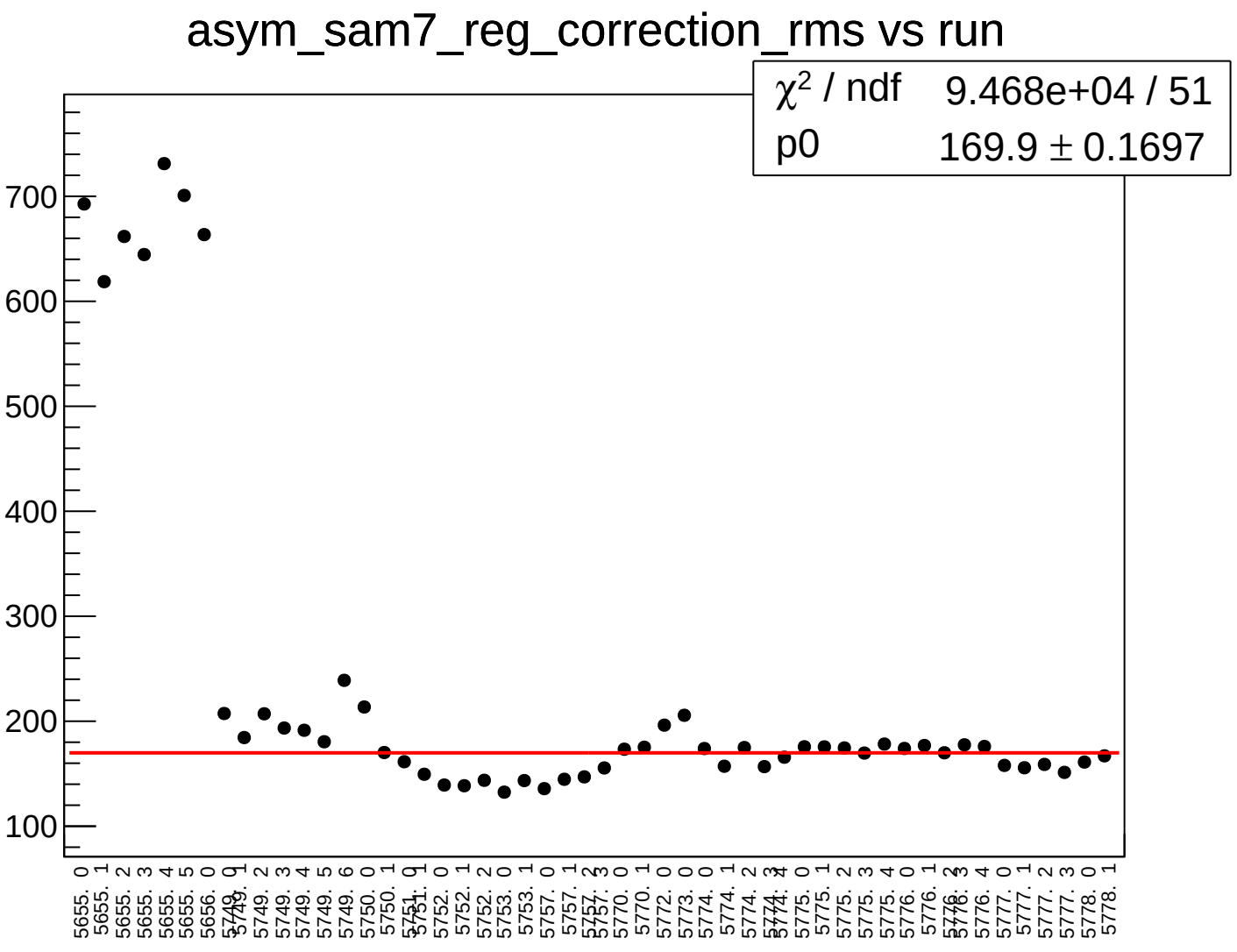

asym_sam7_reg_correction_mean vs run
χ² / ndf 50.81 / 51
p0 −0.5997 ± 240.1
pull
Entries 52
Mean 6.605
Std Dev 7.861


pull1D
Entries 52
Mean 0.06224
Std Dev 0.9866


asym_sam7_reg_correction_rms vs run
χ² / ndf 9.468e+04 / 51
p0 169.9 ± 0.1697
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5749. 6
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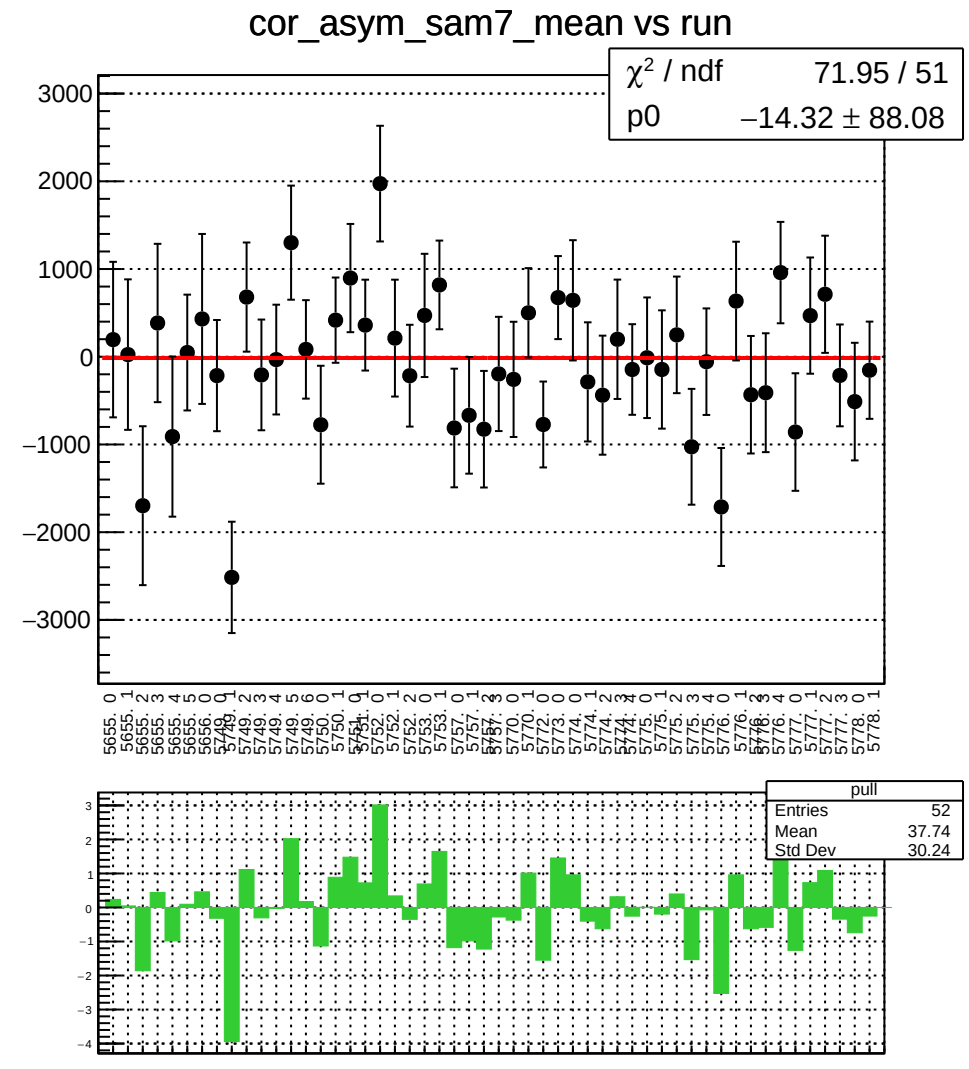
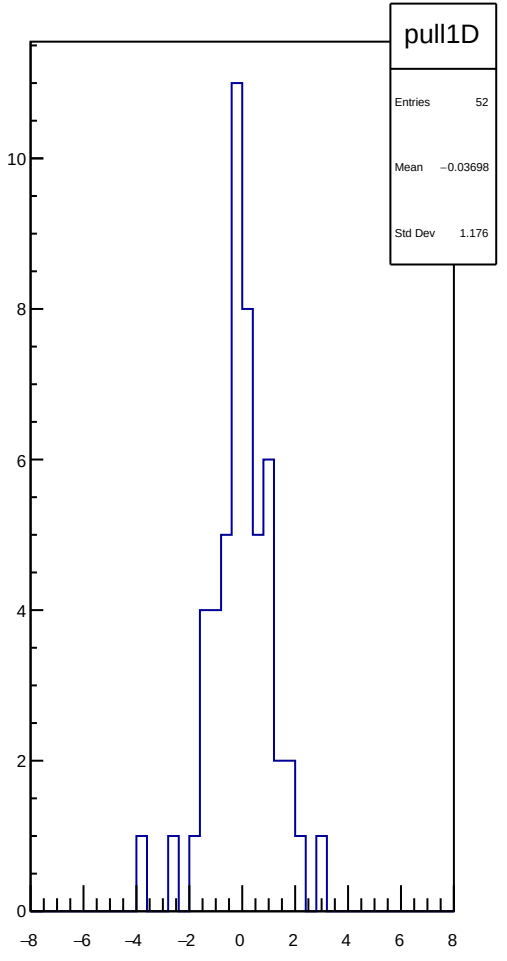
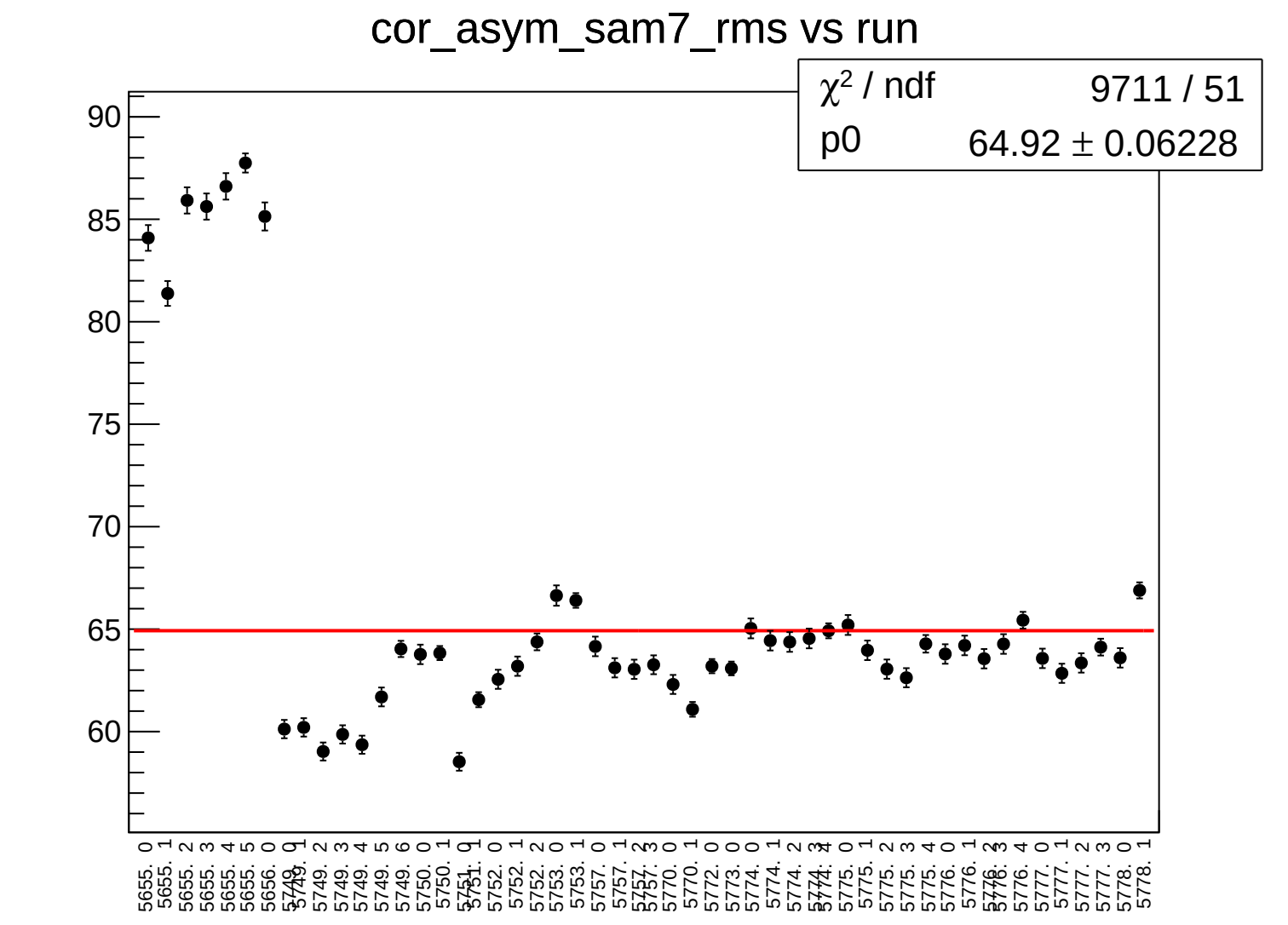

cor_asym_sam7_mean vs run
χ² / ndf 71.95 / 51
p0 −14.32 ± 88.08
pull
Entries 52
Mean 37.74
Std Dev 30.24


pull1D
Entries 52
Mean −0.03698
Std Dev 1.176


cor_asym_sam7_rms vs run
χ² / ndf 9711 / 51
p0 64.92 ± 0.06228
90
85
80
75
70
65
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
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5774. 1
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5774. 4
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5776. 0
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5777. 1
5777. 2
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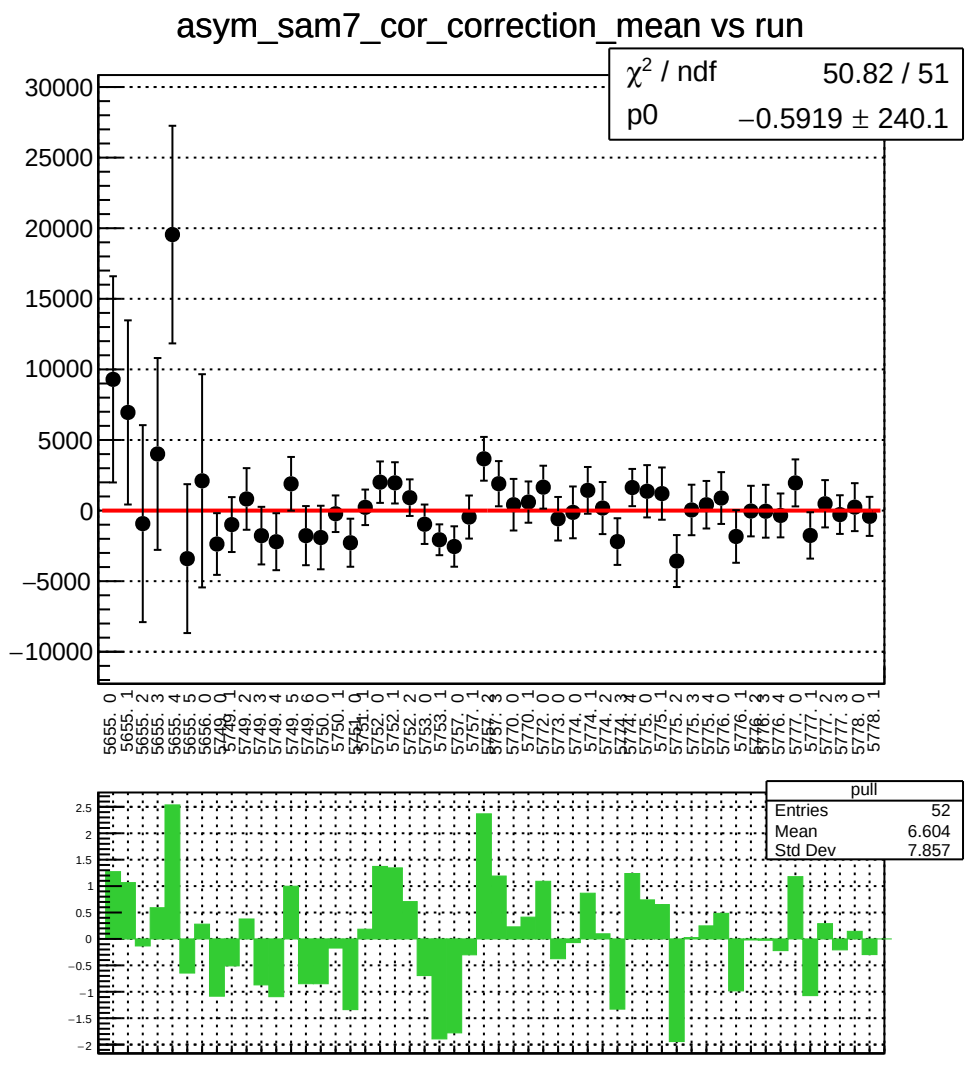
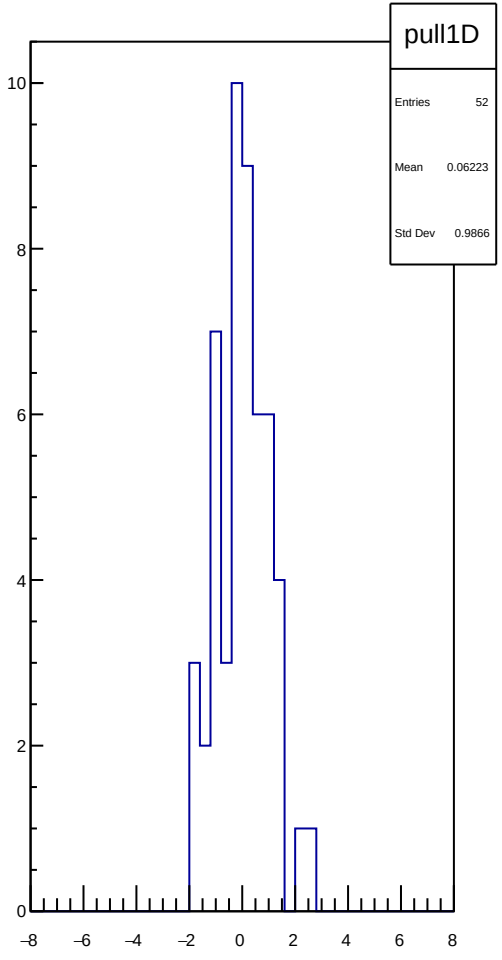
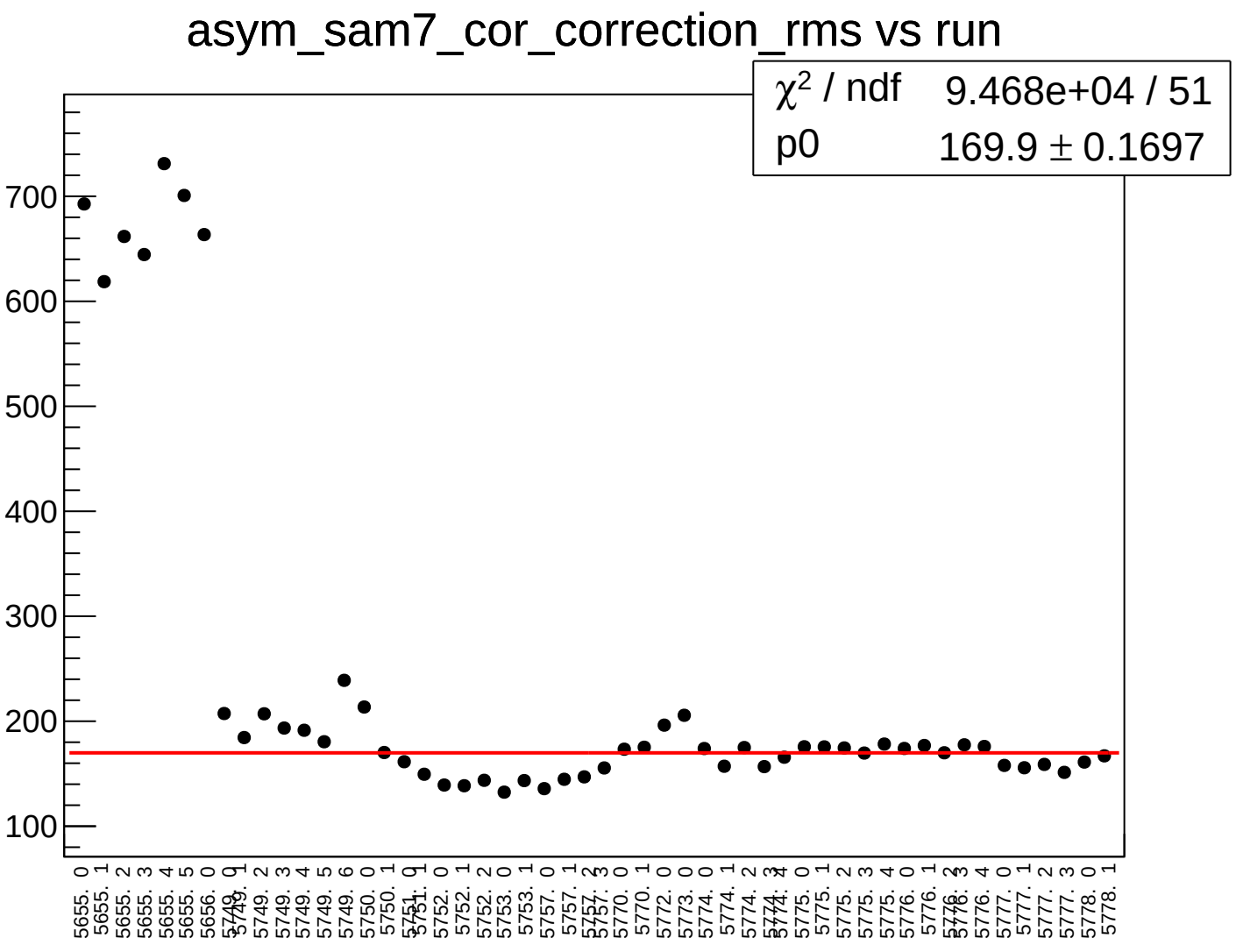
5778. 0
5778. 1


asym_sam7_cor_correction_mean vs run
χ² / ndf 50.82 / 51
p0 −0.5919 ± 240.1
pull
Entries 52
Mean 6.604
Std Dev 7.857


pull1D
Entries 52
Mean 0.06223
Std Dev 0.9866


asym_sam7_cor_correction_rms vs run
χ² / ndf 9.468e+04 / 51
p0 169.9 ± 0.1697
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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5751. 1
5752. 0
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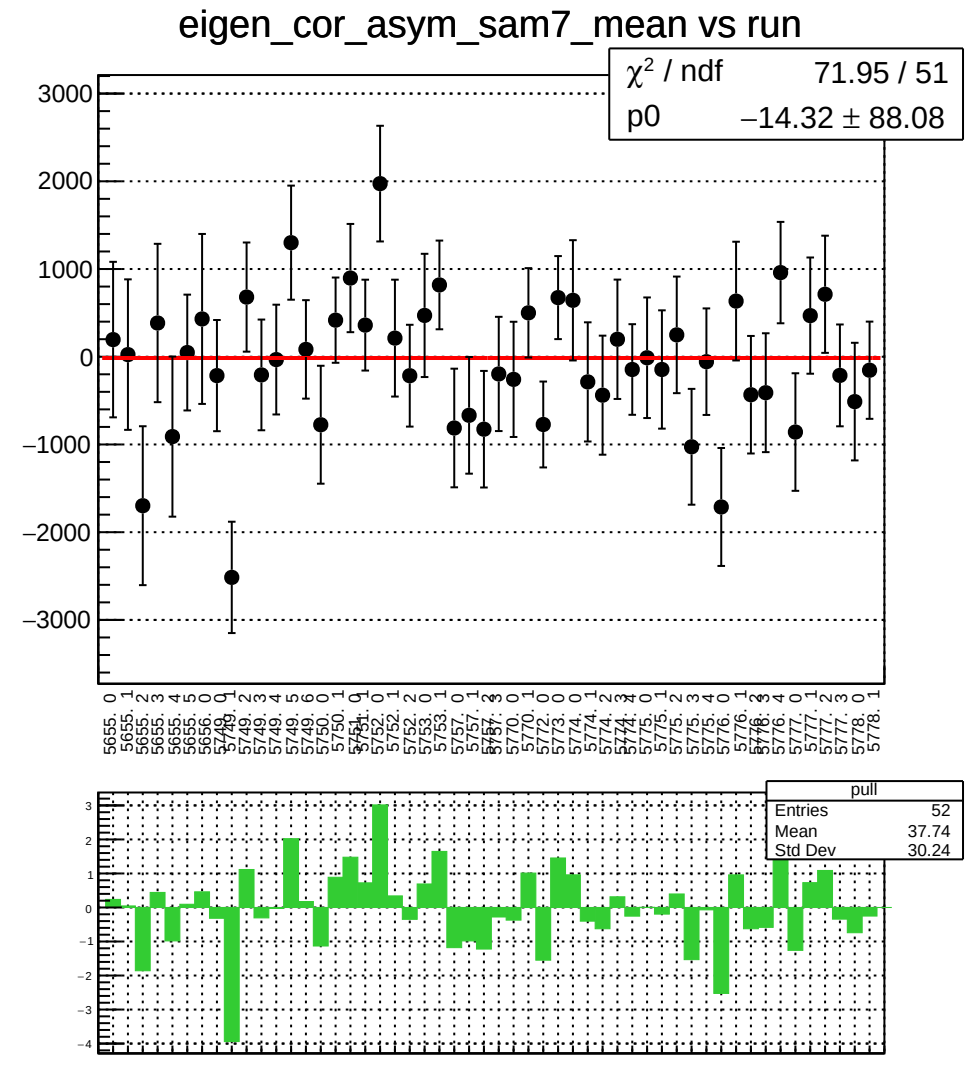
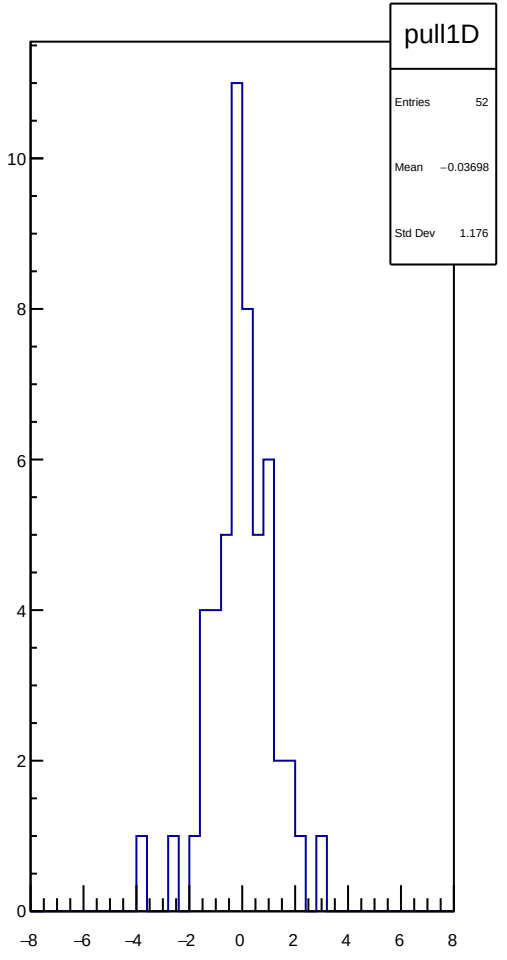
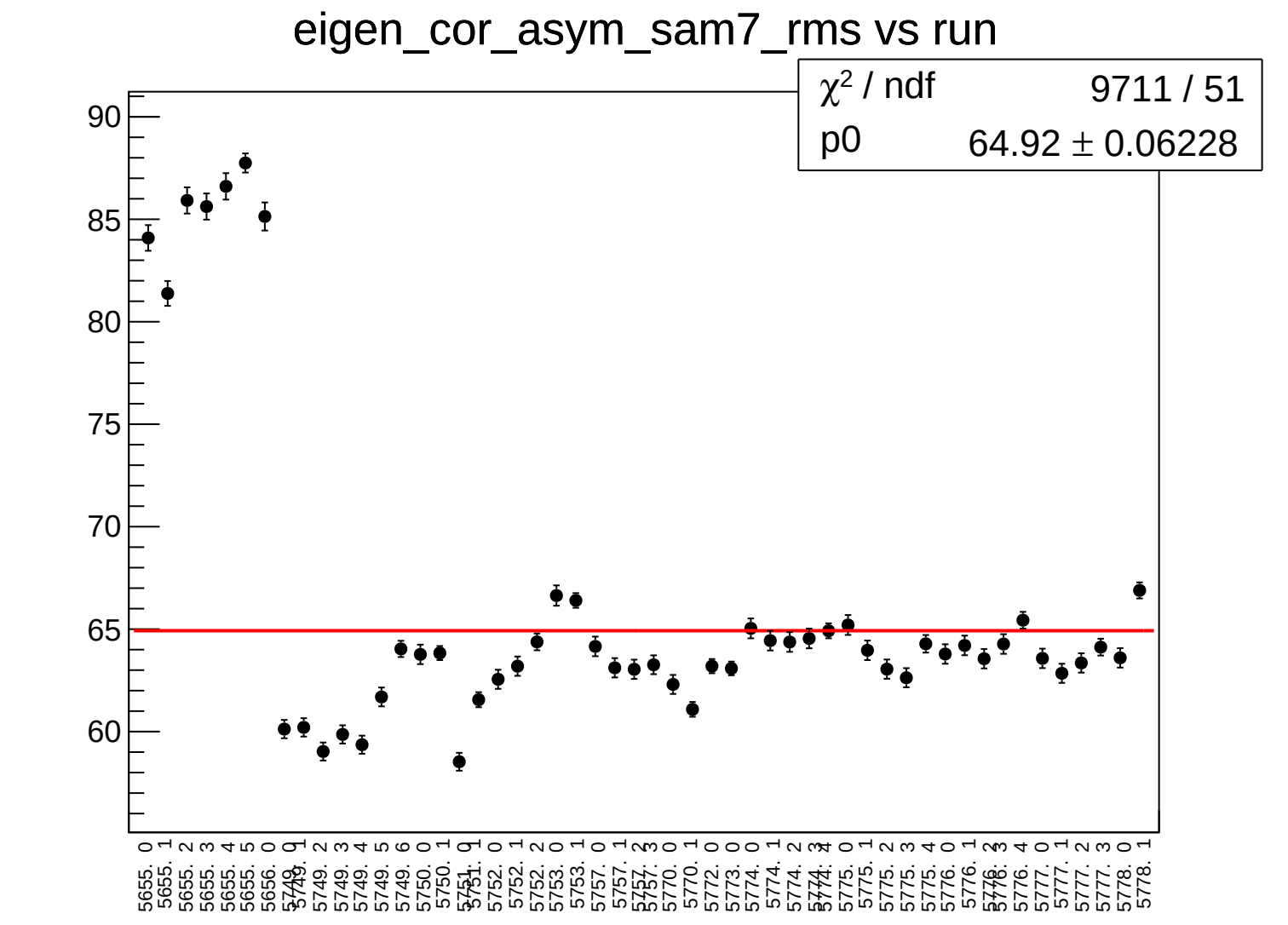
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_sam7_mean vs run
χ² / ndf 71.95 / 51
p0 −14.32 ± 88.08
pull
Entries 52
Mean 37.74
Std Dev 30.24


pull1D
Entries 52
Mean −0.03698
Std Dev 1.176


eigen_cor_asym_sam7_rms vs run
χ^2 / ndf 9711 / 51
p0 64.92 ± 0.06228
90
85
80
75
70
65
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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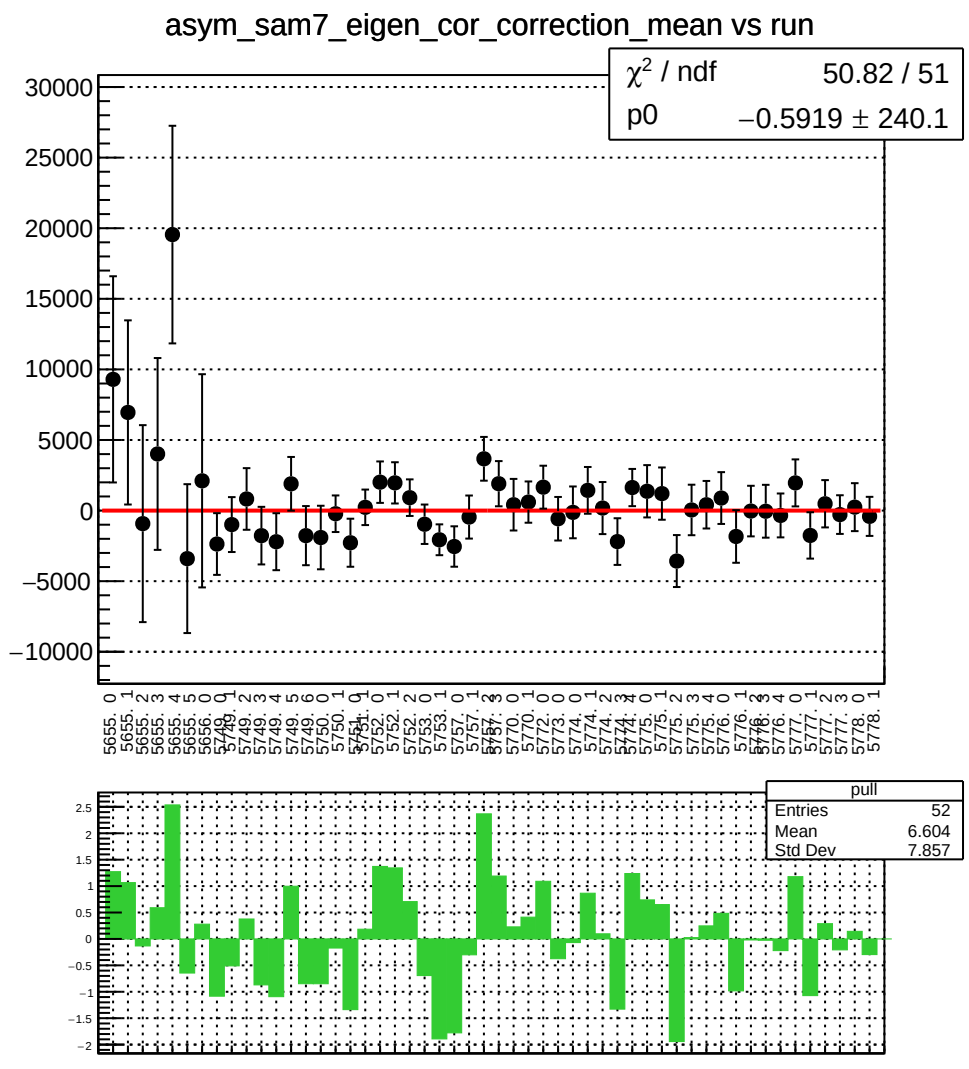
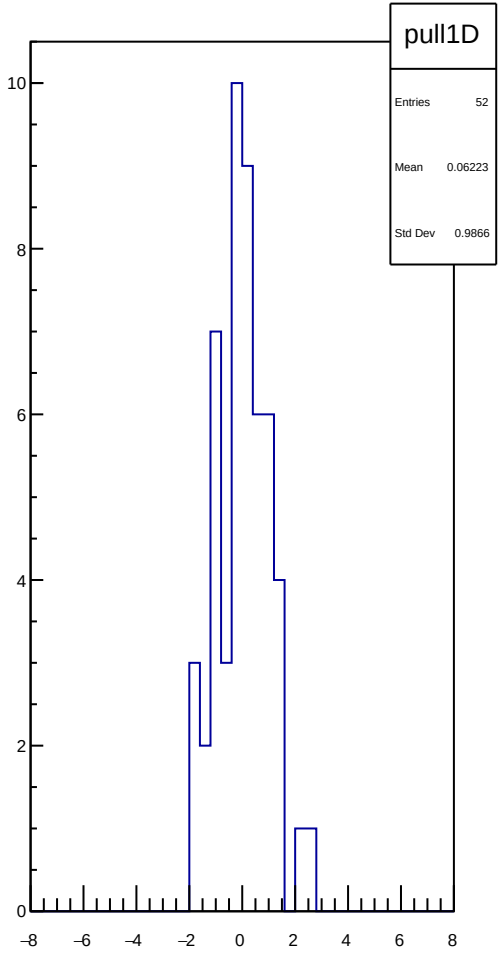
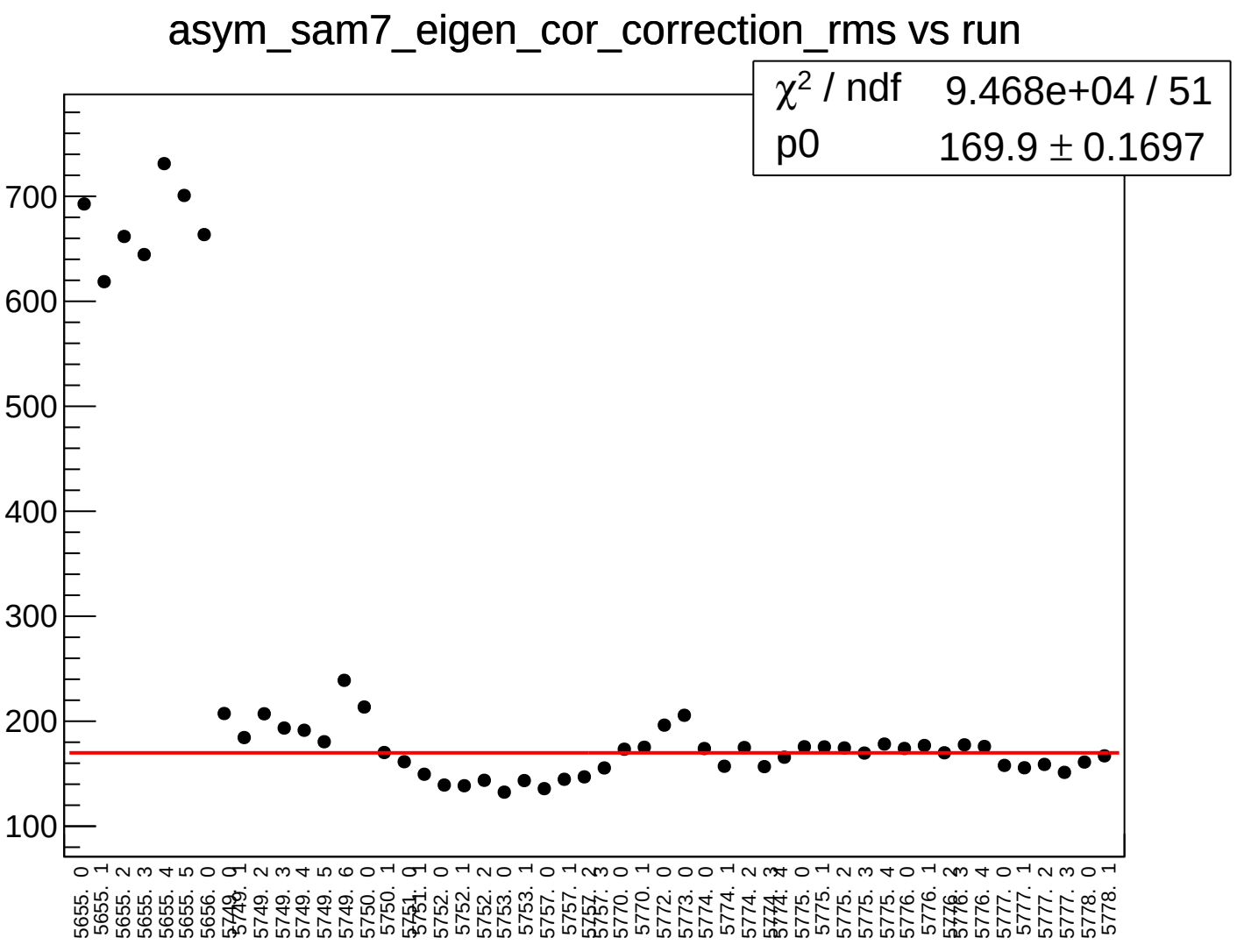
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam7_eigen_cor_correction_mean vs run
χ² / ndf 50.82 / 51
p0 −0.5919 ± 240.1
pull
Entries 52
Mean 6.604
Std Dev 7.857


pull1D
Entries 52
Mean 0.06223
Std Dev 0.9866


asym_sam7_eigen_cor_correction_rms vs run
χ² / ndf 9.468e+04 / 51
p0 169.9 ± 0.1697
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
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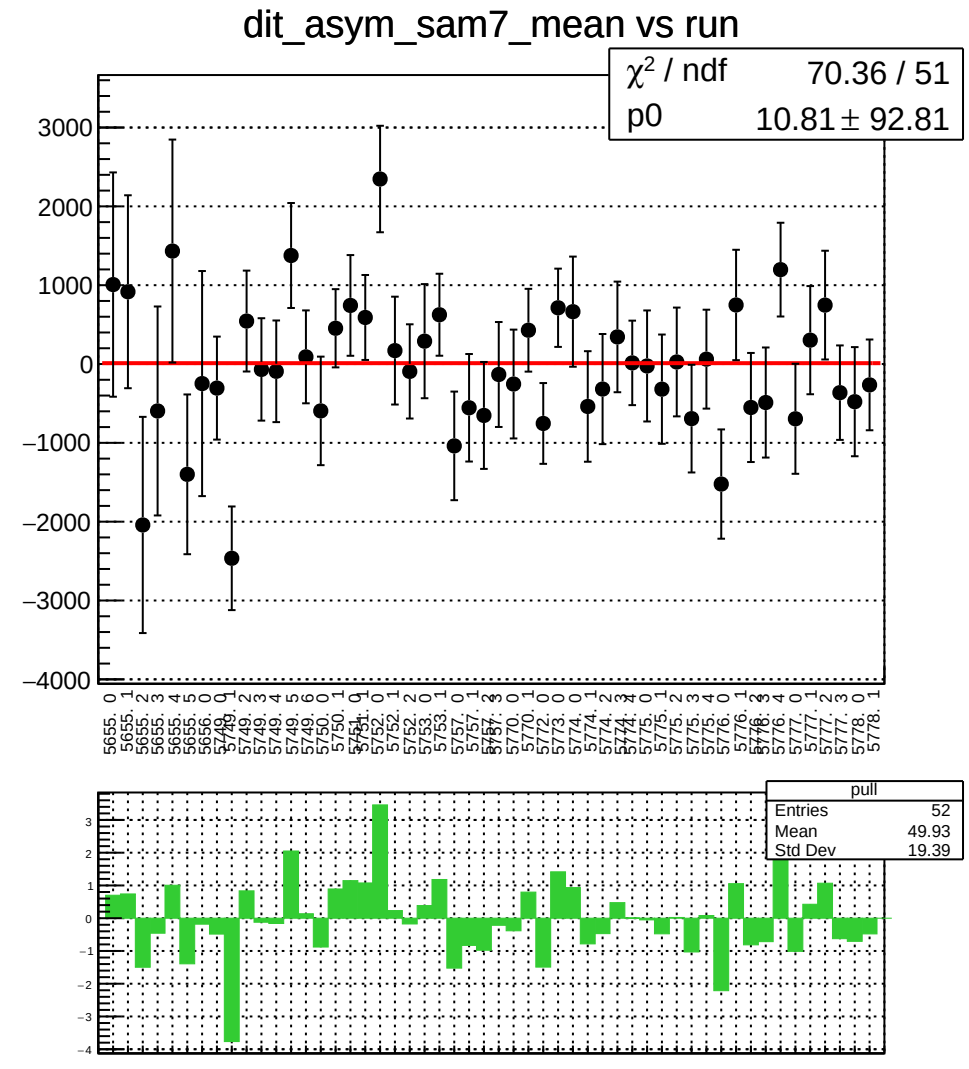
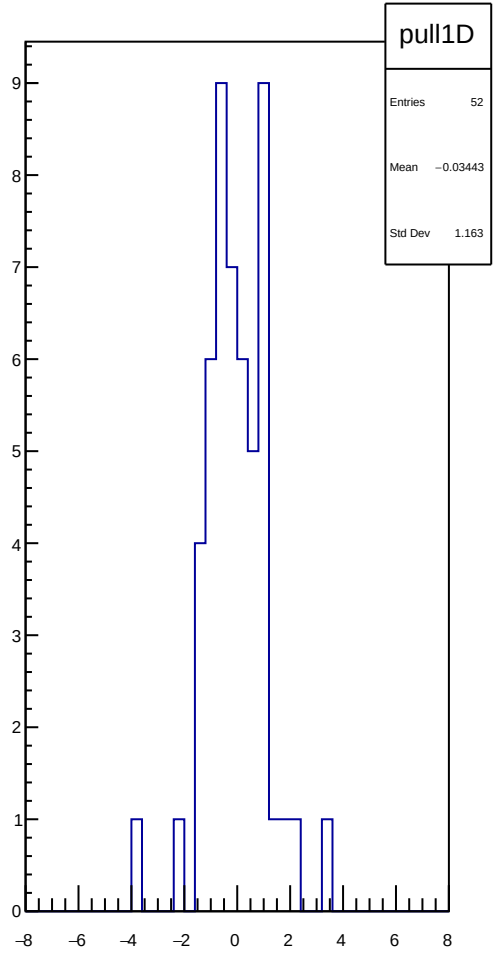
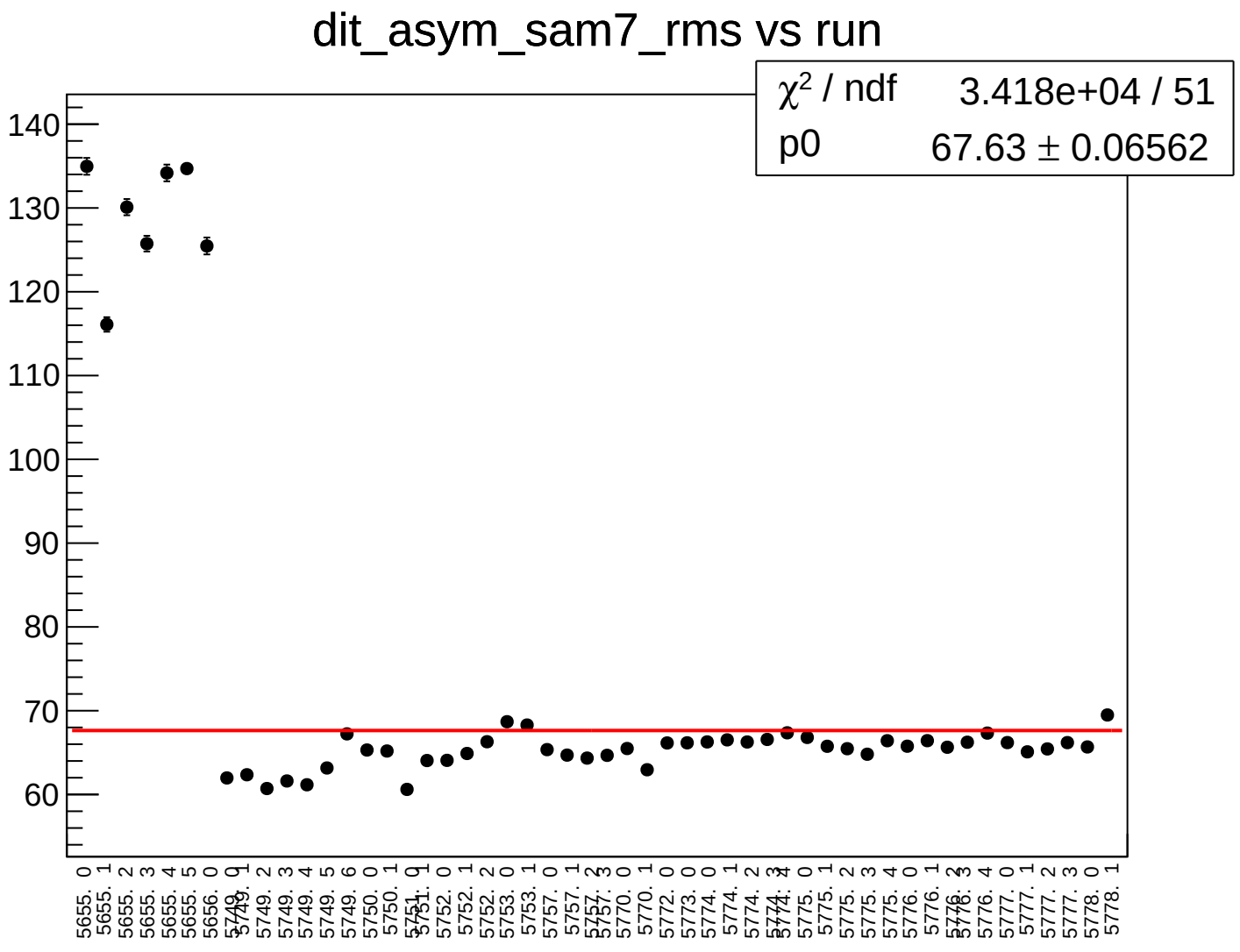
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


dit_asym_sam7_mean vs run
χ² / ndf 70.36 / 51
p0 10.81 ± 92.81
pull
Entries 52
Mean 49.93
Std Dev 19.39


pull1D
Entries 52
Mean −0.03443
Std Dev 1.163


dit_asym_sam7_rms vs run
χ² / ndf 3.418e+04 / 51
p0 67.63 ± 0.06562
140
130
120
110
100
90
80
70
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
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5774. 1
5774. 2
5774. 3
5774. 4
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
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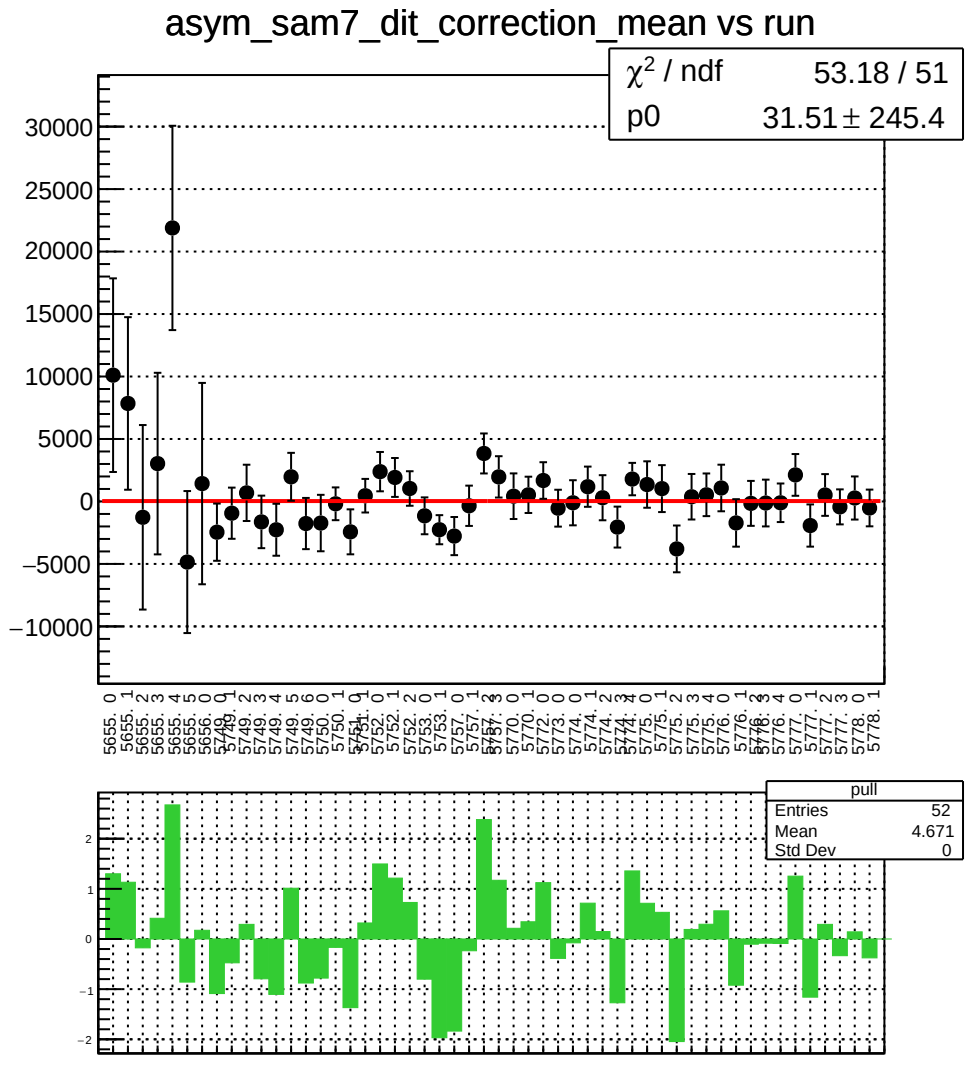
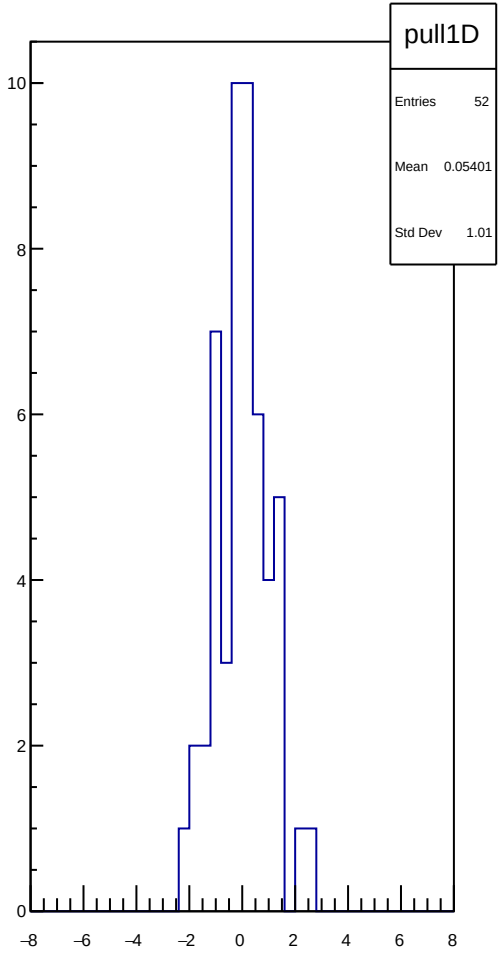
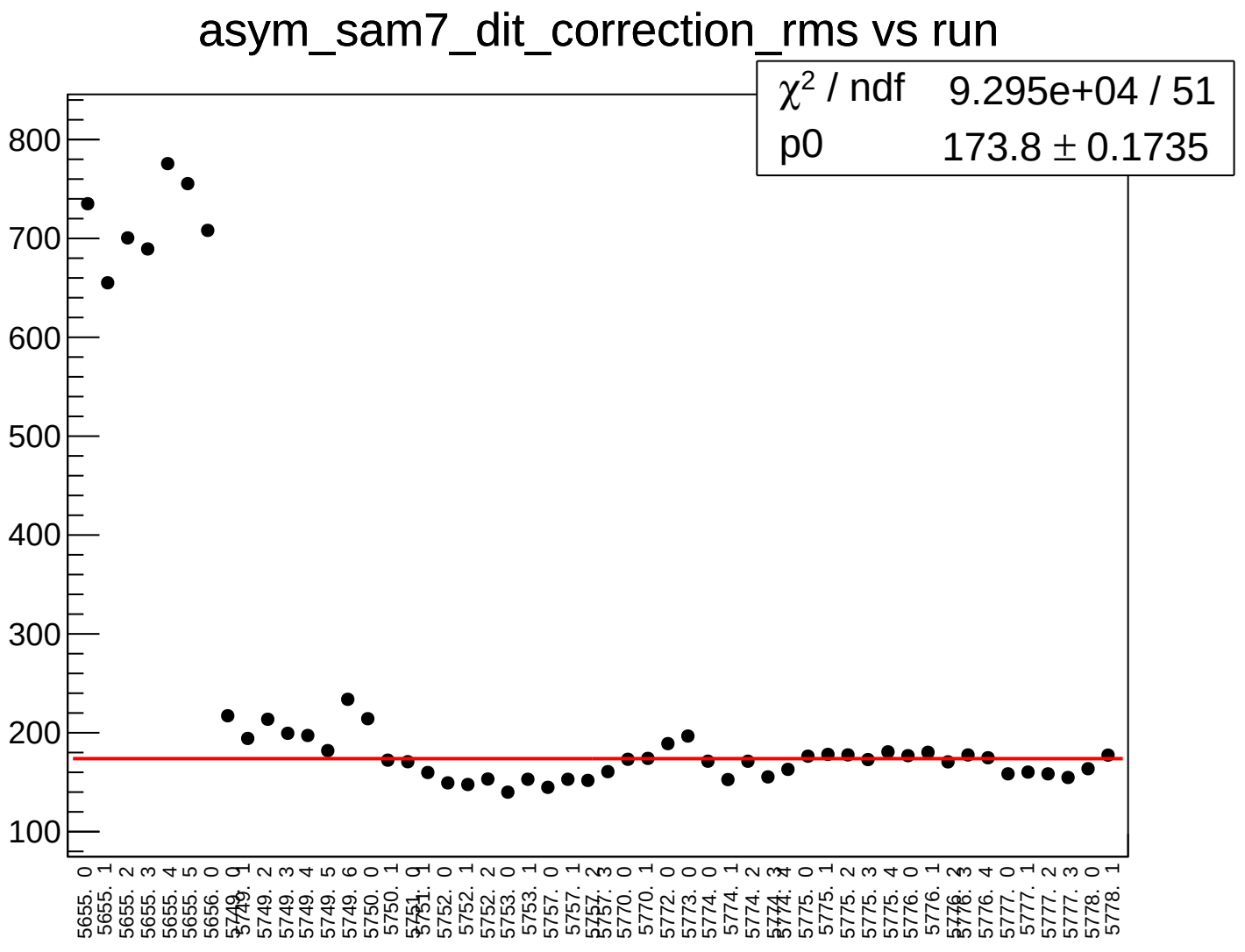
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam7_dit_correction_mean vs run
χ² / ndf 53.18 / 51
p0 31.51 ± 245.4
pull
Entries 52
Mean 4.671
Std Dev 0


pull1D
Entries 52
Mean 0.05401
Std Dev 1.01


asym_sam7_dit_correction_rms vs run
χ² / ndf 9.295e+04 / 51
p0 173.8 ± 0.1735
800
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
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5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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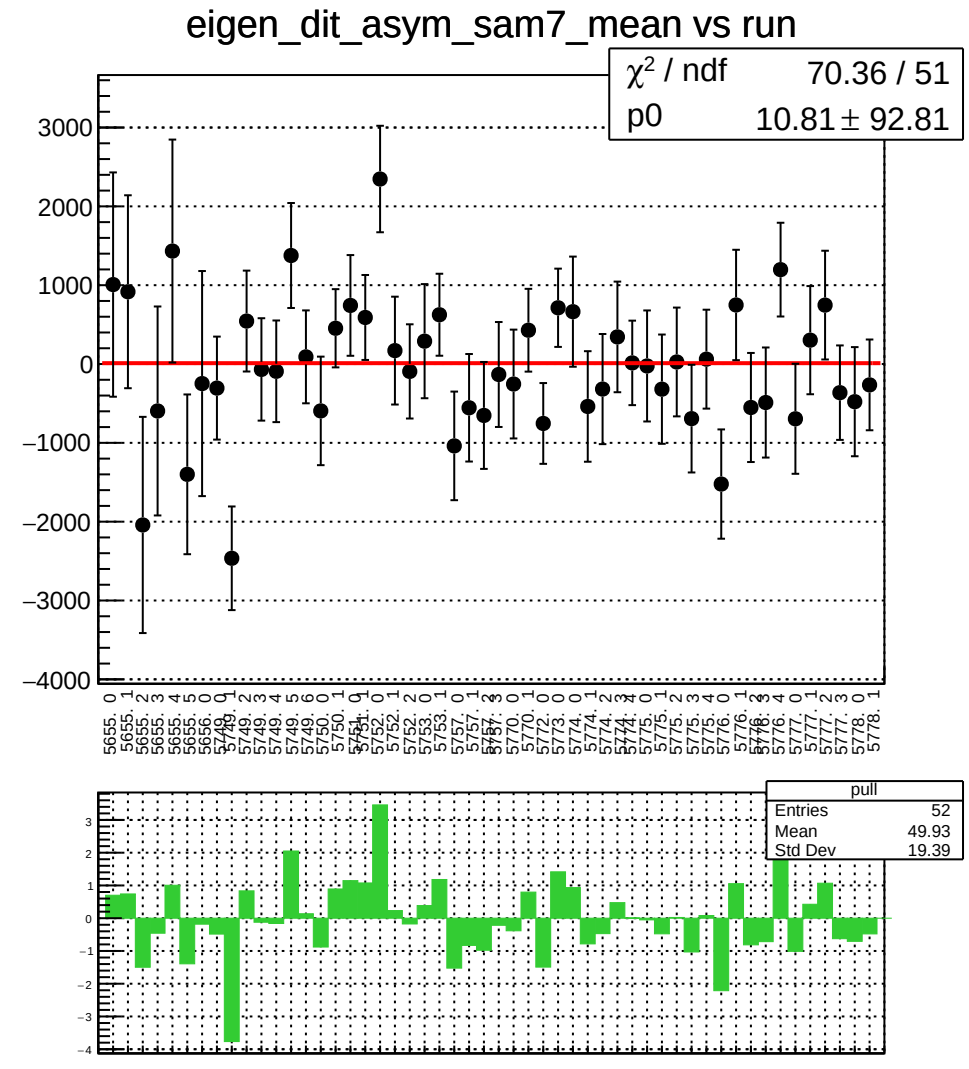
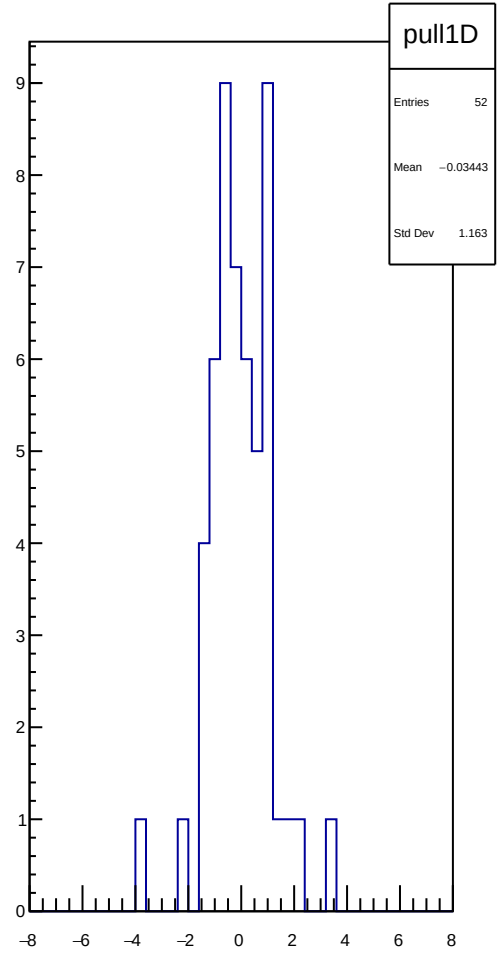
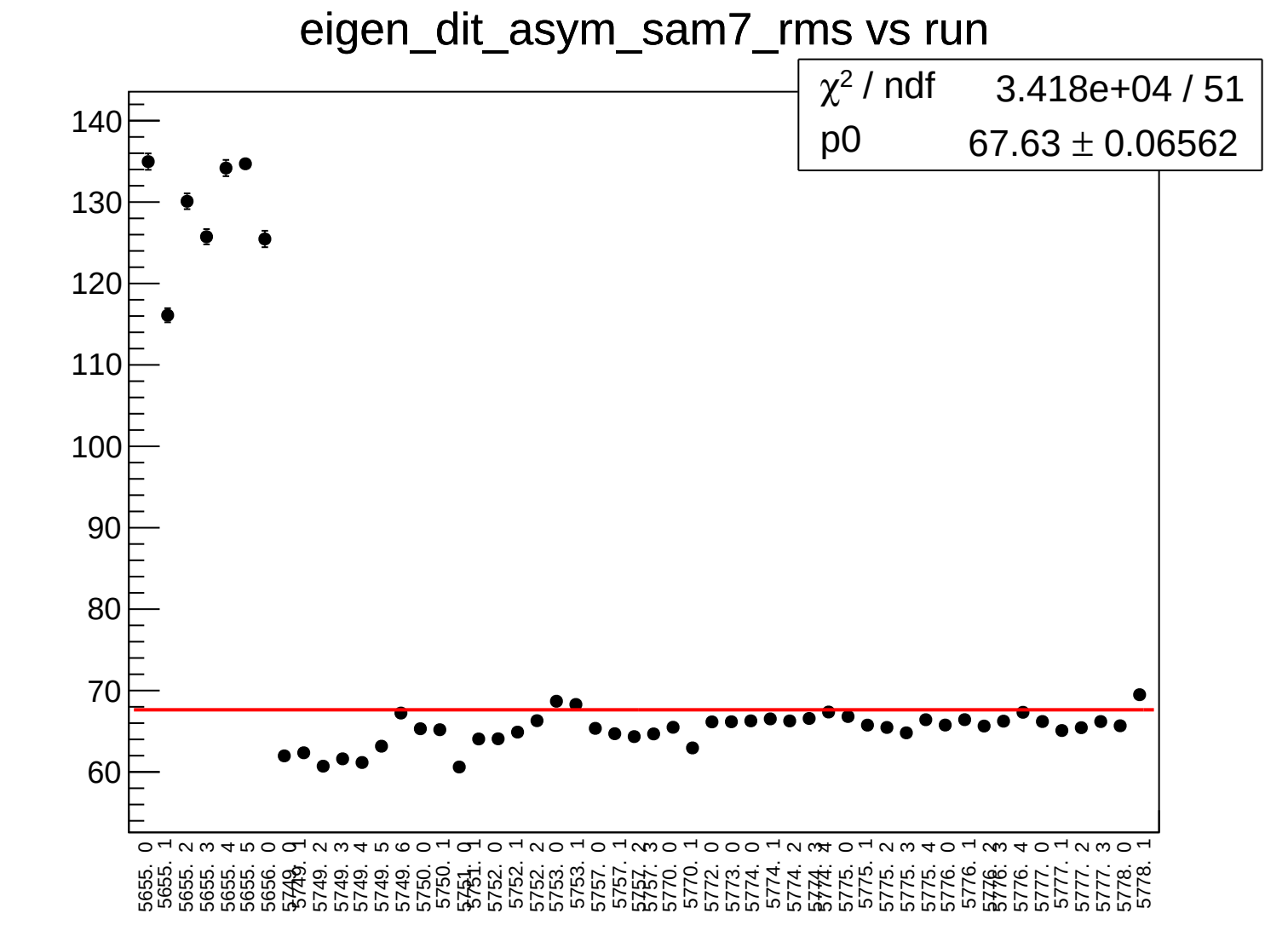
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_dit_asym_sam7_mean vs run
χ² / ndf 70.36 / 51
p0 10.81 ± 92.81
pull
Entries 52
Mean 49.93
Std Dev 19.39


pull1D
Entries 52
Mean −0.03443
Std Dev 1.163


eigen_dit_asym_sam7_rms vs run
χ^2 / ndf 3.418e+04 / 51
p0 67.63 ± 0.06562
140
130
120
110
100
90
80
70
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
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5752. 1
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5753. 1
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5757. 2
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5774. 1
5774. 2
5774. 3
5774. 4
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5775. 3
5775. 4
5776. 0
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5777. 2
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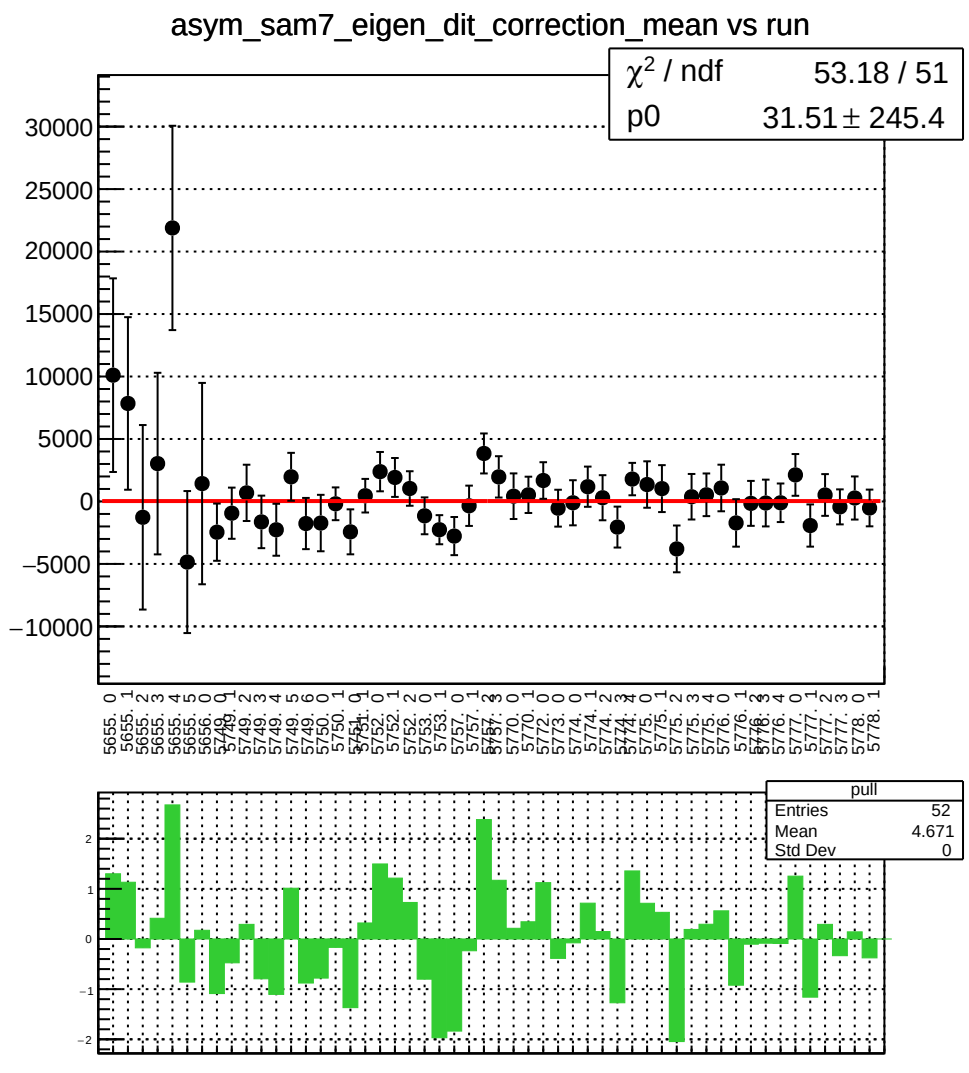
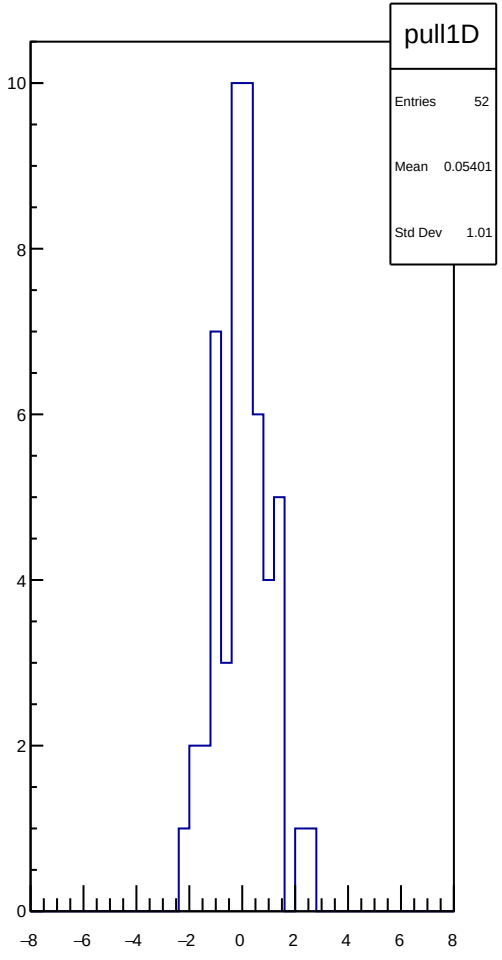
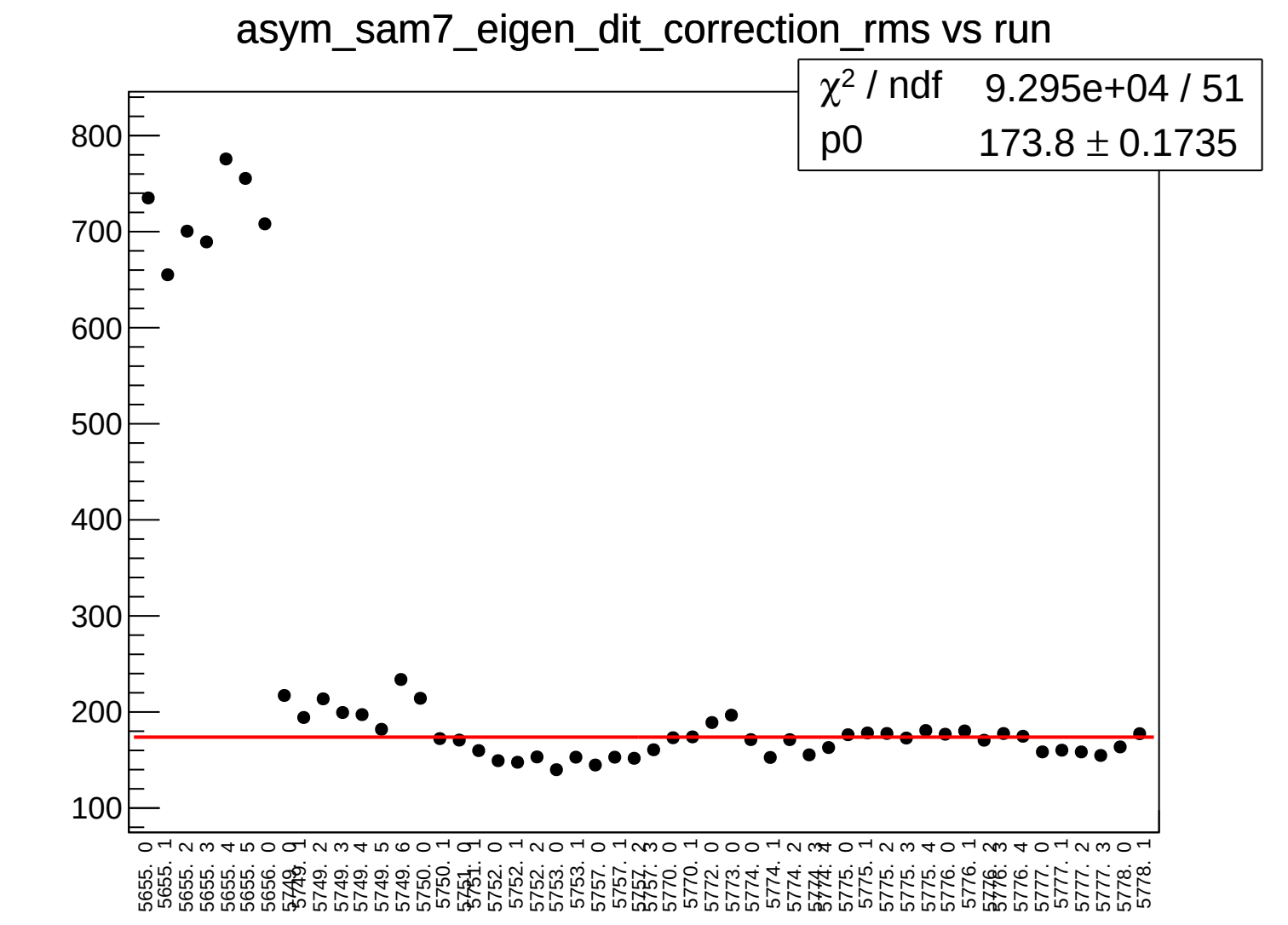
5778. 0
5778. 1


asym_sam7_eigen_dit_correction_mean vs run
χ² / ndf 53.18 / 51
p0 31.51 ± 245.4
pull
Entries 52
Mean 4.671
Std Dev 0


pull1D
Entries 52
Mean 0.05401
Std Dev 1.01


asym_sam7_eigen_dit_correction_rms vs run
χ^2 / ndf 9.295e+04 / 51
p0 173.8 ± 0.1735
800
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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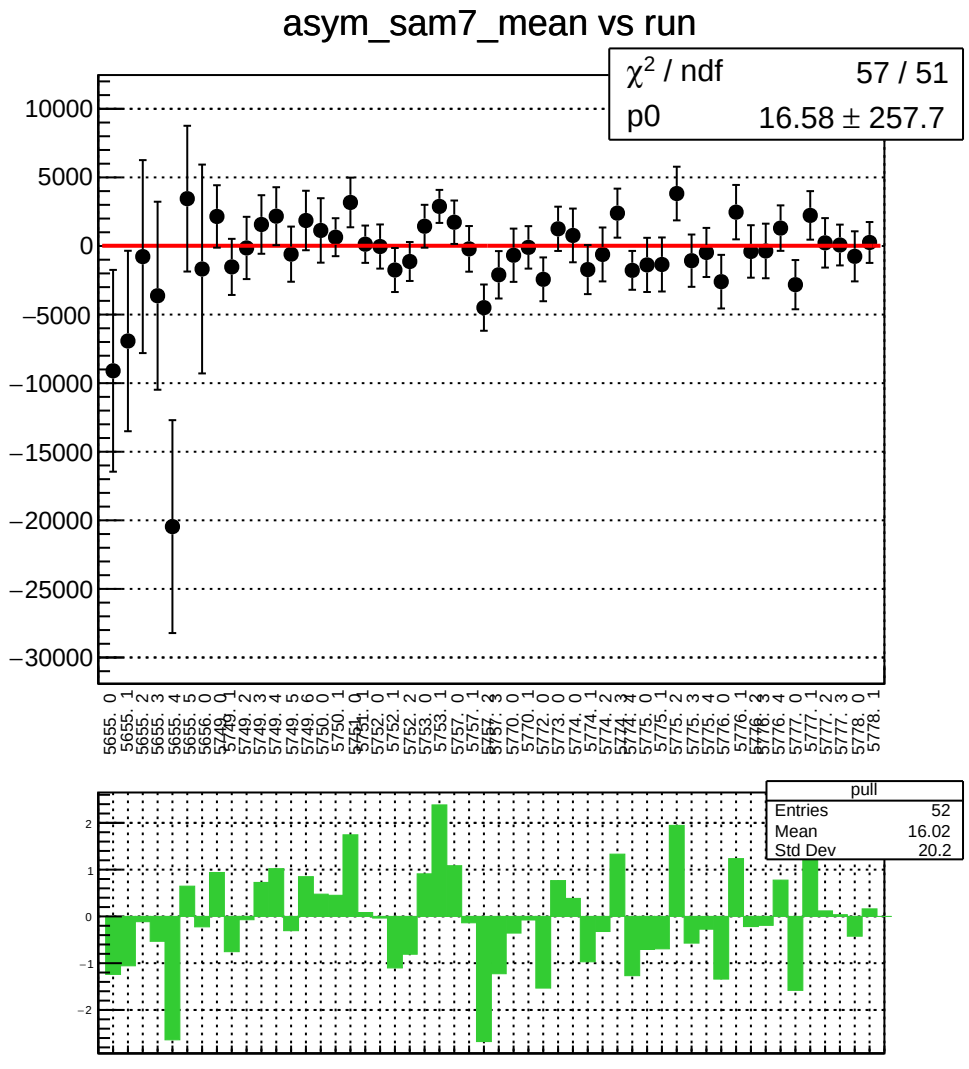
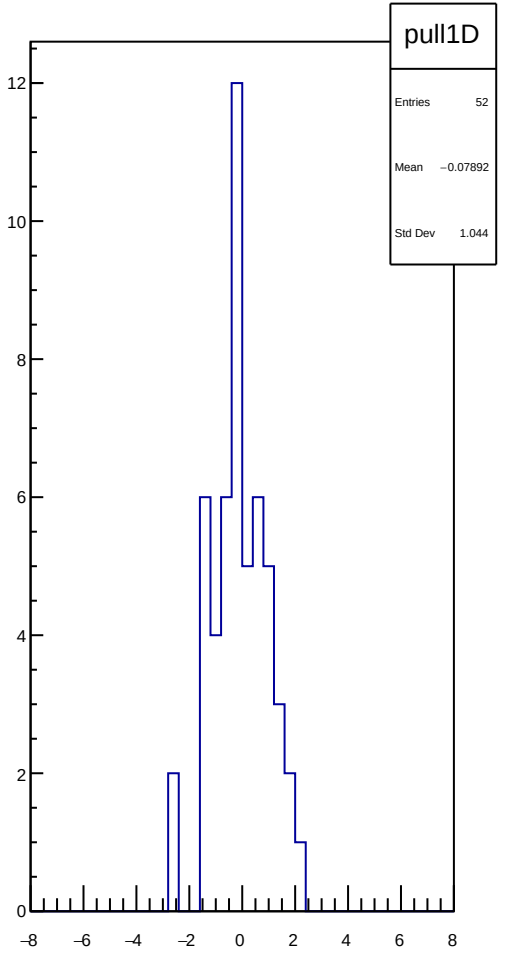
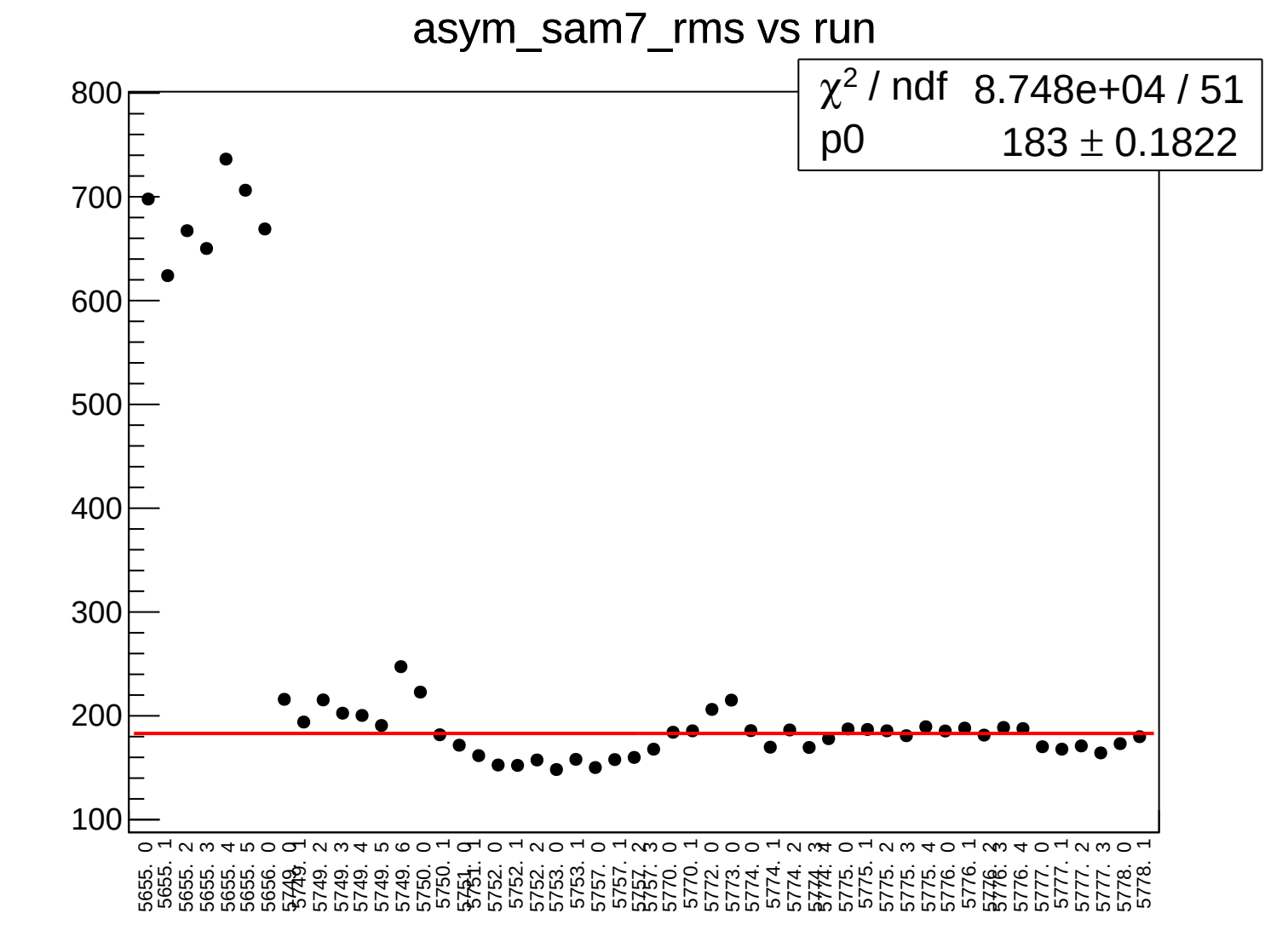
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam7_mean vs run
χ² / ndf 57 / 51
p0 16.58 ± 257.7
pull
Entries 52
Mean 16.02
Std Dev 20.2


pull1D
Entries 52
Mean −0.07892
Std Dev 1.044


asym_sam7_rms vs run
χ² / ndf 8.748e+04 / 51
p0 183 ± 0.1822
800
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5770. 1
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
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5777. 1
5777. 2
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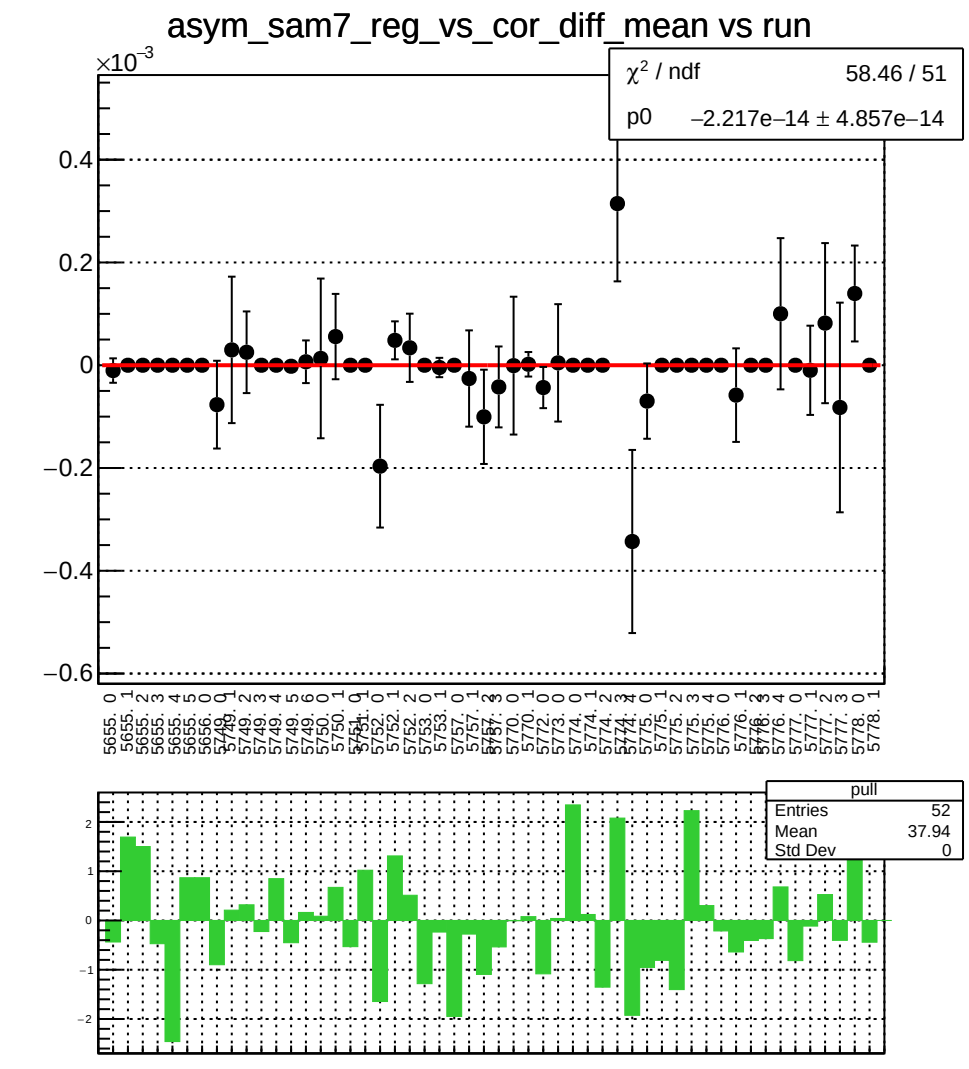
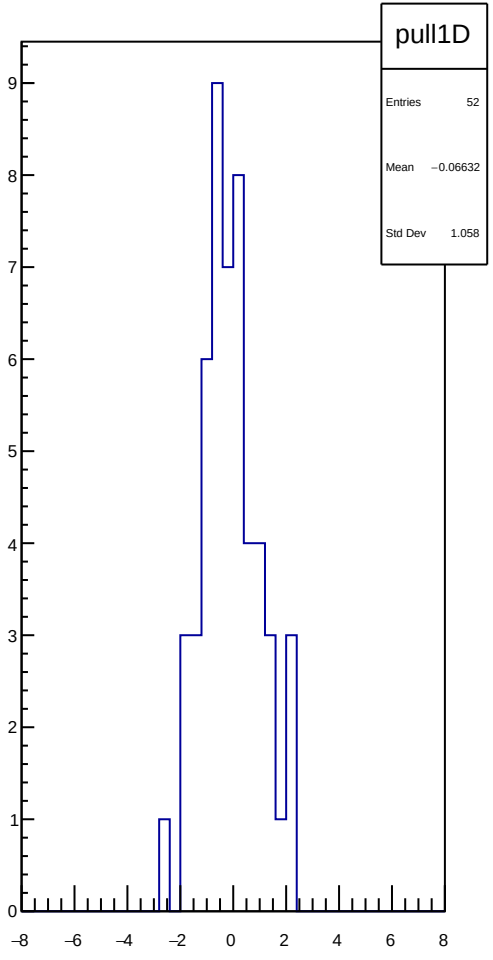
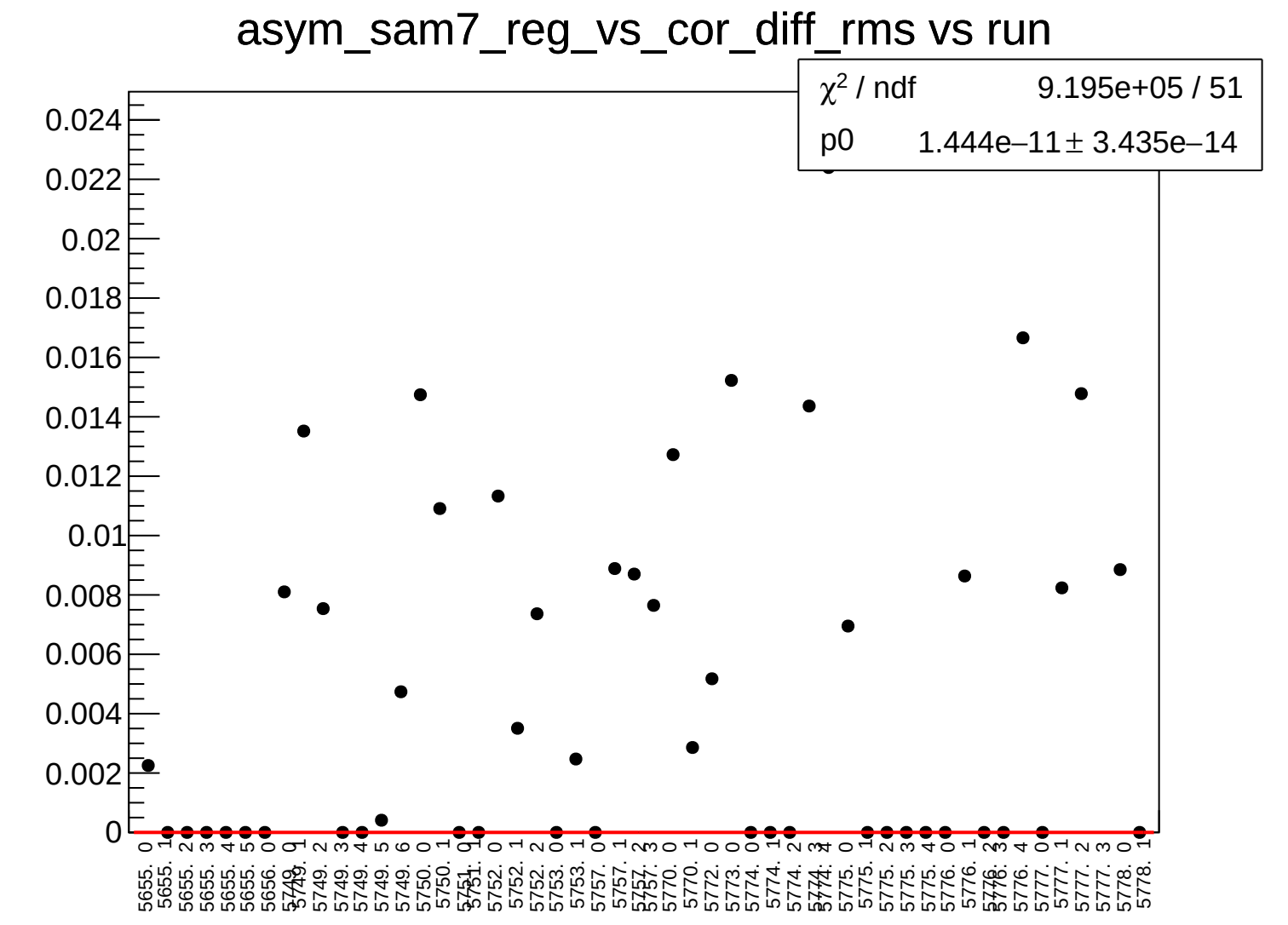

asym_sam7_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 58.46 / 51
p0 −2.217e−14 ± 4.857e−14
pull
Entries 52
Mean 37.94
Std Dev 0


pull1D
Entries 52
Mean −0.06632
Std Dev 1.058


asym_sam7_reg_vs_cor_diff_rms vs run
χ² / ndf 9.195e+05 / 51
p0 1.444e−11 ± 3.435e−14
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5749. 6
5750. 0
5750. 1
5751. 0
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5753. 1
5757. 0
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5775. 1
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5775. 4
5776. 0
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5777. 2
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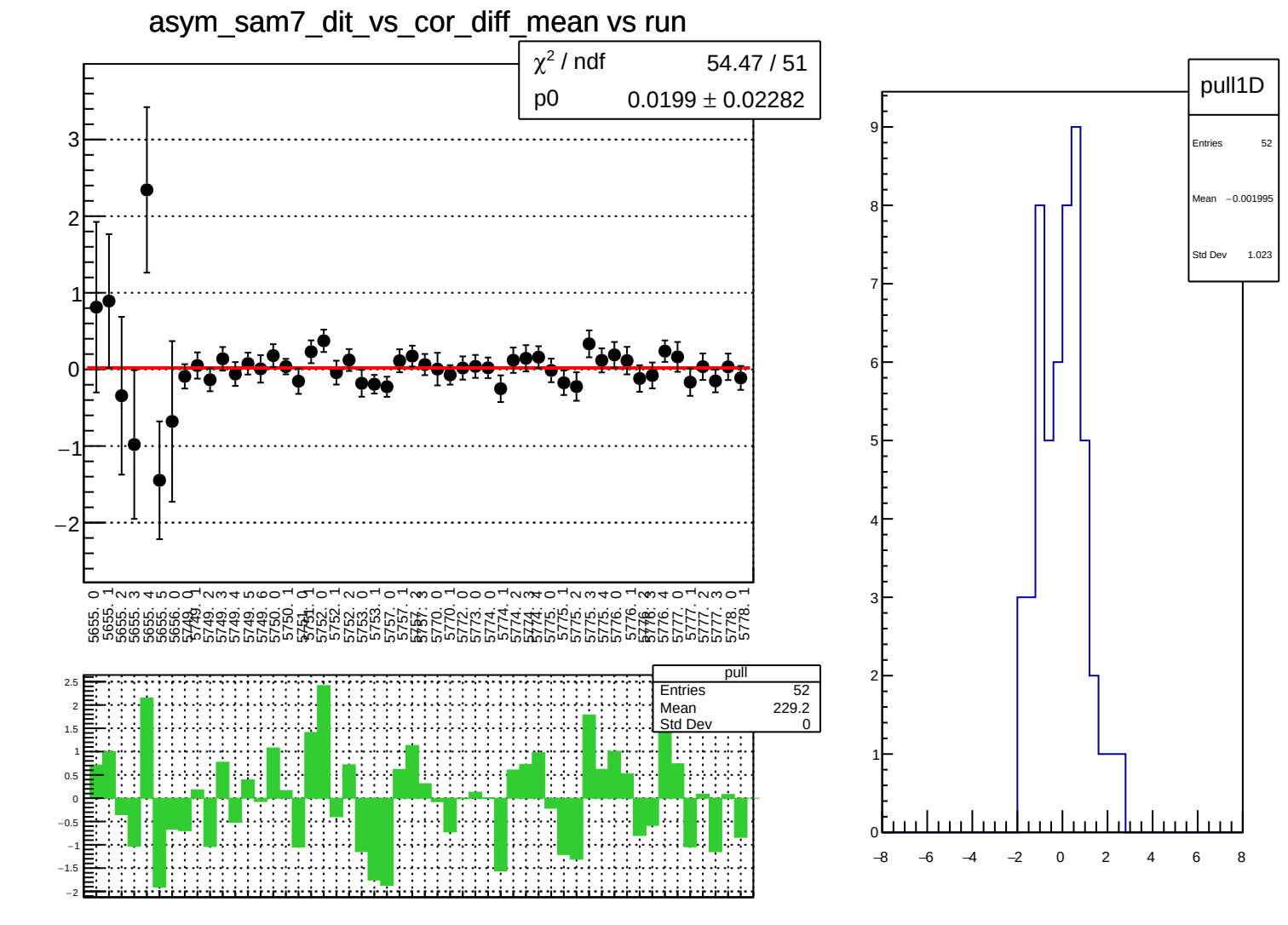
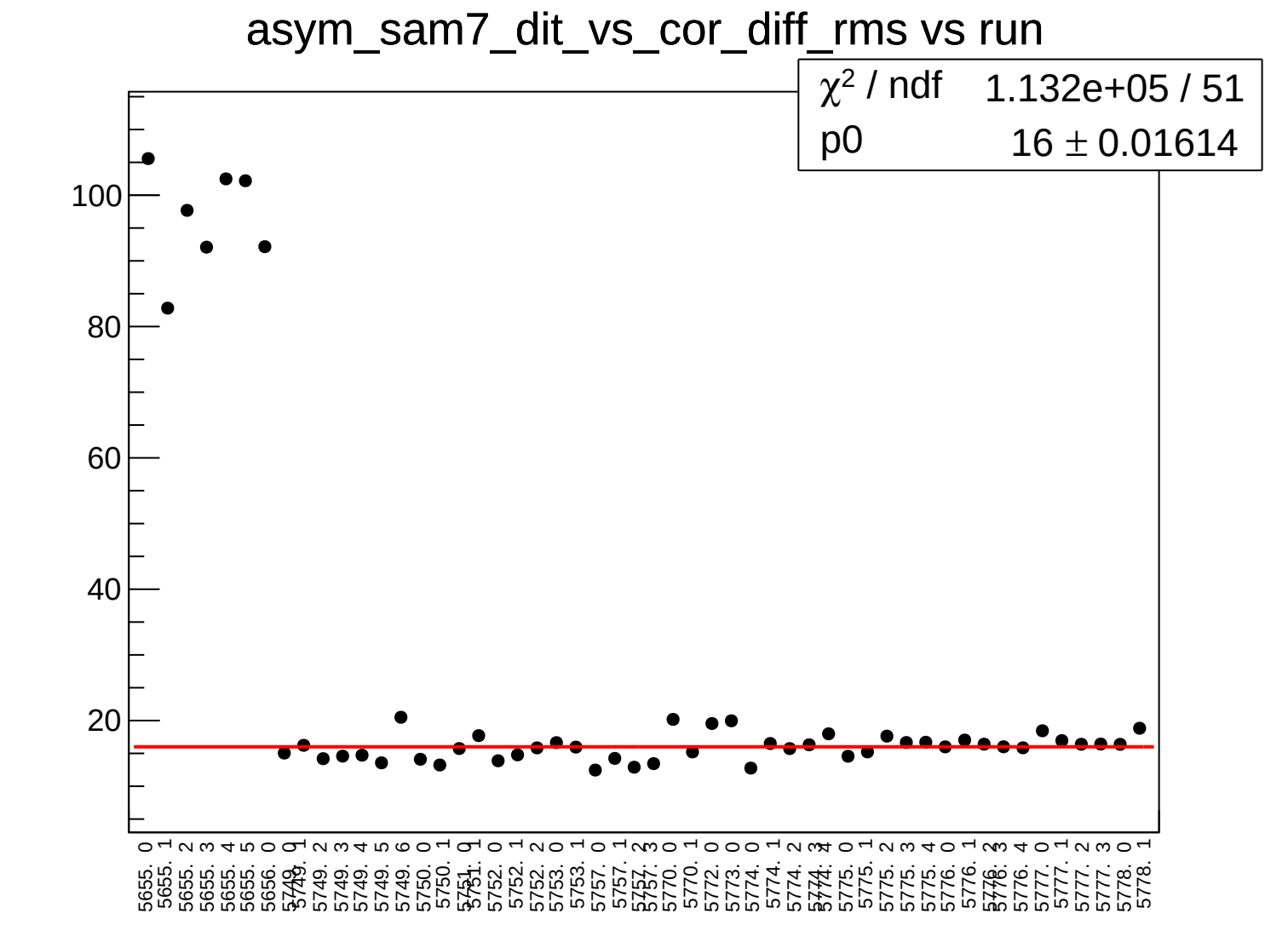

asym_sam7_dit_vs_cor_diff_mean vs run
χ² / ndf 54.47 / 51
p0 0.0199 ± 0.02282
pull
Entries 52
Mean 229.2
Std Dev 0
pull1D
Entries 52
Mean −0.001995
Std Dev 1.023


asym_sam7_dit_vs_cor_diff_rms vs run
χ² / ndf 1.132e+05 / 51
p0 16 ± 0.01614
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
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5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
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5753. 1
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5774. 0
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5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5777. 0
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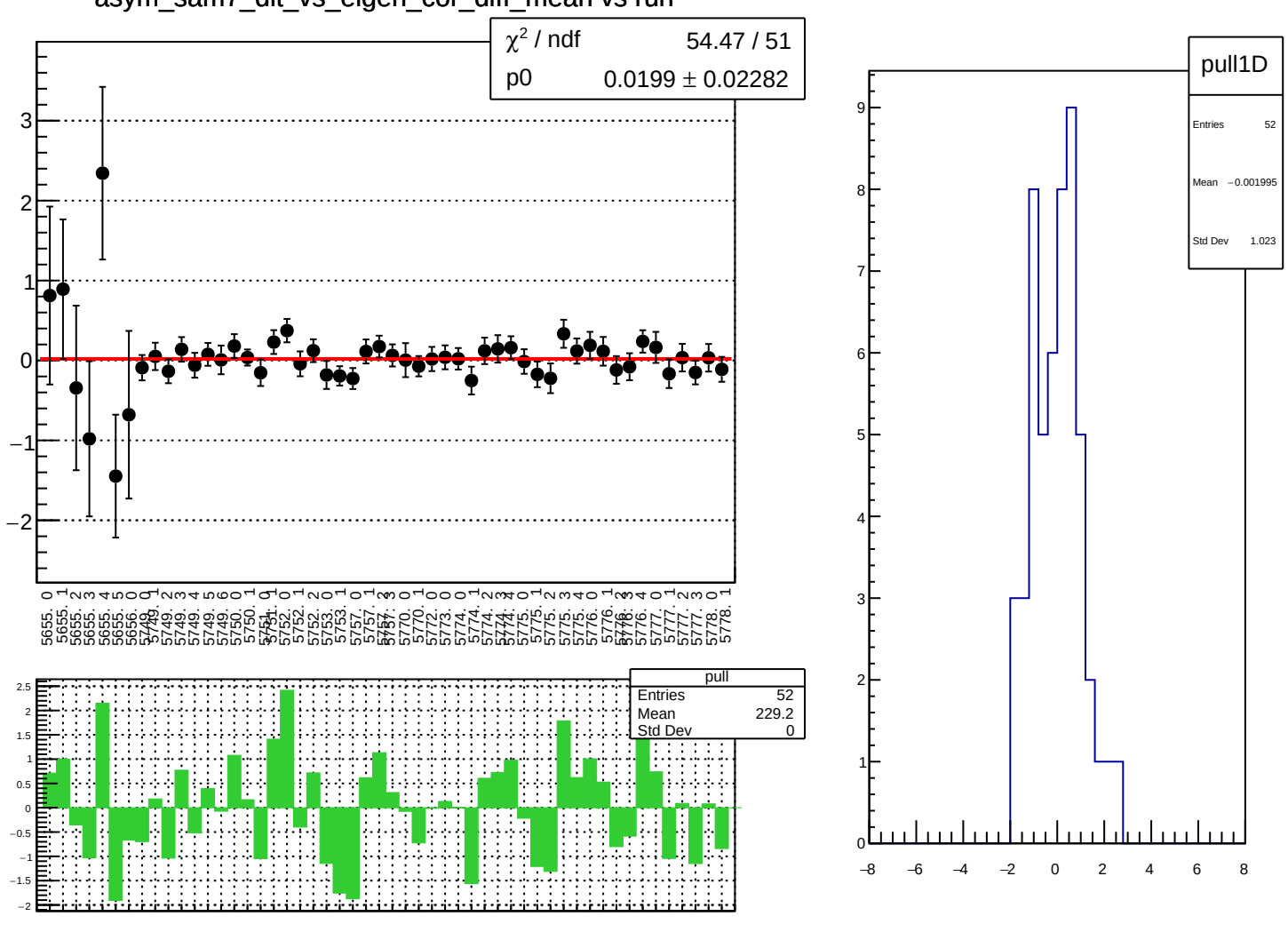
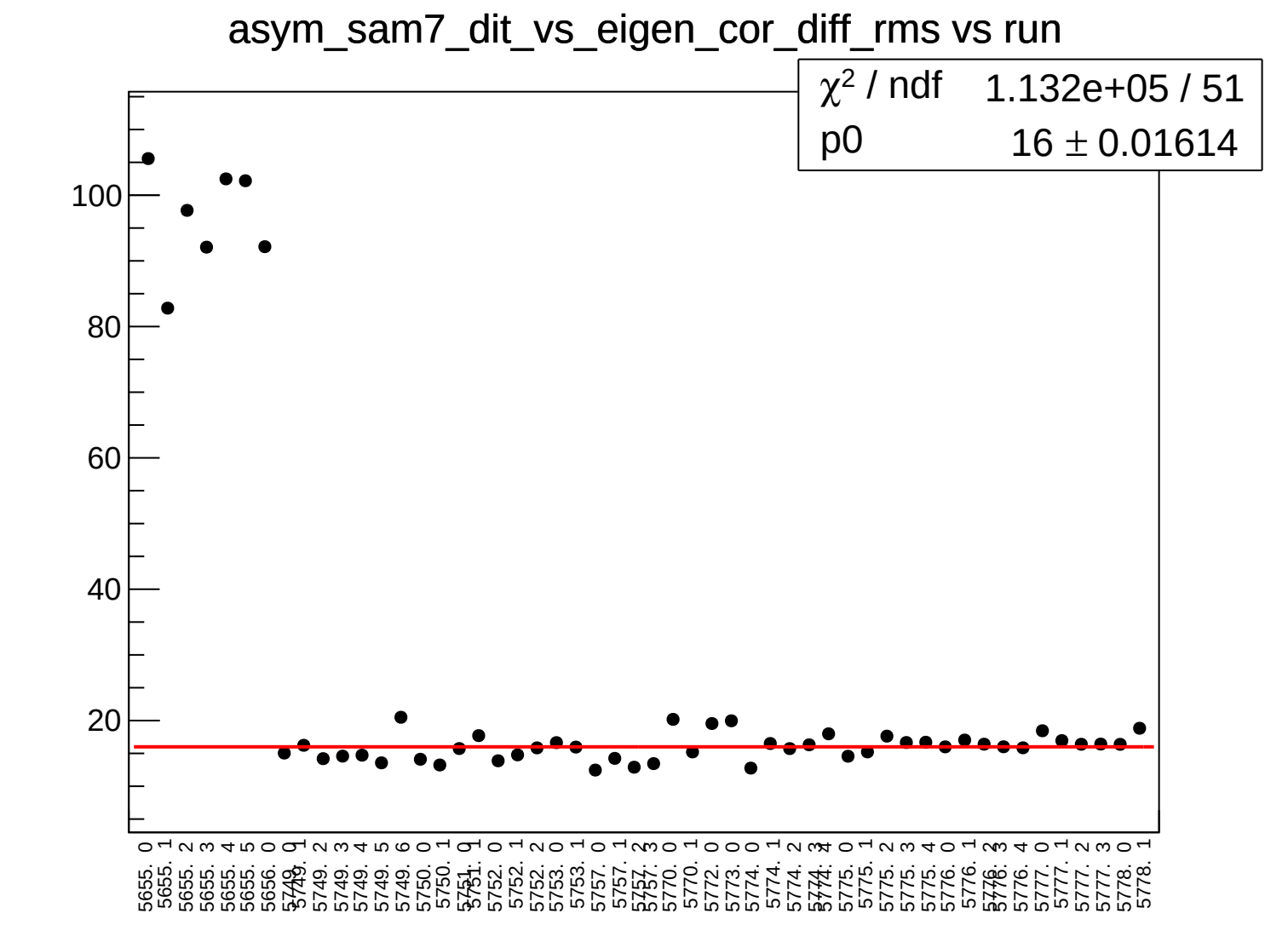
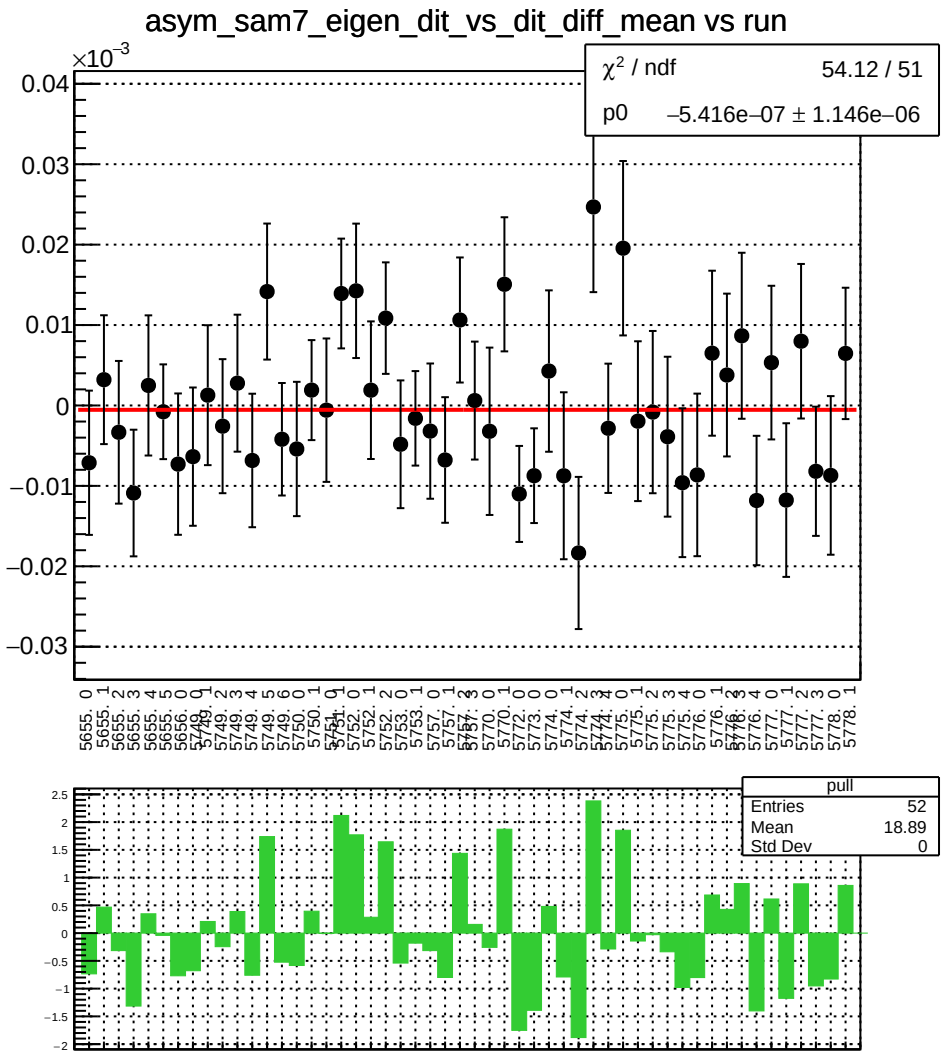
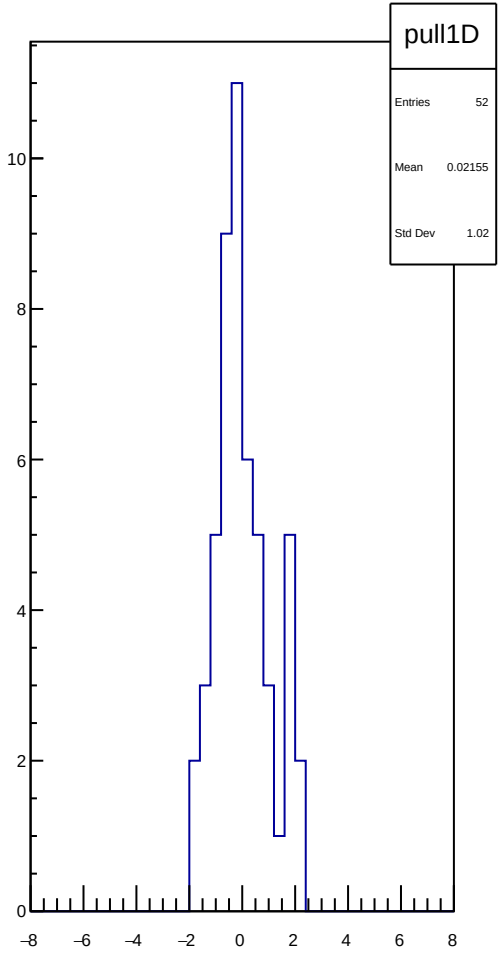
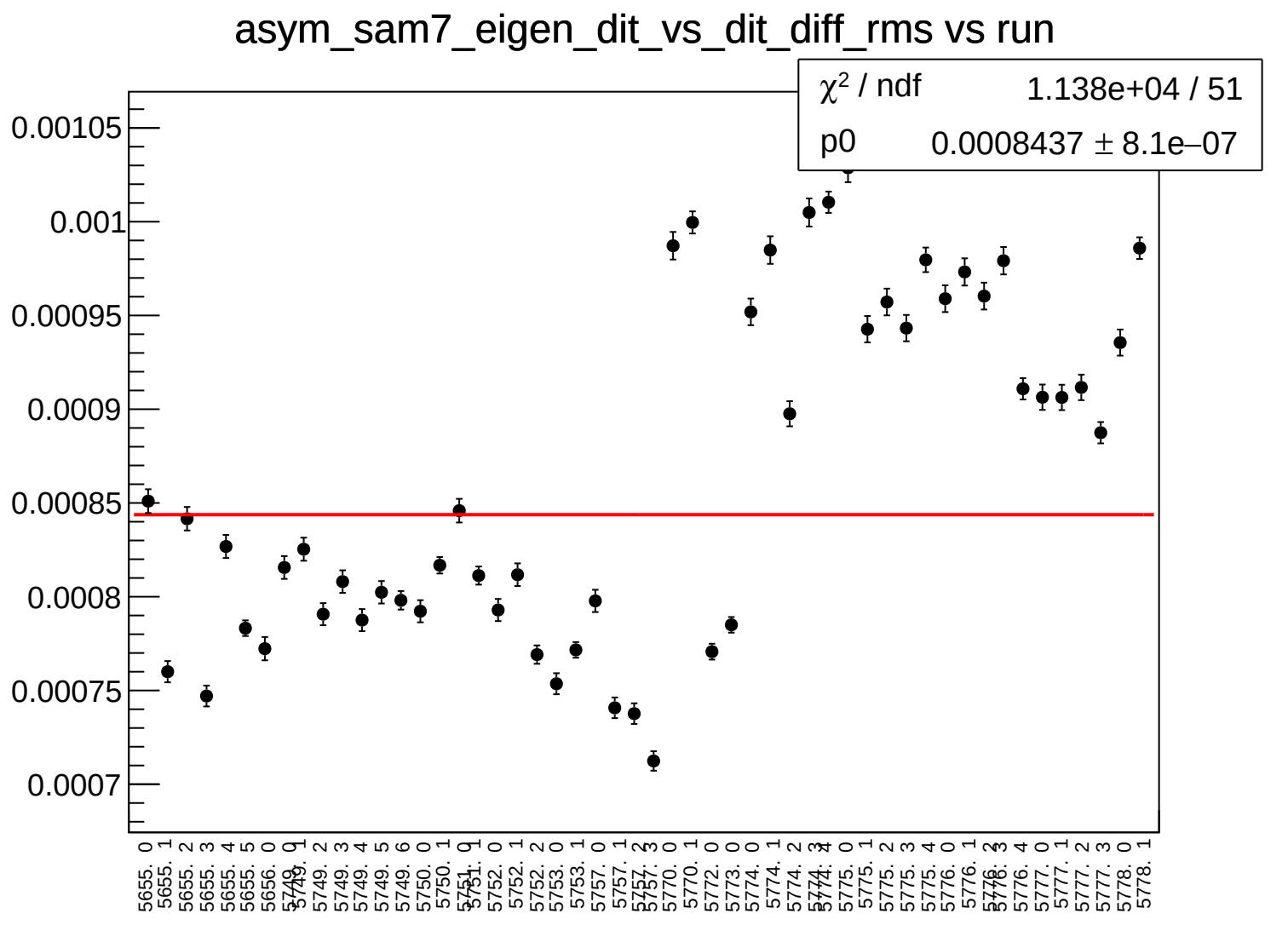
5778. 0
5778. 1

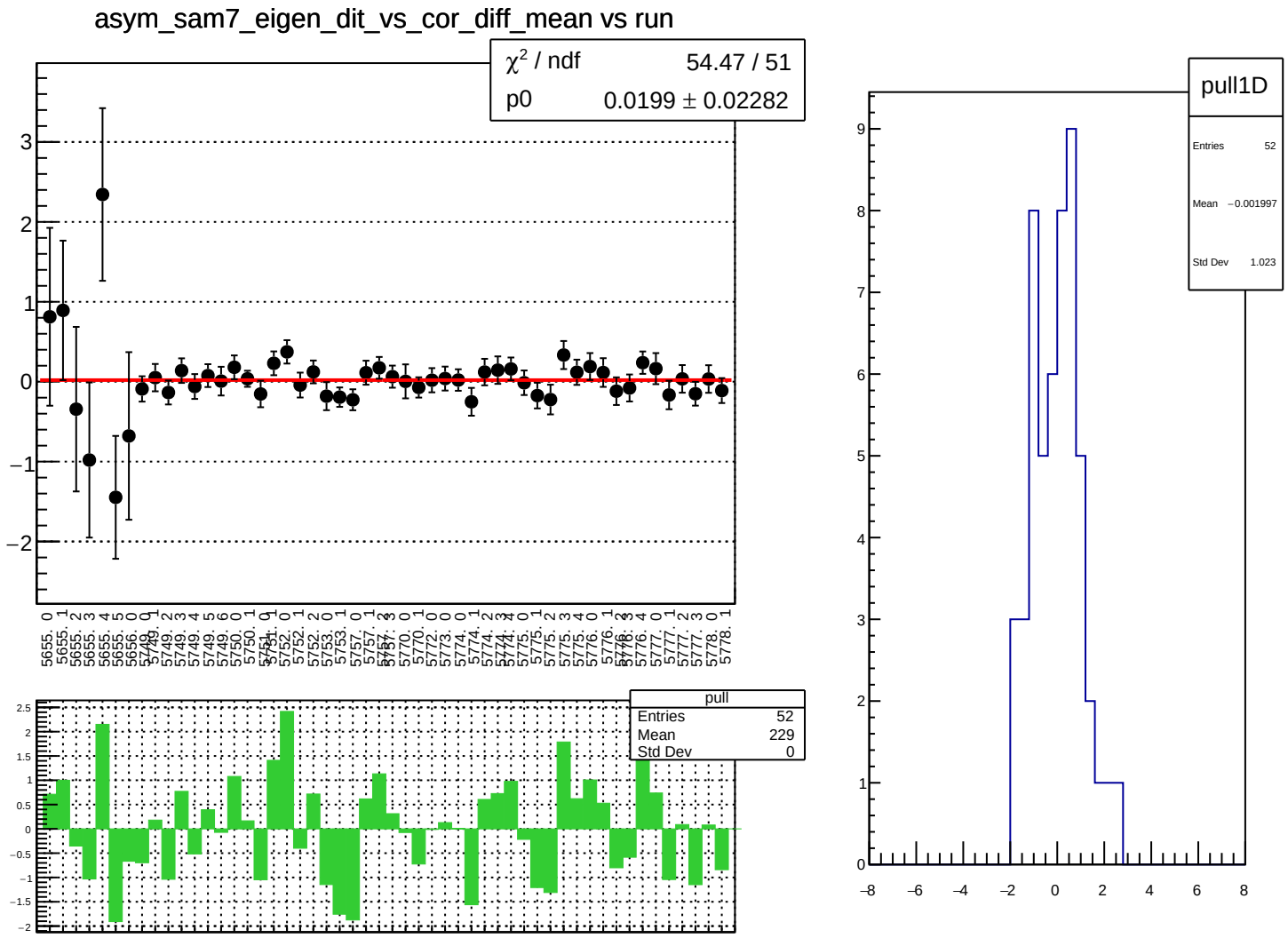

asym_sam7_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.47 / 51
p0 0.0199 ± 0.02282
pull
Entries 52
Mean 229.2
Std Dev 0
pull1D
Entries 52
Mean −0.001995
Std Dev 1.023

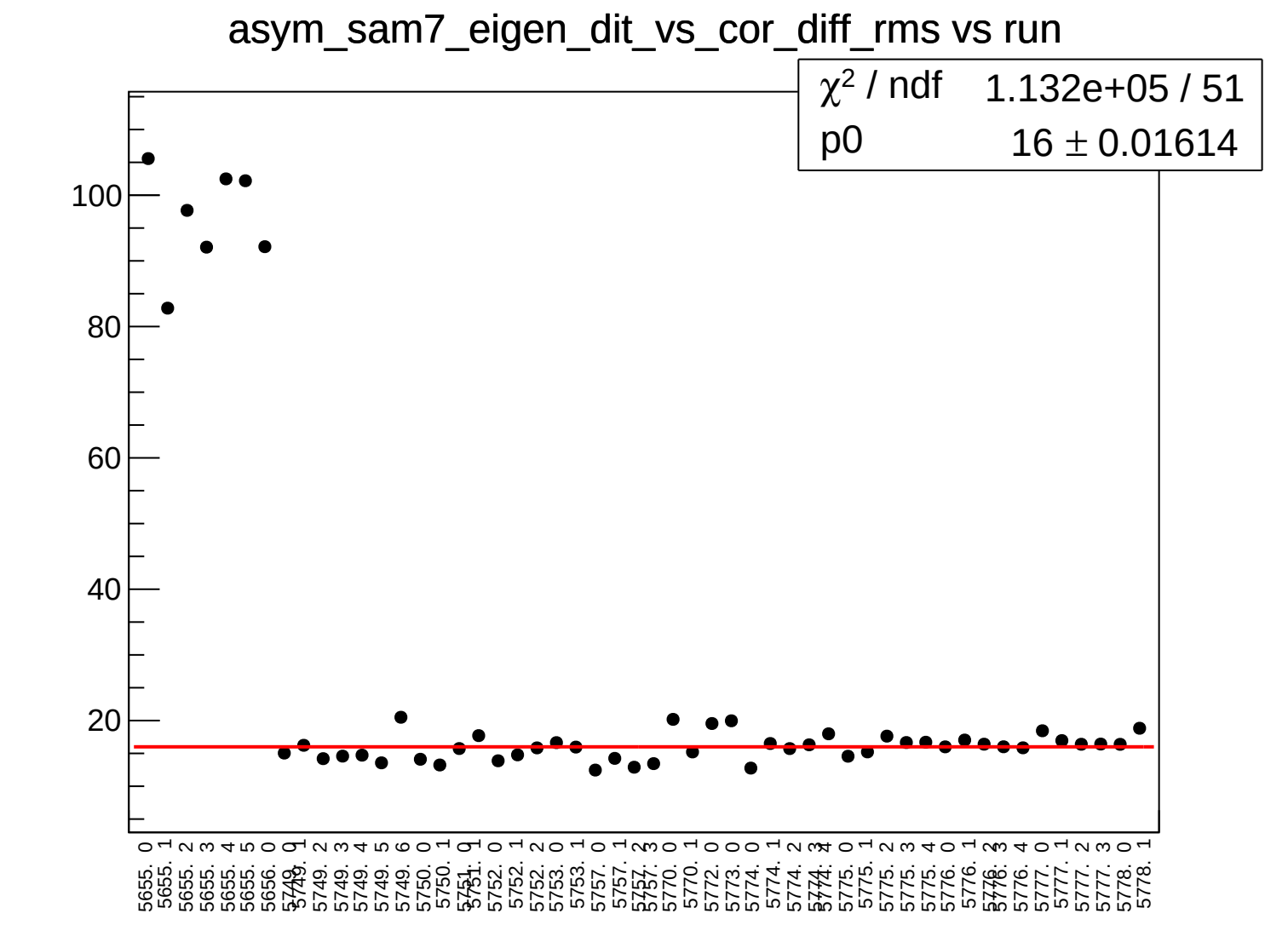

asym_sam7_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.132e+05 / 51
p0 16 ± 0.01614
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

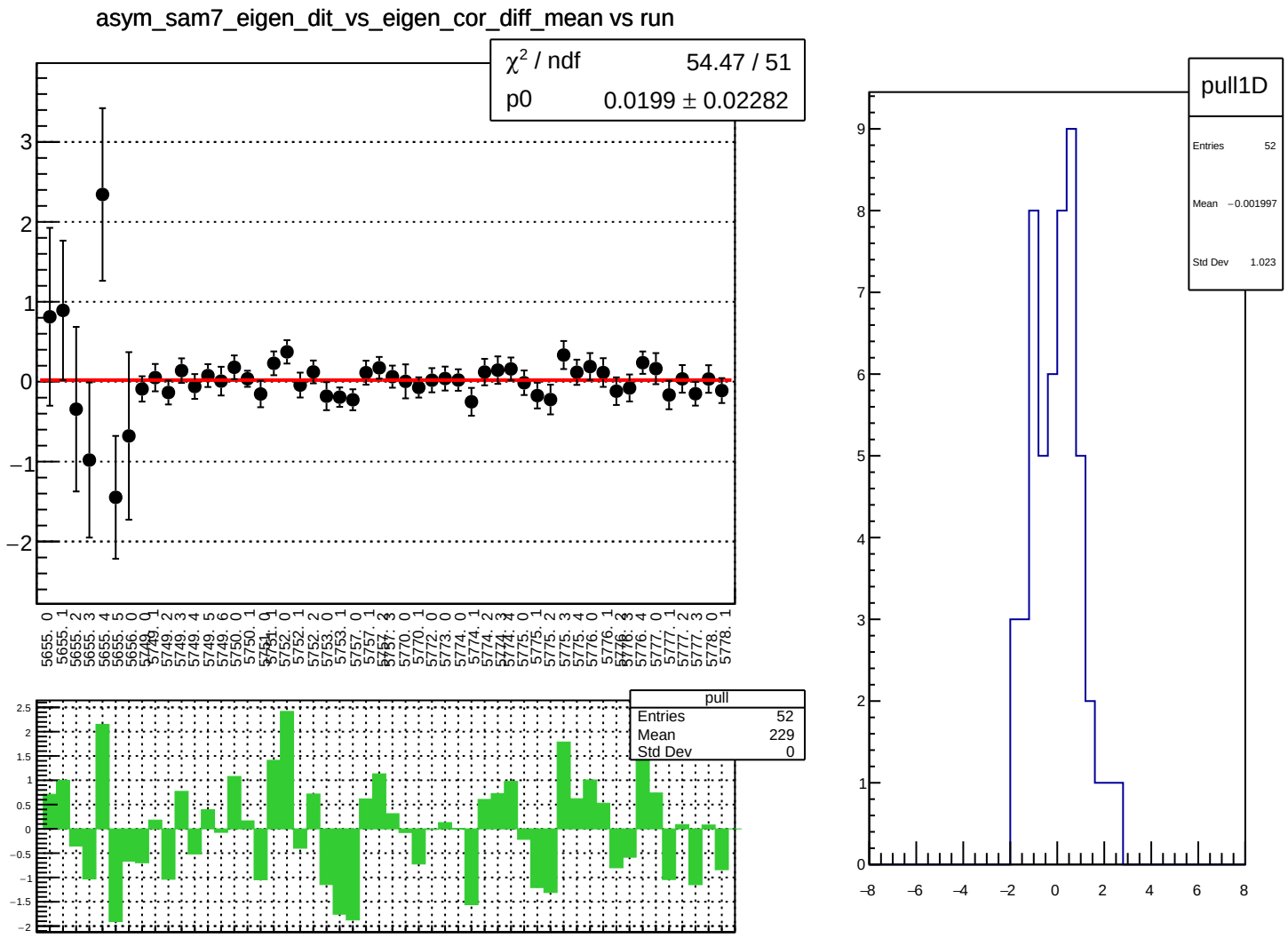

asym_sam7_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.12 / 51
p0 −5.416e−07 ± 1.146e−06
pull
Entries 52
Mean 18.89
Std Dev 0

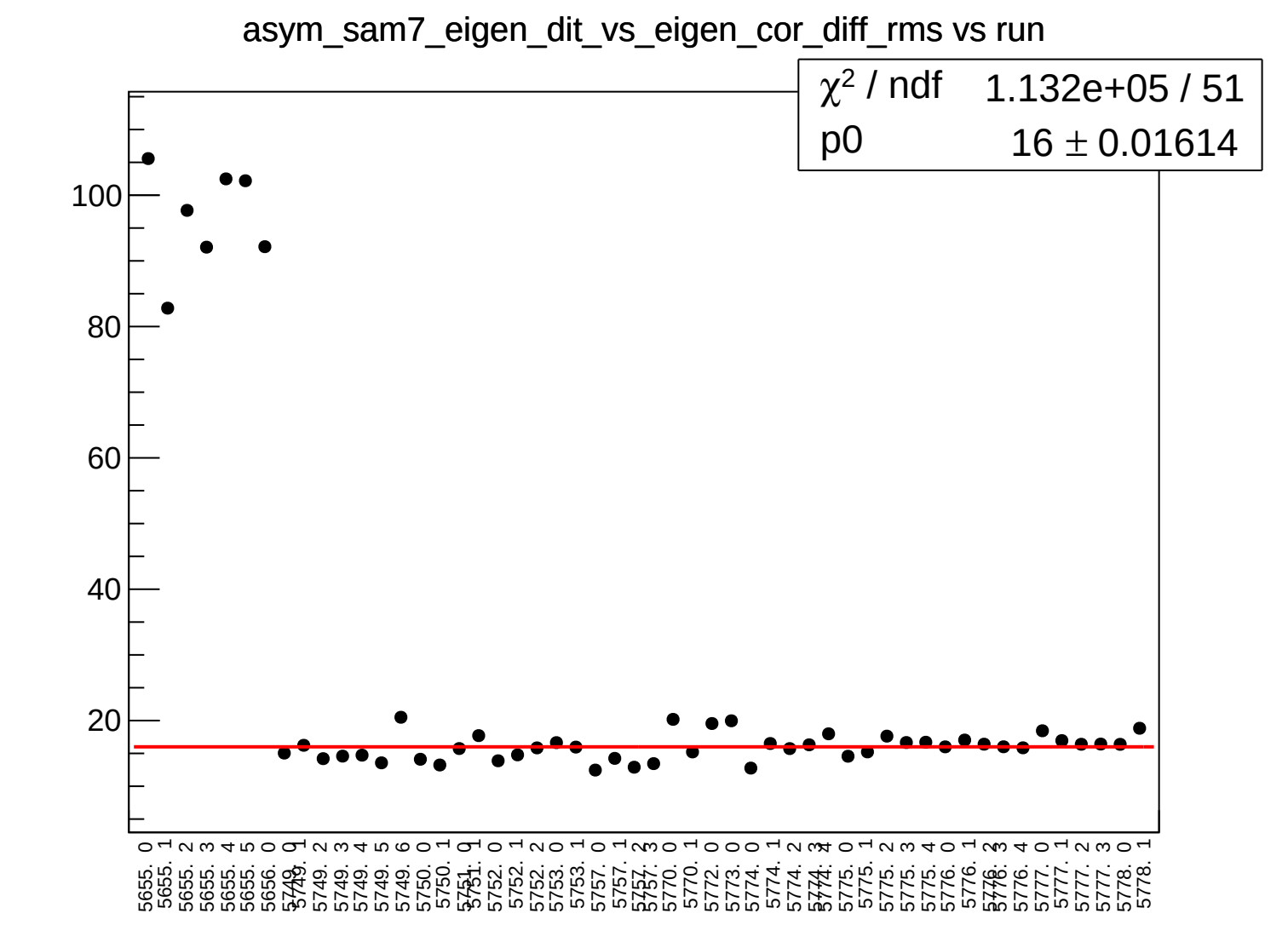

pull1D
Entries 52
Mean 0.02155
Std Dev 1.02

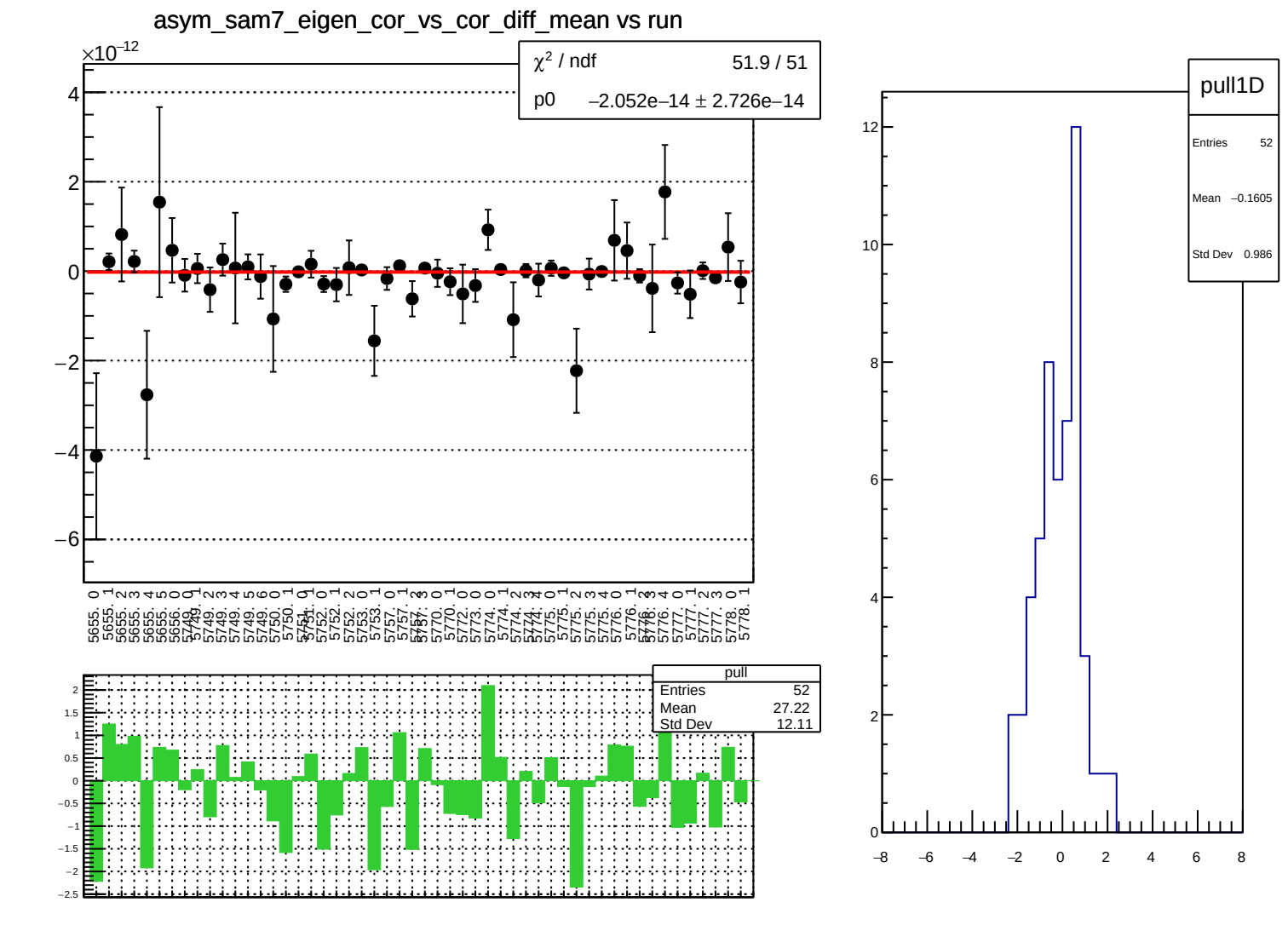

asym_sam7_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.138e+04 / 51
p0 0.0008437 ± 8.1e–07
0.00105
0.001
0.00095
0.0009
0.00085
0.0008
0.00075
0.0007
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

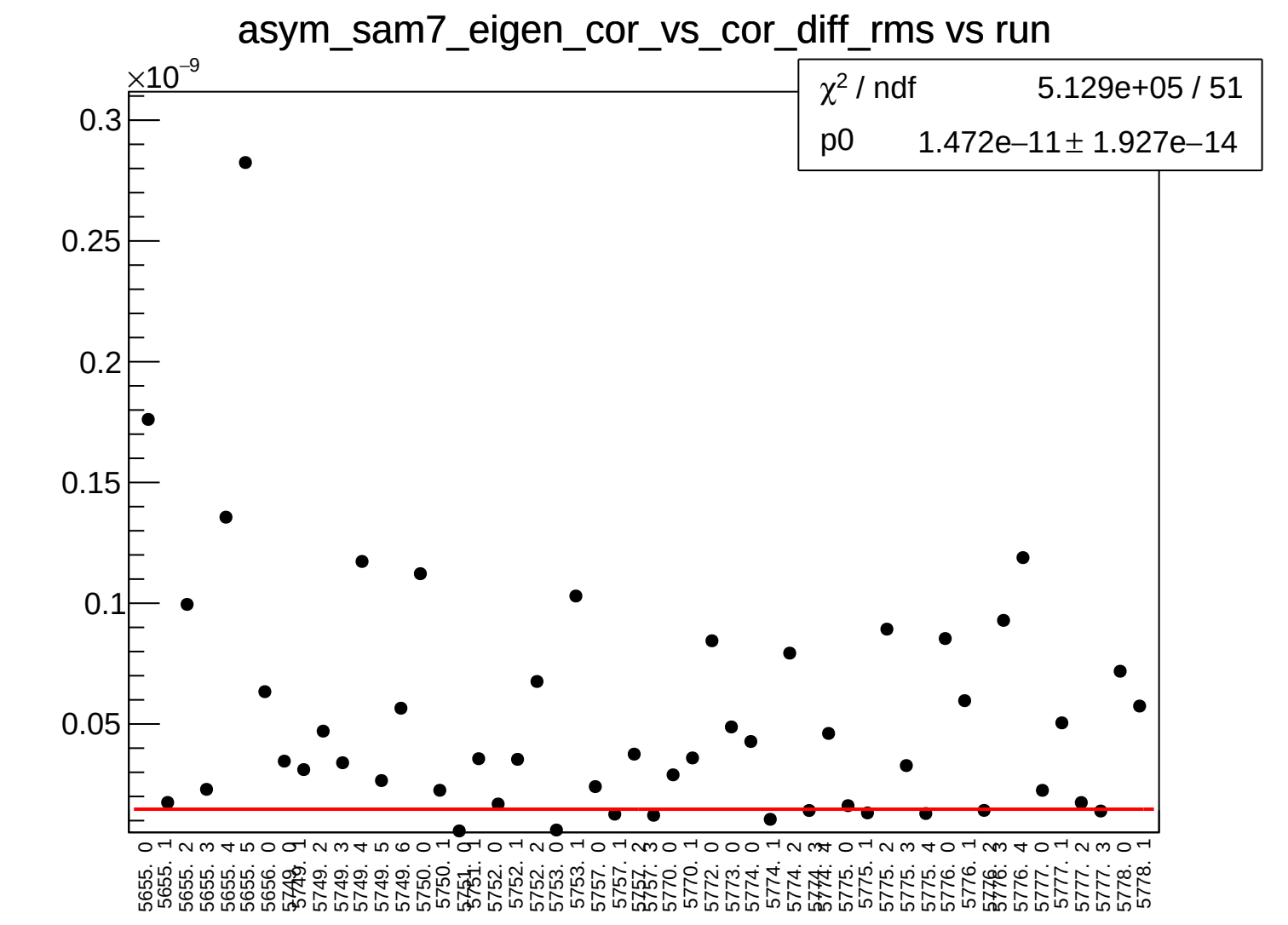

asym_sam7_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.47 / 51
p0 0.0199 ± 0.02282
pull
Entries 52
Mean 229
Std Dev 0
pull1D
Entries 52
Mean −0.001997
Std Dev 1.023

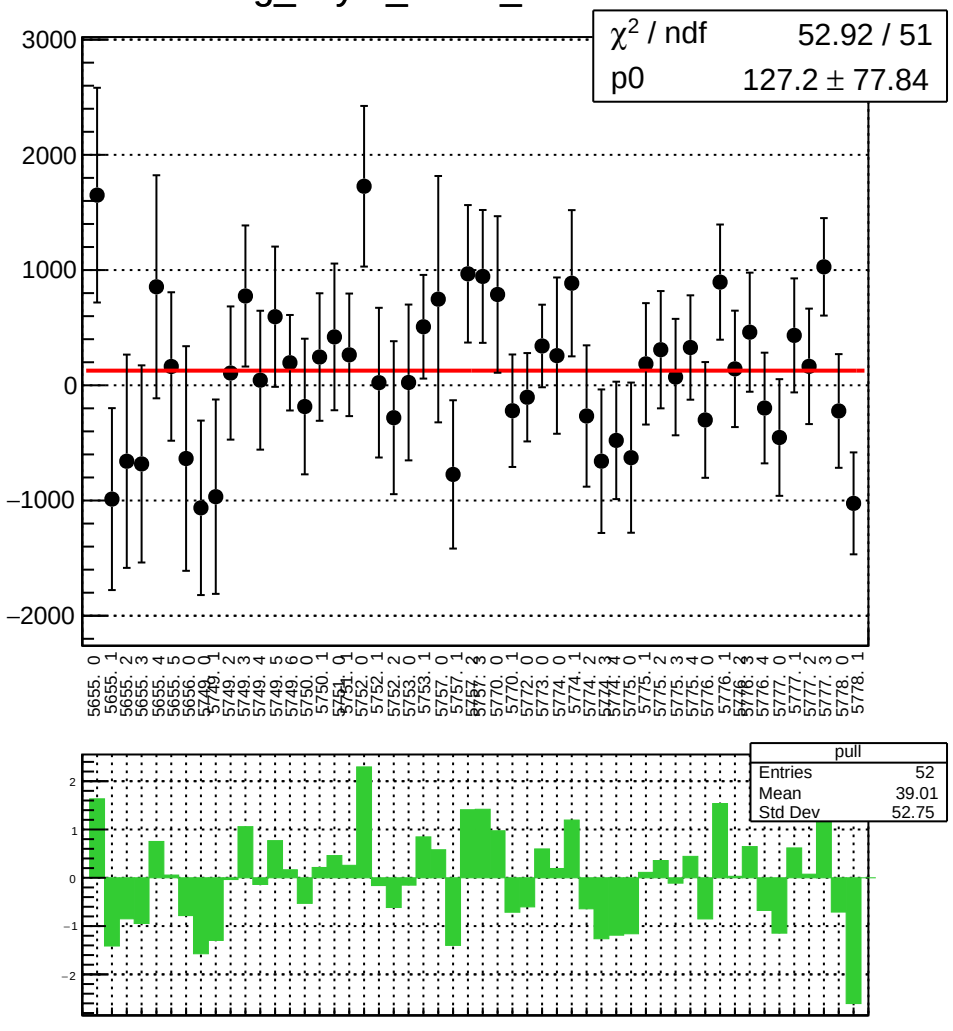

asym_sam7_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.132e+05 / 51
p0 16 ± 0.01614
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

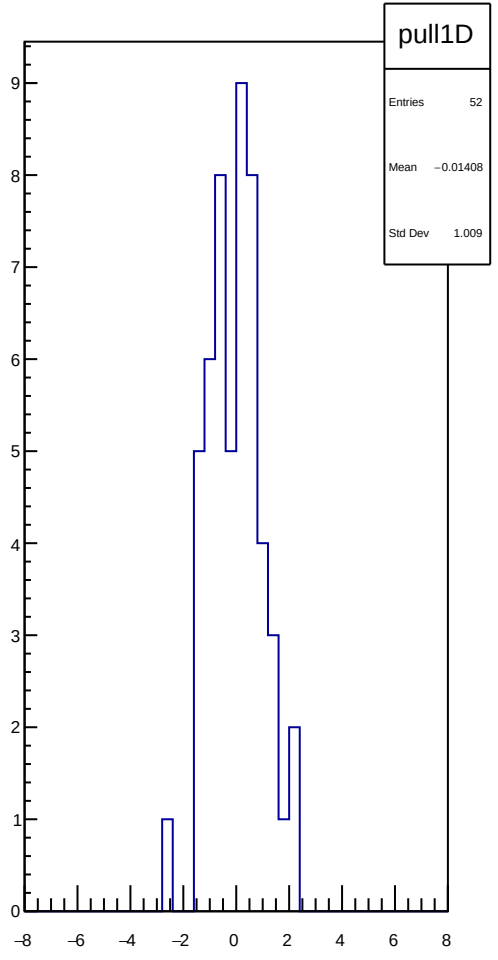

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.47 / 51
p0 0.0199 ± 0.02282
pull
Entries 52
Mean 229
Std Dev 0
pull1D
Entries 52
Mean −0.001997
Std Dev 1.023

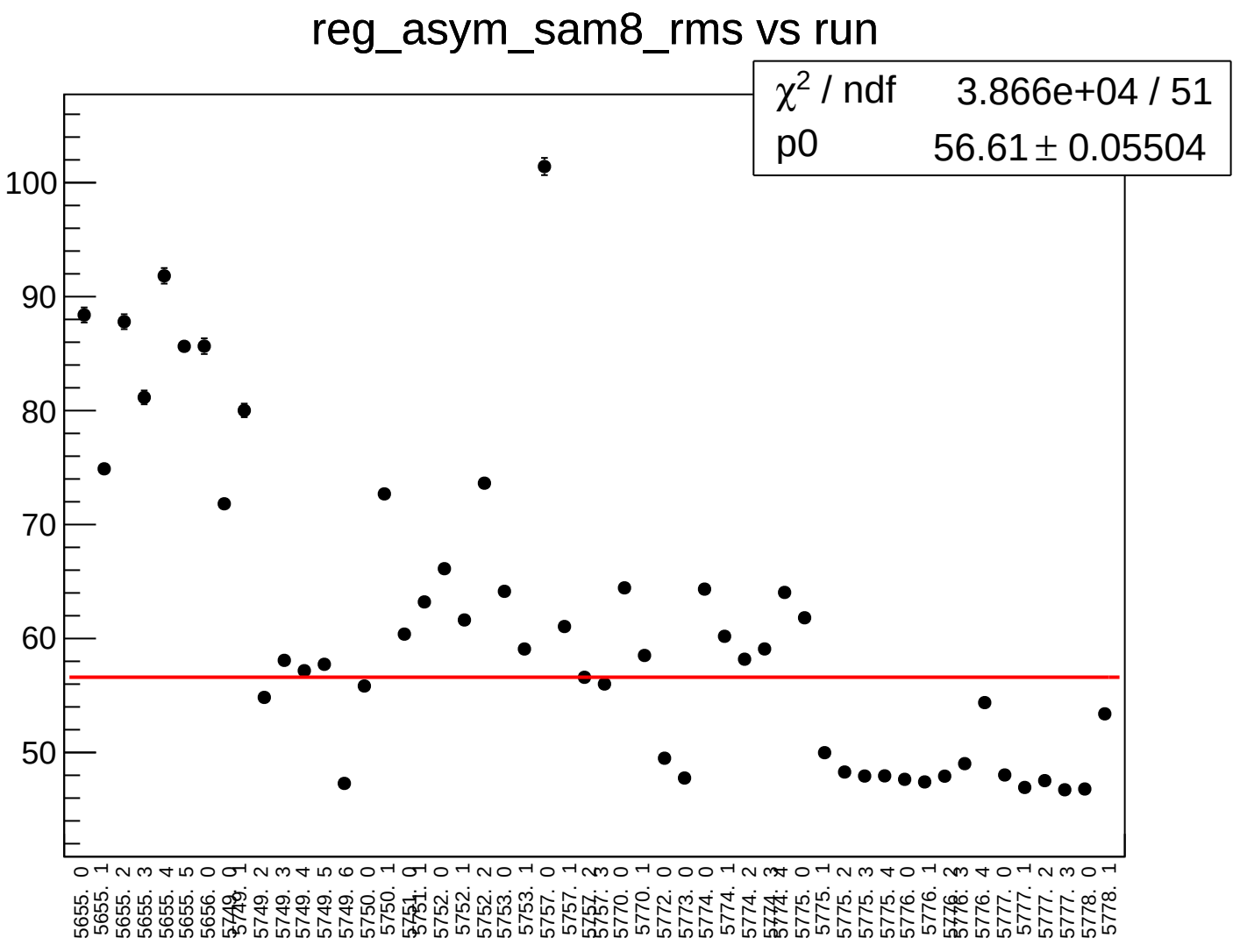

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.132e+05 / 51
p0 16 ± 0.01614
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam7_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.9 / 51
p0 −2.052e−14 ± 2.726e−14
pull
Entries 52
Mean 27.22
Std Dev 12.11
pull1D
Entries 52
Mean −0.1605
Std Dev 0.986


asym_sam7_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.129e+05 / 51
p0 1.472e−11 ± 1.927e−14
0.3
0.25
0.2
0.15
0.1
0.05
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


reg_asym_sam8_mean vs run
χ² / ndf 52.92 / 51
p0 127.2 ± 77.84
pull
Entries 52
Mean 39.01
Std Dev 52.75


pull1D
Entries 52
Mean −0.01408
Std Dev 1.009


reg_asym_sam8_rms vs run
χ^2 / ndf 3.866e+04 / 51
p0 56.61 ± 0.05504
100
90
80
70
60
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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5776. 3
5776. 4
5777. 0
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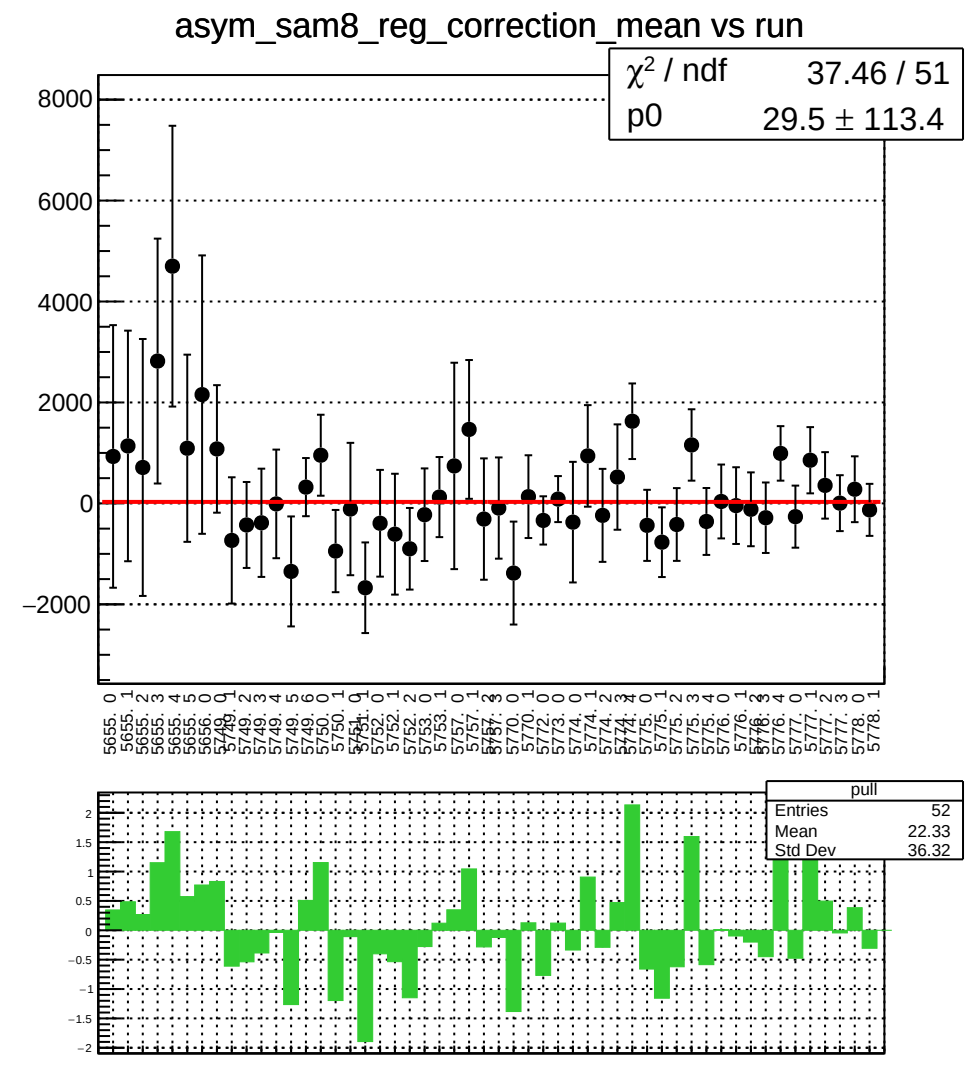
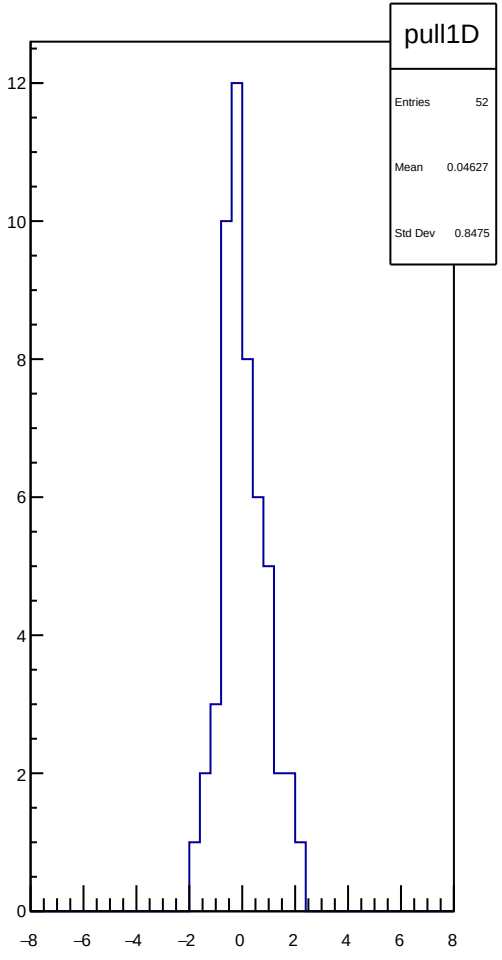
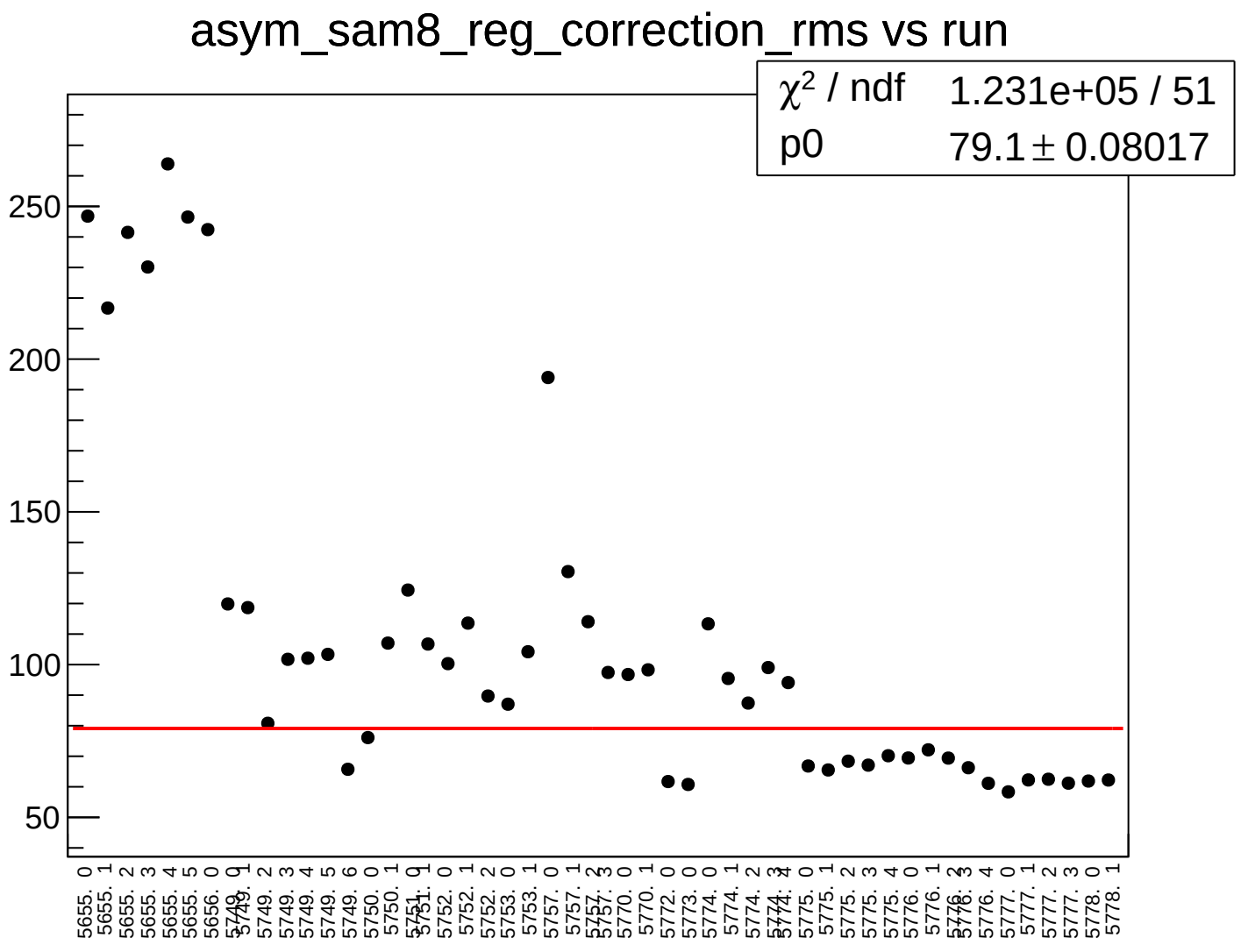
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam8_reg_correction_mean vs run
χ² / ndf 37.46 / 51
p0 29.5 ± 113.4
pull
Entries 52
Mean 22.33
Std Dev 36.32


pull1D
Entries 52
Mean 0.04627
Std Dev 0.8475


asym_sam8_reg_correction_rms vs run
χ² / ndf 1.231e+05 / 51
p0 79.1 ± 0.08017
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5750. 1
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5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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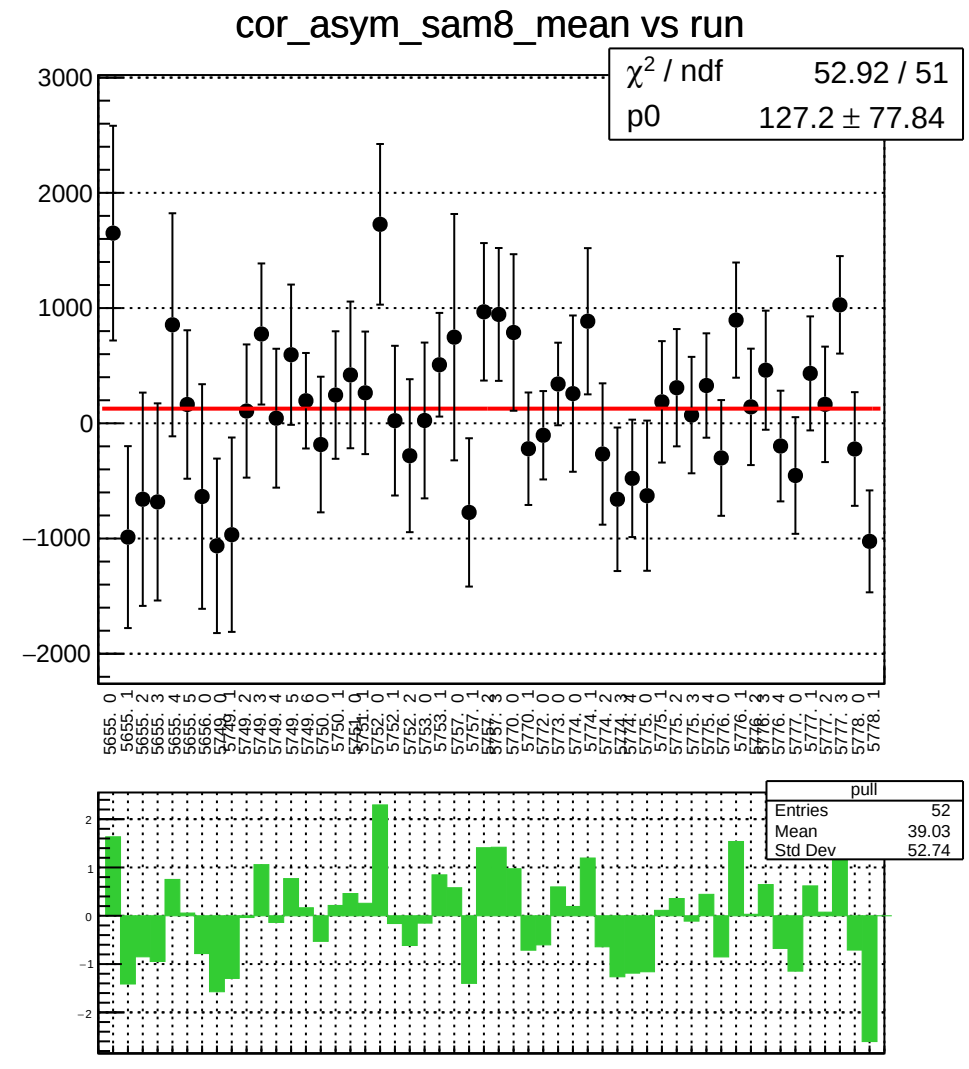
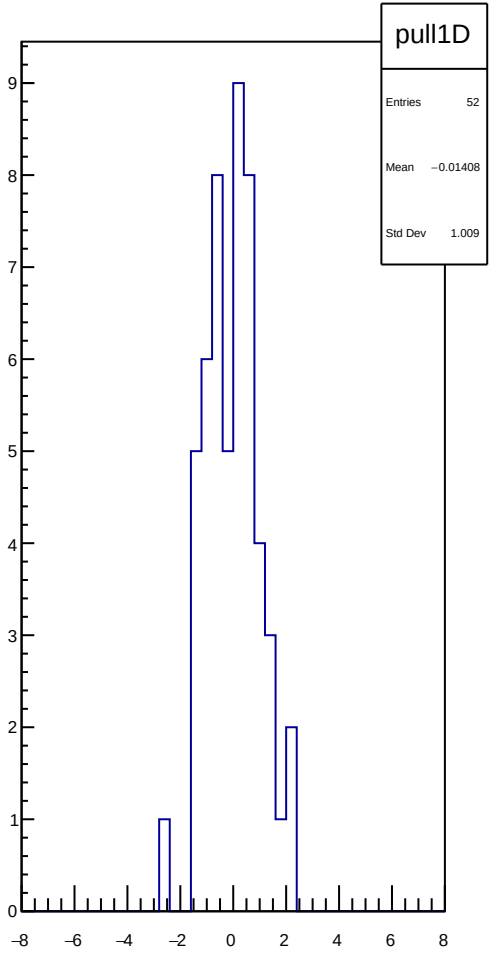
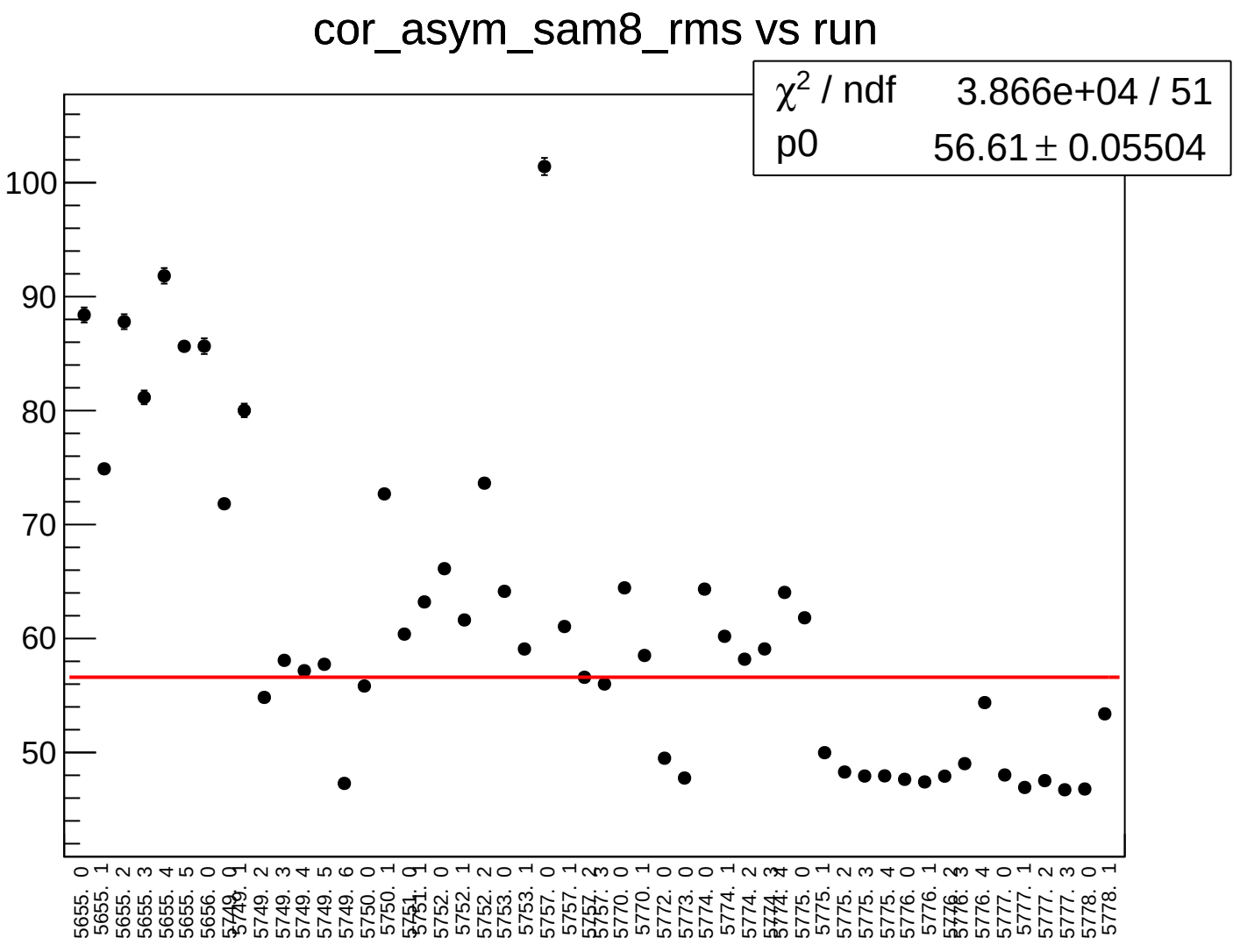
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_sam8_mean vs run
χ² / ndf 52.92 / 51
p0 127.2 ± 77.84
3000
2000
1000
0
−1000
−2000
pull
Entries 52
Mean 39.03
Std Dev 52.74
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.01408
Std Dev 1.009
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam8_rms vs run
χ^2 / ndf 3.866e+04 / 51
p0 56.61 ± 0.05504
100
90
80
70
60
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
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5749. 3
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5749. 5
5749. 6
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5751. 1
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5775. 1
5775. 2
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5775. 4
5776. 0
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5776. 4
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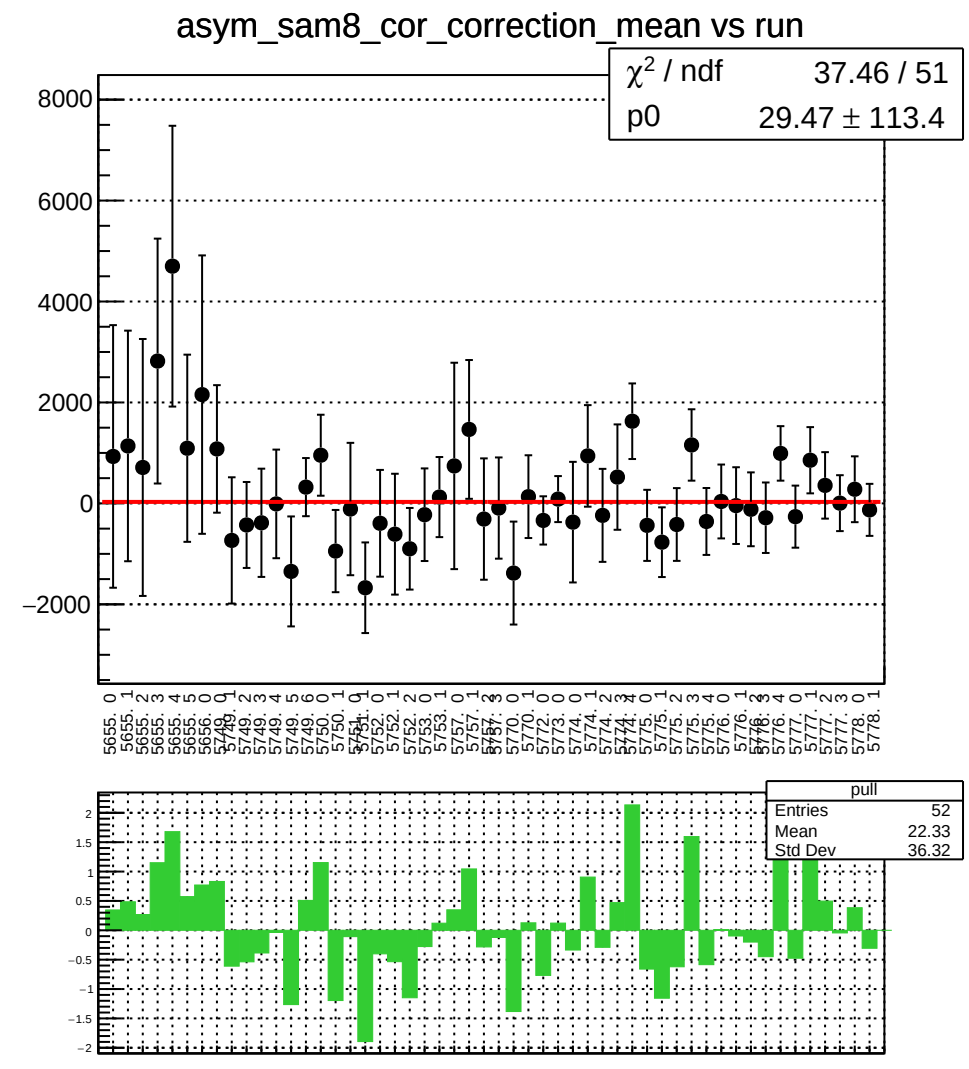
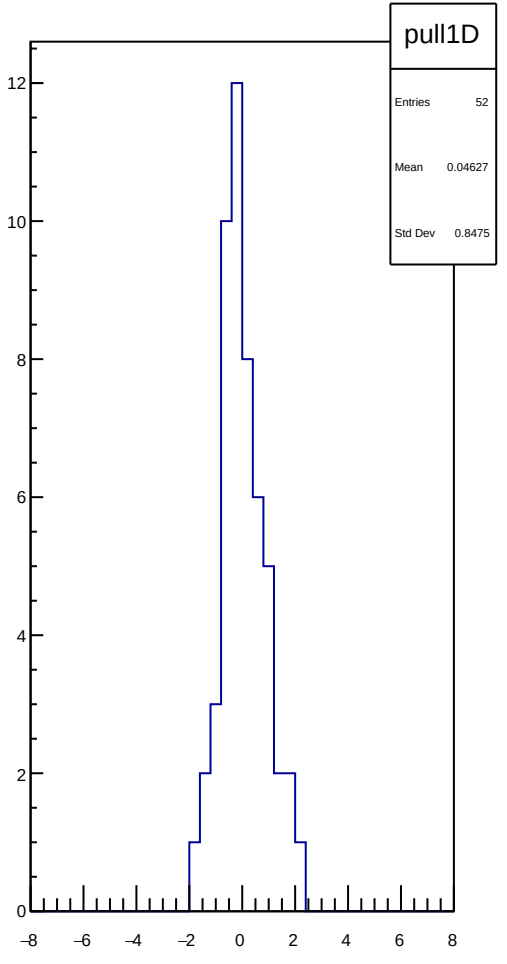
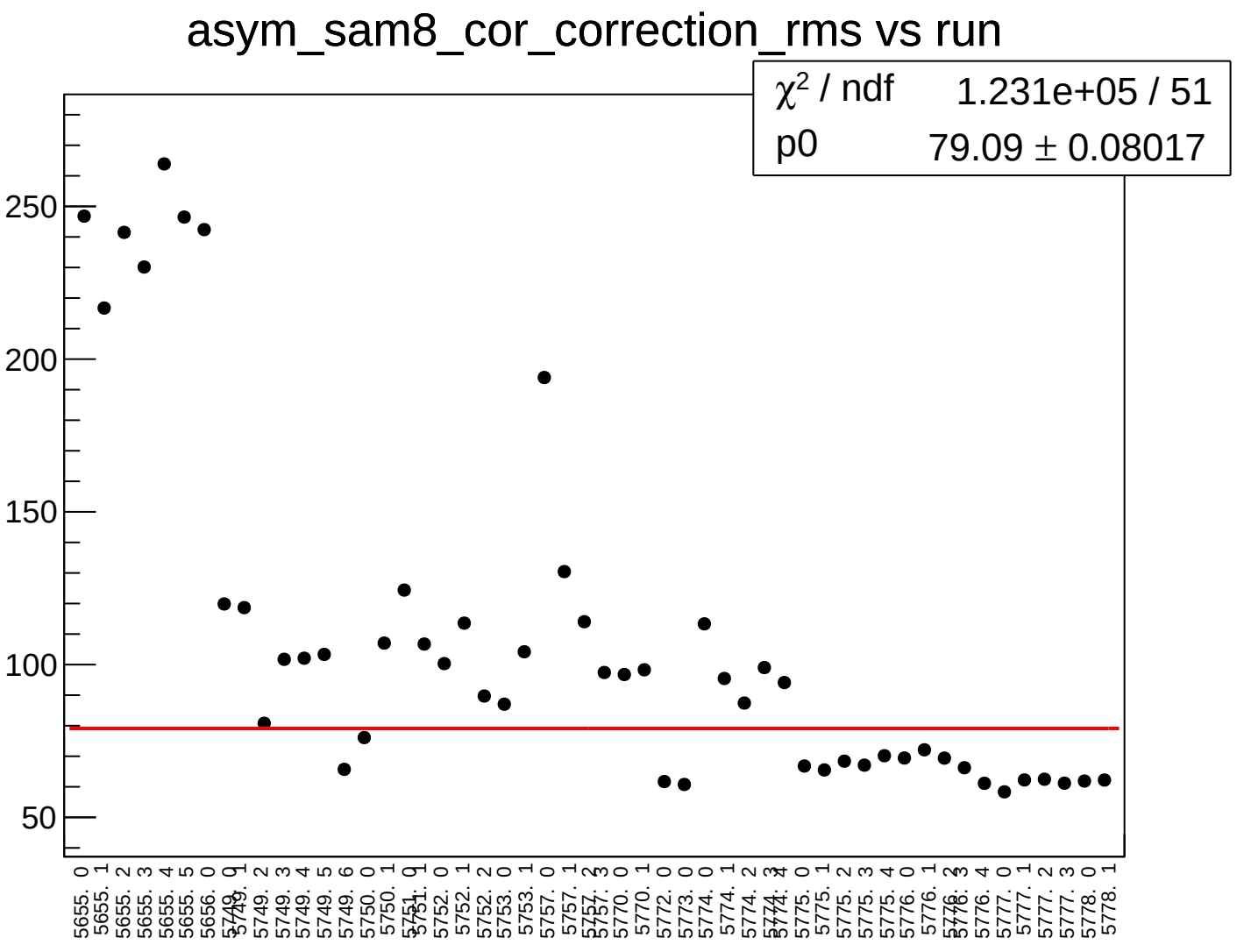
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam8_cor_correction_mean vs run
χ² / ndf 37.46 / 51
p0 29.47 ± 113.4
8000
6000
4000
2000
0
−2000
pull
Entries 52
Mean 22.33
Std Dev 36.32
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean 0.04627
Std Dev 0.8475
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam8_cor_correction_rms vs run
χ² / ndf 1.231e+05 / 51
p0 79.09 ± 0.08017
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5749. 6
5750. 0
5750. 1
5751. 0
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5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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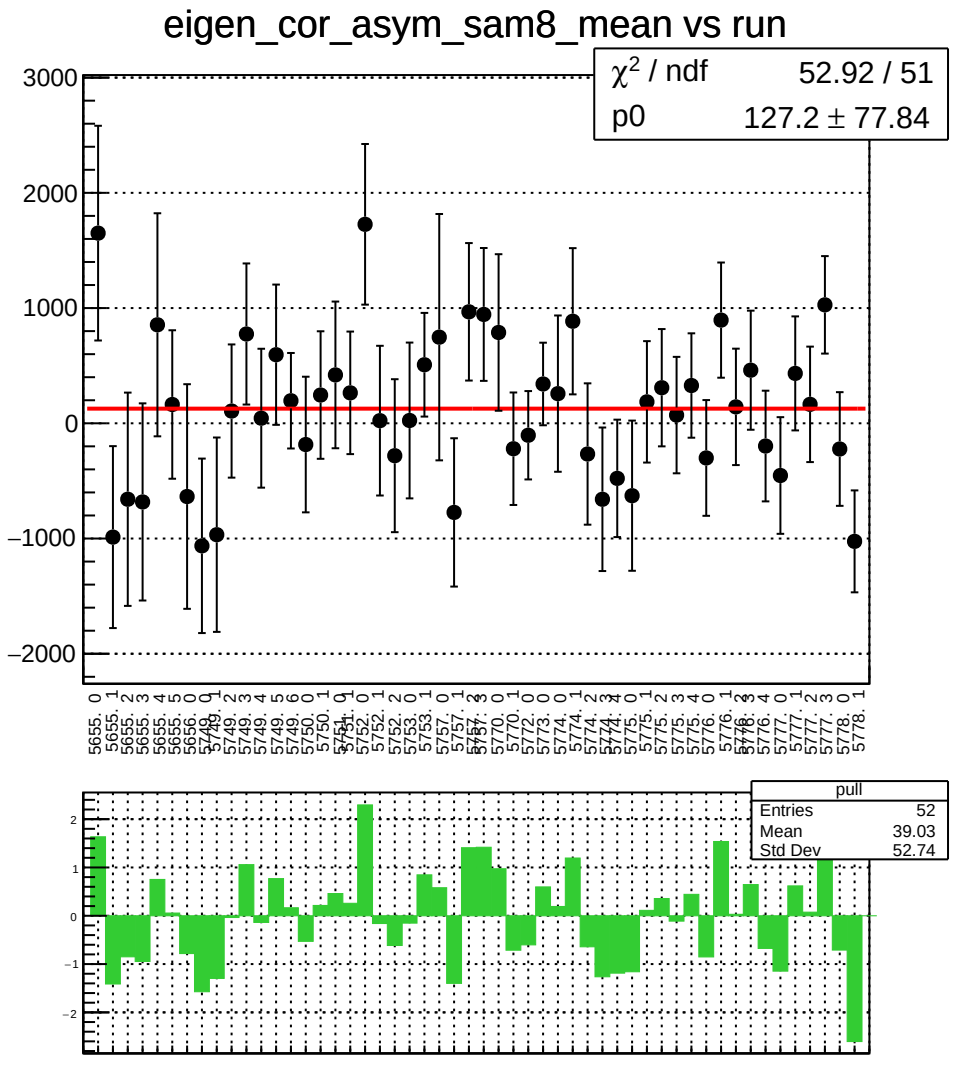
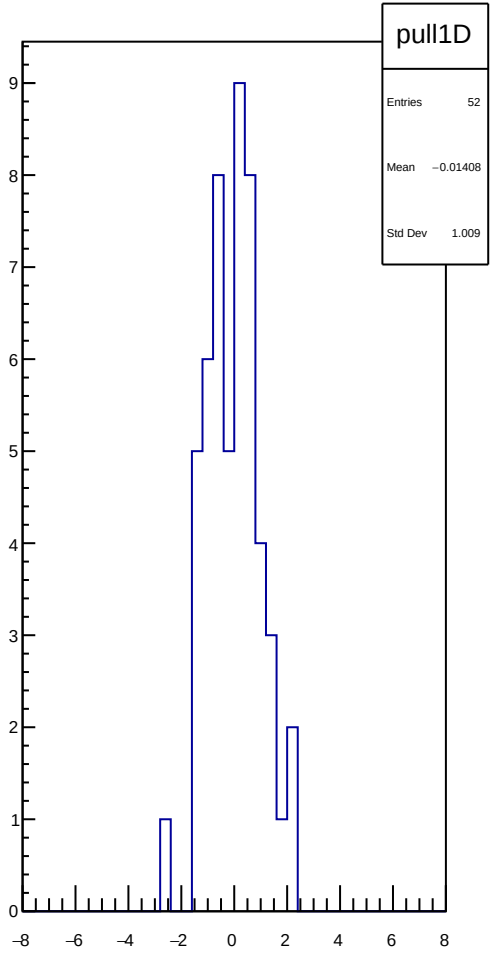
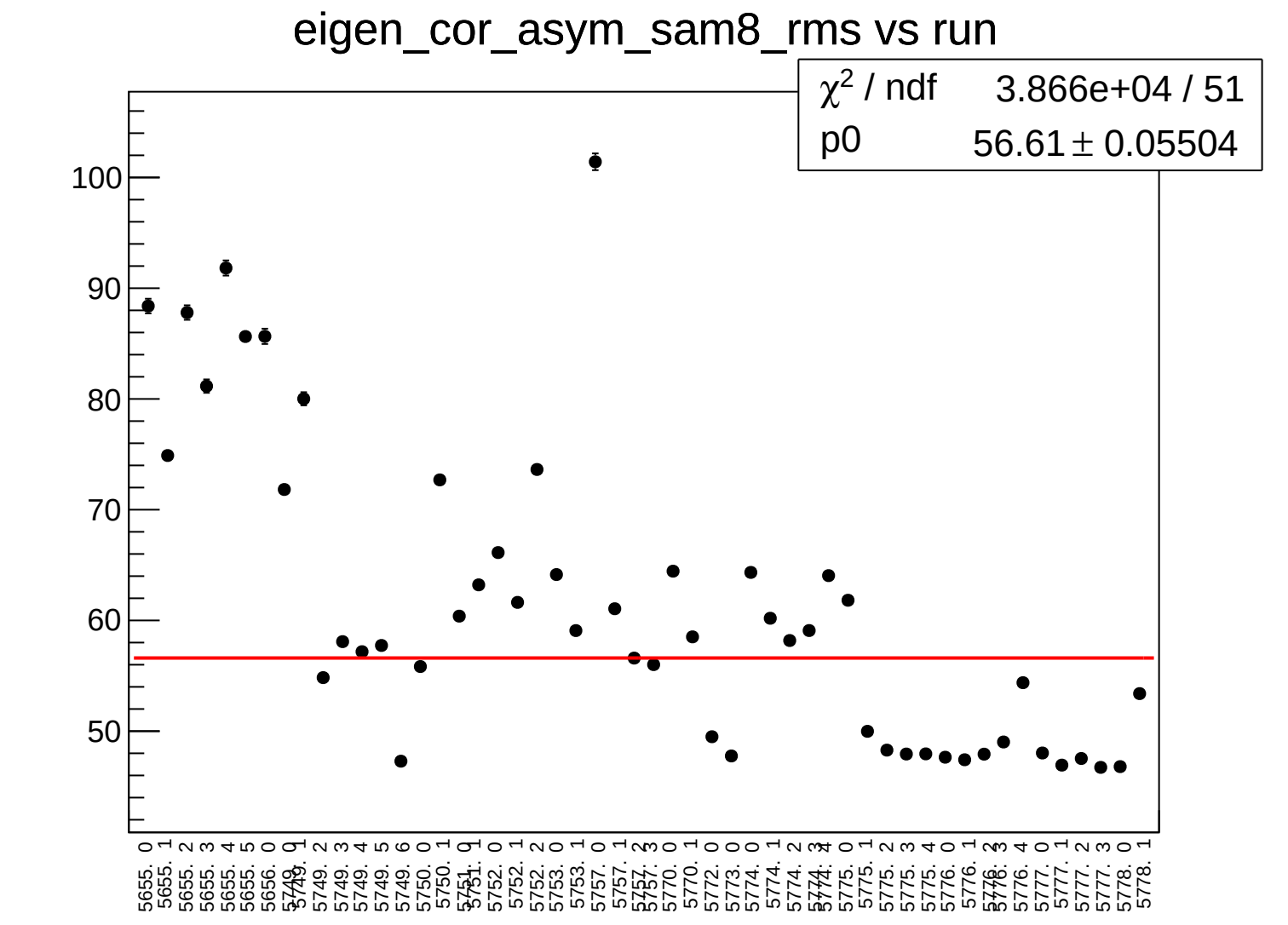
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_sam8_mean vs run
χ² / ndf 52.92 / 51
p0 127.2 ± 77.84
pull
Entries 52
Mean 39.03
Std Dev 52.74


pull1D
Entries 52
Mean −0.01408
Std Dev 1.009


eigen_cor_asym_sam8_rms vs run
χ^2 / ndf 3.866e+04 / 51
p0 56.61 ± 0.05504
100
90
80
70
60
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5749. 6
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5751. 0
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5752. 2
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5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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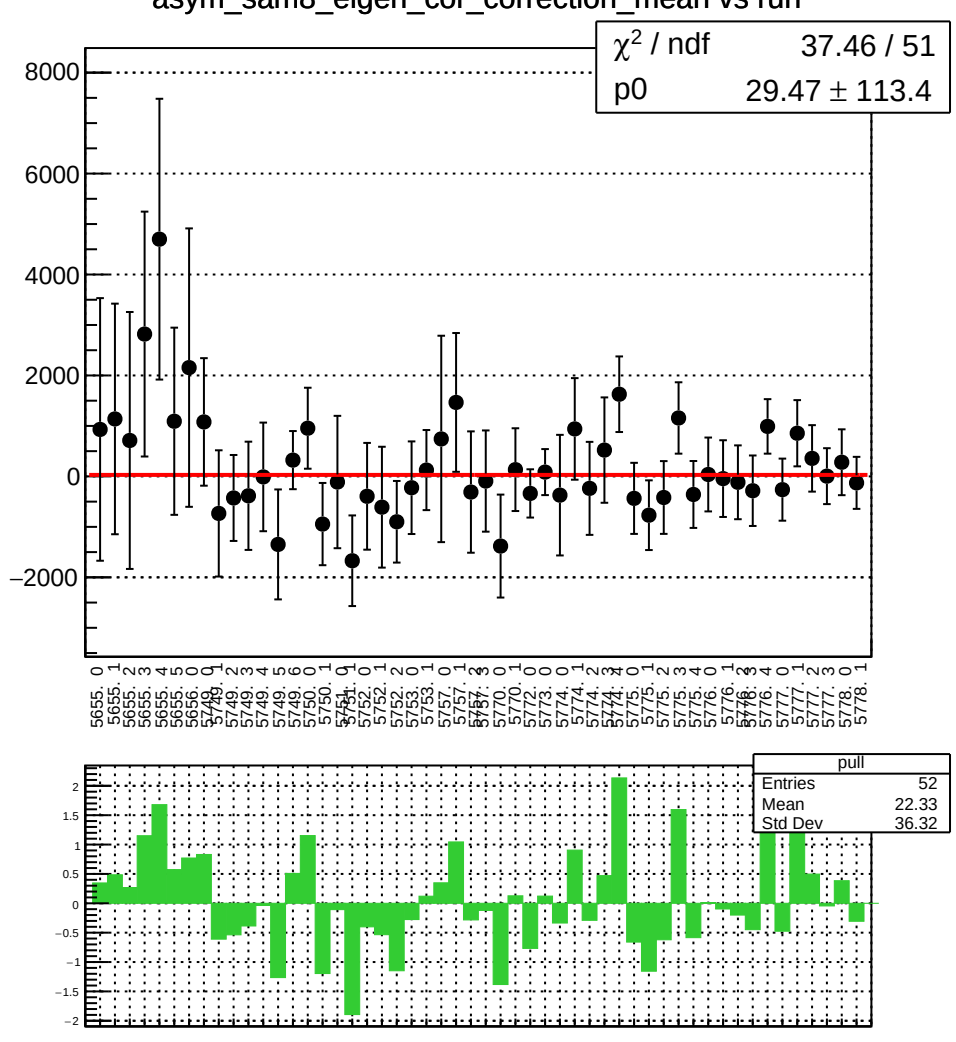
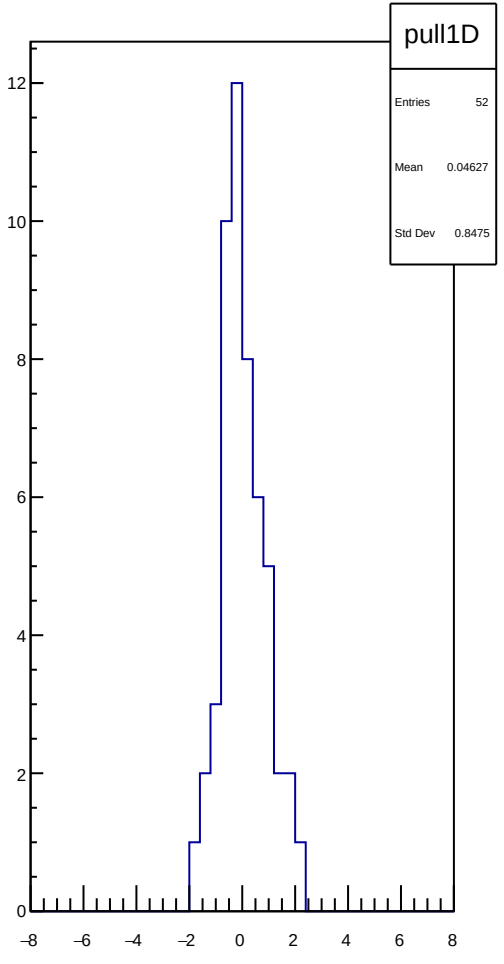
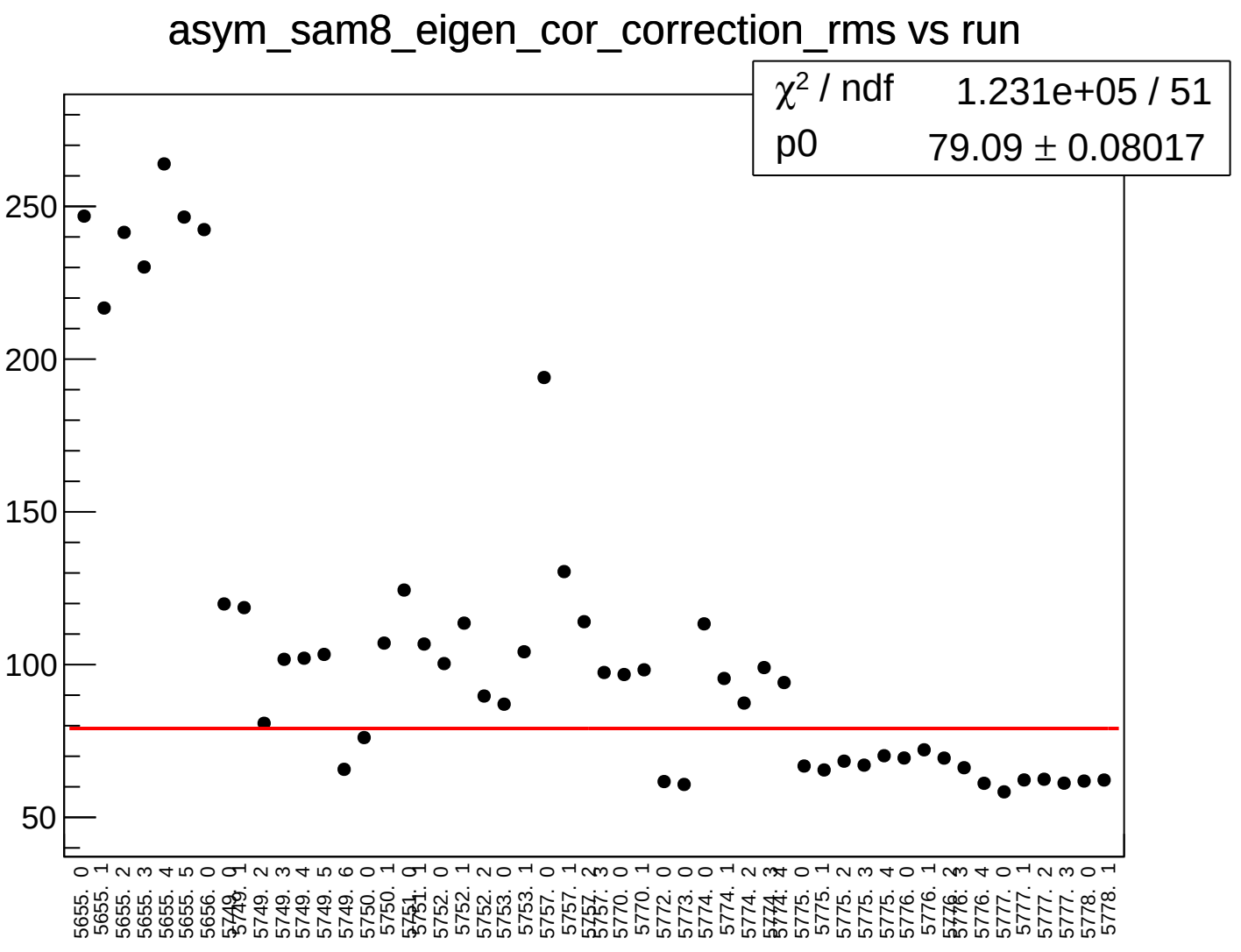
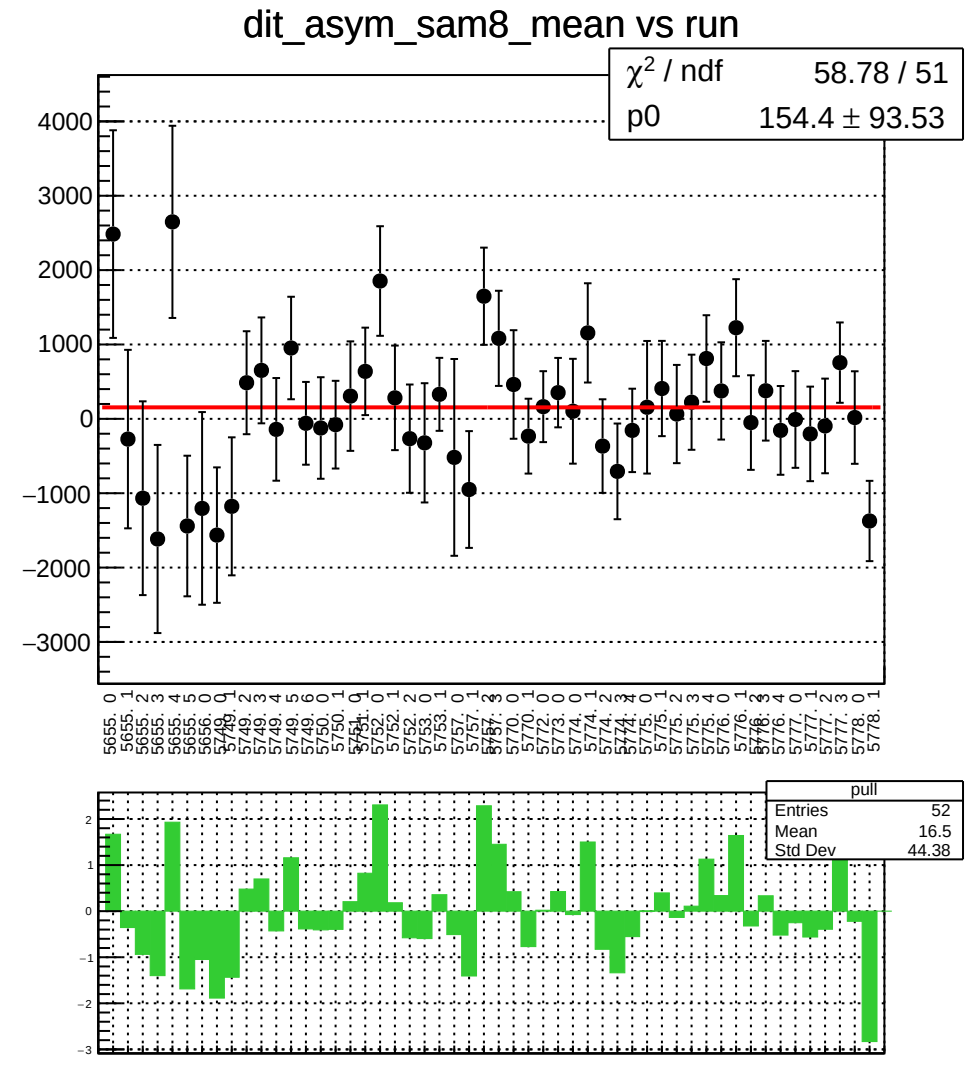
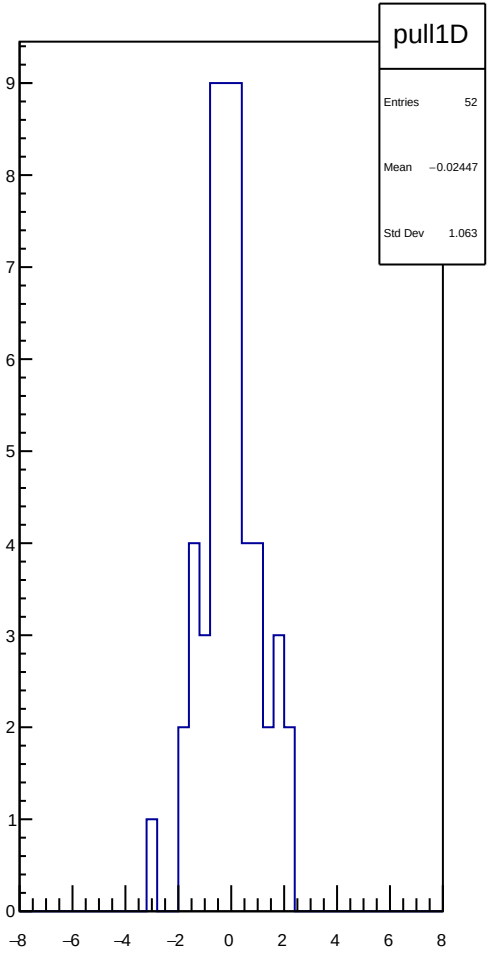
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

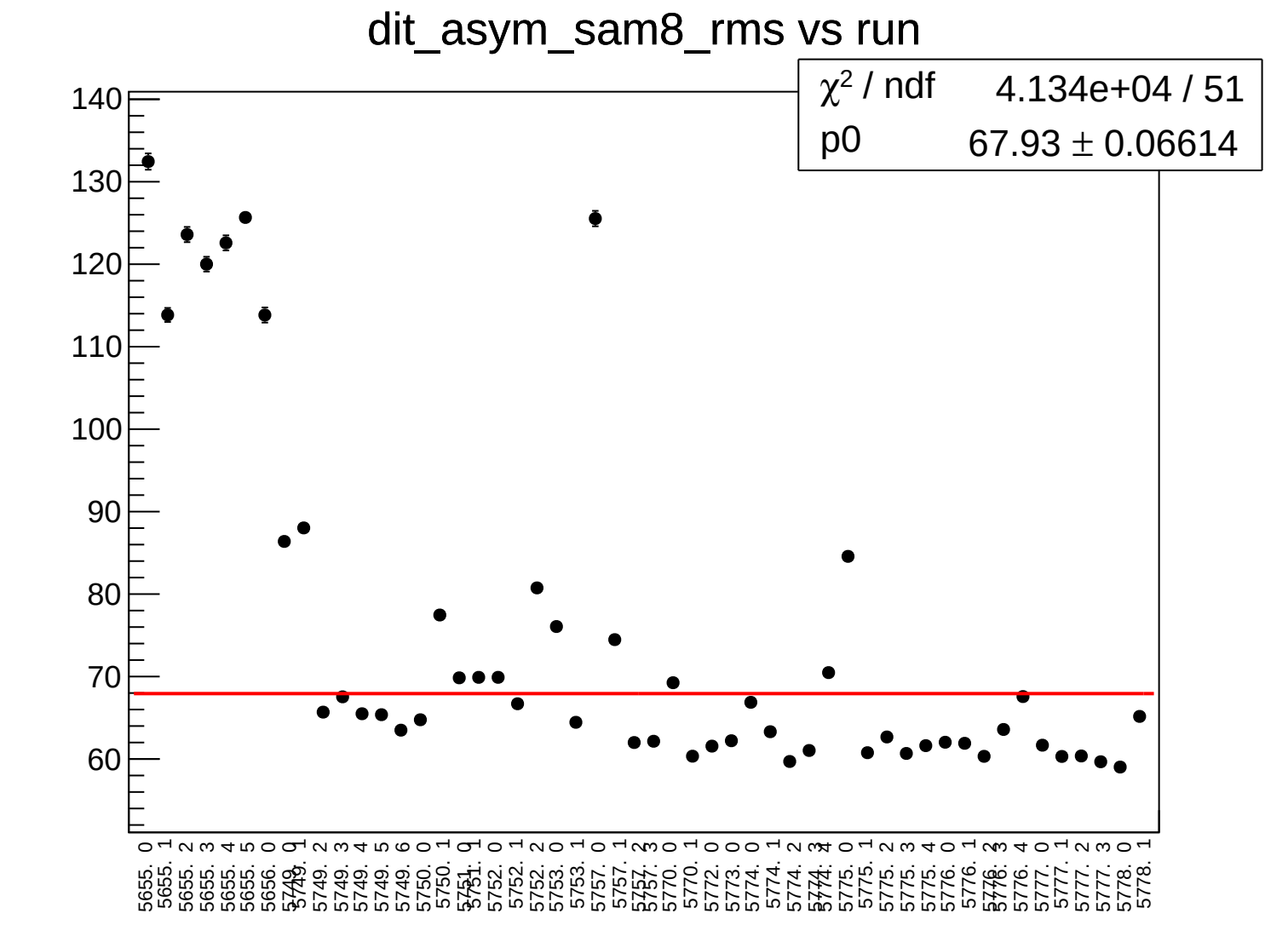

asym_sam8_eigen_cor_correction_mean vs run
χ² / ndf 37.46 / 51
p0 29.47 ± 113.4
pull
Entries 52
Mean 22.33
Std Dev 36.32

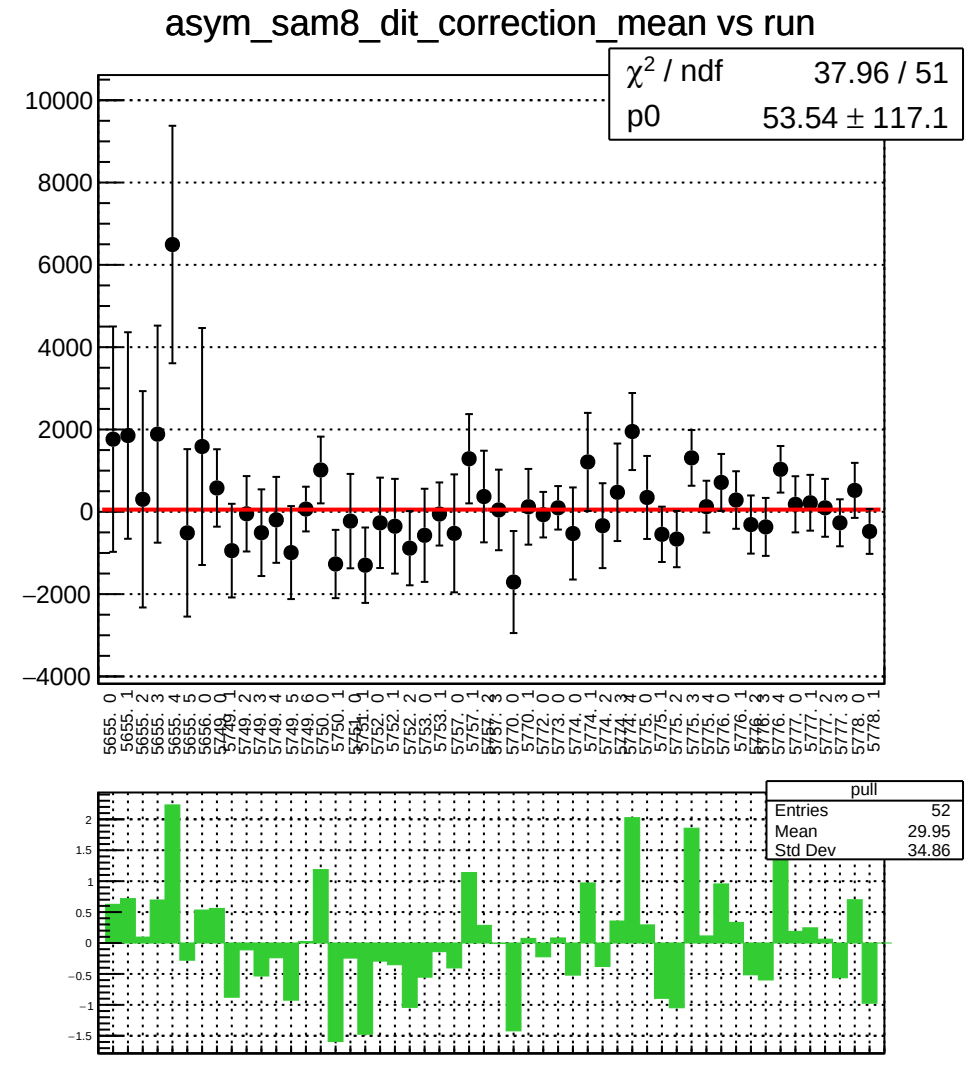

pull1D
Entries 52
Mean 0.04627
Std Dev 0.8475

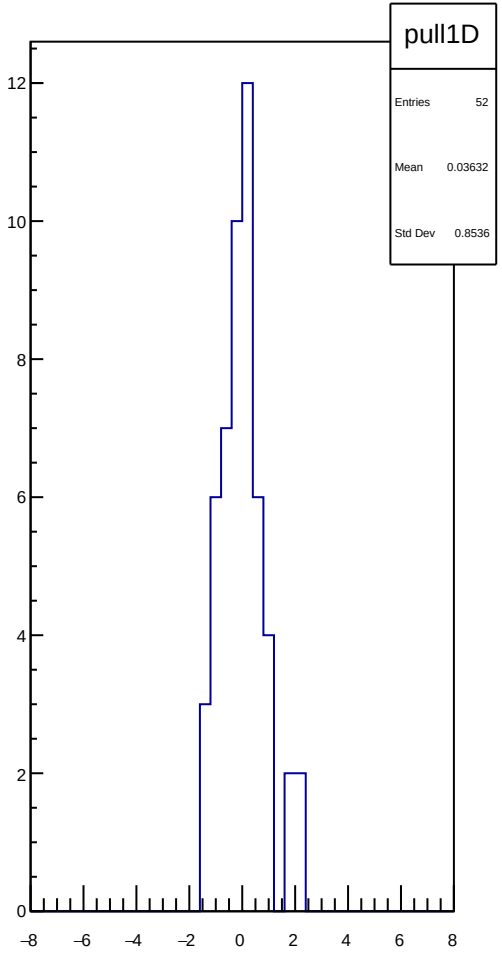

asym_sam8_eigen_cor_correction_rms vs run
χ^2 / ndf 1.231e+05 / 51
p0 79.09 ± 0.08017
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

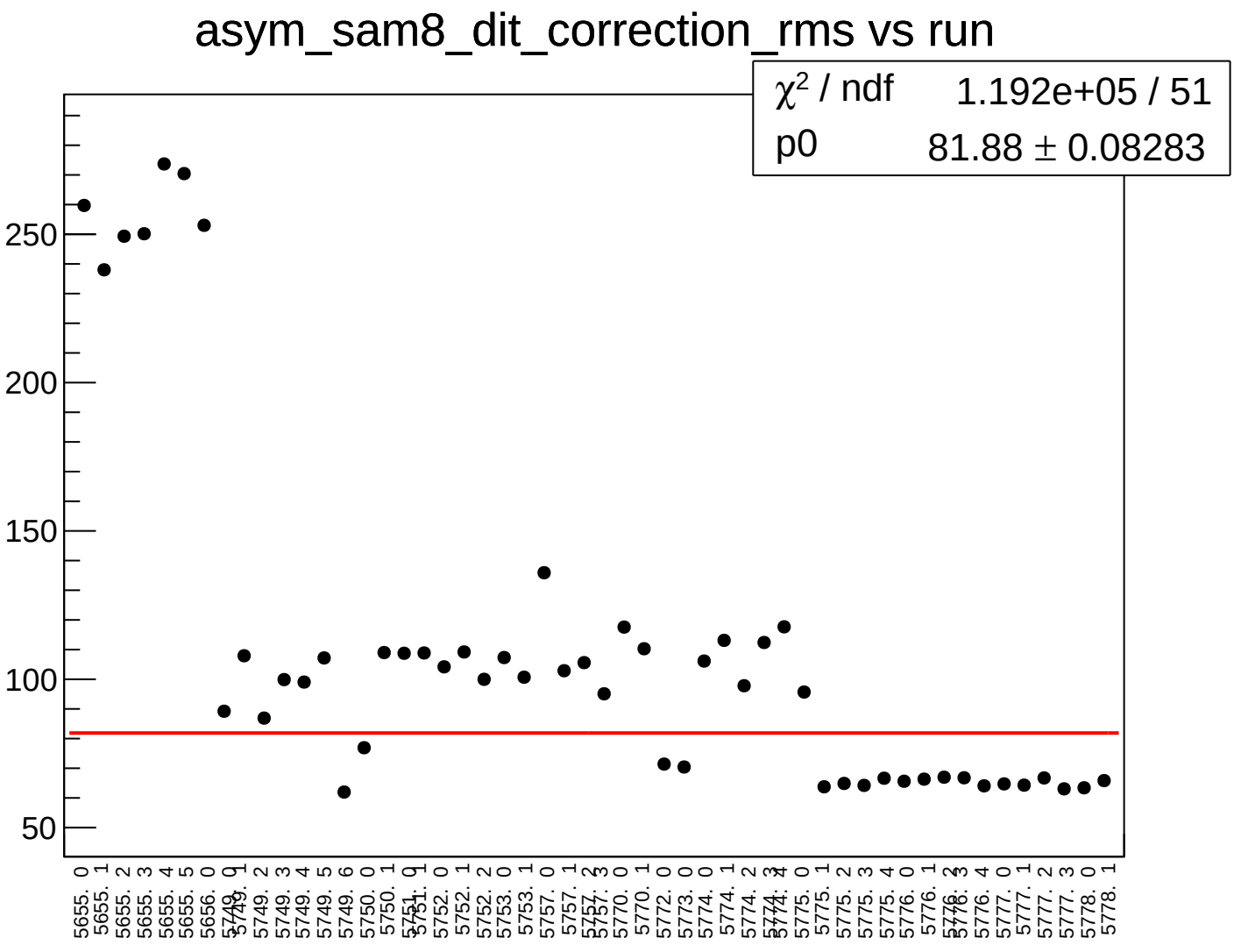

dit_asym_sam8_mean vs run
χ² / ndf 58.78 / 51
p0 154.4 ± 93.53
pull
Entries 52
Mean 16.5
Std Dev 44.38

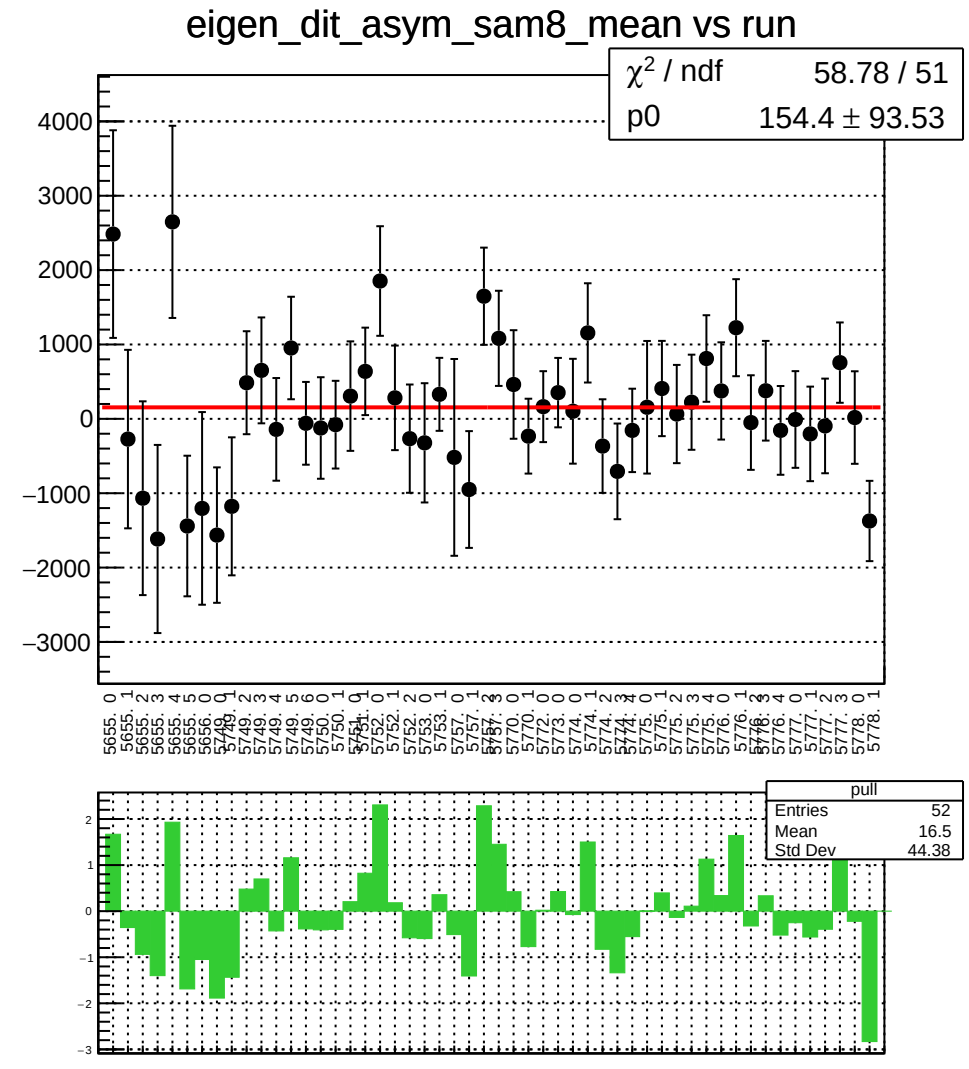

pull1D
Entries 52
Mean −0.02447
Std Dev 1.063

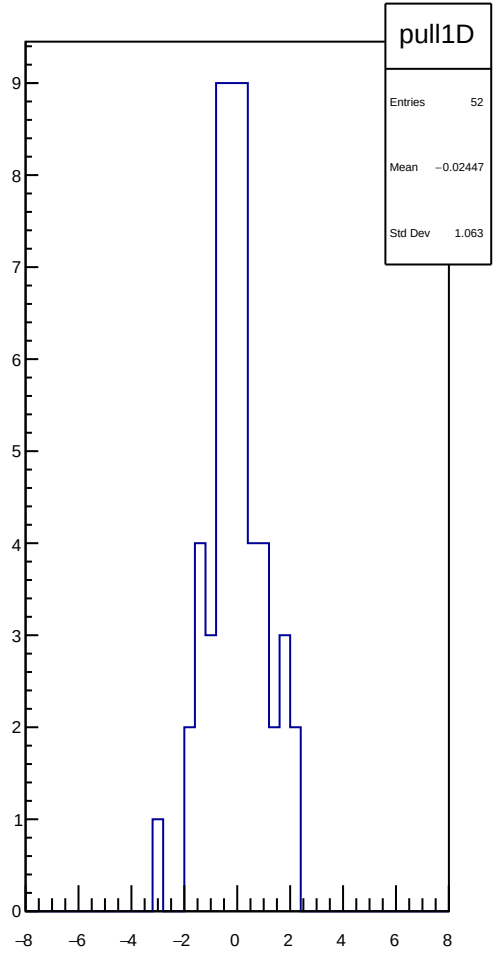

dit_asym_sam8_rms vs run
χ² / ndf 4.134e+04 / 51
p0 67.93 ± 0.06614
140
130
120
110
100
90
80
70
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

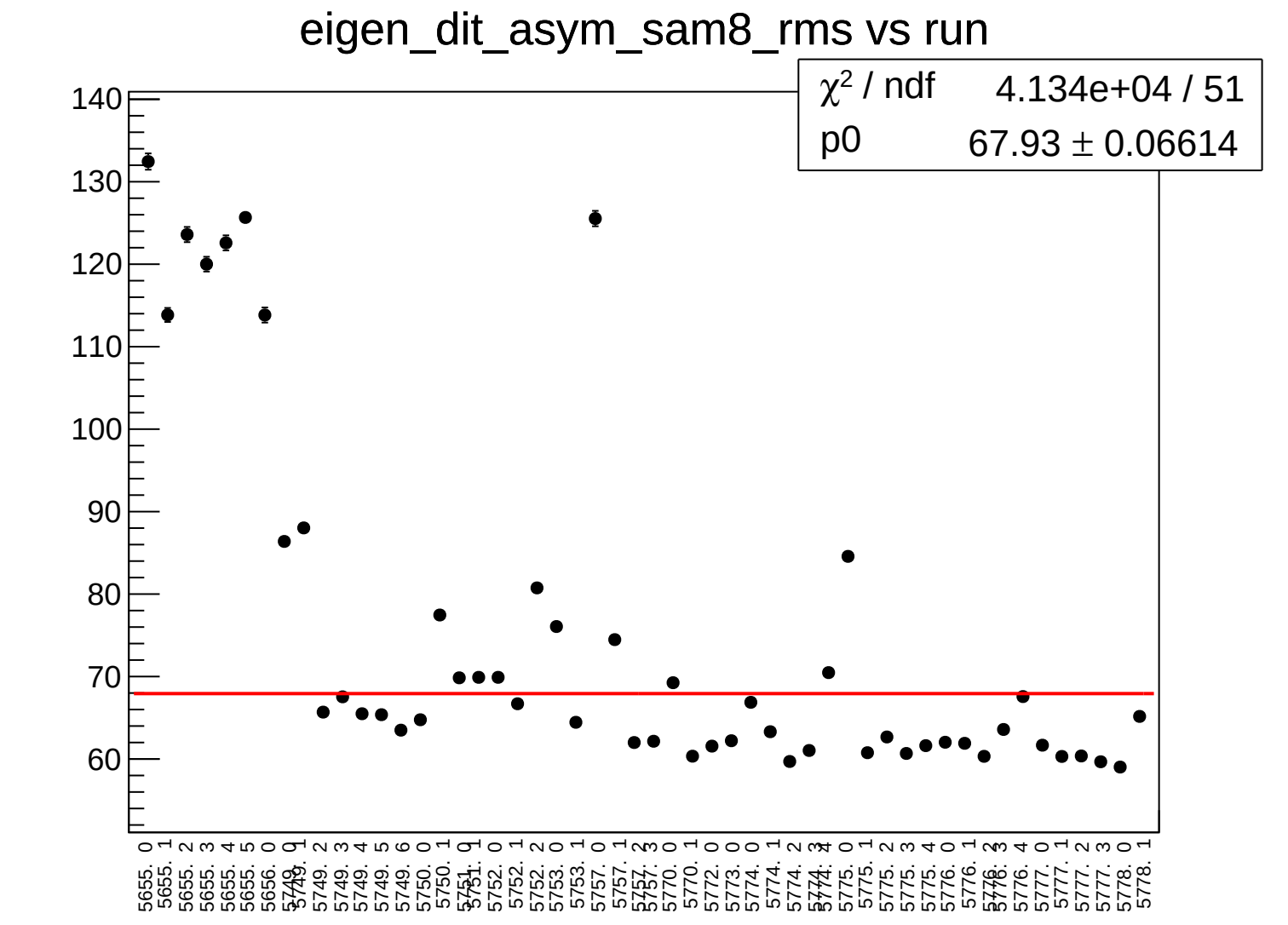

asym_sam8_dit_correction_mean vs run
χ² / ndf 37.96 / 51
p0 53.54 ± 117.1
pull
Entries 52
Mean 29.95
Std Dev 34.86


pull1D
Entries 52
Mean 0.03632
Std Dev 0.8536


asym_sam8_dit_correction_rms vs run
χ² / ndf 1.192e+05 / 51
p0 81.88 ± 0.08283
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_dit_asym_sam8_mean vs run
χ² / ndf 58.78 / 51
p0 154.4 ± 93.53
pull
Entries 52
Mean 16.5
Std Dev 44.38


pull1D
Entries 52
Mean −0.02447
Std Dev 1.063


eigen_dit_asym_sam8_rms vs run
χ^2 / ndf 4.134e+04 / 51
p0 67.93 ± 0.06614
140
130
120
110
100
90
80
70
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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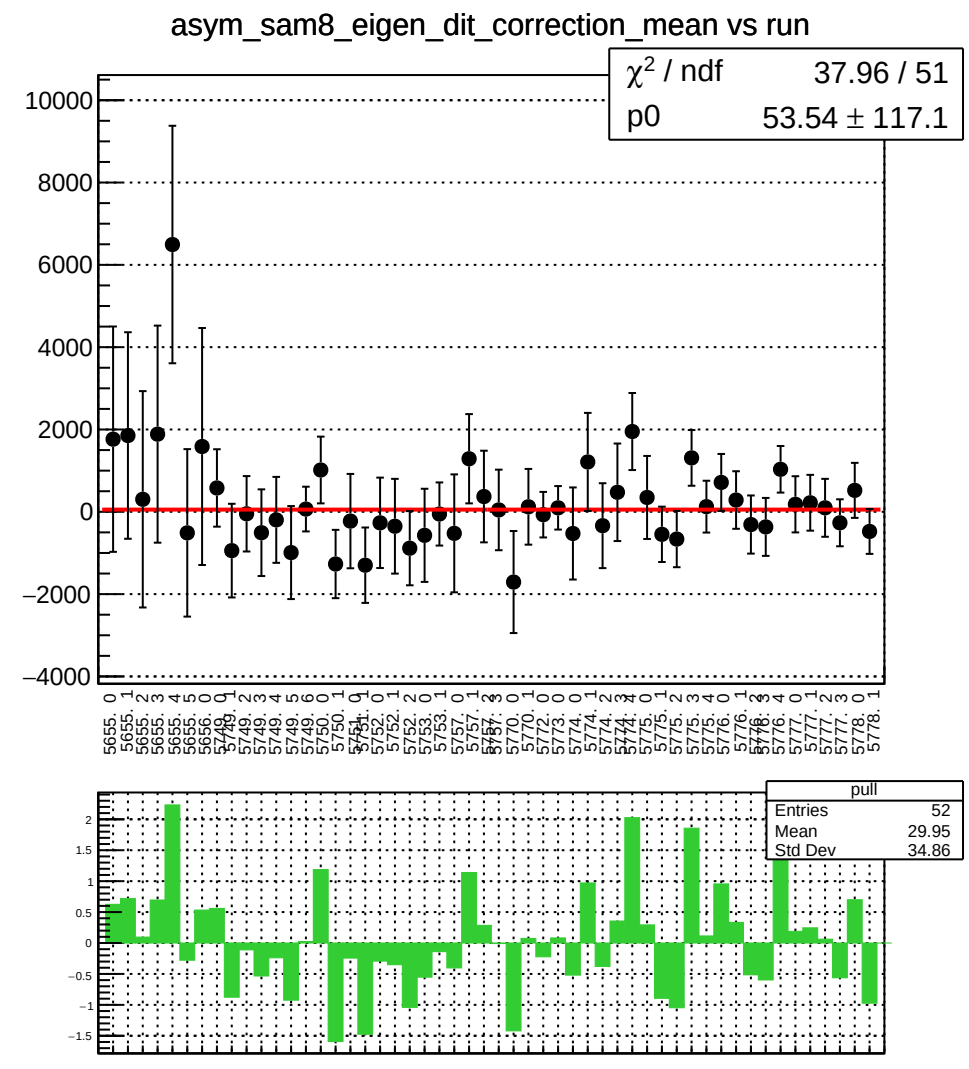
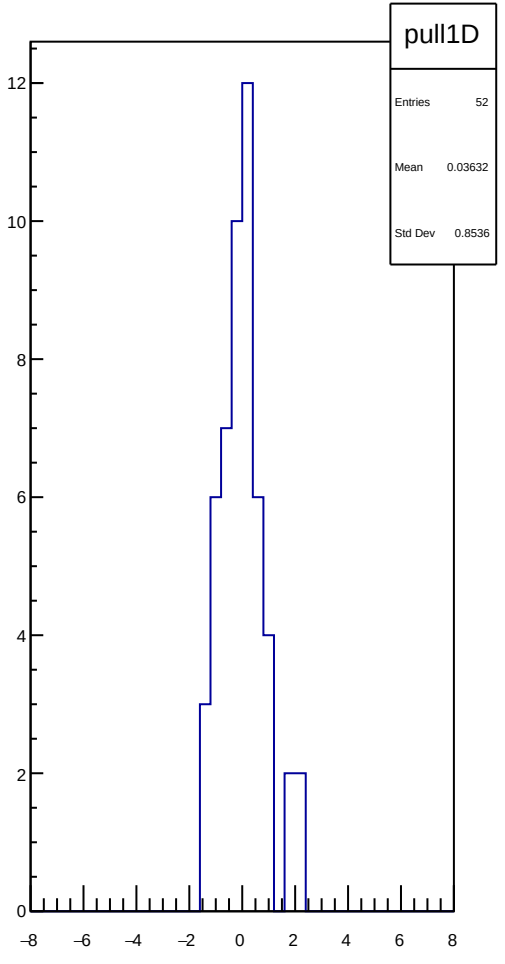
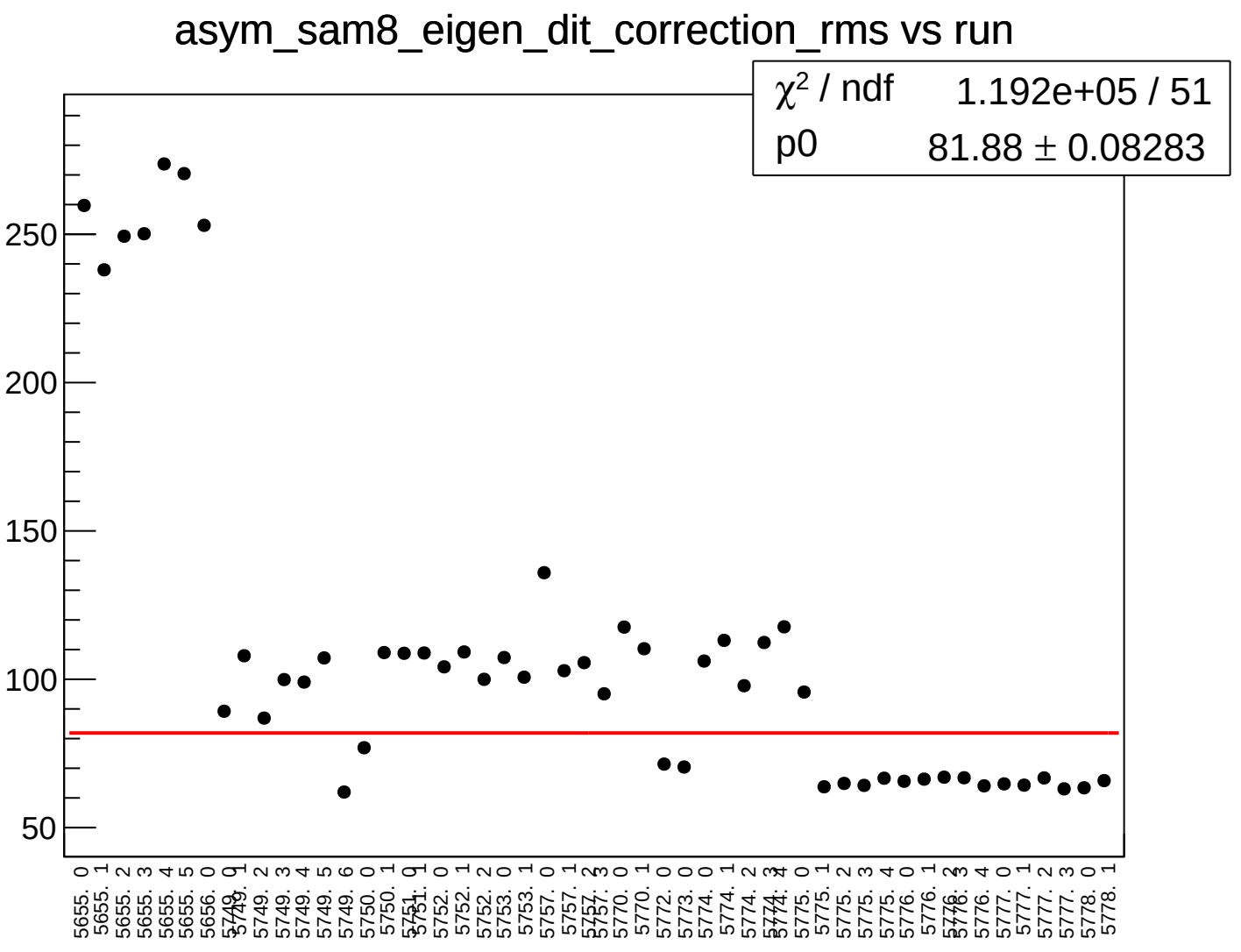
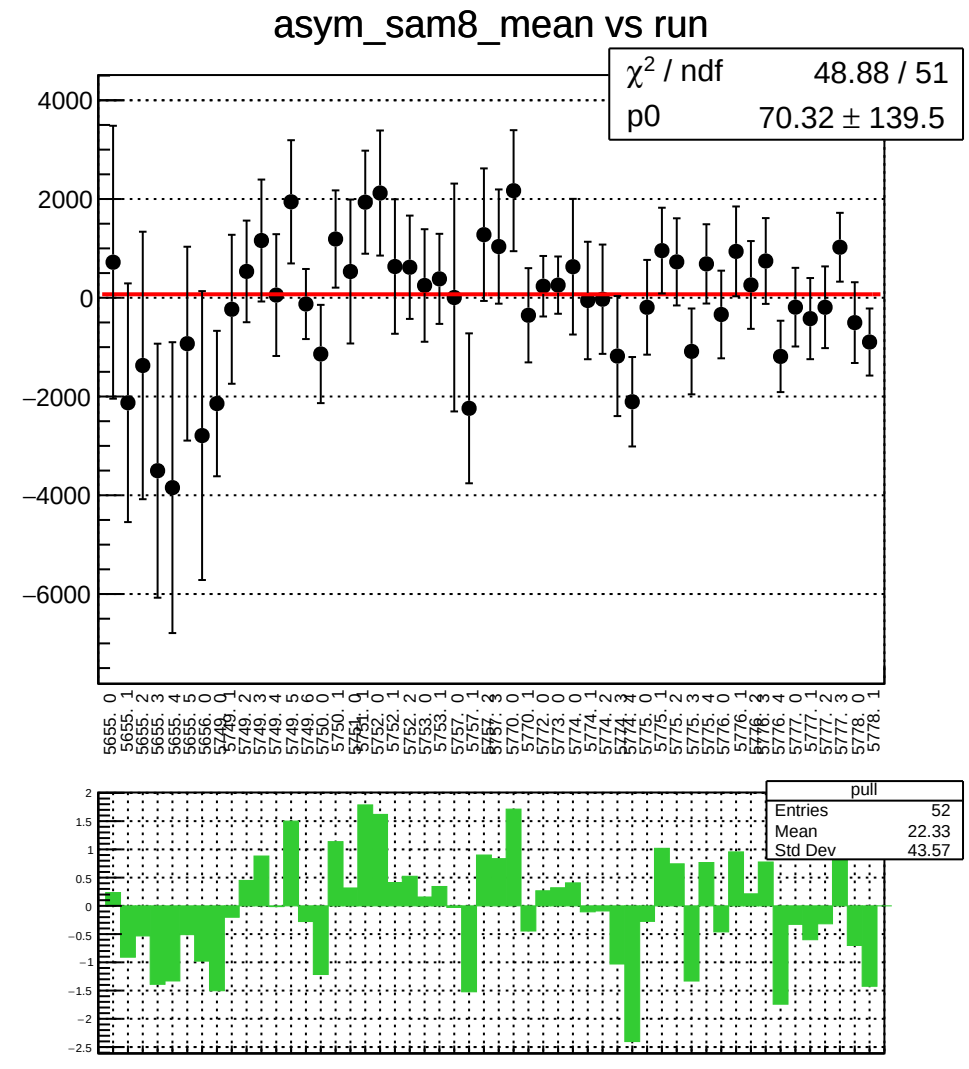
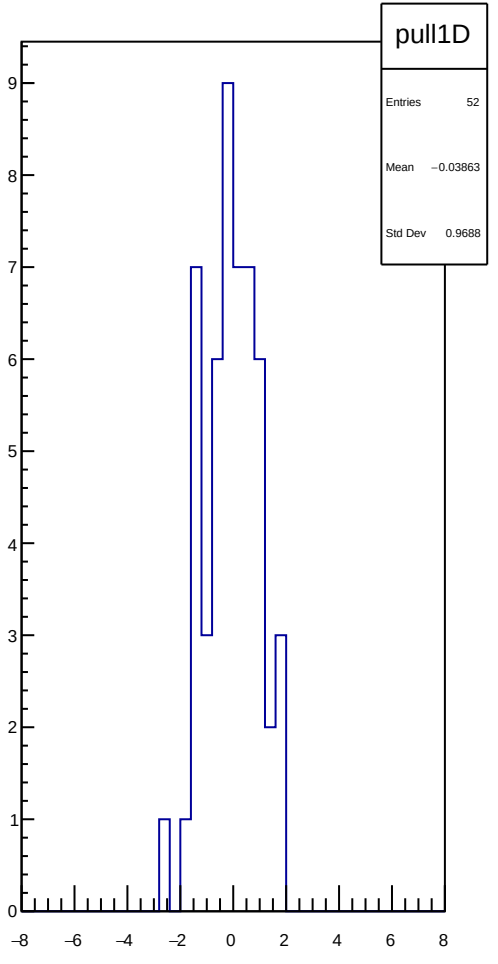
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

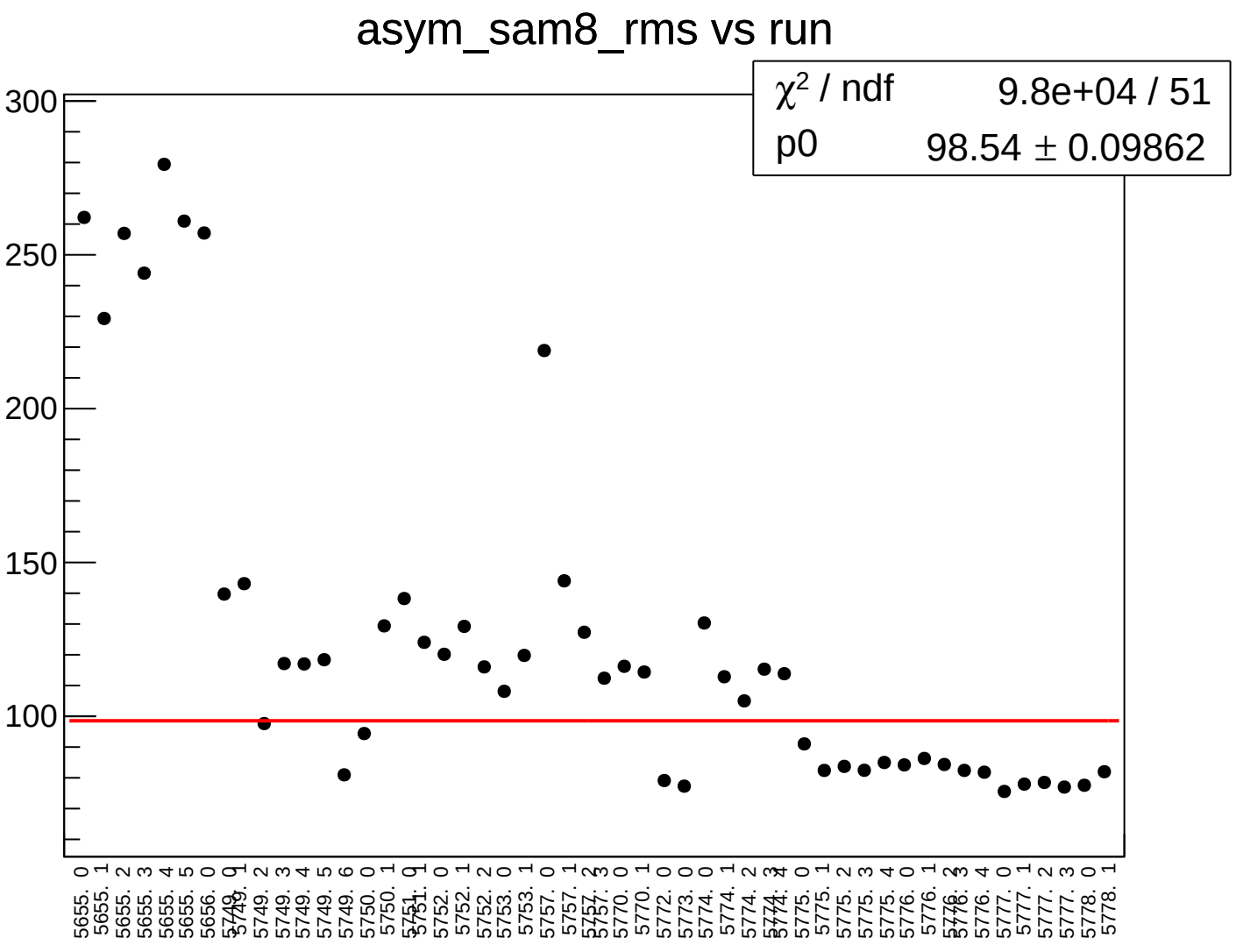

asym_sam8_eigen_dit_correction_mean vs run
χ² / ndf 37.96 / 51
p0 53.54 ± 117.1
pull
Entries 52
Mean 29.95
Std Dev 34.86


pull1D
Entries 52
Mean 0.03632
Std Dev 0.8536


asym_sam8_eigen_dit_correction_rms vs run
χ² / ndf 1.192e+05 / 51
p0 81.88 ± 0.08283
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam8_mean vs run
χ² / ndf 48.88 / 51
p0 70.32 ± 139.5
4000
2000
0
−2000
−4000
−6000
pull
Entries 52
Mean 22.33
Std Dev 43.57
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 52
Mean −0.03863
Std Dev 0.9688
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam8_rms vs run
χ² / ndf 9.8e+04 / 51
p0 98.54 ± 0.09862
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
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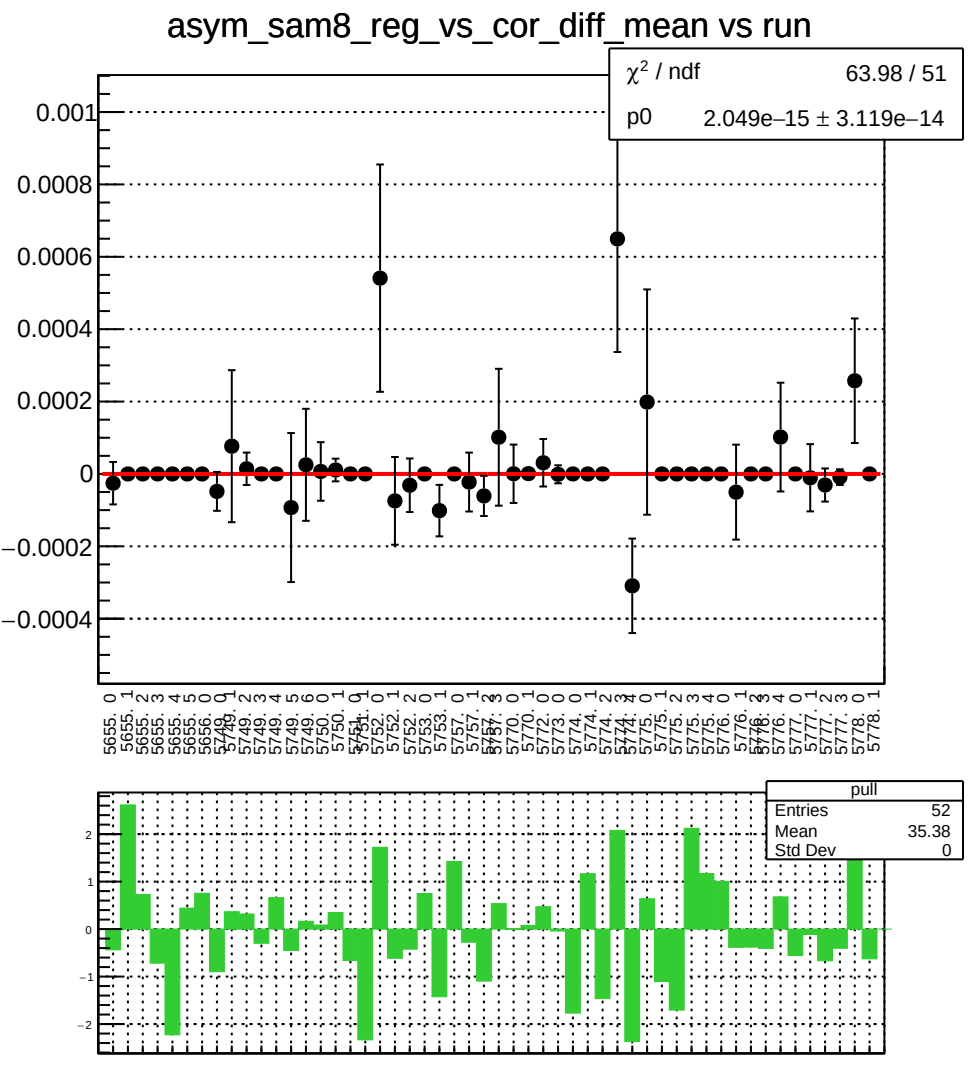
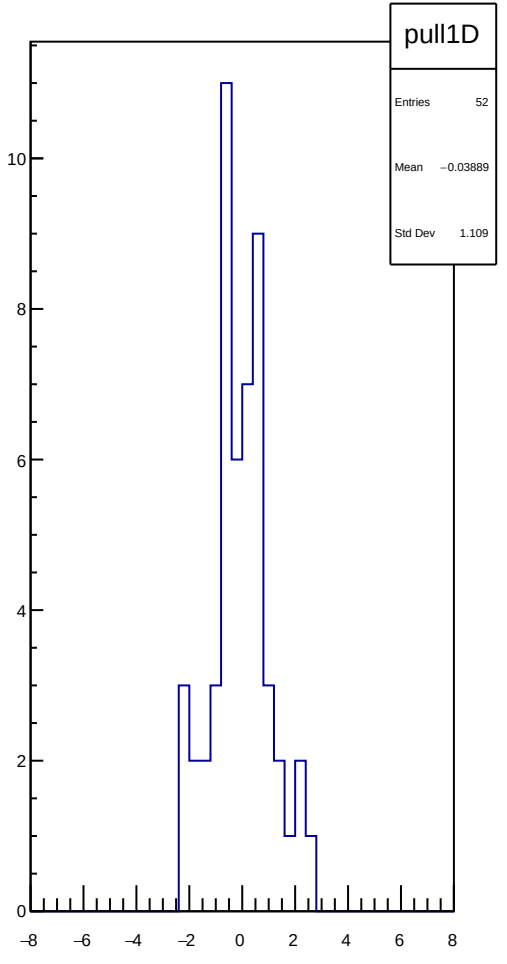
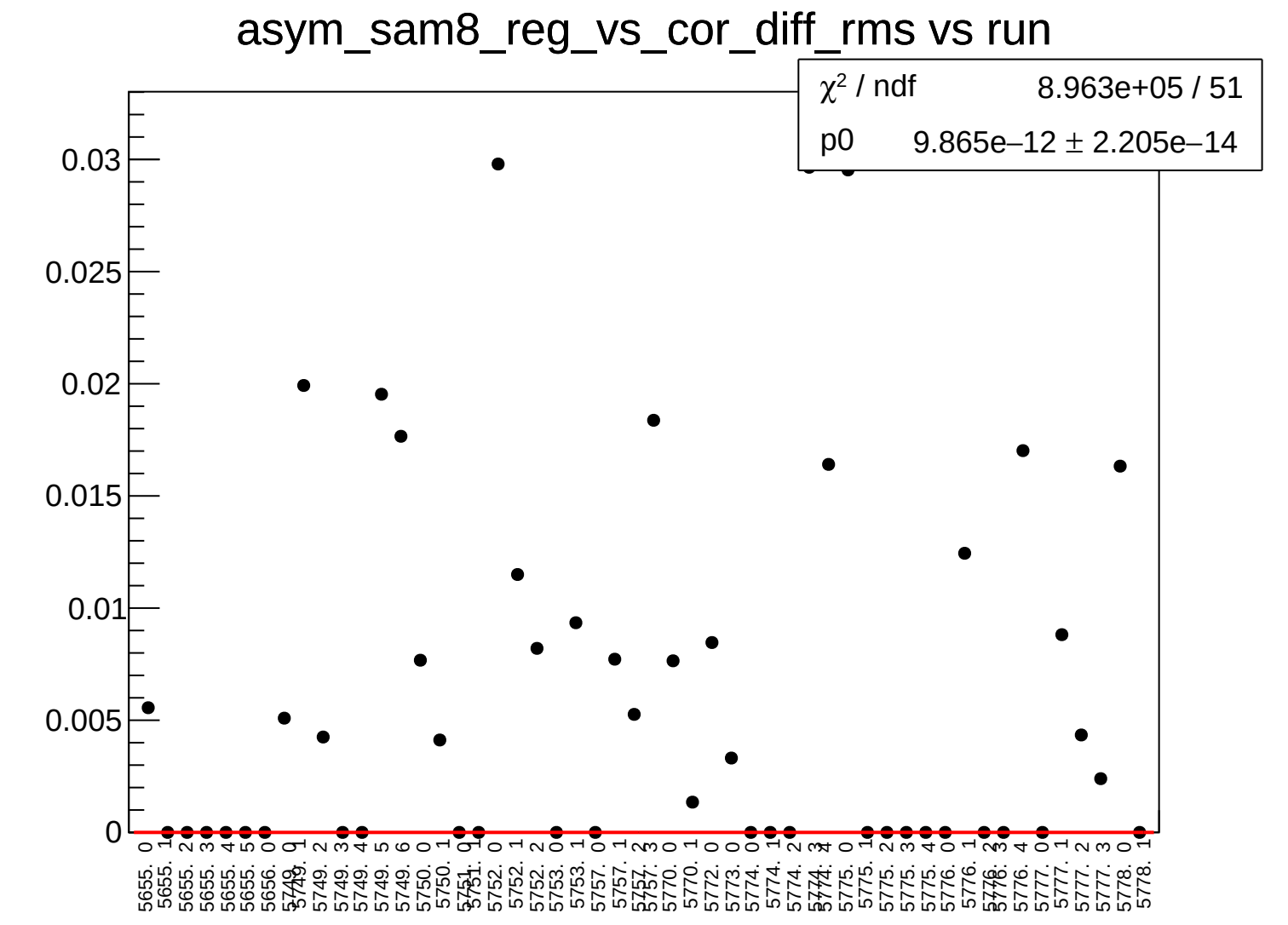
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam8_reg_vs_cor_diff_mean vs run
χ² / ndf 63.98 / 51
p0 2.049e−15 ± 3.119e−14
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
pull
Entries 52
Mean 35.38
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.03889
Std Dev 1.109
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam8_reg_vs_cor_diff_rms vs run
χ² / ndf 8.963e+05 / 51
p0 9.865e−12 ± 2.205e−14
0.03
0.025
0.02
0.015
0.01
0.005
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
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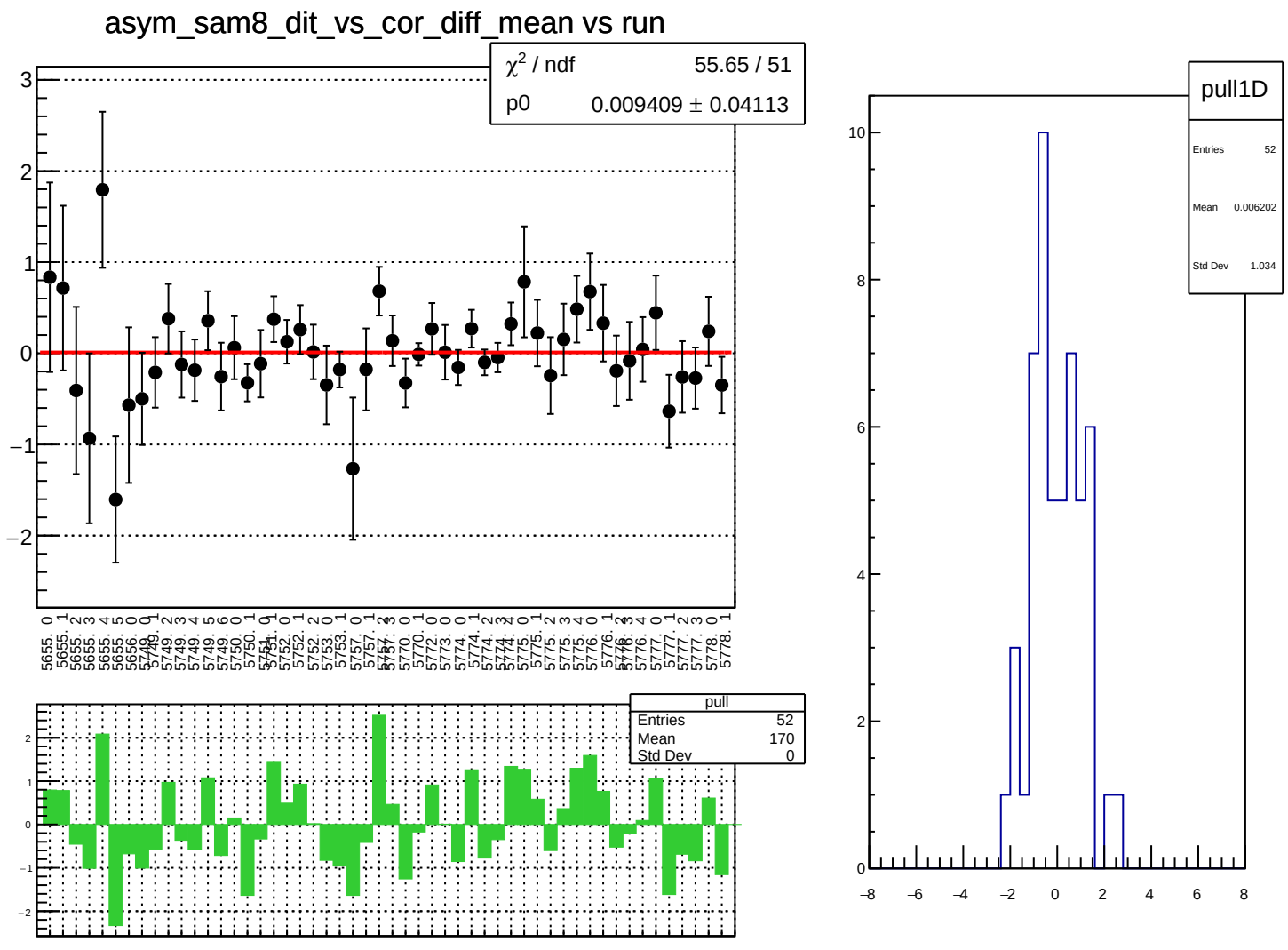
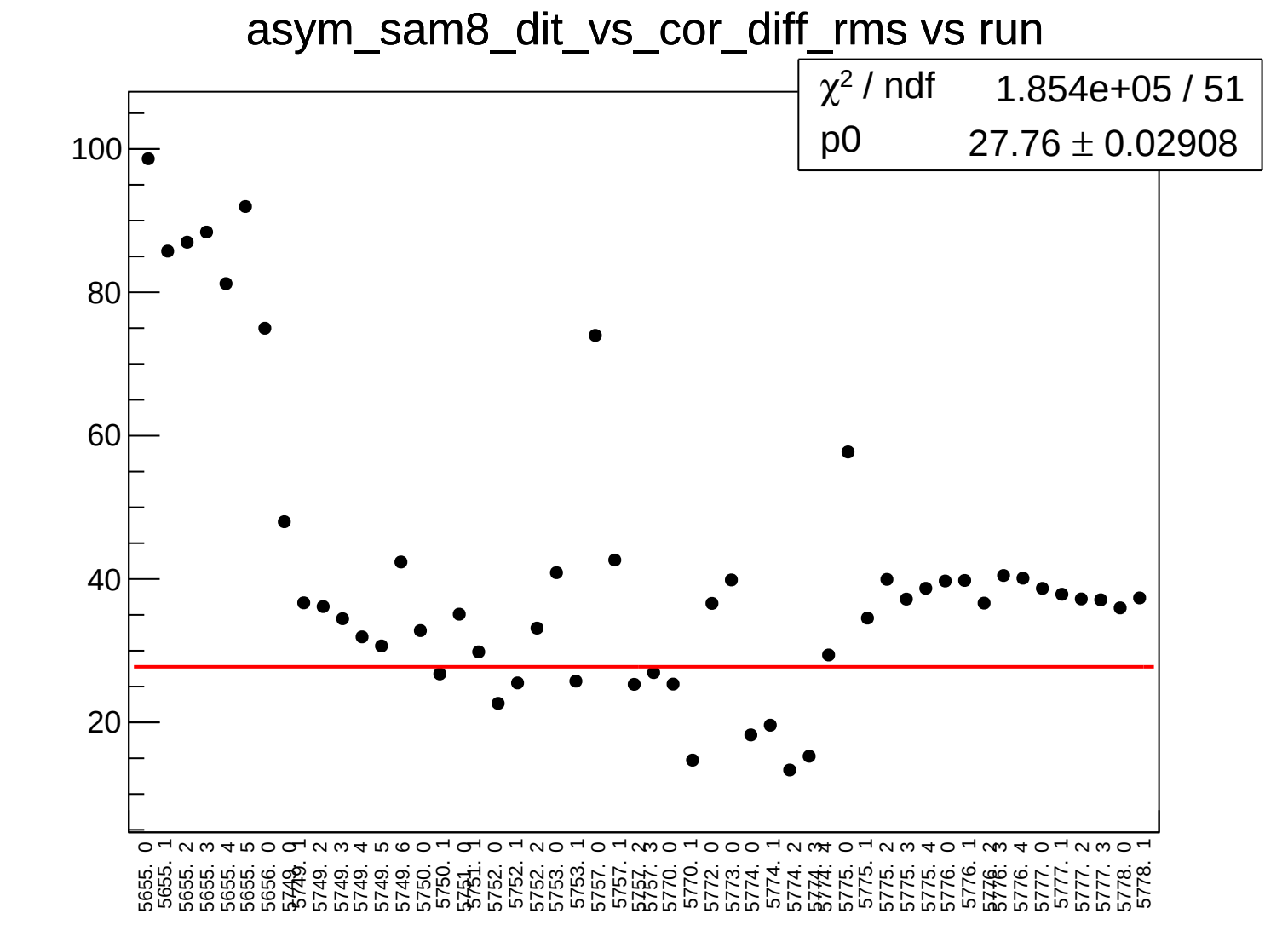
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam8_dit_vs_cor_diff_mean vs run
χ² / ndf 55.65 / 51
p0 0.009409 ± 0.04113
pull
Entries 52
Mean 170
Std Dev 0
pull1D
Entries 52
Mean 0.006202
Std Dev 1.034


asym_sam8_dit_vs_cor_diff_rms vs run
χ² / ndf 1.854e+05 / 51
p0 27.76 ± 0.02908
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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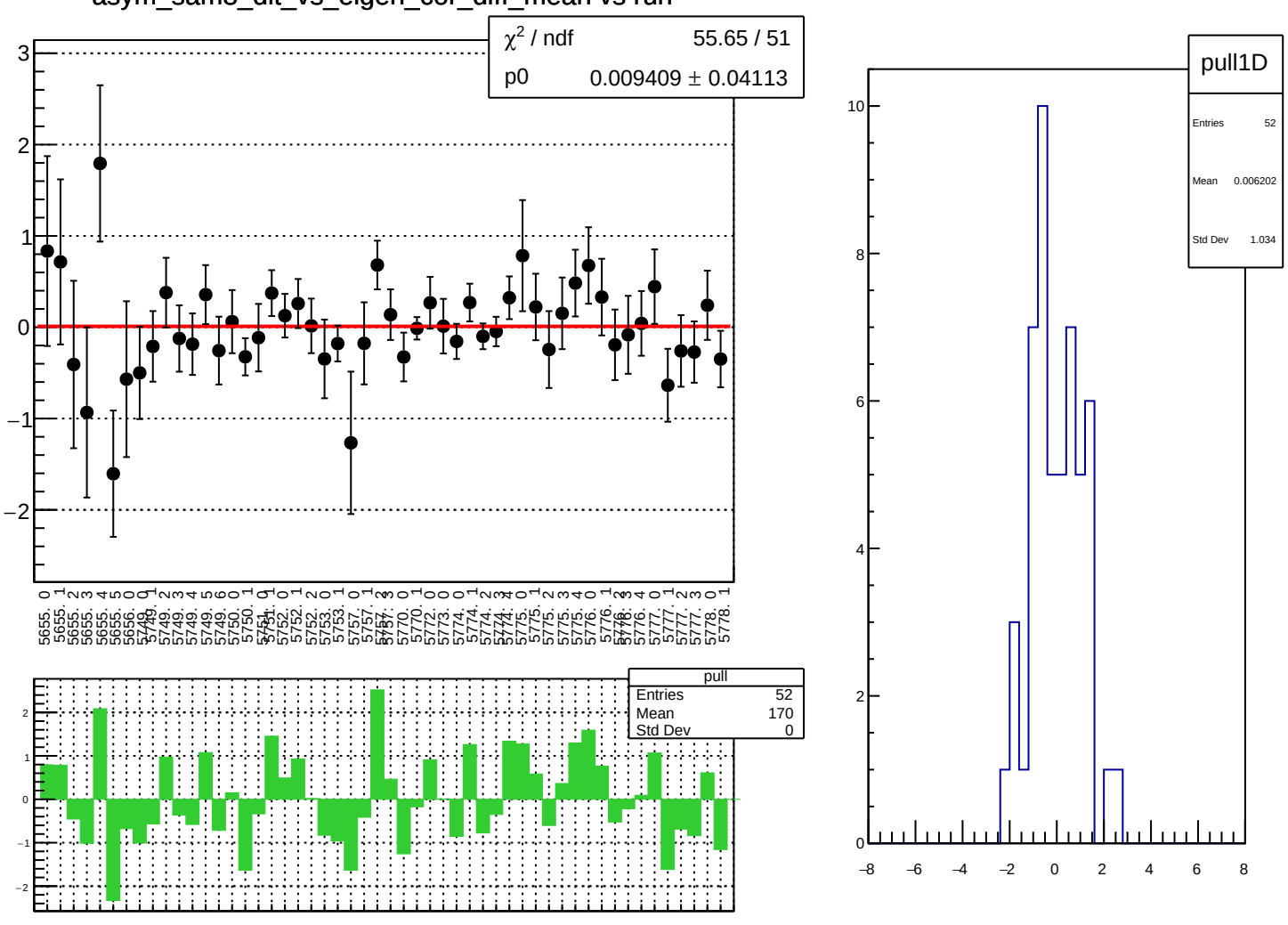
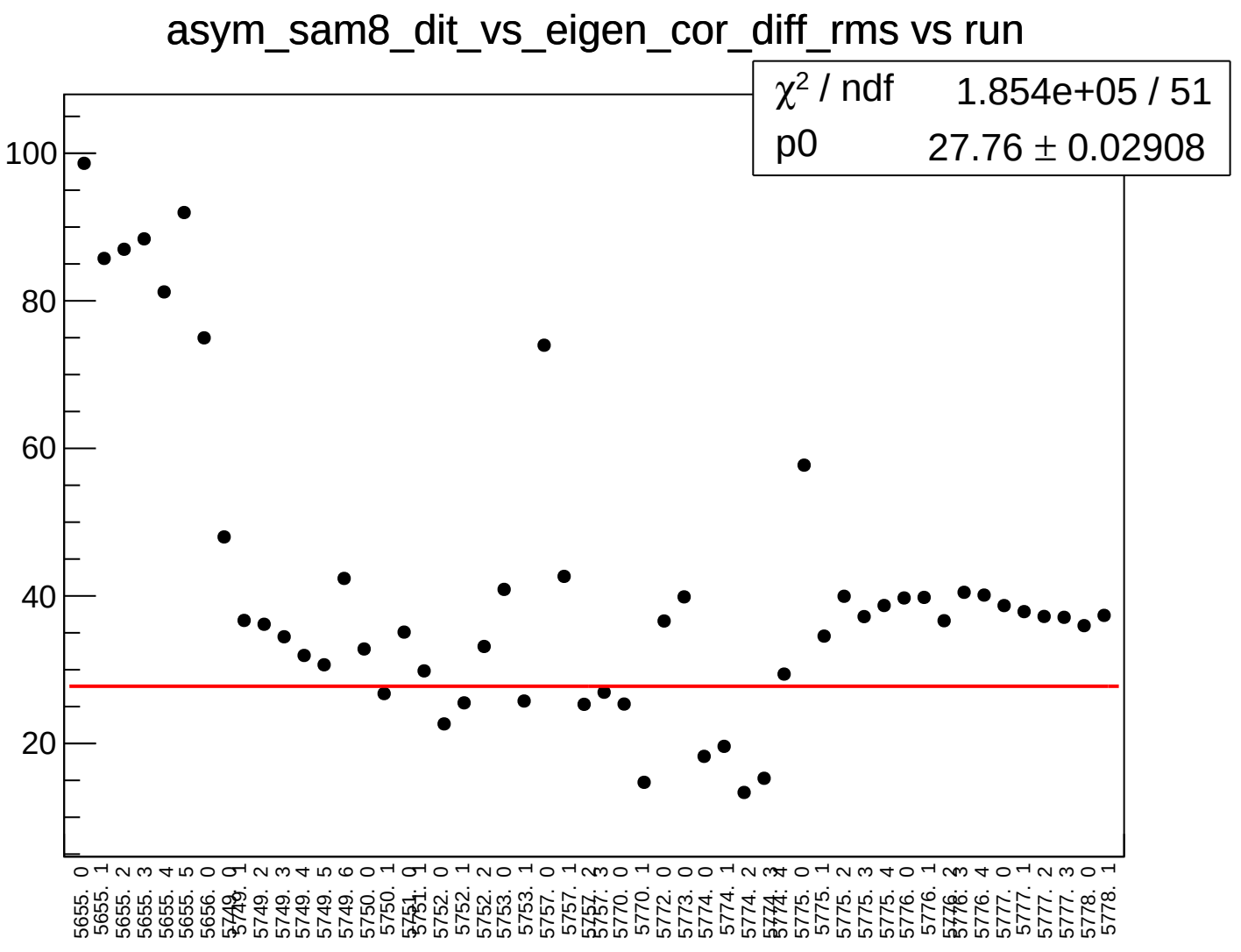
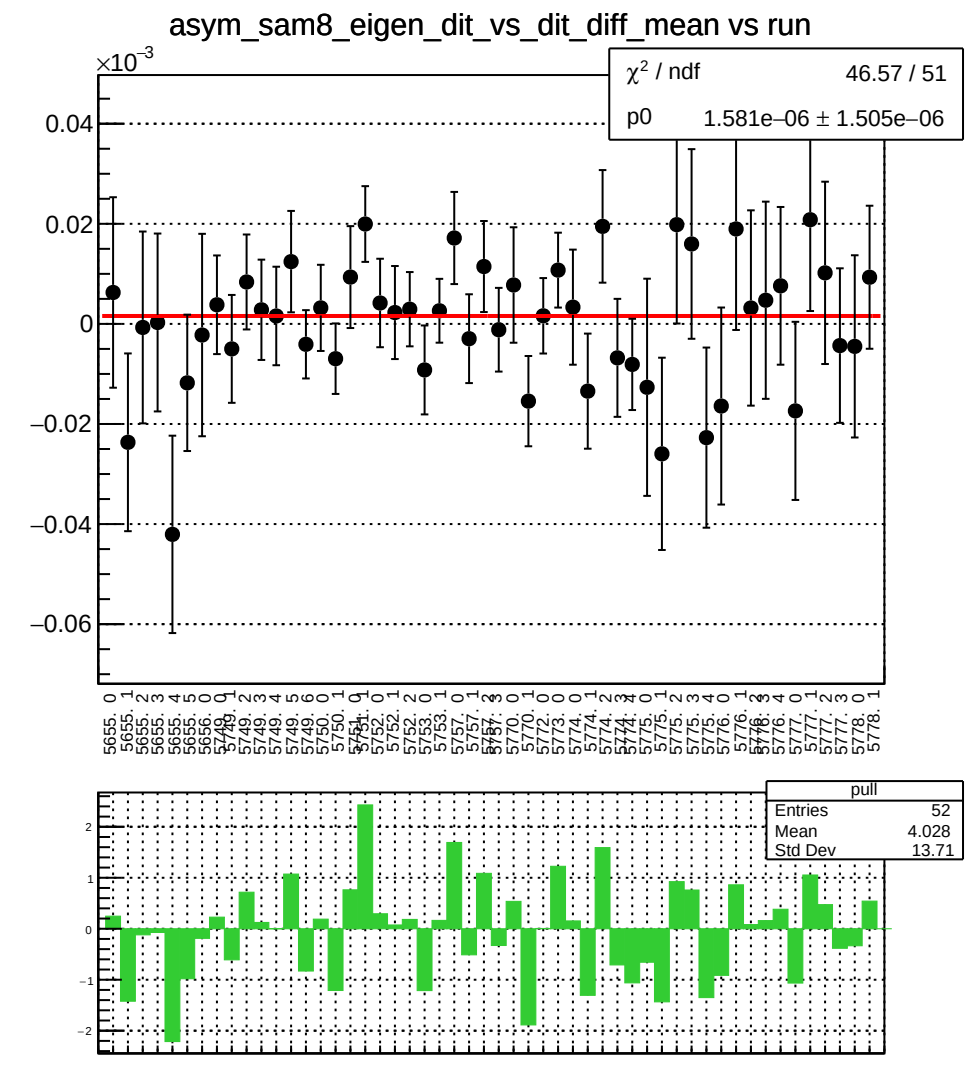
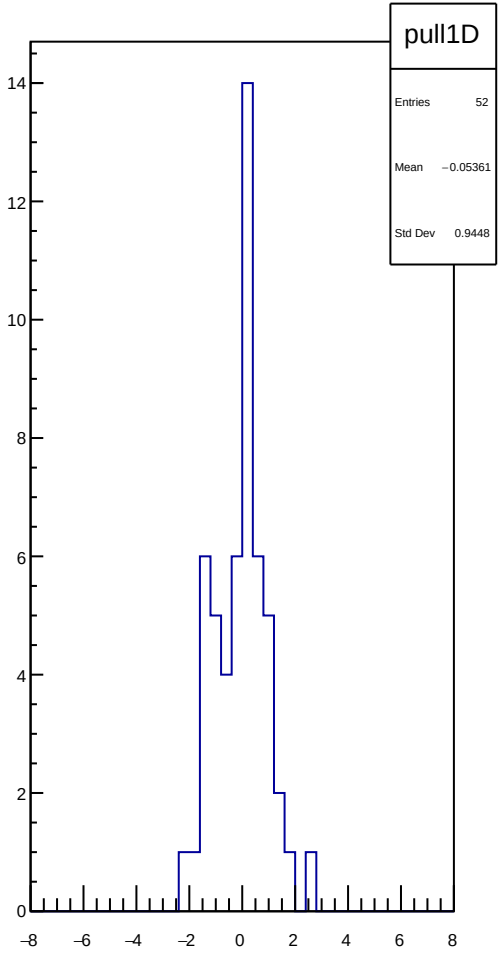
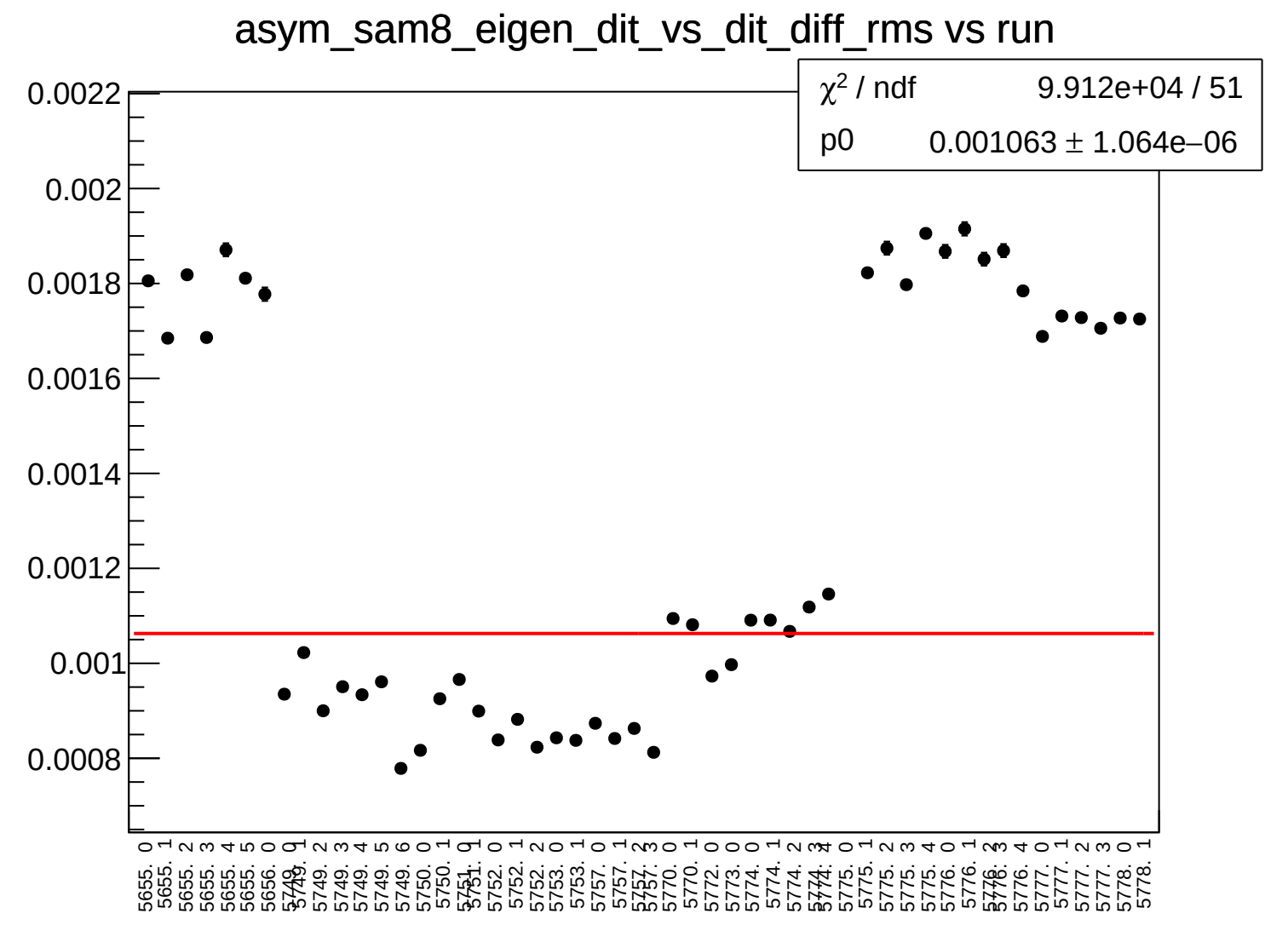
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

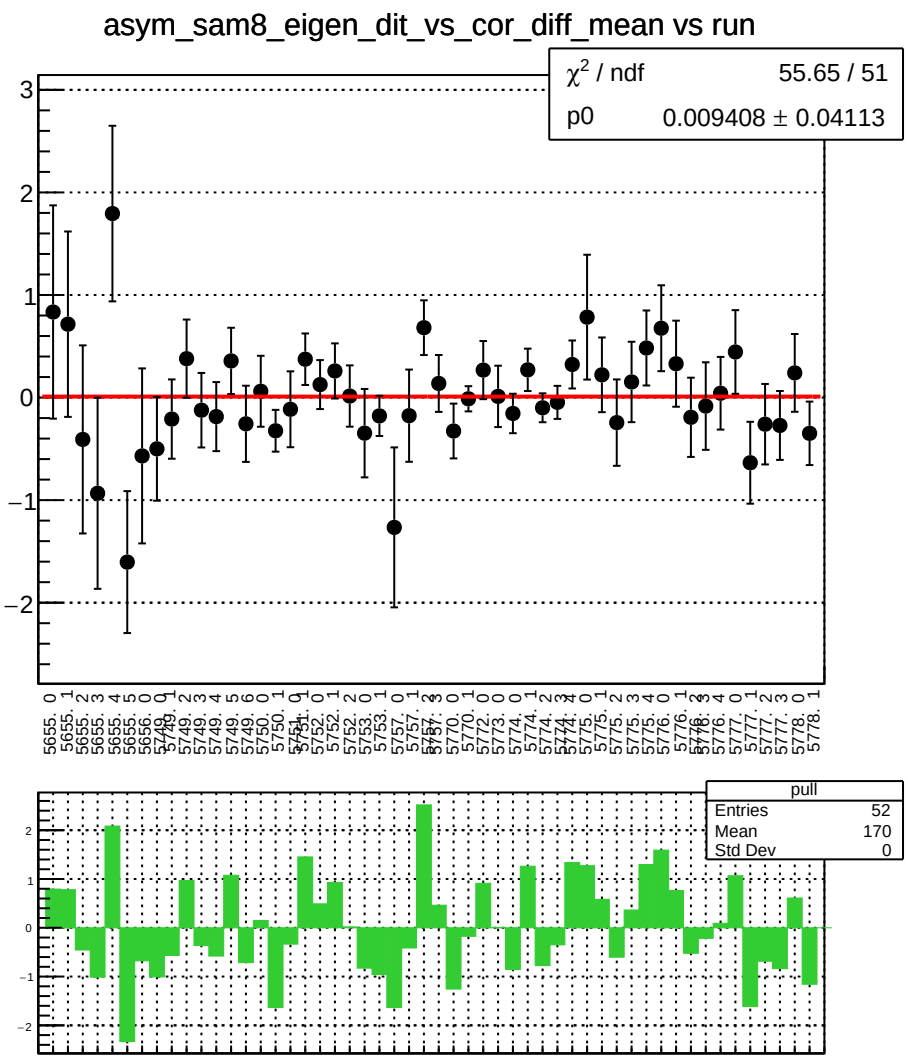

asym_sam8_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.65 / 51
p0 0.009409 ± 0.04113
pull
Entries 52
Mean 170
Std Dev 0
pull1D
Entries 52
Mean 0.006202
Std Dev 1.034

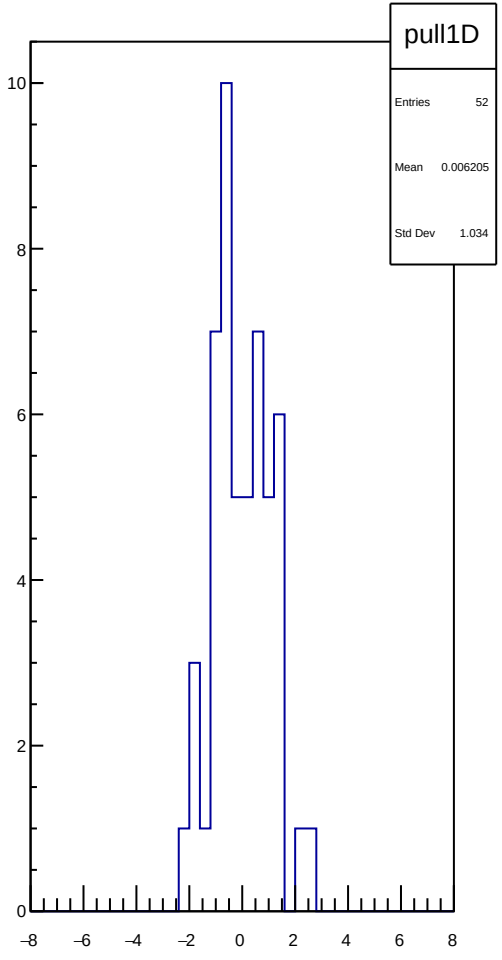

asym_sam8_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.854e+05 / 51
p0 27.76 ± 0.02908
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

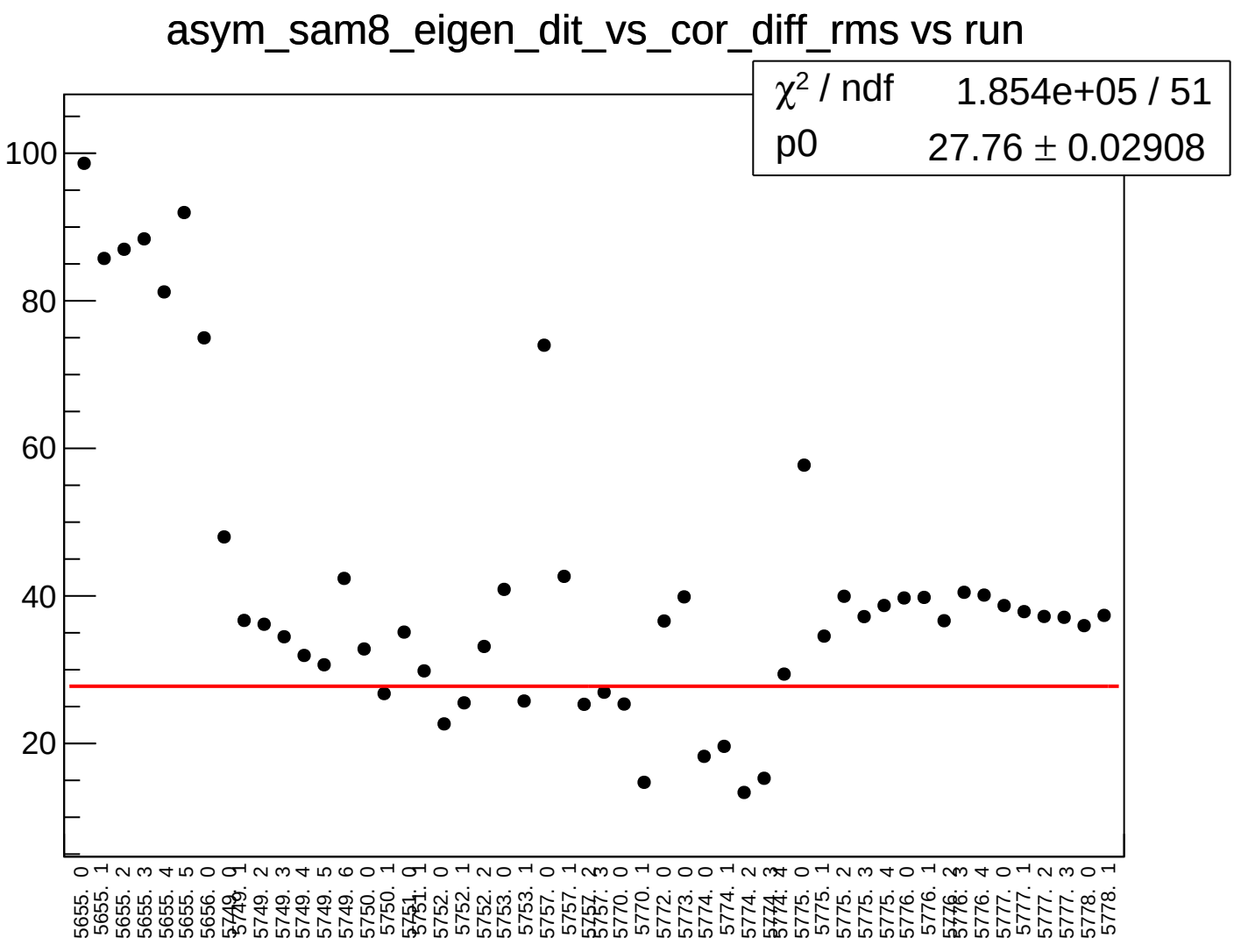

asym_sam8_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 46.57 / 51
p0 1.581e−06 ± 1.505e−06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 52
Mean 4.028
Std Dev 13.71
2
1
0
−1
−2

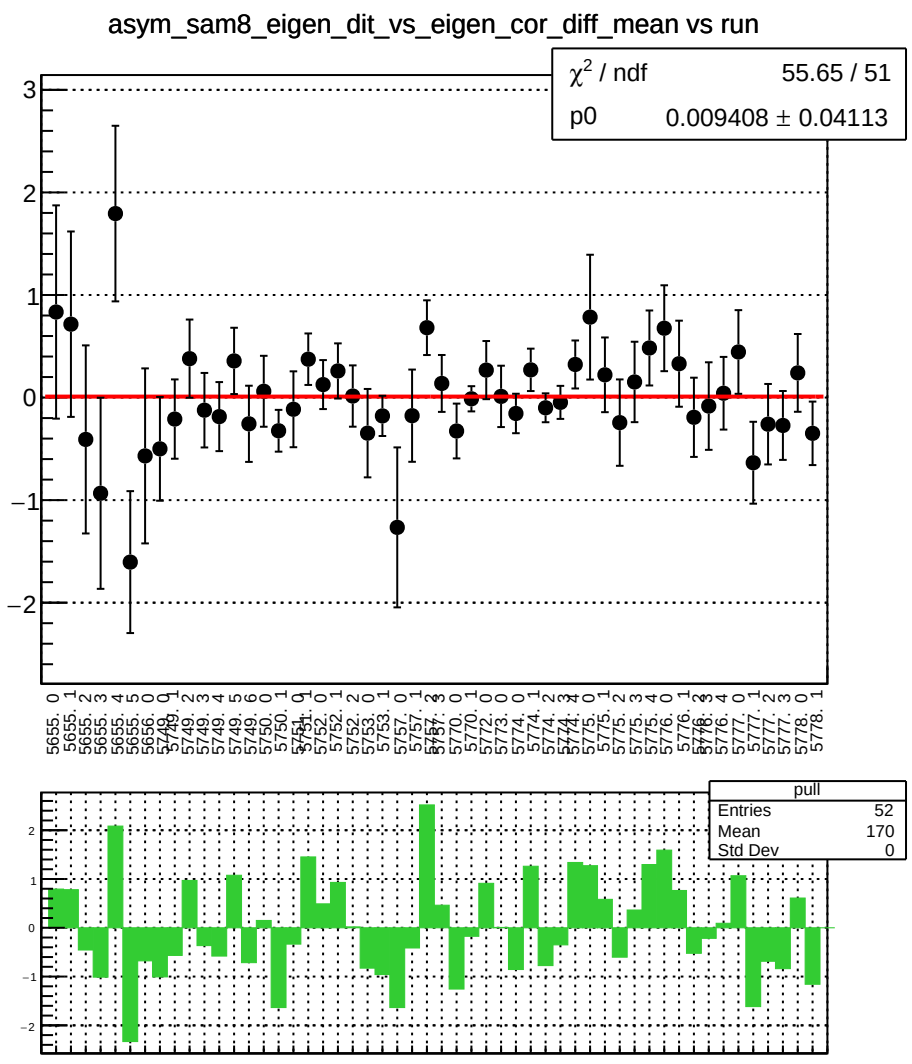

pull1D
Entries 52
Mean −0.05361
Std Dev 0.9448
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

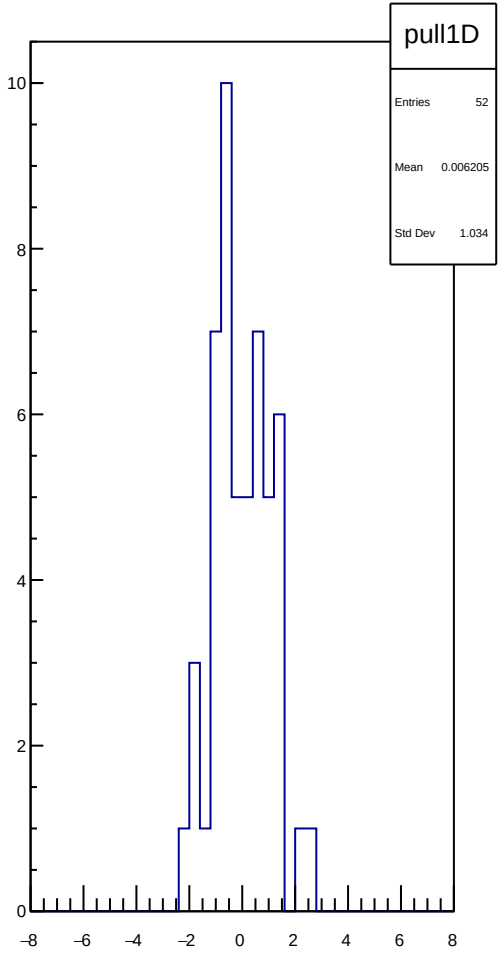

asym_sam8_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9.912e+04 / 51
p0 0.001063 ± 1.064e−06
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

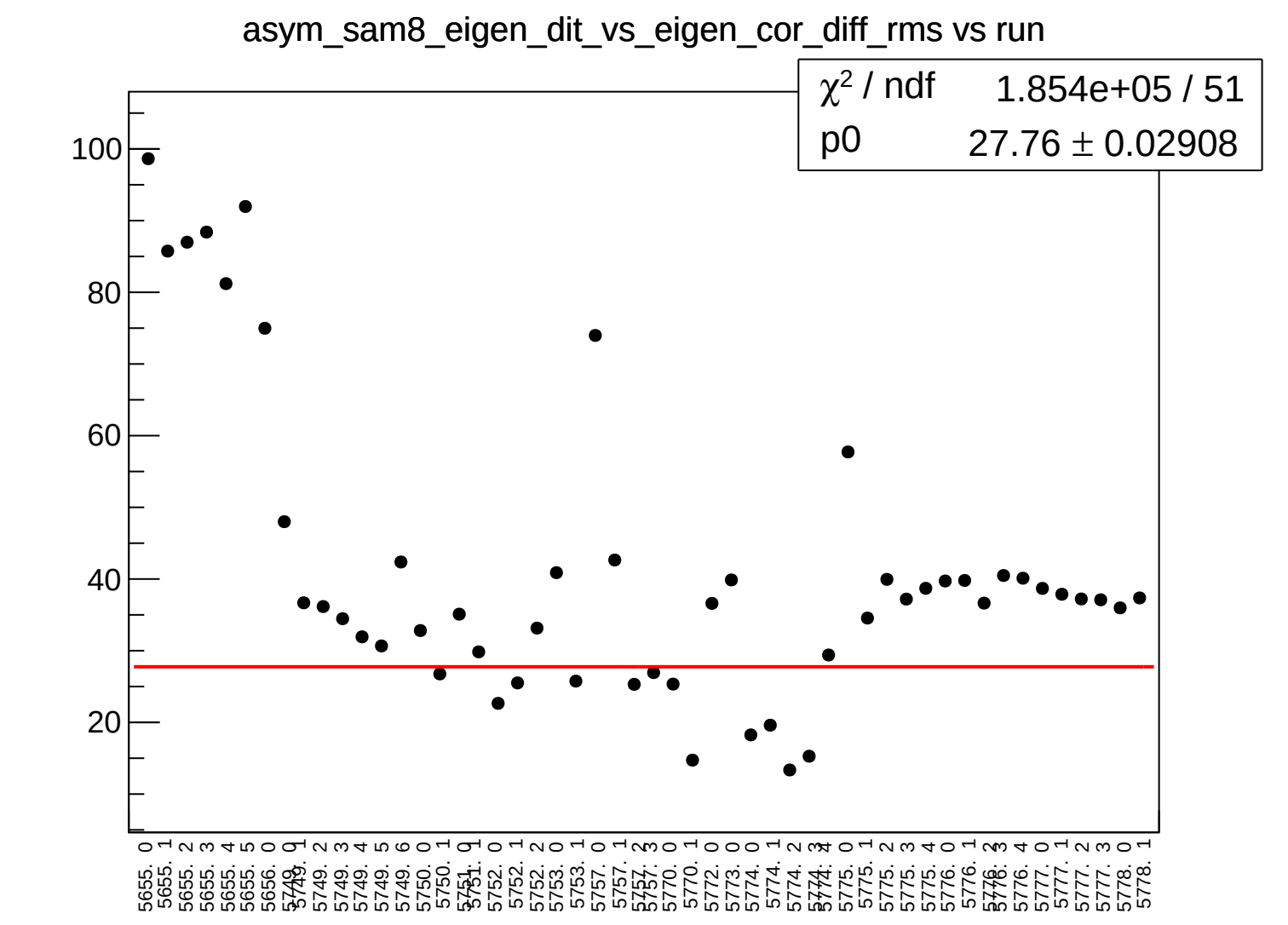

asym_sam8_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.65 / 51
p0 0.009408 ± 0.04113
pull
Entries 52
Mean 170
Std Dev 0

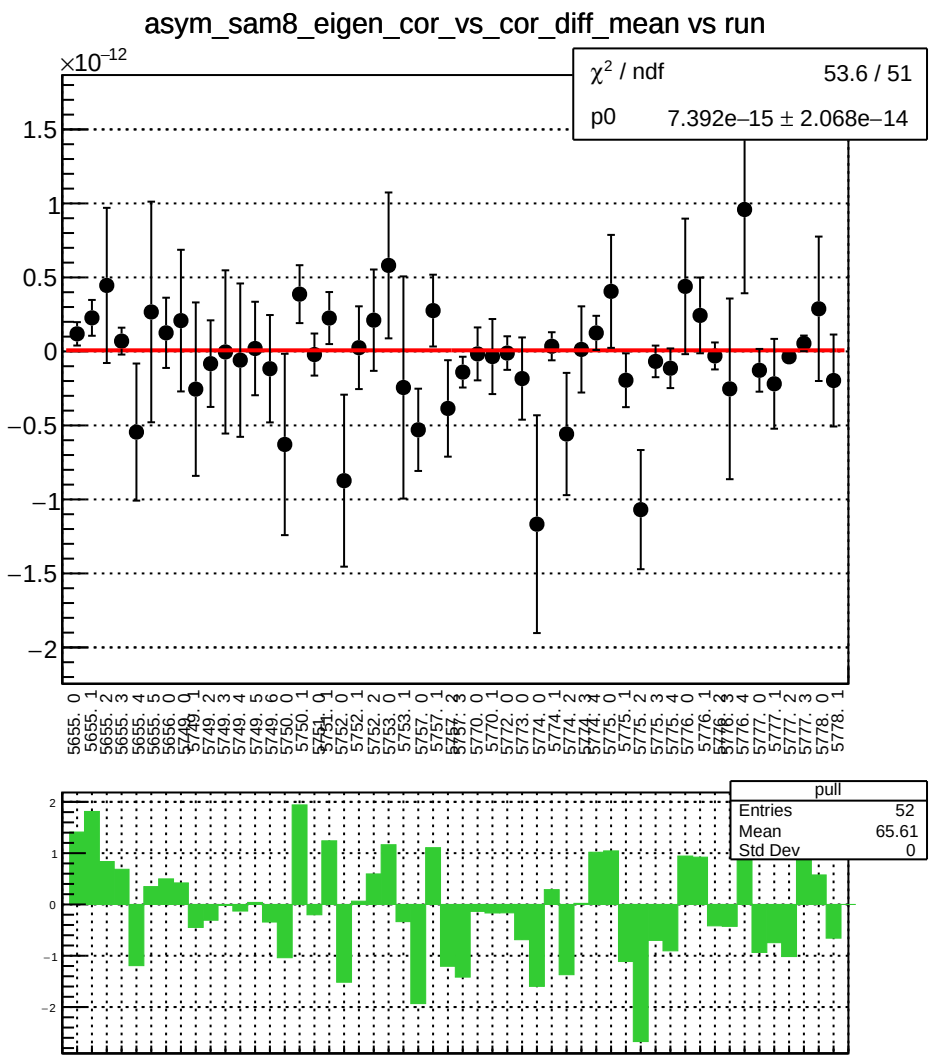

pull1D
Entries 52
Mean 0.006205
Std Dev 1.034

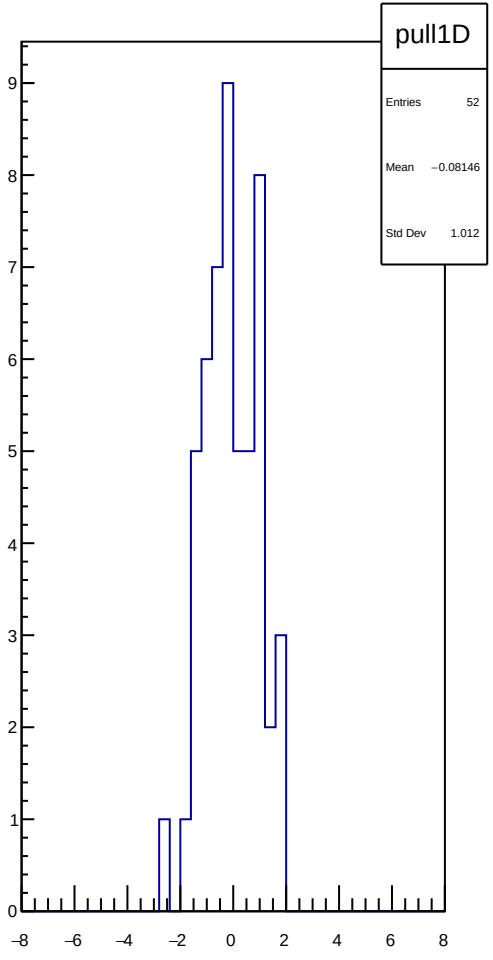

asym_sam8_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.854e+05 / 51
p0 27.76 ± 0.02908
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

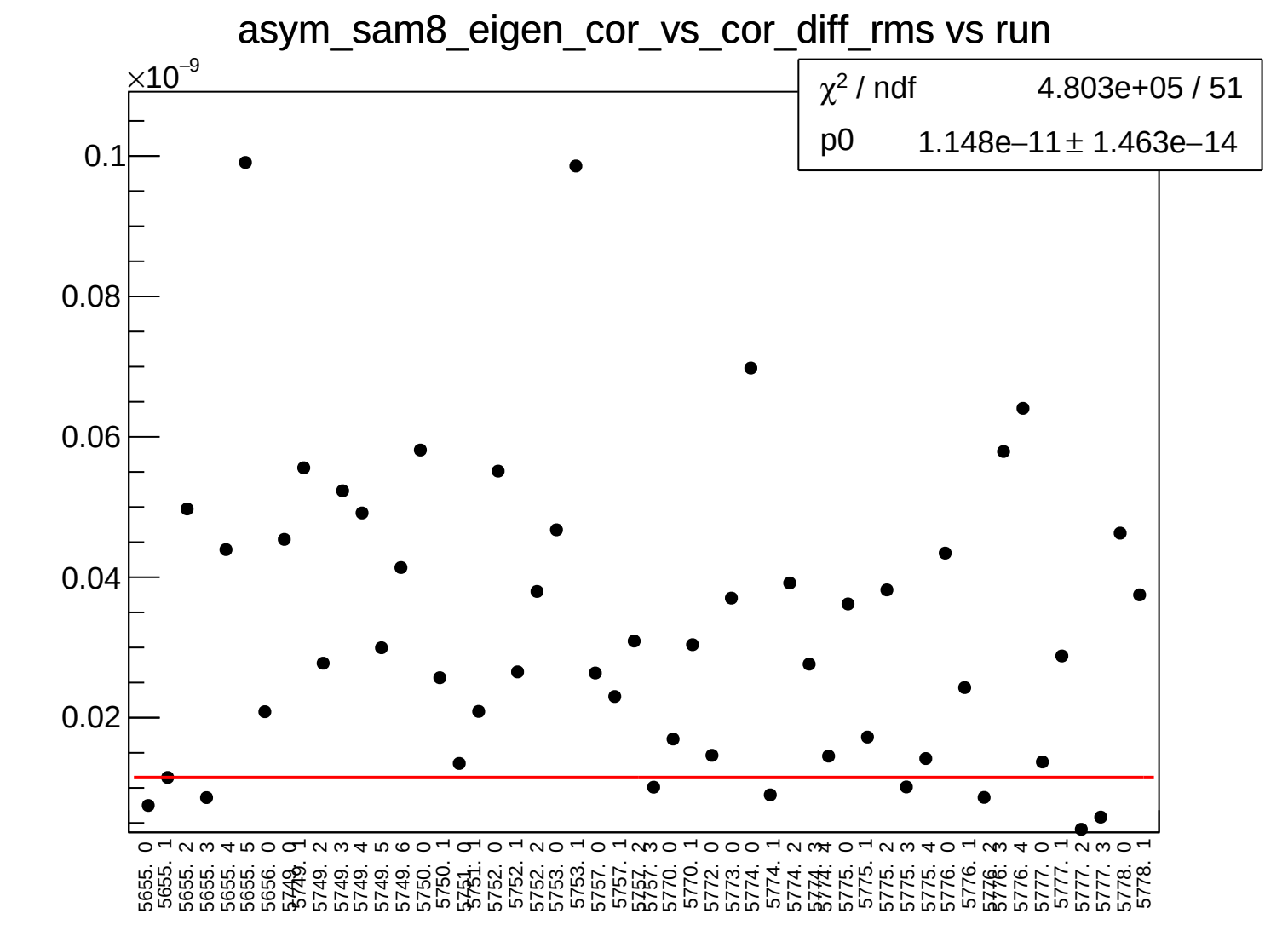

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.65 / 51
p0 0.009408 ± 0.04113
pull
Entries 52
Mean 170
Std Dev 0

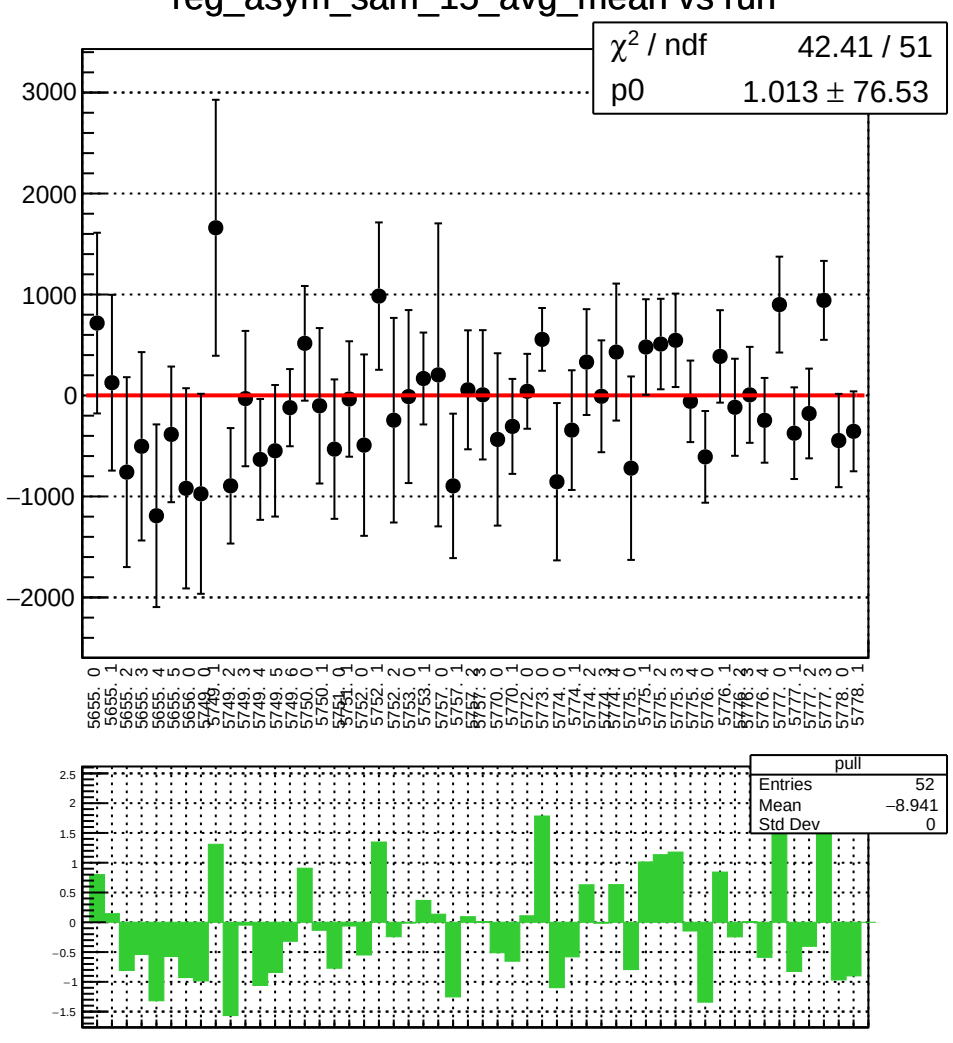

pull1D
Entries 52
Mean 0.006205
Std Dev 1.034

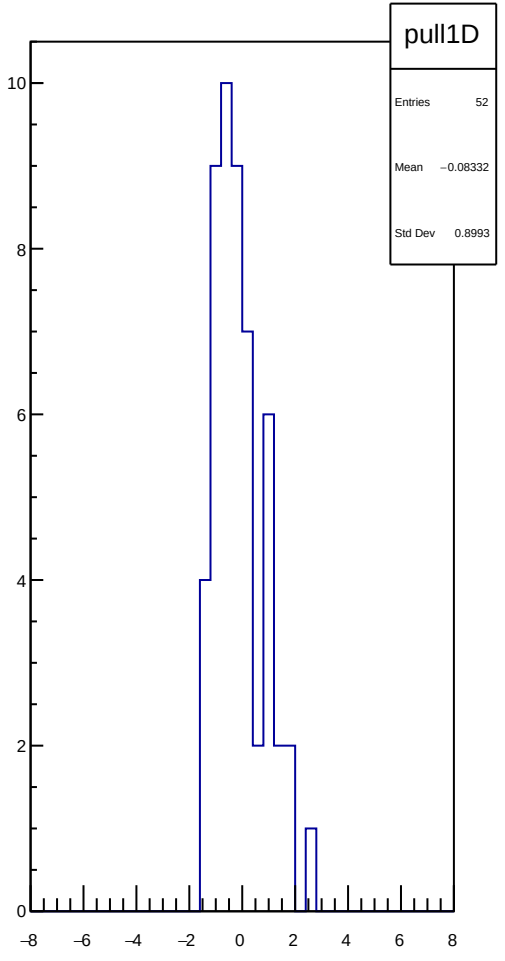

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.854e+05 / 51
p0 27.76 ± 0.02908
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

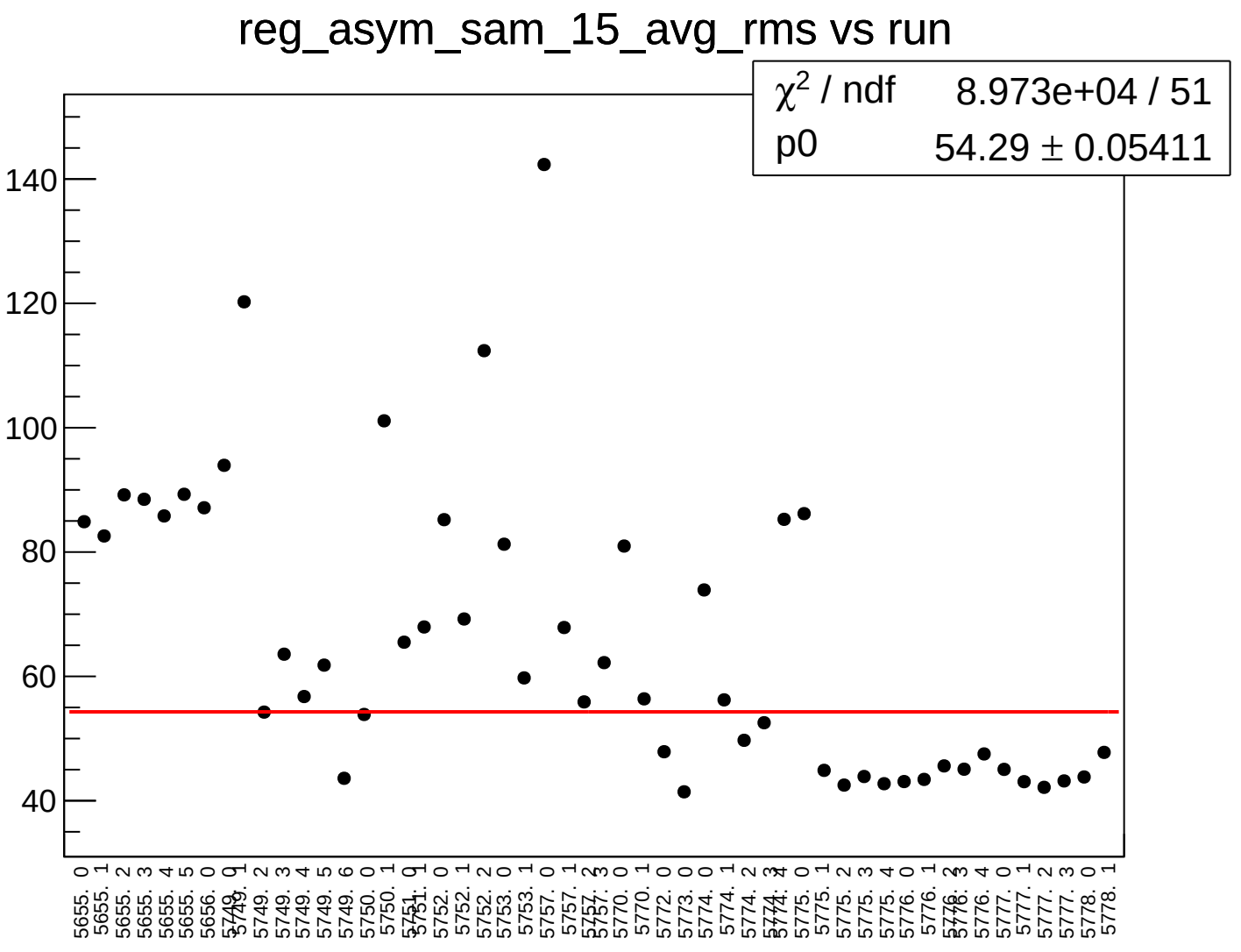

asym_sam8_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.6 / 51
p0 7.392e−15 ± 2.068e−14
pull
Entries 52
Mean 65.61
Std Dev 0


pull1D
Entries 52
Mean −0.08146
Std Dev 1.012


asym_sam8_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.803e+05 / 51
p0 1.148e−11 ± 1.463e−14
0.1
0.08
0.06
0.04
0.02
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


reg_asym_sam_15_avg_mean vs run
χ² / ndf 42.41 / 51
p0 1.013 ± 76.53
pull
Entries 52
Mean −8.941
Std Dev 0


pull1D
Entries 52
Mean −0.08332
Std Dev 0.8993


reg_asym_sam_15_avg_rms vs run
χ^2 / ndf 8.973e+04 / 51
p0 54.29 ± 0.05411
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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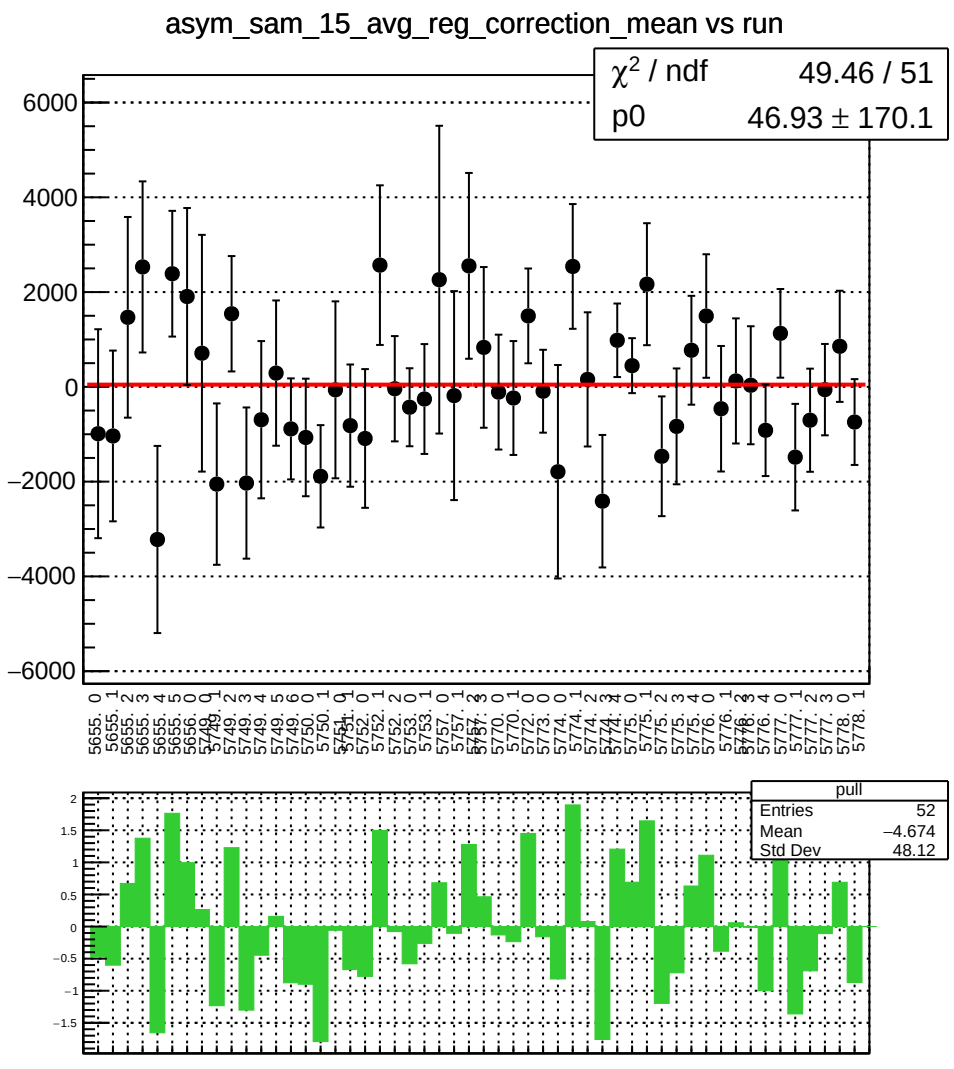
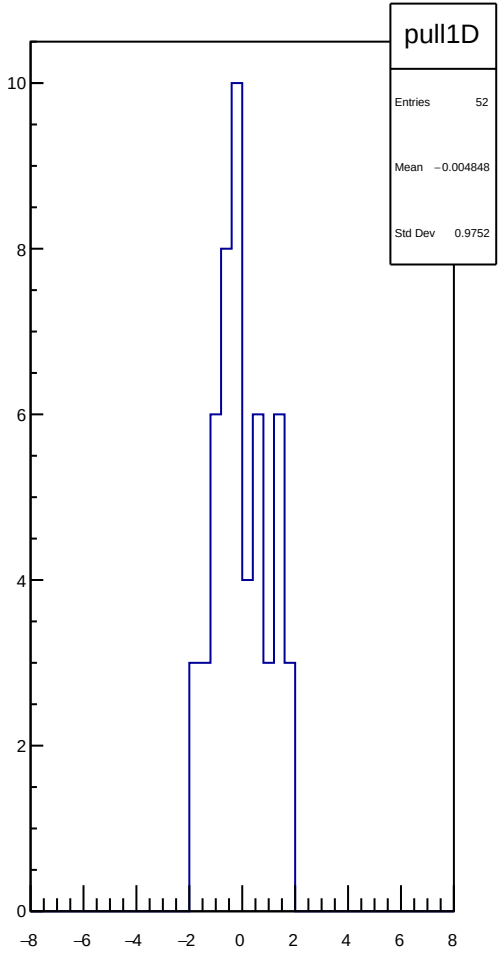
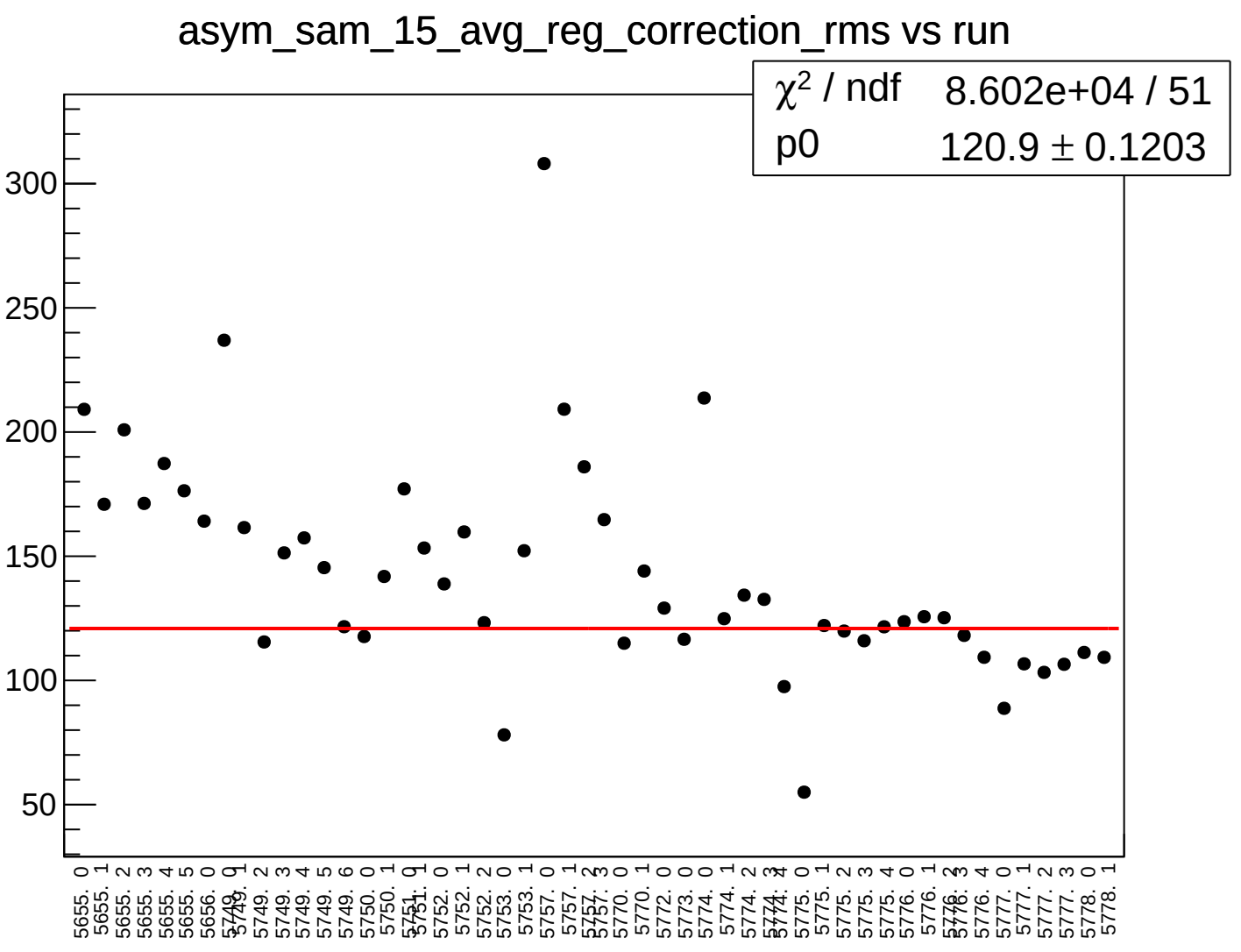
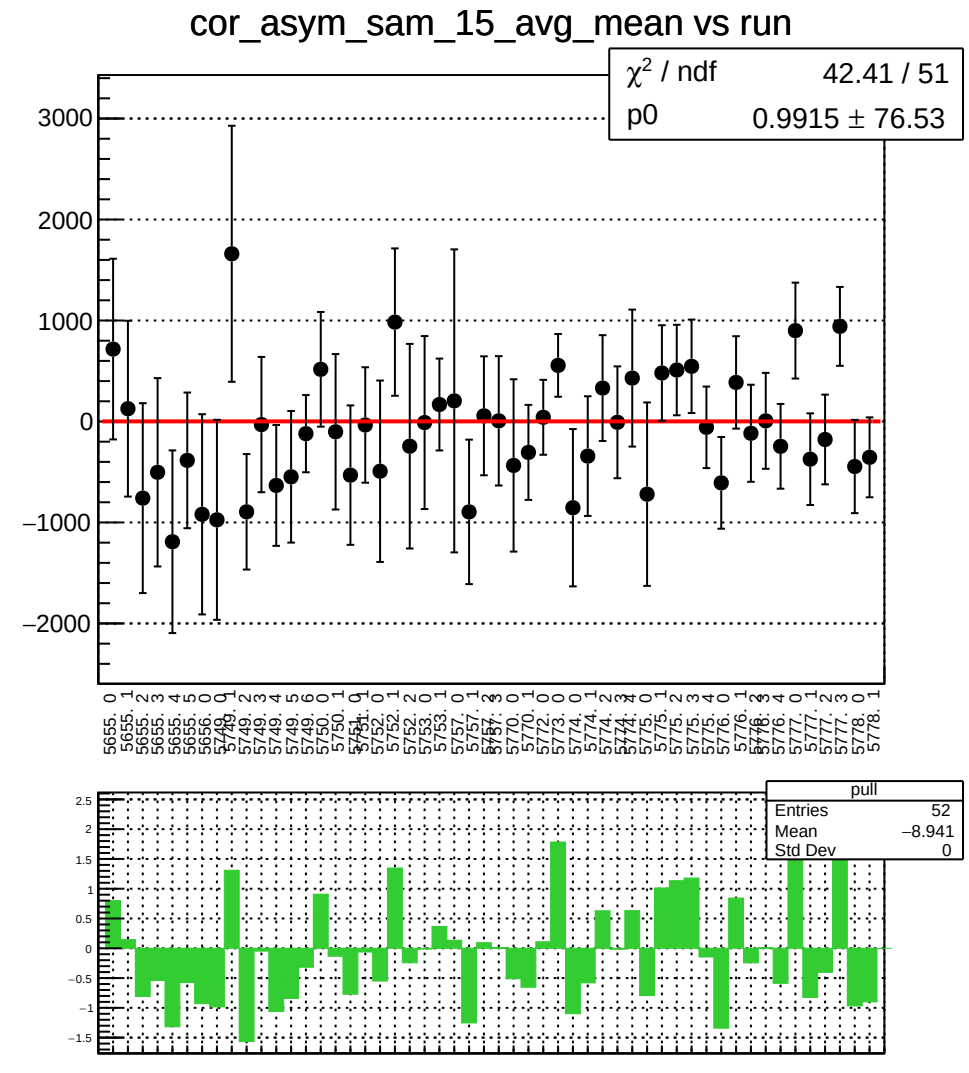
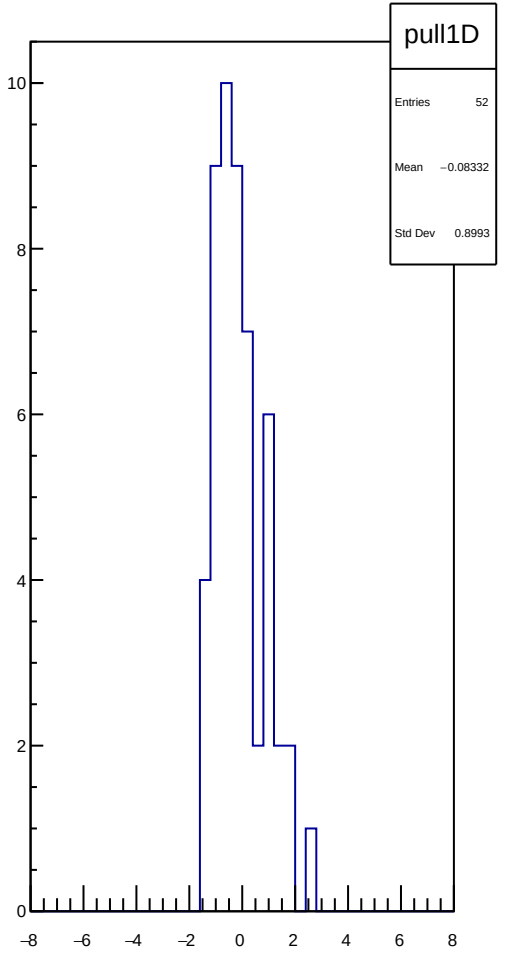
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

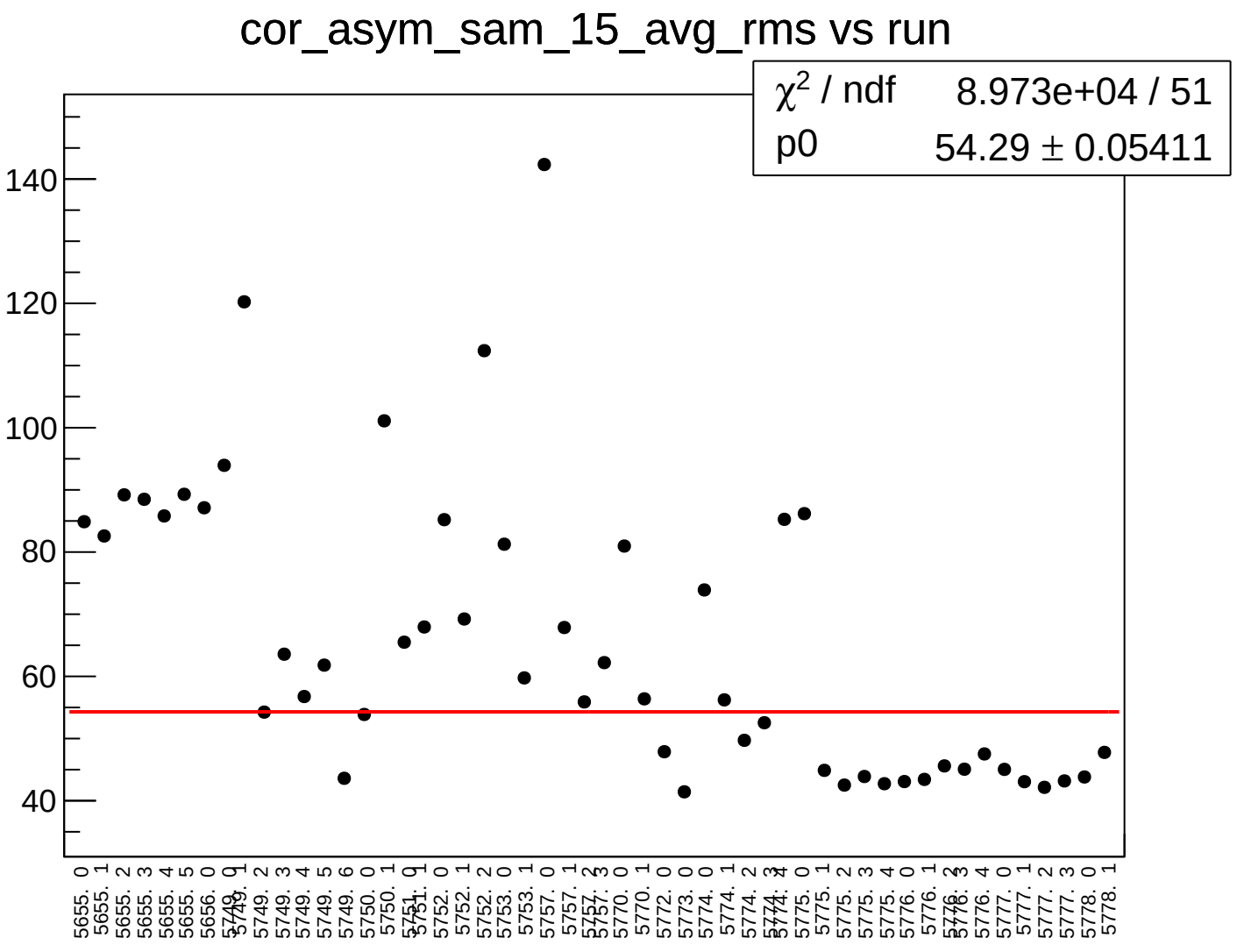

asym_sam_15_avg_reg_correction_mean vs run
χ² / ndf 49.46 / 51
p0 46.93 ± 170.1
pull
Entries 52
Mean −4.674
Std Dev 48.12


pull1D
Entries 52
Mean −0.004848
Std Dev 0.9752


asym_sam_15_avg_reg_correction_rms vs run
χ² / ndf 8.602e+04 / 51
p0 120.9 ± 0.1203
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_sam_15_avg_mean vs run
χ² / ndf 42.41 / 51
p0 0.9915 ± 76.53
pull
Entries 52
Mean −8.941
Std Dev 0


pull1D
Entries 52
Mean −0.08332
Std Dev 0.8993


cor_asym_sam_15_avg_rms vs run
χ² / ndf 8.973e+04 / 51
p0 54.29 ± 0.05411
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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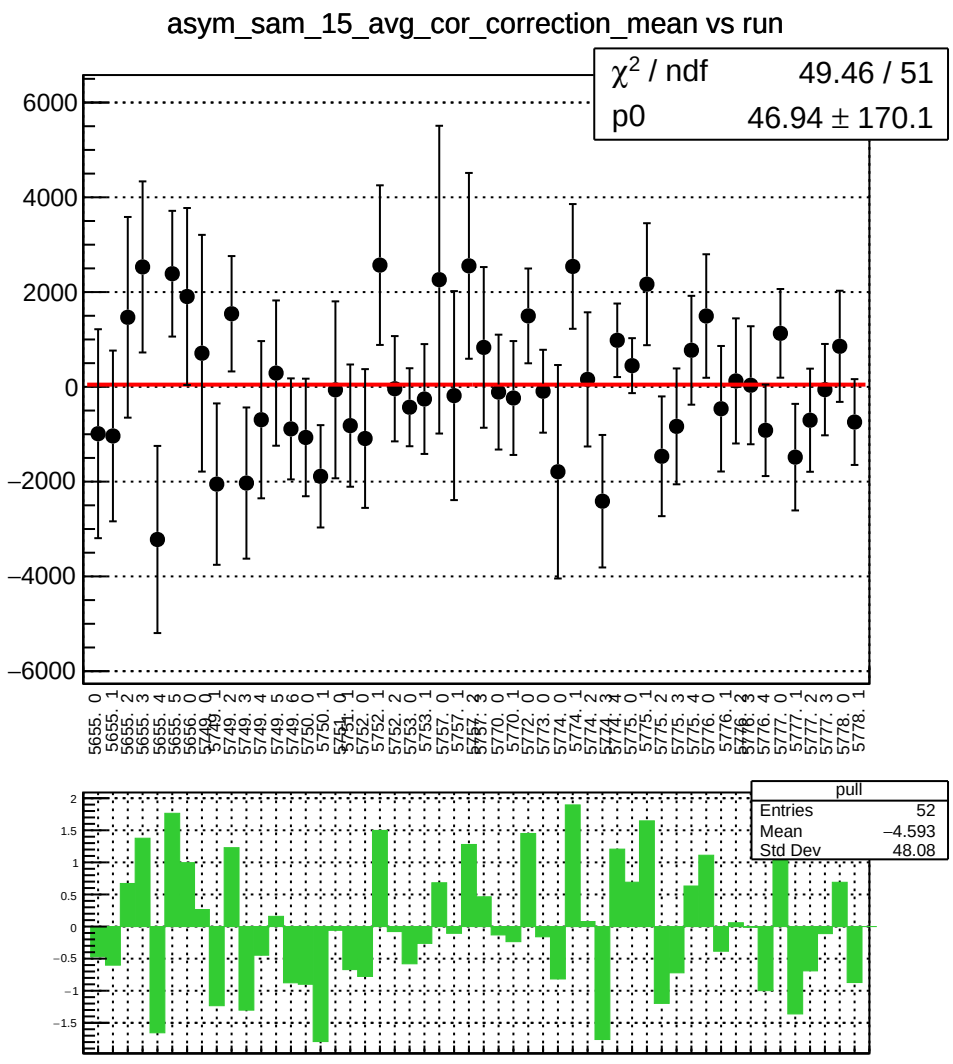
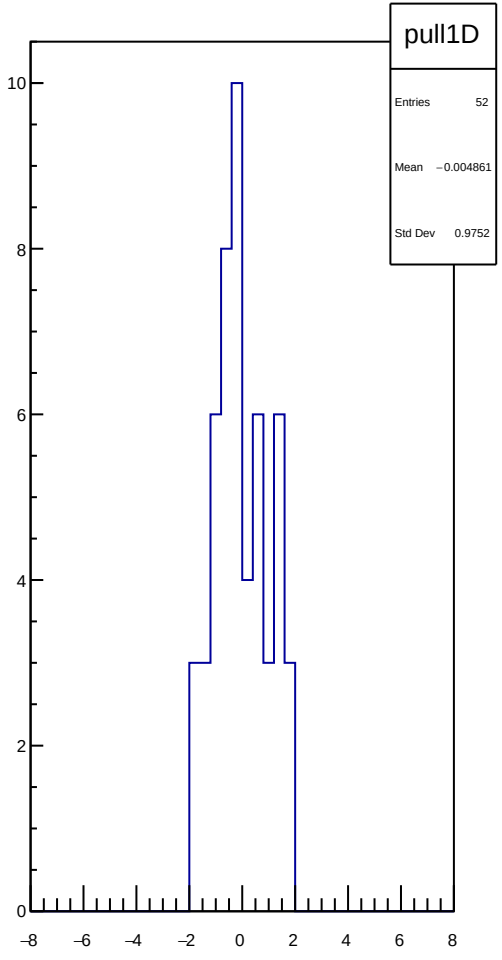
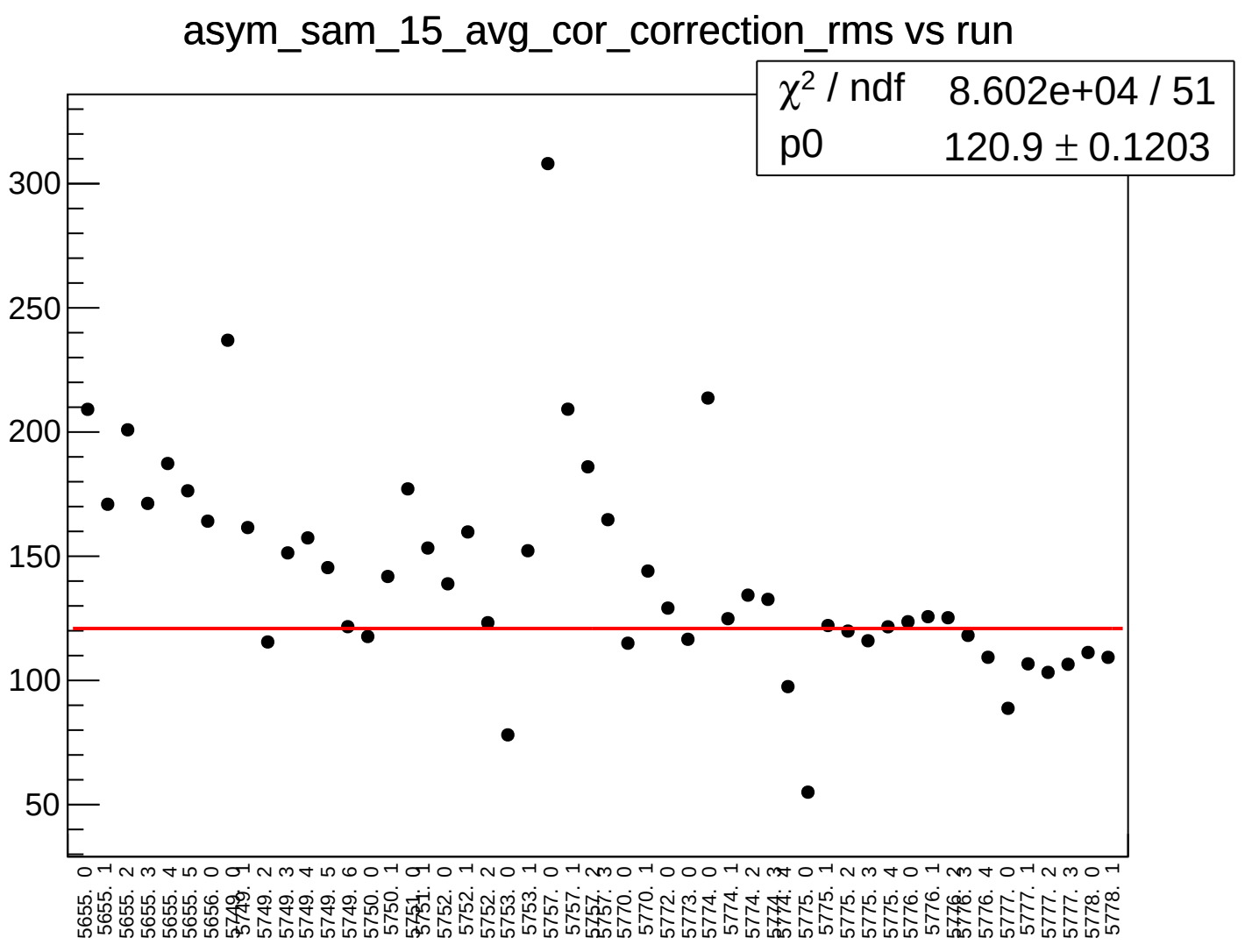
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_15_avg_cor_correction_mean vs run
χ² / ndf 49.46 / 51
p0 46.94 ± 170.1
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 52
Mean −4.593
Std Dev 48.08
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 52
Mean −0.004861
Std Dev 0.9752
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_avg_cor_correction_rms vs run
χ² / ndf 8.602e+04 / 51
p0 120.9 ± 0.1203
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
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5757. 0
5757. 1
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5773. 0
5774. 0
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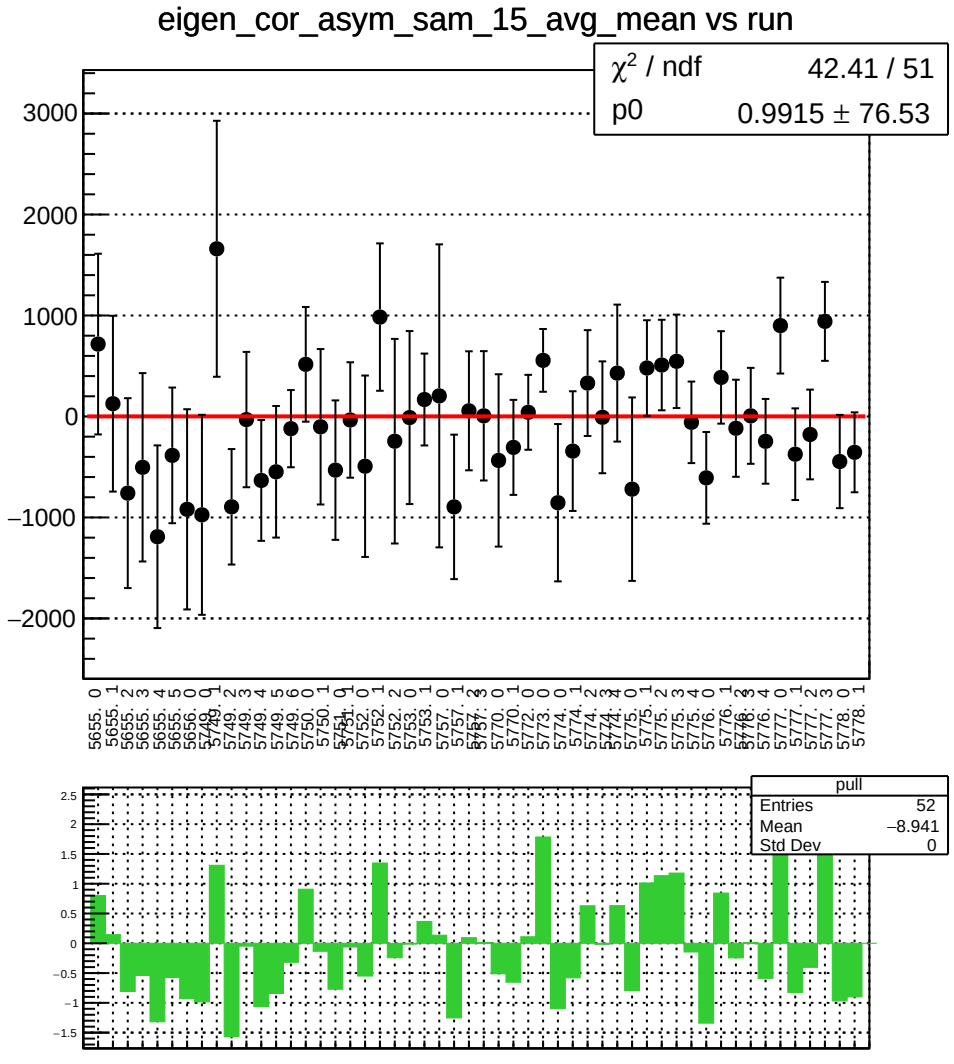
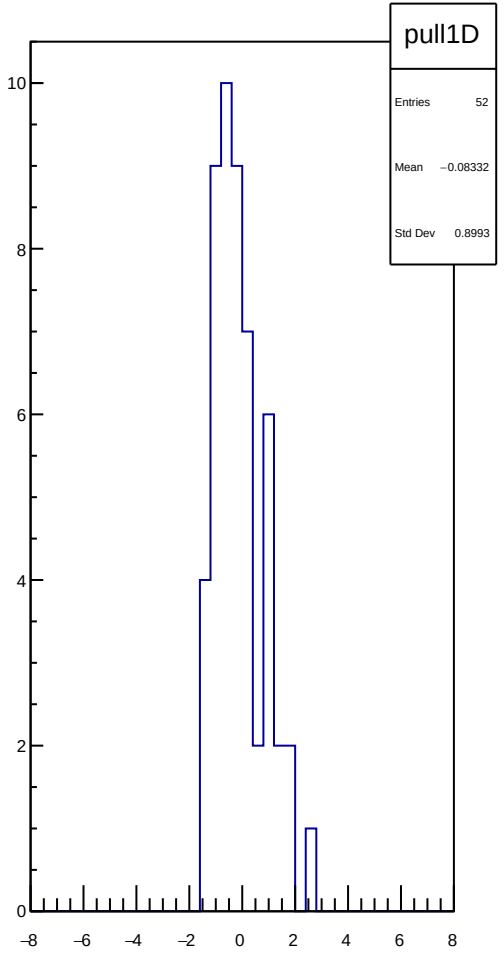
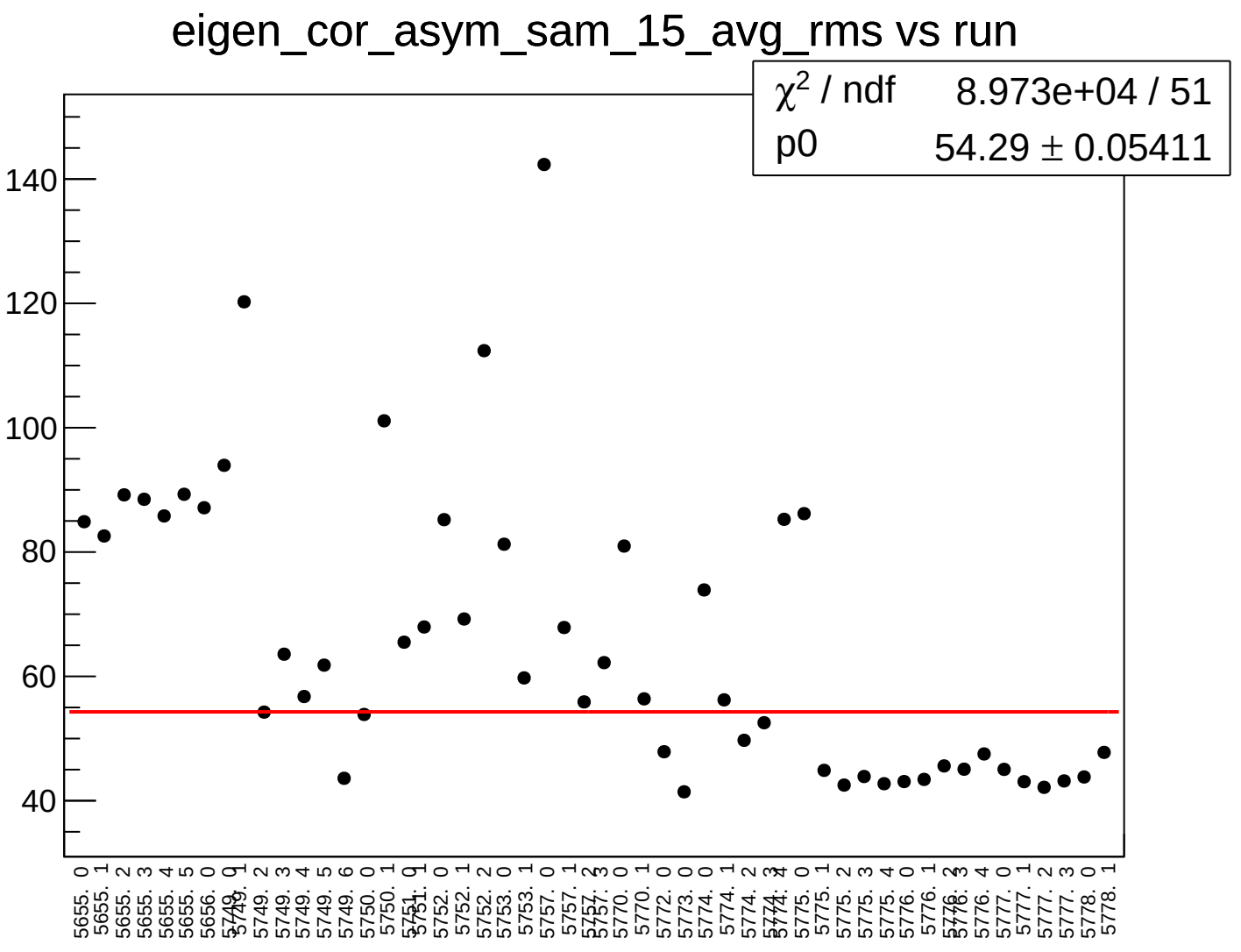
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_sam_15_avg_mean vs run
χ² / ndf 42.41 / 51
p0 0.9915 ± 76.53
pull
Entries 52
Mean −8.941
Std Dev 0


pull1D
Entries 52
Mean −0.08332
Std Dev 0.8993


eigen_cor_asym_sam_15_avg_rms vs run
χ^2 / ndf 8.973e+04 / 51
p0 54.29 ± 0.05411
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
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5752. 2
5753. 0
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5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
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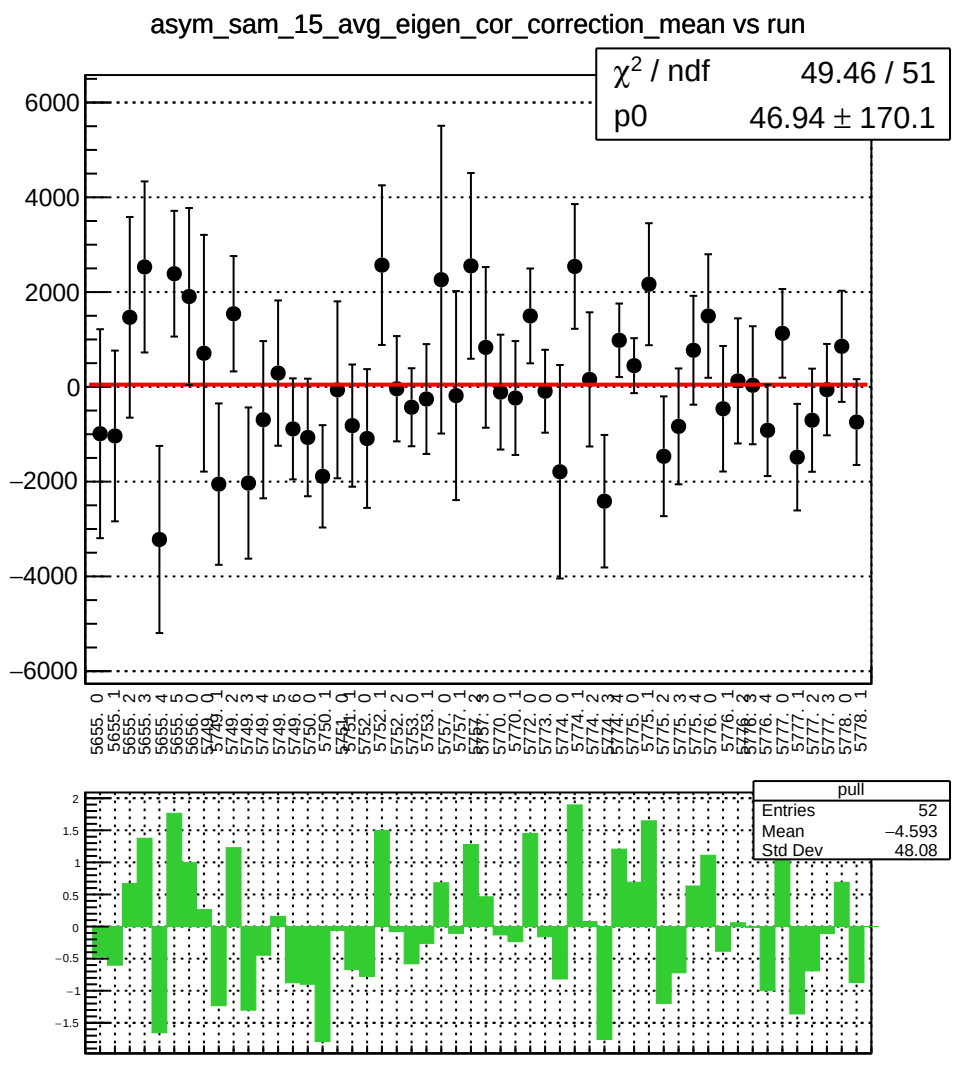
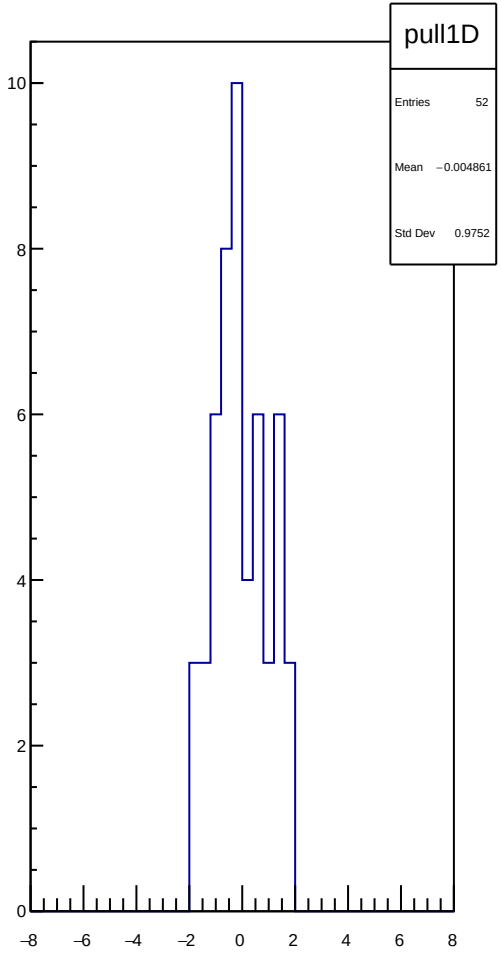
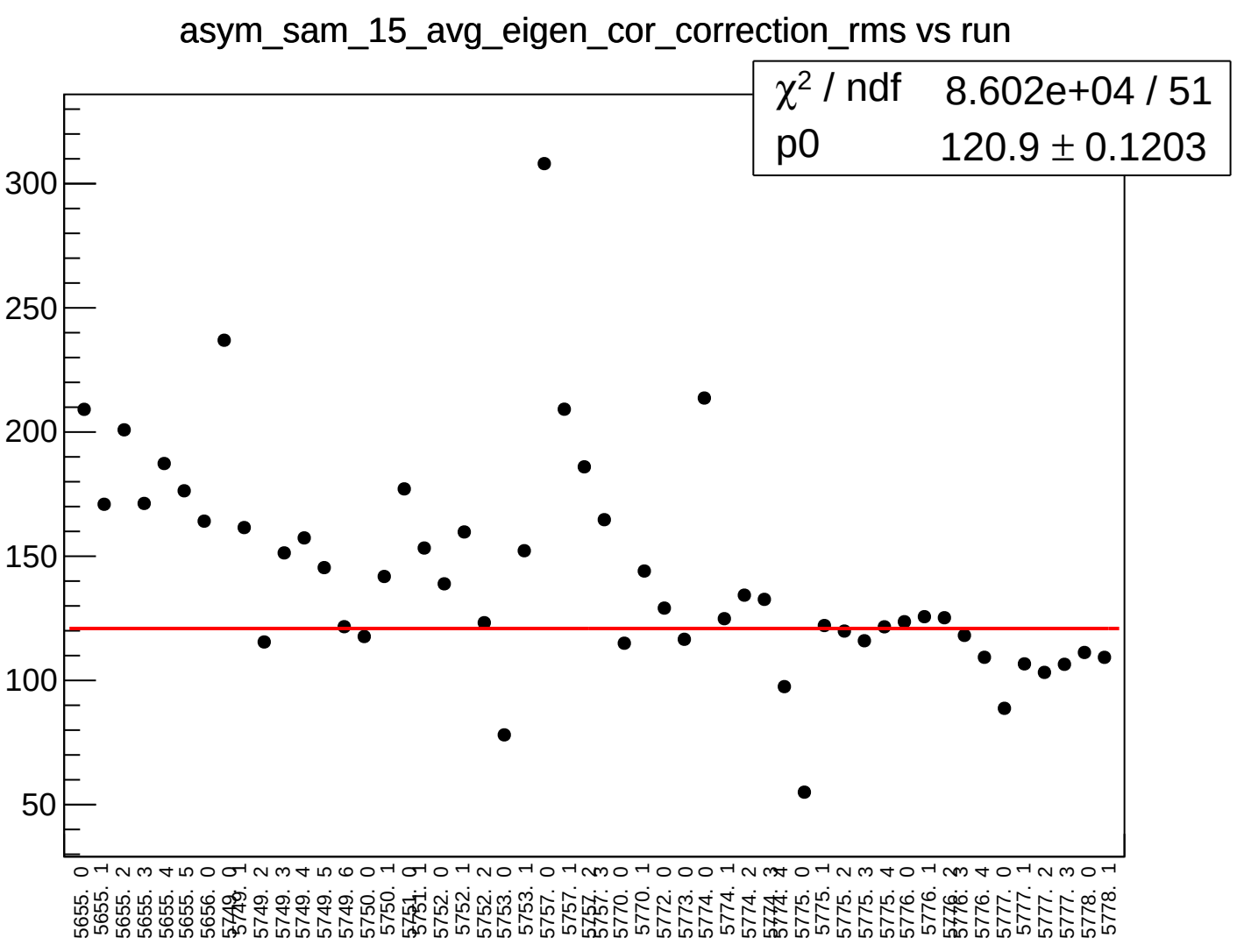
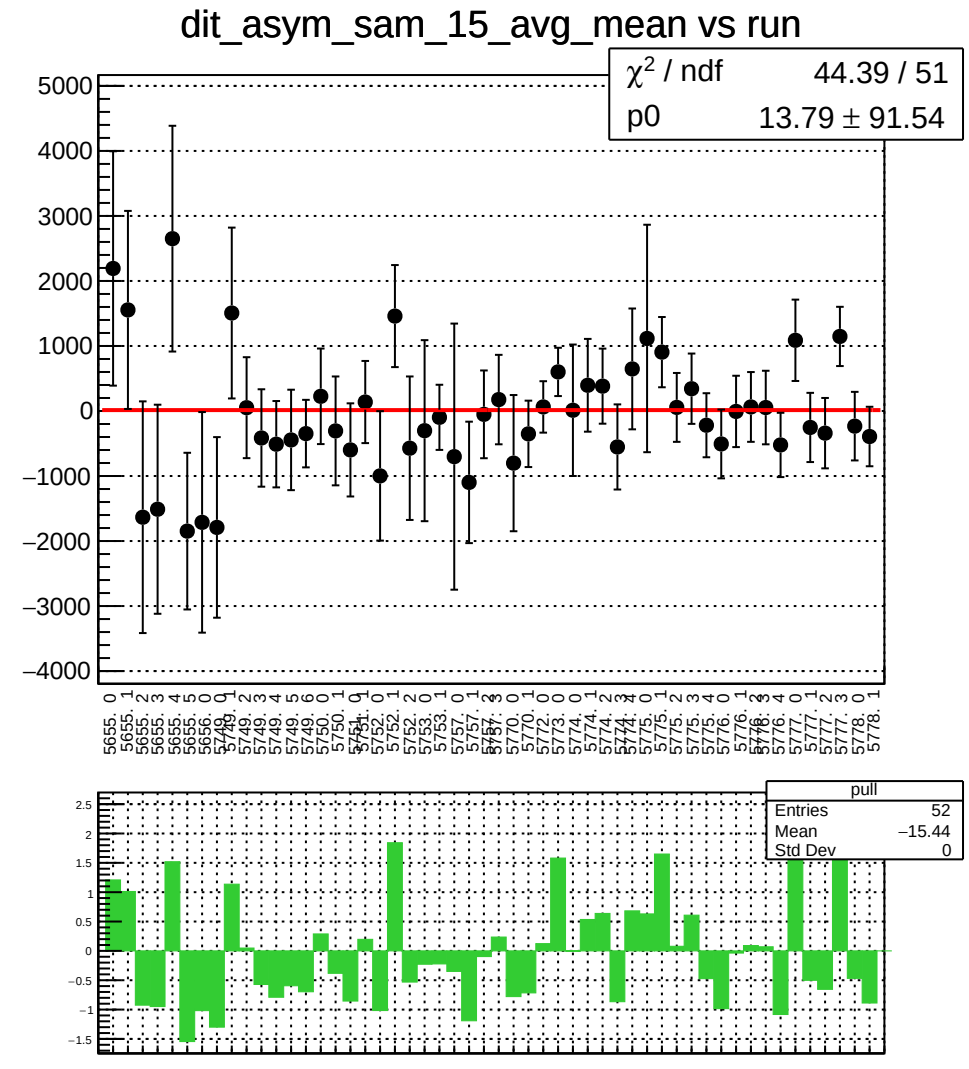
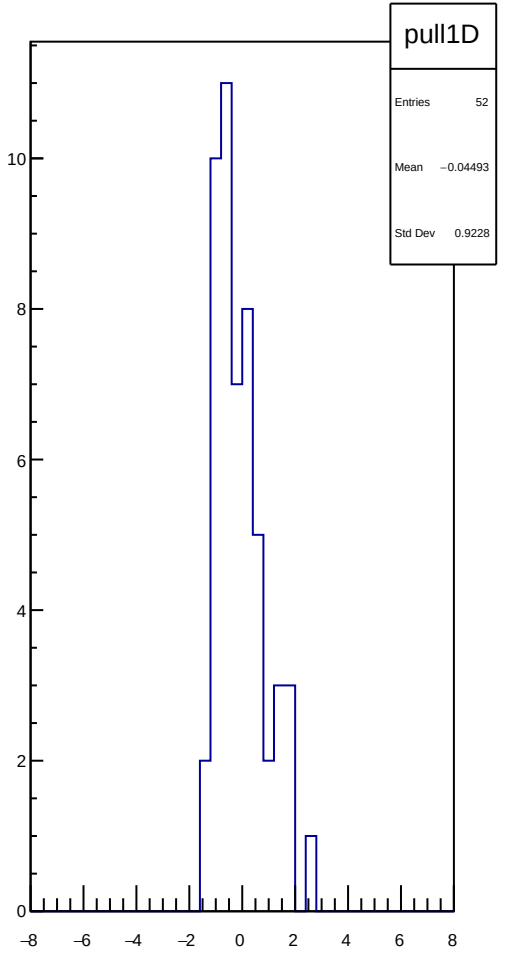
5778. 0
5778. 1

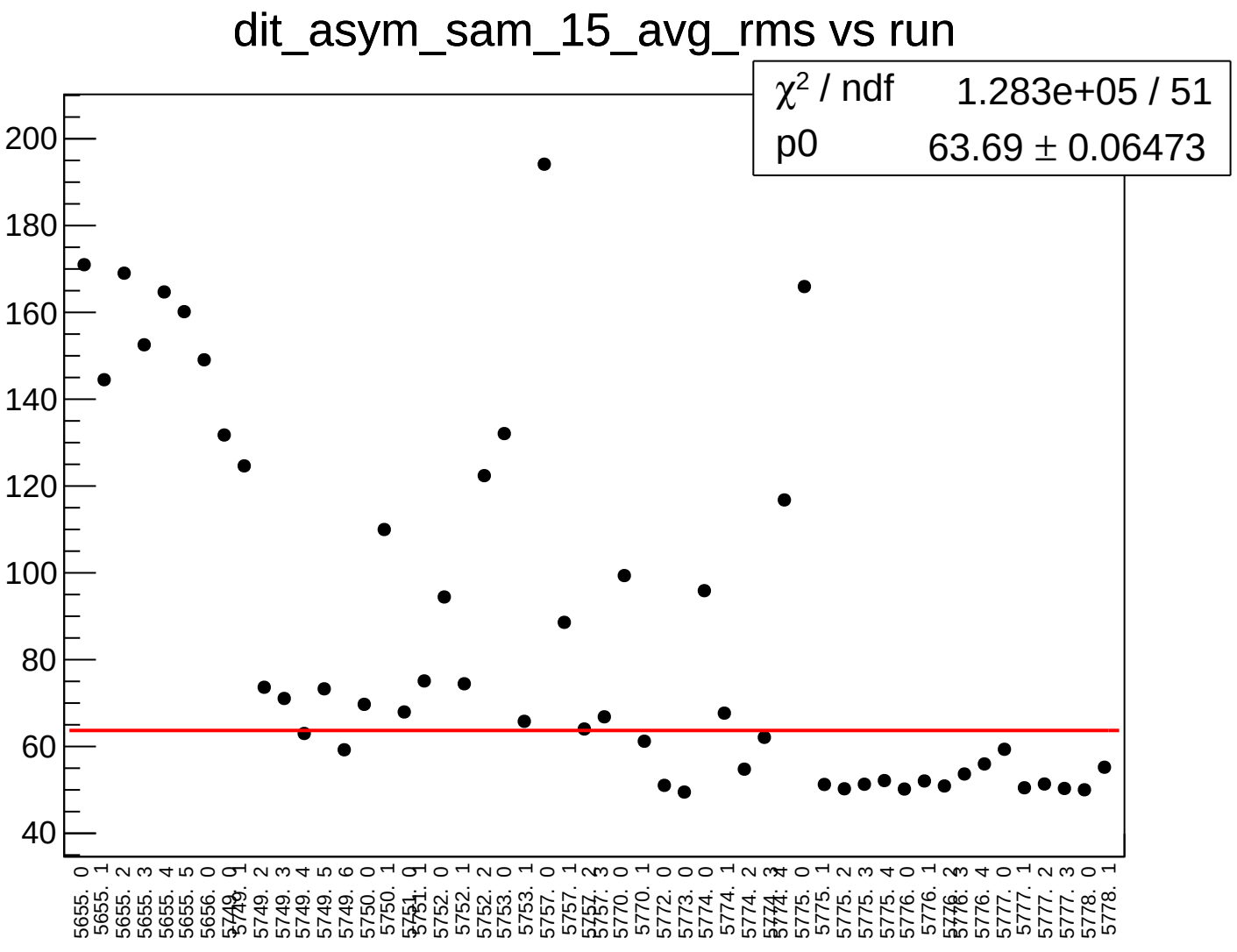

asym_sam_15_avg_eigen_cor_correction_mean vs run
χ² / ndf 49.46 / 51
p0 46.94 ± 170.1
pull
Entries 52
Mean −4.593
Std Dev 48.08

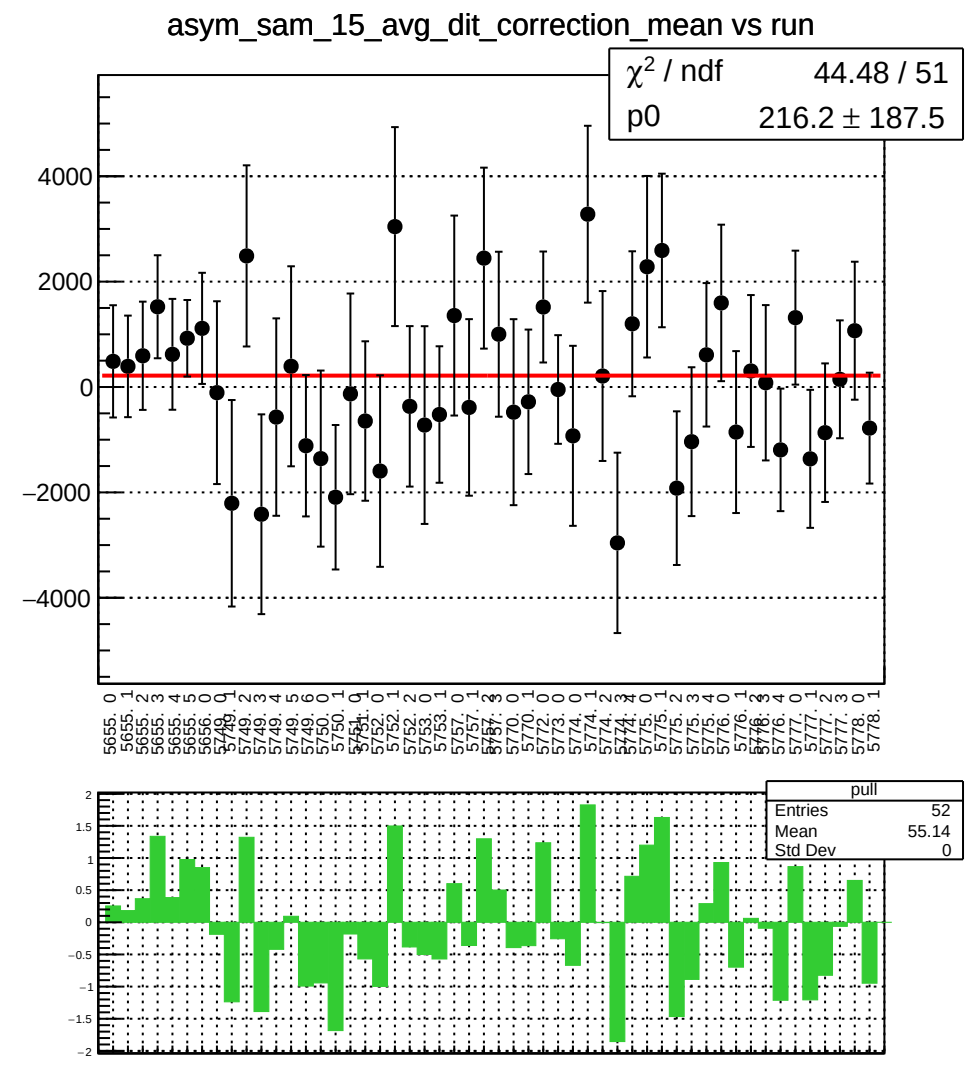

pull1D
Entries 52
Mean −0.004861
Std Dev 0.9752

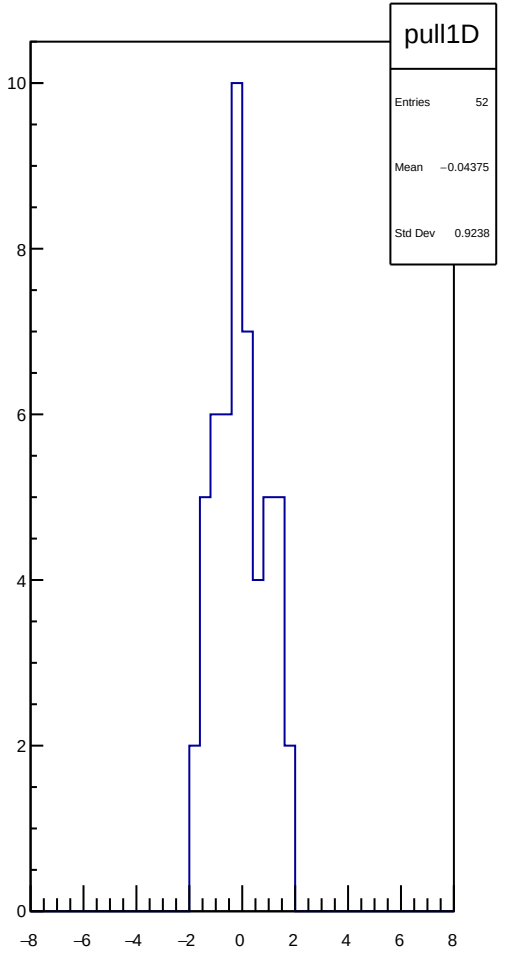

asym_sam_15_avg_eigen_cor_correction_rms vs run
χ² / ndf 8.602e+04 / 51
p0 120.9 ± 0.1203
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

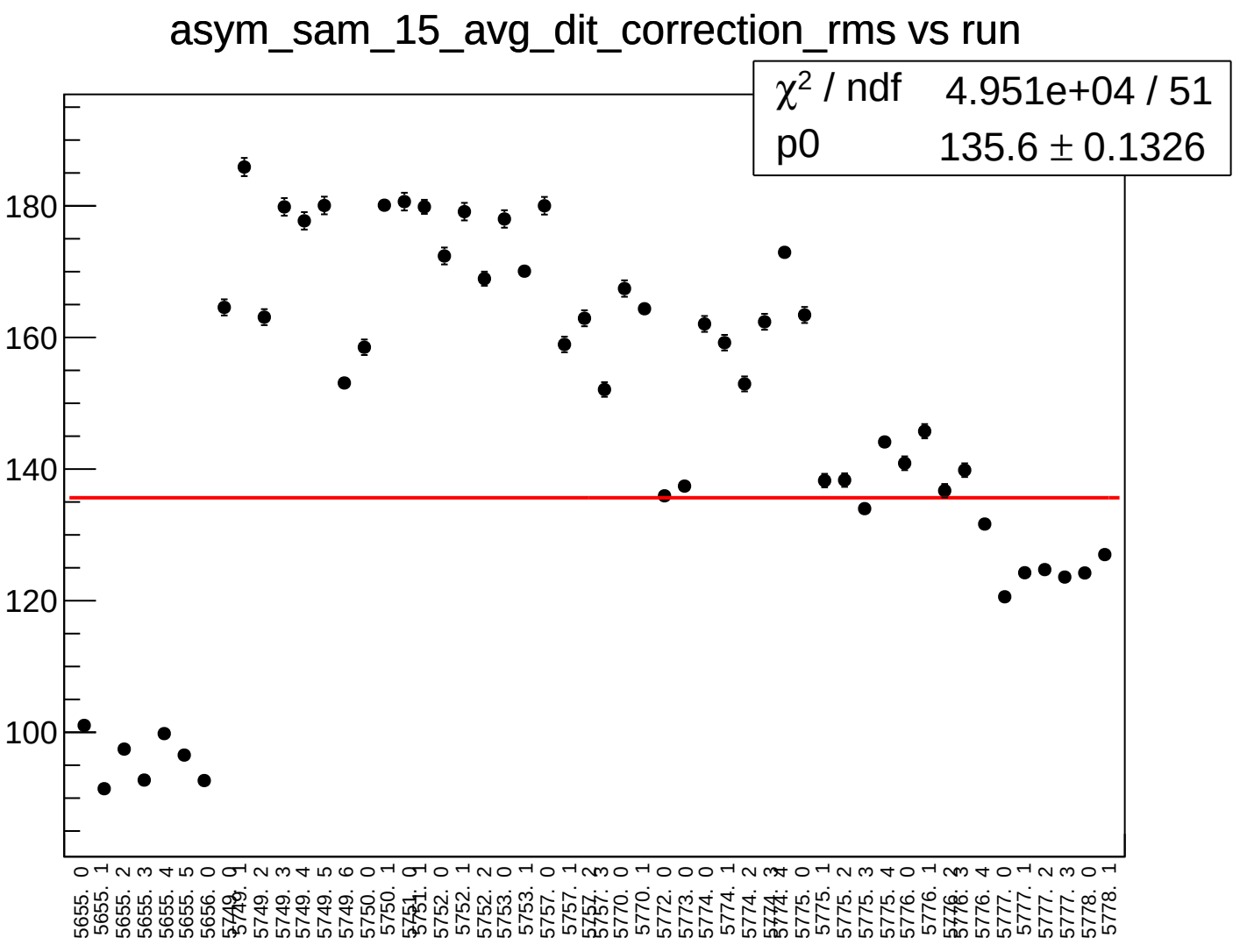

dit_asym_sam_15_avg_mean vs run
χ² / ndf 44.39 / 51
p0 13.79 ± 91.54
pull
Entries 52
Mean −15.44
Std Dev 0

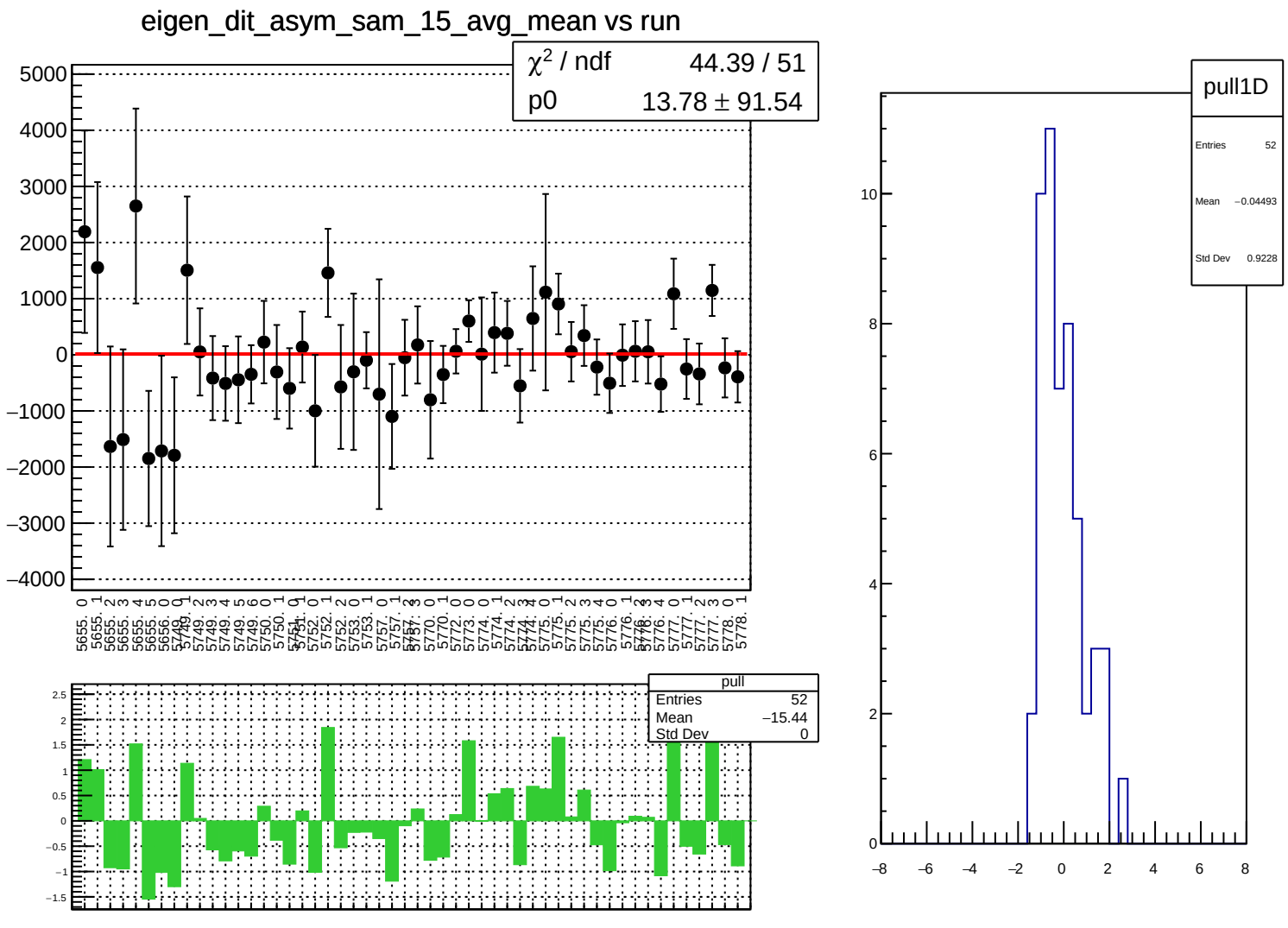

pull1D
Entries 52
Mean −0.04493
Std Dev 0.9228

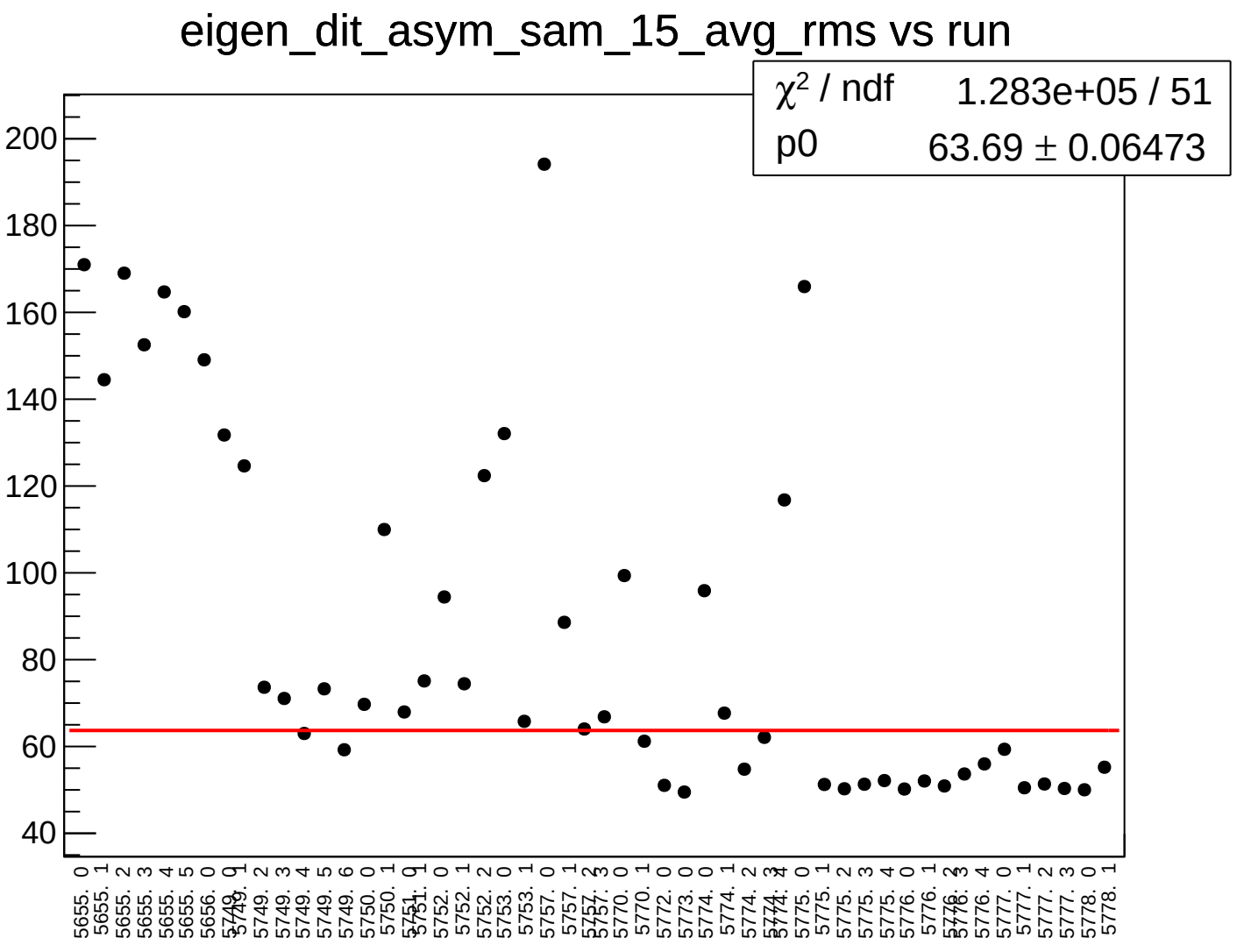

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 1.283e+05 / 51
p0 63.69 ± 0.06473
200
180
160
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

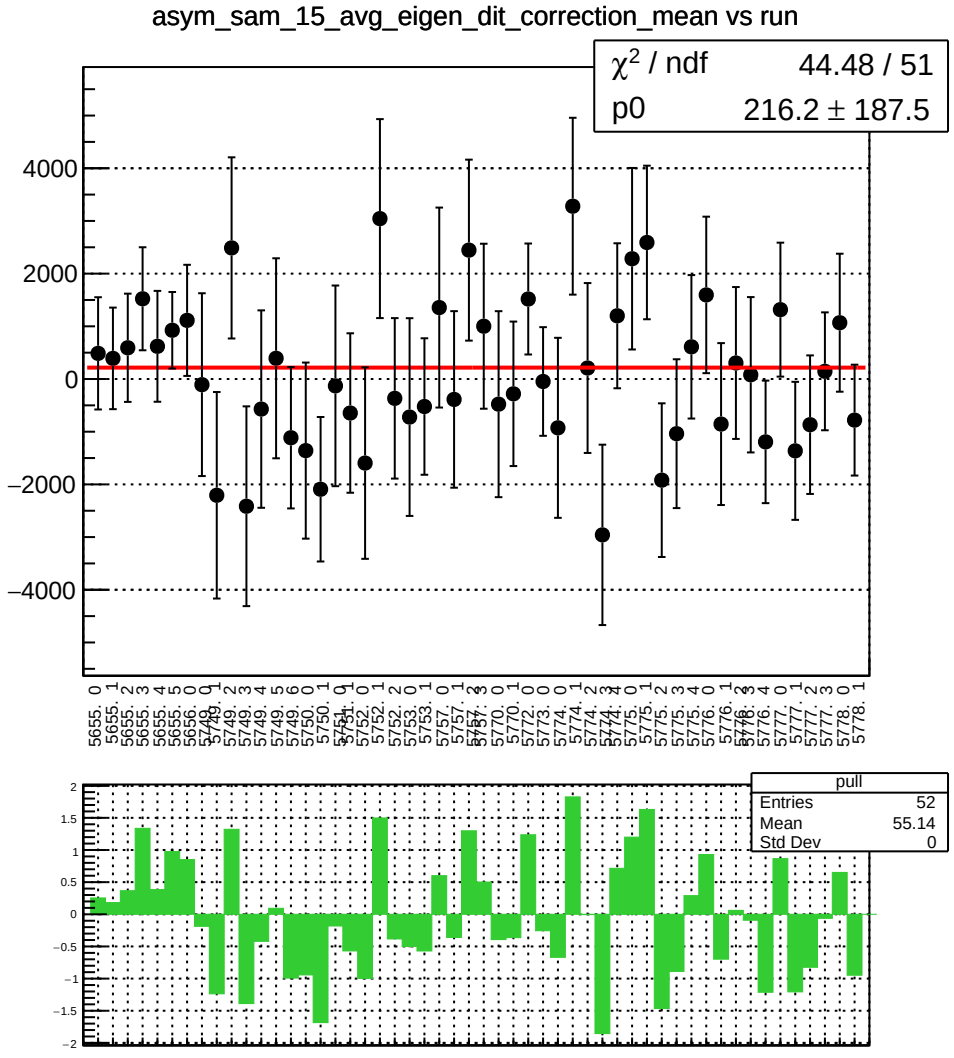

asym_sam_15_avg_dit_correction_mean vs run
χ² / ndf 44.48 / 51
p0 216.2 ± 187.5
4000
2000
0
−2000
−4000
pull
Entries 52
Mean 55.14
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

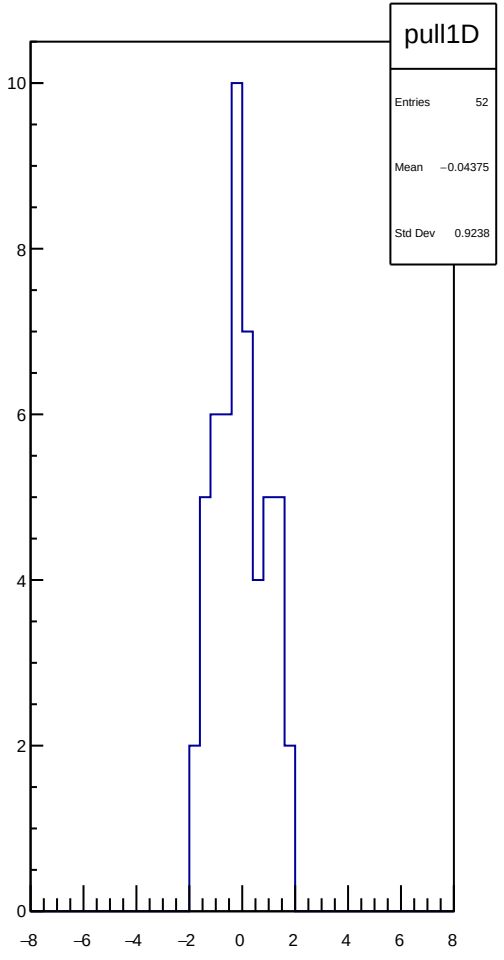

pull1D
Entries 52
Mean −0.04375
Std Dev 0.9238
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

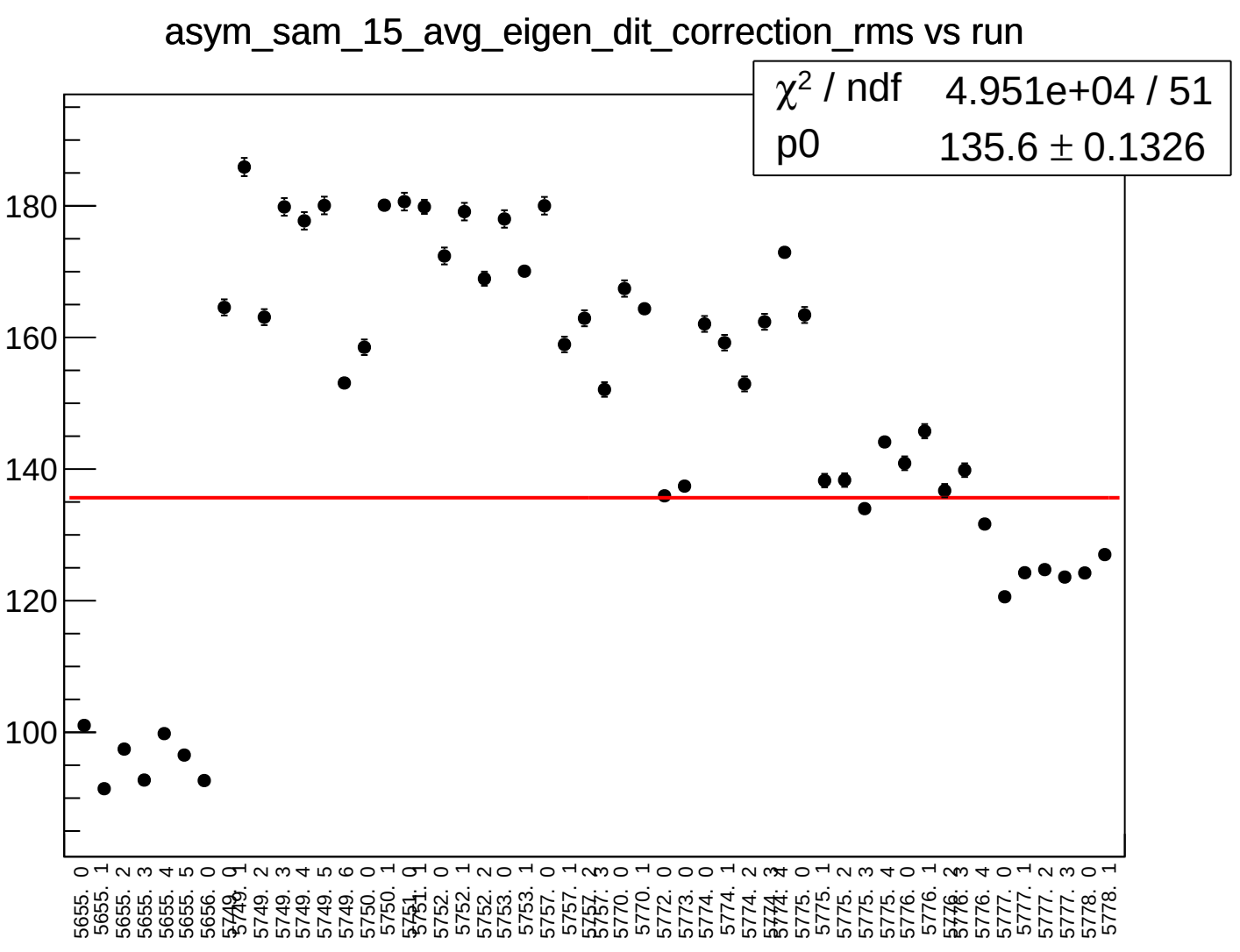

asym_sam_15_avg_dit_correction_rms vs run
χ² / ndf 4.951e+04 / 51
p0 135.6 ± 0.1326
180
160
140
120
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

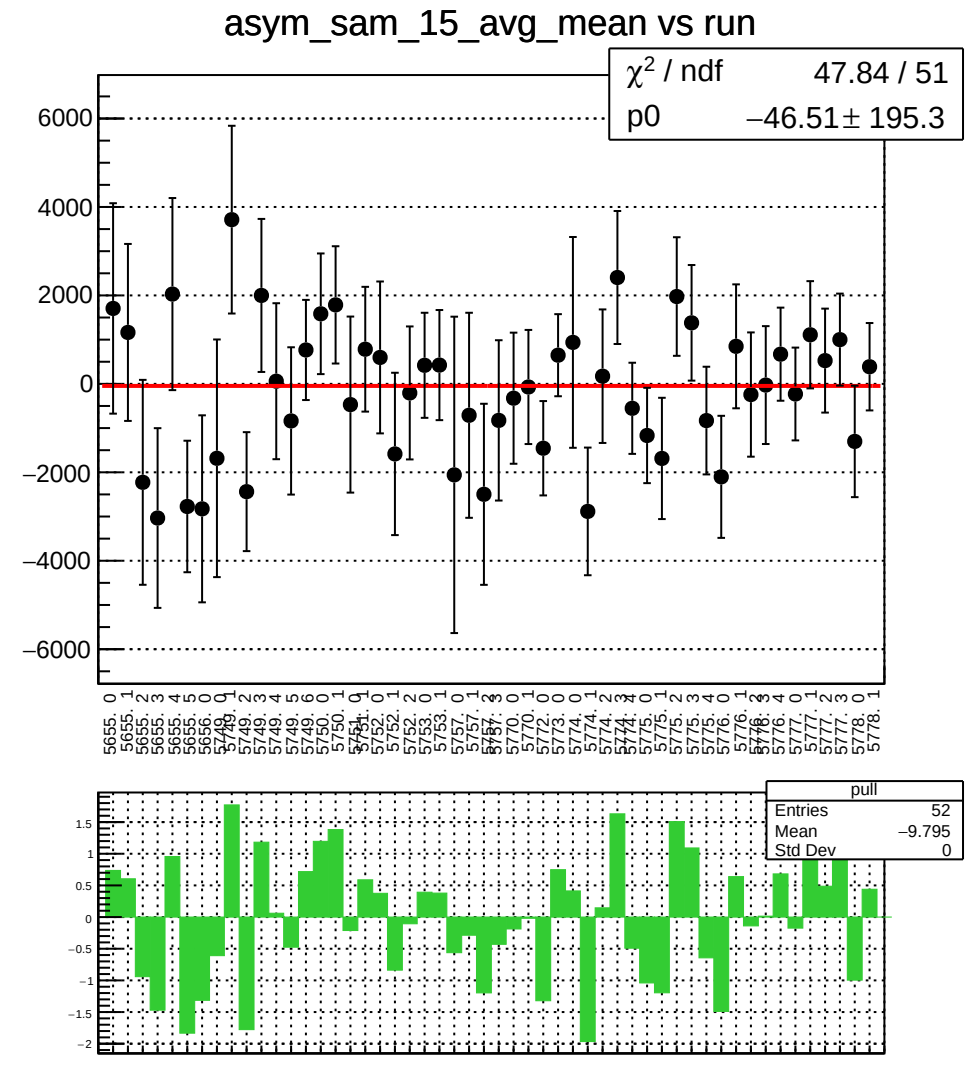

eigen_dit_asym_sam_15_avg_mean vs run
χ² / ndf 44.39 / 51
p0 13.78 ± 91.54
pull
Entries 52
Mean −15.44
Std Dev 0
pull1D
Entries 52
Mean −0.04493
Std Dev 0.9228

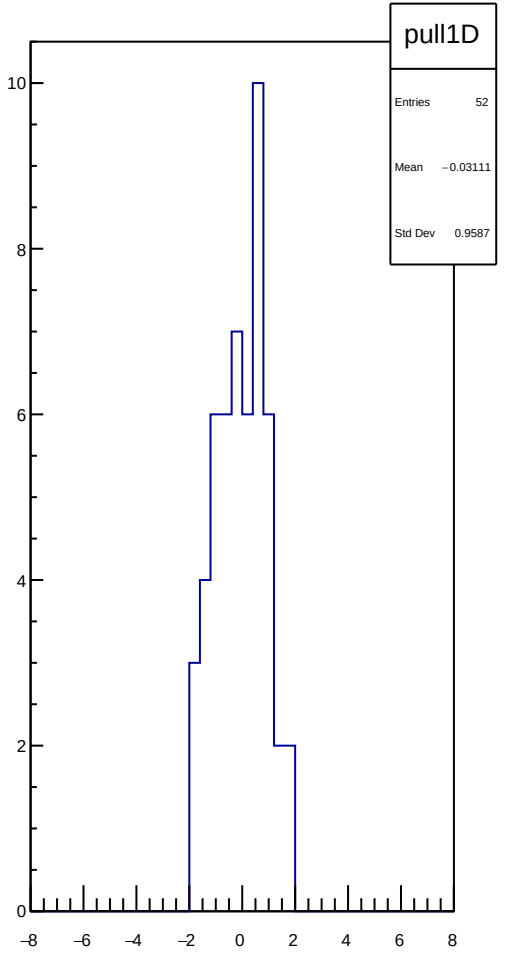

eigen_dit_asym_sam_15_avg_rms vs run
χ² / ndf 1.283e+05 / 51
p0 63.69 ± 0.06473
200
180
160
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

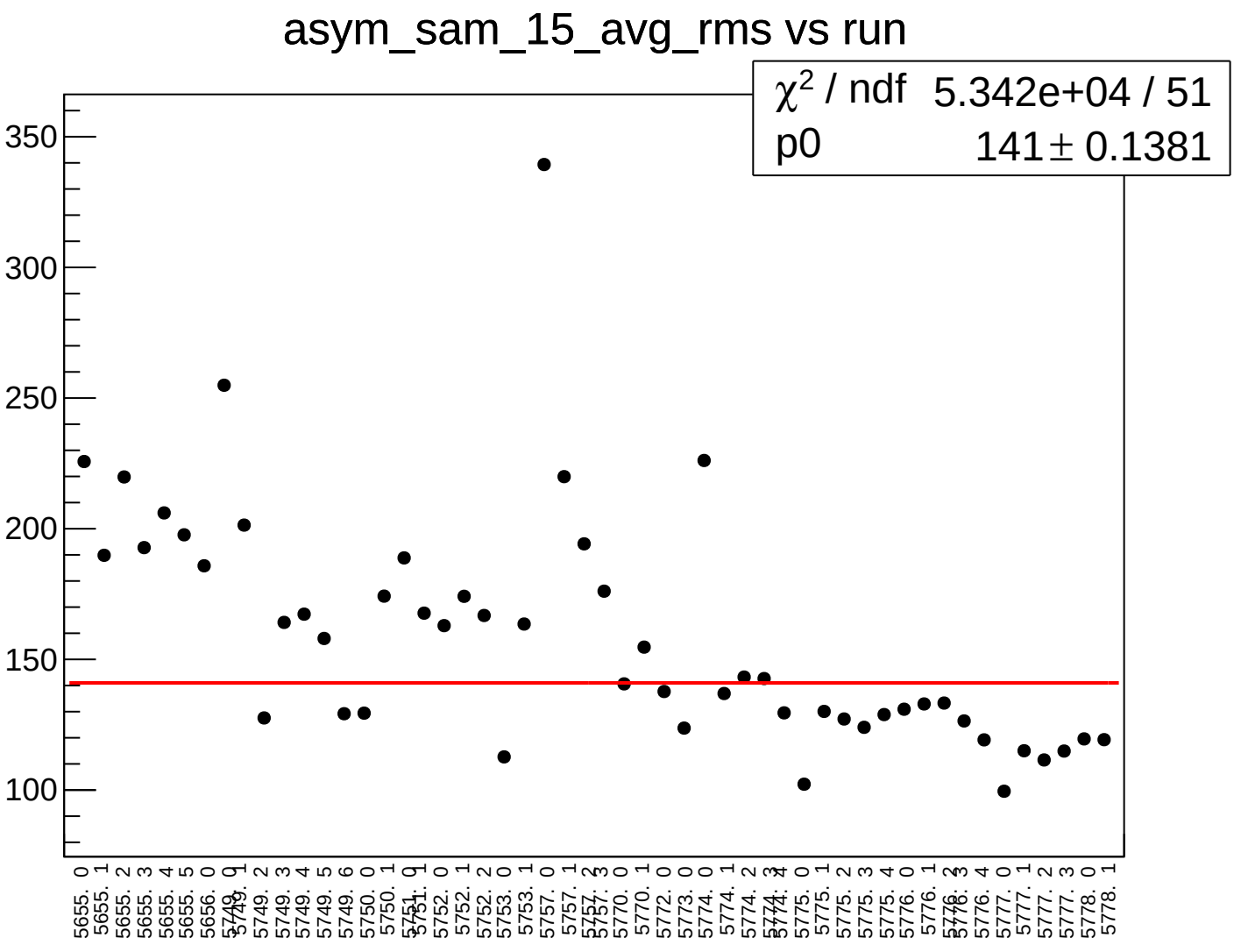

asym_sam_15_avg_eigen_dit_correction_mean vs run
χ² / ndf 44.48 / 51
p0 216.2 ± 187.5
4000
2000
0
−2000
−4000
pull
Entries 52
Mean 55.14
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

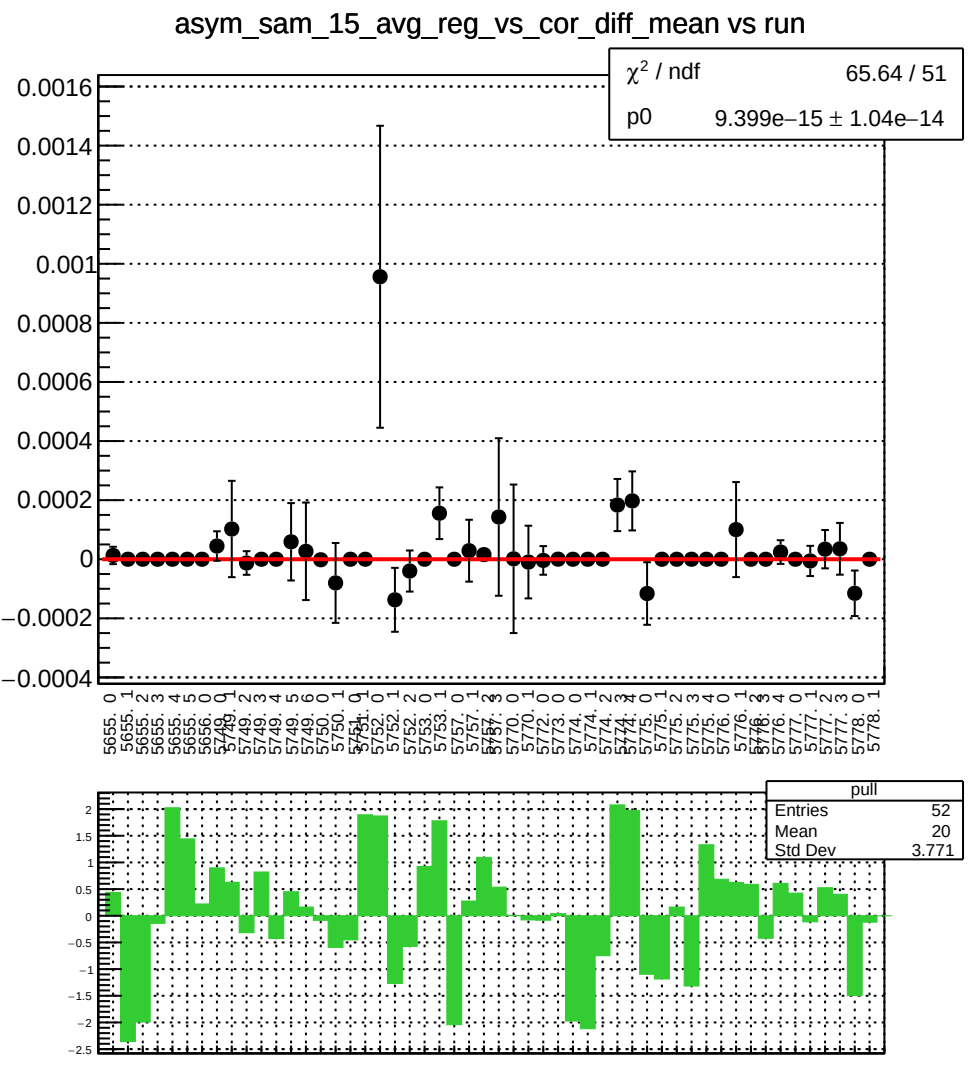

pull1D
Entries 52
Mean −0.04375
Std Dev 0.9238
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

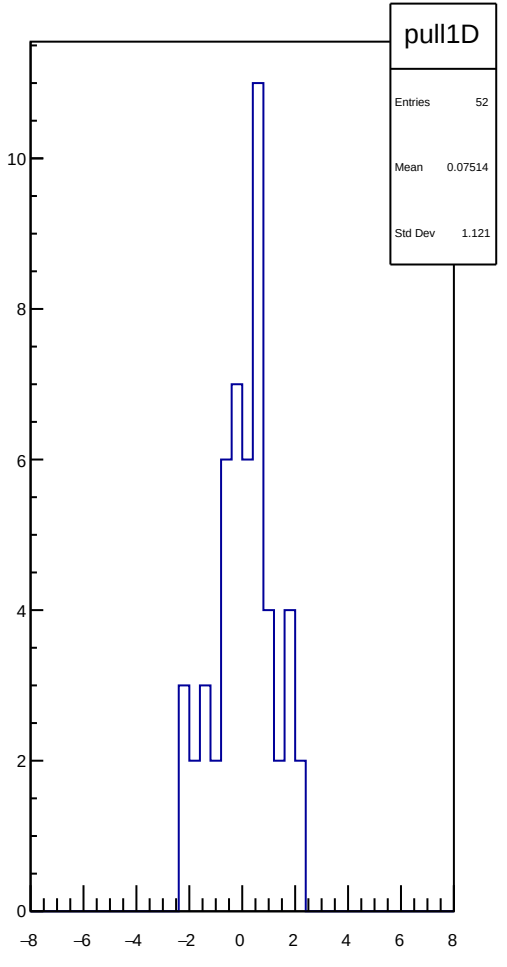

asym_sam_15_avg_eigen_dit_correction_rms vs run
χ² / ndf 4.951e+04 / 51
p0 135.6 ± 0.1326
180
160
140
120
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

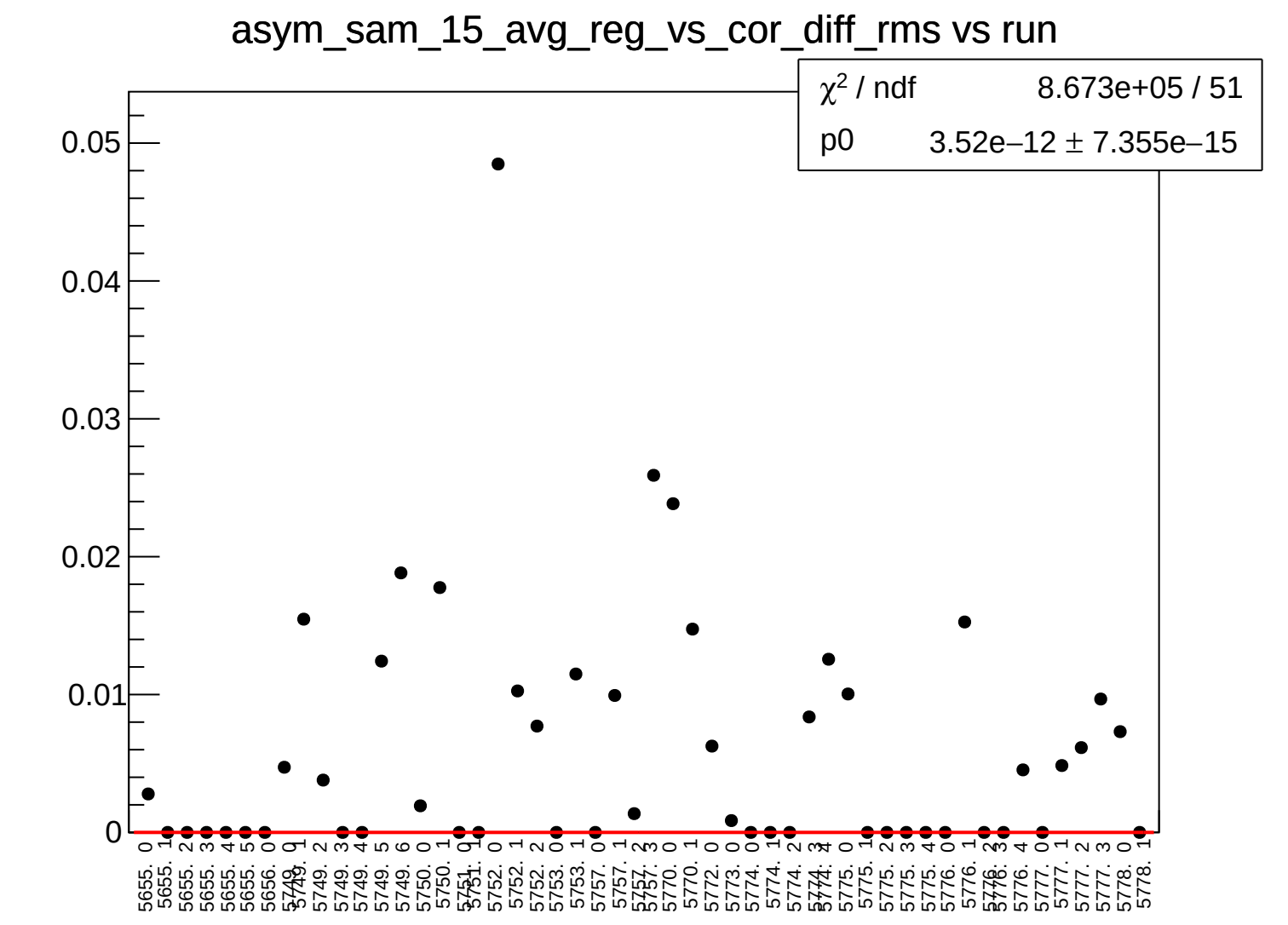

asym_sam_15_avg_mean vs run
χ² / ndf 47.84 / 51
p0 −46.51 ± 195.3
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 52
Mean −9.795
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

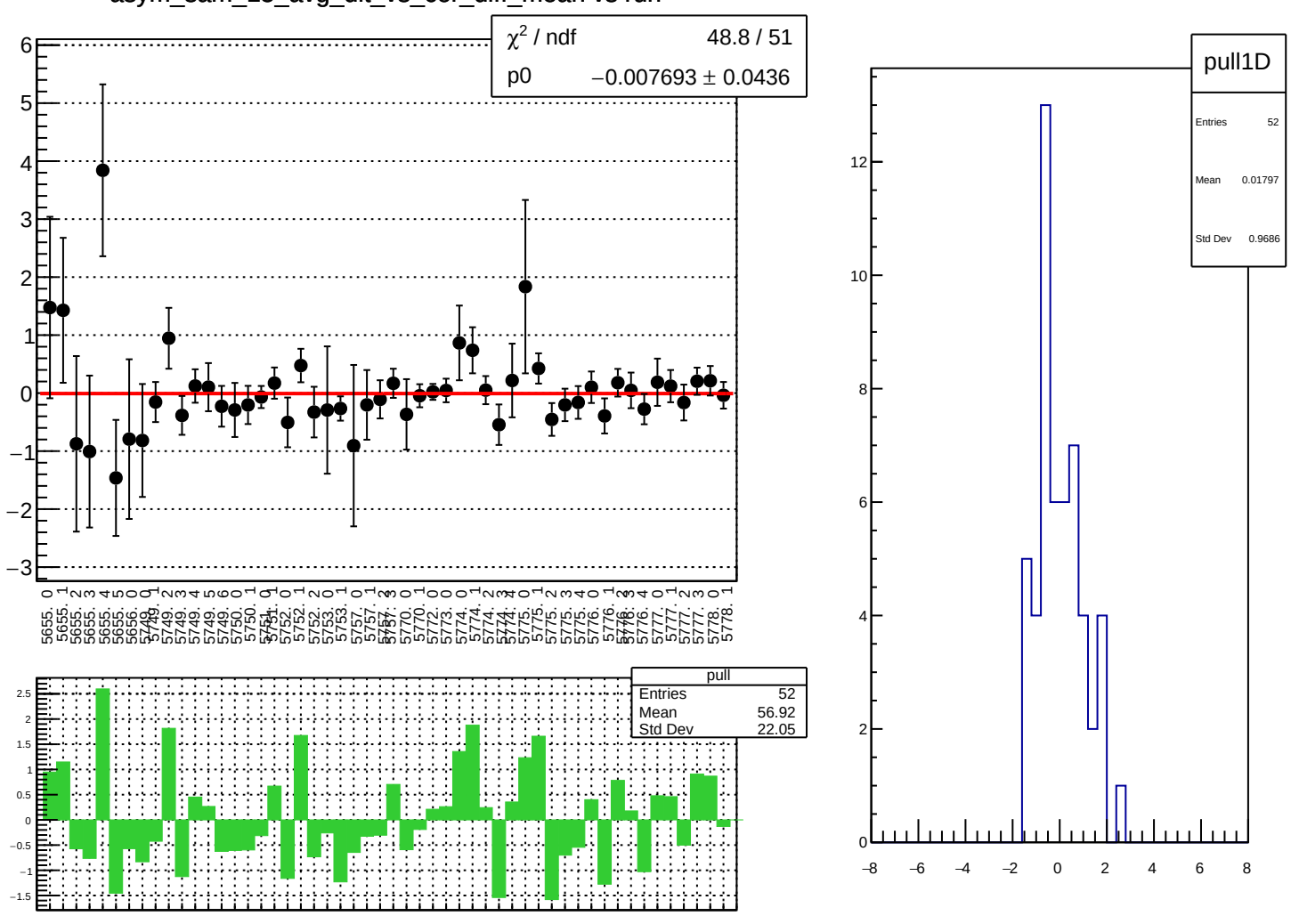

pull1D
Entries 52
Mean −0.03111
Std Dev 0.9587
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

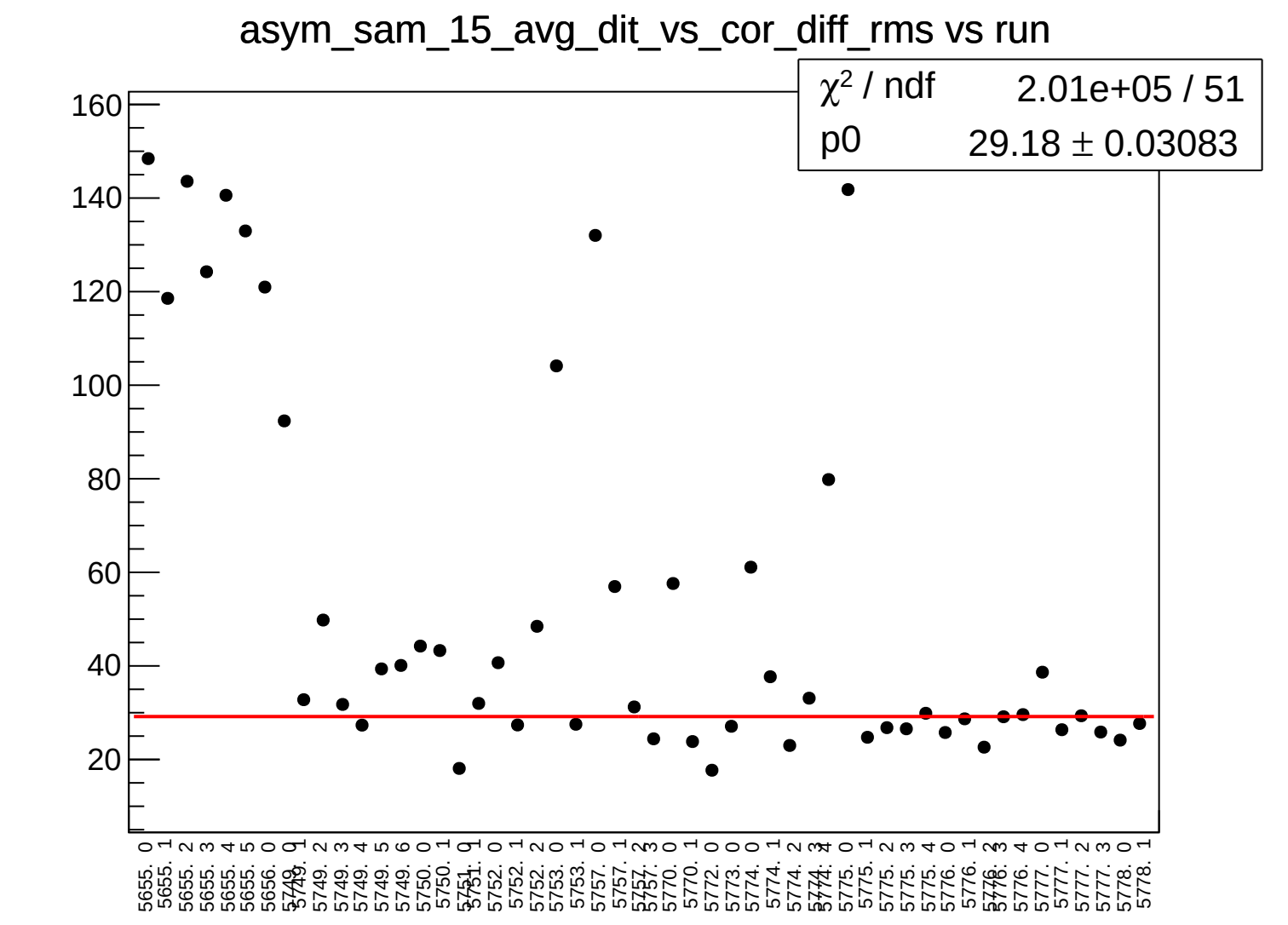

asym_sam_15_avg_rms vs run
χ² / ndf 5.342e+04 / 51
p0 141 ± 0.1381
350
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

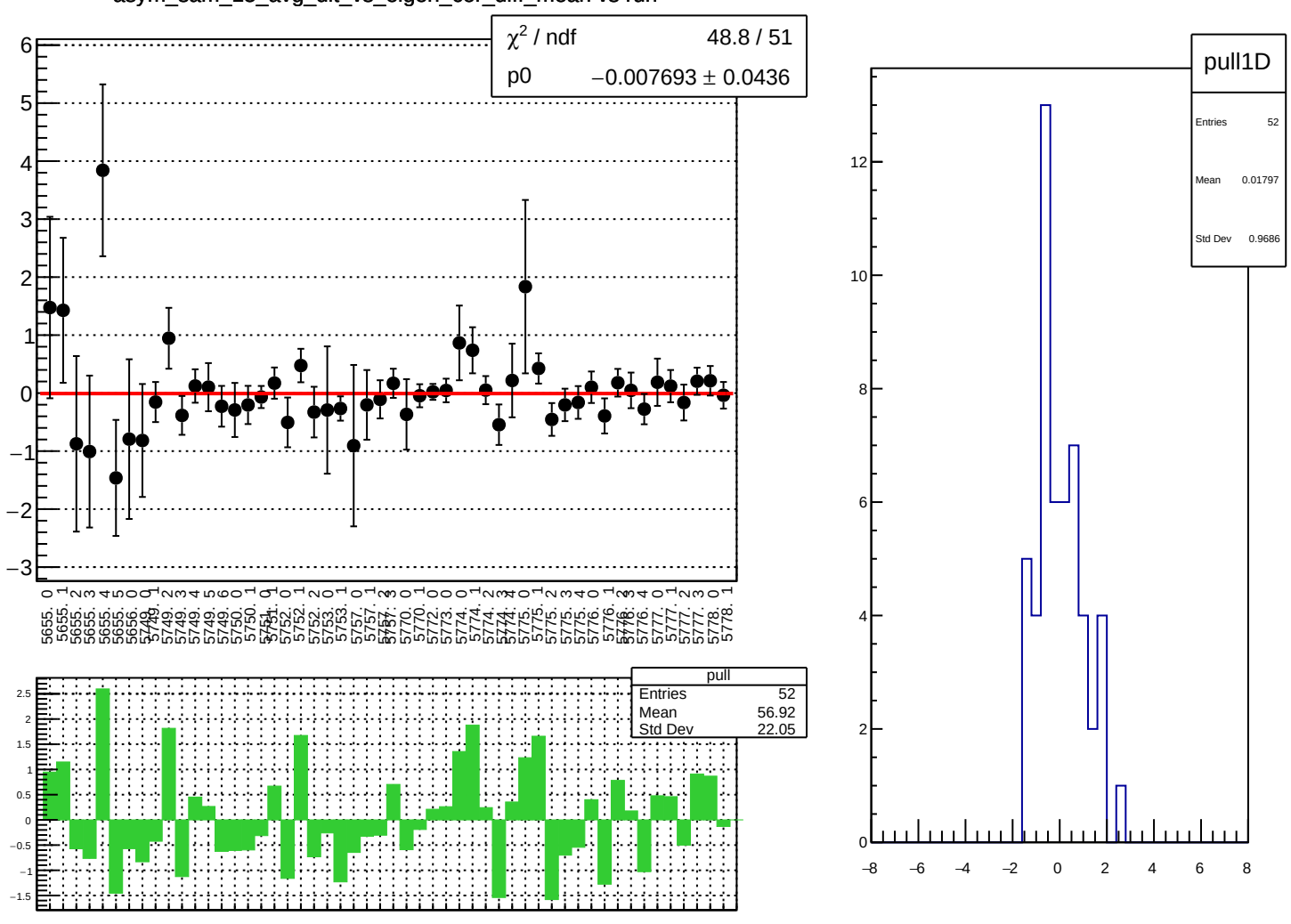

asym_sam_15_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 65.64 / 51
p0 9.399e−15 ± 1.04e−14
pull
Entries 52
Mean 20
Std Dev 3.771

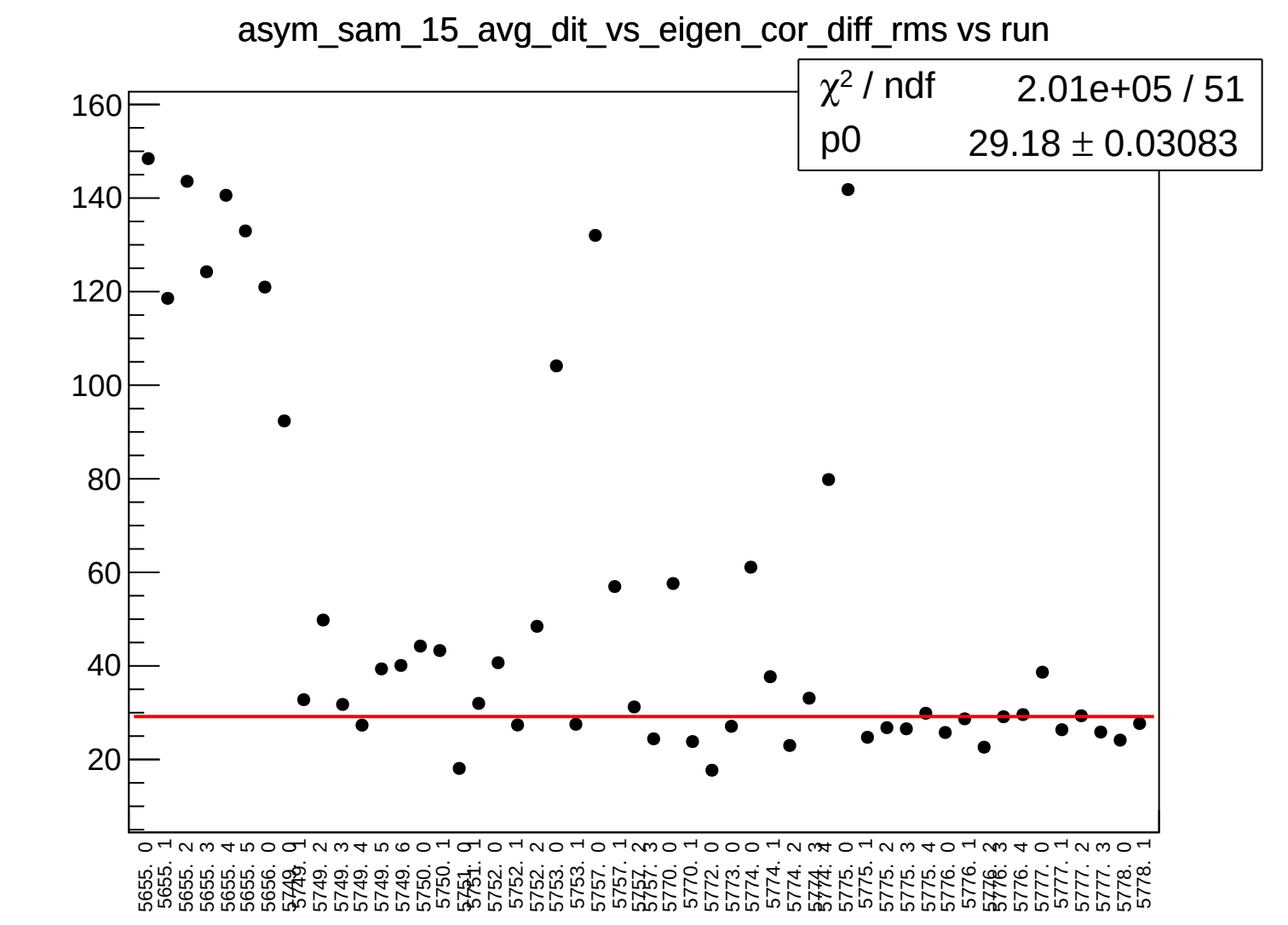

pull1D
Entries 52
Mean 0.07514
Std Dev 1.121

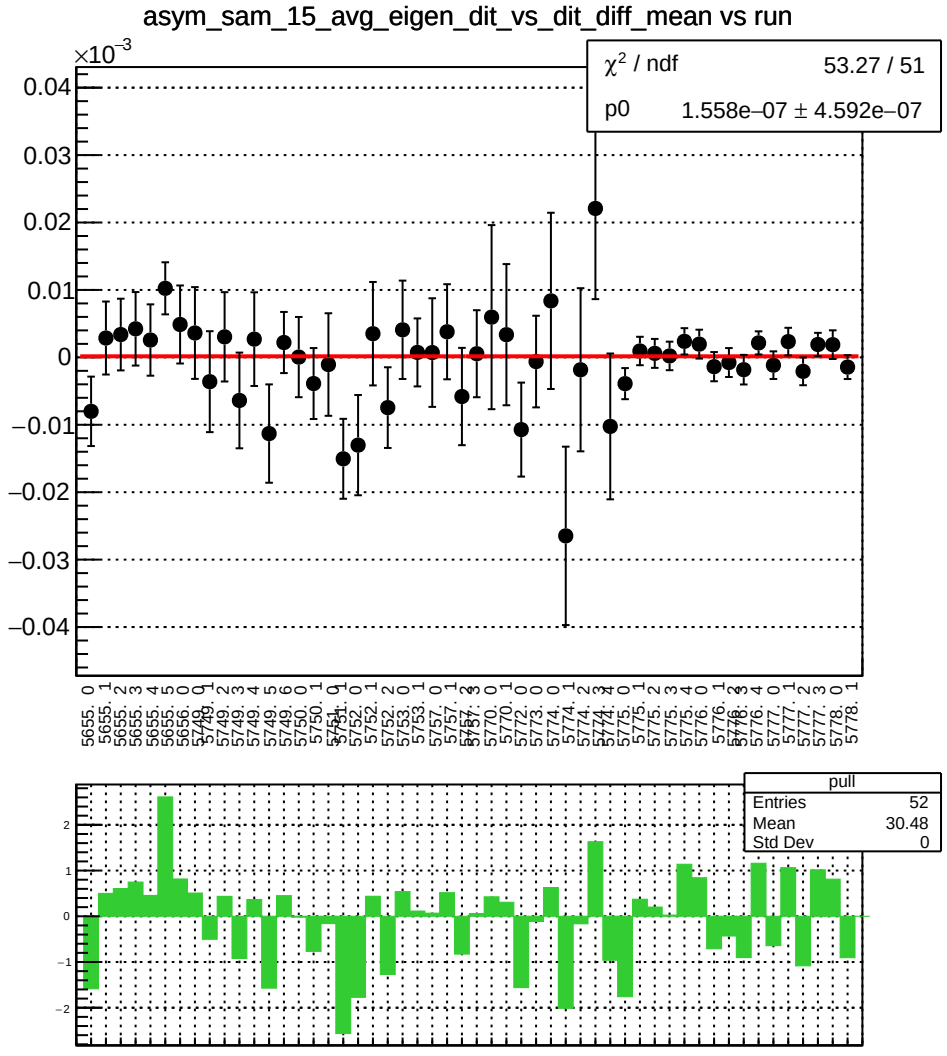

asym_sam_15_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.673e+05 / 51
p0 3.52e−12 ± 7.355e−15
0.05
0.04
0.03
0.02
0.01
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

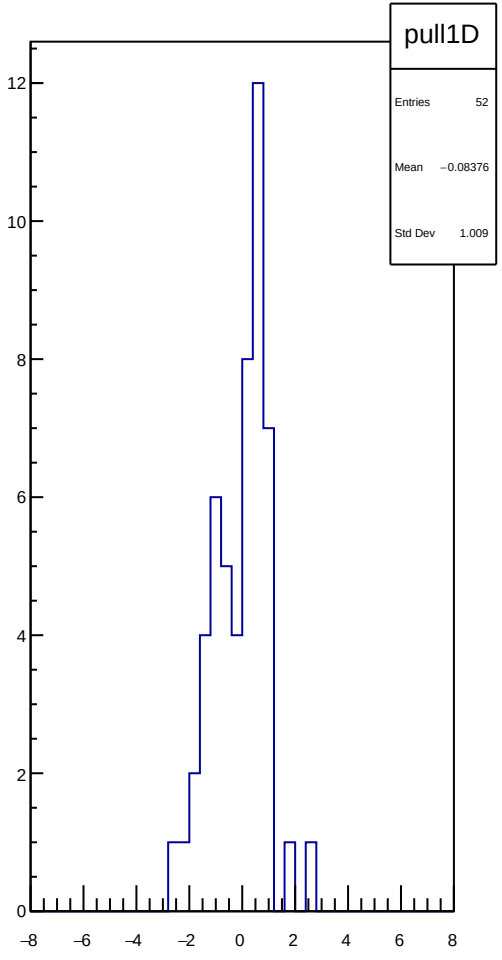

asym_sam_15_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 48.8 / 51
p0 −0.007693 ± 0.0436
pull
Entries 52
Mean 56.92
Std Dev 22.05
pull1D
Entries 52
Mean 0.01797
Std Dev 0.9686

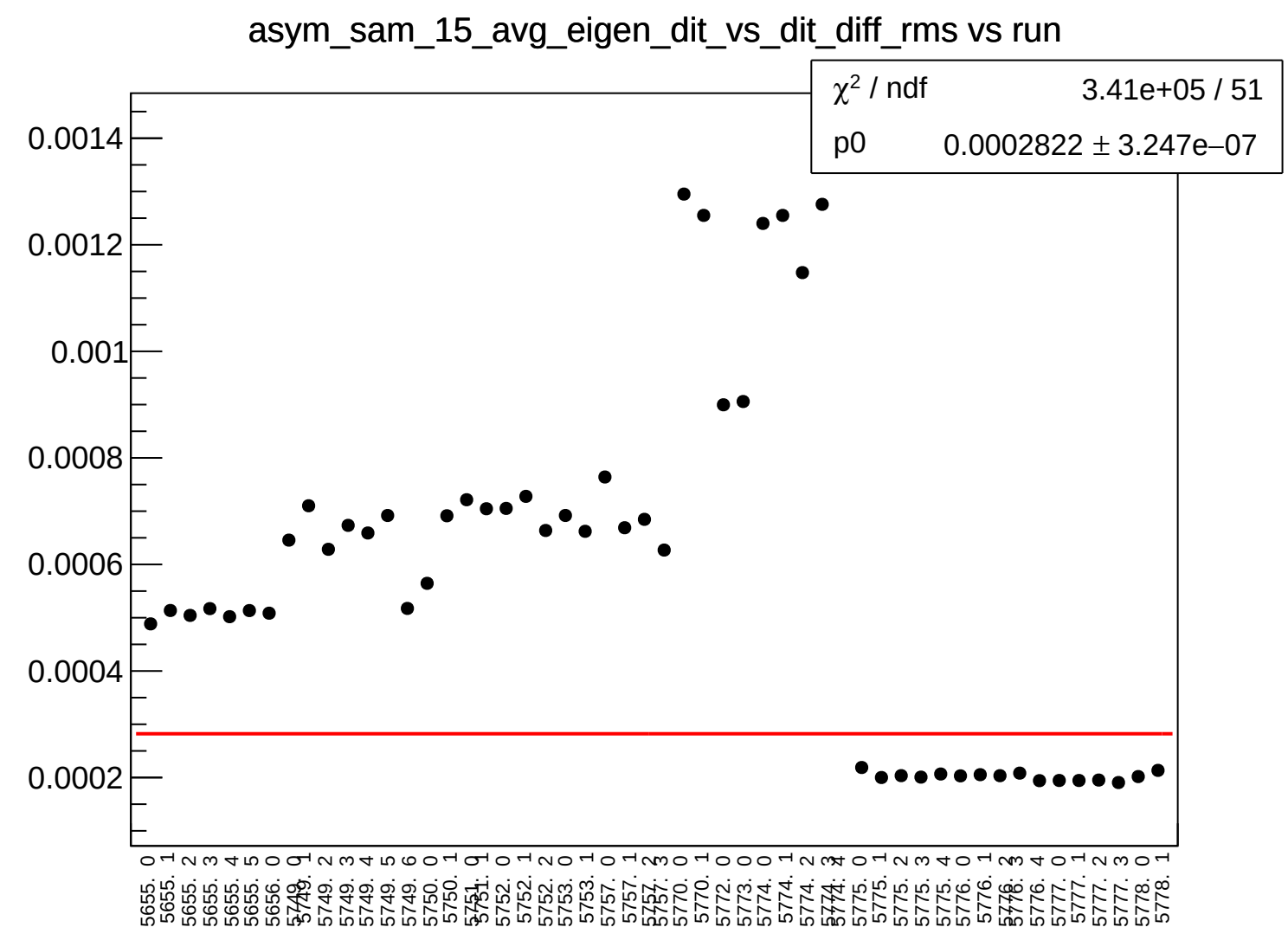

asym_sam_15_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.01e+05 / 51
p0 29.18 ± 0.03083
160
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.8 / 51
p0 −0.007693 ± 0.0436
pull
Entries 52
Mean 56.92
Std Dev 22.05
pull1D
Entries 52
Mean 0.01797
Std Dev 0.9686


asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.01e+05 / 51
p0 29.18 ± 0.03083
160
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.27 / 51
p0 1.558e−07 ± 4.592e−07
pull
Entries 52
Mean 30.48
Std Dev 0


pull1D
Entries 52
Mean −0.08376
Std Dev 1.009


asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.41e+05 / 51
p0 0.0002822 ± 3.247e−07
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
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5749. 5
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5750. 0
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5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
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5774. 1
5774. 2
5774. 3
5774. 4
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5775. 1
5775. 2
5775. 3
5775. 4
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5777. 3
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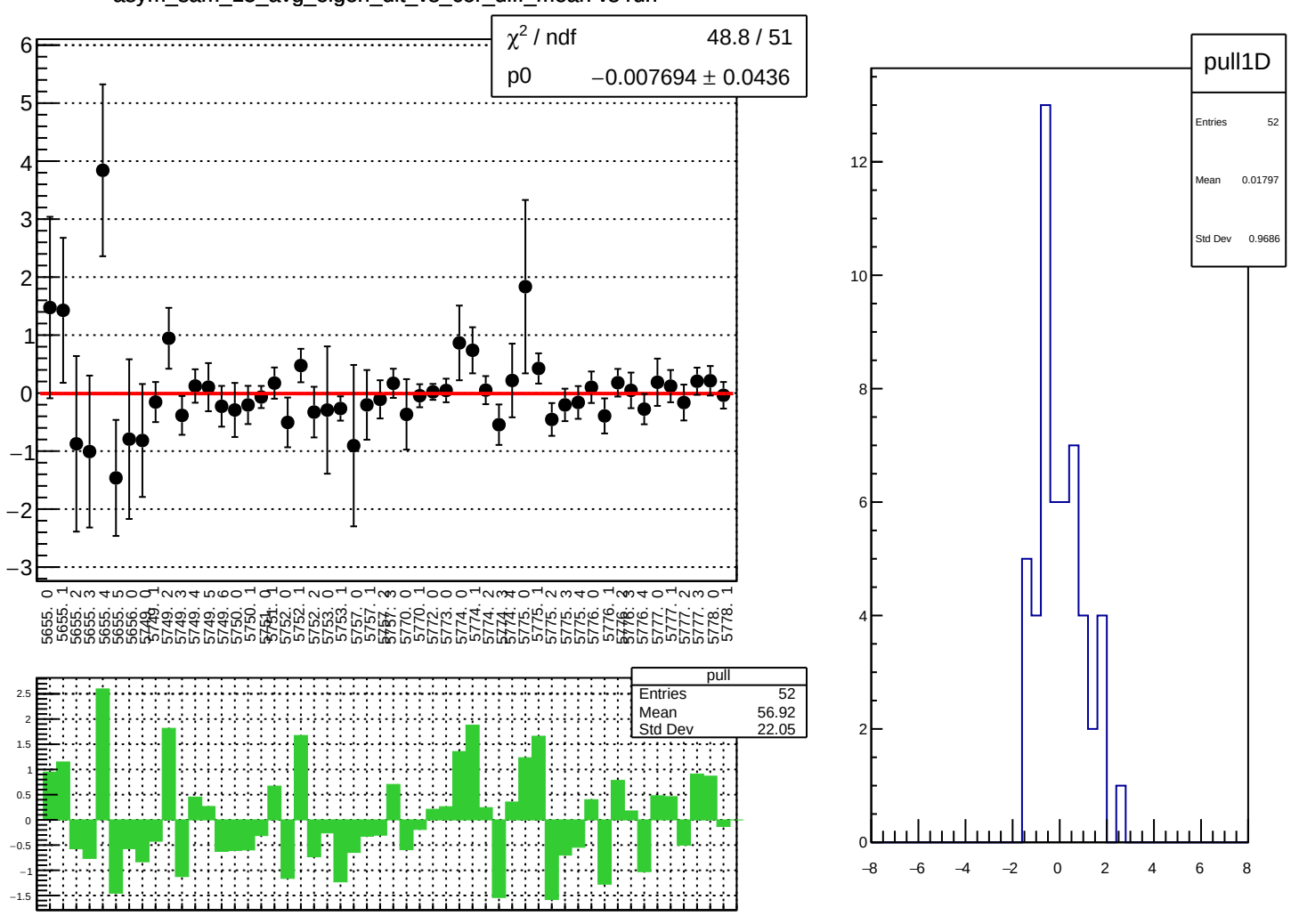
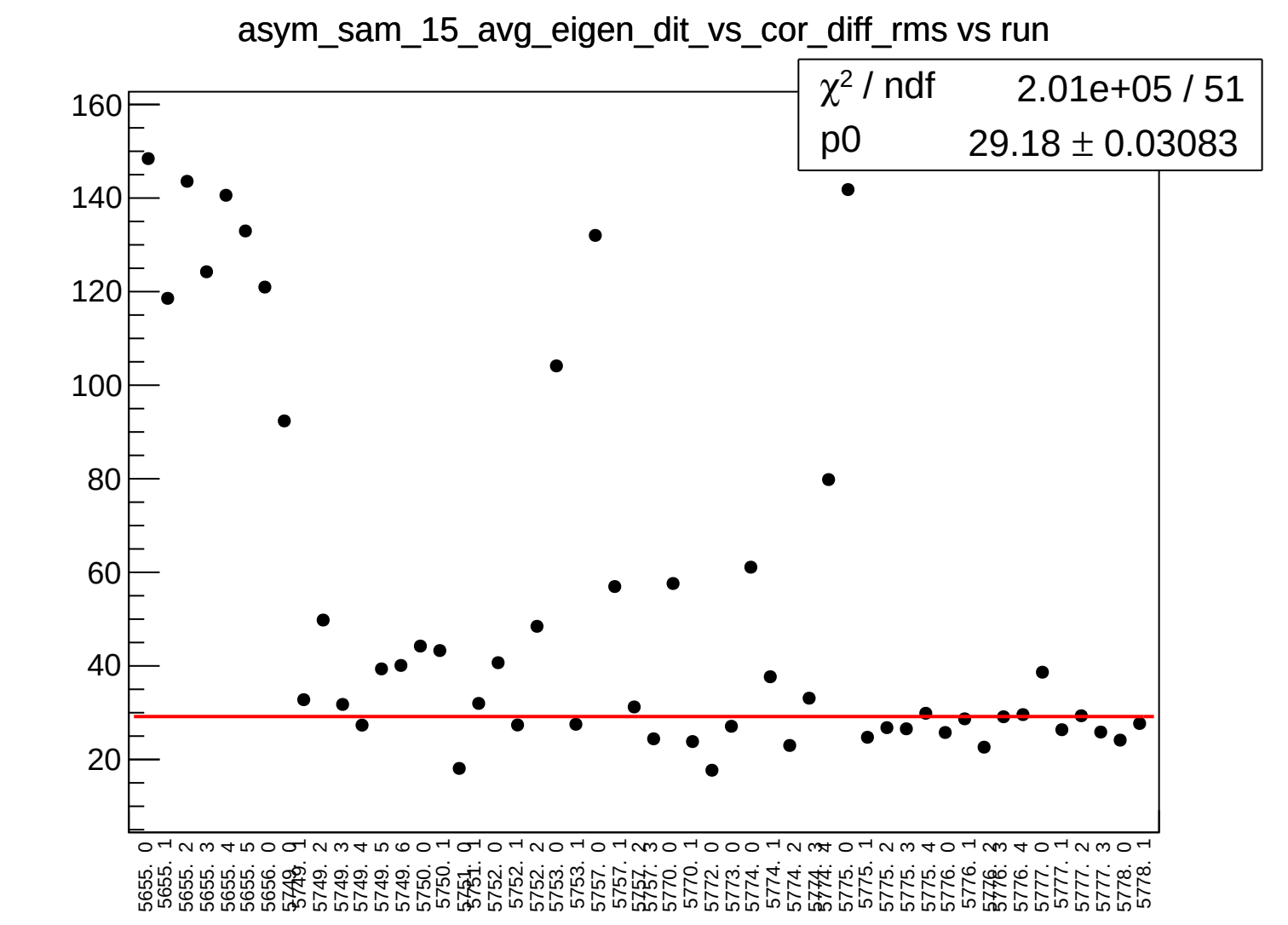

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.8 / 51
p0 −0.007694 ± 0.0436
pull
Entries 52
Mean 56.92
Std Dev 22.05
pull1D
Entries 52
Mean 0.01797
Std Dev 0.9686


asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.01e+05 / 51
p0 29.18 ± 0.03083
160
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
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5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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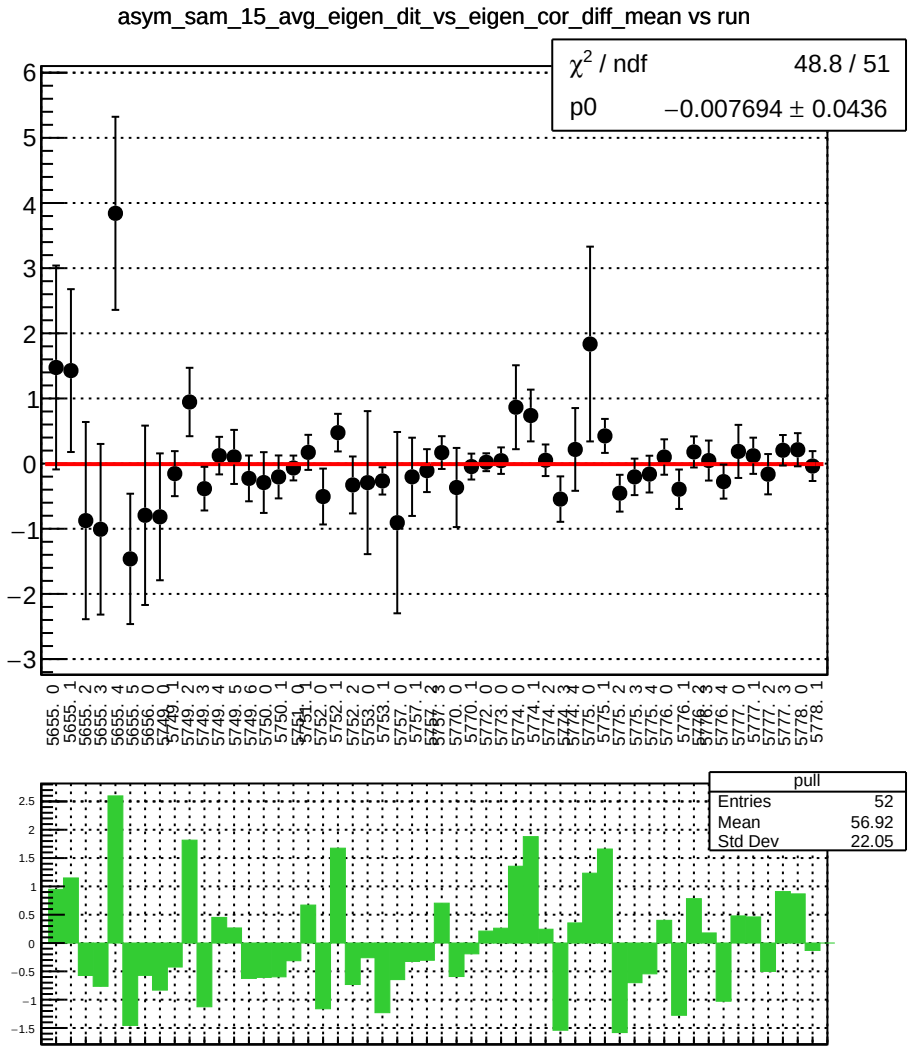
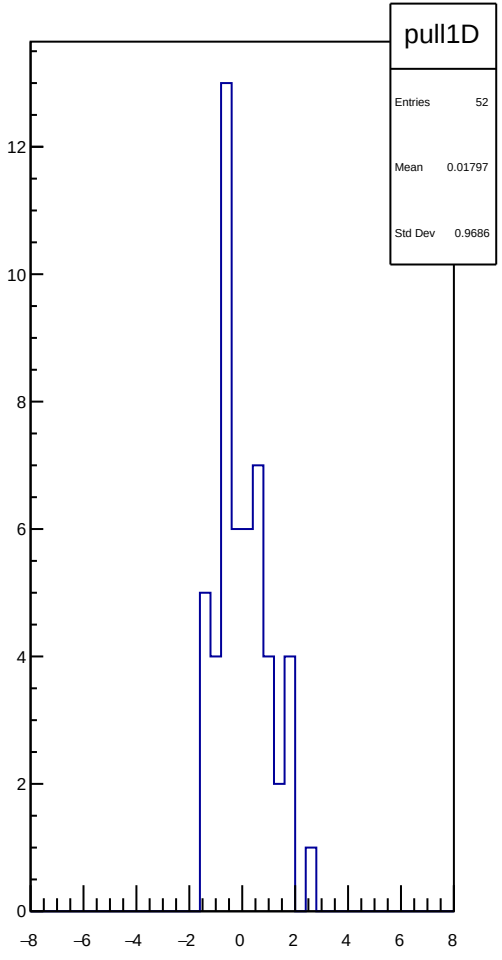
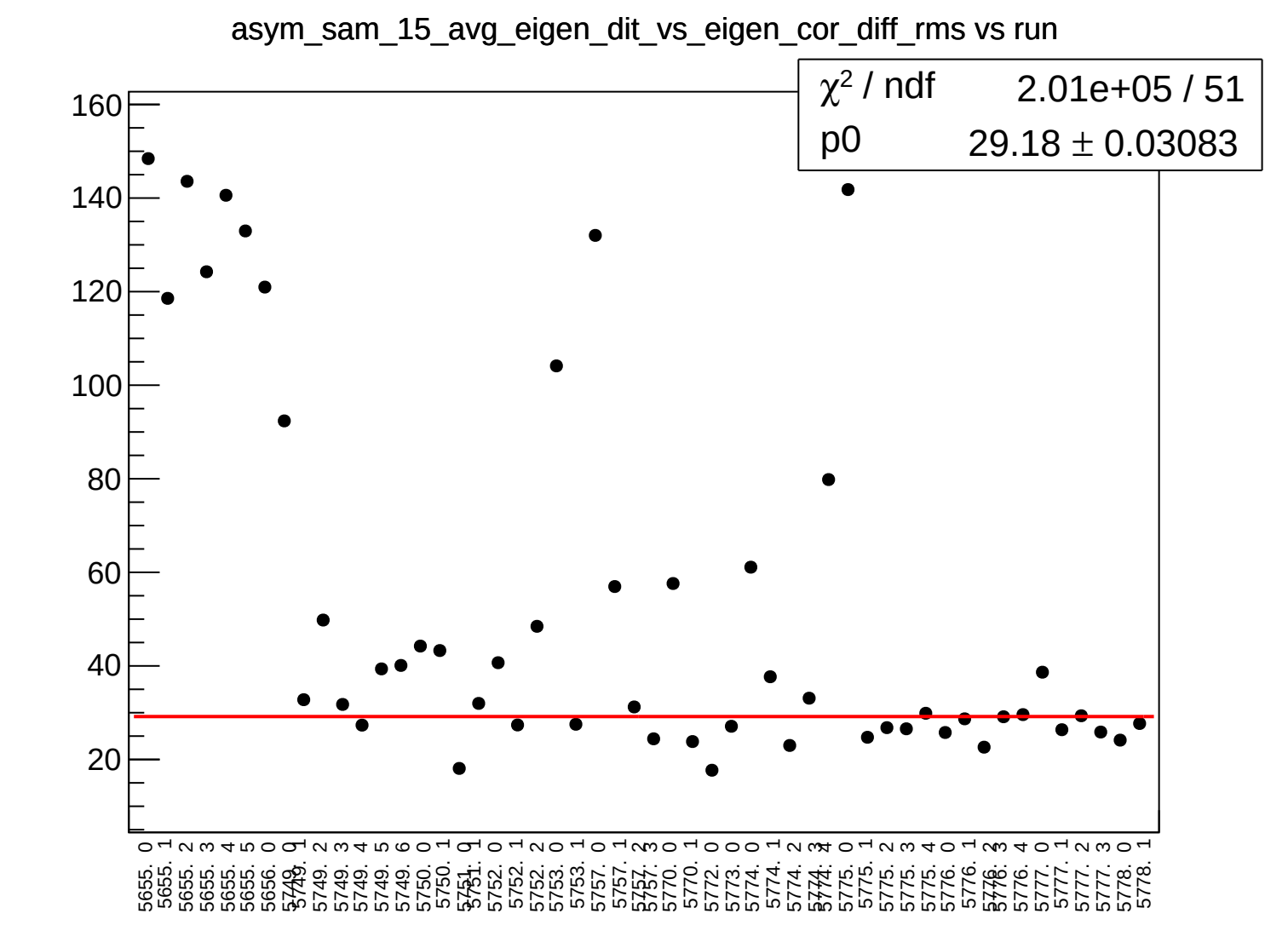
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.8 / 51
p0 −0.007694 ± 0.0436
pull
Entries 52
Mean 56.92
Std Dev 22.05


pull1D
Entries 52
Mean 0.01797
Std Dev 0.9686


asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.01e+05 / 51
p0 29.18 ± 0.03083
160
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
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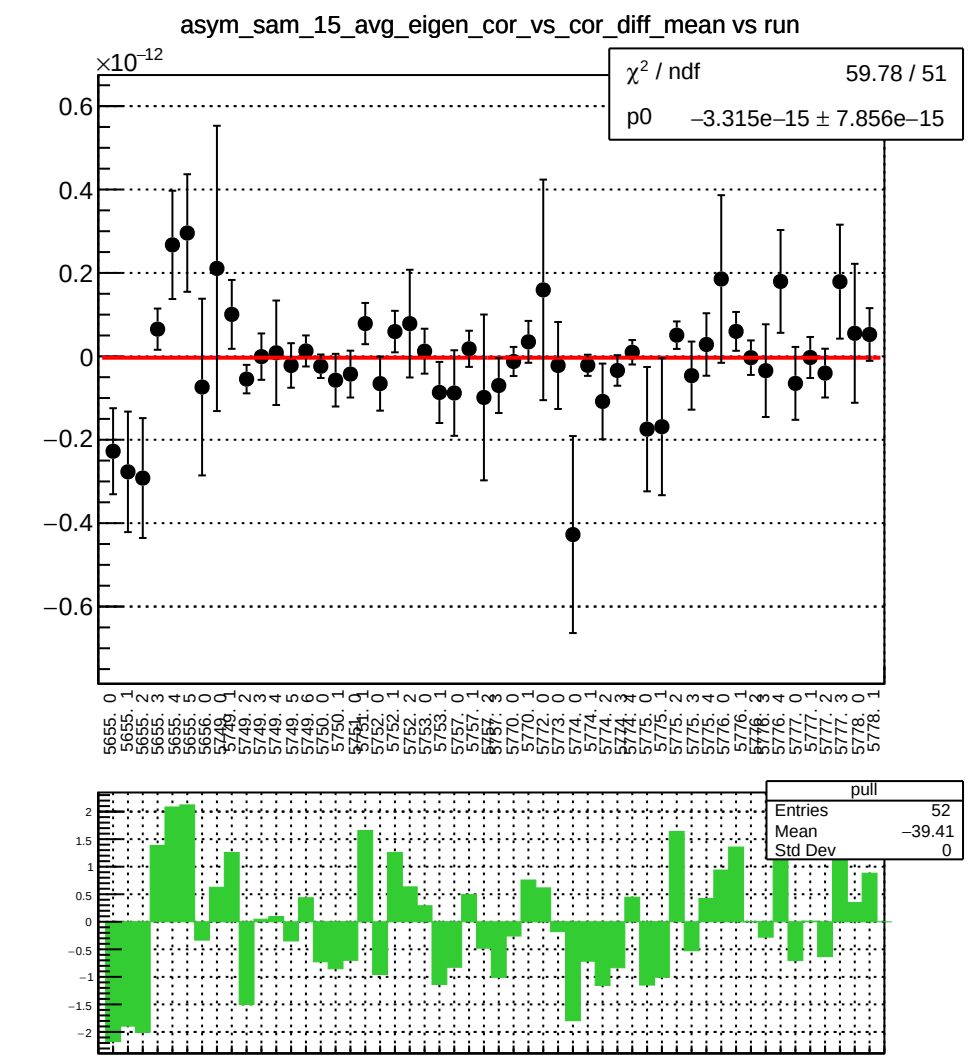
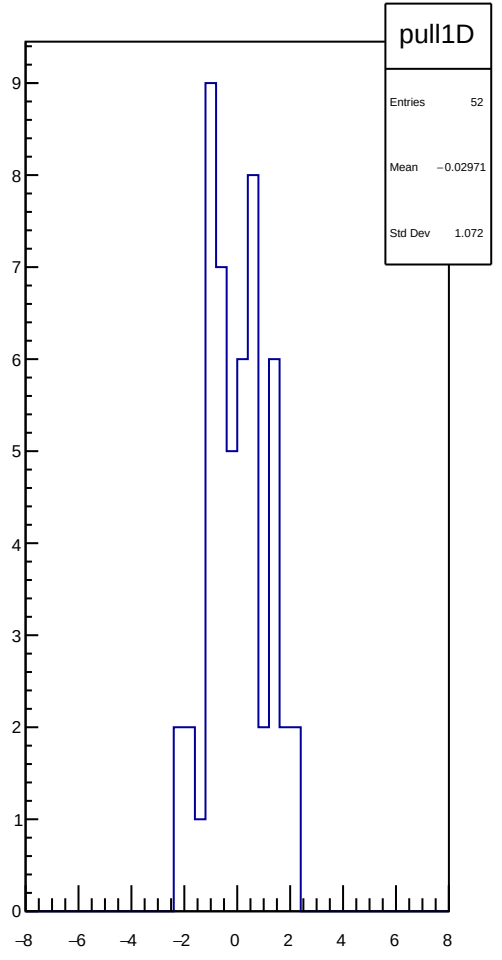
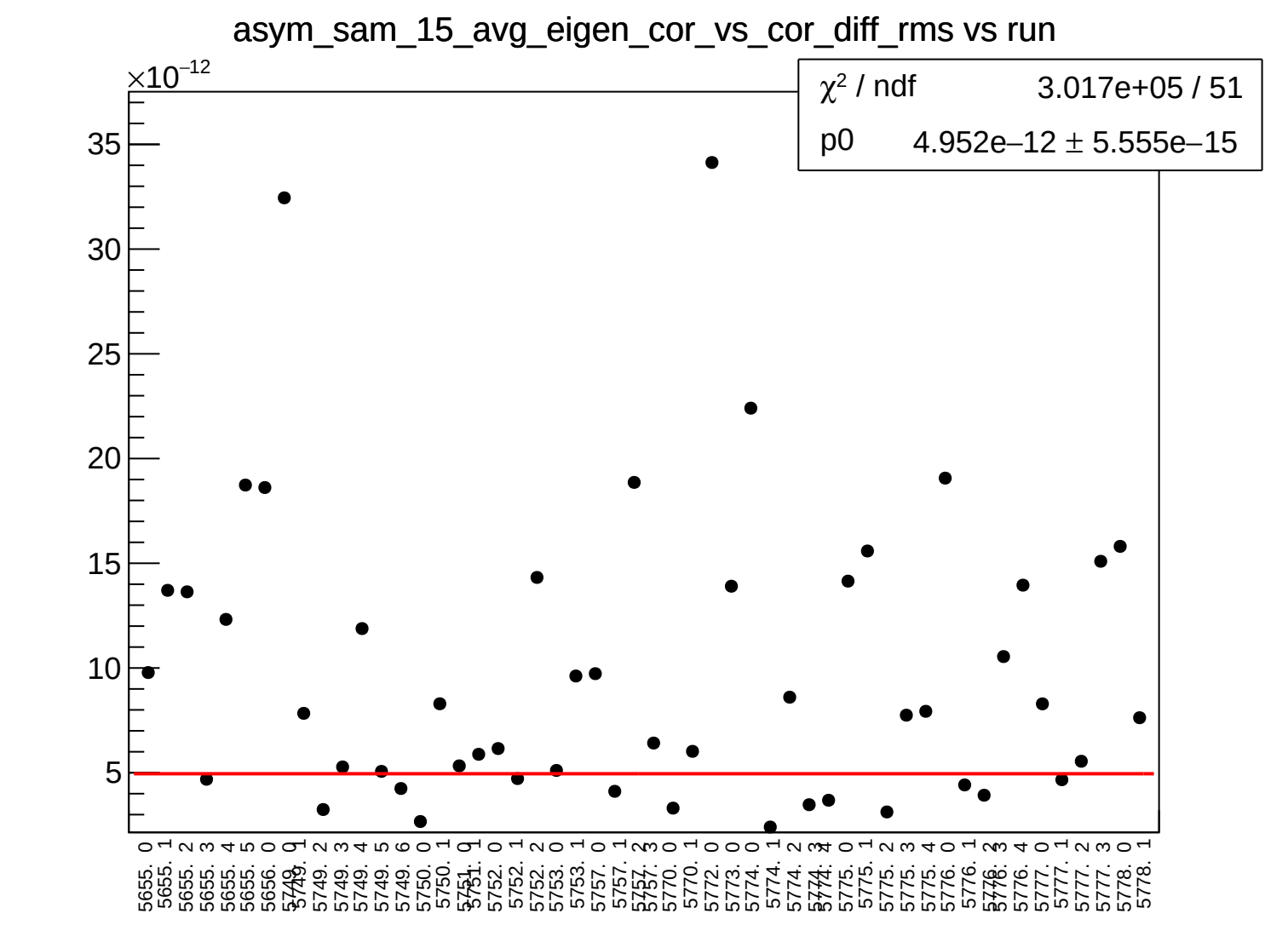
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.78 / 51
p0 −3.315e−15 ± 7.856e−15
pull
Entries 52
Mean −39.41
Std Dev 0


pull1D
Entries 52
Mean −0.02971
Std Dev 1.072


asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.017e+05 / 51
p0 4.952e−12 ± 5.555e−15
35
30
25
20
15
10
5
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
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5774. 1
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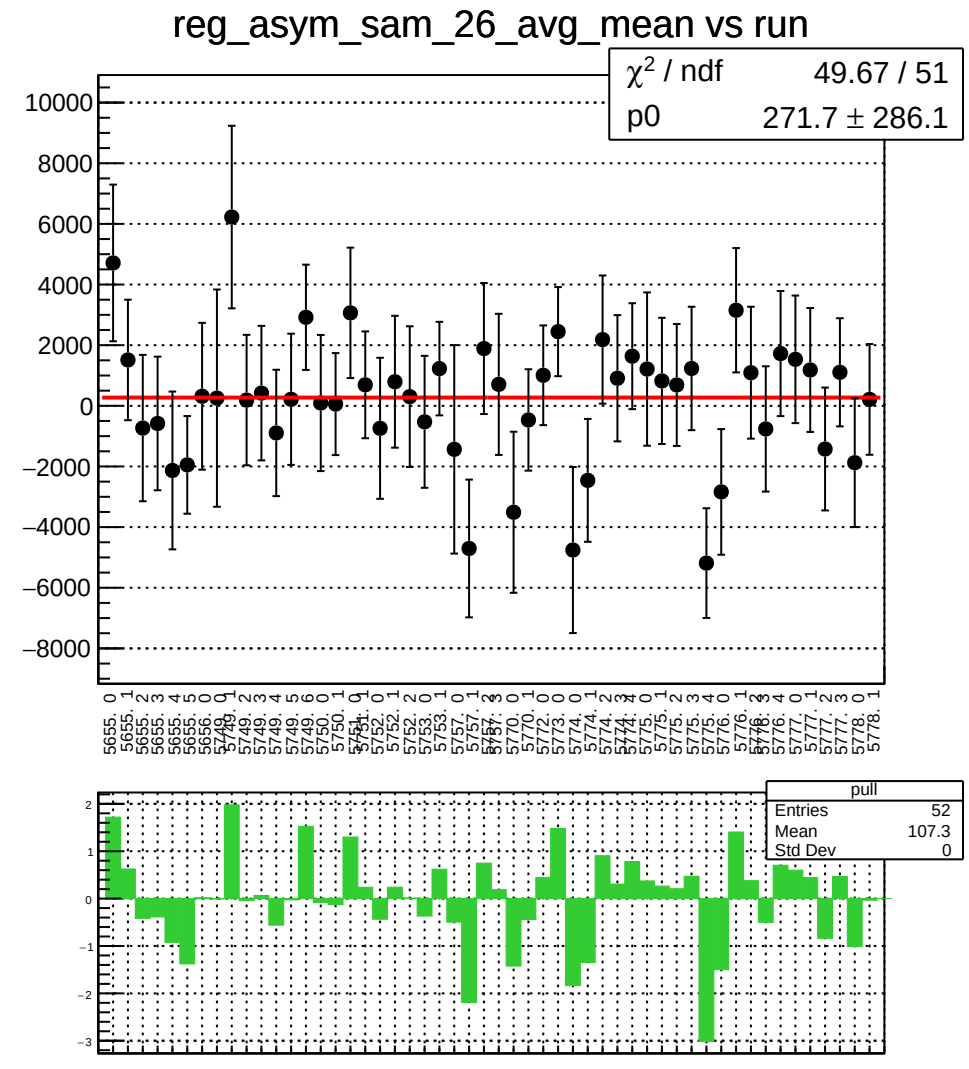
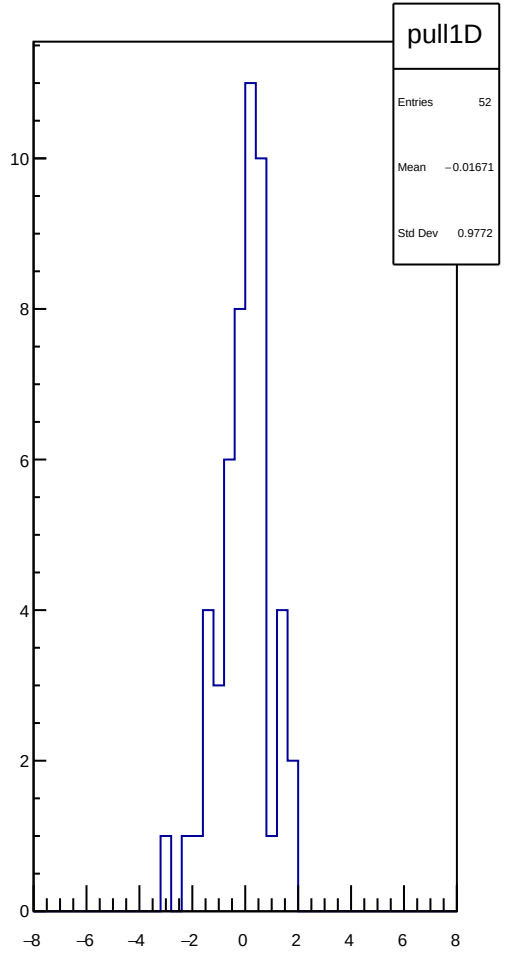
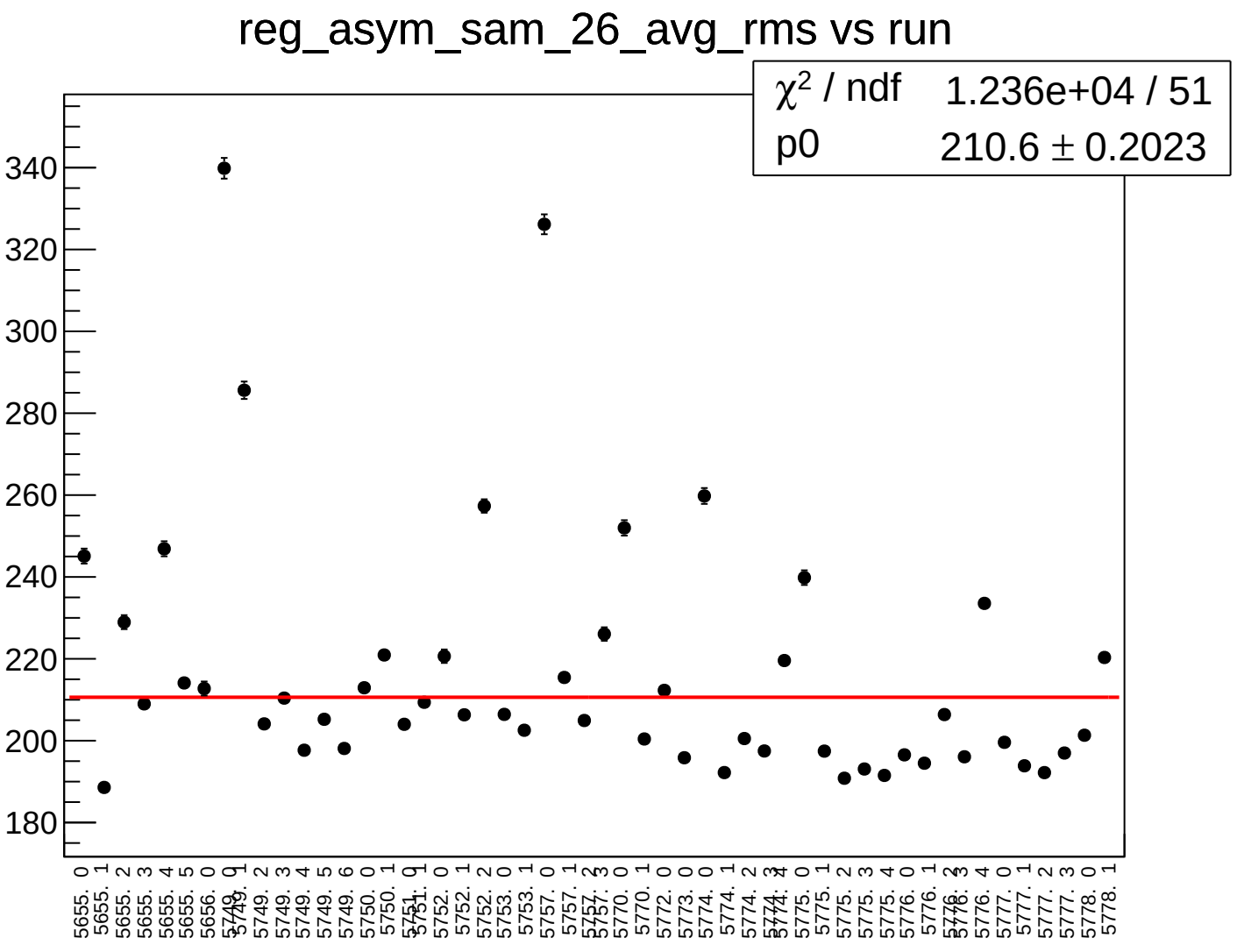
5778. 0
5778. 1


reg_asym_sam_26_avg_mean vs run
χ² / ndf 49.67 / 51
p0 271.7 ± 286.1
pull
Entries 52
Mean 107.3
Std Dev 0


pull1D
Entries 52
Mean −0.01671
Std Dev 0.9772


reg_asym_sam_26_avg_rms vs run
χ² / ndf 1.236e+04 / 51
p0 210.6 ± 0.2023
340
320
300
280
260
240
220
200
180
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5750. 0
5750. 1
5751. 0
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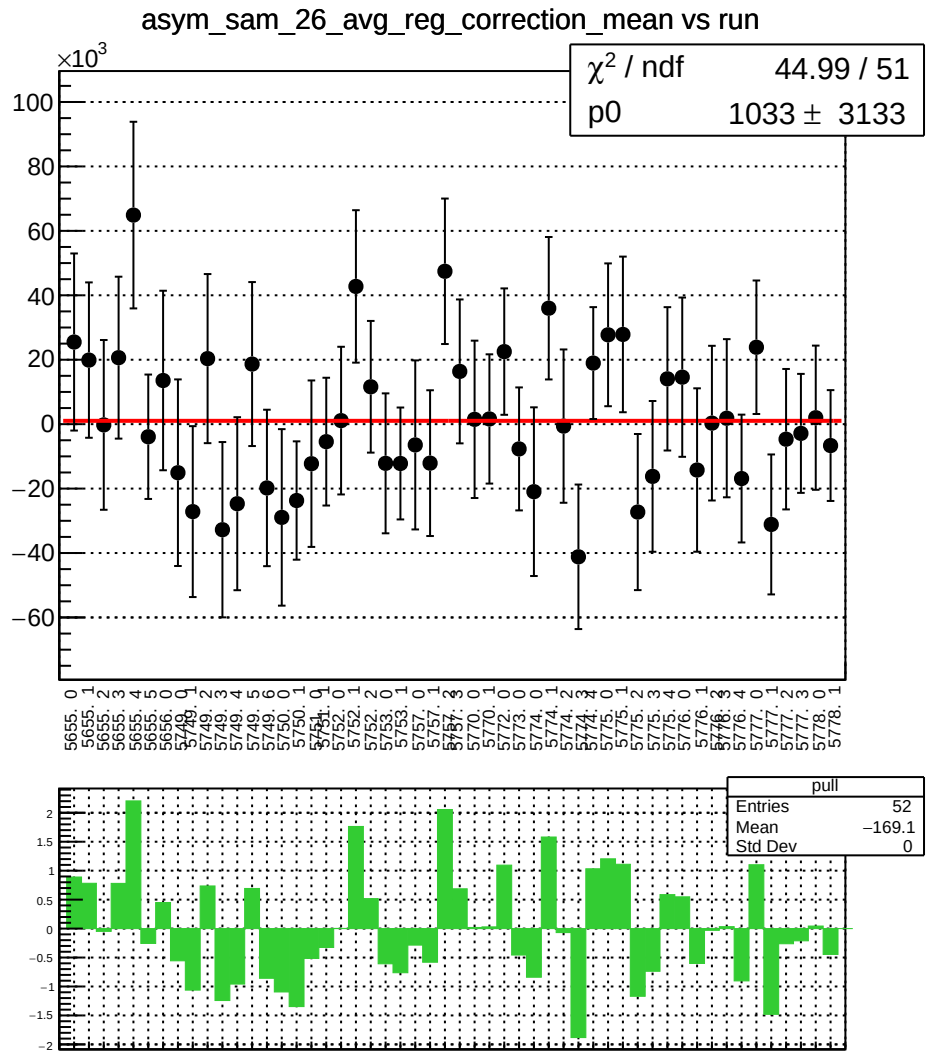
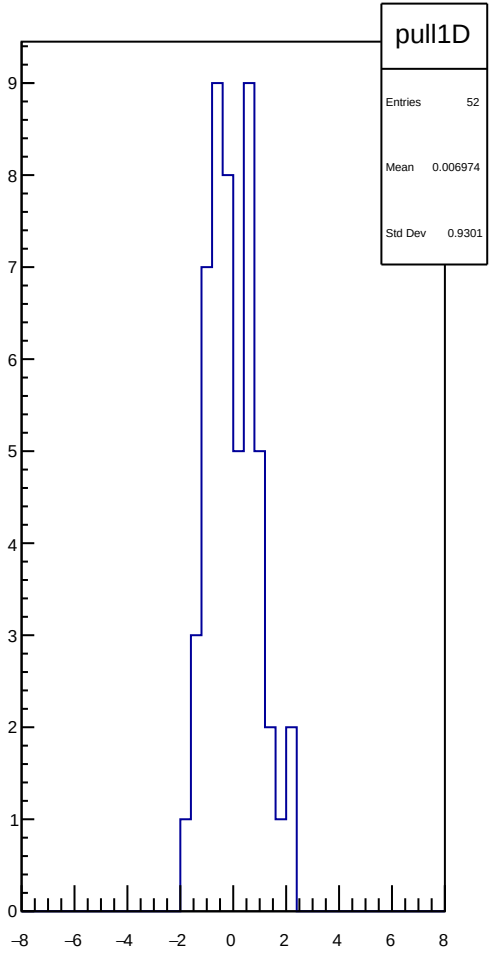
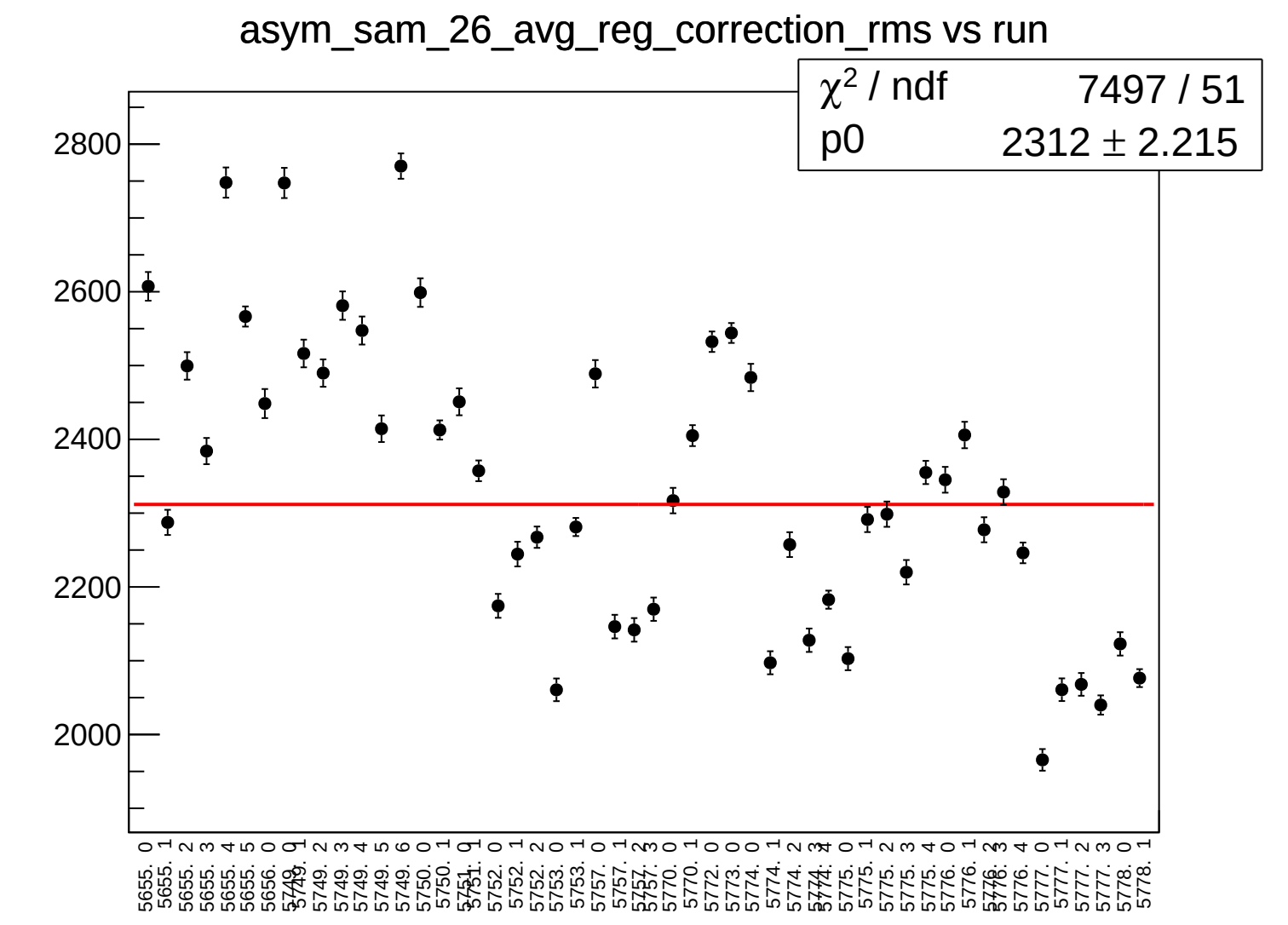

asym_sam_26_avg_reg_correction_mean vs run
×10^3
χ² / ndf 44.99 / 51
p0 1033 ± 3133
pull
Entries 52
Mean −169.1
Std Dev 0


pull1D
Entries 52
Mean 0.006974
Std Dev 0.9301


asym_sam_26_avg_reg_correction_rms vs run
χ² / ndf 7497 / 51
p0 2312 ± 2.215
2800
2600
2400
2200
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
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5753. 1
5757. 0
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5757. 2
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5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
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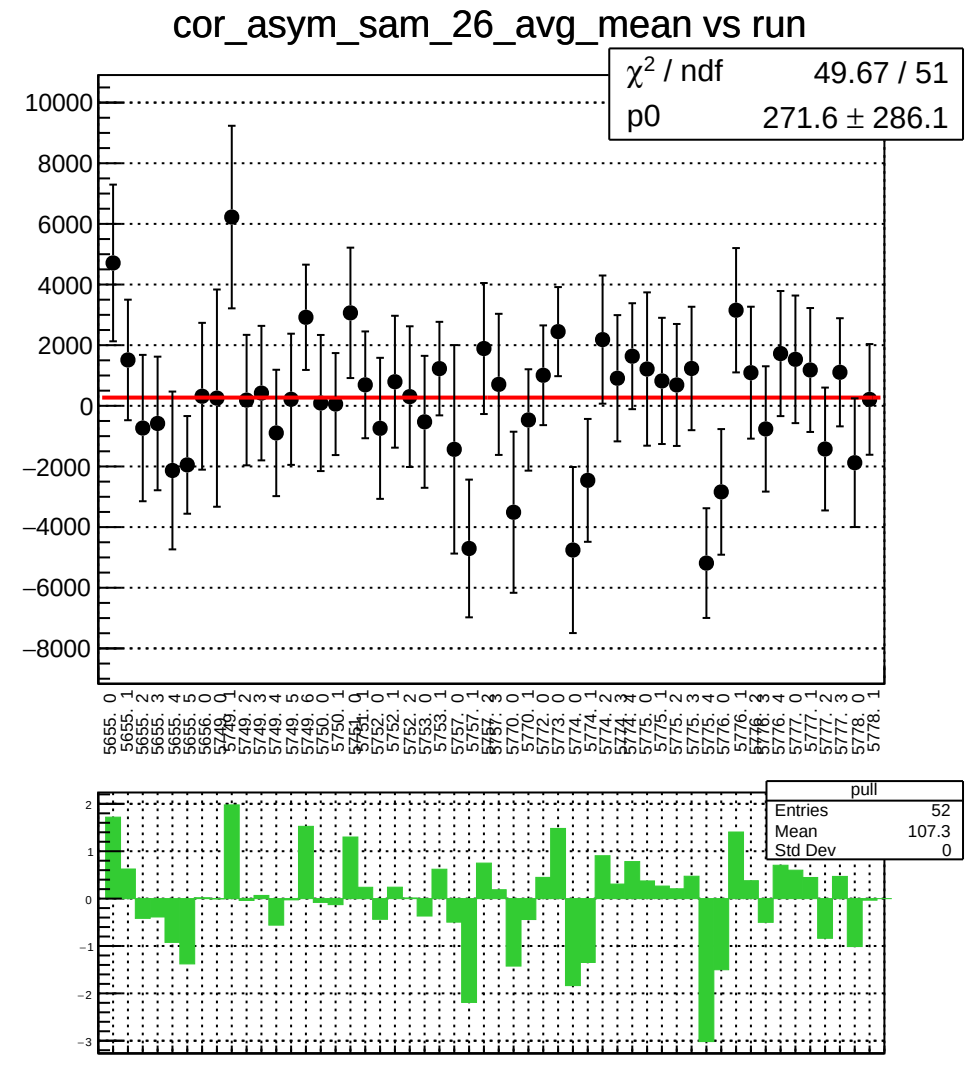
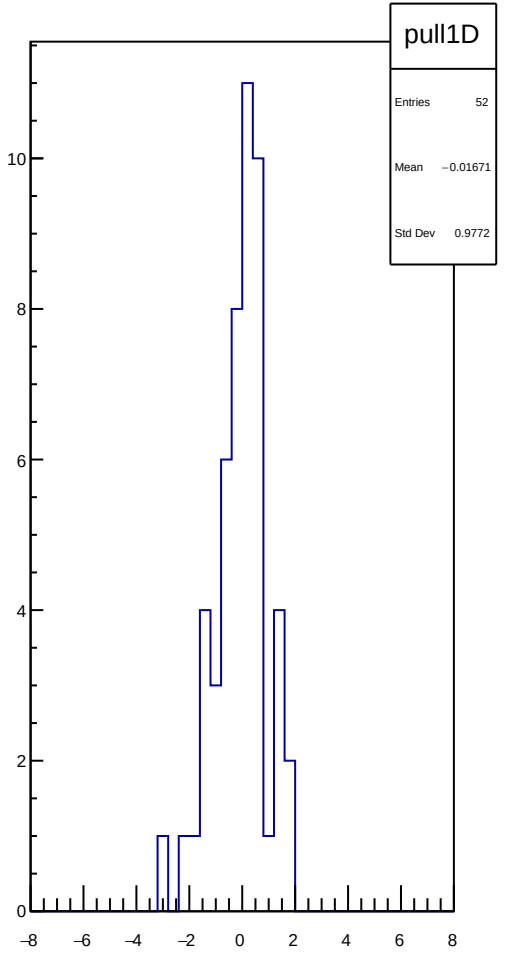
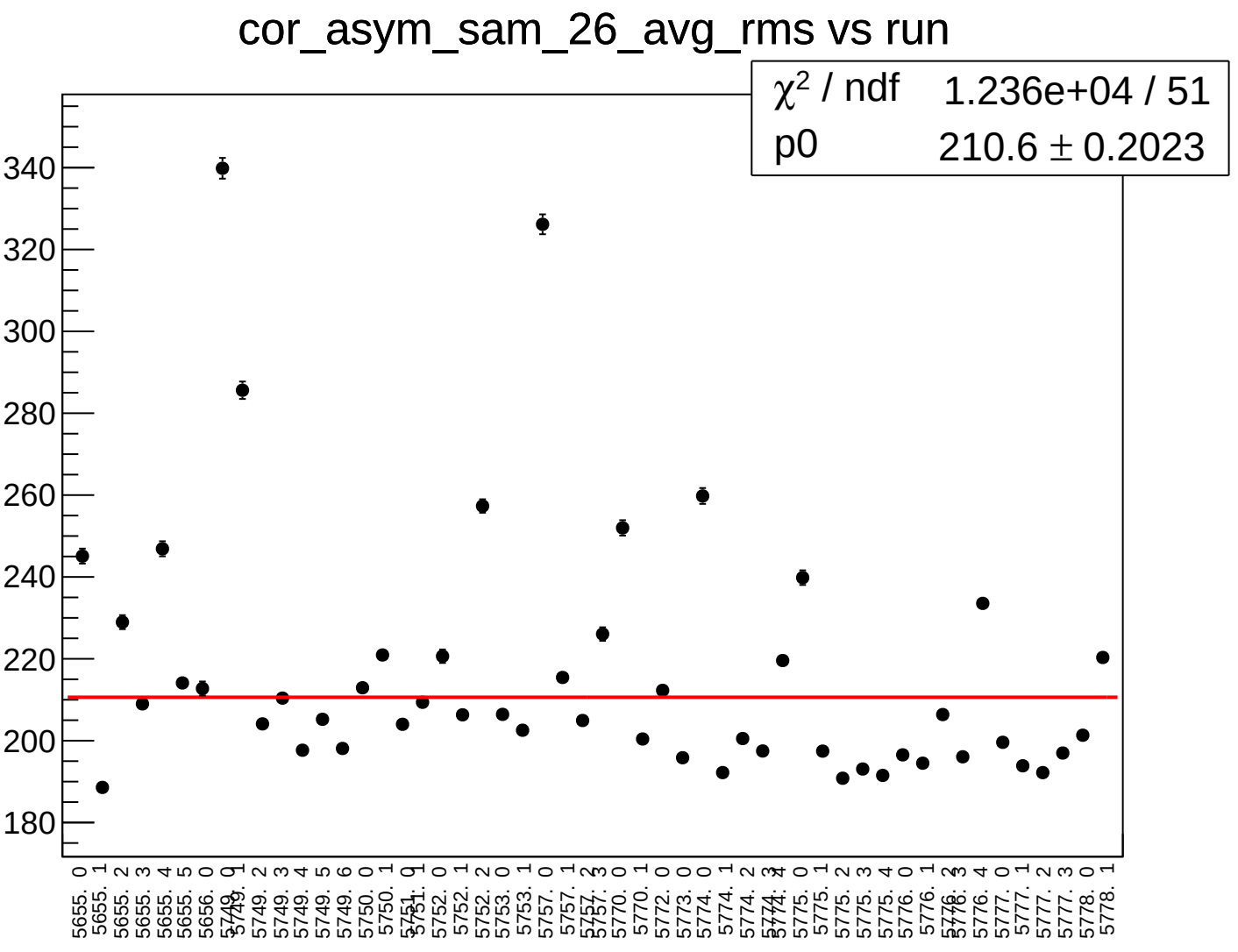

cor_asym_sam_26_avg_mean vs run
χ² / ndf 49.67 / 51
p0 271.6 ± 286.1
pull
Entries 52
Mean 107.3
Std Dev 0


pull1D
Entries 52
Mean −0.01671
Std Dev 0.9772


cor_asym_sam_26_avg_rms vs run
χ² / ndf 1.236e+04 / 51
p0 210.6 ± 0.2023
340
320
300
280
260
240
220
200
180
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
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5753. 1
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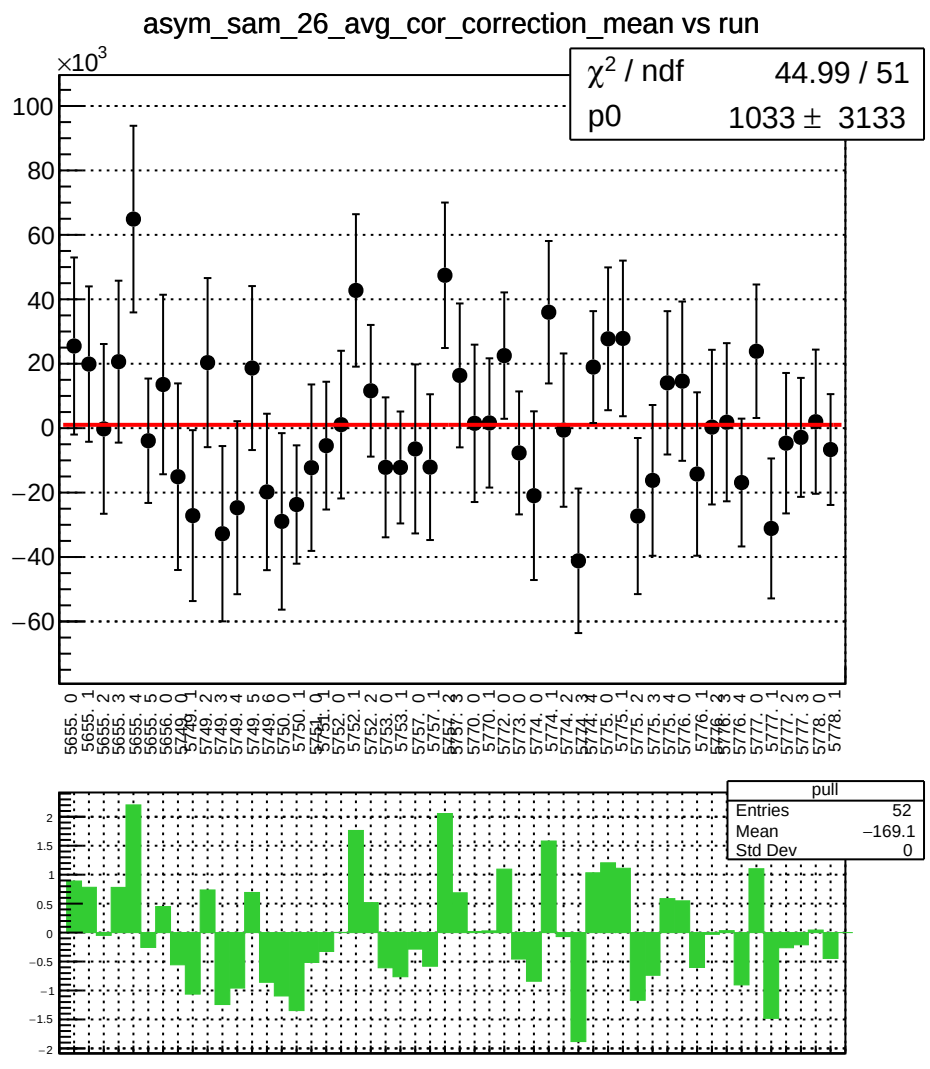
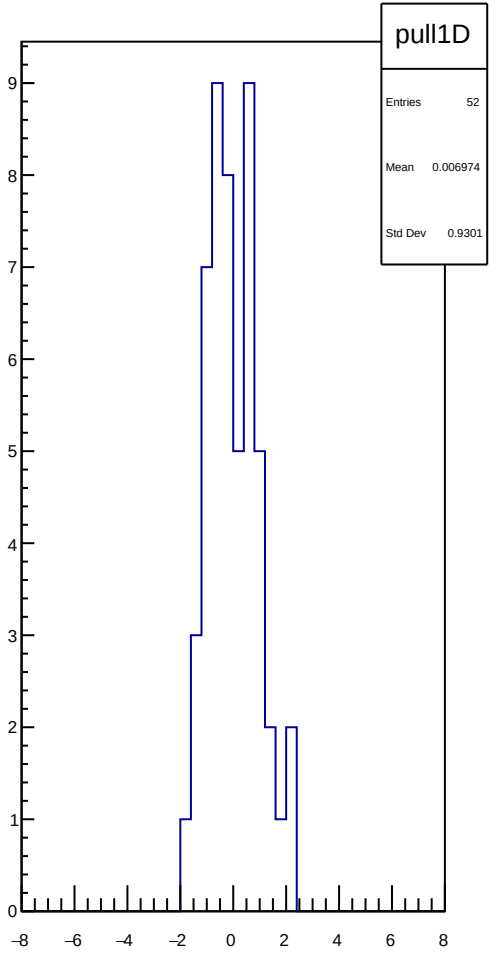
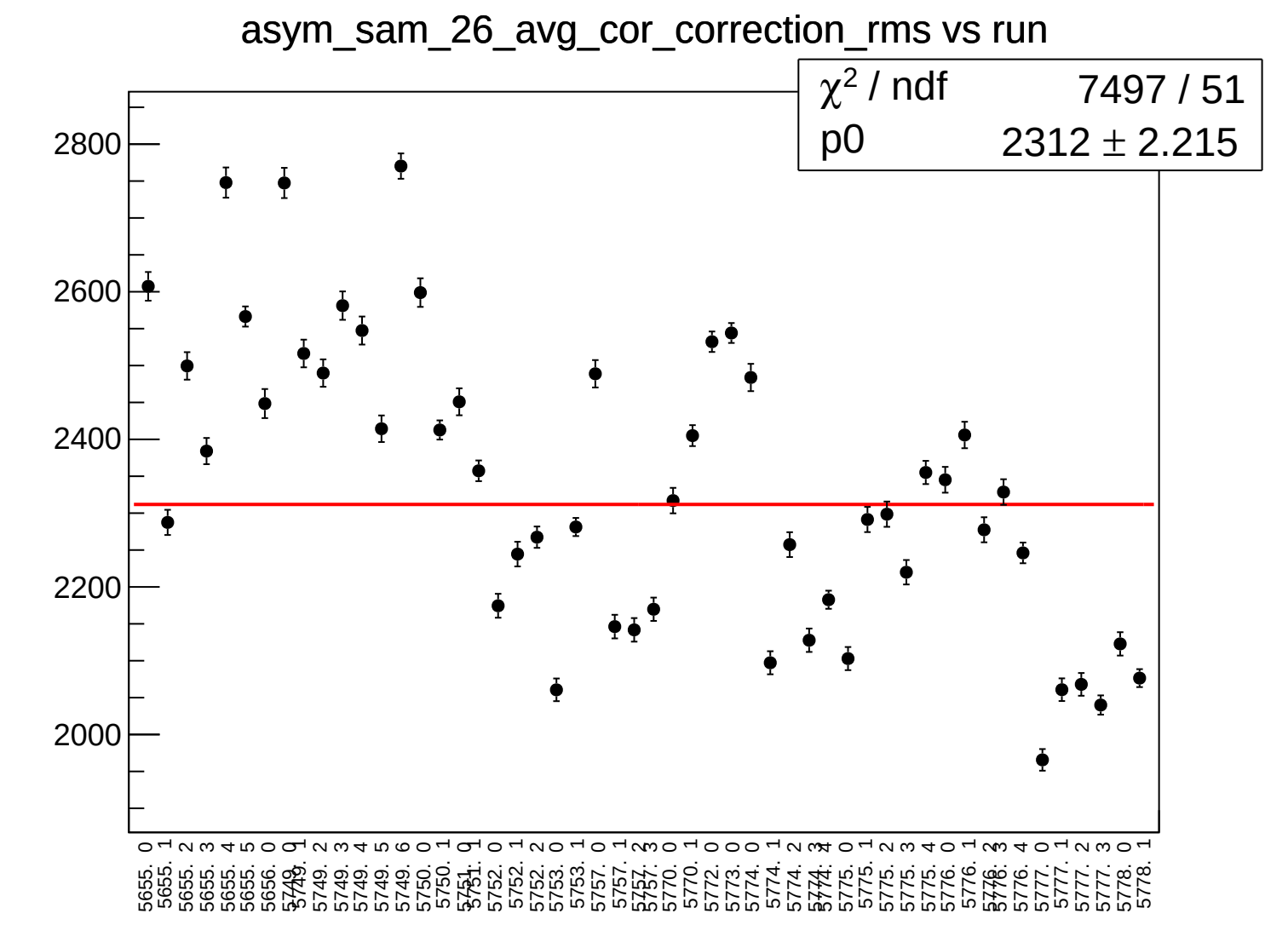

asym_sam_26_avg_cor_correction_mean vs run
×10^3
χ² / ndf 44.99 / 51
p0 1033 ± 3133
pull
Entries 52
Mean −169.1
Std Dev 0


pull1D
Entries 52
Mean 0.006974
Std Dev 0.9301


asym_sam_26_avg_cor_correction_rms vs run
χ² / ndf 7497 / 51
p0 2312 ± 2.215
2800
2600
2400
2200
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
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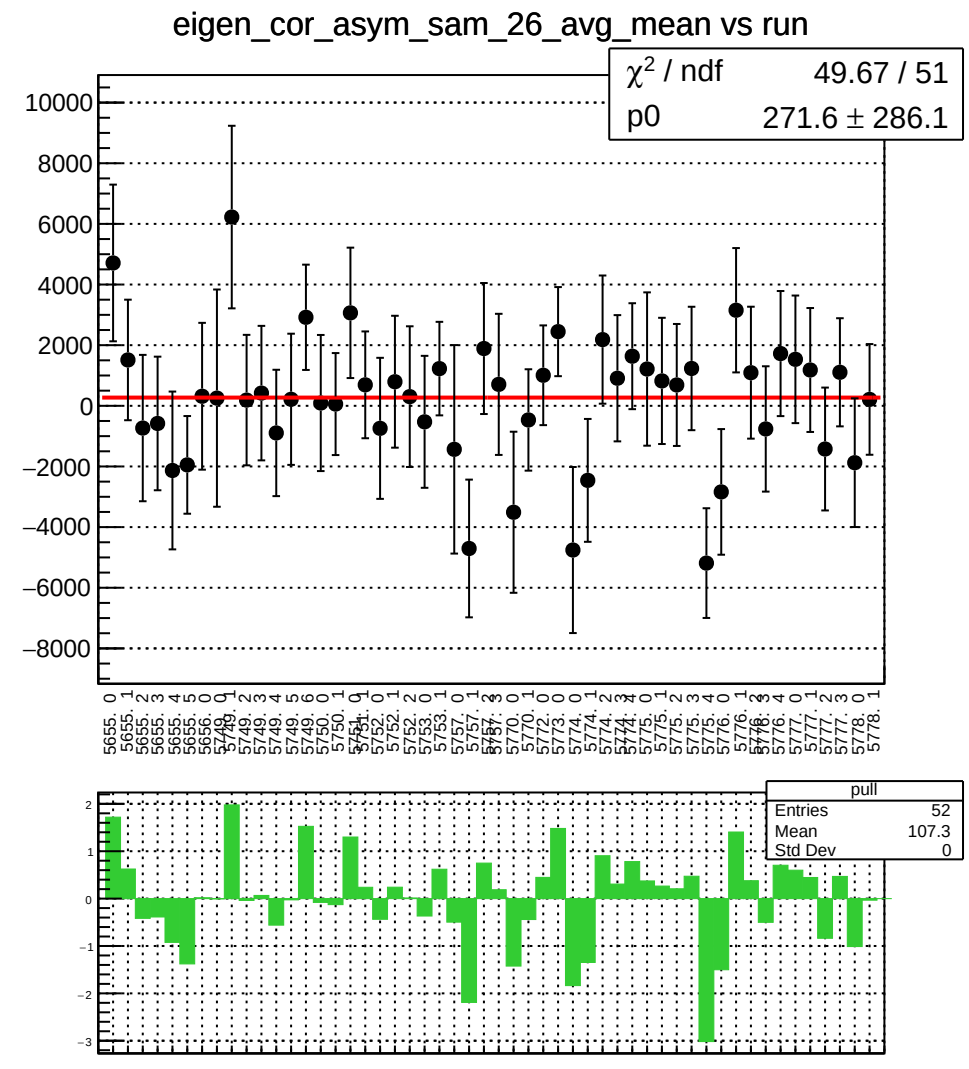
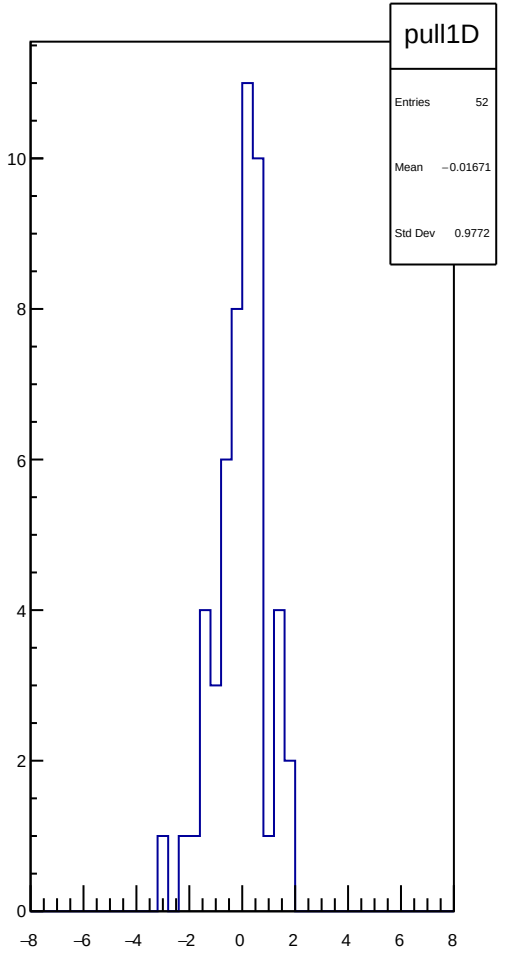
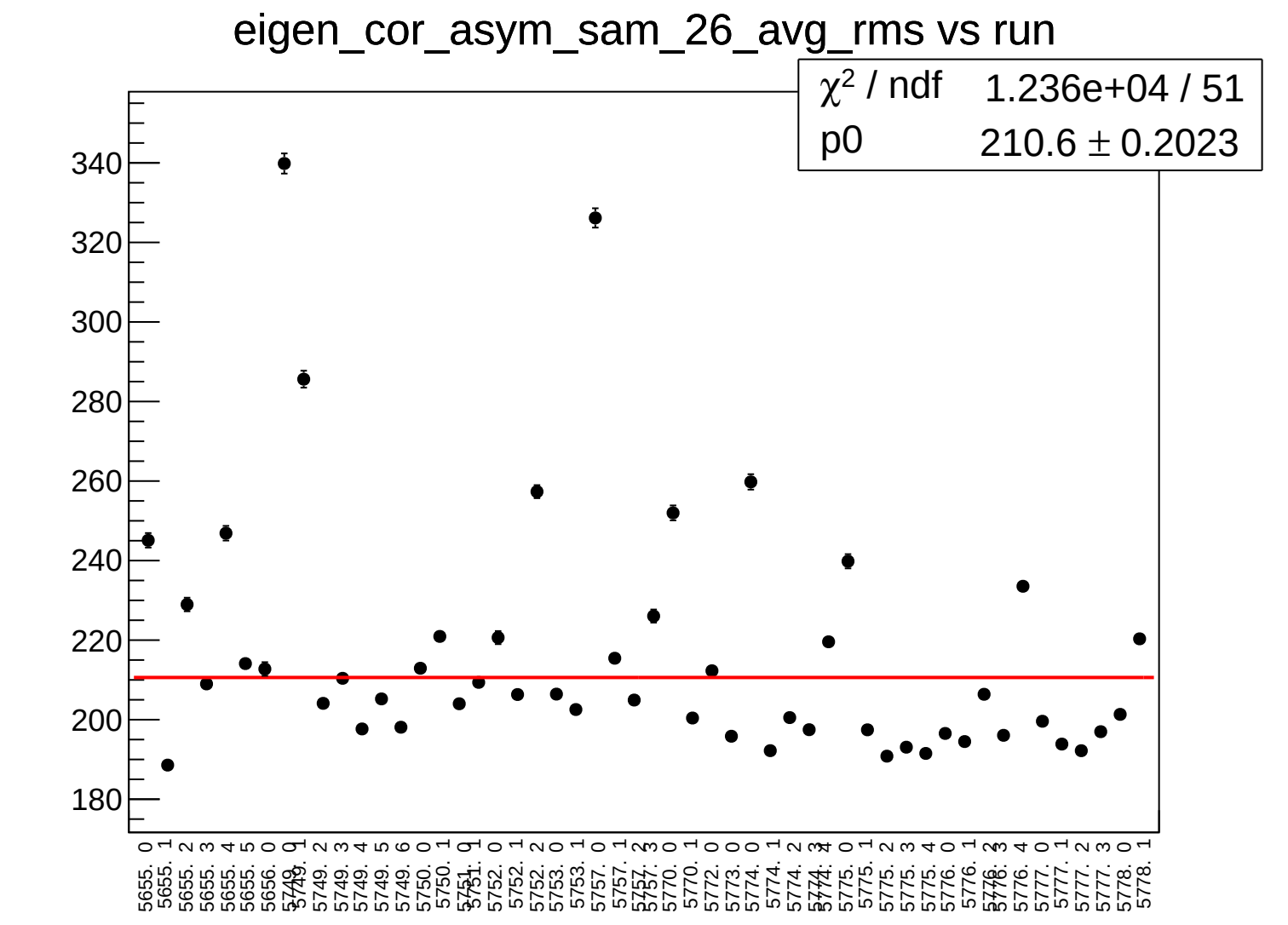

eigen_cor_asym_sam_26_avg_mean vs run
χ² / ndf 49.67 / 51
p0 271.6 ± 286.1
pull
Entries 52
Mean 107.3
Std Dev 0


pull1D
Entries 52
Mean −0.01671
Std Dev 0.9772


eigen_cor_asym_sam_26_avg_rms vs run
χ² / ndf 1.236e+04 / 51
p0 210.6 ± 0.2023
340
320
300
280
260
240
220
200
180
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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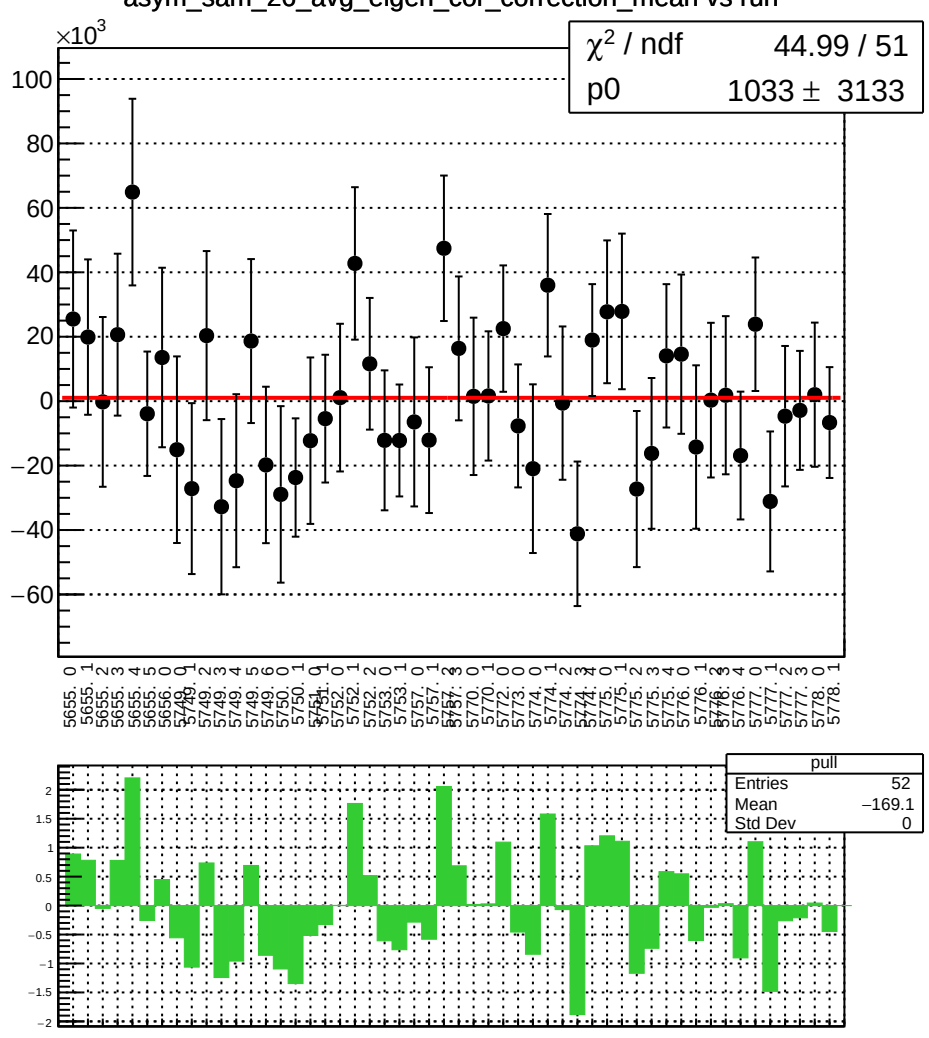
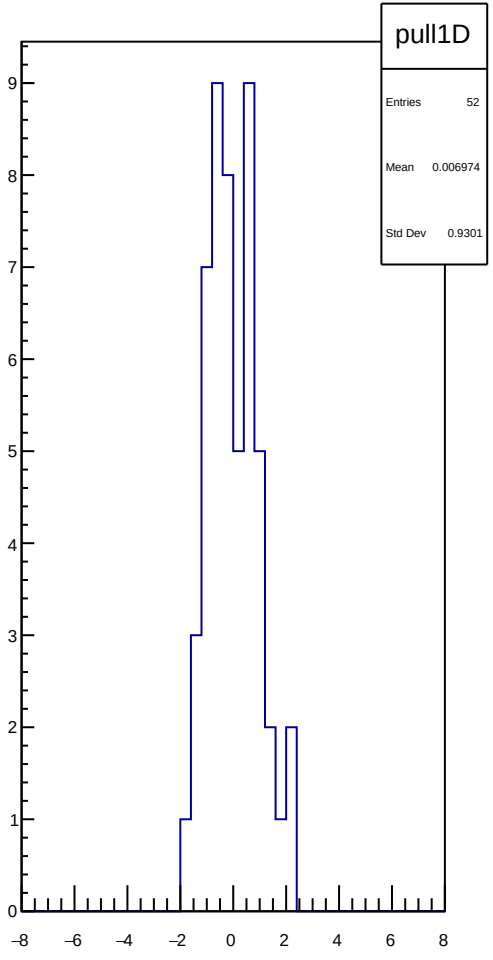
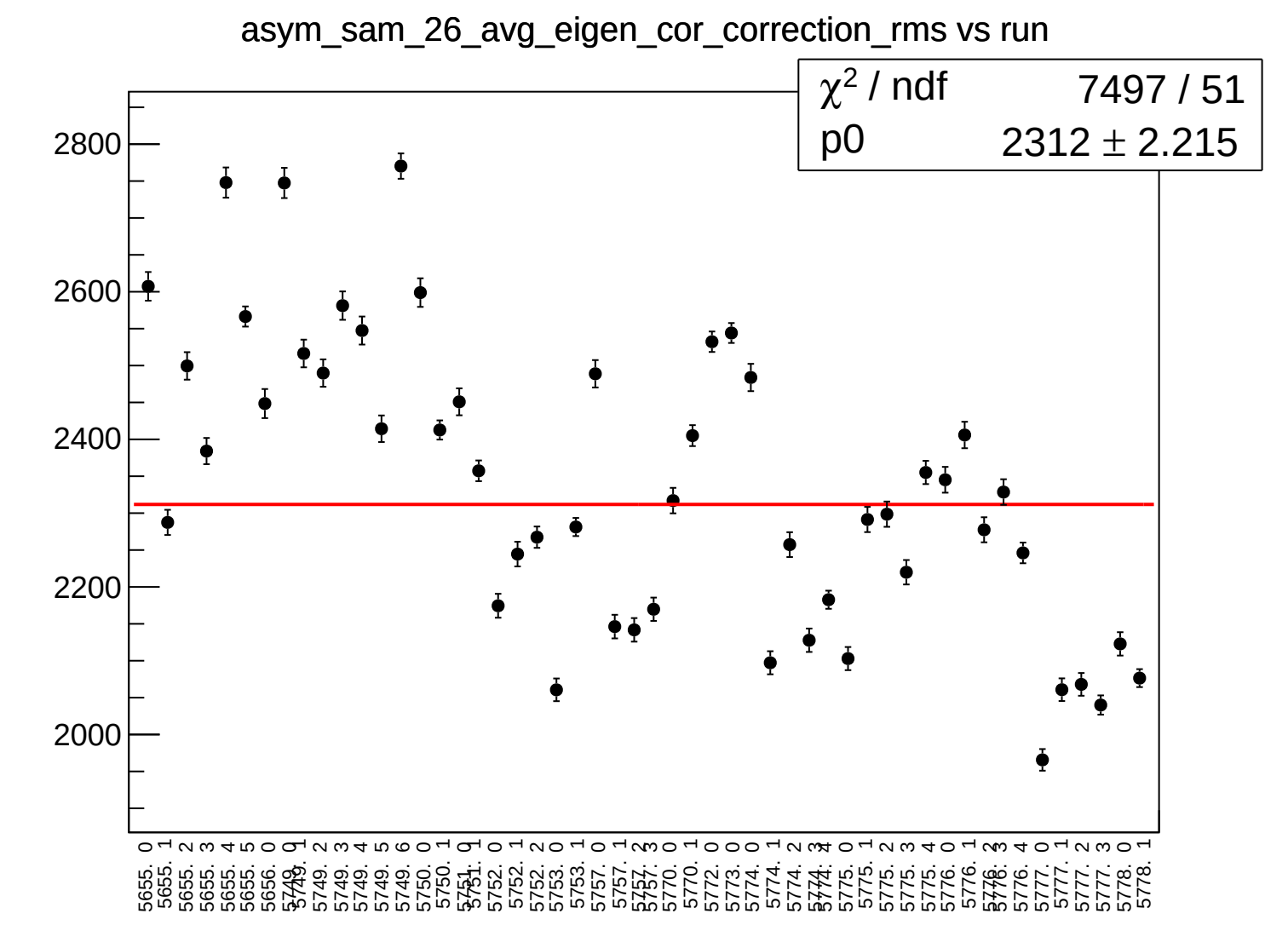

asym_sam_26_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 44.99 / 51
p0 1033 ± 3133
pull
Entries 52
Mean −169.1
Std Dev 0


pull1D
Entries 52
Mean 0.006974
Std Dev 0.9301


asym_sam_26_avg_eigen_cor_correction_rms vs run
χ² / ndf 7497 / 51
p0 2312 ± 2.215
2800
2600
2400
2200
2000
5655. 0
5655. 1
5655. 2
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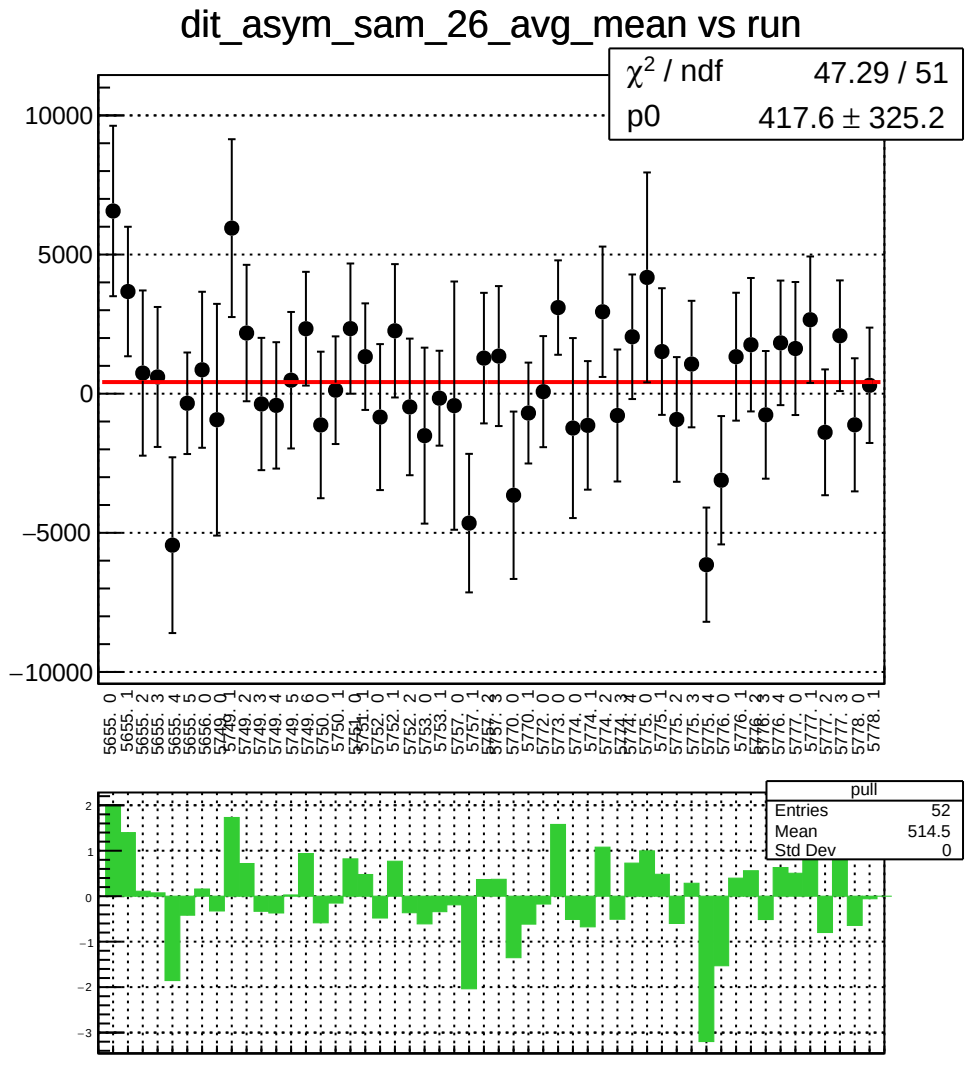
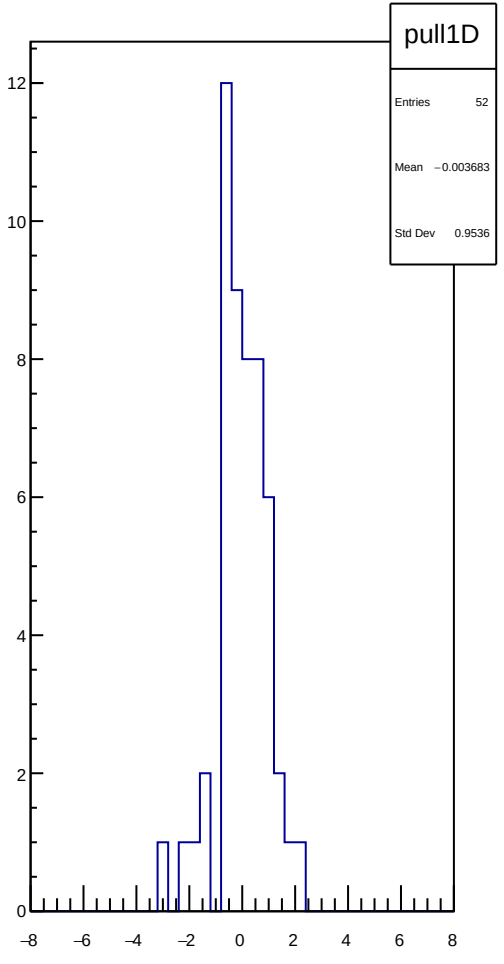
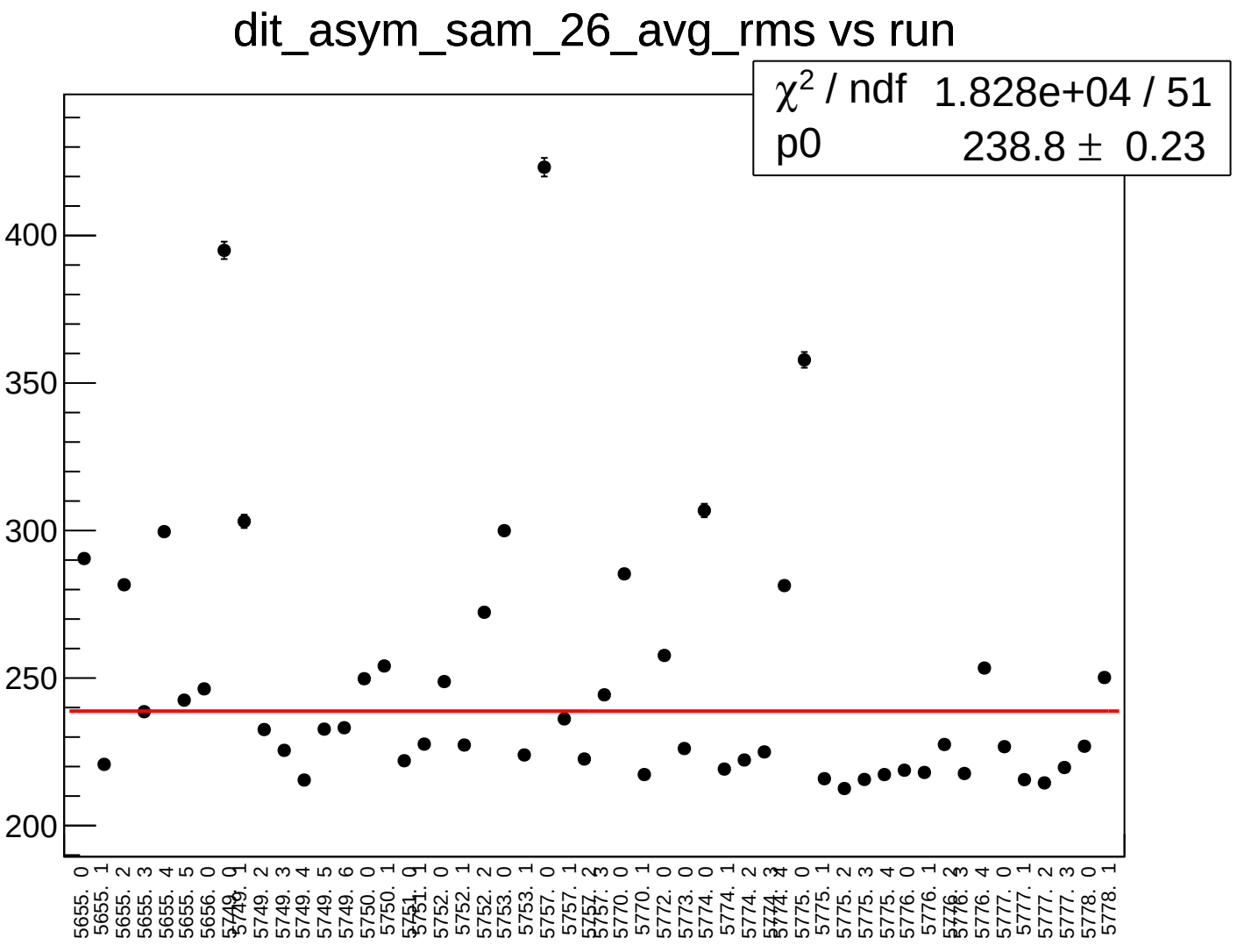
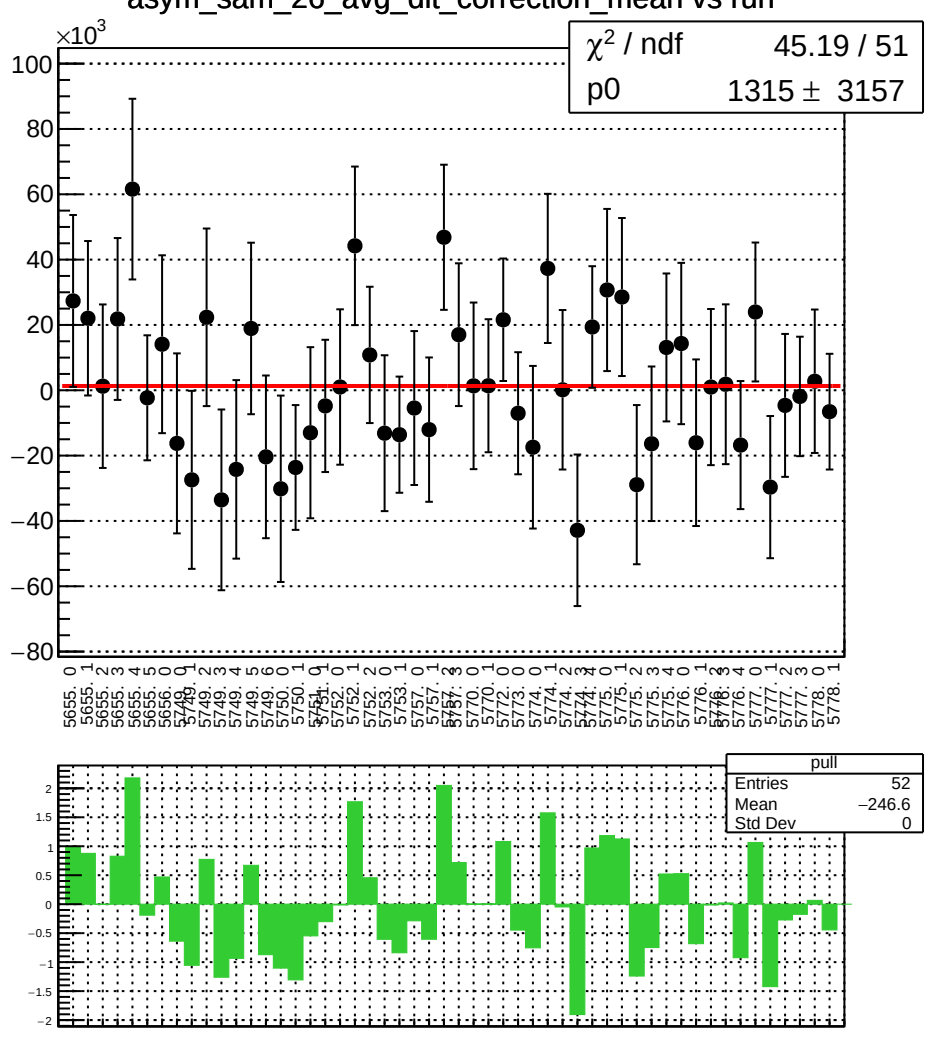
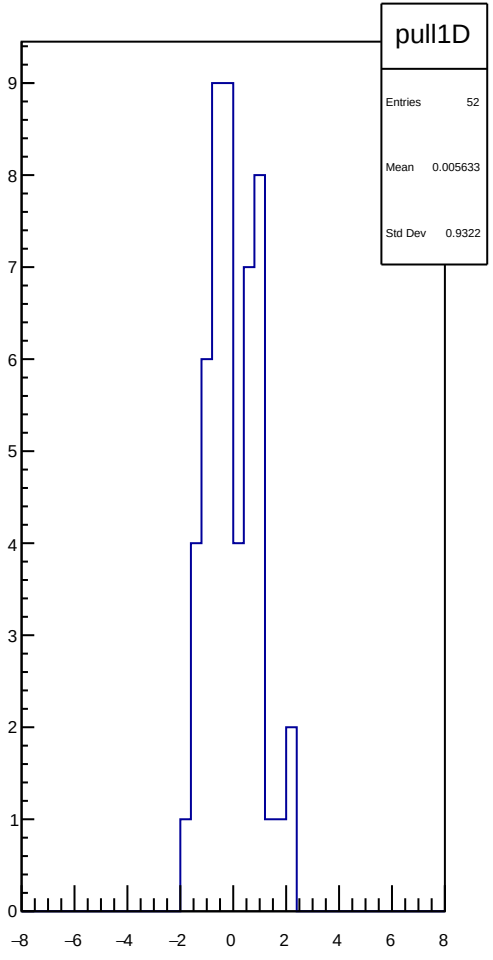
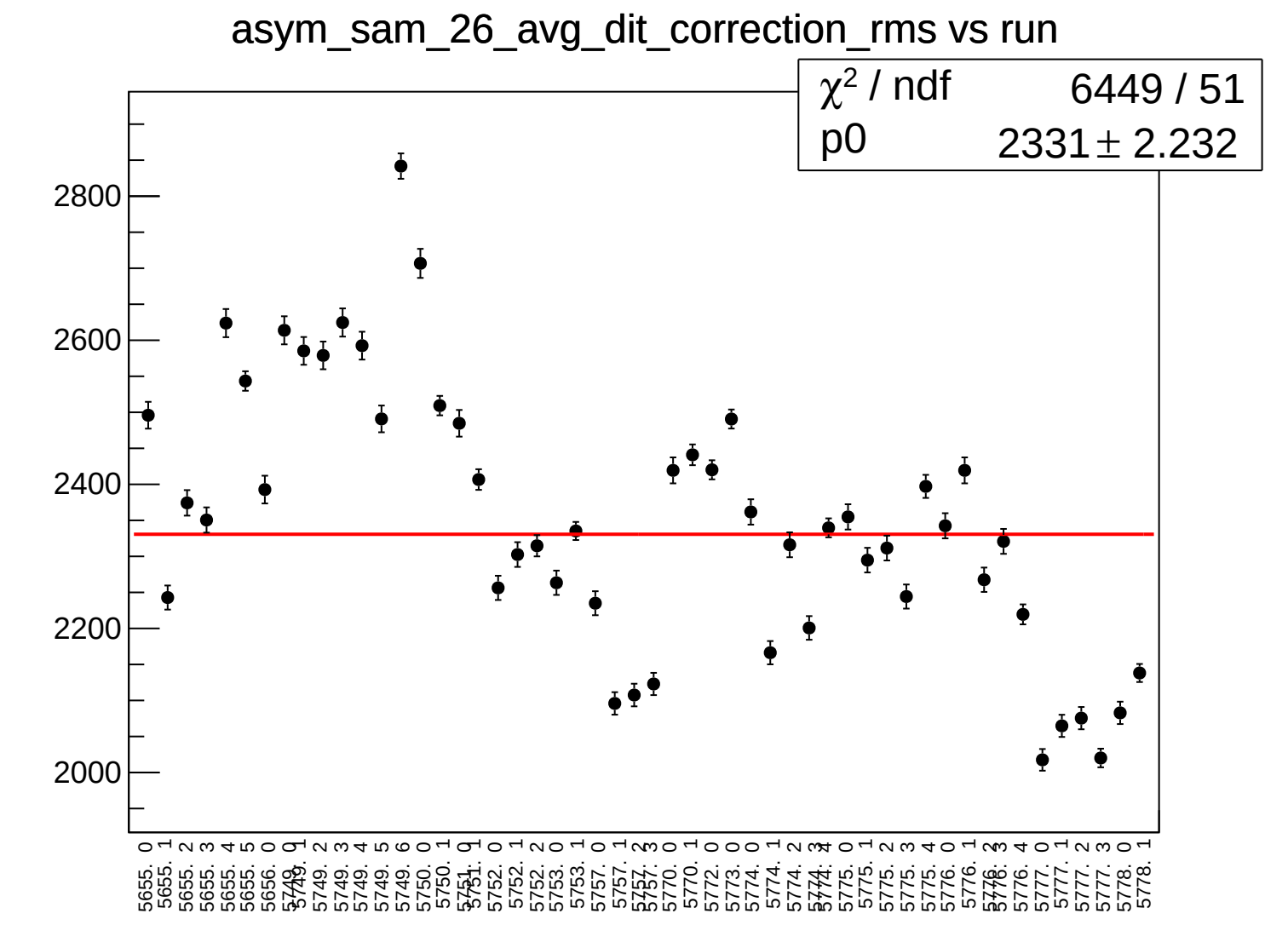

dit_asym_sam_26_avg_mean vs run
χ² / ndf 47.29 / 51
p0 417.6 ± 325.2
10000
5000
0
−5000
−10000
pull
Entries 52
Mean 514.5
Std Dev 0
2
1
0
−1
−2
−3

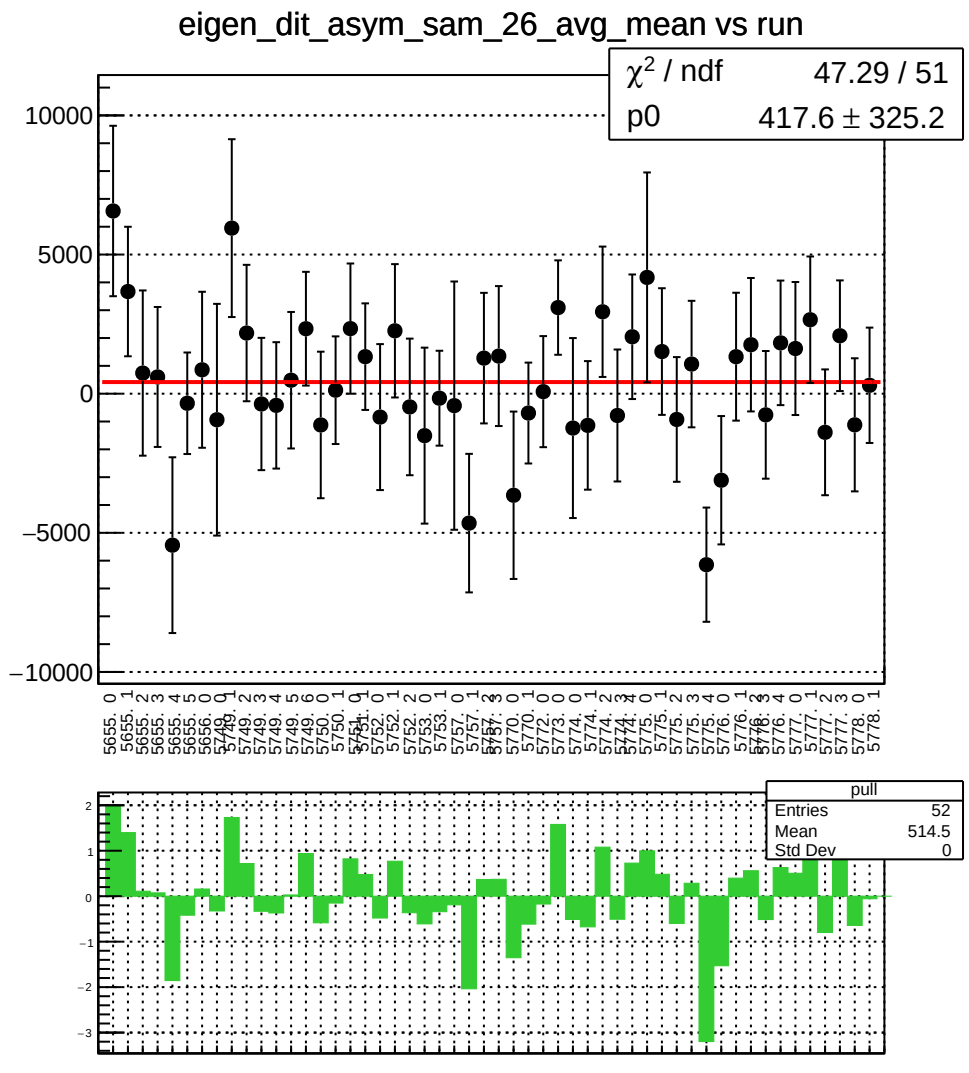

pull1D
Entries 52
Mean −0.003683
Std Dev 0.9536
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

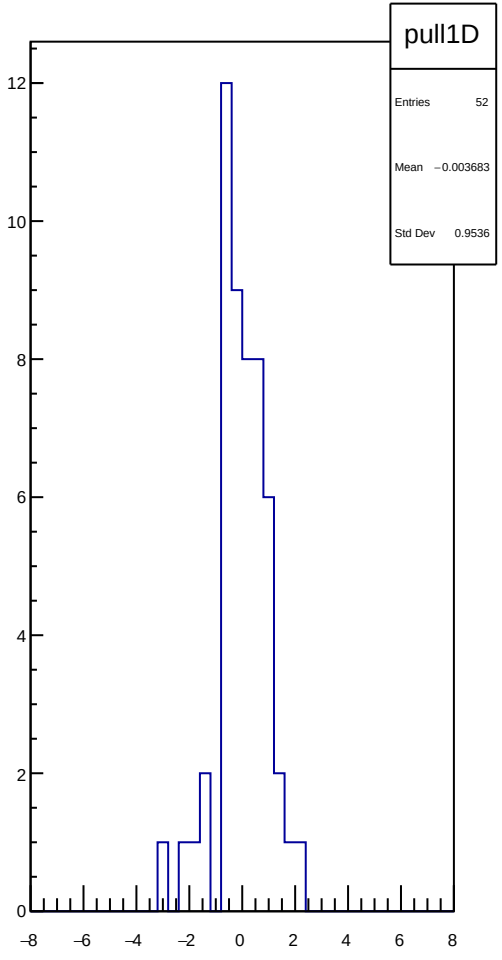

dit_asym_sam_26_avg_rms vs run
χ² / ndf 1.828e+04 / 51
p0 238.8 ± 0.23
400
350
300
250
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

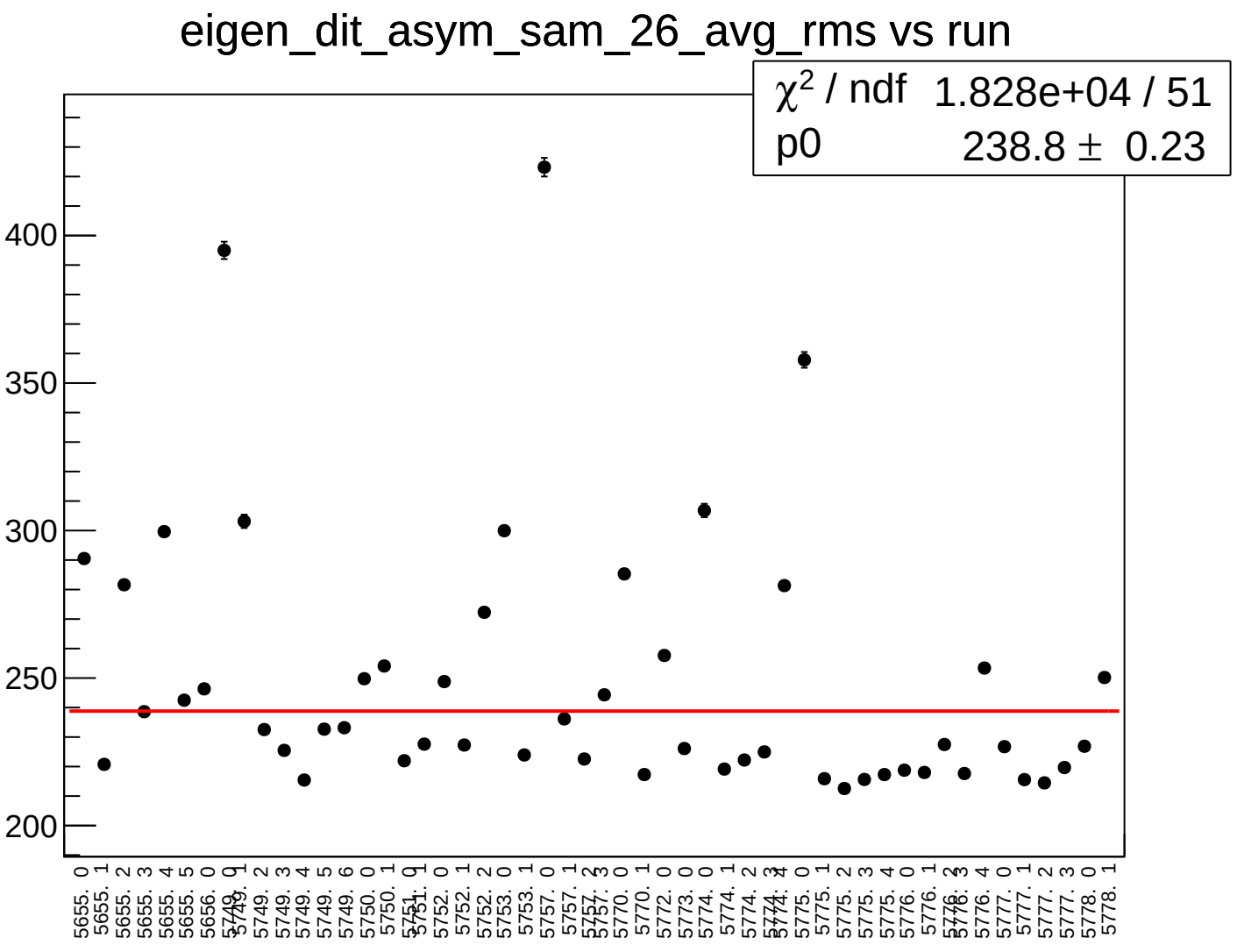

asym_sam_26_avg_dit_correction_mean vs run
×10^3
χ² / ndf 45.19 / 51
p0 1315 ± 3157
pull
Entries 52
Mean −246.6
Std Dev 0

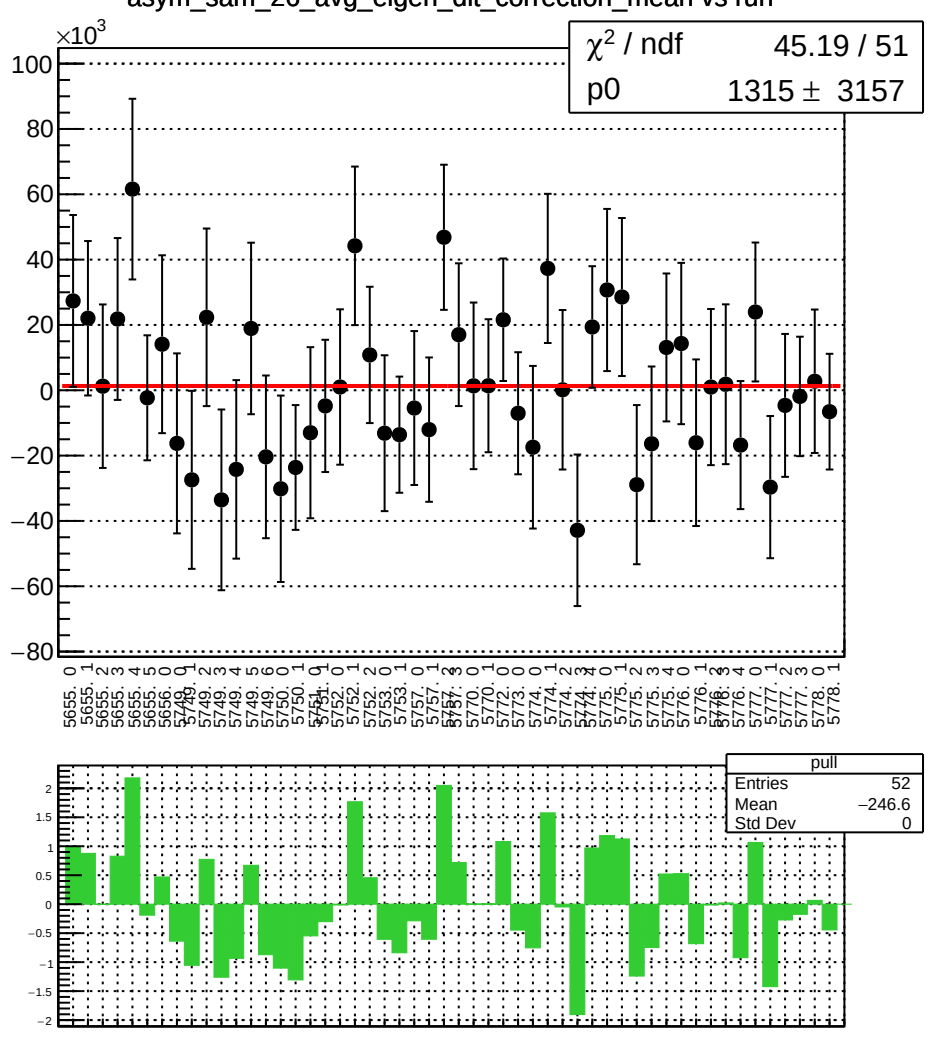

pull1D
Entries 52
Mean 0.005633
Std Dev 0.9322

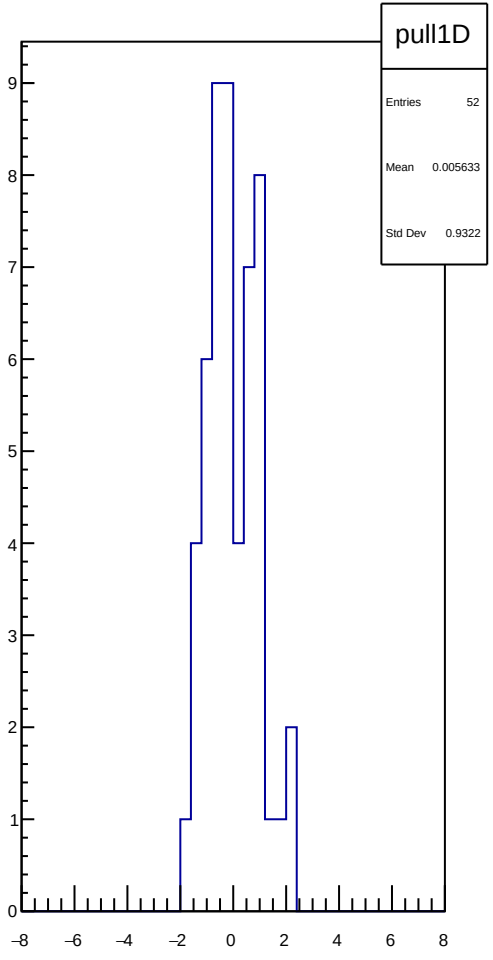

asym_sam_26_avg_dit_correction_rms vs run
χ² / ndf 6449 / 51
p0 2331 ± 2.232
2800
2600
2400
2200
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

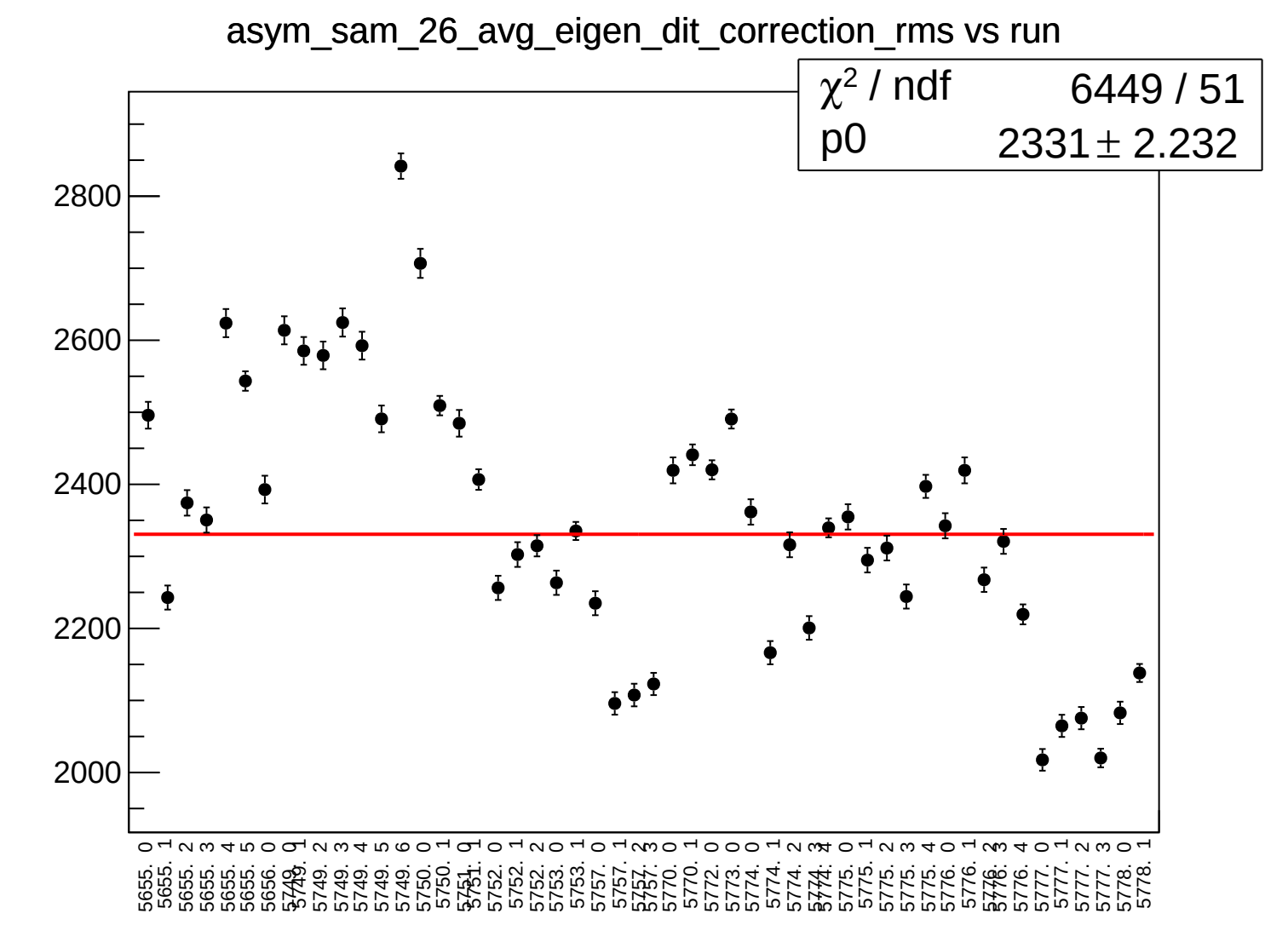

eigen_dit_asym_sam_26_avg_mean vs run
χ² / ndf 47.29 / 51
p0 417.6 ± 325.2
10000
5000
0
−5000
−10000
pull
Entries 52
Mean 514.5
Std Dev 0
2
1
0
−1
−2
−3

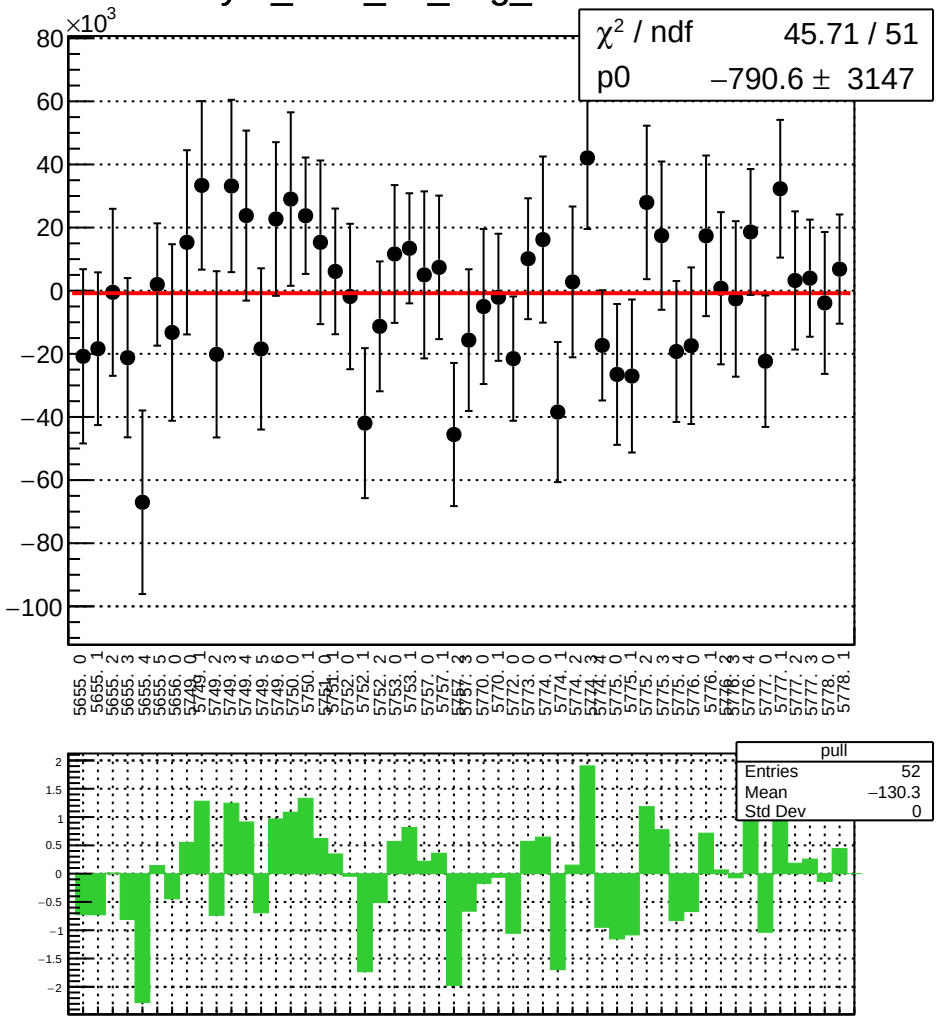

pull1D
Entries 52
Mean −0.003683
Std Dev 0.9536
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

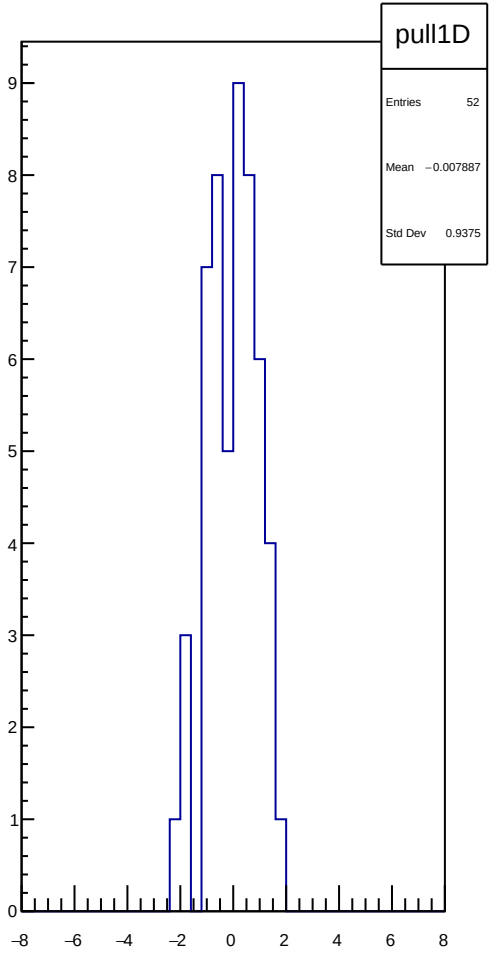

eigen_dit_asym_sam_26_avg_rms vs run
χ² / ndf 1.828e+04 / 51
p0 238.8 ± 0.23
400
350
300
250
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

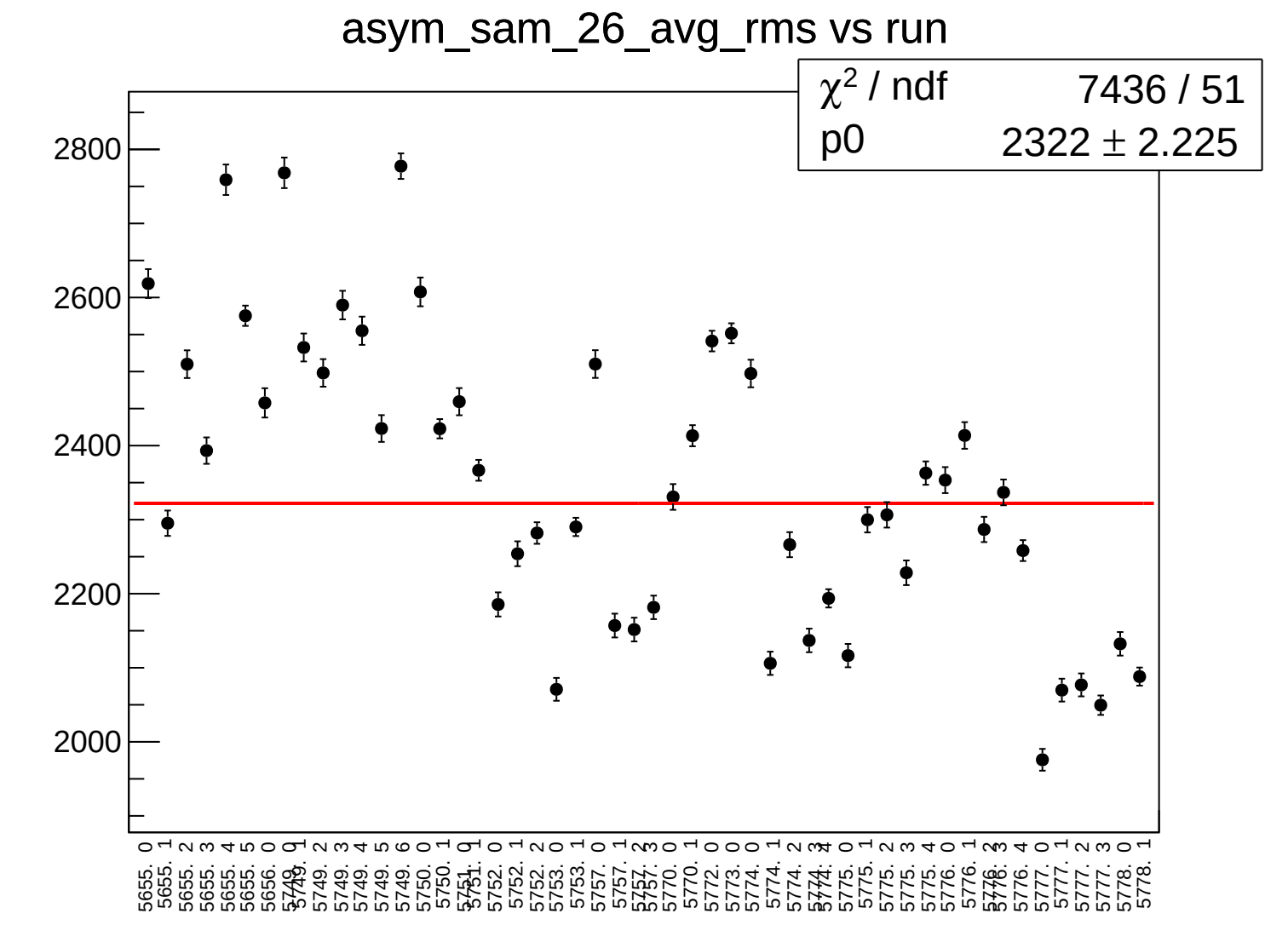

asym_sam_26_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 45.19 / 51
p0 1315 ± 3157
pull
Entries 52
Mean −246.6
Std Dev 0


pull1D
Entries 52
Mean 0.005633
Std Dev 0.9322


asym_sam_26_avg_eigen_dit_correction_rms vs run
χ² / ndf 6449 / 51
p0 2331 ± 2.232
2800
2600
2400
2200
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_26_avg_mean vs run
×10^3
χ² / ndf 45.71 / 51
p0 −790.6 ± 3147
pull
Entries 52
Mean −130.3
Std Dev 0


pull1D
Entries 52
Mean −0.007887
Std Dev 0.9375


asym_sam_26_avg_rms vs run
χ² / ndf 7436 / 51
p0 2322 ± 2.225
2800
2600
2400
2200
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
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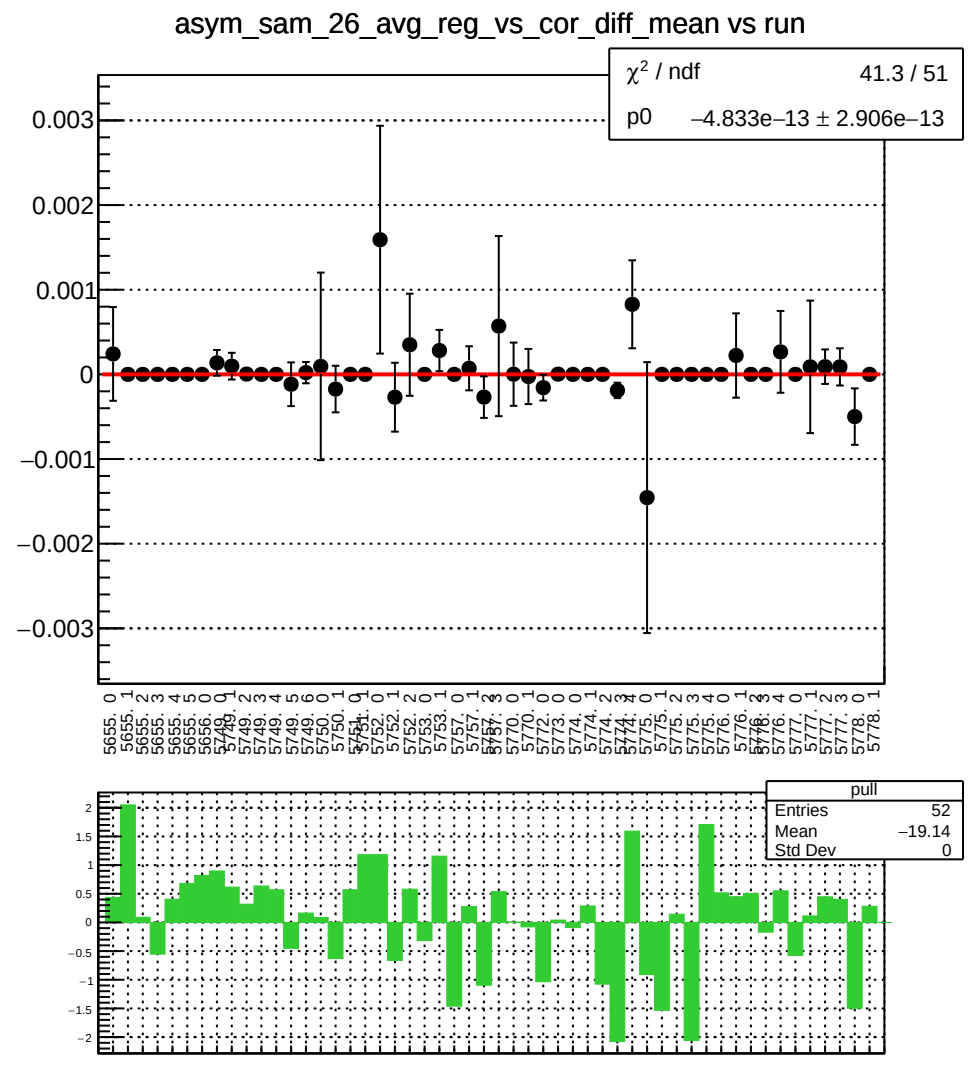
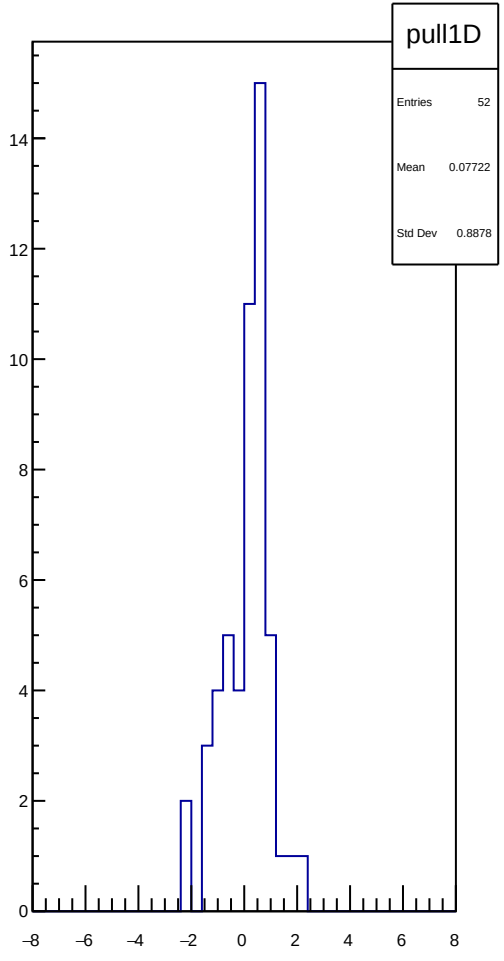
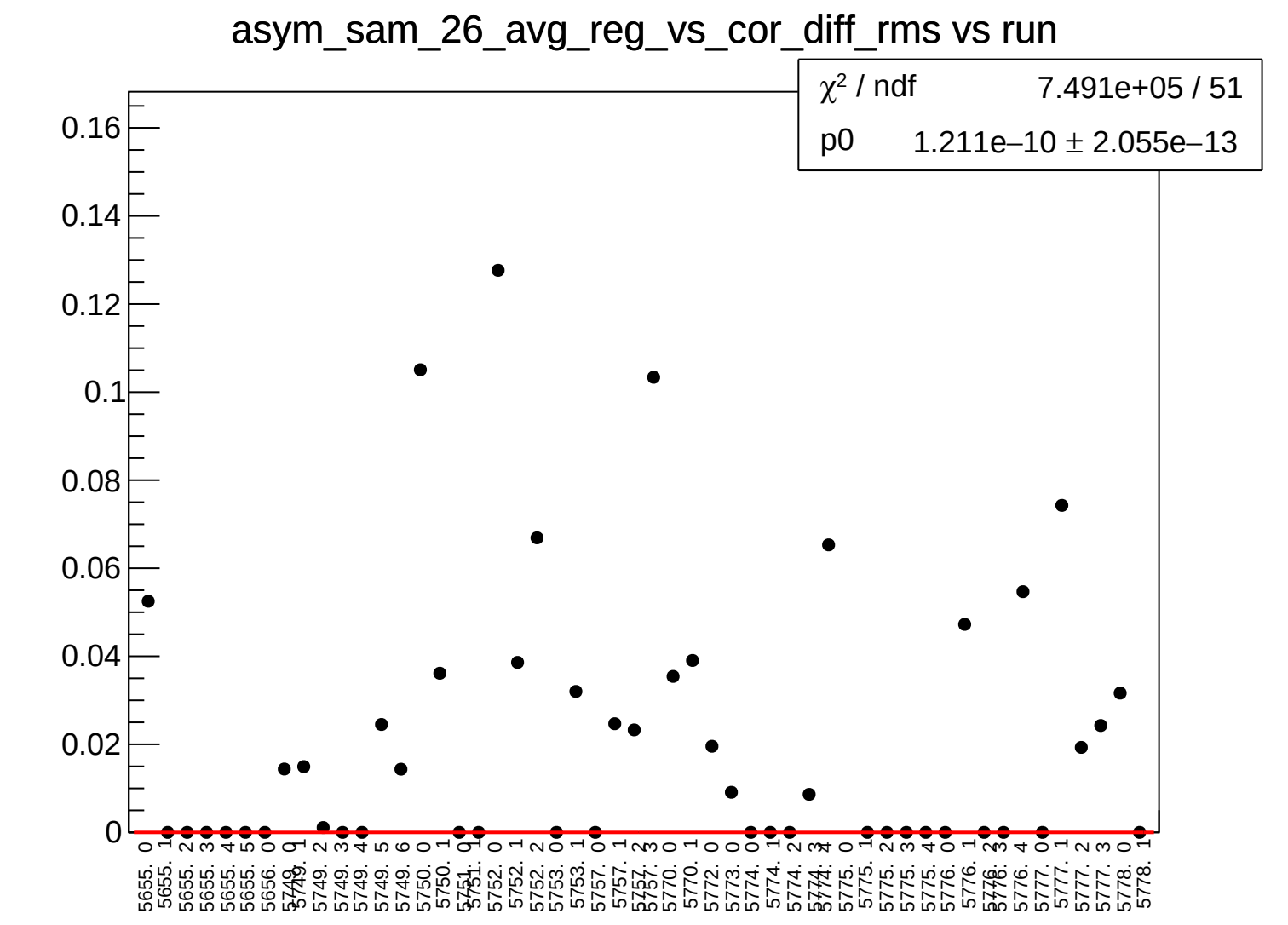
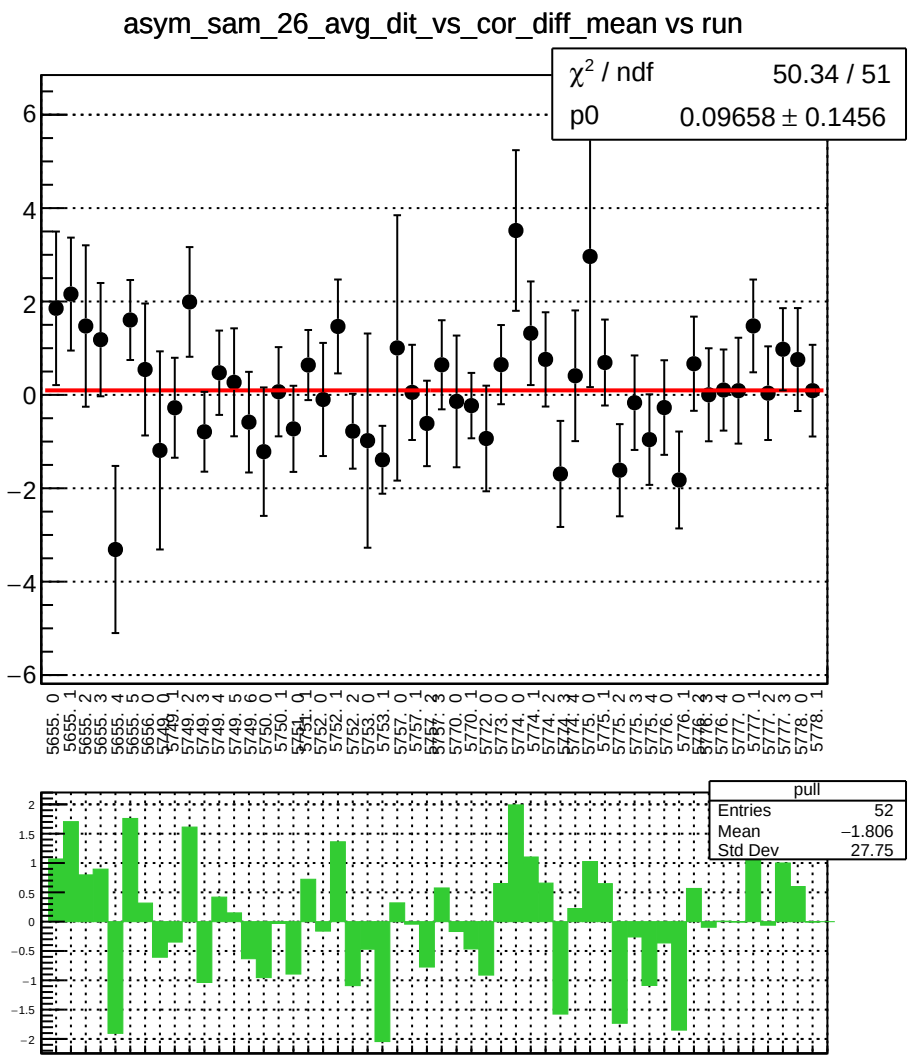
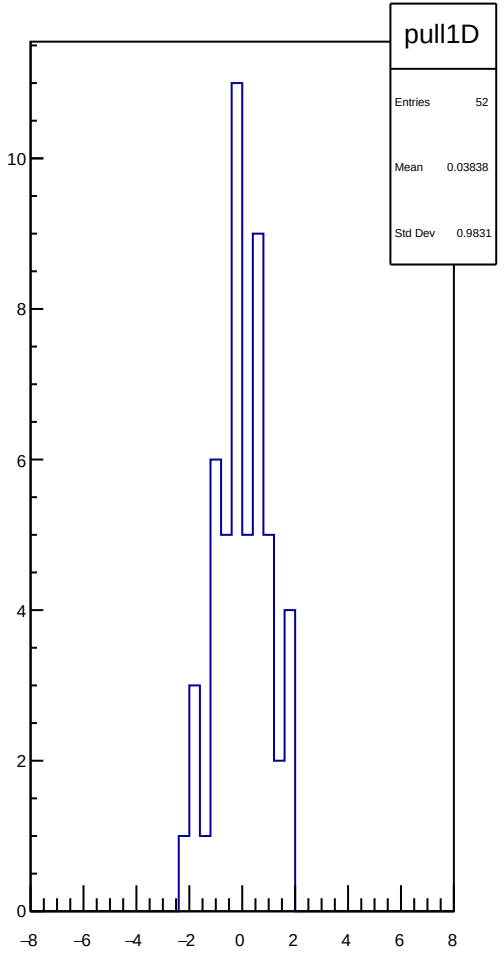
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

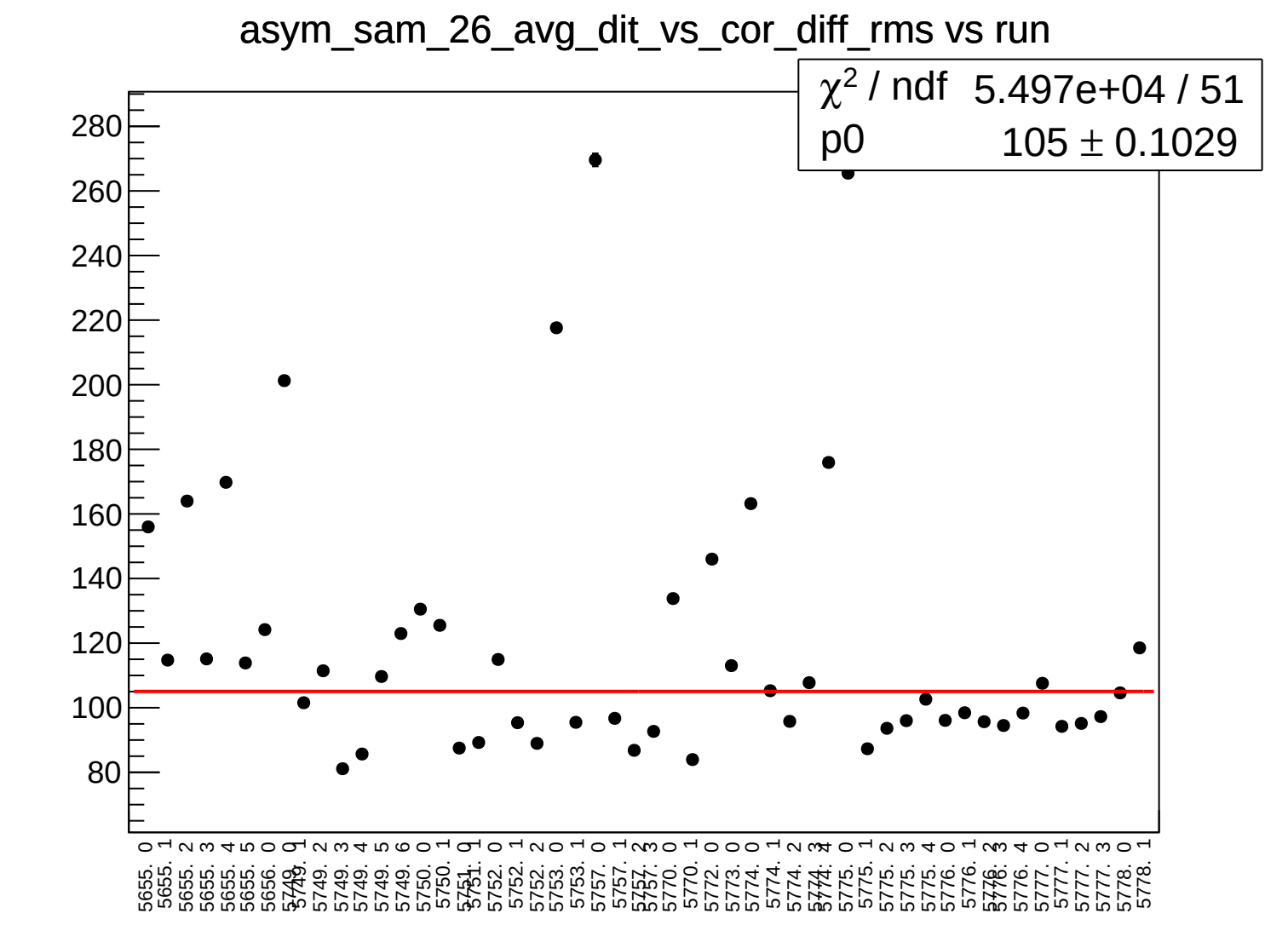

asym_sam_26_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 41.3 / 51
p0 −4.833e−13 ± 2.906e−13
pull
Entries 52
Mean −19.14
Std Dev 0

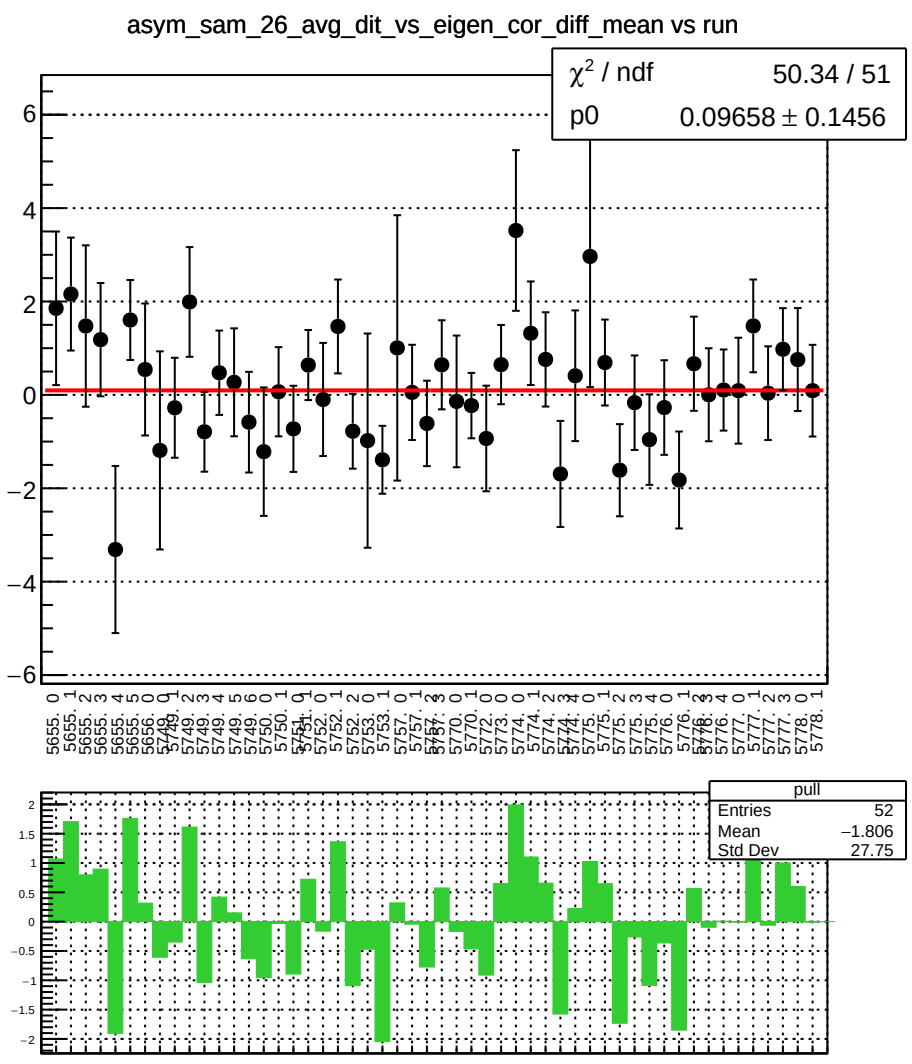

pull1D
Entries 52
Mean 0.07722
Std Dev 0.8878

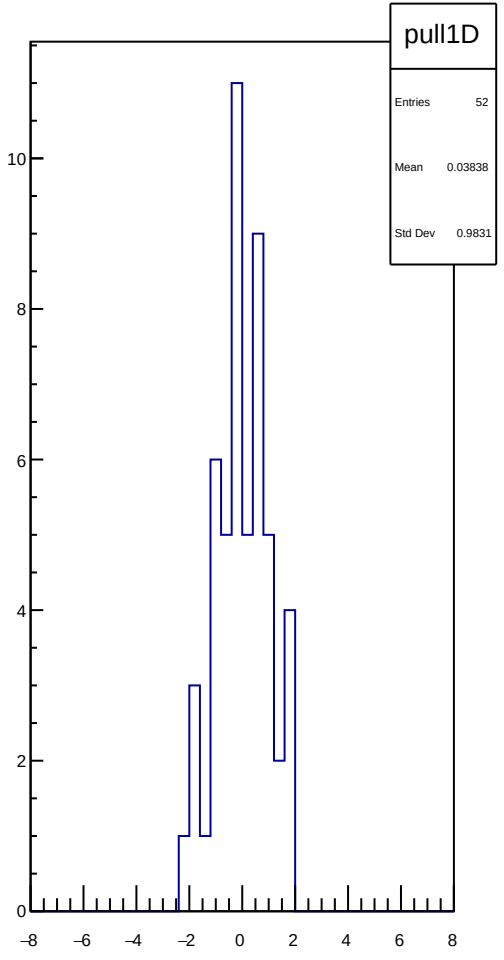

asym_sam_26_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.491e+05 / 51
p0 1.211e−10 ± 2.055e−13
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

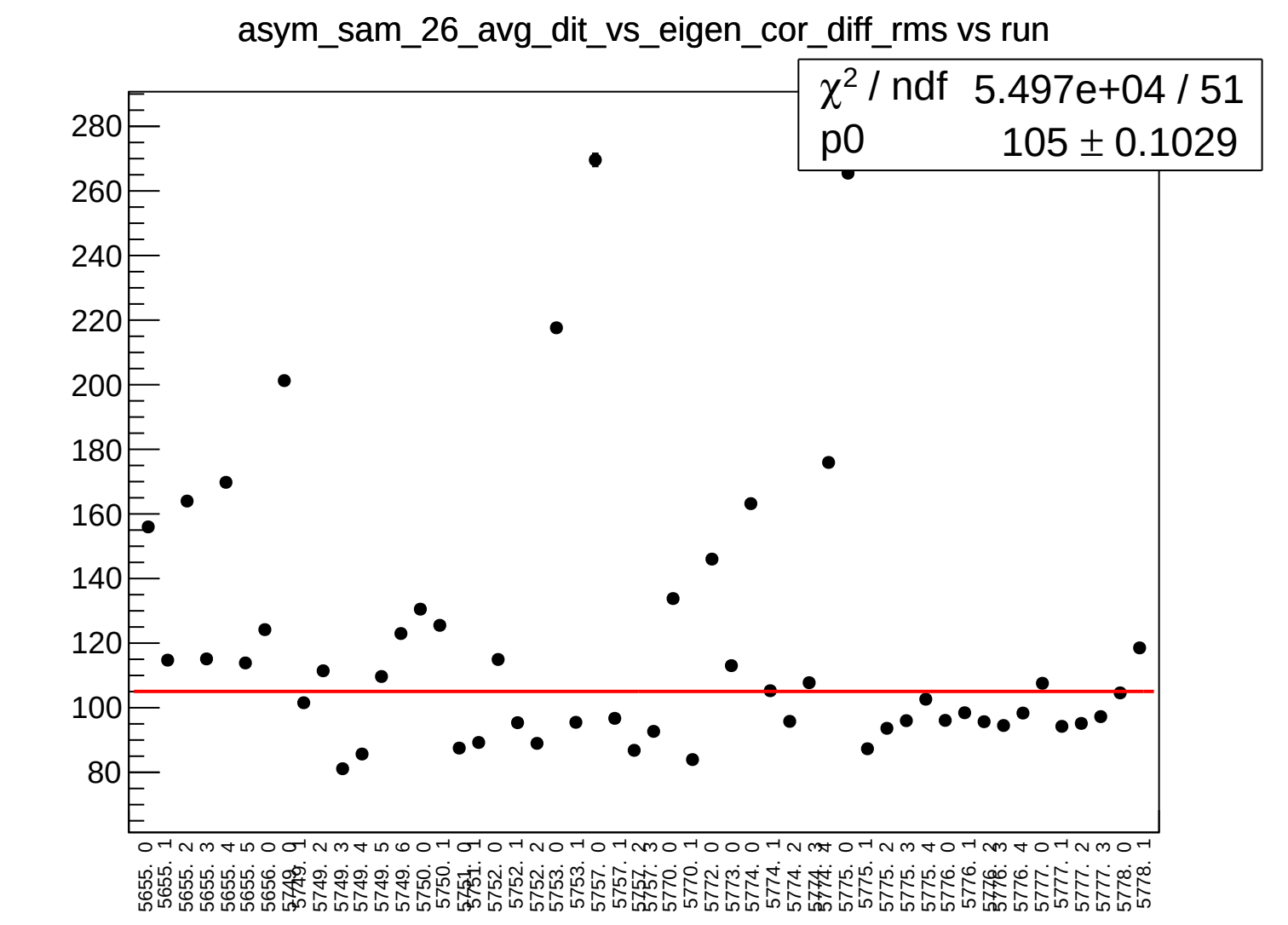

asym_sam_26_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 50.34 / 51
p0 0.09658 ± 0.1456
pull
Entries 52
Mean −1.806
Std Dev 27.75


pull1D
Entries 52
Mean 0.03838
Std Dev 0.9831


asym_sam_26_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.497e+04 / 51
p0 105 ± 0.1029
280
260
240
220
200
180
160
140
120
100
80
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.34 / 51
p0 0.09658 ± 0.1456
pull
Entries 52
Mean −1.806
Std Dev 27.75


pull1D
Entries 52
Mean 0.03838
Std Dev 0.9831


asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.497e+04 / 51
p0 105 ± 0.1029
280
260
240
220
200
180
160
140
120
100
80
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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5776. 3
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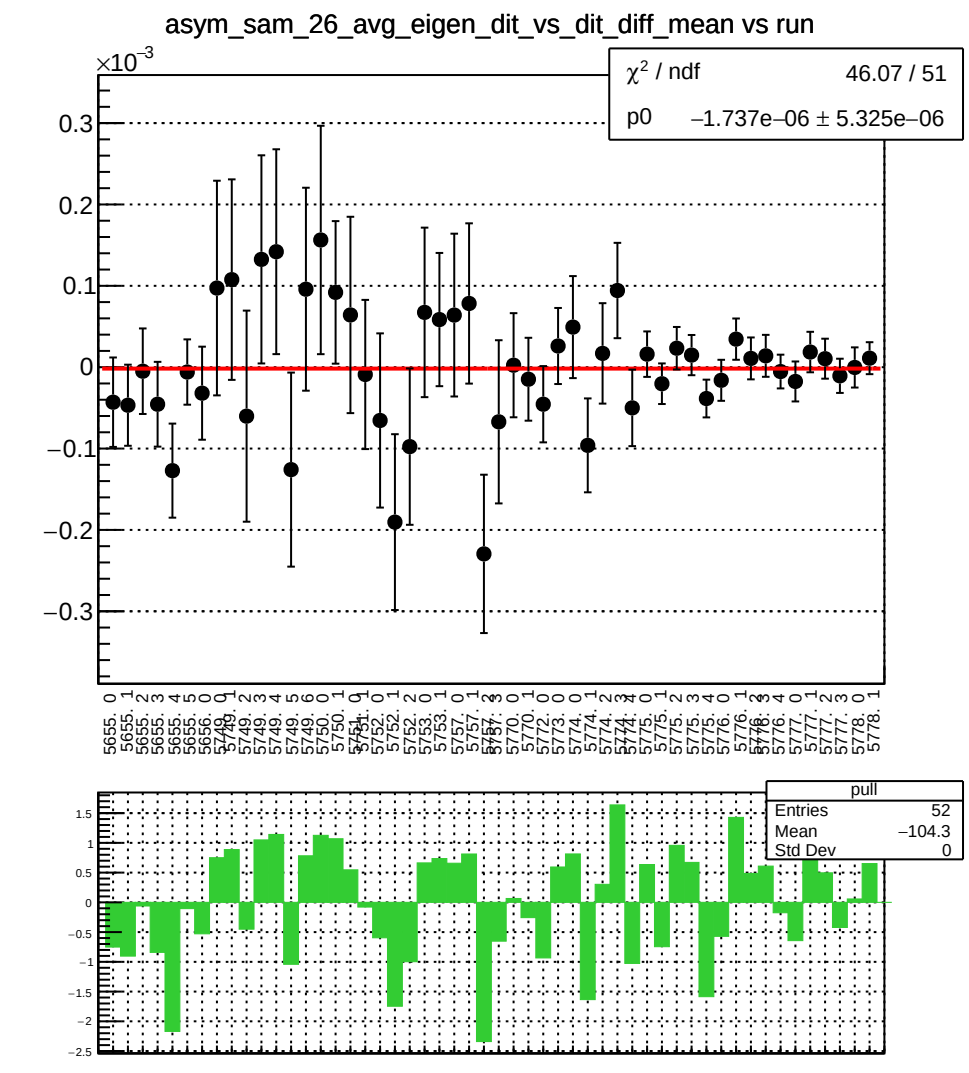
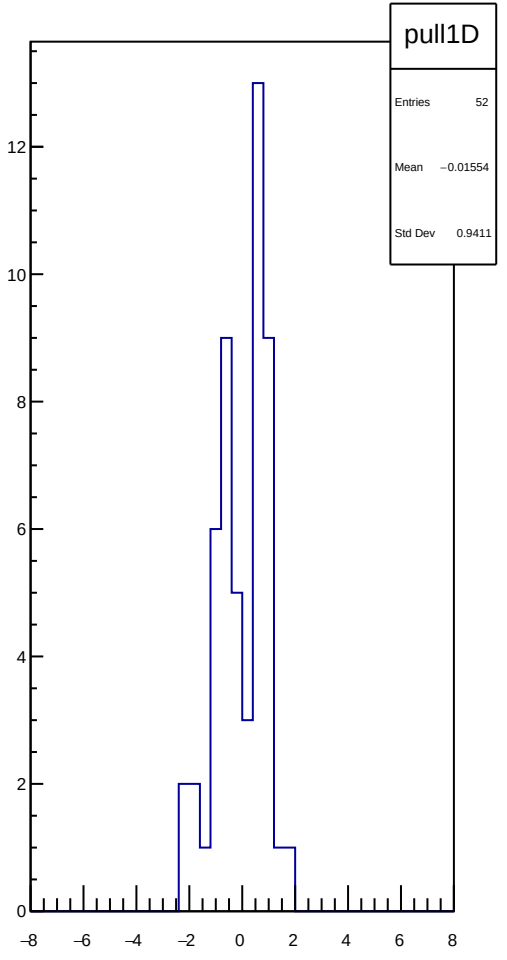
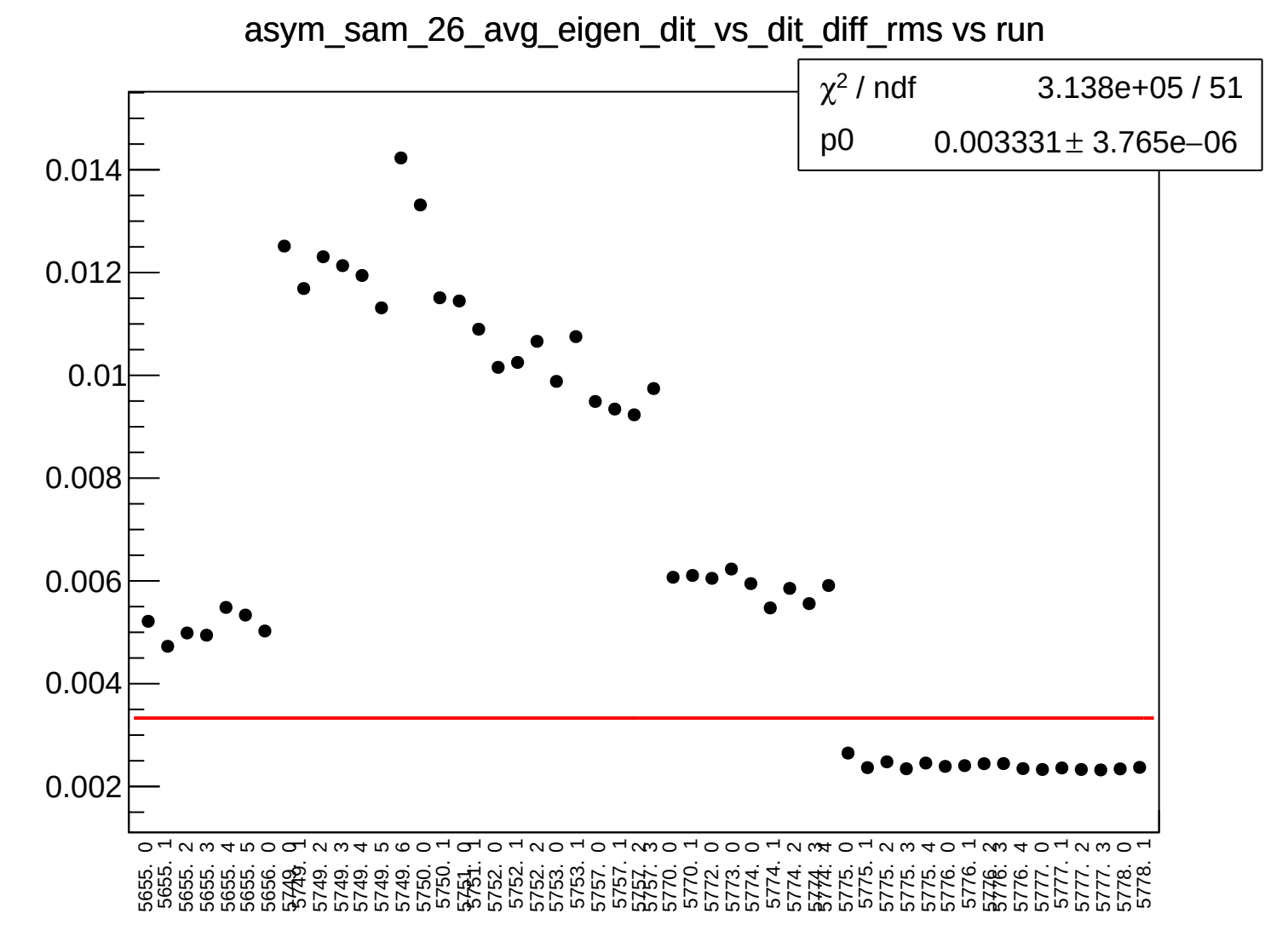
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 46.07 / 51
p0 −1.737e−06 ± 5.325e−06
pull
Entries 52
Mean −104.3
Std Dev 0


pull1D
Entries 52
Mean −0.01554
Std Dev 0.9411


asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.138e+05 / 51
p0 0.003331 ± 3.765e−06
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5770. 1
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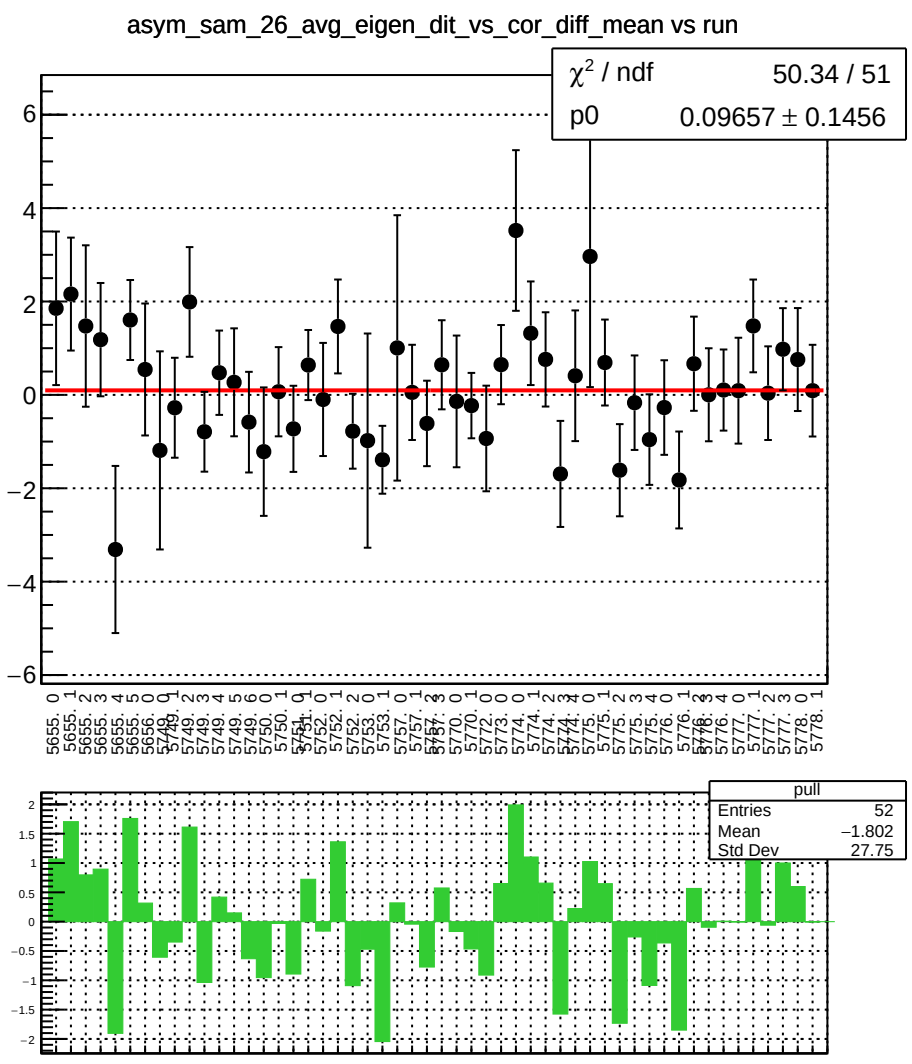
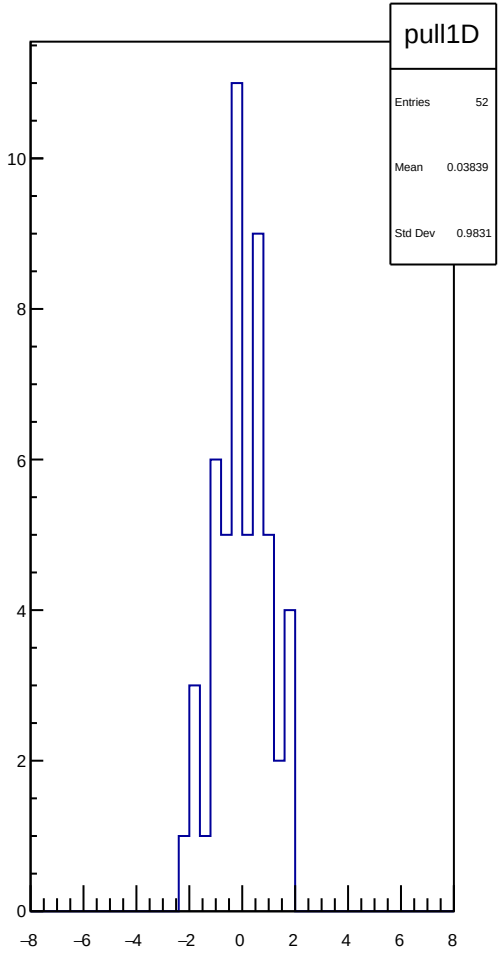
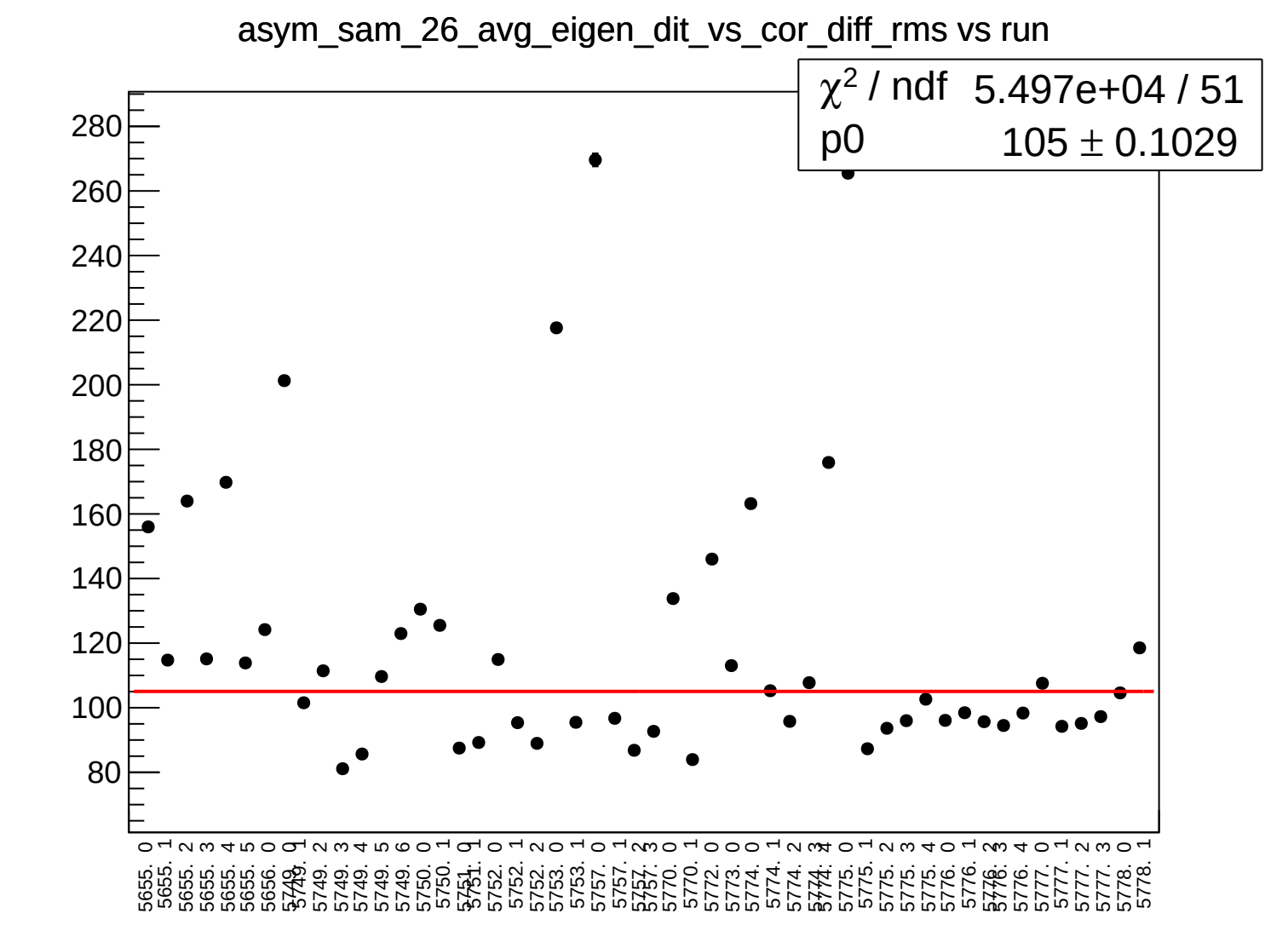
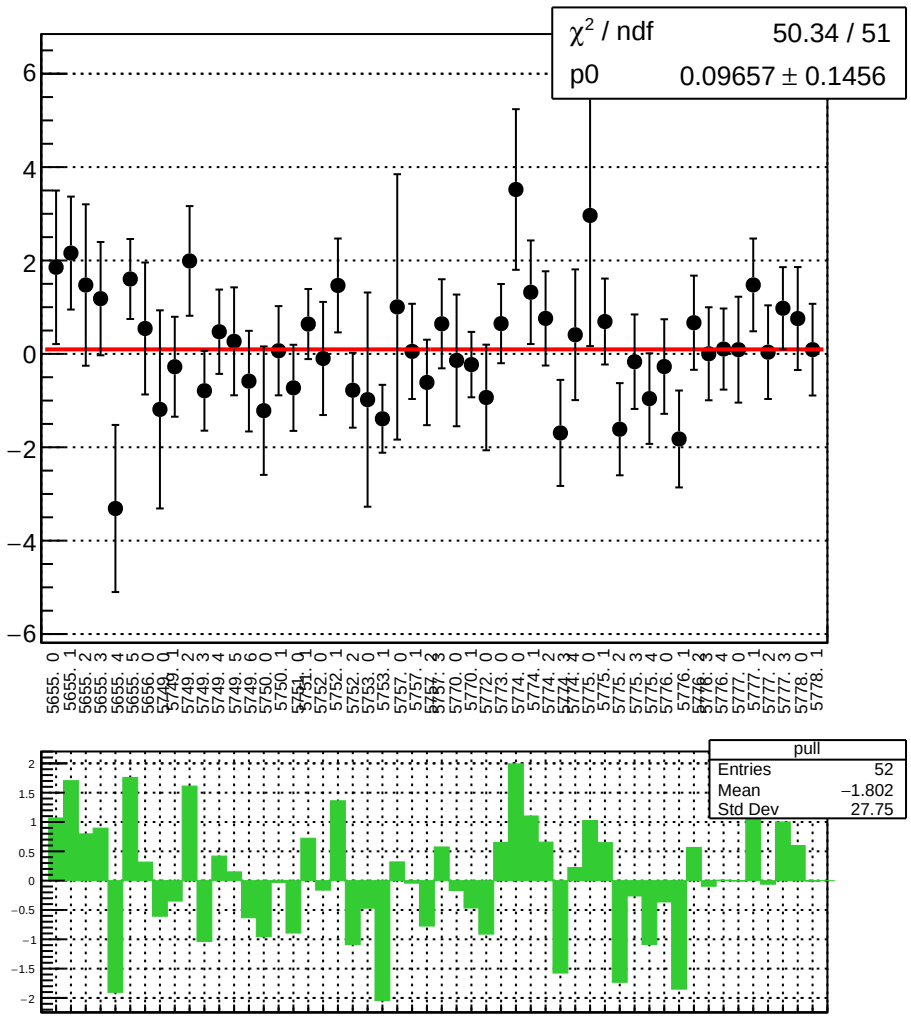
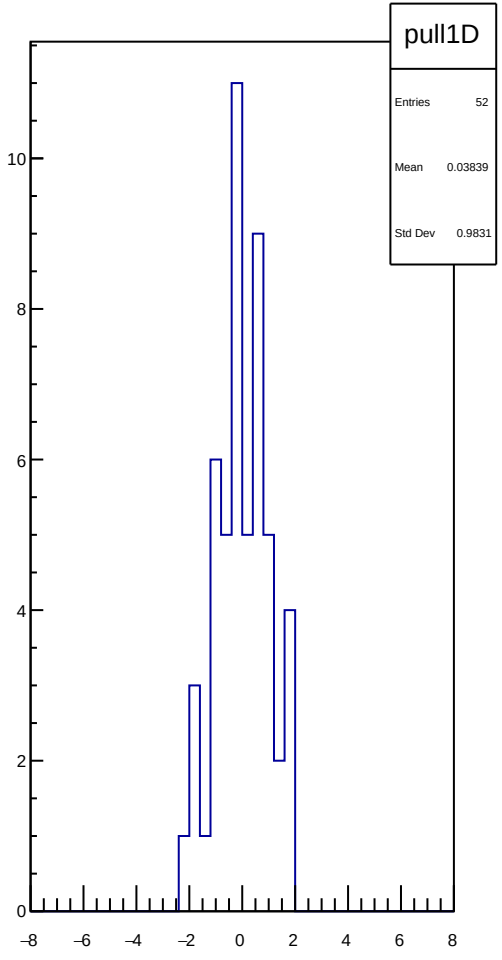
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

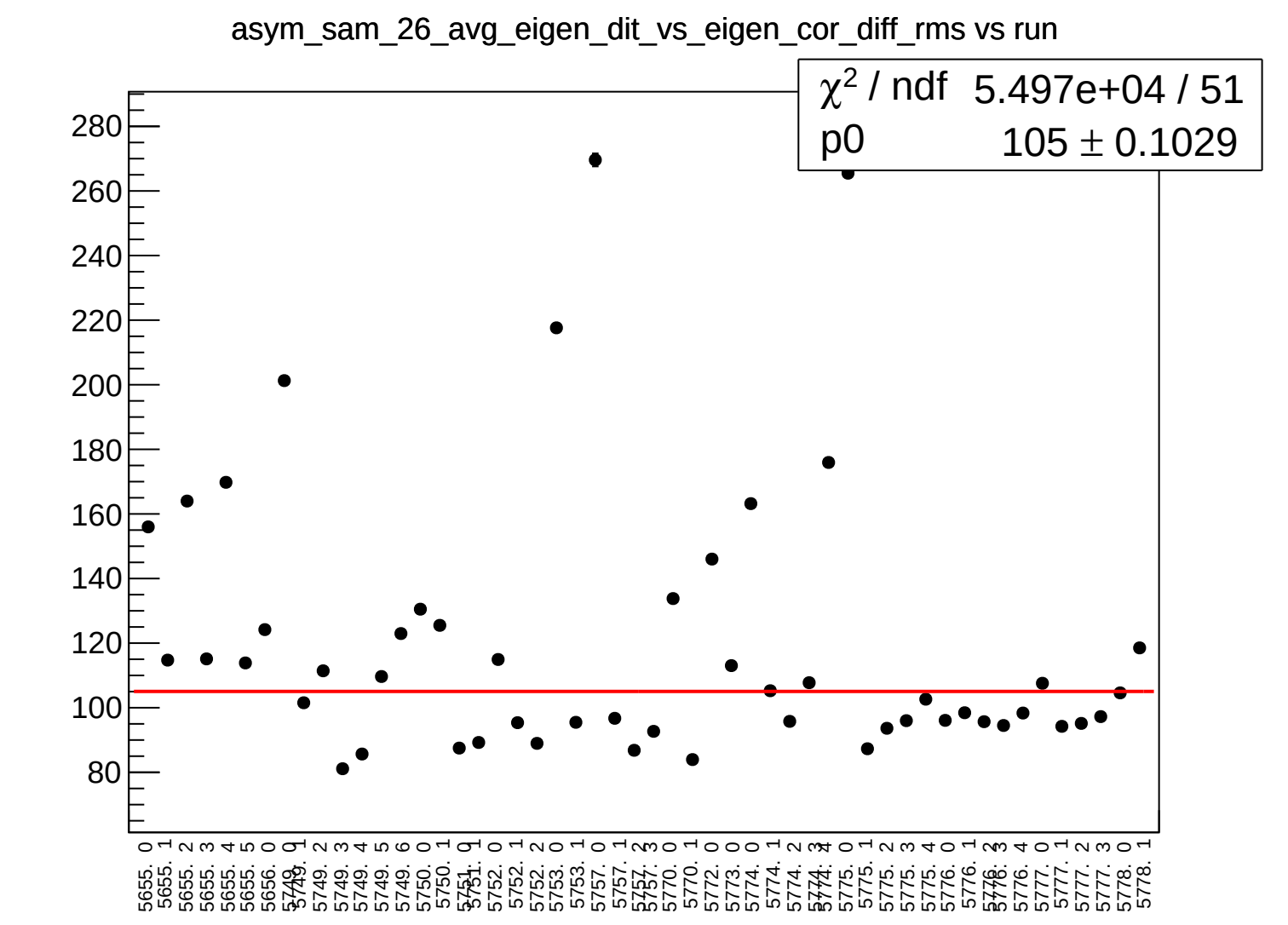

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.34 / 51
p0 0.09657 ± 0.1456
pull
Entries 52
Mean −1.802
Std Dev 27.75

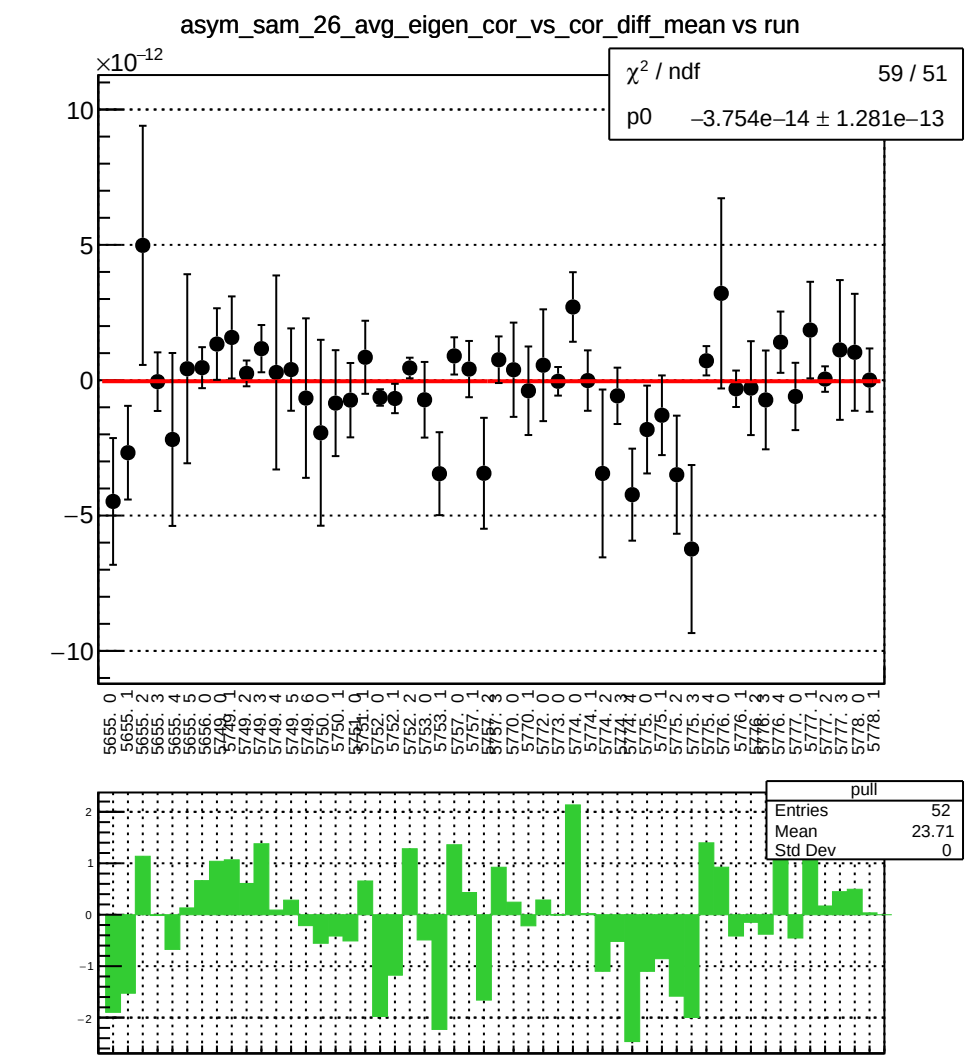

pull1D
Entries 52
Mean 0.03839
Std Dev 0.9831

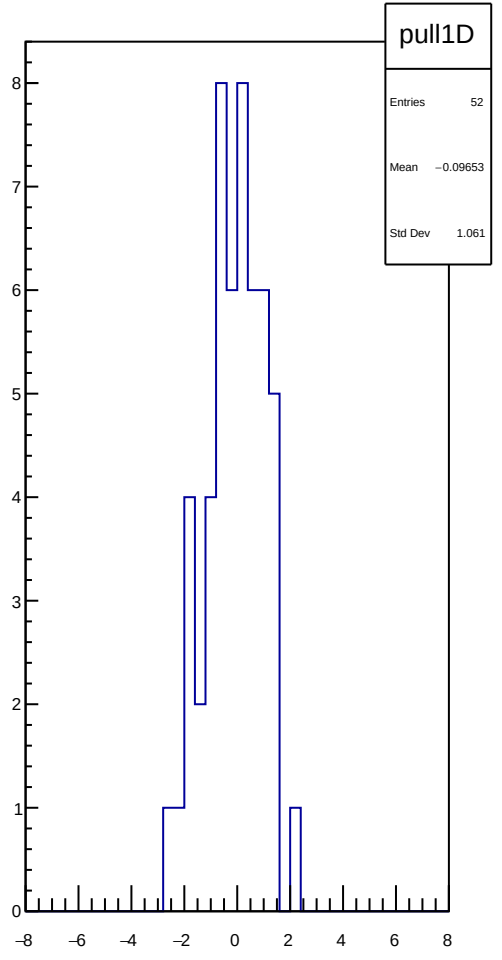

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 5.497e+04 / 51
p0 105 ± 0.1029
280
260
240
220
200
180
160
140
120
100
80
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

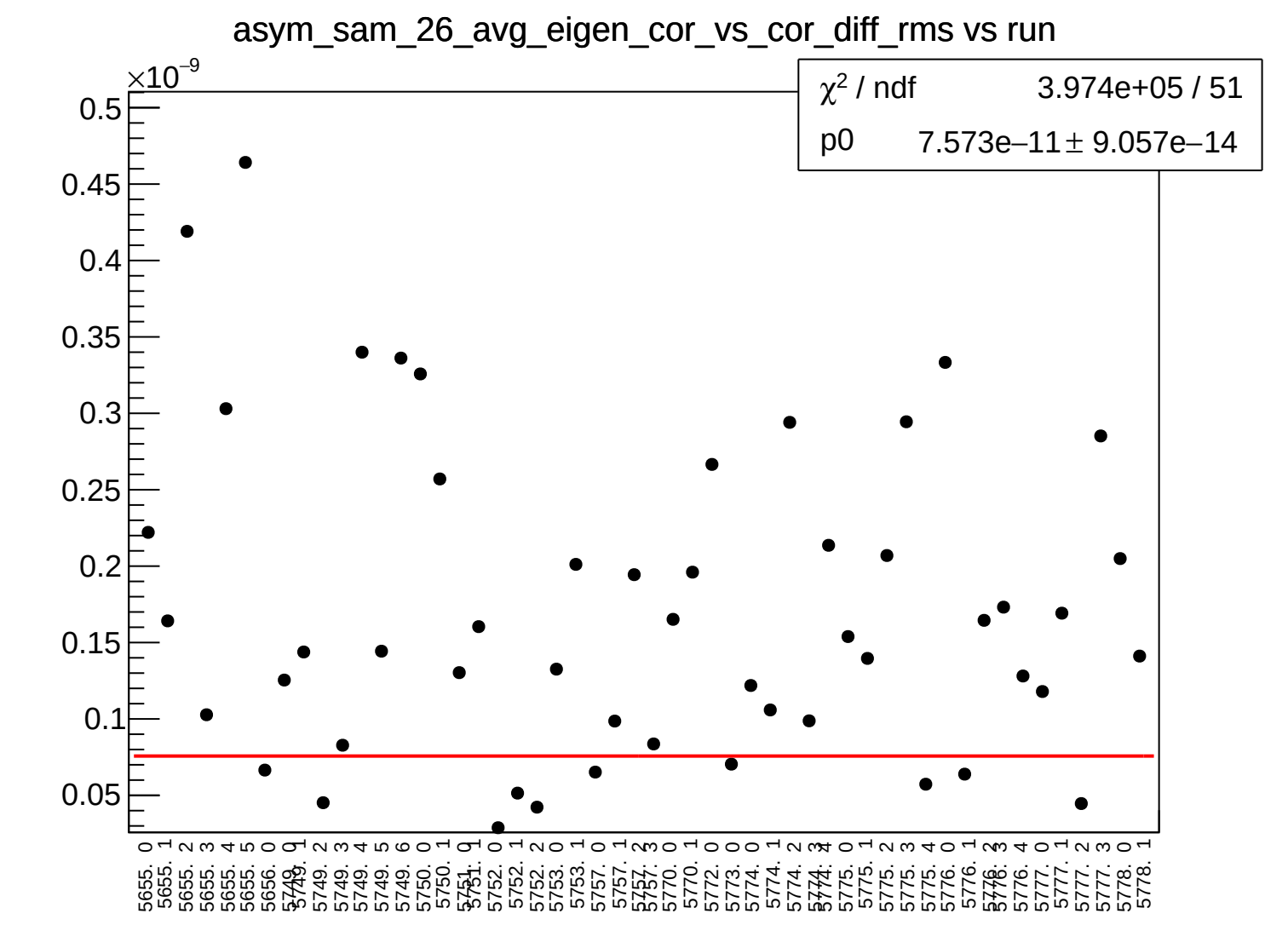

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.34 / 51
p0 0.09657 ± 0.1456
pull
Entries 52
Mean −1.802
Std Dev 27.75

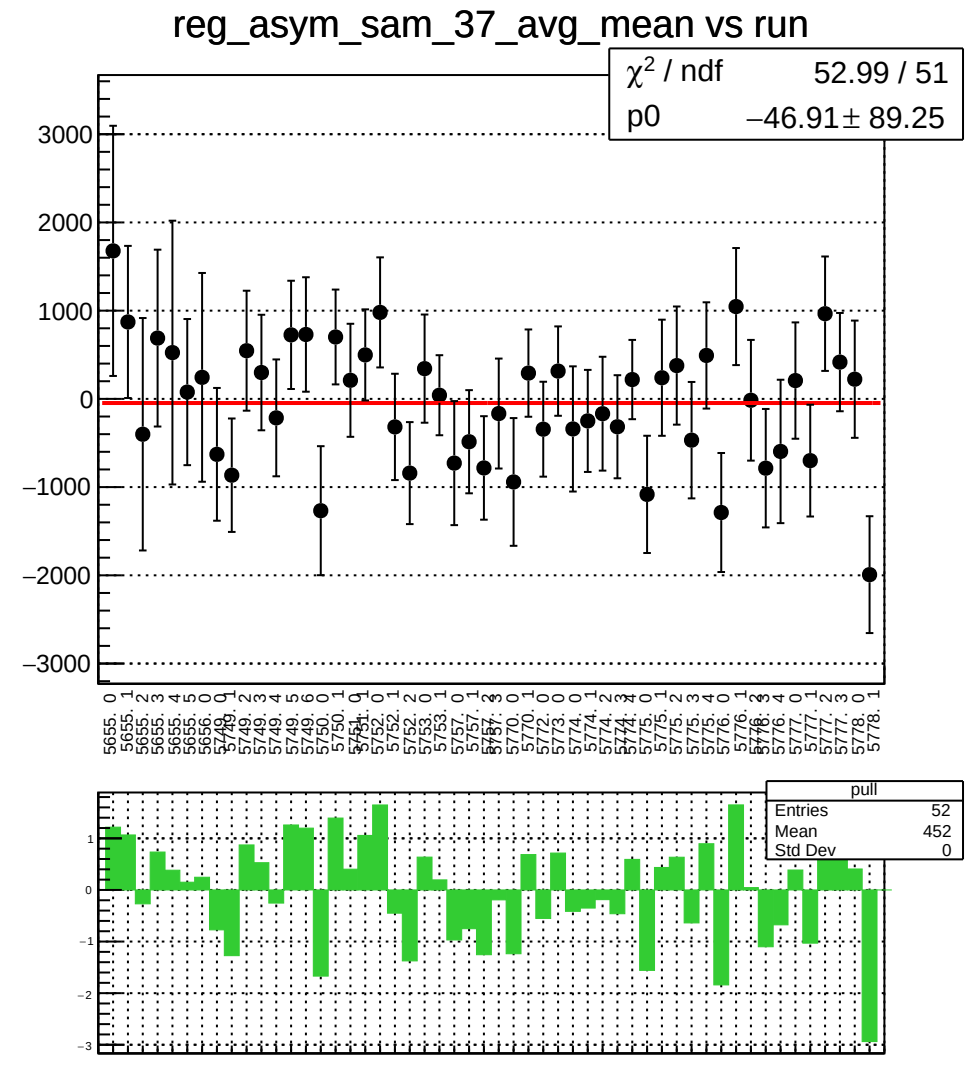

pull1D
Entries 52
Mean 0.03839
Std Dev 0.9831

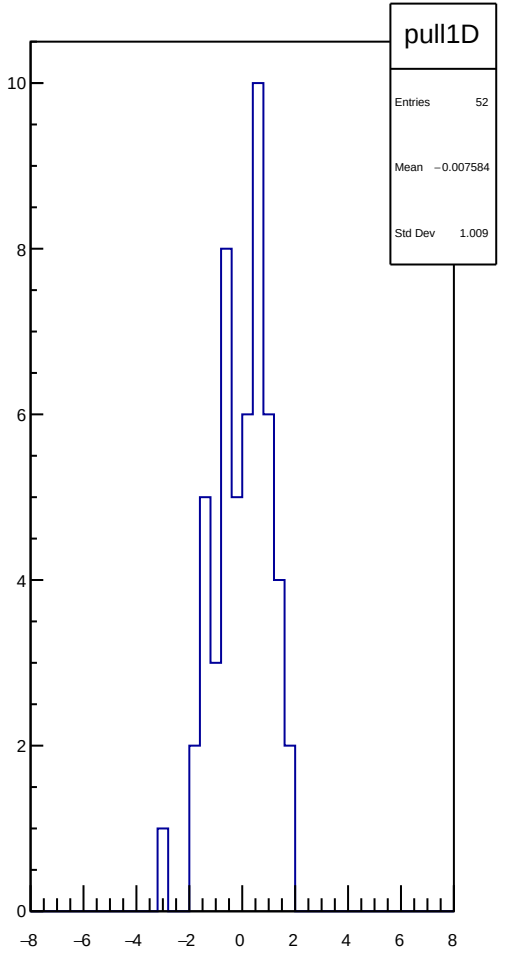

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.497e+04 / 51
p0 105 ± 0.1029
280
260
240
220
200
180
160
140
120
100
80
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

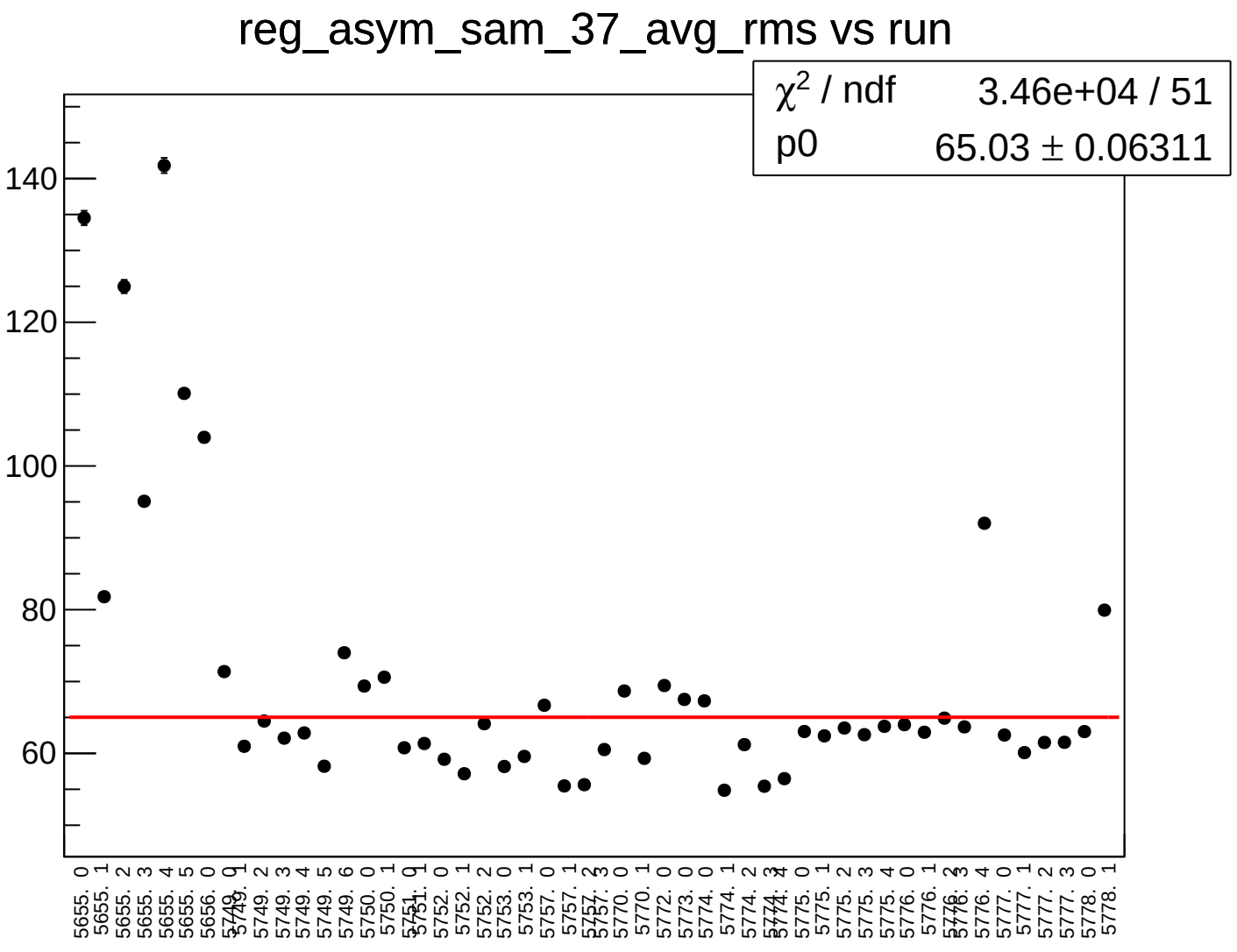

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59 / 51
p0 −3.754e−14 ± 1.281e−13
pull
Entries 52
Mean 23.71
Std Dev 0

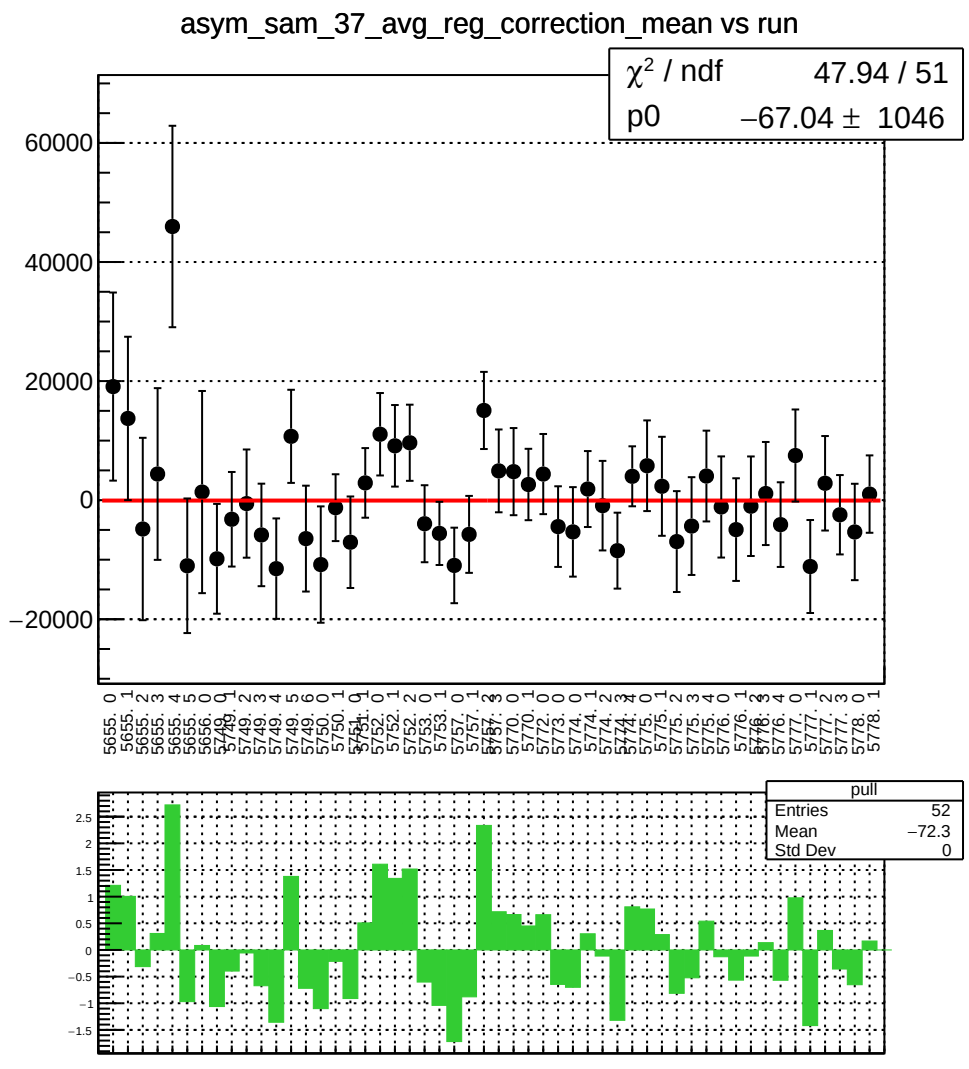

pull1D
Entries 52
Mean −0.09653
Std Dev 1.061

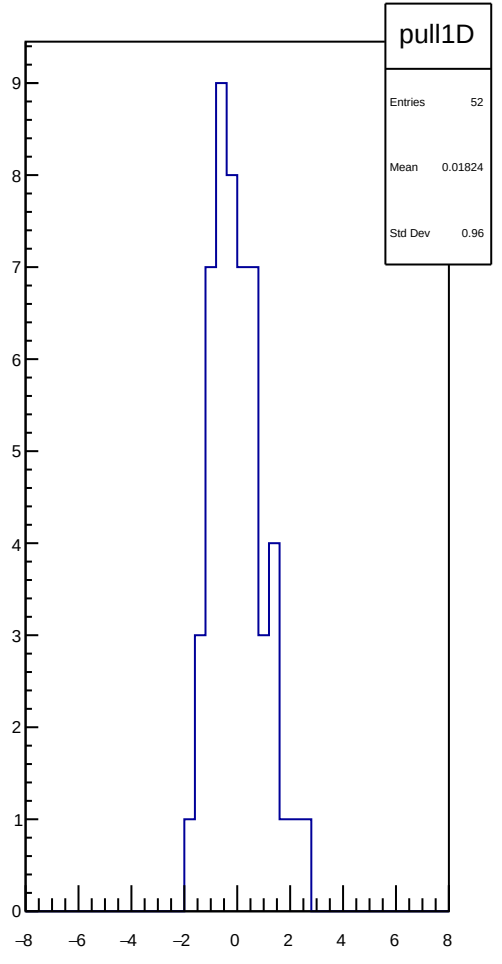

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.974e+05 / 51
p0 7.573e−11 ± 9.057e−14
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

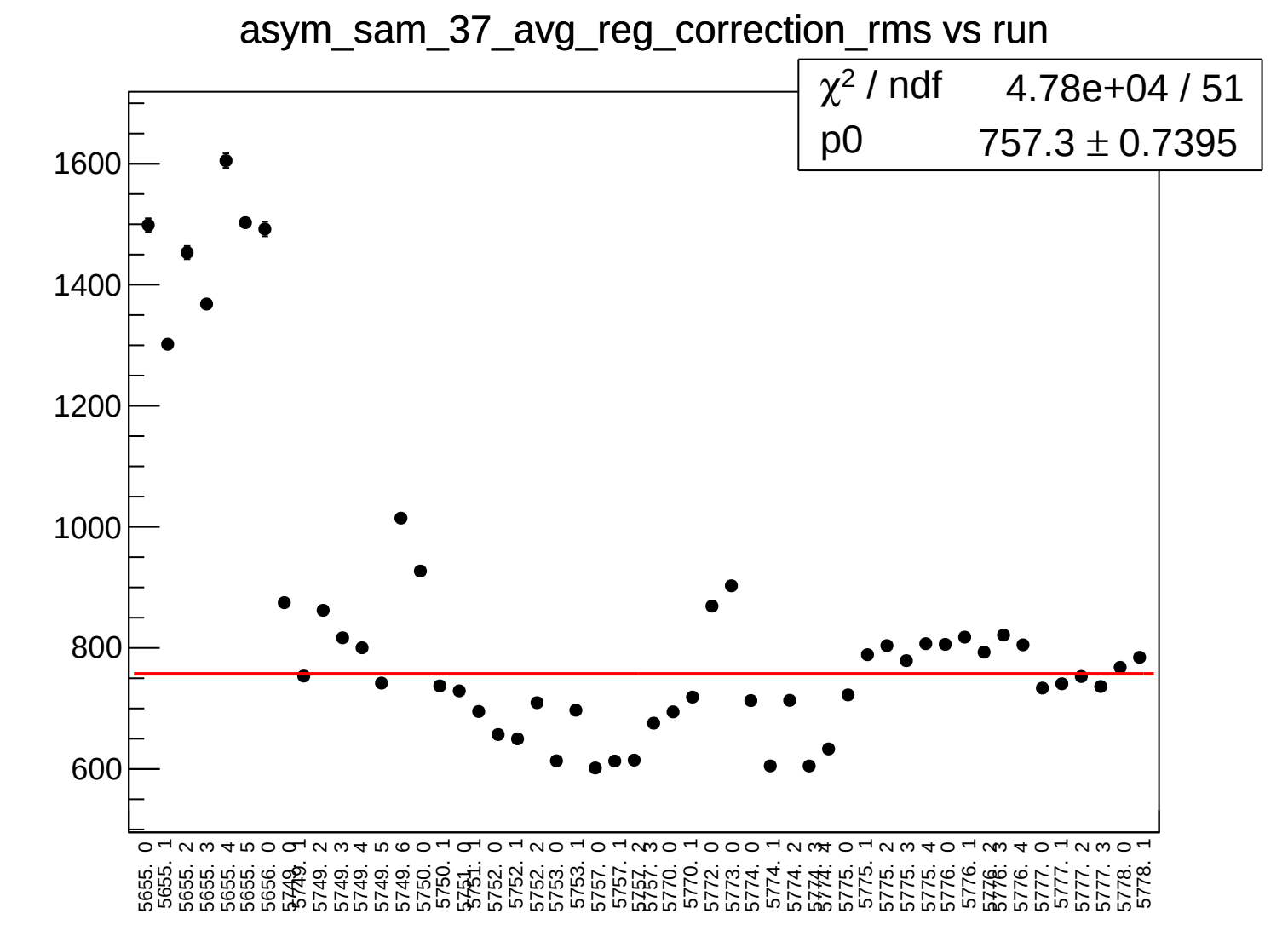

reg_asym_sam_37_avg_mean vs run
χ² / ndf 52.99 / 51
p0 −46.91 ± 89.25
pull
Entries 52
Mean 452
Std Dev 0

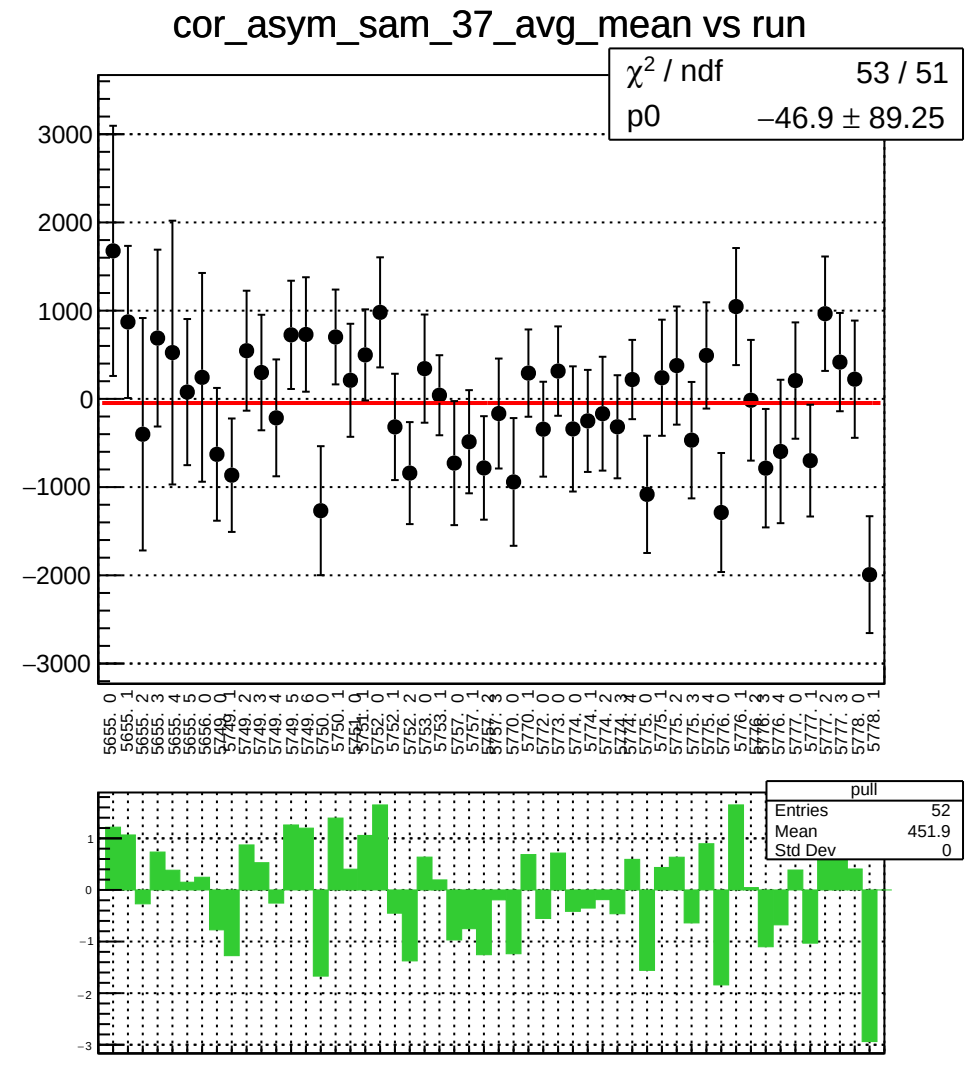

pull1D
Entries 52
Mean −0.007584
Std Dev 1.009

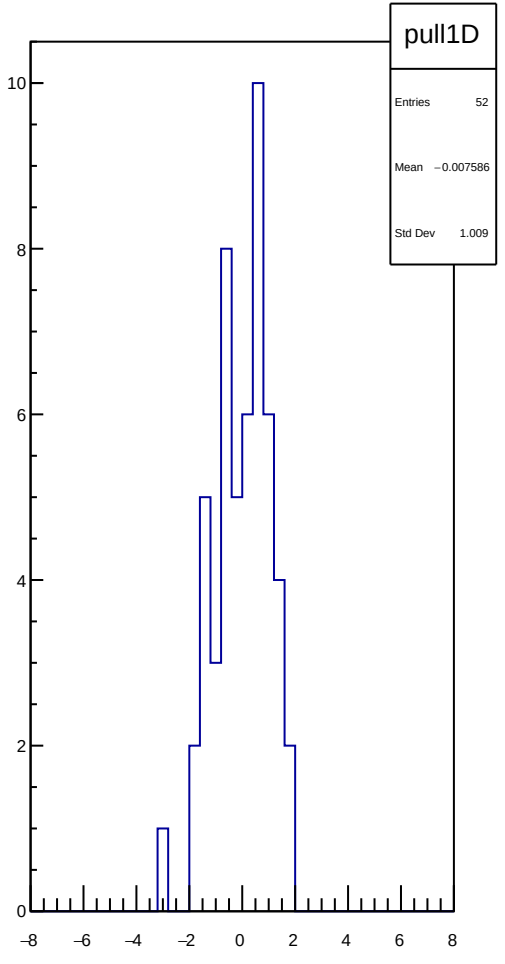

reg_asym_sam_37_avg_rms vs run
χ² / ndf 3.46e+04 / 51
p0 65.03 ± 0.06311
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

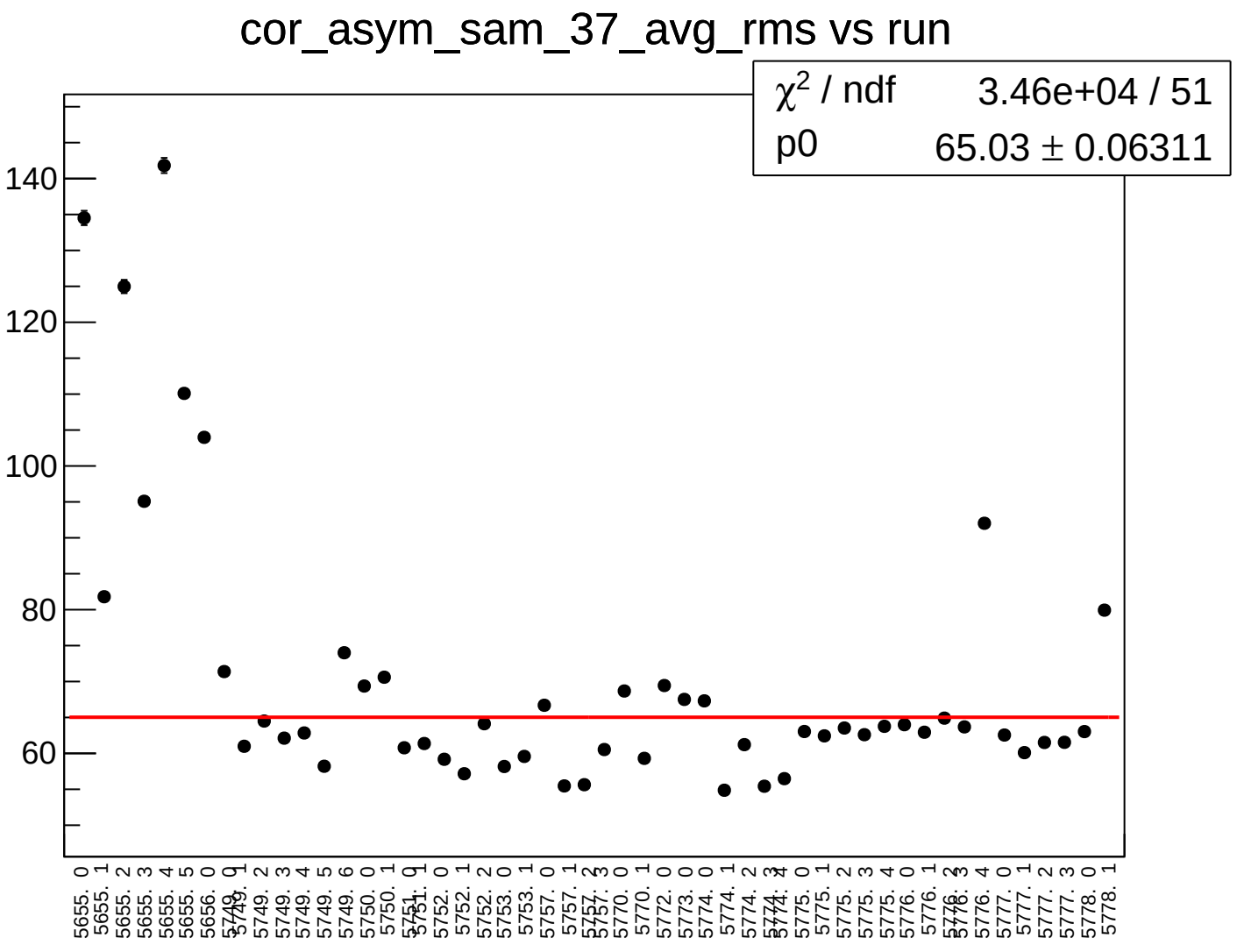

asym_sam_37_avg_reg_correction_mean vs run
χ² / ndf 47.94 / 51
p0 −67.04 ± 1046
60000
40000
20000
0
−20000
pull
Entries 52
Mean −72.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 52
Mean 0.01824
Std Dev 0.96
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 4.78e+04 / 51
p0 757.3 ± 0.7395
1600
1400
1200
1000
800
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_sam_37_avg_mean vs run
χ² / ndf 53 / 51
p0 −46.9 ± 89.25
pull
Entries 52
Mean 451.9
Std Dev 0


pull1D
Entries 52
Mean −0.007586
Std Dev 1.009


cor_asym_sam_37_avg_rms vs run
χ^2 / ndf 3.46e+04 / 51
p0 65.03 ± 0.06311
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
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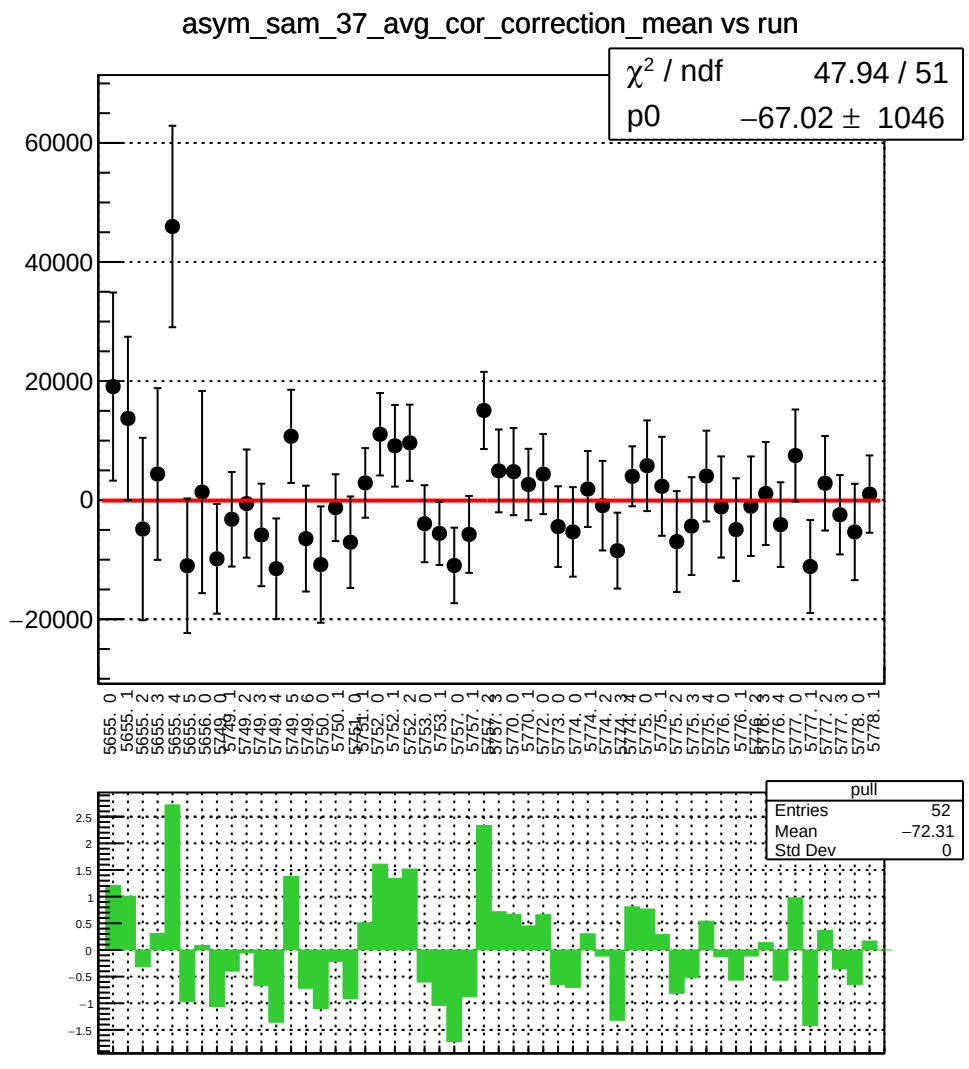
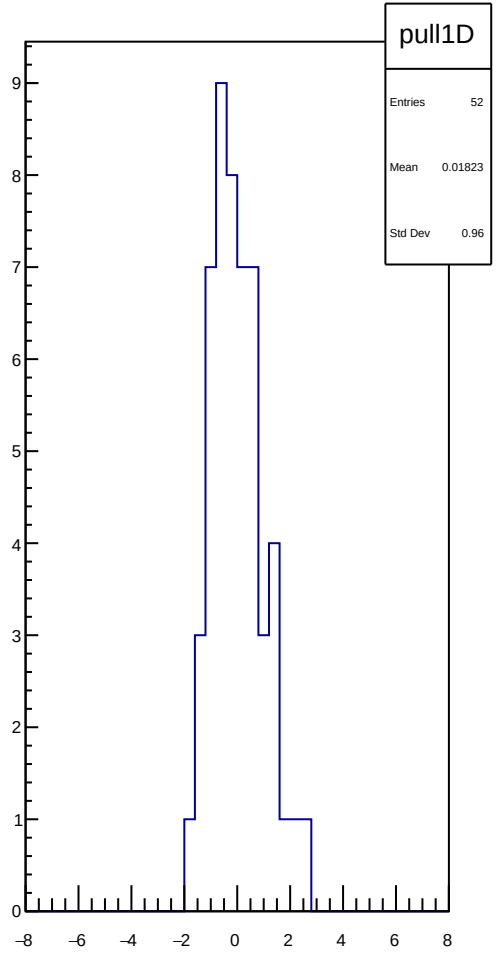
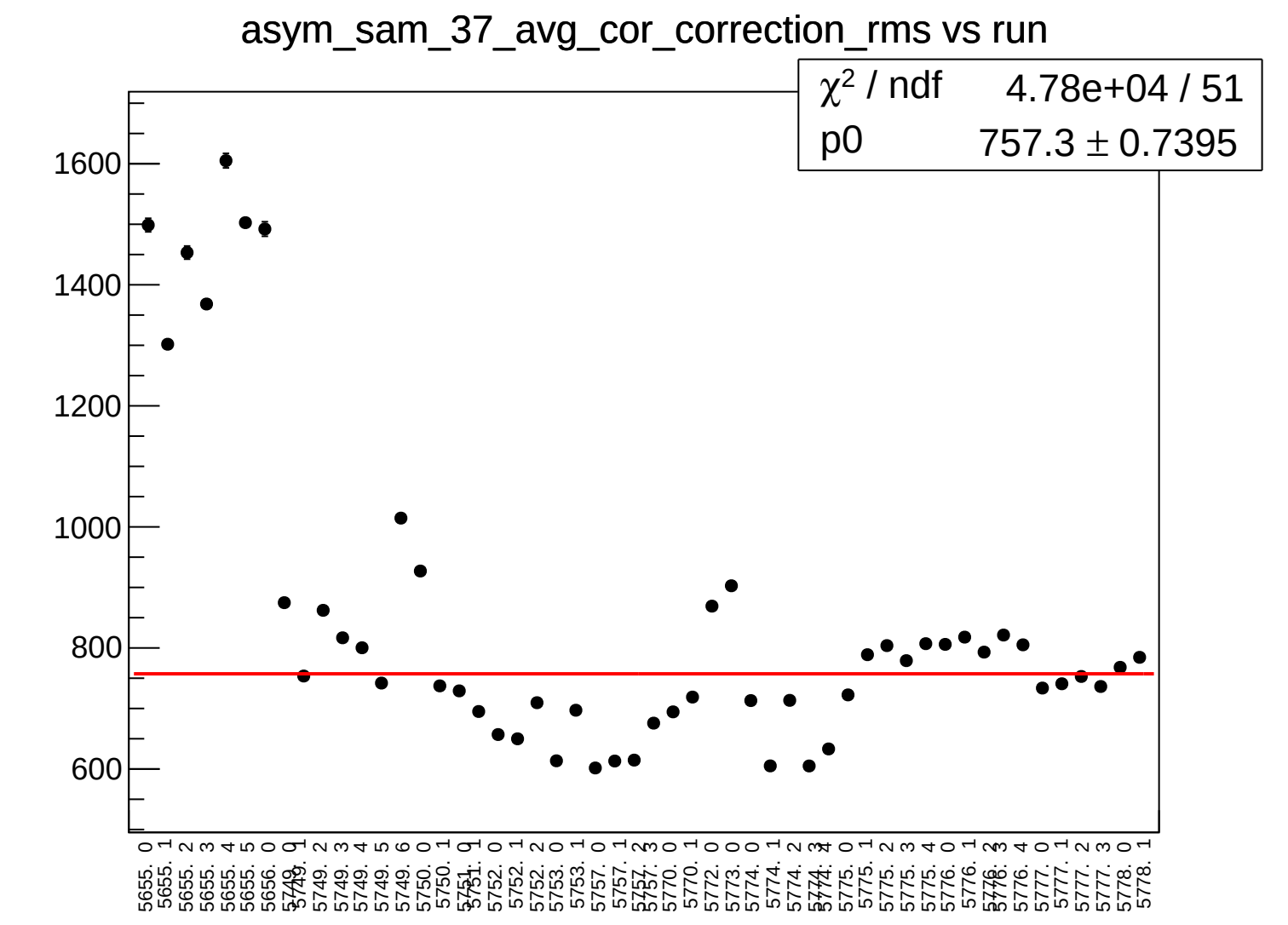
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_37_avg_cor_correction_mean vs run
χ² / ndf 47.94 / 51
p0 −67.02 ± 1046
60000
40000
20000
0
−20000
pull
Entries 52
Mean −72.31
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 52
Mean 0.01823
Std Dev 0.96
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 4.78e+04 / 51
p0 757.3 ± 0.7395
1600
1400
1200
1000
800
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
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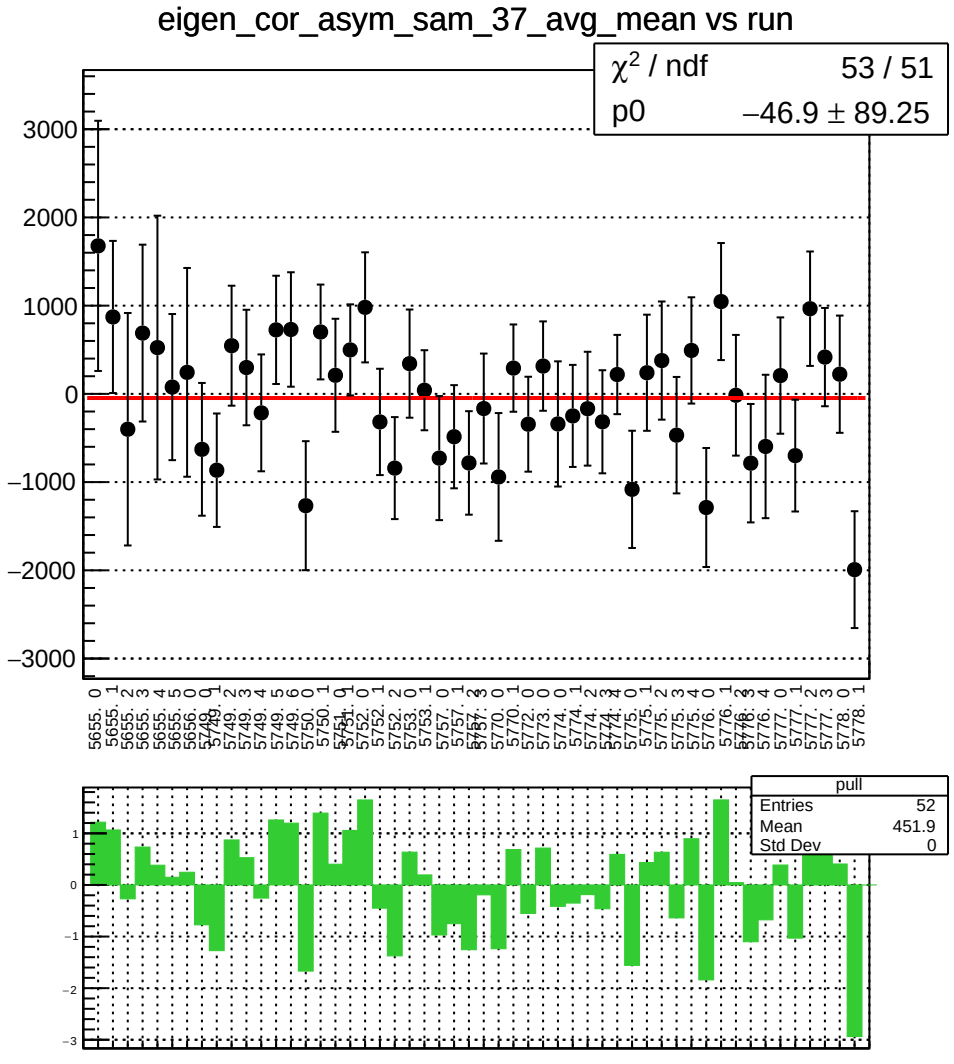
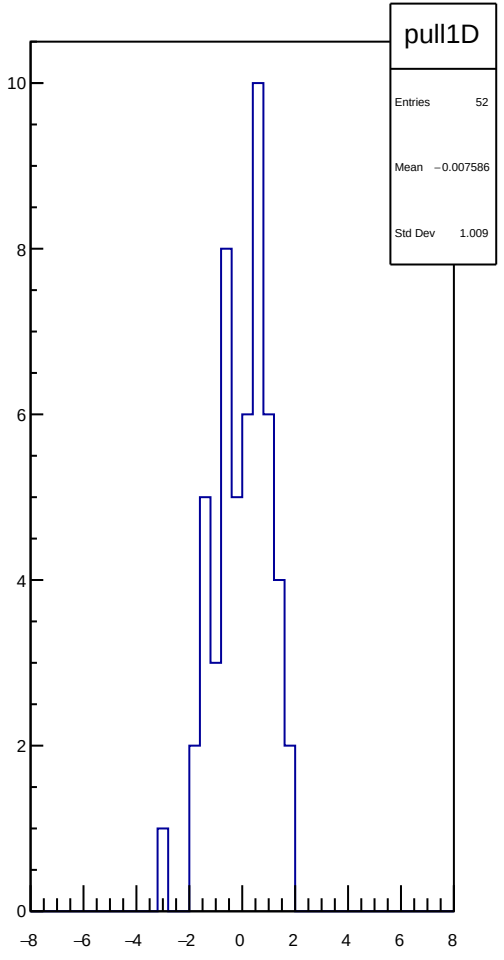
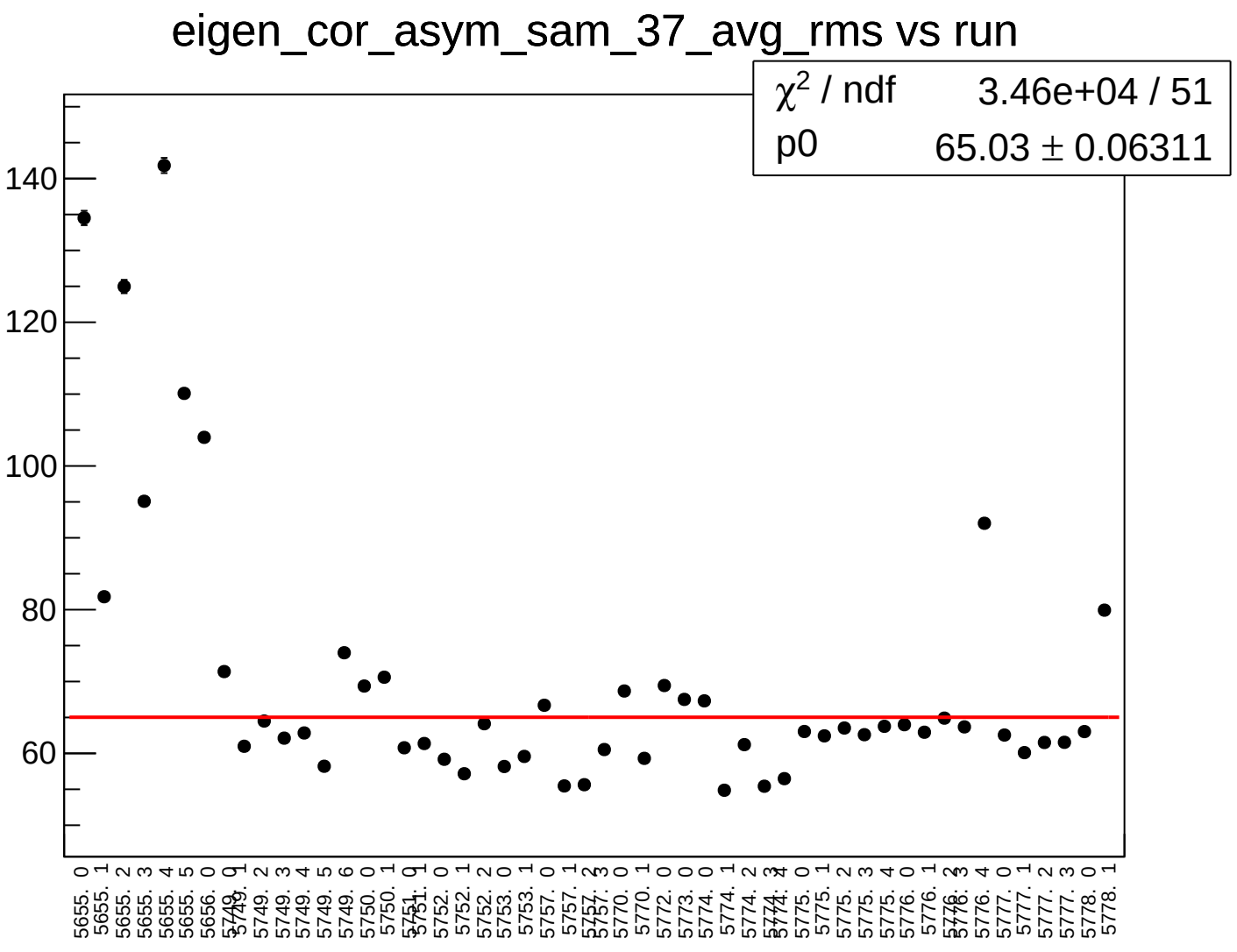
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_sam_37_avg_mean vs run
χ² / ndf 53 / 51
p0 −46.9 ± 89.25
pull
Entries 52
Mean 451.9
Std Dev 0


pull1D
Entries 52
Mean −0.007586
Std Dev 1.009


eigen_cor_asym_sam_37_avg_rms vs run
χ^2 / ndf 3.46e+04 / 51
p0 65.03 ± 0.06311
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
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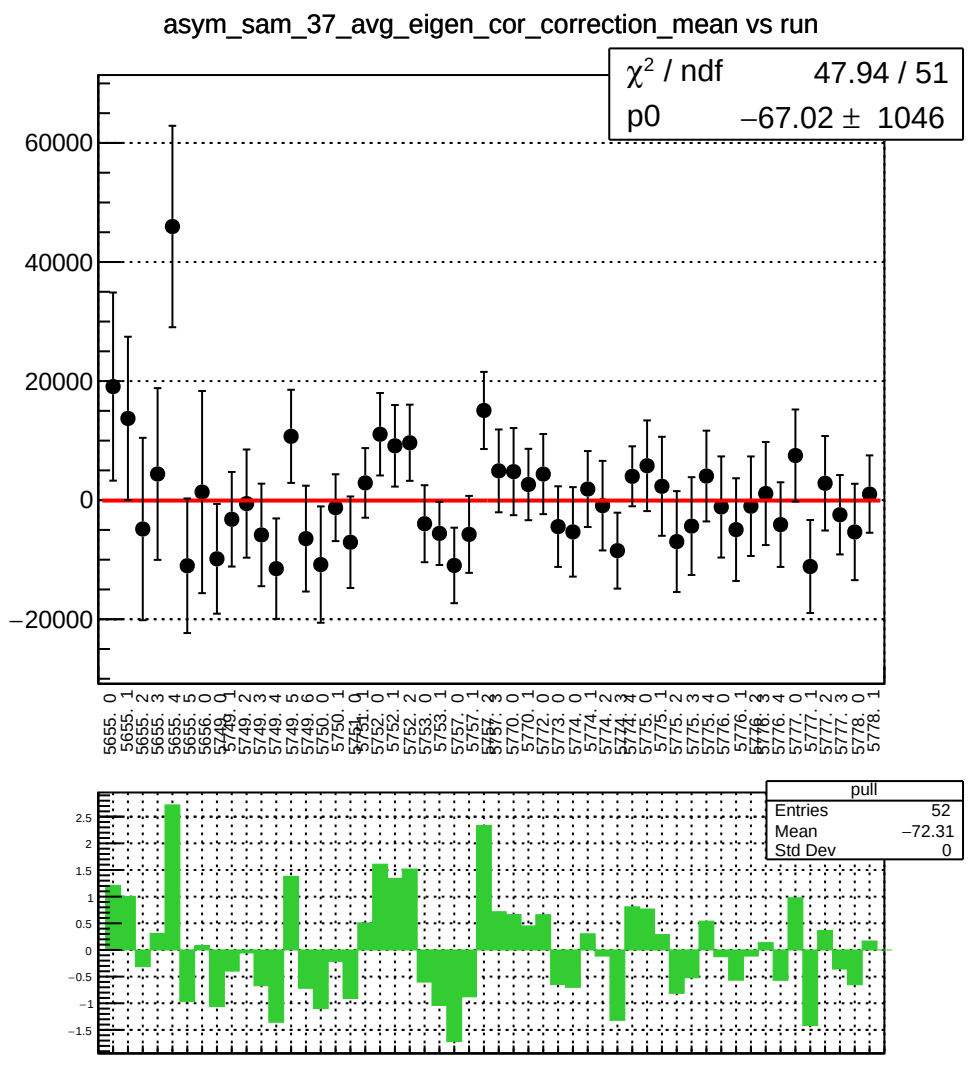
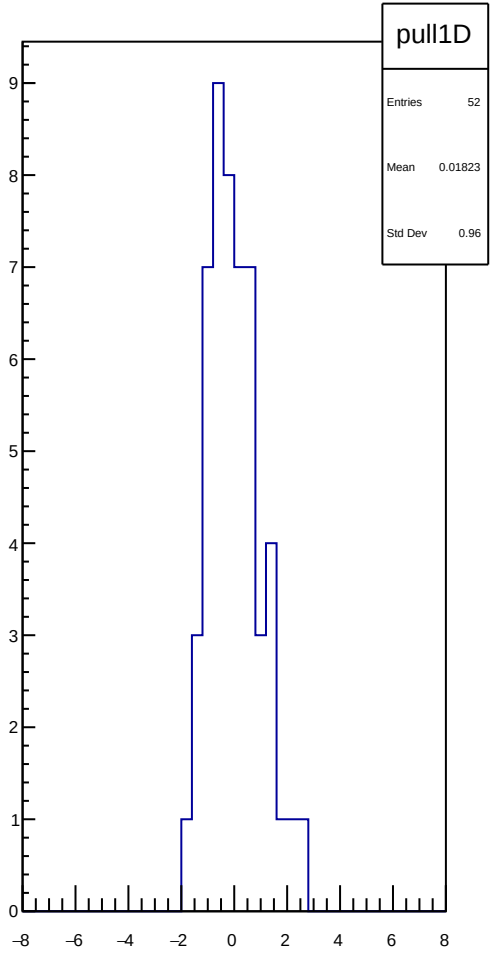
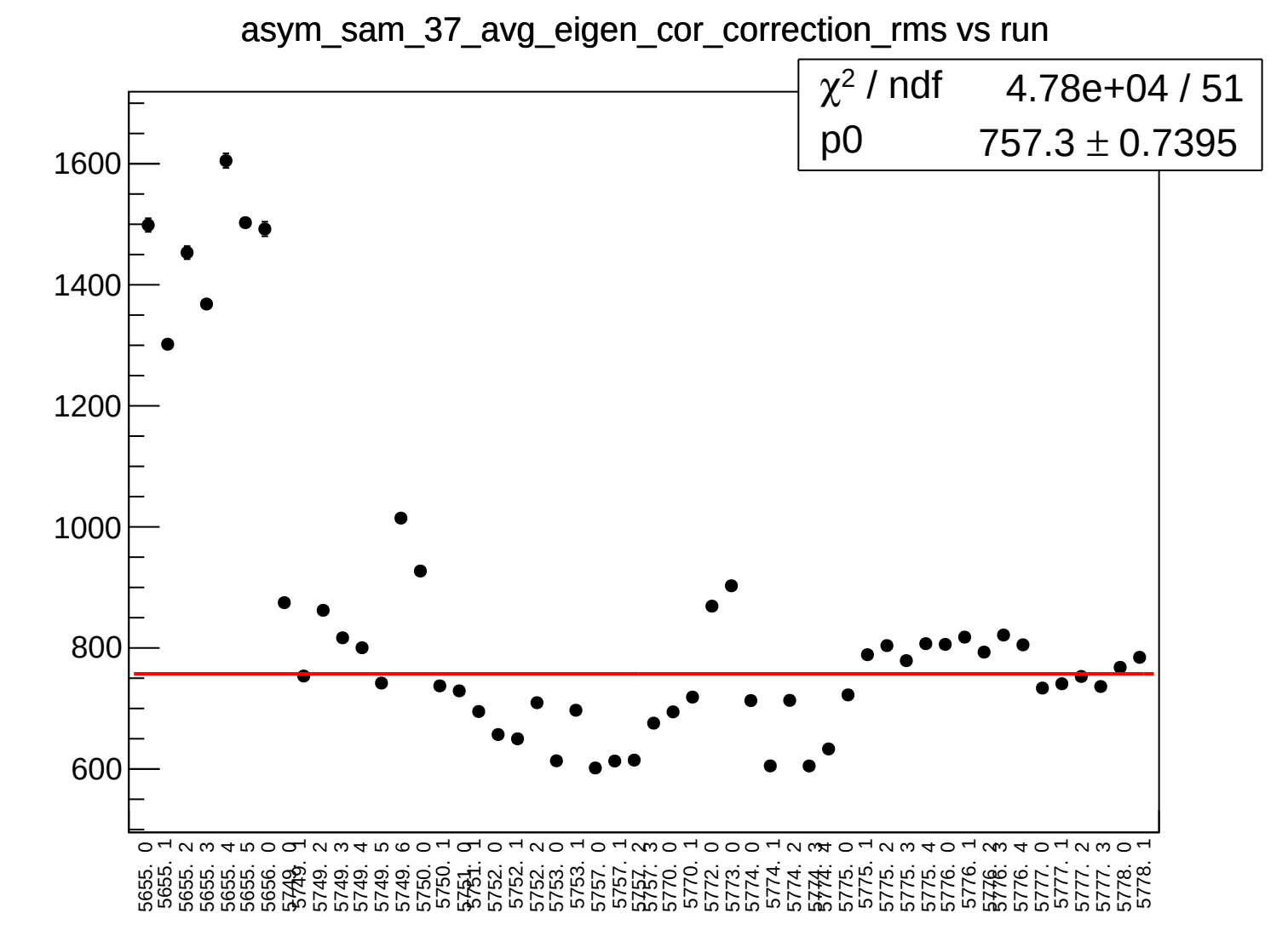
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_37_avg_eigen_cor_correction_mean vs run
χ² / ndf 47.94 / 51
p0 −67.02 ± 1046
60000
40000
20000
0
−20000
pull
Entries 52
Mean −72.31
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 52
Mean 0.01823
Std Dev 0.96
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 4.78e+04 / 51
p0 757.3 ± 0.7395
1600
1400
1200
1000
800
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
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5757. 2
5757. 3
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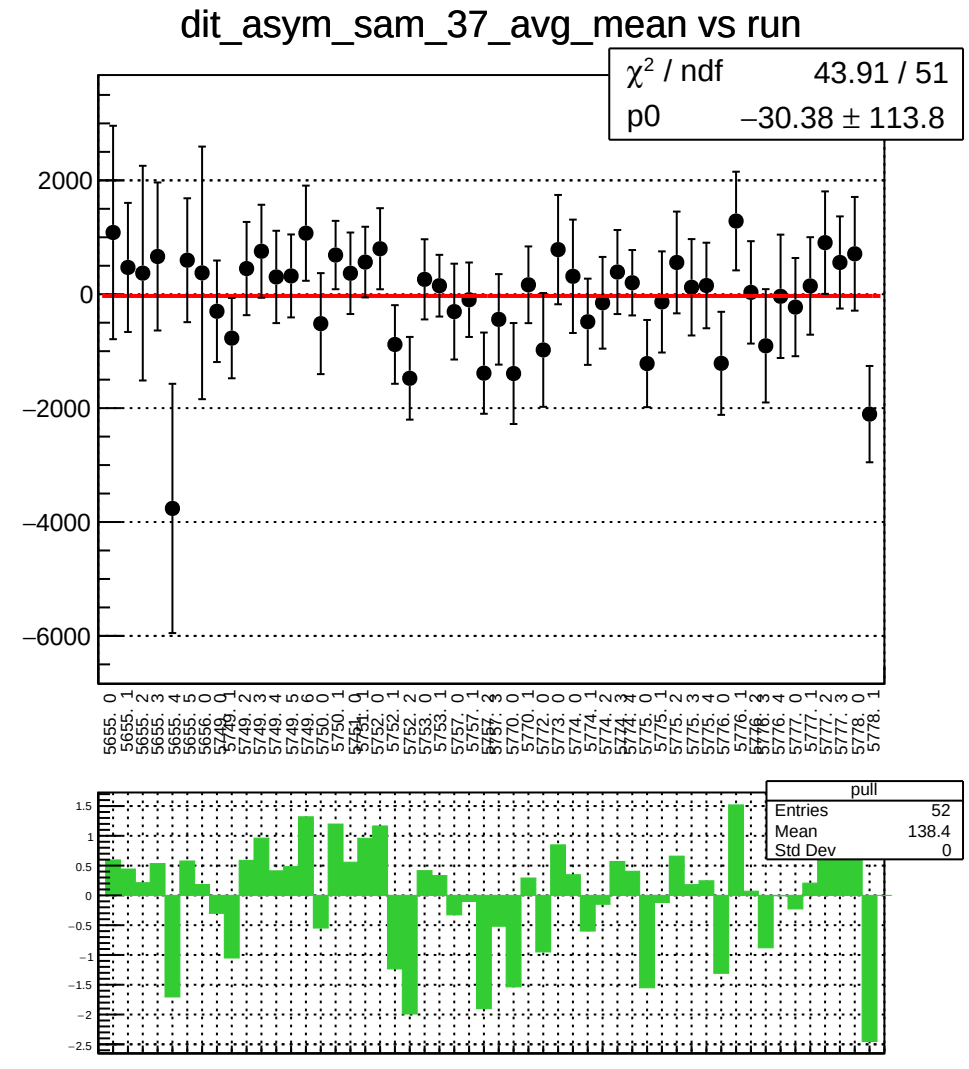
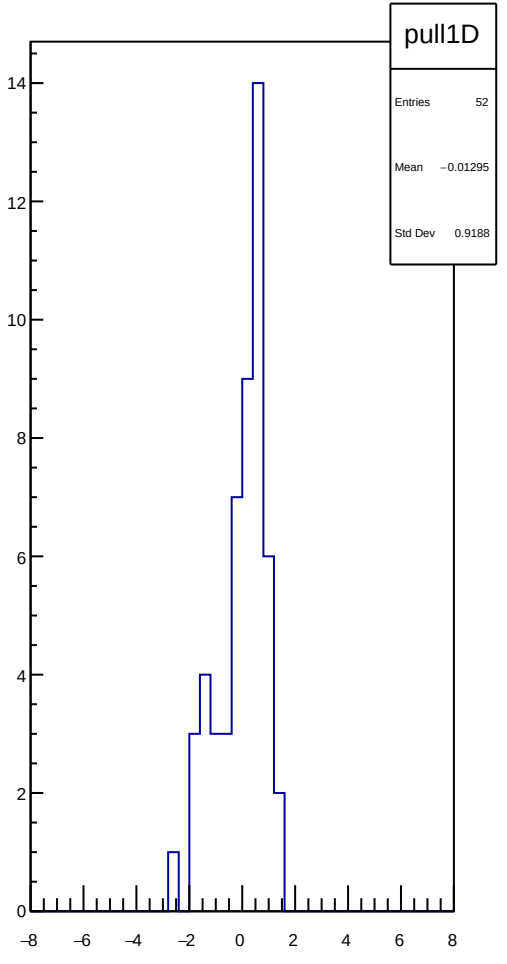
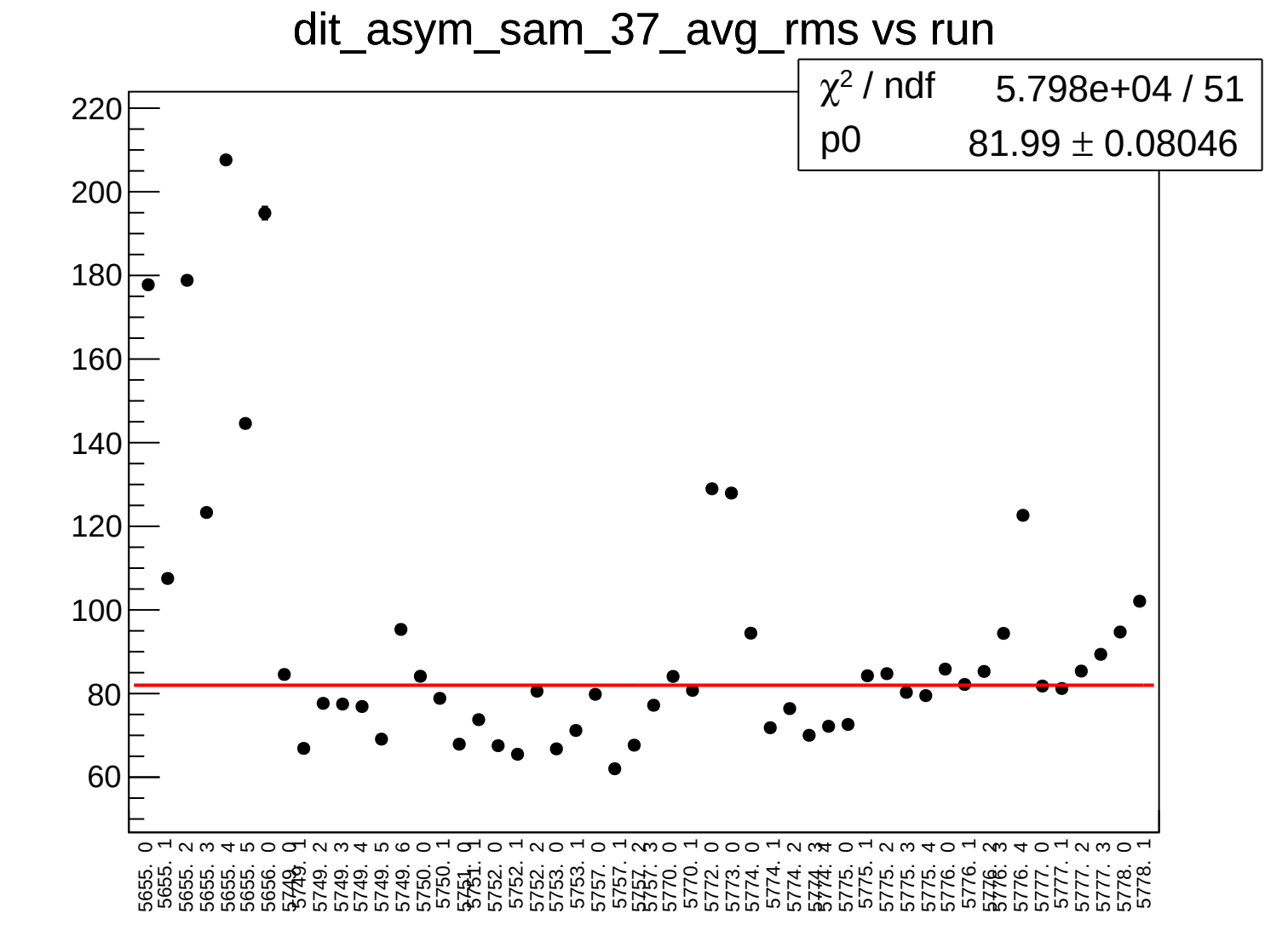
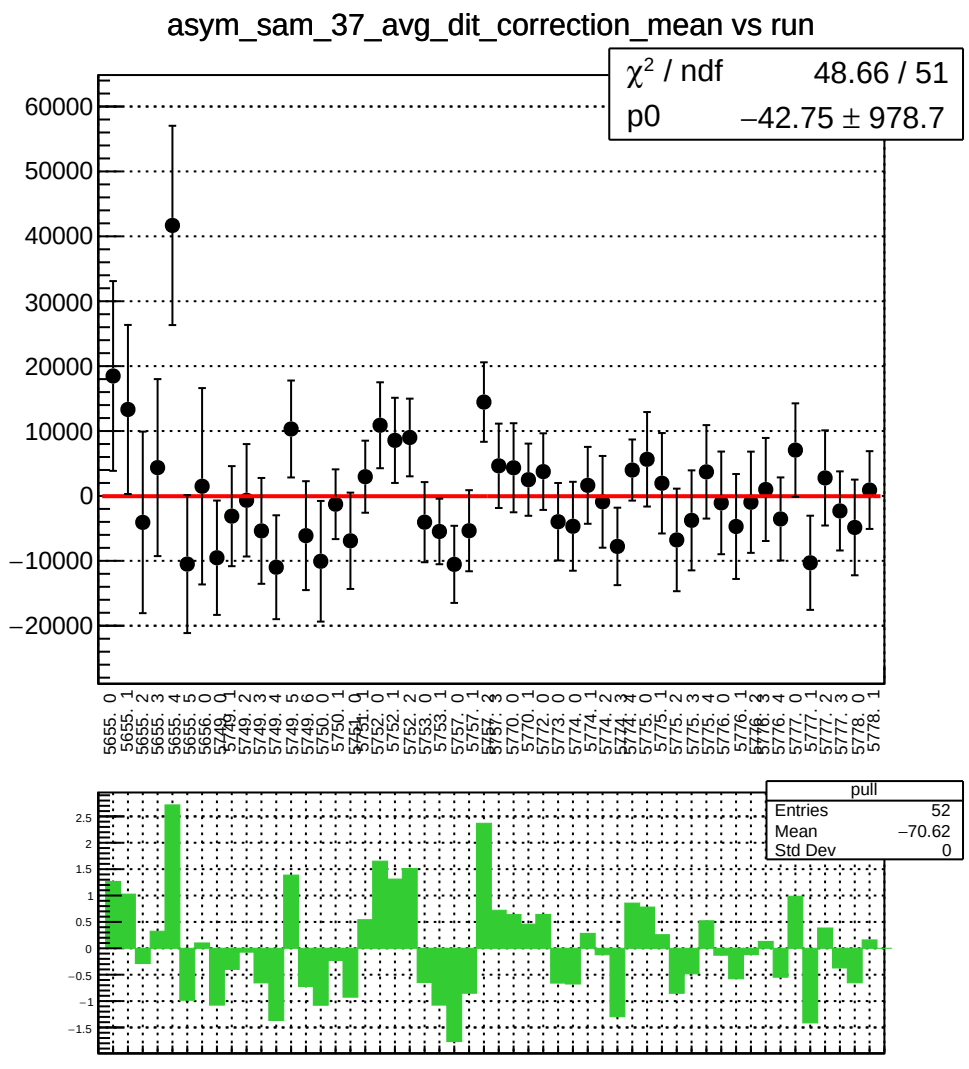
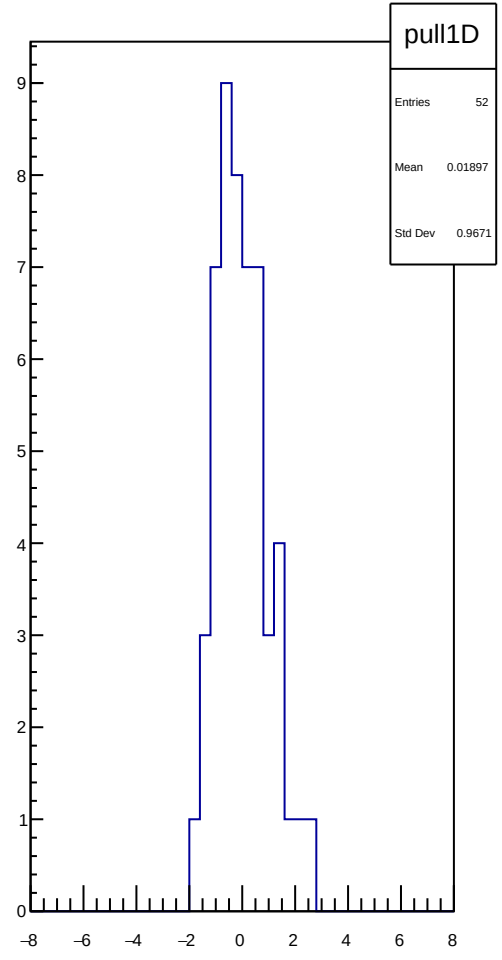
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

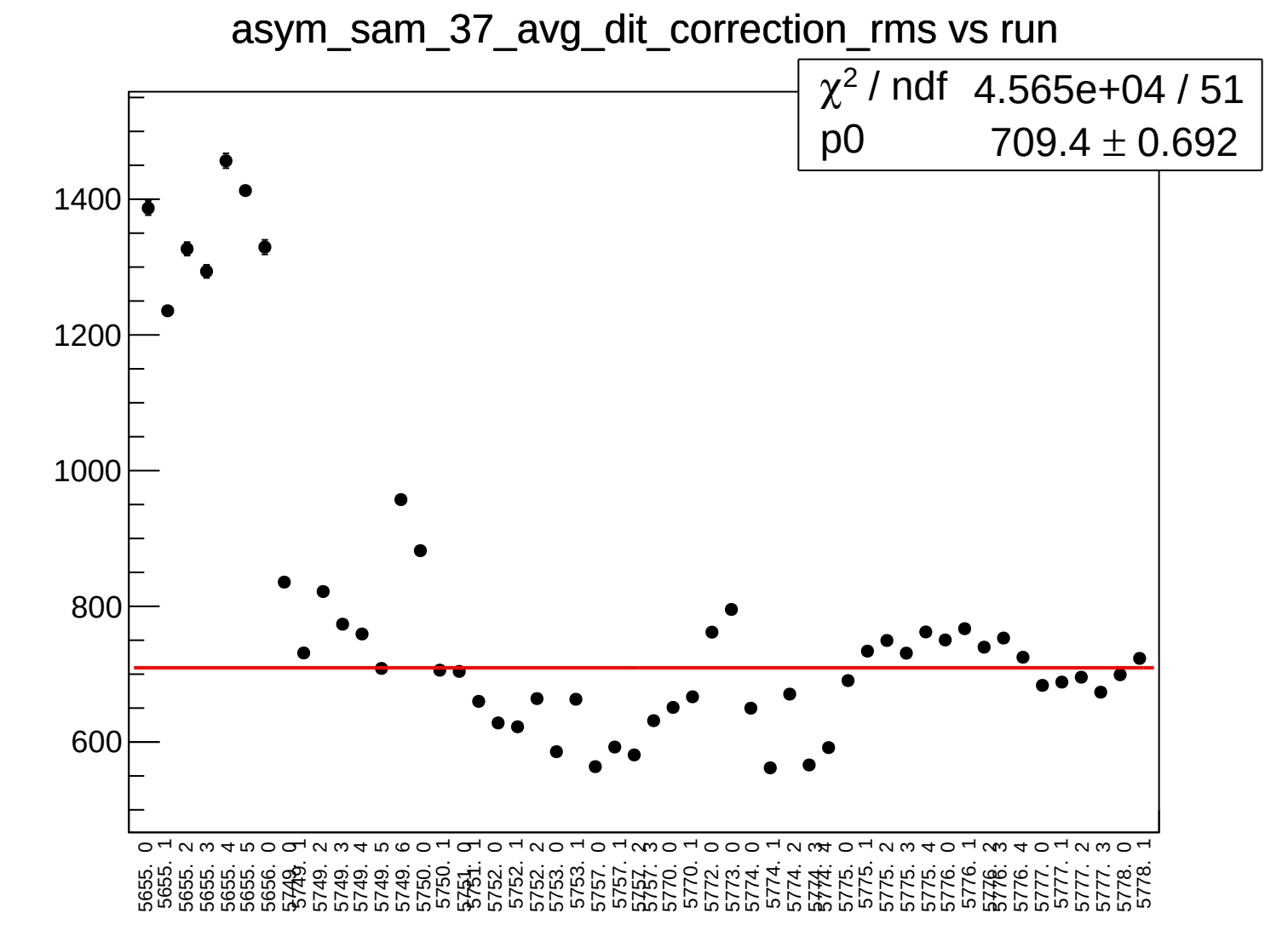

dit_asym_sam_37_avg_mean vs run
χ² / ndf 43.91 / 51
p0 −30.38 ± 113.8
2000
0
−2000
−4000
−6000
pull
Entries 52
Mean 138.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

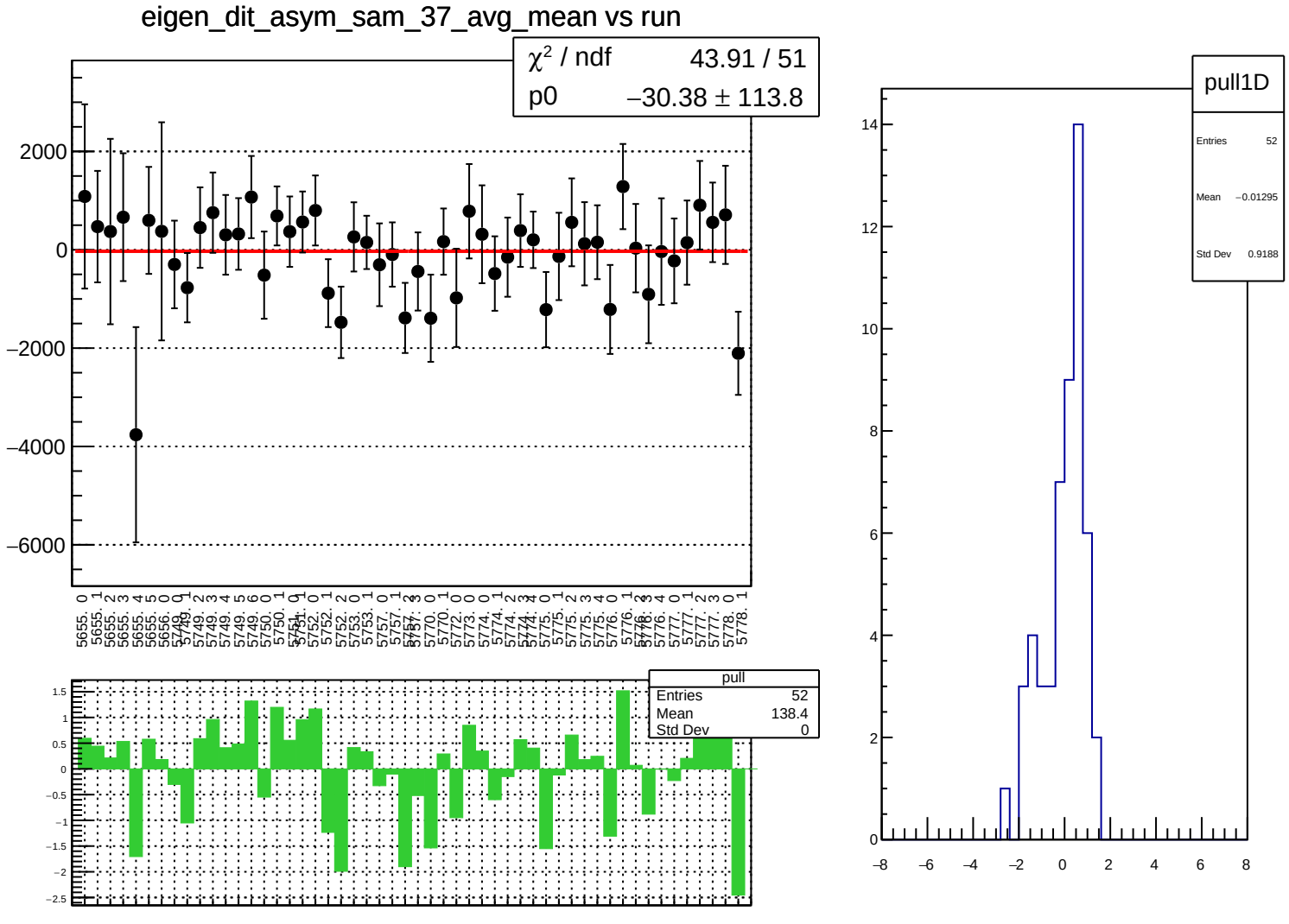

pull1D
Entries 52
Mean −0.01295
Std Dev 0.9188
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

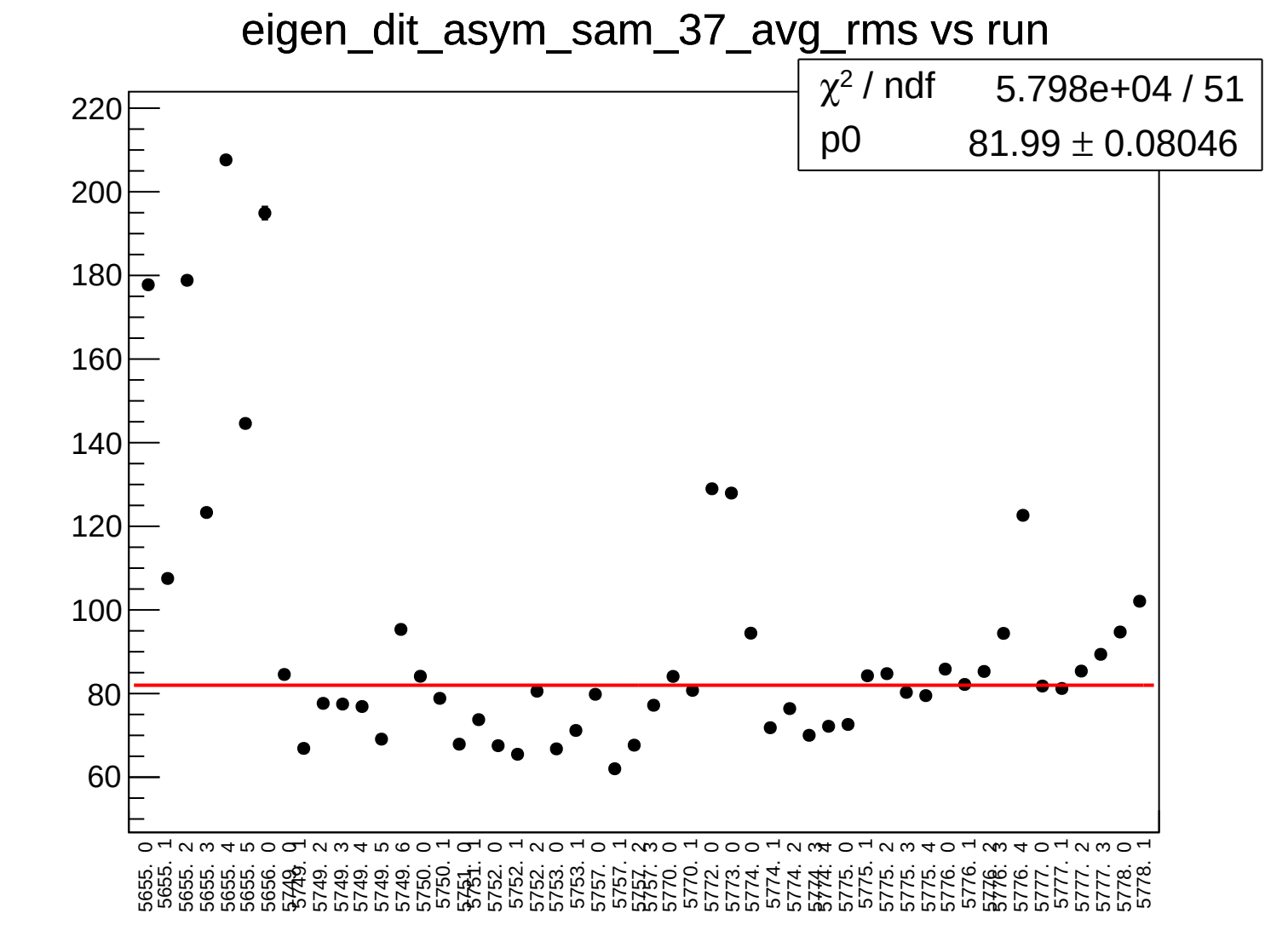

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 5.798e+04 / 51
p0 81.99 ± 0.08046
220
200
180
160
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

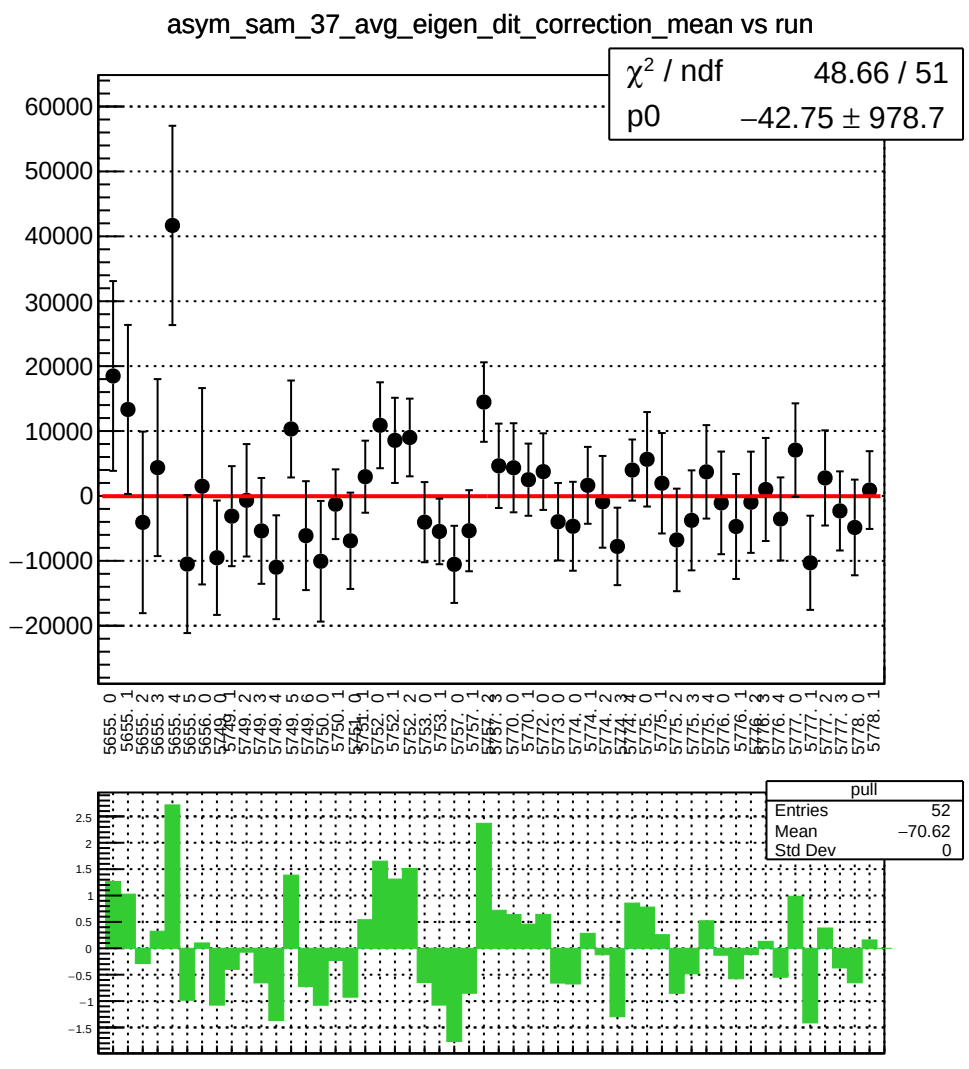

asym_sam_37_avg_dit_correction_mean vs run
χ² / ndf 48.66 / 51
p0 −42.75 ± 978.7
pull
Entries 52
Mean −70.62
Std Dev 0

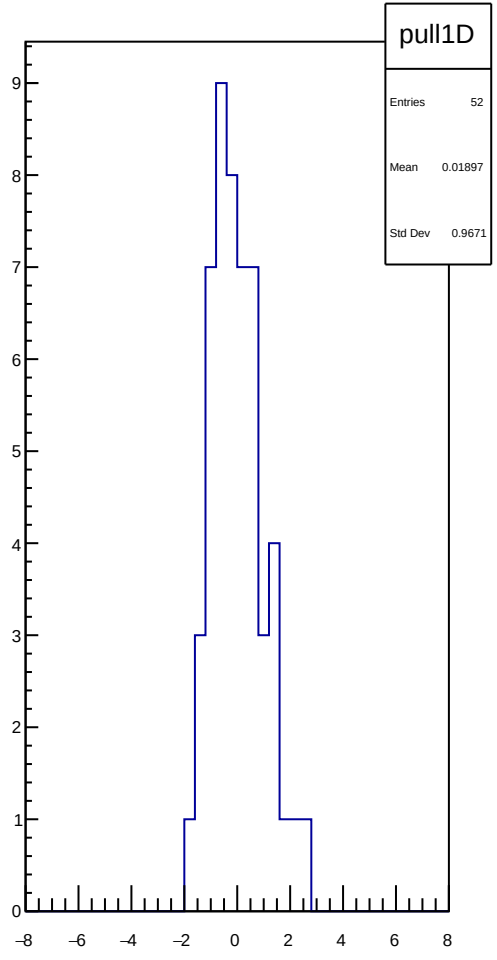

pull1D
Entries 52
Mean 0.01897
Std Dev 0.9671

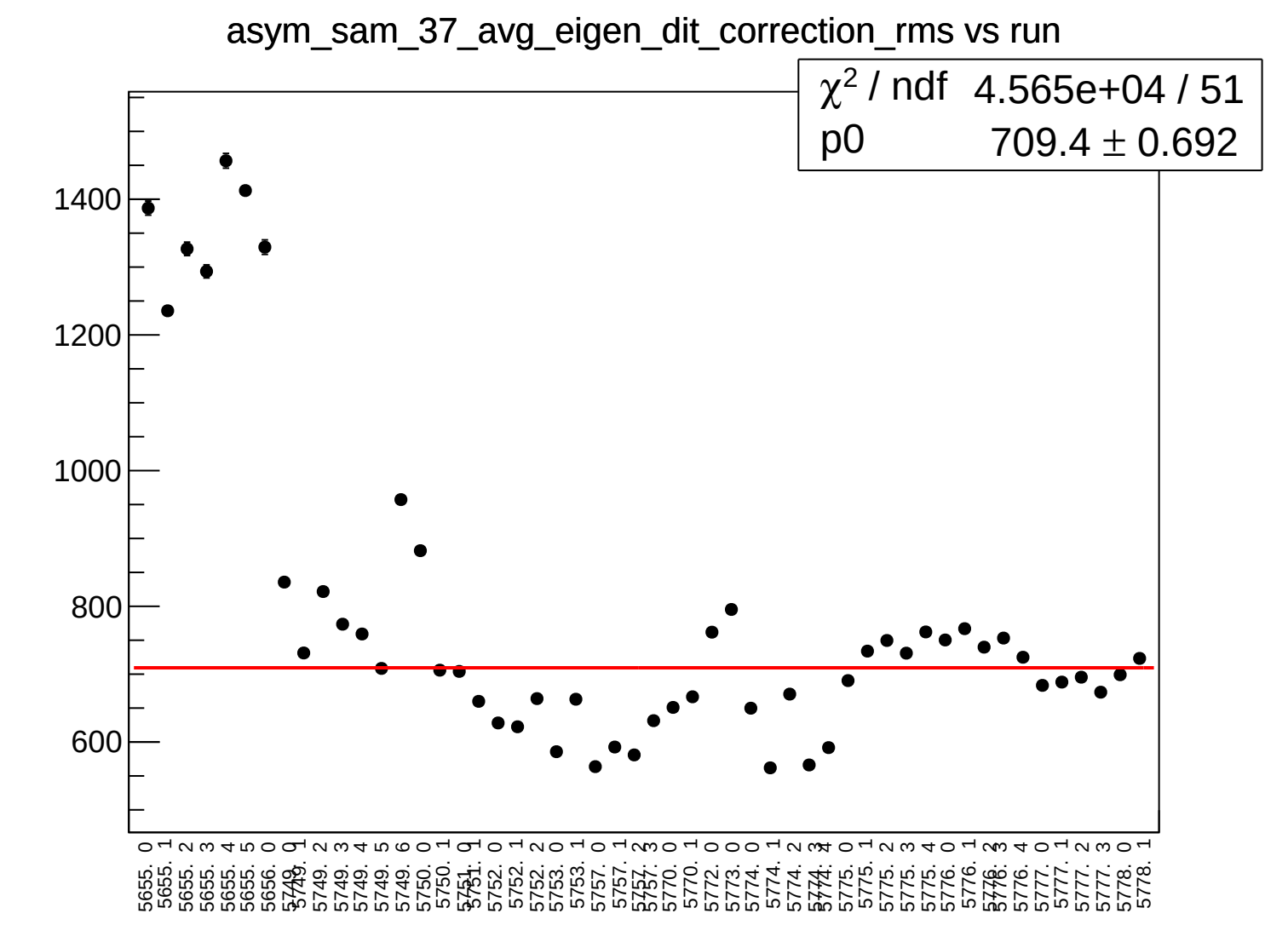

asym_sam_37_avg_dit_correction_rms vs run
χ² / ndf 4.565e+04 / 51
p0 709.4 ± 0.692
1400
1200
1000
800
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

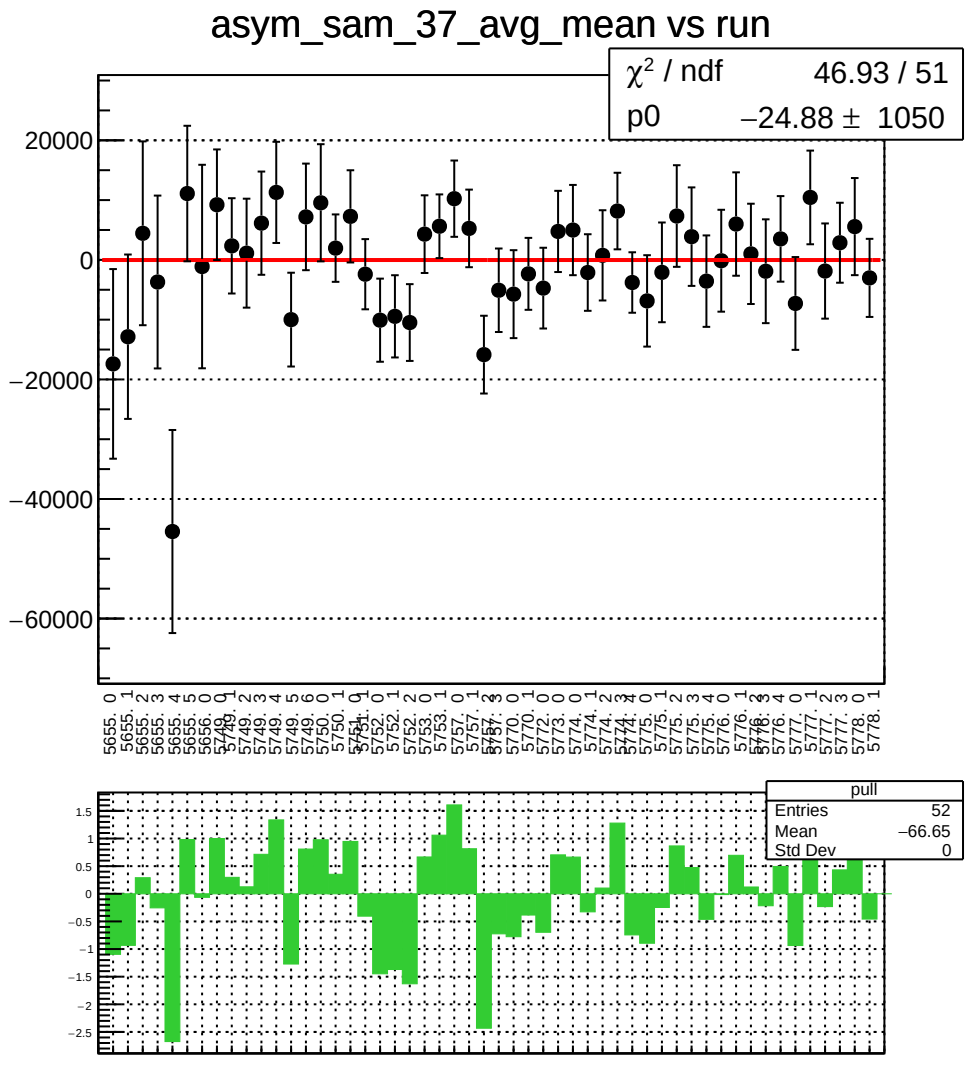

eigen_dit_asym_sam_37_avg_mean vs run
χ² / ndf 43.91 / 51
p0 −30.38 ± 113.8
2000
0
−2000
−4000
−6000
pull
Entries 52
Mean 138.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 52
Mean −0.01295
Std Dev 0.9188
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

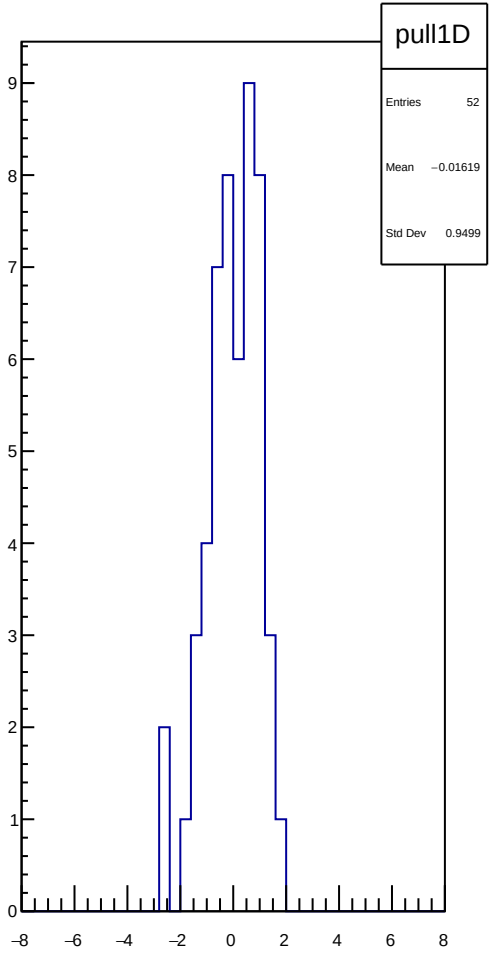

eigen_dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 5.798e+04 / 51
p0 81.99 ± 0.08046
220
200
180
160
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

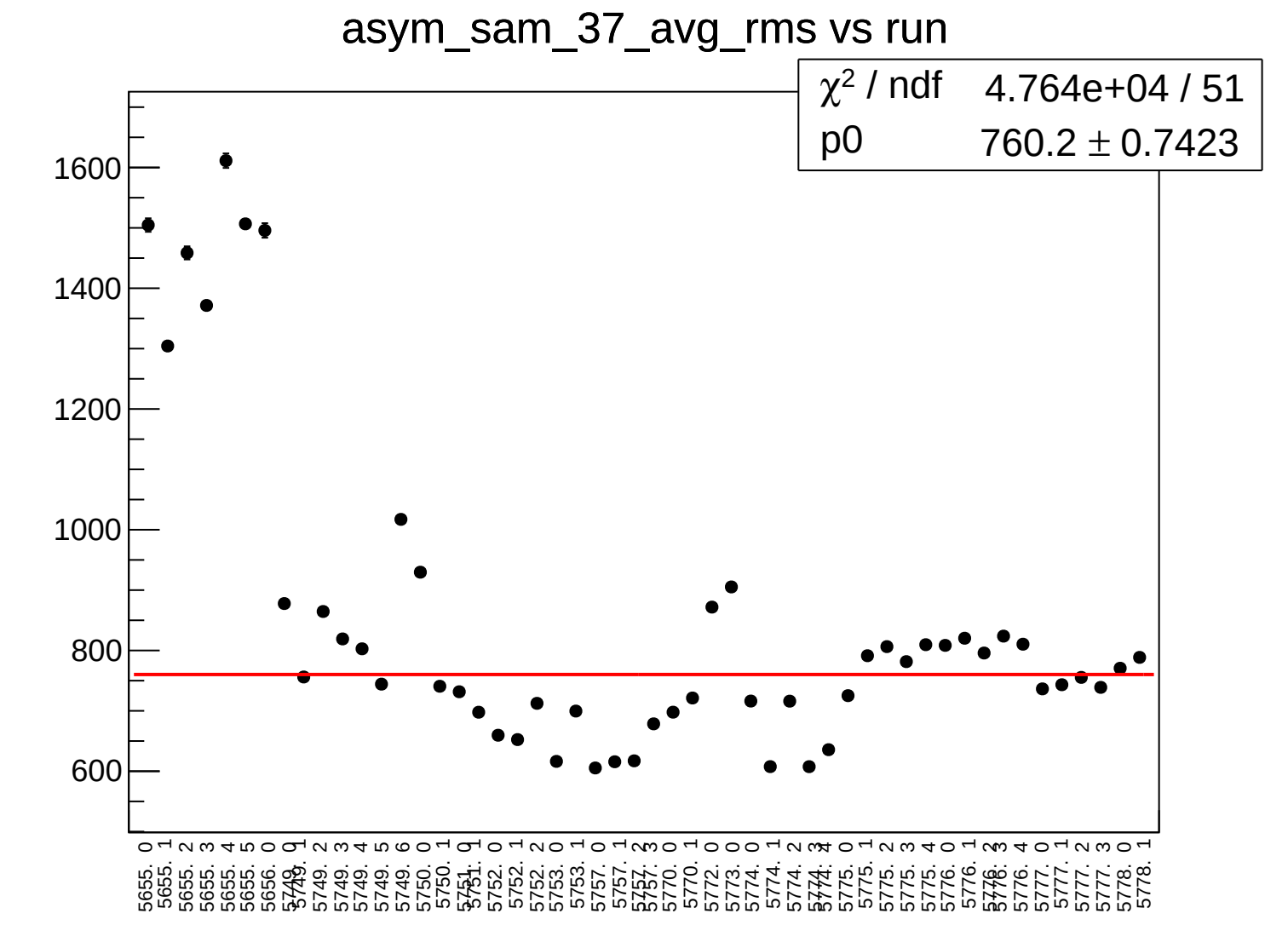

asym_sam_37_avg_eigen_dit_correction_mean vs run
χ² / ndf 48.66 / 51
p0 −42.75 ± 978.7
pull
Entries 52
Mean −70.62
Std Dev 0

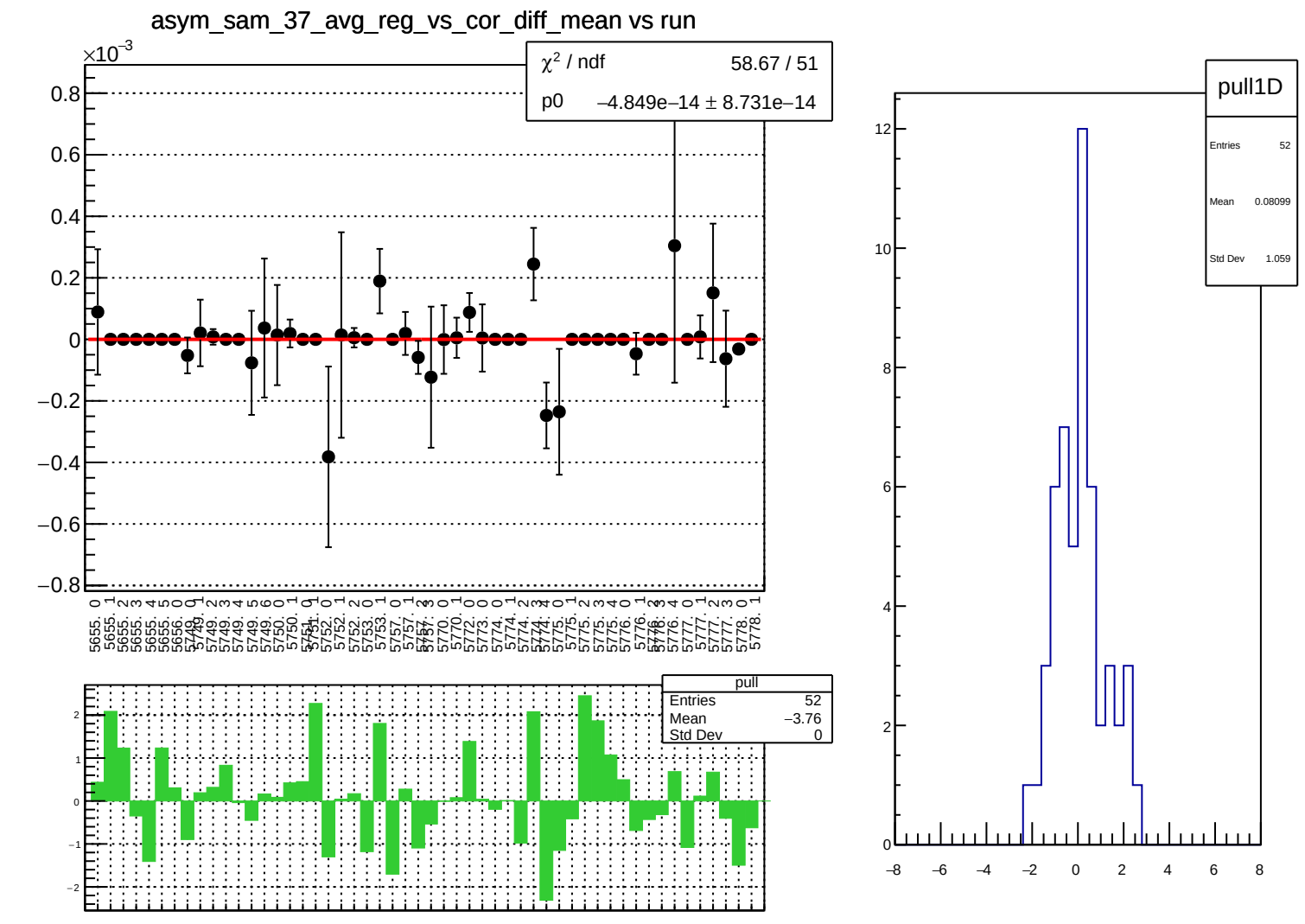

pull1D
Entries 52
Mean 0.01897
Std Dev 0.9671

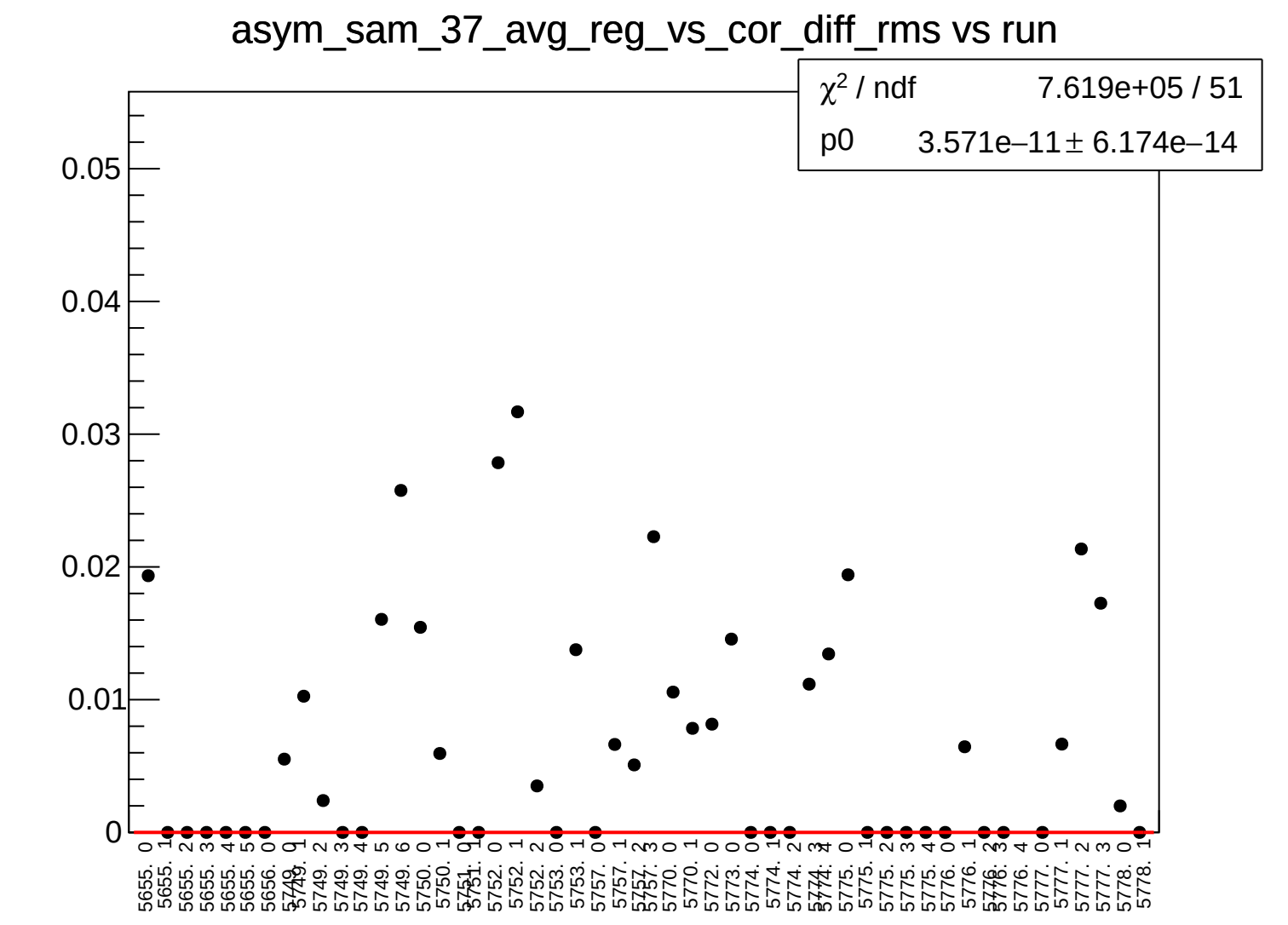

asym_sam_37_avg_eigen_dit_correction_rms vs run
χ² / ndf 4.565e+04 / 51
p0 709.4 ± 0.692
1400
1200
1000
800
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

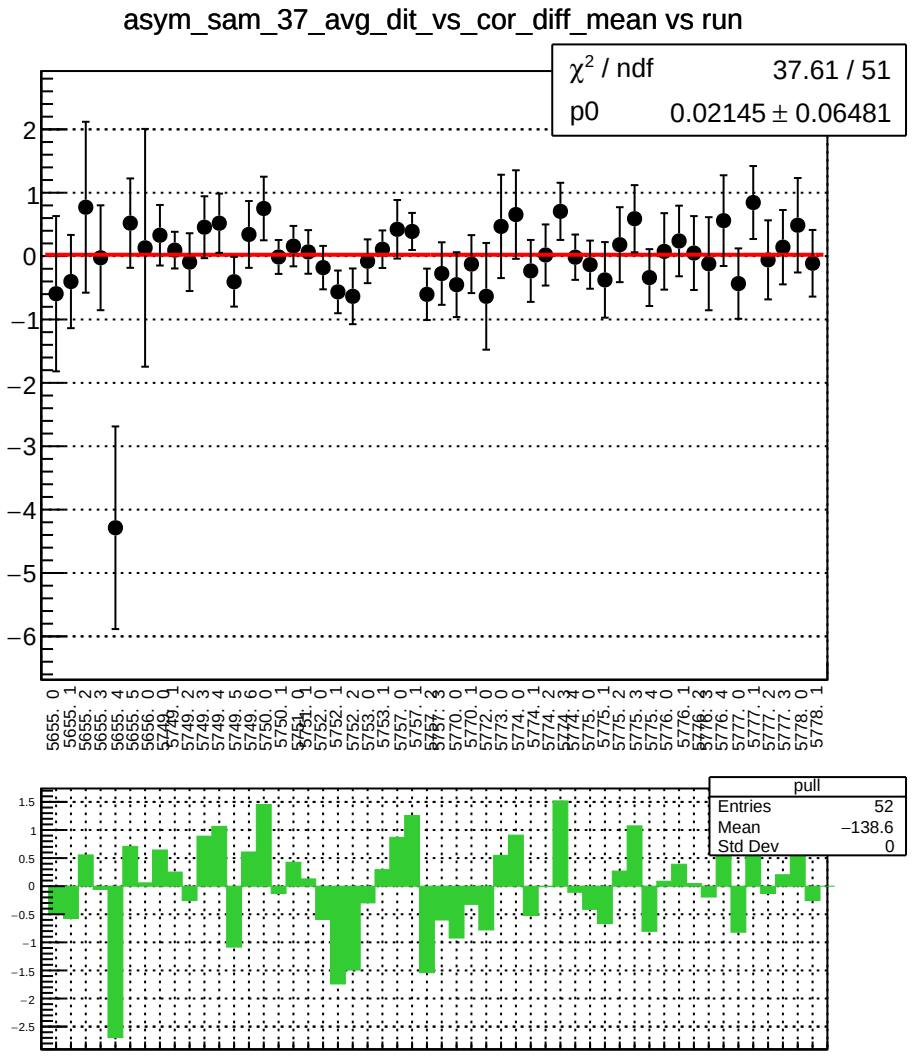

asym_sam_37_avg_mean vs run
χ² / ndf 46.93 / 51
p0 −24.88 ± 1050
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −66.65
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

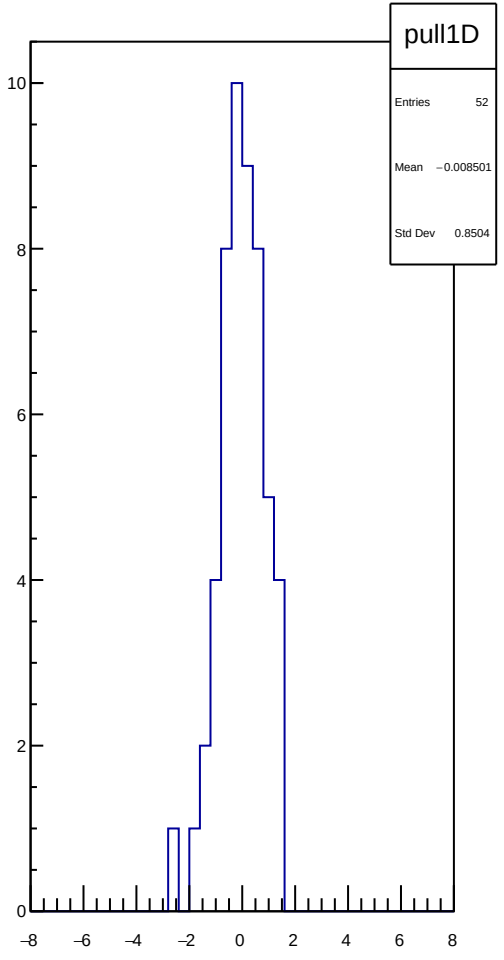

pull1D
Entries 52
Mean −0.01619
Std Dev 0.9499
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

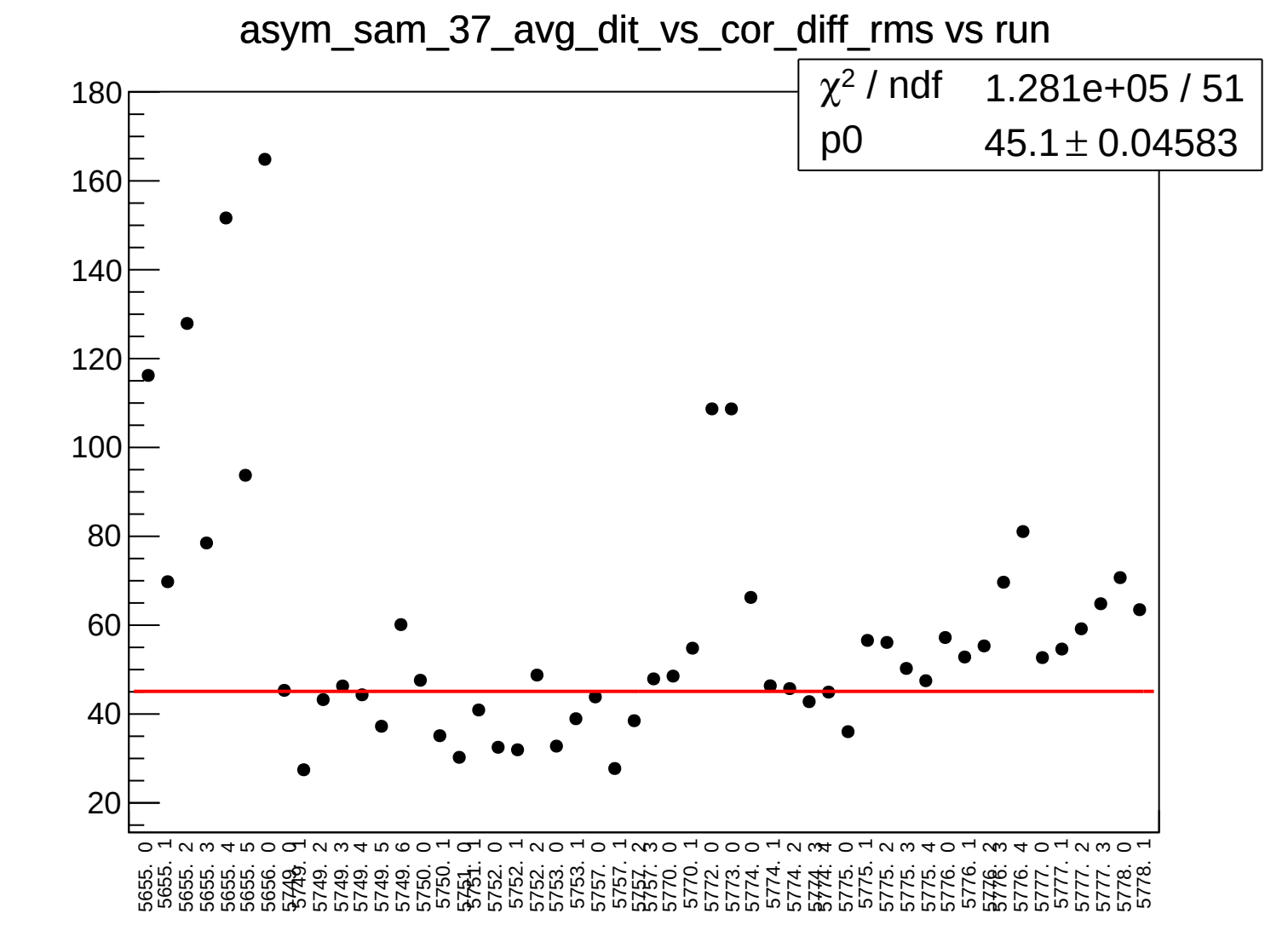

asym_sam_37_avg_rms vs run
χ² / ndf 4.764e+04 / 51
p0 760.2 ± 0.7423
1600
1400
1200
1000
800
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_37_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 58.67 / 51
p0 −4.849e−14 ± 8.731e−14
pull
Entries 52
Mean −3.76
Std Dev 0
pull1D
Entries 52
Mean 0.08099
Std Dev 1.059


asym_sam_37_avg_reg_vs_cor_diff_rms vs run
χ2 / ndf 7.619e+05 / 51
p0 3.571e−11 ± 6.174e−14
0.05
0.04
0.03
0.02
0.01
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_37_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 37.61 / 51
p0 0.02145 ± 0.06481
pull
Entries 52
Mean −138.6
Std Dev 0


pull1D
Entries 52
Mean −0.008501
Std Dev 0.8504


asym_sam_37_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.281e+05 / 51
p0 45.1 ± 0.04583
180
160
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
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5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
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5777. 2
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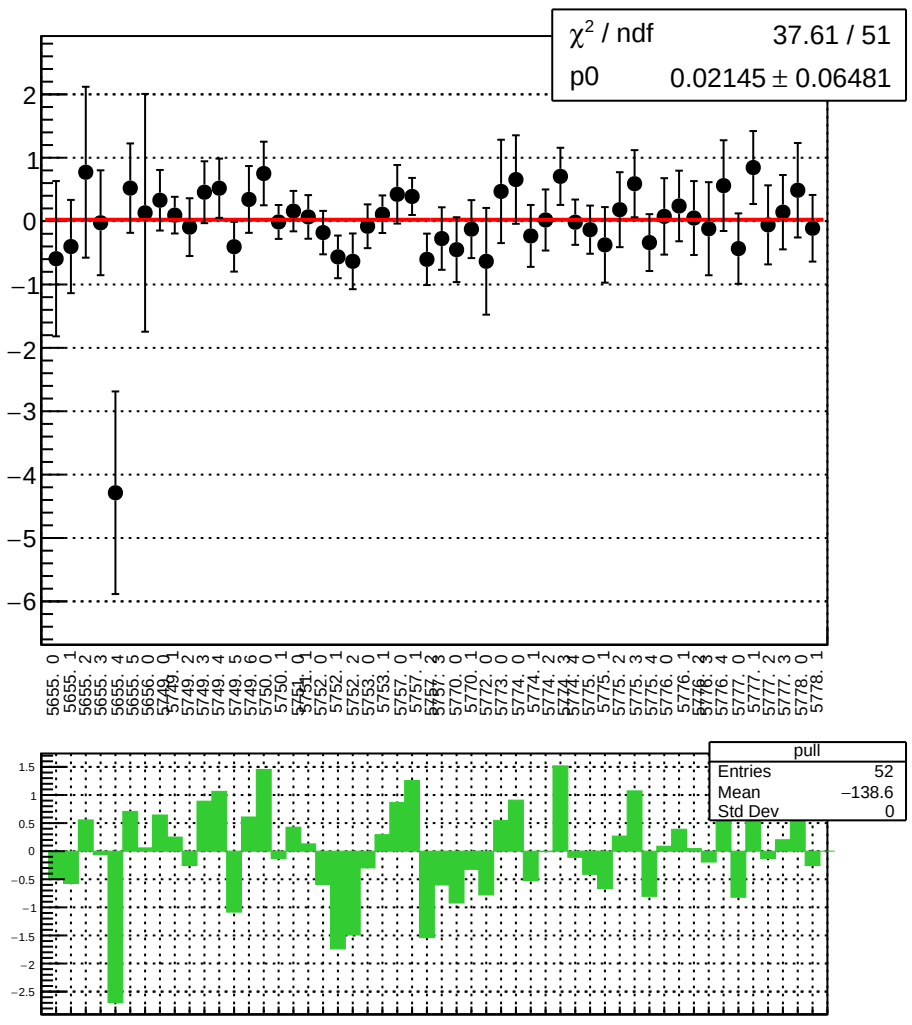
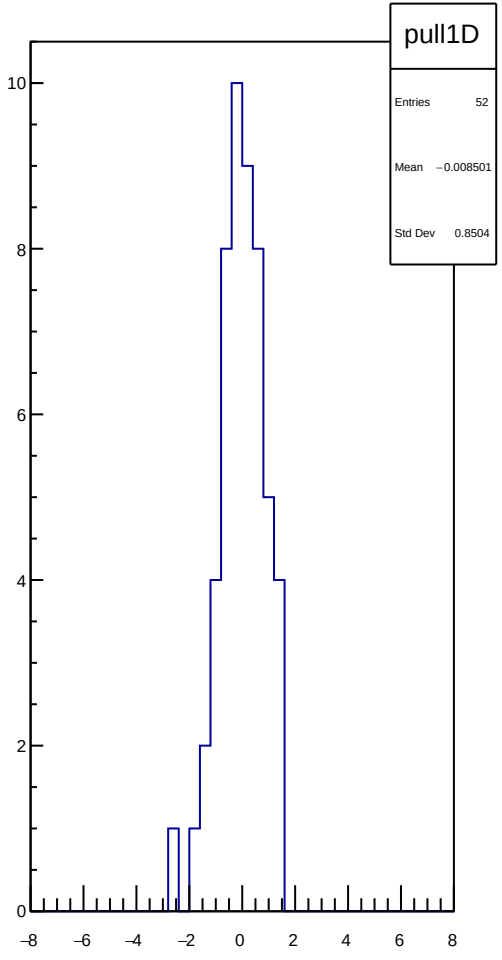
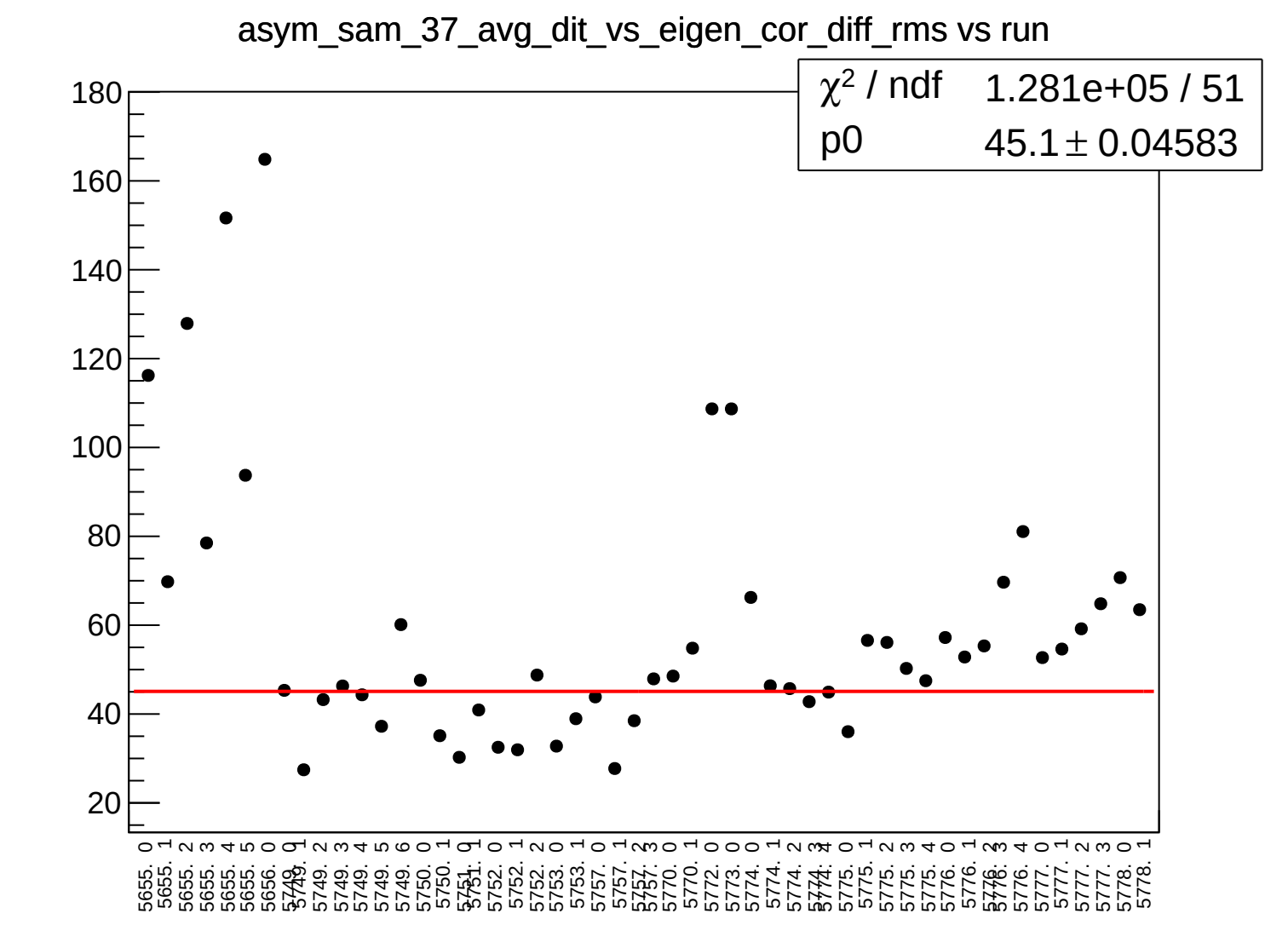
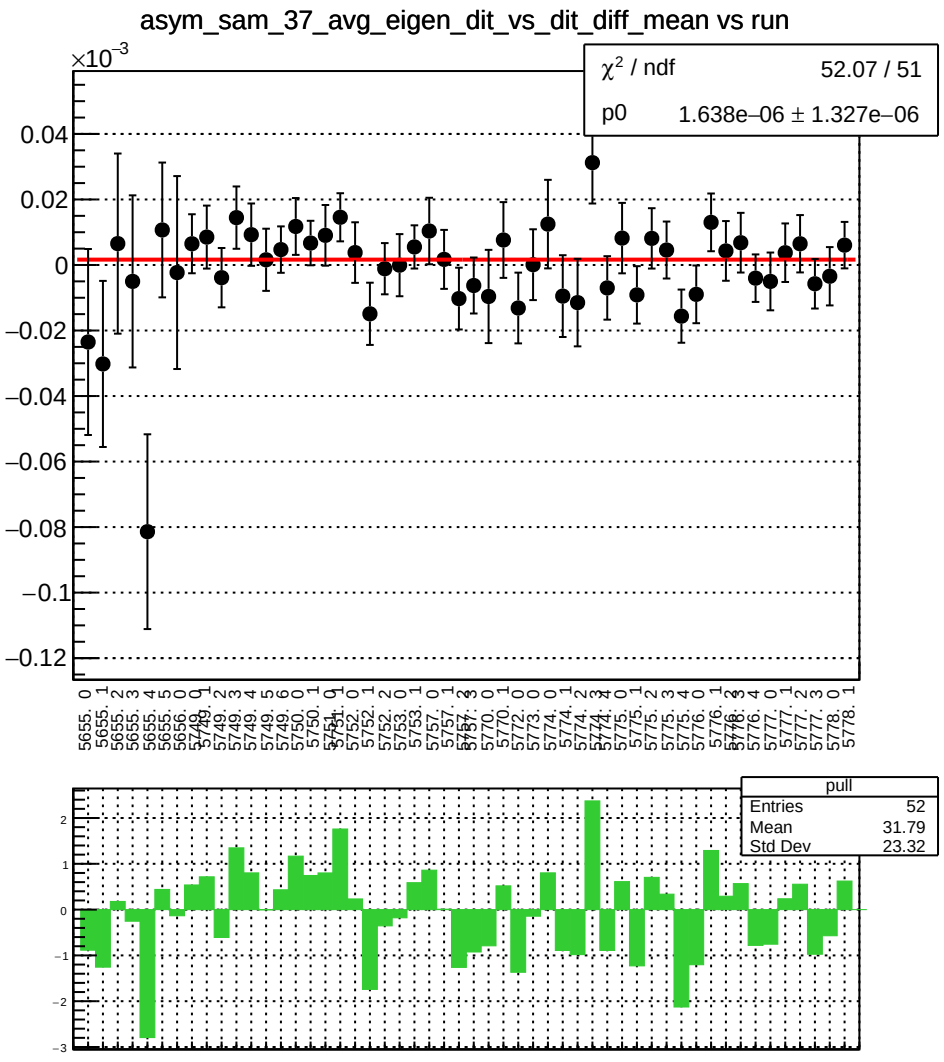
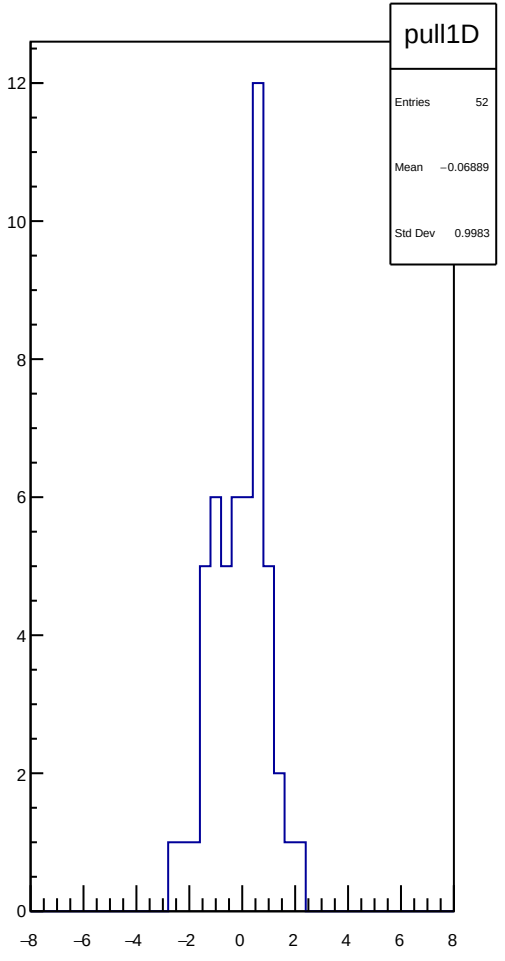
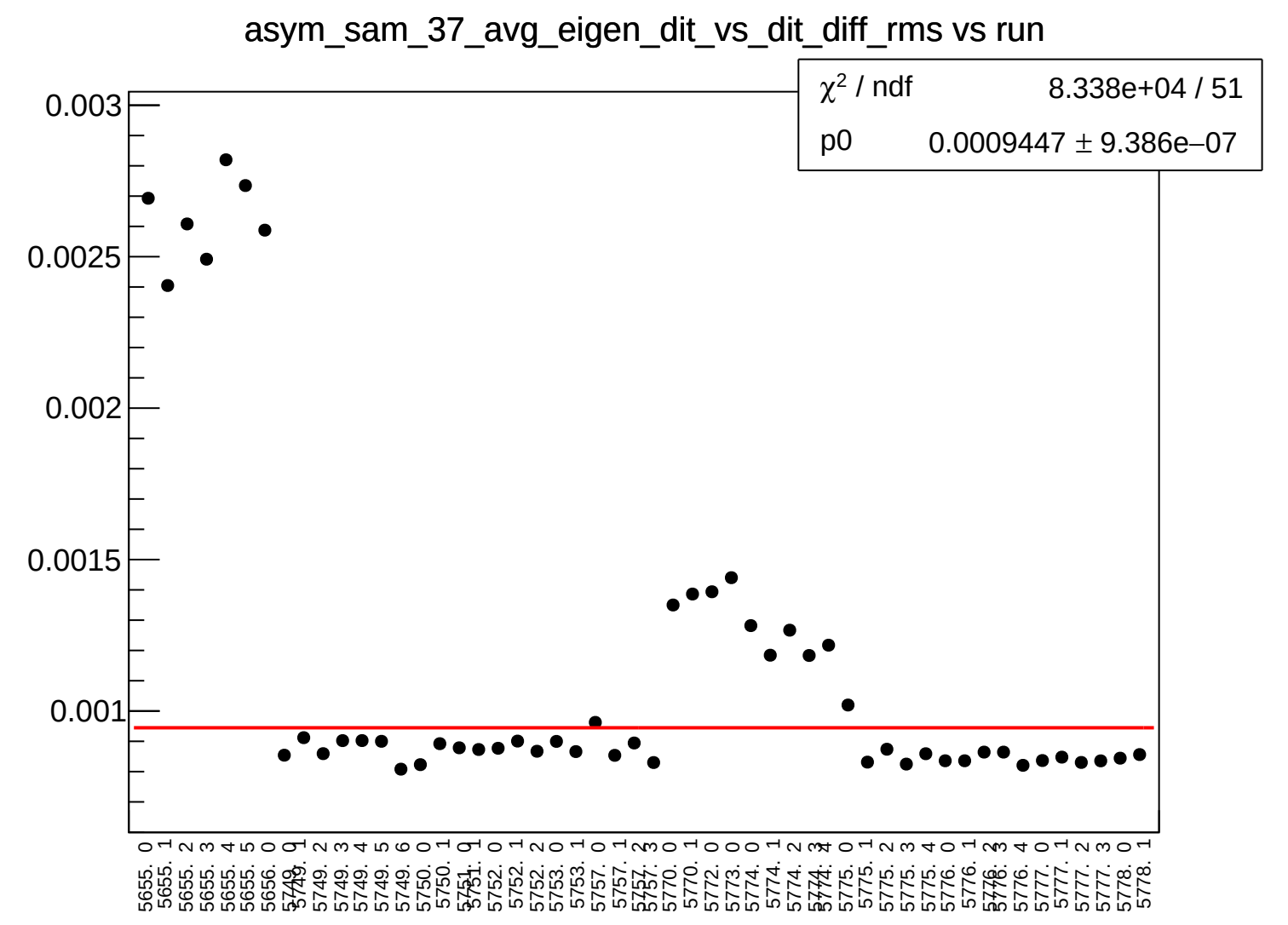

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.61 / 51
p0 0.02145 ± 0.06481
pull
Entries 52
Mean −138.6
Std Dev 0


pull1D
Entries 52
Mean −0.008501
Std Dev 0.8504

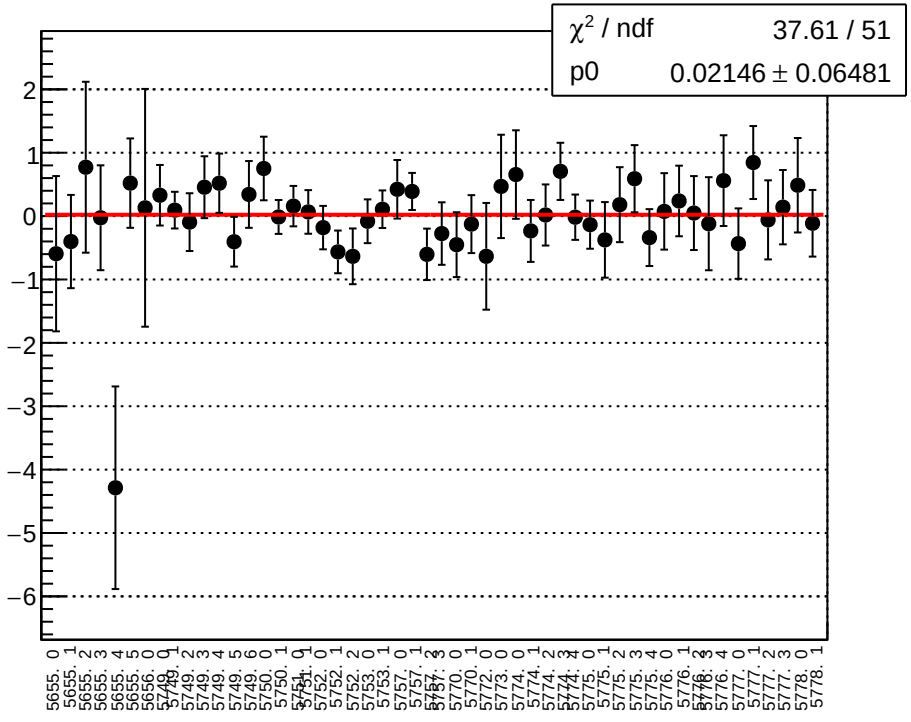

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.281e+05 / 51
p0 45.1 ± 0.04583
180
160
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

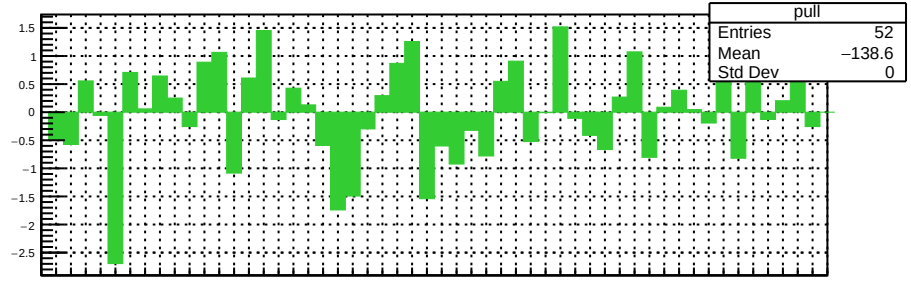

asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.07 / 51
p0 1.638e−06 ± 1.327e−06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull
Entries 52
Mean 31.79
Std Dev 23.32
2
1
0
−1
−2
−3

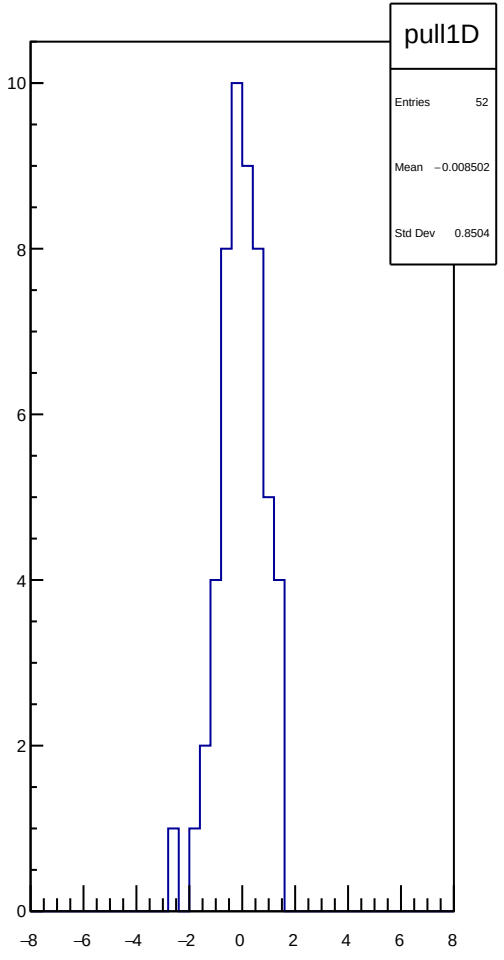

pull1D
Entries 52
Mean −0.06889
Std Dev 0.9983
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

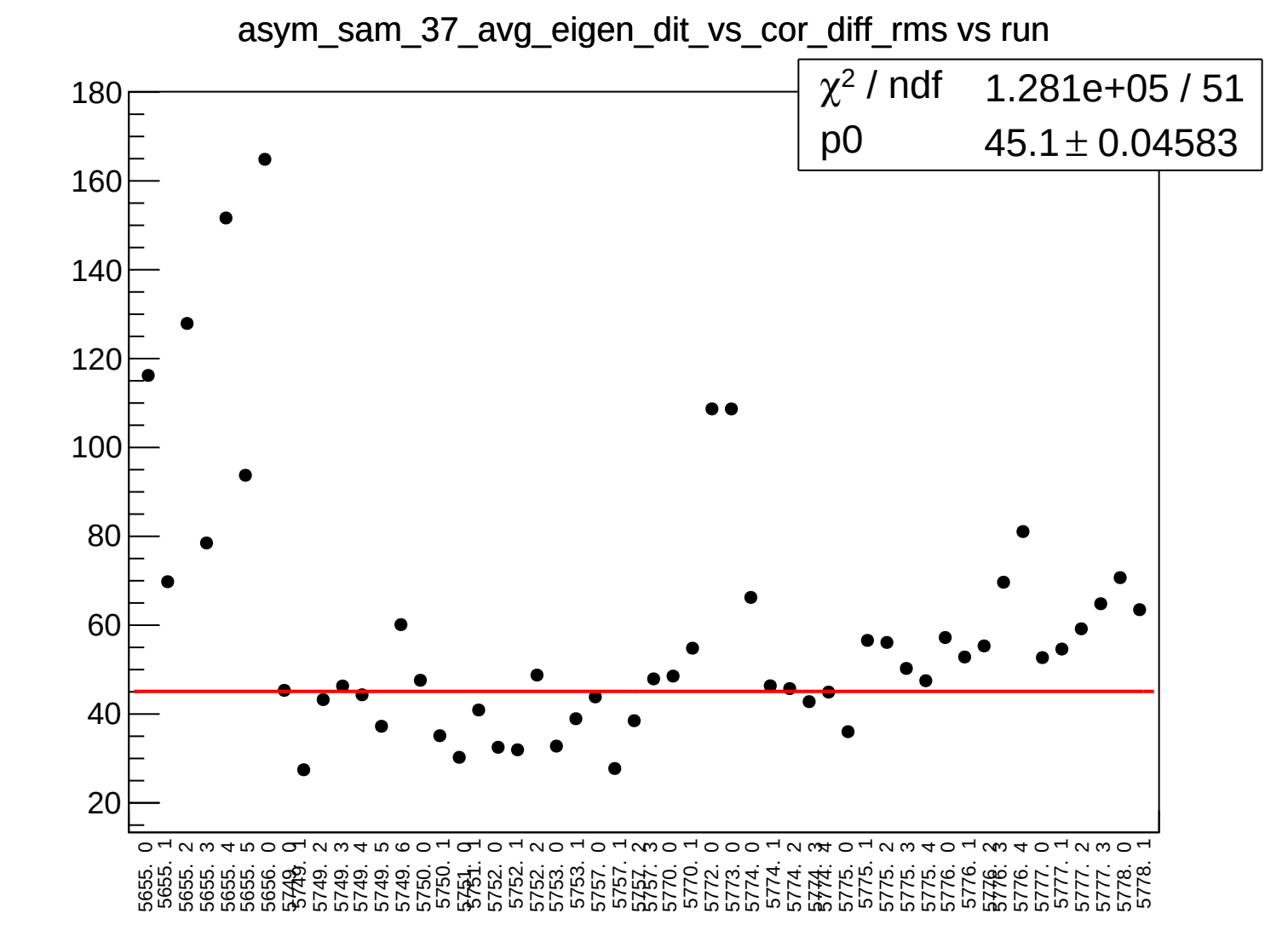

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8.338e+04 / 51
p0 0.0009447 ± 9.386e−07
0.003
0.0025
0.002
0.0015
0.001
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

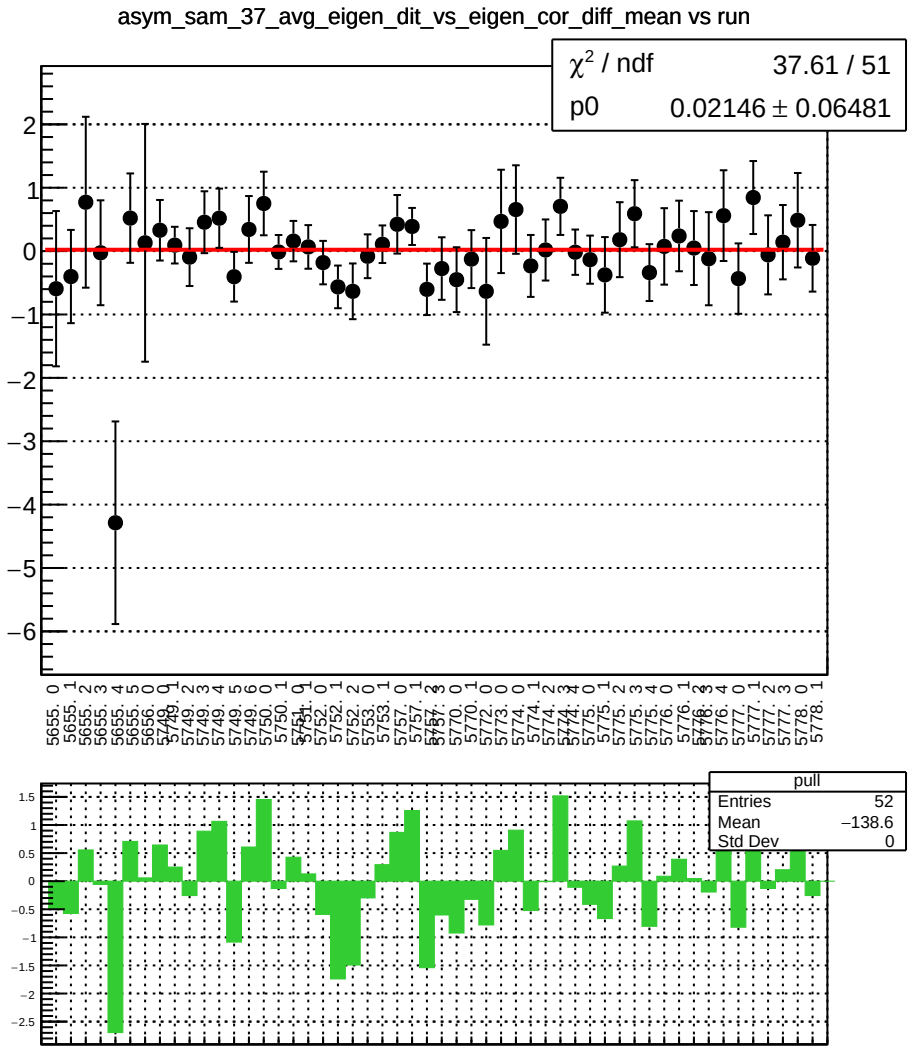
asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs run

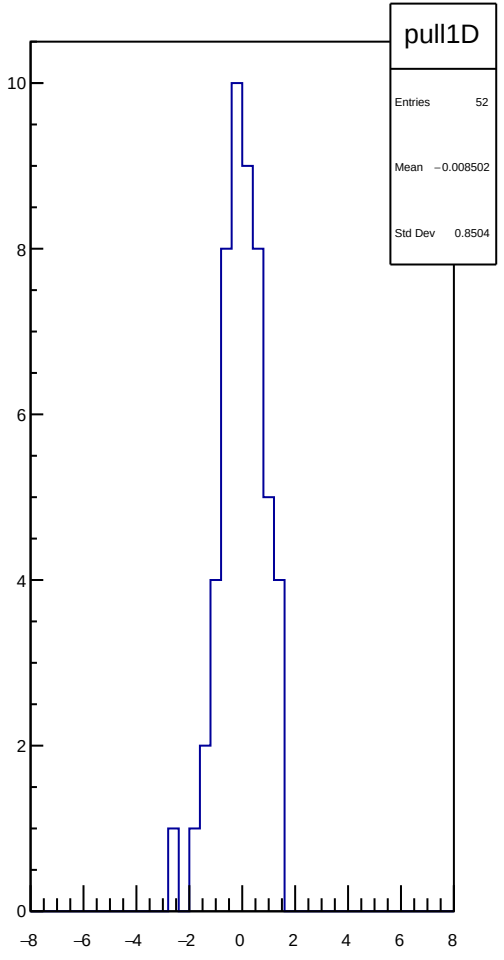


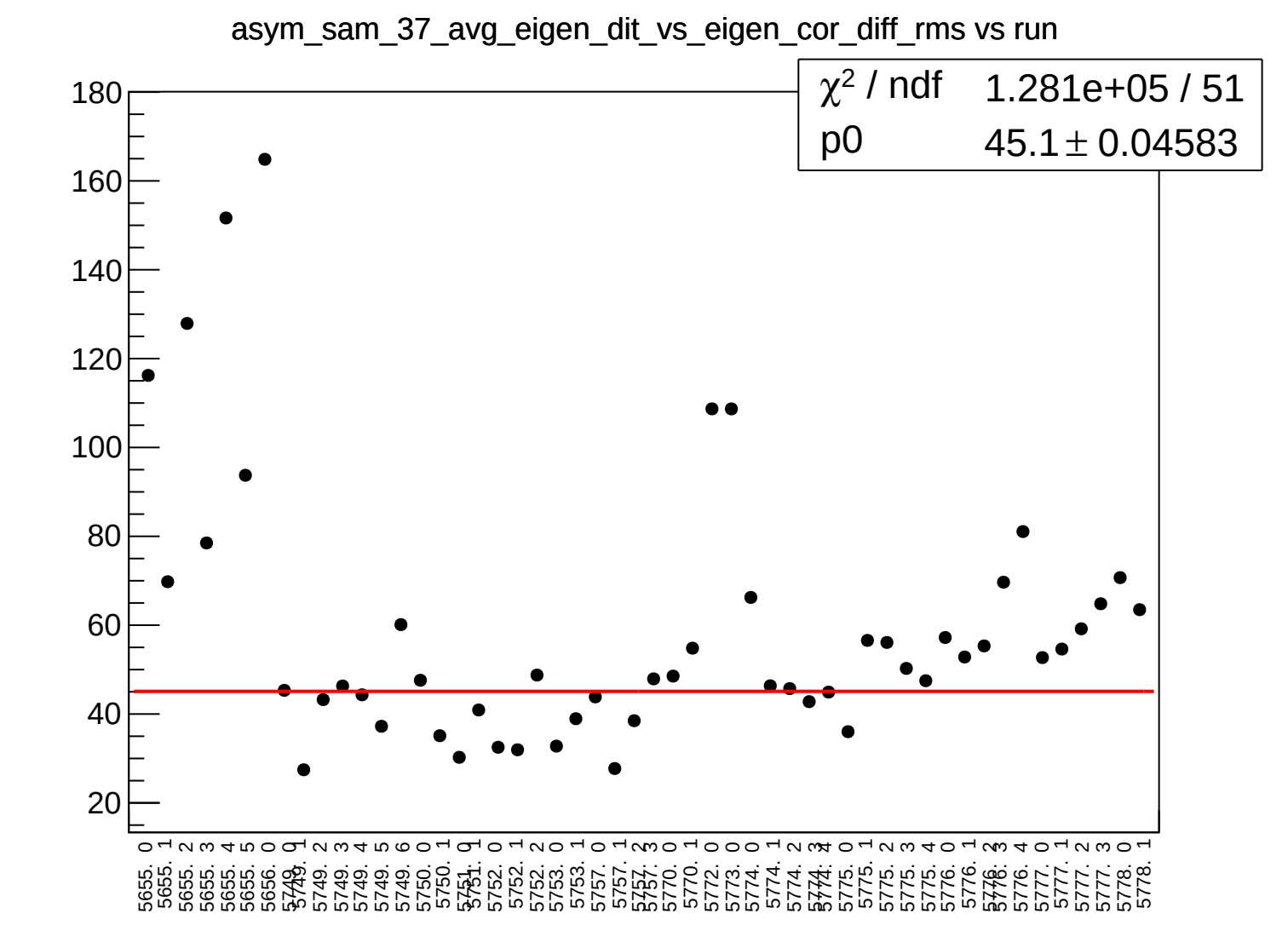


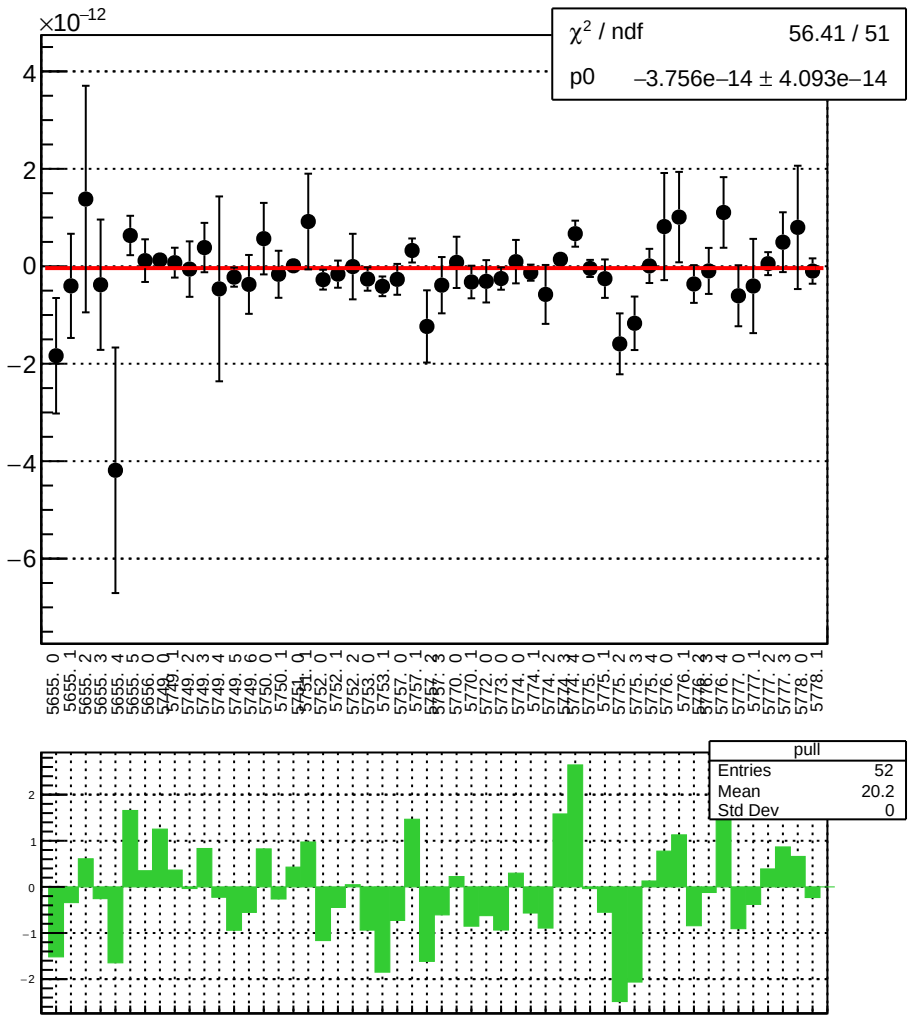


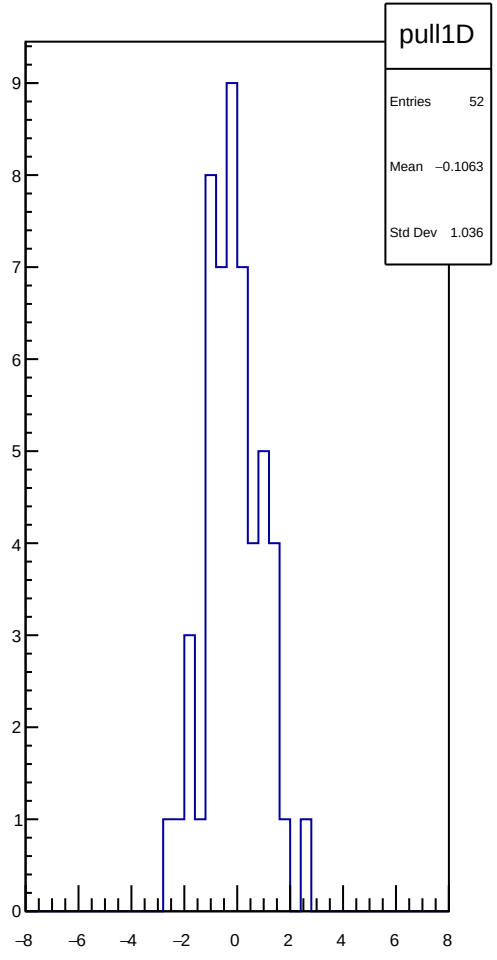

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.281e+05 / 51
p0 45.1 ± 0.04583
180
160
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

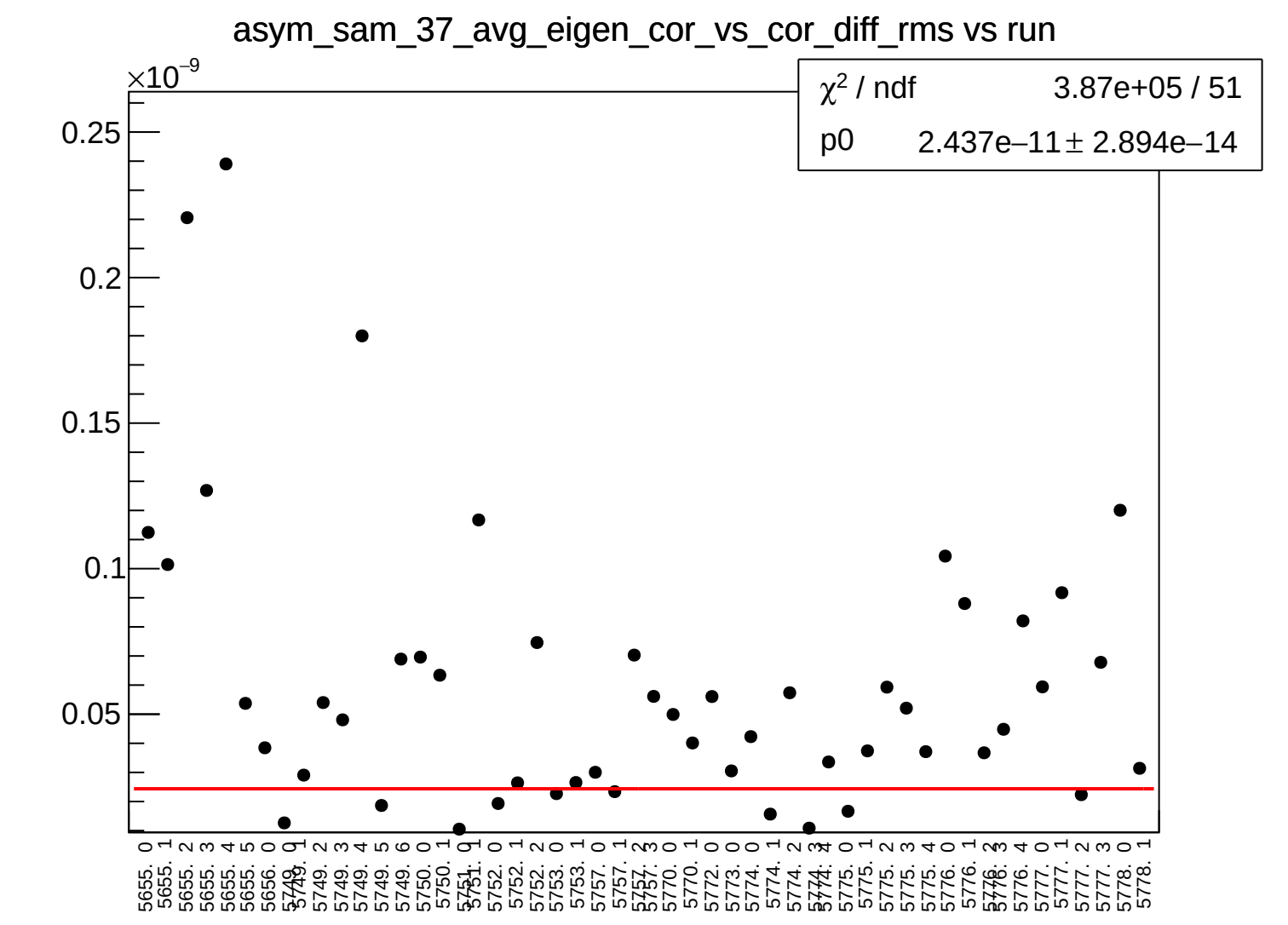

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.61 / 51
p0 0.02146 ± 0.06481
pull
Entries 52
Mean −138.6
Std Dev 0

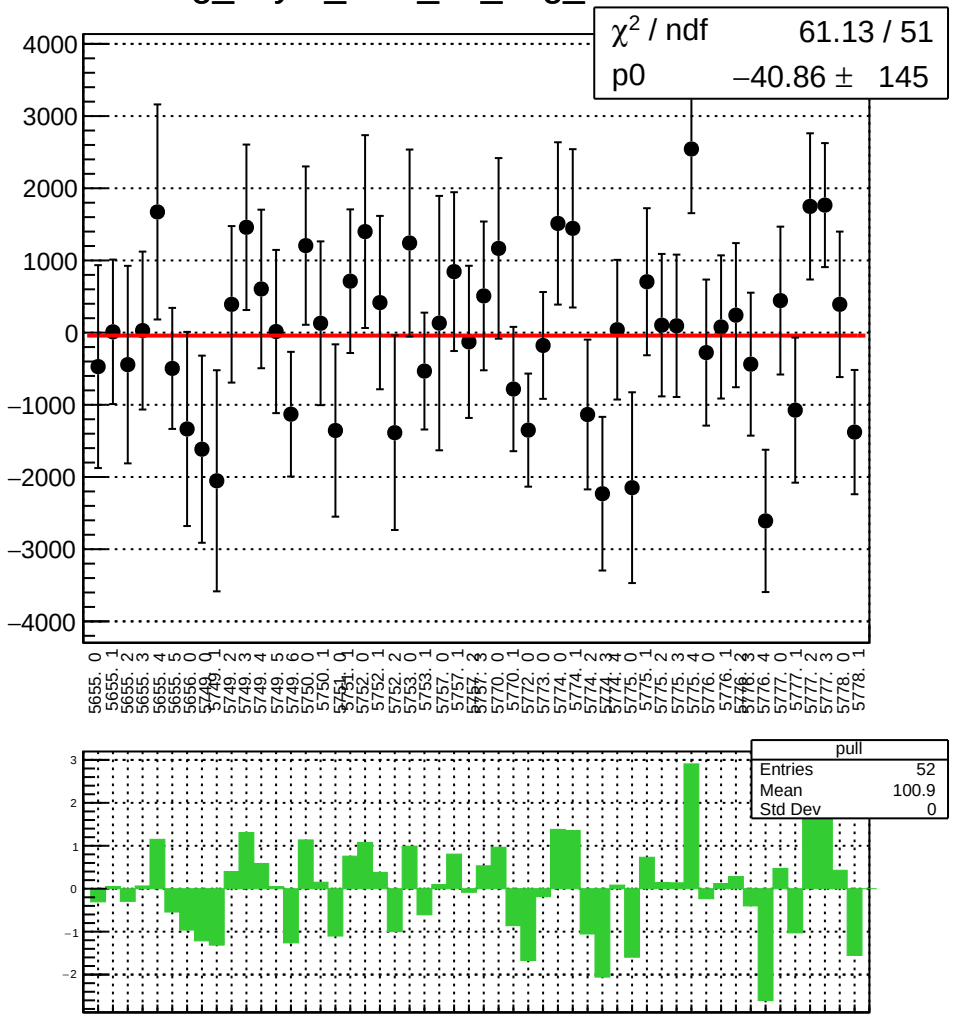

pull1D
Entries 52
Mean −0.008502
Std Dev 0.8504

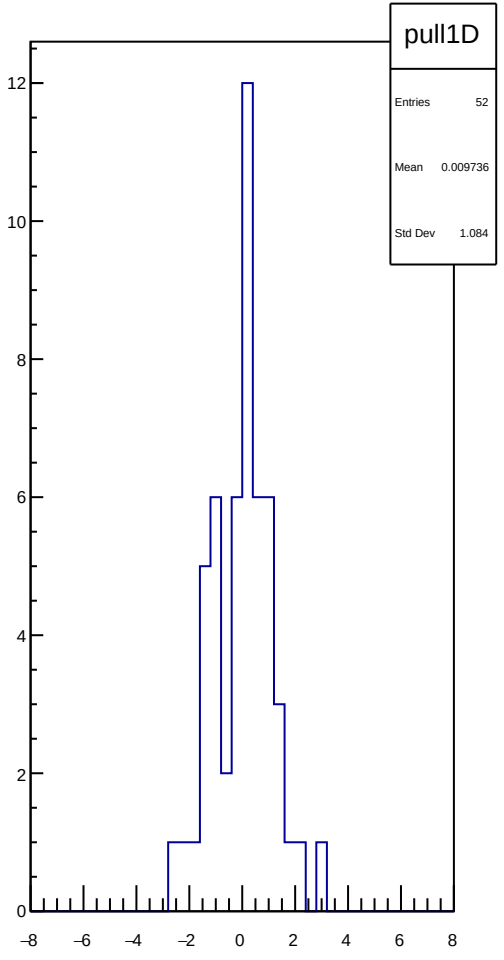

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.281e+05 / 51
p0 45.1 ± 0.04583
180
160
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

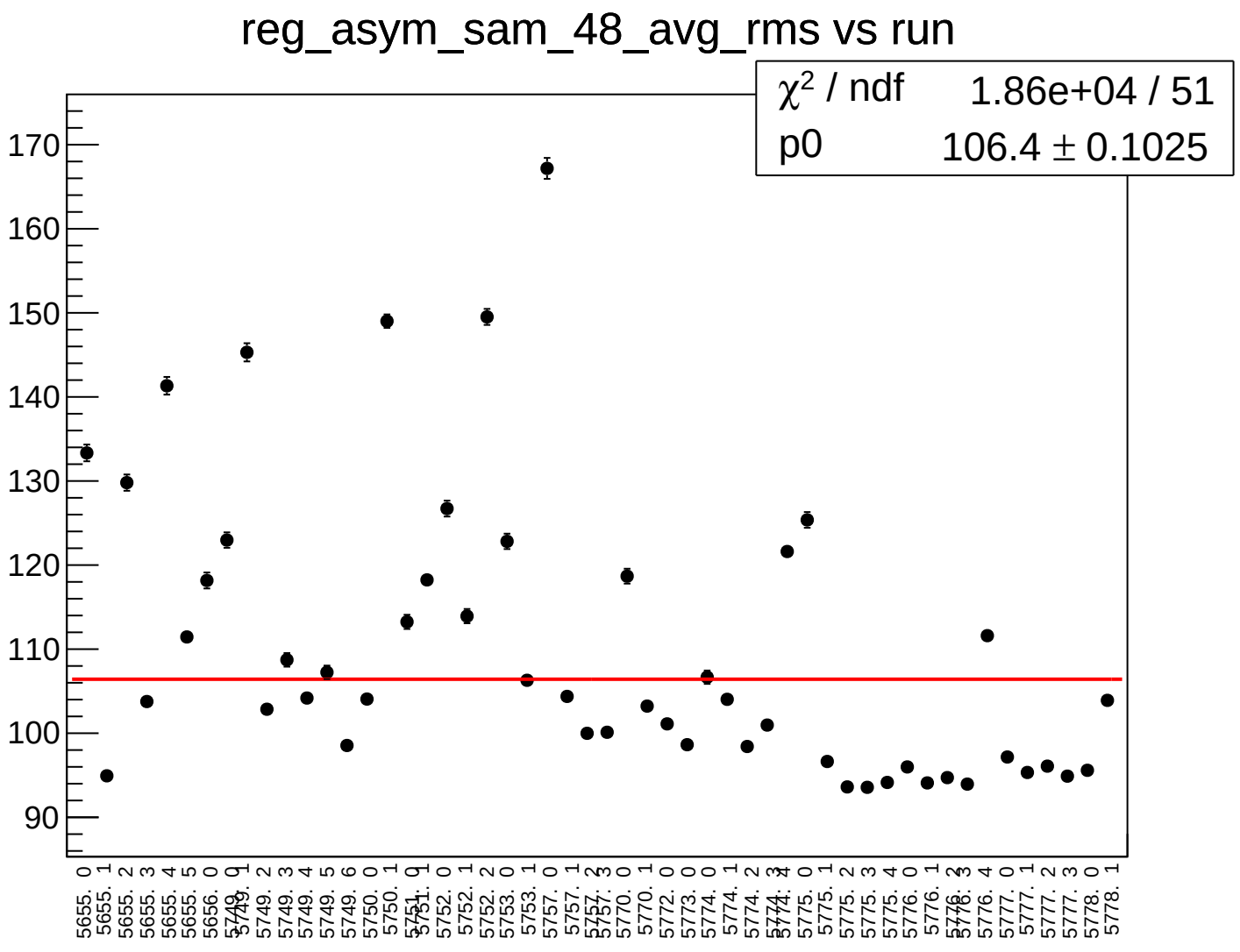

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56.41 / 51
p0 −3.756e−14 ± 4.093e−14
pull
Entries 52
Mean 20.2
Std Dev 0

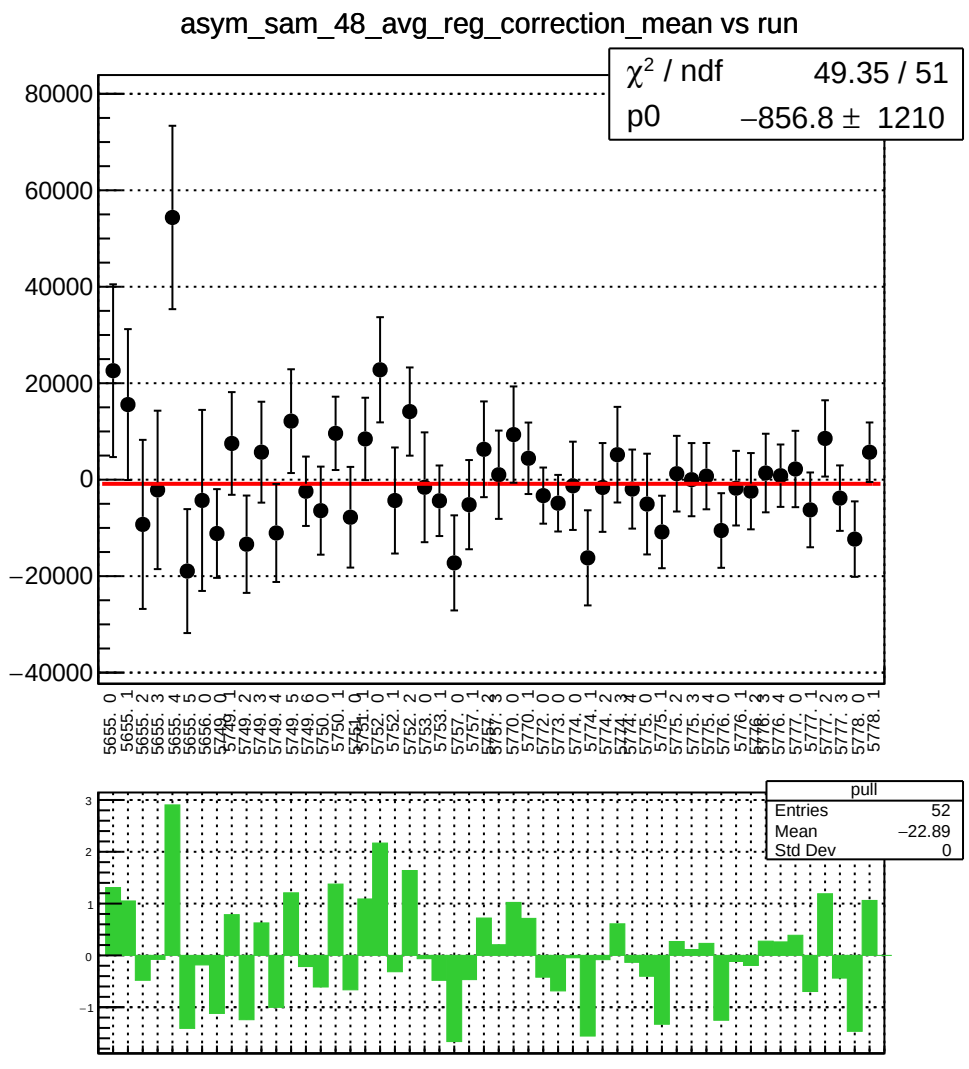

pull1D
Entries 52
Mean −0.1063
Std Dev 1.036

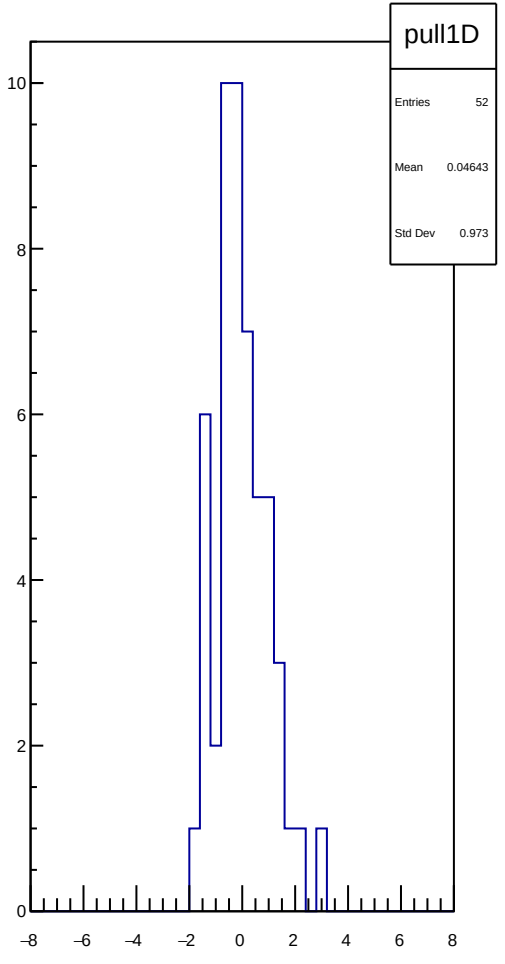

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.87e+05 / 51
p0 2.437e−11 ± 2.894e−14
0.25
0.2
0.15
0.1
0.05
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

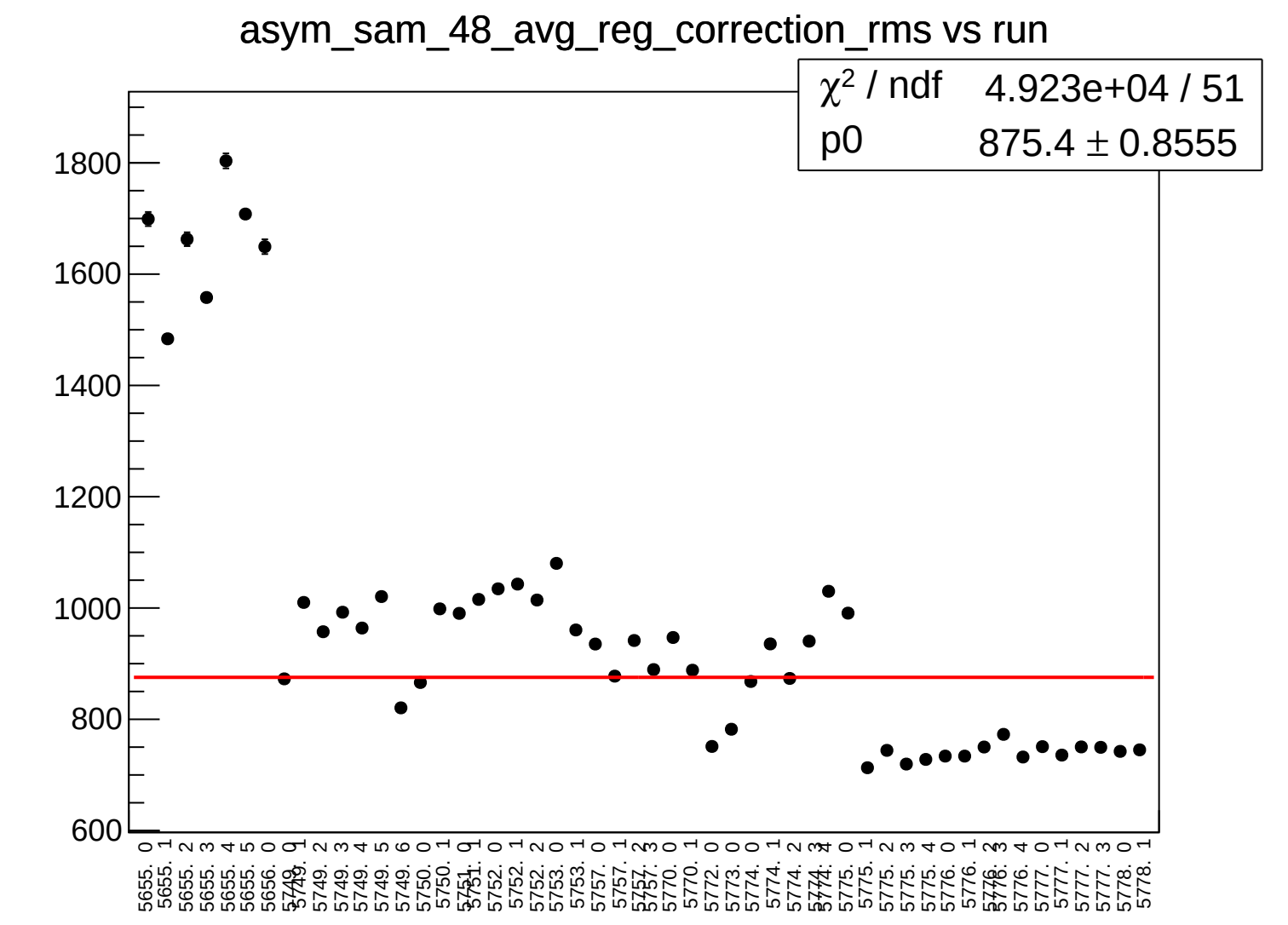

reg_asym_sam_48_avg_mean vs run
χ² / ndf 61.13 / 51
p0 −40.86 ± 145
pull
Entries 52
Mean 100.9
Std Dev 0


pull1D
Entries 52
Mean 0.009736
Std Dev 1.084


reg_asym_sam_48_avg_rms vs run
χ² / ndf 1.86e+04 / 51
p0 106.4 ± 0.1025
170
160
150
140
130
120
110
100
90
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_48_avg_reg_correction_mean vs run
χ² / ndf 49.35 / 51
p0 −856.8 ± 1210
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −22.89
Std Dev 0
3
2
1
0
−1


pull1D
Entries 52
Mean 0.04643
Std Dev 0.973
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_avg_reg_correction_rms vs run
χ² / ndf 4.923e+04 / 51
p0 875.4 ± 0.8555
1800
1600
1400
1200
1000
800
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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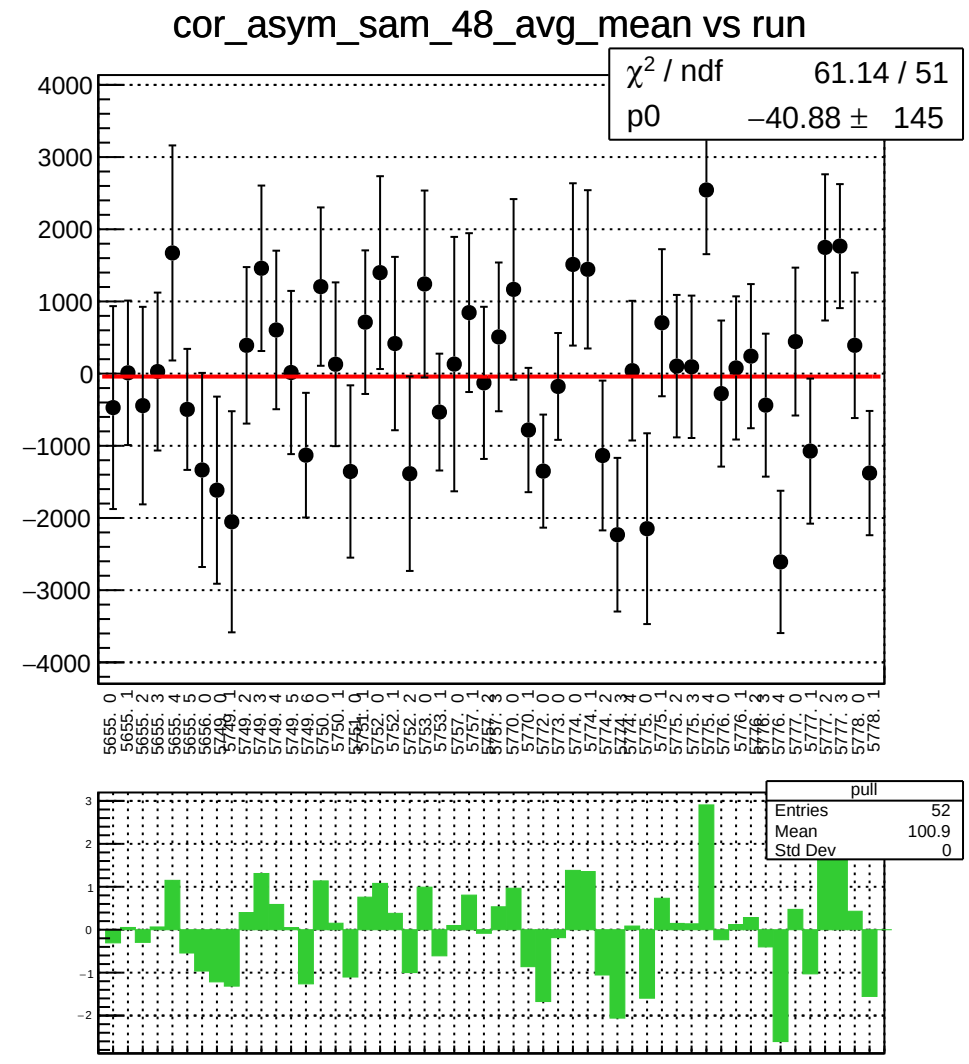
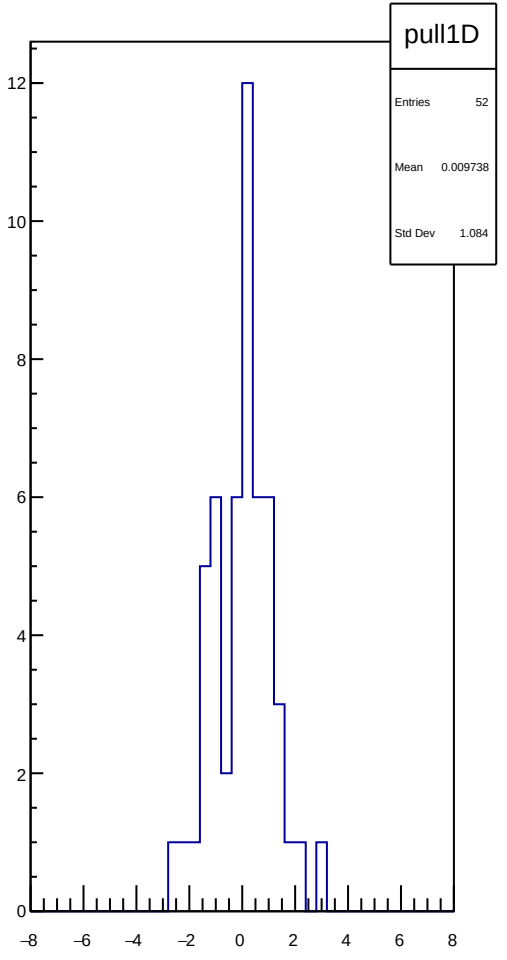
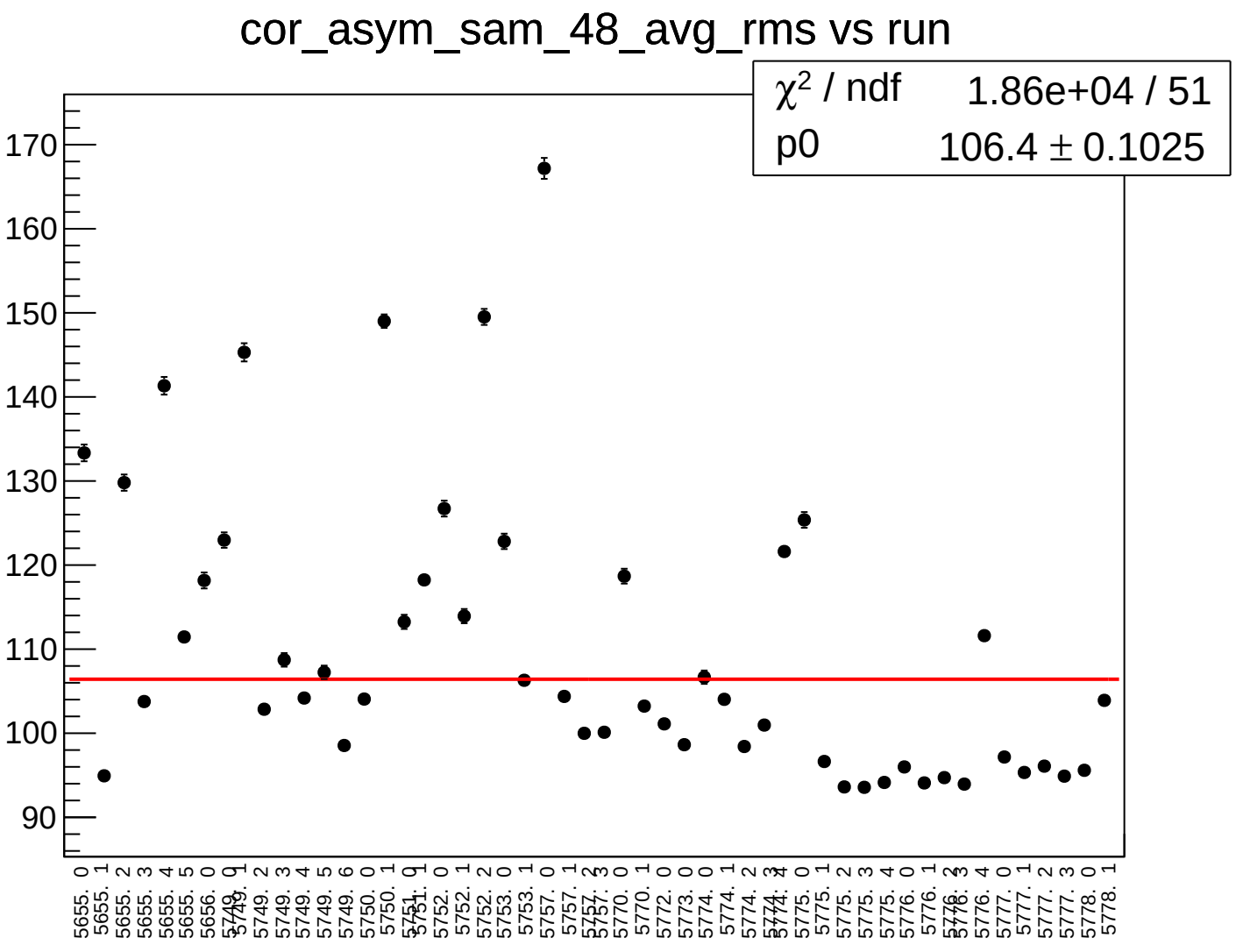
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_sam_48_avg_mean vs run
χ² / ndf 61.14 / 51
p0 −40.88 ± 145
pull
Entries 52
Mean 100.9
Std Dev 0


pull1D
Entries 52
Mean 0.009738
Std Dev 1.084


cor_asym_sam_48_avg_rms vs run
χ² / ndf 1.86e+04 / 51
p0 106.4 ± 0.1025
170
160
150
140
130
120
110
100
90
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
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5753. 1
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5757. 1
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5770. 1
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5774. 0
5774. 1
5775. 0
5775. 1
5775. 2
5775. 3
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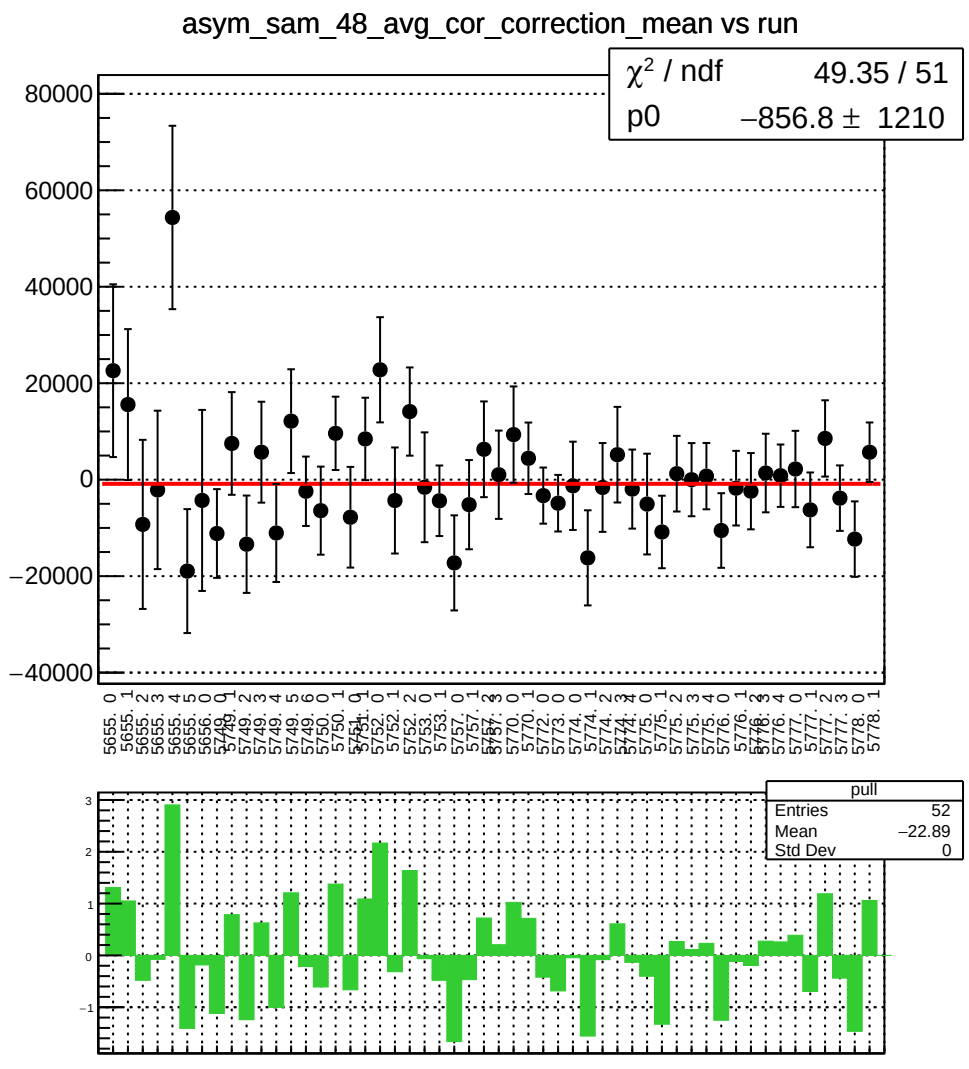
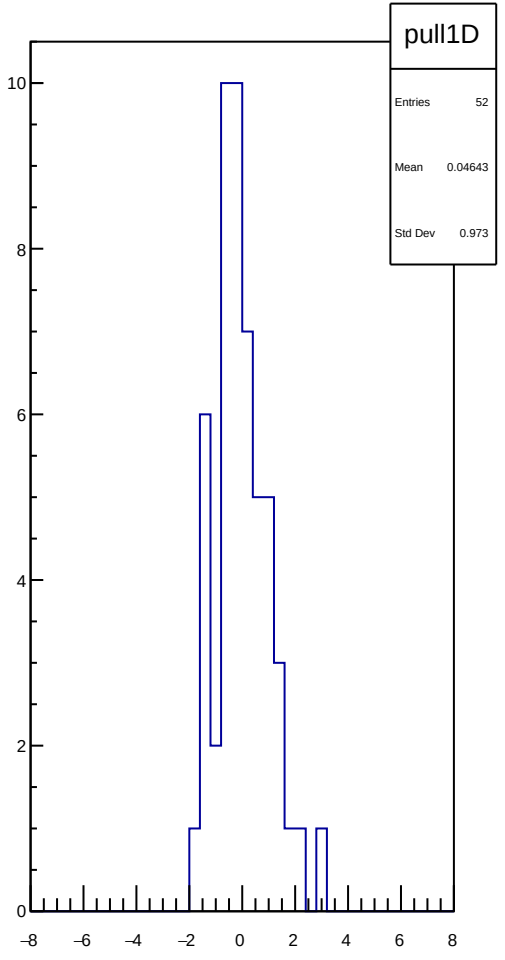
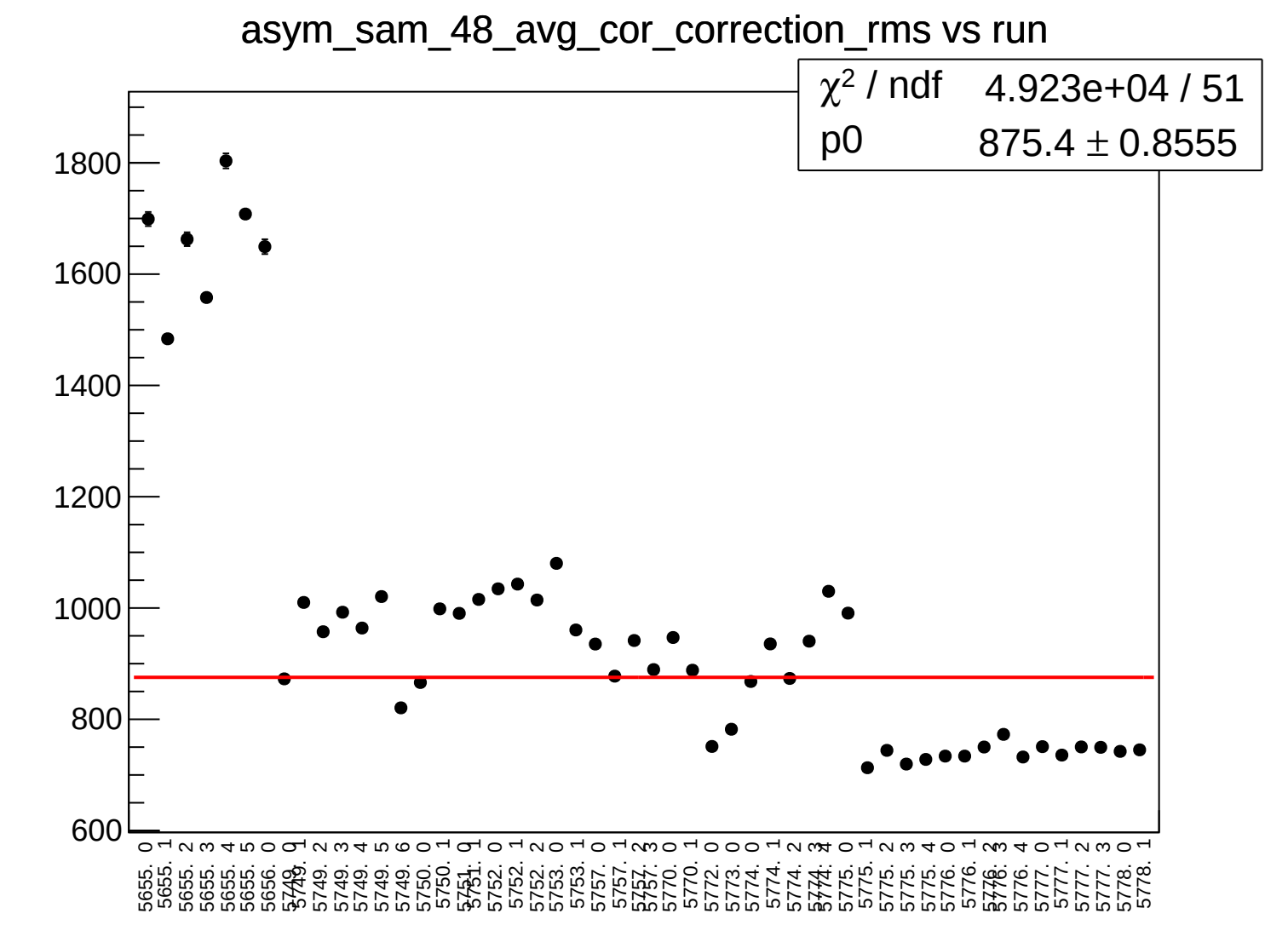
5778. 0
5778. 1


asym_sam_48_avg_cor_correction_mean vs run
χ² / ndf 49.35 / 51
p0 −856.8 ± 1210
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −22.89
Std Dev 0
3
2
1
0
−1


pull1D
Entries 52
Mean 0.04643
Std Dev 0.973
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_avg_cor_correction_rms vs run
χ² / ndf 4.923e+04 / 51
p0 875.4 ± 0.8555
1800
1600
1400
1200
1000
800
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
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5775. 1
5775. 2
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5776. 0
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5776. 3
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5777. 2
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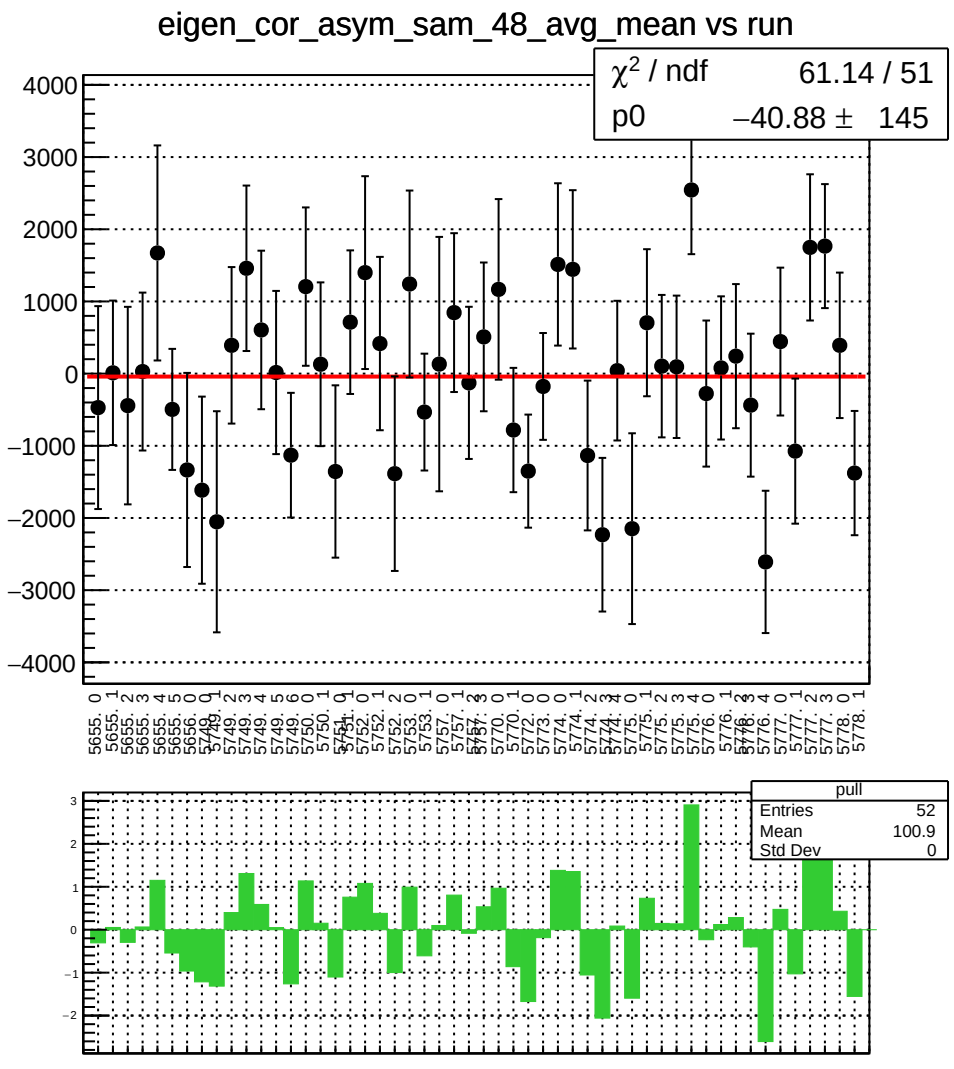
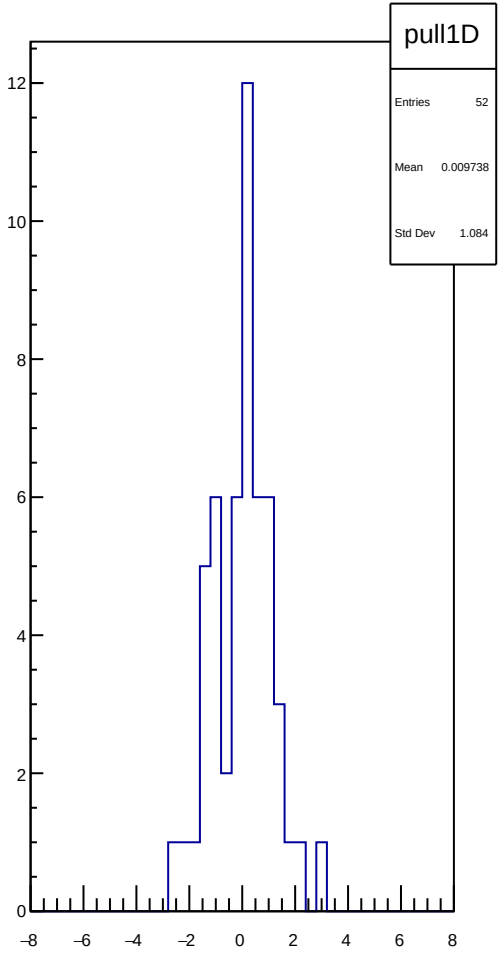
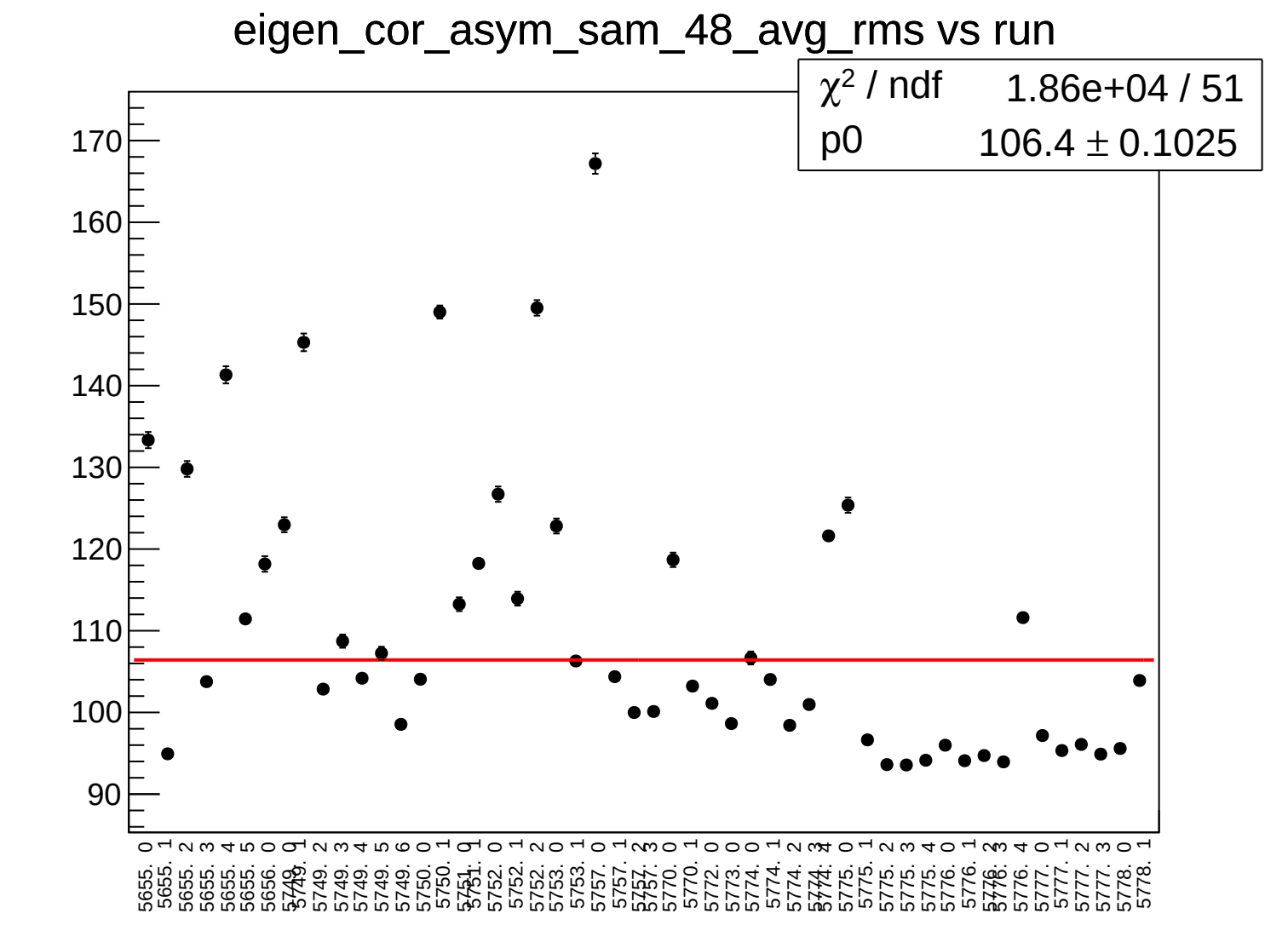
5778. 0
5778. 1


eigen_cor_asym_sam_48_avg_mean vs run
χ² / ndf 61.14 / 51
p0 −40.88 ± 145
pull
Entries 52
Mean 100.9
Std Dev 0


pull1D
Entries 52
Mean 0.009738
Std Dev 1.084


eigen_cor_asym_sam_48_avg_rms vs run
χ² / ndf 1.86e+04 / 51
p0 106.4 ± 0.1025
170
160
150
140
130
120
110
100
90
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
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5757. 1
5770. 0
5770. 1
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5773. 0
5774. 0
5774. 1
5775. 0
5775. 1
5775. 2
5775. 3
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5777. 2
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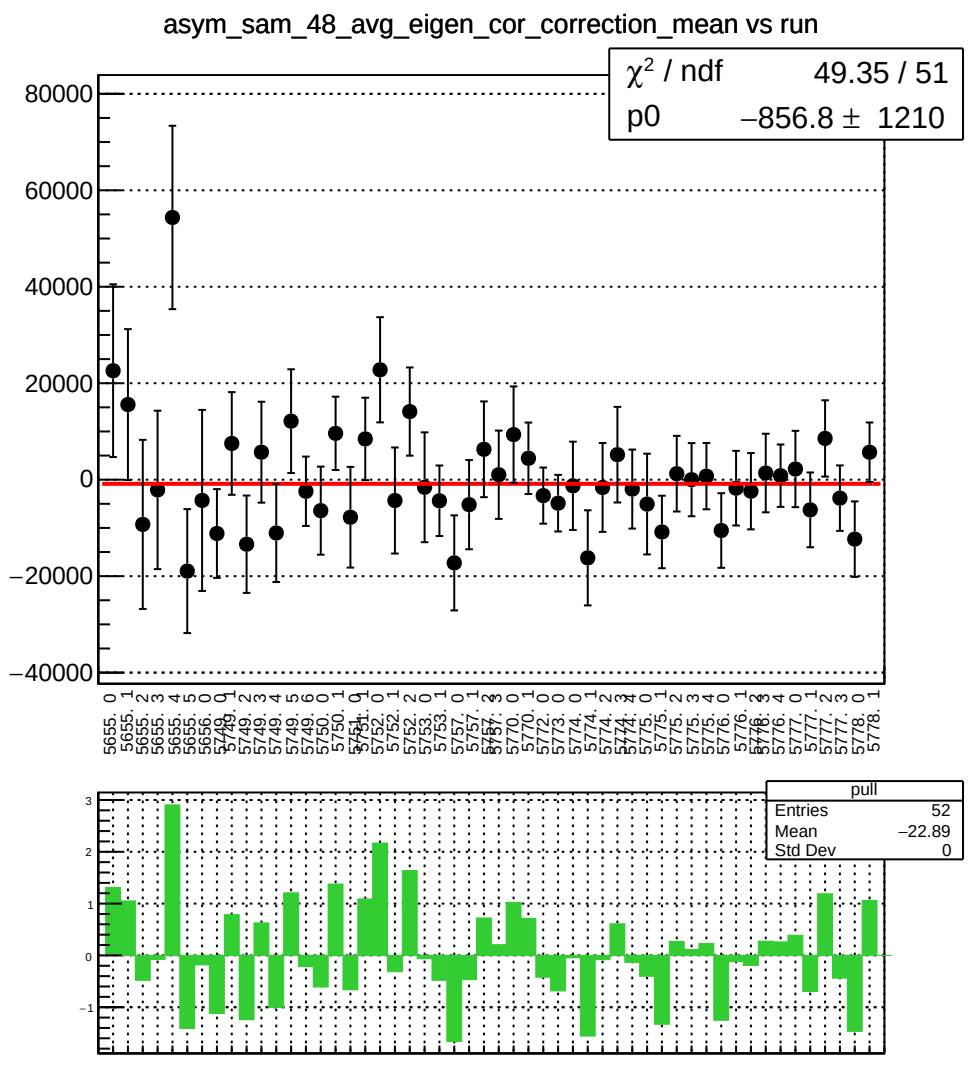
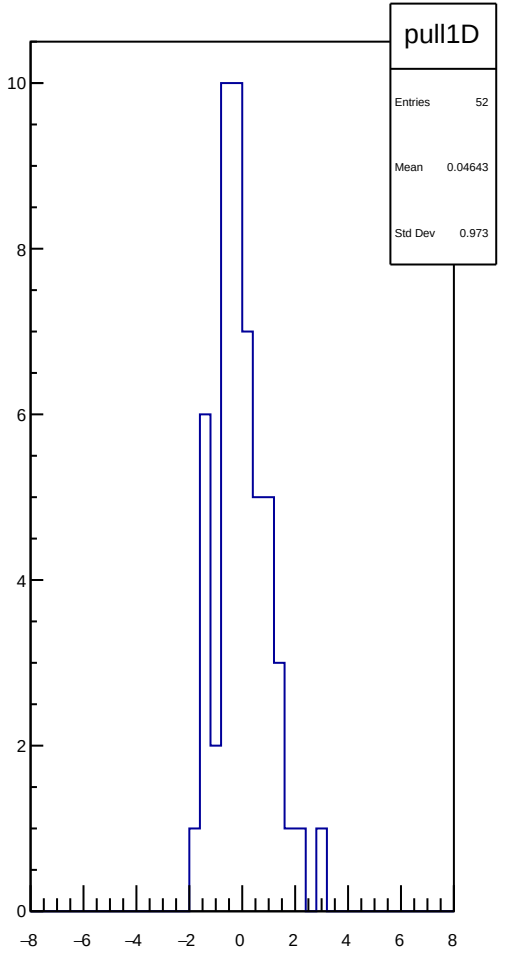
5778. 0
5778. 1


asym_sam_48_avg_eigen_cor_correction_mean vs run
χ² / ndf 49.35 / 51
p0 −856.8 ± 1210
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −22.89
Std Dev 0
3
2
1
0
−1


pull1D
Entries 52
Mean 0.04643
Std Dev 0.973
10
8
6
4
2
0
−8
−6
−4
−2
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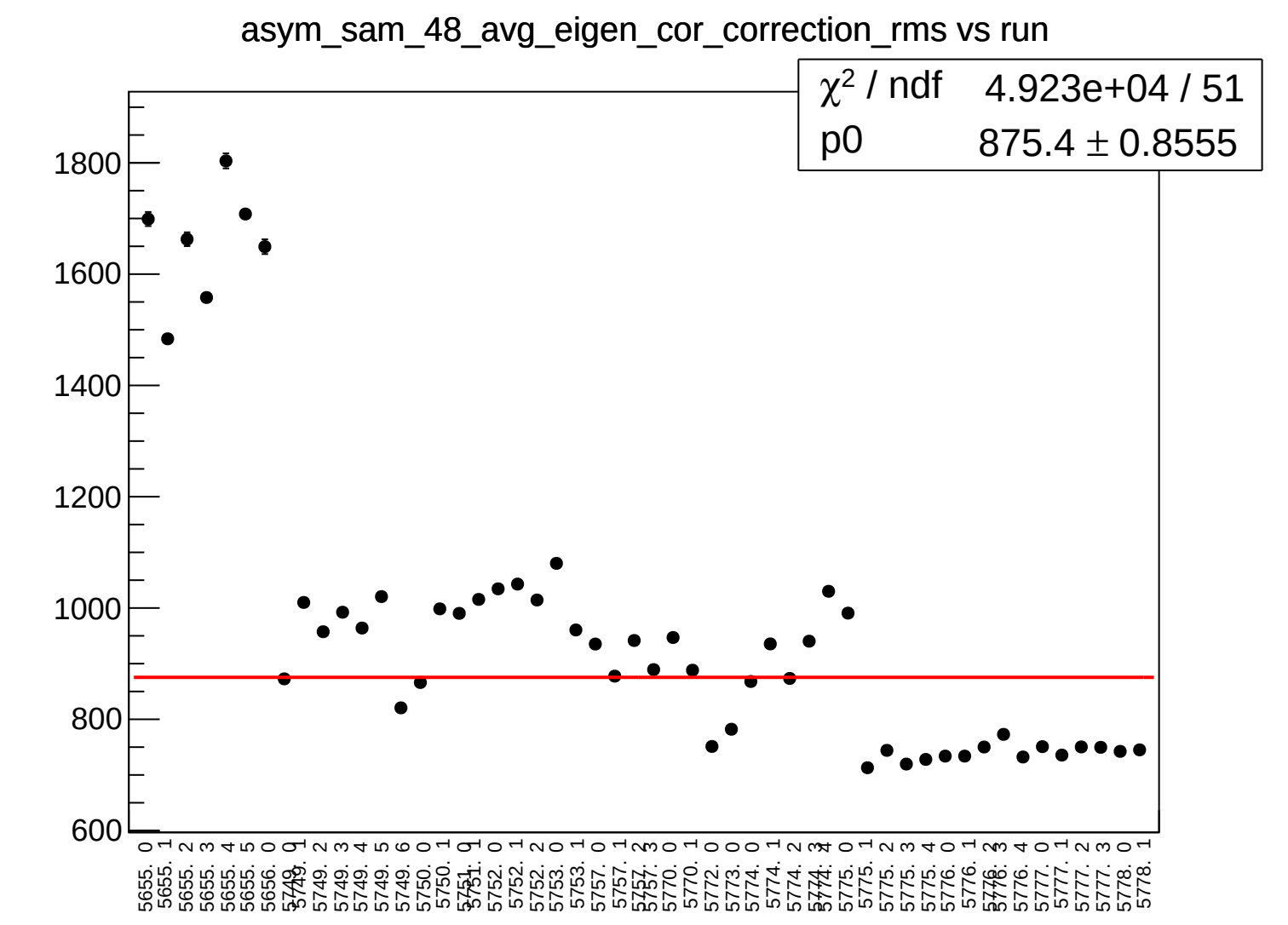
2
4
6
8


asym_sam_48_avg_eigen_cor_correction_rms vs run
χ² / ndf 4.923e+04 / 51
p0 875.4 ± 0.8555
1800
1600
1400
1200
1000
800
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5751. 0
5751. 1
5752. 0
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5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
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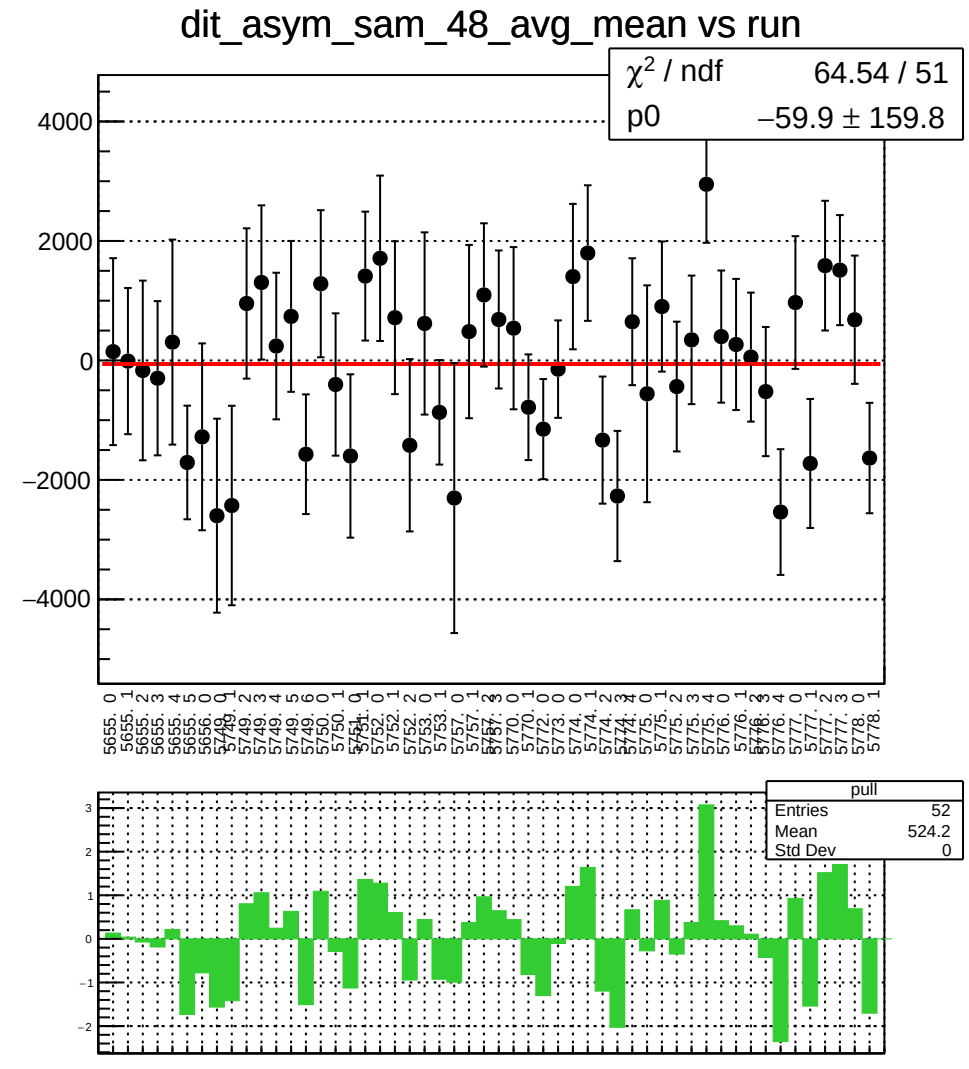
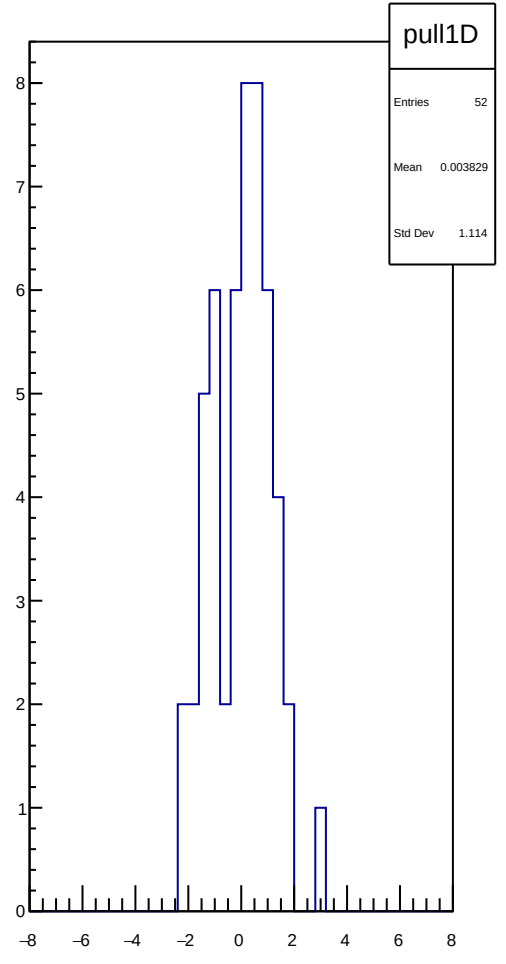
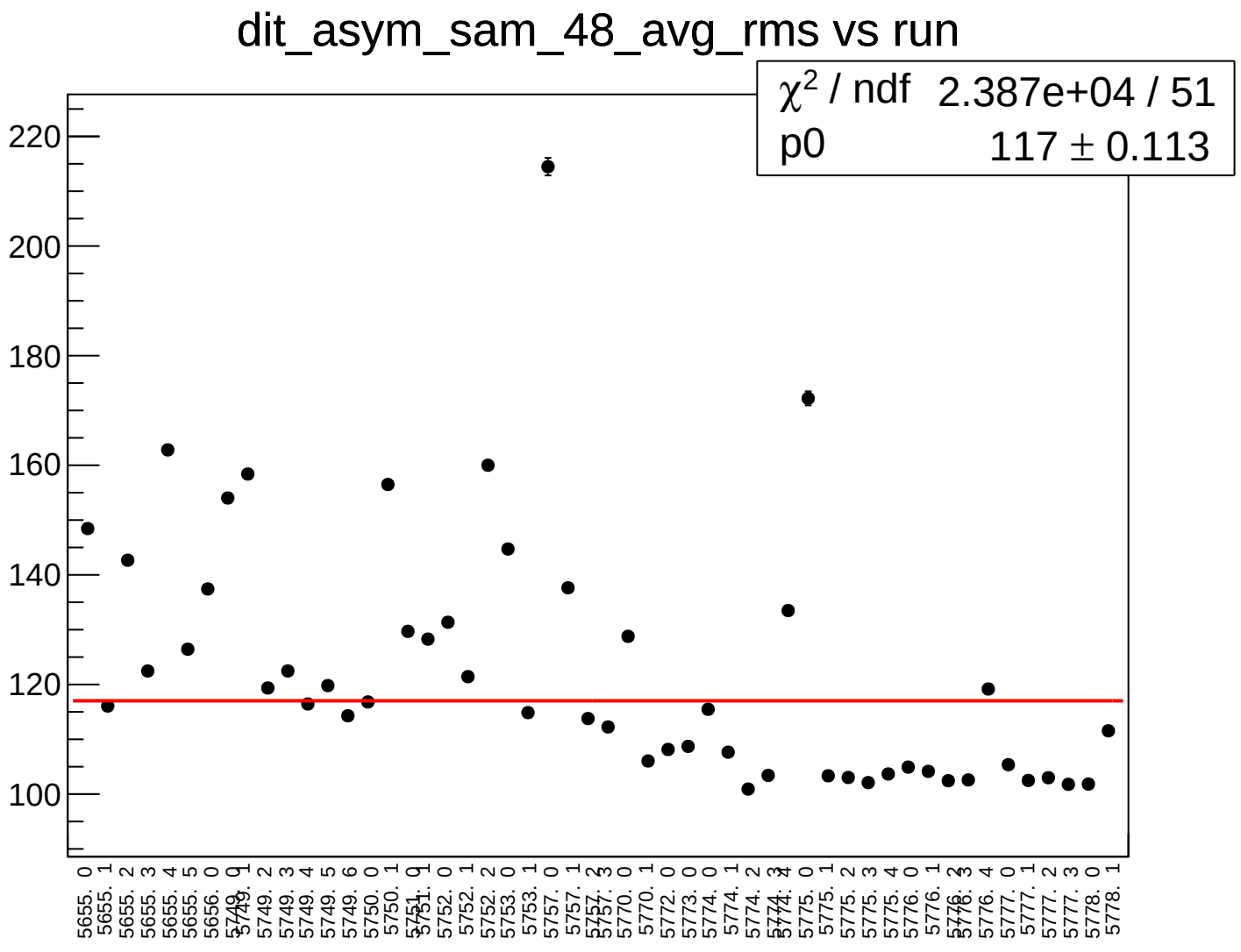
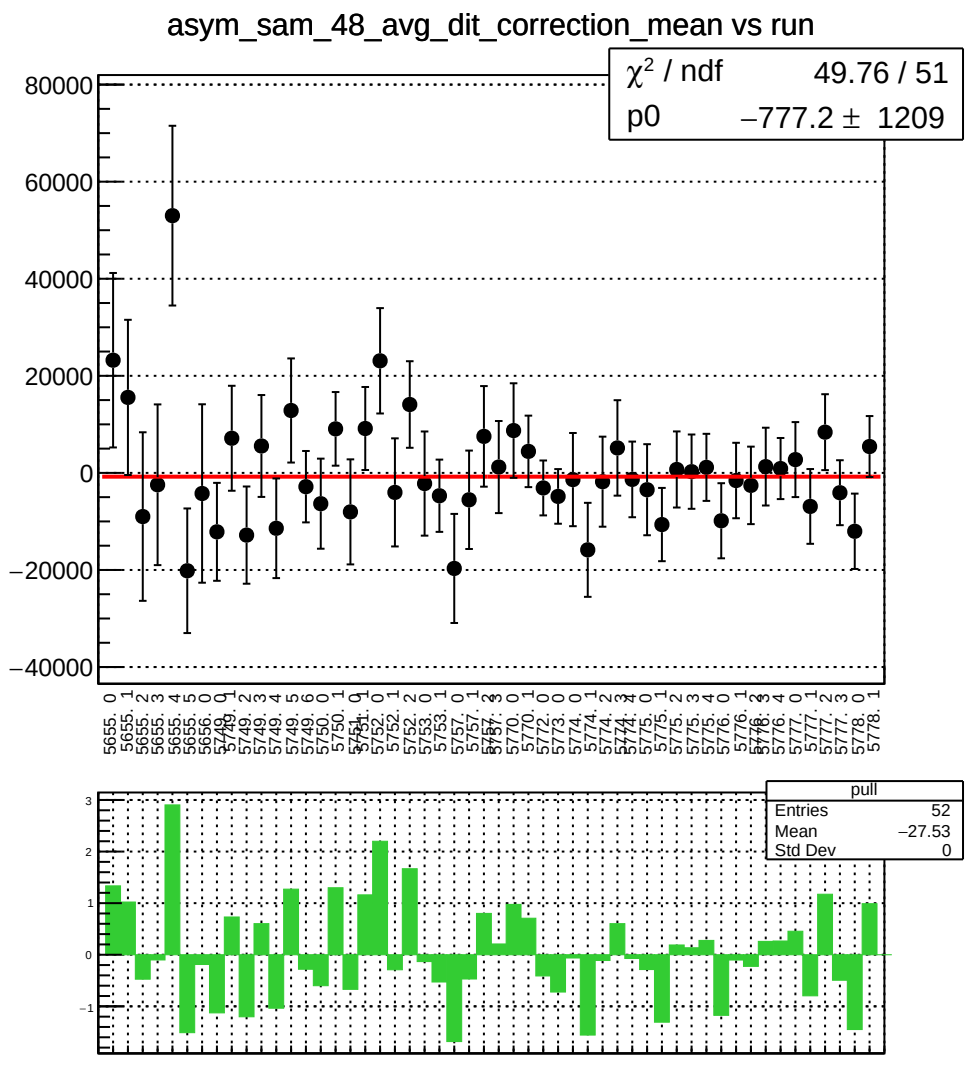
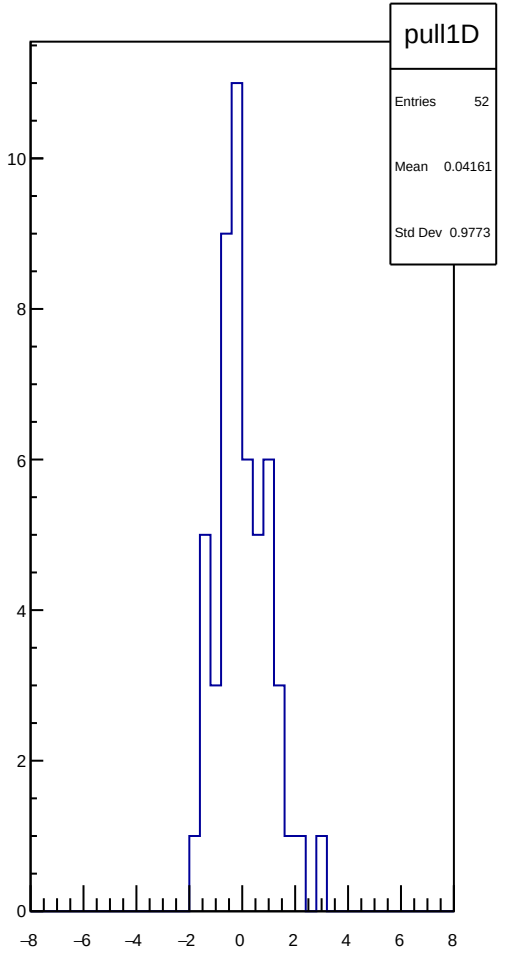
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

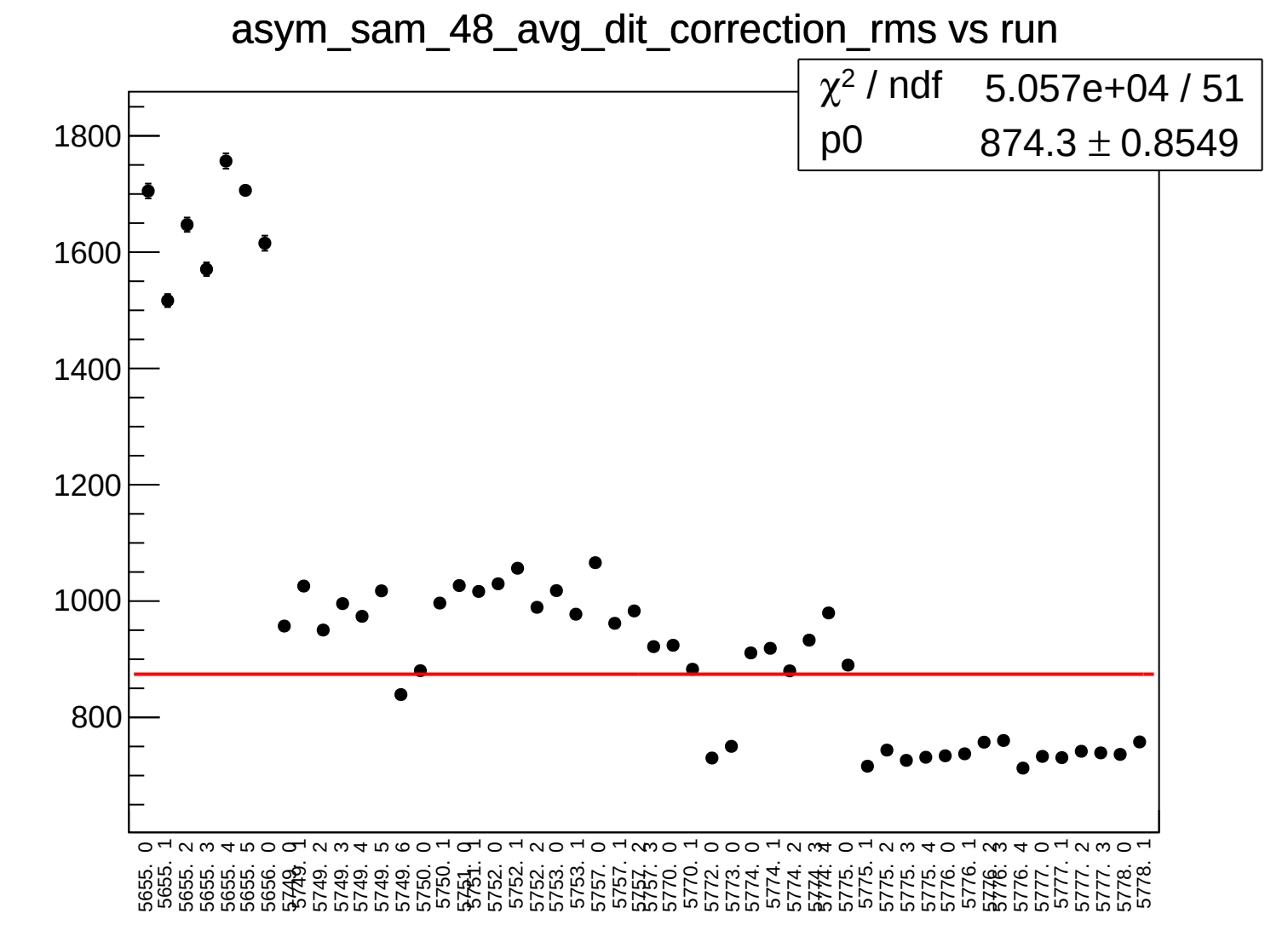

dit_asym_sam_48_avg_mean vs run
χ² / ndf 64.54 / 51
p0 −59.9 ± 159.8
4000
2000
0
−2000
−4000
pull
Entries 52
Mean 524.2
Std Dev 0
3
2
1
0
−1
−2

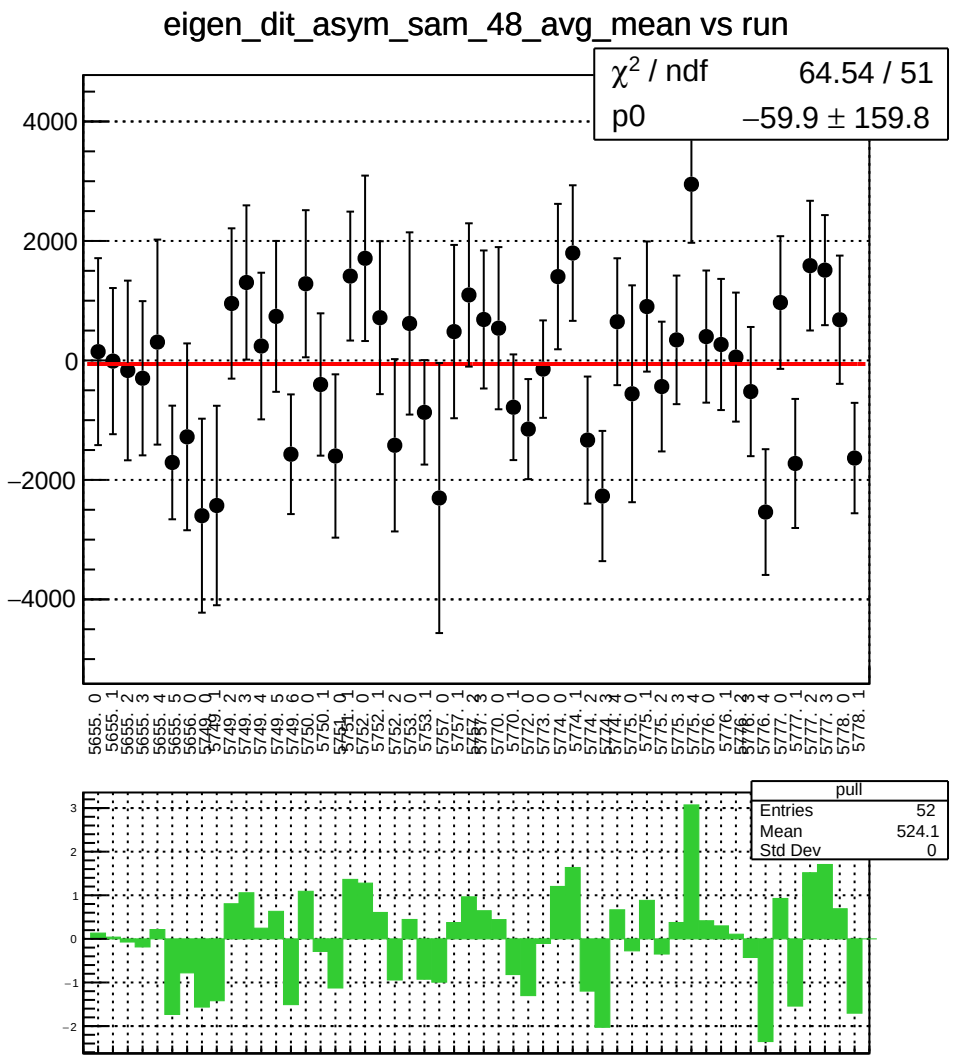

pull1D
Entries 52
Mean 0.003829
Std Dev 1.114
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

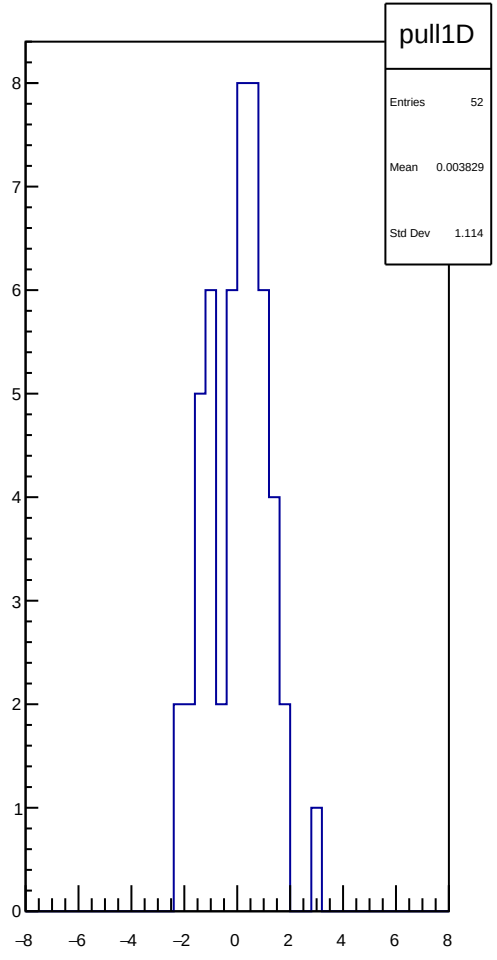

dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 2.387e+04 / 51
p0 117 ± 0.113
220
200
180
160
140
120
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

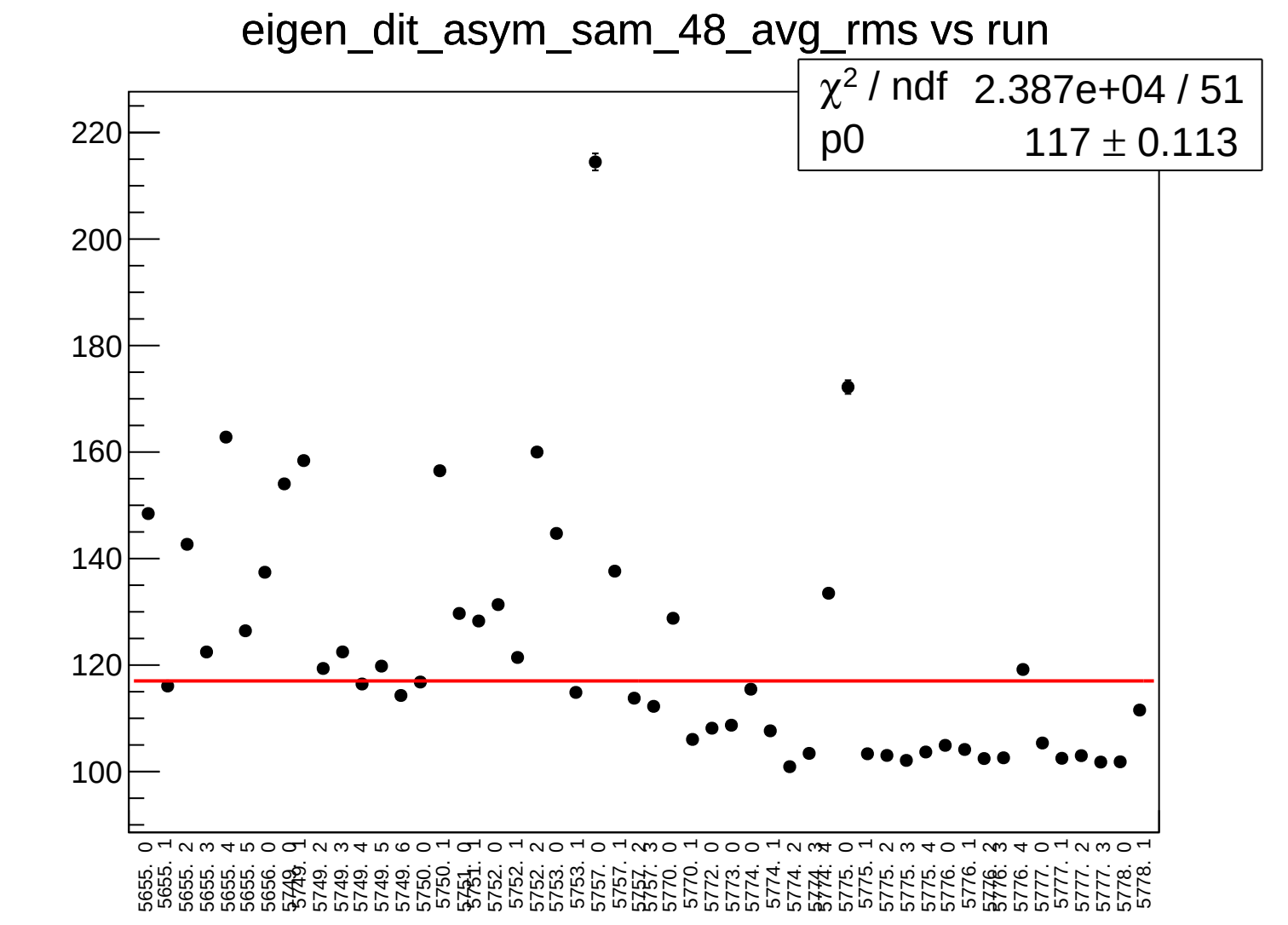

asym_sam_48_avg_dit_correction_mean vs run
χ² / ndf 49.76 / 51
p0 −777.2 ± 1209
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −27.53
Std Dev 0

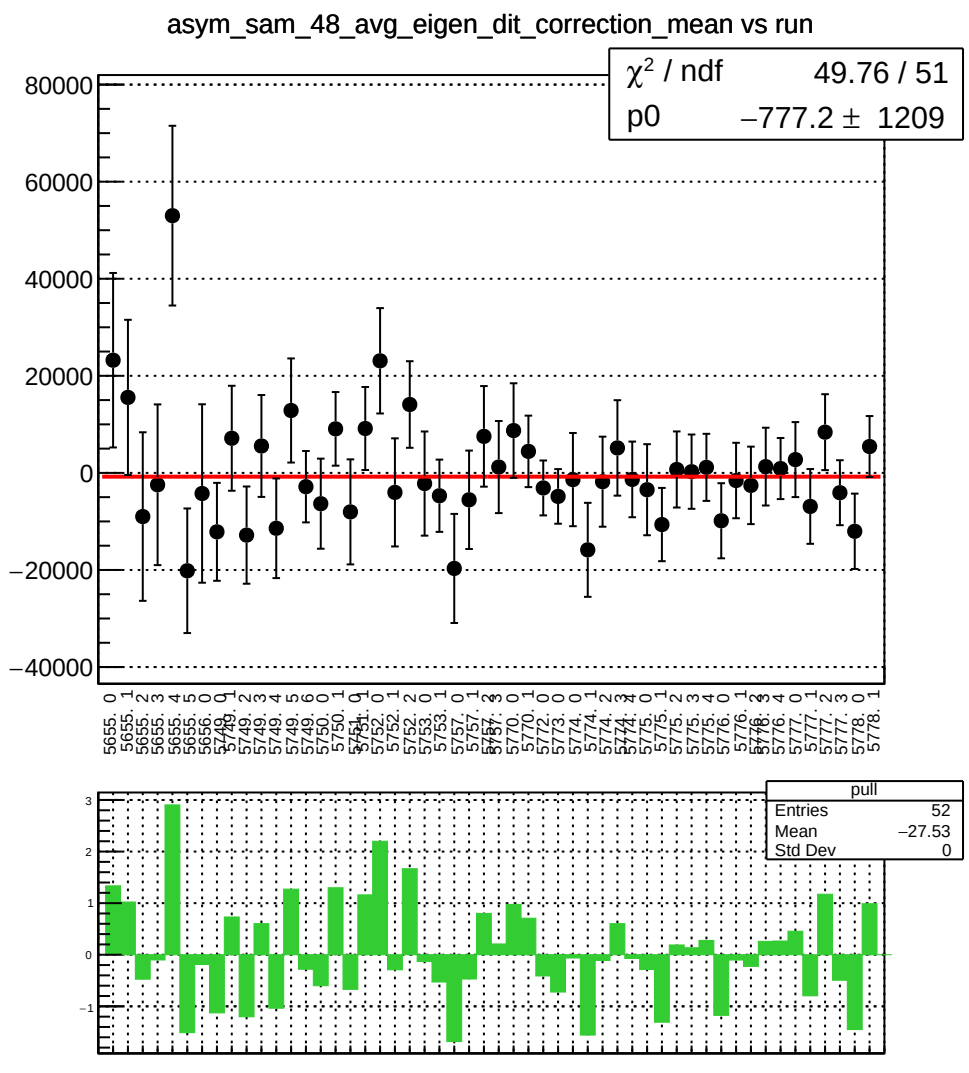

pull1D
Entries 52
Mean 0.04161
Std Dev 0.9773
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

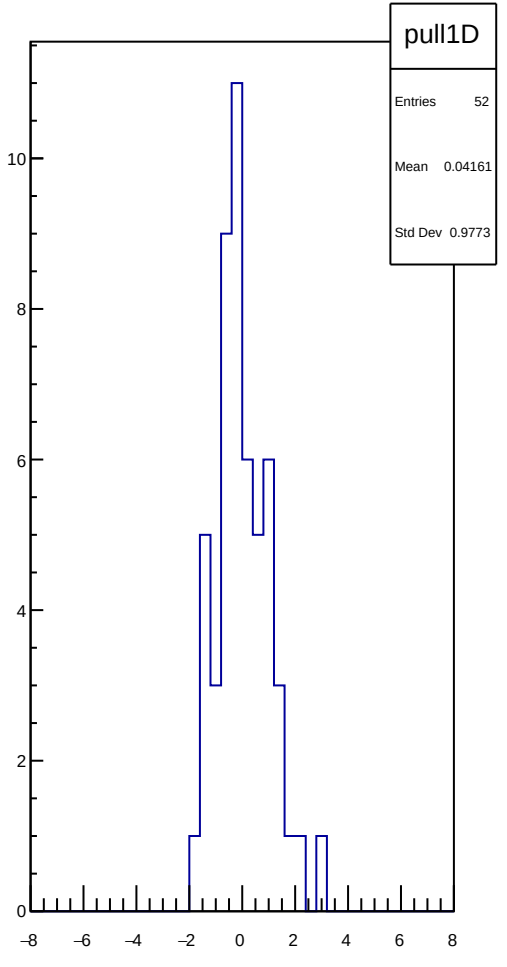

asym_sam_48_avg_dit_correction_rms vs run
χ² / ndf 5.057e+04 / 51
p0 874.3 ± 0.8549
1800
1600
1400
1200
1000
800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

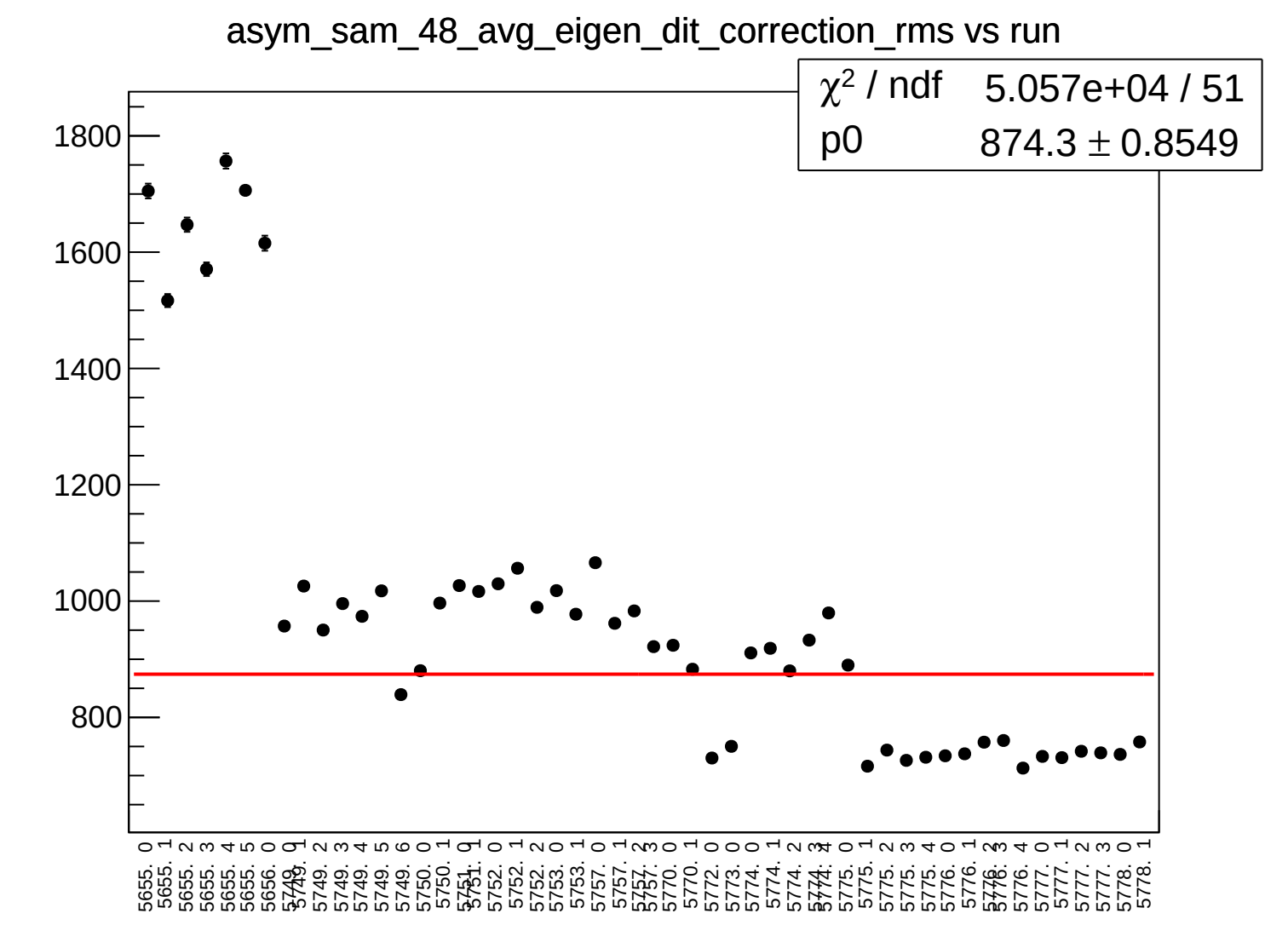

eigen_dit_asym_sam_48_avg_mean vs run
χ² / ndf 64.54 / 51
p0 −59.9 ± 159.8
4000
2000
0
−2000
−4000
pull
Entries 52
Mean 524.1
Std Dev 0
3
2
1
0
−1
−2

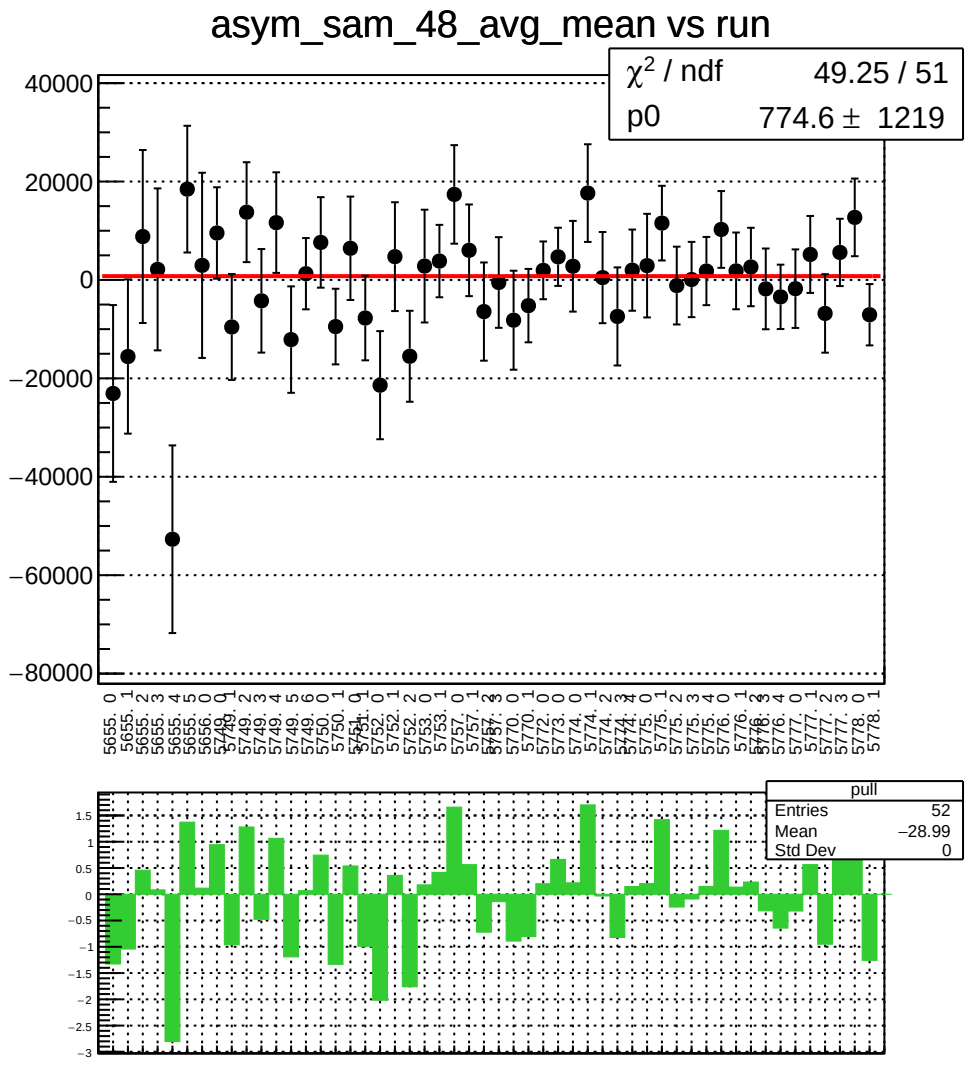

pull1D
Entries 52
Mean 0.003829
Std Dev 1.114
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

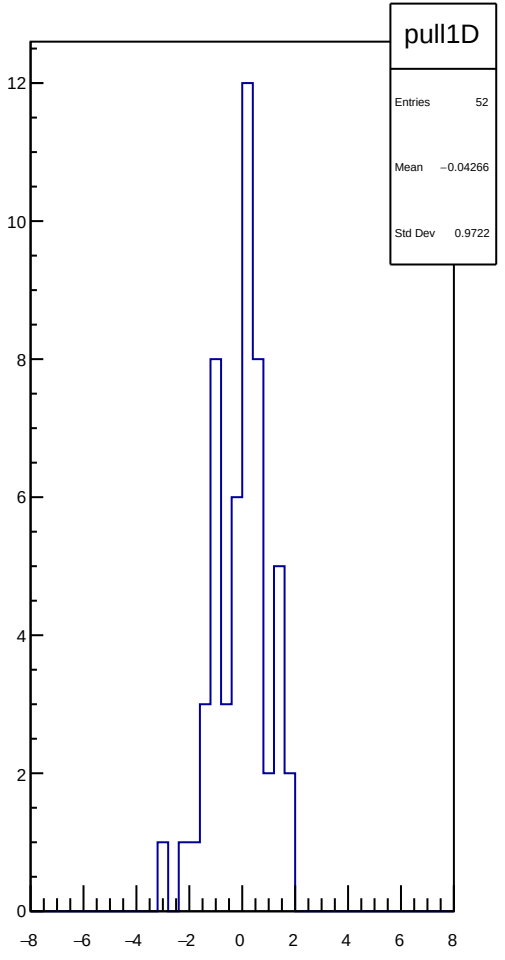

eigen_dit_asym_sam_48_avg_rms vs run
χ² / ndf 2.387e+04 / 51
p0 117 ± 0.113
220
200
180
160
140
120
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

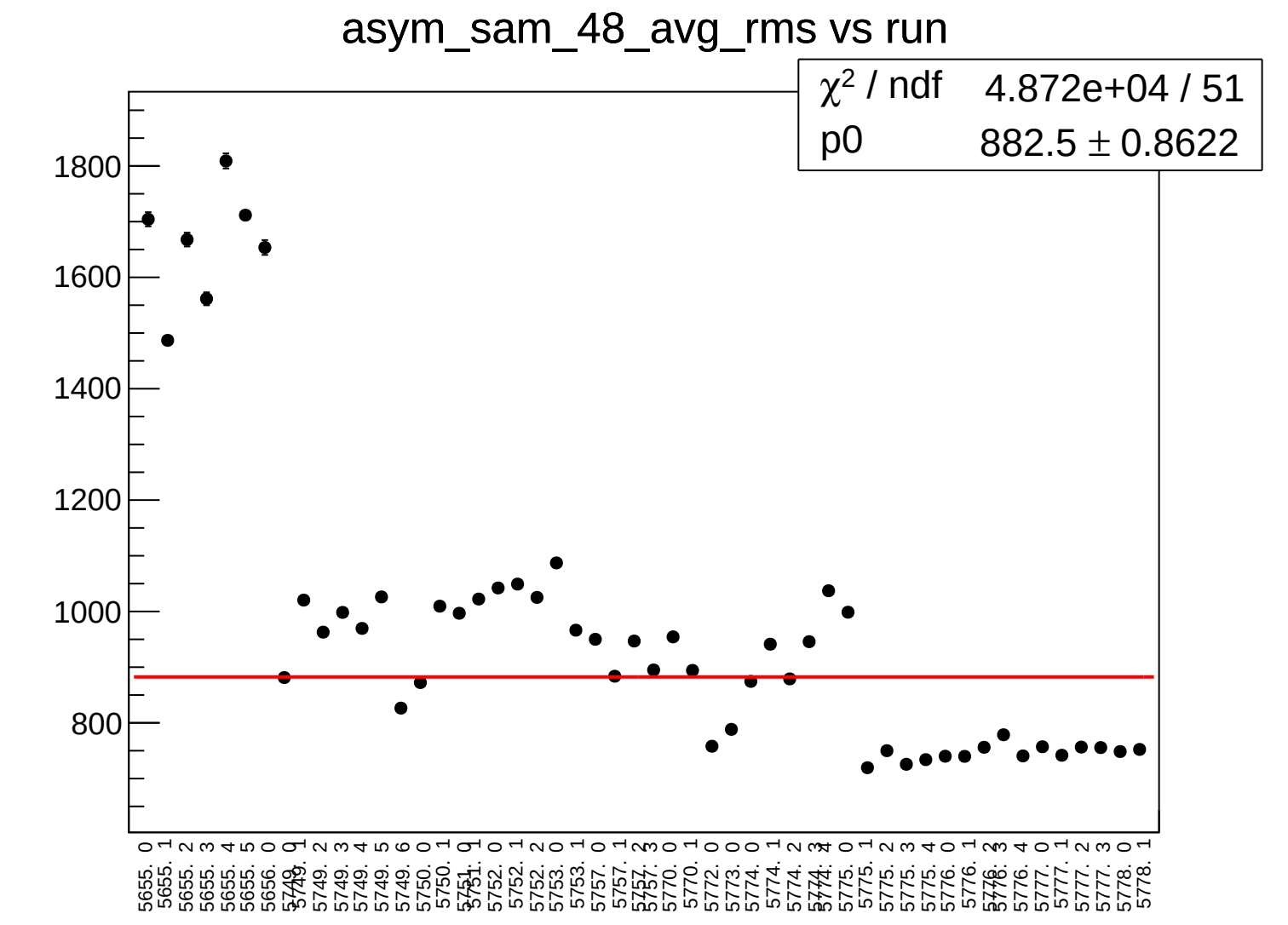

asym_sam_48_avg_eigen_dit_correction_mean vs run
χ² / ndf 49.76 / 51
p0 −777.2 ± 1209
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −27.53
Std Dev 0


pull1D
Entries 52
Mean 0.04161
Std Dev 0.9773
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_avg_eigen_dit_correction_rms vs run
χ² / ndf 5.057e+04 / 51
p0 874.3 ± 0.8549
1800
1600
1400
1200
1000
800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_48_avg_mean vs run
χ² / ndf 49.25 / 51
p0 774.6 ± 1219
pull
Entries 52
Mean −28.99
Std Dev 0


pull1D
Entries 52
Mean −0.04266
Std Dev 0.9722


asym_sam_48_avg_rms vs run
χ² / ndf 4.872e+04 / 51
p0 882.5 ± 0.8622
1800
1600
1400
1200
1000
800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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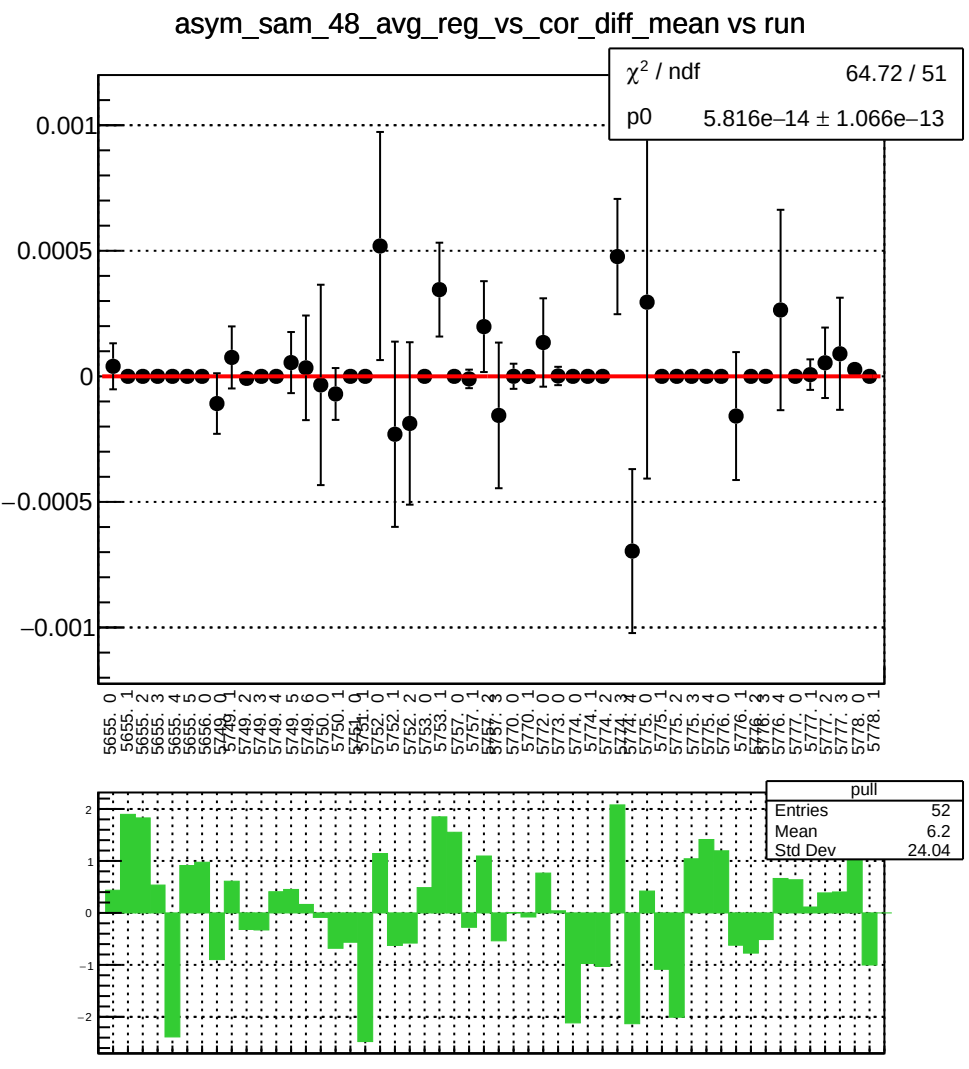
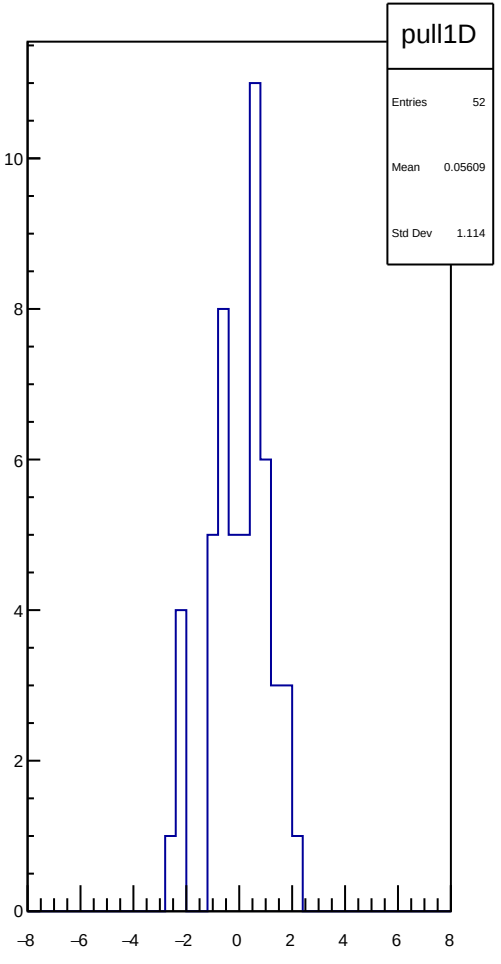
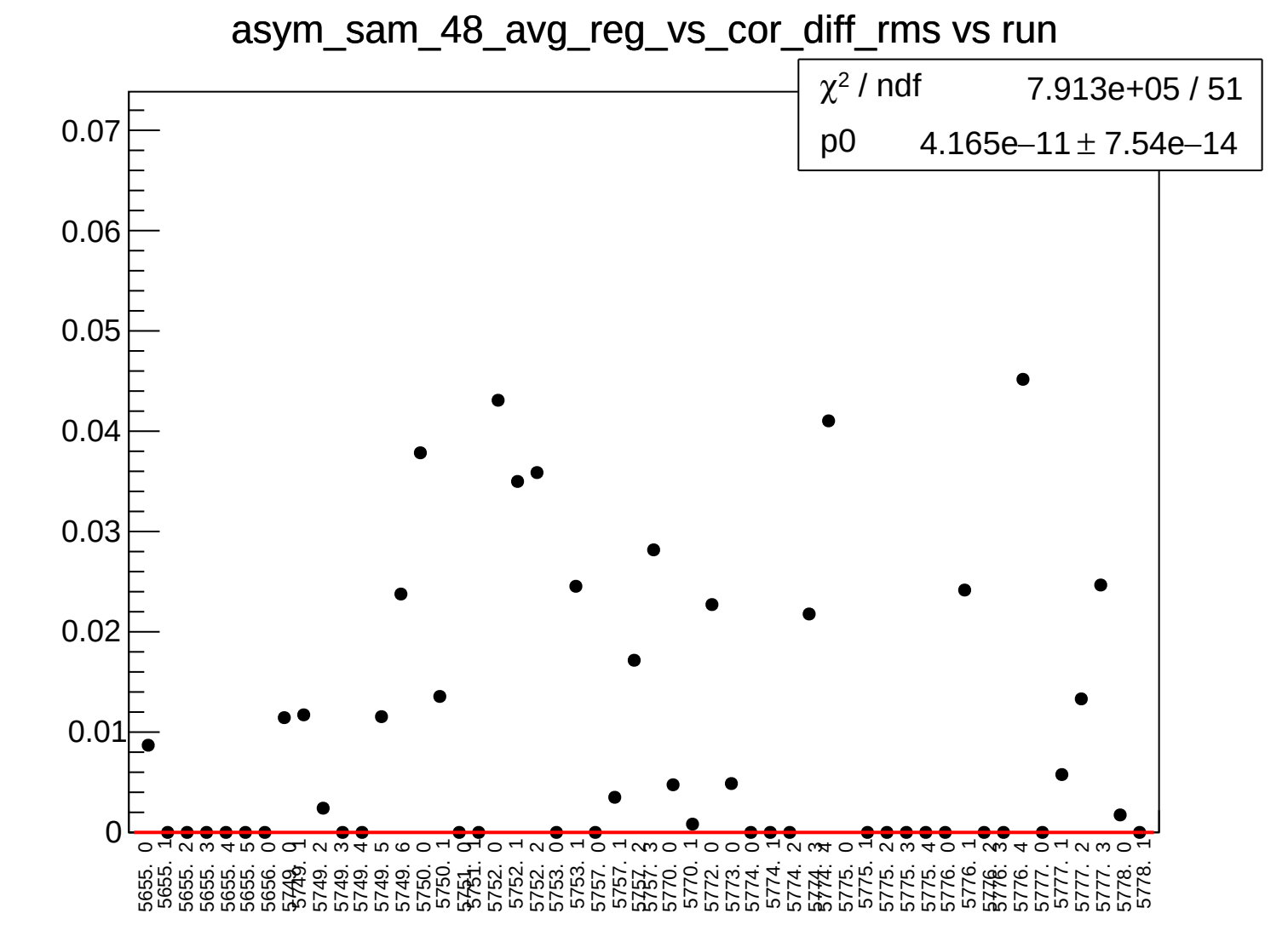
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_48_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 64.72 / 51
p0 5.816e−14 ± 1.066e−13
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 52
Mean 6.2
Std Dev 24.04


pull1D
Entries 52
Mean 0.05609
Std Dev 1.114


asym_sam_48_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.913e+05 / 51
p0 4.165e−11 ± 7.54e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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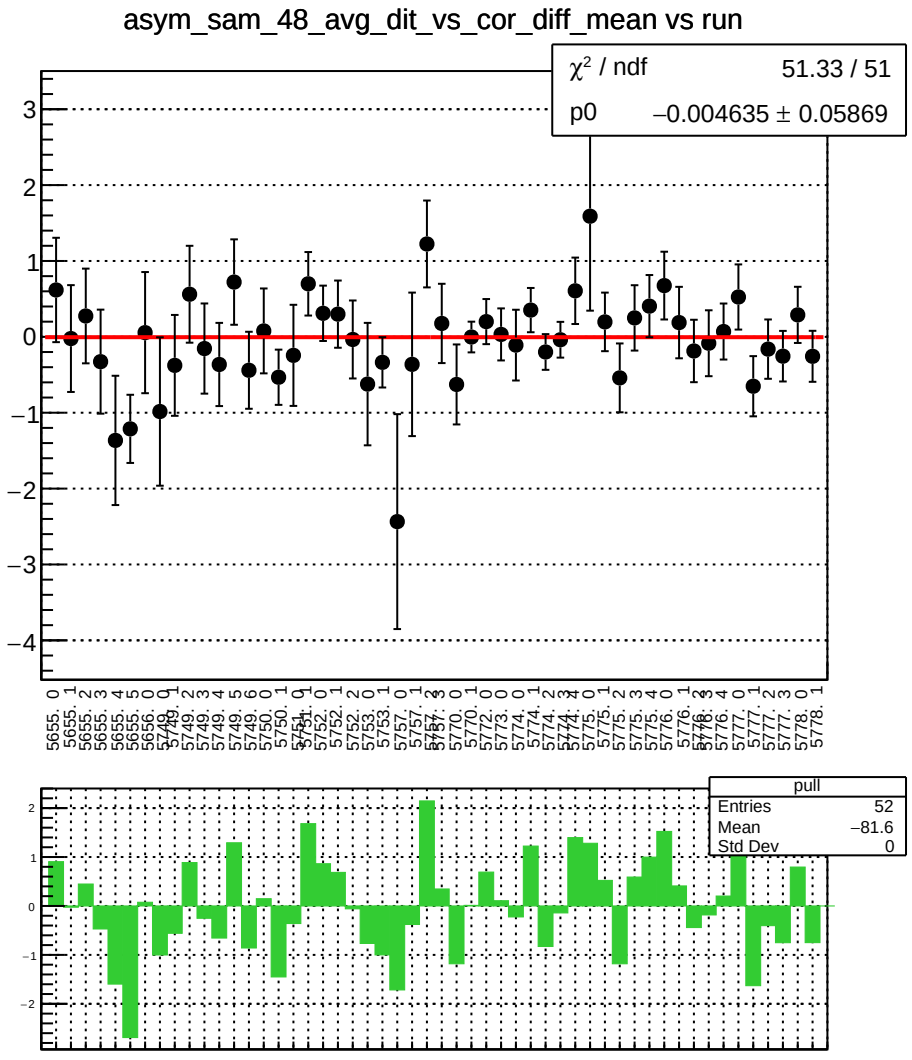
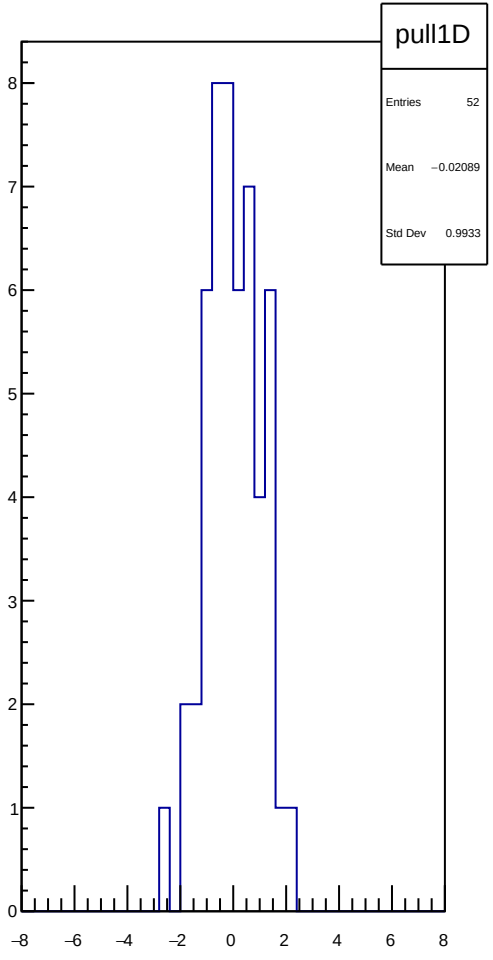
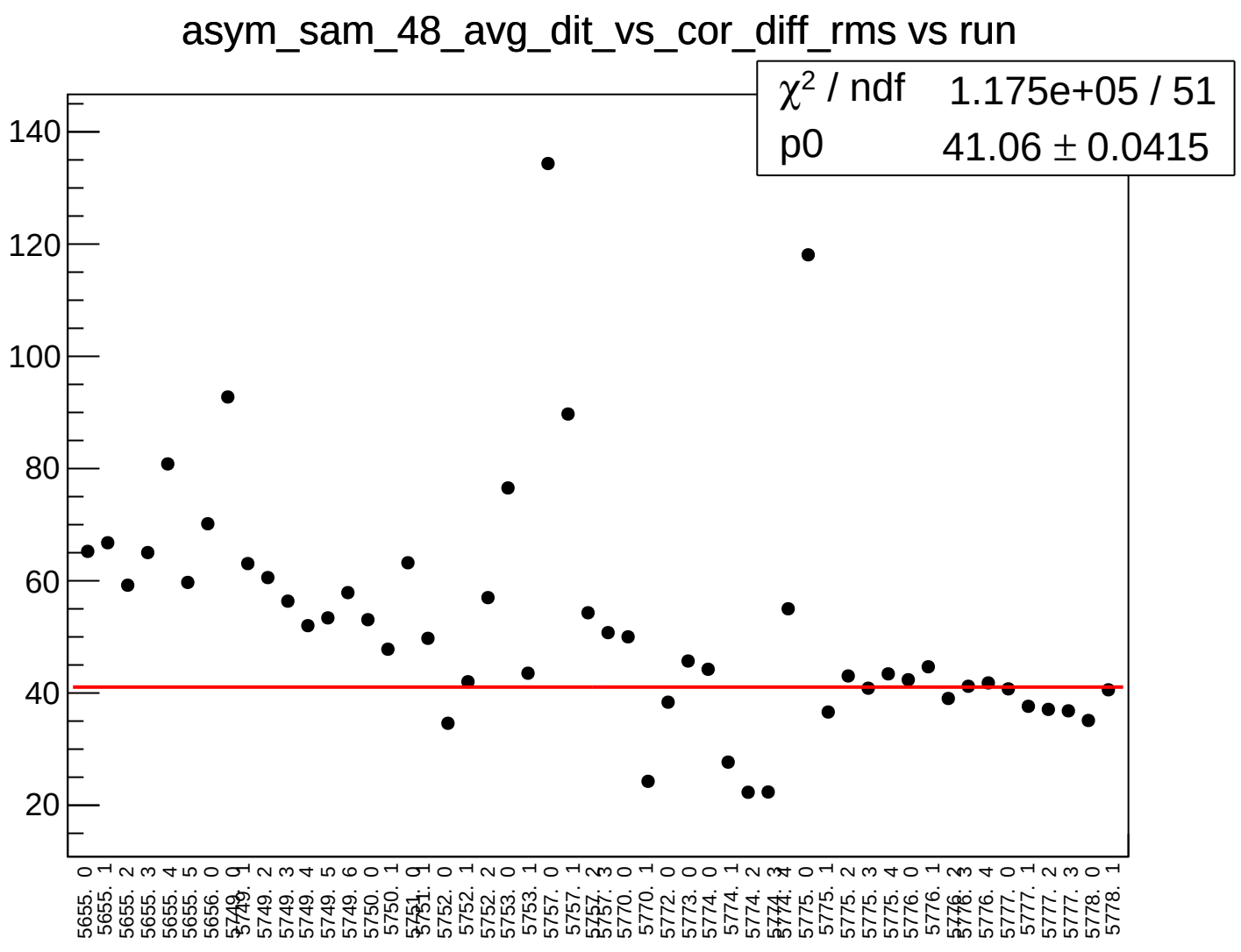
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_48_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 51.33 / 51
p0 −0.004635 ± 0.05869
pull
Entries 52
Mean −81.6
Std Dev 0


pull1D
Entries 52
Mean −0.02089
Std Dev 0.9933


asym_sam_48_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.175e+05 / 51
p0 41.06 ± 0.0415
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
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5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5772. 0
5773. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
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5775. 2
5775. 3
5775. 4
5776. 0
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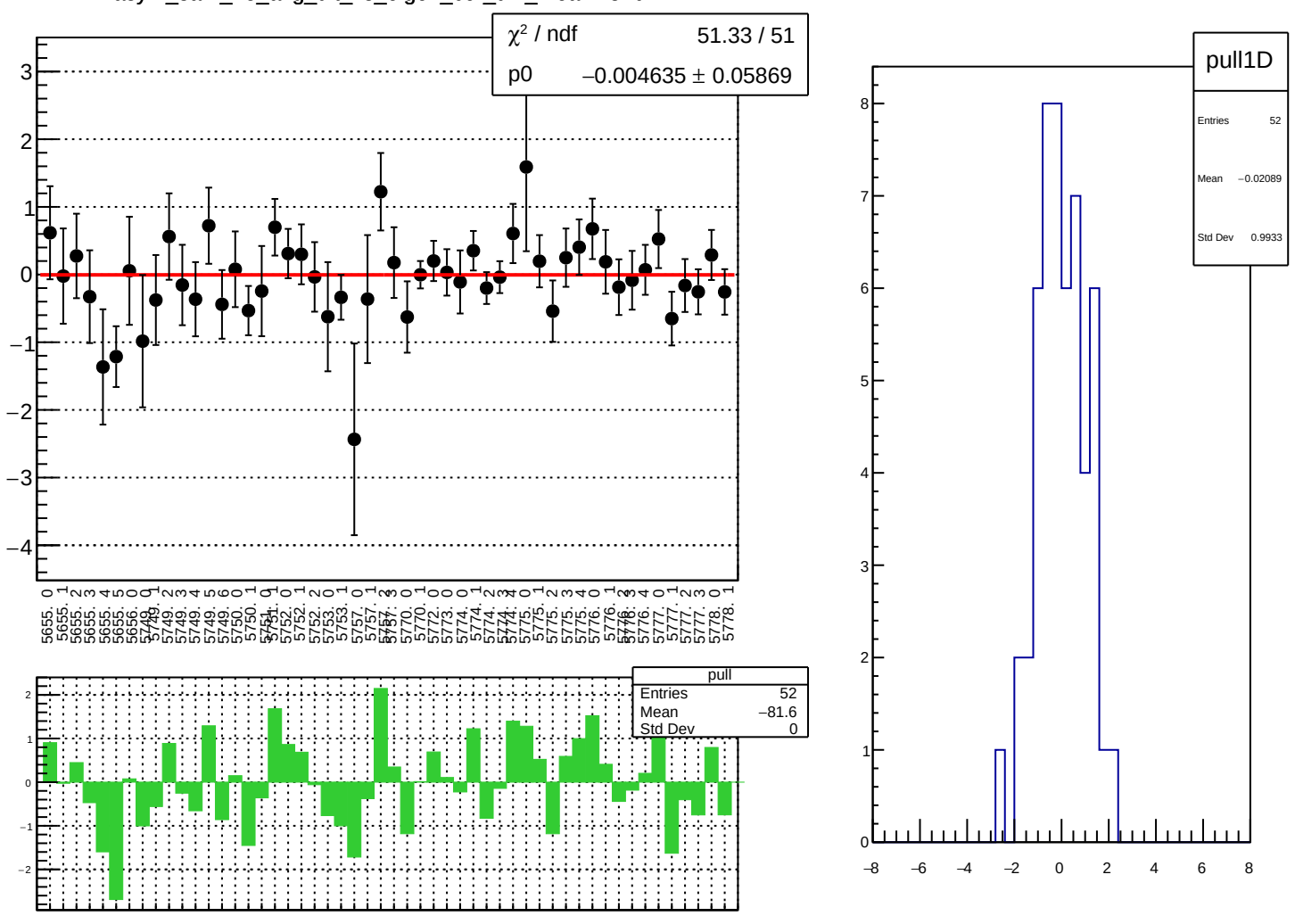
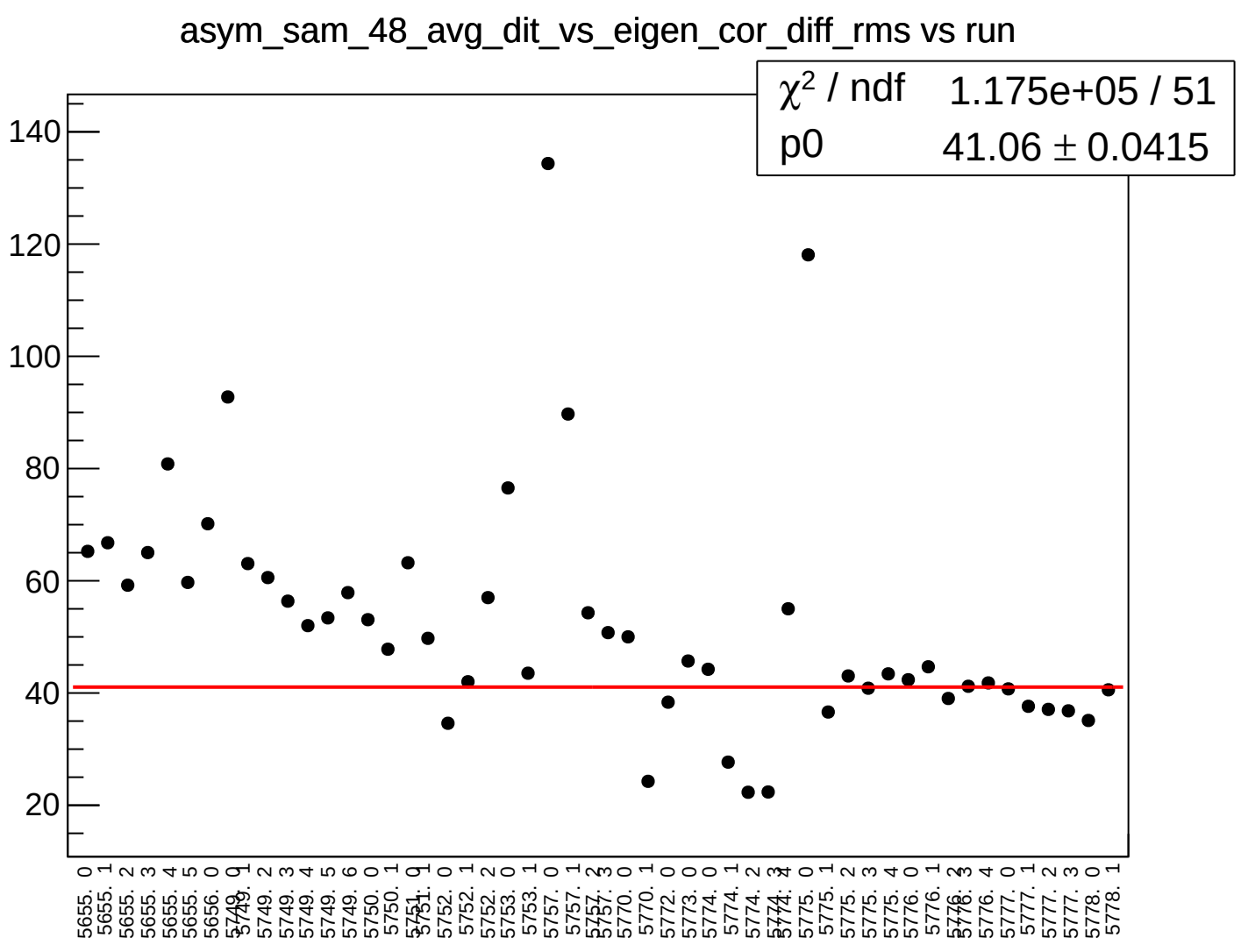
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.33 / 51
p0 −0.004635 ± 0.05869
pull
Entries 52
Mean −81.6
Std Dev 0
pull1D
Entries 52
Mean −0.02089
Std Dev 0.9933


asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.175e+05 / 51
p0 41.06 ± 0.0415
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
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5749. 2
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5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
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5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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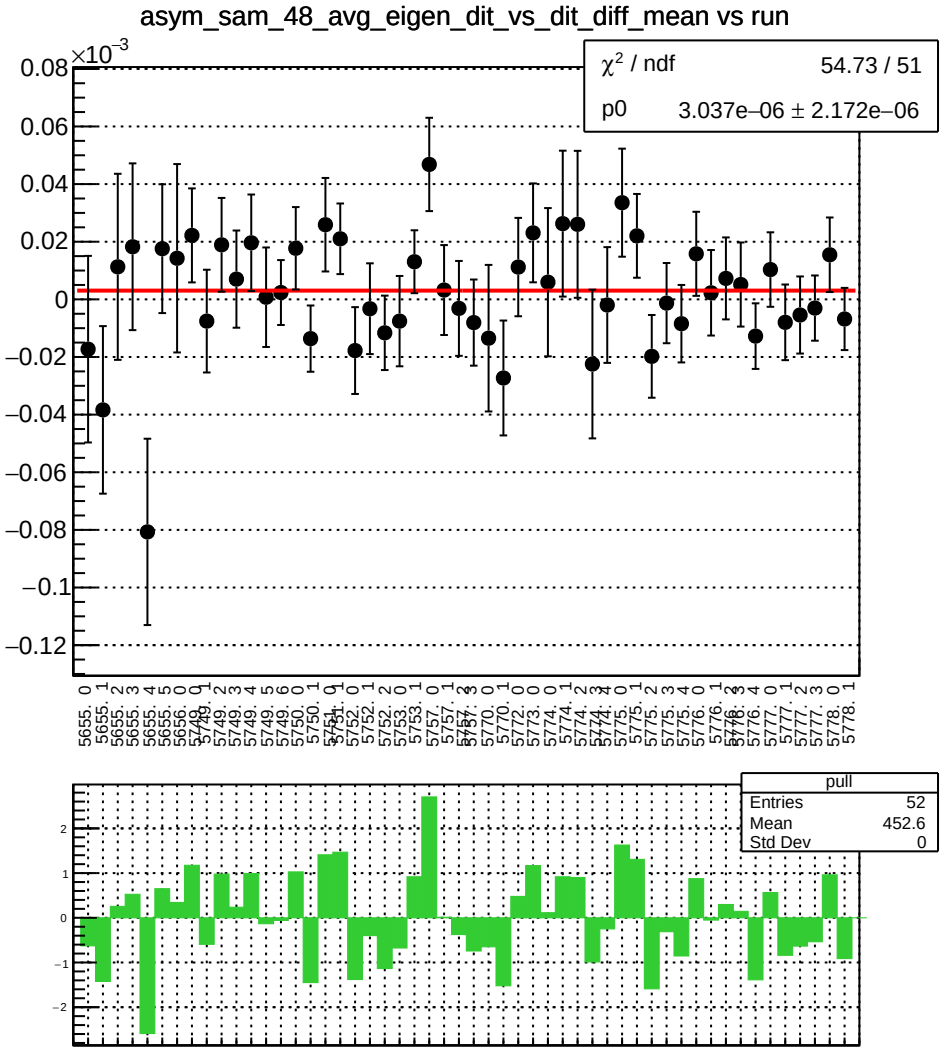
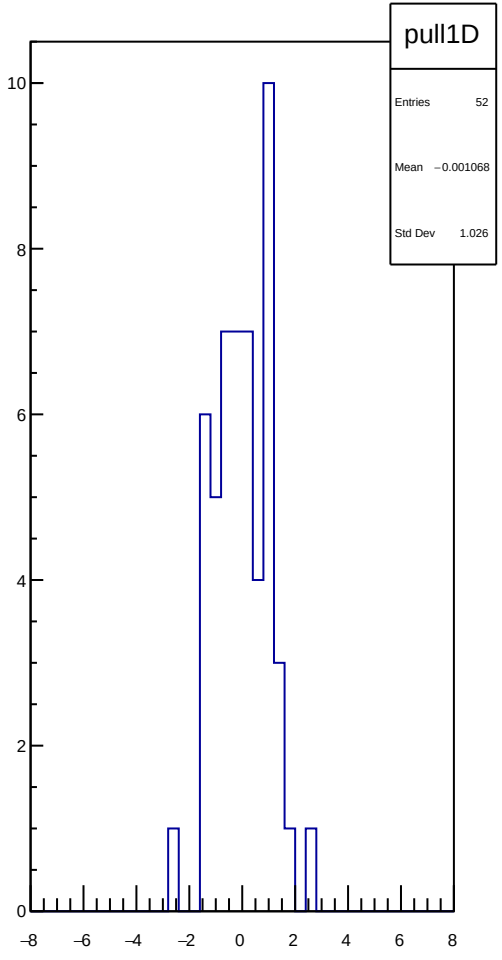
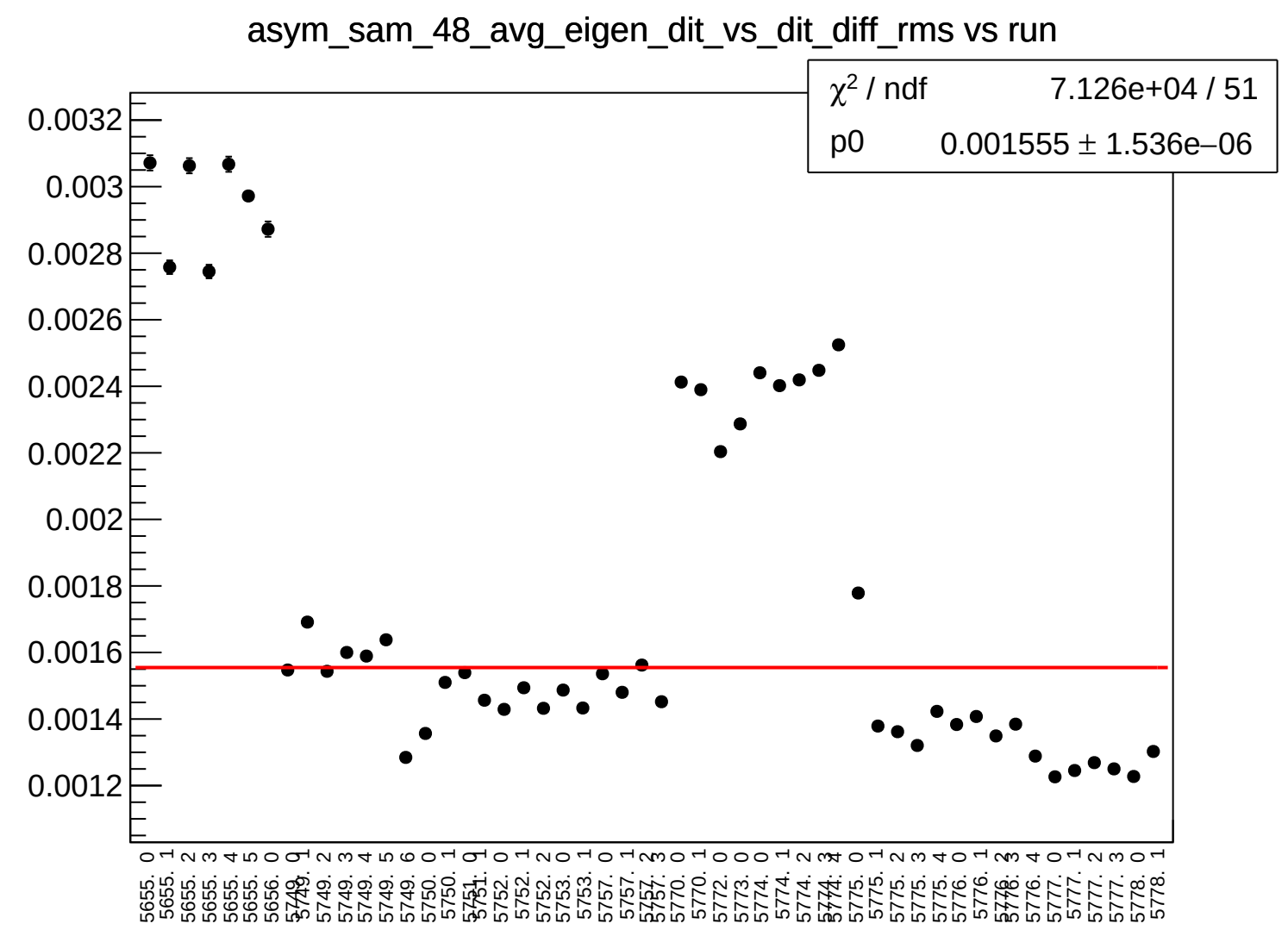
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.73 / 51
p0 3.037e−06 ± 2.172e−06
pull
Entries 52
Mean 452.6
Std Dev 0


pull1D
Entries 52
Mean −0.001068
Std Dev 1.026


asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7.126e+04 / 51
p0 0.001555 ± 1.536e−06
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
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5773. 0
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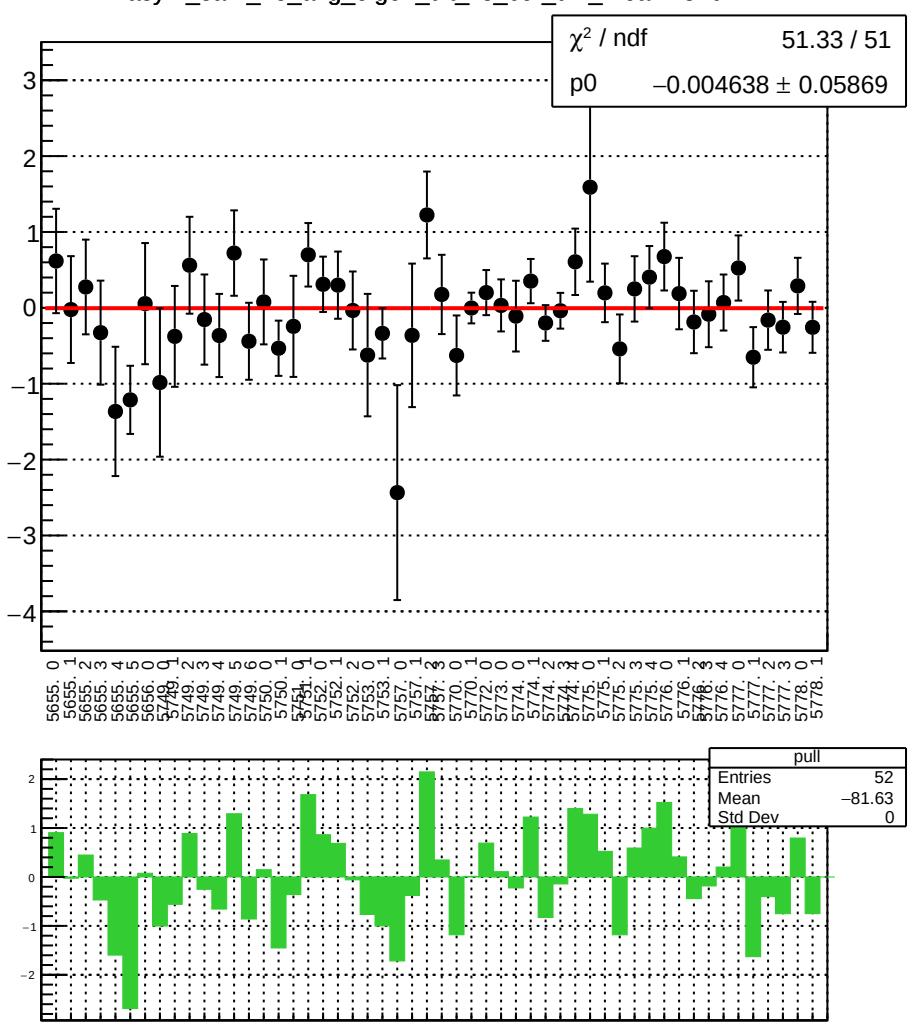
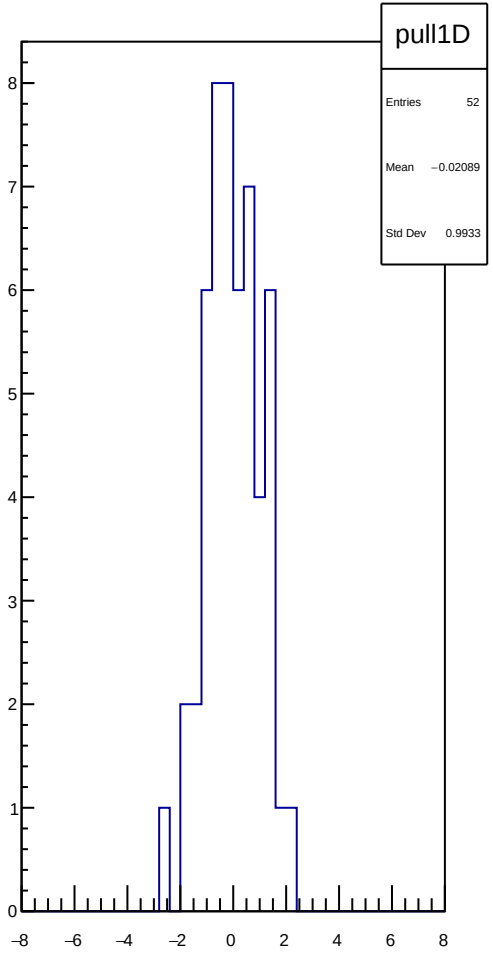
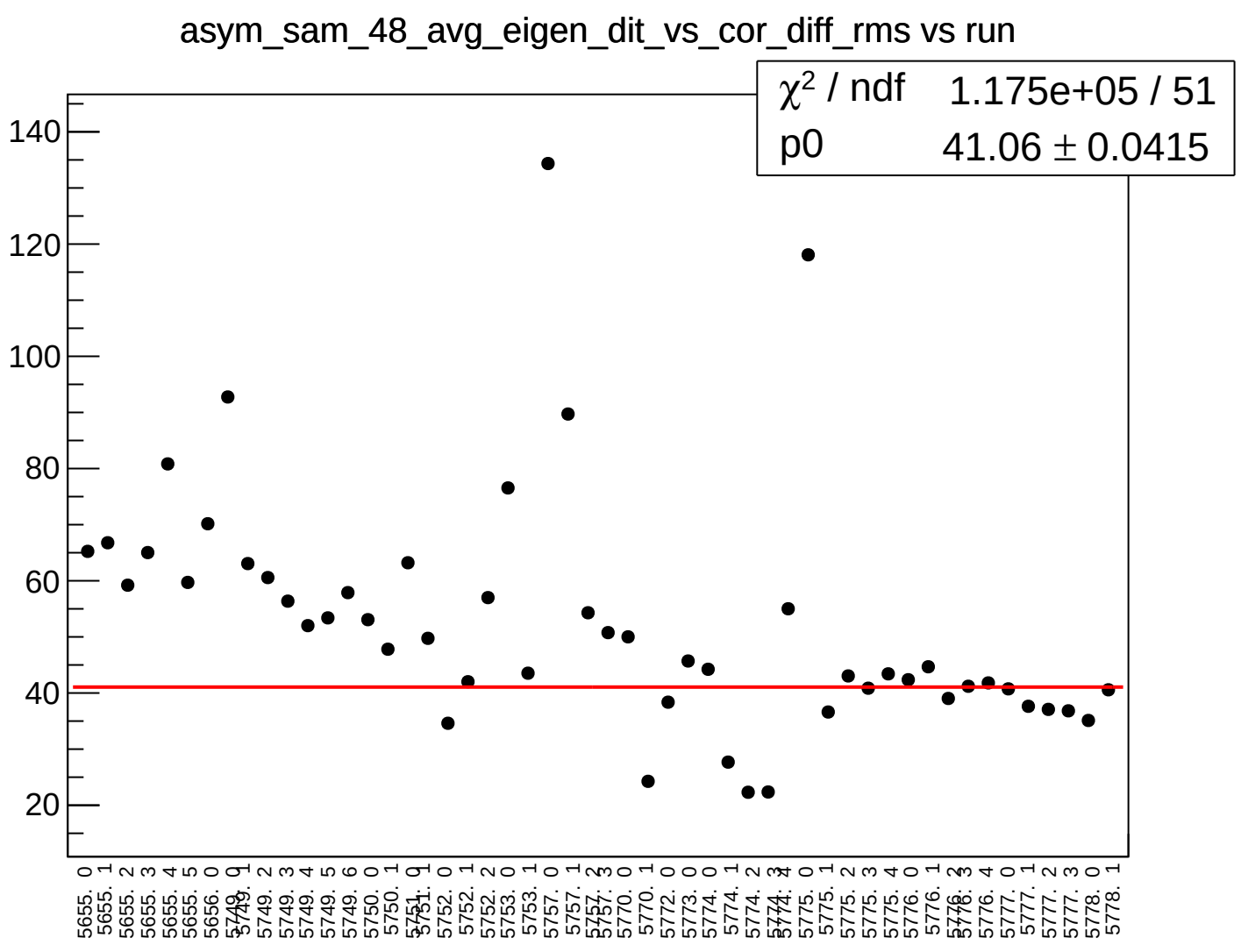
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.33 / 51
p0 −0.004638 ± 0.05869
pull
Entries 52
Mean −81.63
Std Dev 0


pull1D
Entries 52
Mean −0.02089
Std Dev 0.9933


asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.175e+05 / 51
p0 41.06 ± 0.0415
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
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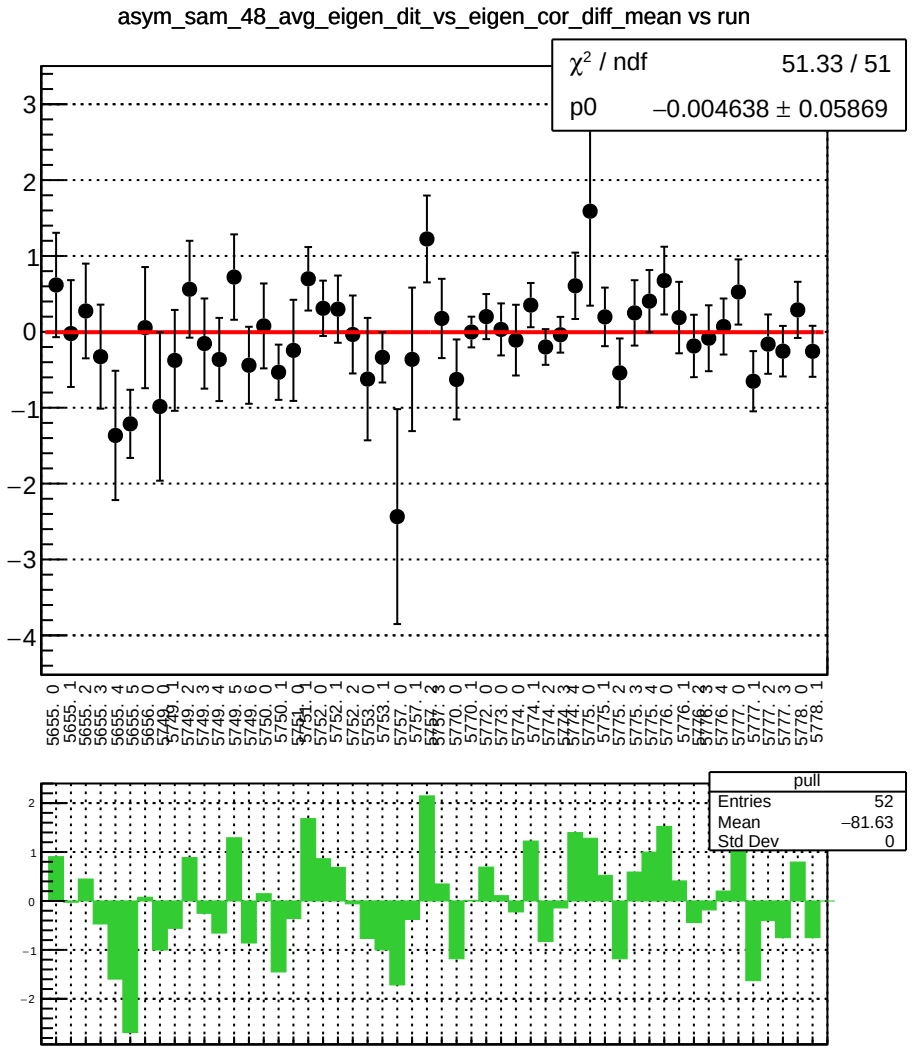
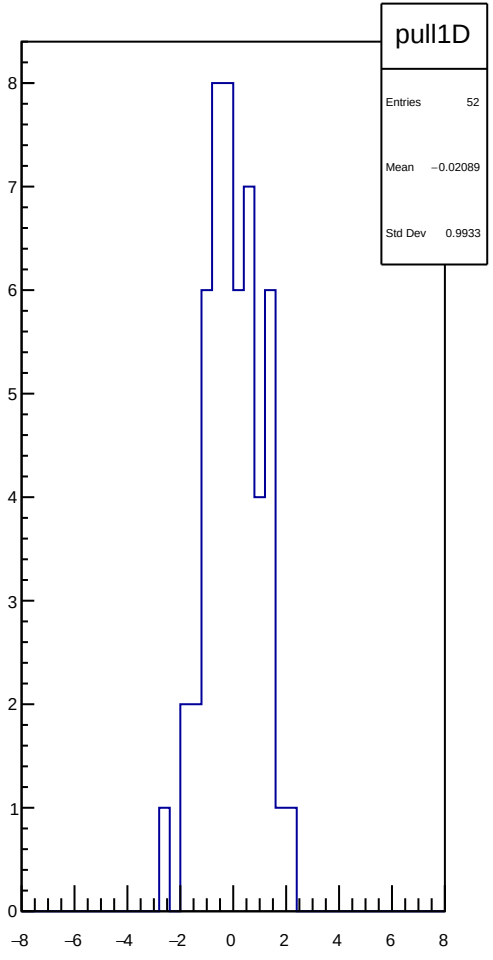
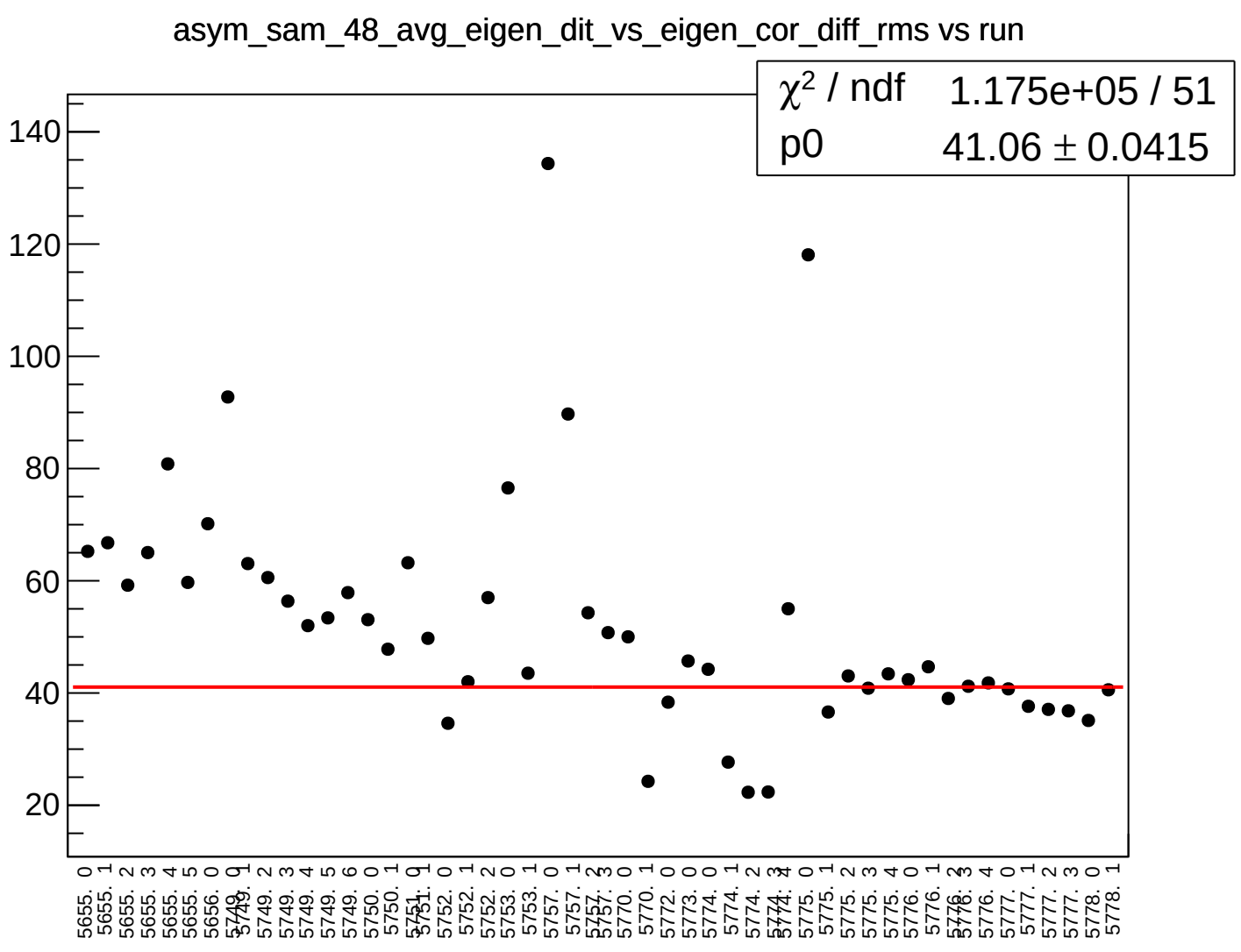
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.33 / 51
p0 −0.004638 ± 0.05869
pull
Entries 52
Mean −81.63
Std Dev 0


pull1D
Entries 52
Mean −0.02089
Std Dev 0.9933


asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.175e+05 / 51
p0 41.06 ± 0.0415
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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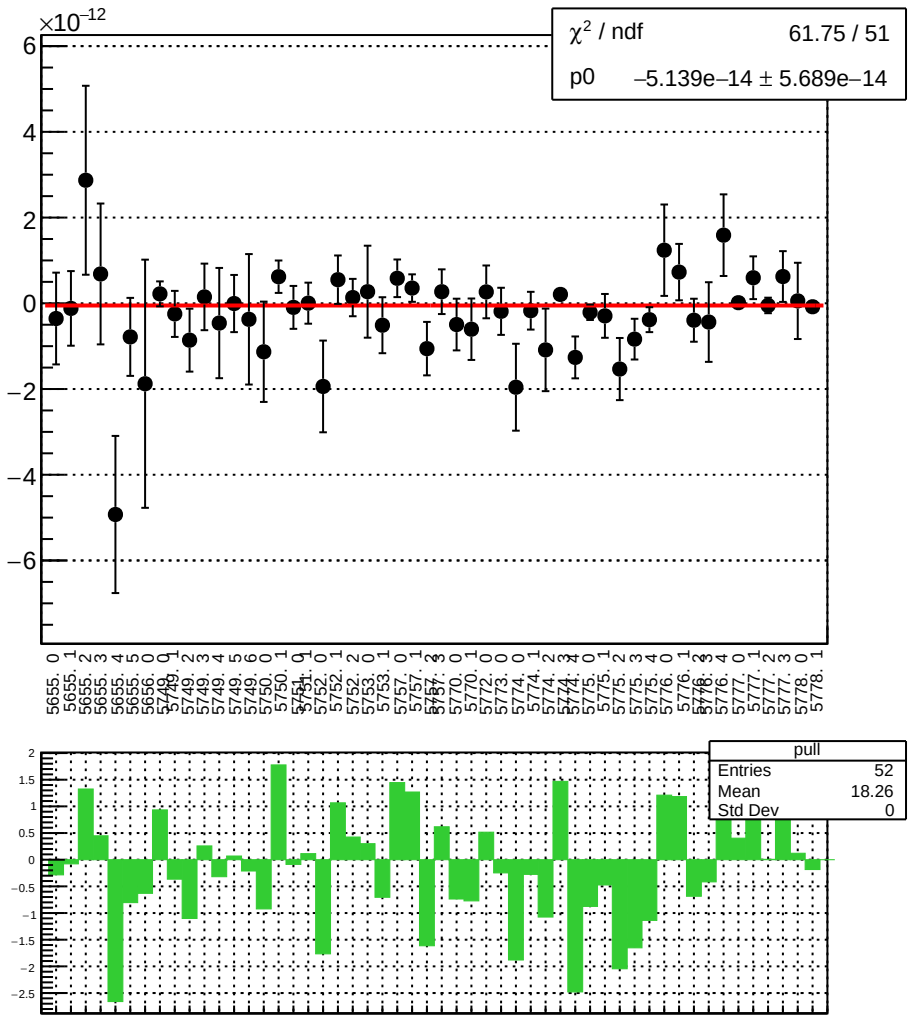
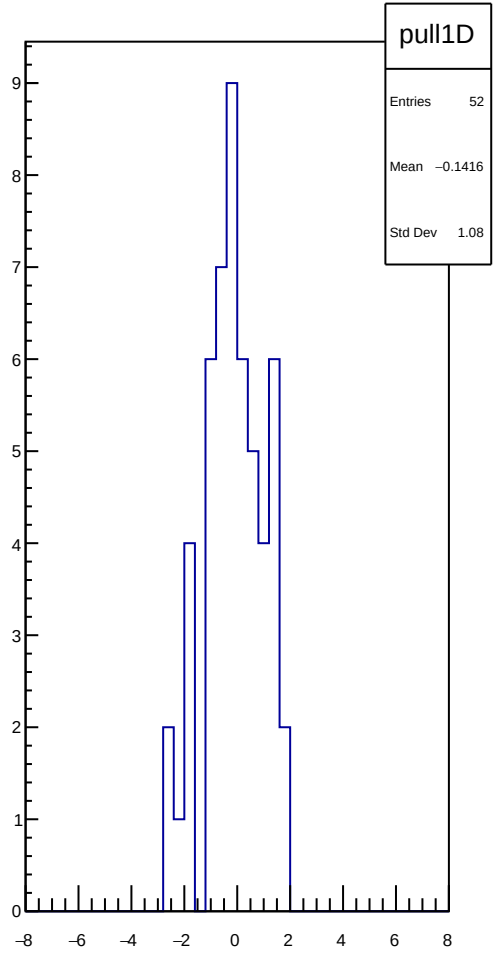
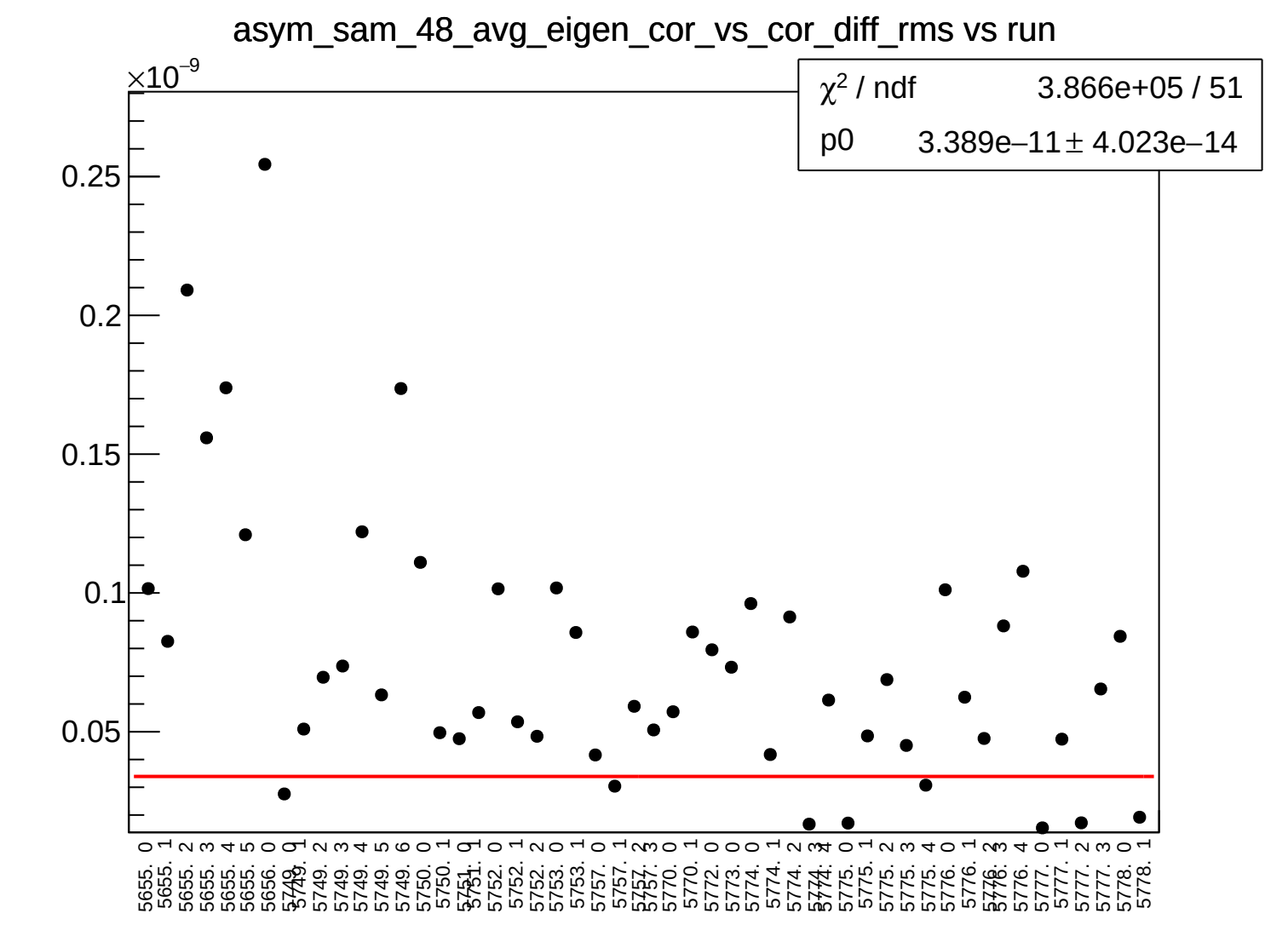
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 61.75 / 51
p0 −5.139e−14 ± 5.689e−14
pull
Entries 52
Mean 18.26
Std Dev 0


pull1D
Entries 52
Mean −0.1416
Std Dev 1.08


asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.866e+05 / 51
p0 3.389e−11 ± 4.023e−14
0.25
0.2
0.15
0.1
0.05
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
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5751. 0
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5752. 1
5752. 2
5753. 0
5753. 1
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5757. 3
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5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
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5775. 2
5775. 3
5775. 4
5776. 0
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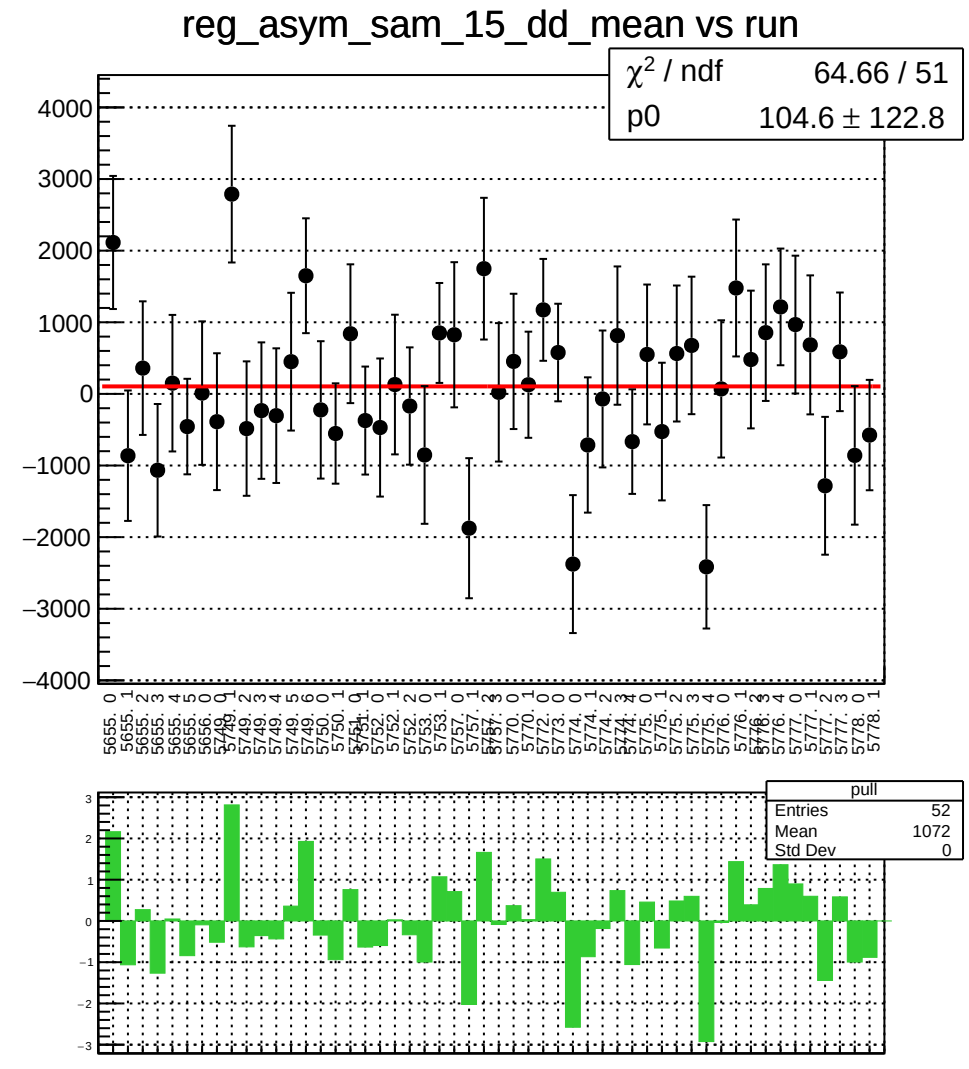
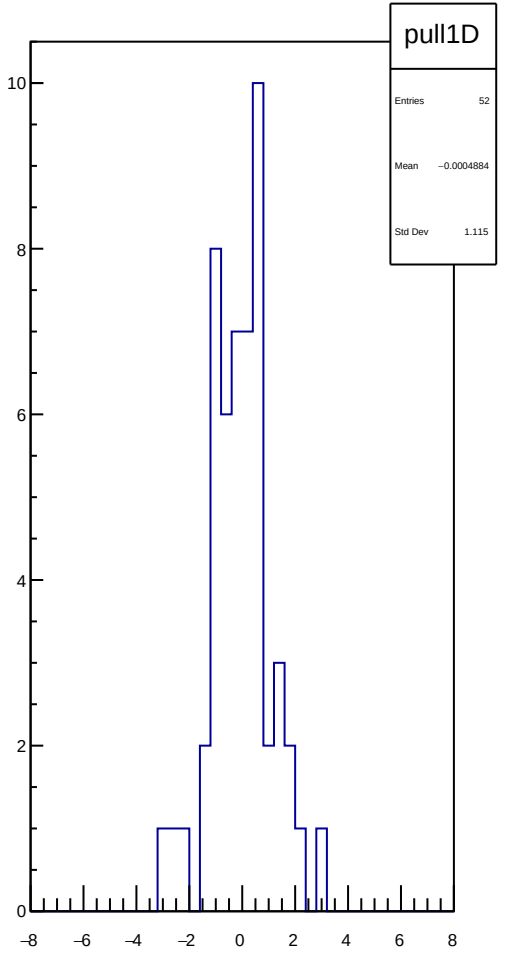
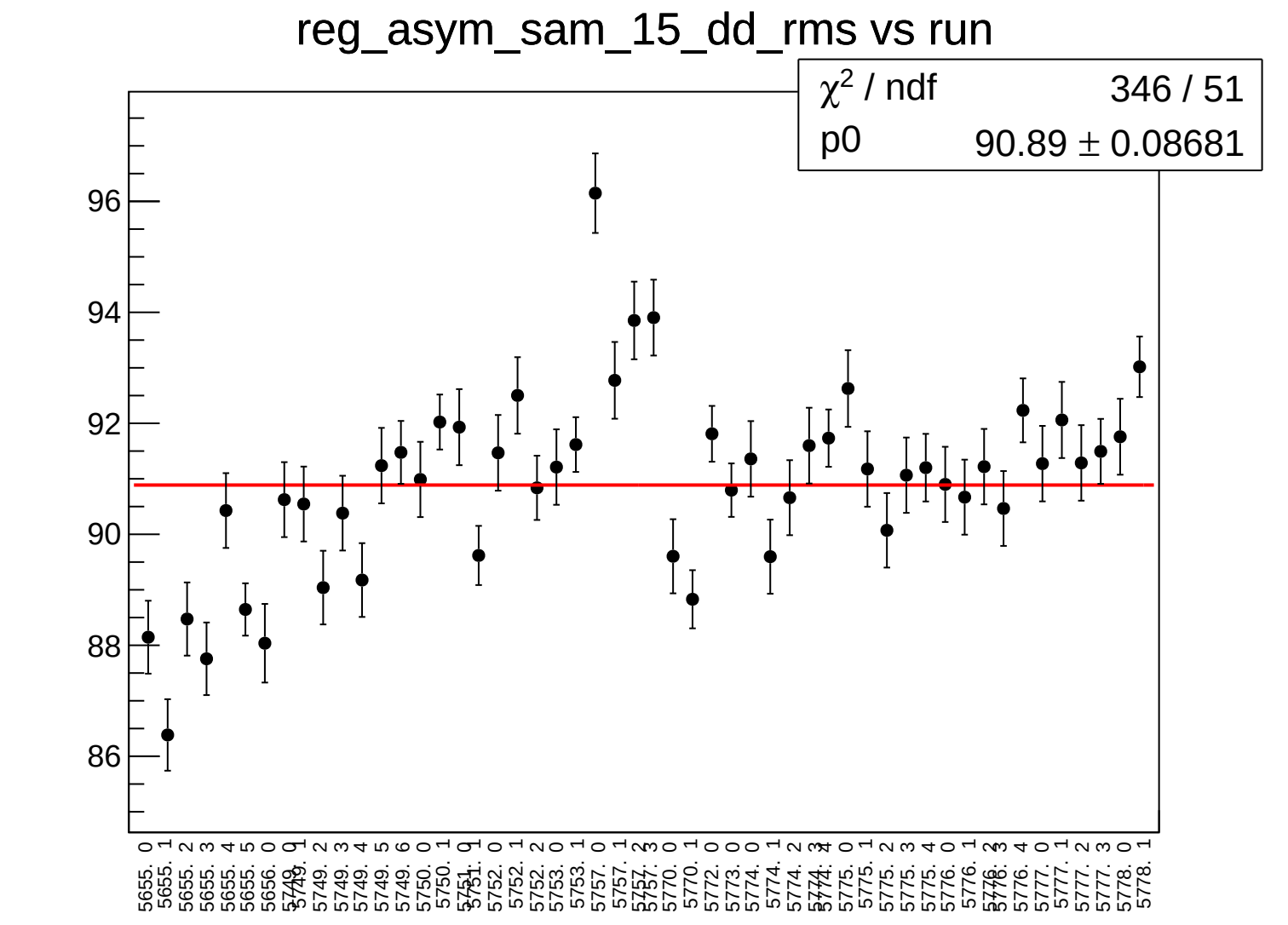
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


reg_asym_sam_15_dd_mean vs run
χ² / ndf 64.66 / 51
p0 104.6 ± 122.8
pull
Entries 52
Mean 1072
Std Dev 0


pull1D
Entries 52
Mean −0.0004884
Std Dev 1.115


reg_asym_sam_15_dd_rms vs run
χ^2 / ndf 346 / 51
p0 90.89 ± 0.08681
96
94
92
90
88
86
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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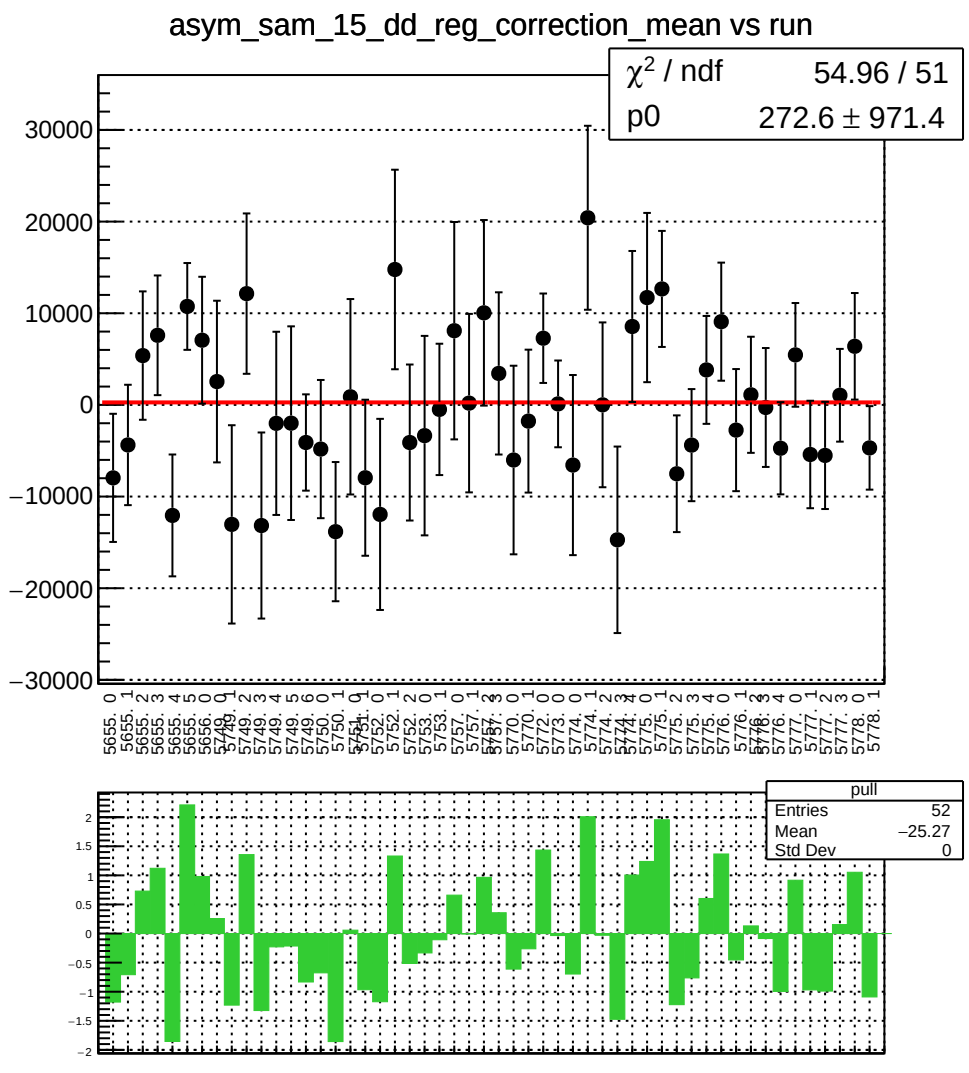
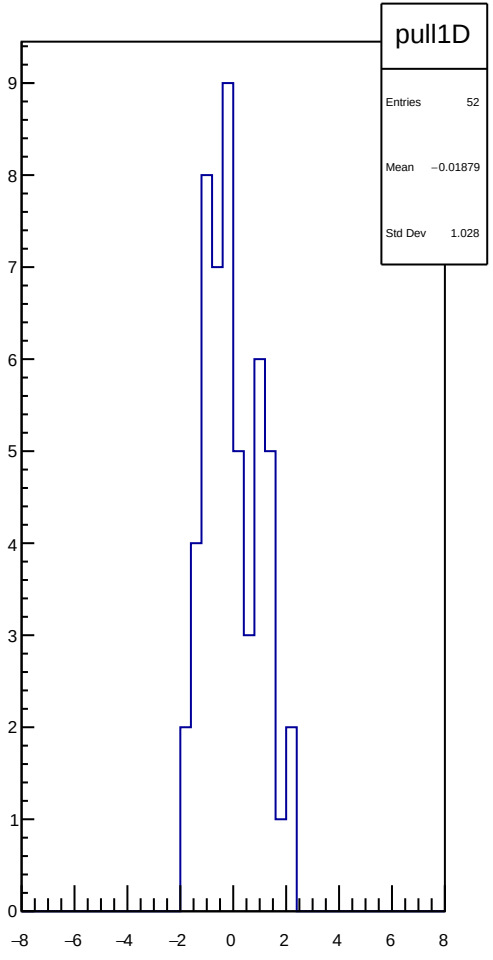
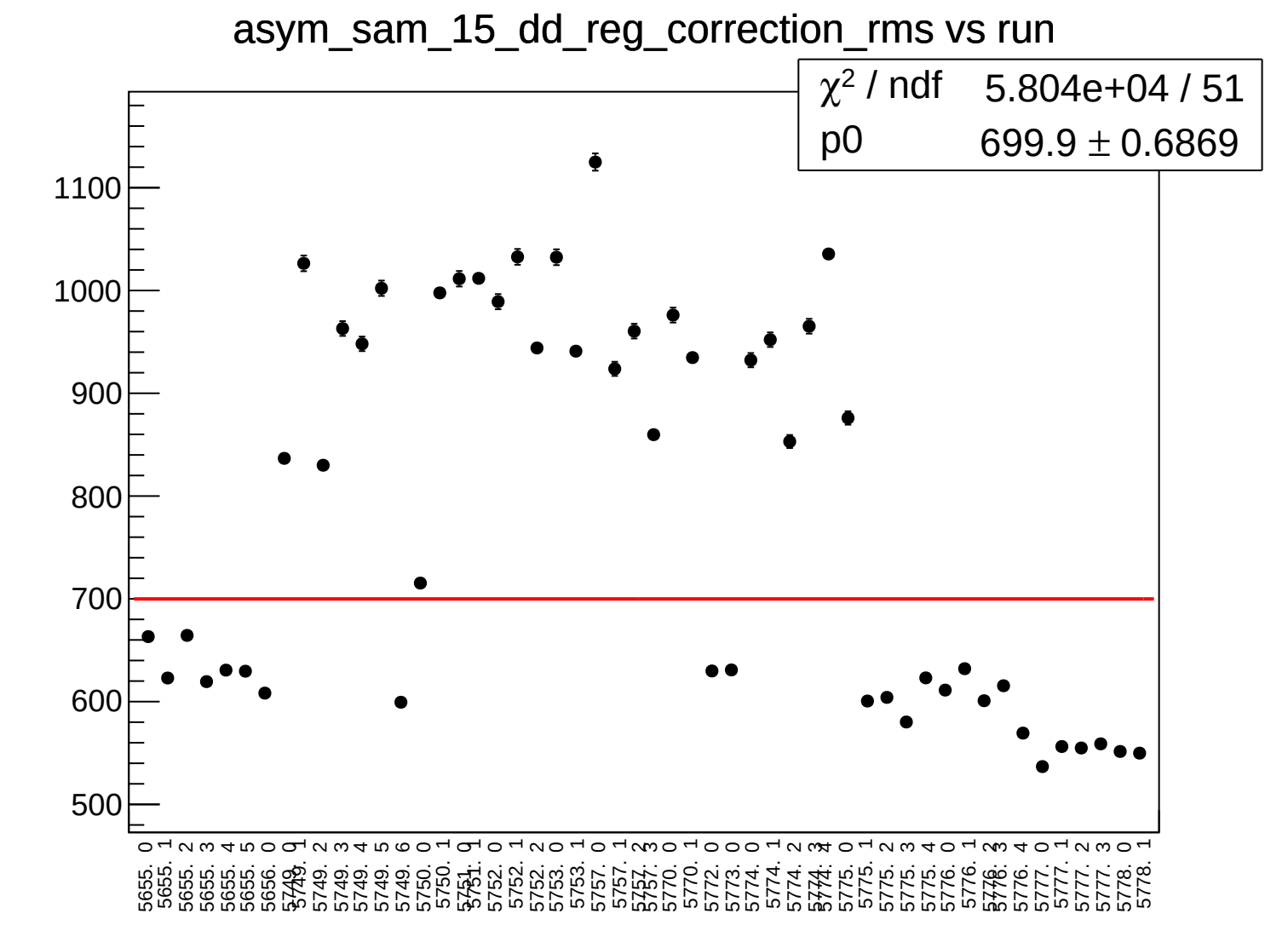
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_15_dd_reg_correction_mean vs run
χ² / ndf 54.96 / 51
p0 272.6 ± 971.4
pull
Entries 52
Mean −25.27
Std Dev 0


pull1D
Entries 52
Mean −0.01879
Std Dev 1.028


asym_sam_15_dd_reg_correction_rms vs run
χ² / ndf 5.804e+04 / 51
p0 699.9 ± 0.6869
1100
1000
900
800
700
600
500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
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5752. 2
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5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
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5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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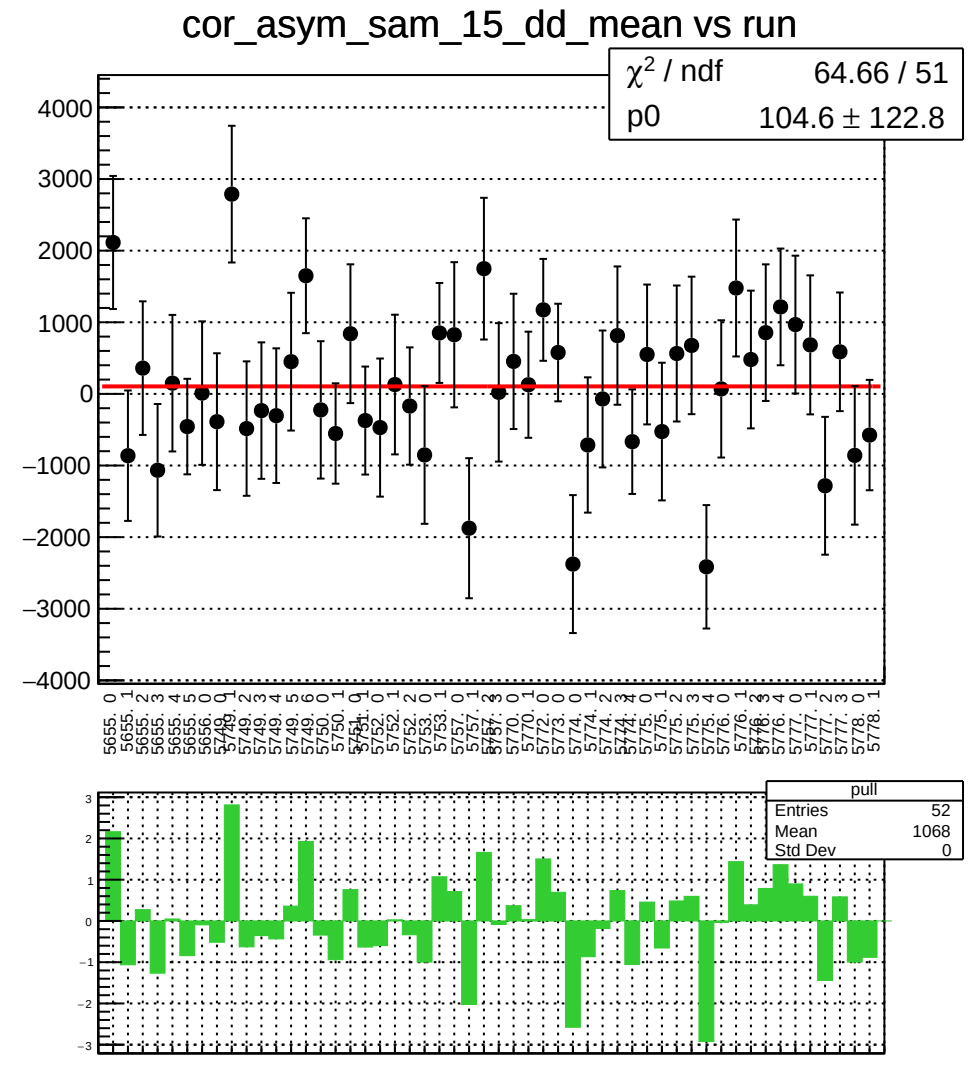
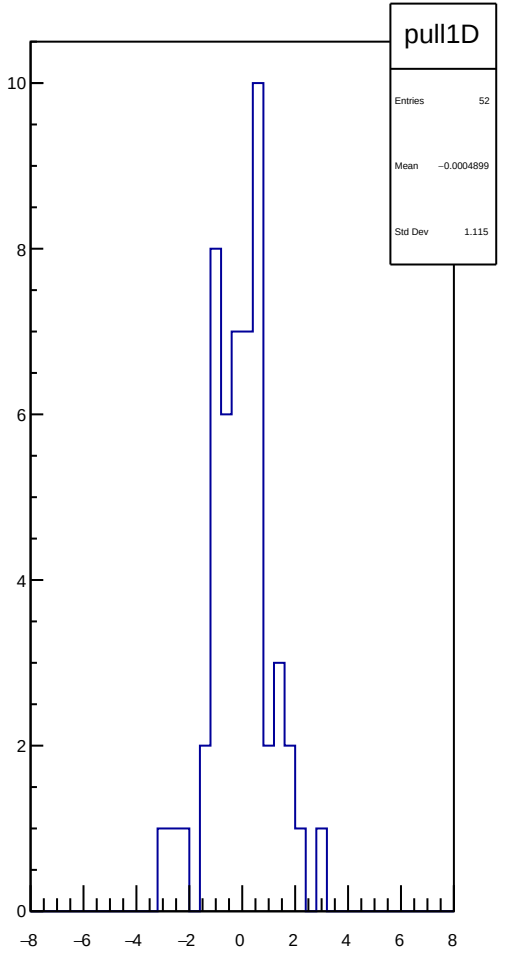
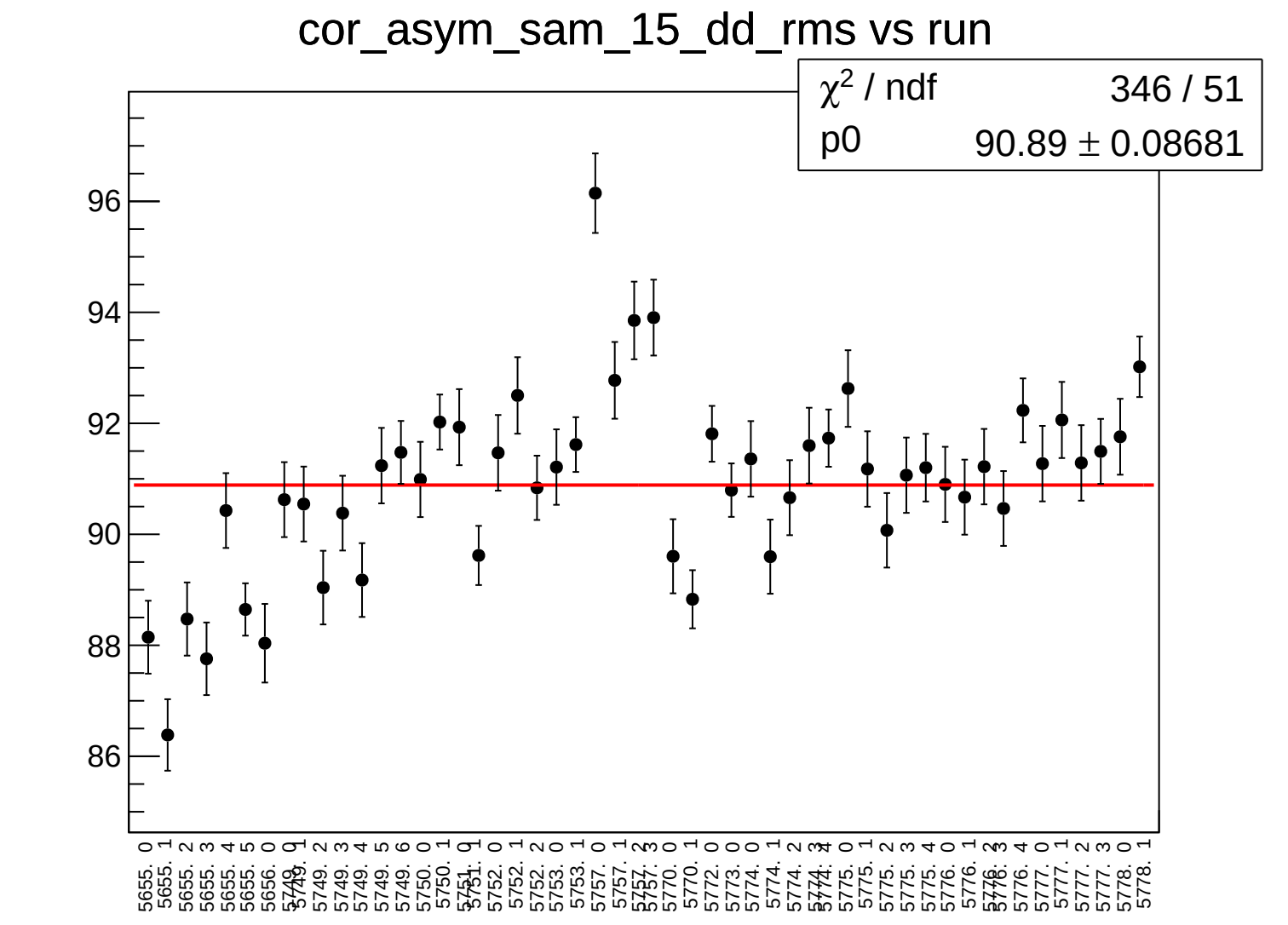
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_sam_15_dd_mean vs run
χ² / ndf 64.66 / 51
p0 104.6 ± 122.8
pull
Entries 52
Mean 1068
Std Dev 0


pull1D
Entries 52
Mean −0.0004899
Std Dev 1.115


cor_asym_sam_15_dd_rms vs run
χ^2 / ndf 346 / 51
p0 90.89 ± 0.08681
96
94
92
90
88
86
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5774. 1
5774. 2
5774. 3
5774. 4
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 4
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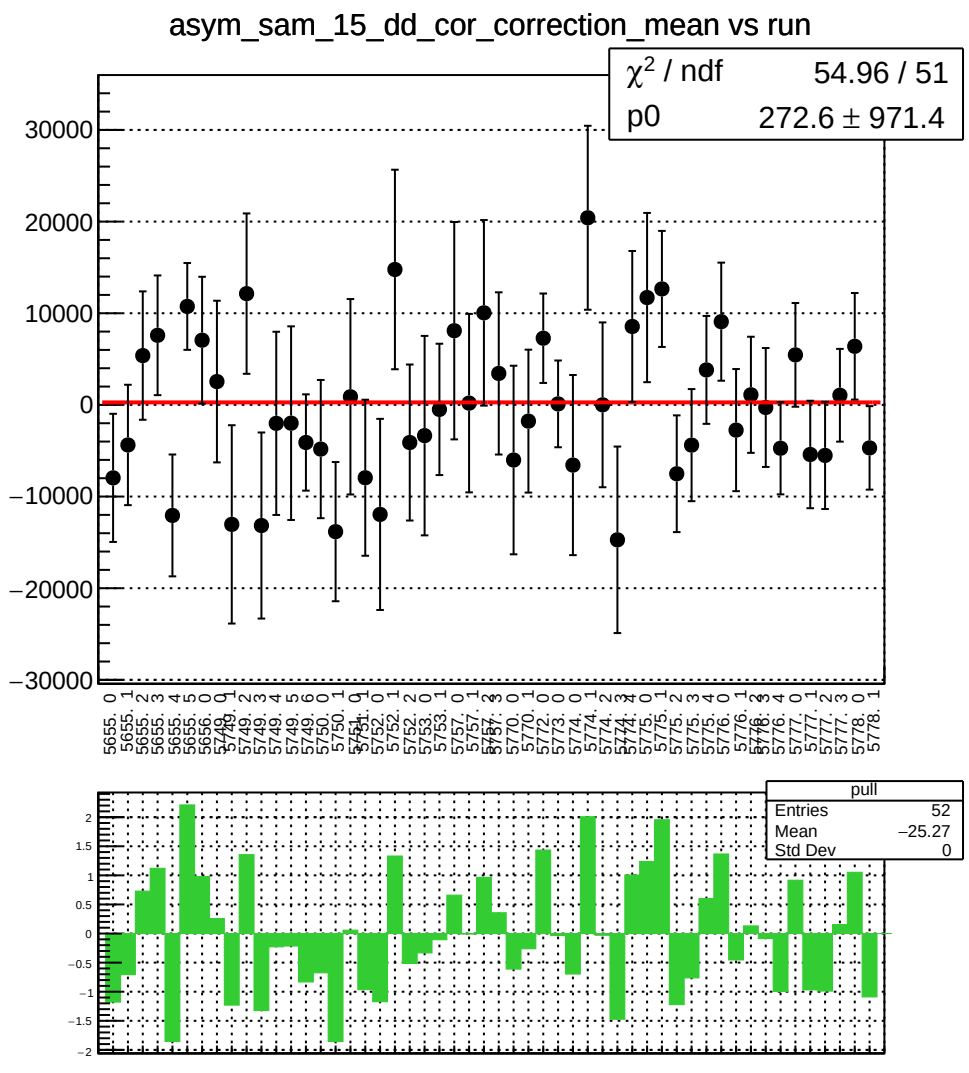
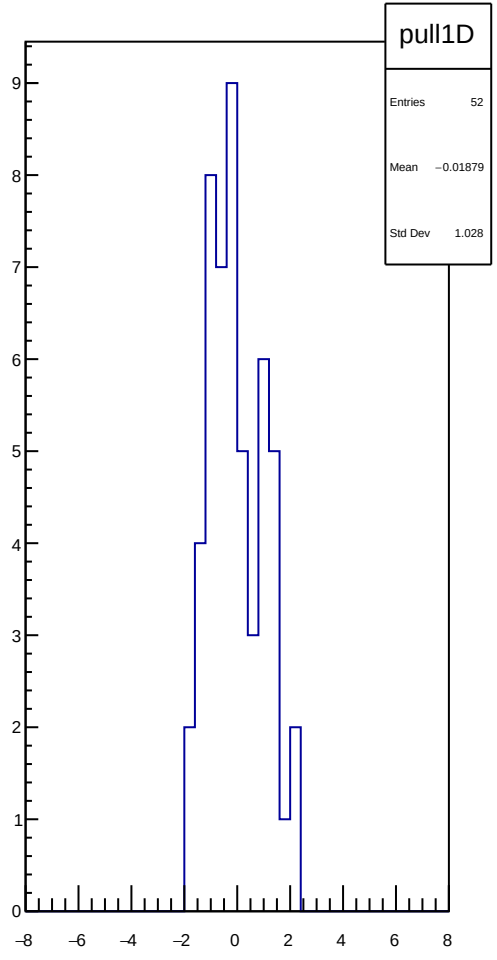
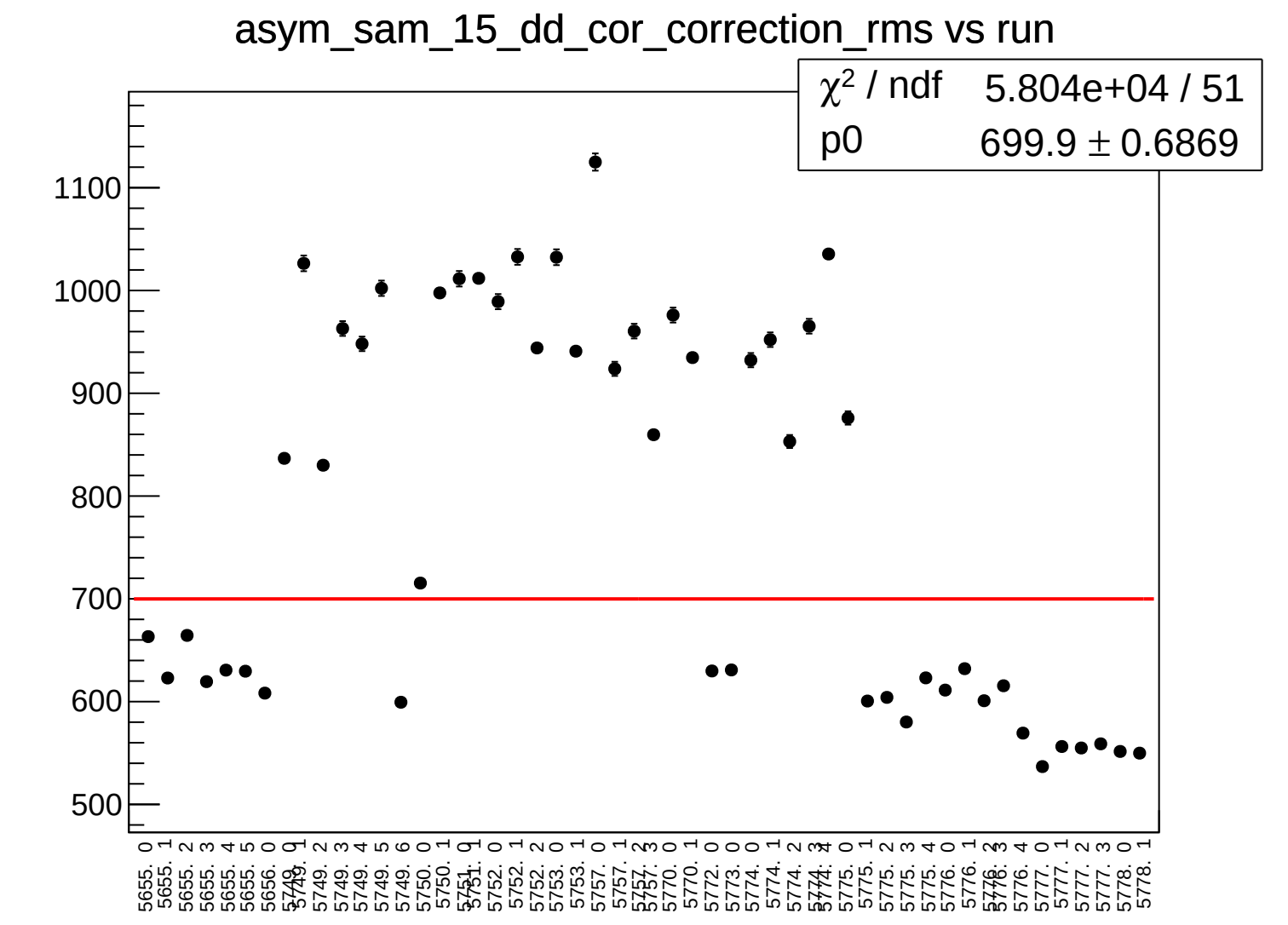
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_15_dd_cor_correction_mean vs run
χ² / ndf 54.96 / 51
p0 272.6 ± 971.4
pull
Entries 52
Mean −25.27
Std Dev 0


pull1D
Entries 52
Mean −0.01879
Std Dev 1.028


asym_sam_15_dd_cor_correction_rms vs run
χ² / ndf 5.804e+04 / 51
p0 699.9 ± 0.6869
1100
1000
900
800
700
600
500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
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5751. 1
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5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
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5774. 2
5774. 3
5774. 4
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5775. 1
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5776. 0
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5776. 3
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5777. 2
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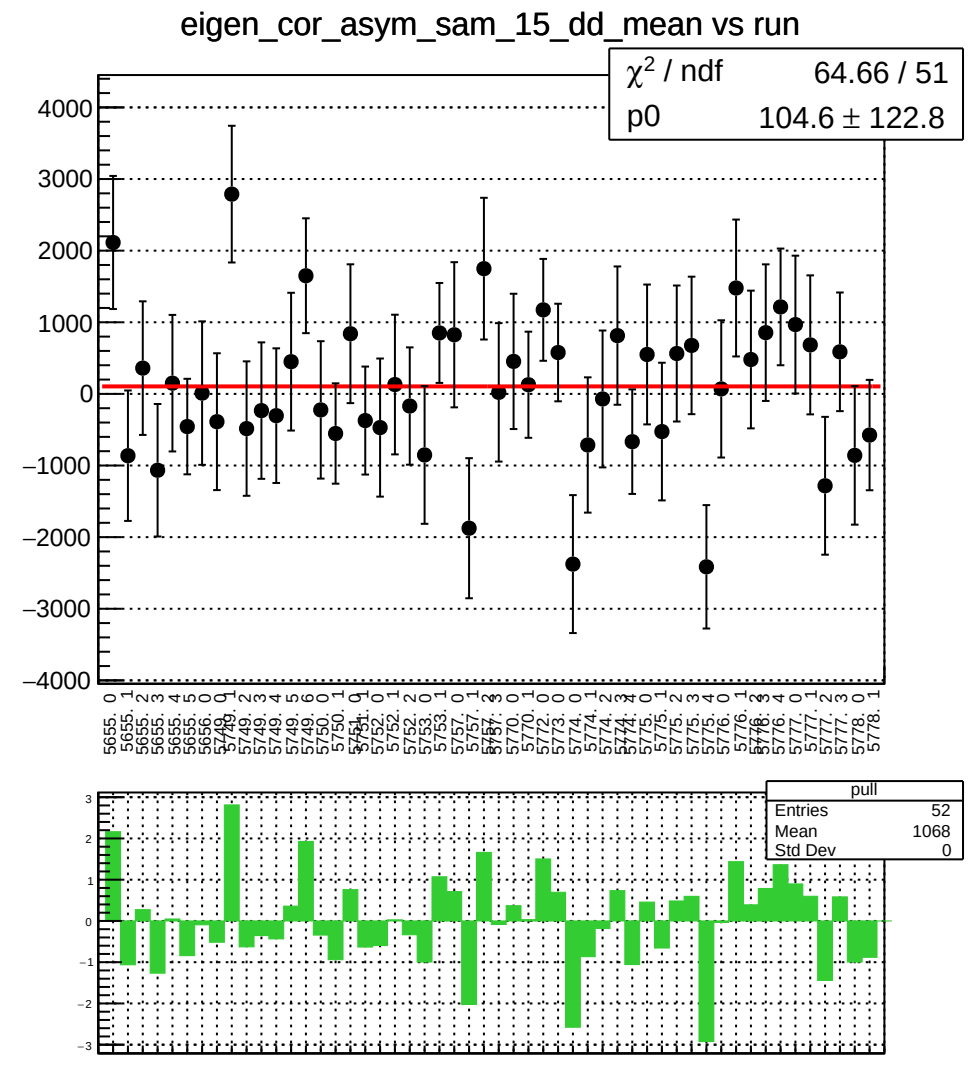
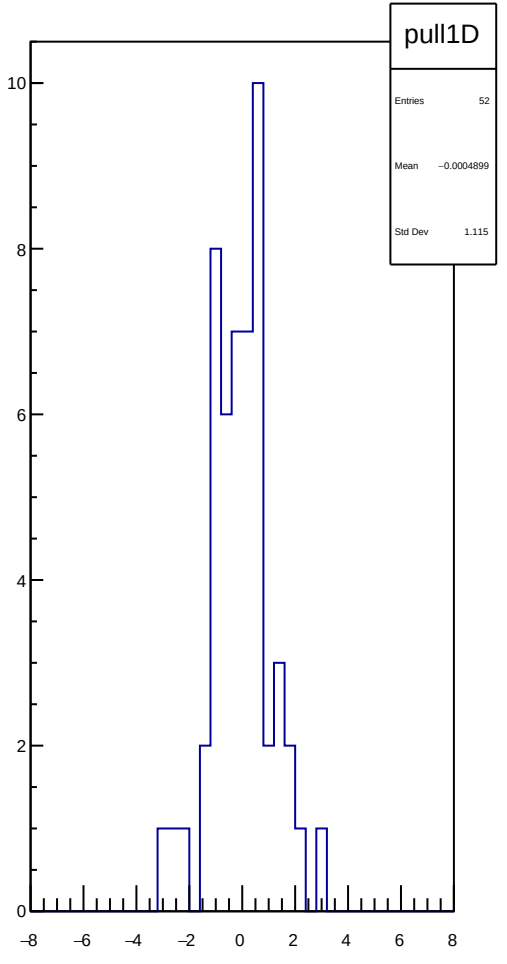
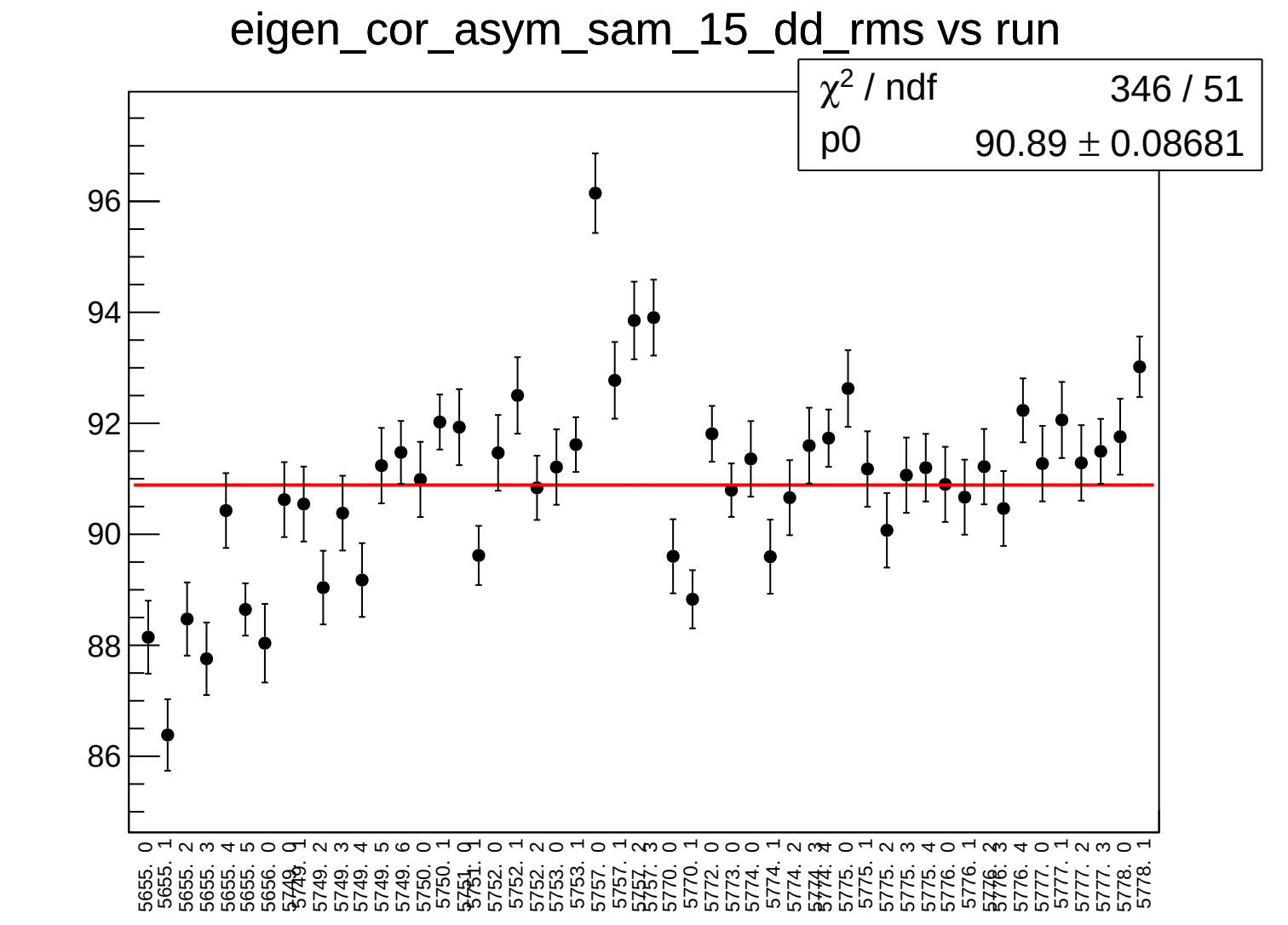
5778. 0
5778. 1


eigen_cor_asym_sam_15_dd_mean vs run
χ² / ndf 64.66 / 51
p0 104.6 ± 122.8
pull
Entries 52
Mean 1068
Std Dev 0


pull1D
Entries 52
Mean −0.0004899
Std Dev 1.115


eigen_cor_asym_sam_15_dd_rms vs run
χ² / ndf 346 / 51
p0 90.89 ± 0.08681
96
94
92
90
88
86
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
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5750. 0
5750. 1
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5752. 0
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5753. 0
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5757. 3
5770. 0
5770. 1
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5774. 0
5774. 1
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5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
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5775. 4
5776. 0
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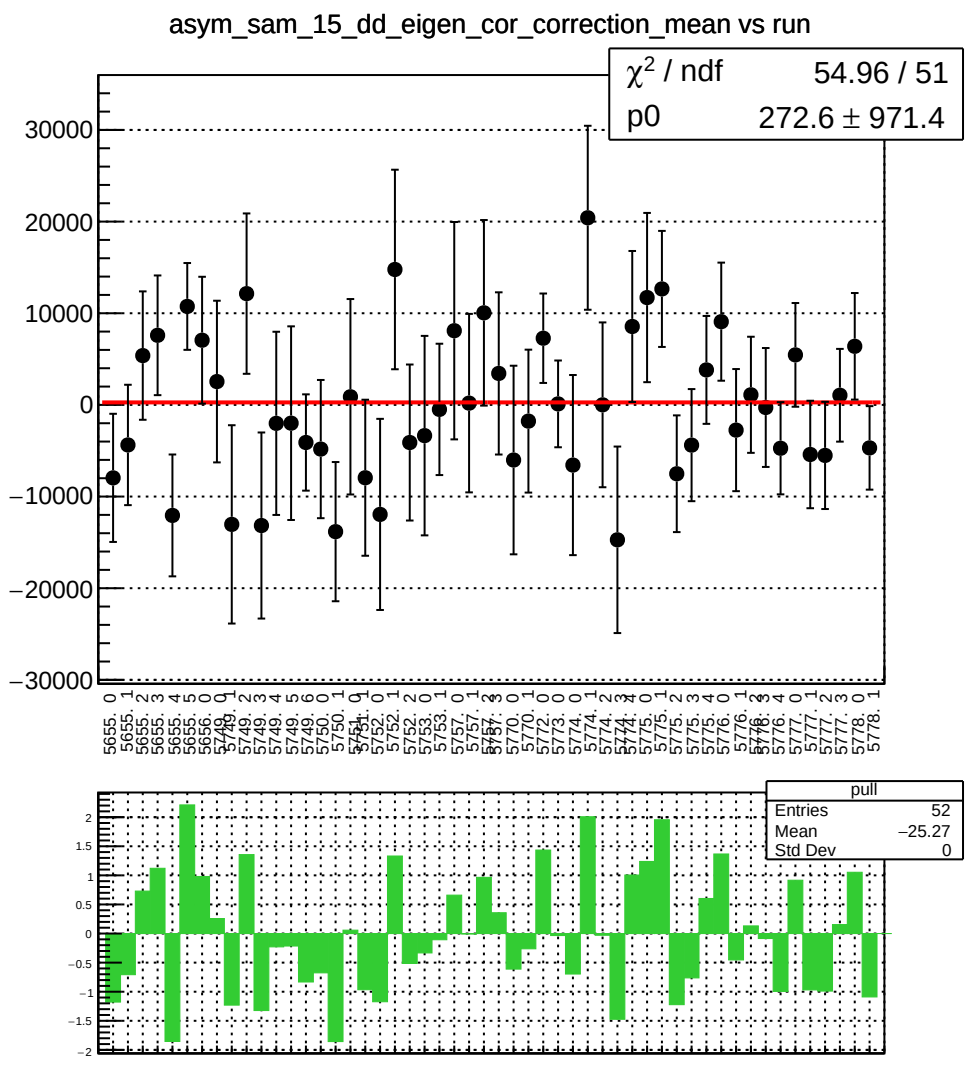
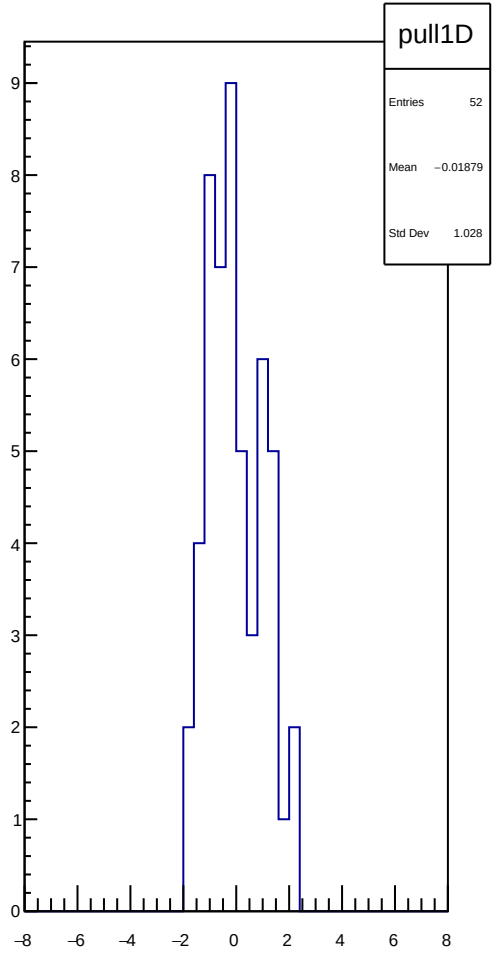
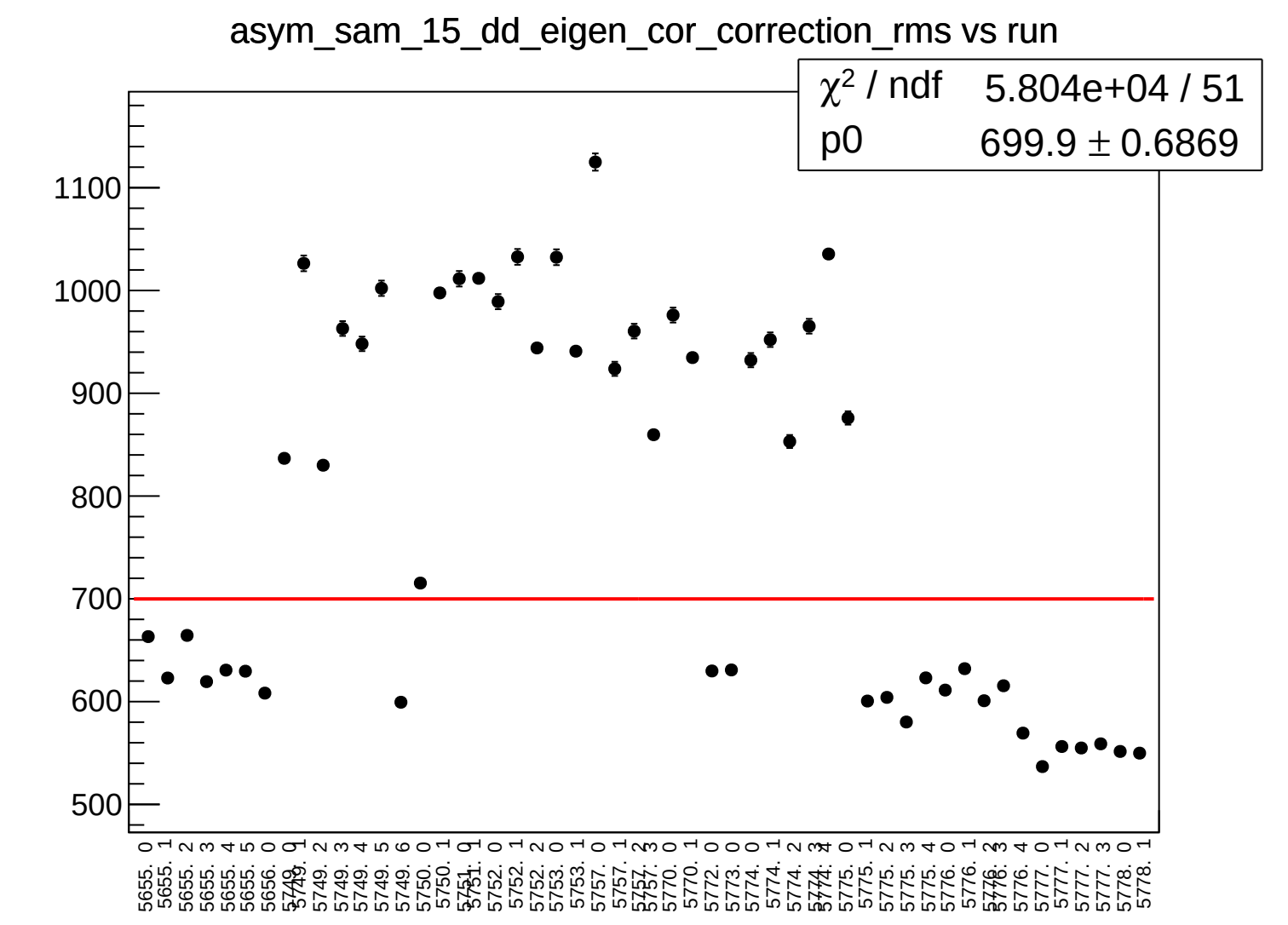

asym_sam_15_dd_eigen_cor_correction_mean vs run
χ² / ndf 54.96 / 51
p0 272.6 ± 971.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean −25.27
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean −0.01879
Std Dev 1.028
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_dd_eigen_cor_correction_rms vs run
χ² / ndf 5.804e+04 / 51
p0 699.9 ± 0.6869
1100
1000
900
800
700
600
500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
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5656. 0
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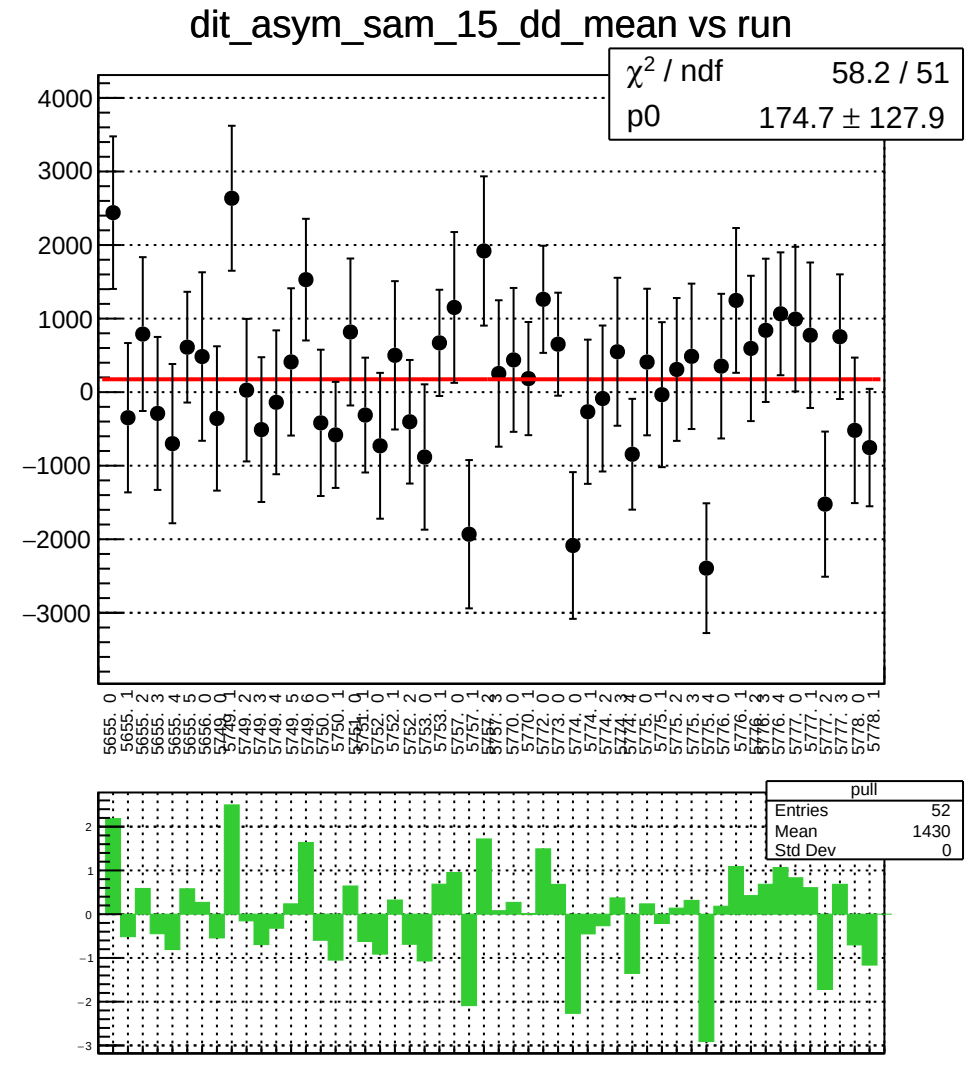
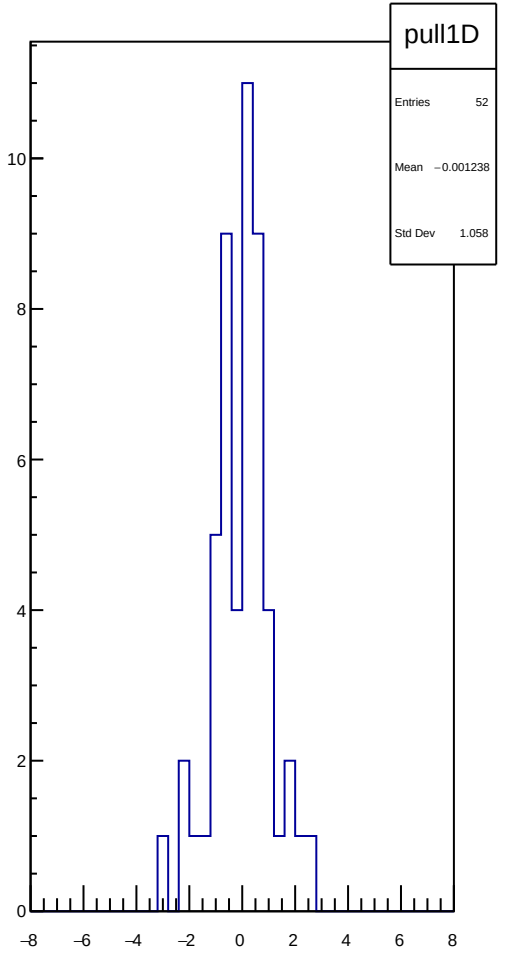
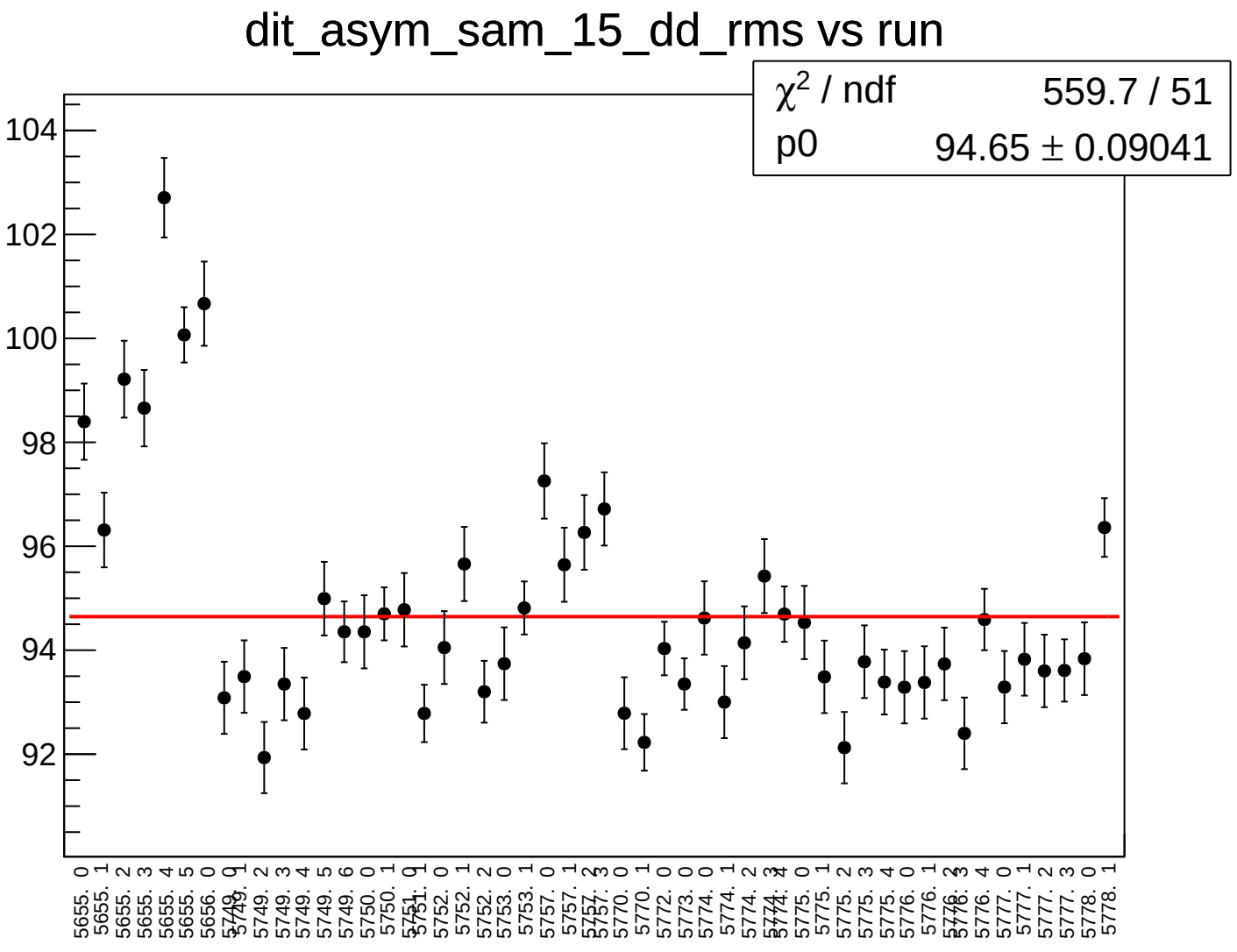
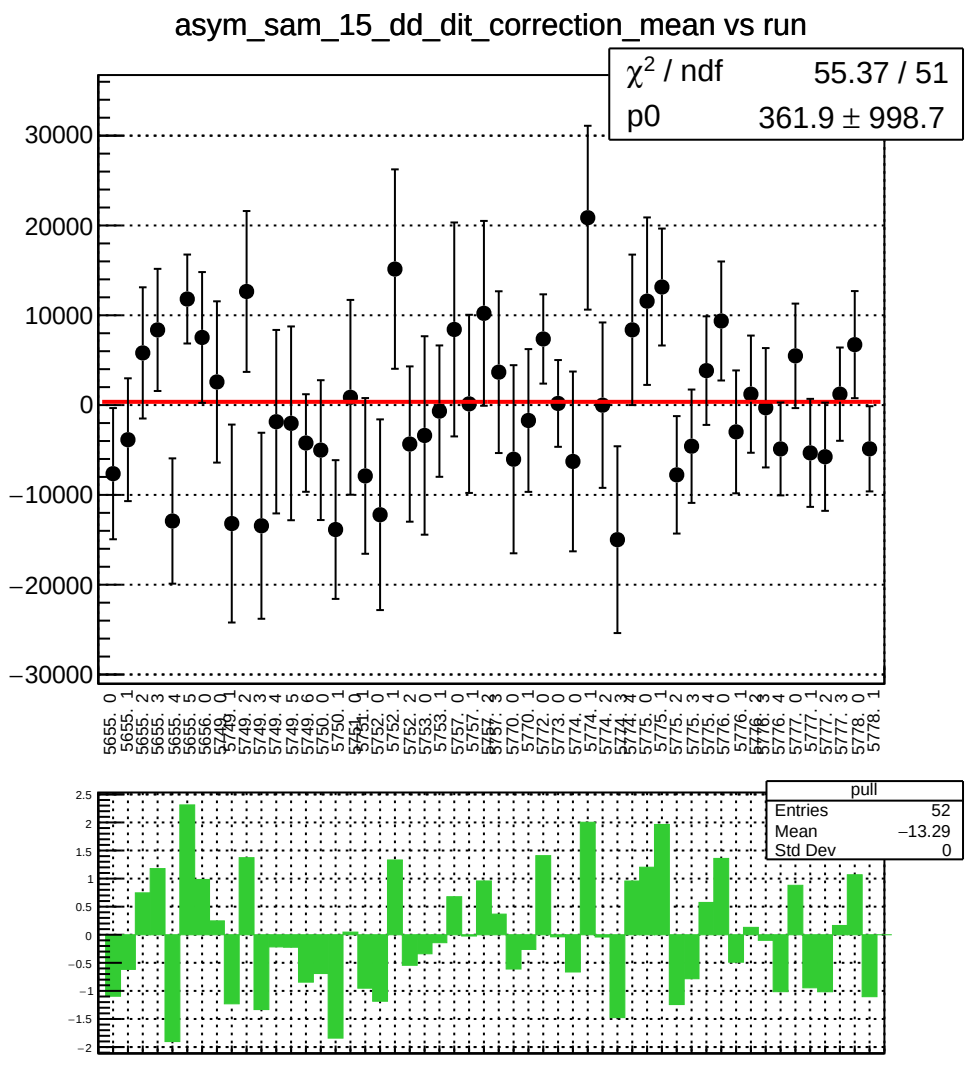
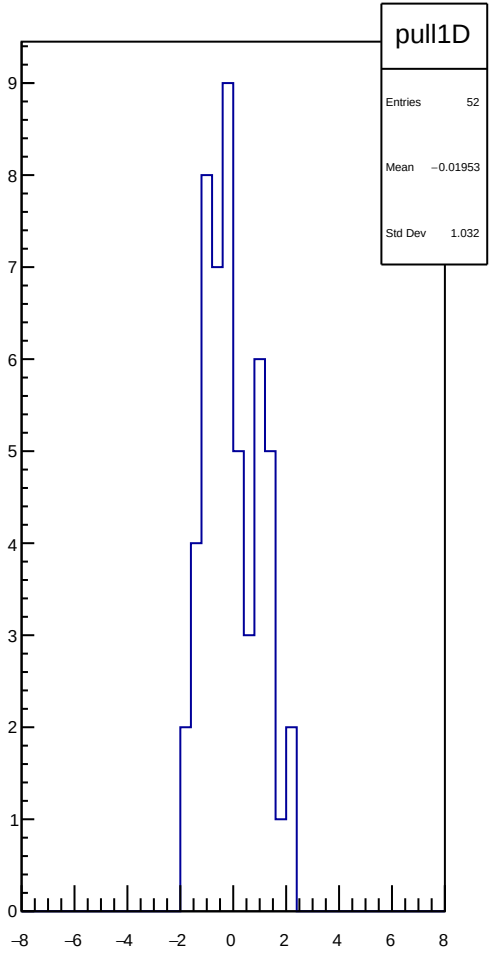
5778. 0
5778. 1

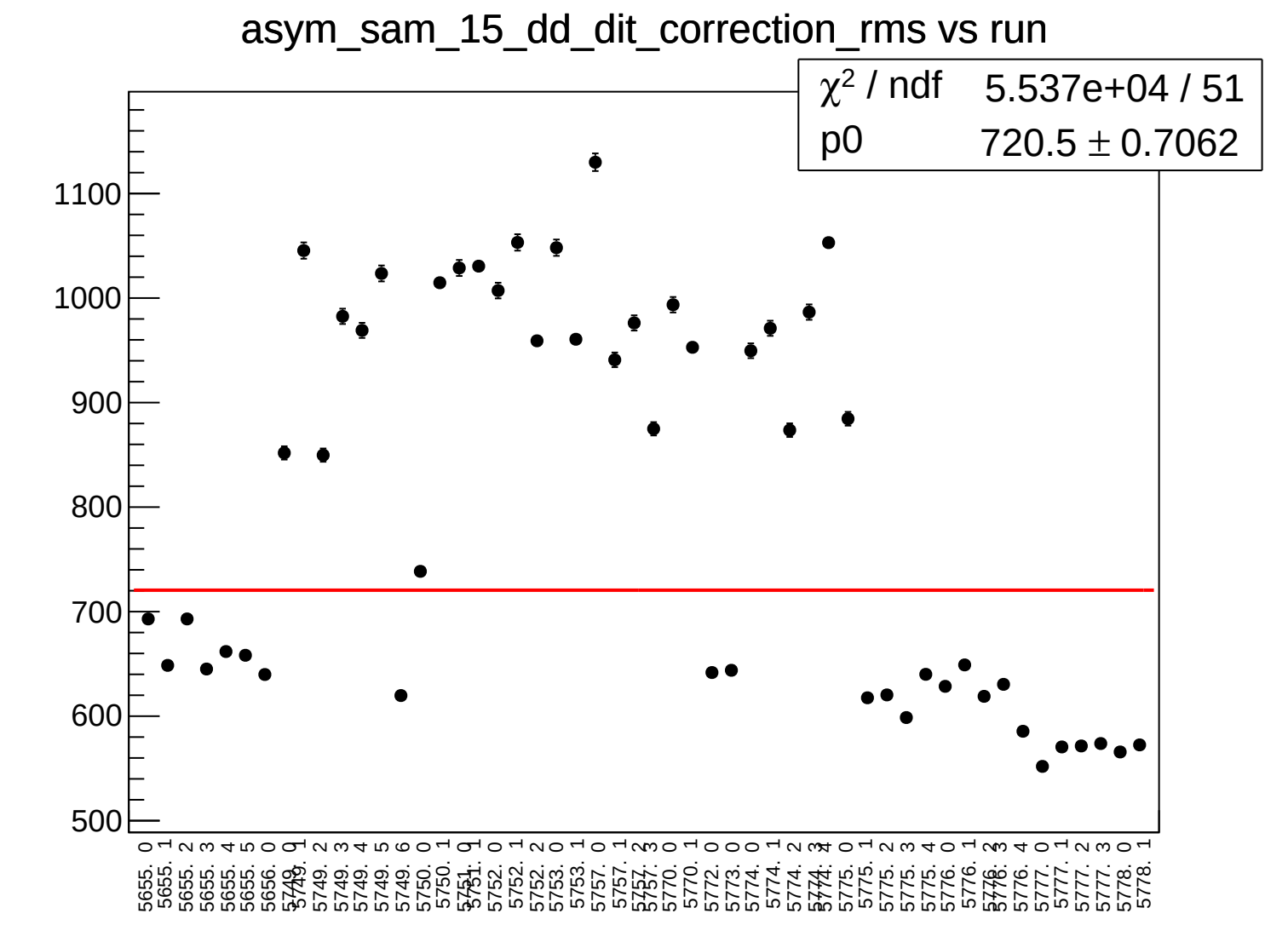

dit_asym_sam_15_dd_mean vs run
χ² / ndf 58.2 / 51
p0 174.7 ± 127.9
pull
Entries 52
Mean 1430
Std Dev 0

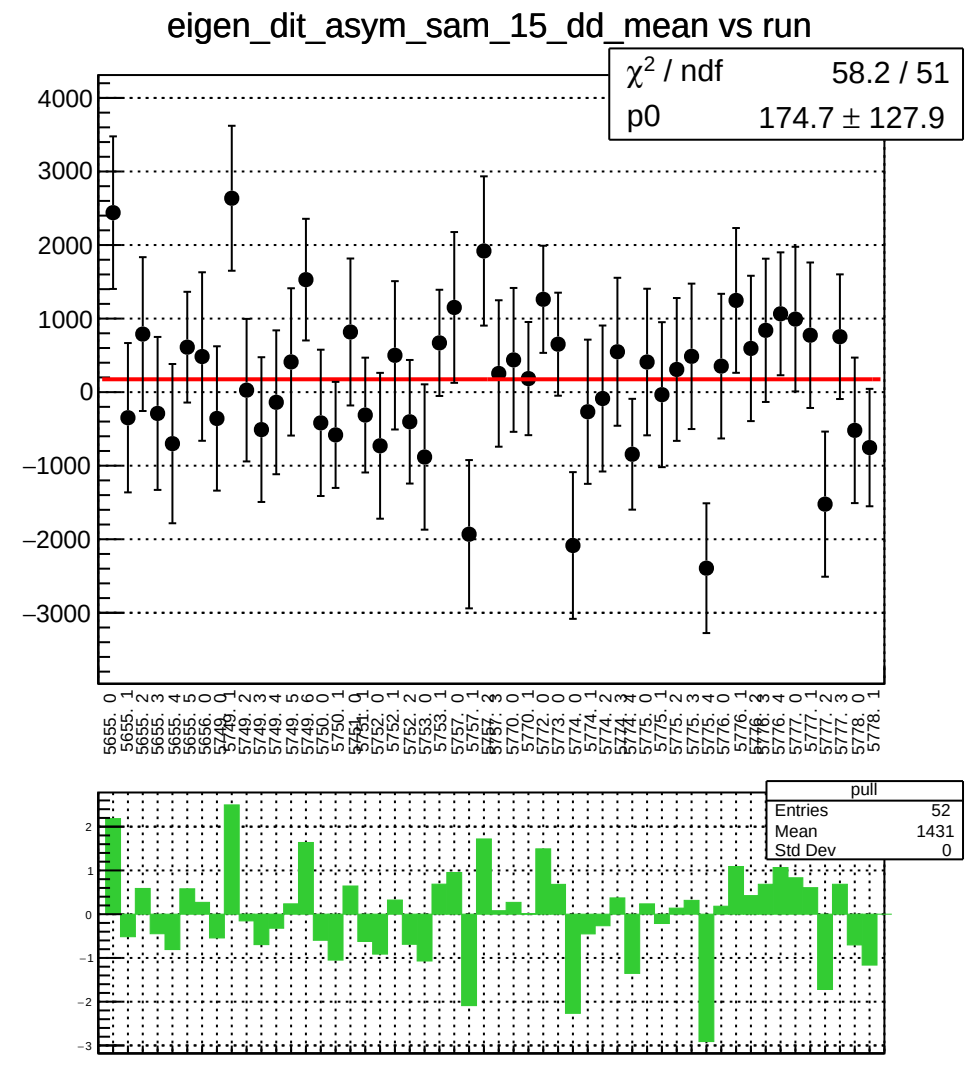

pull1D
Entries 52
Mean −0.001238
Std Dev 1.058

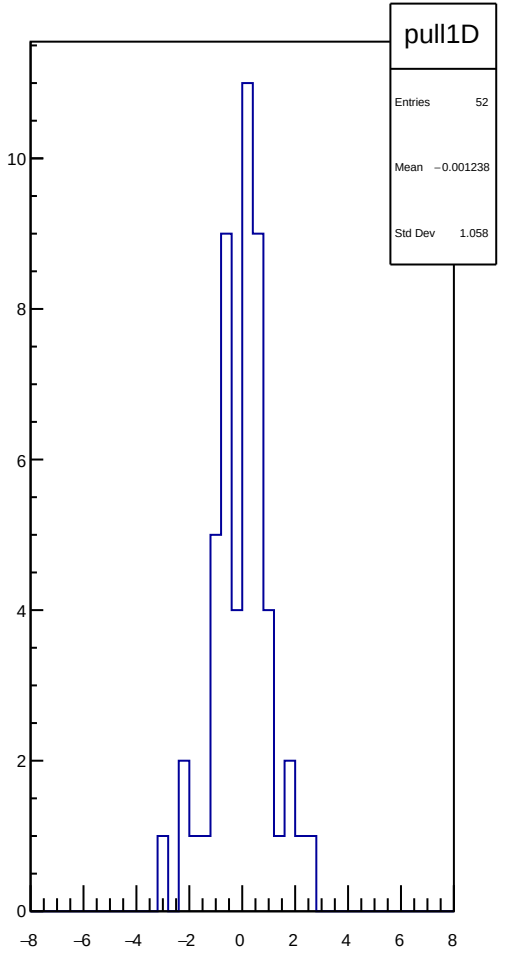

dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 559.7 / 51
p0 94.65 ± 0.09041
104
102
100
98
96
94
92
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

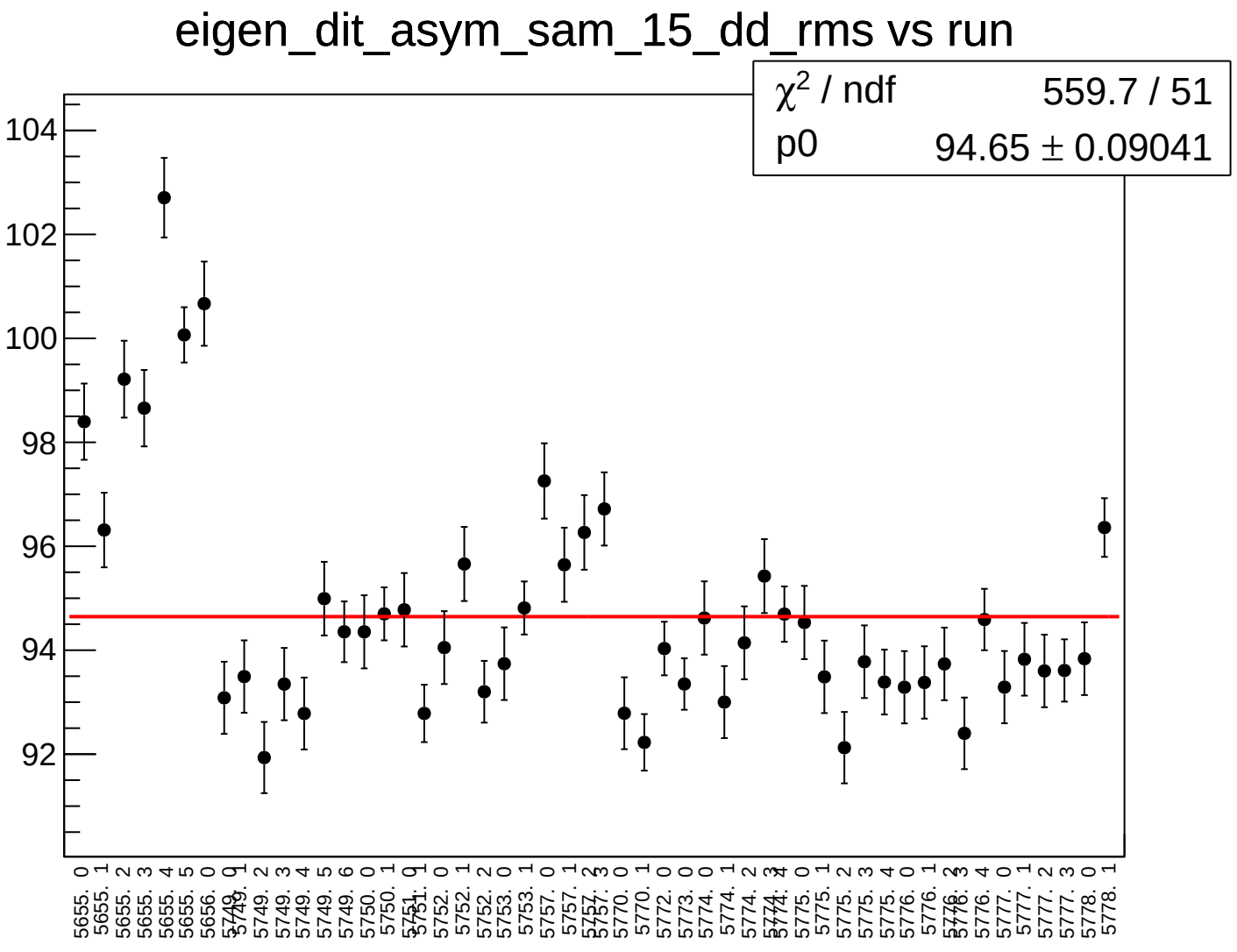

asym_sam_15_dd_dit_correction_mean vs run
χ² / ndf 55.37 / 51
p0 361.9 ± 998.7
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean −13.29
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

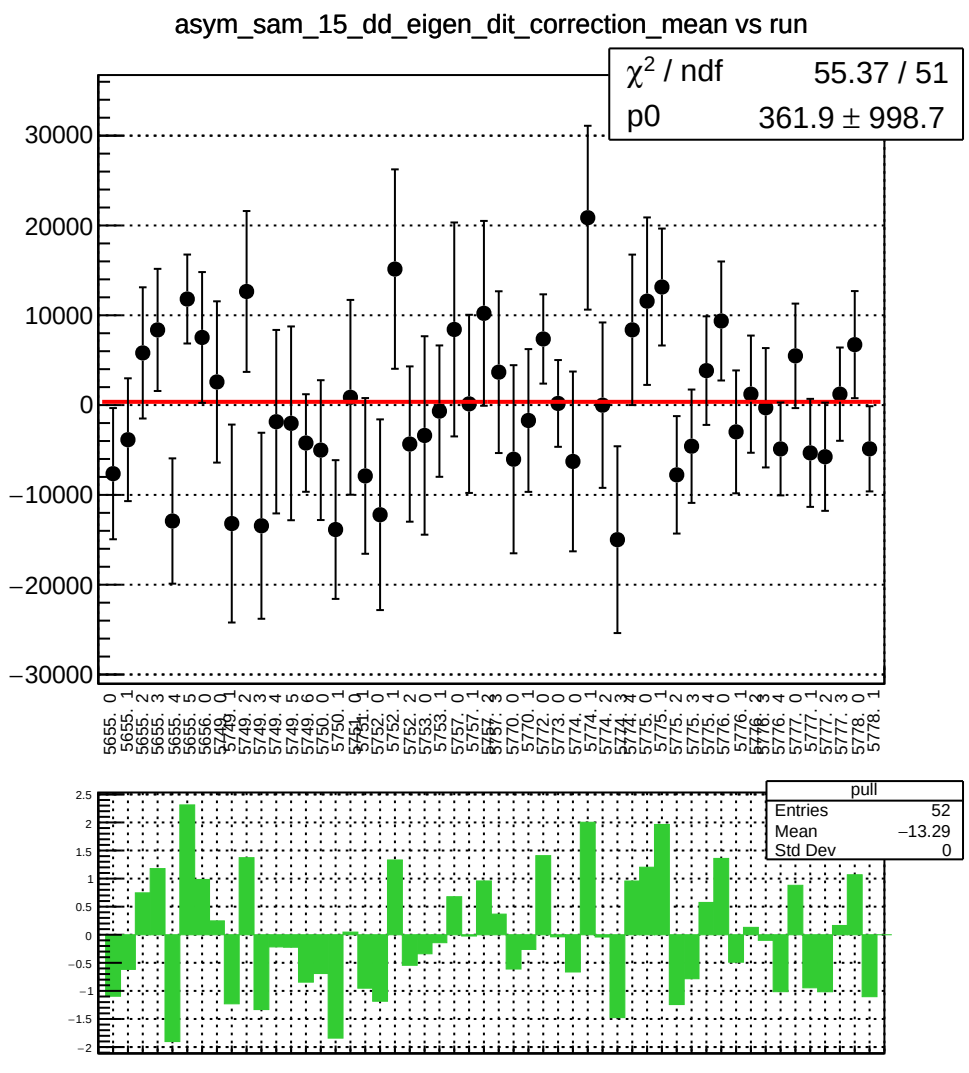

pull1D
Entries 52
Mean −0.01953
Std Dev 1.032
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

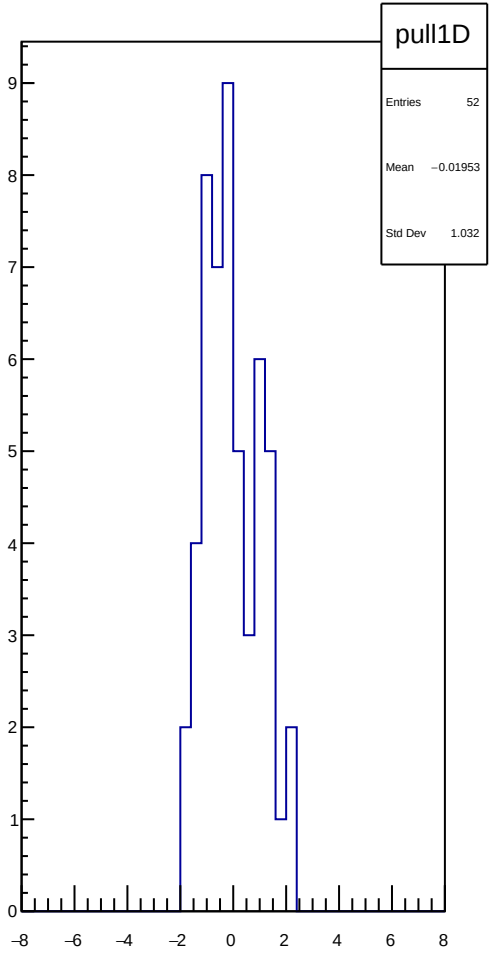

asym_sam_15_dd_dit_correction_rms vs run
χ² / ndf 5.537e+04 / 51
p0 720.5 ± 0.7062
1100
1000
900
800
700
600
500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

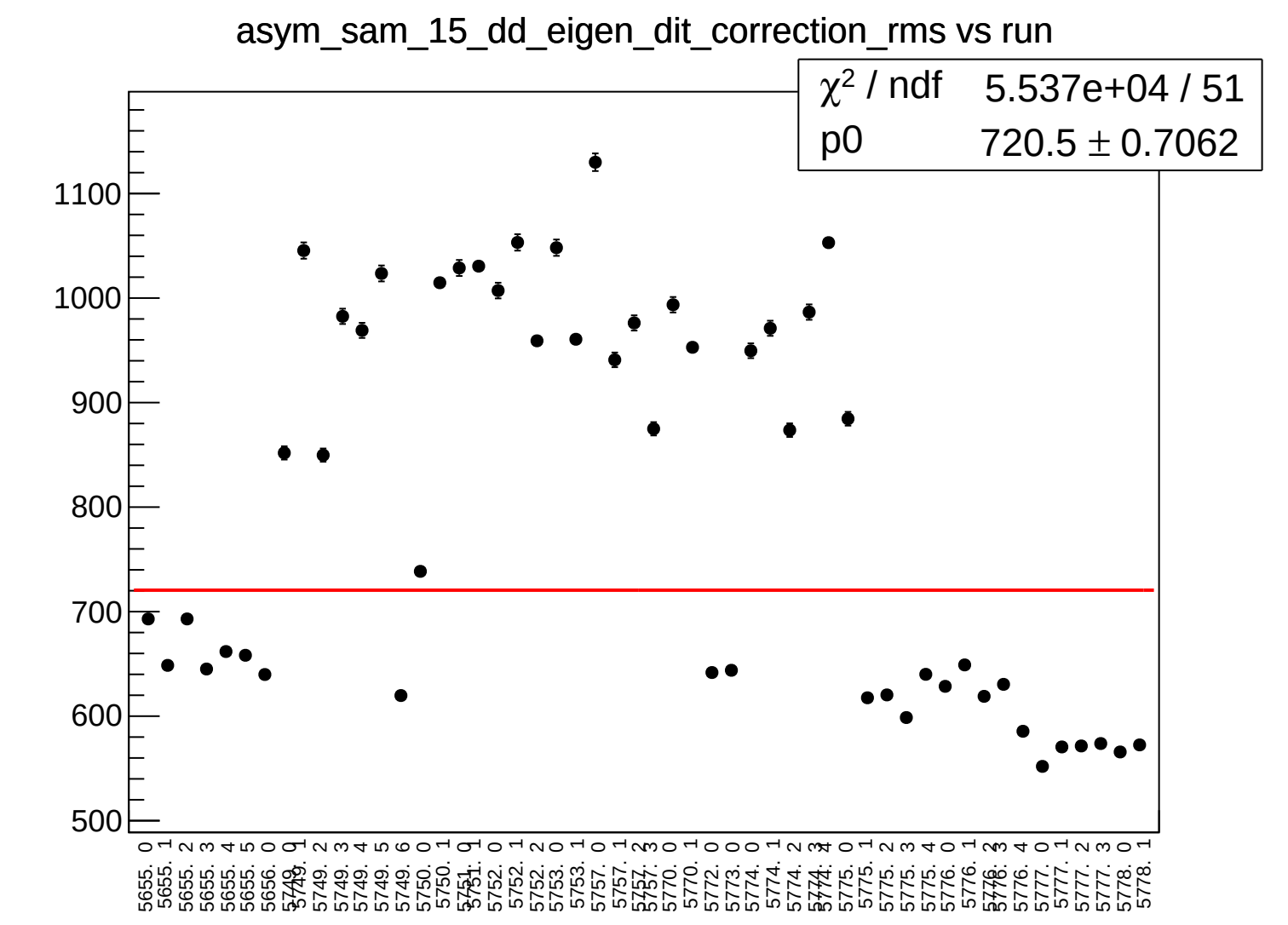

eigen_dit_asym_sam_15_dd_mean vs run
χ² / ndf 58.2 / 51
p0 174.7 ± 127.9
pull
Entries 52
Mean 1431
Std Dev 0

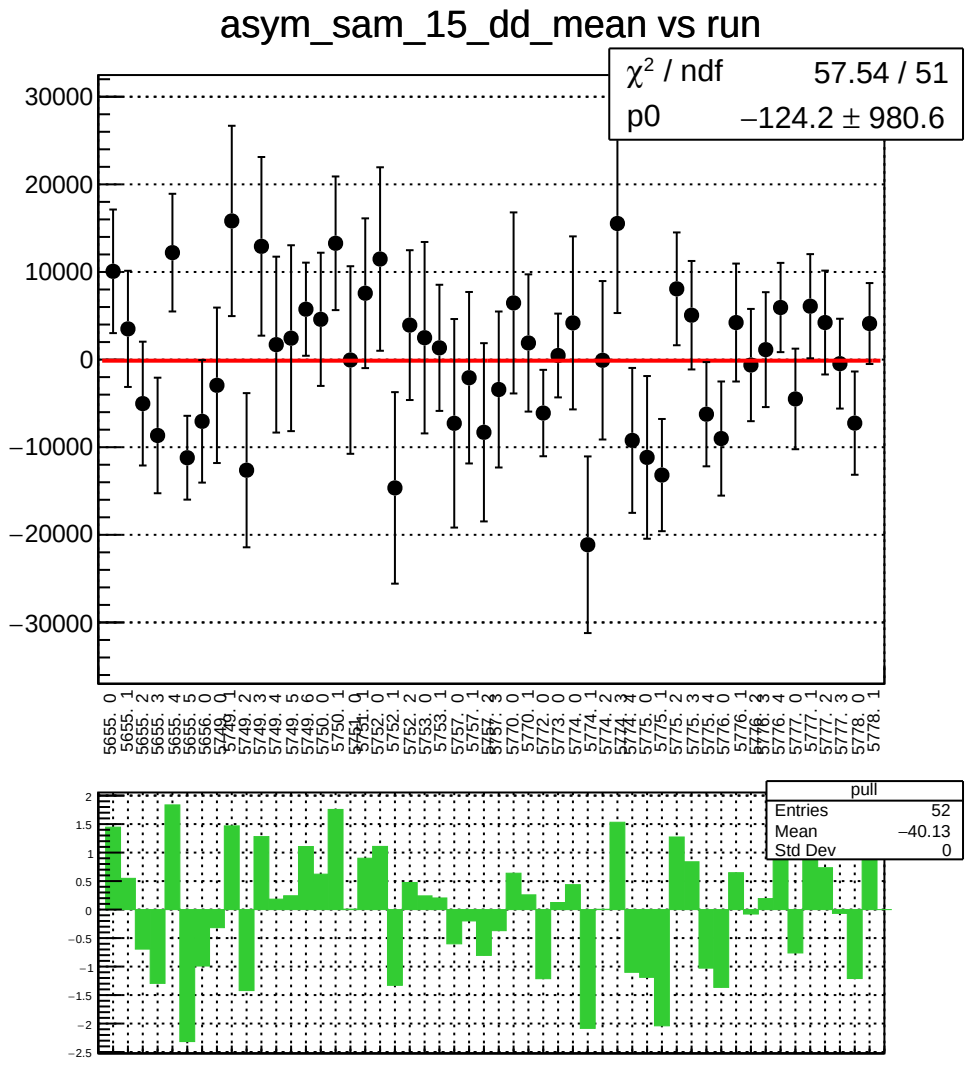

pull1D
Entries 52
Mean −0.001238
Std Dev 1.058

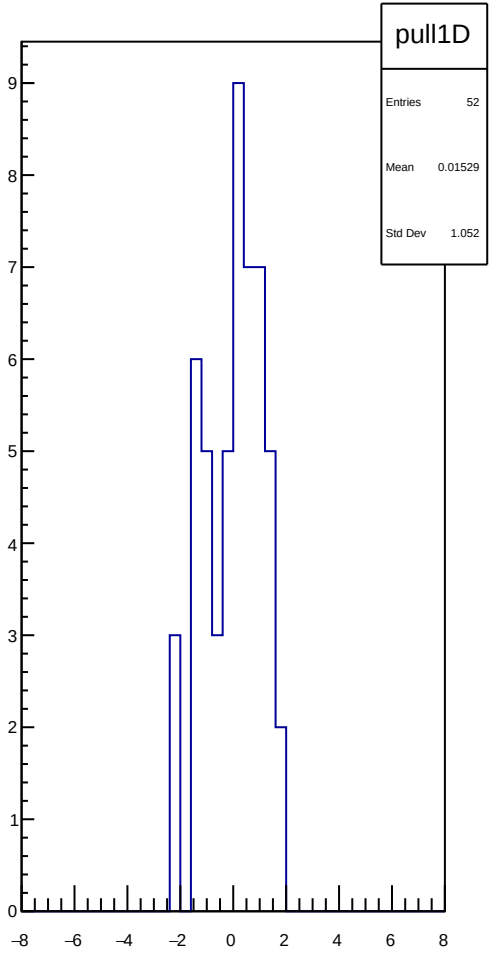

eigen_dit_asym_sam_15_dd_rms vs run
χ² / ndf 559.7 / 51
p0 94.65 ± 0.09041
104
102
100
98
96
94
92
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

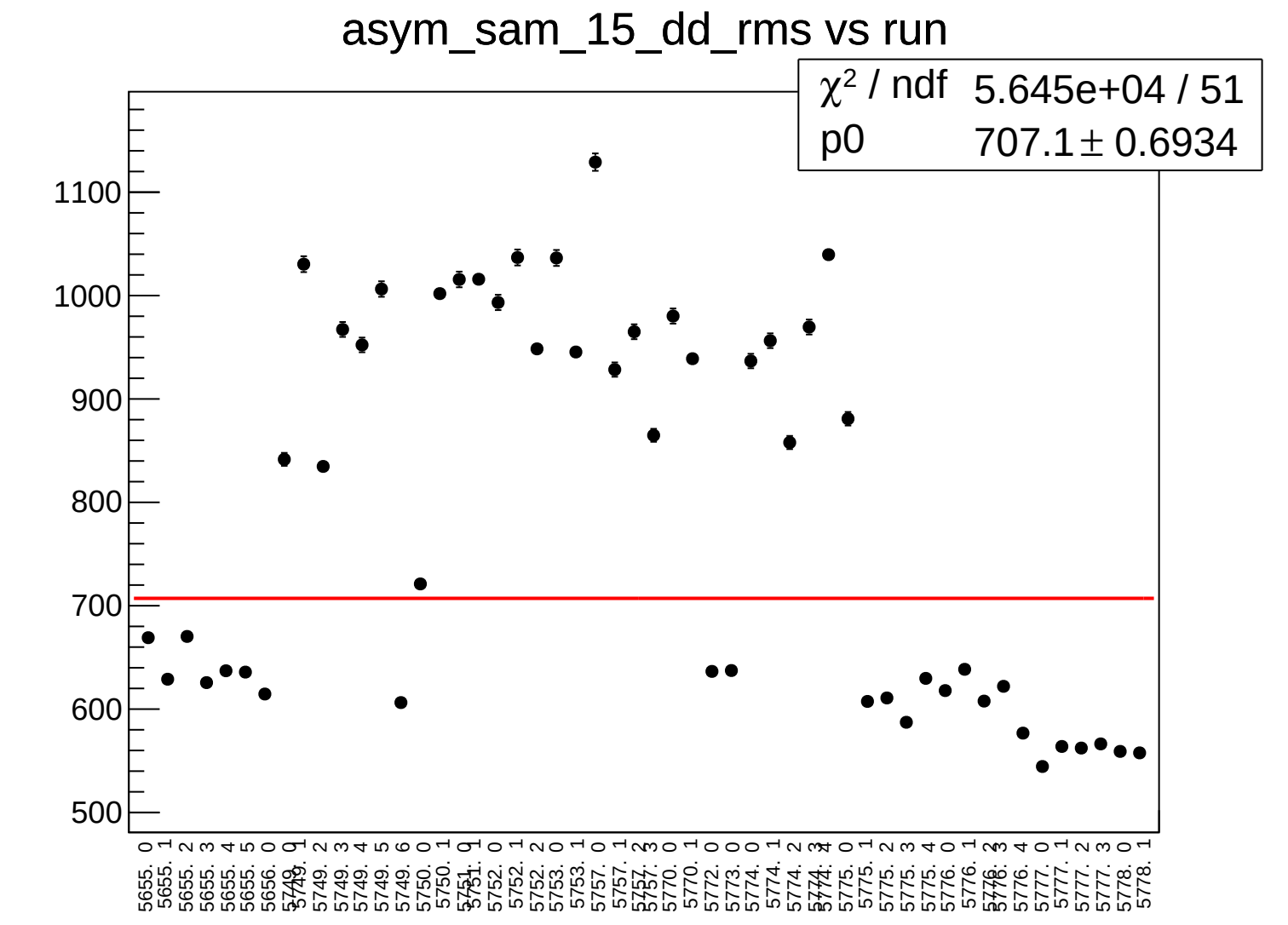

asym_sam_15_dd_eigen_dit_correction_mean vs run
χ² / ndf 55.37 / 51
p0 361.9 ± 998.7
pull
Entries 52
Mean −13.29
Std Dev 0

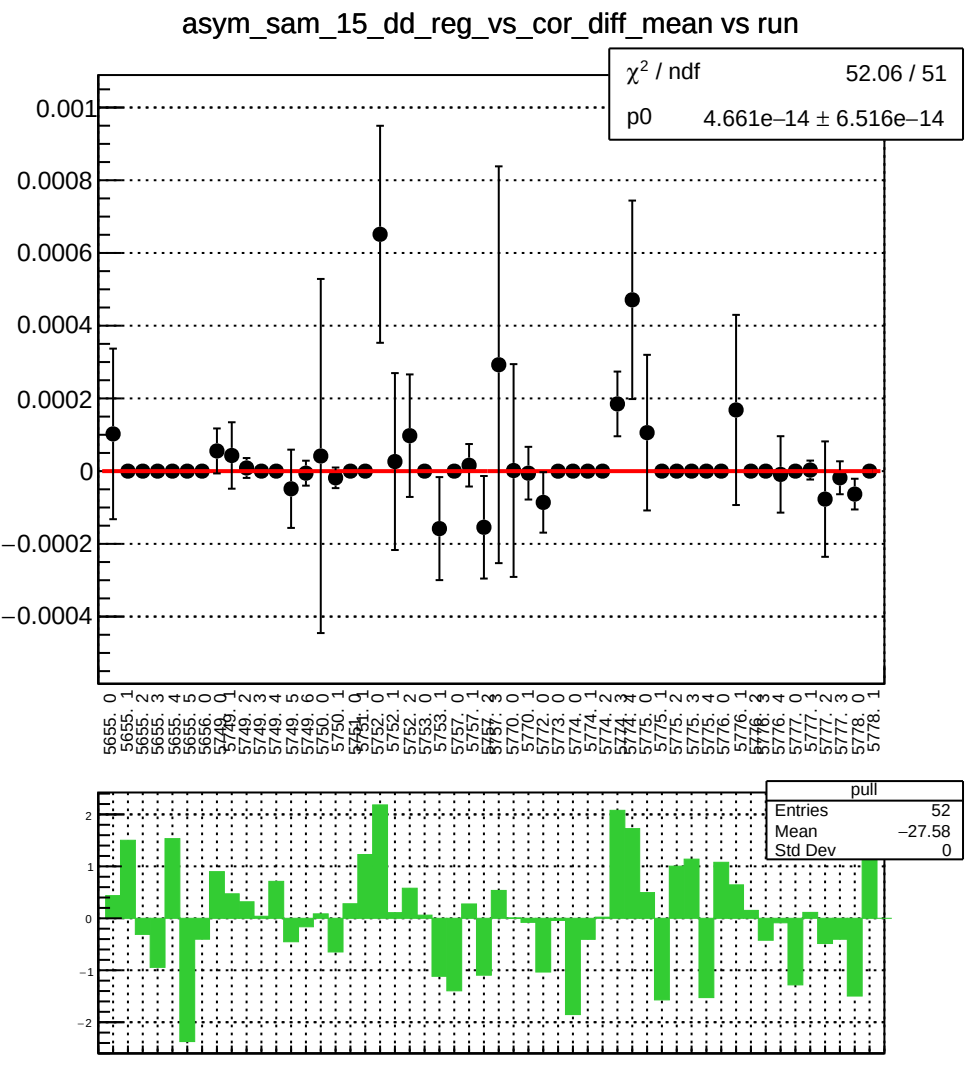

pull1D
Entries 52
Mean −0.01953
Std Dev 1.032

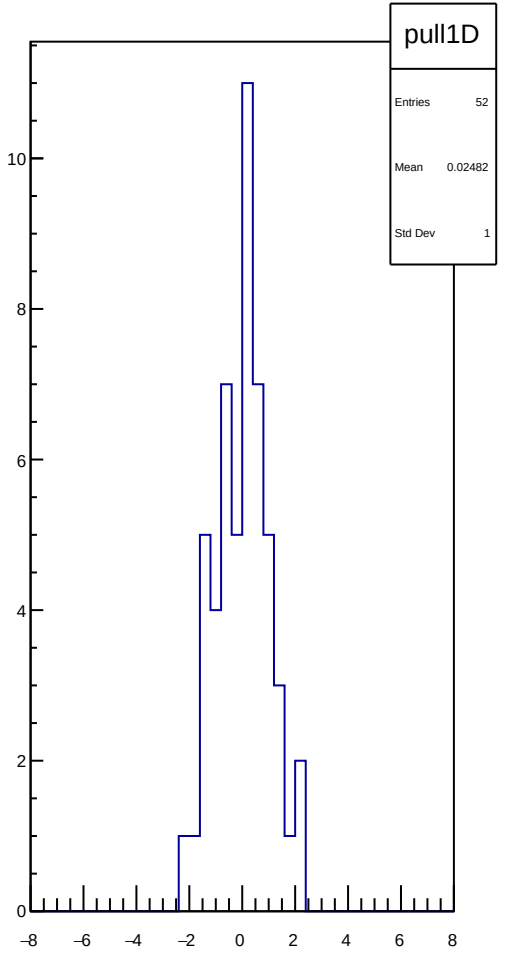

asym_sam_15_dd_eigen_dit_correction_rms vs run
χ² / ndf 5.537e+04 / 51
p0 720.5 ± 0.7062
1100
1000
900
800
700
600
500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

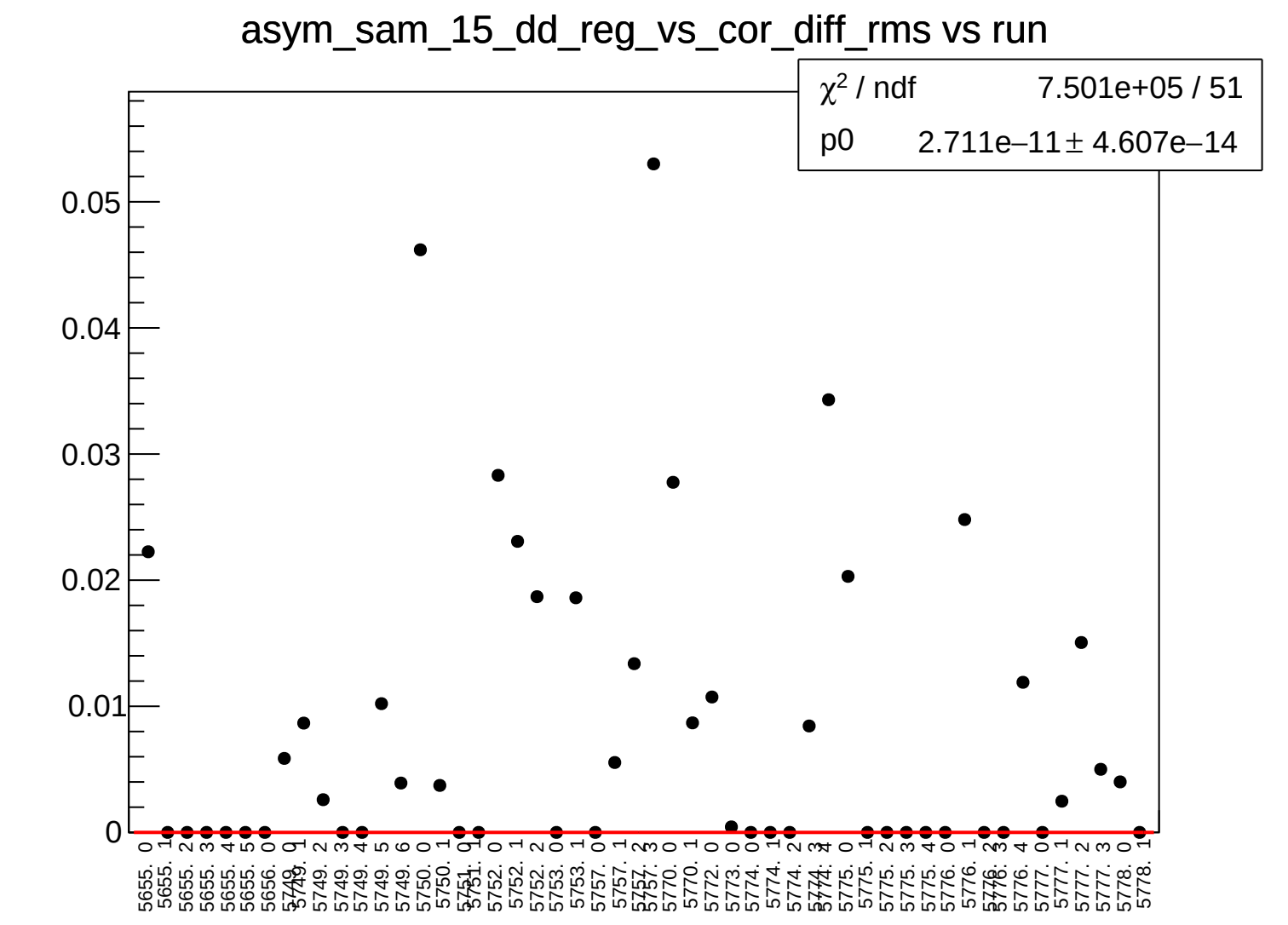

asym_sam_15_dd_mean vs run
χ² / ndf 57.54 / 51
p0 −124.2 ± 980.6
pull
Entries 52
Mean −40.13
Std Dev 0

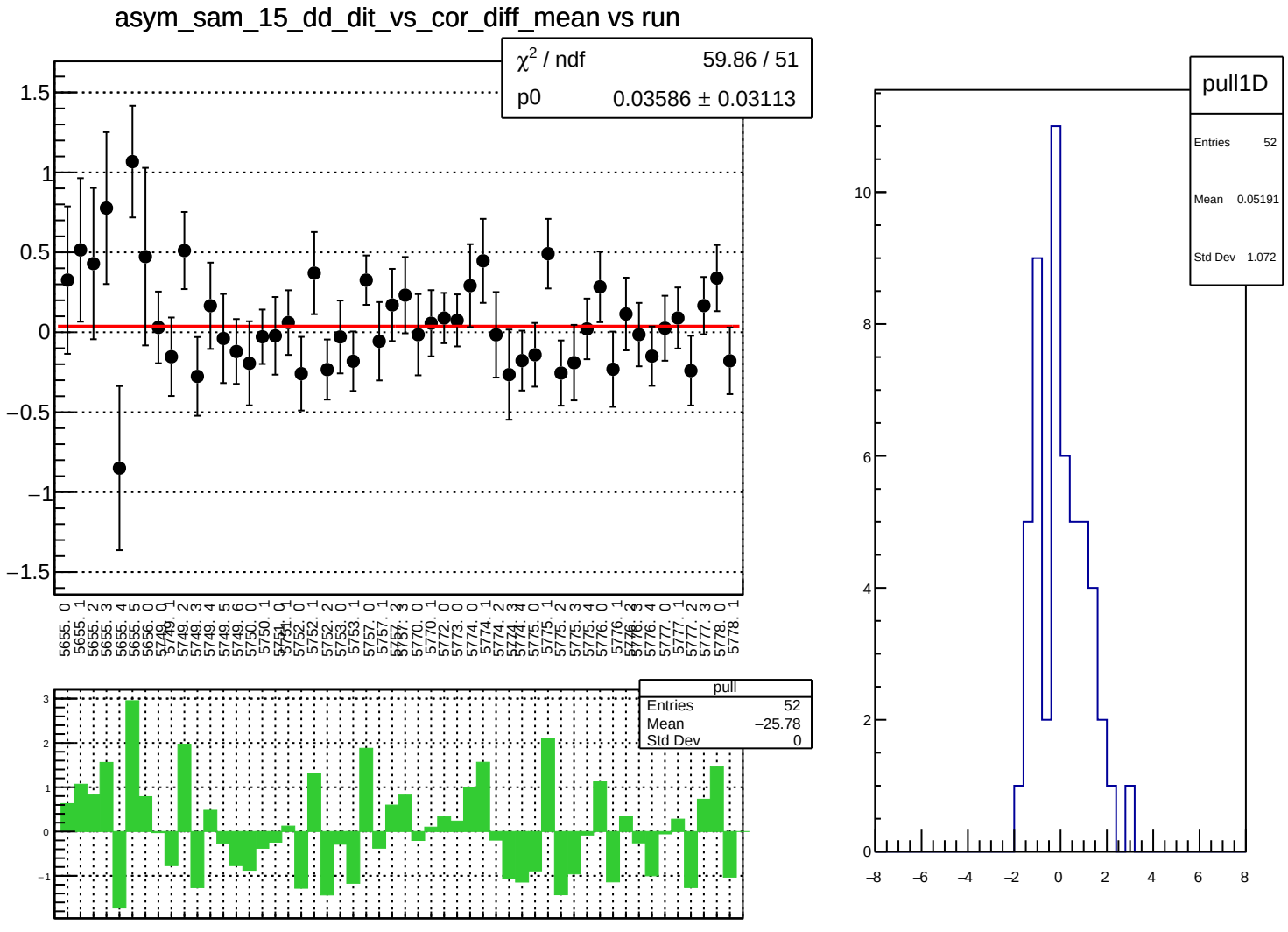

pull1D
Entries 52
Mean 0.01529
Std Dev 1.052

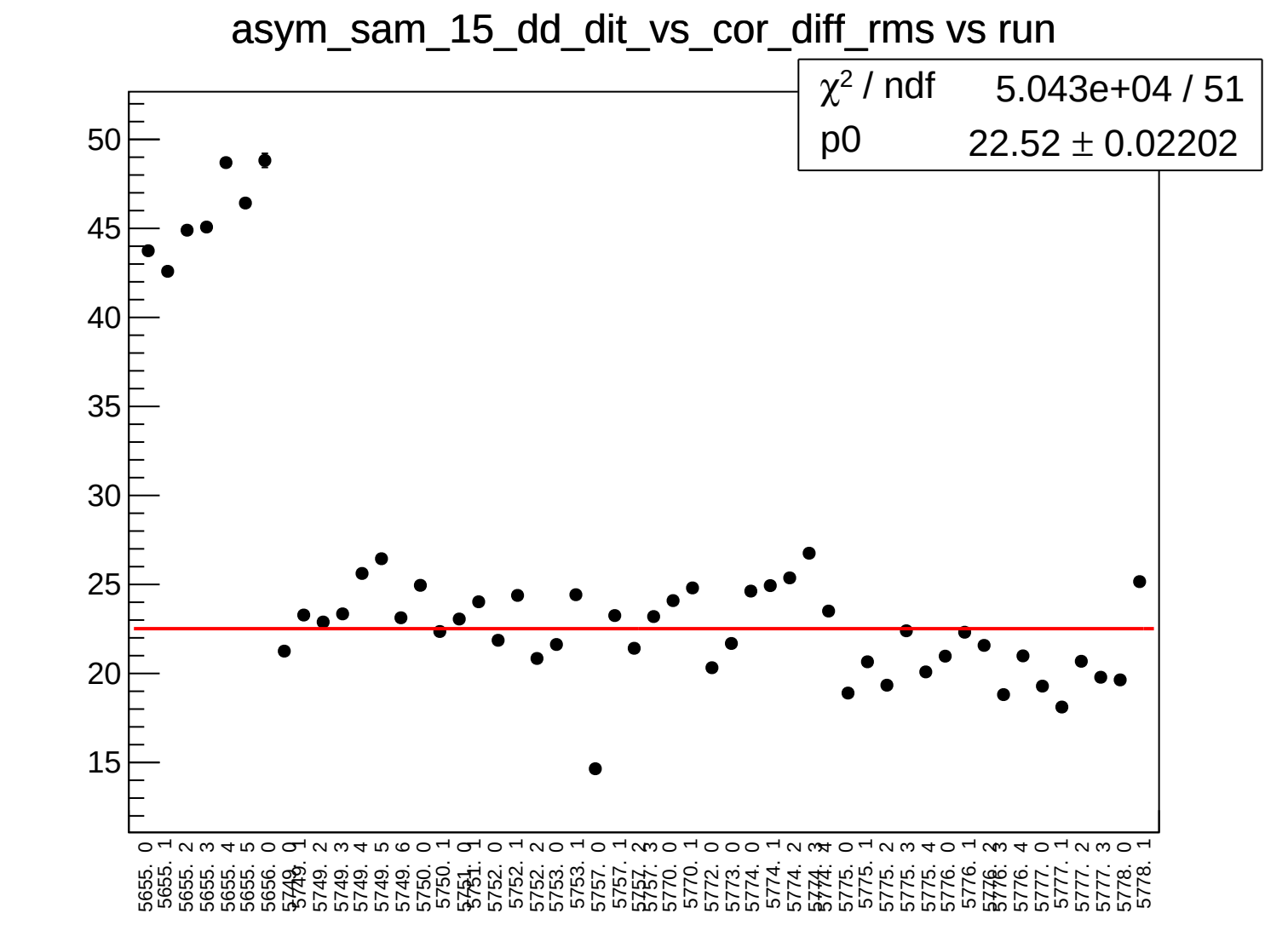

asym_sam_15_dd_rms vs run
χ² / ndf 5.645e+04 / 51
p0 707.1 ± 0.6934
1100
1000
900
800
700
600
500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

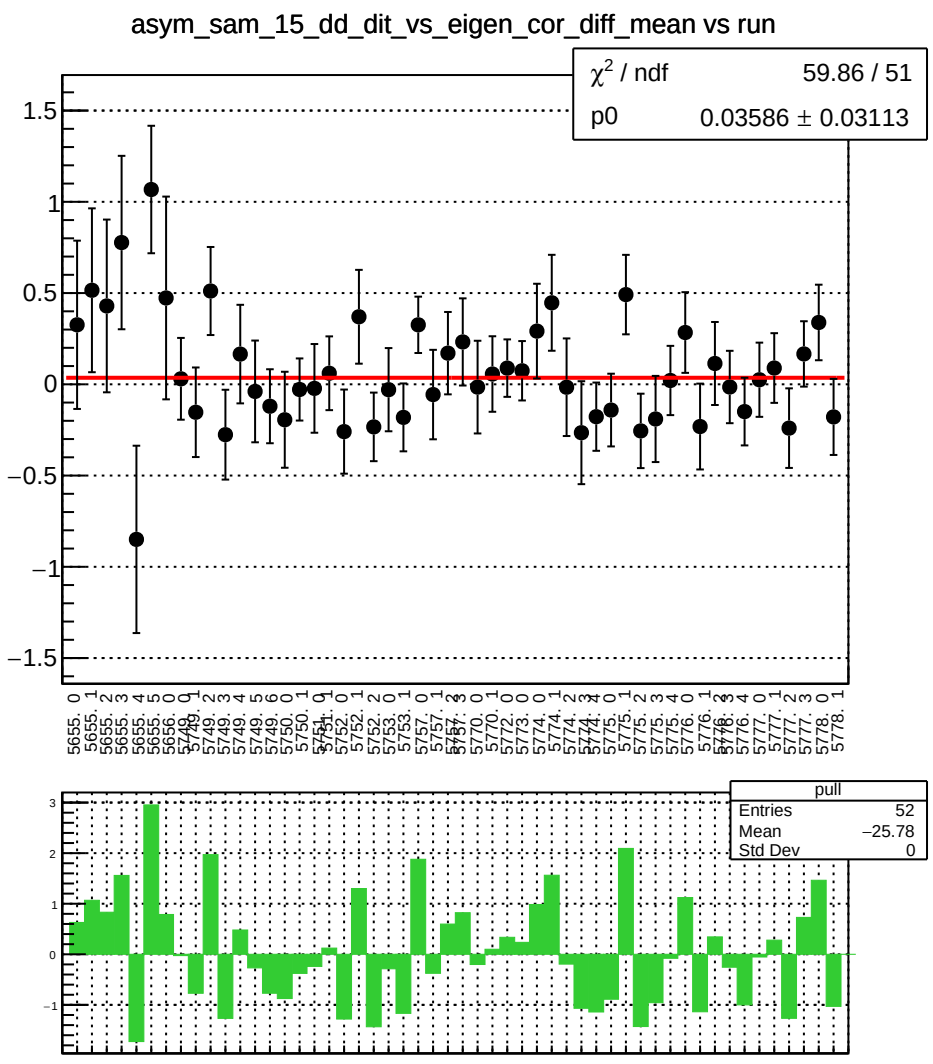

asym_sam_15_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 52.06 / 51
p0 4.661e−14 ± 6.516e−14
pull
Entries 52
Mean −27.58
Std Dev 0

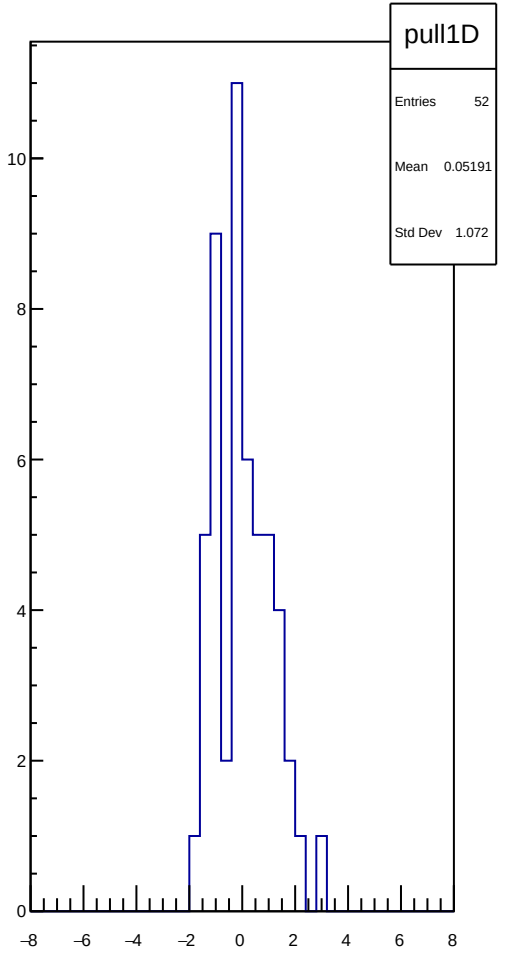

pull1D
Entries 52
Mean 0.02482
Std Dev 1

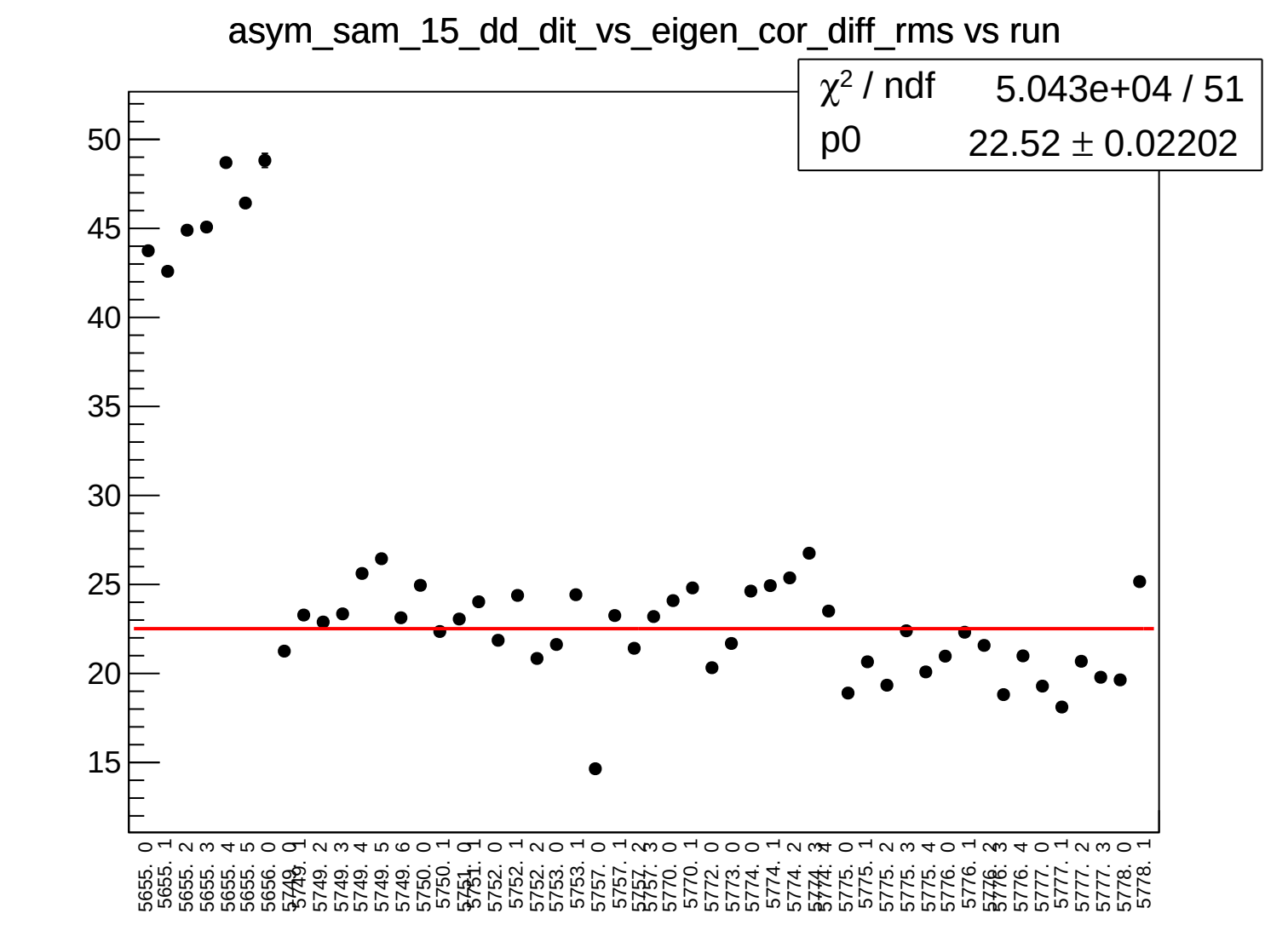

asym_sam_15_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.501e+05 / 51
p0 2.711e−11 ± 4.607e−14
0.05
0.04
0.03
0.02
0.01
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_15_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 59.86 / 51
p0 0.03586 ± 0.03113
pull
Entries 52
Mean −25.78
Std Dev 0
pull1D
Entries 52
Mean 0.05191
Std Dev 1.072


asym_sam_15_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 5.043e+04 / 51
p0 22.52 ± 0.02202
50
45
40
35
30
25
20
15
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 59.86 / 51
p0 0.03586 ± 0.03113
pull
Entries 52
Mean −25.78
Std Dev 0


pull1D
Entries 52
Mean 0.05191
Std Dev 1.072


asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.043e+04 / 51
p0 22.52 ± 0.02202
50
45
40
35
30
25
20
15
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
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5757. 2
5757. 3
5770. 0
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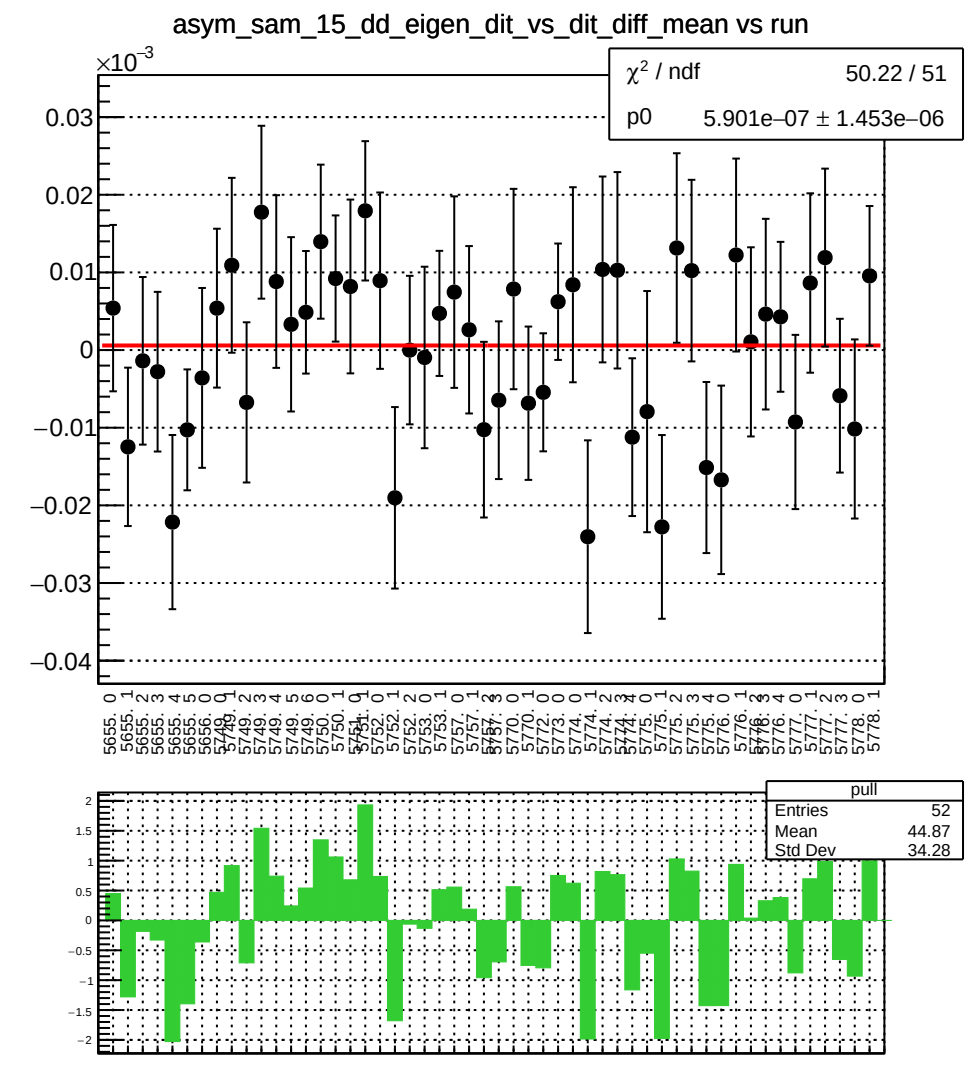
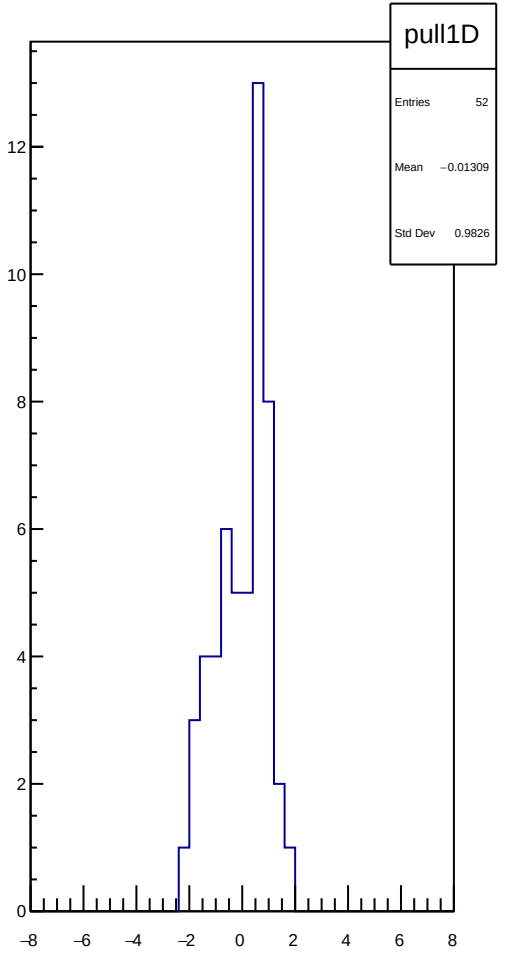
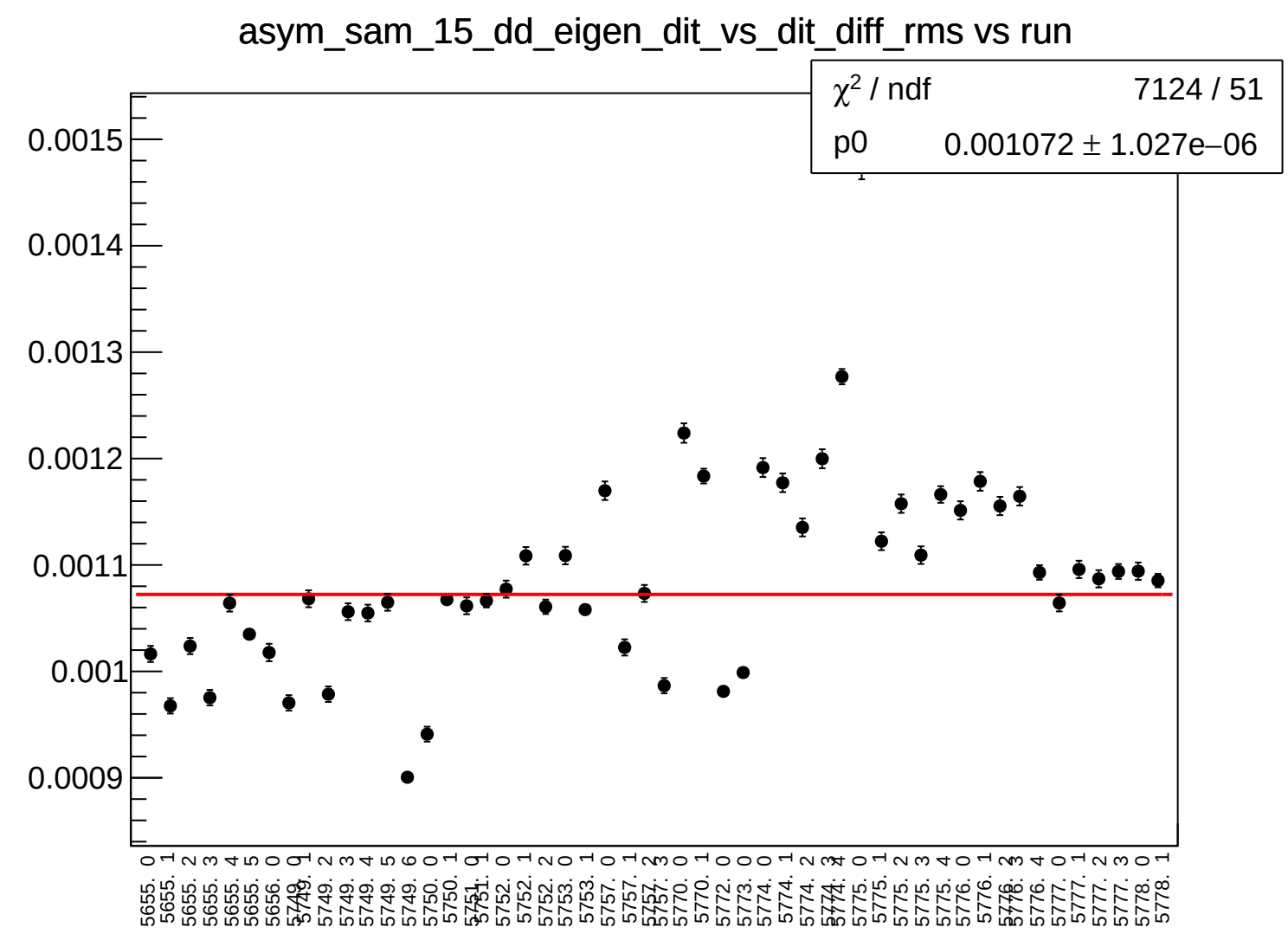
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 50.22 / 51
p0 5.901e−07 ± 1.453e−06
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
pull
Entries 52
Mean 44.87
Std Dev 34.28
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean −0.01309
Std Dev 0.9826
12
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 7124 / 51
p0 0.001072 ± 1.027e−06
0.0015
0.0014
0.0013
0.0012
0.0011
0.001
0.0009
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
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5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
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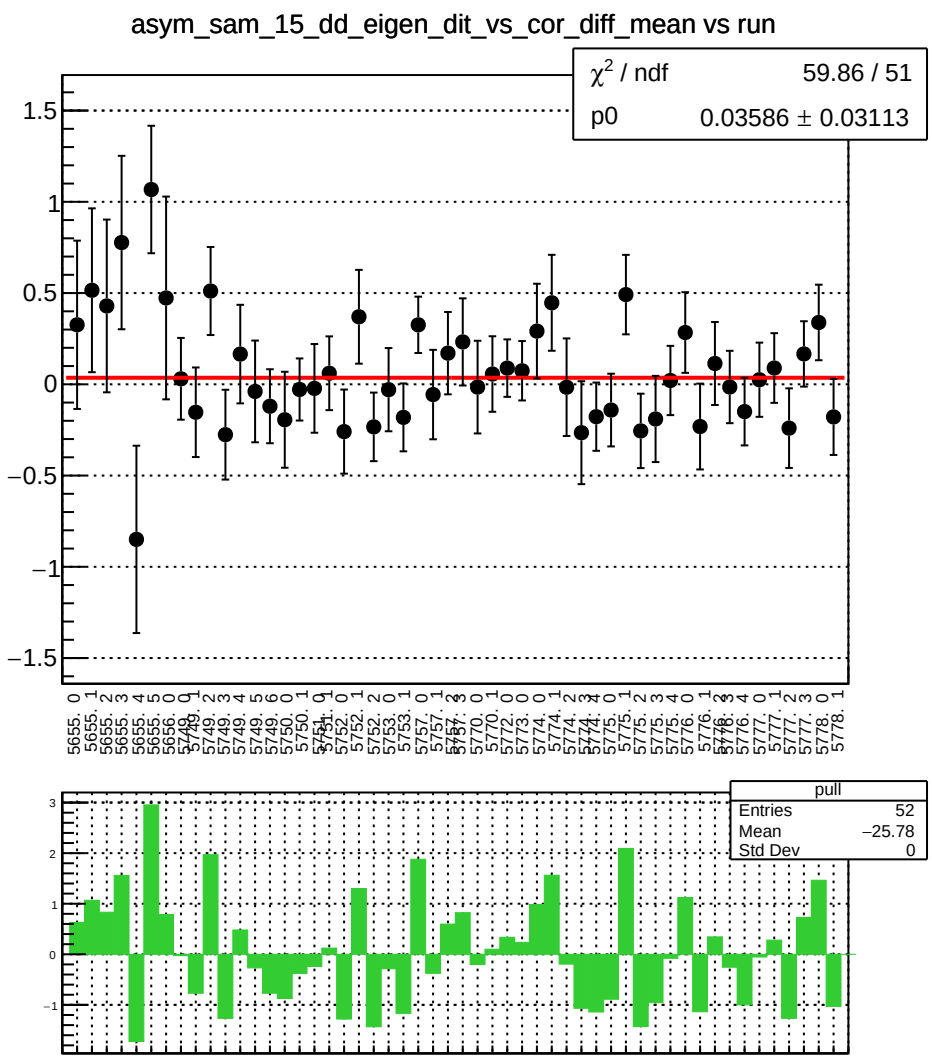
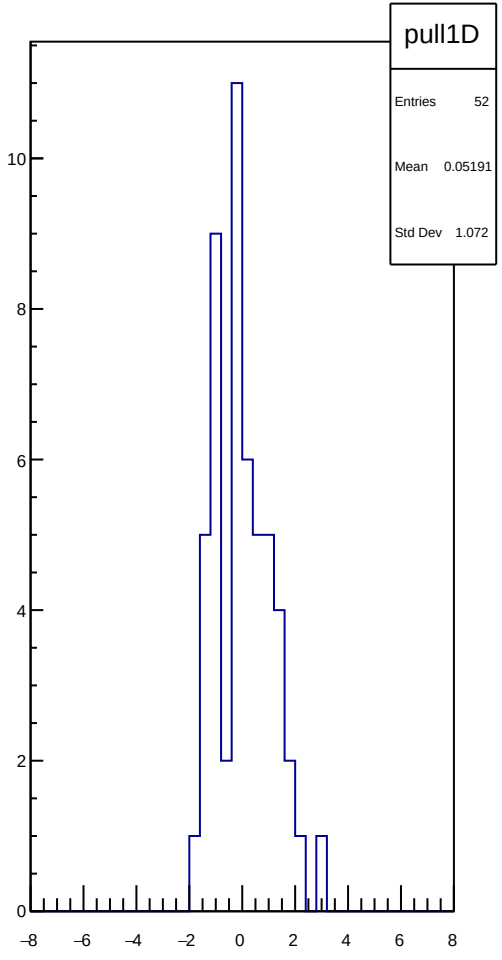
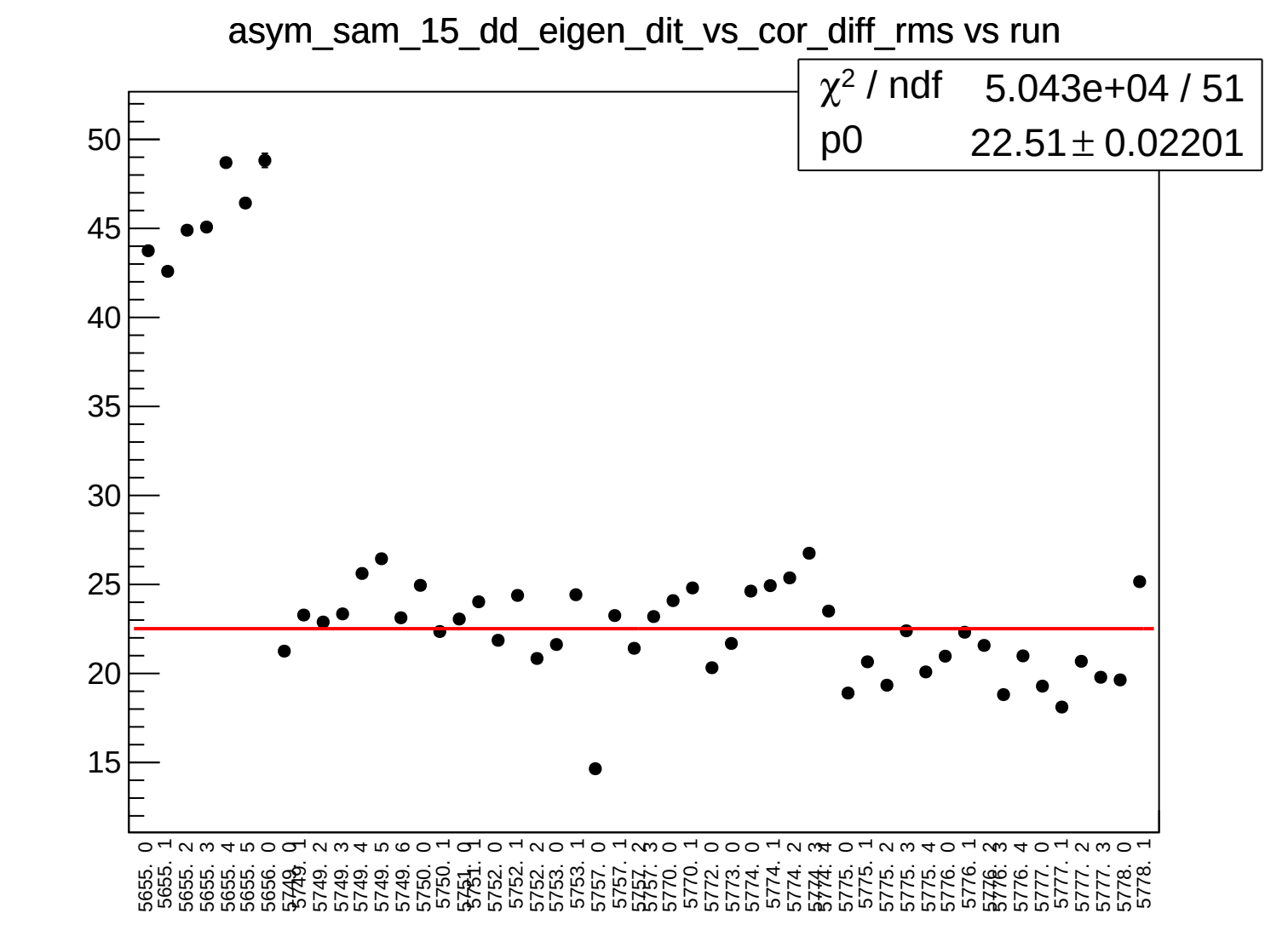
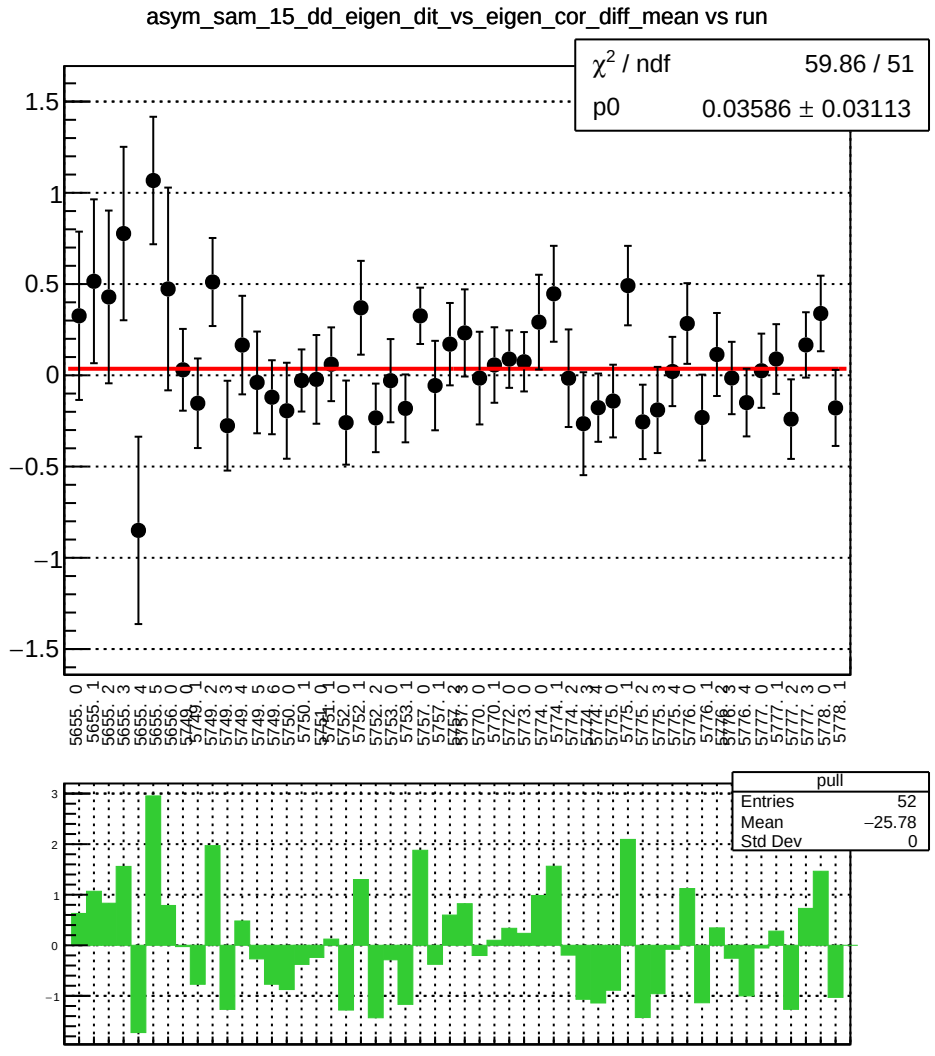
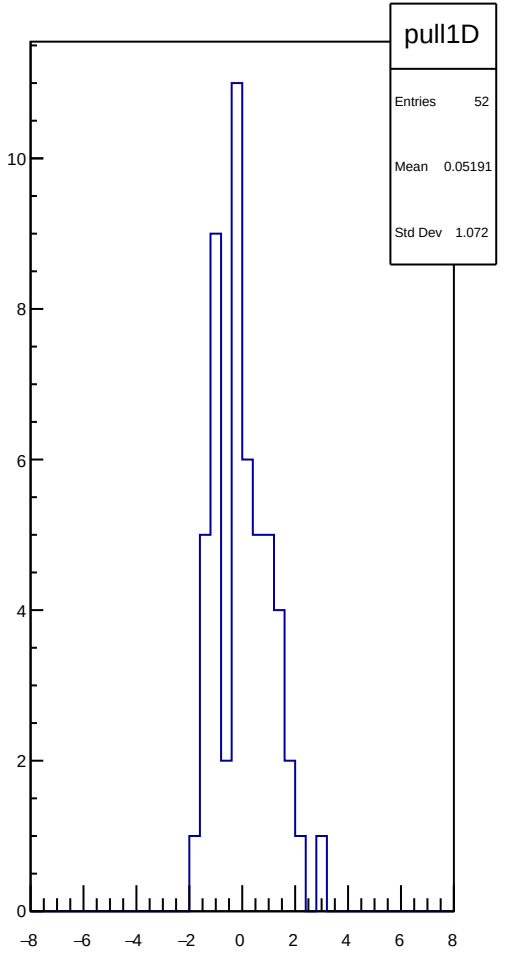
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

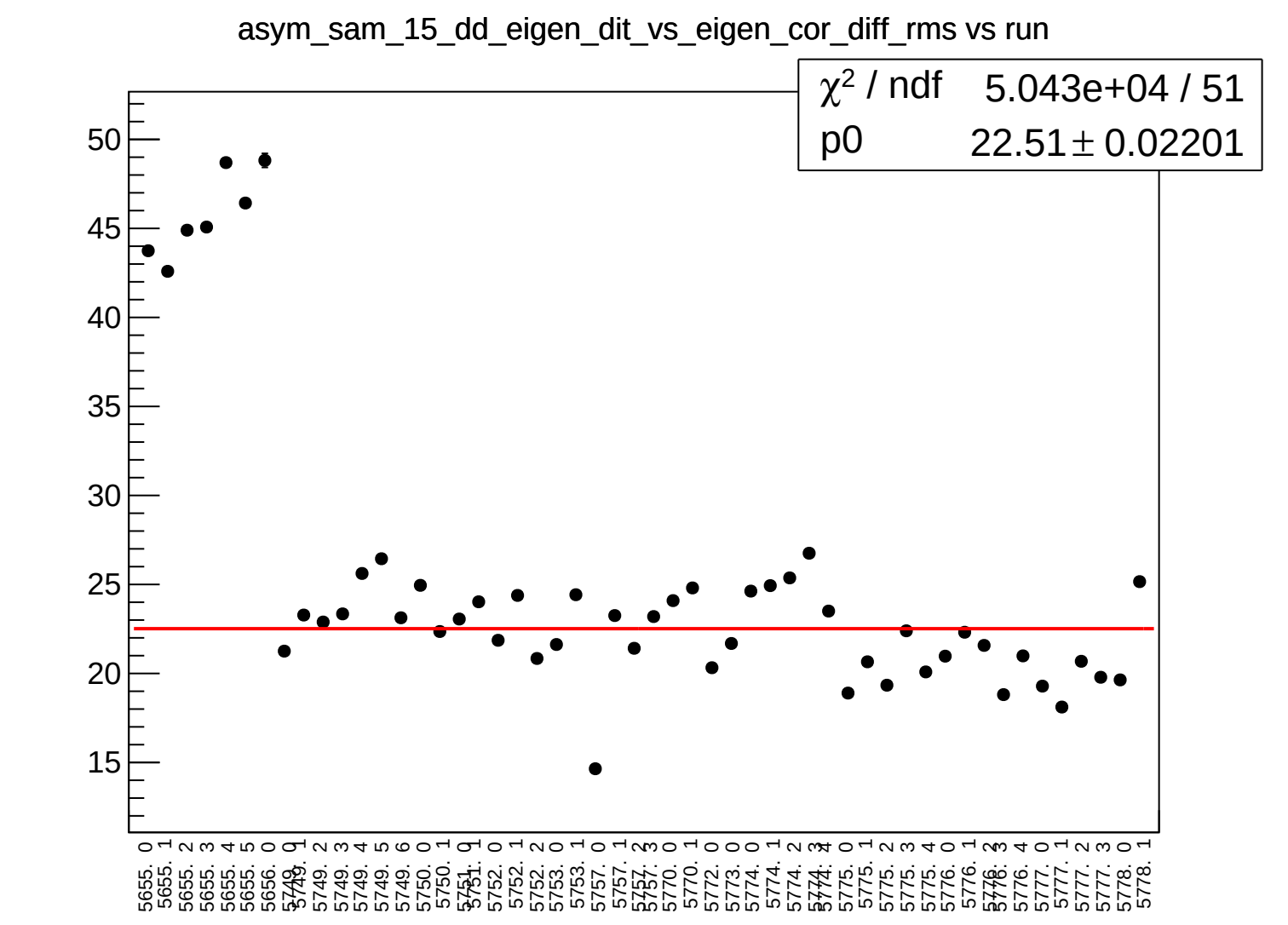

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 59.86 / 51
p0 0.03586 ± 0.03113
pull
Entries 52
Mean −25.78
Std Dev 0

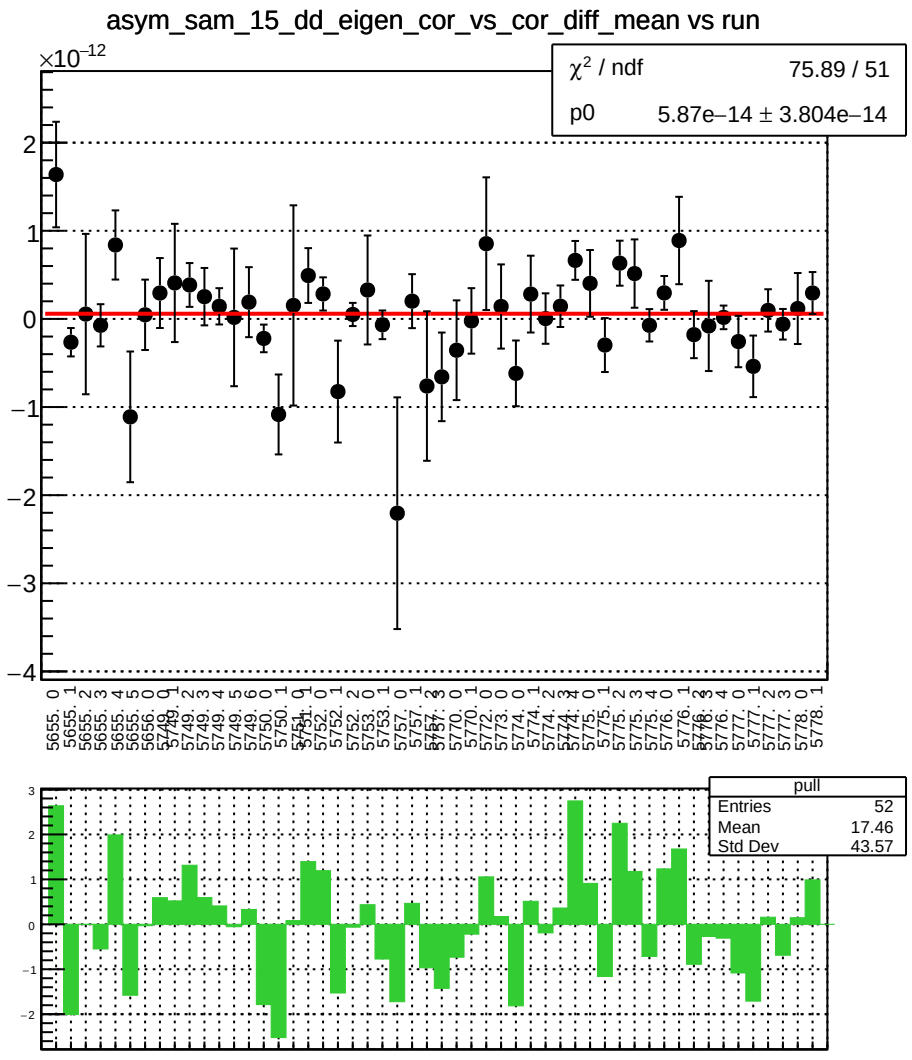

pull1D
Entries 52
Mean 0.05191
Std Dev 1.072

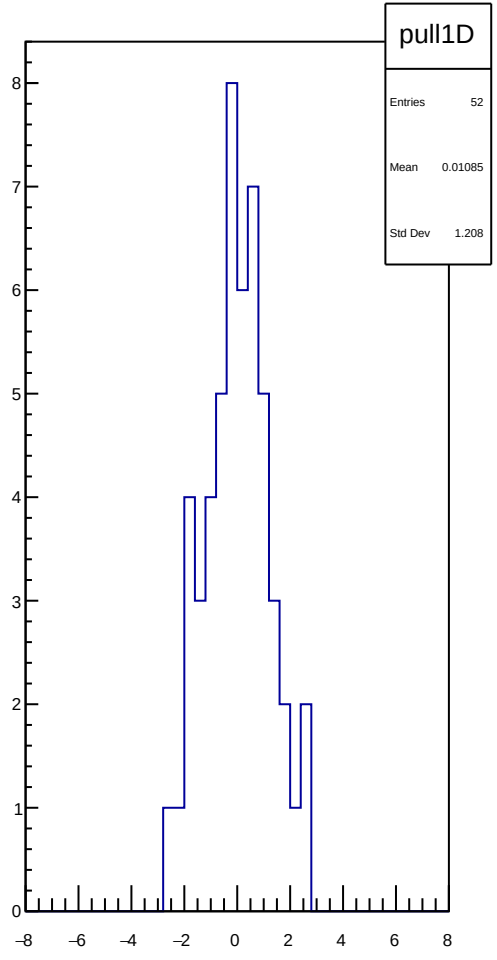

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.043e+04 / 51
p0 22.51 ± 0.02201
50
45
40
35
30
25
20
15
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

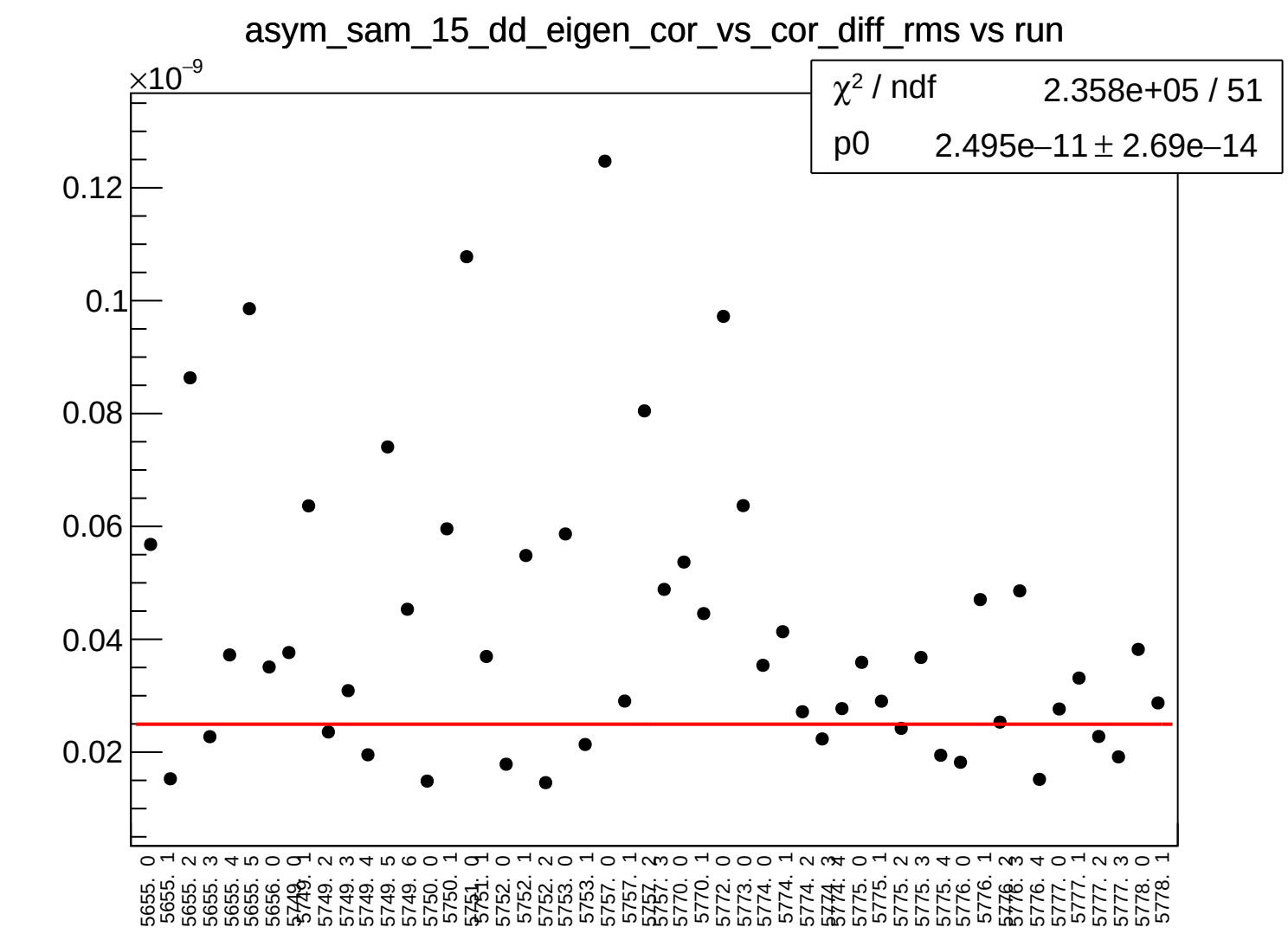

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 59.86 / 51
p0 0.03586 ± 0.03113
pull
Entries 52
Mean −25.78
Std Dev 0

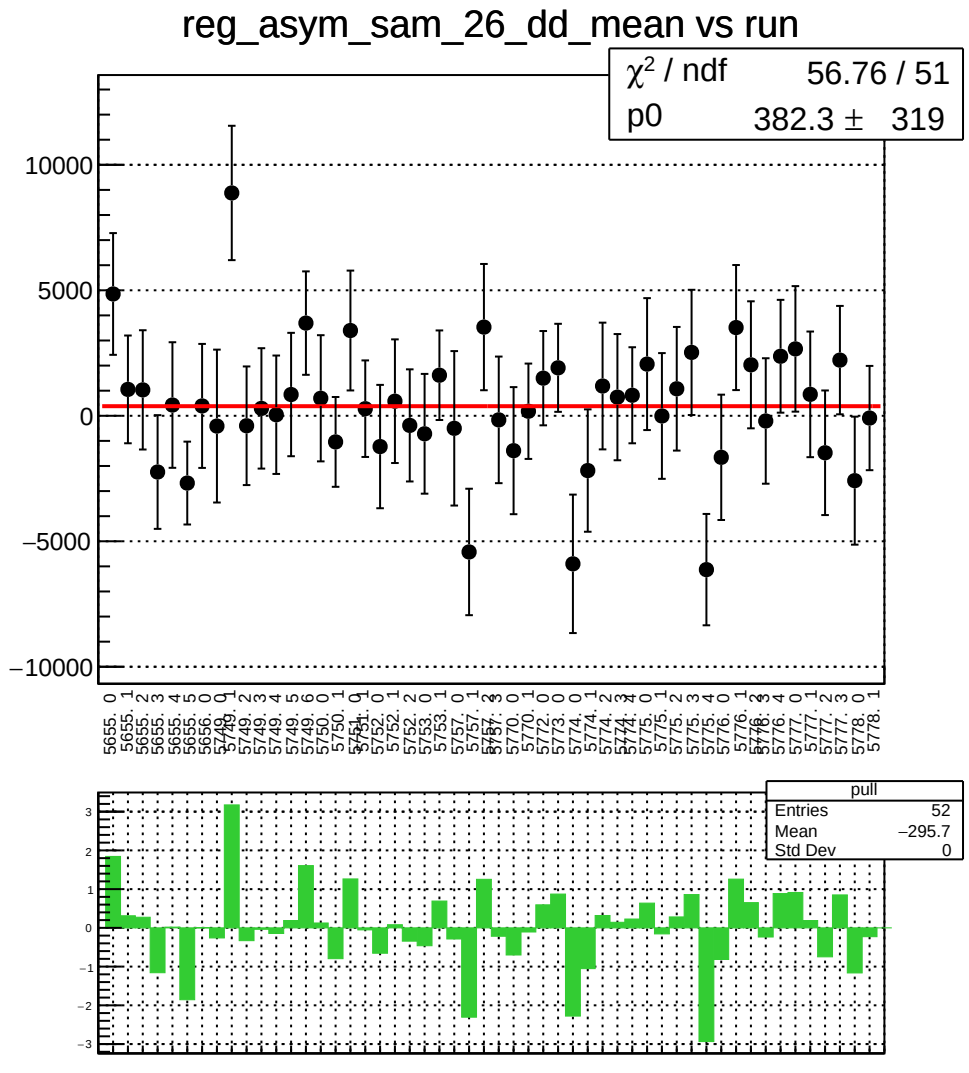

pull1D
Entries 52
Mean 0.05191
Std Dev 1.072

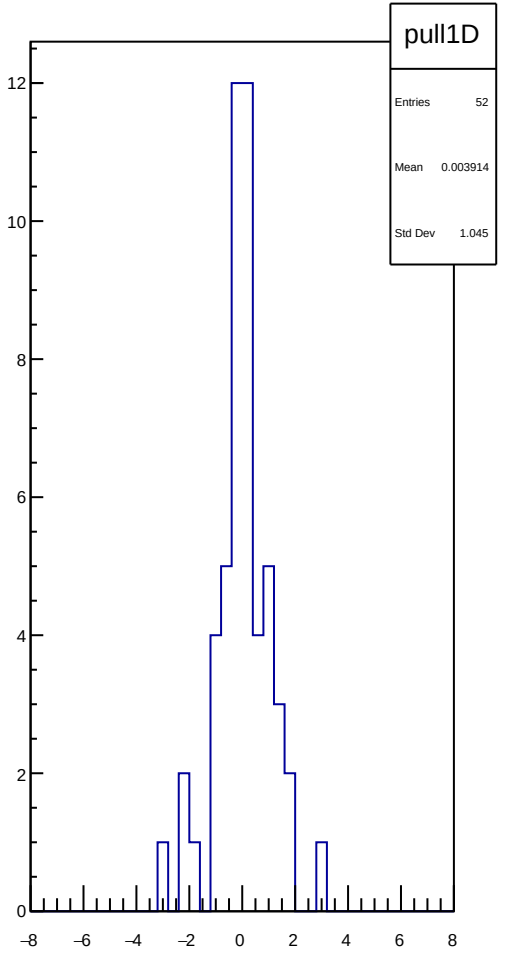

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.043e+04 / 51
p0 22.51 ± 0.02201
50
45
40
35
30
25
20
15
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

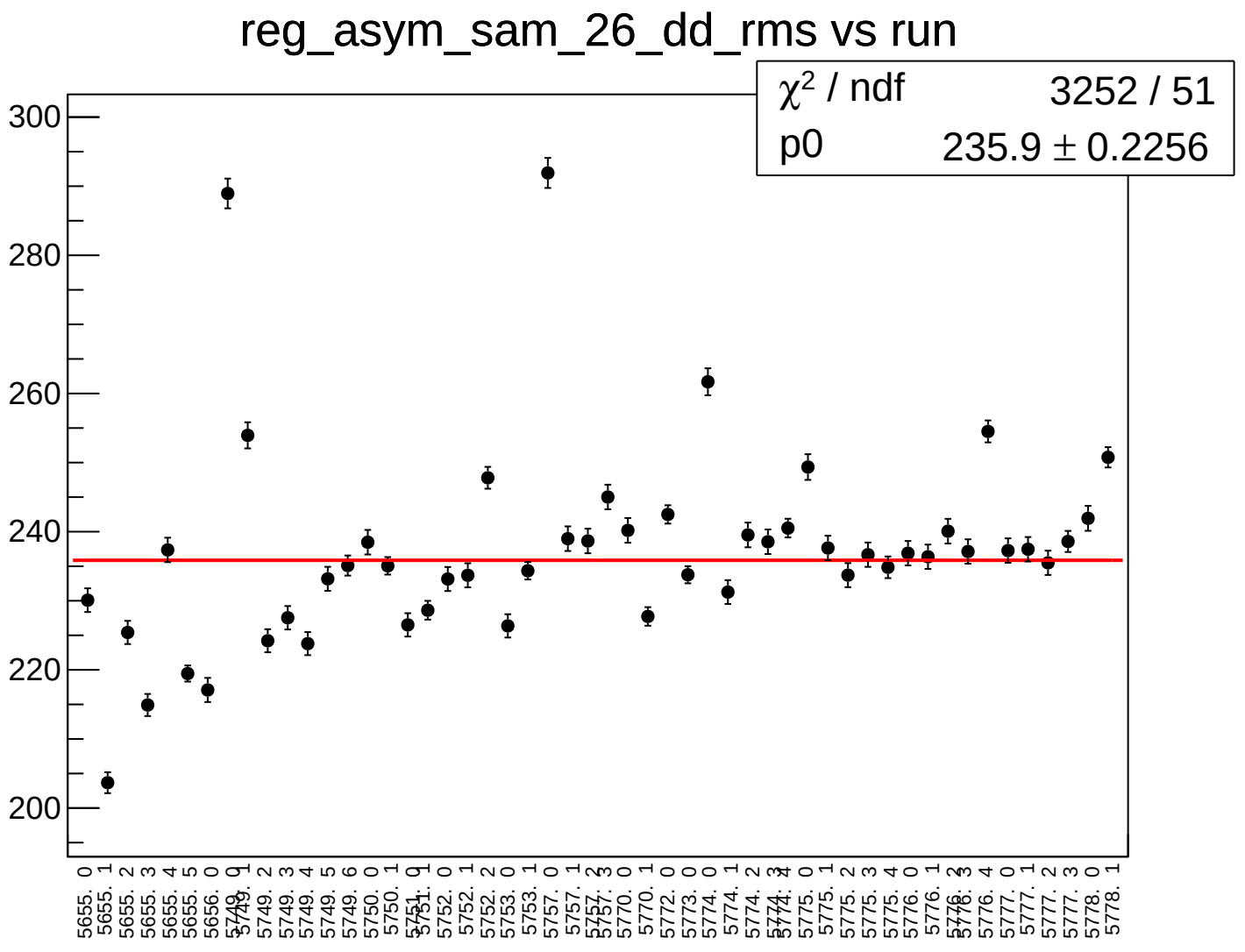

asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 75.89 / 51
p0 5.87e−14 ± 3.804e−14
pull
Entries 52
Mean 17.46
Std Dev 43.57

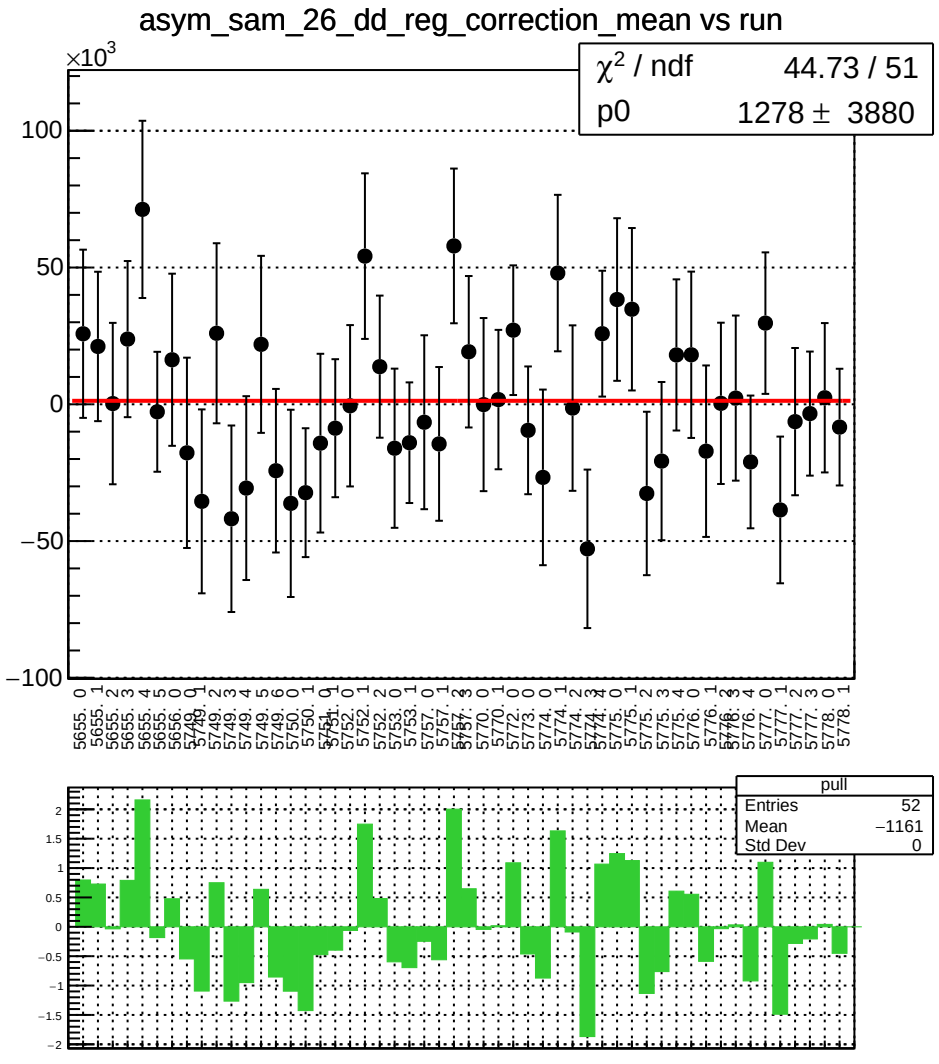

pull1D
Entries 52
Mean 0.01085
Std Dev 1.208

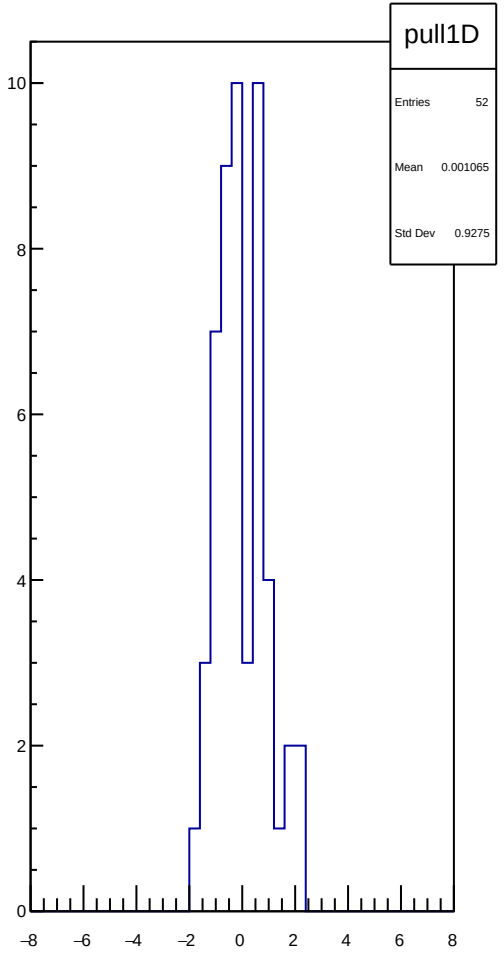

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.358e+05 / 51
p0 2.495e−11 ± 2.69e−14
0.12
0.1
0.08
0.06
0.04
0.02
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

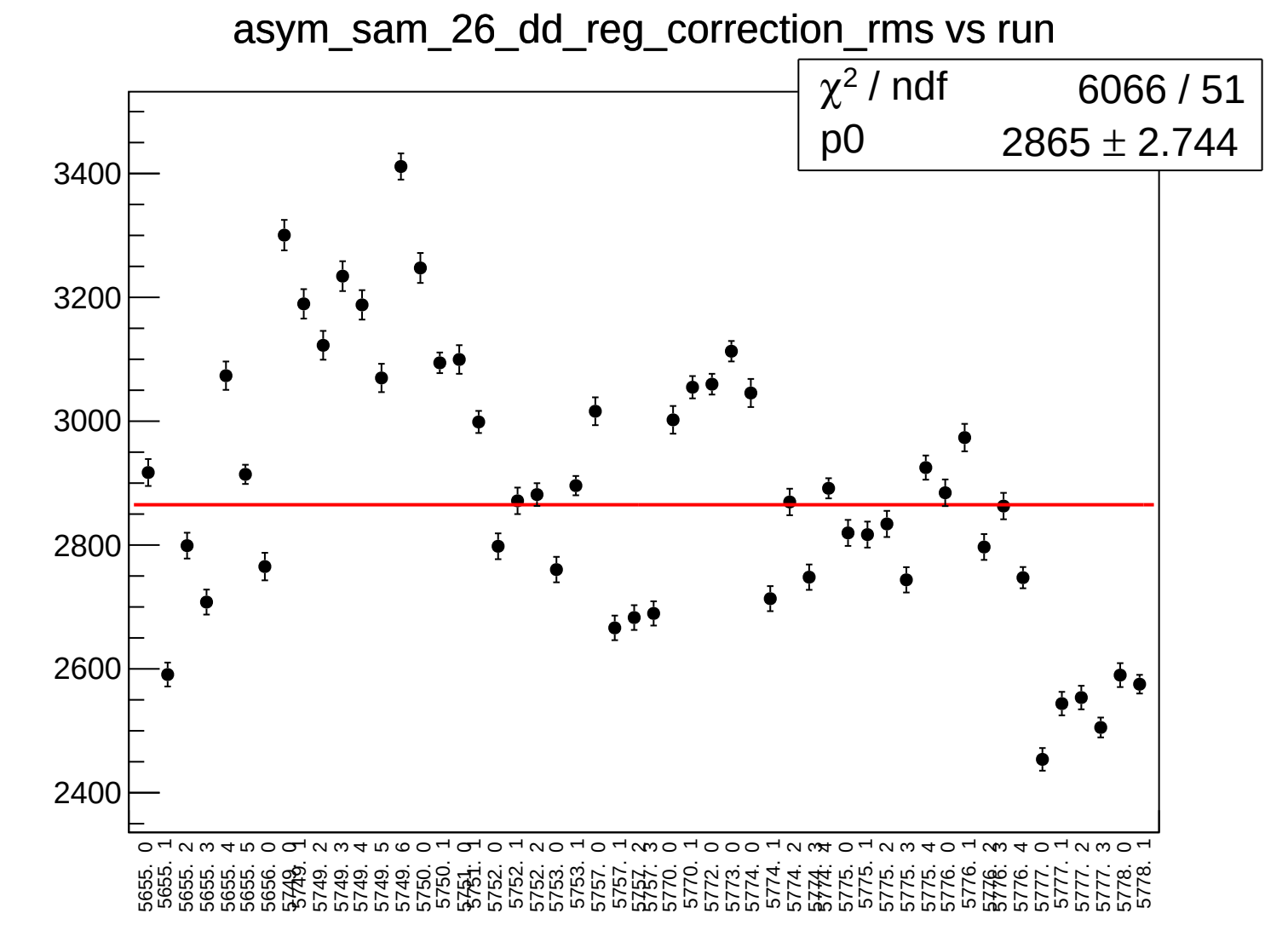

reg_asym_sam_26_dd_mean vs run
χ² / ndf 56.76 / 51
p0 382.3 ± 319
10000
5000
0
−5000
−10000
pull
Entries 52
Mean −295.7
Std Dev 0
3
2
1
0
−1
−2
−3

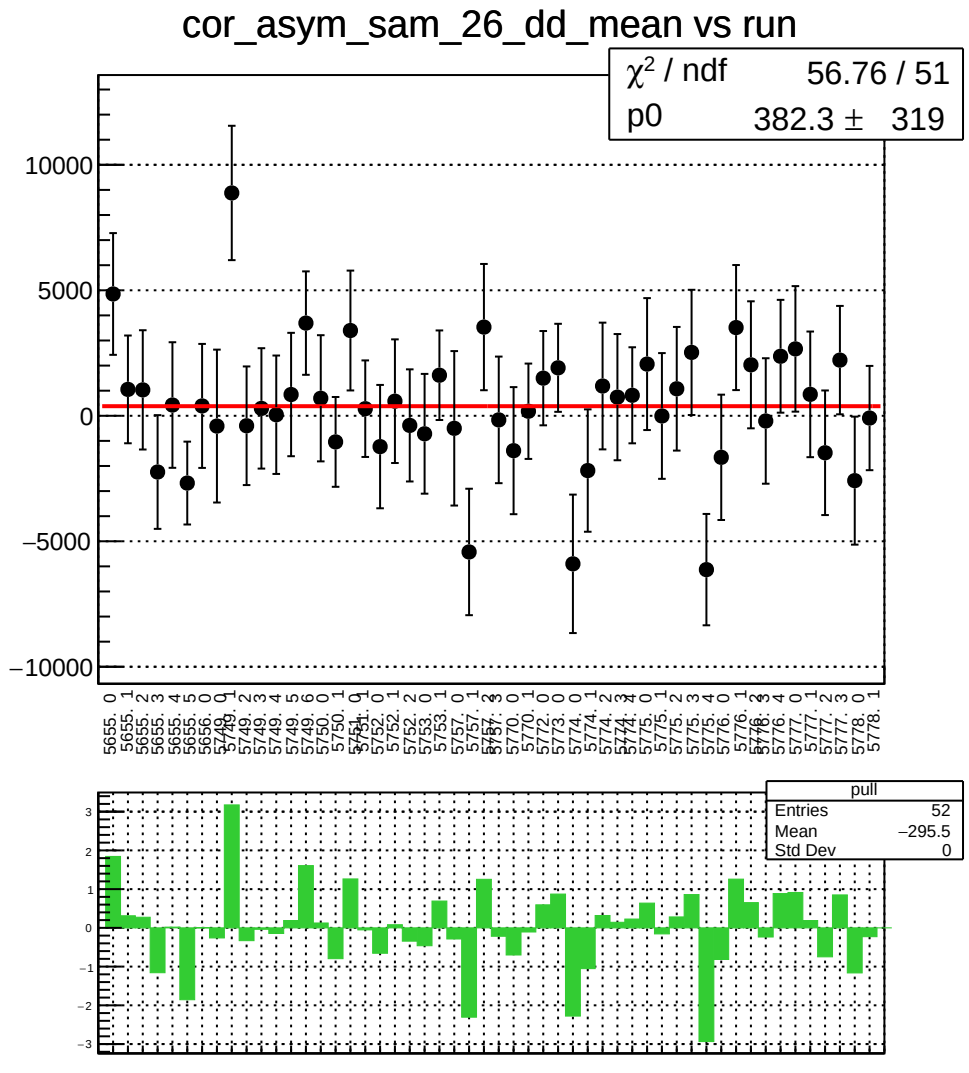

pull1D
Entries 52
Mean 0.003914
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

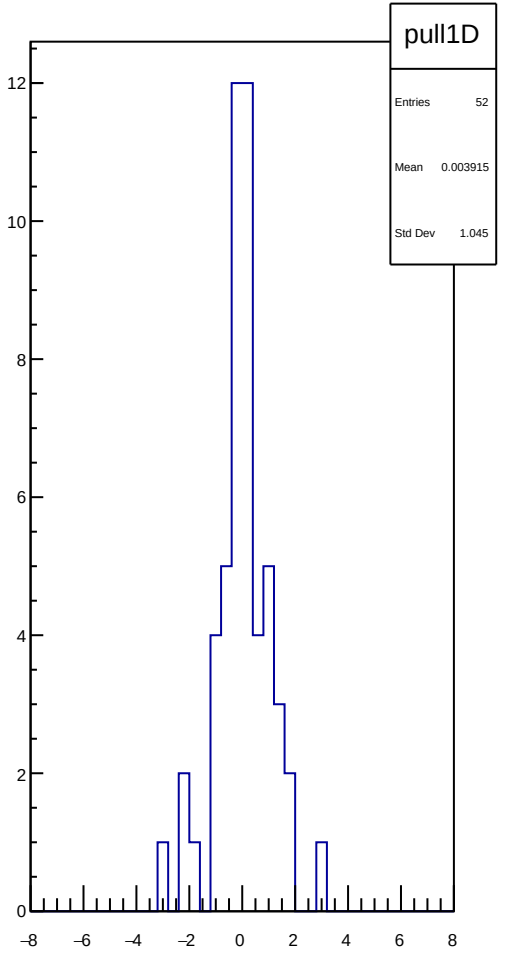

reg_asym_sam_26_dd_rms vs run
χ² / ndf 3252 / 51
p0 235.9 ± 0.2256
300
280
260
240
220
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

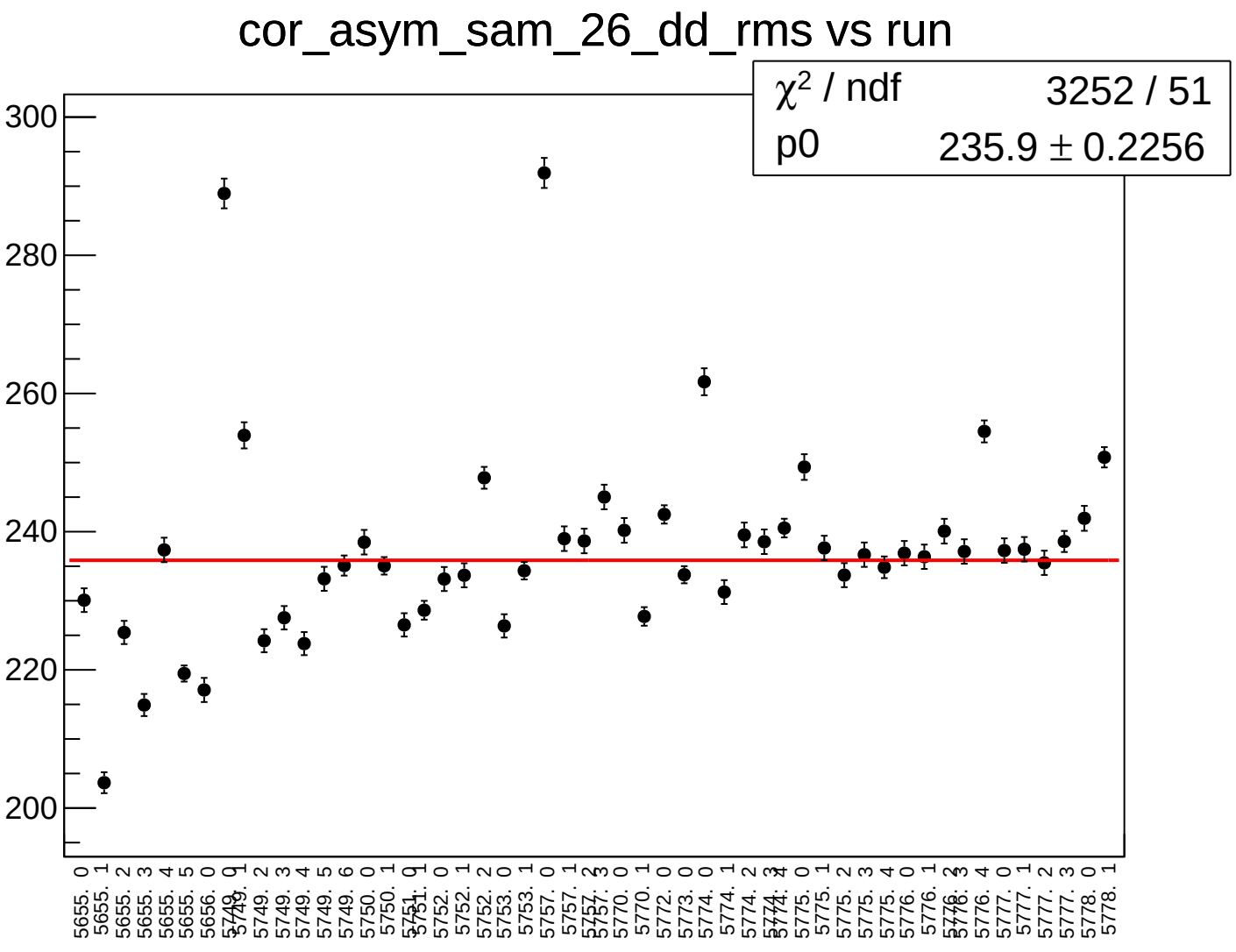

asym_sam_26_dd_reg_correction_mean vs run
×10^3
χ² / ndf 44.73 / 51
p0 1278 ± 3880
100
50
0
−50
−100
pull
Entries 52
Mean −1161
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean 0.001065
Std Dev 0.9275
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 6066 / 51
p0 2865 ± 2.744
3400
3200
3000
2800
2600
2400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_sam_26_dd_mean vs run
χ² / ndf 56.76 / 51
p0 382.3 ± 319
10000
5000
0
−5000
−10000
pull
Entries 52
Mean −295.5
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean 0.003915
Std Dev 1.045
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 3252 / 51
p0 235.9 ± 0.2256
300
280
260
240
220
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
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5777. 0
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5777. 2
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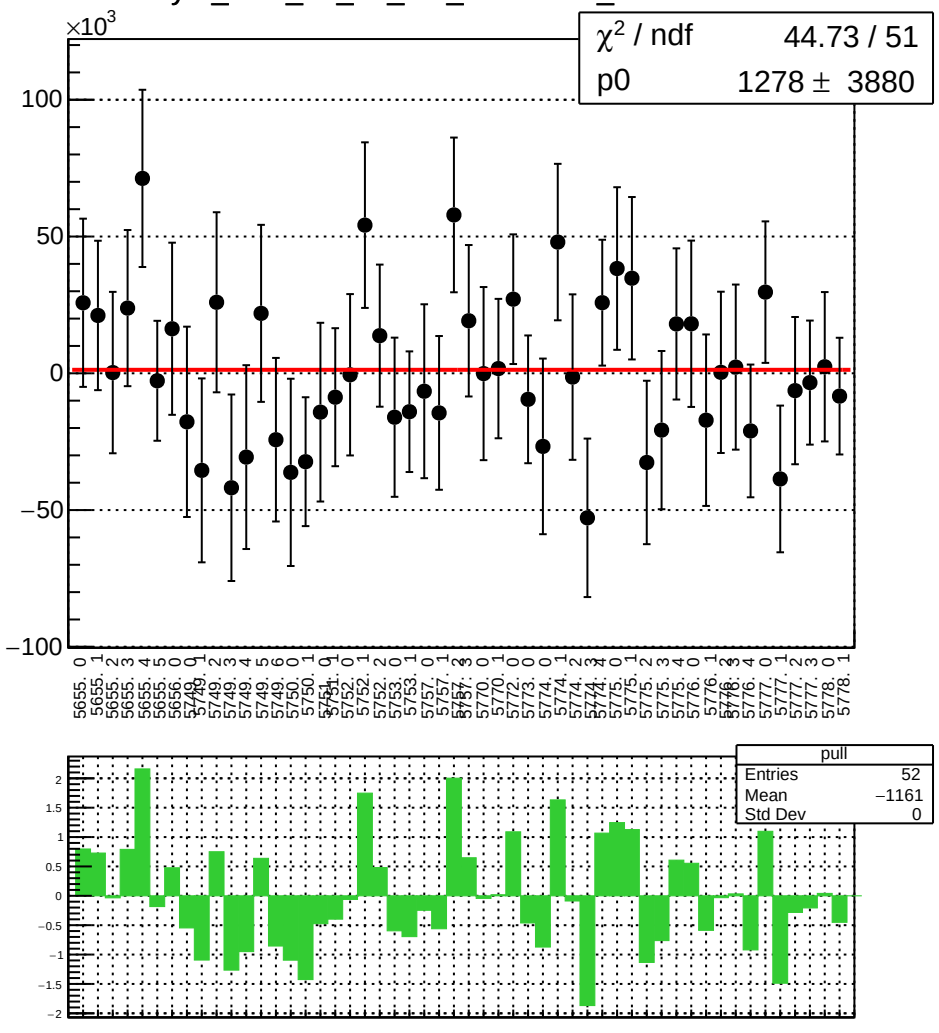
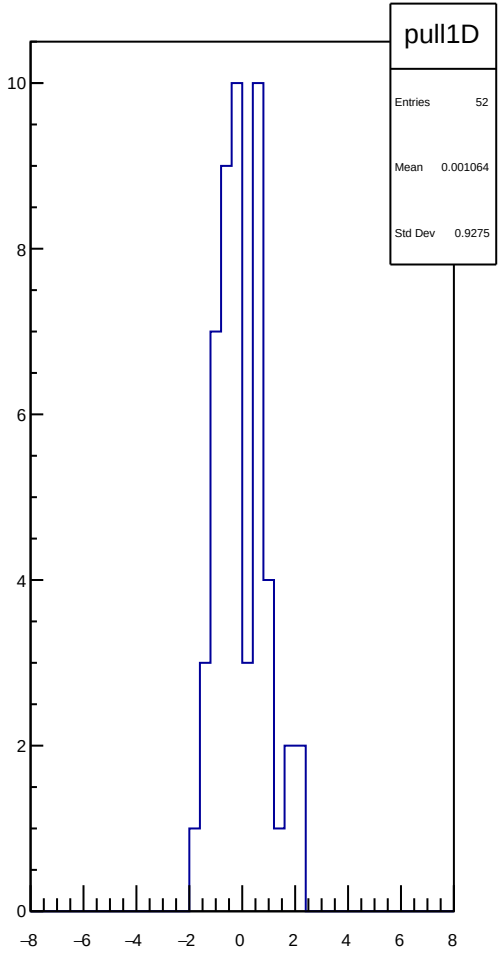
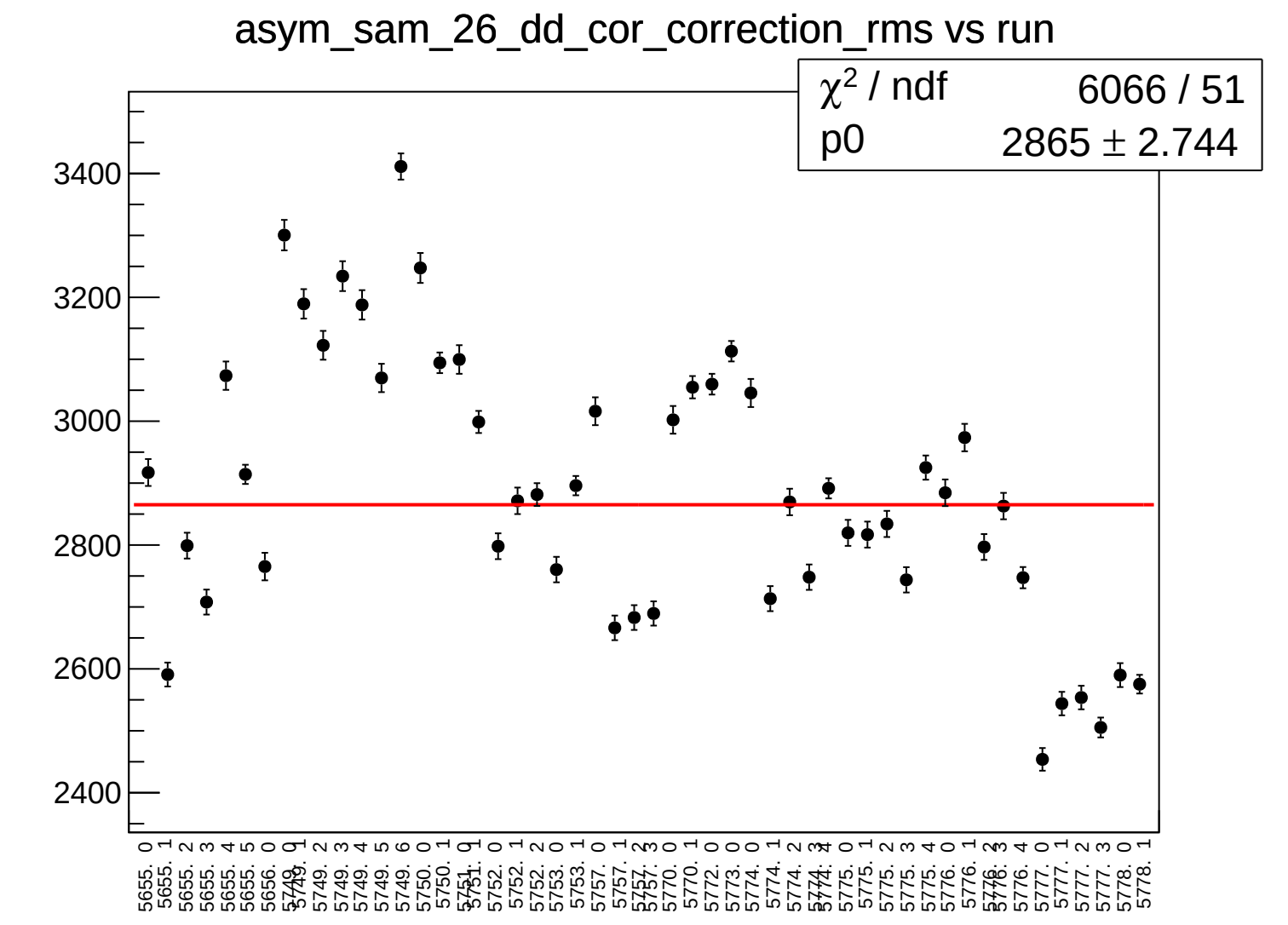
5778. 0
5778. 1


asym_sam_26_dd_cor_correction_mean vs run
×10^3
χ² / ndf 44.73 / 51
p0 1278 ± 3880
100
50
0
−50
−100
pull
Entries 52
Mean −1161
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean 0.001064
Std Dev 0.9275
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 6066 / 51
p0 2865 ± 2.744
3400
3200
3000
2800
2600
2400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5772. 0
5773. 0
5774. 0
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5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
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5777. 1
5777. 2
5777. 3
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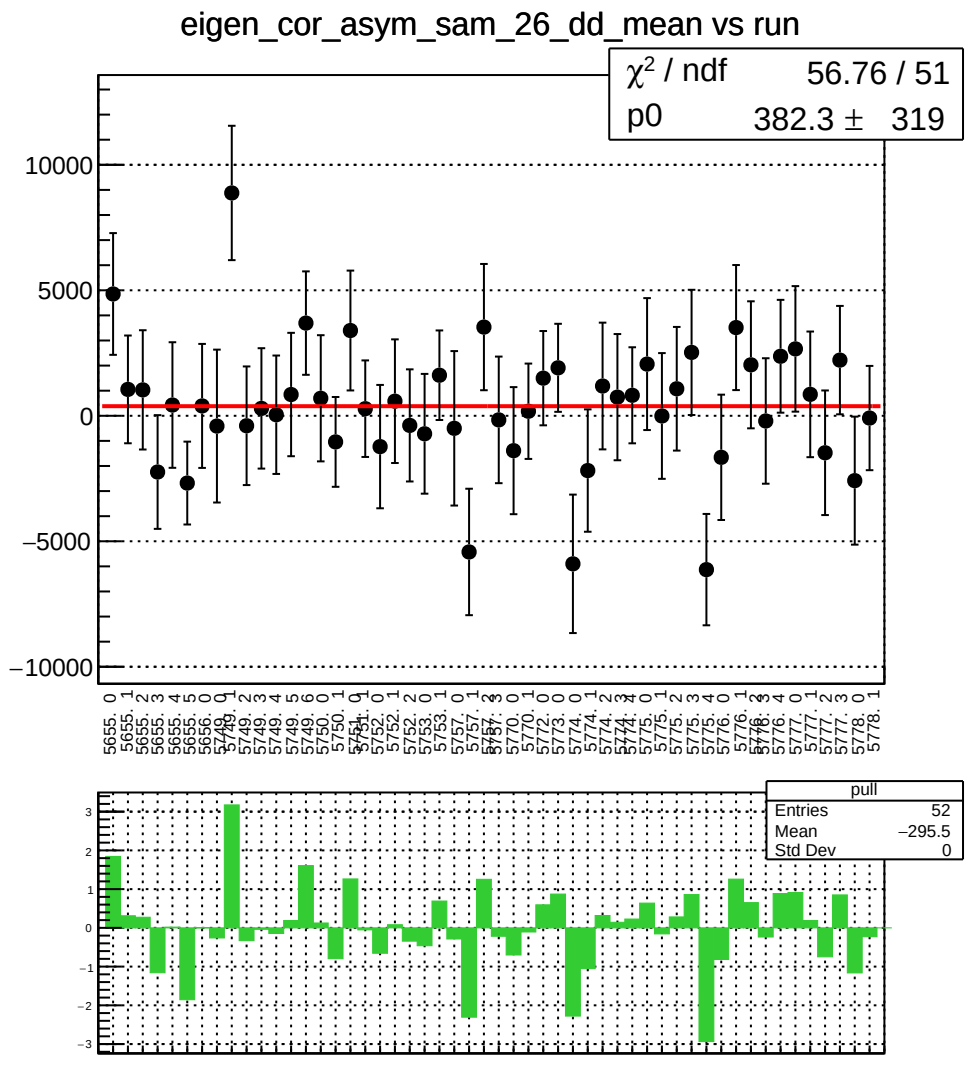
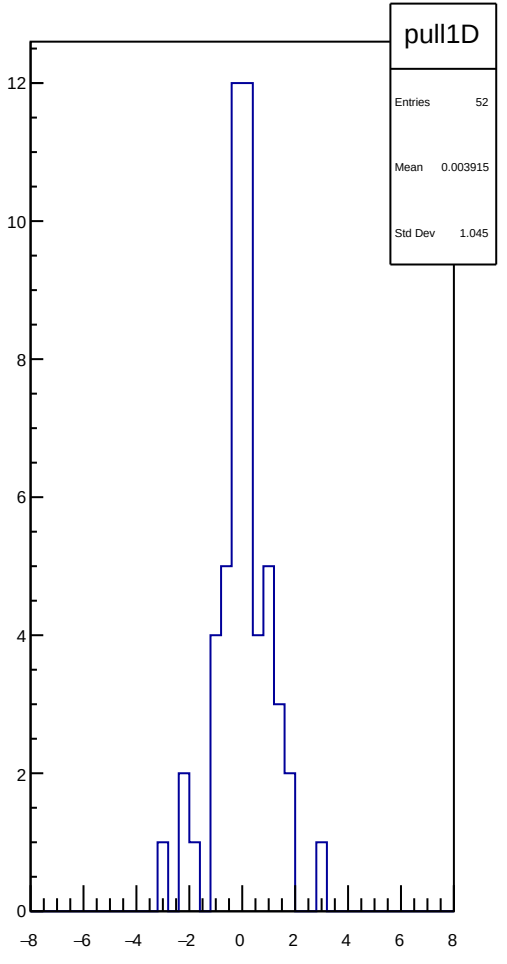
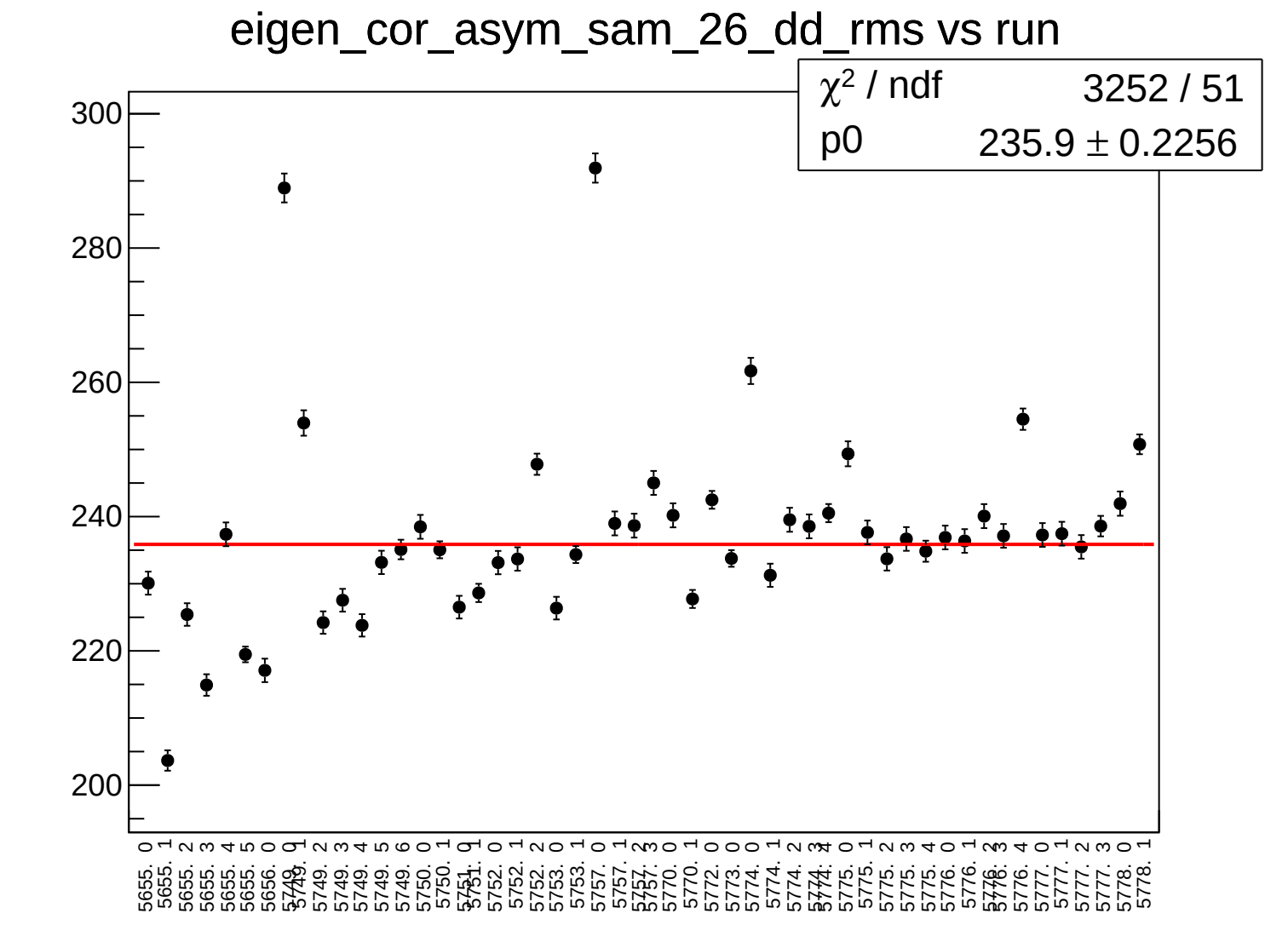

eigen_cor_asym_sam_26_dd_mean vs run
χ² / ndf 56.76 / 51
p0 382.3 ± 319
10000
5000
0
−5000
−10000
pull
Entries 52
Mean −295.5
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean 0.003915
Std Dev 1.045
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 3252 / 51
p0 235.9 ± 0.2256
300
280
260
240
220
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5749. 6
5750. 0
5750. 1
5751. 0
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5752. 0
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5753. 1
5757. 0
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5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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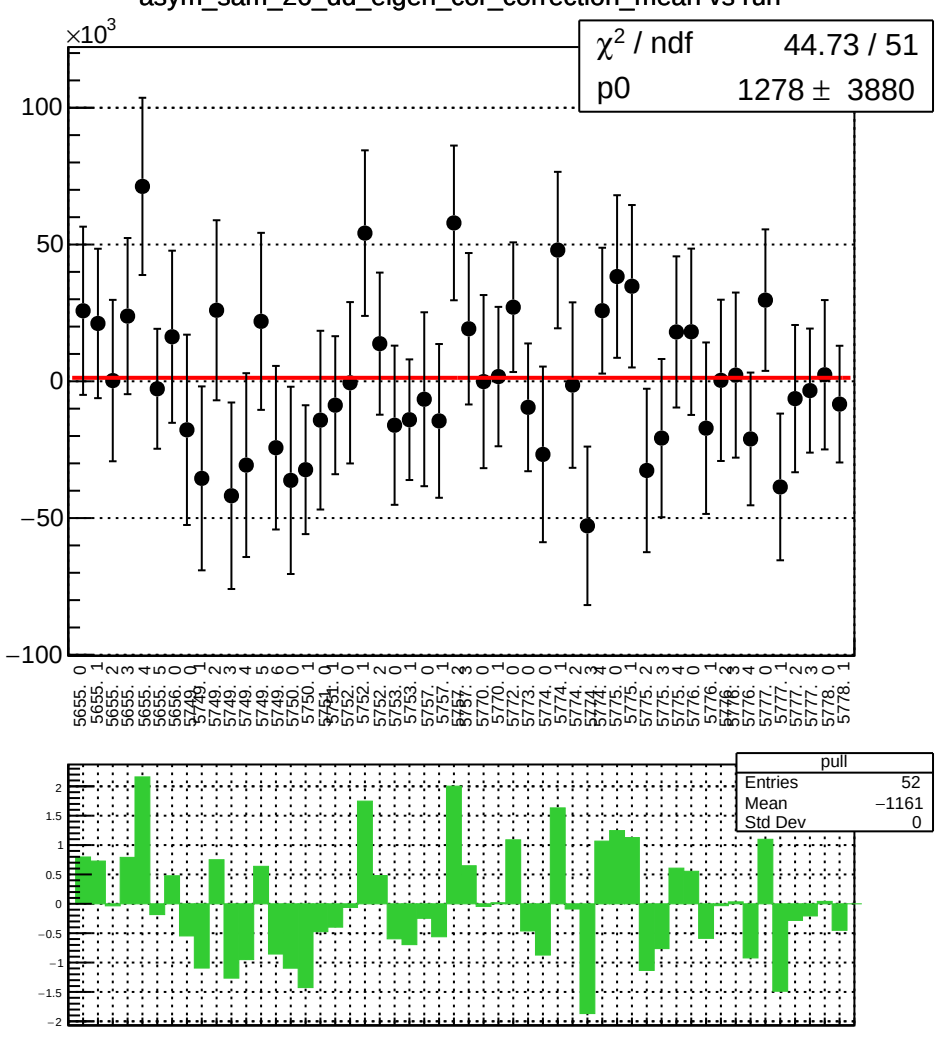
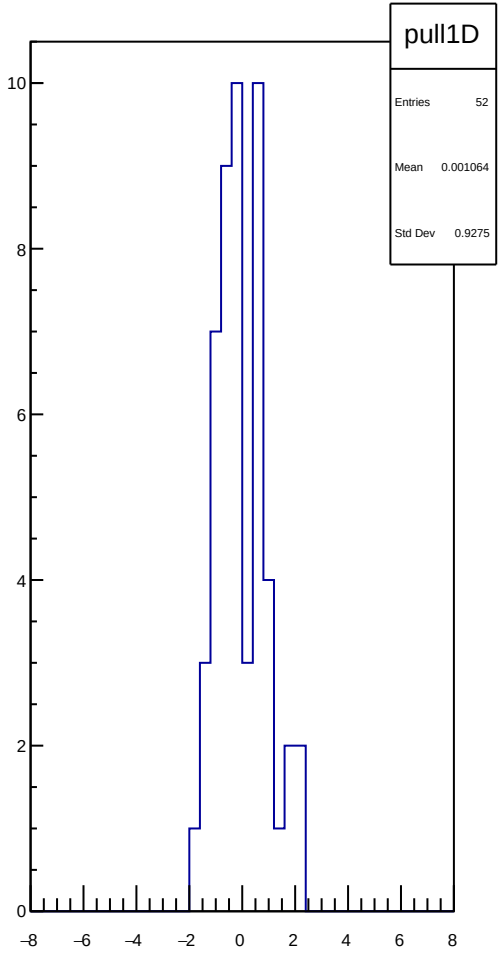
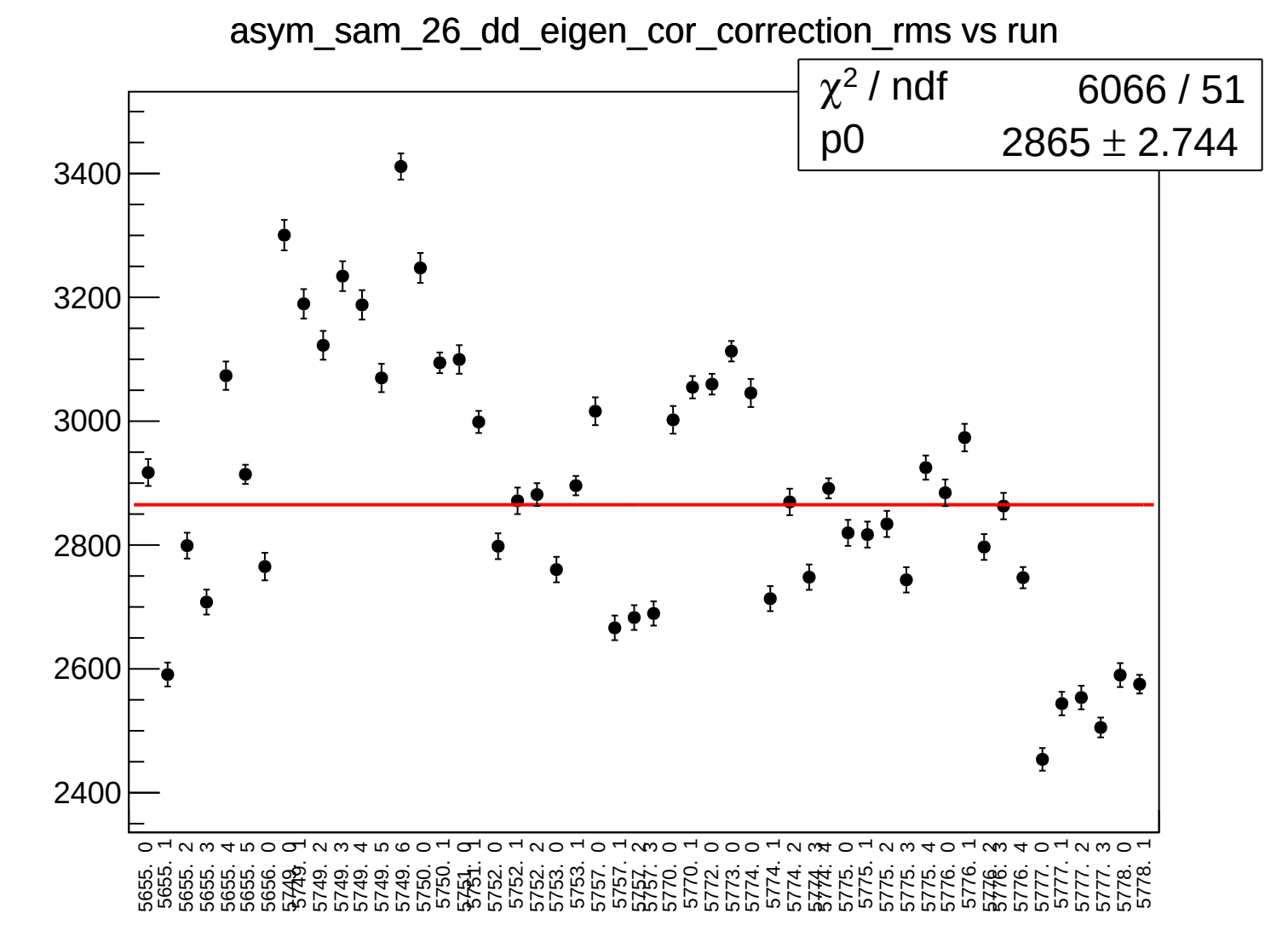
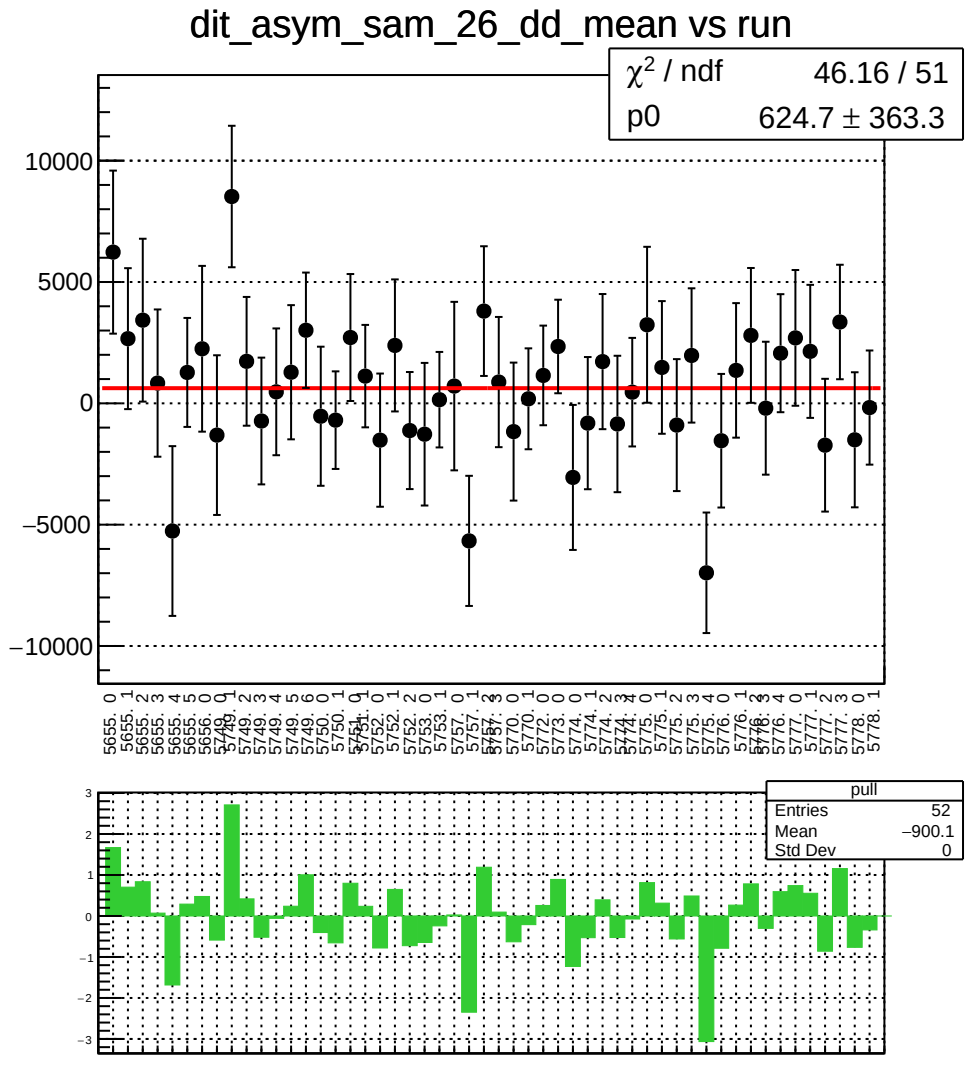
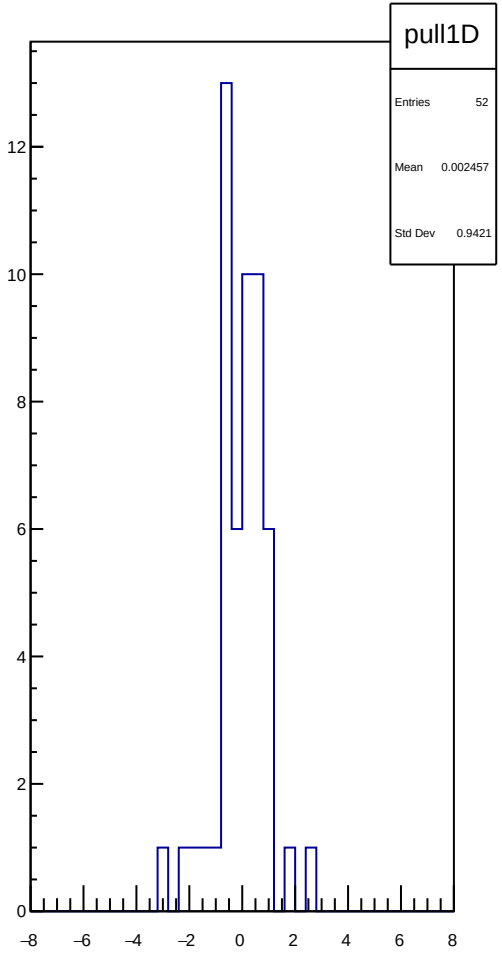
5777. 2
5777. 3
5778. 0
5778. 1

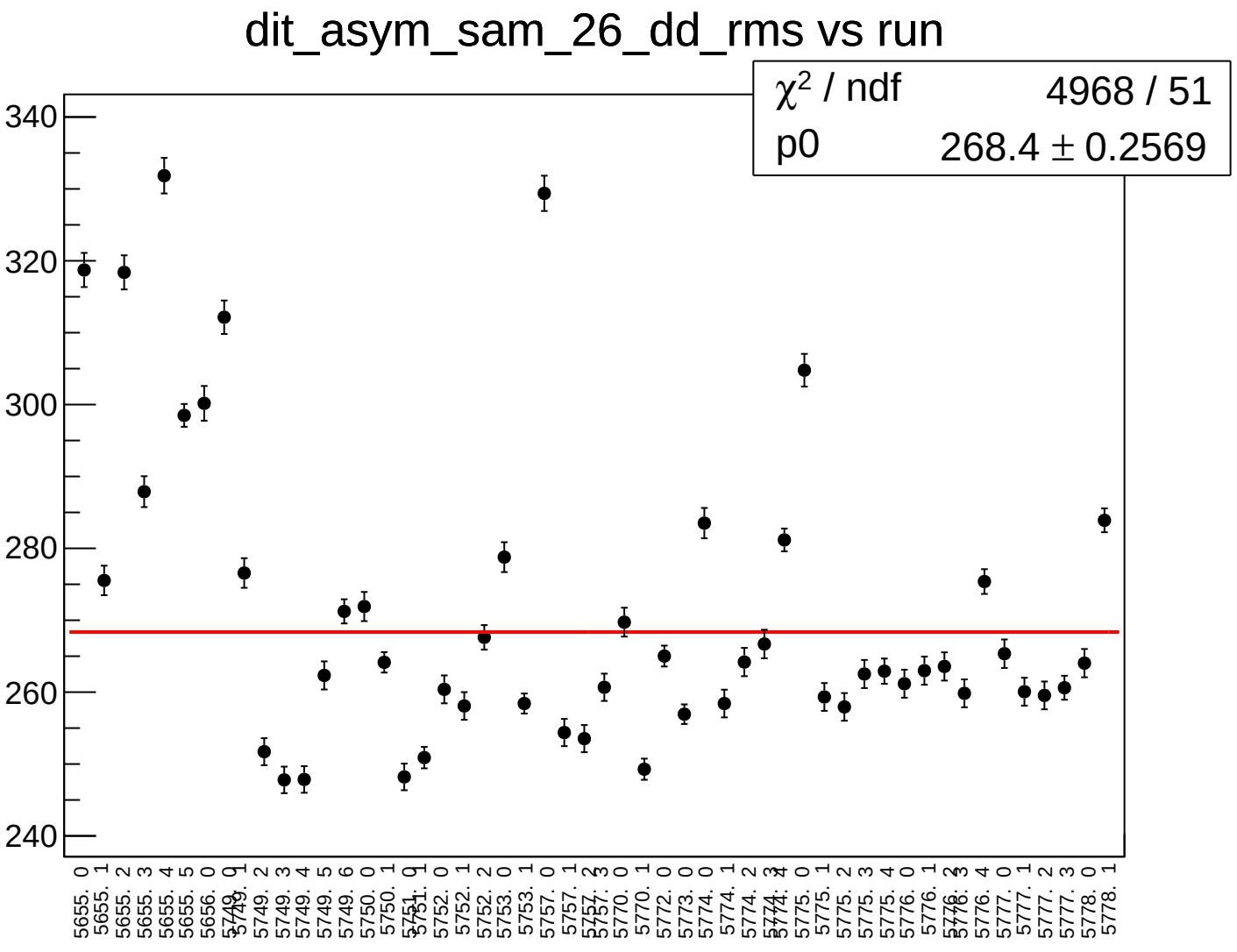

asym_sam_26_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 44.73 / 51
p0 1278 ± 3880
100
50
0
−50
−100
pull
Entries 52
Mean −1161
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

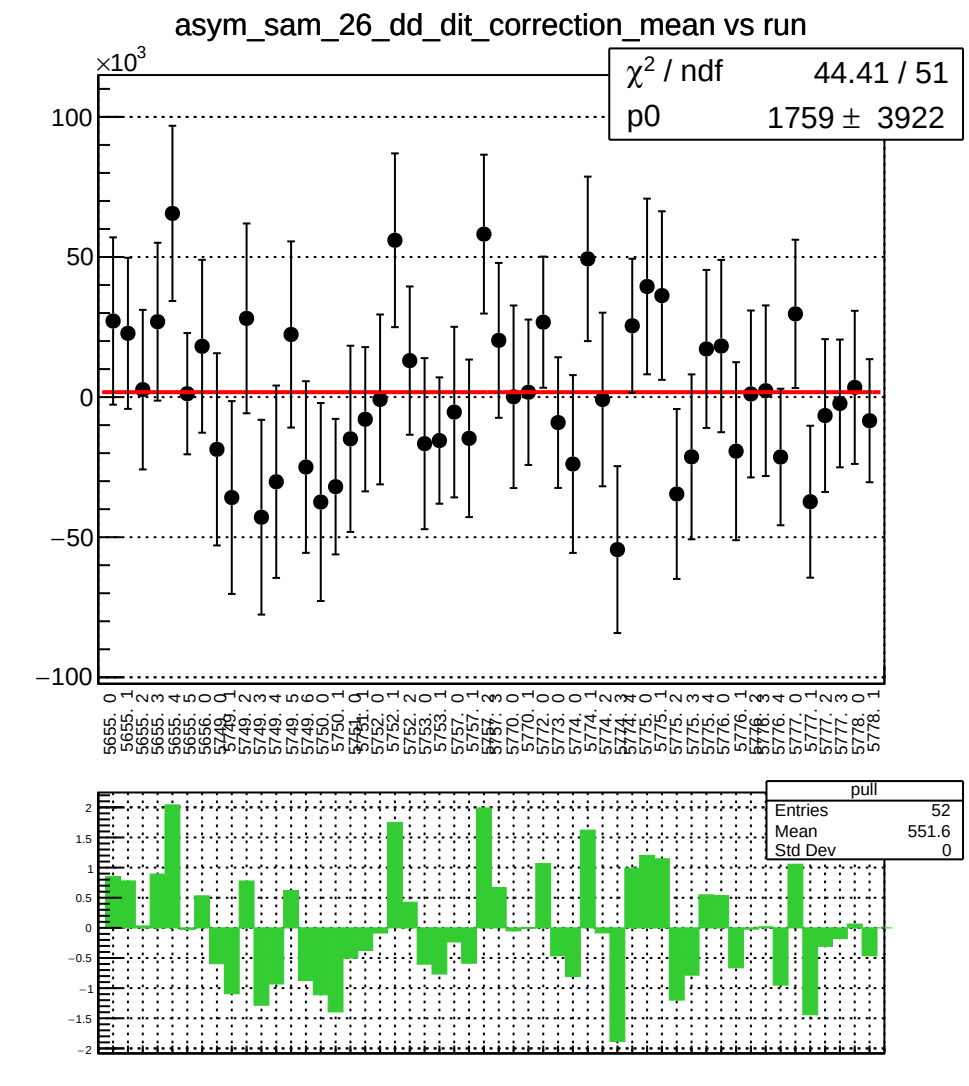

pull1D
Entries 52
Mean 0.001064
Std Dev 0.9275
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

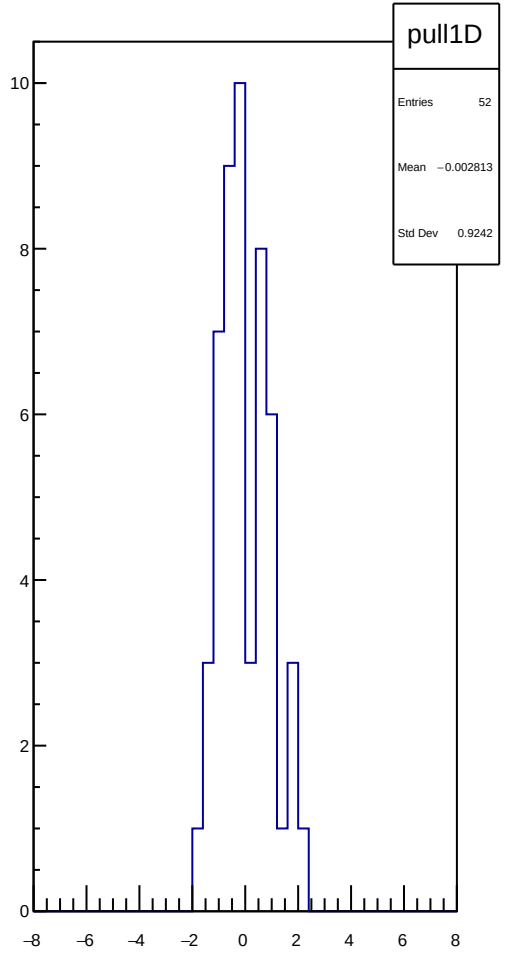

asym_sam_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 6066 / 51
p0 2865 ± 2.744
3400
3200
3000
2800
2600
2400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

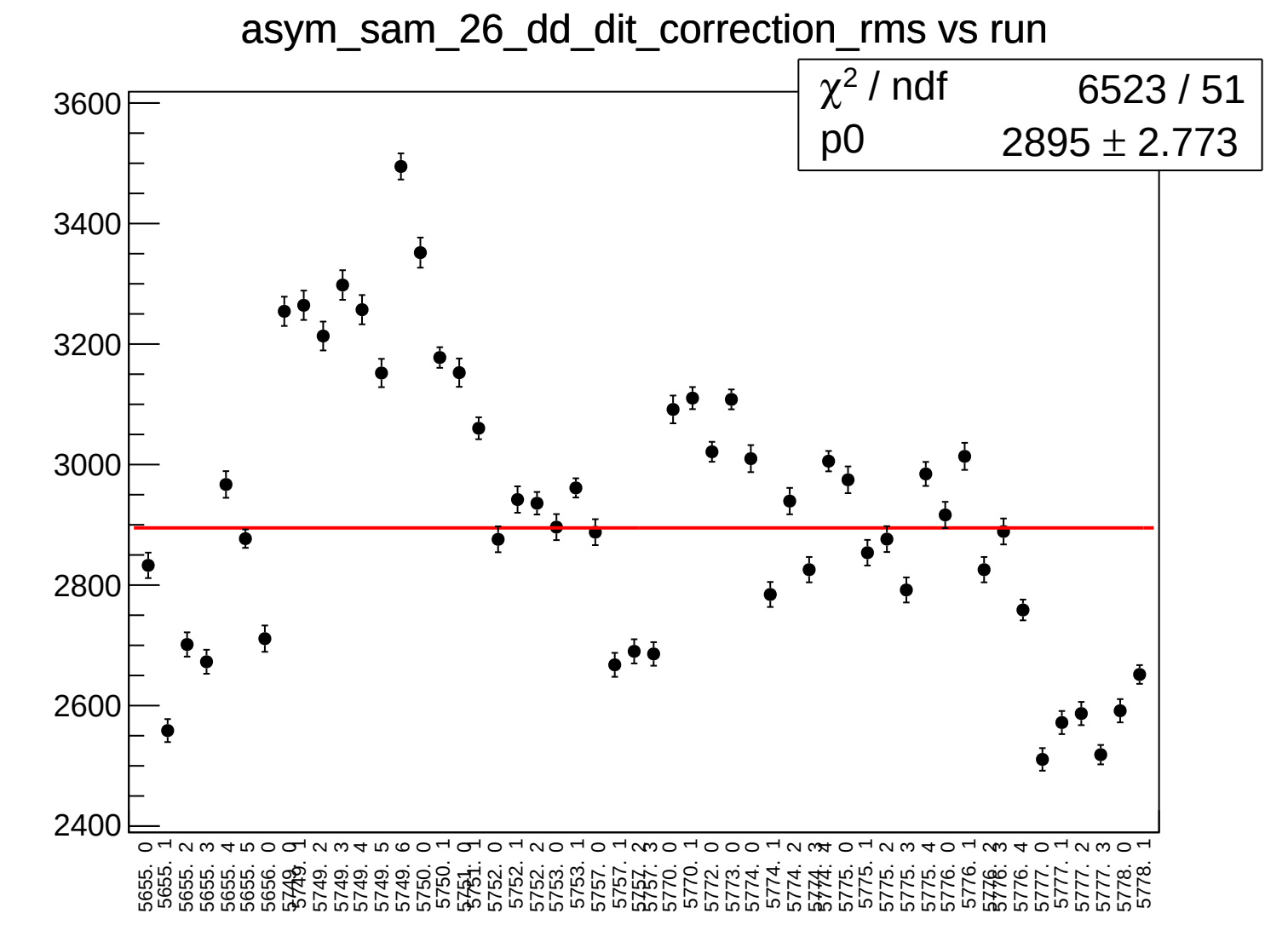

dit_asym_sam_26_dd_mean vs run
χ² / ndf 46.16 / 51
p0 624.7 ± 363.3
10000
5000
0
−5000
−10000
pull
Entries 52
Mean −900.1
Std Dev 0
3
2
1
0
−1
−2
−3

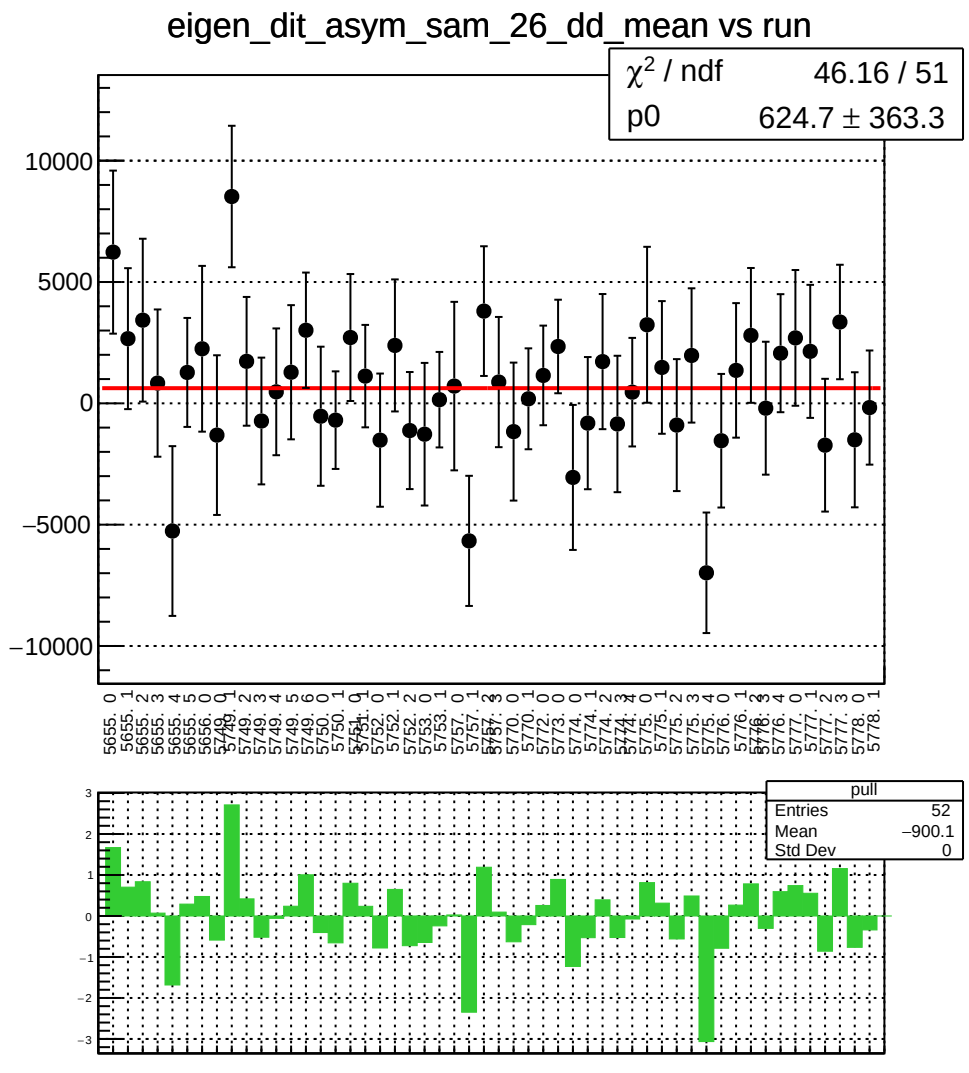

pull1D
Entries 52
Mean 0.002457
Std Dev 0.9421
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

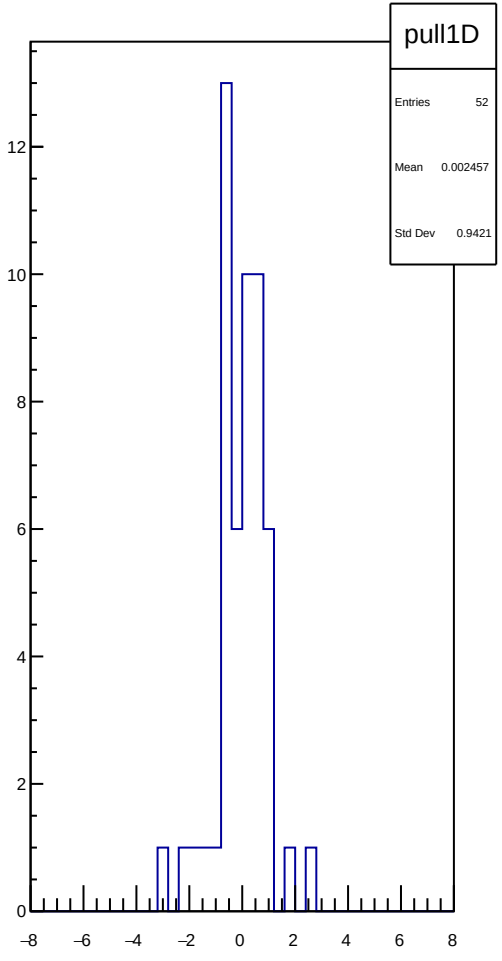

dit_asym_sam_26_dd_rms vs run
χ² / ndf 4968 / 51
p0 268.4 ± 0.2569
340
320
300
280
260
240
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

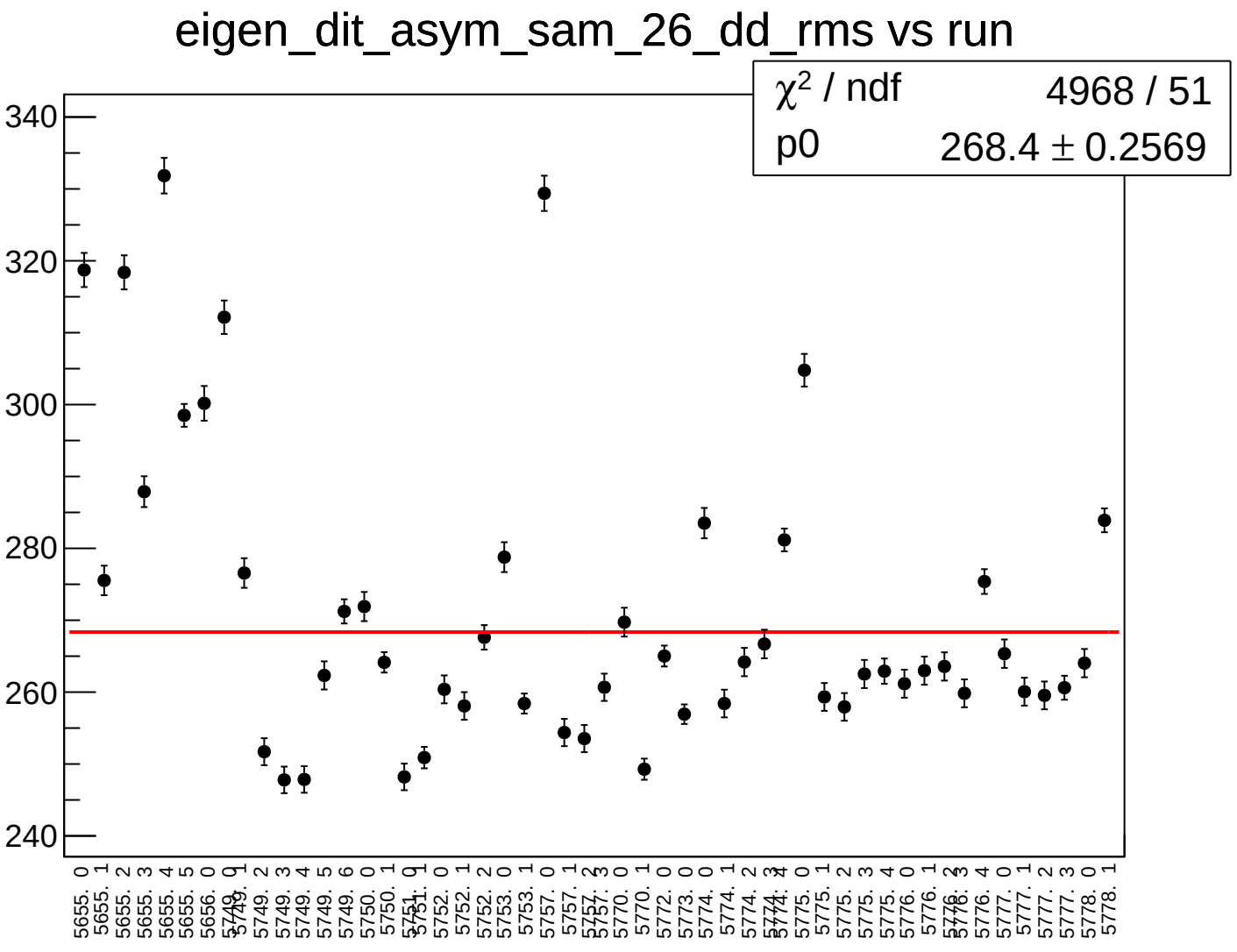

asym_sam_26_dd_dit_correction_mean vs run
×10^3
χ² / ndf 44.41 / 51
p0 1759 ± 3922
100
50
0
−50
−100
pull
Entries 52
Mean 551.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean −0.002813
Std Dev 0.9242
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 6523 / 51
p0 2895 ± 2.773
3600
3400
3200
3000
2800
2600
2400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_dit_asym_sam_26_dd_mean vs run
χ² / ndf 46.16 / 51
p0 624.7 ± 363.3
10000
5000
0
−5000
−10000
pull
Entries 52
Mean −900.1
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean 0.002457
Std Dev 0.9421
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_26_dd_rms vs run
χ² / ndf 4968 / 51
p0 268.4 ± 0.2569
340
320
300
280
260
240
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
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5774. 4
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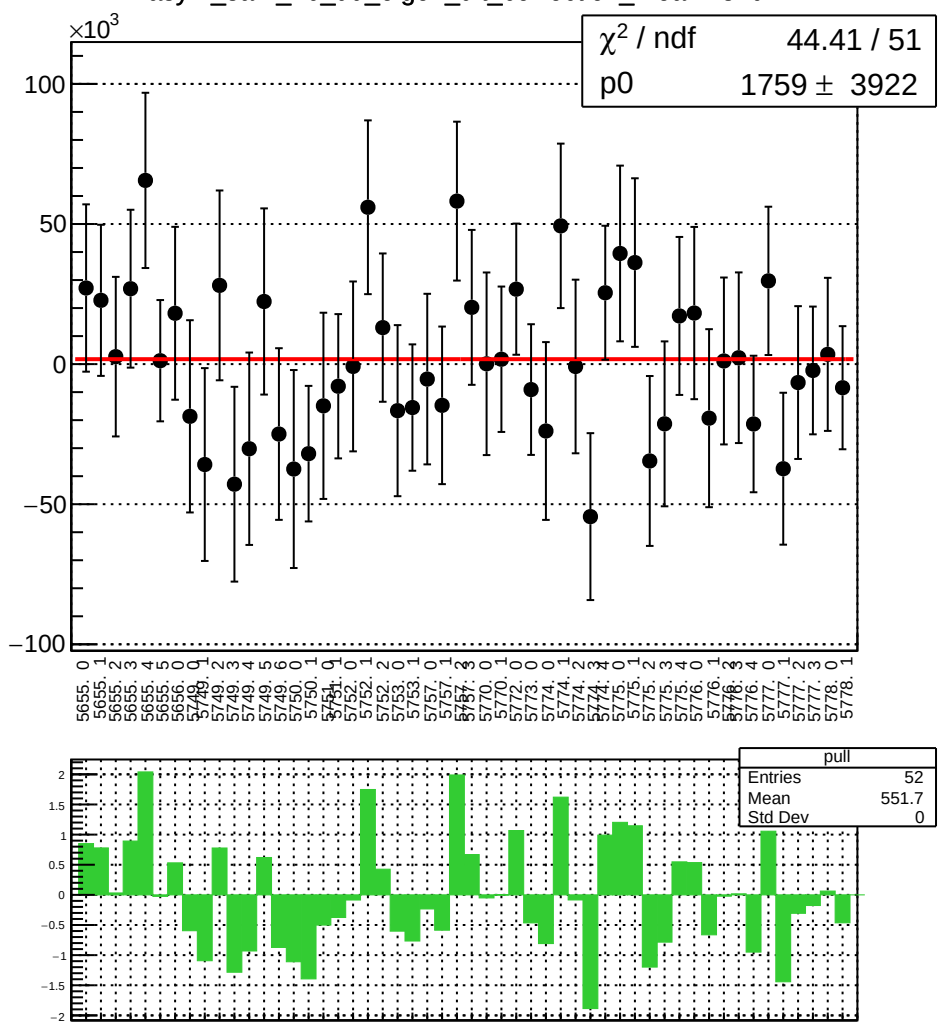
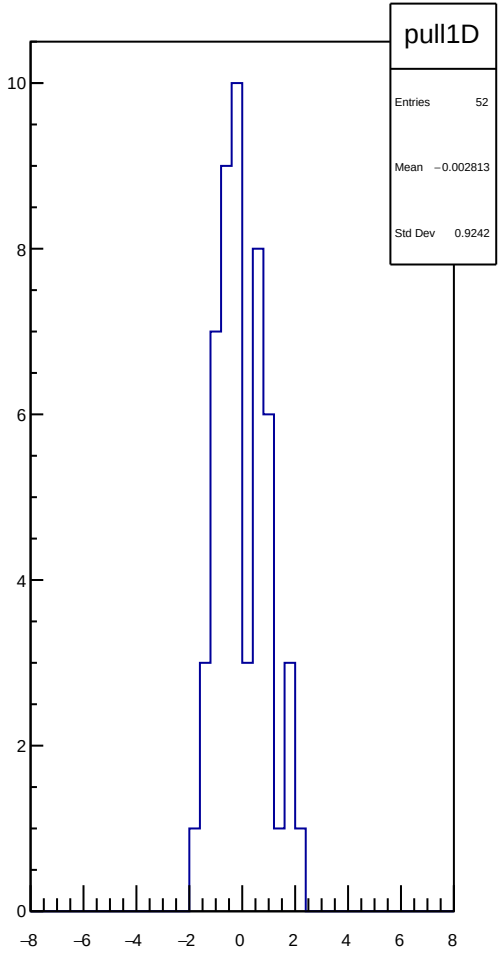
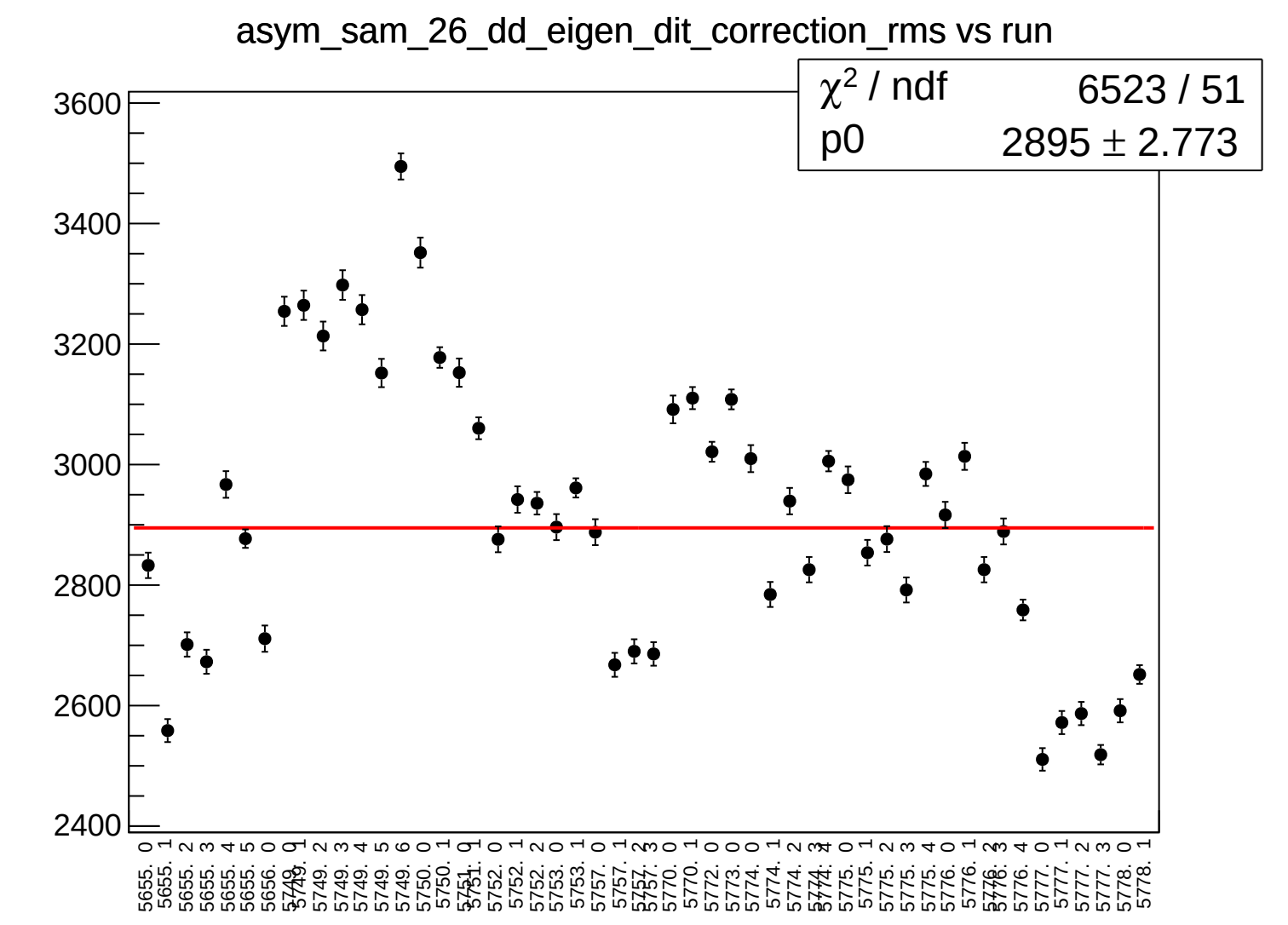
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 44.41 / 51
p0 1759 ± 3922
×10³
pull
Entries 52
Mean 551.7
Std Dev 0


pull1D
Entries 52
Mean −0.002813
Std Dev 0.9242


asym_sam_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 6523 / 51
p0 2895 ± 2.773
3600
3400
3200
3000
2800
2600
2400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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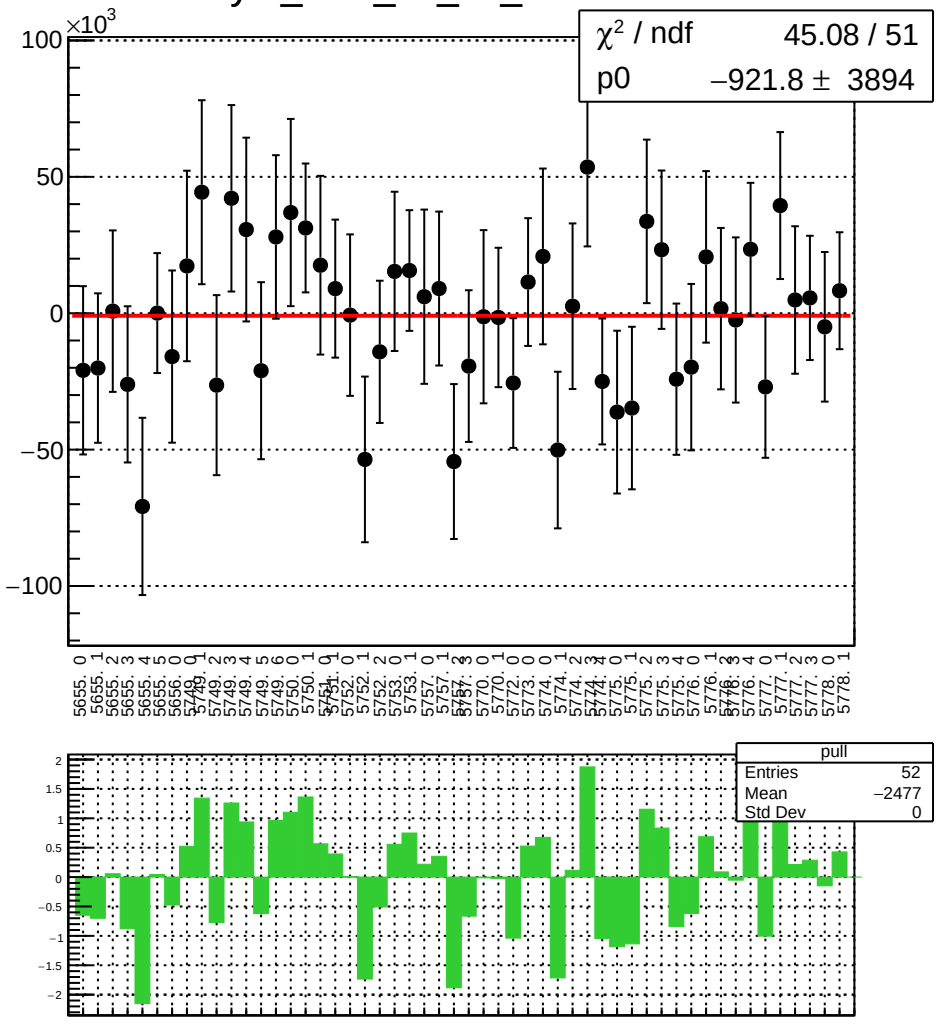
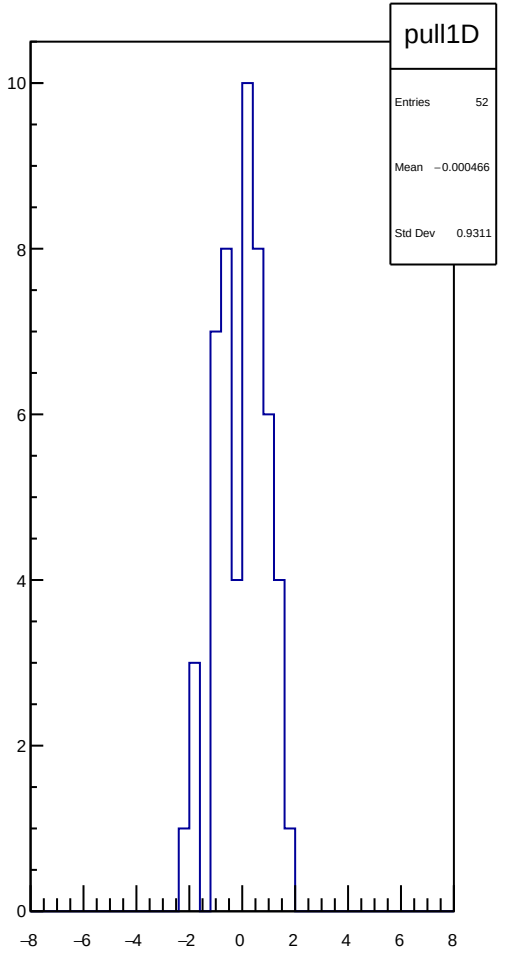
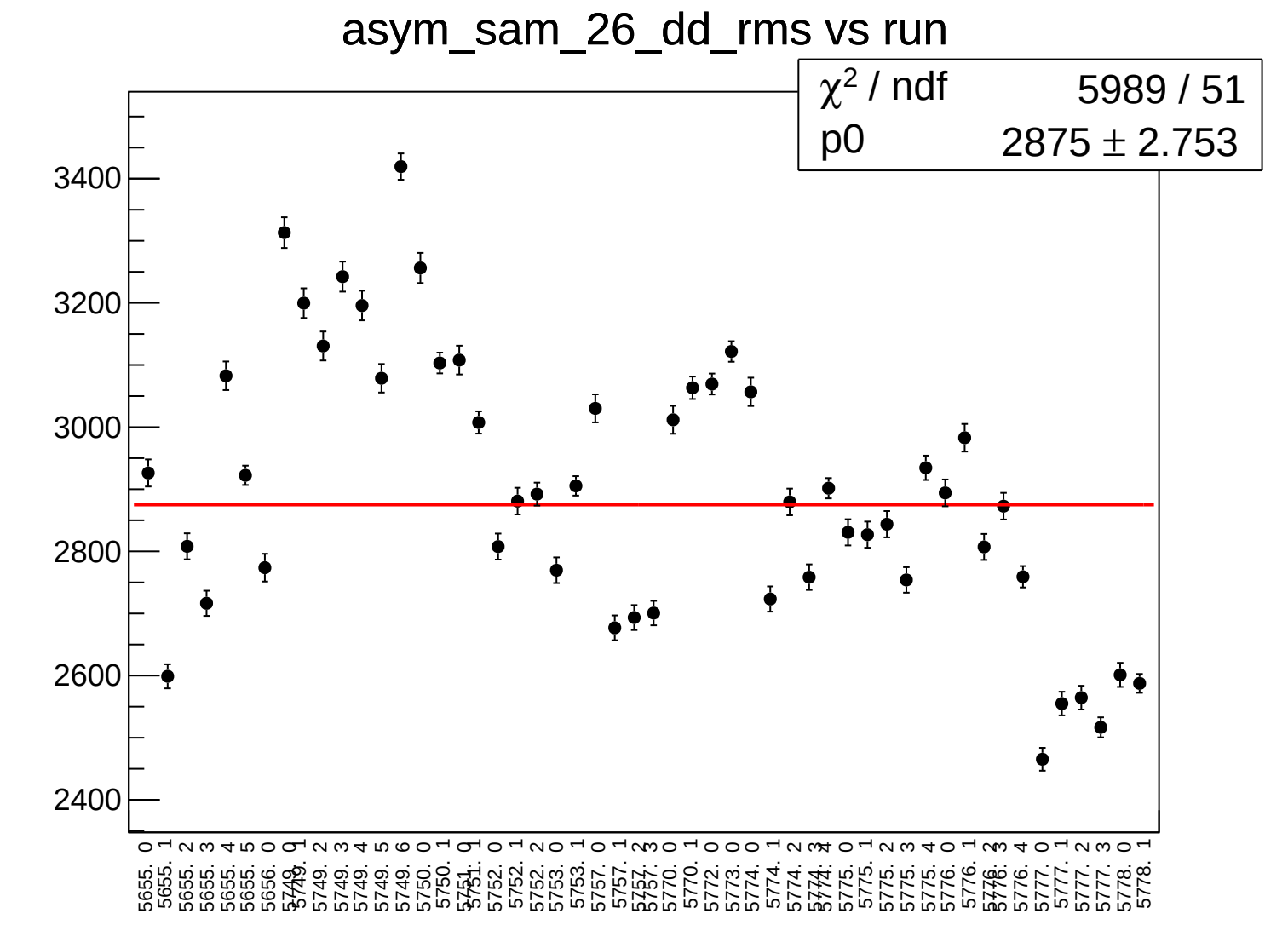
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_26_dd_mean vs run
χ² / ndf 45.08 / 51
p0 −921.8 ± 3894
×10³
pull
Entries 52
Mean −2477
Std Dev 0


pull1D
Entries 52
Mean −0.000466
Std Dev 0.9311


asym_sam_26_dd_rms vs run
χ² / ndf 5989 / 51
p0 2875 ± 2.753
3400
3200
3000
2800
2600
2400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
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5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5777. 2
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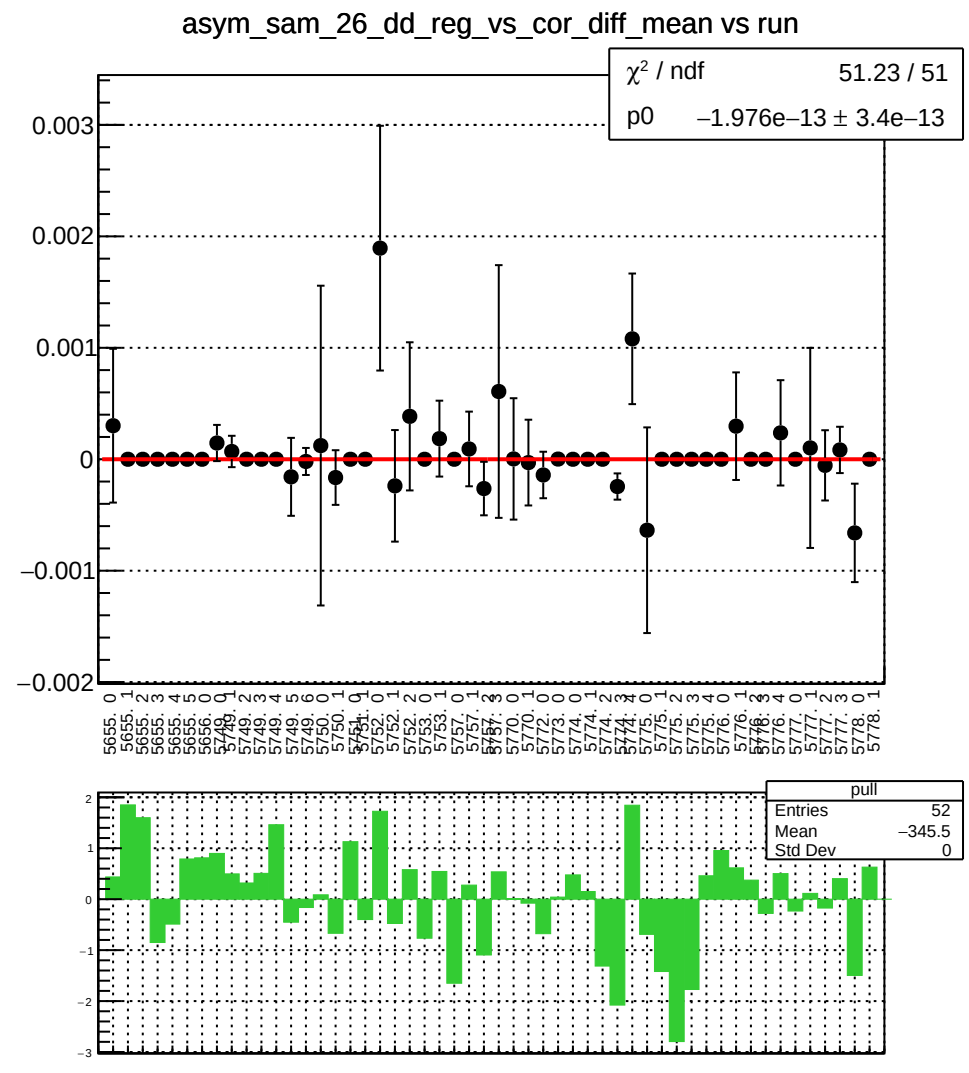
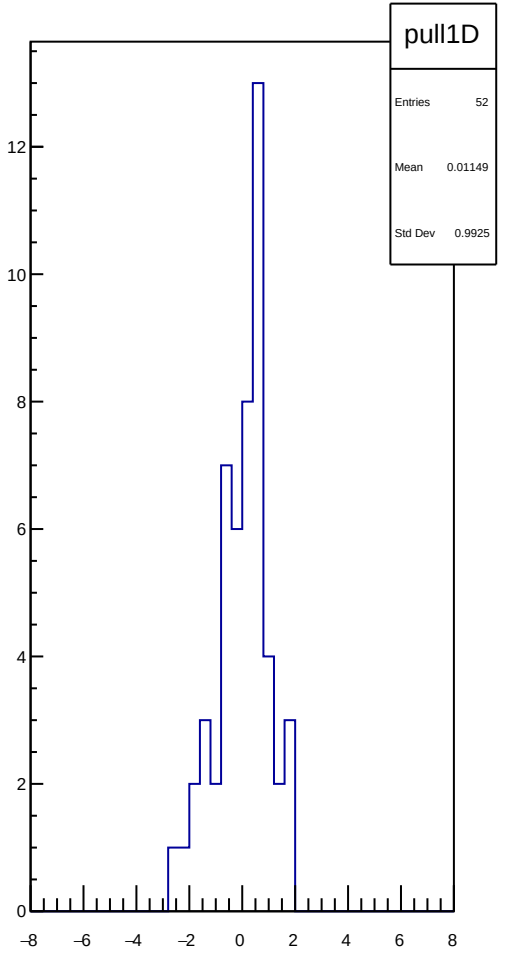
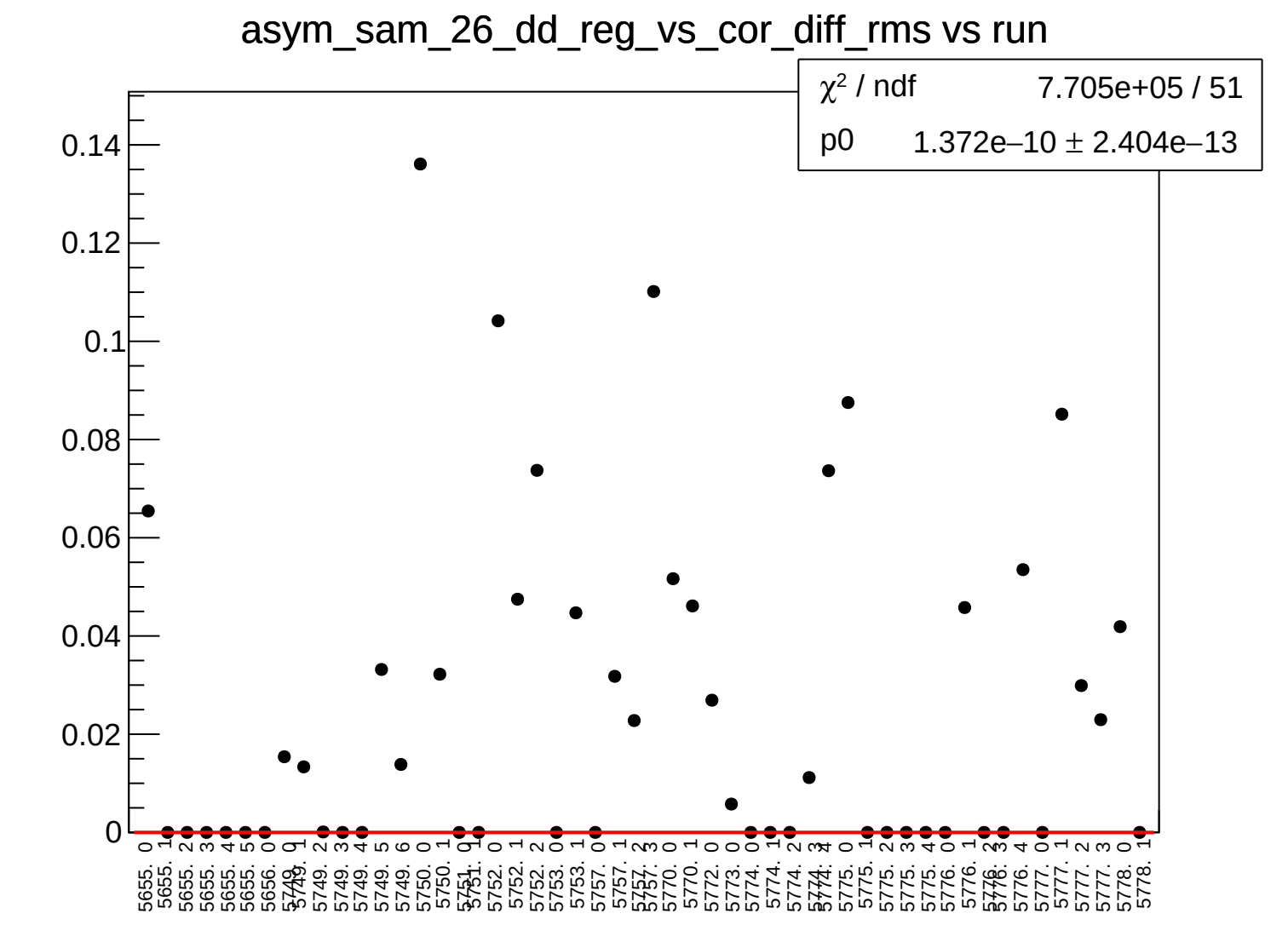
5778. 1


asym_sam_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 51.23 / 51
p0 −1.976e−13 ± 3.4e−13
0.003
0.002
0.001
0
−0.001
−0.002
pull
Entries 52
Mean −345.5
Std Dev 0


pull1D
Entries 52
Mean 0.01149
Std Dev 0.9925


asym_sam_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.705e+05 / 51
p0 1.372e−10 ± 2.404e−13
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
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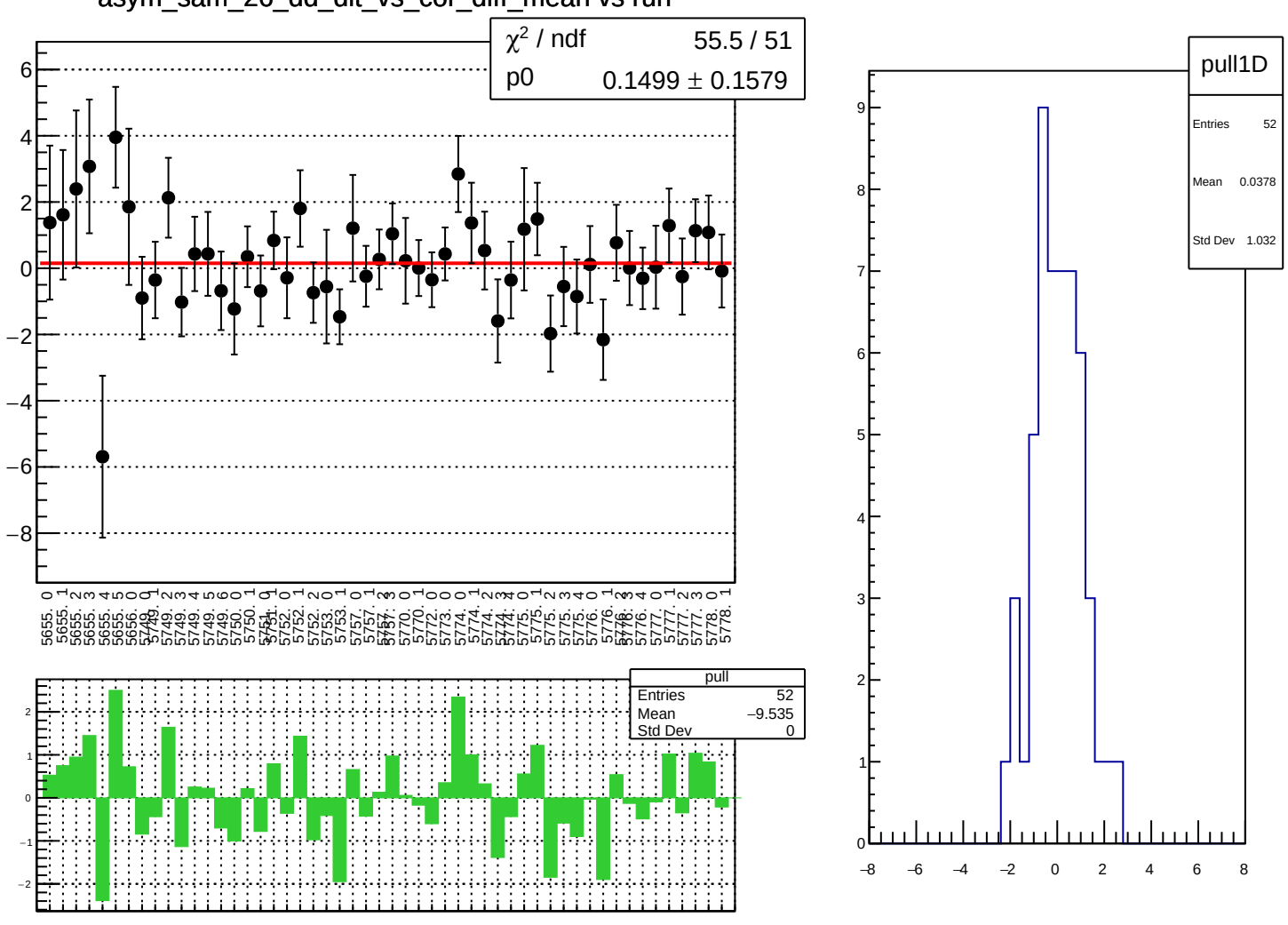
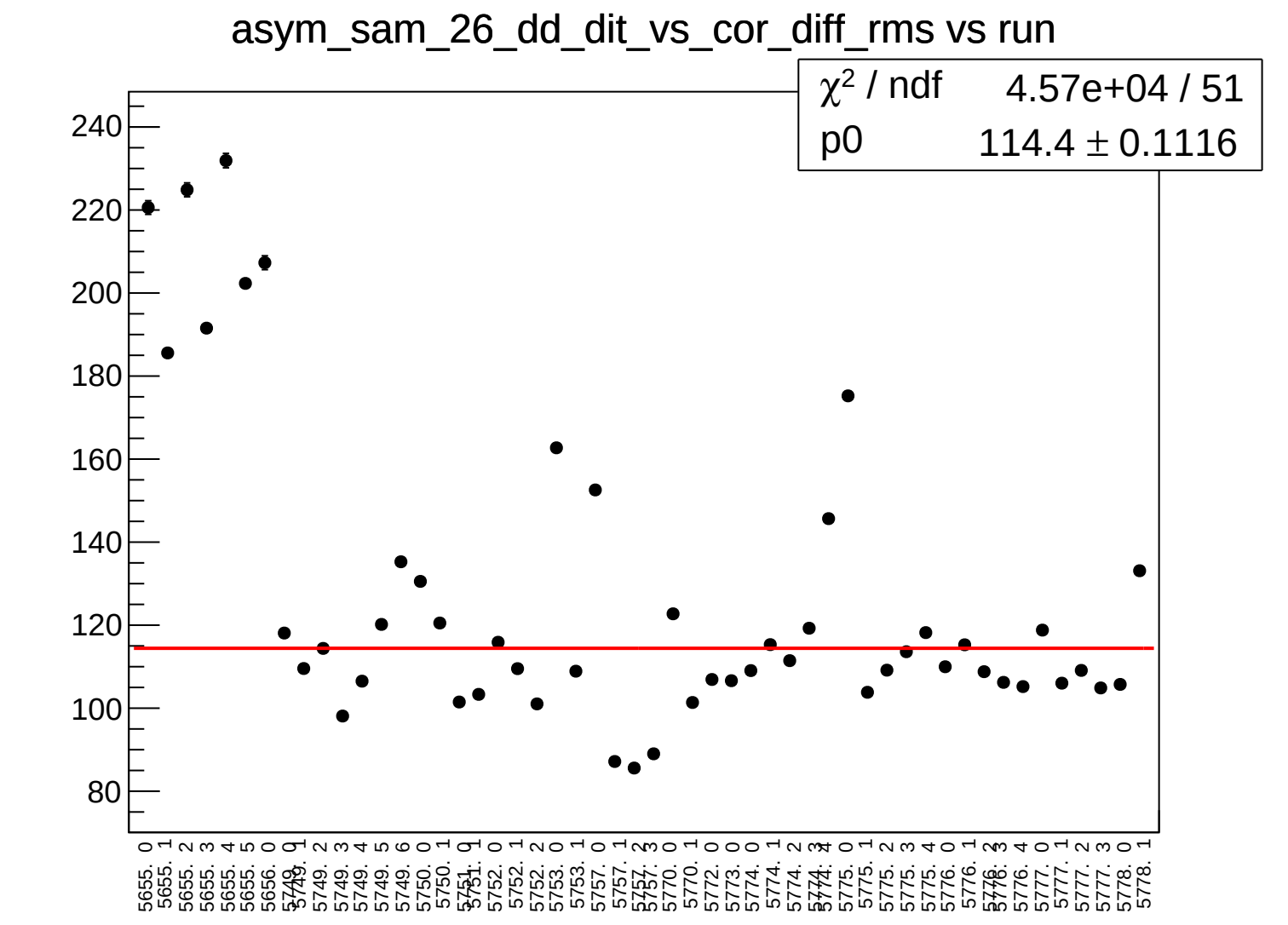

asym_sam_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 55.5 / 51
p0 0.1499 ± 0.1579
pull
Entries 52
Mean −9.535
Std Dev 0
pull1D
Entries 52
Mean 0.0378
Std Dev 1.032


asym_sam_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.57e+04 / 51
p0 114.4 ± 0.1116
240
220
200
180
160
140
120
100
80
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
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5751. 1
5752. 0
5752. 1
5752. 2
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5753. 1
5757. 0
5757. 1
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5772. 0
5773. 0
5774. 0
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5775. 3
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5777. 1
5777. 2
5777. 3
5778. 0
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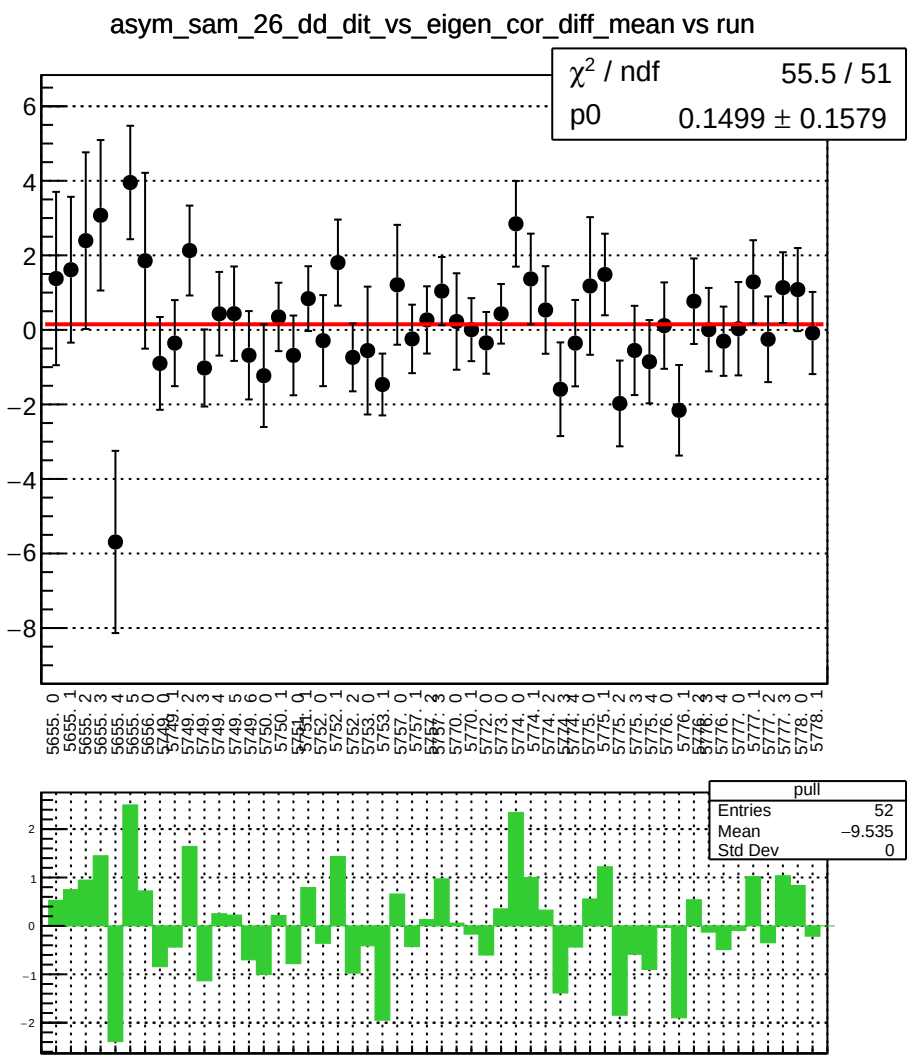
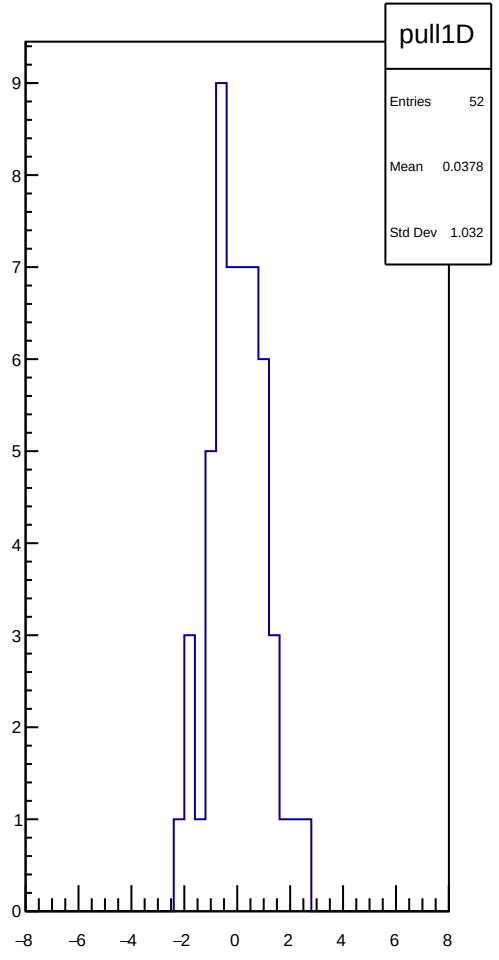
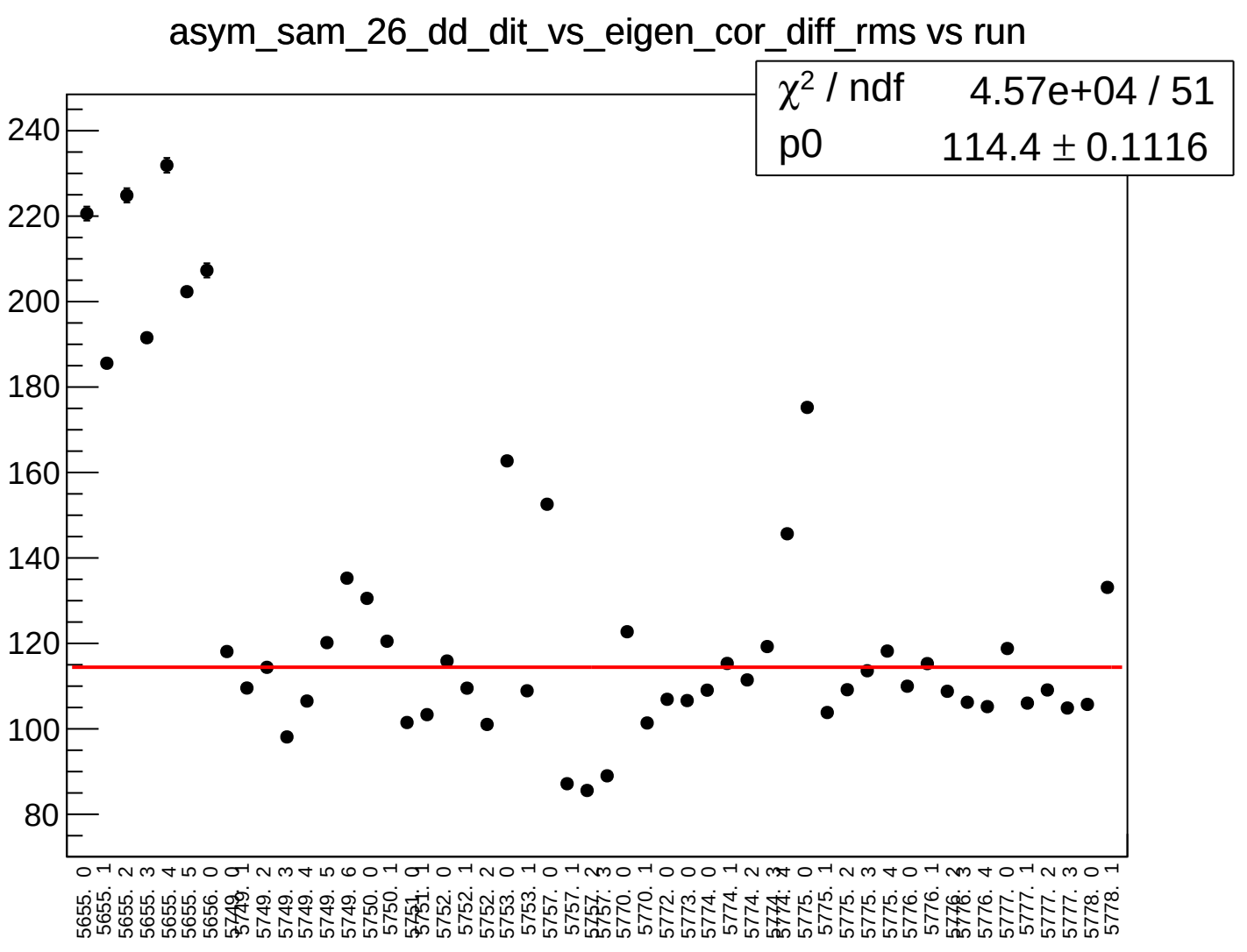

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.5 / 51
p0 0.1499 ± 0.1579
pull
Entries 52
Mean −9.535
Std Dev 0


pull1D
Entries 52
Mean 0.0378
Std Dev 1.032


asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.57e+04 / 51
p0 114.4 ± 0.1116
240
220
200
180
160
140
120
100
80
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
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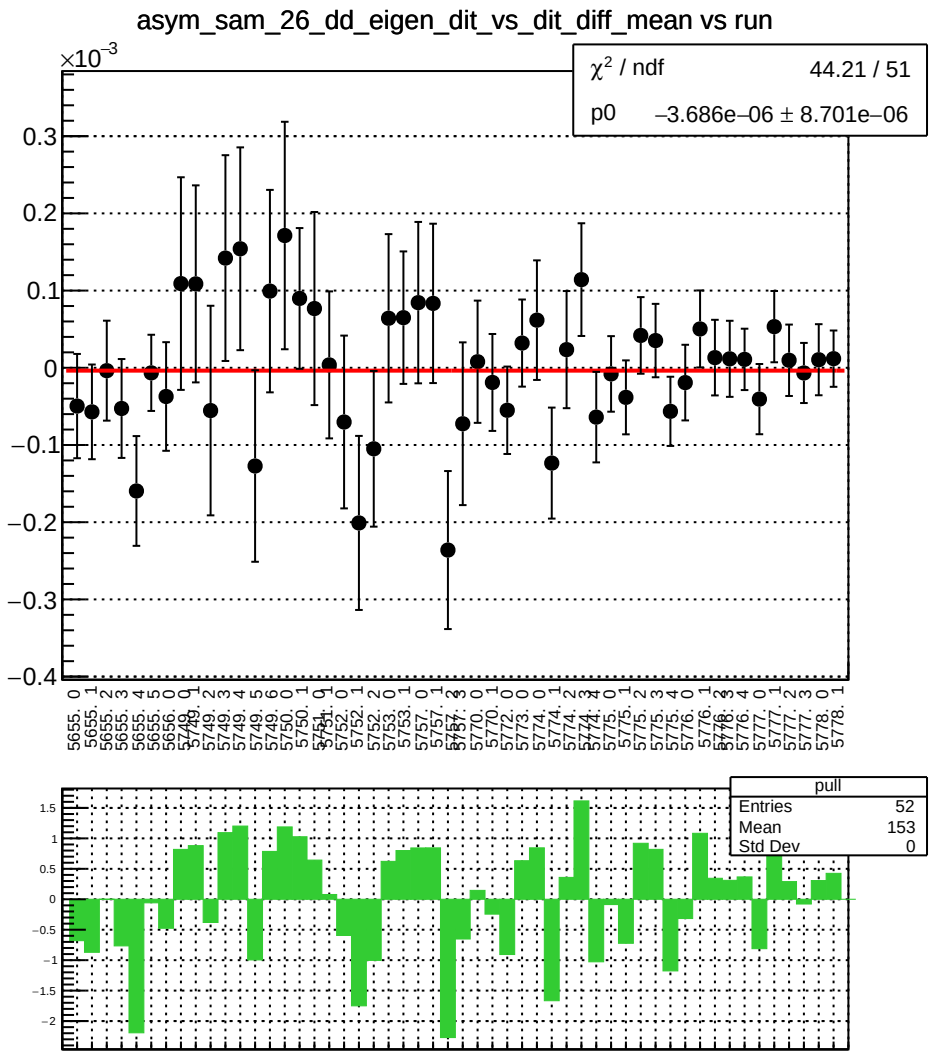
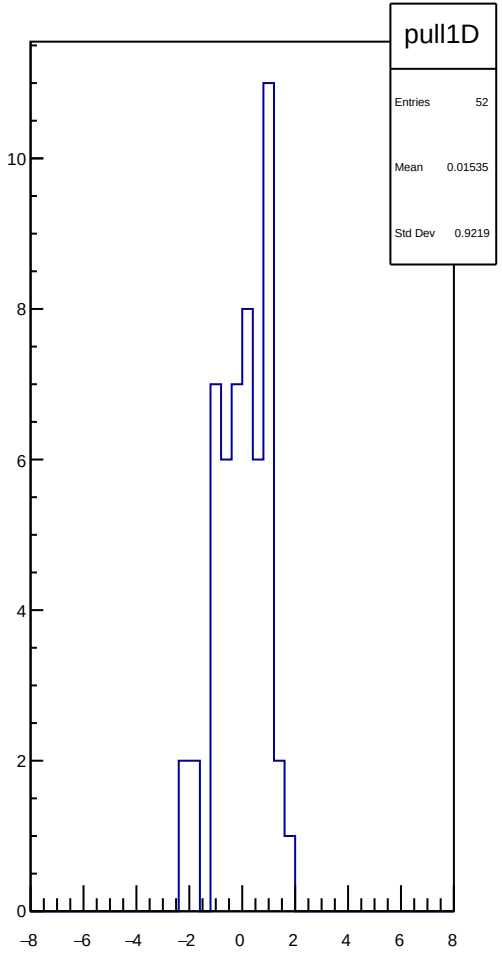
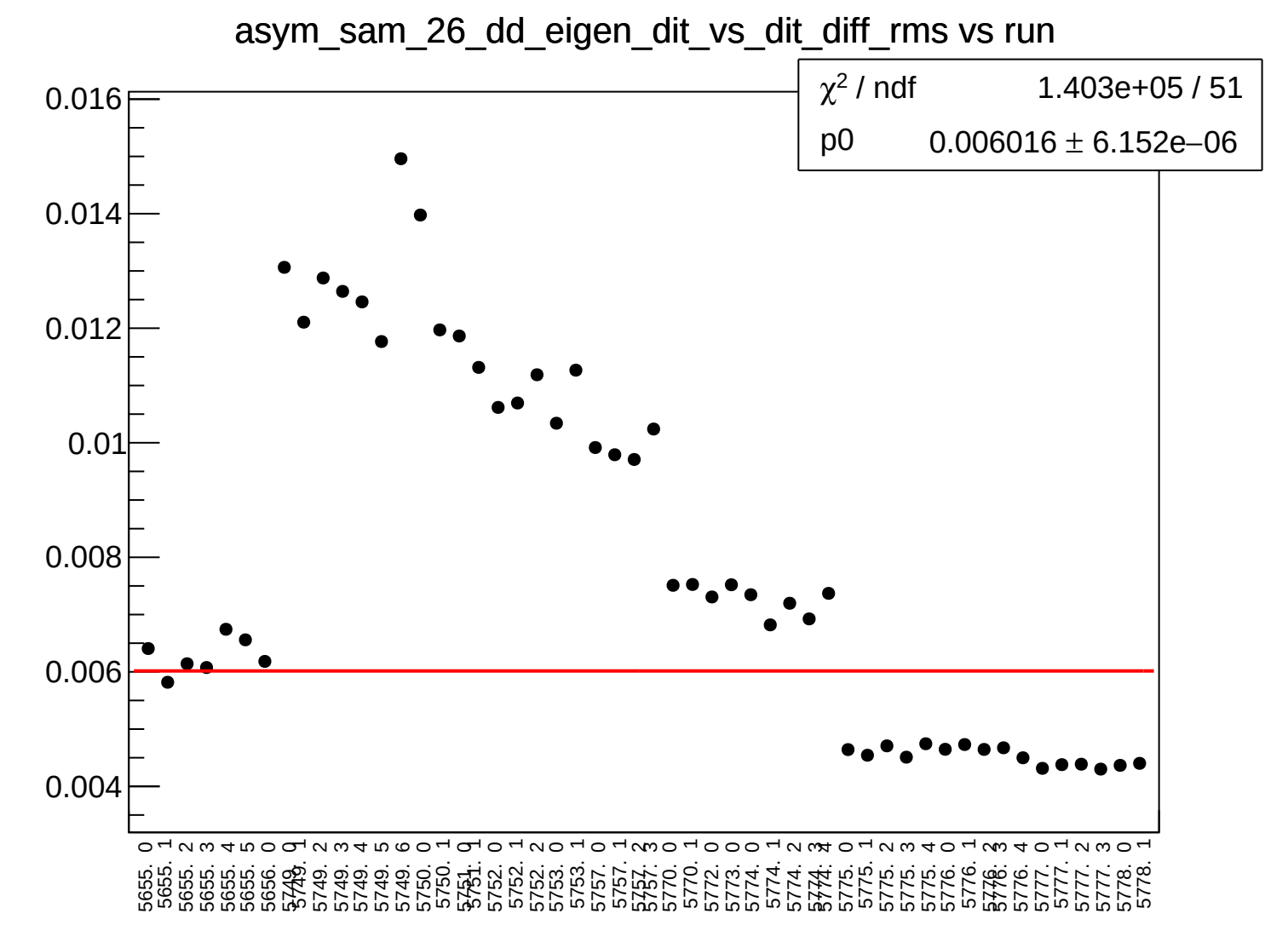
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 44.21 / 51
p0 −3.686e−06 ± 8.701e−06
pull
Entries 52
Mean 153
Std Dev 0


pull1D
Entries 52
Mean 0.01535
Std Dev 0.9219


asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.403e+05 / 51
p0 0.006016 ± 6.152e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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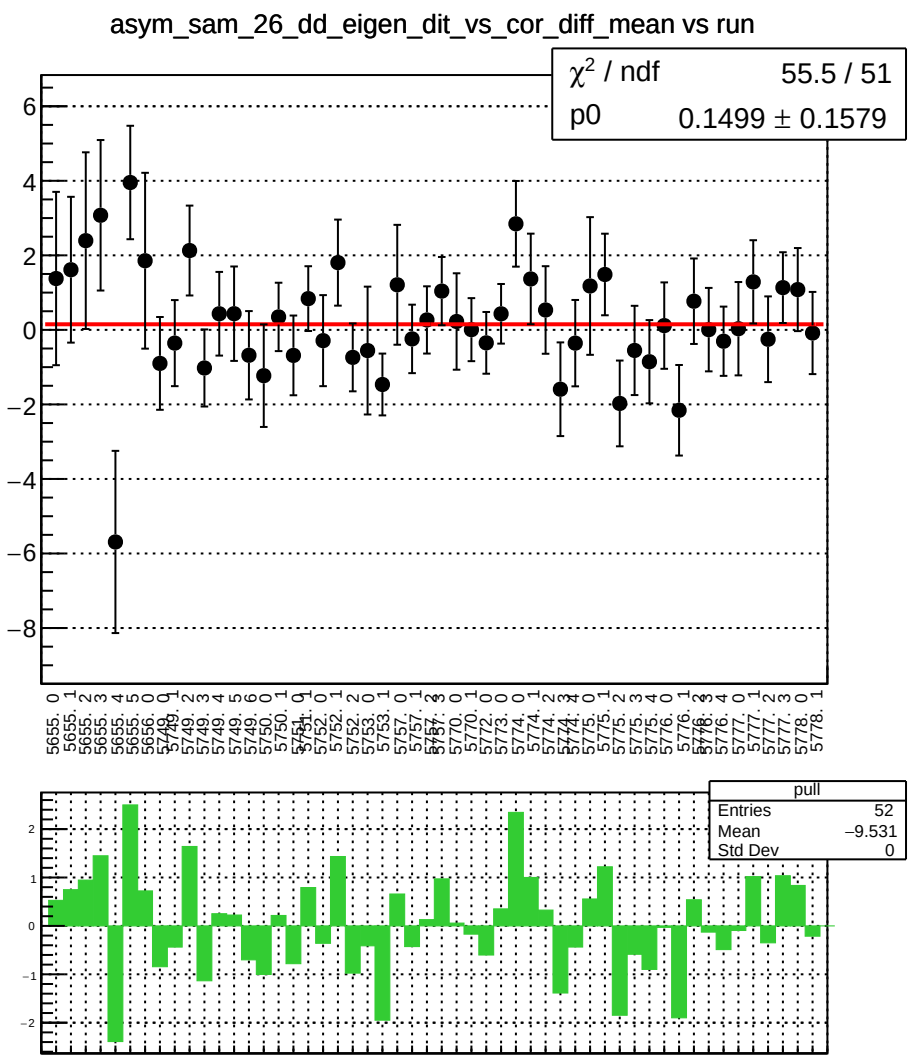
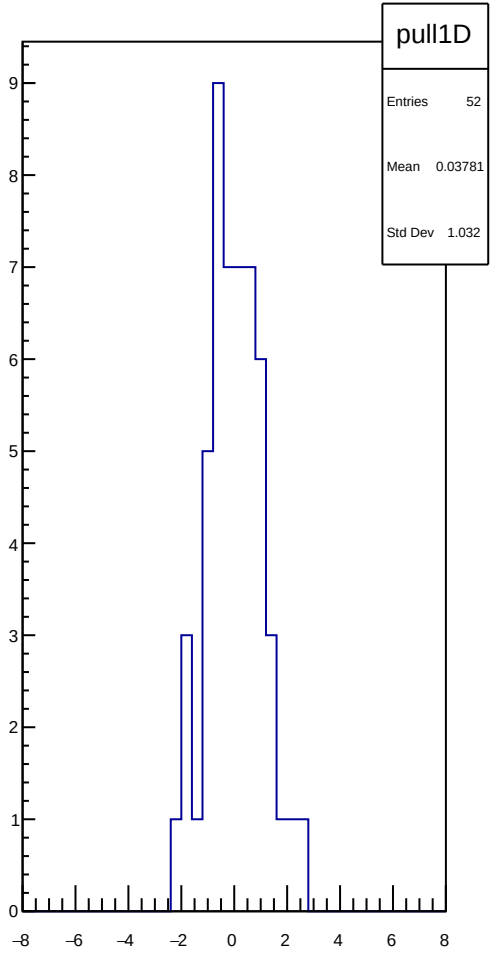
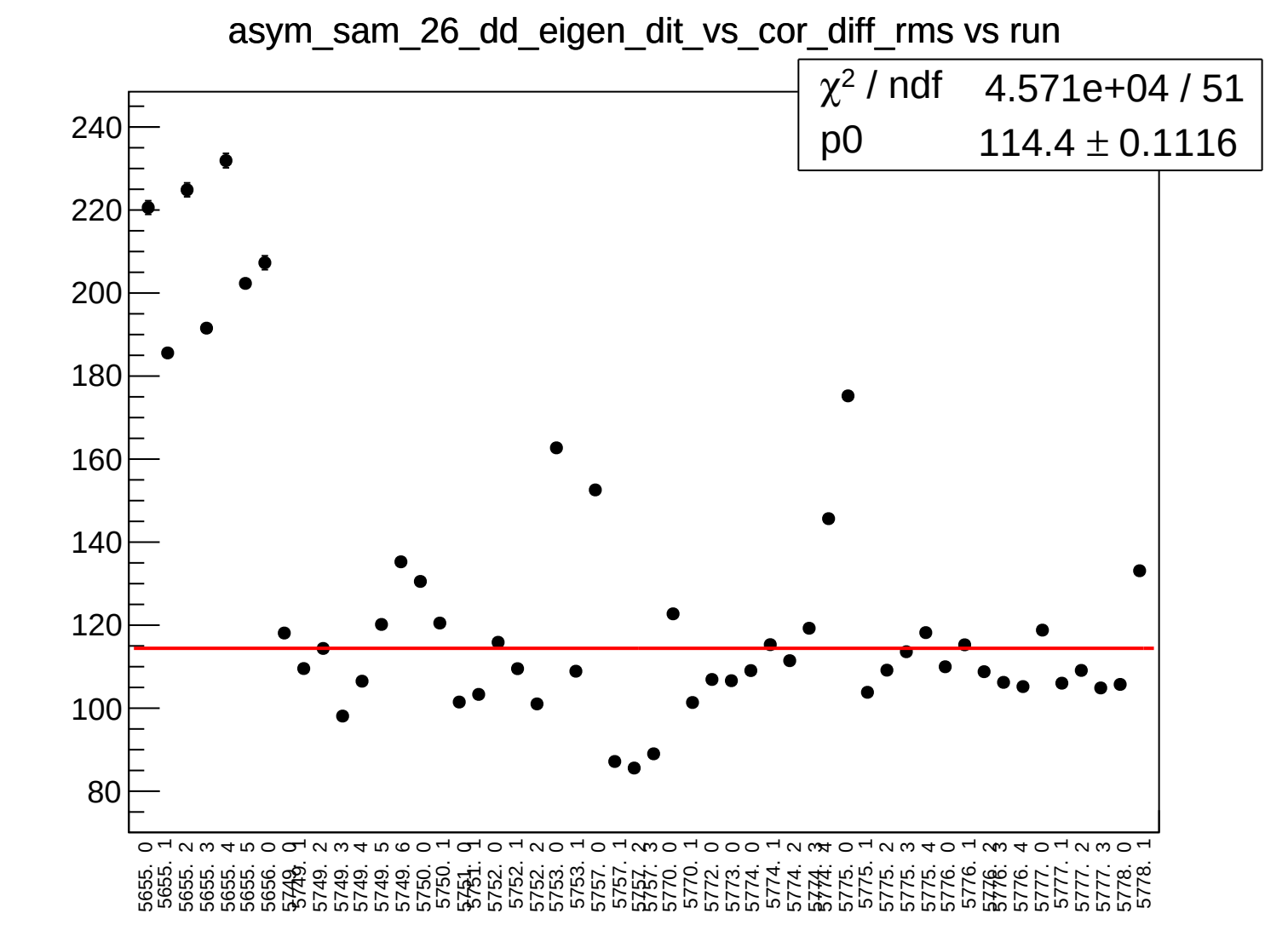
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.5 / 51
p0 0.1499 ± 0.1579
pull
Entries 52
Mean −9.531
Std Dev 0


pull1D
Entries 52
Mean 0.03781
Std Dev 1.032


asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.571e+04 / 51
p0 114.4 ± 0.1116
240
220
200
180
160
140
120
100
80
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
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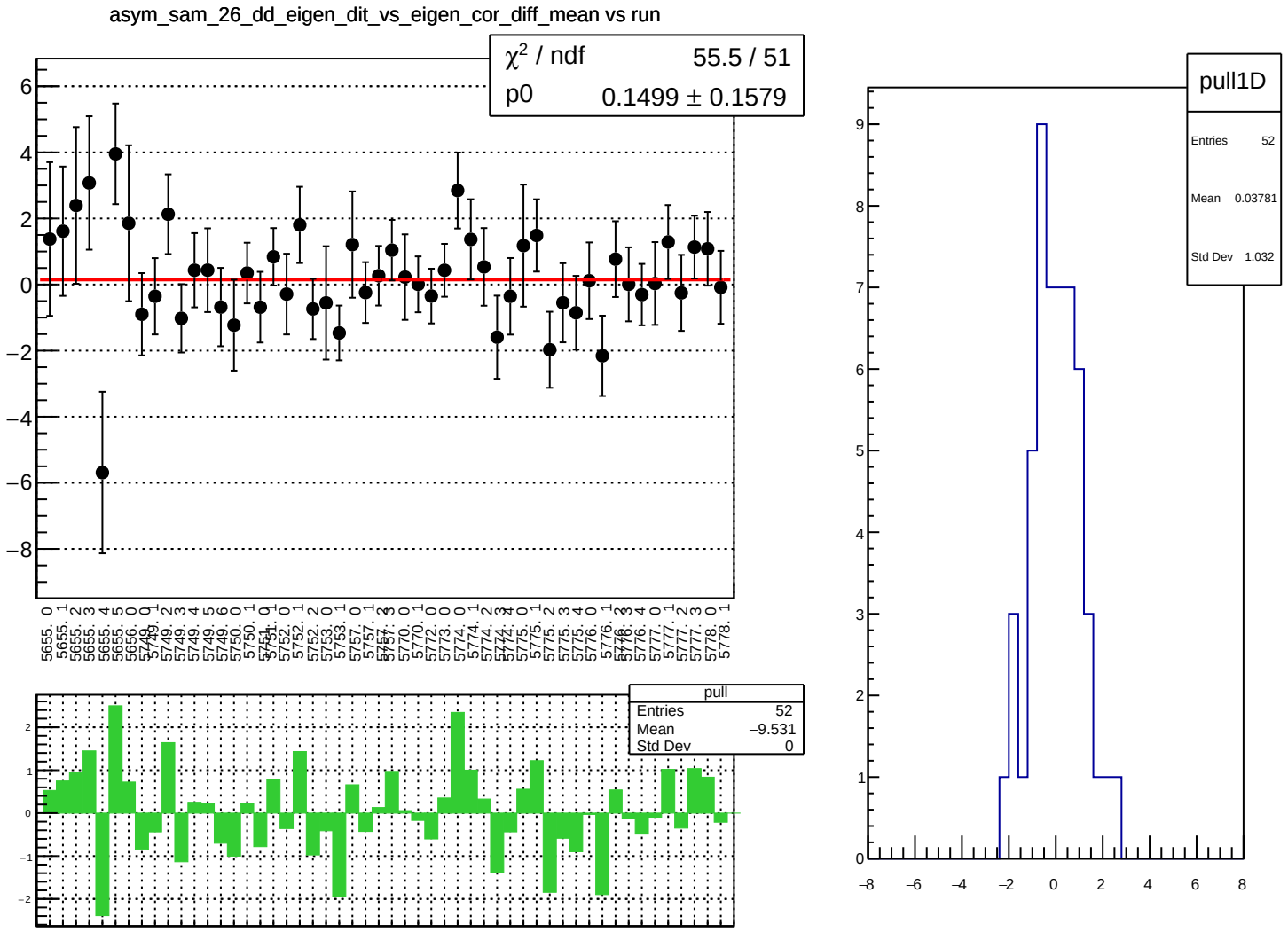
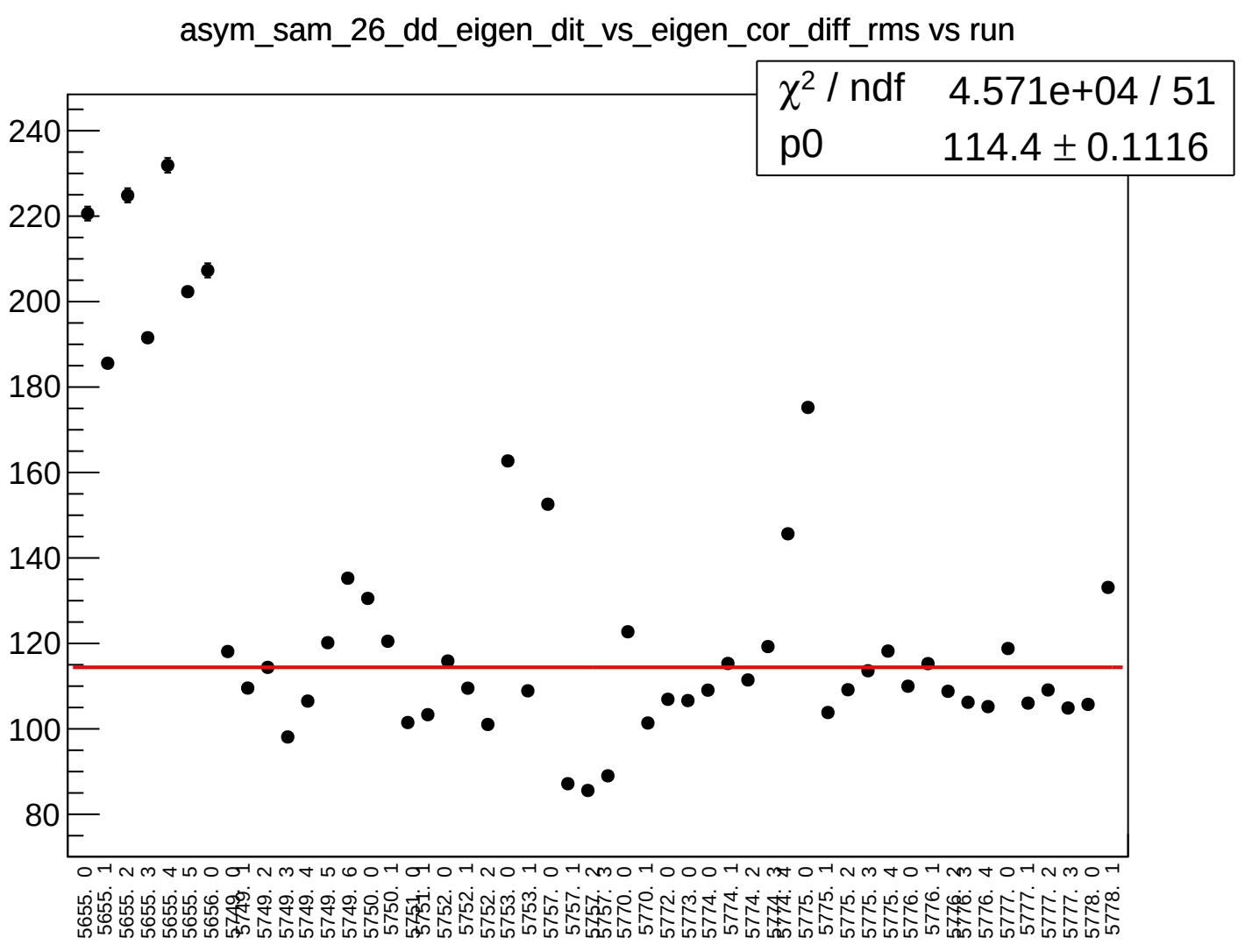
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.5 / 51
p0 0.1499 ± 0.1579
pull
Entries 52
Mean −9.531
Std Dev 0
pull1D
Entries 52
Mean 0.03781
Std Dev 1.032


asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.571e+04 / 51
p0 114.4 ± 0.1116
240
220
200
180
160
140
120
100
80
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
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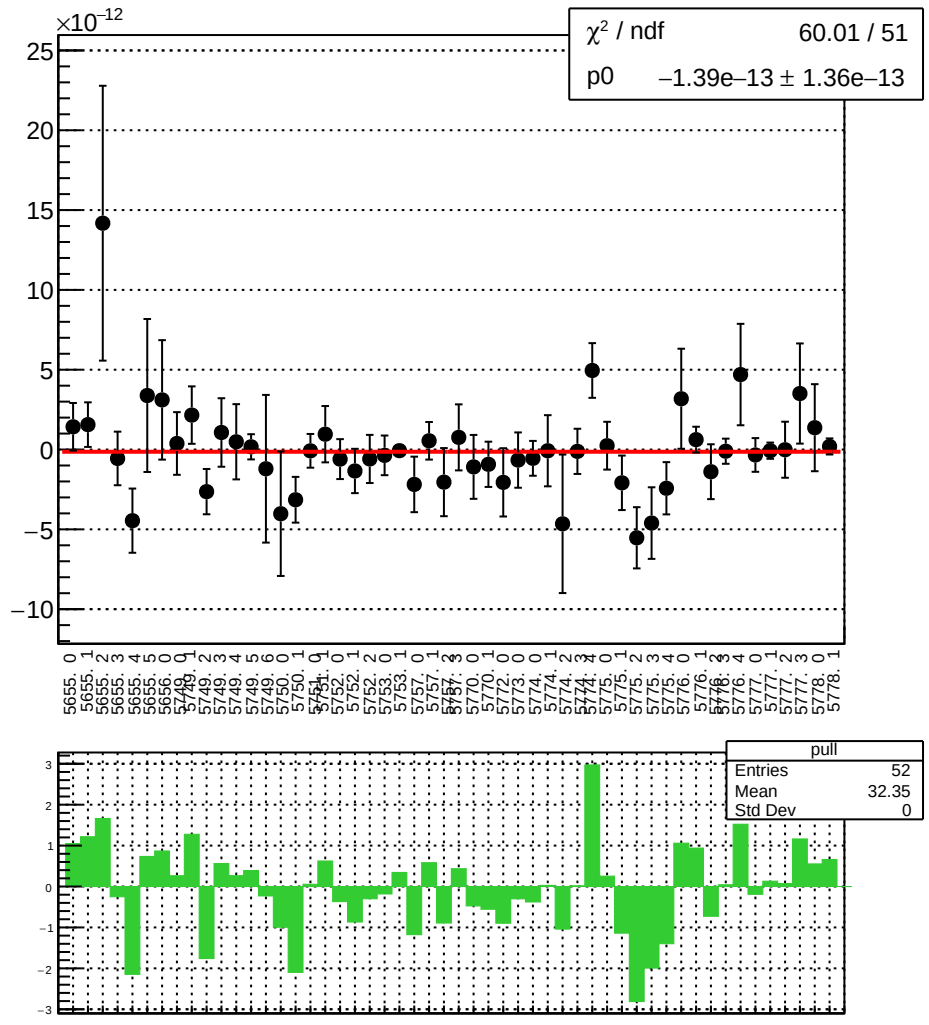
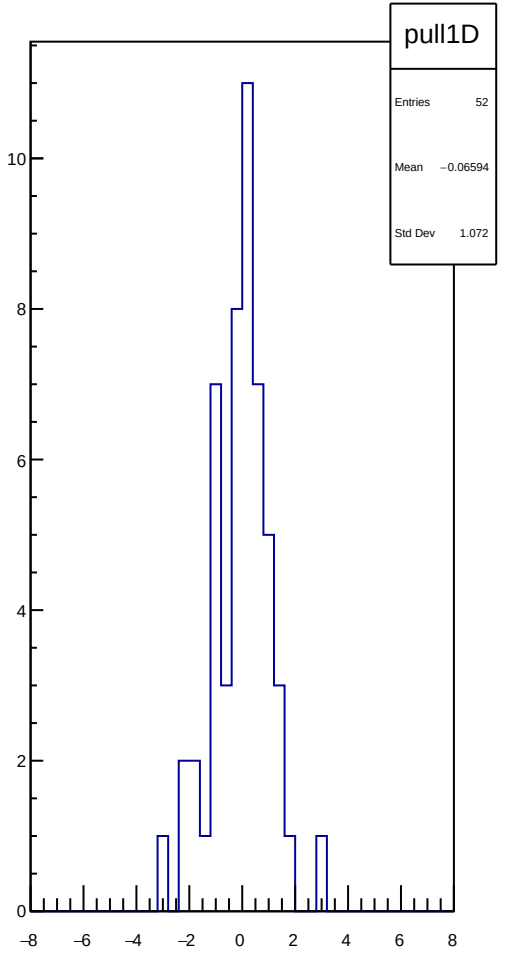
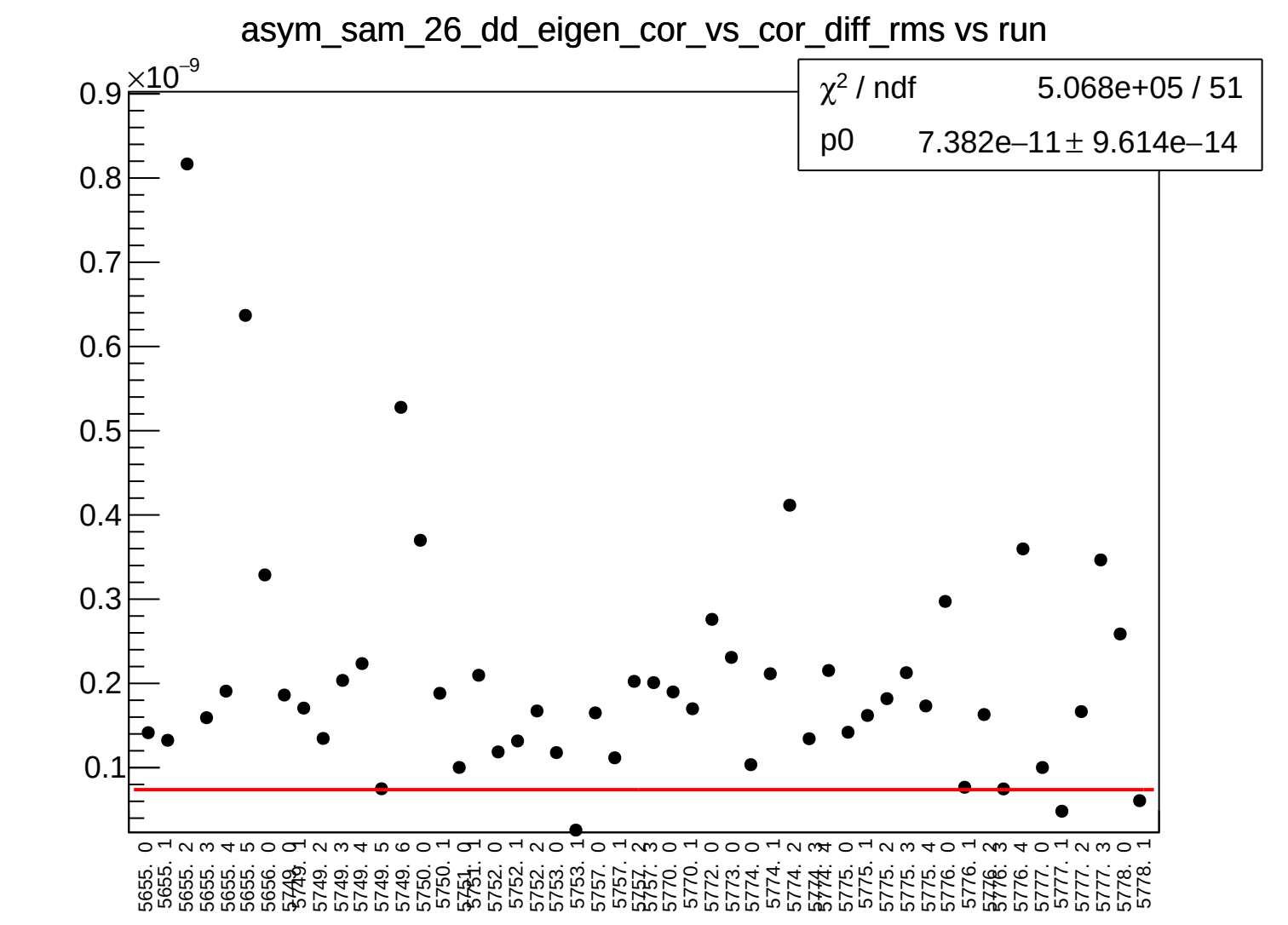
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 60.01 / 51
p0 −1.39e−13 ± 1.36e−13
pull
Entries 52
Mean 32.35
Std Dev 0


pull1D
Entries 52
Mean −0.06594
Std Dev 1.072


asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.068e+05 / 51
p0 7.382e−11 ± 9.614e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
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5774. 1
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5774. 3
5774. 4
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5777. 1
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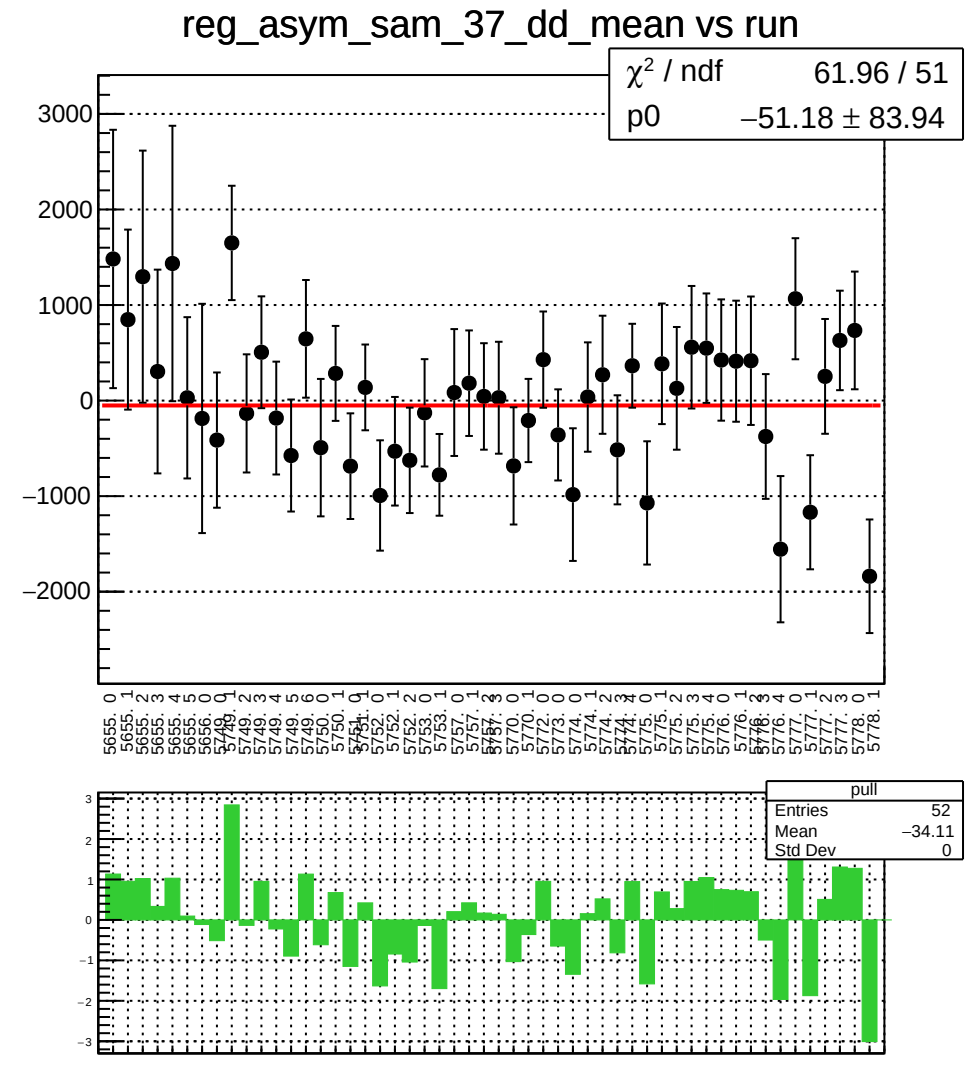
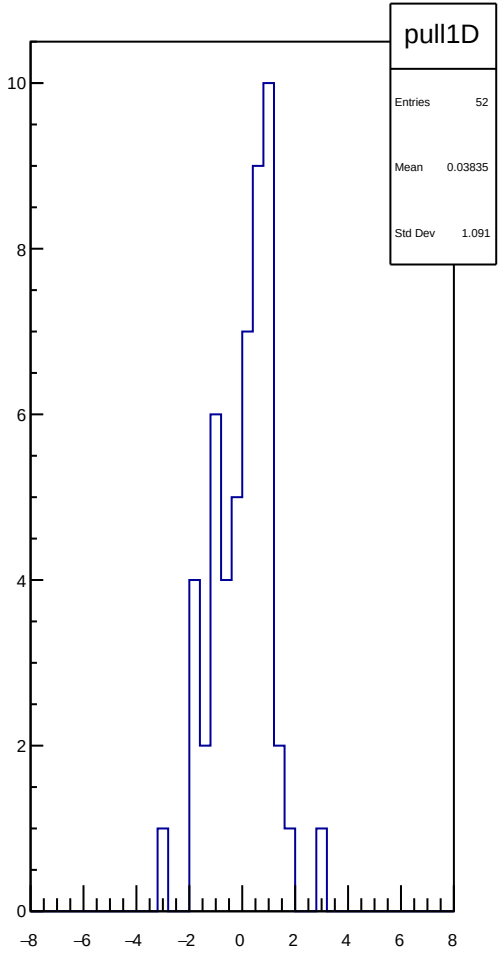
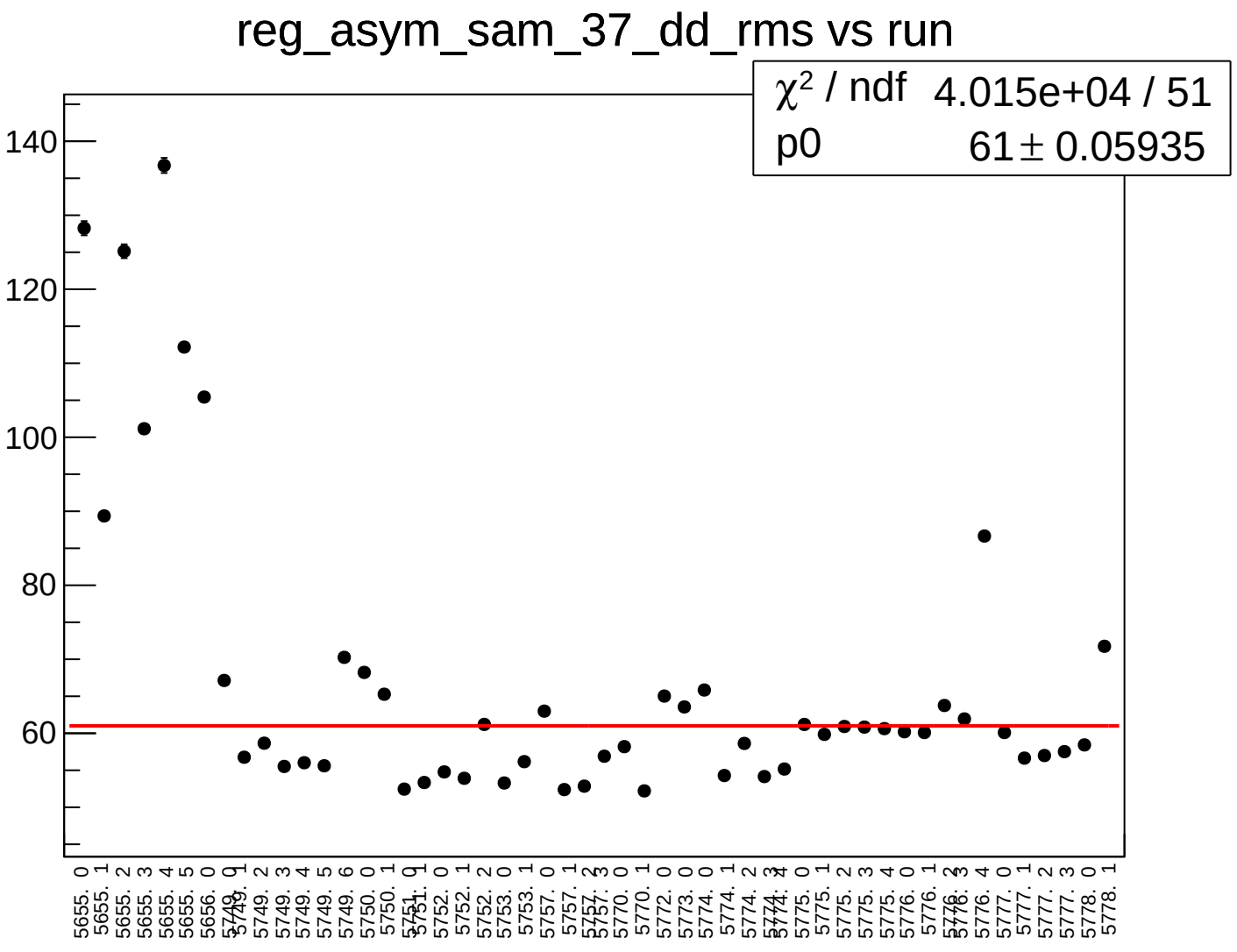

reg_asym_sam_37_dd_mean vs run
χ² / ndf 61.96 / 51
p0 −51.18 ± 83.94
pull
Entries 52
Mean −34.11
Std Dev 0


pull1D
Entries 52
Mean 0.03835
Std Dev 1.091


reg_asym_sam_37_dd_rms vs run
χ² / ndf 4.015e+04 / 51
p0 61 ± 0.05935
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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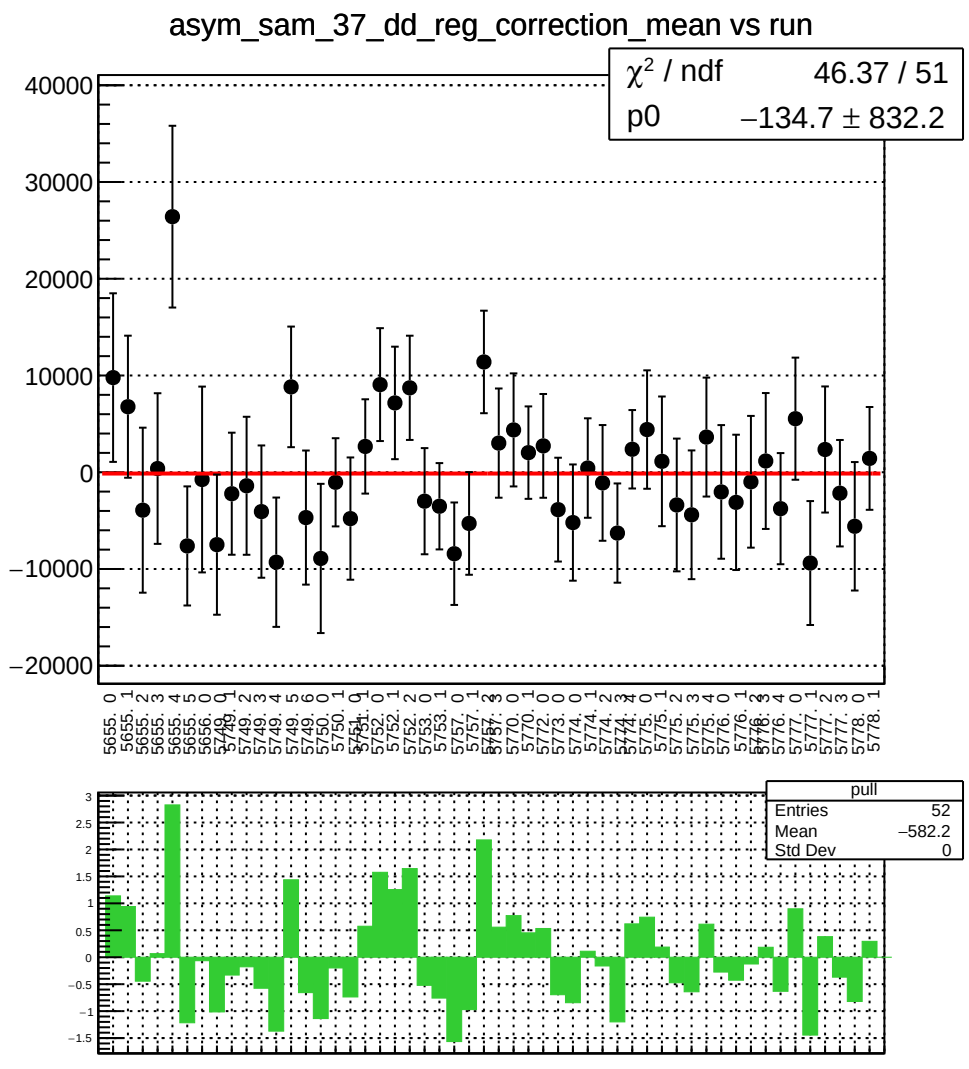
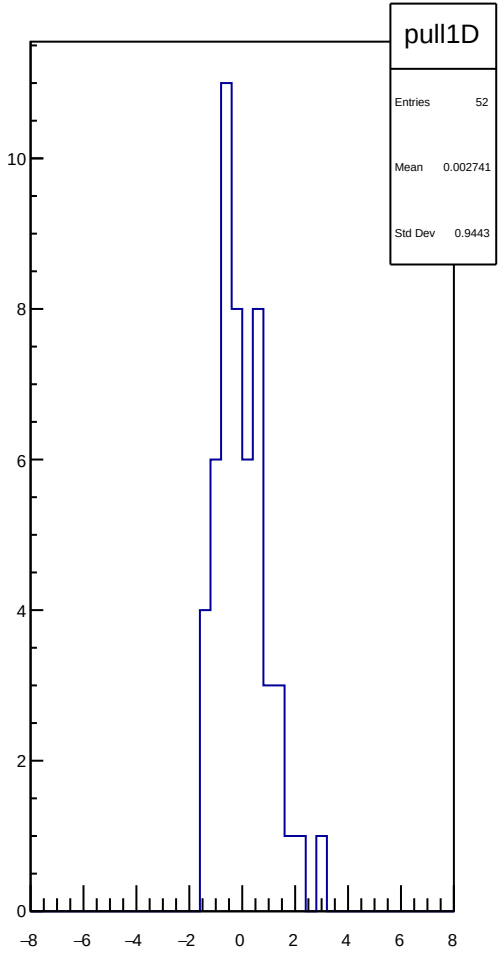
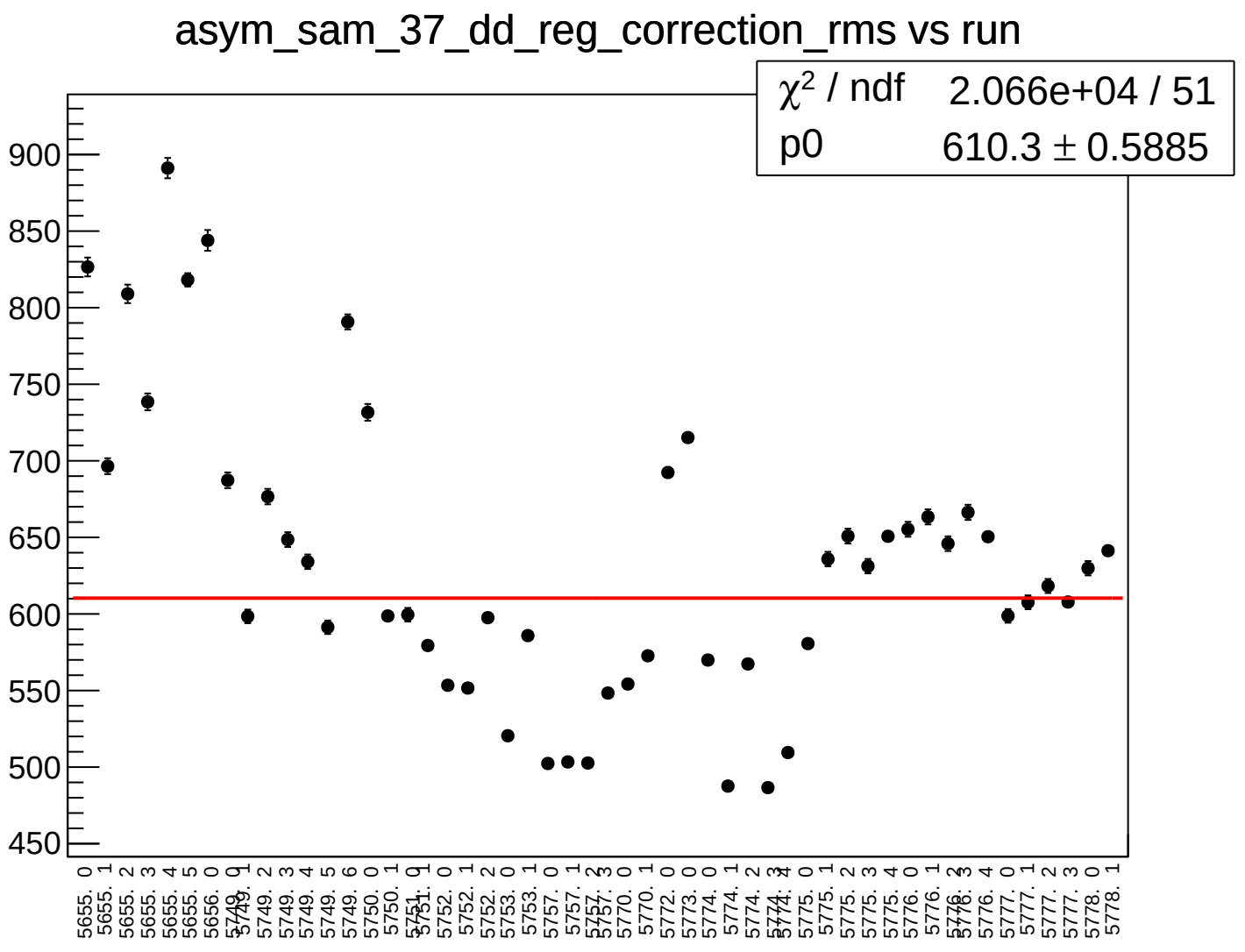
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_37_dd_reg_correction_mean vs run
χ² / ndf 46.37 / 51
p0 −134.7 ± 832.2
pull
Entries 52
Mean −582.2
Std Dev 0


pull1D
Entries 52
Mean 0.002741
Std Dev 0.9443


asym_sam_37_dd_reg_correction_rms vs run
χ² / ndf 2.066e+04 / 51
p0 610.3 ± 0.5885
900
850
800
750
700
650
600
550
500
450
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
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5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
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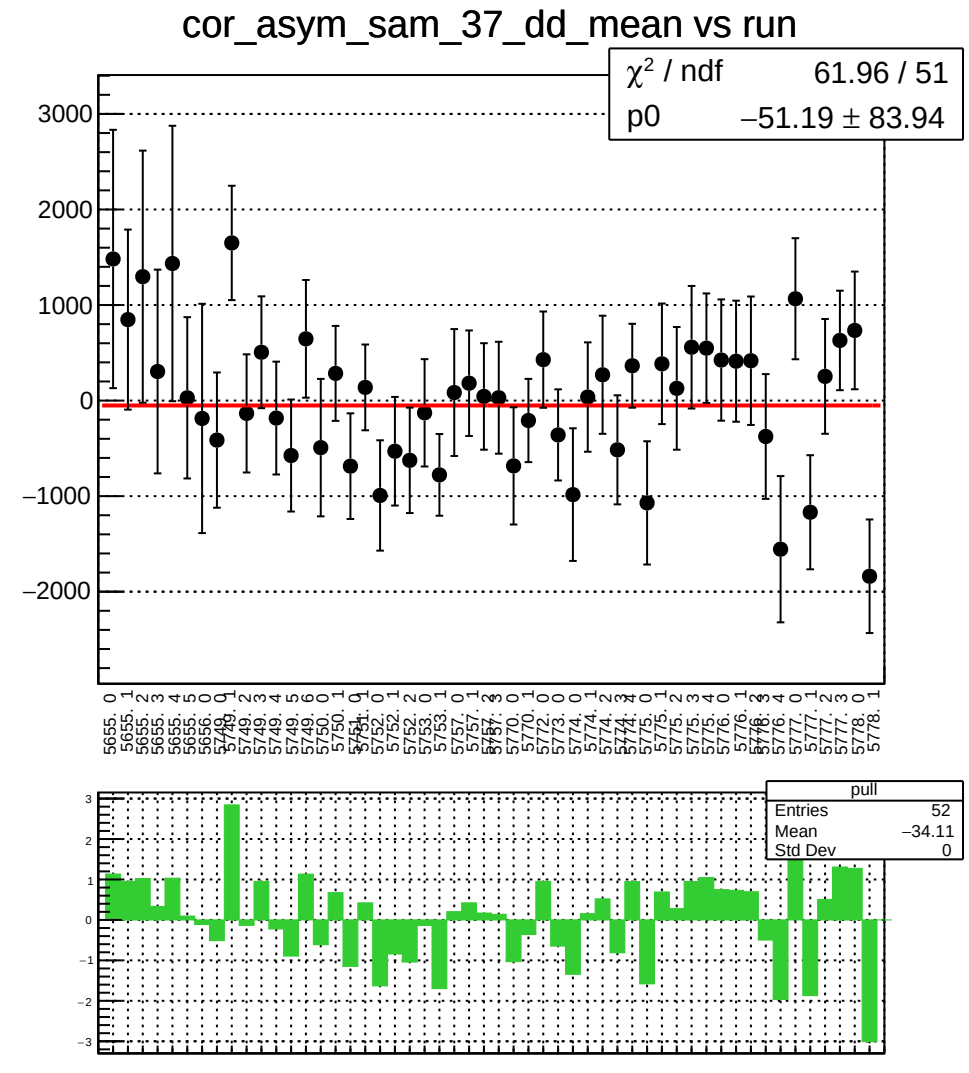
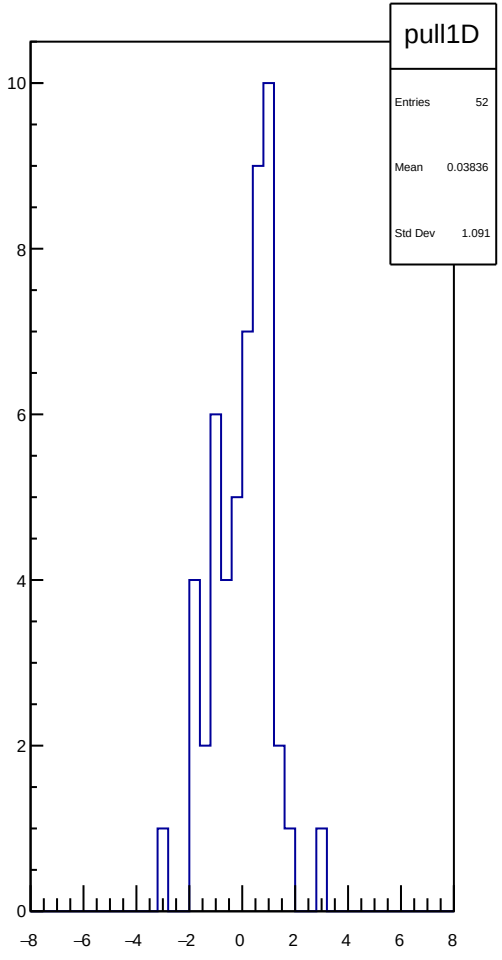
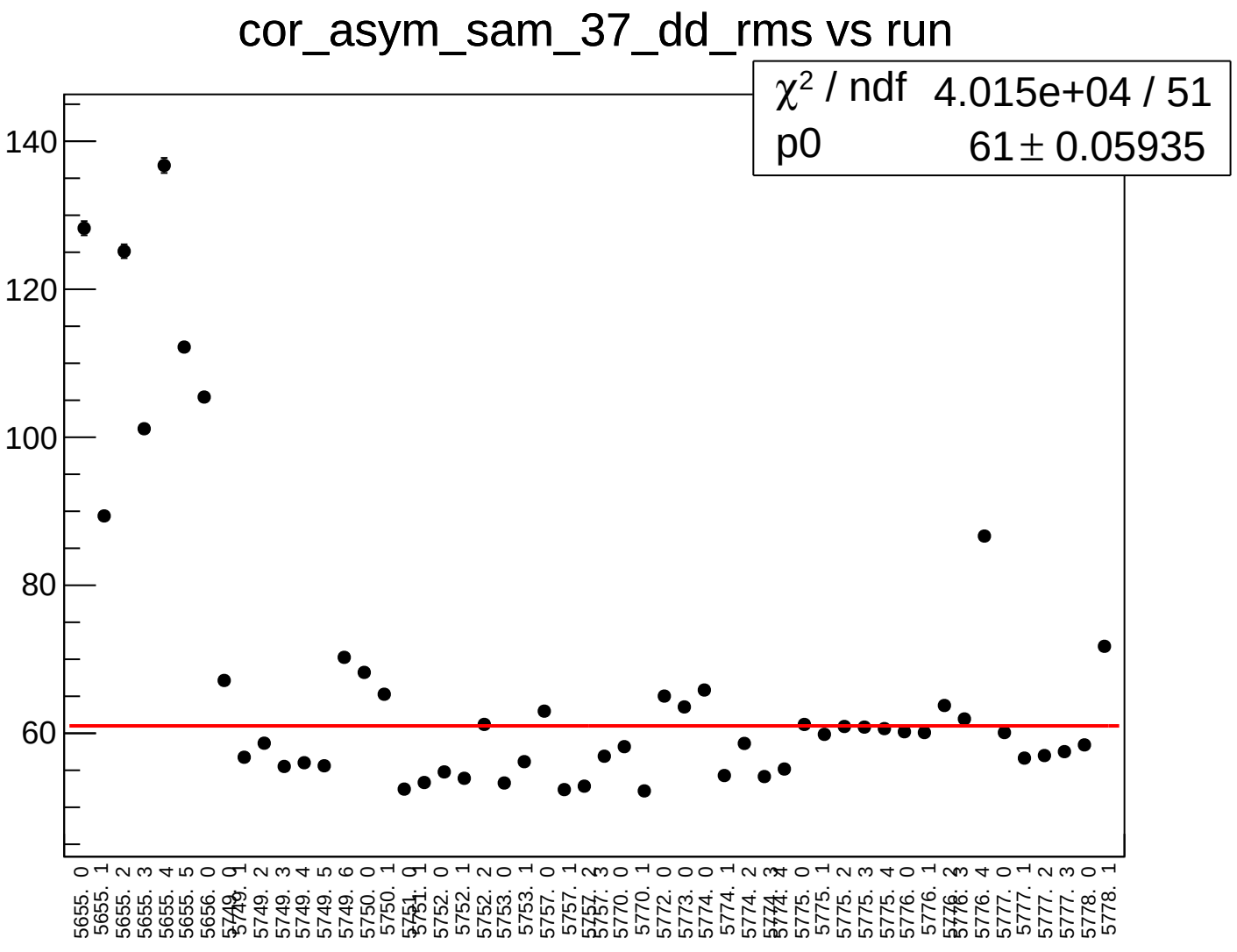
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_sam_37_dd_mean vs run
χ² / ndf 61.96 / 51
p0 −51.19 ± 83.94
pull
Entries 52
Mean −34.11
Std Dev 0


pull1D
Entries 52
Mean 0.03836
Std Dev 1.091


cor_asym_sam_37_dd_rms vs run
χ² / ndf 4.015e+04 / 51
p0 61 ± 0.05935
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
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5749. 6
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5750. 1
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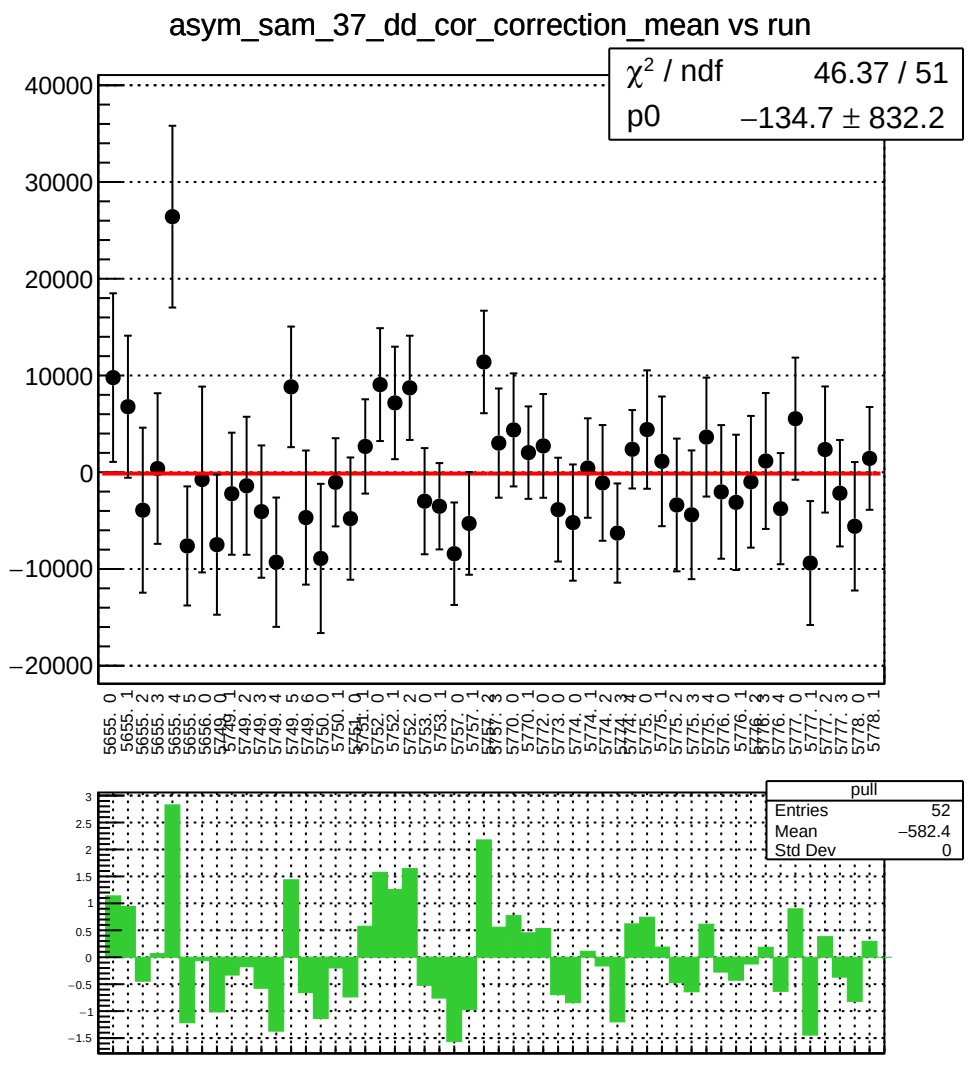
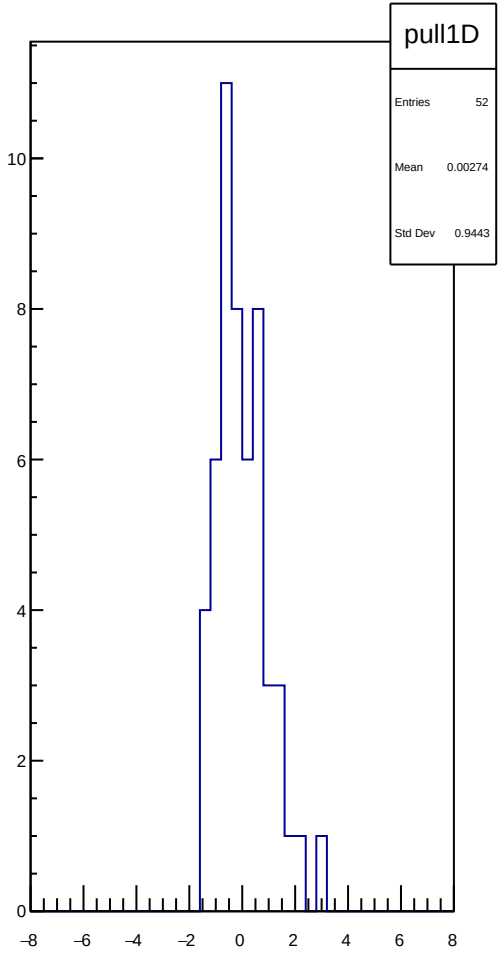
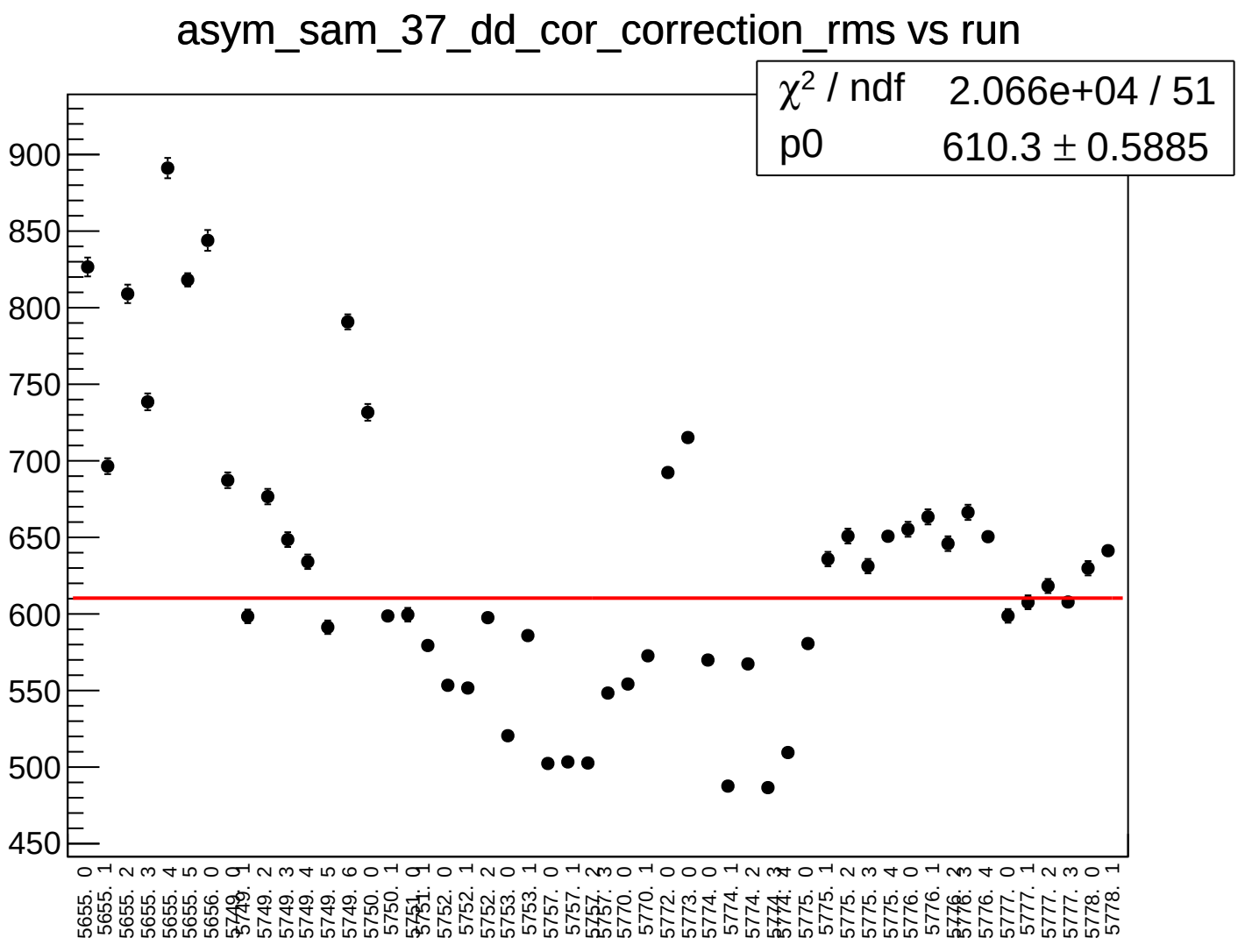

asym_sam_37_dd_cor_correction_mean vs run
χ² / ndf 46.37 / 51
p0 −134.7 ± 832.2
pull
Entries 52
Mean −582.4
Std Dev 0


pull1D
Entries 52
Mean 0.00274
Std Dev 0.9443


asym_sam_37_dd_cor_correction_rms vs run
χ² / ndf 2.066e+04 / 51
p0 610.3 ± 0.5885
900
850
800
750
700
650
600
550
500
450
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
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5749. 4
5749. 5
5749. 6
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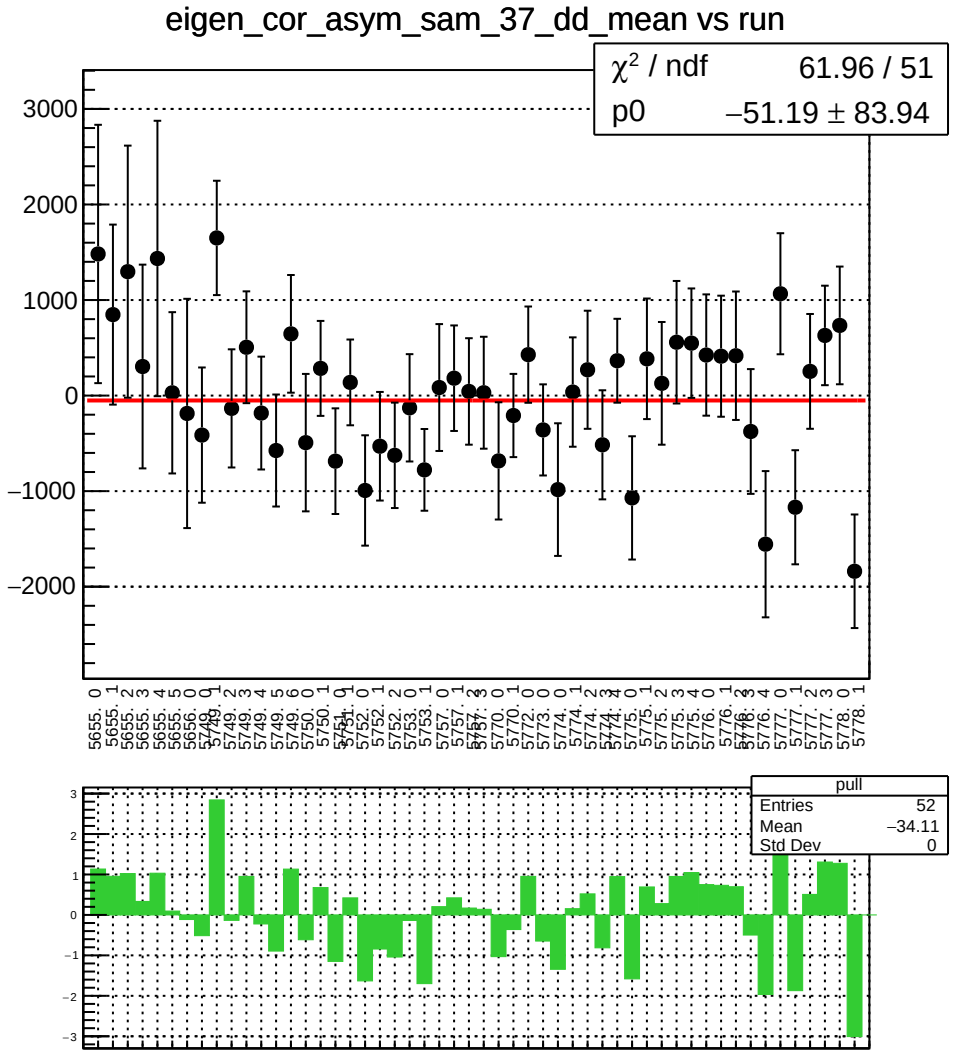
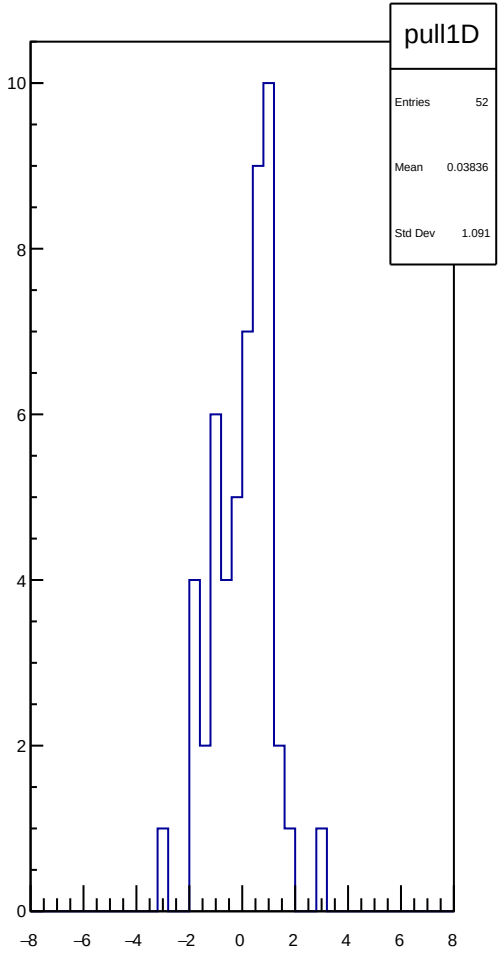
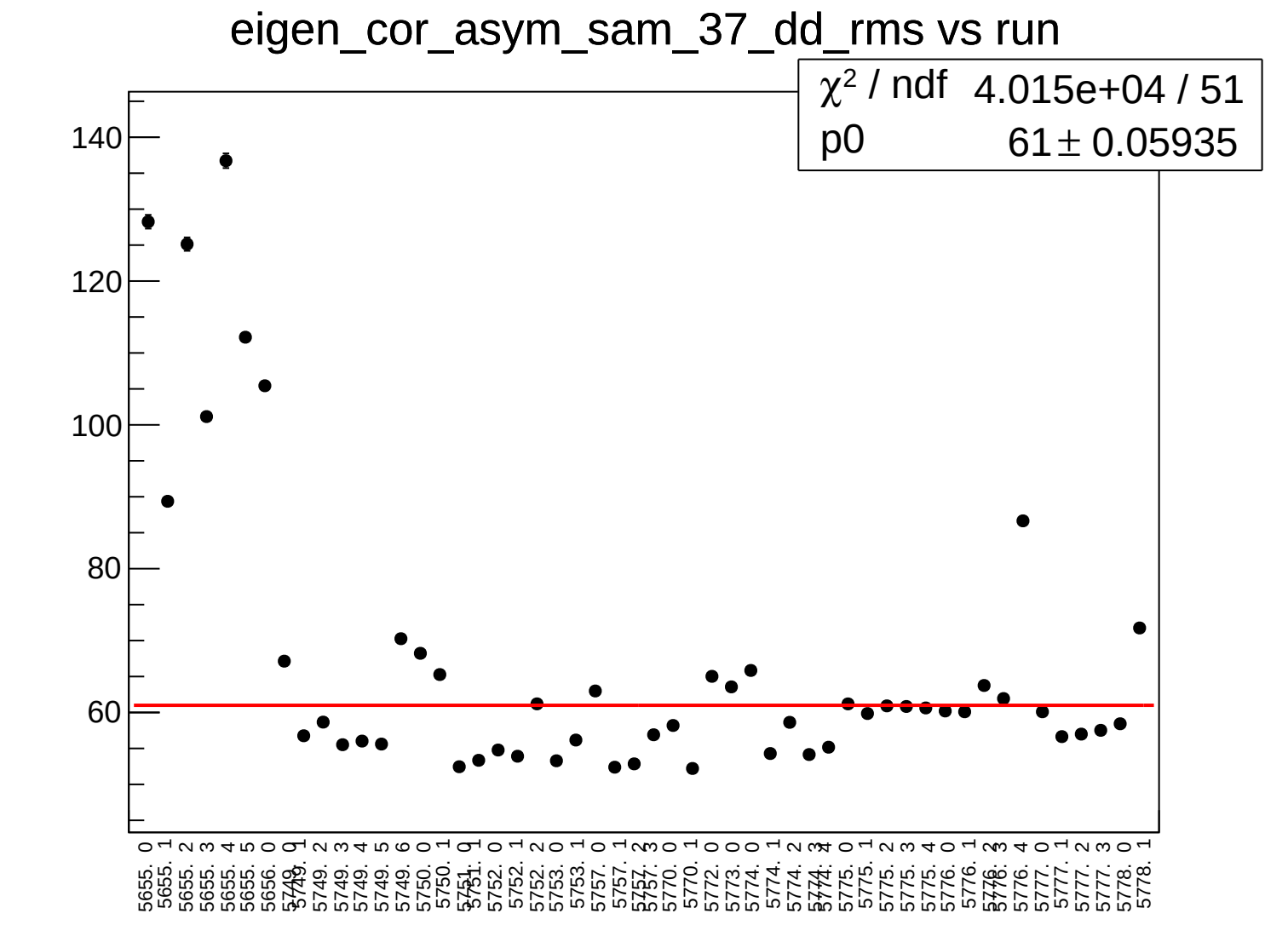

eigen_cor_asym_sam_37_dd_mean vs run
χ² / ndf 61.96 / 51
p0 −51.19 ± 83.94
pull
Entries 52
Mean −34.11
Std Dev 0


pull1D
Entries 52
Mean 0.03836
Std Dev 1.091


eigen_cor_asym_sam_37_dd_rms vs run
χ² / ndf 4.015e+04 / 51
p0 61 ± 0.05935
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
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5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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5757. 3
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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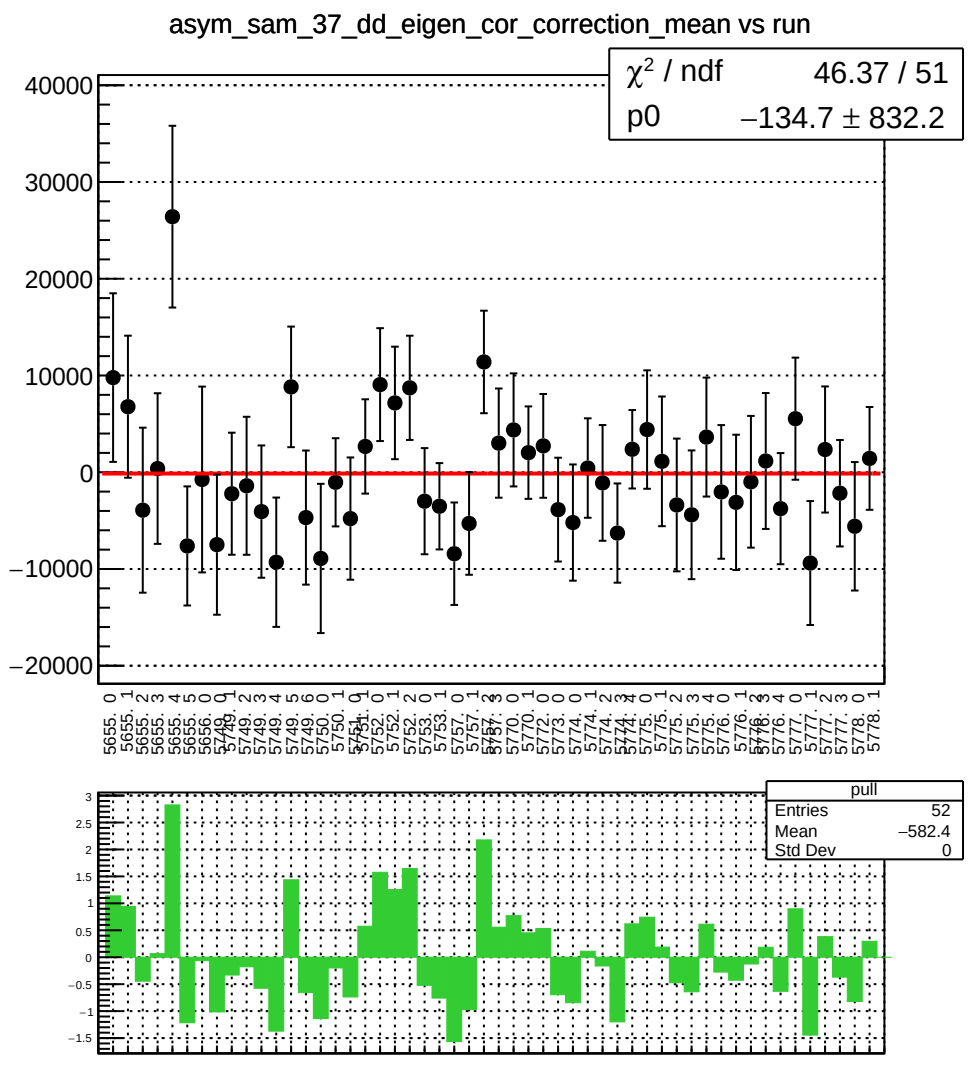
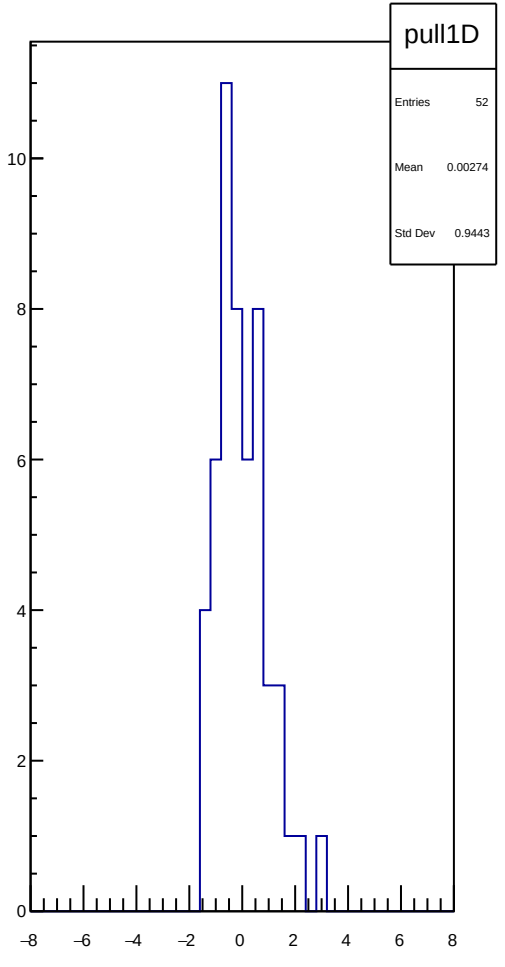
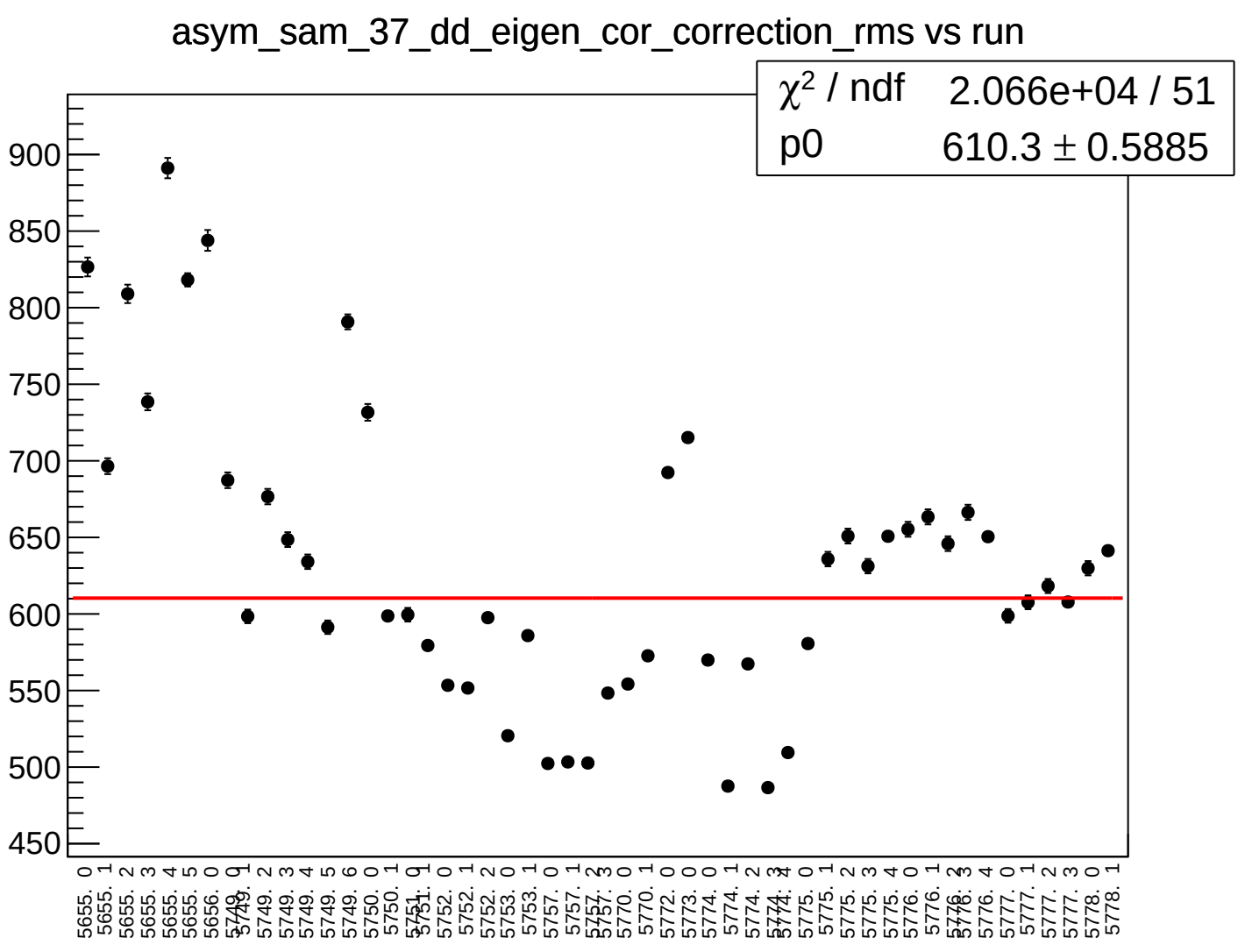
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 46.37 / 51
p0 −134.7 ± 832.2
pull
Entries 52
Mean −582.4
Std Dev 0


pull1D
Entries 52
Mean 0.00274
Std Dev 0.9443


asym_sam_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.066e+04 / 51
p0 610.3 ± 0.5885
900
850
800
750
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5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
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5752. 0
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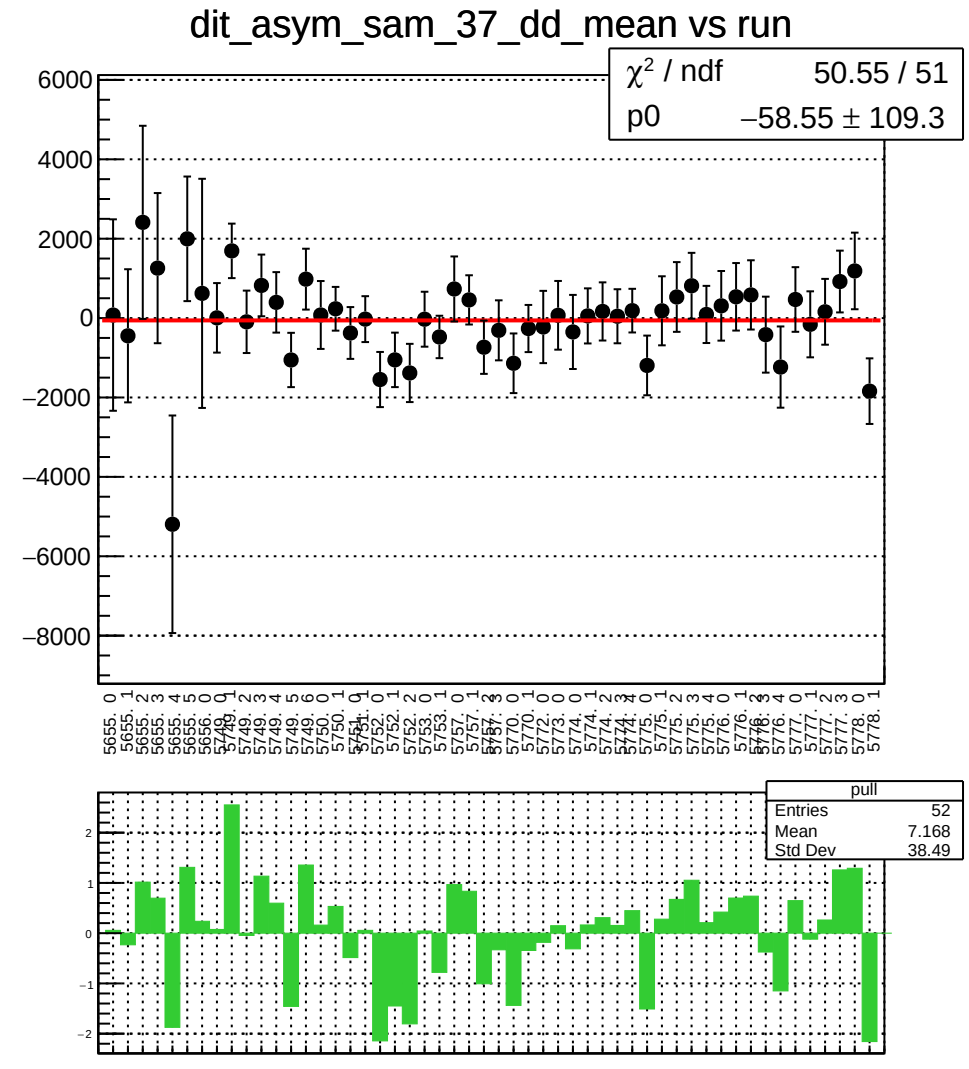
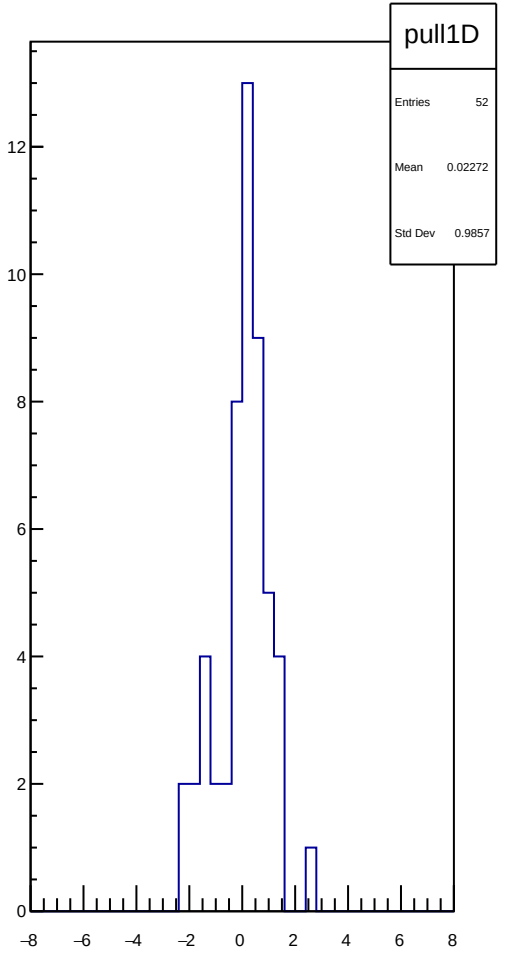
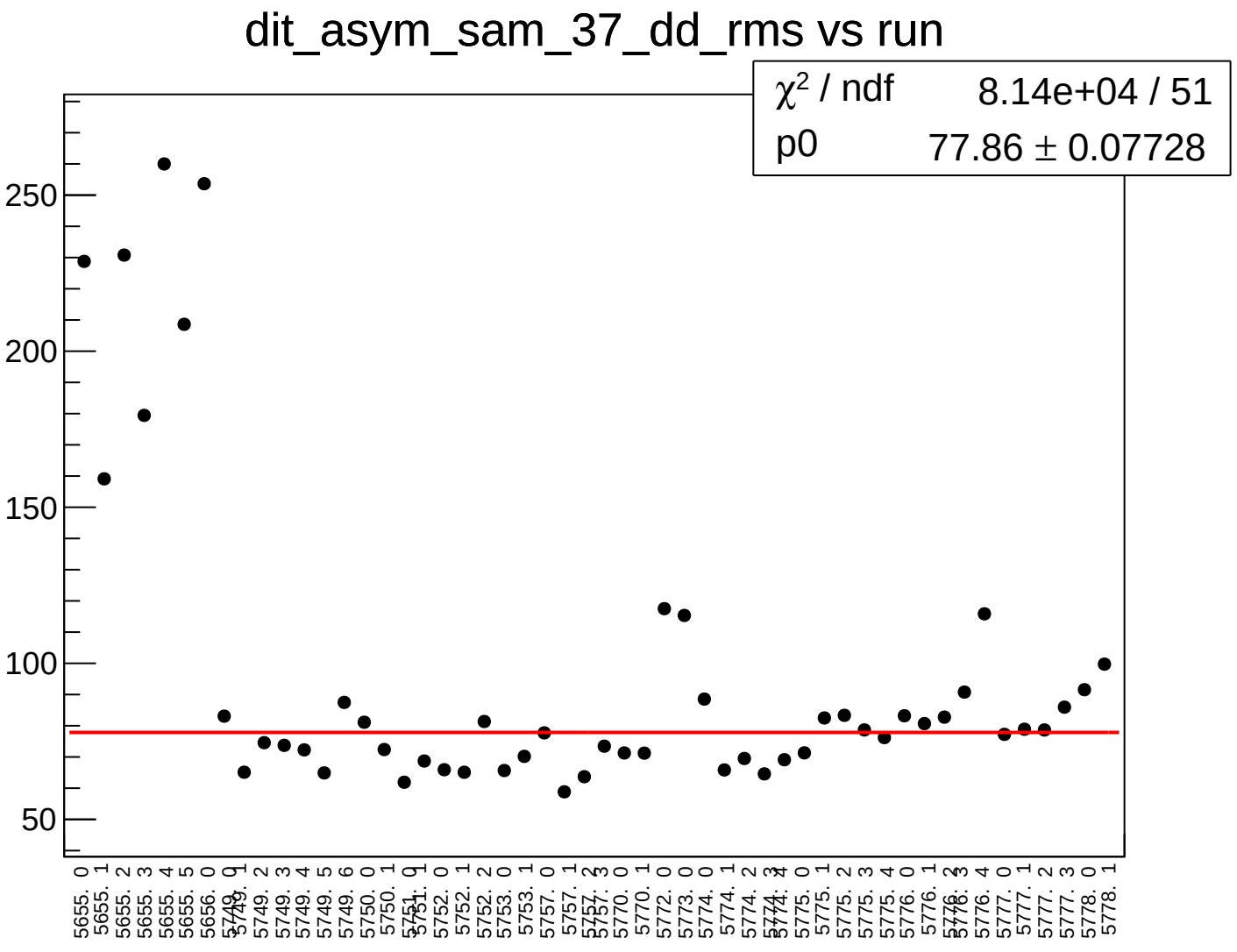
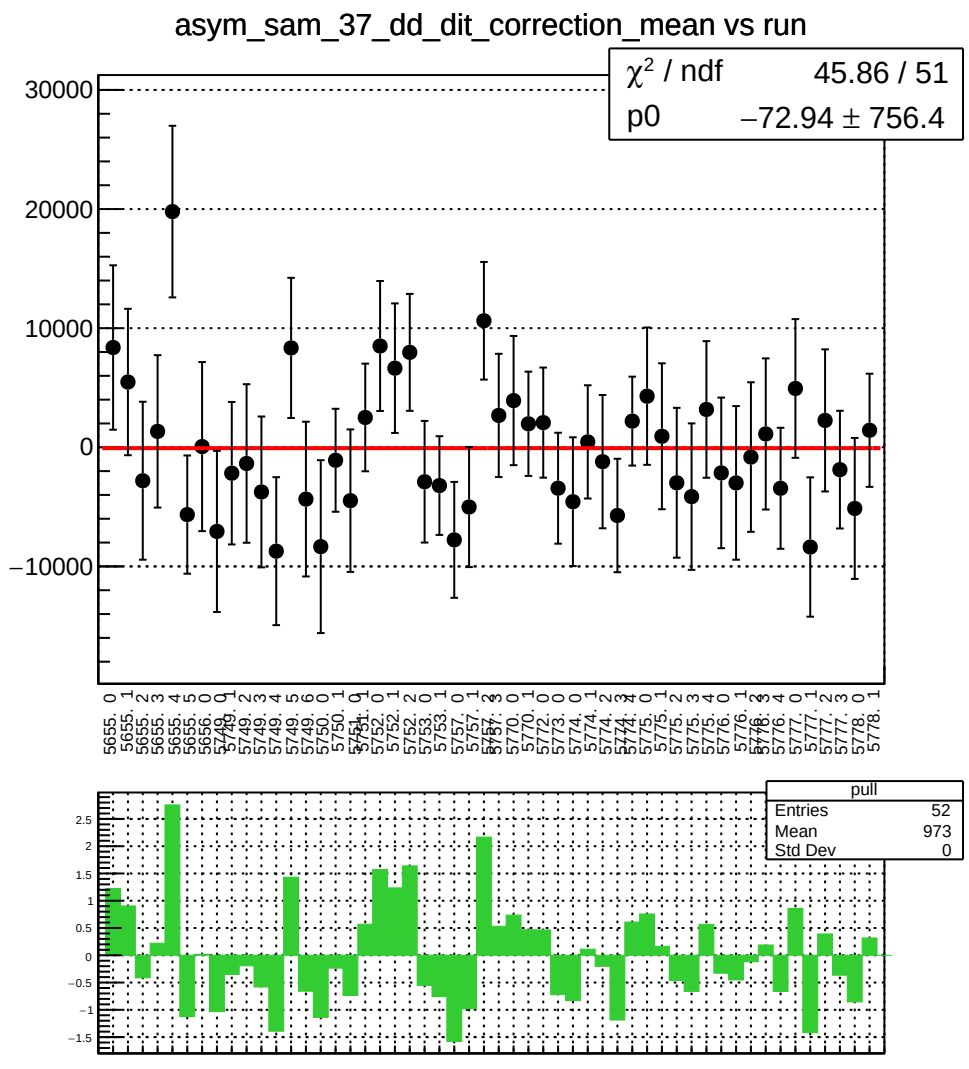
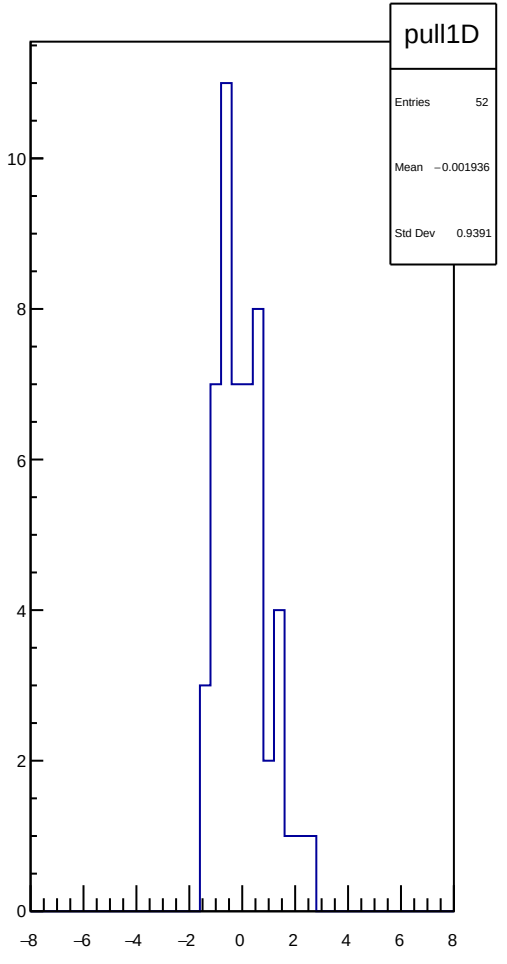
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

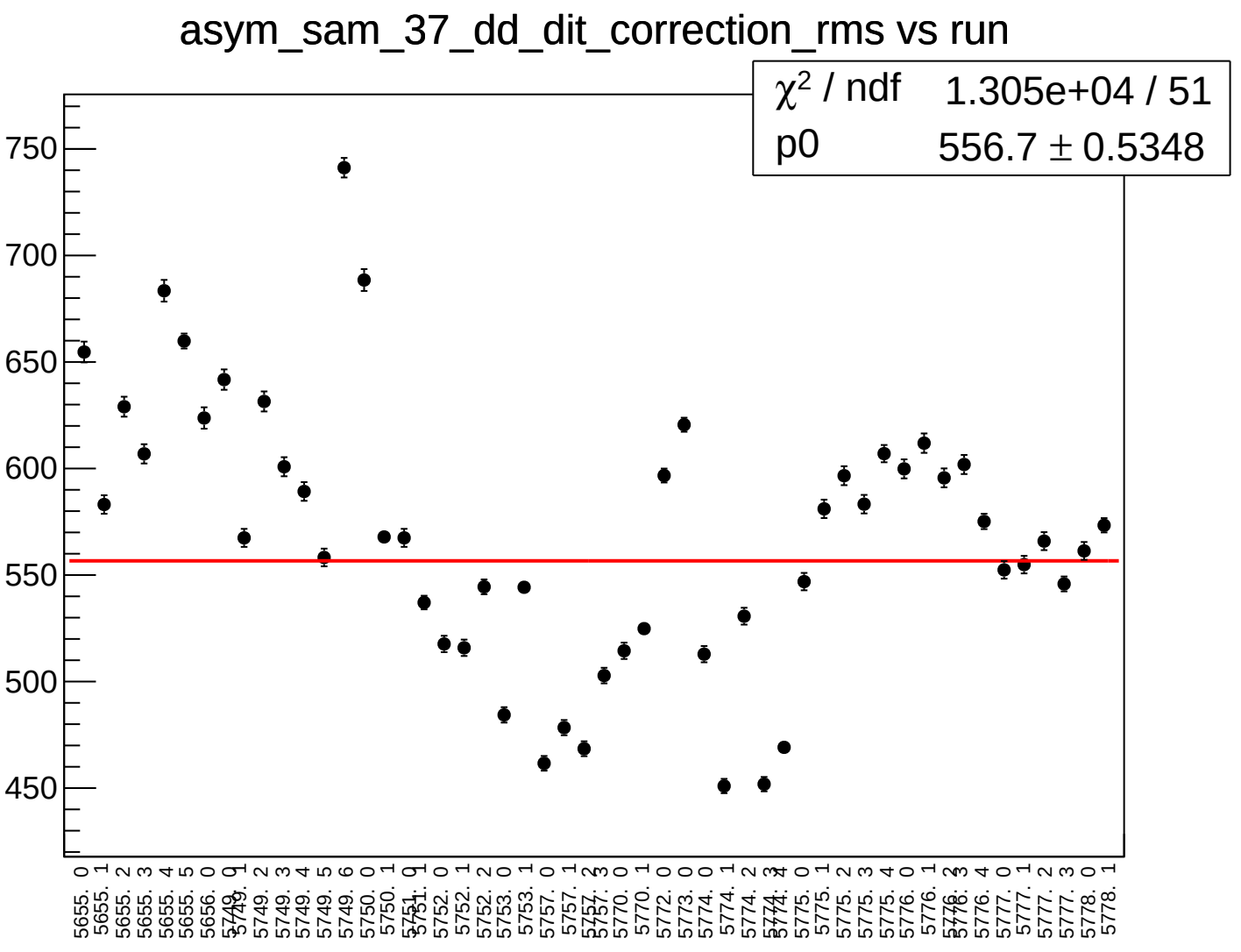

dit_asym_sam_37_dd_mean vs run
χ² / ndf 50.55 / 51
p0 −58.55 ± 109.3
pull
Entries 52
Mean 7.168
Std Dev 38.49

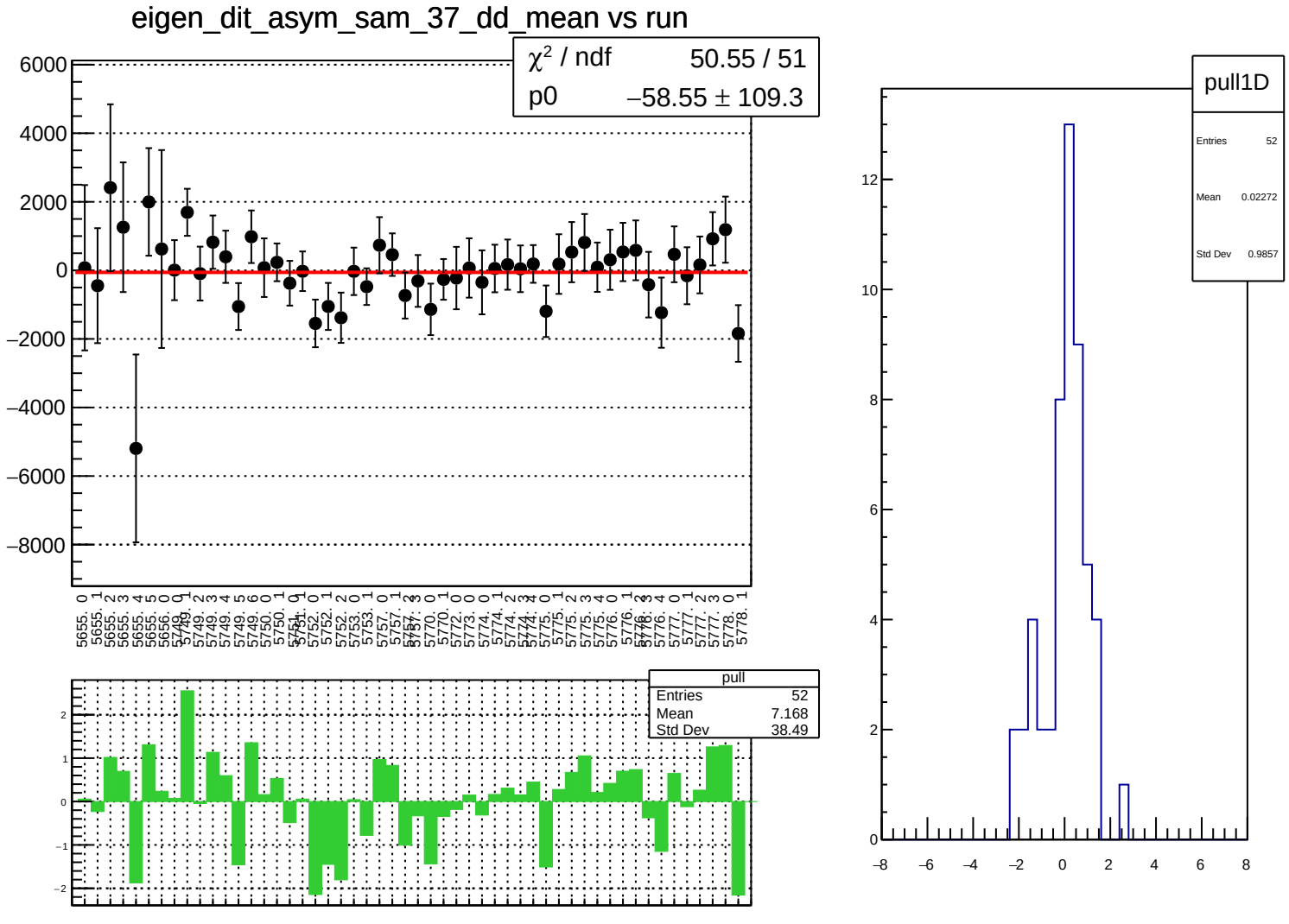

pull1D
Entries 52
Mean 0.02272
Std Dev 0.9857

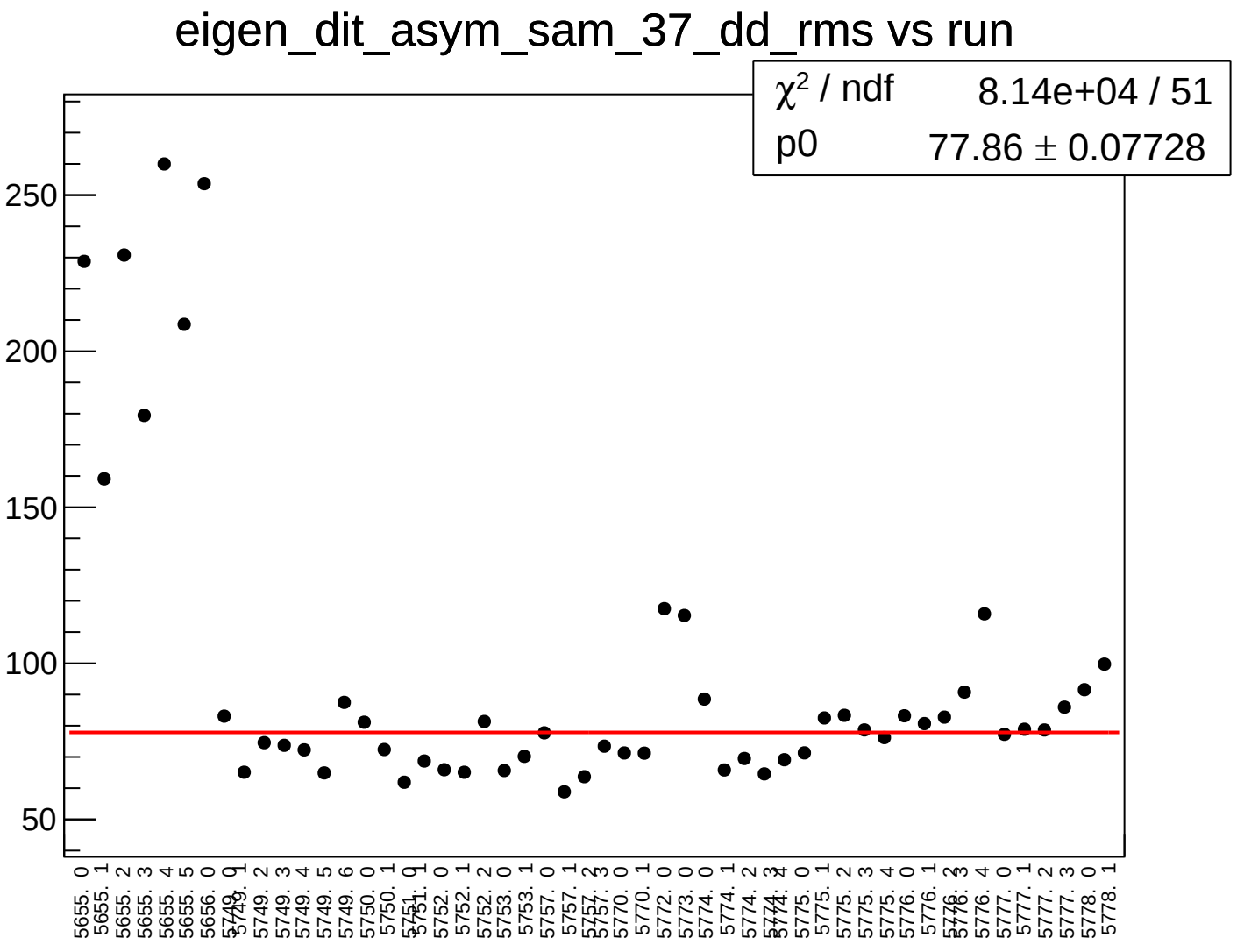

dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 8.14e+04 / 51
p0 77.86 ± 0.07728
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

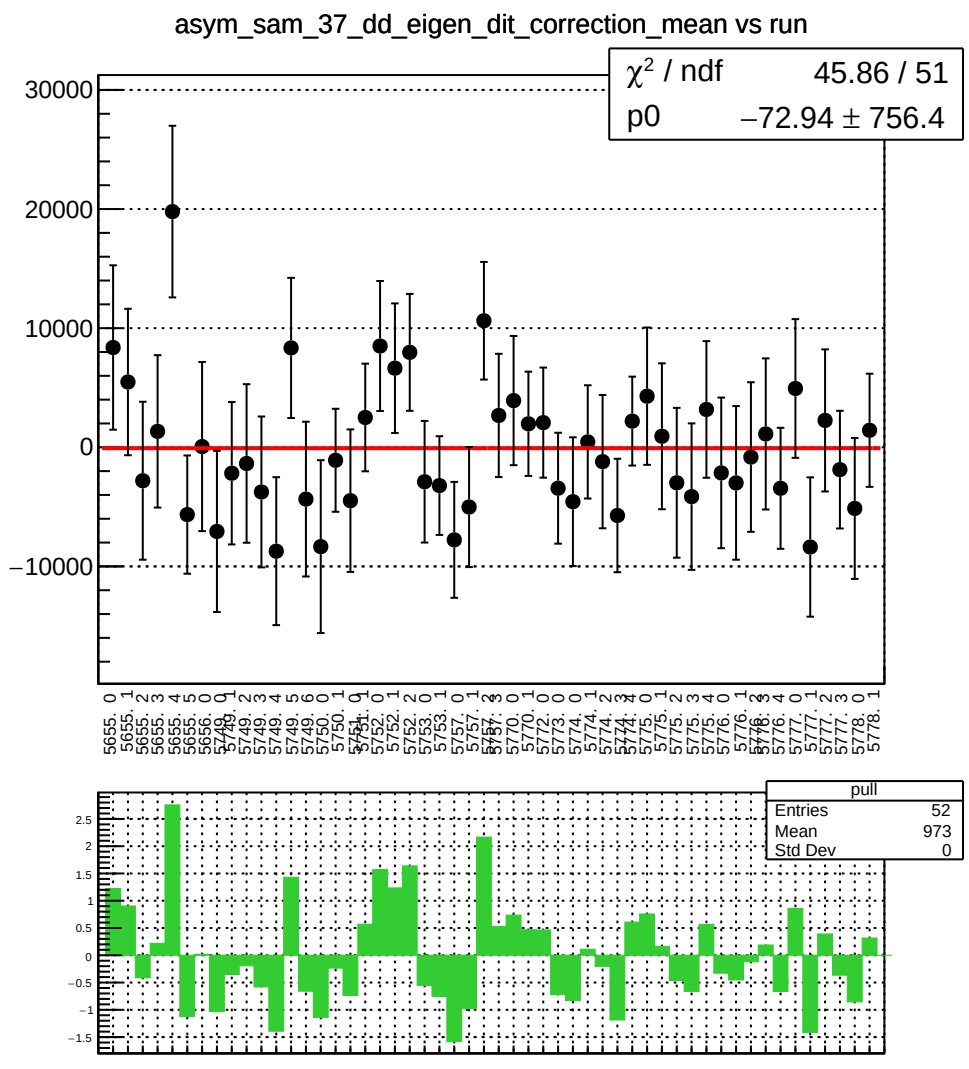

asym_sam_37_dd_dit_correction_mean vs run
χ² / ndf 45.86 / 51
p0 −72.94 ± 756.4
30000
20000
10000
0
−10000
pull
Entries 52
Mean 973
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

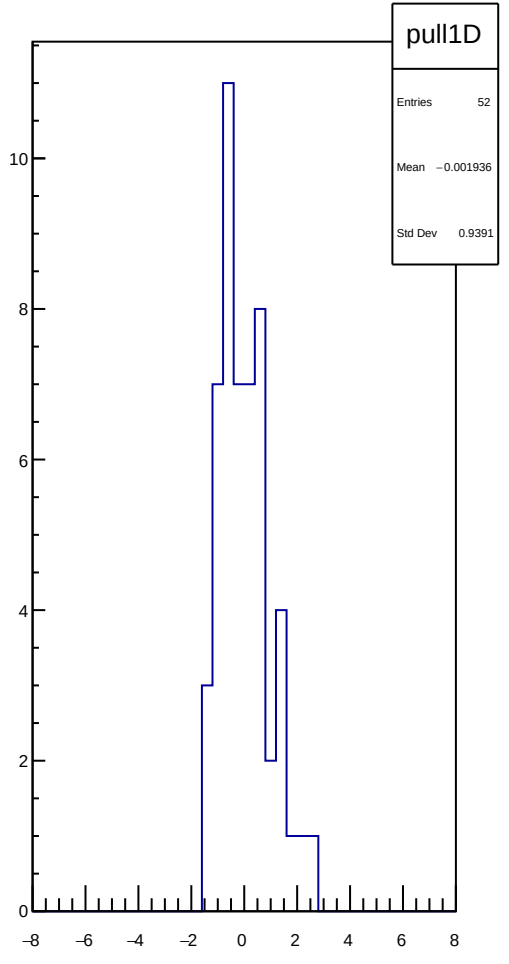

pull1D
Entries 52
Mean −0.001936
Std Dev 0.9391
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

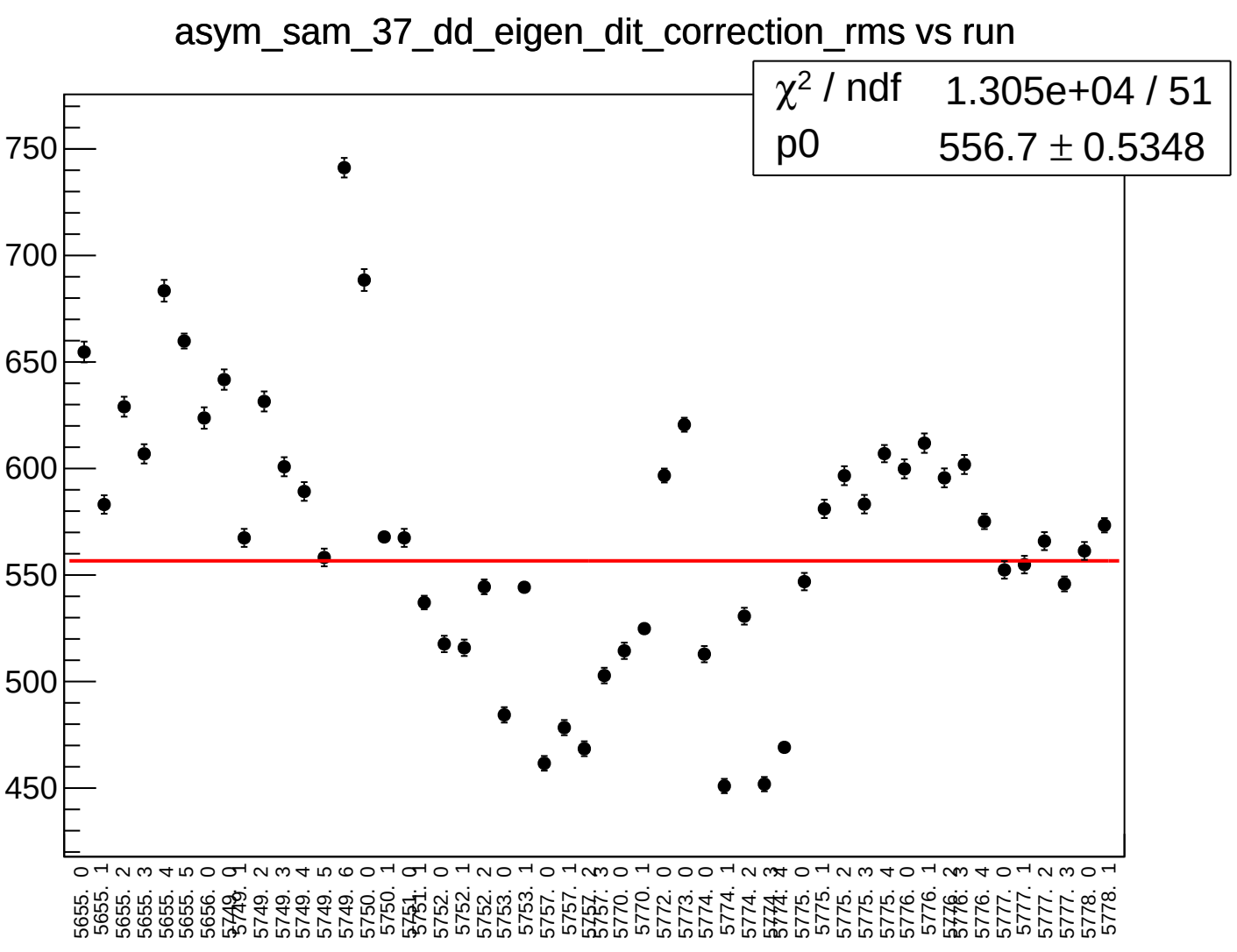

asym_sam_37_dd_dit_correction_rms vs run
χ² / ndf 1.305e+04 / 51
p0 556.7 ± 0.5348
750
700
650
600
550
500
450
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

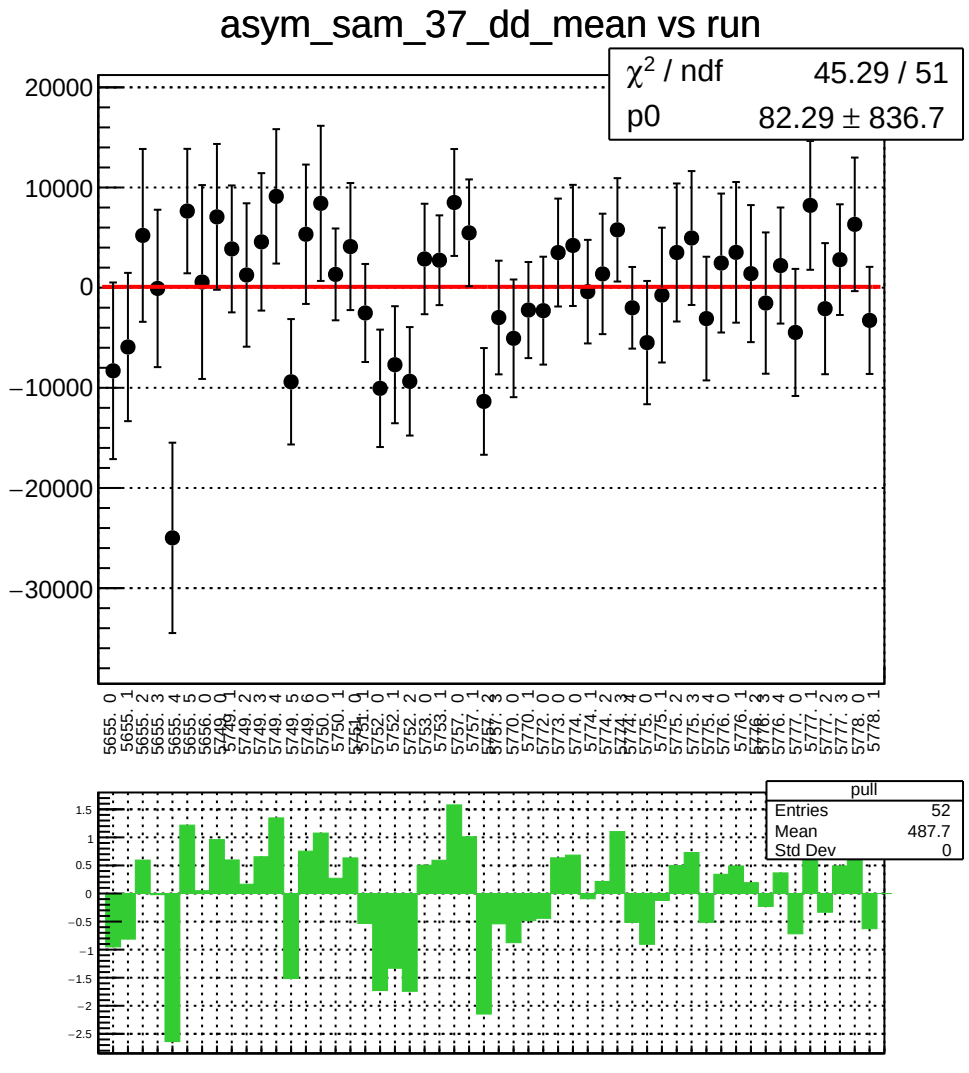

eigen_dit_asym_sam_37_dd_mean vs run
χ² / ndf 50.55 / 51
p0 −58.55 ± 109.3
pull
Entries 52
Mean 7.168
Std Dev 38.49
pull1D
Entries 52
Mean 0.02272
Std Dev 0.9857

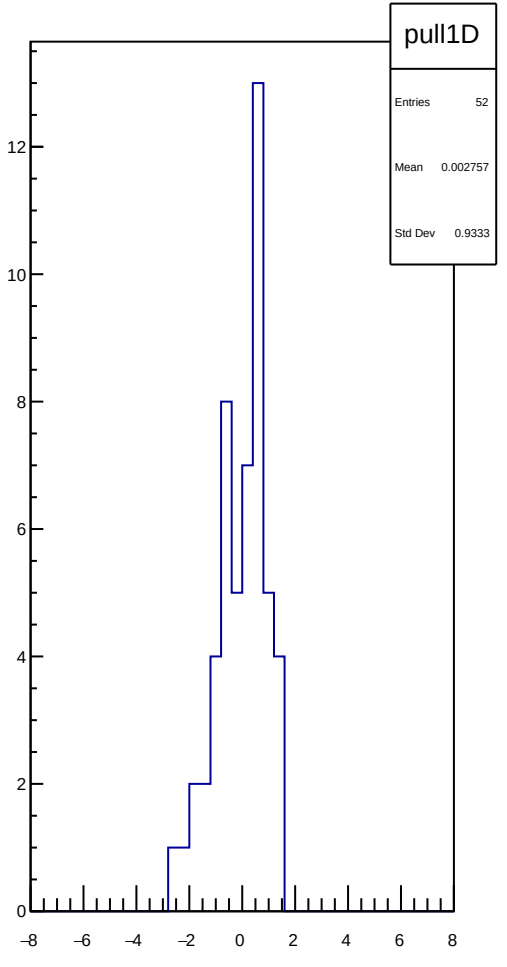

eigen_dit_asym_sam_37_dd_rms vs run
χ² / ndf 8.14e+04 / 51
p0 77.86 ± 0.07728
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

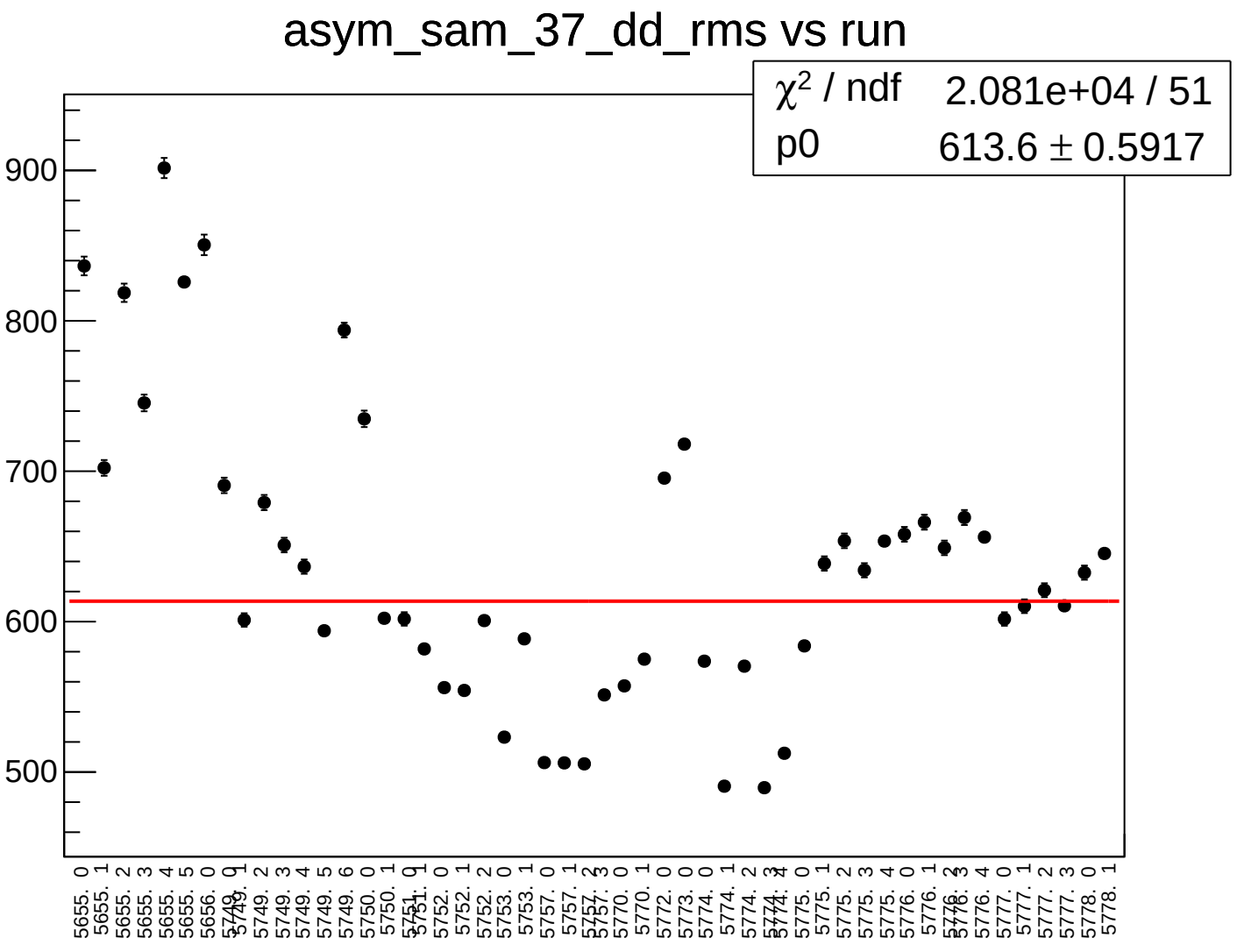

asym_sam_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 45.86 / 51
p0 −72.94 ± 756.4
30000
20000
10000
0
−10000
pull
Entries 52
Mean 973
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

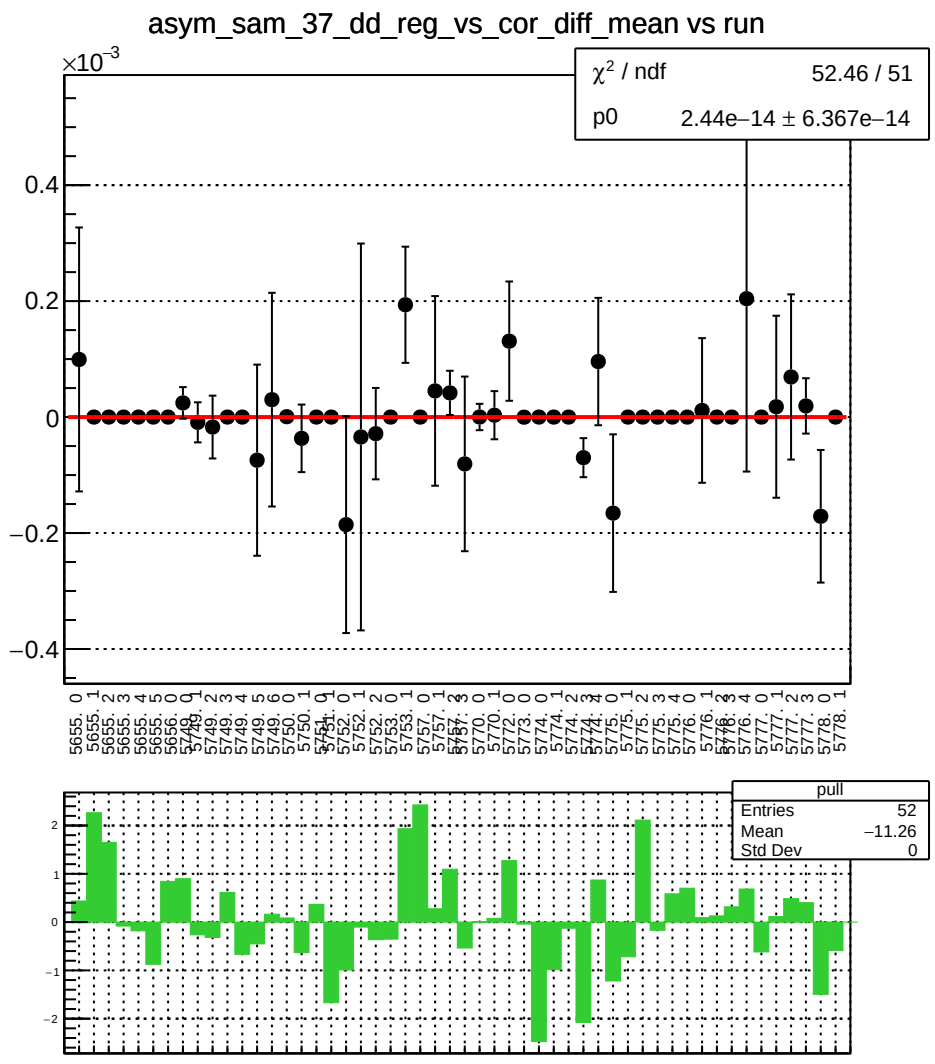

pull1D
Entries 52
Mean −0.001936
Std Dev 0.9391
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

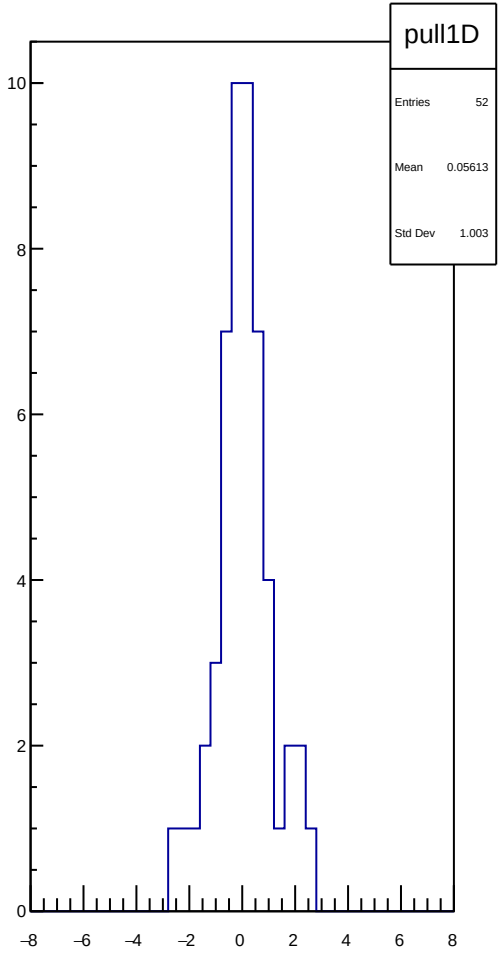

asym_sam_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.305e+04 / 51
p0 556.7 ± 0.5348
750
700
650
600
550
500
450
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

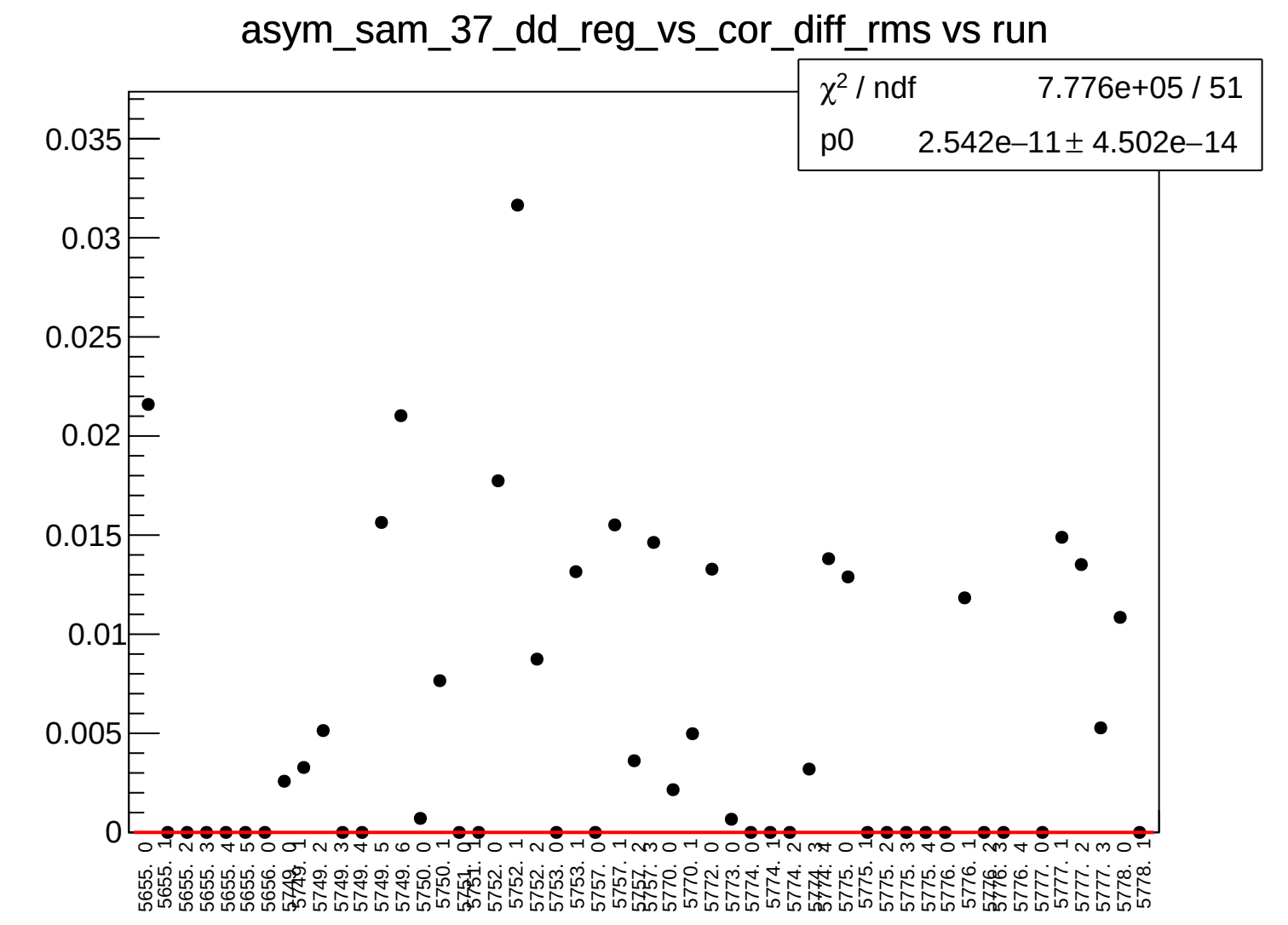

asym_sam_37_dd_mean vs run
χ² / ndf 45.29 / 51
p0 82.29 ± 836.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean 487.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

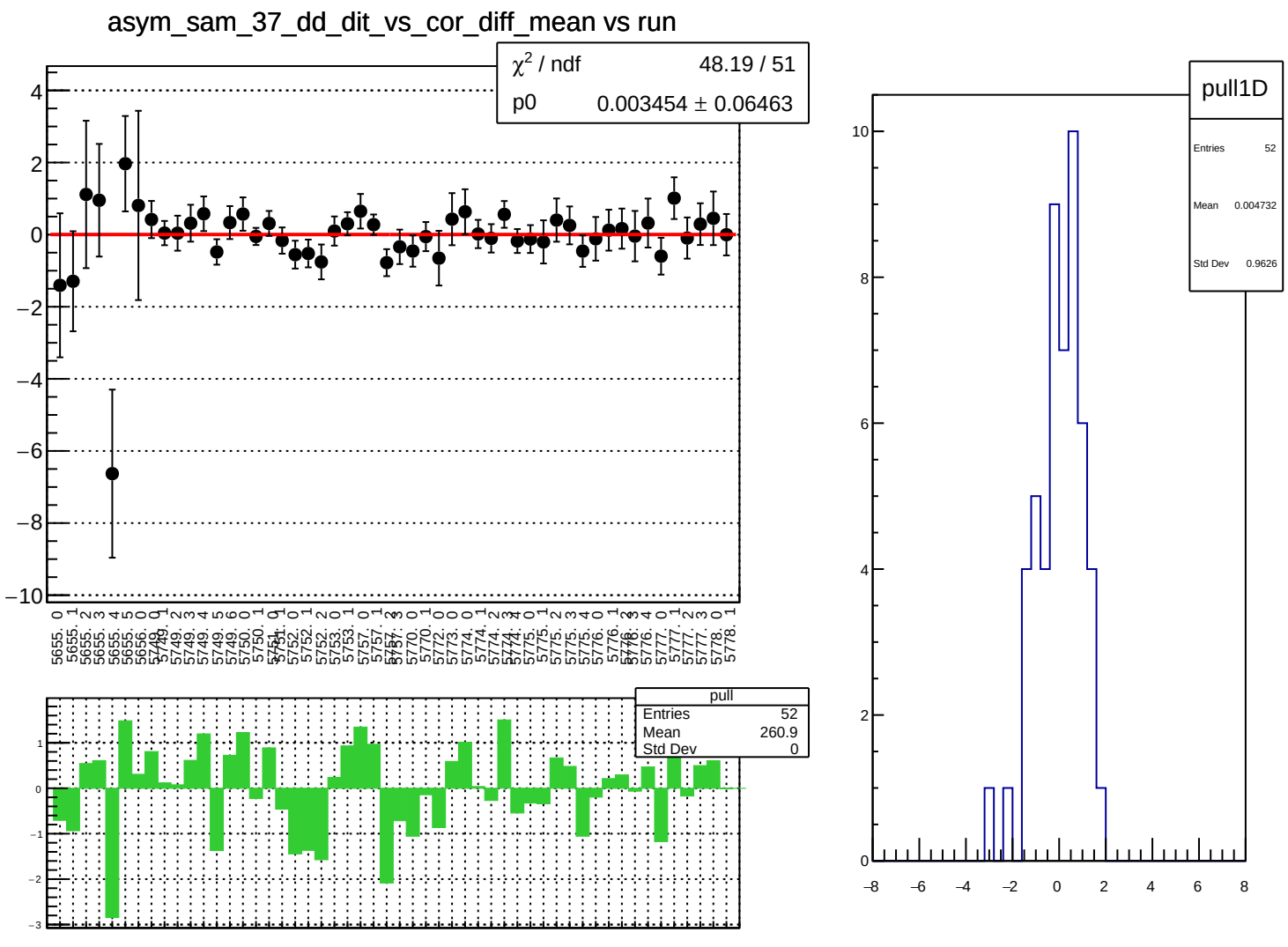

pull1D
Entries 52
Mean 0.002757
Std Dev 0.9333
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

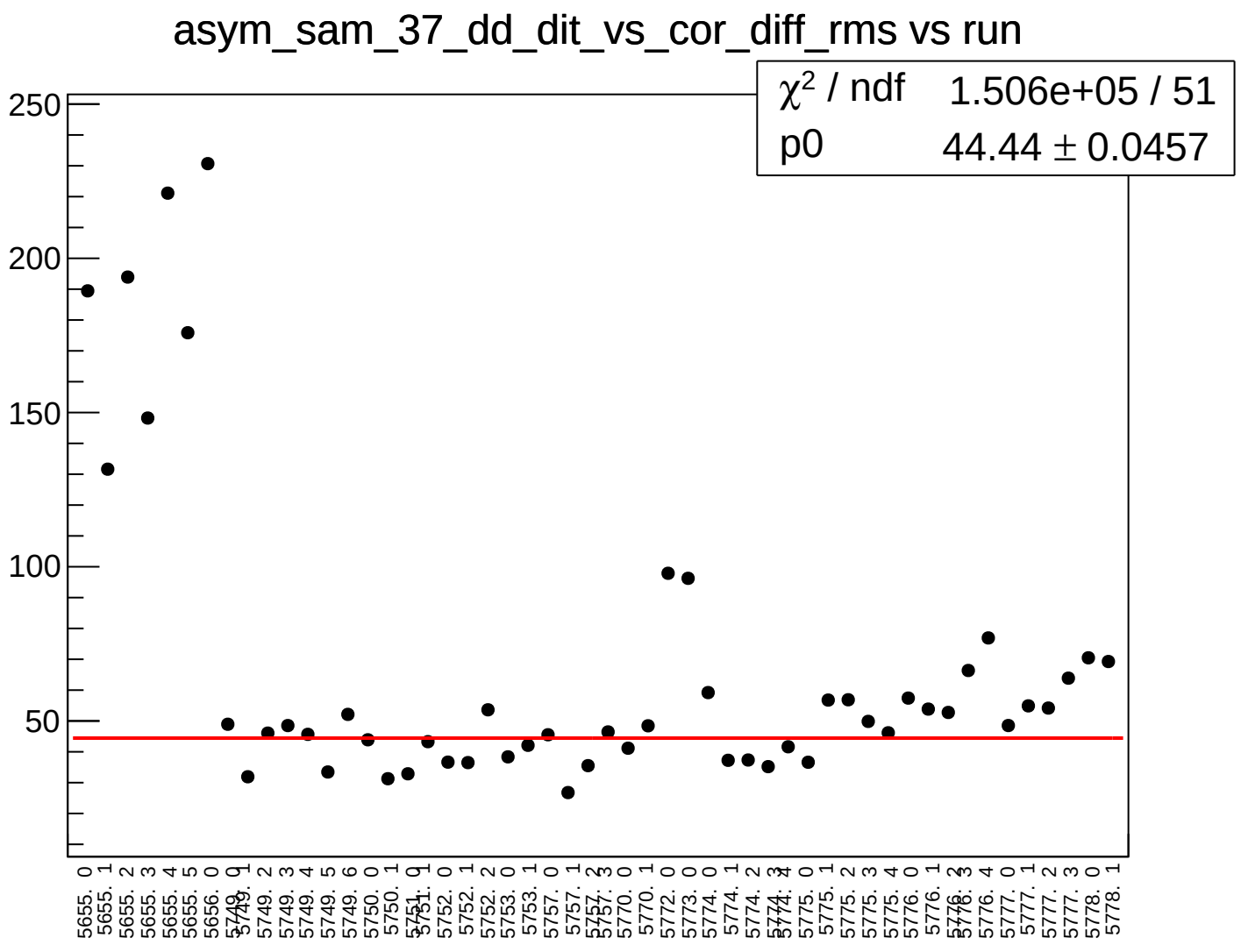

asym_sam_37_dd_rms vs run
χ^2 / ndf 2.081e+04 / 51
p0 613.6 ± 0.5917
900
800
700
600
500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

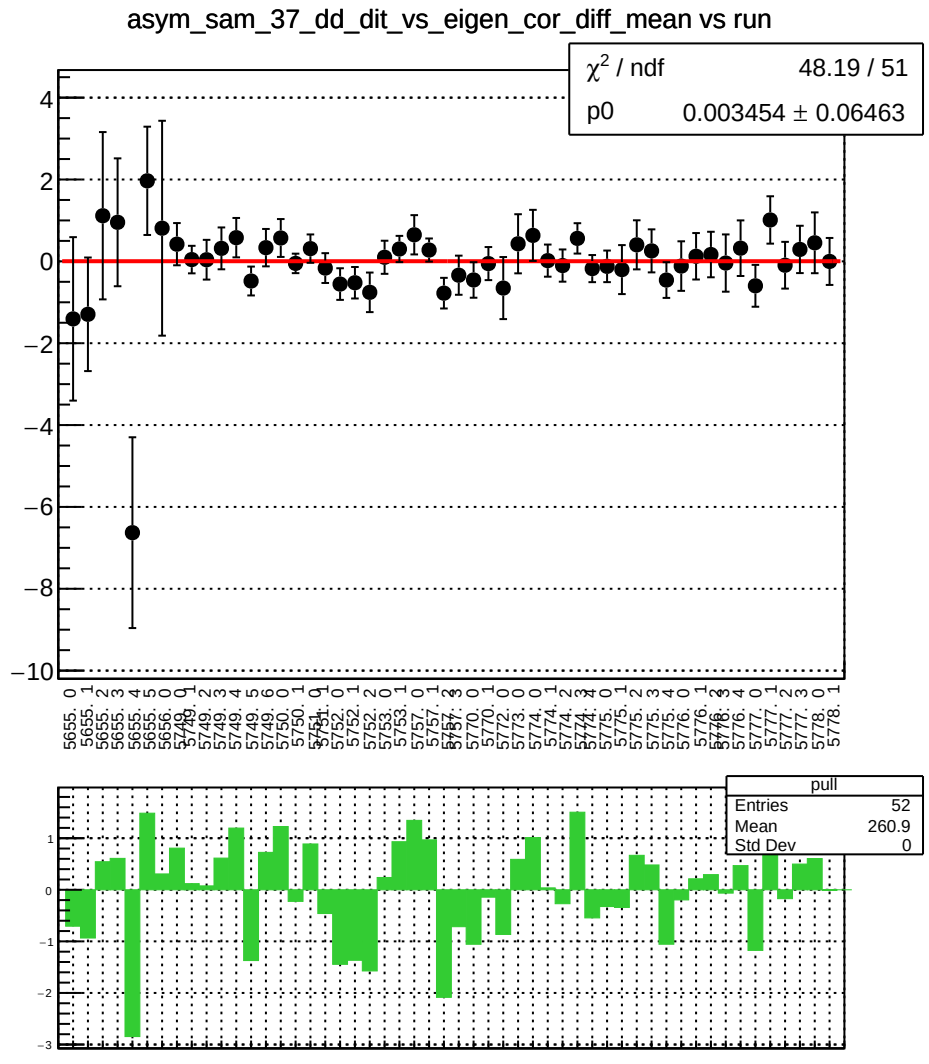

asym_sam_37_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 52.46 / 51
p0 2.44e−14 ± 6.367e−14
0.4
0.2
0
−0.2
−0.4
pull
Entries 52
Mean −11.26
Std Dev 0
2
1
0
−1
−2

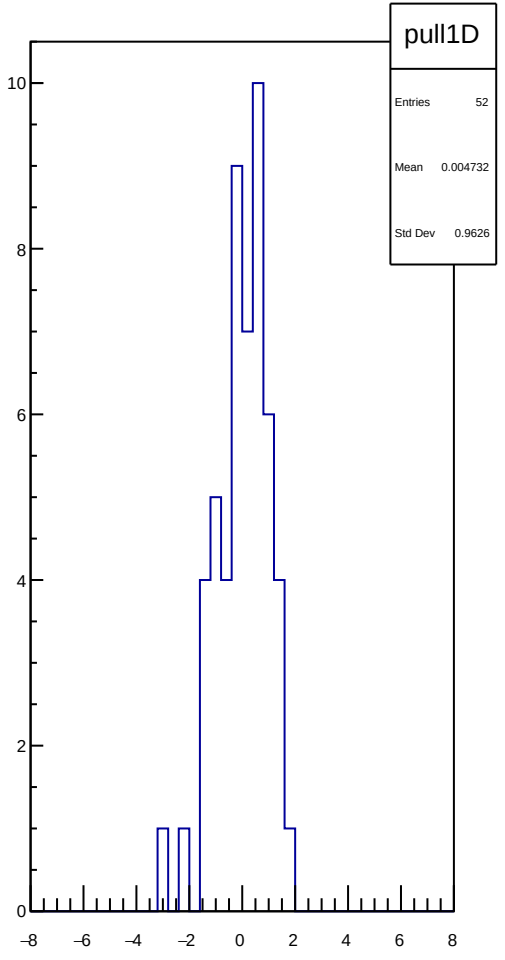

pull1D
Entries 52
Mean 0.05613
Std Dev 1.003
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

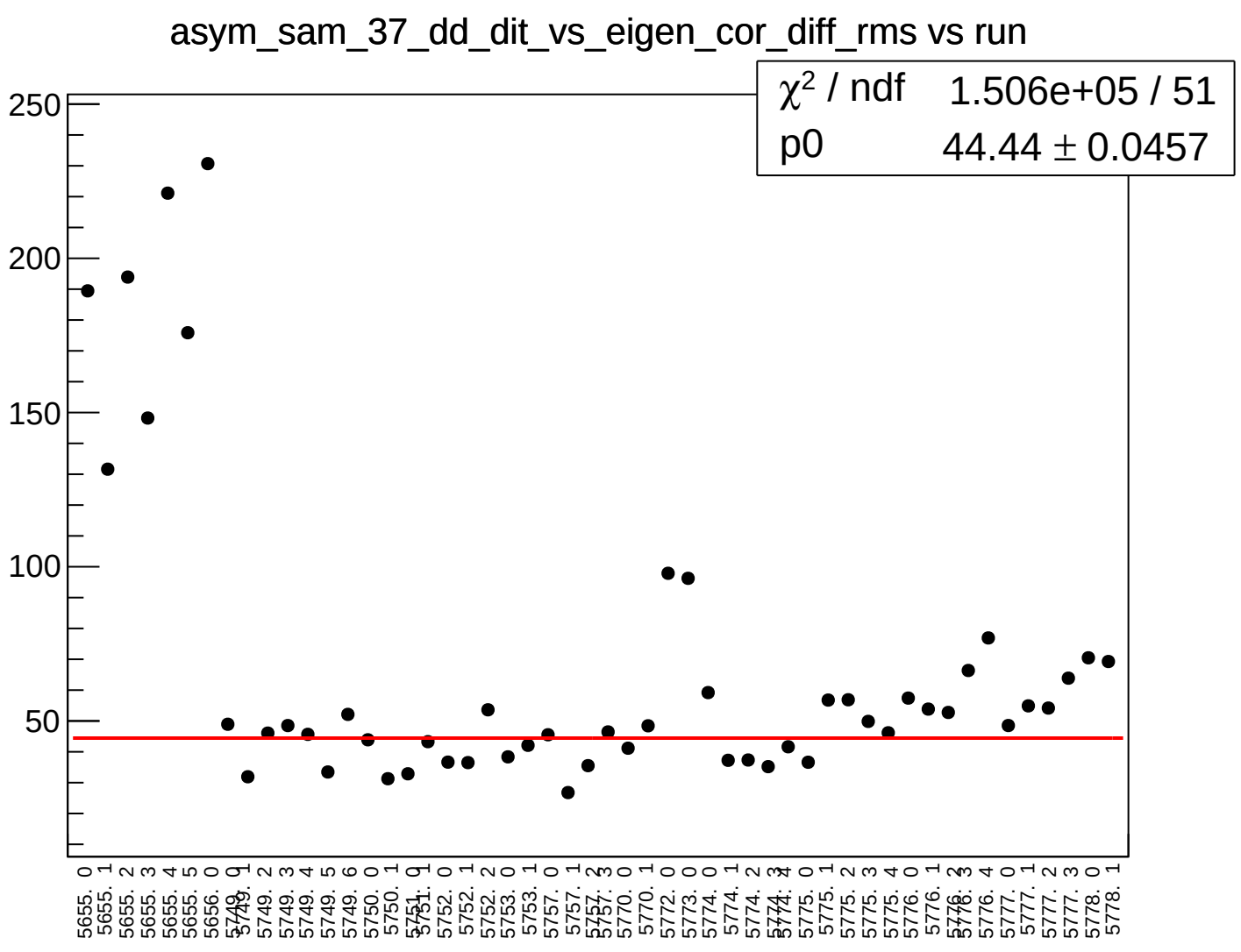

asym_sam_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.776e+05 / 51
p0 2.542e−11 ± 4.502e−14
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

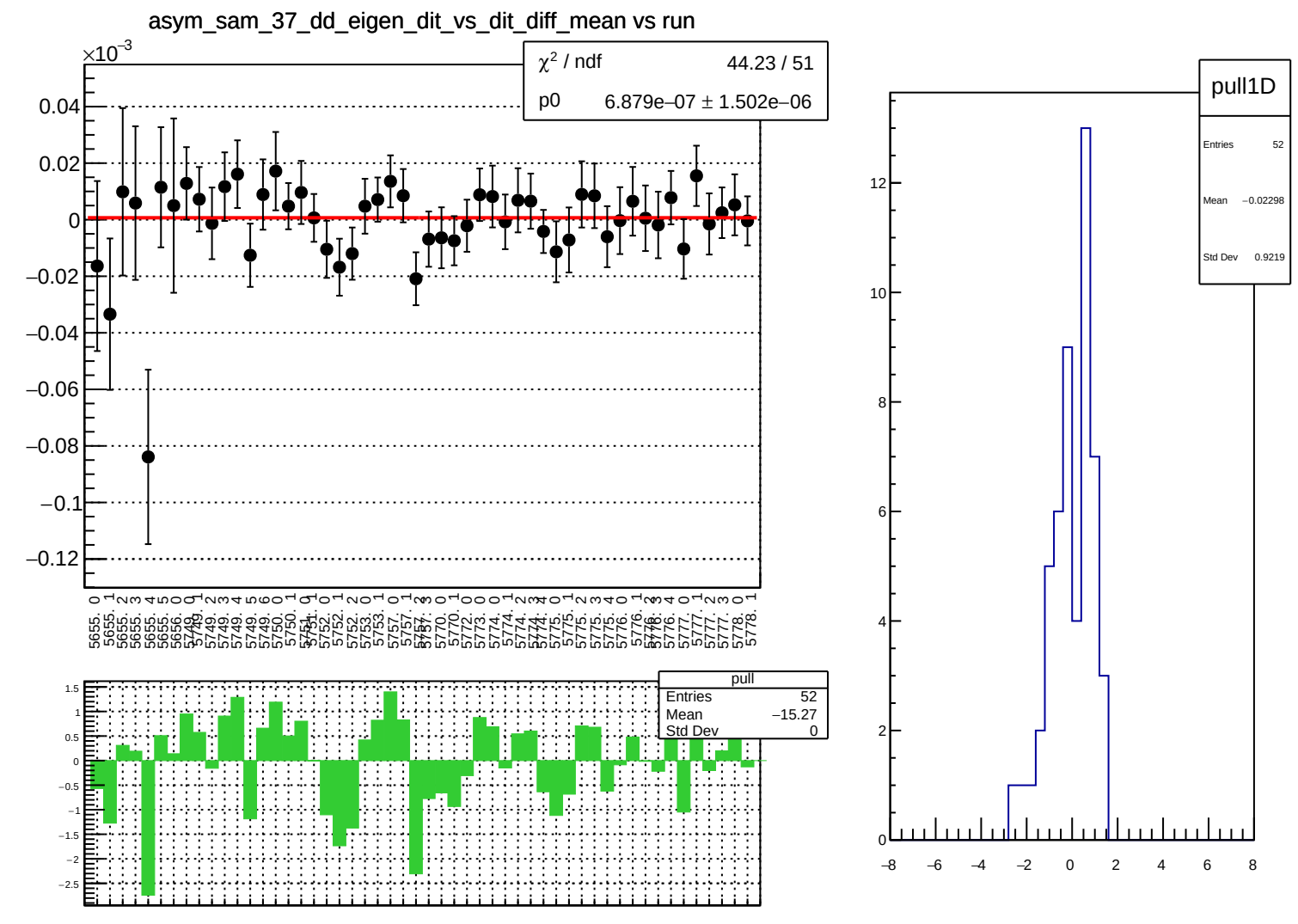

asym_sam_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 48.19 / 51
p0 0.003454 ± 0.06463
pull
Entries 52
Mean 260.9
Std Dev 0
pull1D
Entries 52
Mean 0.004732
Std Dev 0.9626

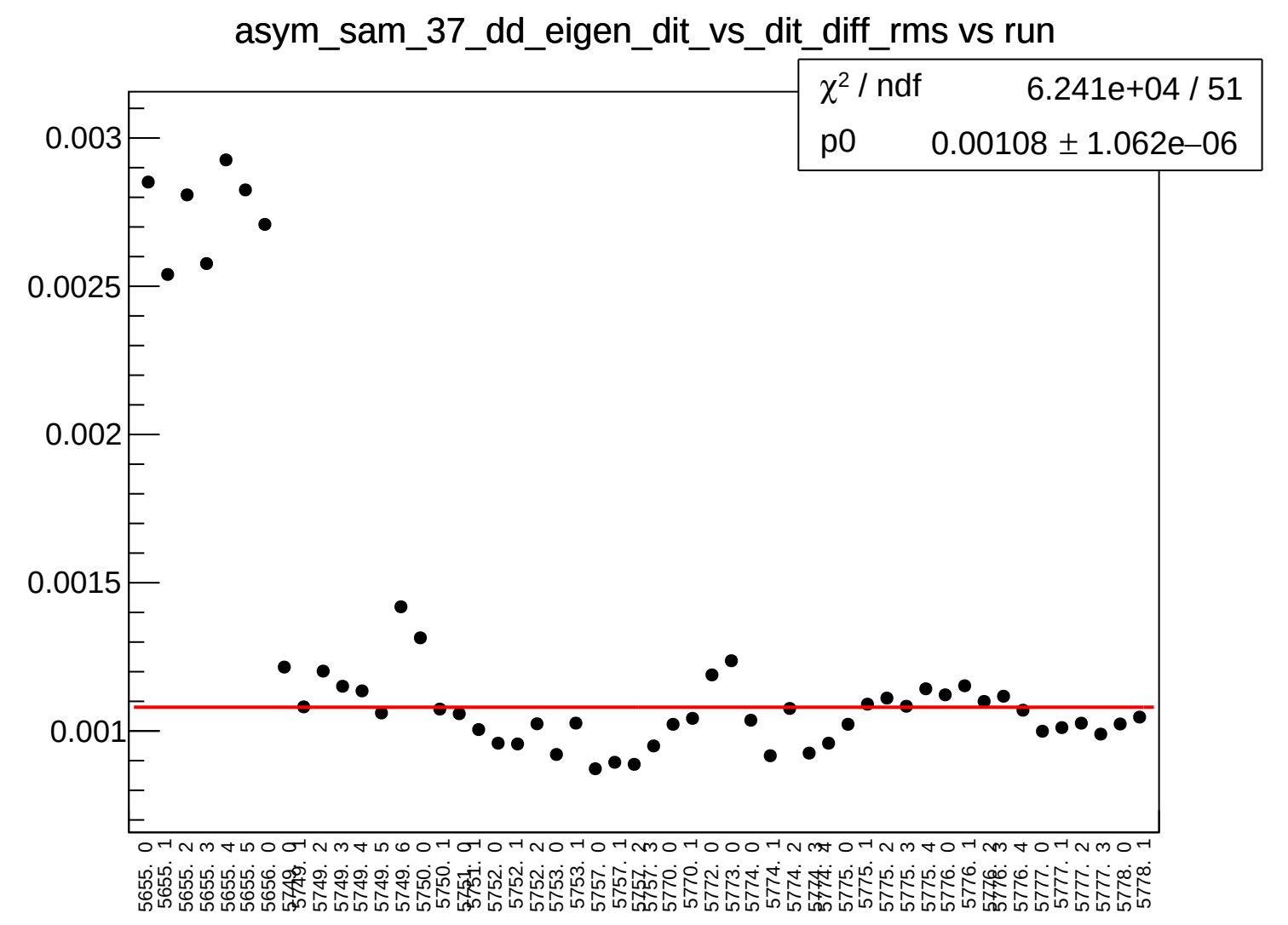

asym_sam_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.506e+05 / 51
p0 44.44 ± 0.0457
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

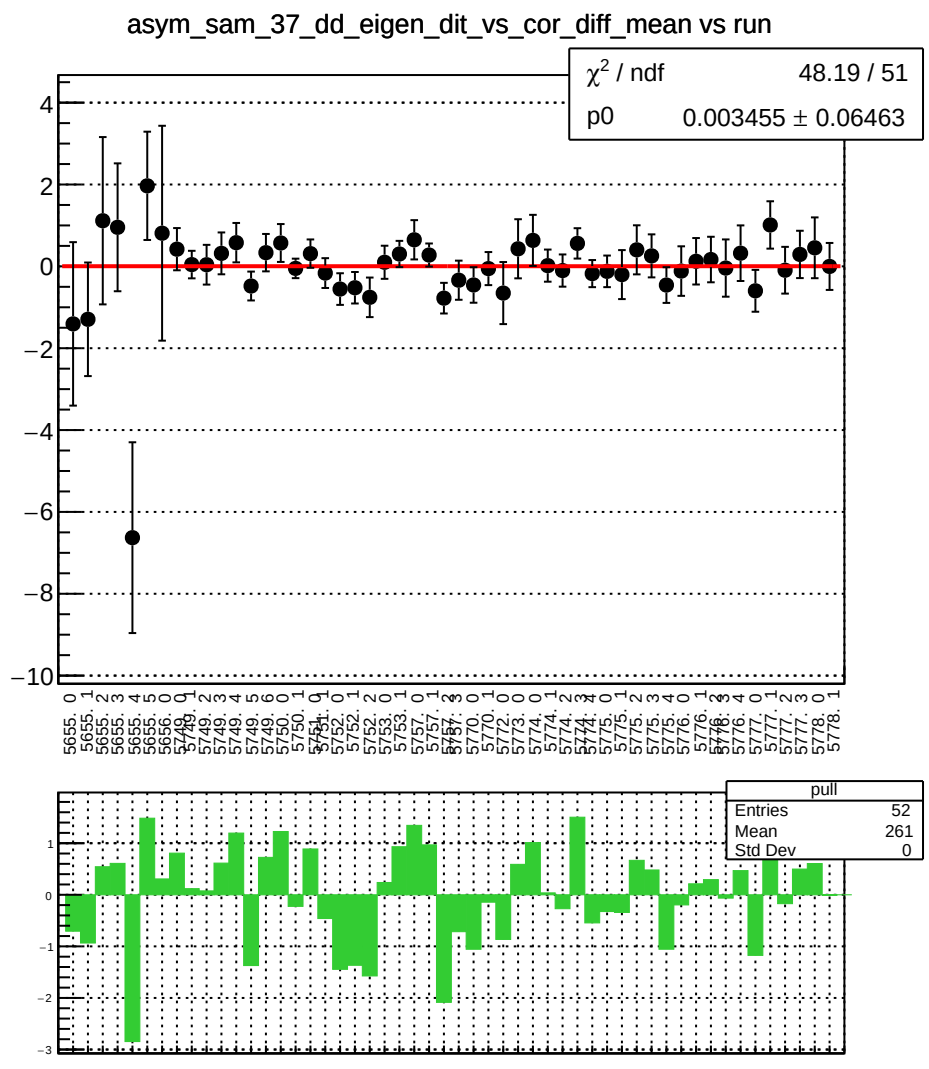

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.19 / 51
p0 0.003454 ± 0.06463
pull
Entries 52
Mean 260.9
Std Dev 0

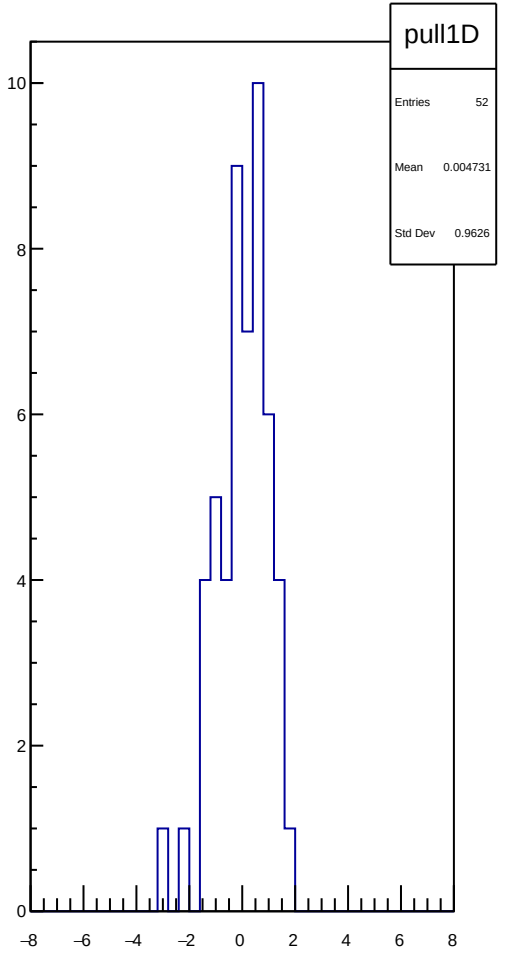

pull1D
Entries 52
Mean 0.004732
Std Dev 0.9626

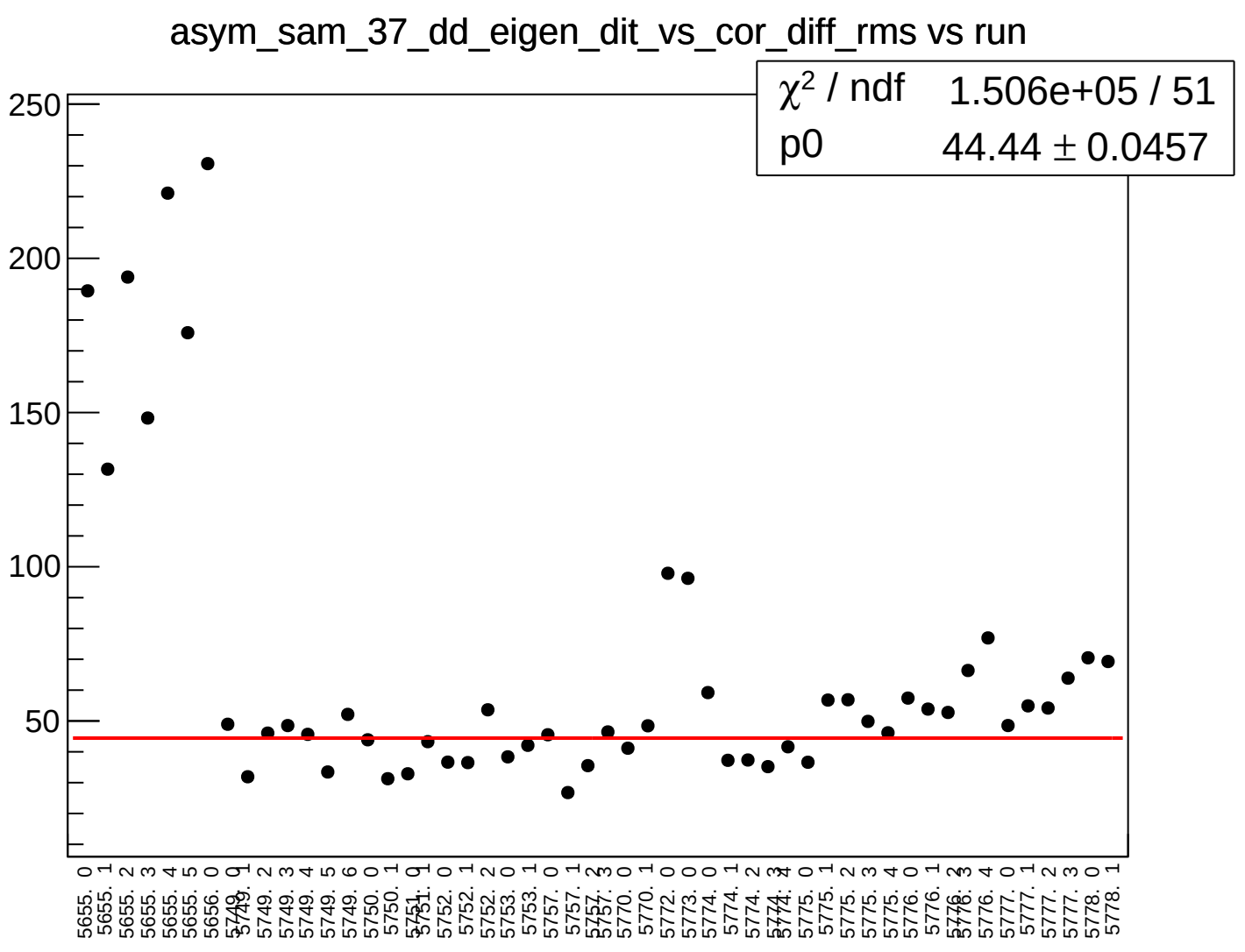

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.506e+05 / 51
p0 44.44 ± 0.0457
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

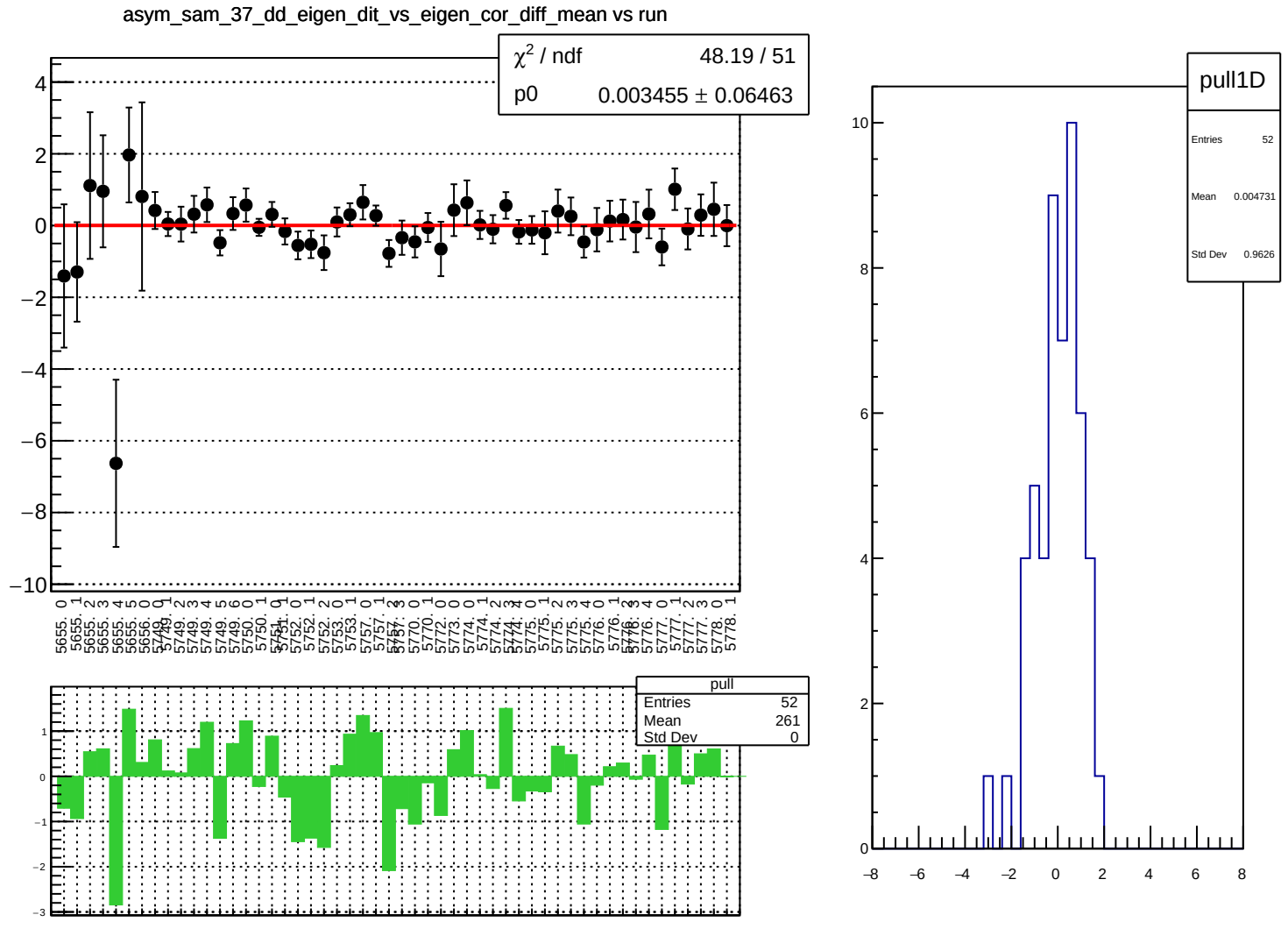

asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 44.23 / 51
p0 6.879e−07 ± 1.502e−06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull
Entries 52
Mean −15.27
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 52
Mean −0.02298
Std Dev 0.9219
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

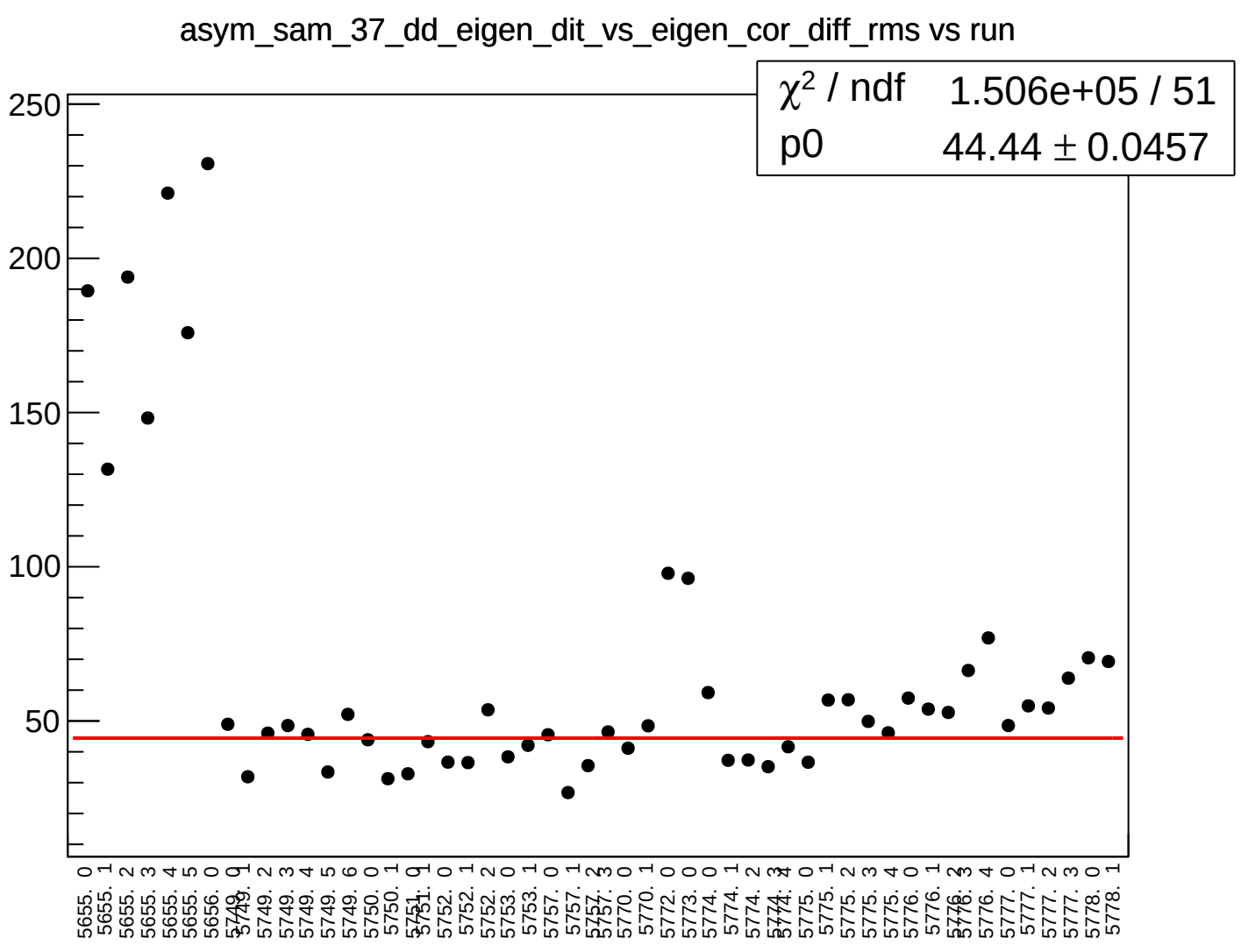

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6.241e+04 / 51
p0 0.00108 ± 1.062e−06
0.003
0.0025
0.002
0.0015
0.001
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

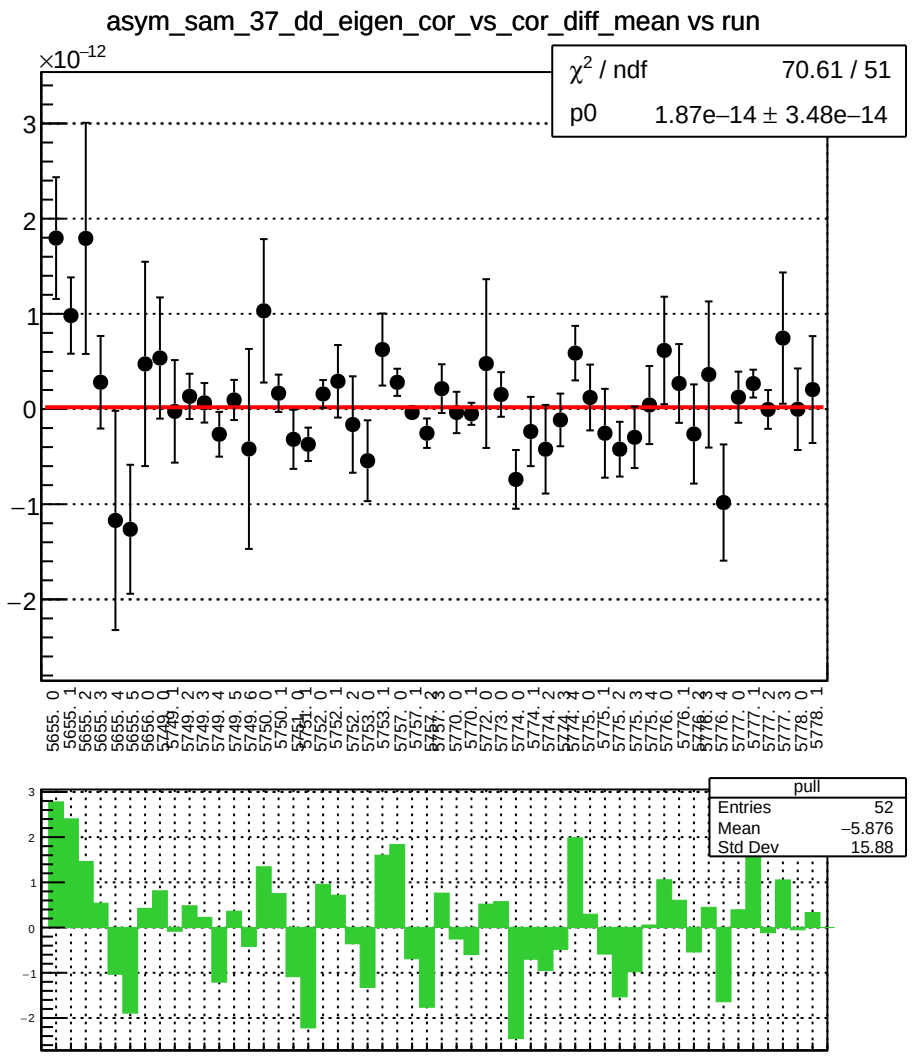

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.19 / 51
p0 0.003455 ± 0.06463
pull
Entries 52
Mean 261
Std Dev 0

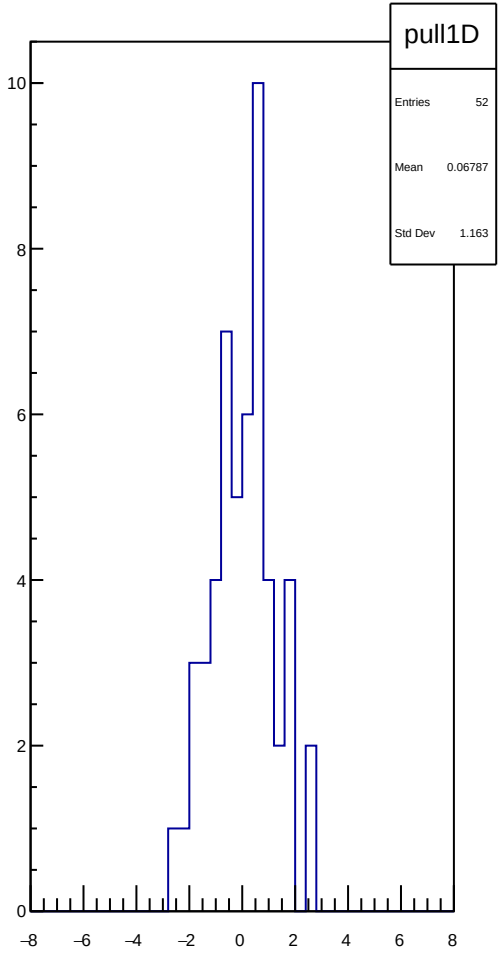

pull1D
Entries 52
Mean 0.004731
Std Dev 0.9626

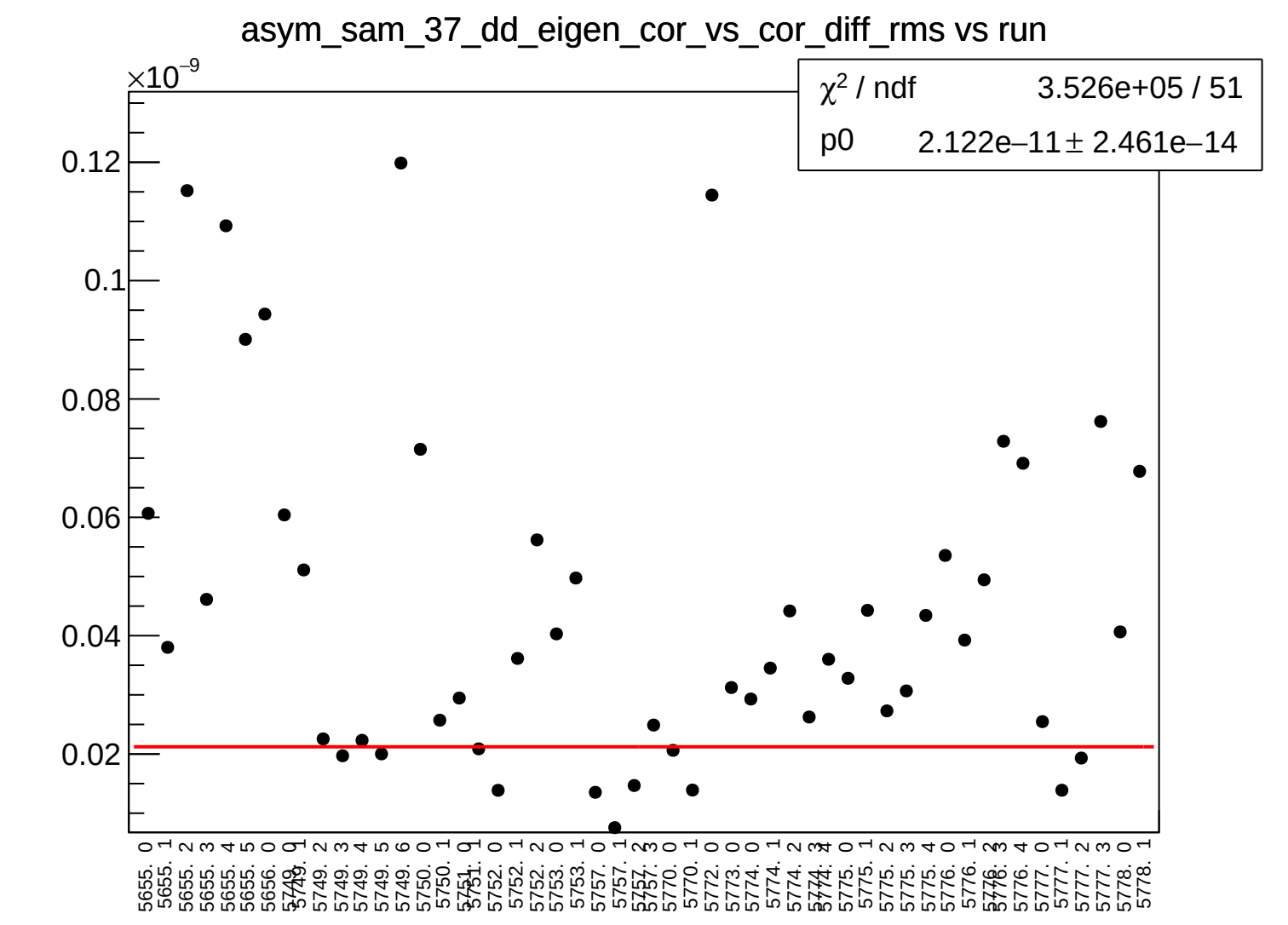

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.506e+05 / 51
p0 44.44 ± 0.0457
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

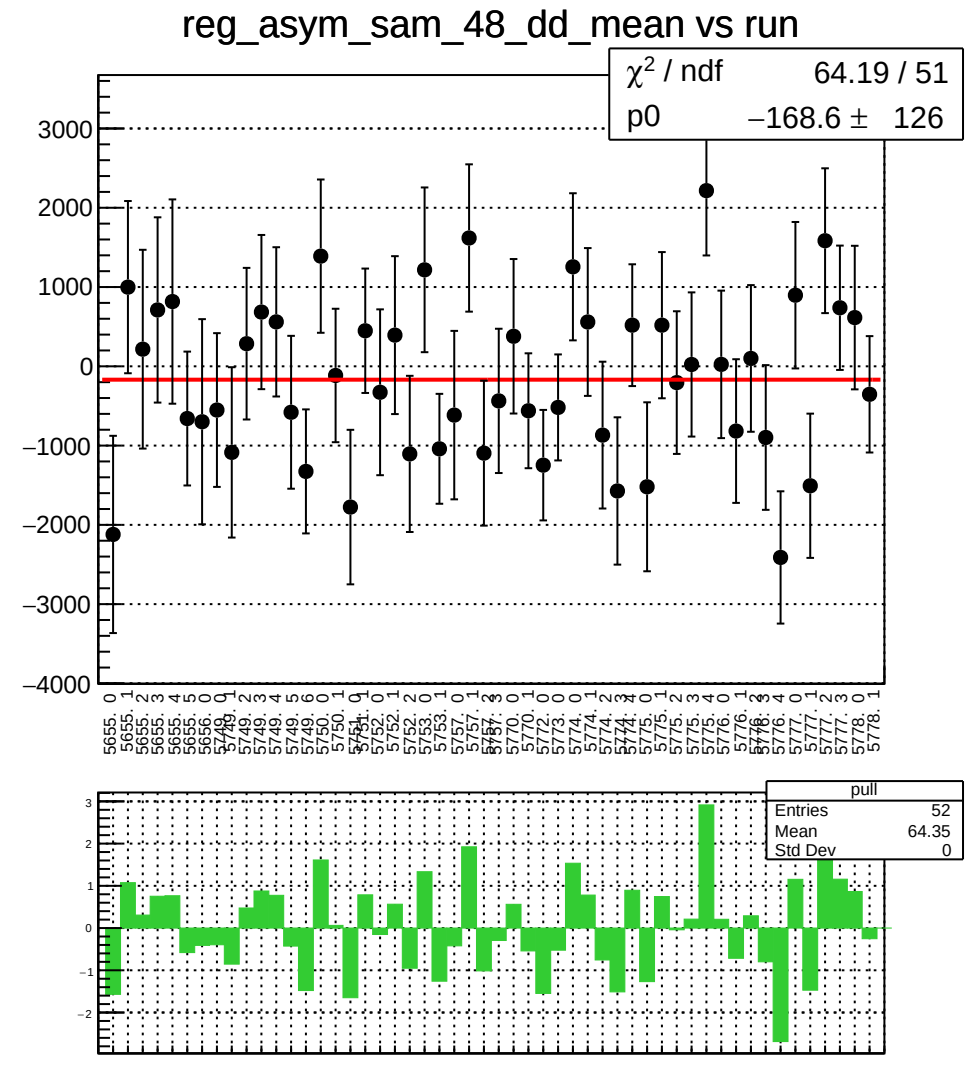

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.19 / 51
p0 0.003455 ± 0.06463
pull
Entries 52
Mean 261
Std Dev 0
pull1D
Entries 52
Mean 0.004731
Std Dev 0.9626

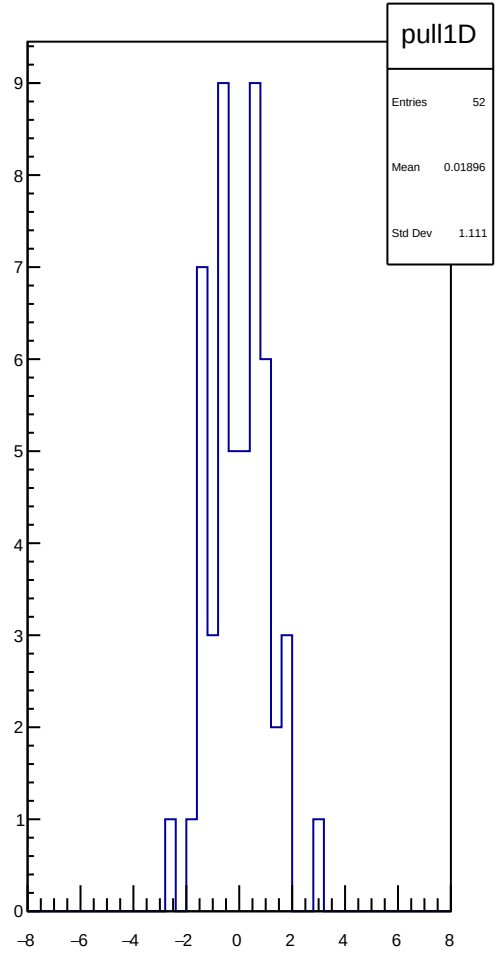

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.506e+05 / 51
p0 44.44 ± 0.0457
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

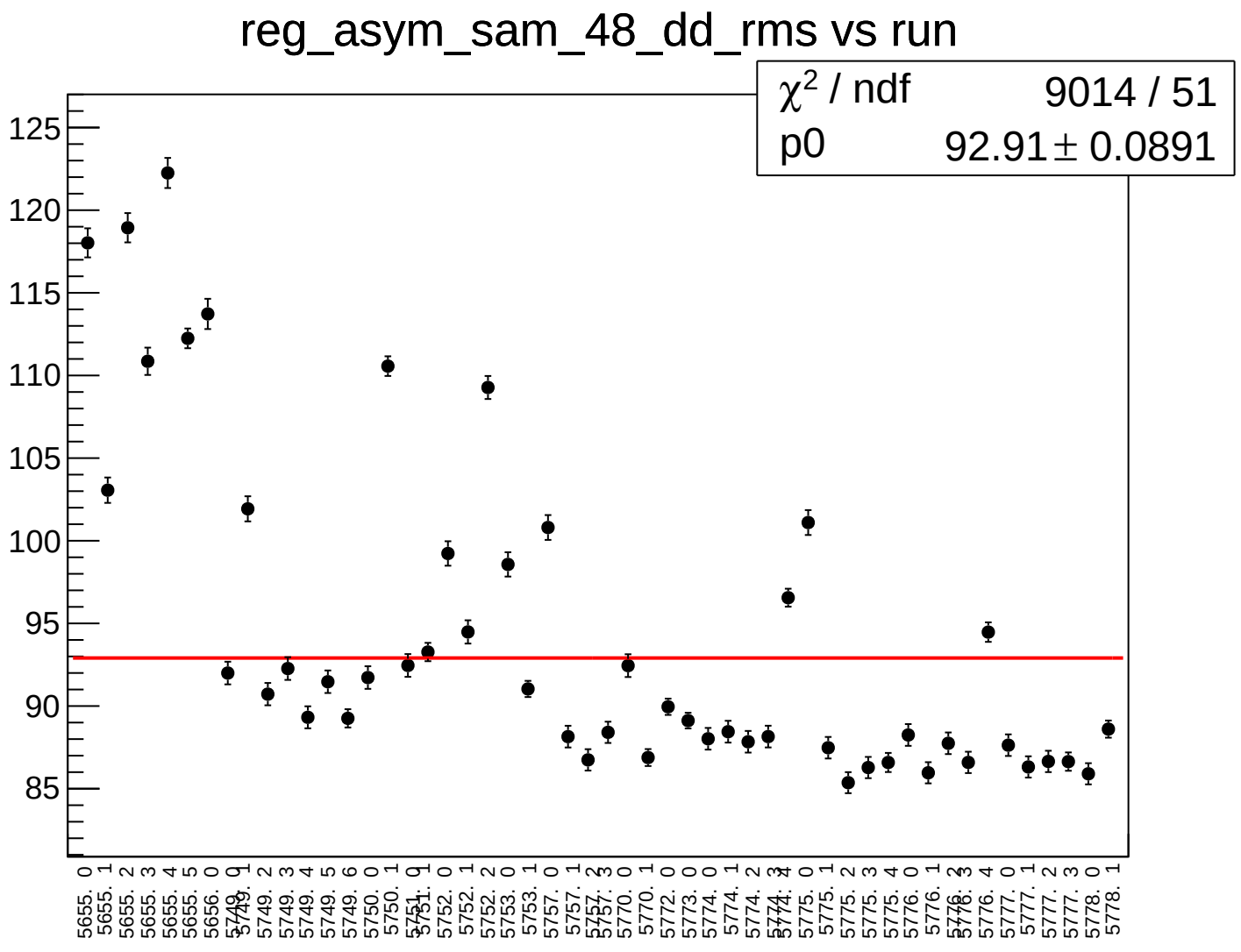

asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 70.61 / 51
p0 1.87e−14 ± 3.48e−14
pull
Entries 52
Mean −5.876
Std Dev 15.88


pull1D
Entries 52
Mean 0.06787
Std Dev 1.163


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.526e+05 / 51
p0 2.122e−11 ± 2.461e−14
0.12
0.1
0.08
0.06
0.04
0.02
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


reg_asym_sam_48_dd_mean vs run
χ² / ndf 64.19 / 51
p0 −168.6 ± 126
pull
Entries 52
Mean 64.35
Std Dev 0


pull1D
Entries 52
Mean 0.01896
Std Dev 1.111


reg_asym_sam_48_dd_rms vs run
χ^2 / ndf 9014 / 51
p0 92.91 ± 0.0891
125
120
115
110
105
100
95
90
85
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5773. 0
5774. 0
5774. 1
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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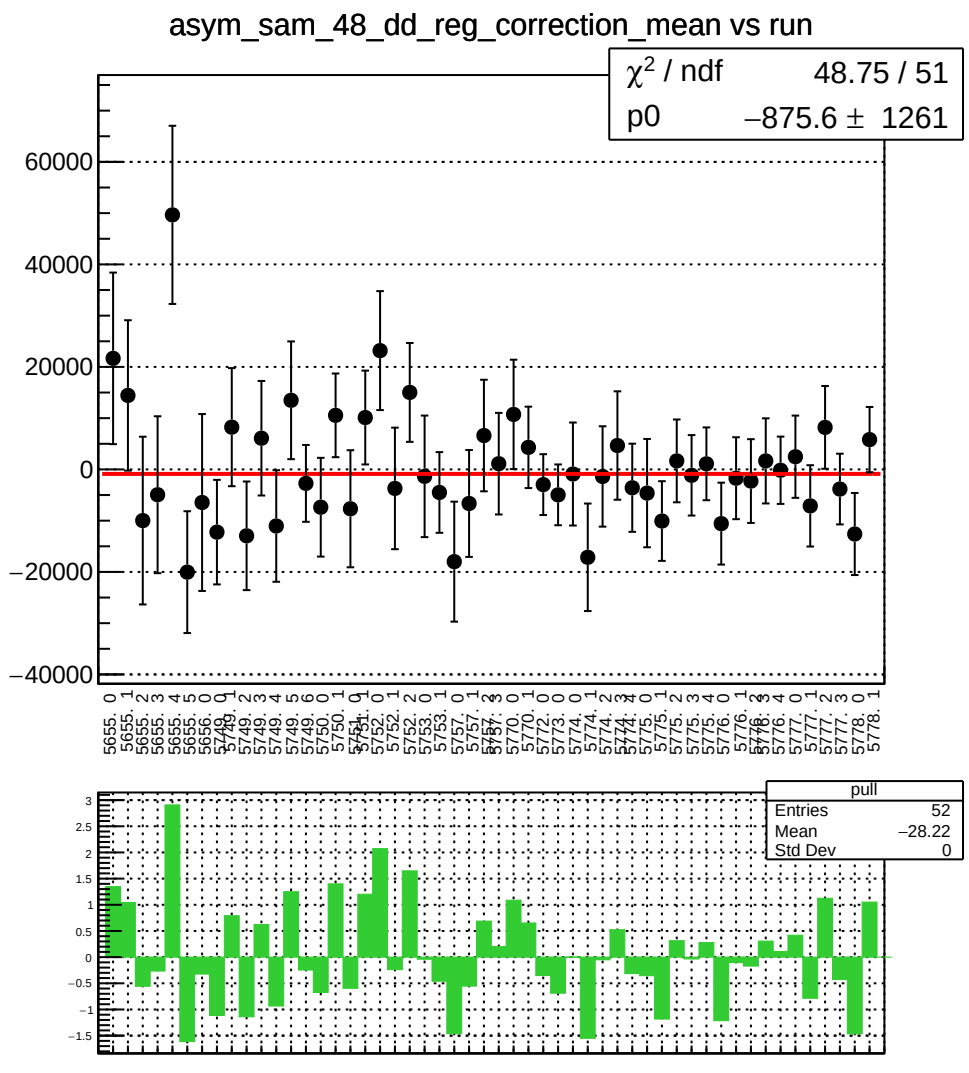
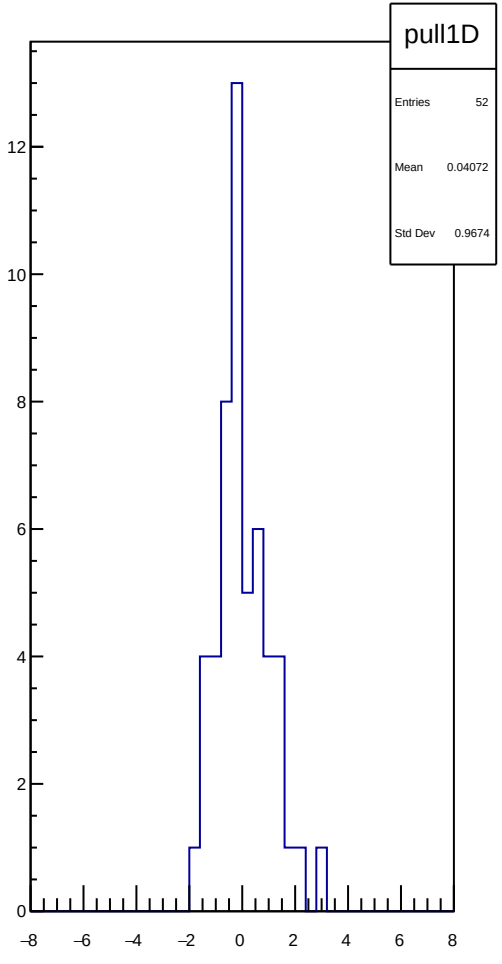
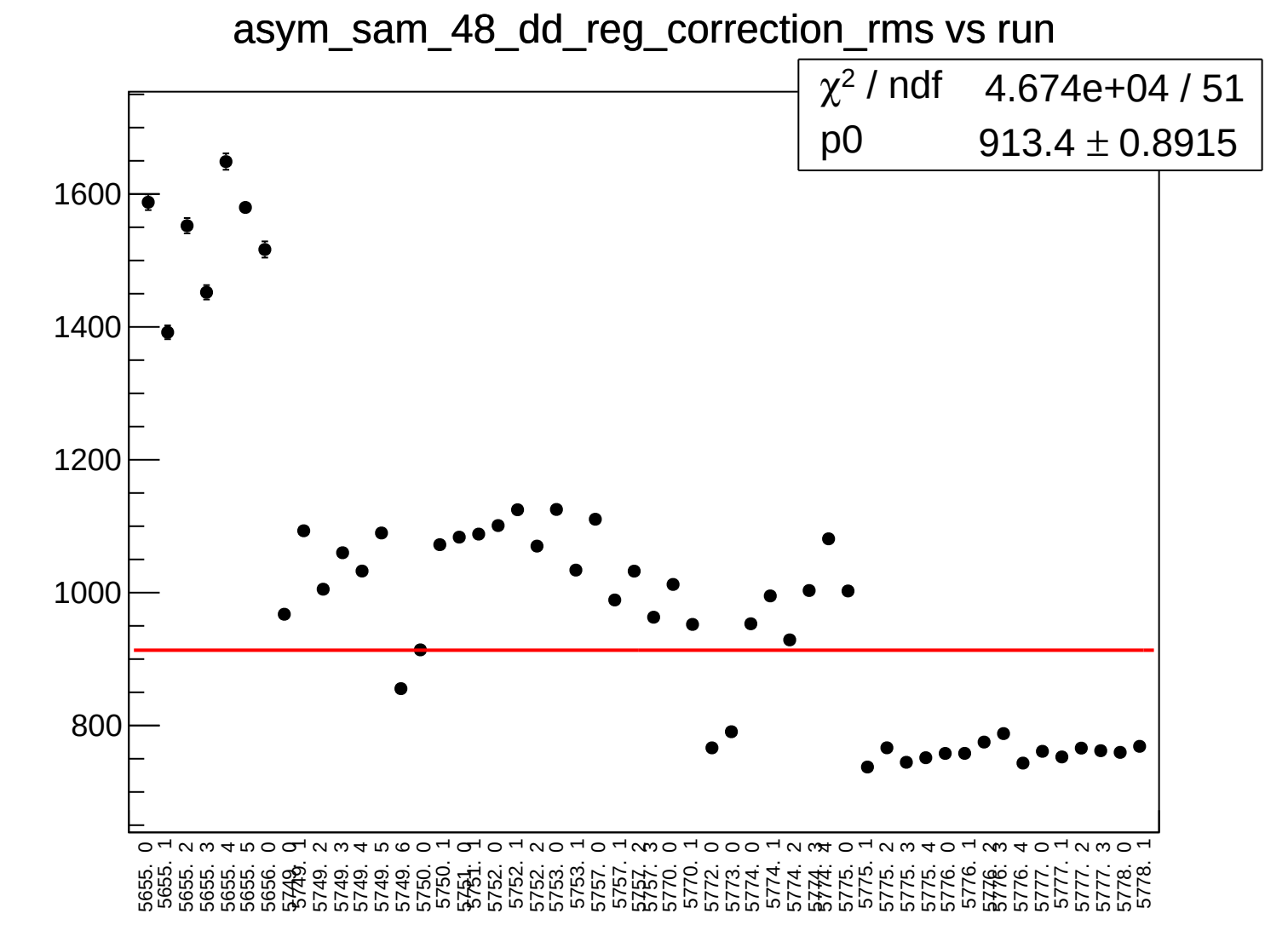
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_48_dd_reg_correction_mean vs run
χ² / ndf 48.75 / 51
p0 −875.6 ± 1261
60000
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −28.22
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 52
Mean 0.04072
Std Dev 0.9674
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_dd_reg_correction_rms vs run
χ² / ndf 4.674e+04 / 51
p0 913.4 ± 0.8915
1600
1400
1200
1000
800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
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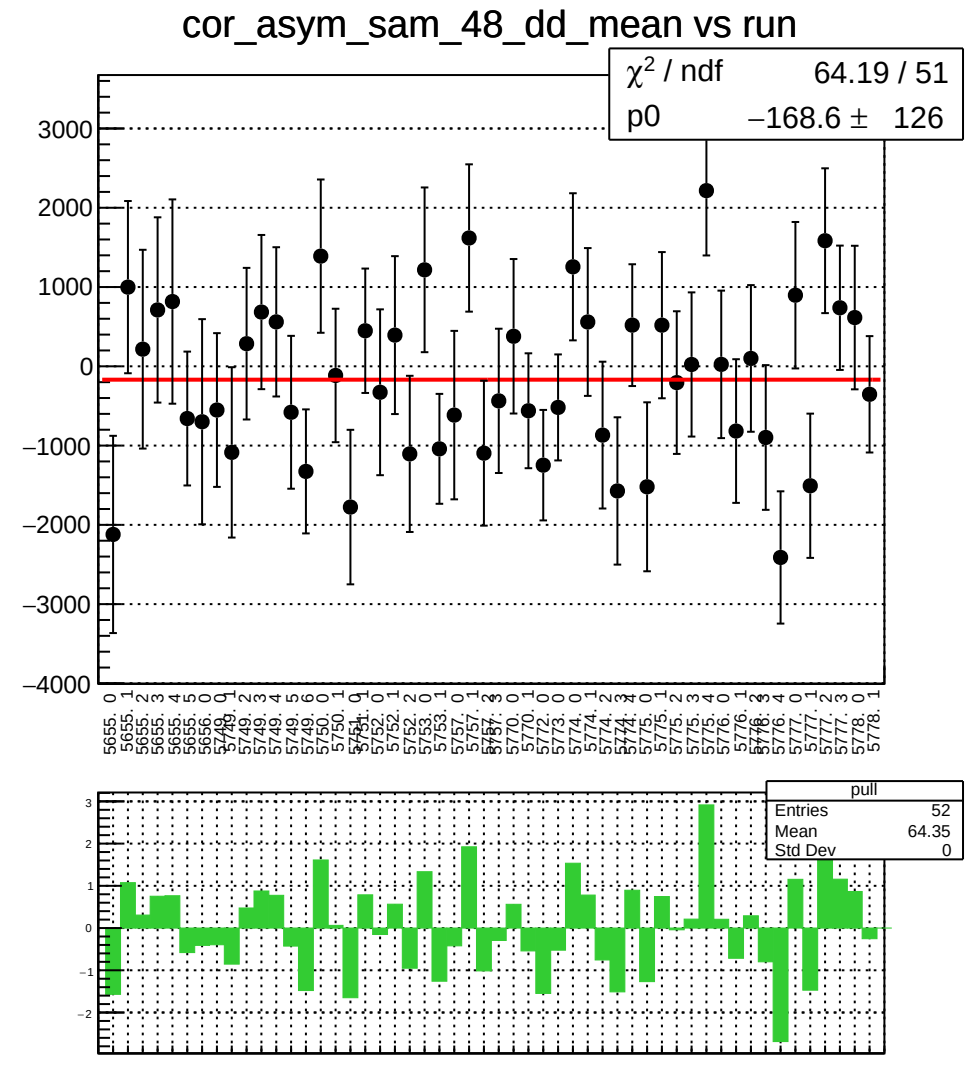
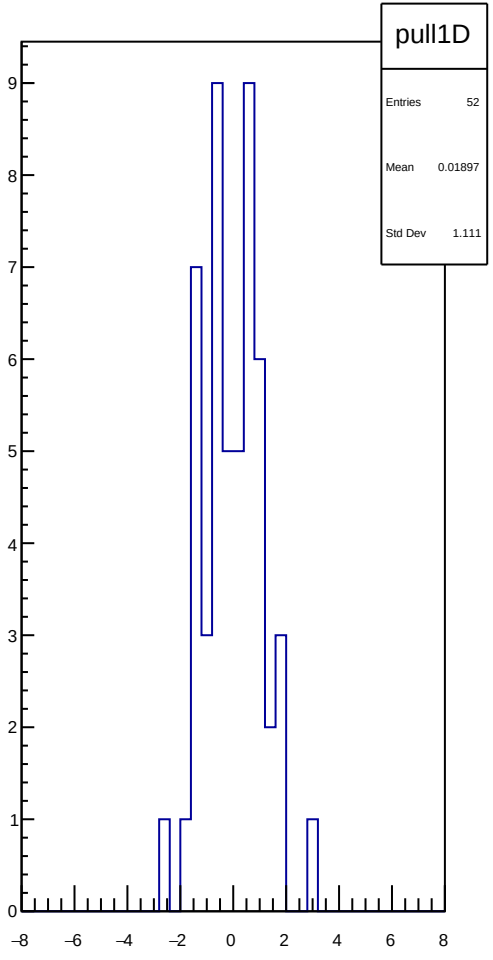
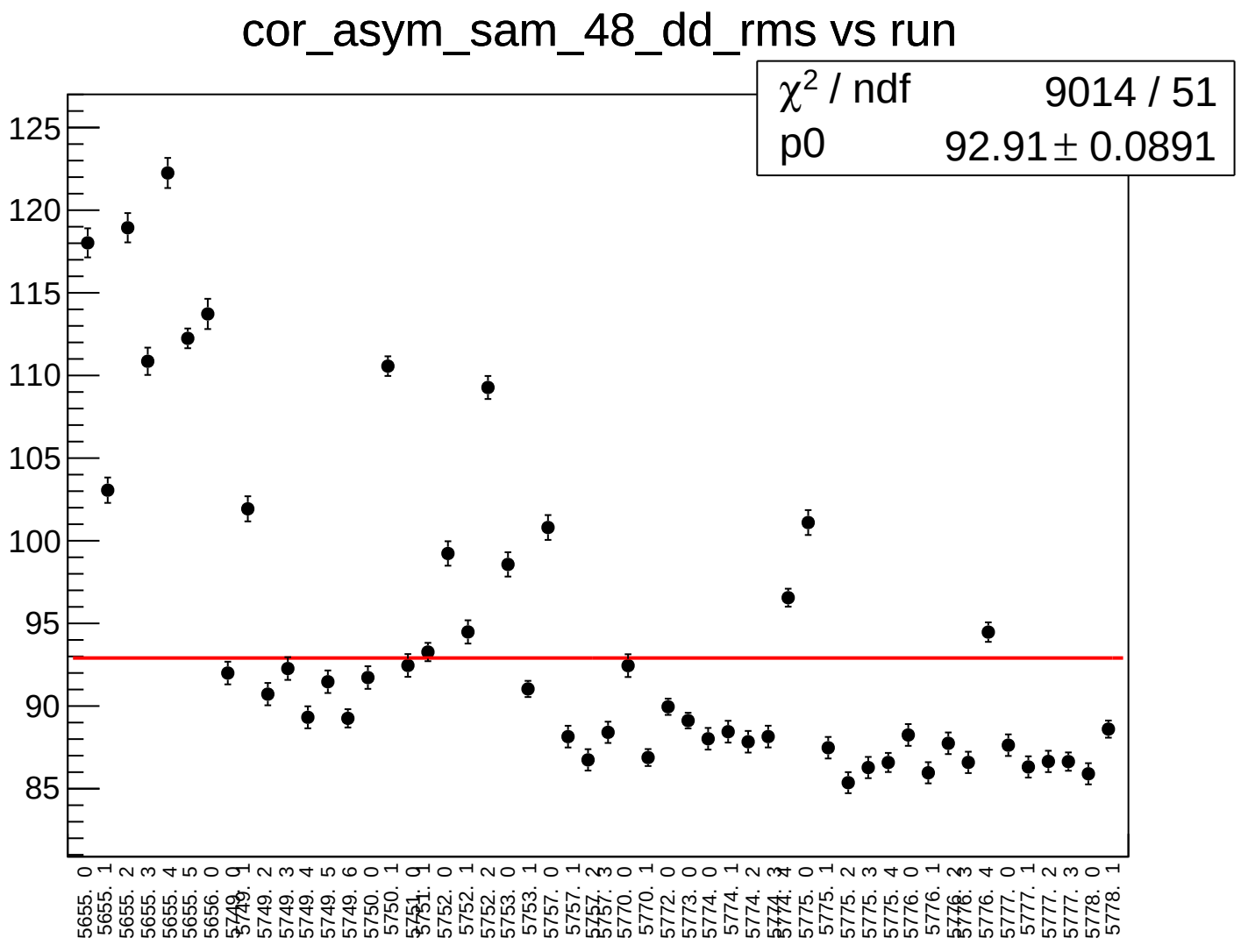
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_sam_48_dd_mean vs run
χ² / ndf 64.19 / 51
p0 −168.6 ± 126
pull
Entries 52
Mean 64.35
Std Dev 0


pull1D
Entries 52
Mean 0.01897
Std Dev 1.111


cor_asym_sam_48_dd_rms vs run
χ^2 / ndf 9014 / 51
p0 92.91 ± 0.0891
125
120
115
110
105
100
95
90
85
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
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5751. 0
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5752. 0
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5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5776. 0
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5776. 4
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5777. 2
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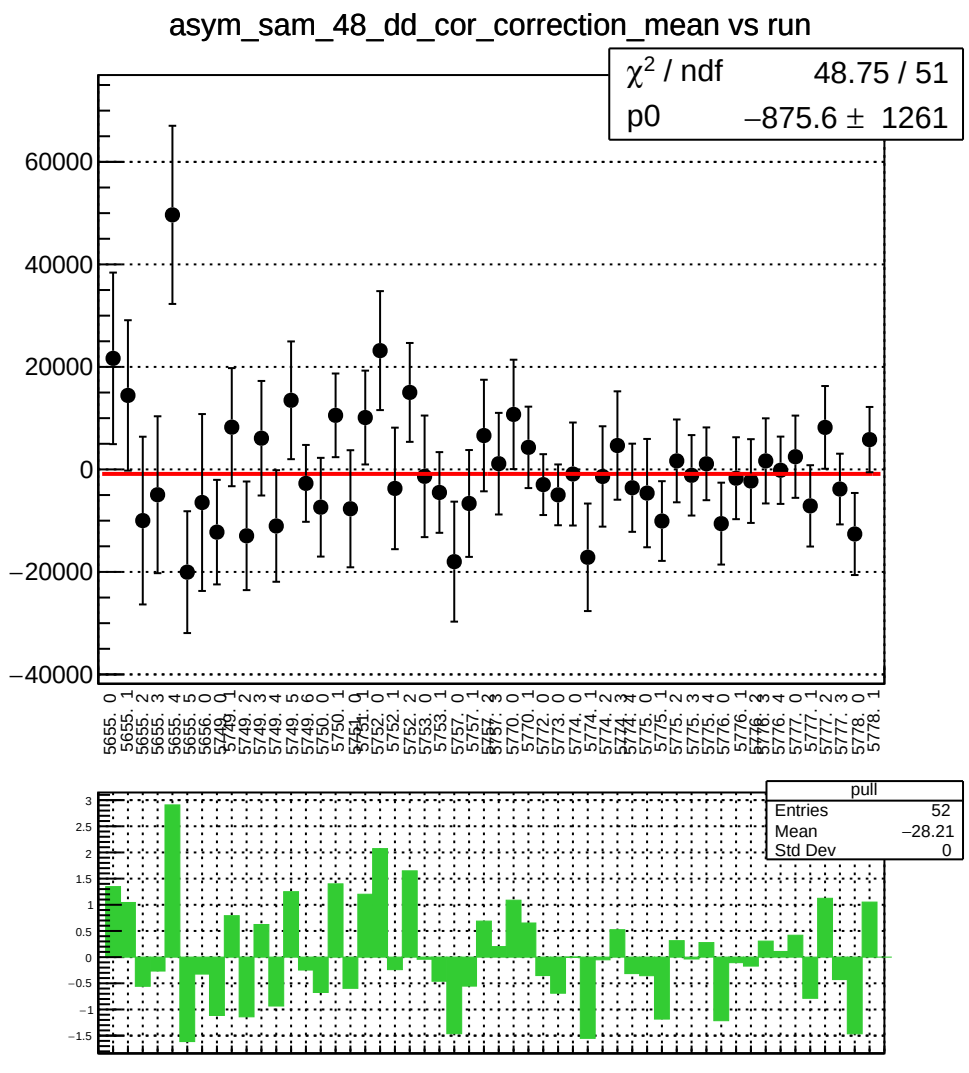
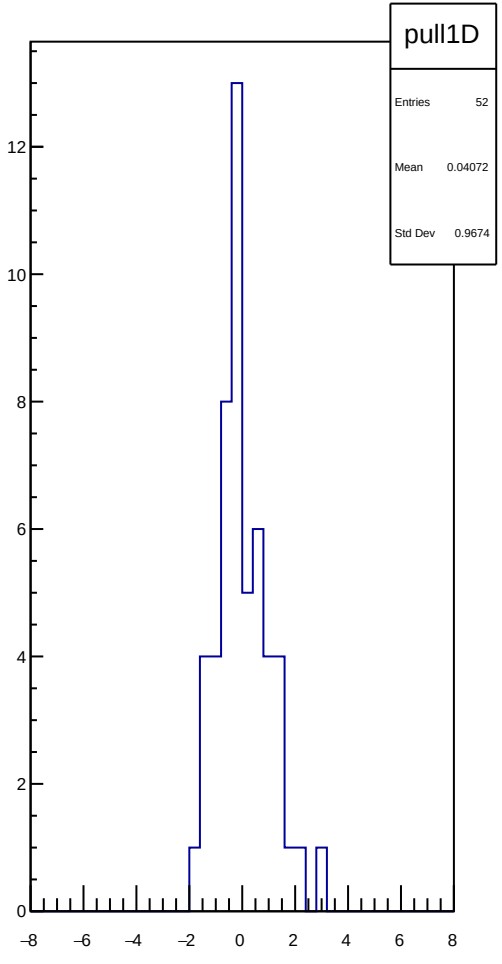
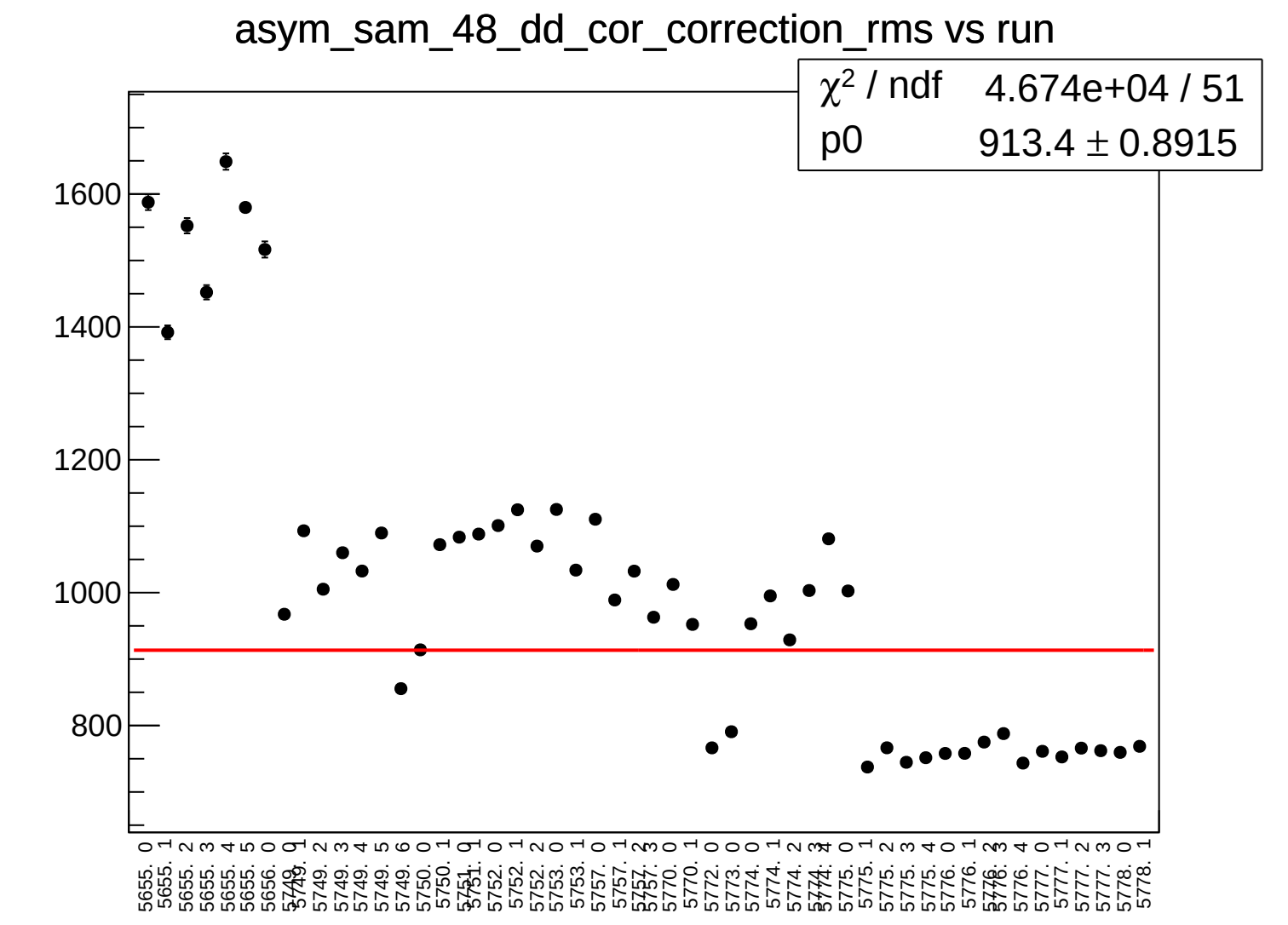
5778. 1


asym_sam_48_dd_cor_correction_mean vs run
χ² / ndf 48.75 / 51
p0 −875.6 ± 1261
60000
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −28.21
Std Dev 0


pull1D
Entries 52
Mean 0.04072
Std Dev 0.9674


asym_sam_48_dd_cor_correction_rms vs run
χ² / ndf 4.674e+04 / 51
p0 913.4 ± 0.8915
1600
1400
1200
1000
800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
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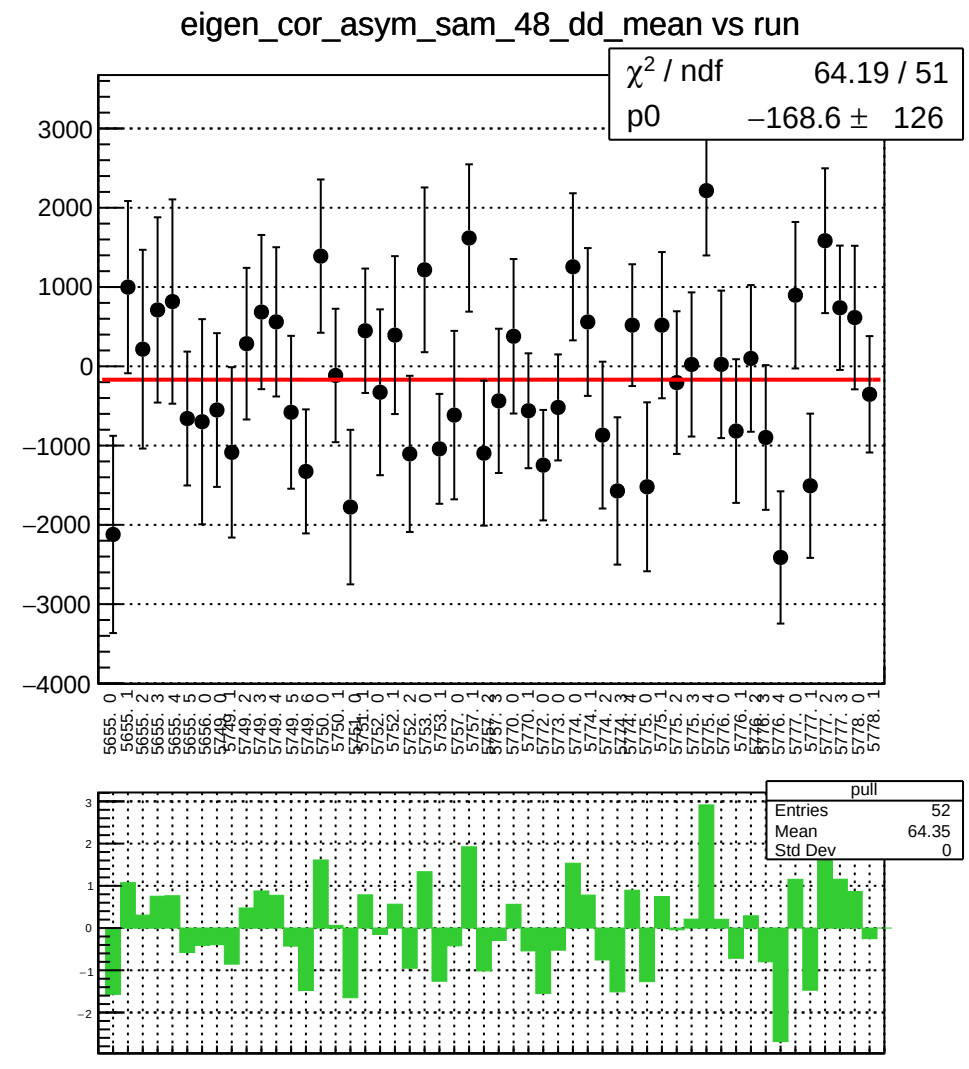
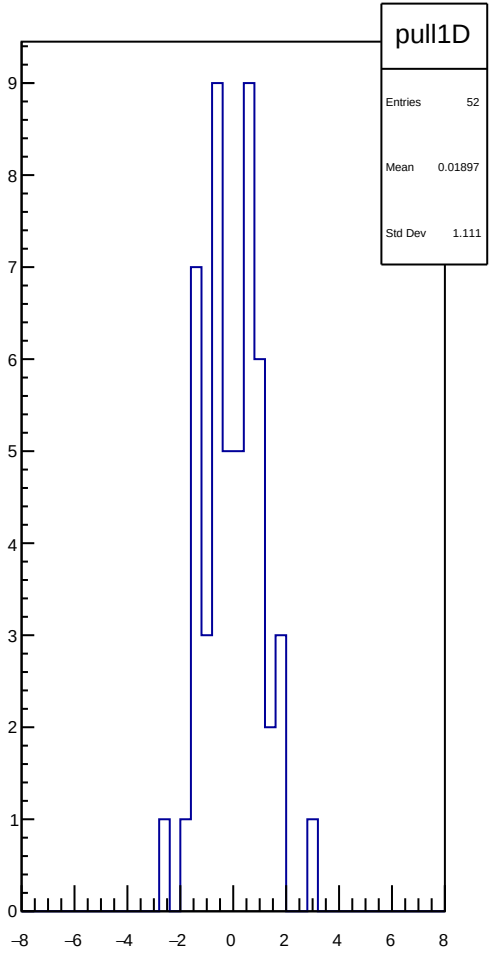
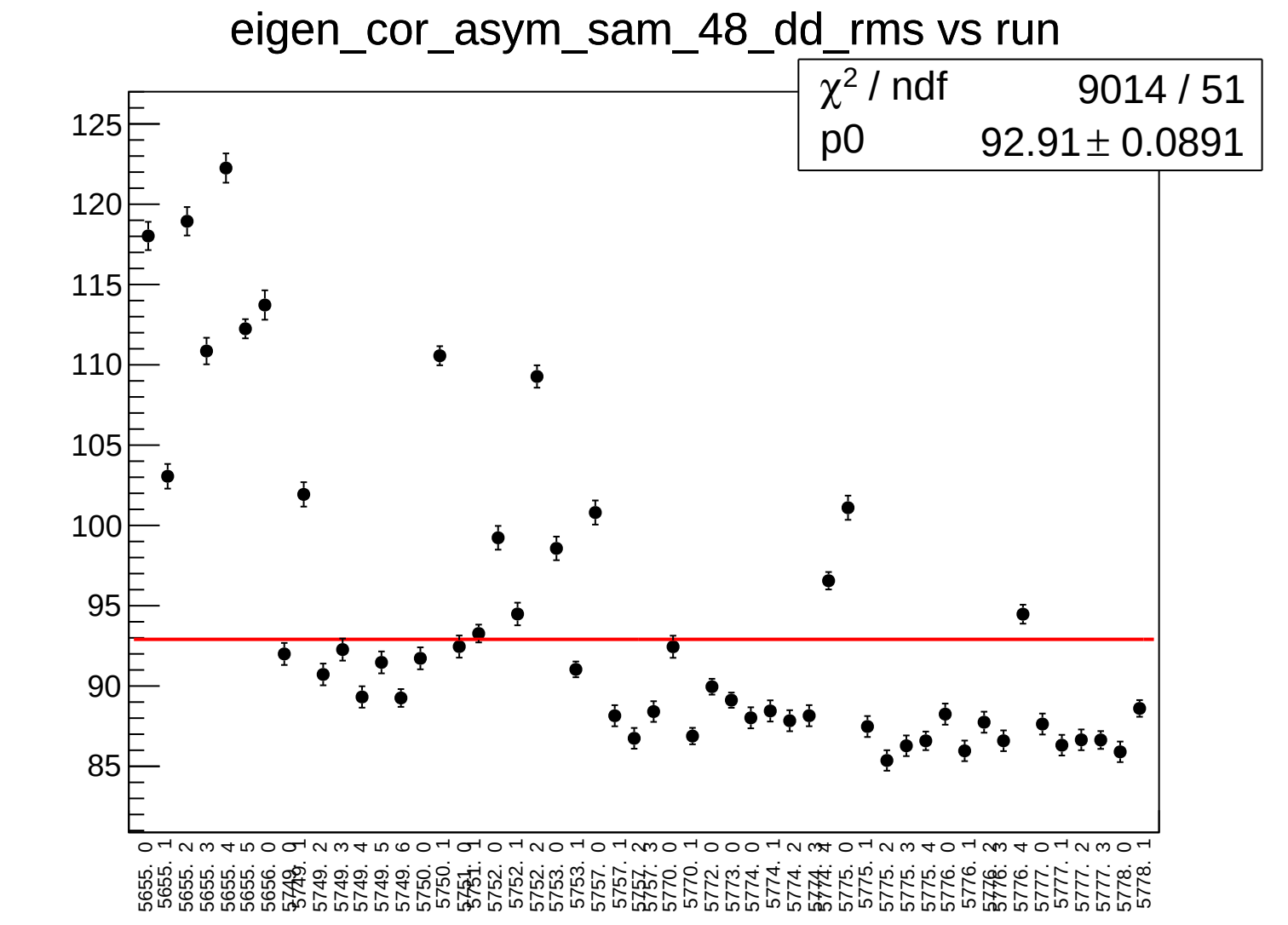
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_sam_48_dd_mean vs run
χ² / ndf 64.19 / 51
p0 −168.6 ± 126
pull
Entries 52
Mean 64.35
Std Dev 0


pull1D
Entries 52
Mean 0.01897
Std Dev 1.111


eigen_cor_asym_sam_48_dd_rms vs run
χ² / ndf 9014 / 51
p0 92.91 ± 0.0891
125
120
115
110
105
100
95
90
85
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
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5775. 2
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5775. 4
5776. 0
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5776. 3
5776. 4
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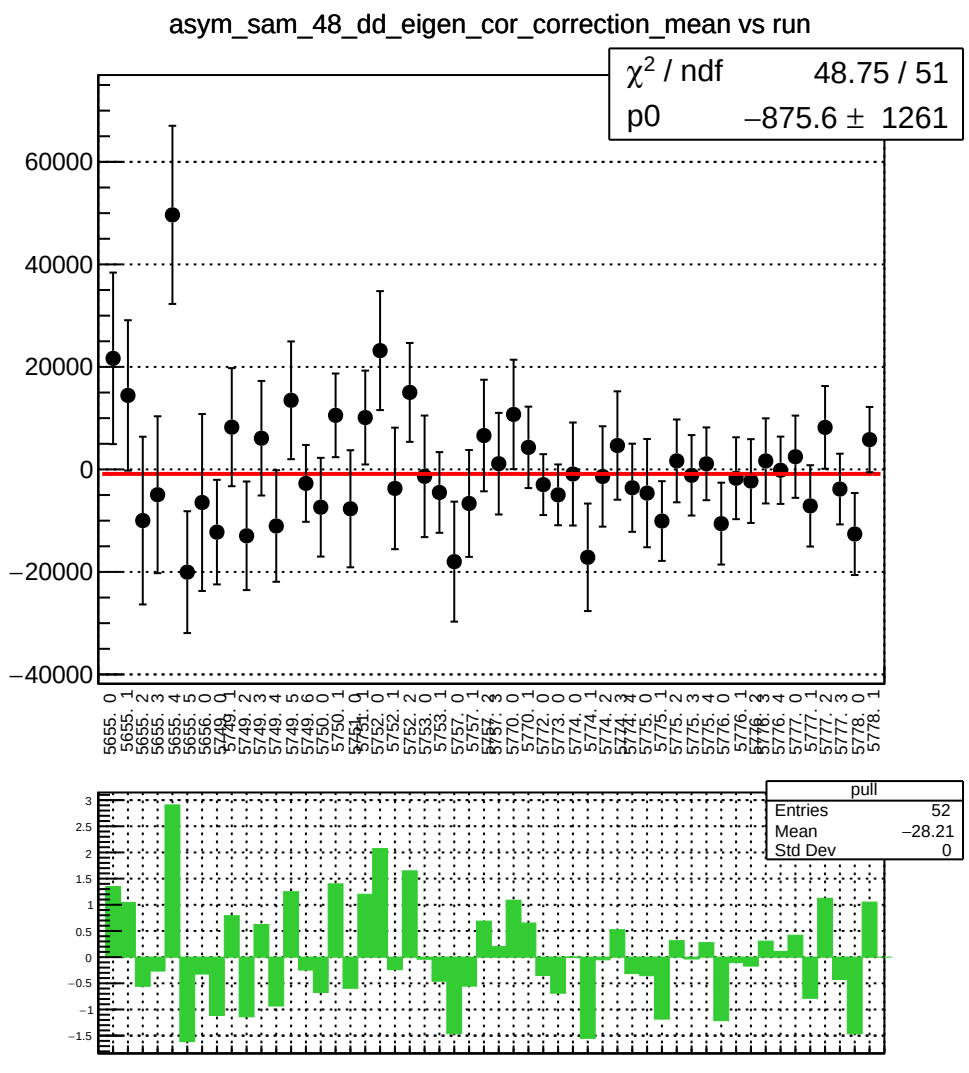
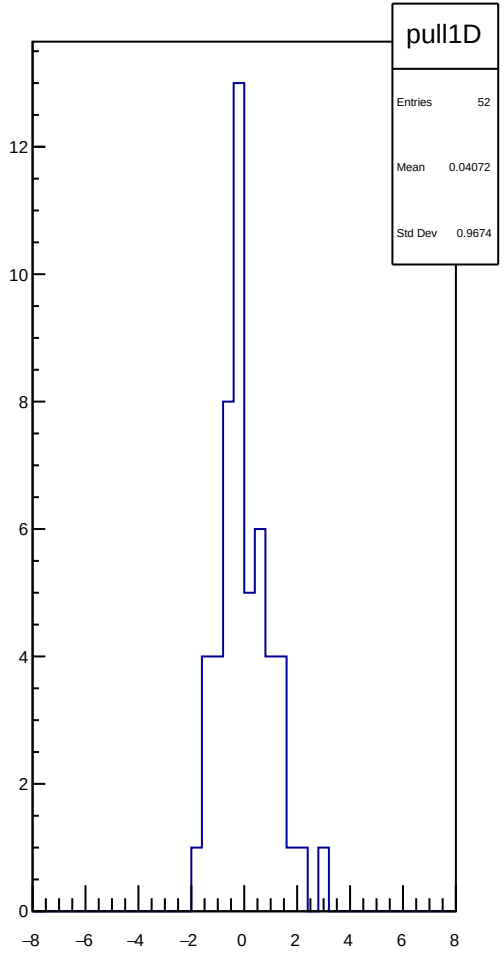
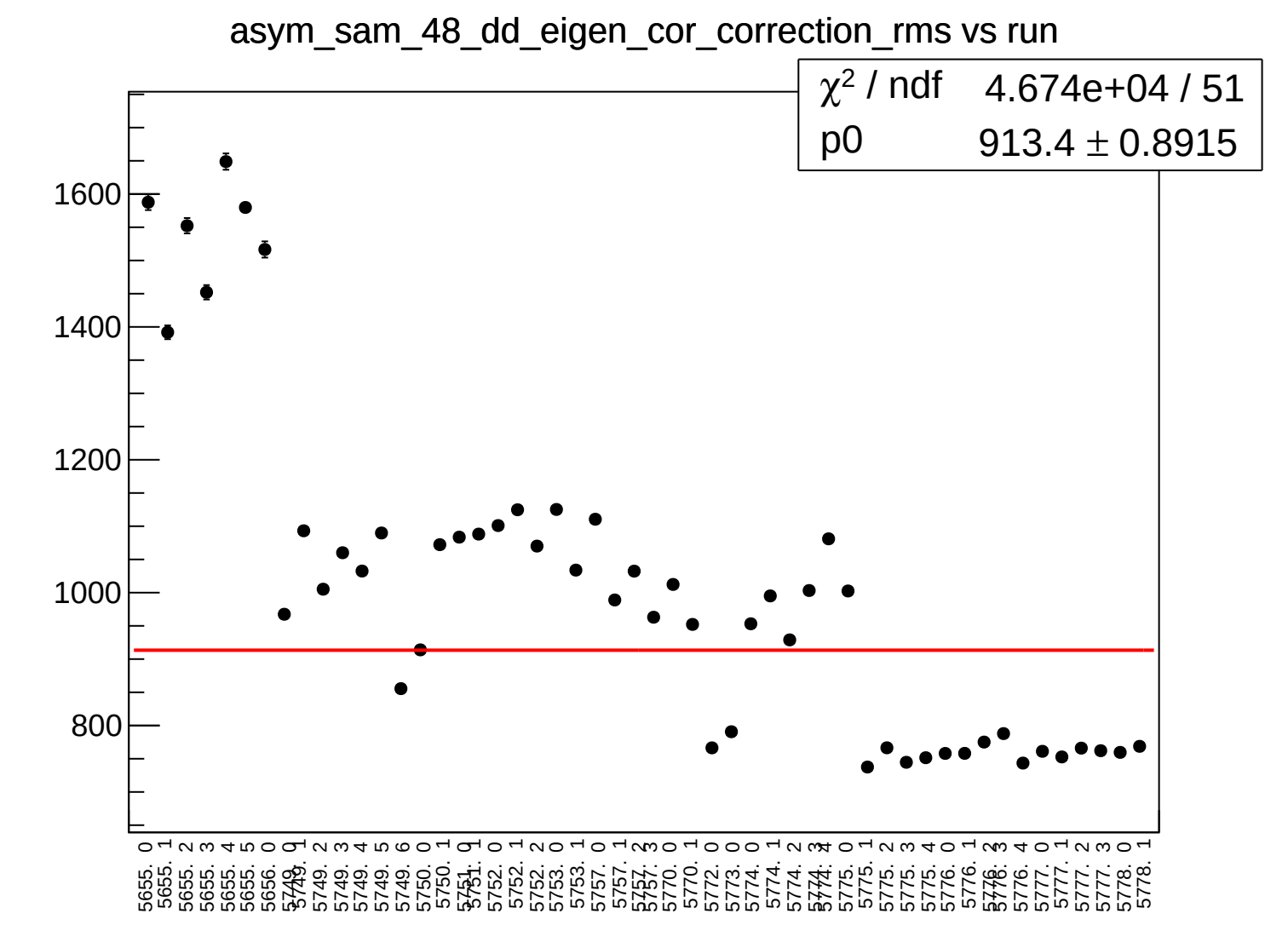
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 48.75 / 51
p0 −875.6 ± 1261
60000
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −28.21
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 52
Mean 0.04072
Std Dev 0.9674
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 4.674e+04 / 51
p0 913.4 ± 0.8915
1600
1400
1200
1000
800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
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5774. 1
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5774. 4
5775. 0
5775. 1
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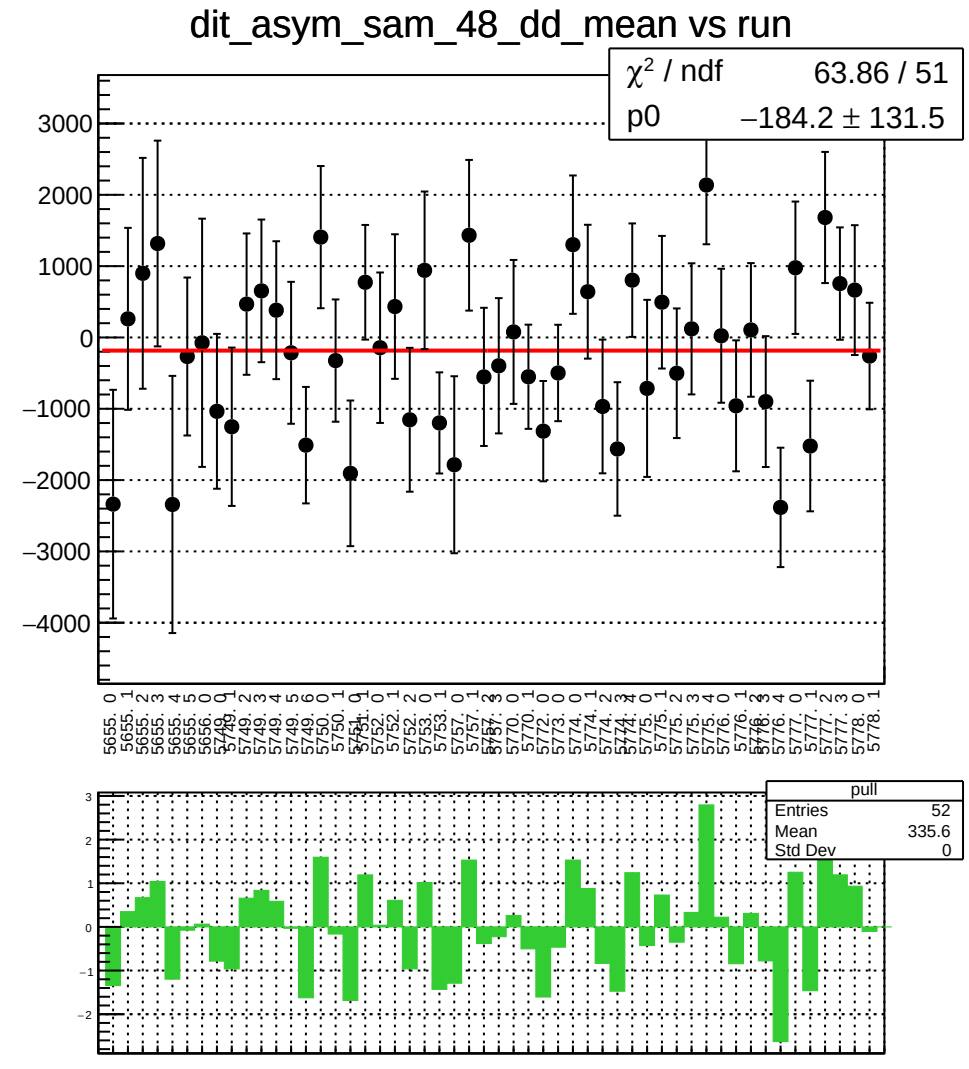
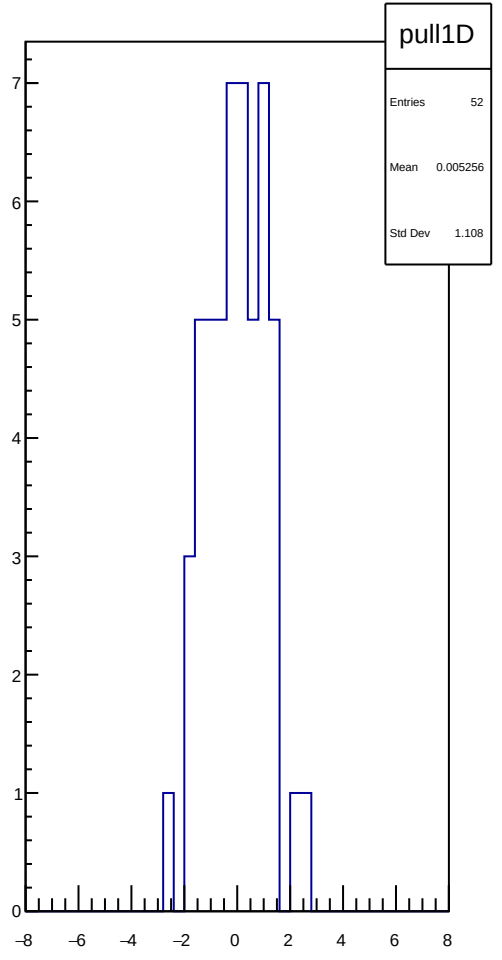
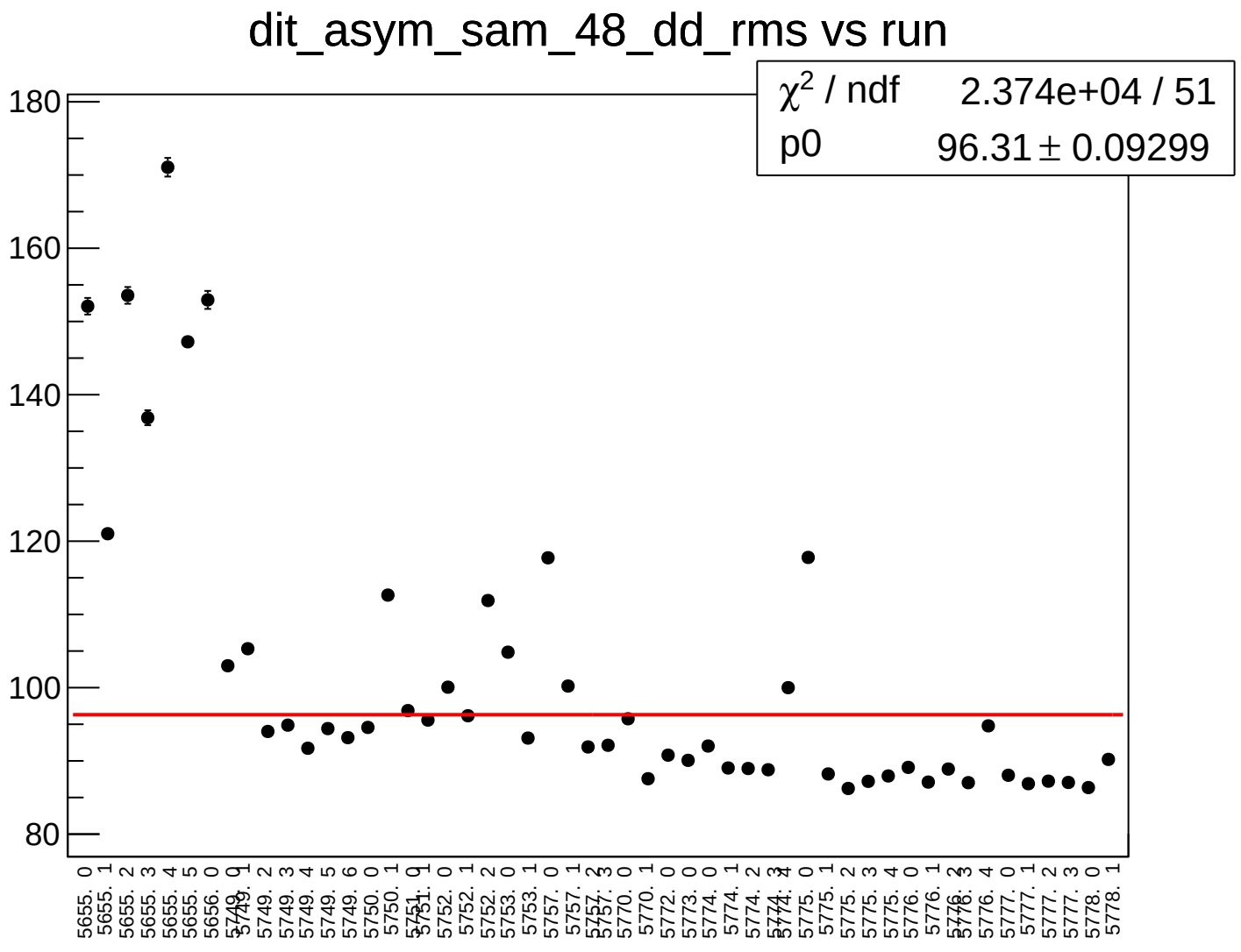
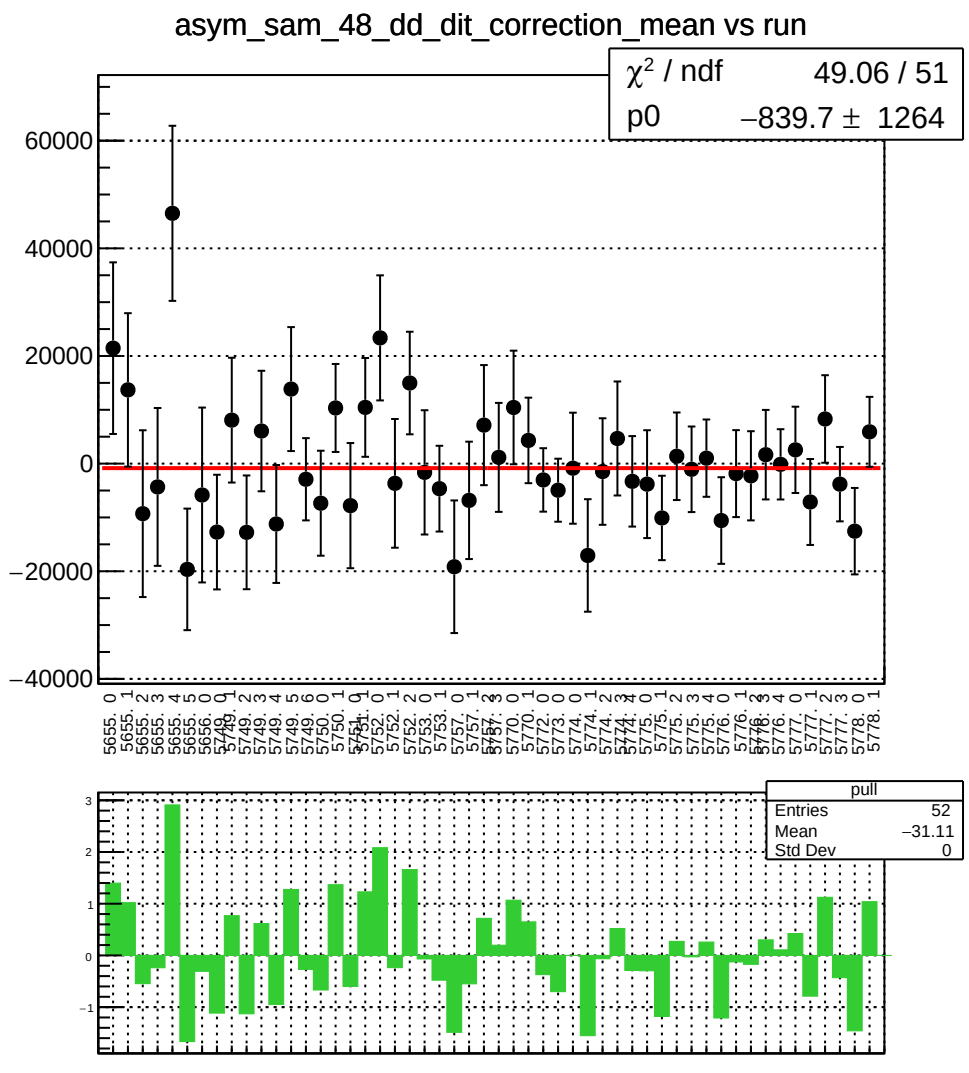
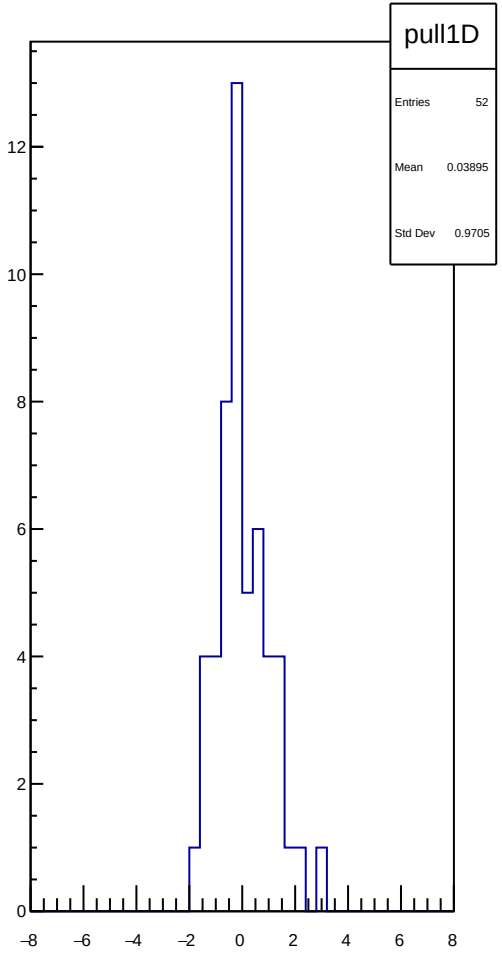
5778. 0
5778. 1

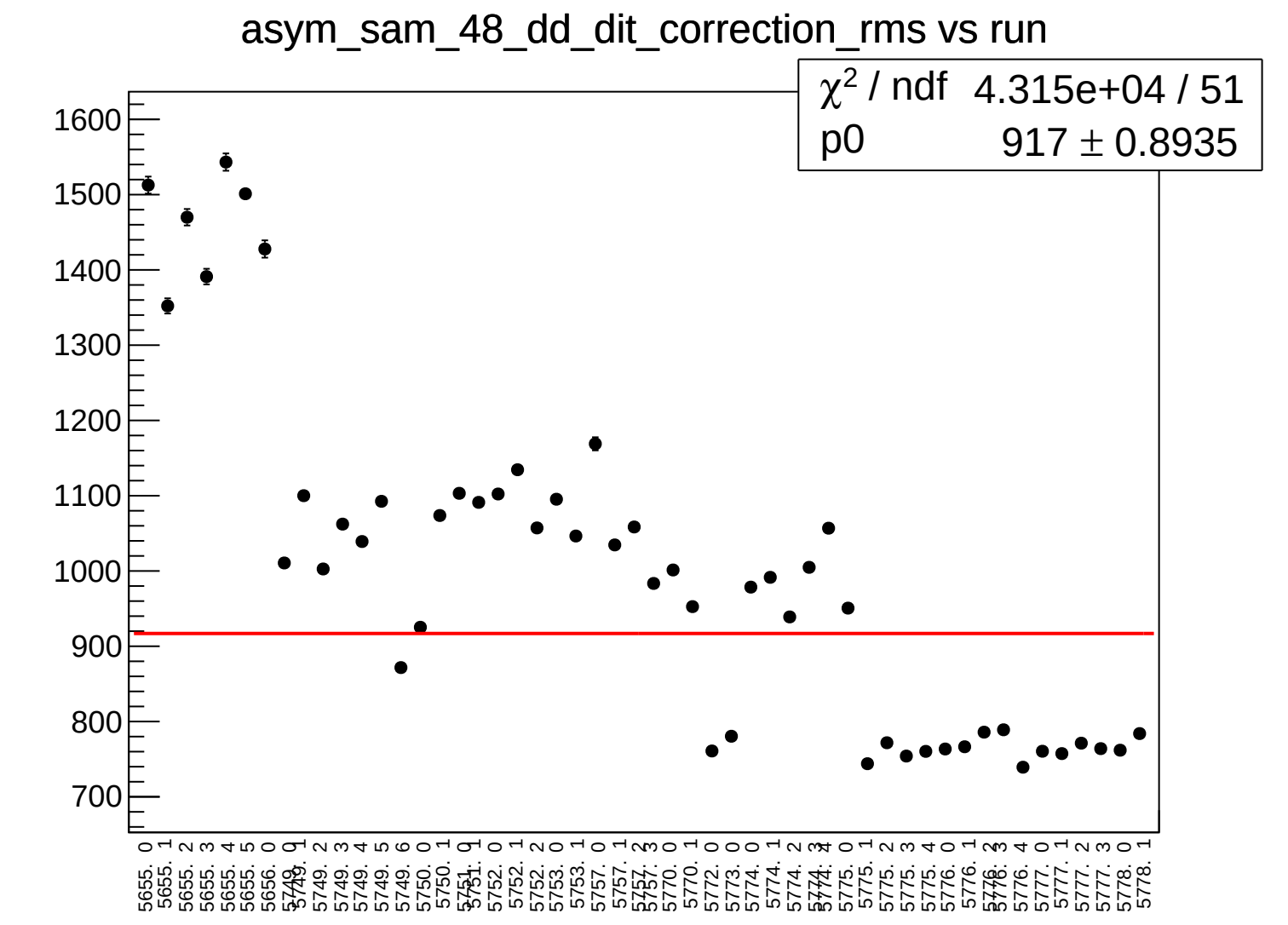

dit_asym_sam_48_dd_mean vs run
χ² / ndf 63.86 / 51
p0 −184.2 ± 131.5
pull
Entries 52
Mean 335.6
Std Dev 0

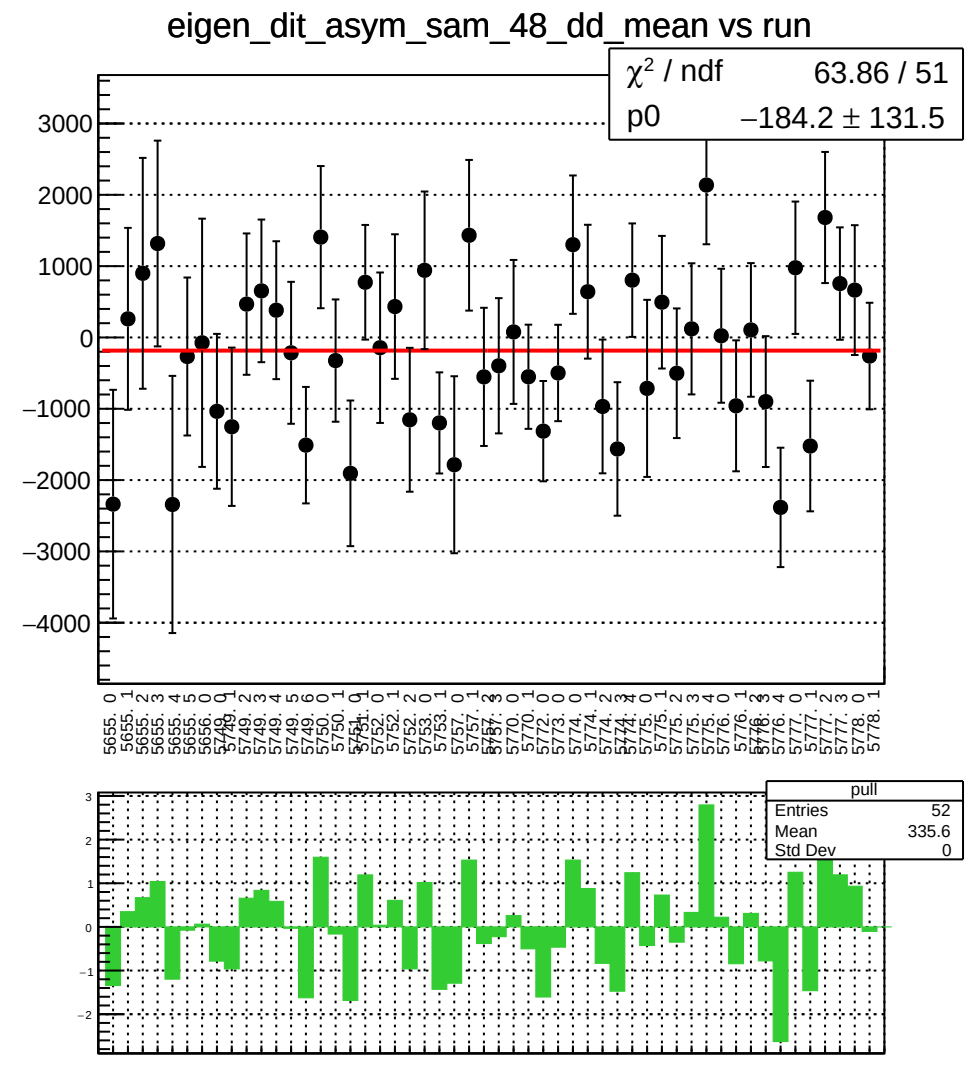

pull1D
Entries 52
Mean 0.005256
Std Dev 1.108

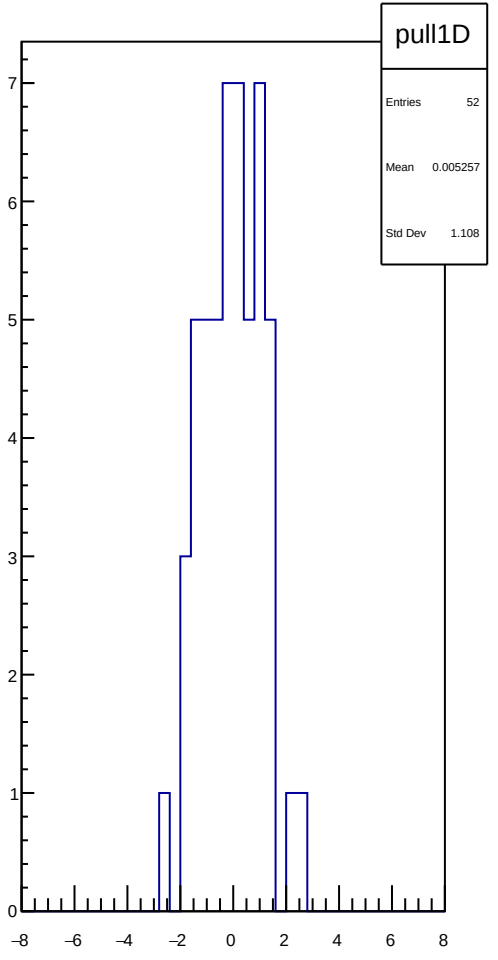

dit_asym_sam_48_dd_rms vs run
χ^2 / ndf 2.374e+04 / 51
p0 96.31 ± 0.09299
180
160
140
120
100
80
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

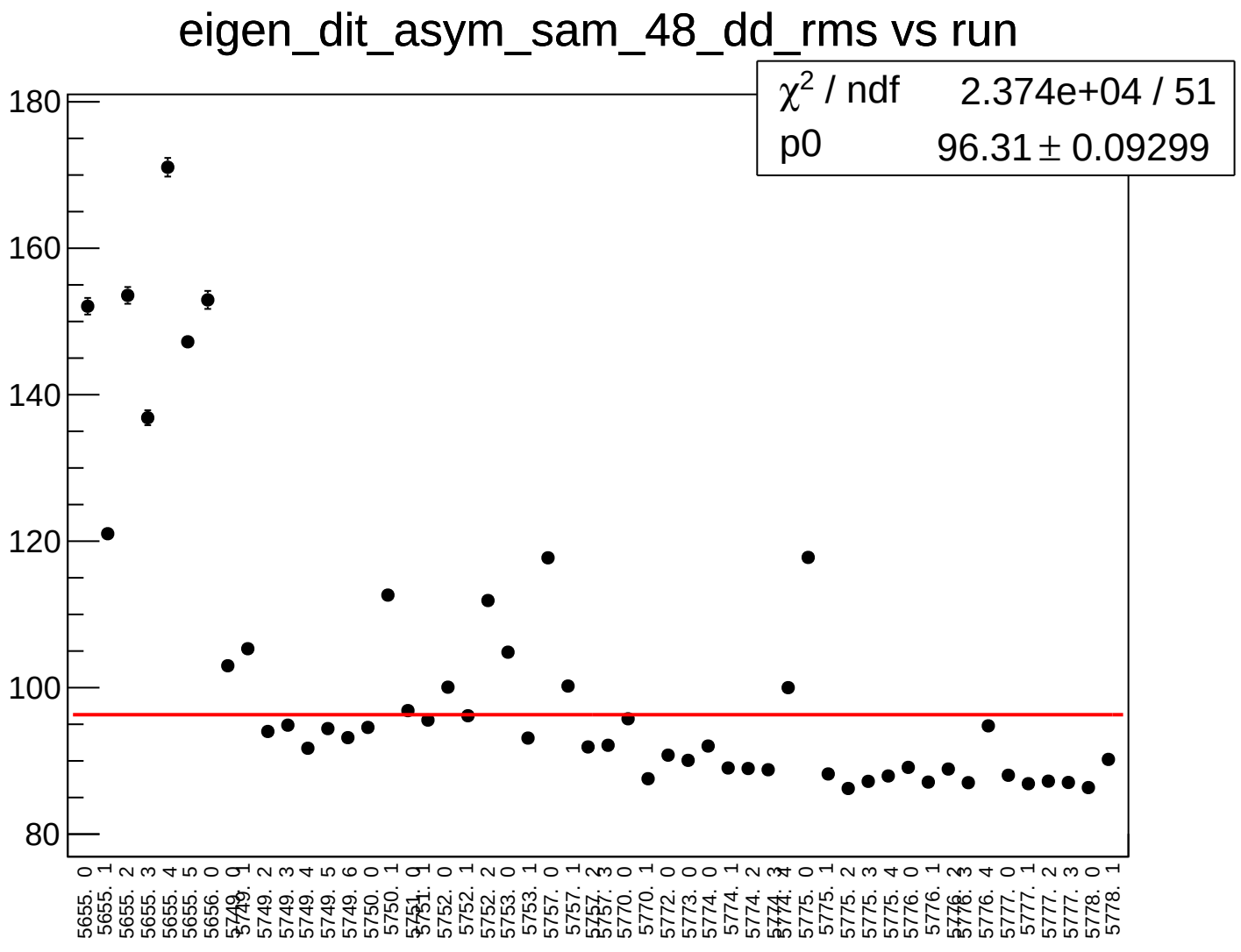

asym_sam_48_dd_dit_correction_mean vs run
χ² / ndf 49.06 / 51
p0 −839.7 ± 1264
60000
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −31.11
Std Dev 0
3
2
1
0
−1

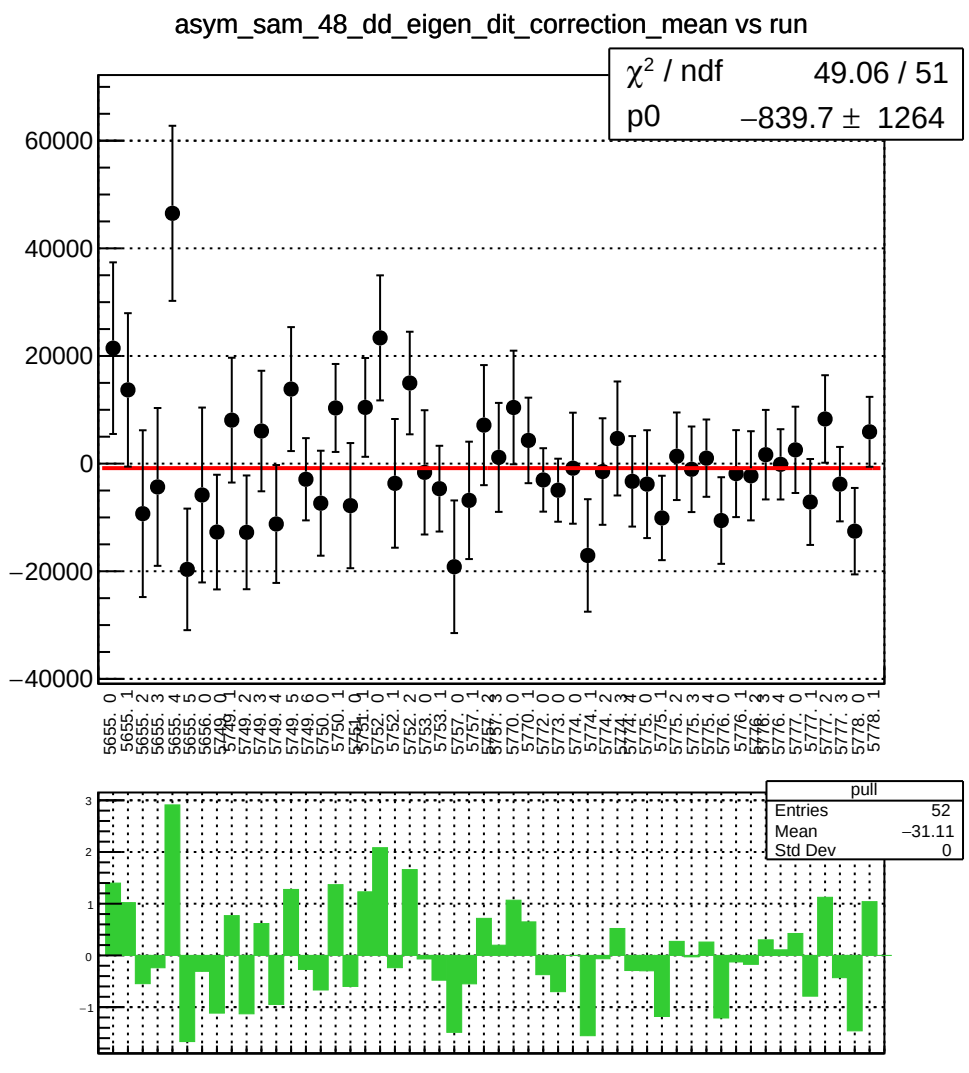

pull1D
Entries 52
Mean 0.03895
Std Dev 0.9705
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

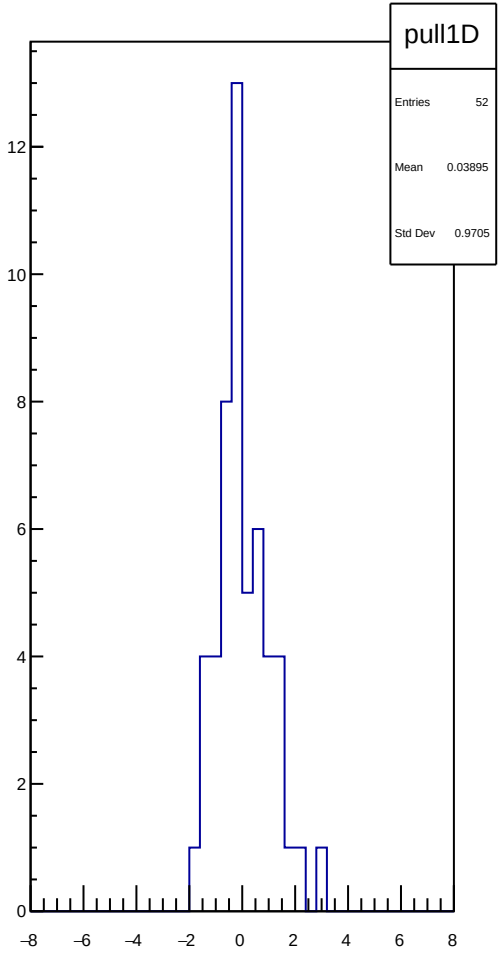

asym_sam_48_dd_dit_correction_rms vs run
χ² / ndf 4.315e+04 / 51
p0 917 ± 0.8935
1600
1500
1400
1300
1200
1100
1000
900
800
700
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

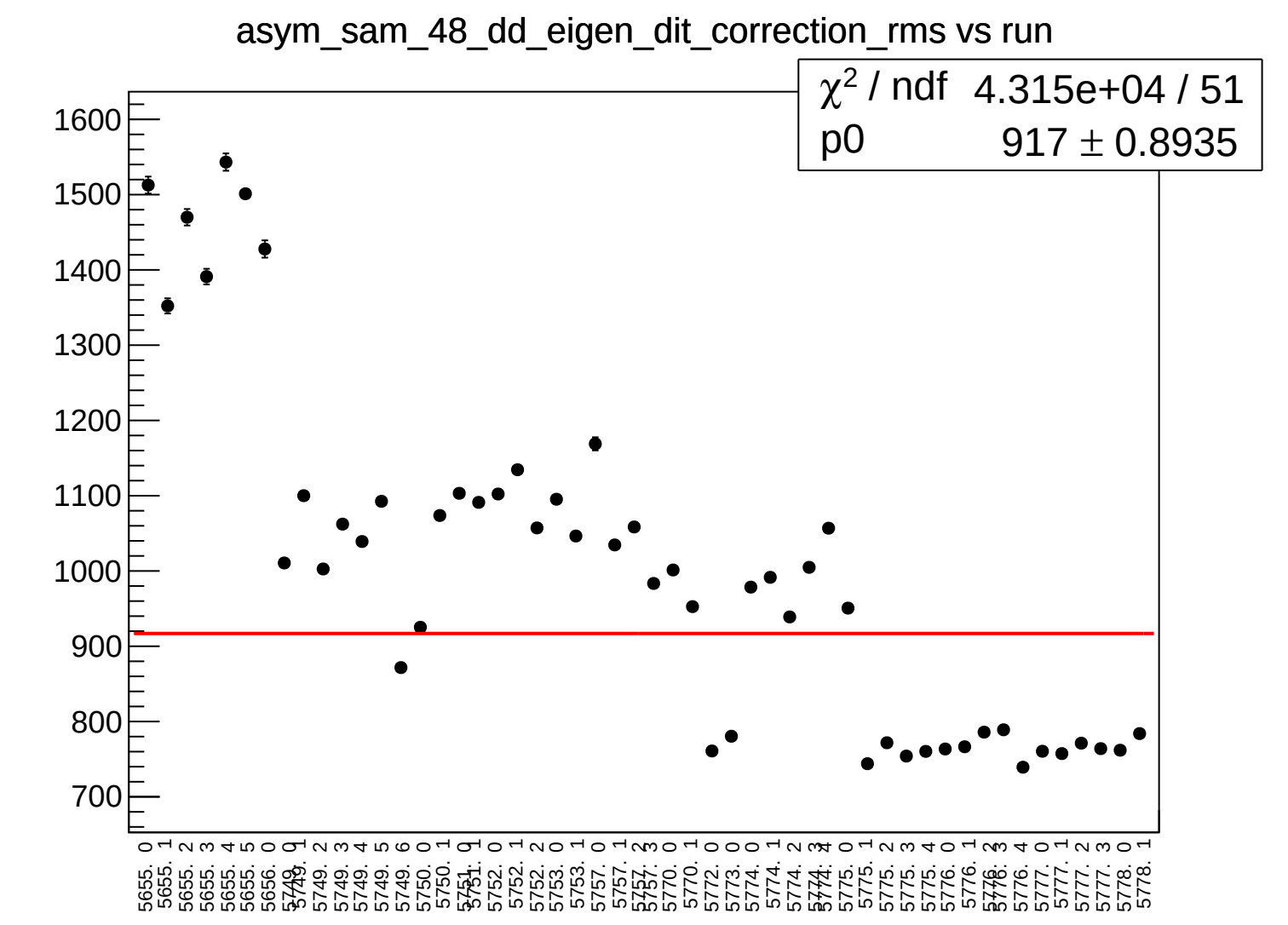

eigen_dit_asym_sam_48_dd_mean vs run
χ² / ndf 63.86 / 51
p0 −184.2 ± 131.5
pull
Entries 52
Mean 335.6
Std Dev 0

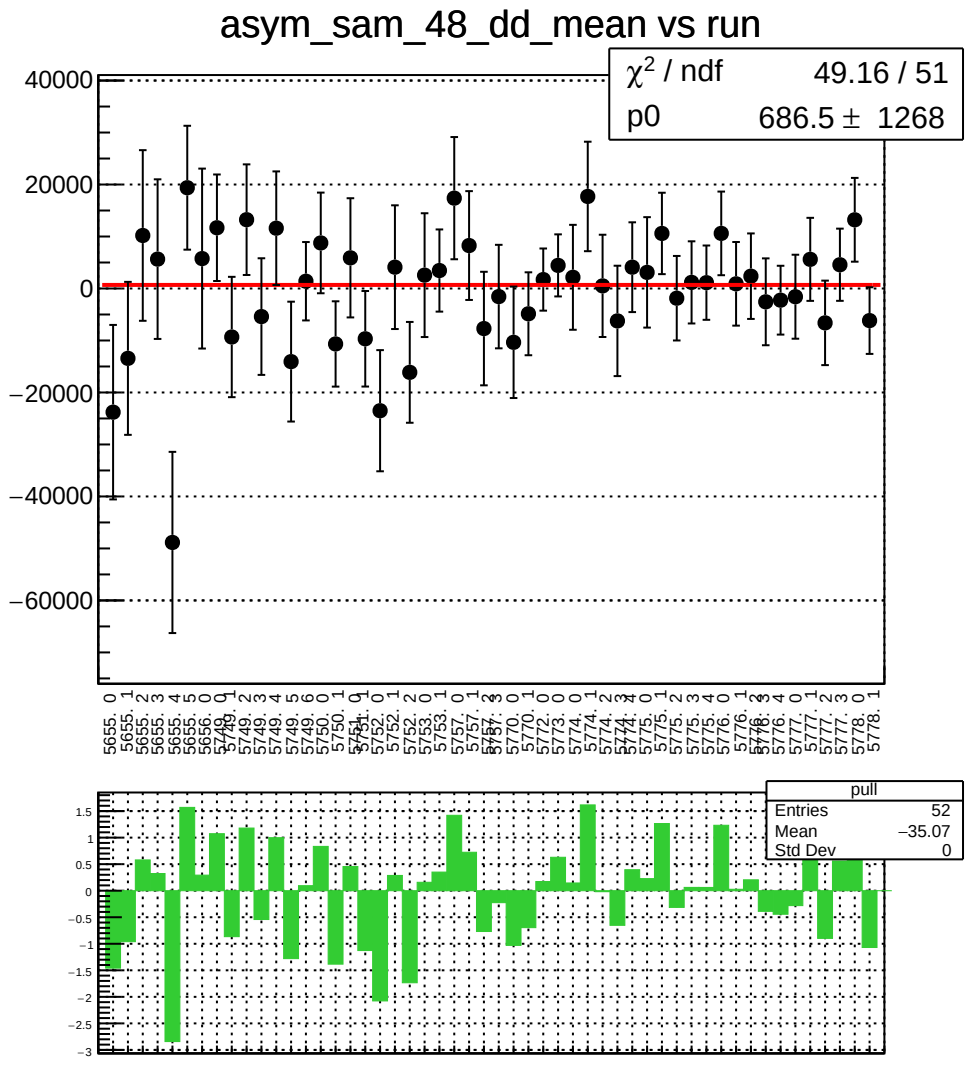

pull1D
Entries 52
Mean 0.005257
Std Dev 1.108

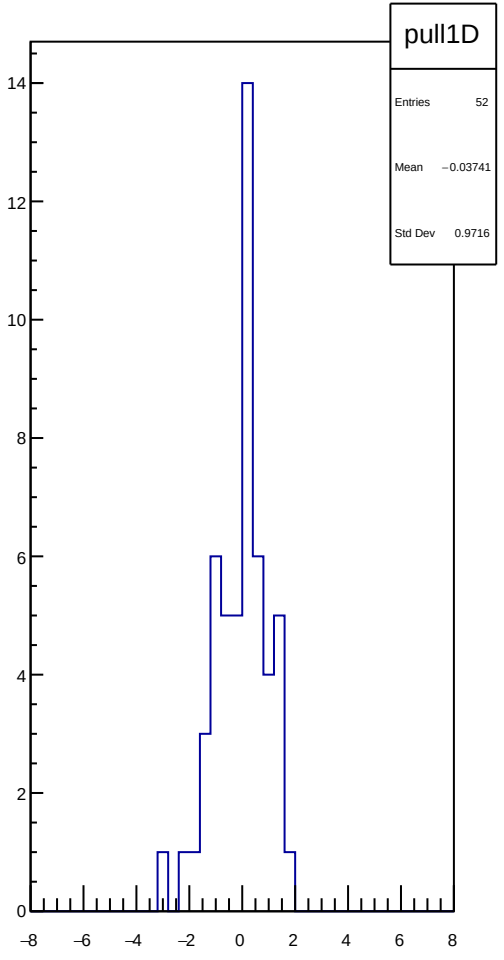

eigen_dit_asym_sam_48_dd_rms vs run
χ² / ndf 2.374e+04 / 51
p0 96.31 ± 0.09299
180
160
140
120
100
80
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

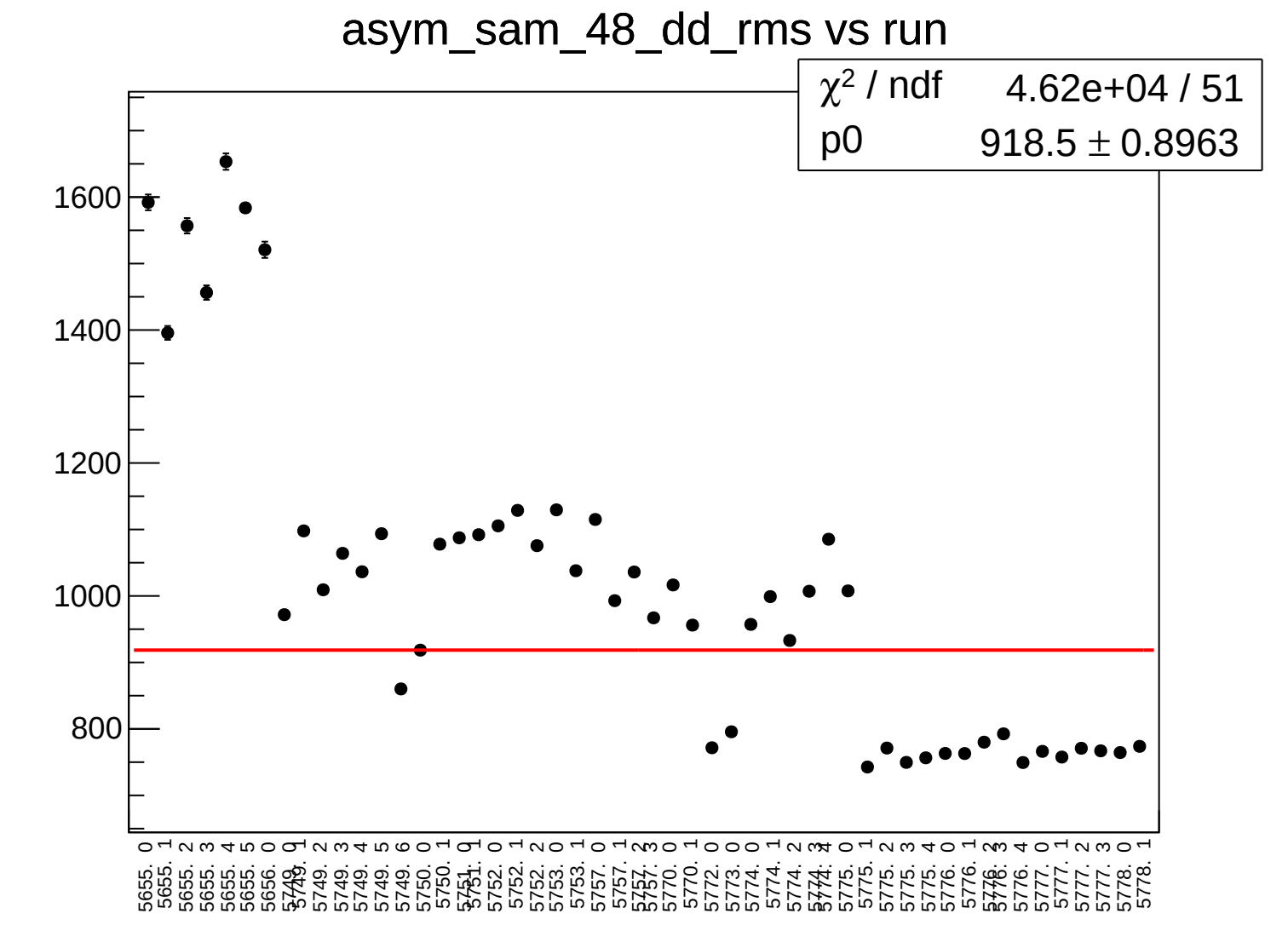

asym_sam_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 49.06 / 51
p0 −839.7 ± 1264
60000
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −31.11
Std Dev 0
3
2
1
0
−1

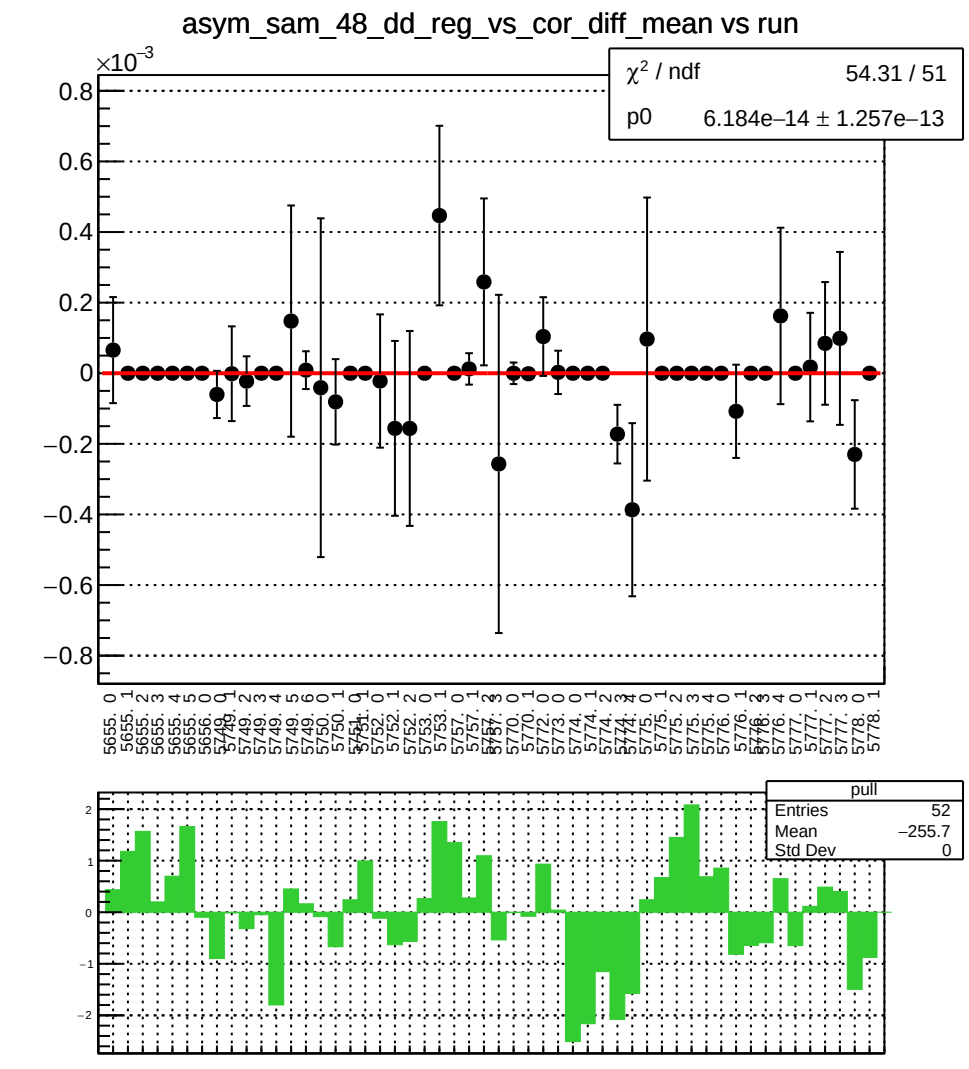

pull1D
Entries 52
Mean 0.03895
Std Dev 0.9705
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

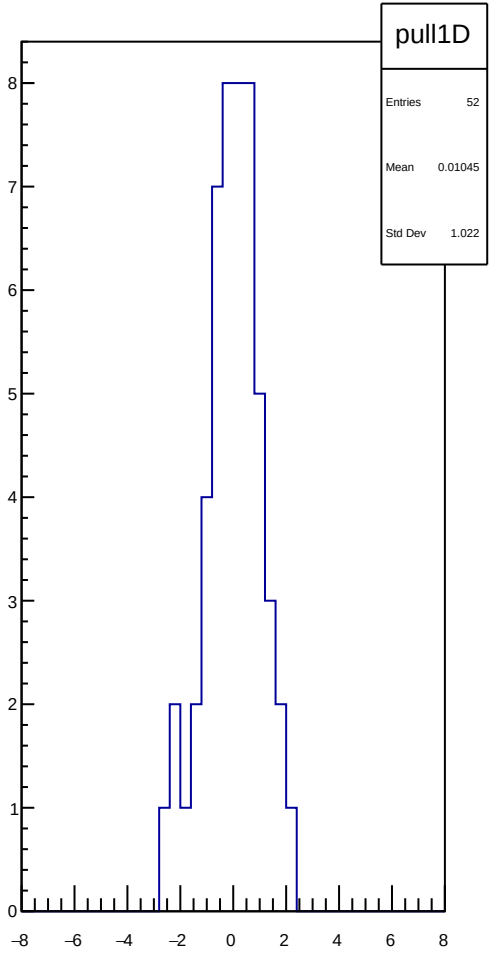

asym_sam_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 4.315e+04 / 51
p0 917 ± 0.8935
1600
1500
1400
1300
1200
1100
1000
900
800
700
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

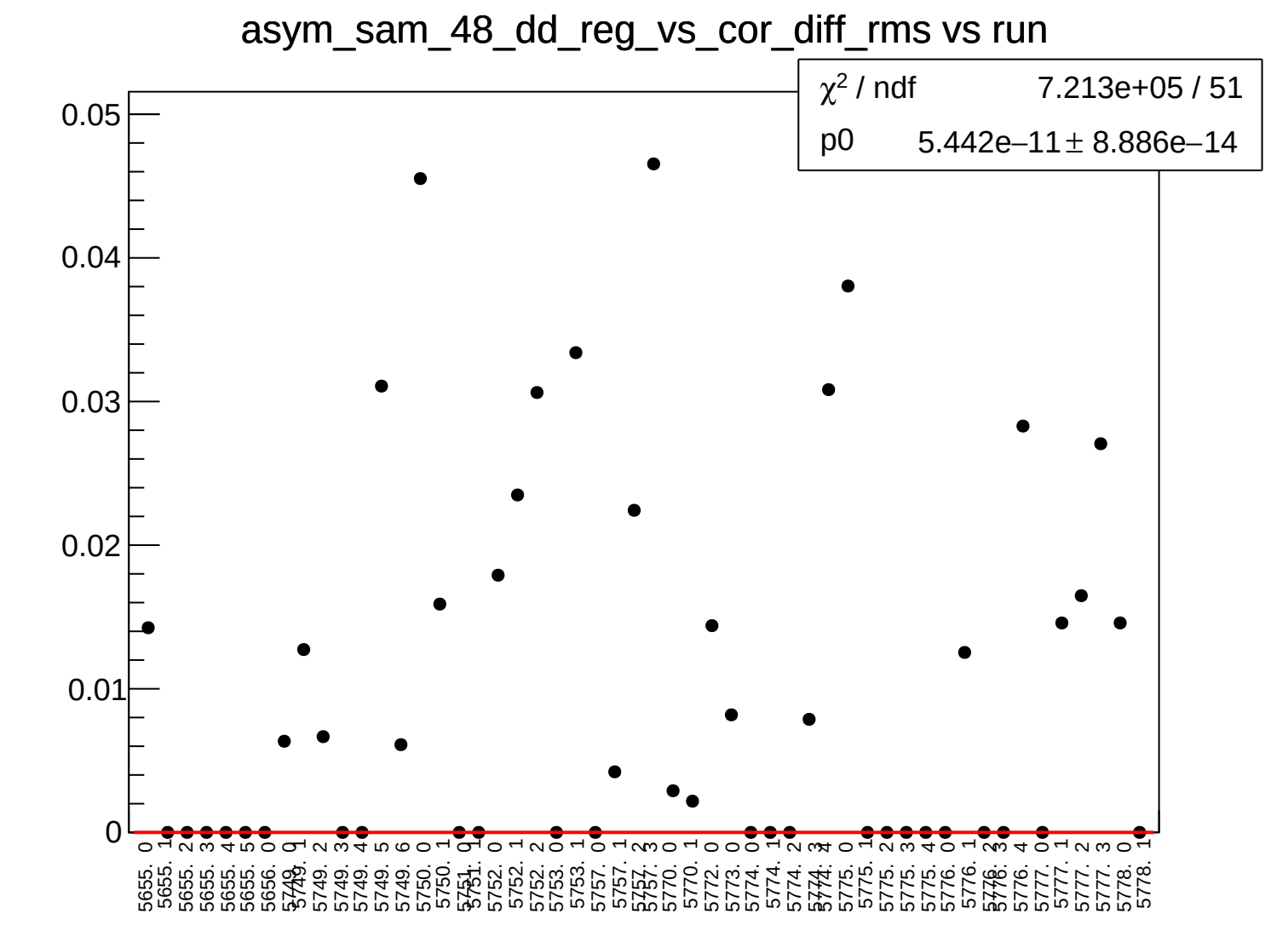

asym_sam_48_dd_mean vs run
χ² / ndf 49.16 / 51
p0 686.5 ± 1268
pull
Entries 52
Mean −35.07
Std Dev 0

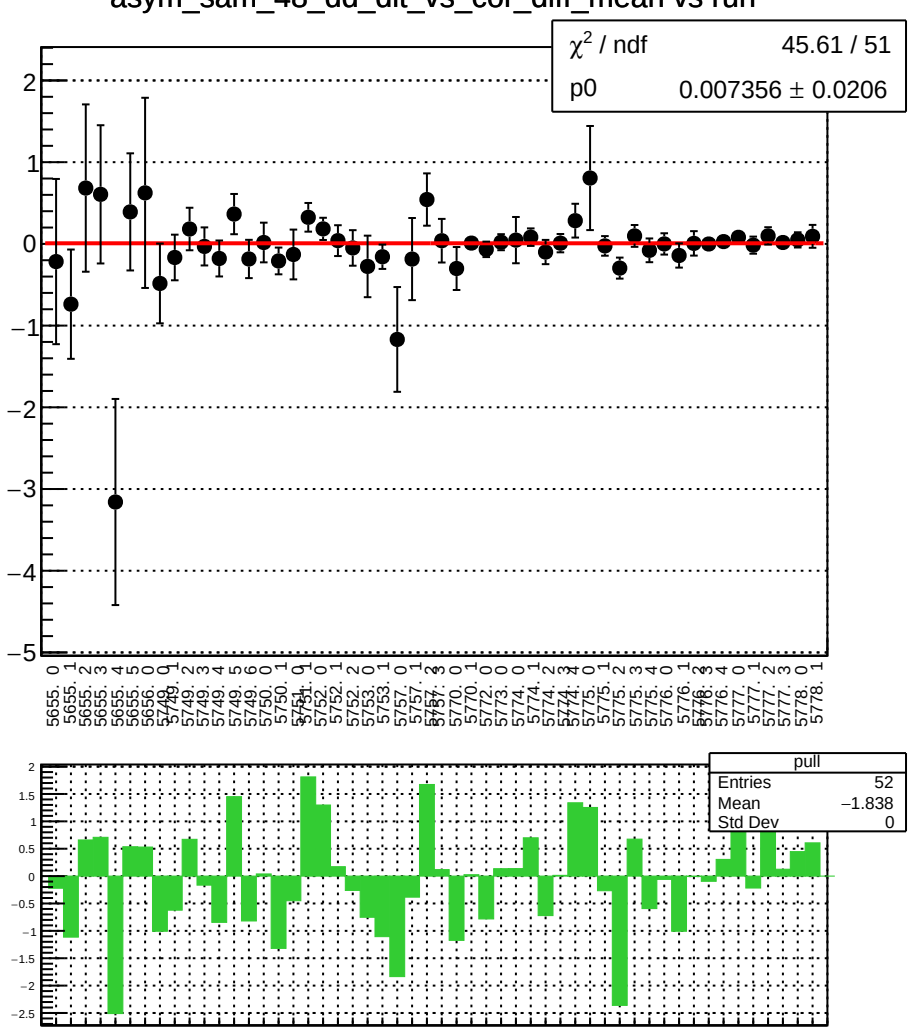

pull1D
Entries 52
Mean −0.03741
Std Dev 0.9716

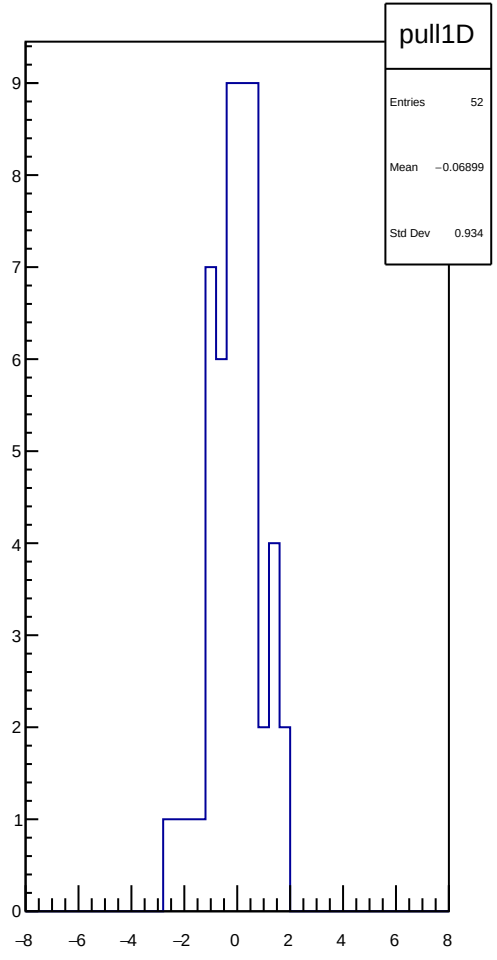

asym_sam_48_dd_rms vs run
χ² / ndf 4.62e+04 / 51
p0 918.5 ± 0.8963
1600
1400
1200
1000
800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

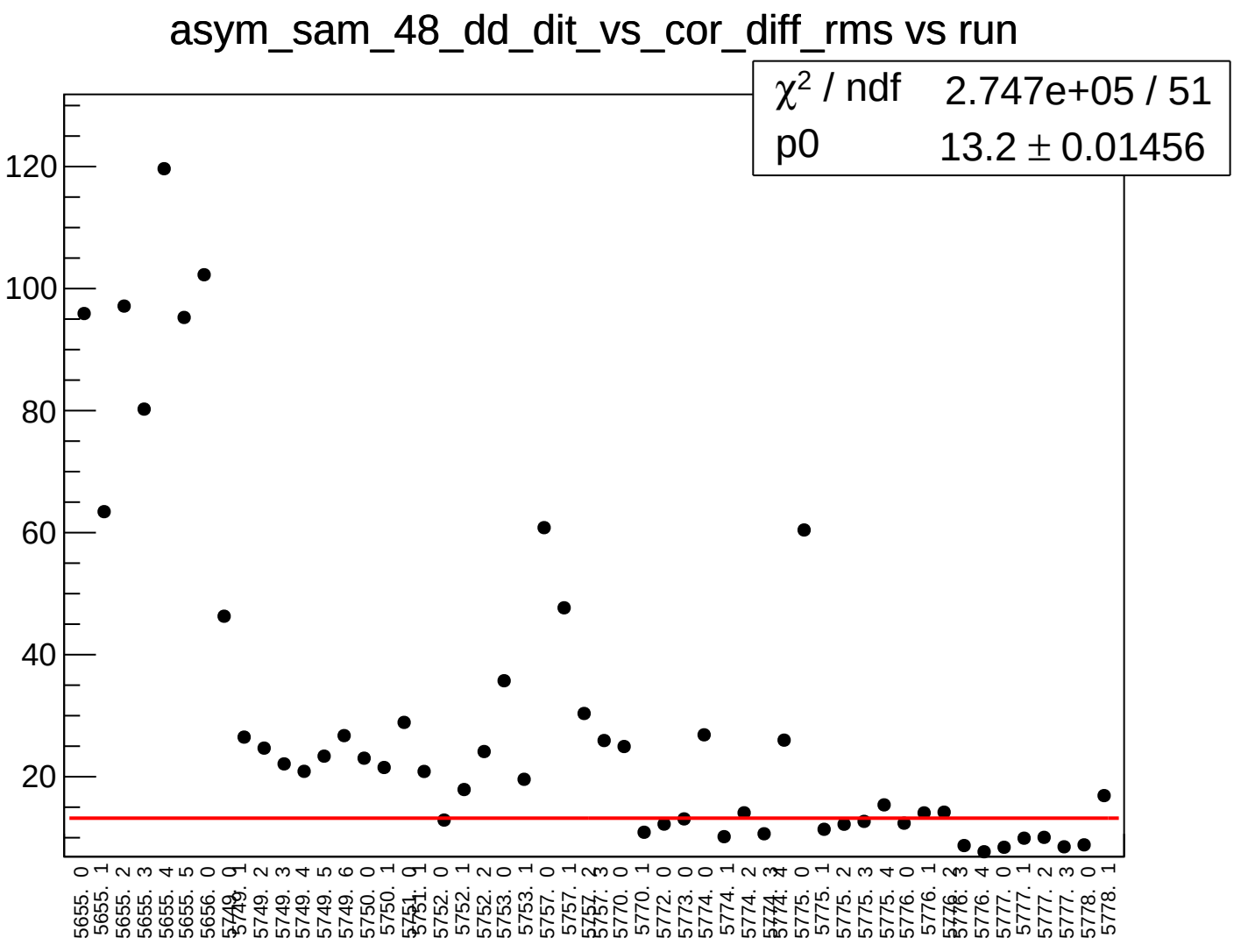

asym_sam_48_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 54.31 / 51
p0 6.184e−14 ± 1.257e−13
pull
Entries 52
Mean −255.7
Std Dev 0

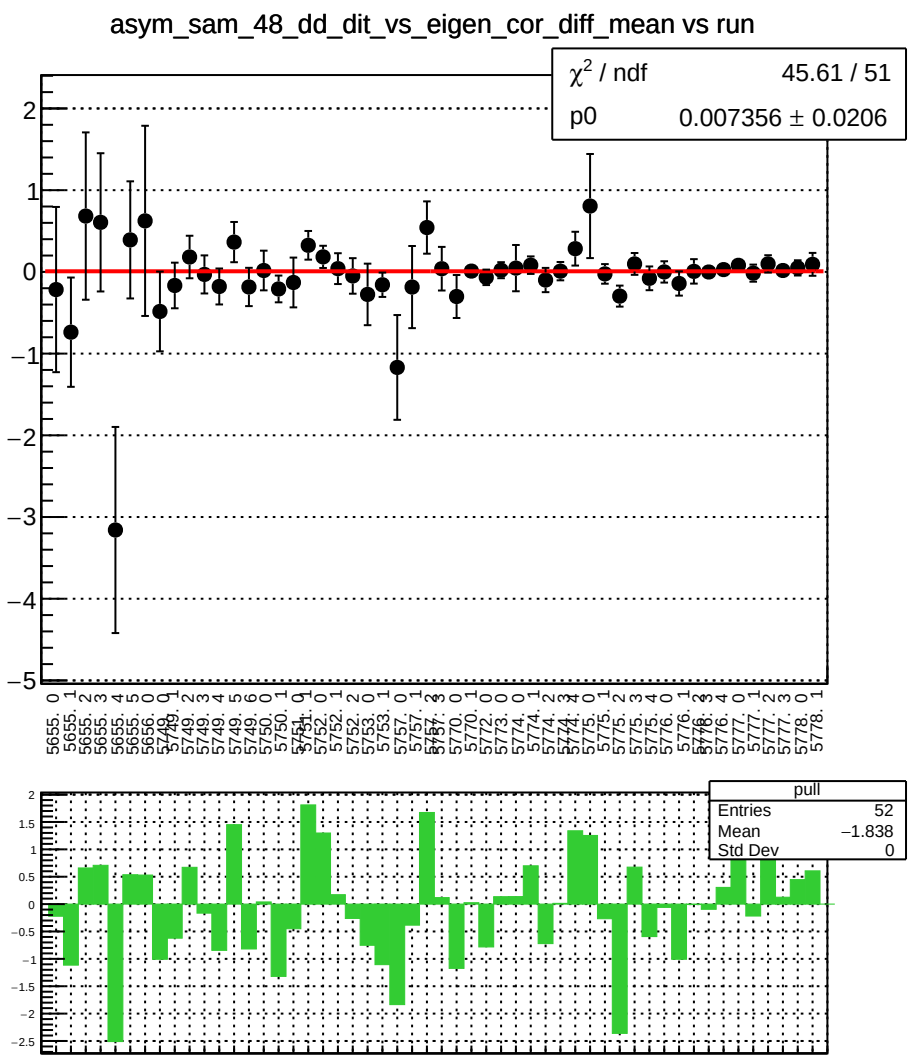

pull1D
Entries 52
Mean 0.01045
Std Dev 1.022

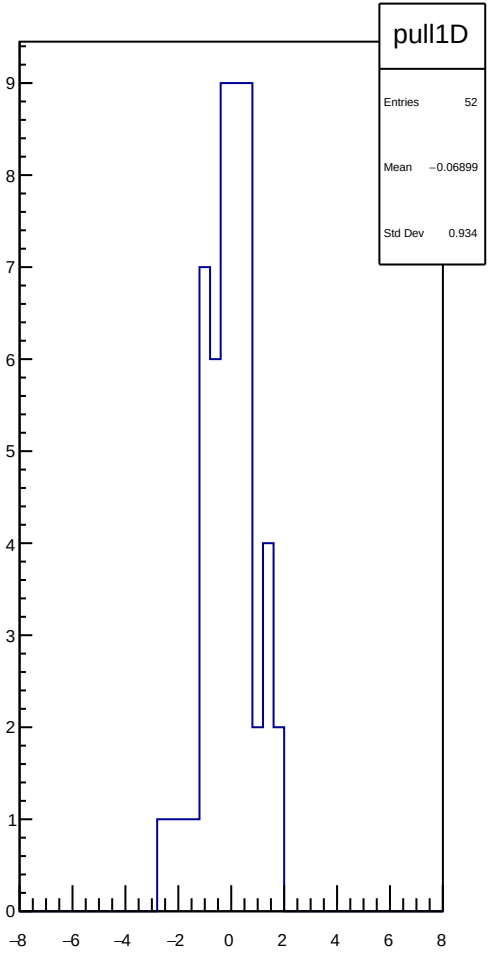

asym_sam_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.213e+05 / 51
p0 5.442e−11 ± 8.886e−14
0.05
0.04
0.03
0.02
0.01
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

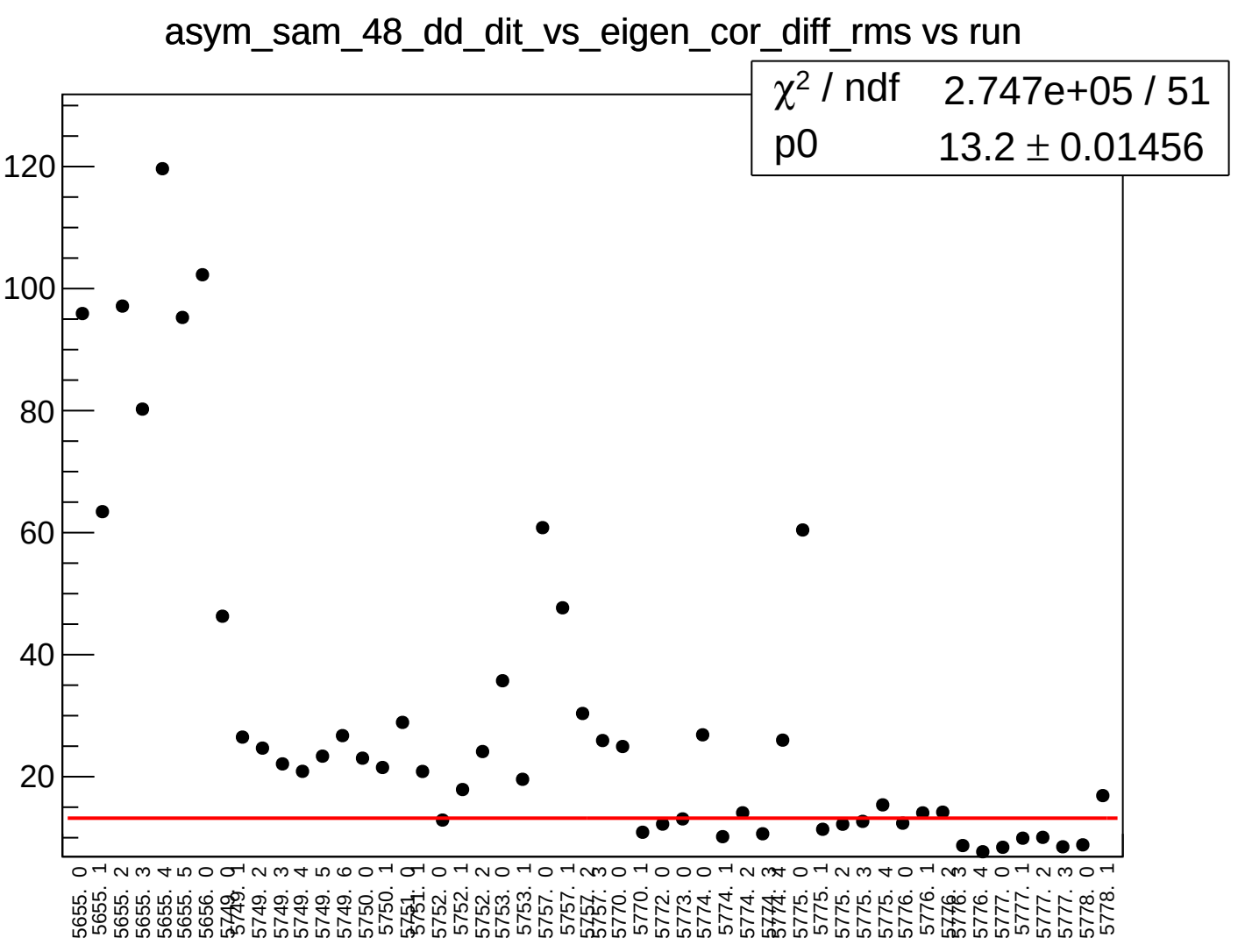

asym_sam_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 45.61 / 51
p0 0.007356 ± 0.0206
pull
Entries 52
Mean −1.838
Std Dev 0

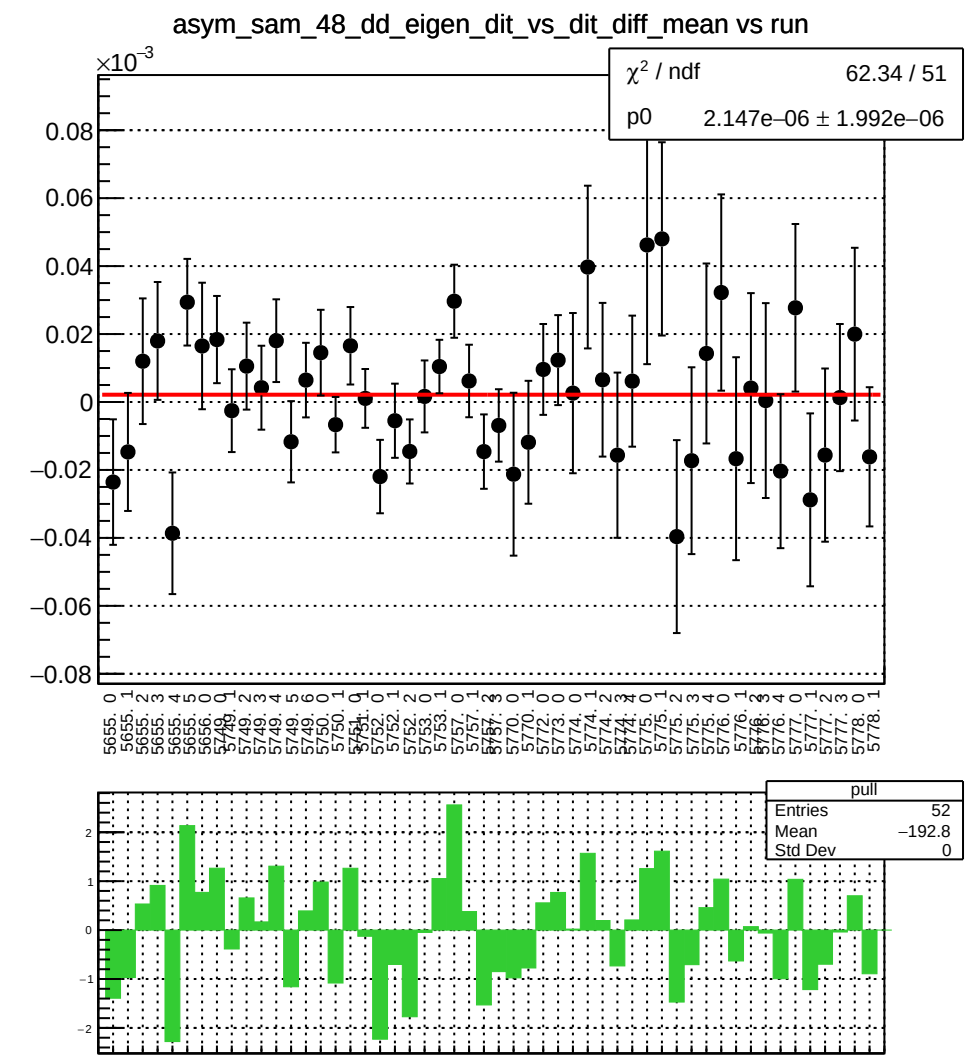

pull1D
Entries 52
Mean −0.06899
Std Dev 0.934

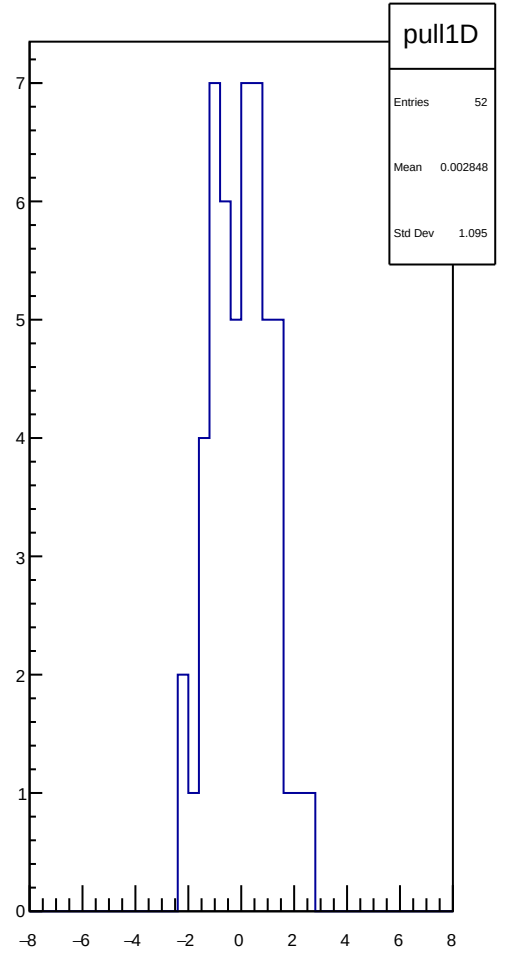

asym_sam_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.747e+05 / 51
p0 13.2 ± 0.01456
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

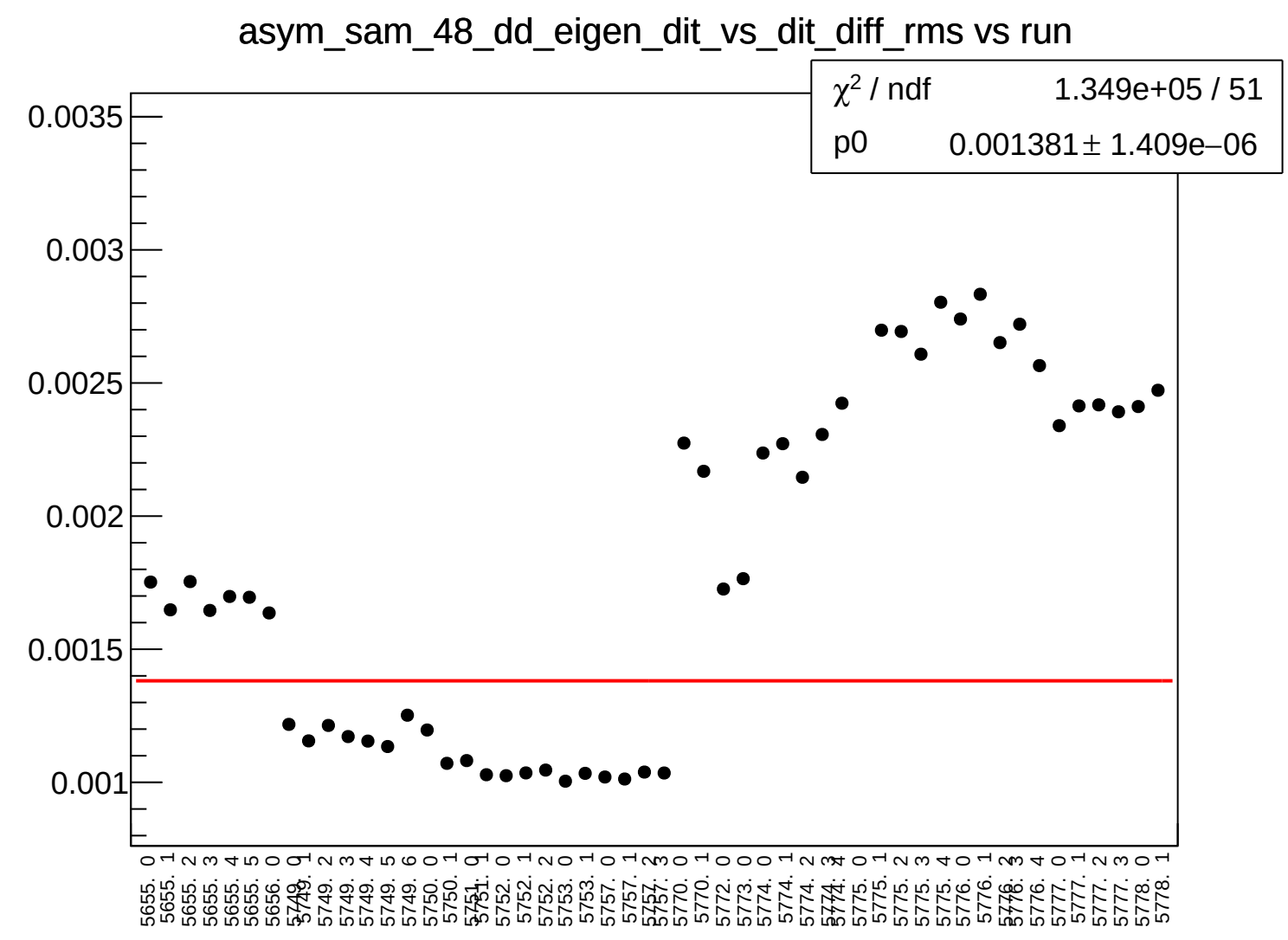

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.61 / 51
p0 0.007356 ± 0.0206
pull
Entries 52
Mean −1.838
Std Dev 0


pull1D
Entries 52
Mean −0.06899
Std Dev 0.934


asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 2.747e+05 / 51
p0 13.2 ± 0.01456
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 62.34 / 51
p0 2.147e−06 ± 1.992e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
pull
Entries 52
Mean −192.8
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.002848
Std Dev 1.095
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.349e+05 / 51
p0 0.001381 ± 1.409e−06
0.0035
0.003
0.0025
0.002
0.0015
0.001
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
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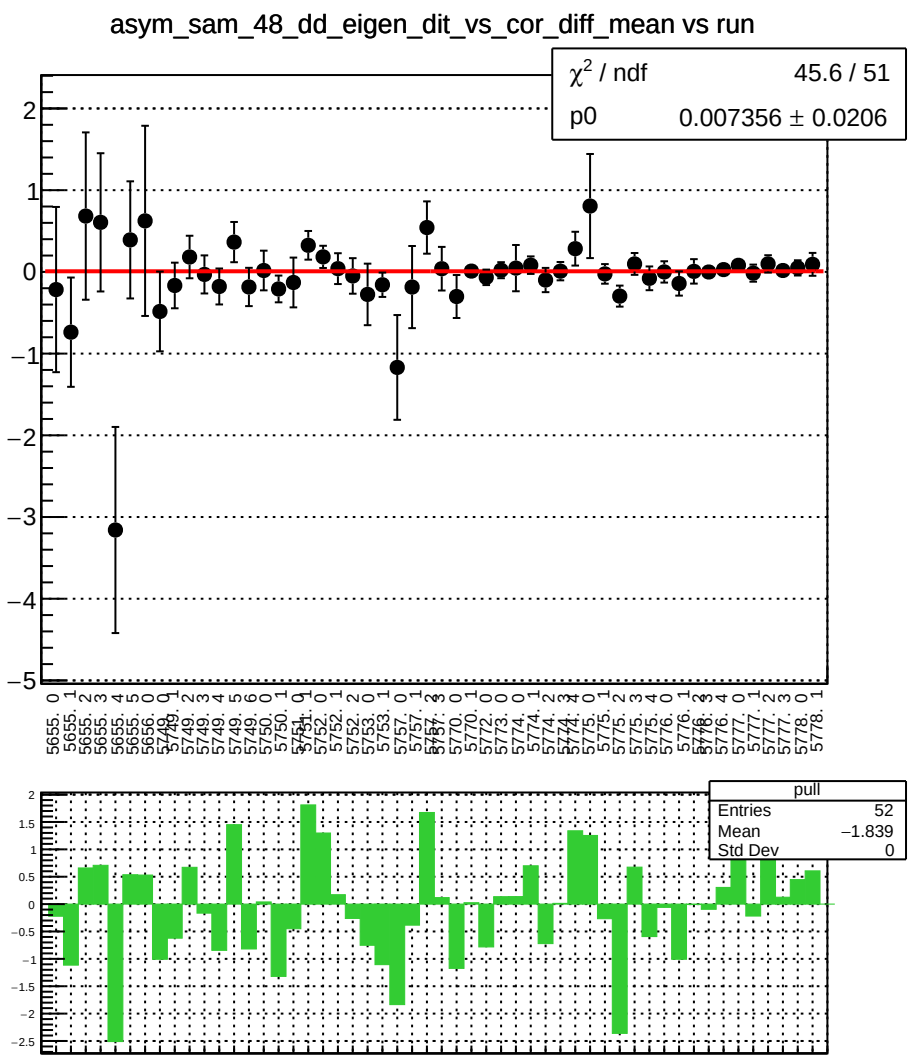
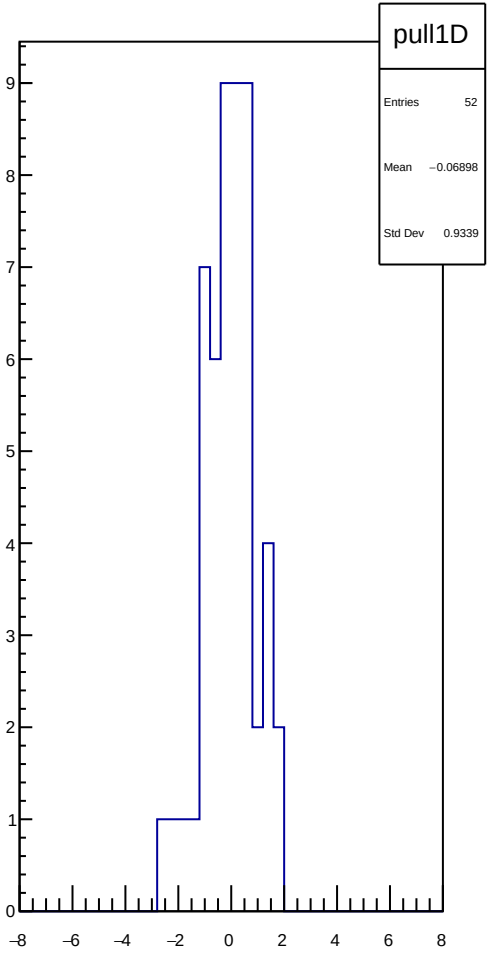
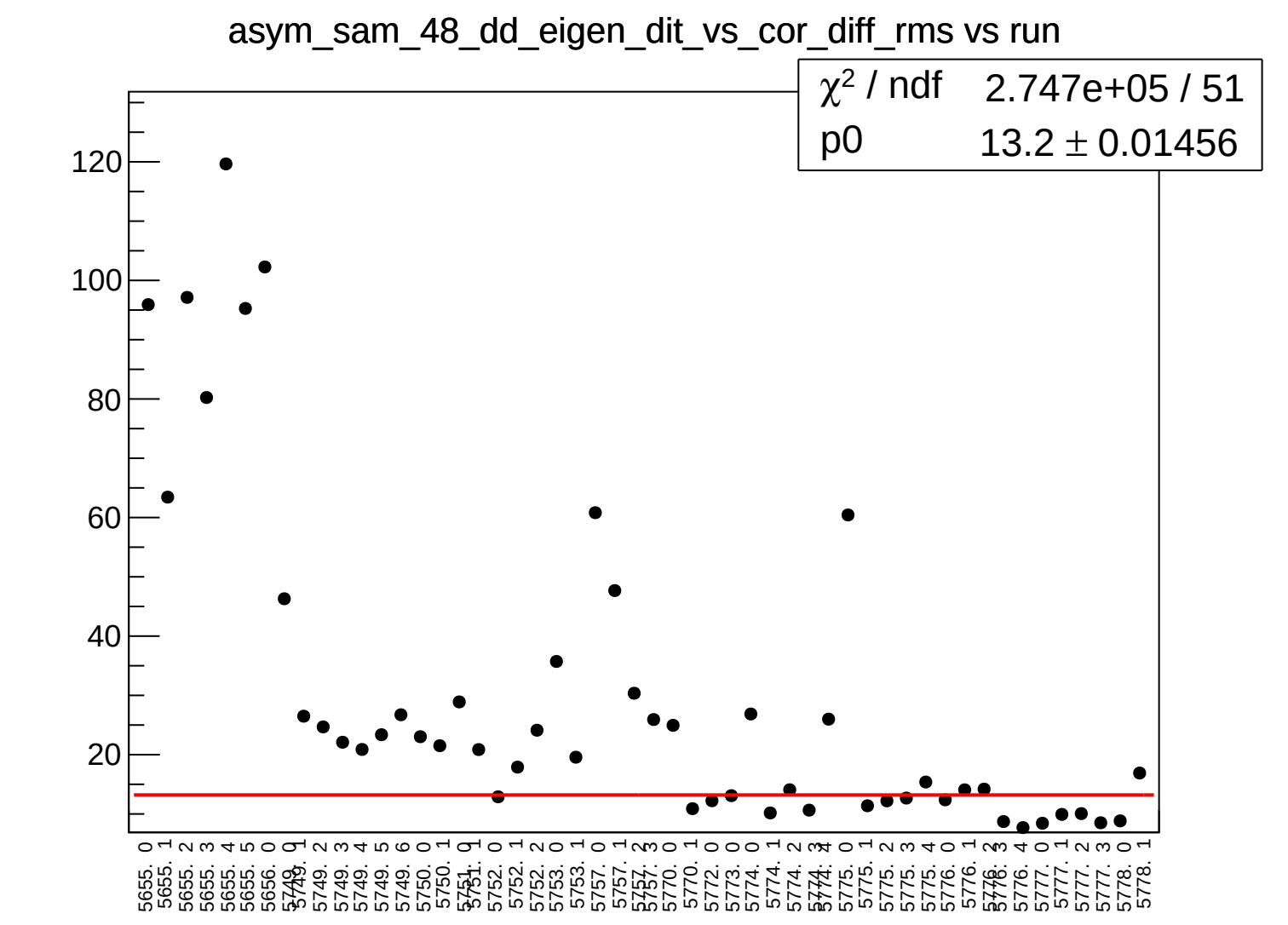
5777. 3
5778. 0
5778. 1


asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 45.6 / 51
p0 0.007356 ± 0.0206
pull
Entries 52
Mean −1.839
Std Dev 0


pull1D
Entries 52
Mean −0.06898
Std Dev 0.9339


asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.747e+05 / 51
p0 13.2 ± 0.01456
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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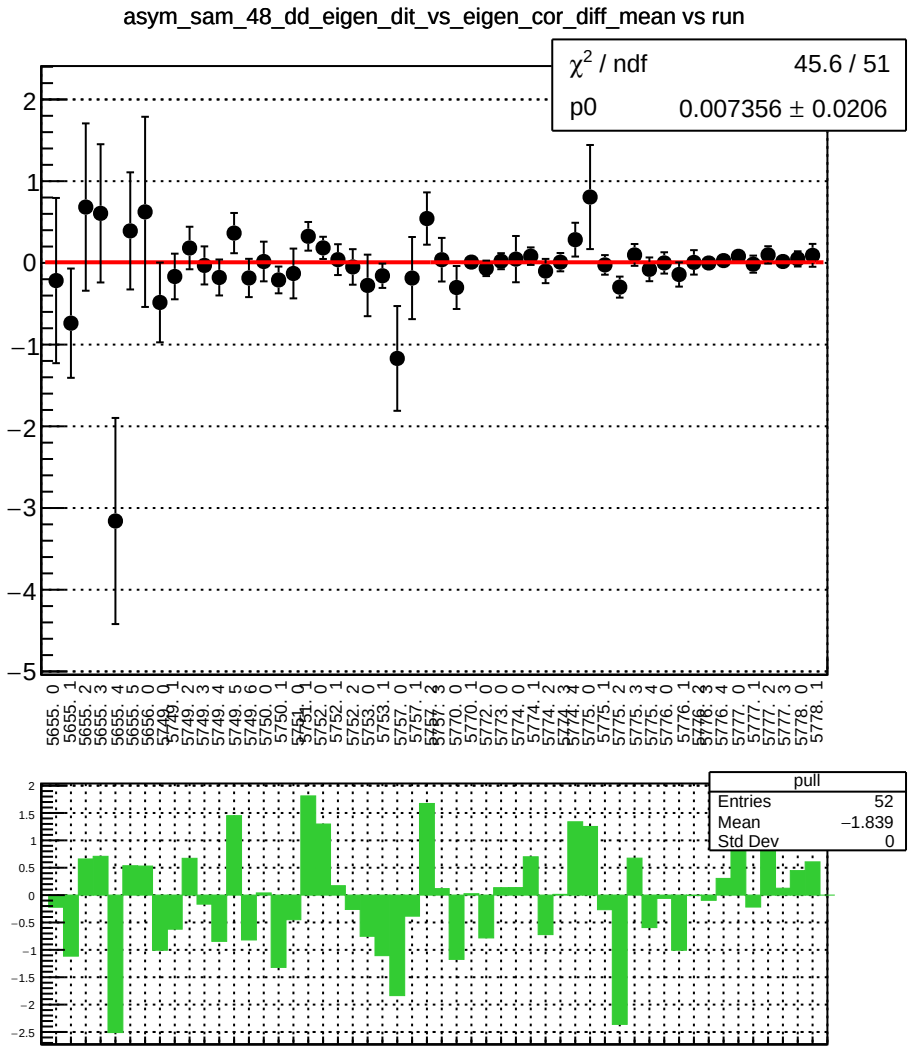
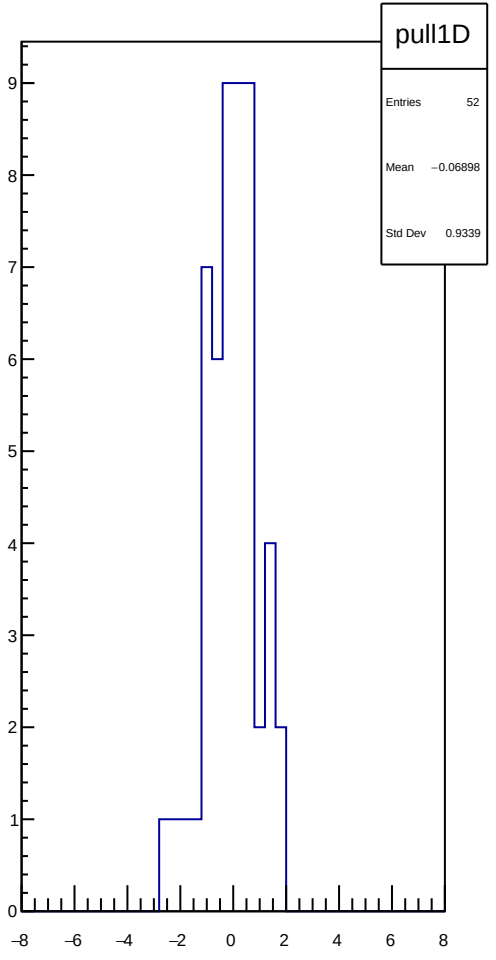
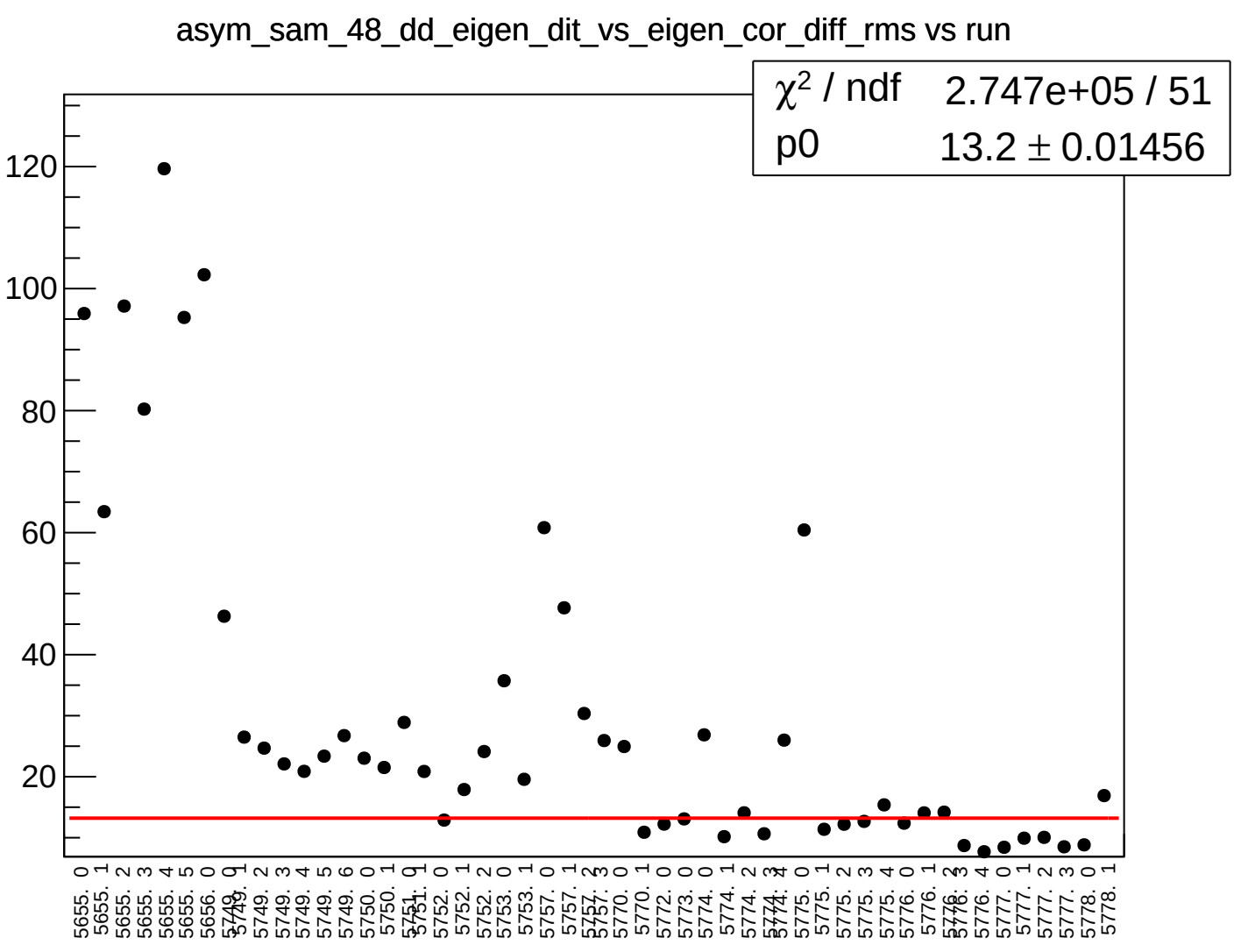
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.6 / 51
p0 0.007356 ± 0.0206
pull
Entries 52
Mean −1.839
Std Dev 0


pull1D
Entries 52
Mean −0.06898
Std Dev 0.9339


asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.747e+05 / 51
p0 13.2 ± 0.01456
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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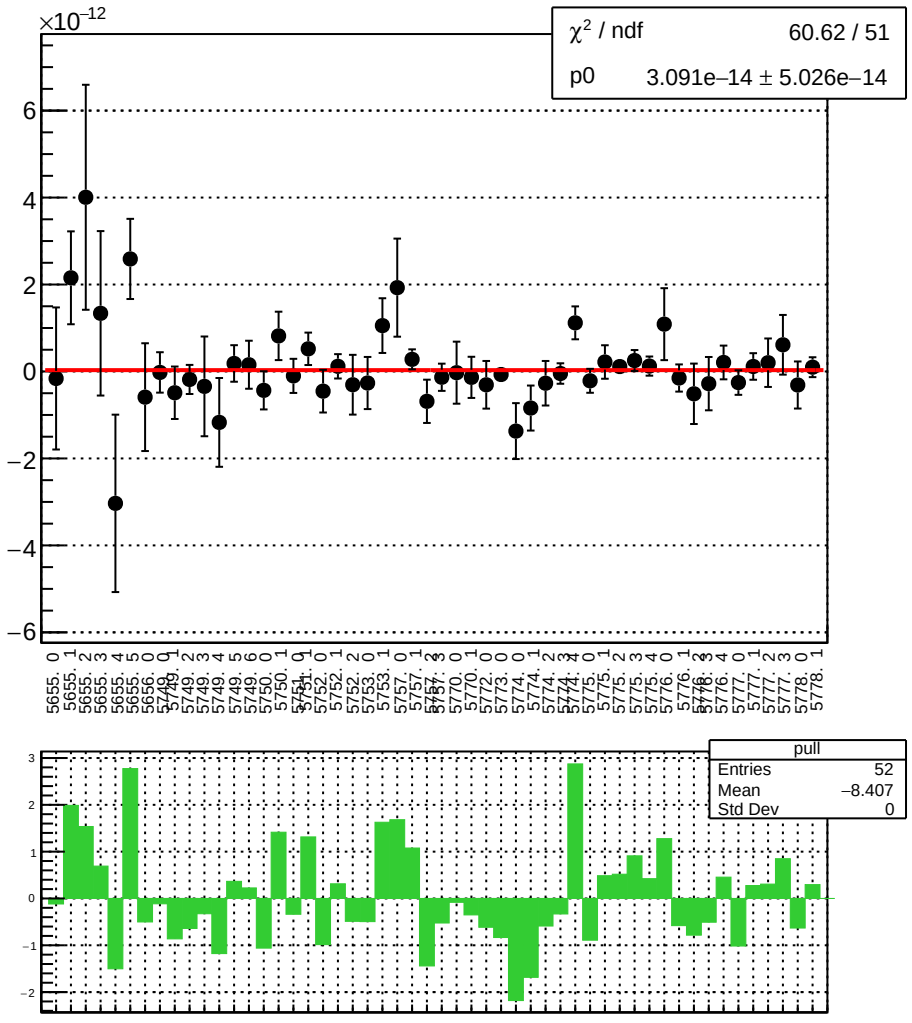
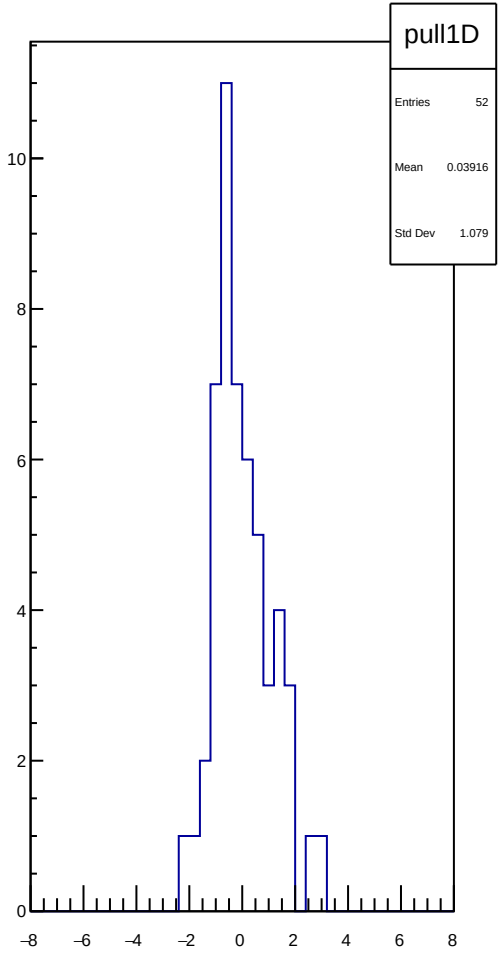
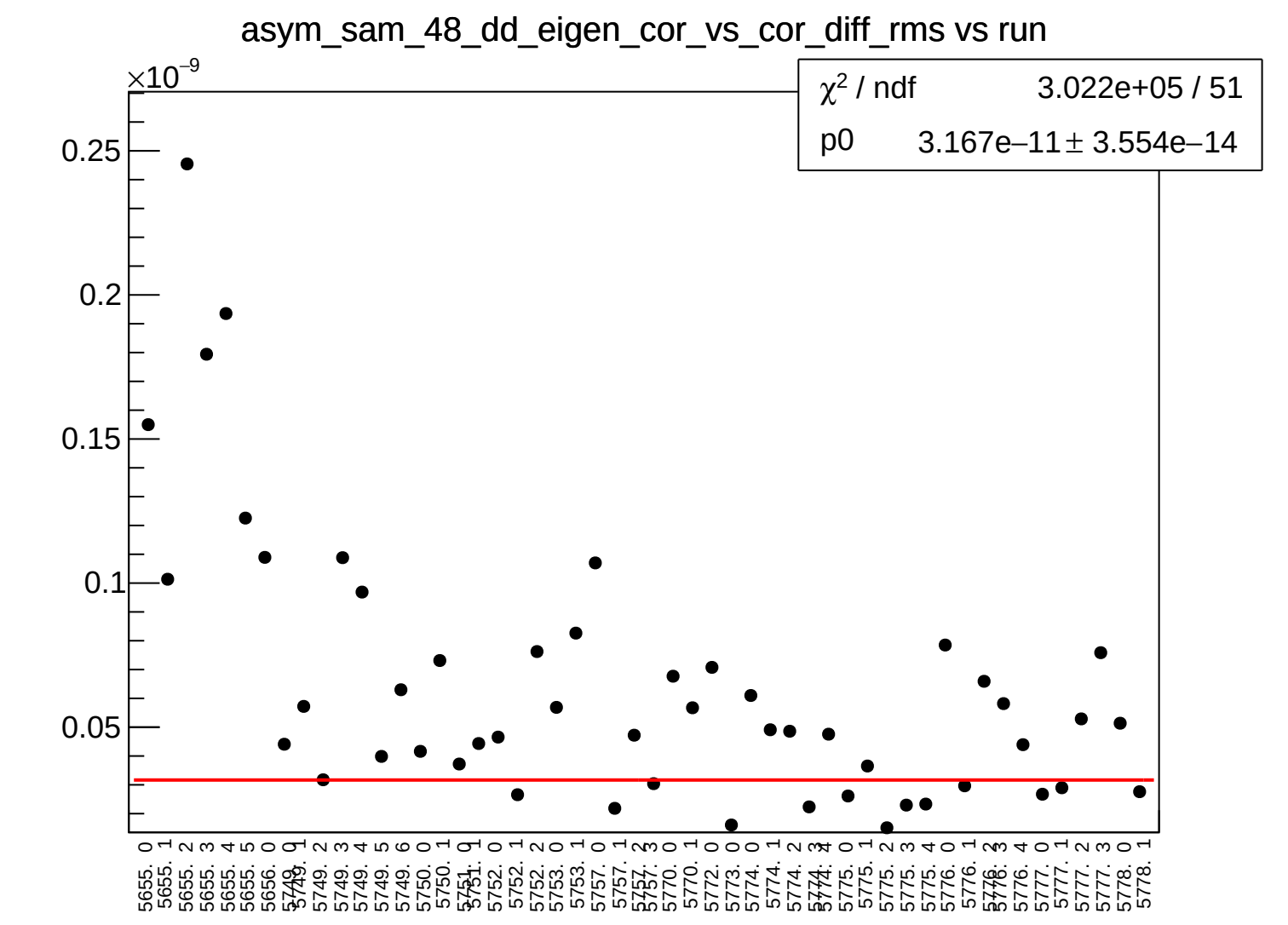
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 60.62 / 51
p0 3.091e−14 ± 5.026e−14
pull
Entries 52
Mean −8.407
Std Dev 0


pull1D
Entries 52
Mean 0.03916
Std Dev 1.079


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.022e+05 / 51
p0 3.167e−11 ± 3.554e−14
0.25
0.2
0.15
0.1
0.05
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
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5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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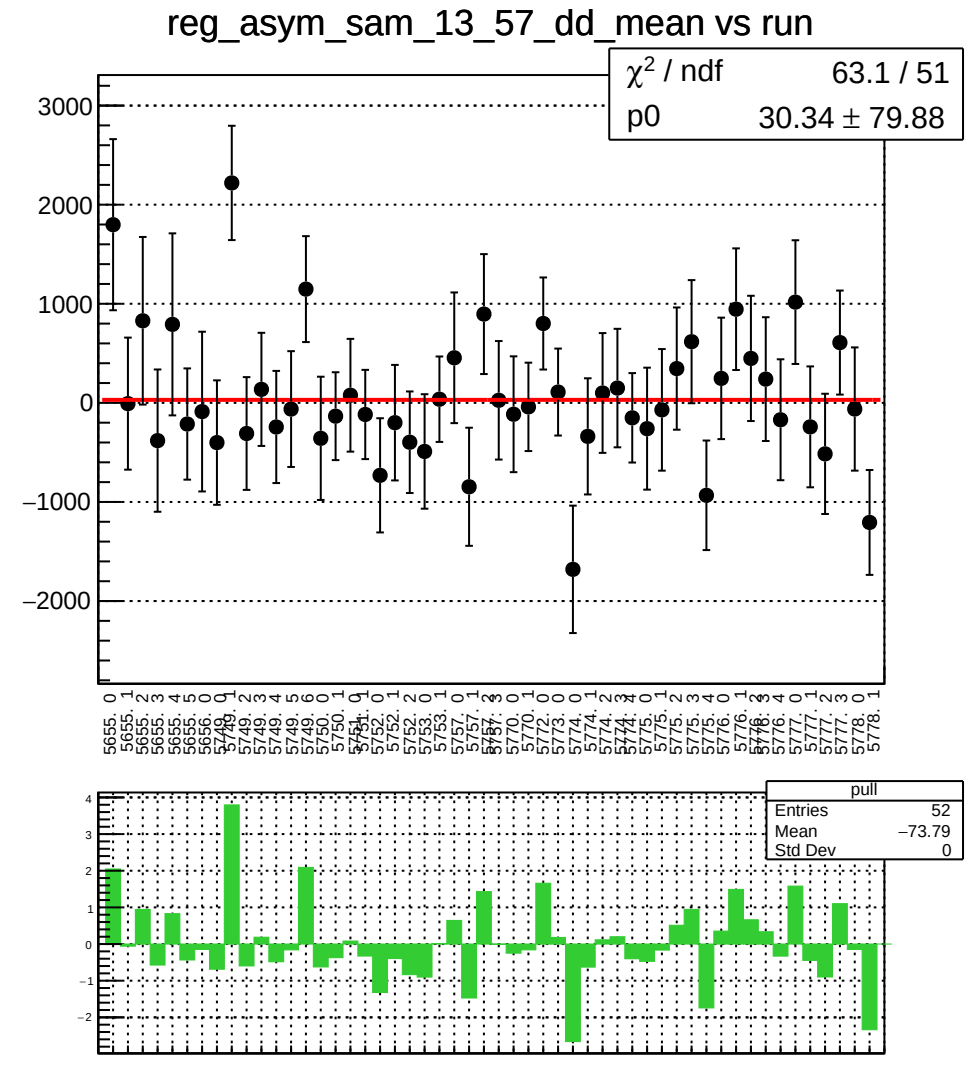
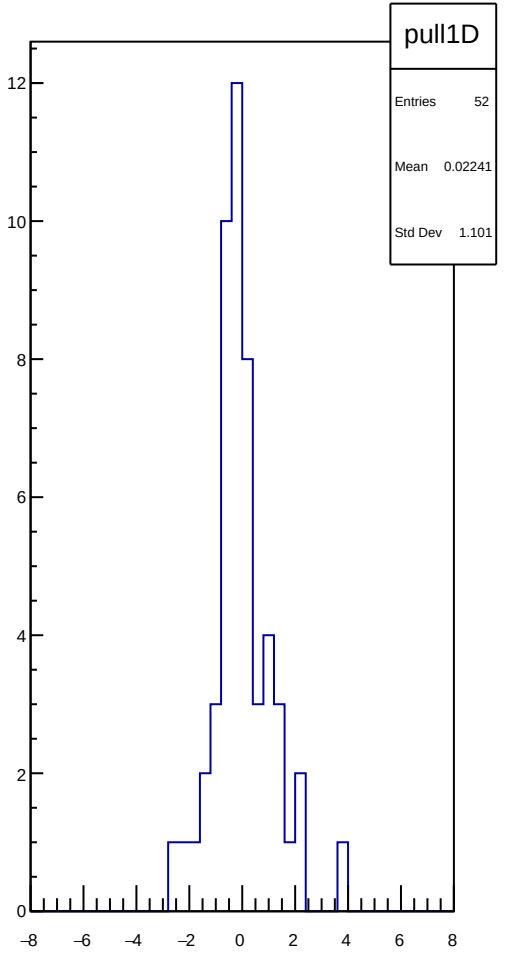
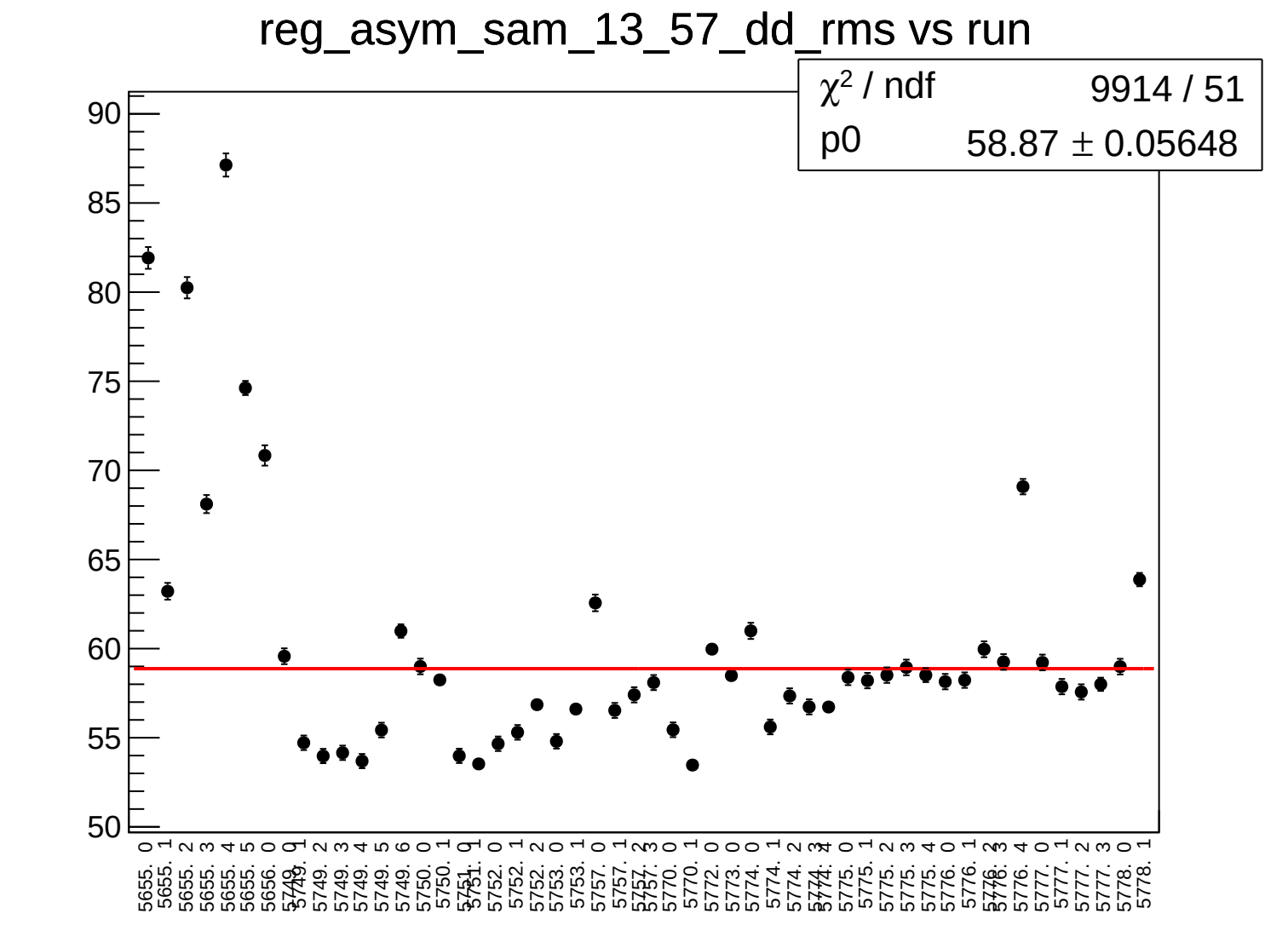
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


reg_asym_sam_13_57_dd_mean vs run
χ² / ndf 63.1 / 51
p0 30.34 ± 79.88
pull
Entries 52
Mean −73.79
Std Dev 0


pull1D
Entries 52
Mean 0.02241
Std Dev 1.101


reg_asym_sam_13_57_dd_rms vs run
χ^2 / ndf 9914 / 51
p0 58.87 ± 0.05648
90
85
80
75
70
65
60
55
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
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5775. 3
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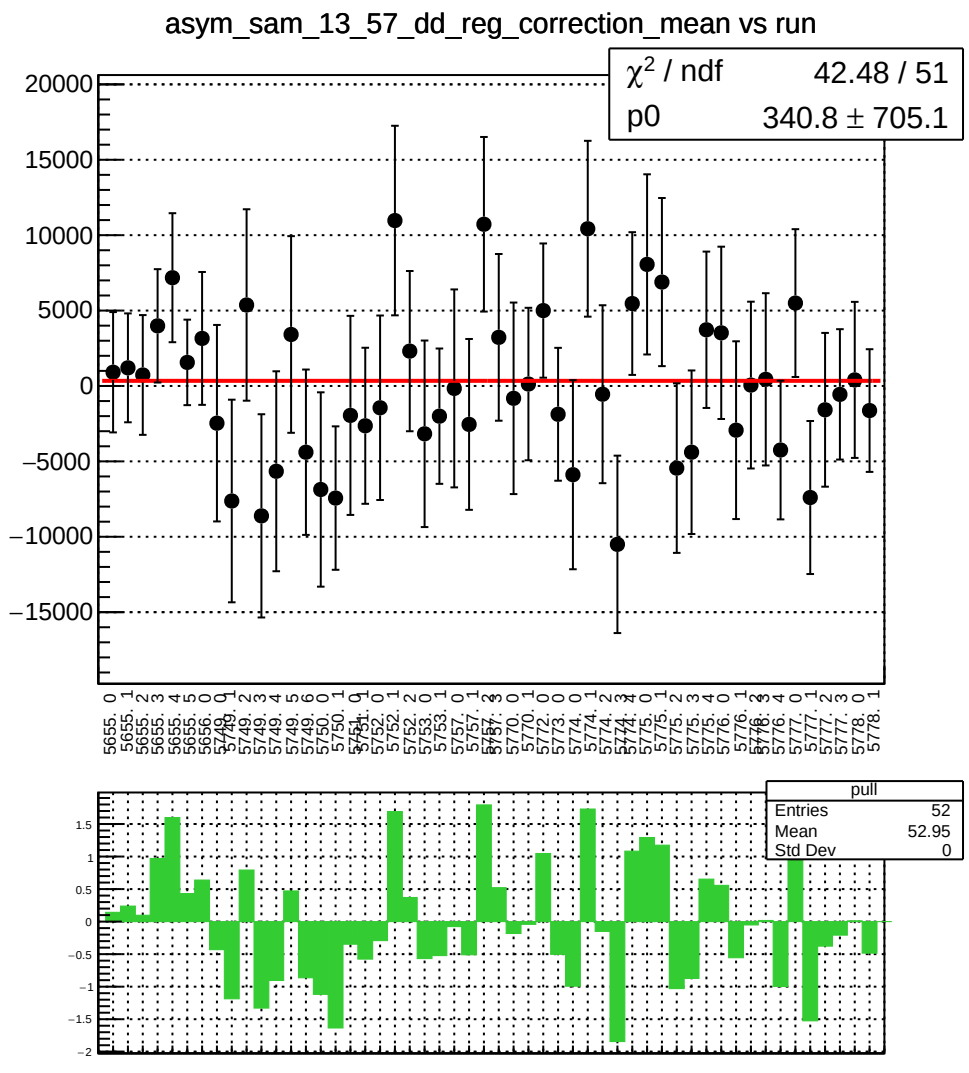
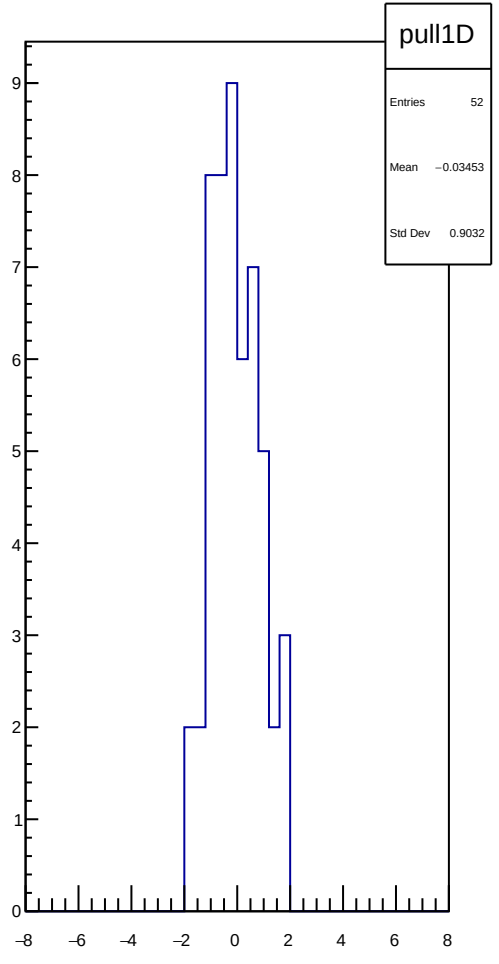
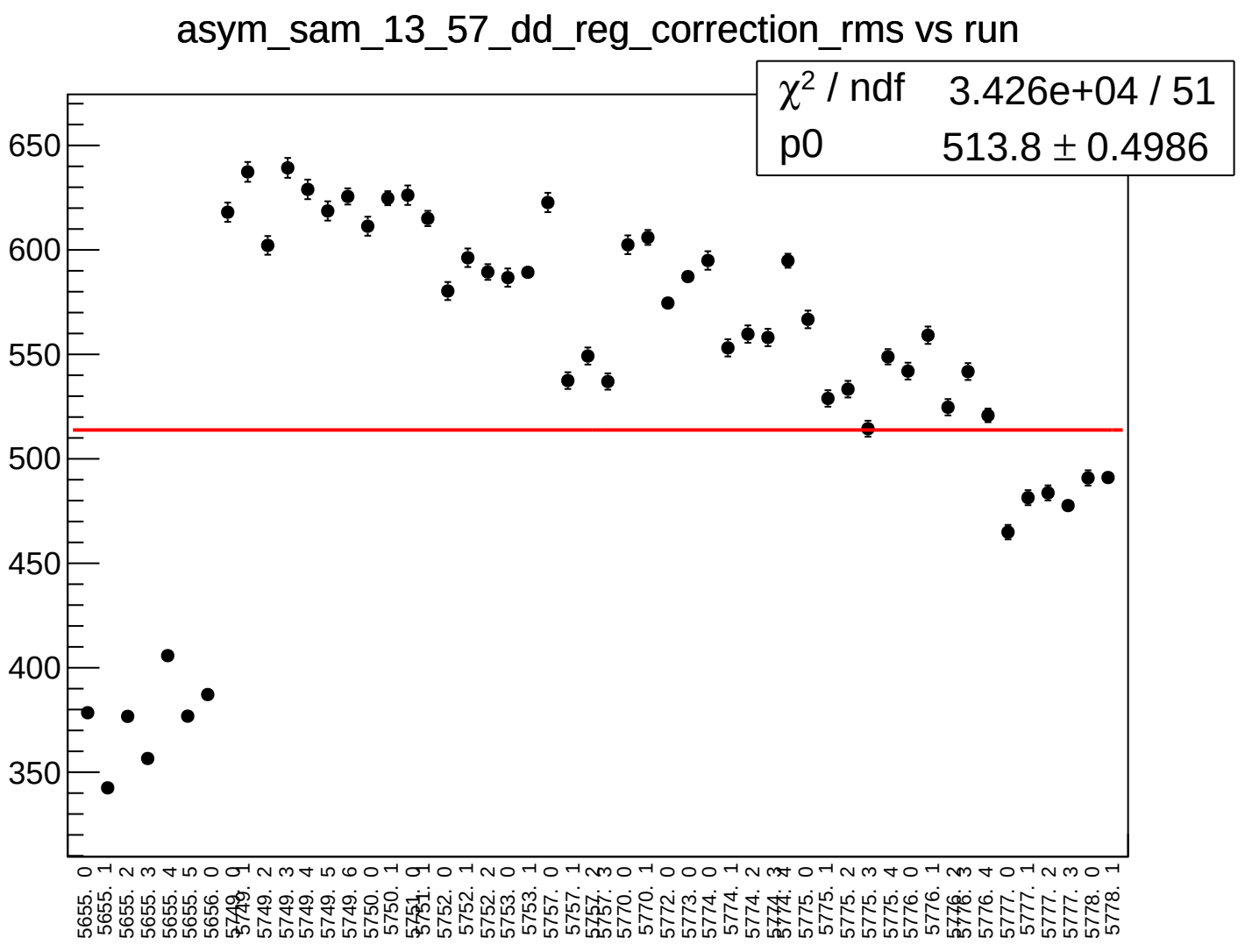
5778. 0
5778. 1


asym_sam_13_57_dd_reg_correction_mean vs run
χ² / ndf 42.48 / 51
p0 340.8 ± 705.1
pull
Entries 52
Mean 52.95
Std Dev 0


pull1D
Entries 52
Mean −0.03453
Std Dev 0.9032


asym_sam_13_57_dd_reg_correction_rms vs run
χ² / ndf 3.426e+04 / 51
p0 513.8 ± 0.4986
650
600
550
500
450
400
350
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5749. 6
5750. 0
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5752. 0
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5752. 2
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5753. 1
5757. 0
5757. 1
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5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
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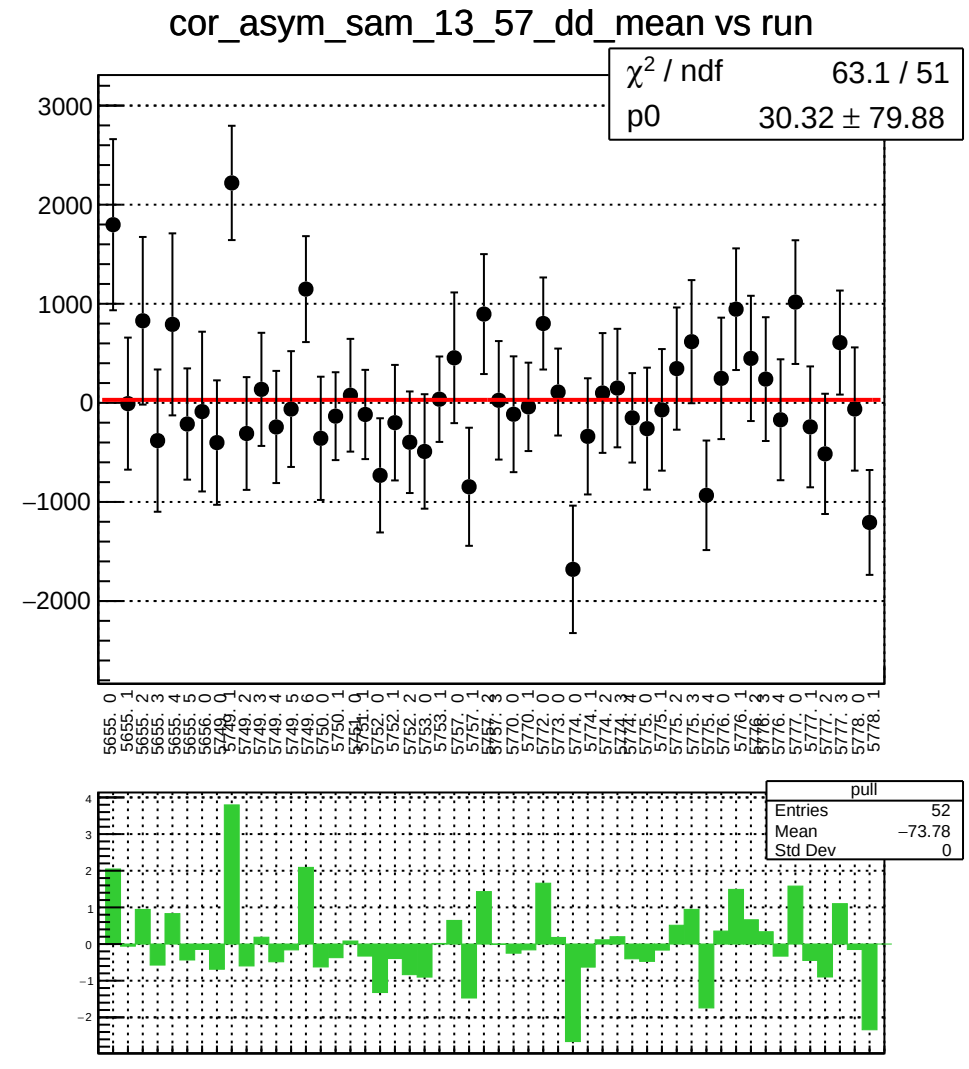
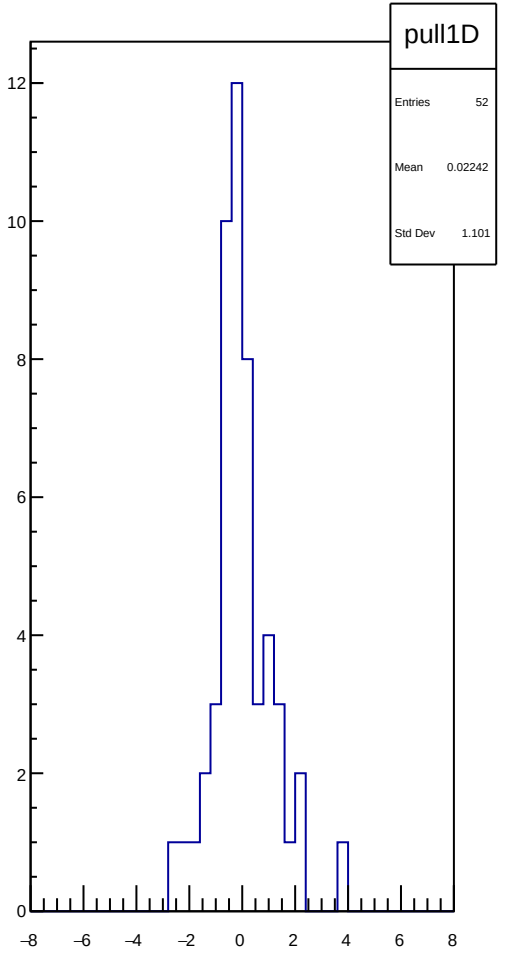
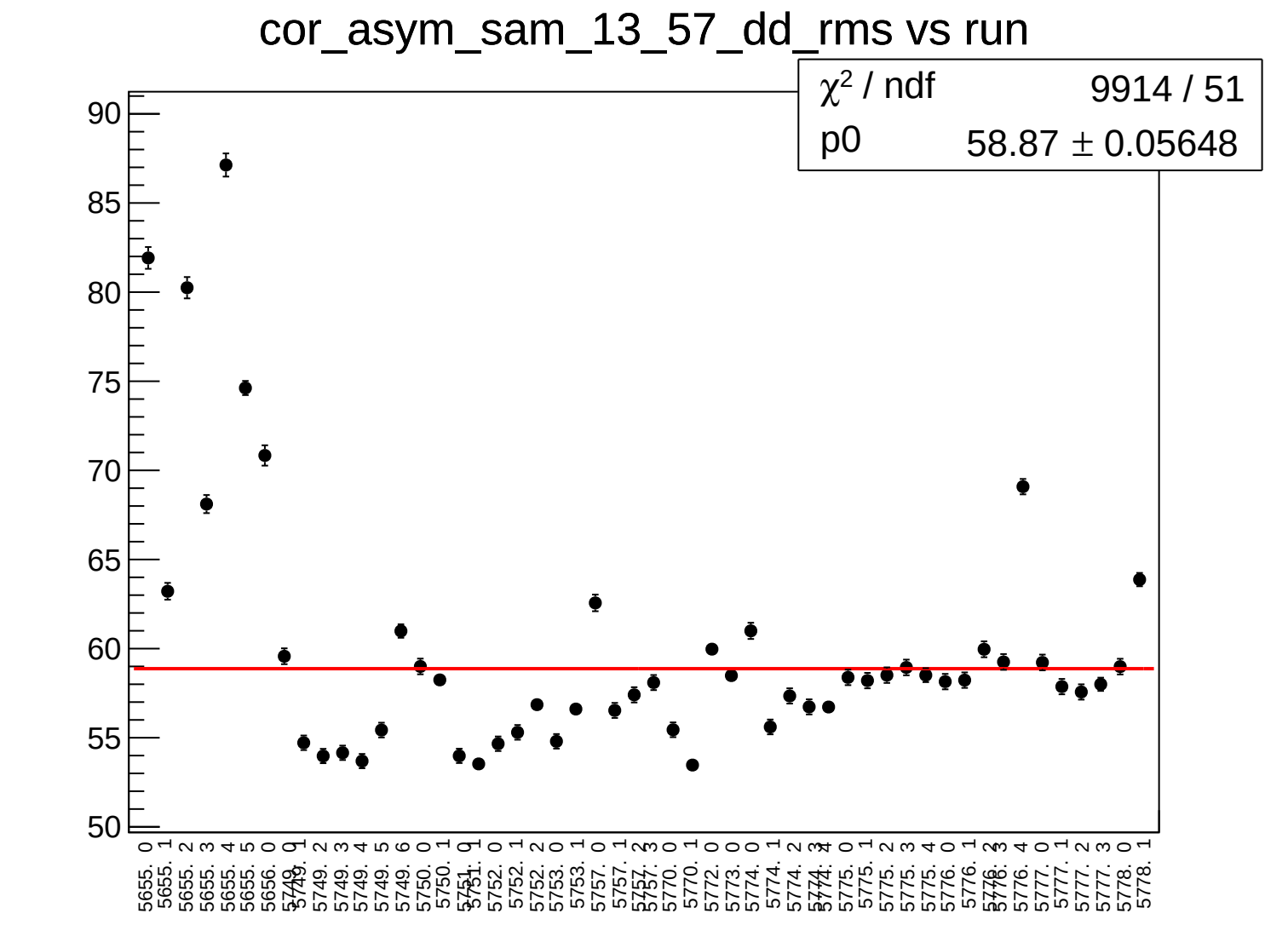
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 63.1 / 51
p0 30.32 ± 79.88
3000
2000
1000
0
−1000
−2000
pull
Entries 52
Mean −73.78
Std Dev 0
4
3
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.02242
Std Dev 1.101
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 9914 / 51
p0 58.87 ± 0.05648
90
85
80
75
70
65
60
55
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
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5772. 0
5773. 0
5774. 0
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5777. 2
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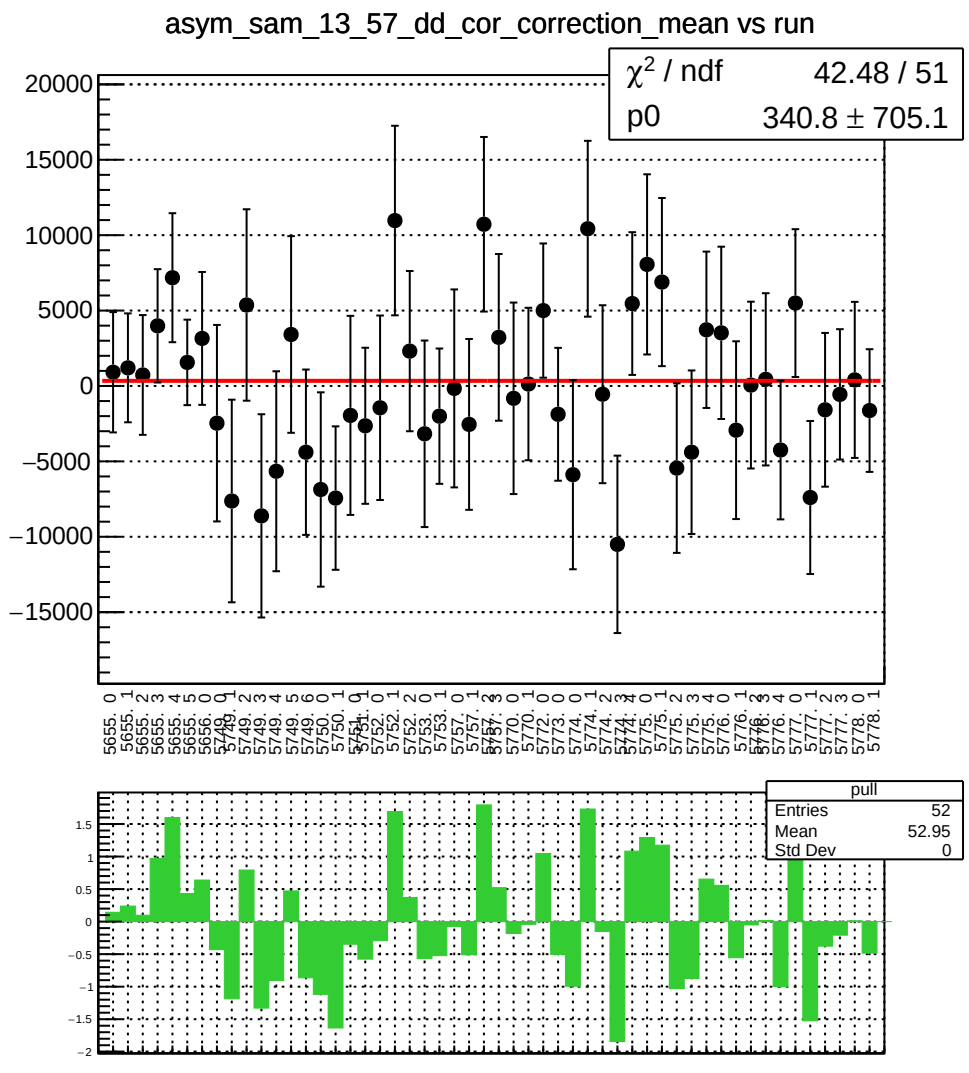
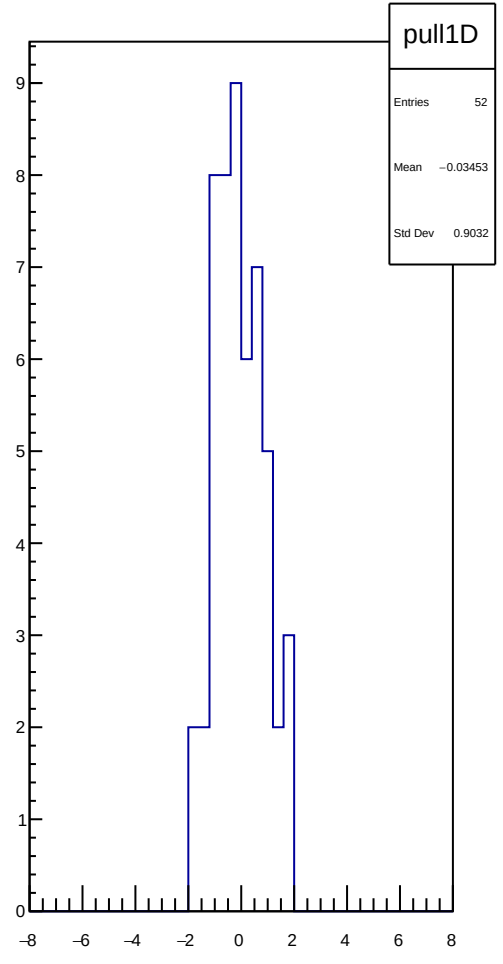
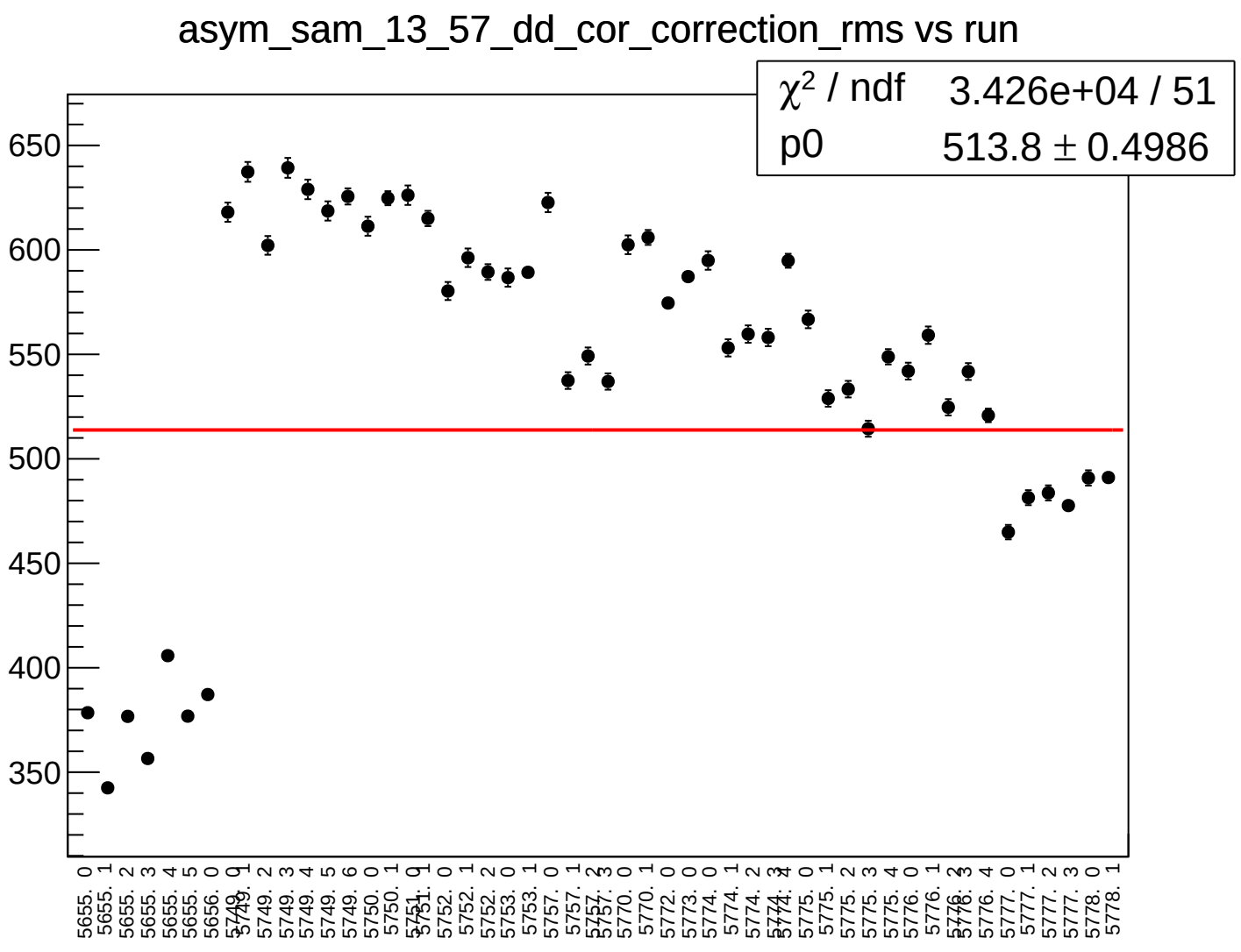
5778. 1


asym_sam_13_57_dd_cor_correction_mean vs run
χ² / ndf 42.48 / 51
p0 340.8 ± 705.1
pull
Entries 52
Mean 52.95
Std Dev 0


pull1D
Entries 52
Mean −0.03453
Std Dev 0.9032


asym_sam_13_57_dd_cor_correction_rms vs run
χ² / ndf 3.426e+04 / 51
p0 513.8 ± 0.4986
650
600
550
500
450
400
350
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5749. 2
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5749. 5
5749. 6
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5752. 1
5752. 2
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5757. 2
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5775. 2
5775. 3
5775. 4
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5777. 1
5777. 2
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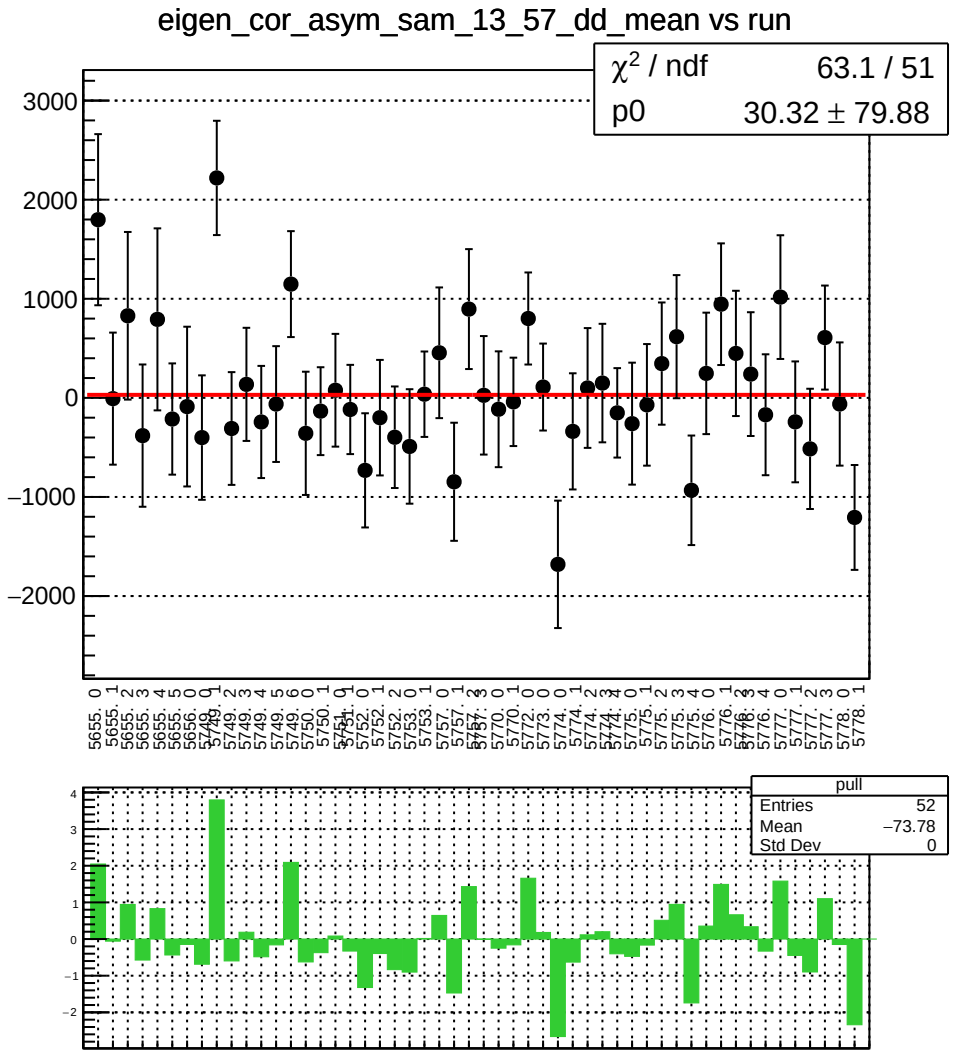
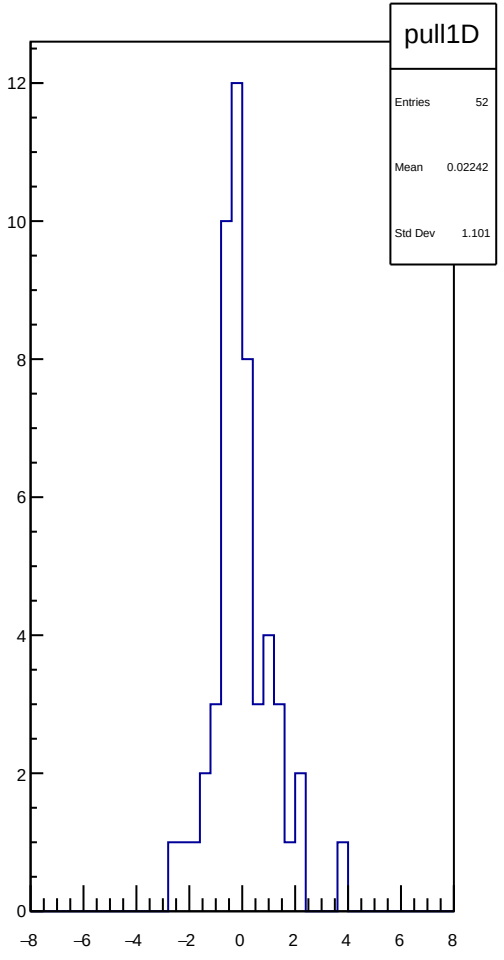
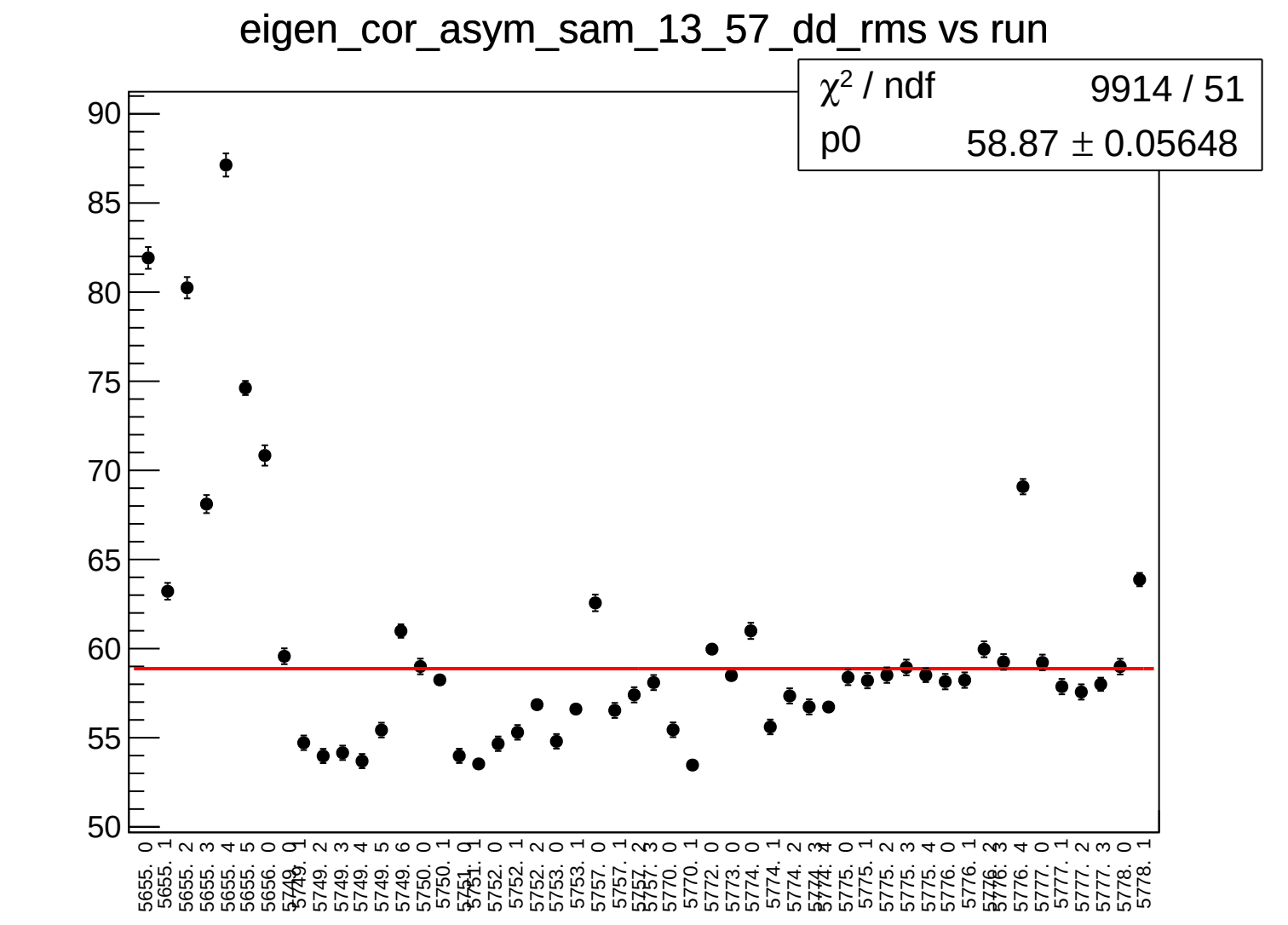
5778. 1


eigen_cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 63.1 / 51
p0 30.32 ± 79.88
pull
Entries 52
Mean −73.78
Std Dev 0


pull1D
Entries 52
Mean 0.02242
Std Dev 1.101


eigen_cor_asym_sam_13_57_dd_rms vs run
χ^2 / ndf 9914 / 51
p0 58.87 ± 0.05648
90
85
80
75
70
65
60
55
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
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5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
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5774. 0
5774. 1
5774. 2
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5775. 3
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5777. 2
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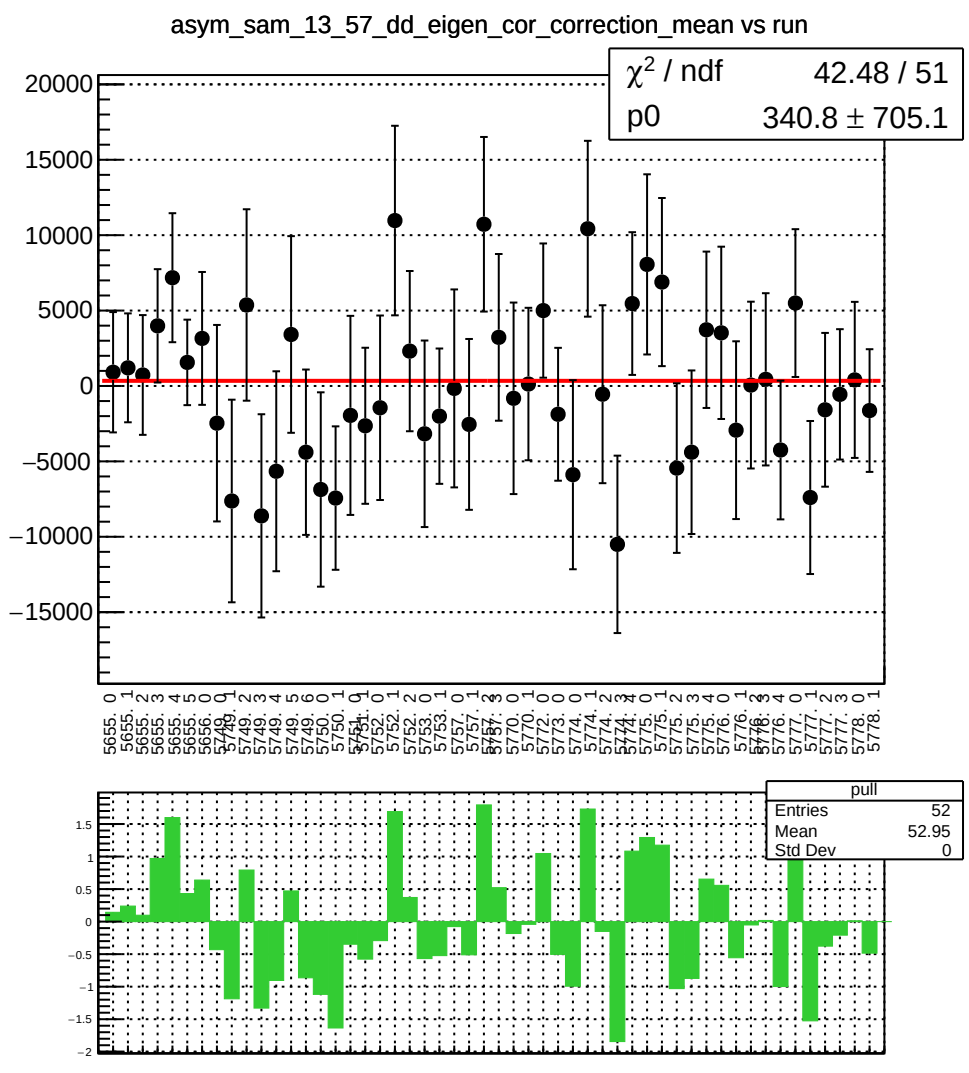
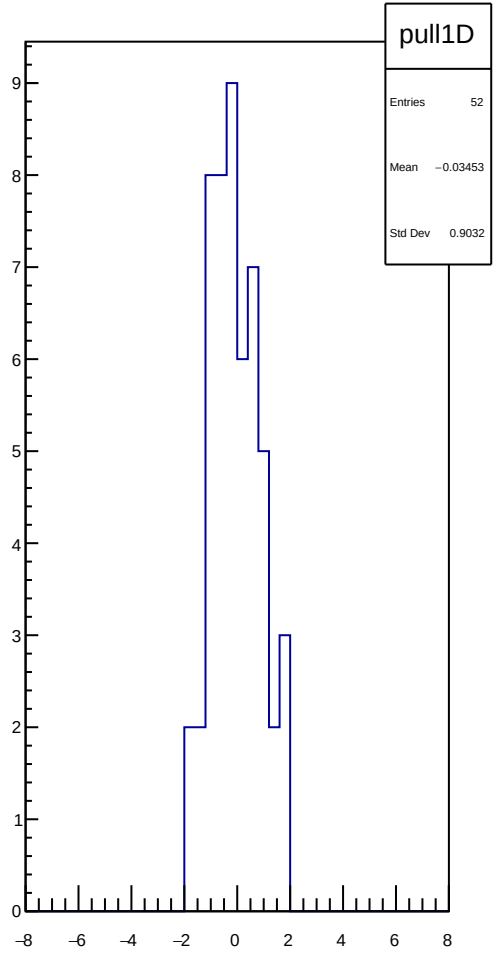
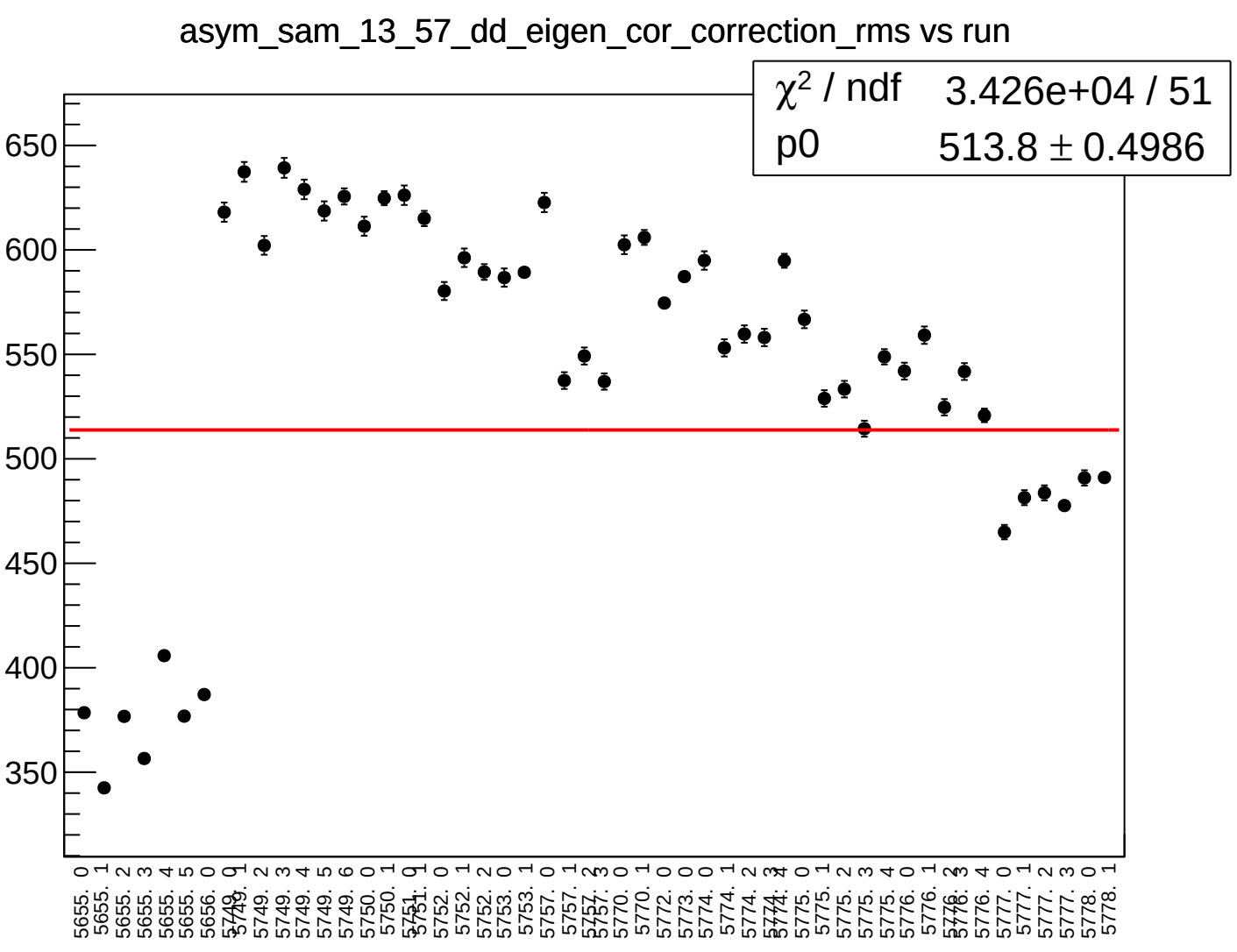

asym_sam_13_57_dd_eigen_cor_correction_mean vs run
χ² / ndf 42.48 / 51
p0 340.8 ± 705.1
pull
Entries 52
Mean 52.95
Std Dev 0


pull1D
Entries 52
Mean −0.03453
Std Dev 0.9032


asym_sam_13_57_dd_eigen_cor_correction_rms vs run
χ² / ndf 3.426e+04 / 51
p0 513.8 ± 0.4986
650
600
550
500
450
400
350
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
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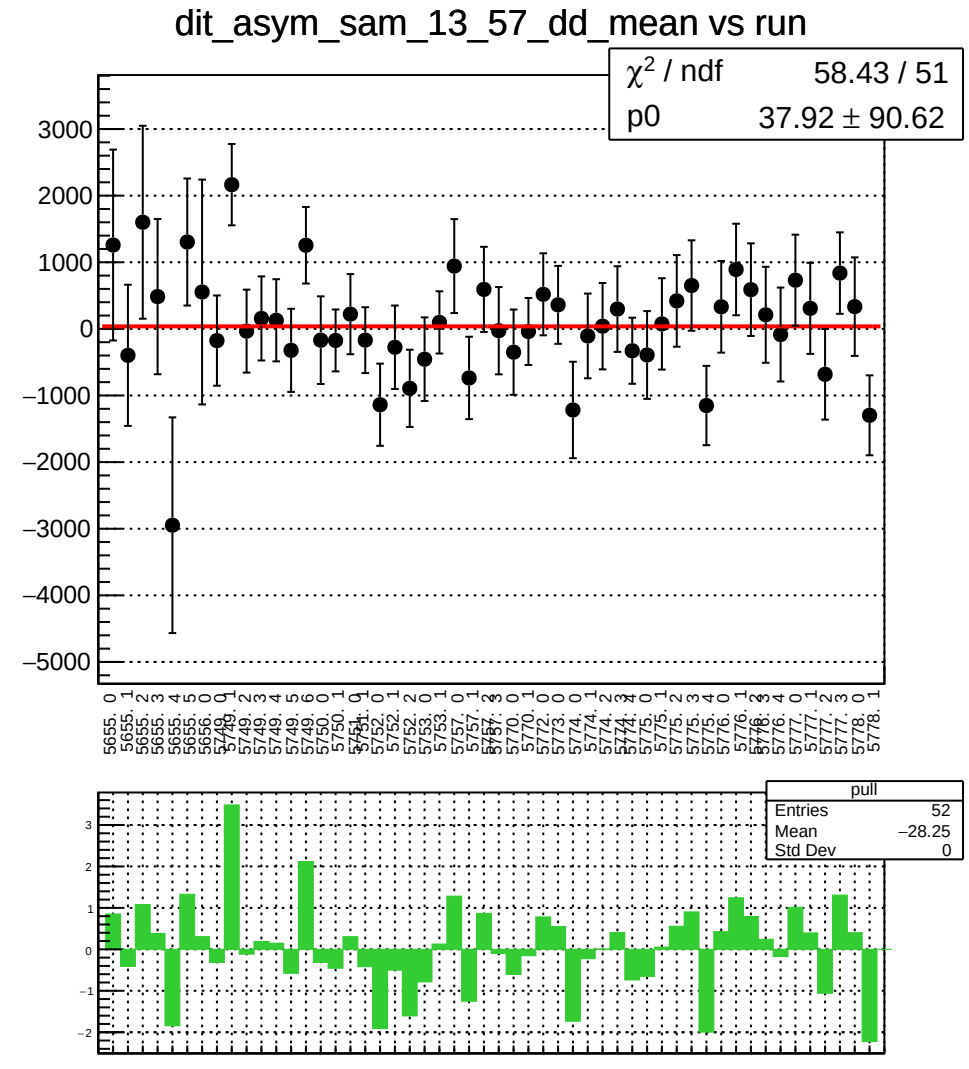
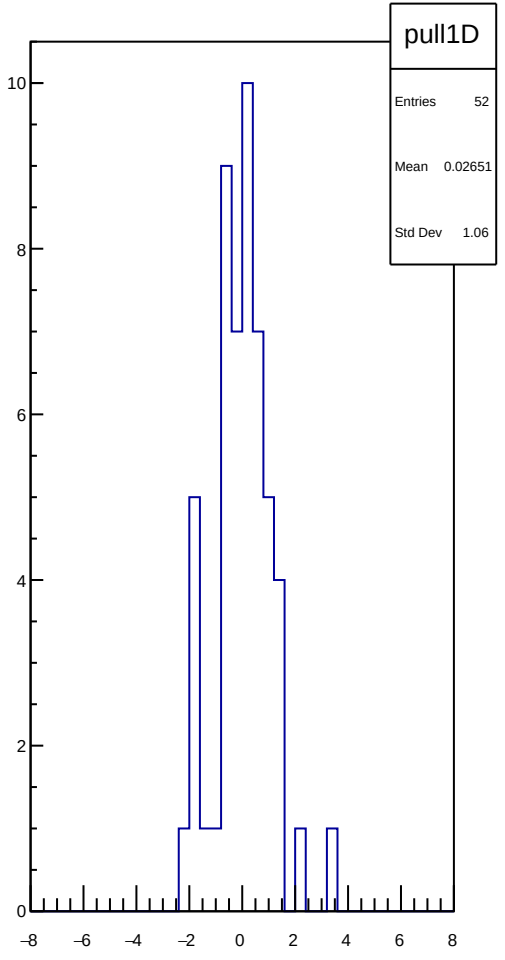
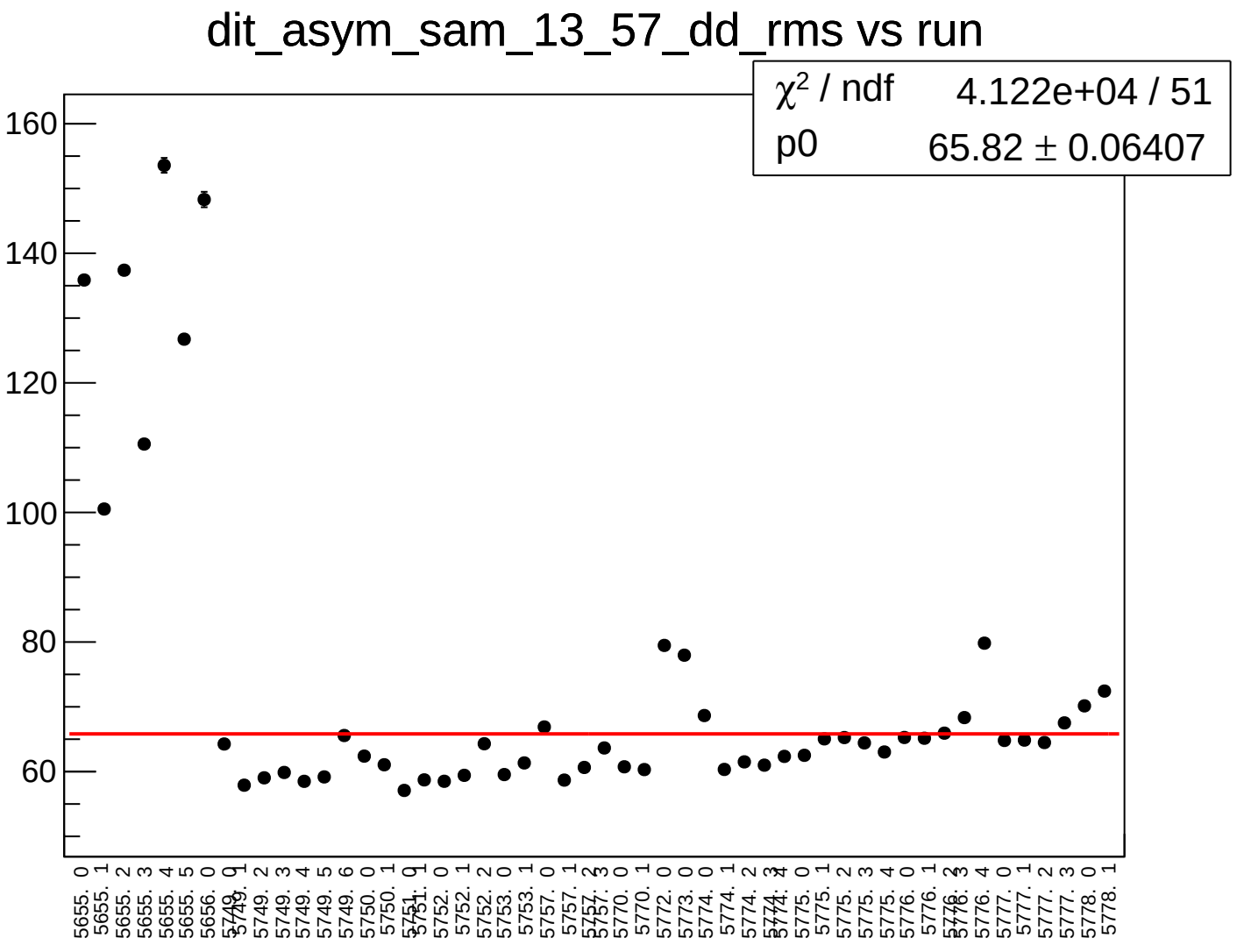
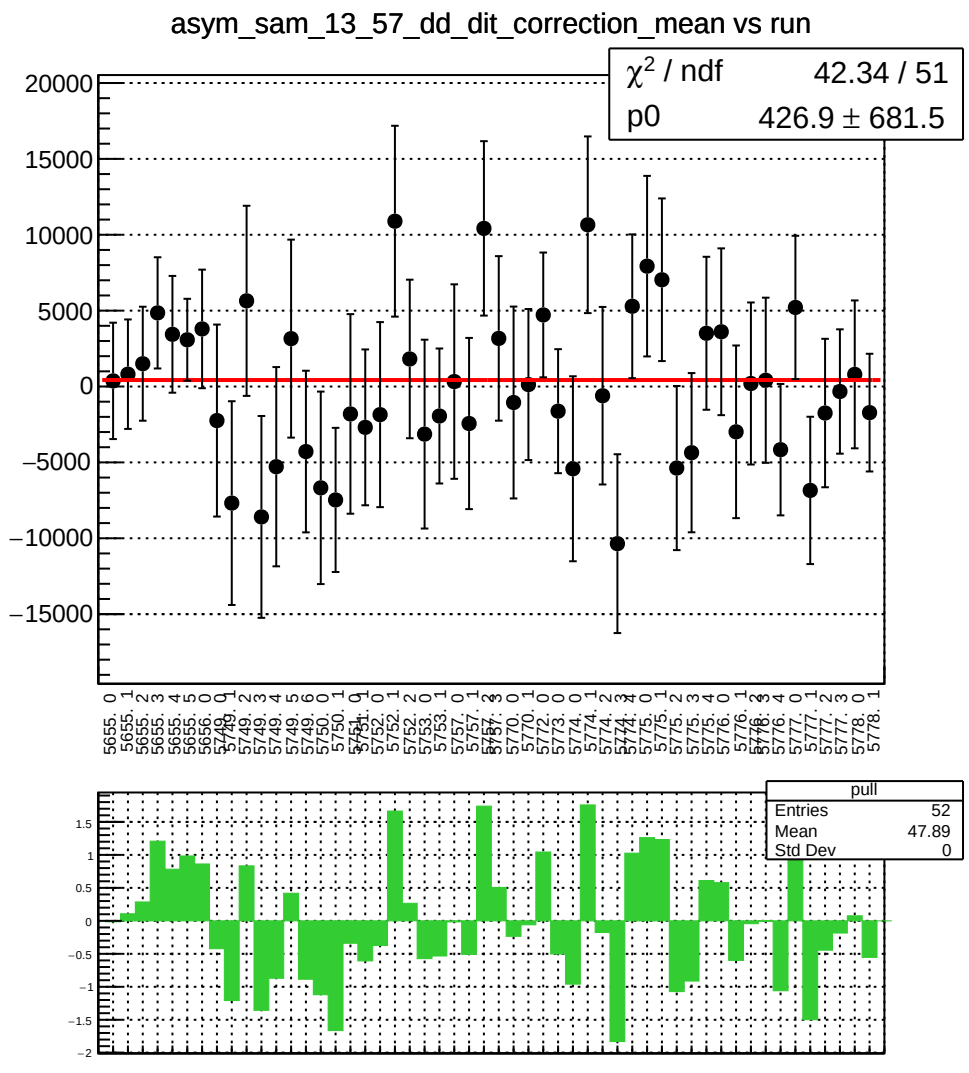
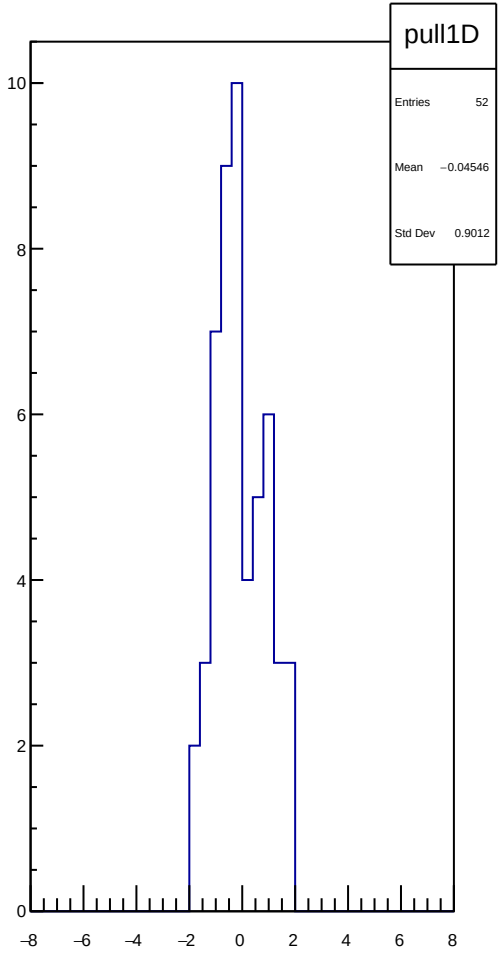
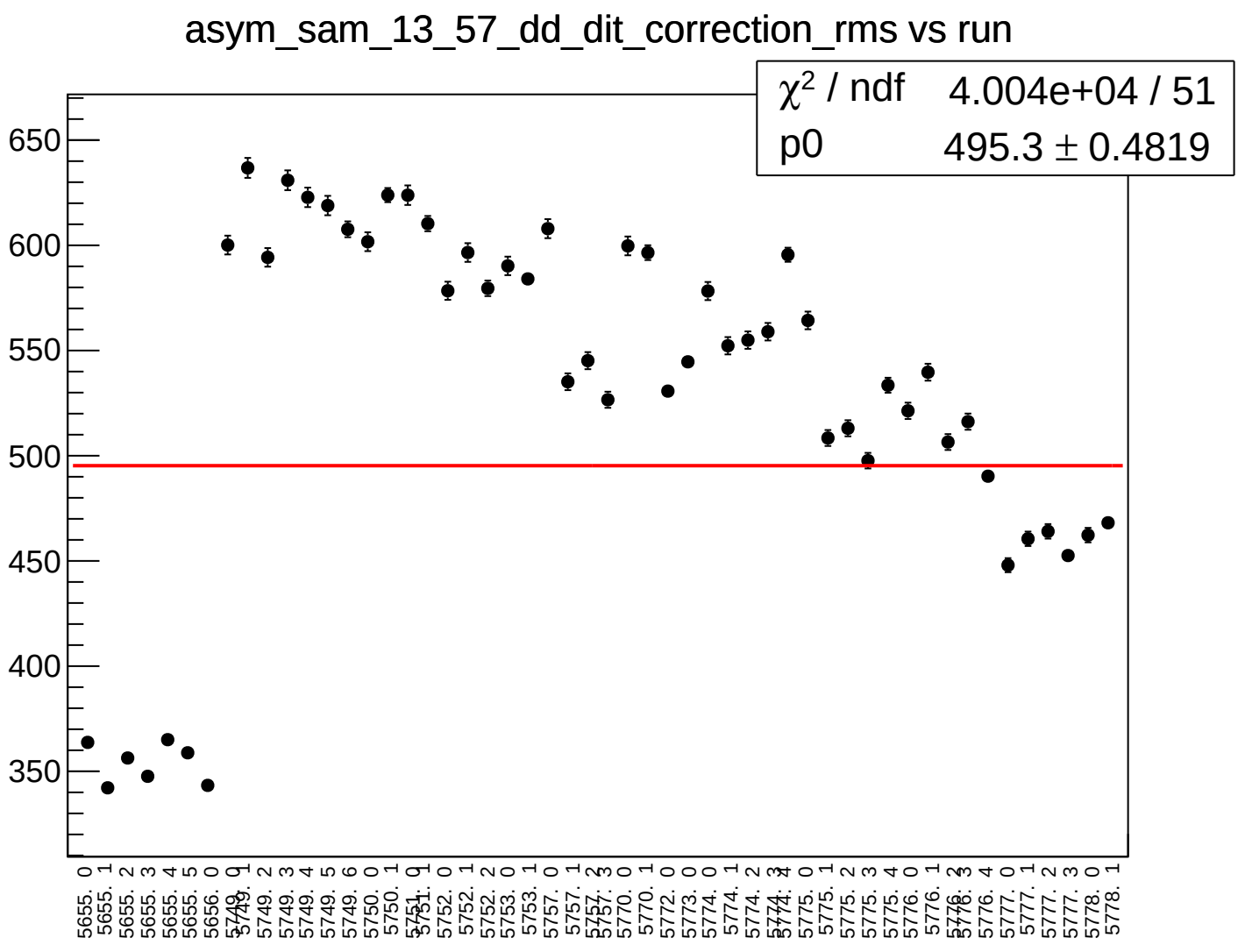

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 58.43 / 51
p0 37.92 ± 90.62
pull
Entries 52
Mean −28.25
Std Dev 0

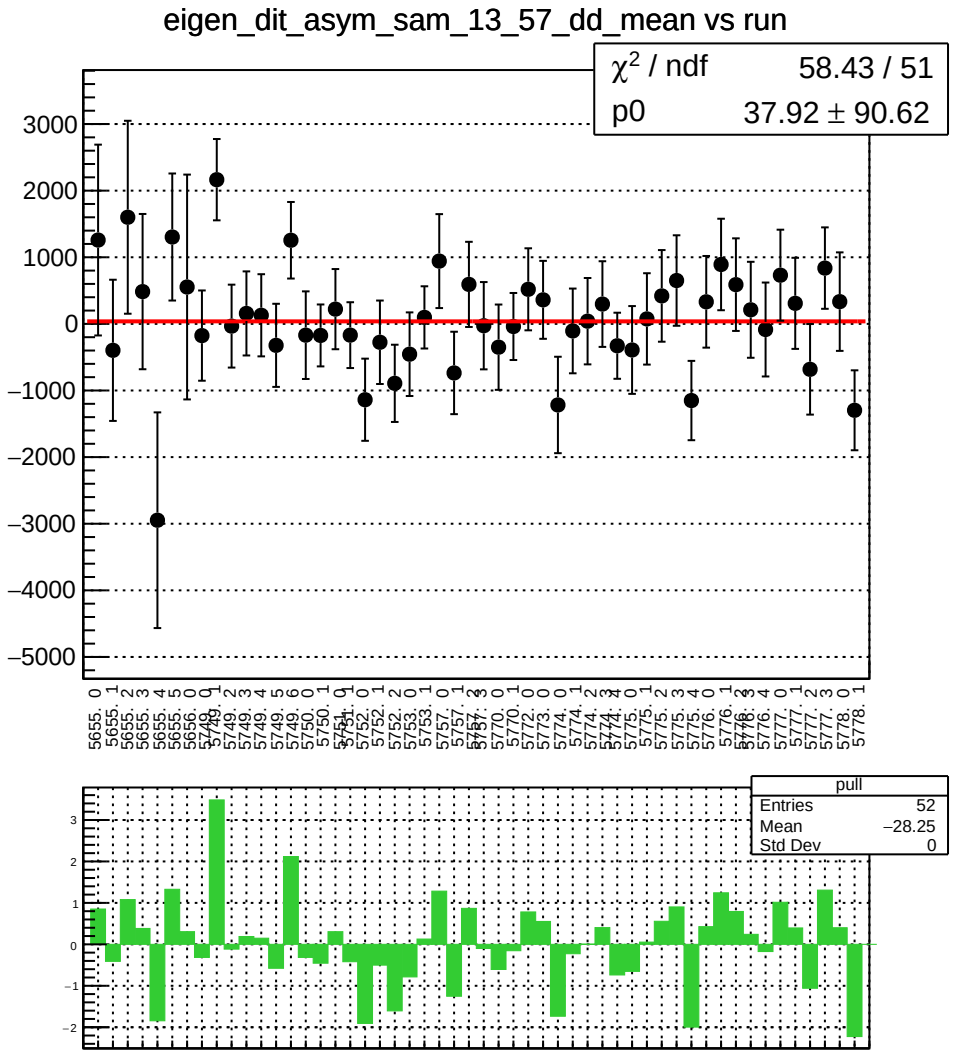

pull1D
Entries 52
Mean 0.02651
Std Dev 1.06

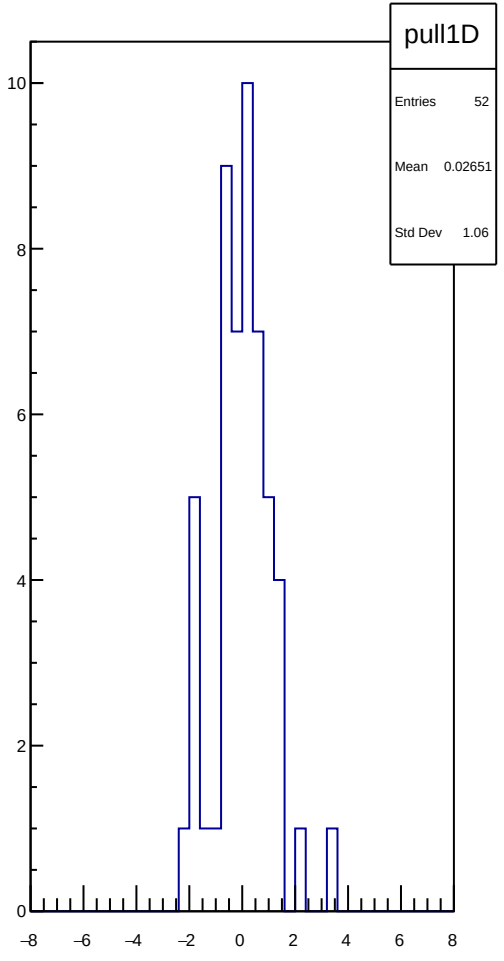

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 4.122e+04 / 51
p0 65.82 ± 0.06407
160
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

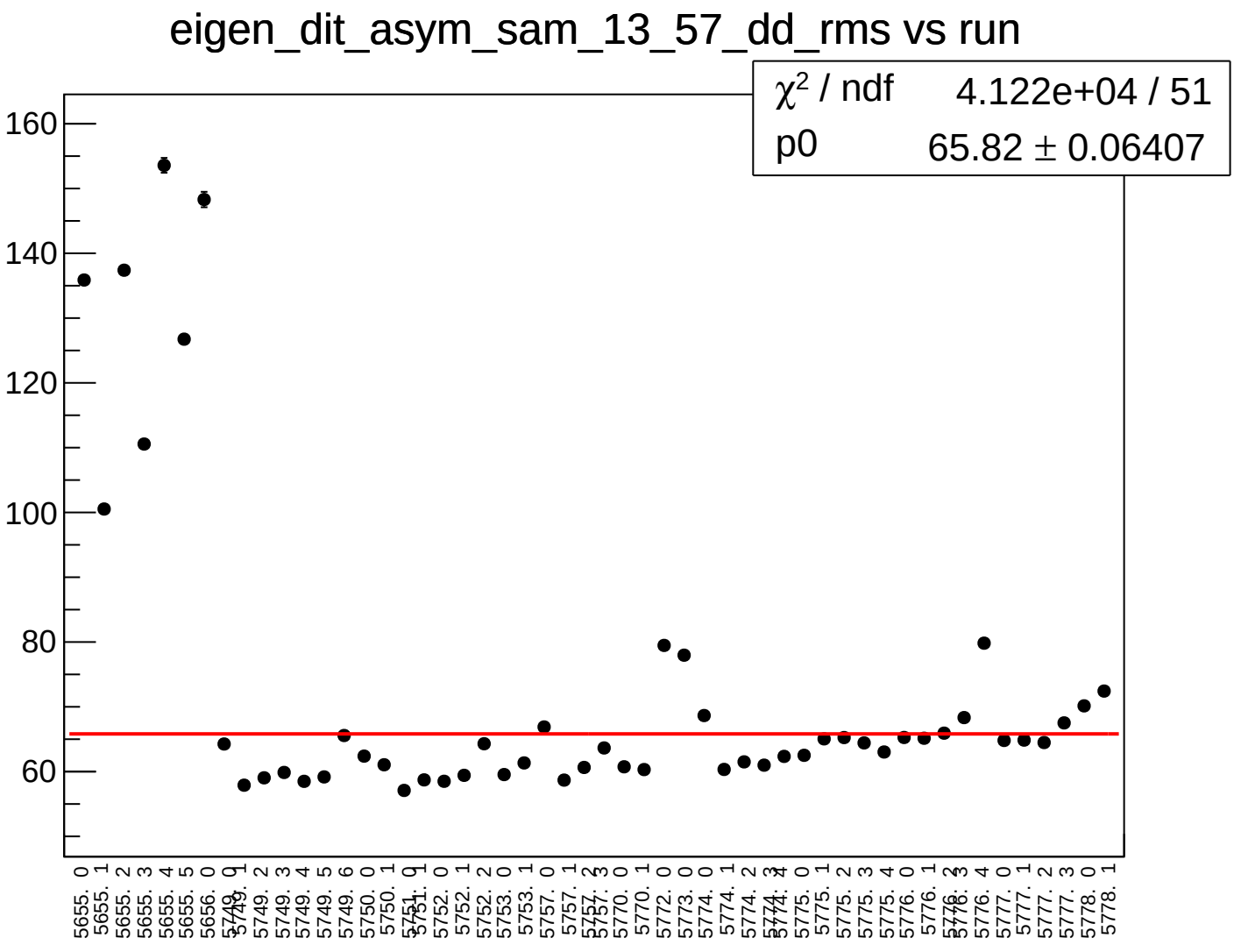

asym_sam_13_57_dd_dit_correction_mean vs run
χ² / ndf 42.34 / 51
p0 426.9 ± 681.5
pull
Entries 52
Mean 47.89
Std Dev 0

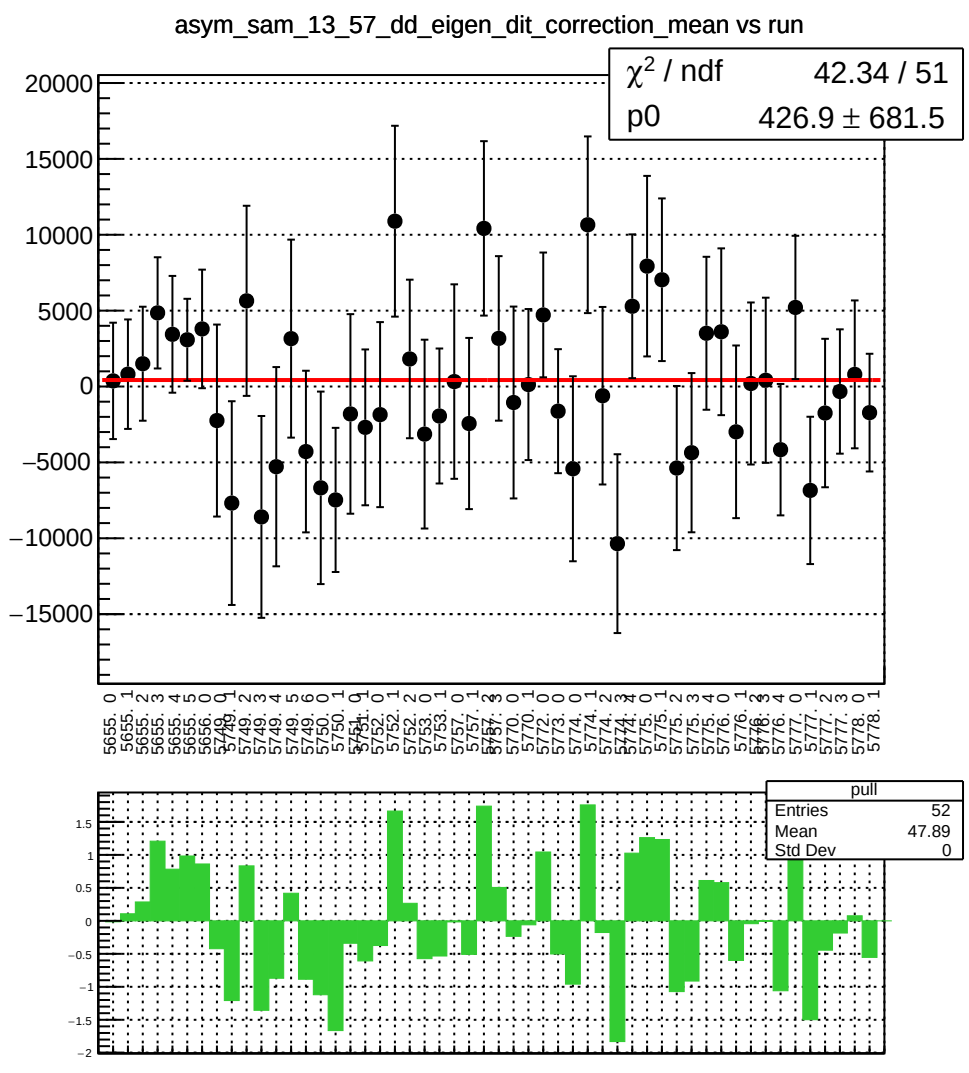

pull1D
Entries 52
Mean −0.04546
Std Dev 0.9012

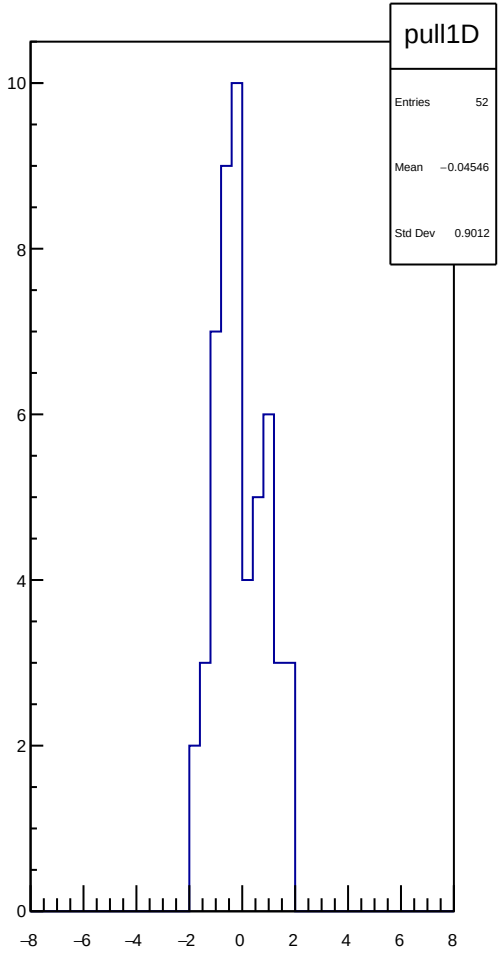

asym_sam_13_57_dd_dit_correction_rms vs run
χ² / ndf 4.004e+04 / 51
p0 495.3 ± 0.4819
650
600
550
500
450
400
350
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

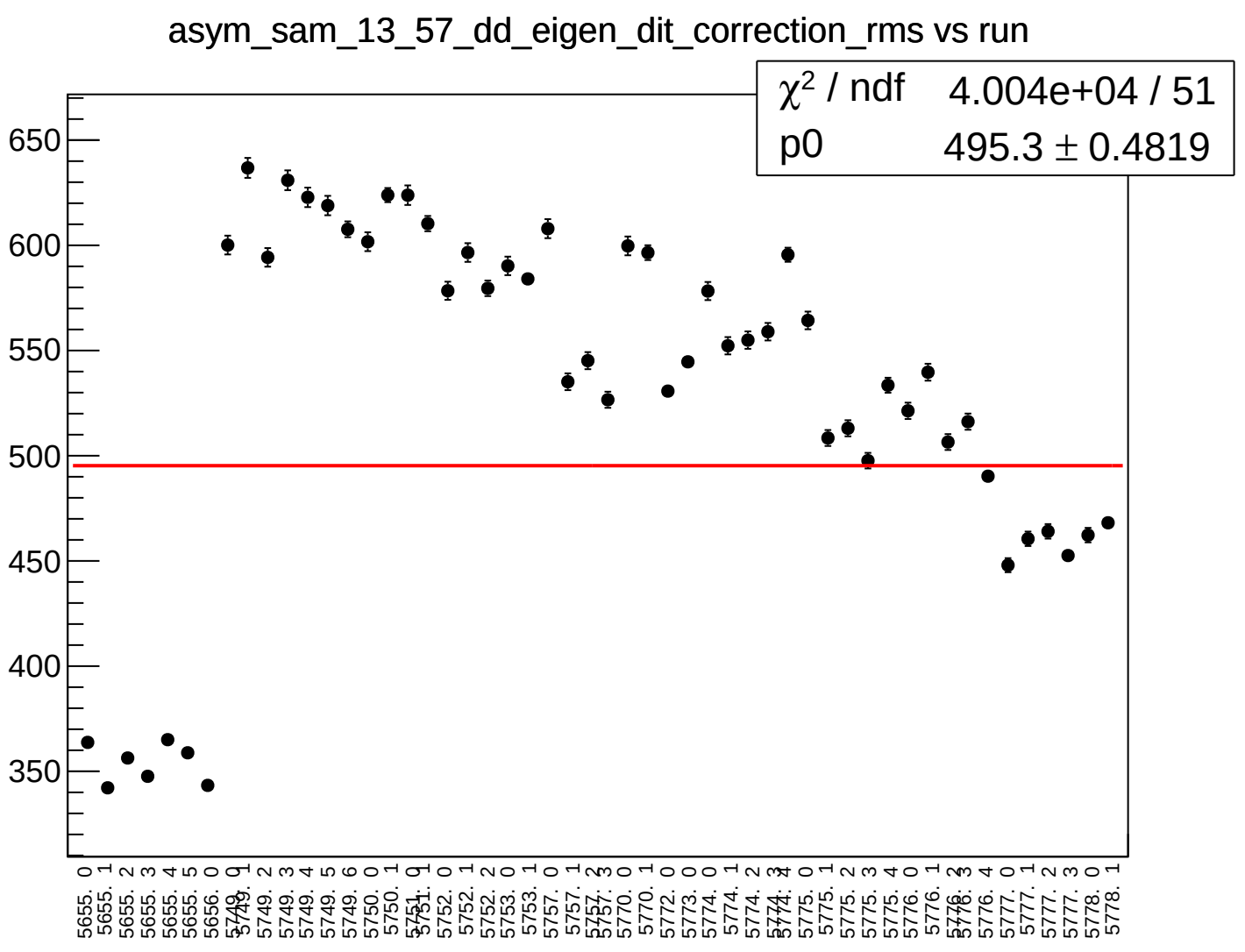

eigen_dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 58.43 / 51
p0 37.92 ± 90.62
pull
Entries 52
Mean −28.25
Std Dev 0

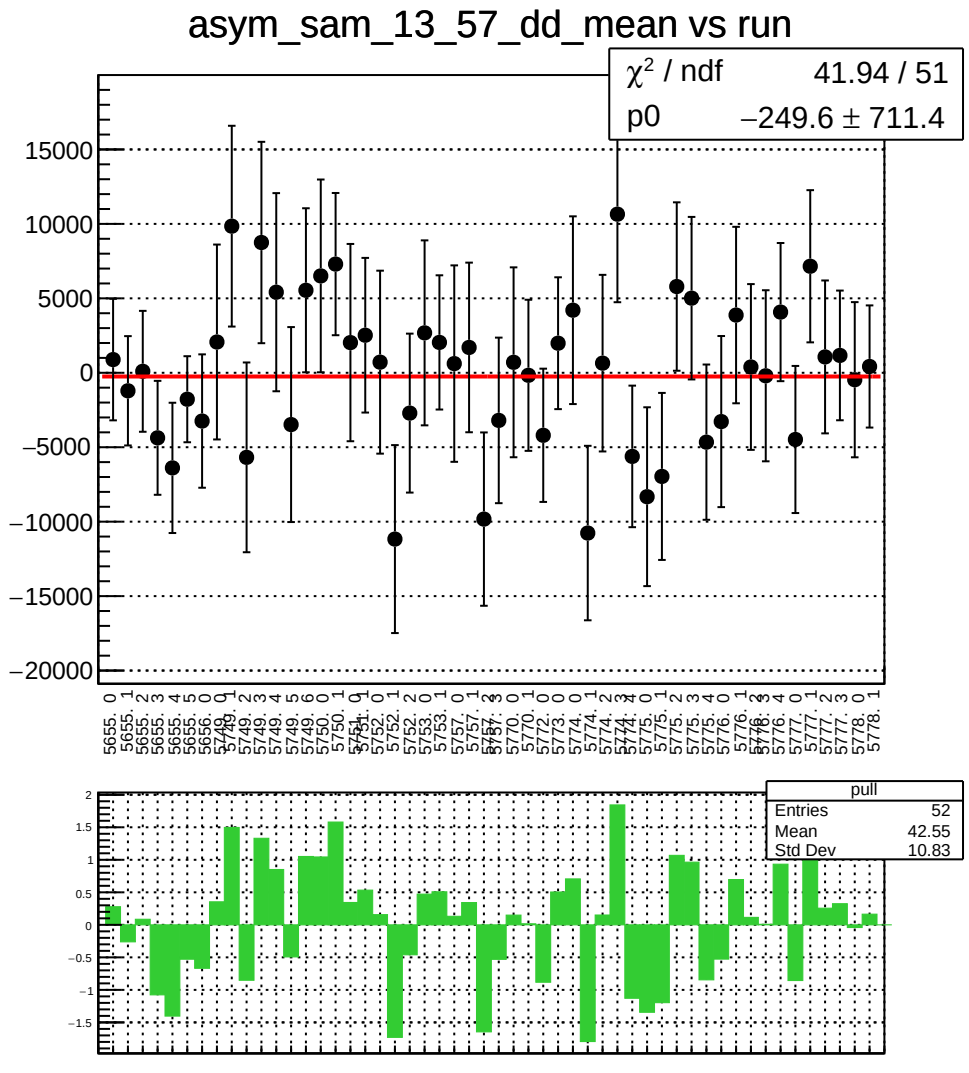

pull1D
Entries 52
Mean 0.02651
Std Dev 1.06

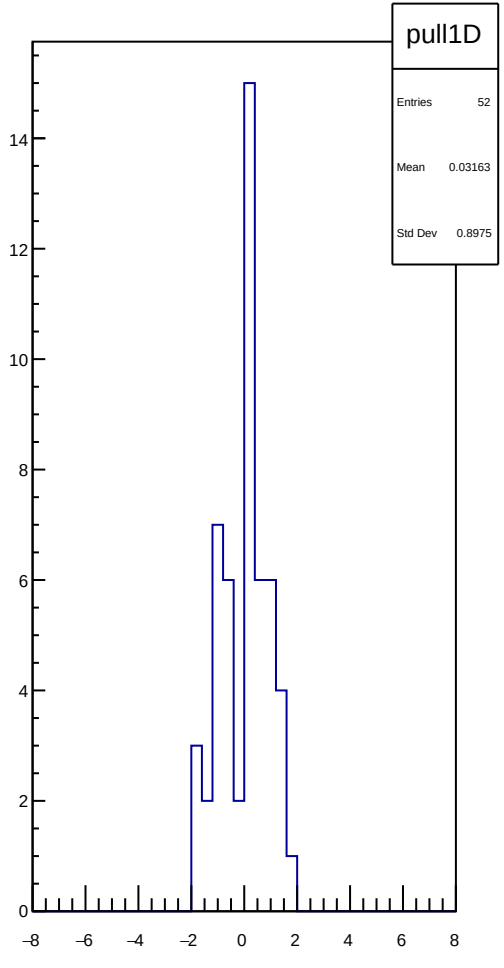

eigen_dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 4.122e+04 / 51
p0 65.82 ± 0.06407
160
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

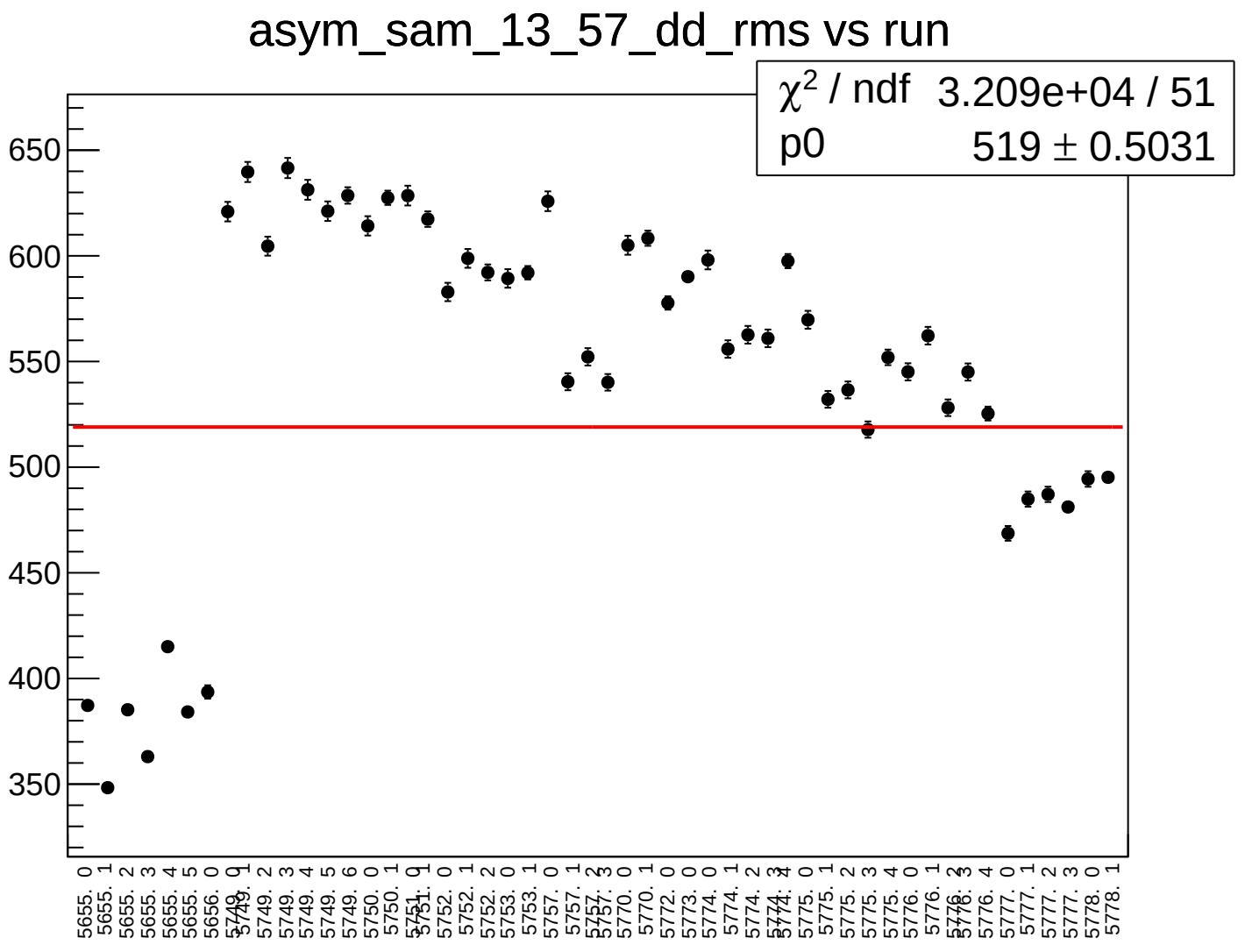

asym_sam_13_57_dd_eigen_dit_correction_mean vs run
χ² / ndf 42.34 / 51
p0 426.9 ± 681.5
pull
Entries 52
Mean 47.89
Std Dev 0

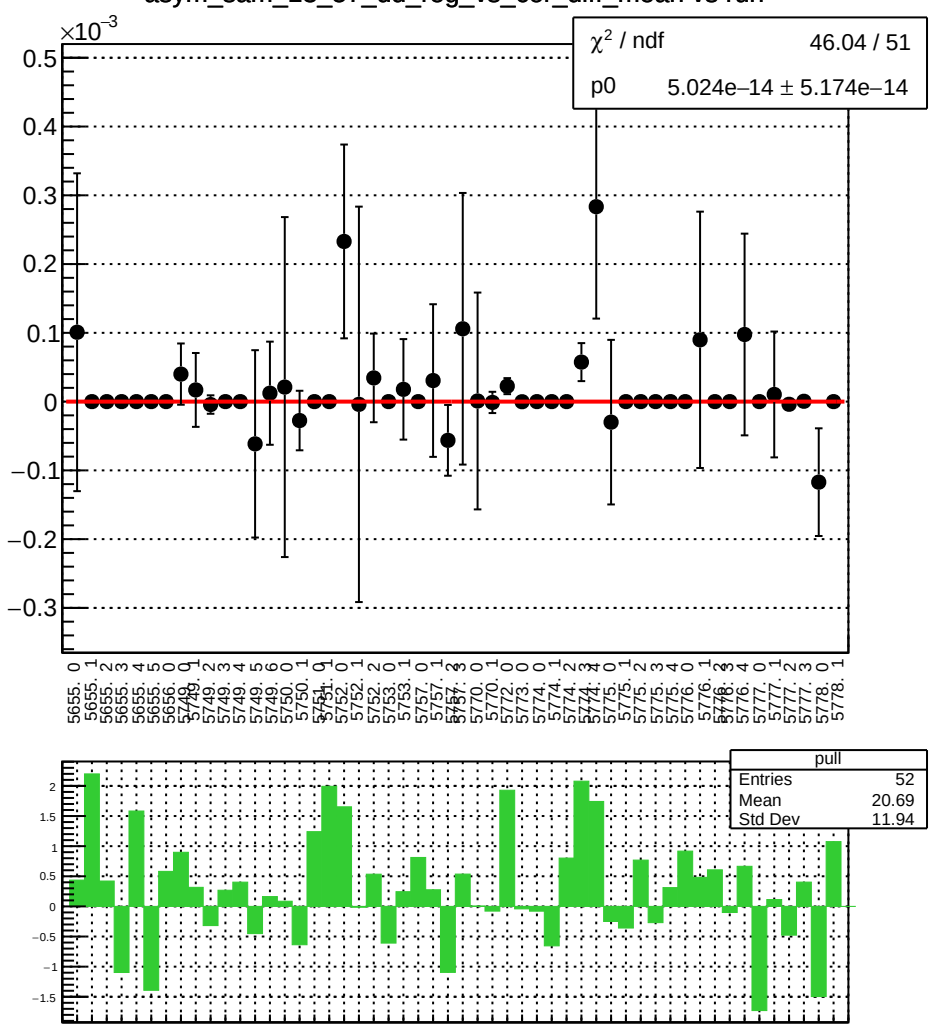

pull1D
Entries 52
Mean −0.04546
Std Dev 0.9012

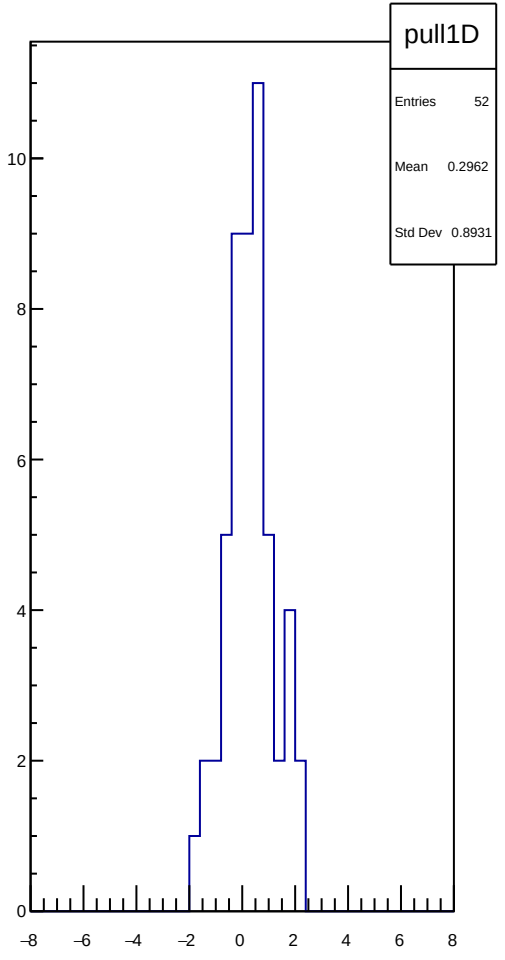

asym_sam_13_57_dd_eigen_dit_correction_rms vs run
χ² / ndf 4.004e+04 / 51
p0 495.3 ± 0.4819
650
600
550
500
450
400
350
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

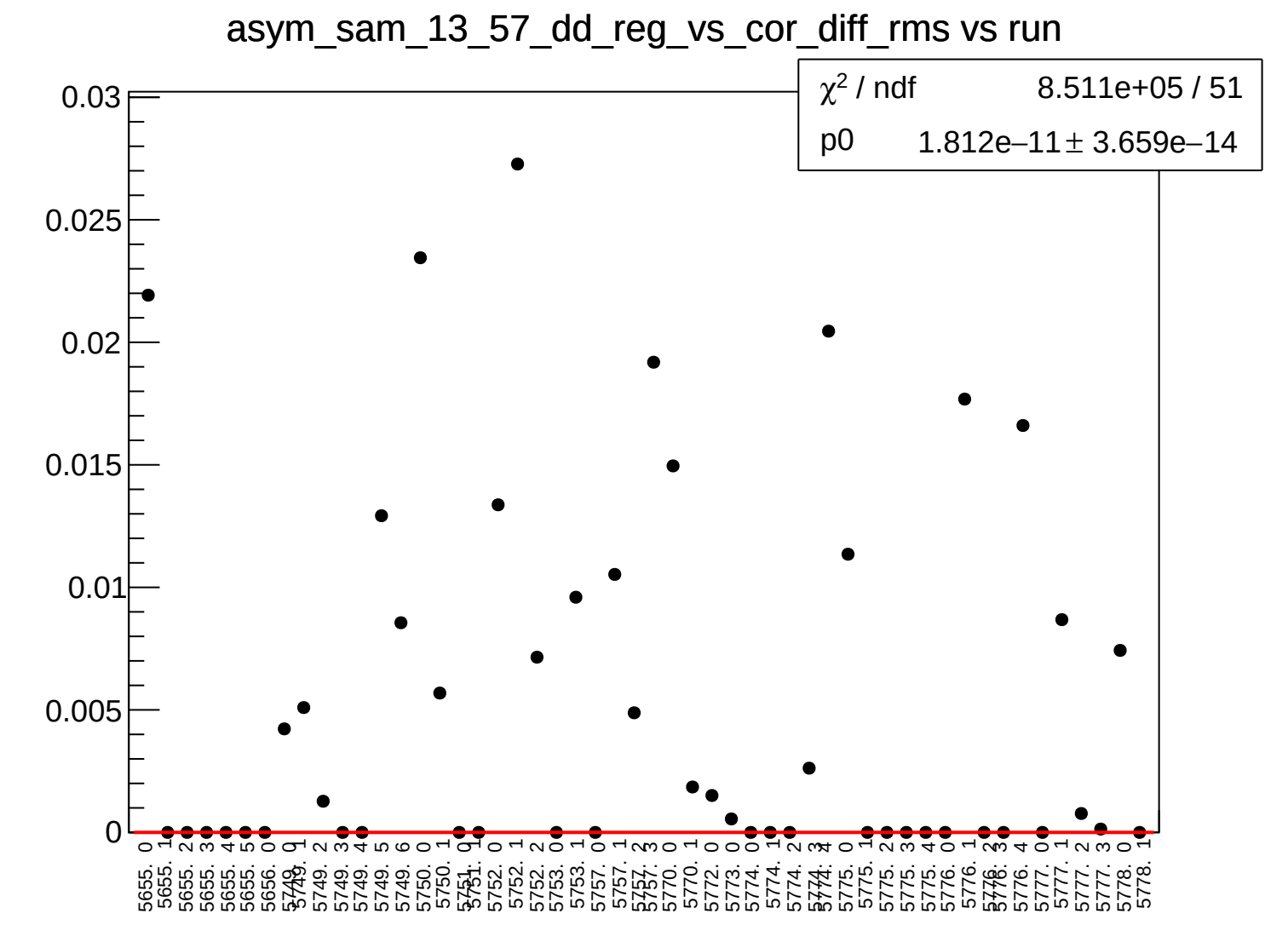

asym_sam_13_57_dd_mean vs run
χ² / ndf 41.94 / 51
p0 −249.6 ± 711.4
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 52
Mean 42.55
Std Dev 10.83
2
1.5
1
0.5
0
−0.5
−1
−1.5

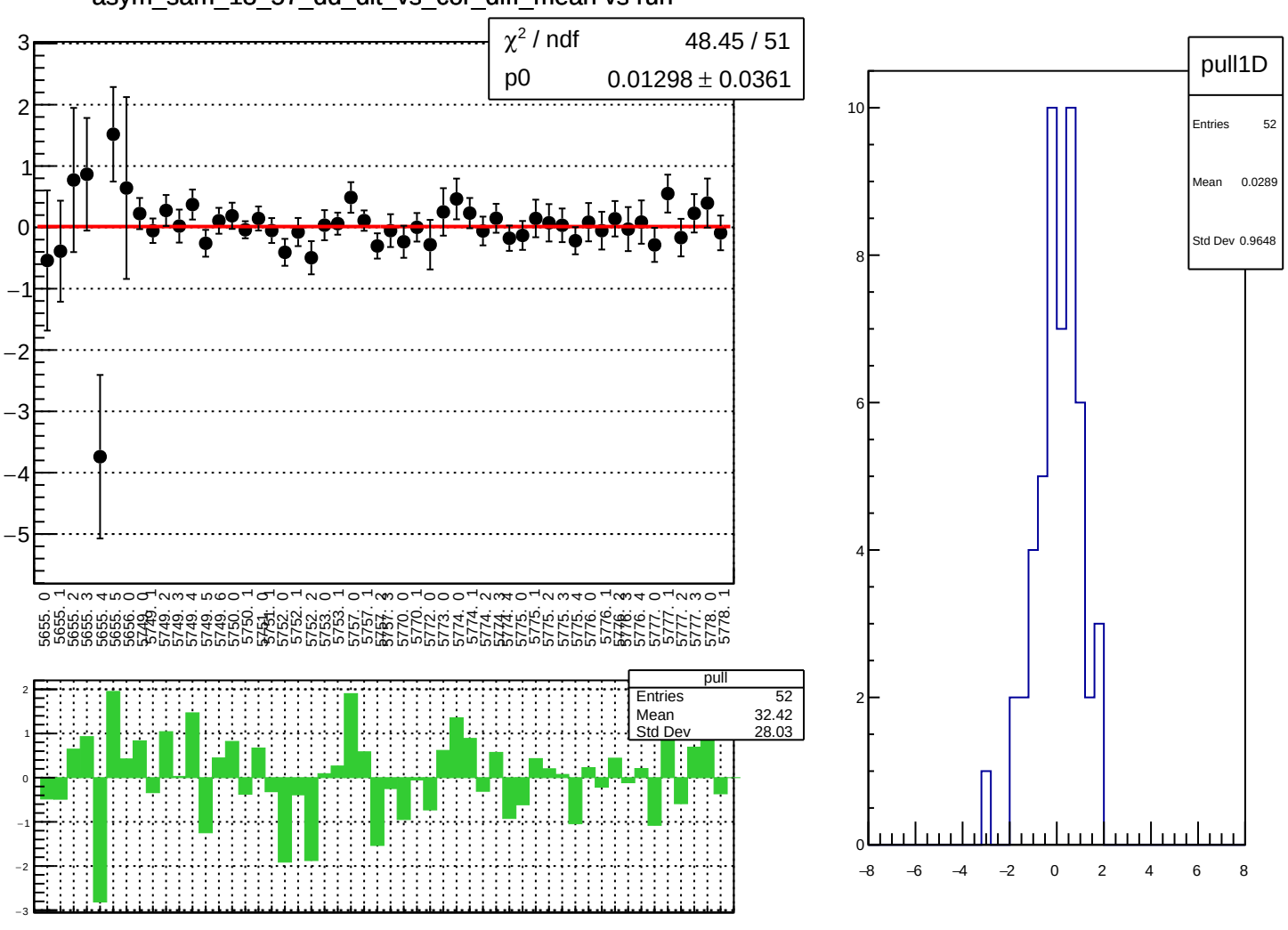

pull1D
Entries 52
Mean 0.03163
Std Dev 0.8975
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

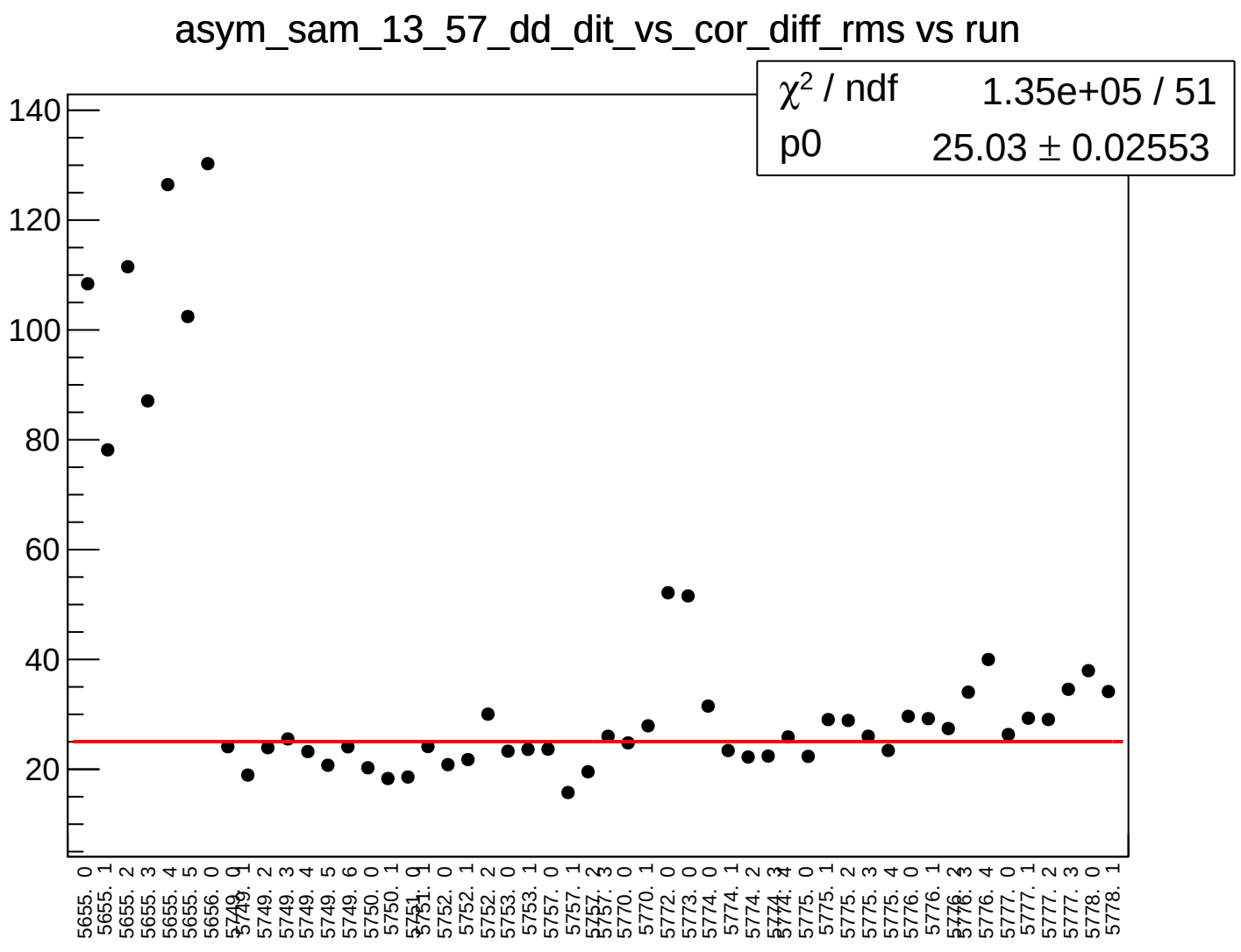

asym_sam_13_57_dd_rms vs run
χ² / ndf 3.209e+04 / 51
p0 519 ± 0.5031
650
600
550
500
450
400
350
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

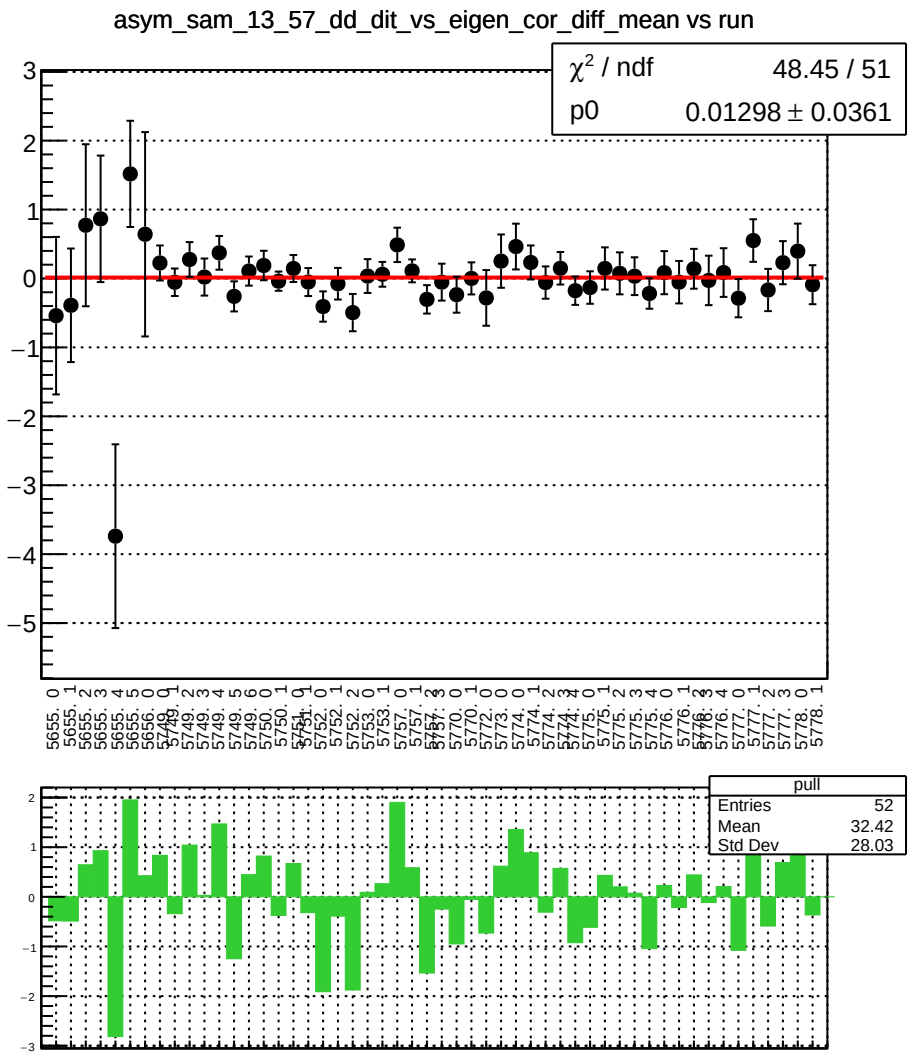

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 46.04 / 51
p0 5.024e−14 ± 5.174e−14
pull
Entries 52
Mean 20.69
Std Dev 11.94

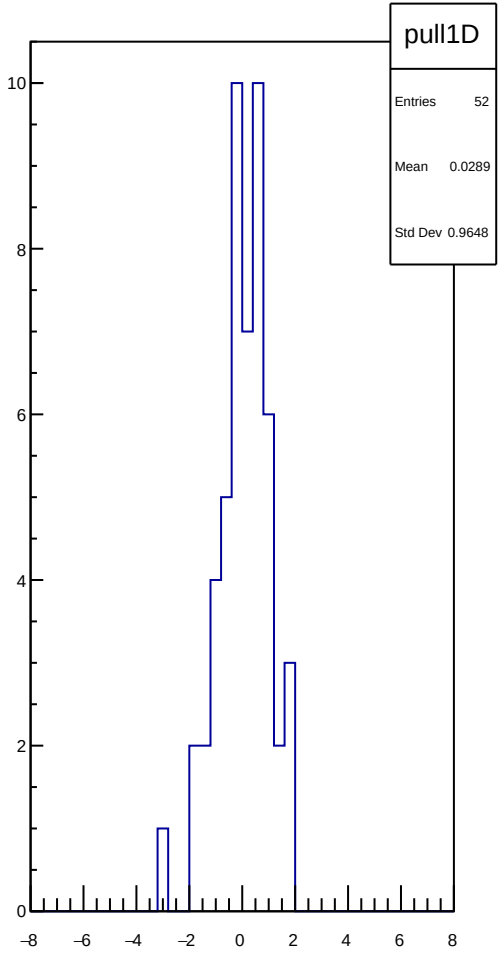

pull1D
Entries 52
Mean 0.2962
Std Dev 0.8931

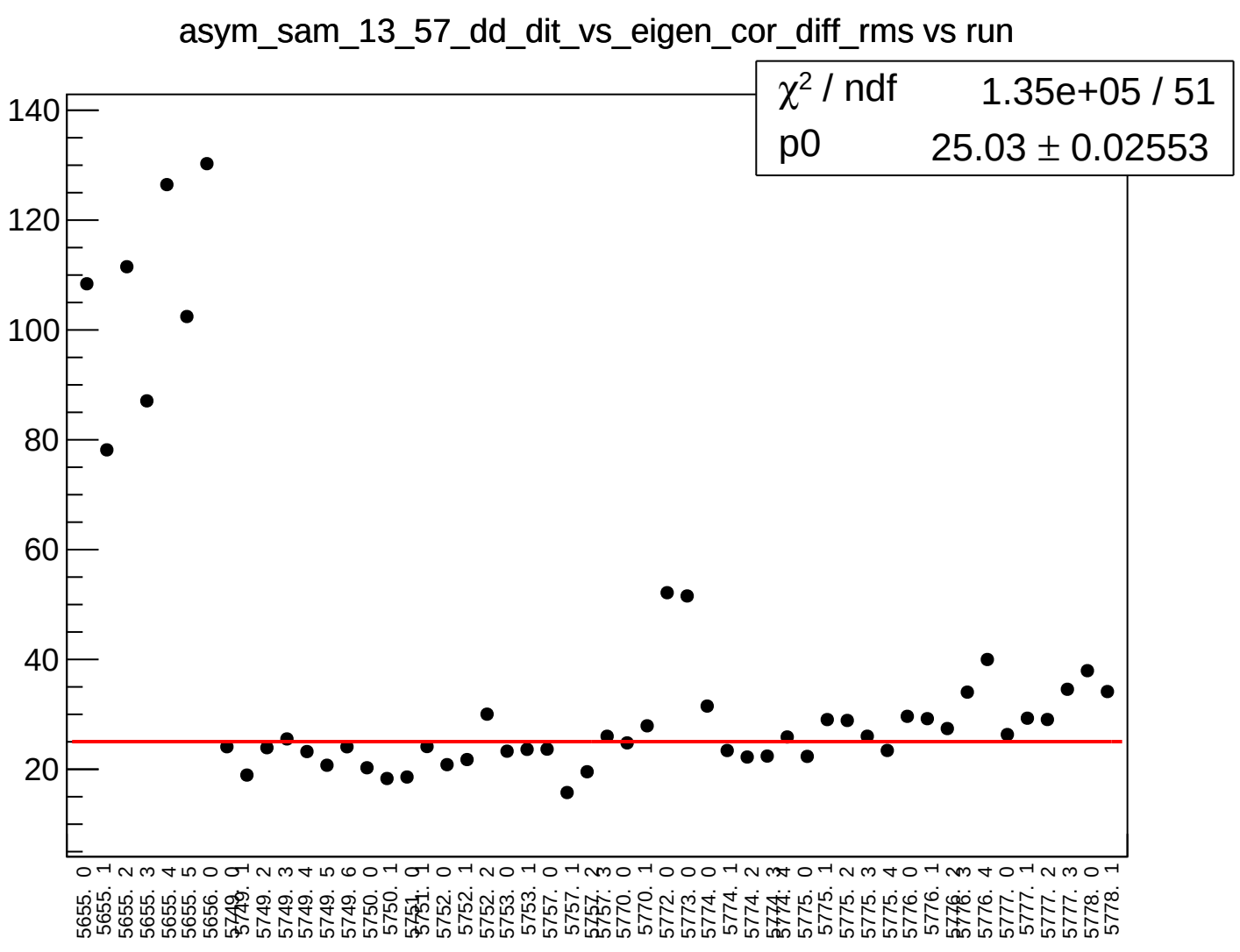

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.511e+05 / 51
p0 1.812e−11 ± 3.659e−14
0.03
0.025
0.02
0.015
0.01
0.005
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

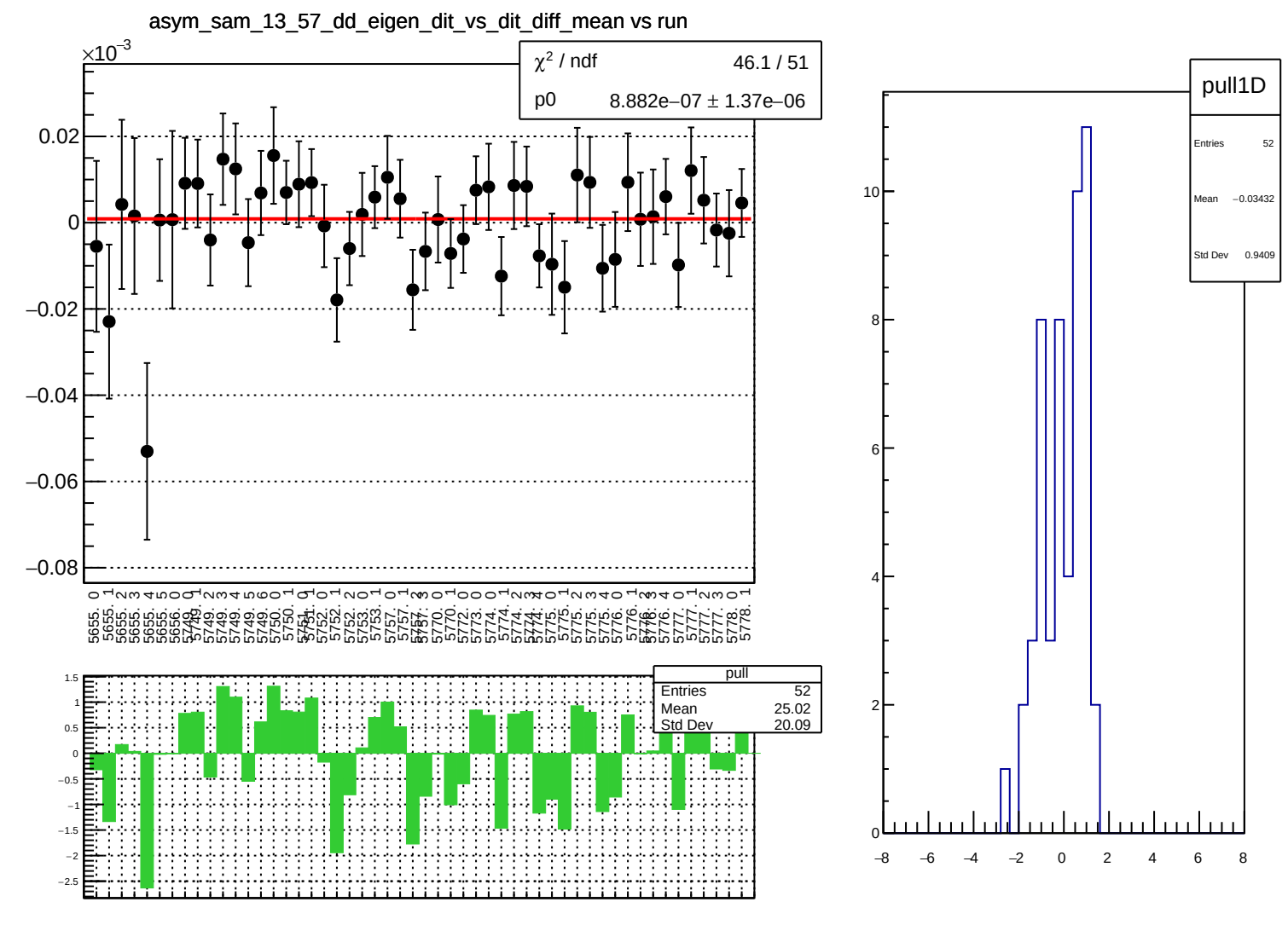

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 48.45 / 51
p0 0.01298 ± 0.0361
pull
Entries 52
Mean 32.42
Std Dev 28.03
pull1D
Entries 52
Mean 0.0289
Std Dev 0.9648

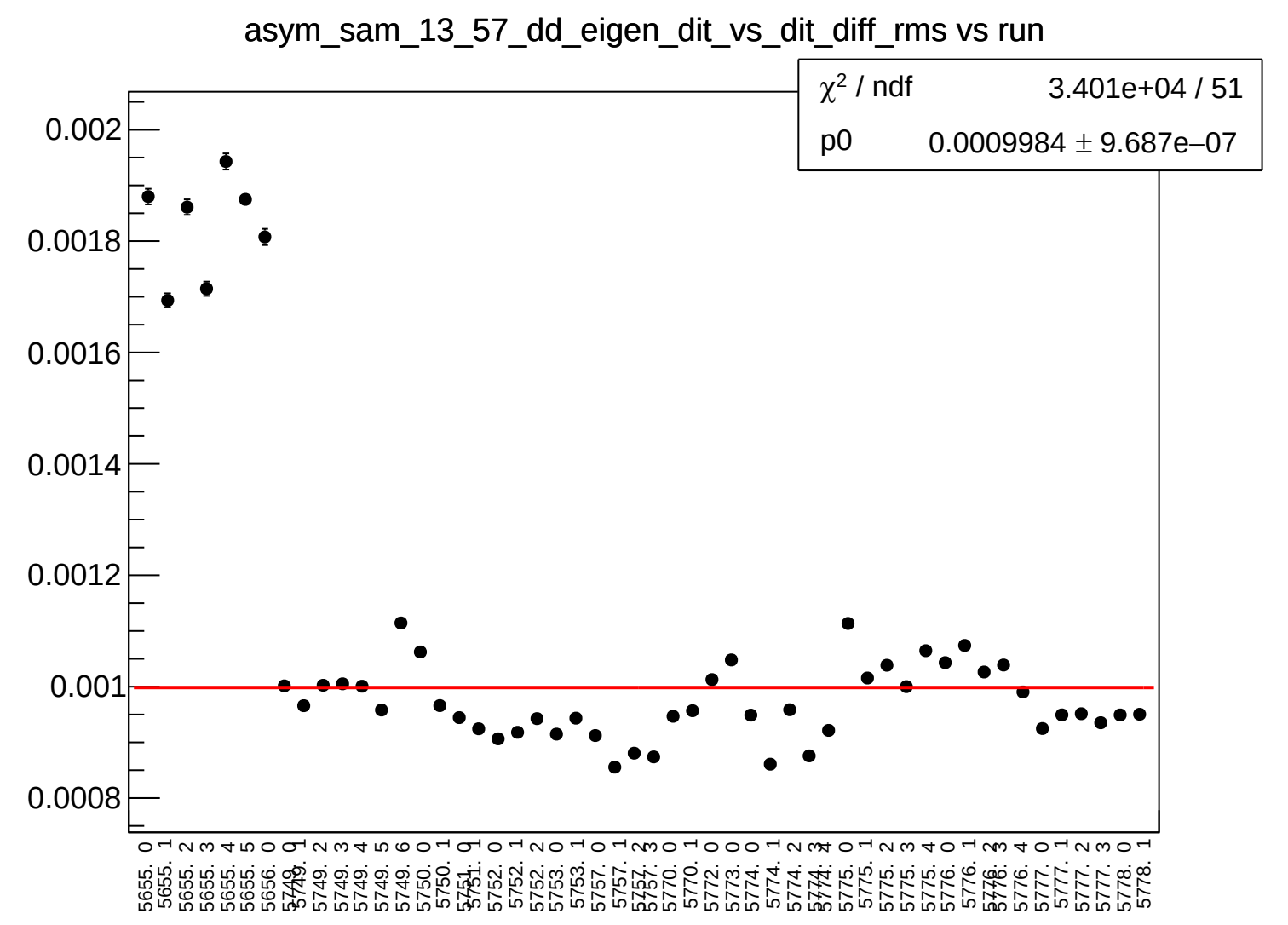

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.35e+05 / 51
p0 25.03 ± 0.02553
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

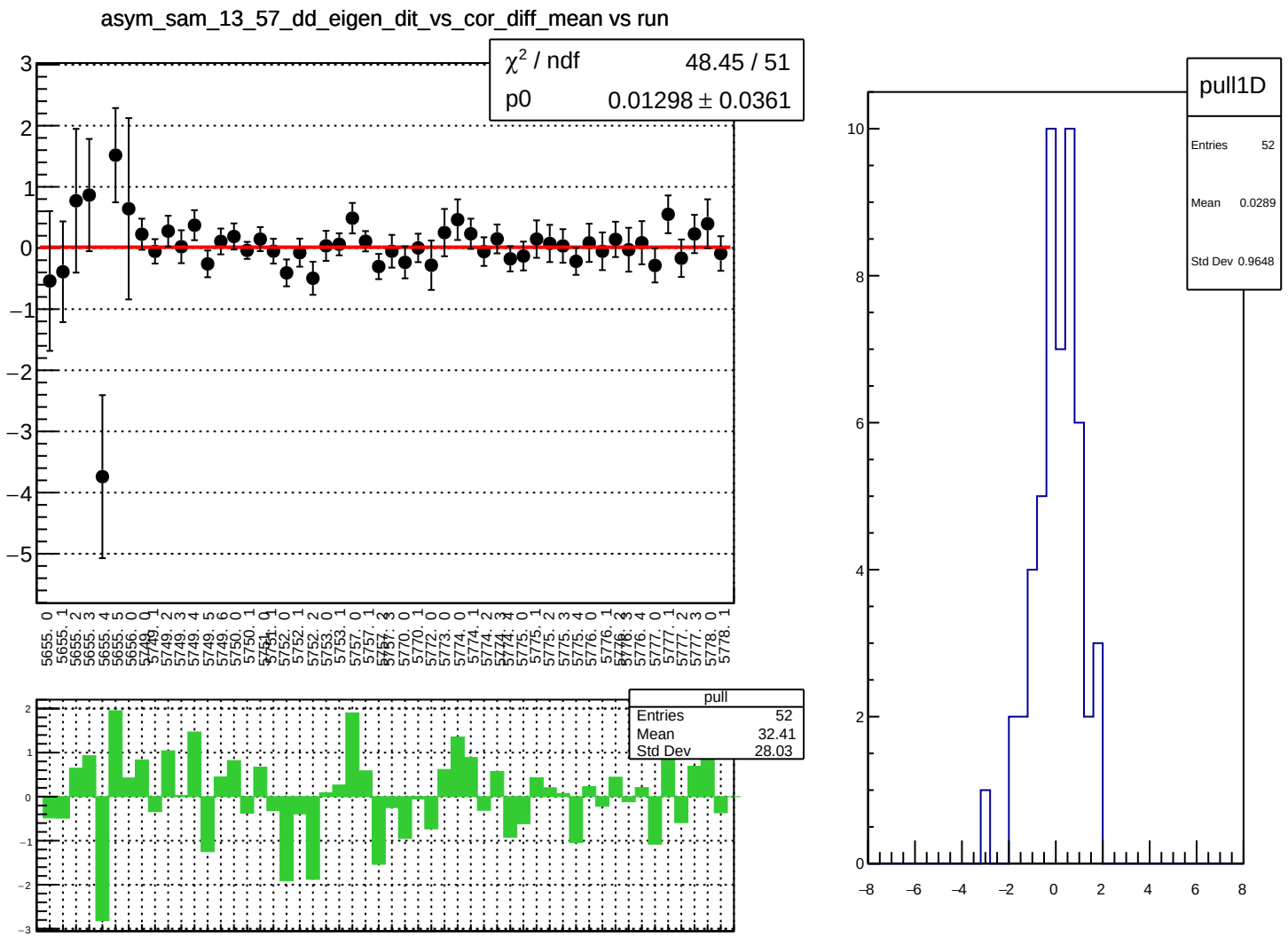

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.45 / 51
p0 0.01298 ± 0.0361
pull
Entries 52
Mean 32.42
Std Dev 28.03

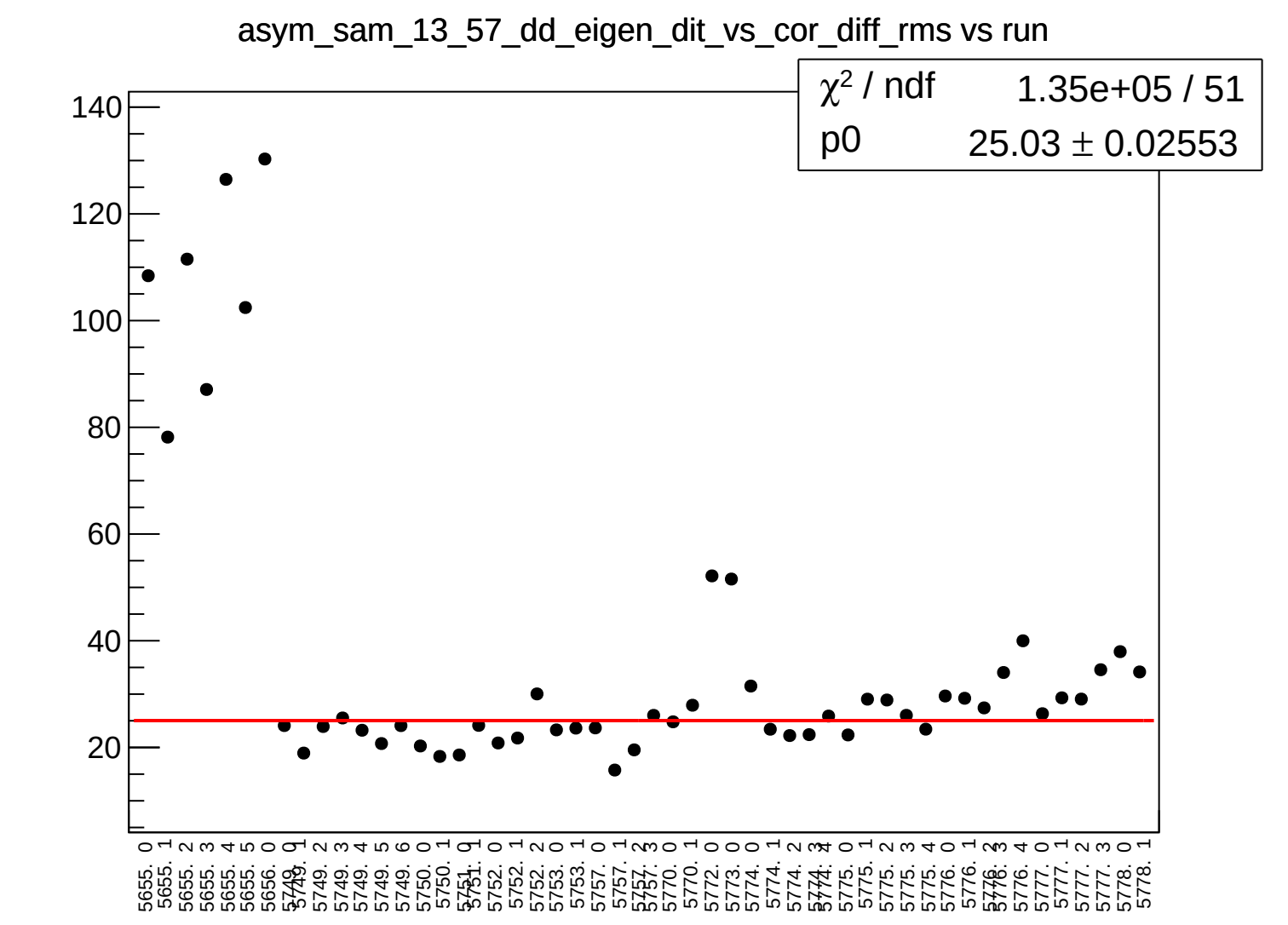

pull1D
Entries 52
Mean 0.0289
Std Dev 0.9648

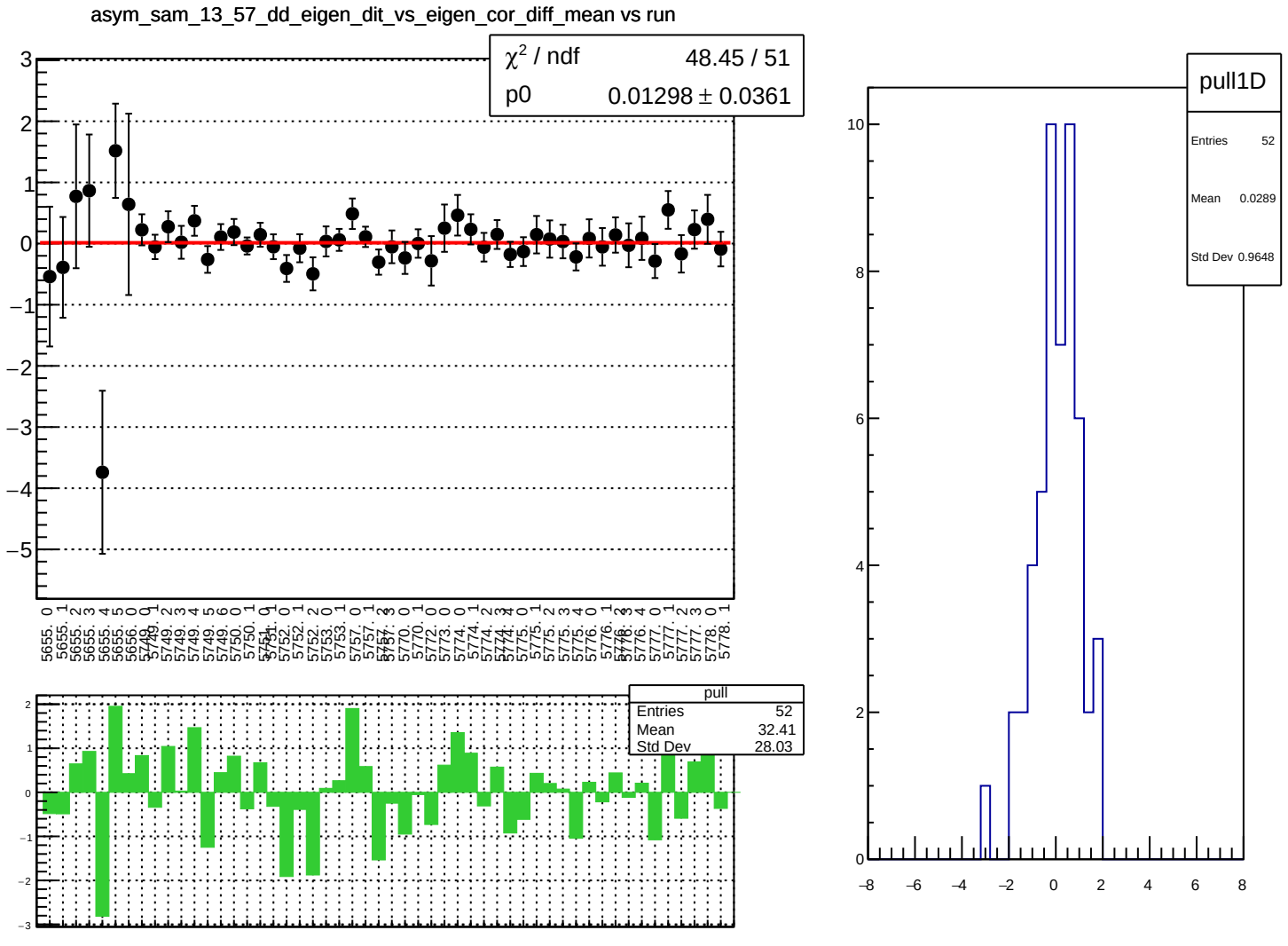

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.35e+05 / 51
p0 25.03 ± 0.02553
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

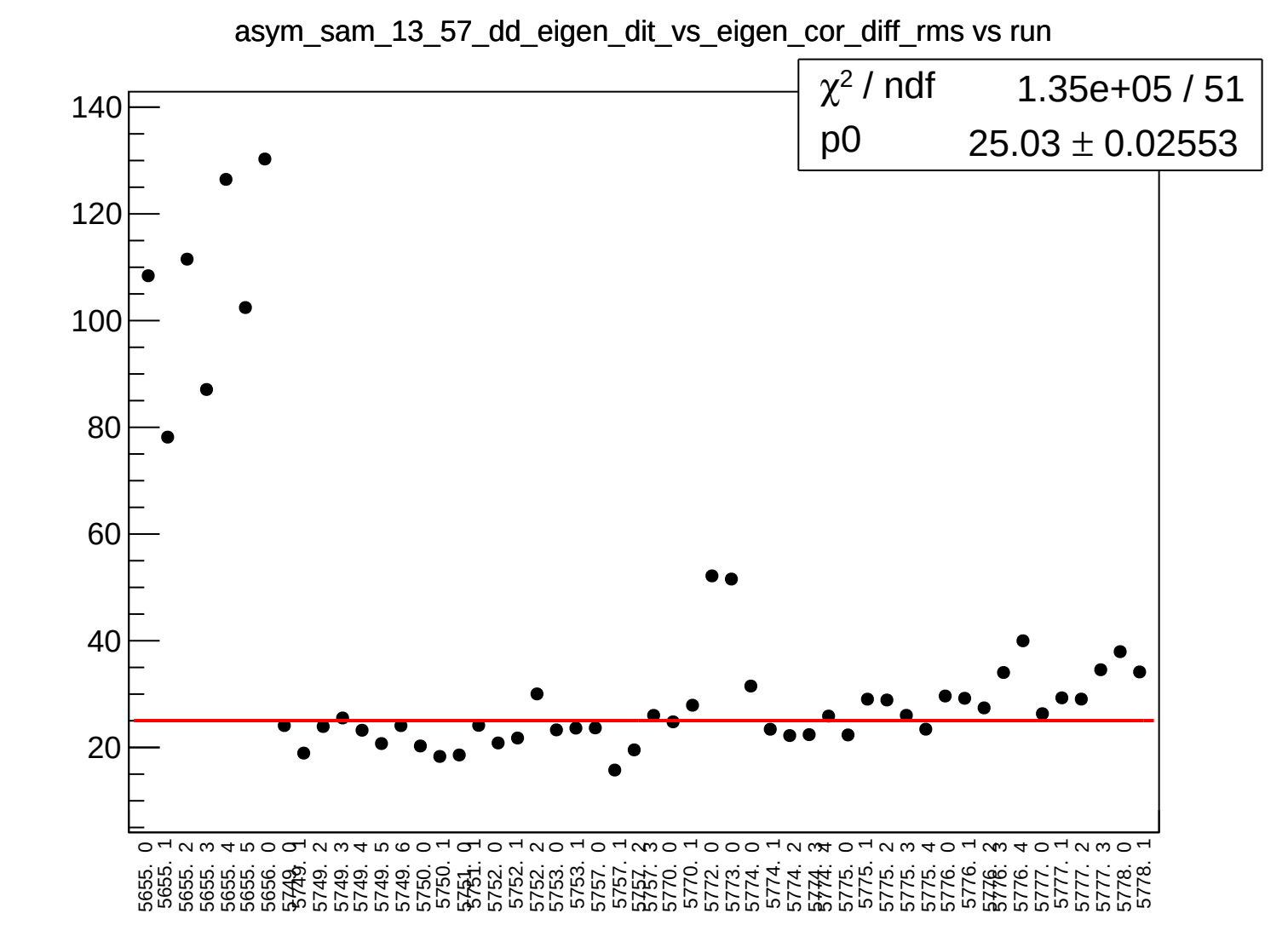

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 46.1 / 51
p0 8.882e−07 ± 1.37e−06
0.02
0
−0.02
−0.04
−0.06
−0.08
pull
Entries 52
Mean 25.02
Std Dev 20.09
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 52
Mean −0.03432
Std Dev 0.9409
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.401e+04 / 51
p0 0.0009984 ± 9.687e−07
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.45 / 51
p0 0.01298 ± 0.0361
pull
Entries 52
Mean 32.41
Std Dev 28.03
pull1D
Entries 52
Mean 0.0289
Std Dev 0.9648


asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.35e+05 / 51
p0 25.03 ± 0.02553
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.45 / 51
p0 0.01298 ± 0.0361
pull
Entries 52
Mean 32.41
Std Dev 28.03
pull1D
Entries 52
Mean 0.0289
Std Dev 0.9648


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.35e+05 / 51
p0 25.03 ± 0.02553
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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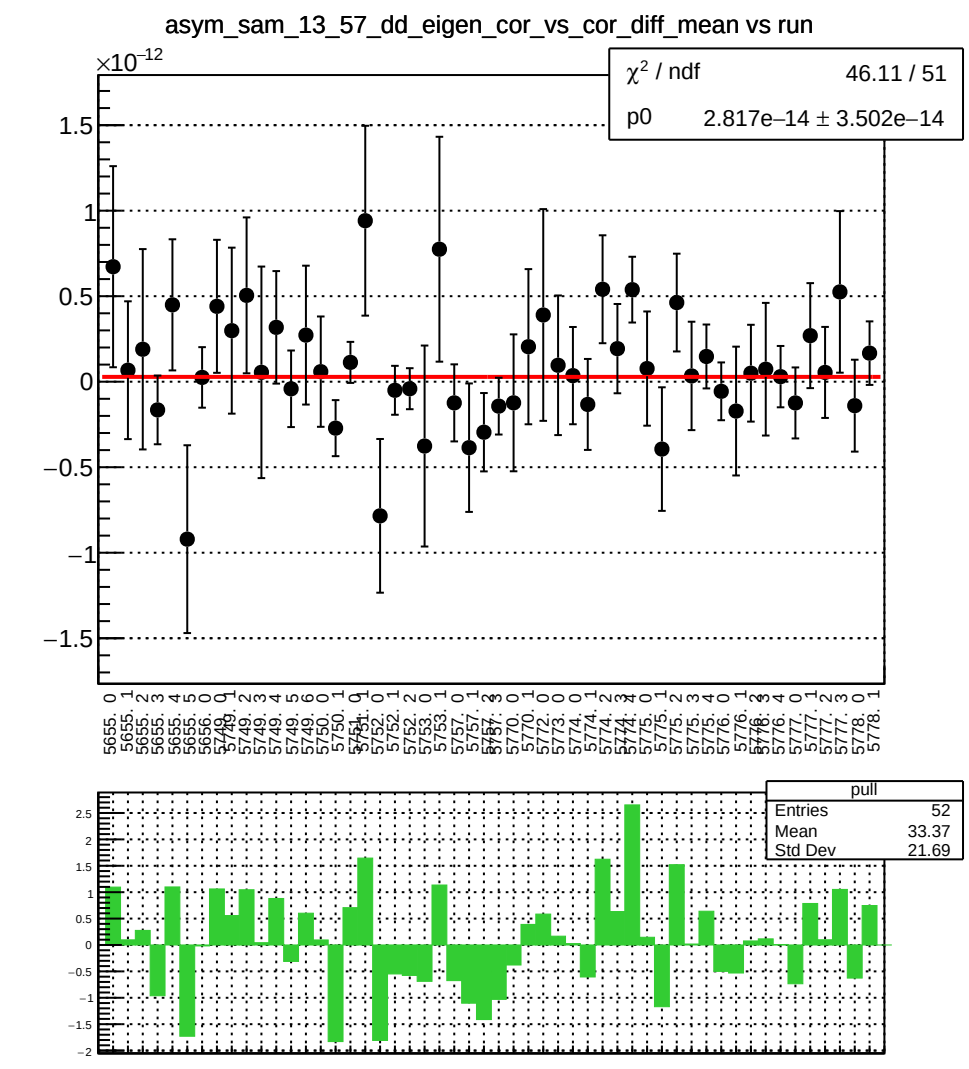
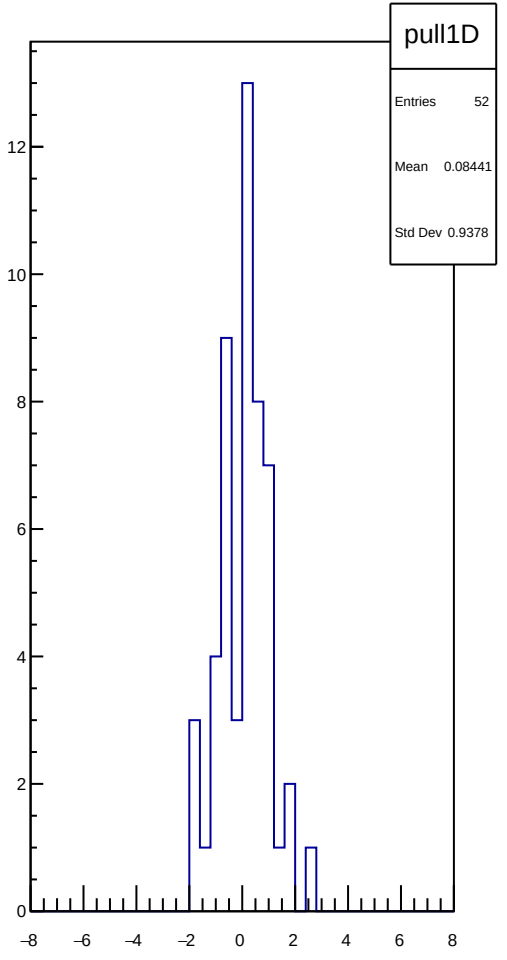
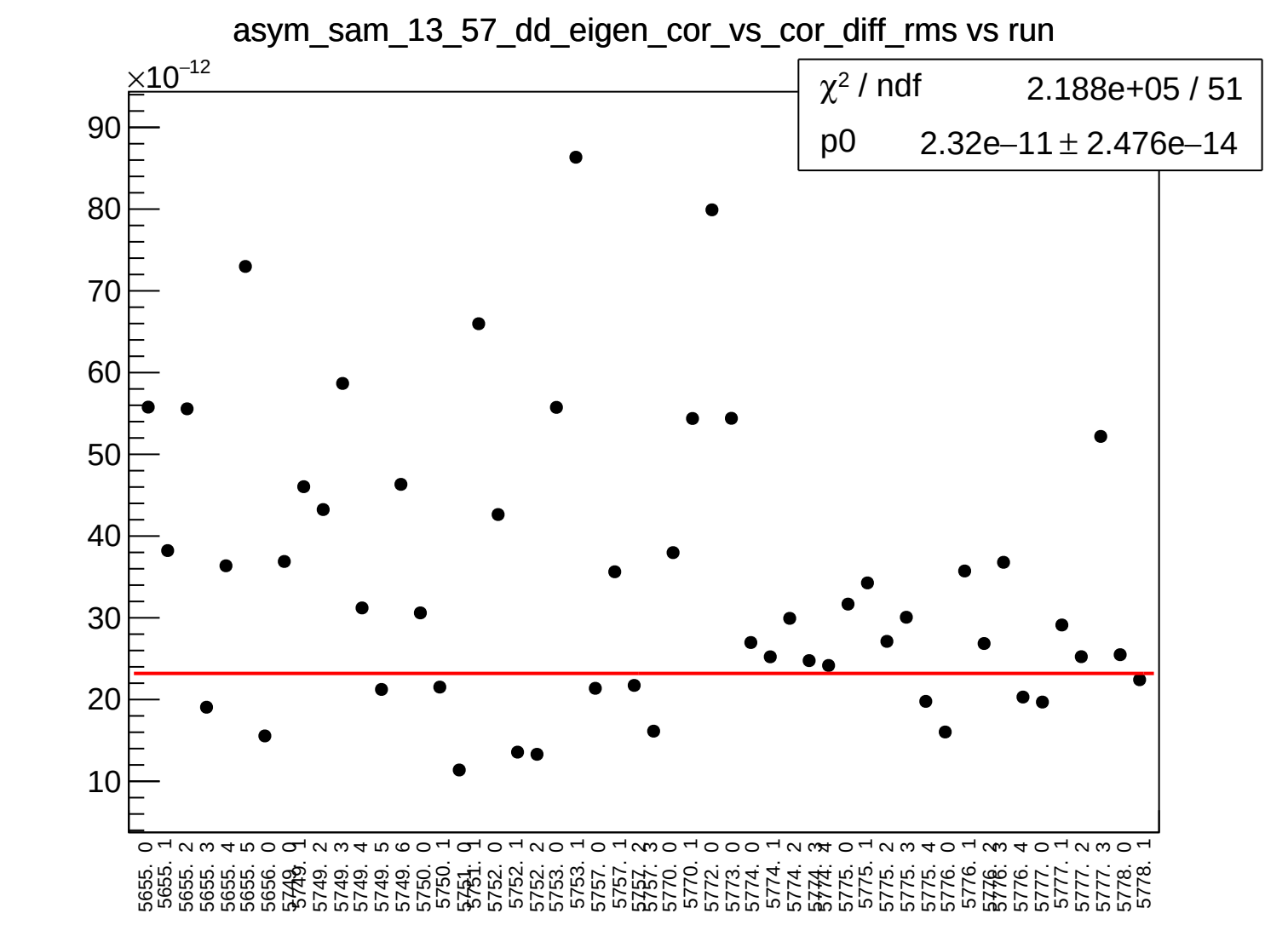
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 46.11 / 51
p0 2.817e−14 ± 3.502e−14
pull
Entries 52
Mean 33.37
Std Dev 21.69


pull1D
Entries 52
Mean 0.08441
Std Dev 0.9378


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.188e+05 / 51
p0 2.32e−11 ± 2.476e−14
90
80
70
60
50
40
30
20
10
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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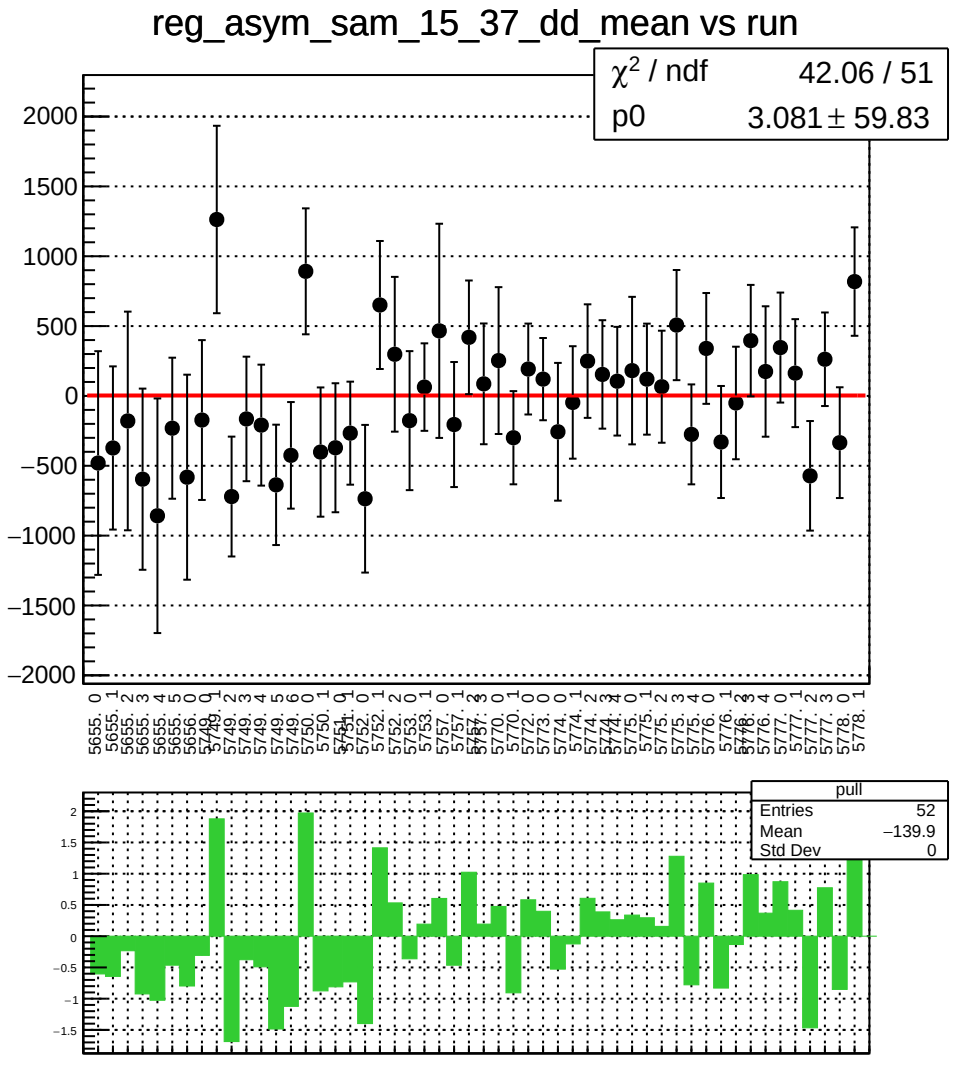
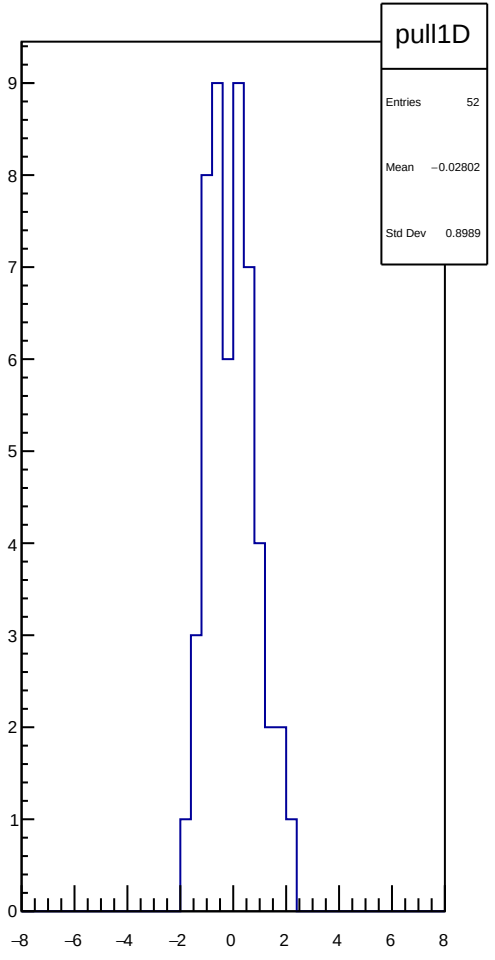
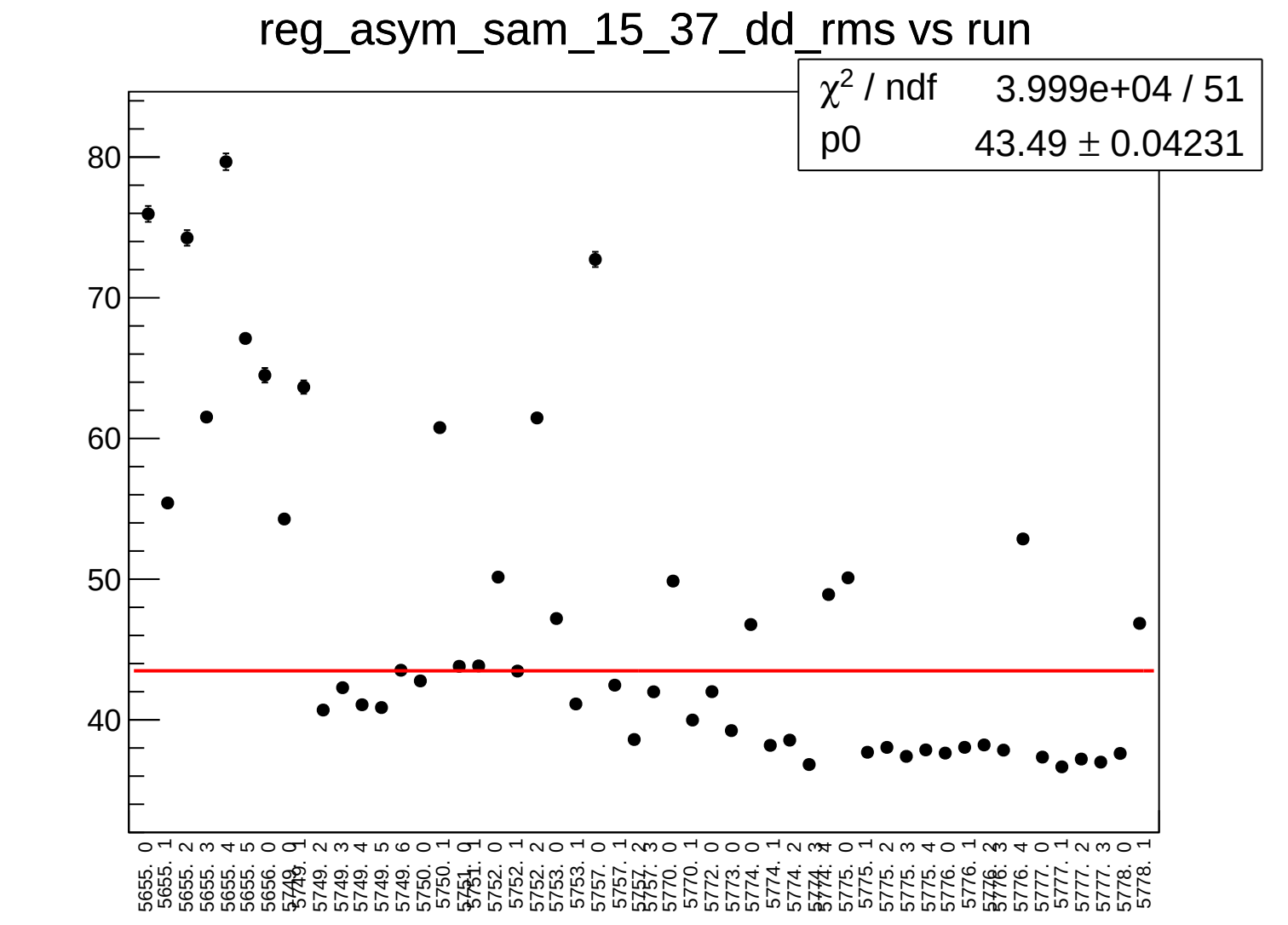
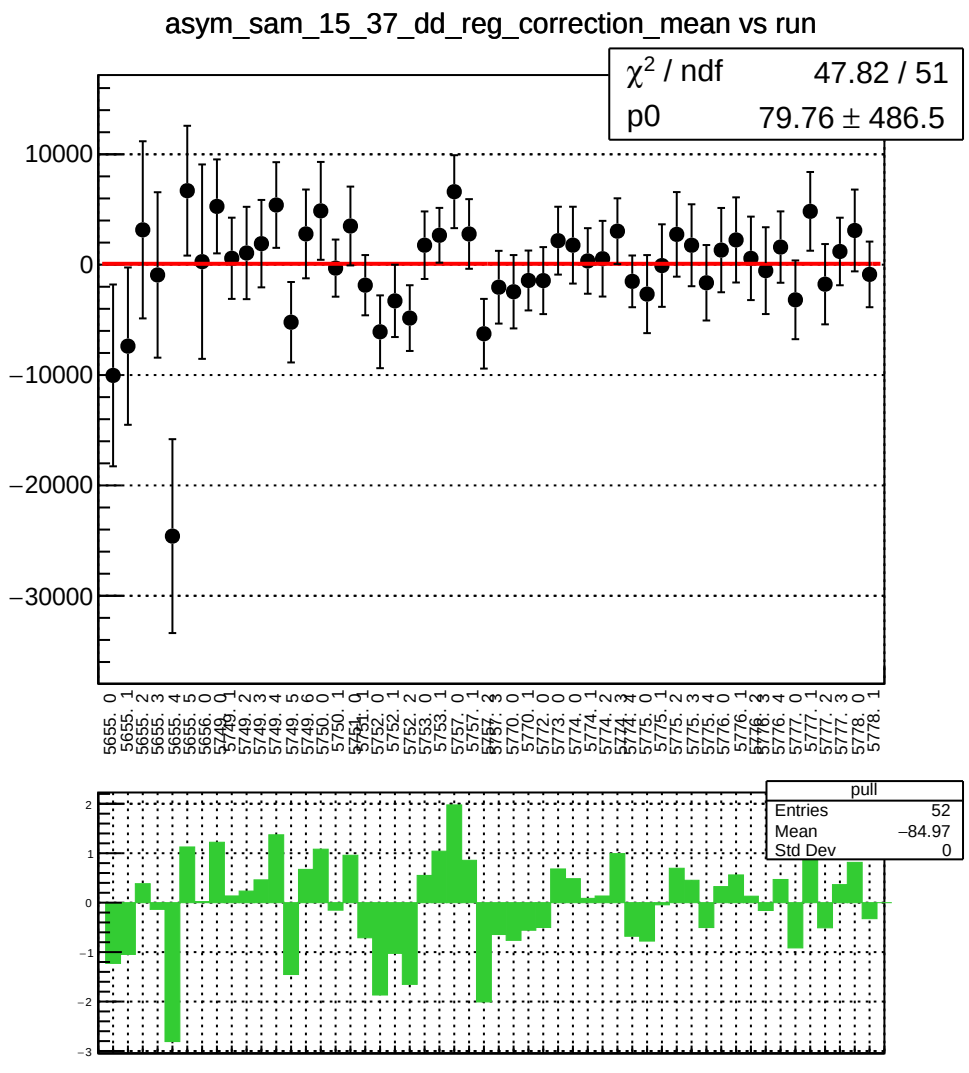
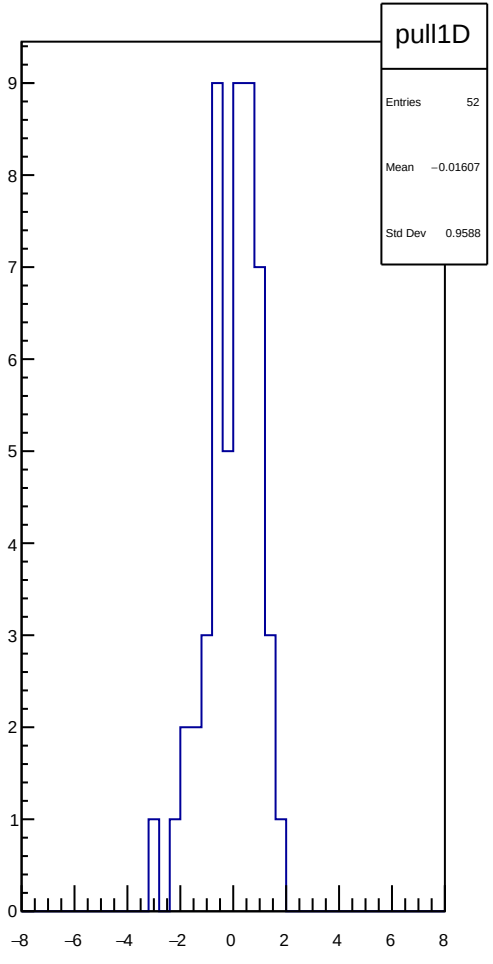
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

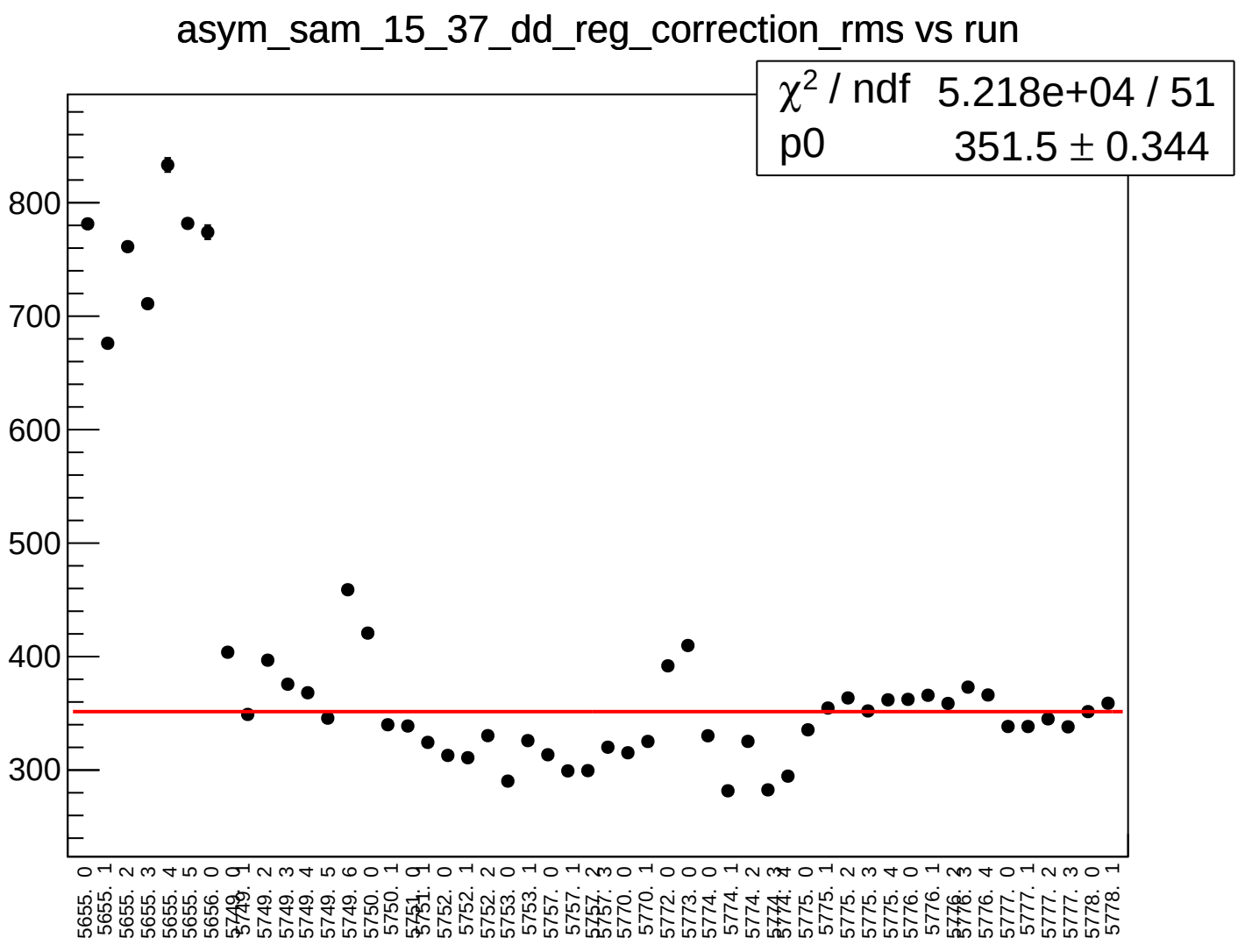

reg_asym_sam_15_37_dd_mean vs run
χ² / ndf 42.06 / 51
p0 3.081 ± 59.83
pull
Entries 52
Mean −139.9
Std Dev 0

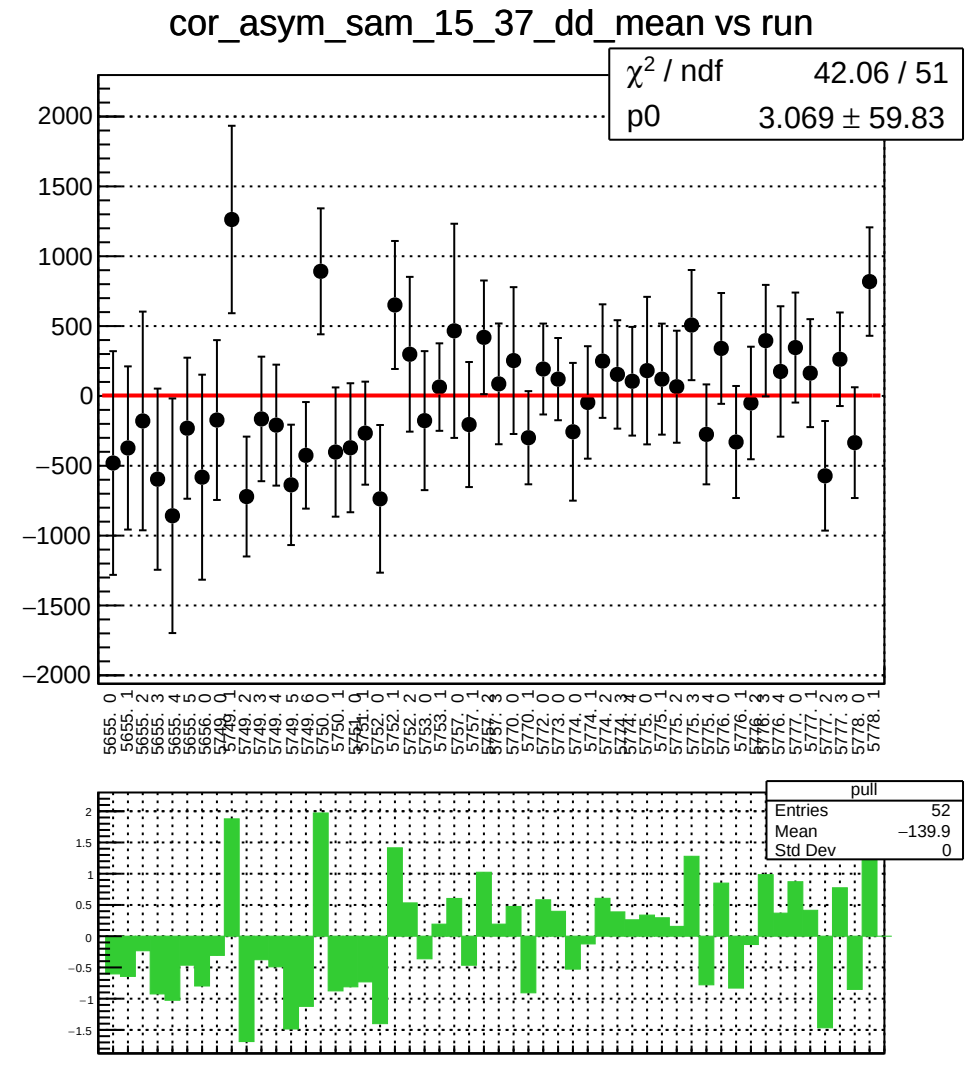

pull1D
Entries 52
Mean −0.02802
Std Dev 0.8989

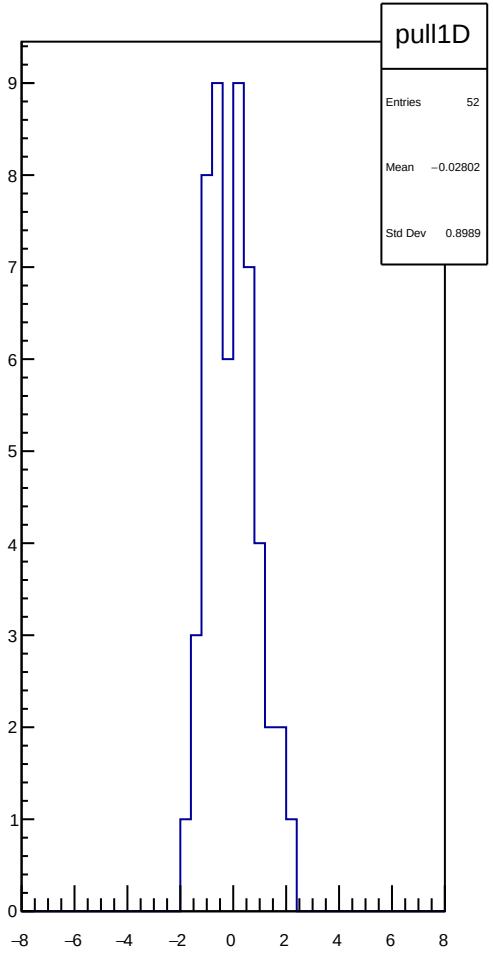

reg_asym_sam_15_37_dd_rms vs run
χ² / ndf 3.999e+04 / 51
p0 43.49 ± 0.04231
80
70
60
50
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

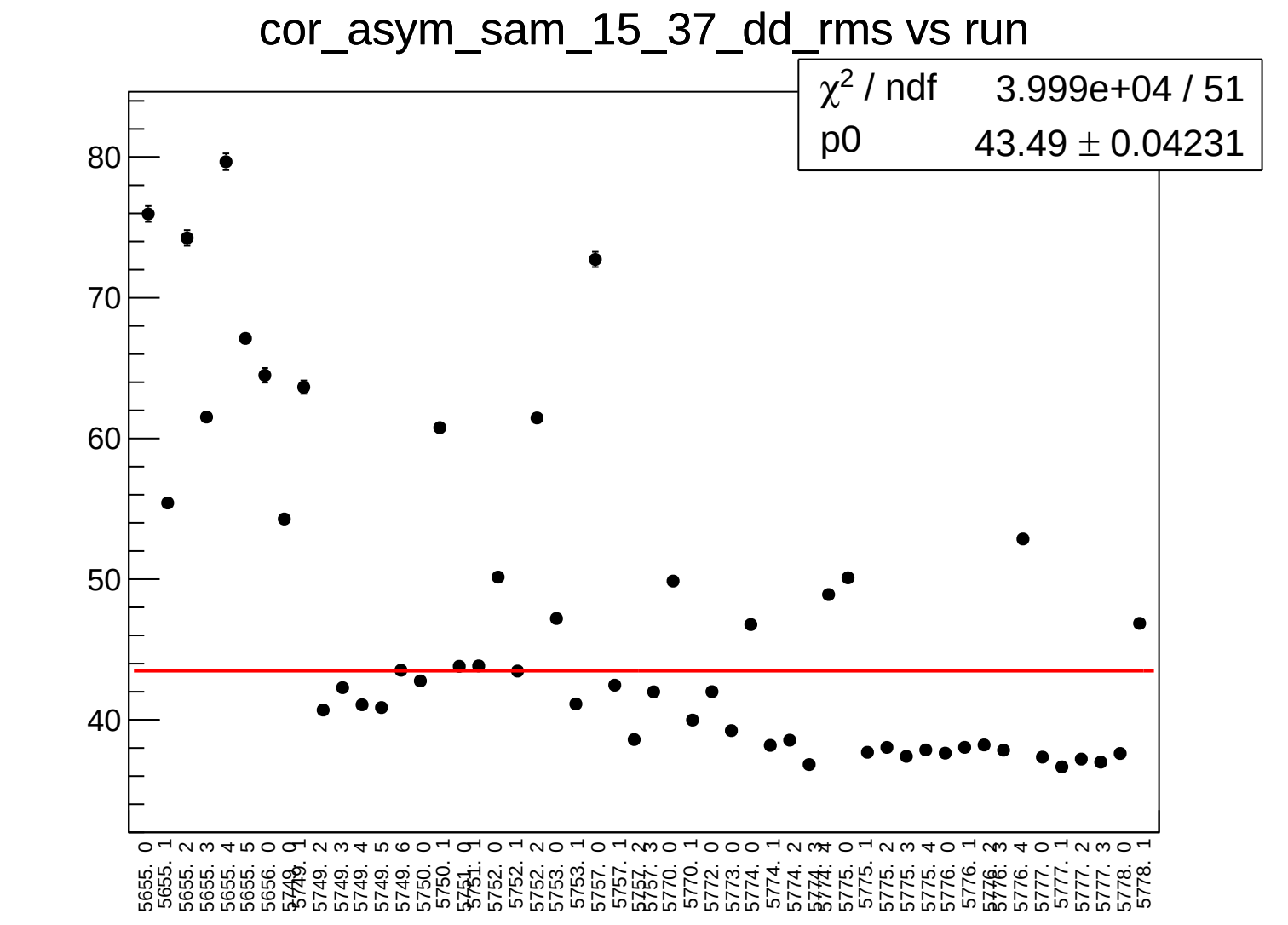

asym_sam_15_37_dd_reg_correction_mean vs run
χ² / ndf 47.82 / 51
p0 79.76 ± 486.5
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean −84.97
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.01607
Std Dev 0.9588
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_37_dd_reg_correction_rms vs run
χ² / ndf 5.218e+04 / 51
p0 351.5 ± 0.344
800
700
600
500
400
300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 42.06 / 51
p0 3.069 ± 59.83
pull
Entries 52
Mean −139.9
Std Dev 0


pull1D
Entries 52
Mean −0.02802
Std Dev 0.8989


cor_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 3.999e+04 / 51
p0 43.49 ± 0.04231
80
70
60
50
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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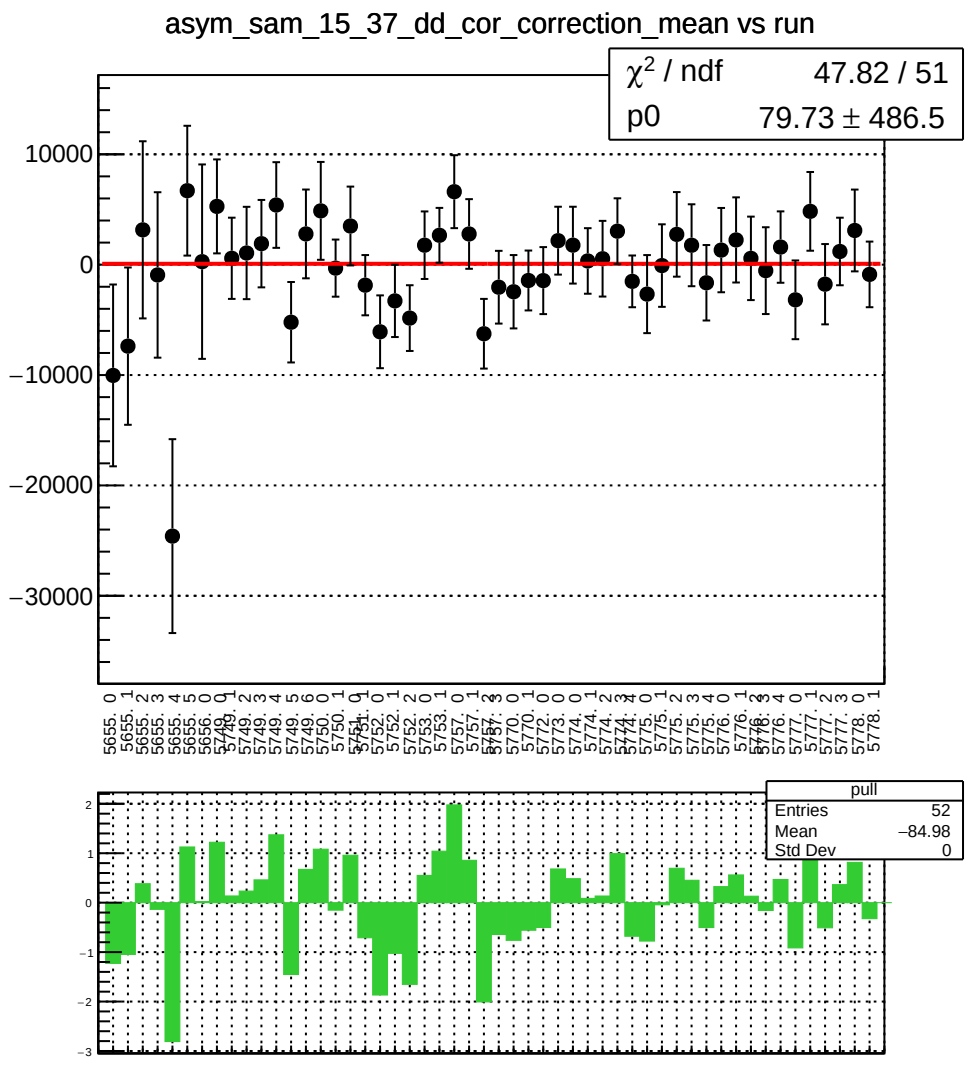
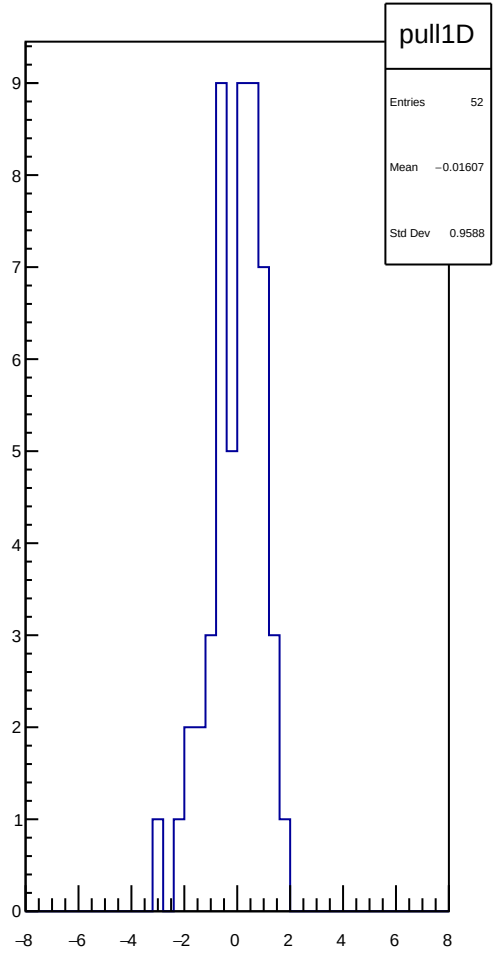
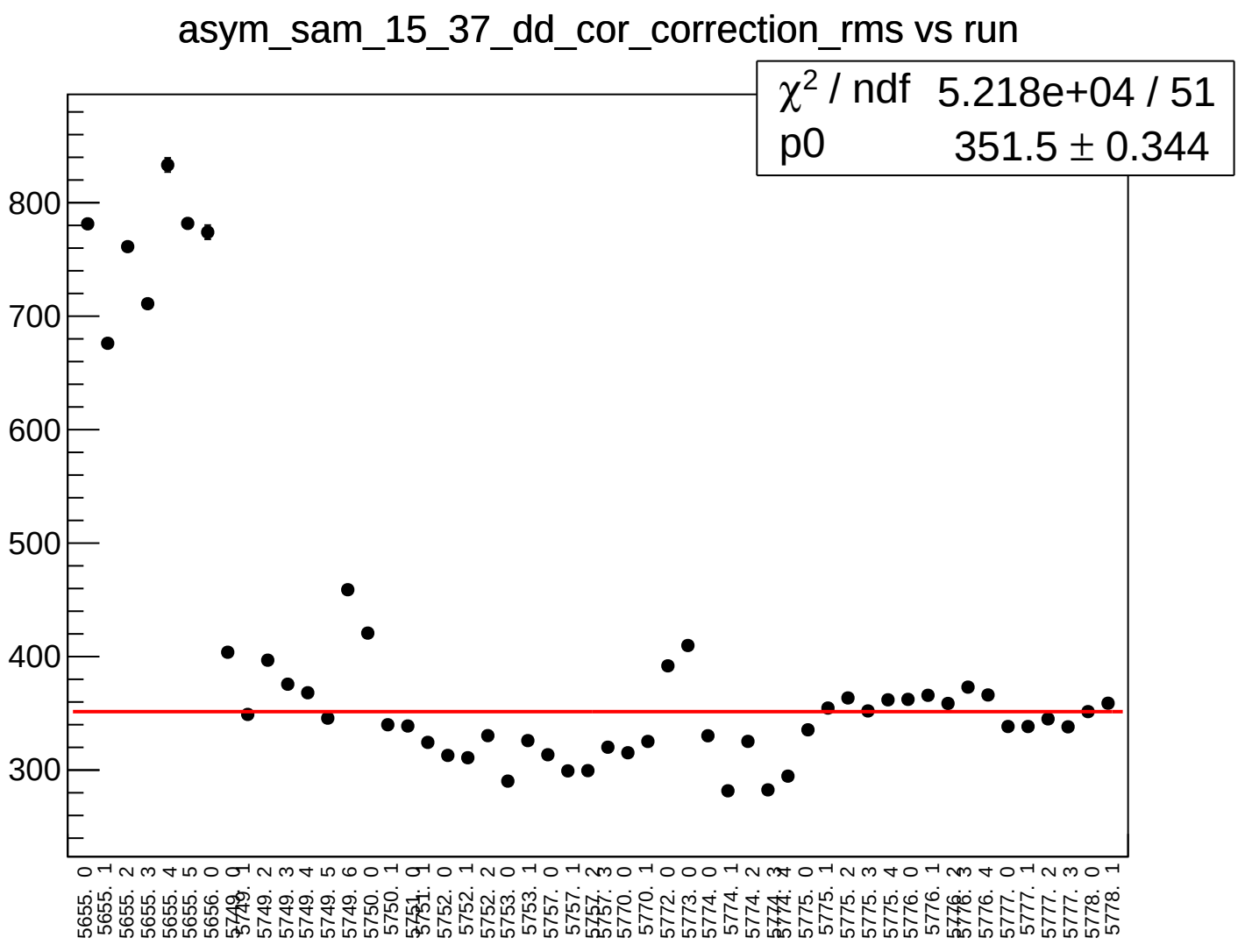
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_15_37_dd_cor_correction_mean vs run
χ² / ndf 47.82 / 51
p0 79.73 ± 486.5
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean −84.98
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.01607
Std Dev 0.9588
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_37_dd_cor_correction_rms vs run
χ² / ndf 5.218e+04 / 51
p0 351.5 ± 0.344
800
700
600
500
400
300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
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5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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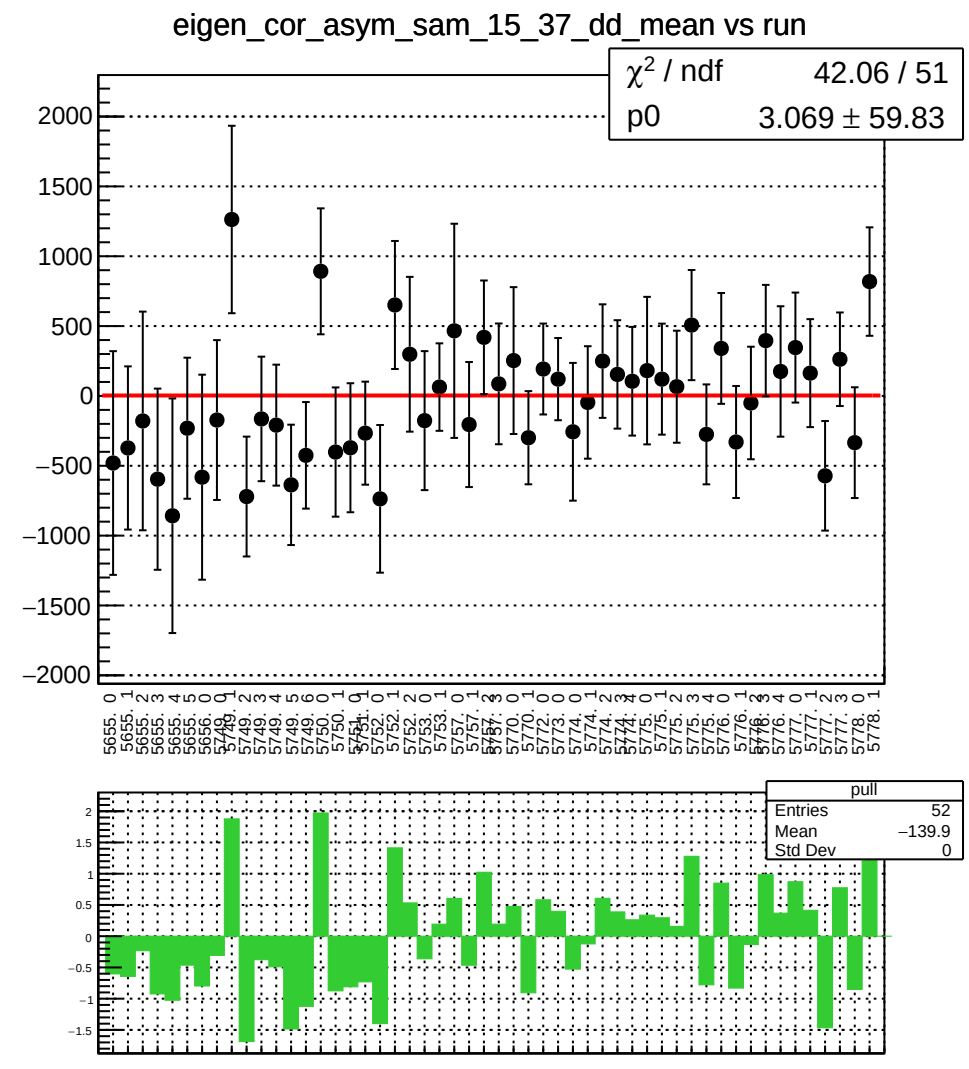
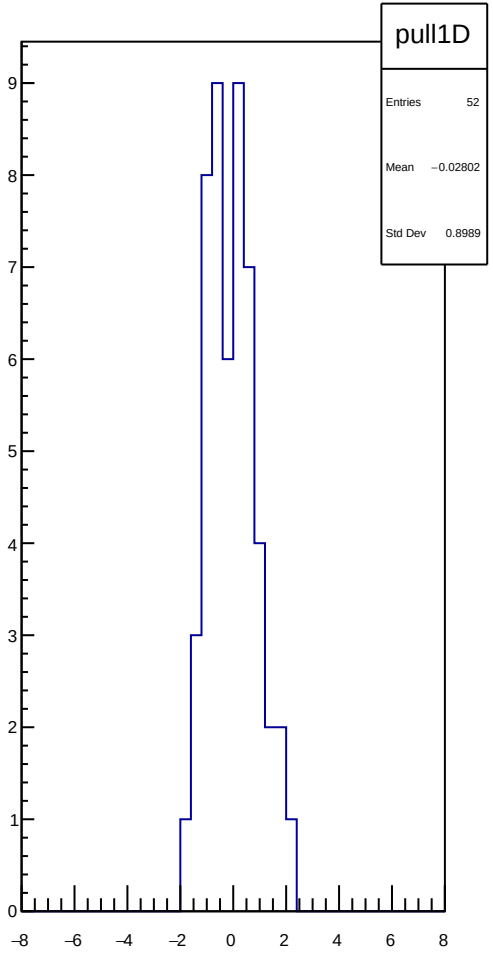
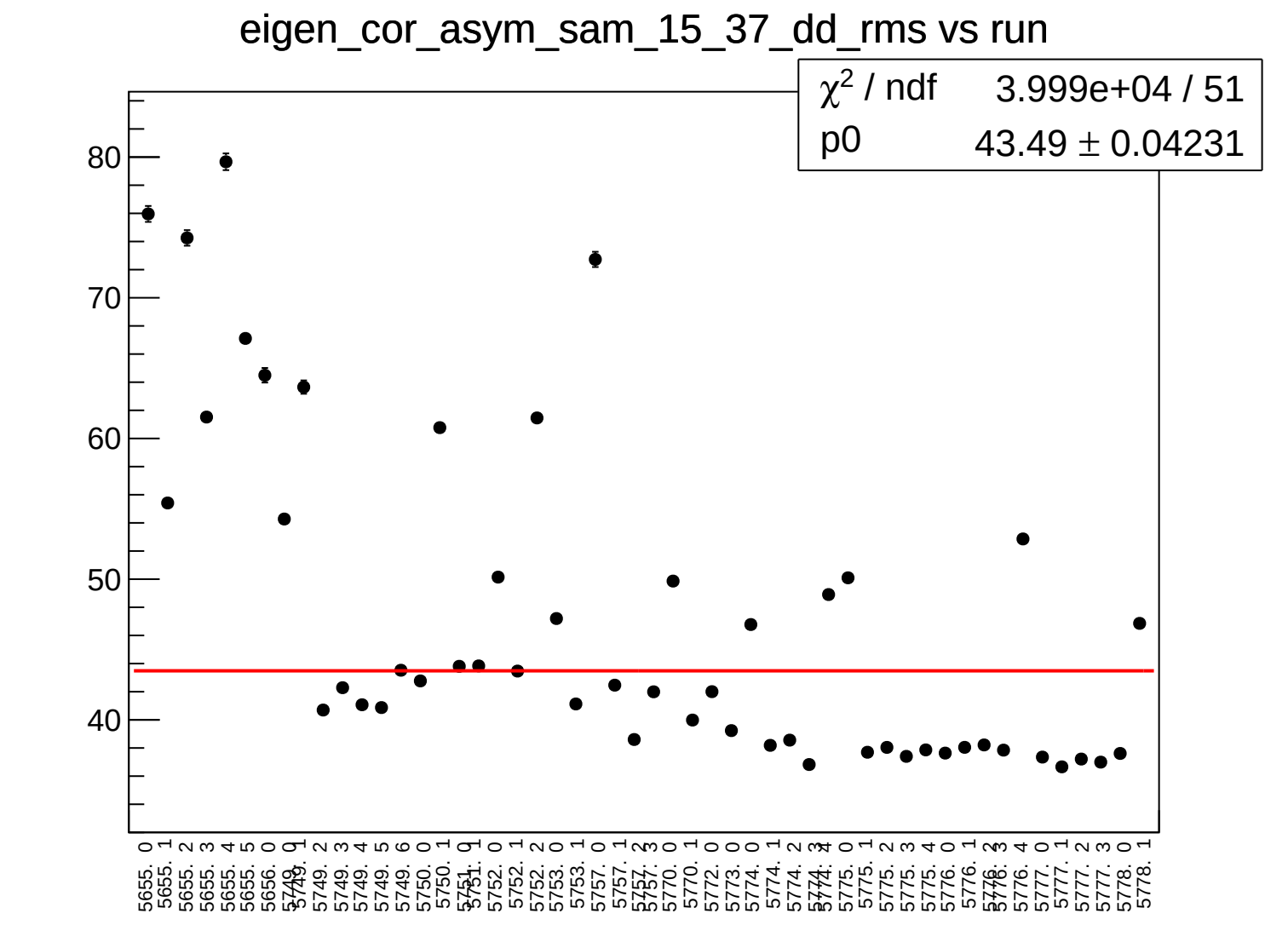
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 42.06 / 51
p0 3.069 ± 59.83
pull
Entries 52
Mean −139.9
Std Dev 0


pull1D
Entries 52
Mean −0.02802
Std Dev 0.8989


eigen_cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 3.999e+04 / 51
p0 43.49 ± 0.04231
80
70
60
50
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
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5749. 4
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5749. 6
5750. 0
5750. 1
5751. 1
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5753. 0
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5757. 0
5757. 1
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5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
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5777. 2
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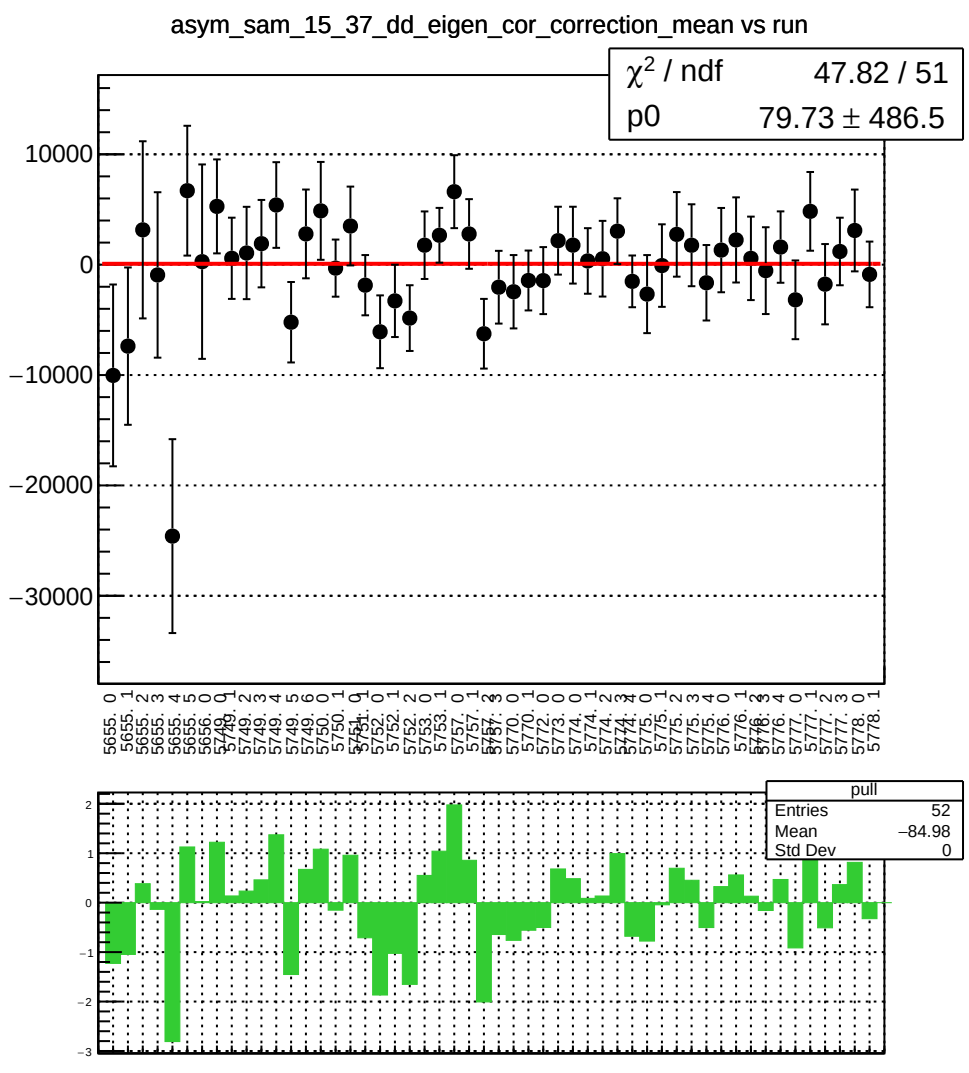
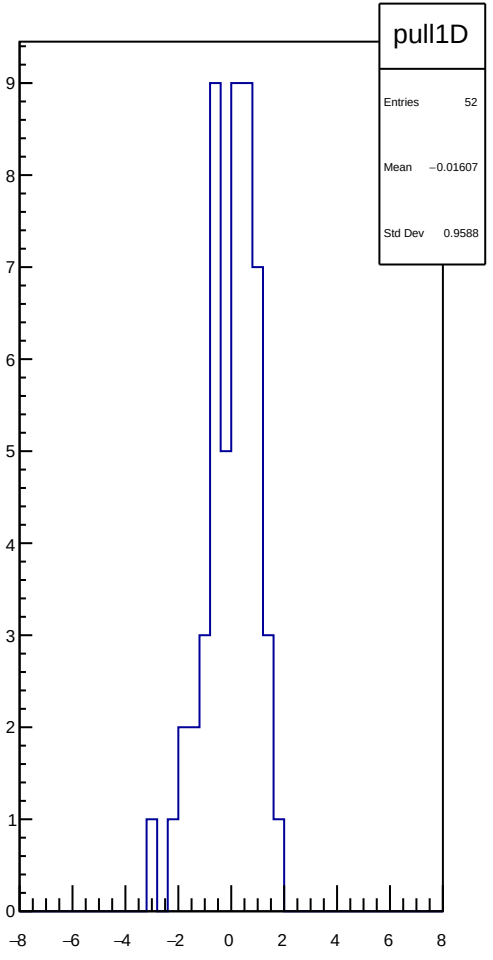
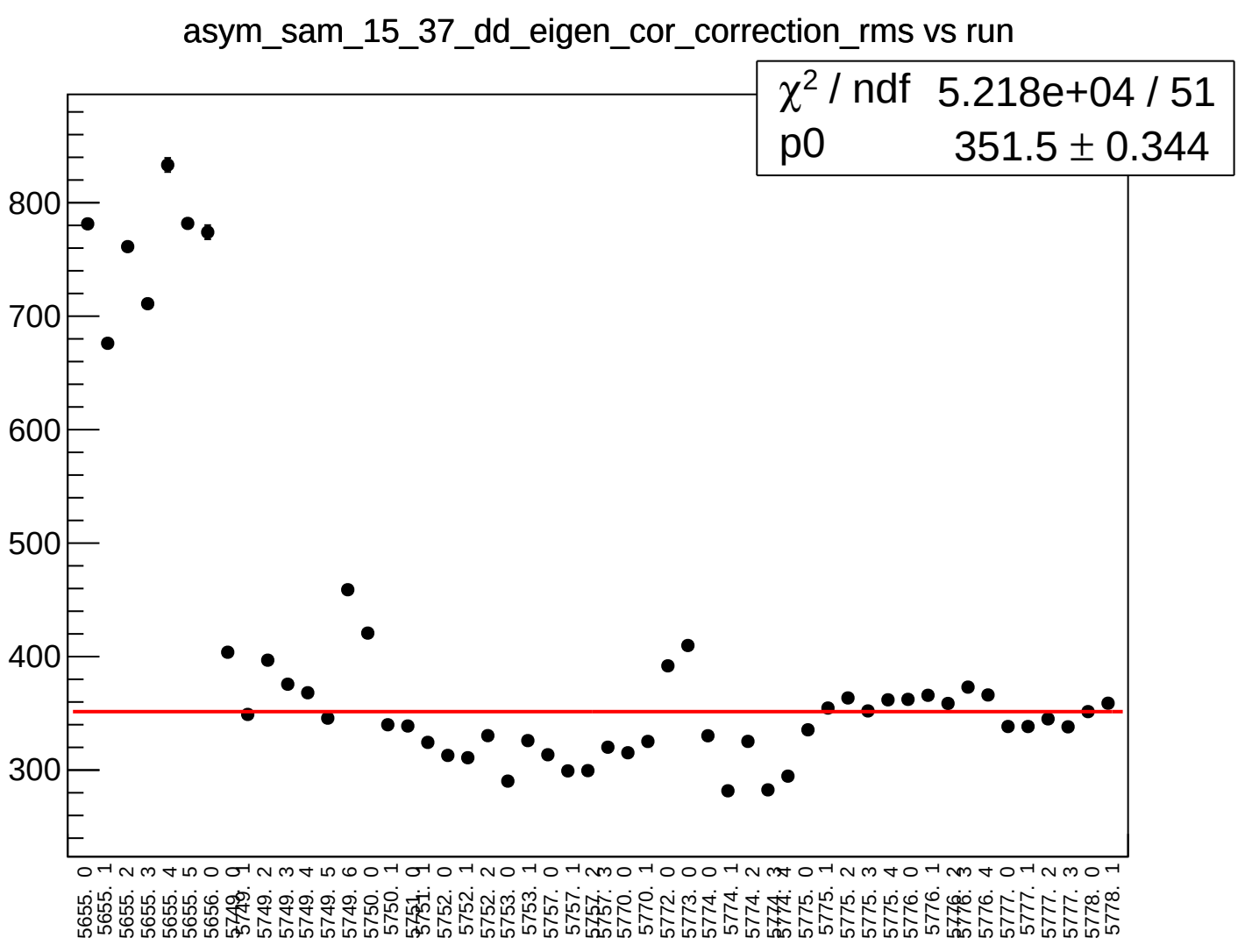
5778. 0
5778. 1


asym_sam_15_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 47.82 / 51
p0 79.73 ± 486.5
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean −84.98
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.01607
Std Dev 0.9588
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_cor_correction_rms vs run
χ² / ndf 5.218e+04 / 51
p0 351.5 ± 0.344
800
700
600
500
400
300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
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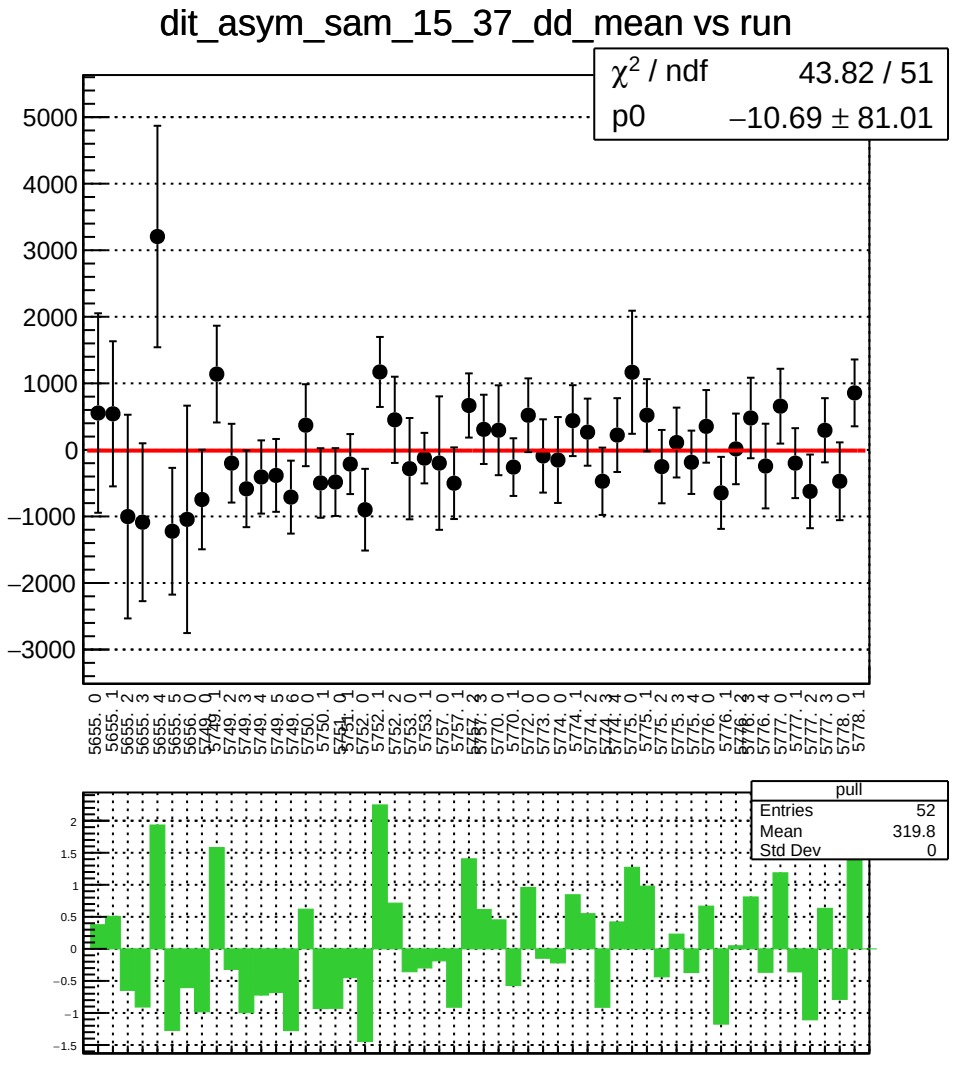
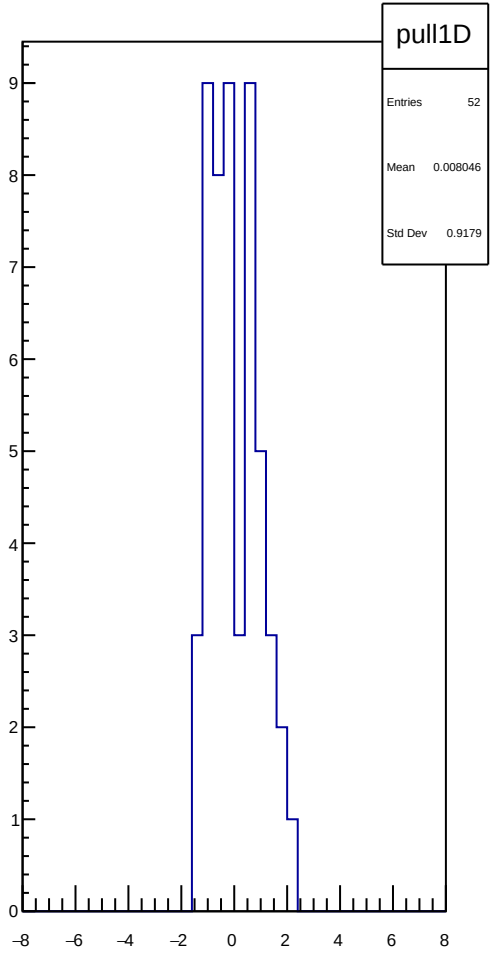
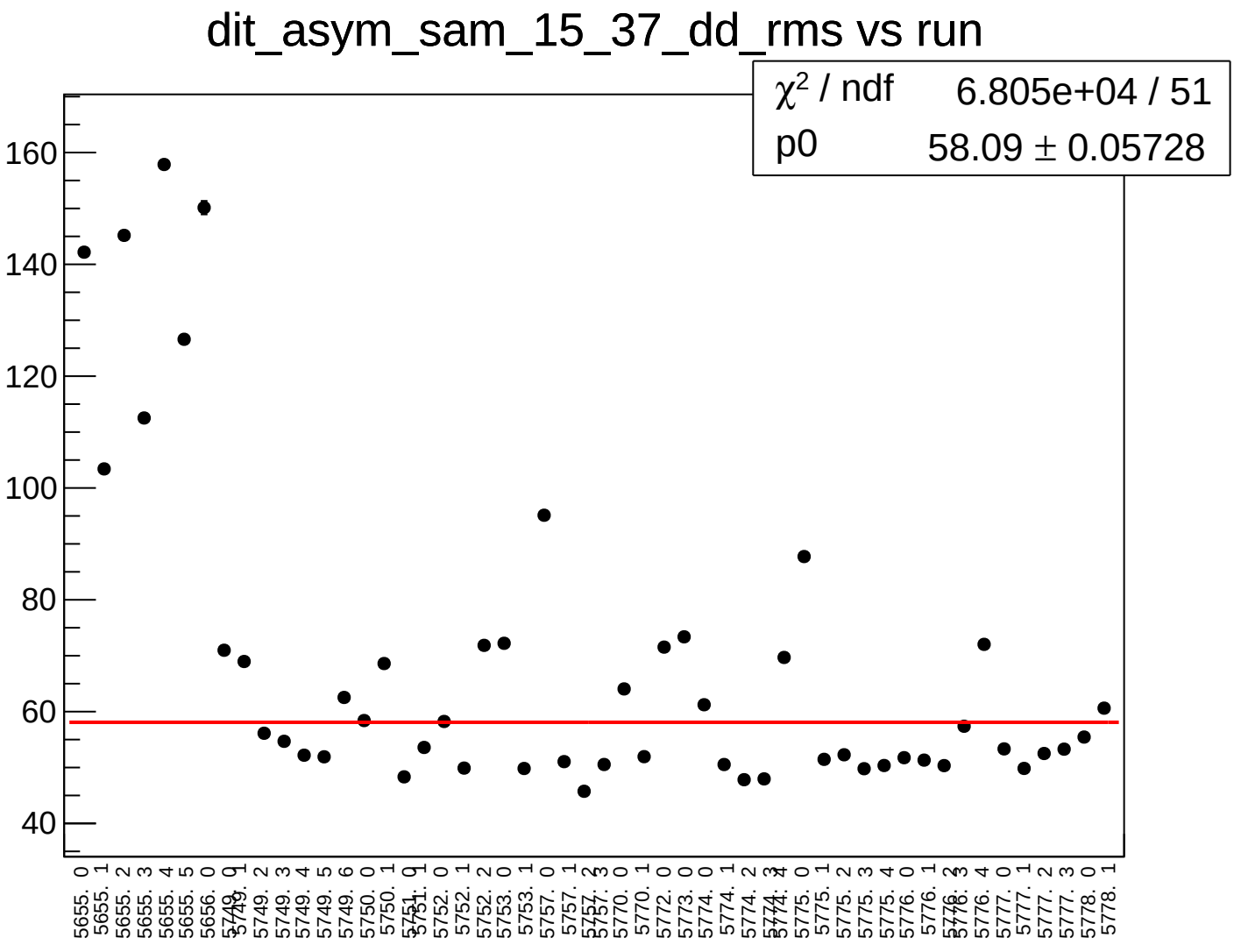
5778. 0
5778. 1


dit_asym_sam_15_37_dd_mean vs run
χ^2 / ndf 43.82 / 51
p0 −10.69 ± 81.01
pull
Entries 52
Mean 319.8
Std Dev 0


pull1D
Entries 52
Mean 0.008046
Std Dev 0.9179


dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 6.805e+04 / 51
p0 58.09 ± 0.05728
160
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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5776. 3
5776. 4
5777. 0
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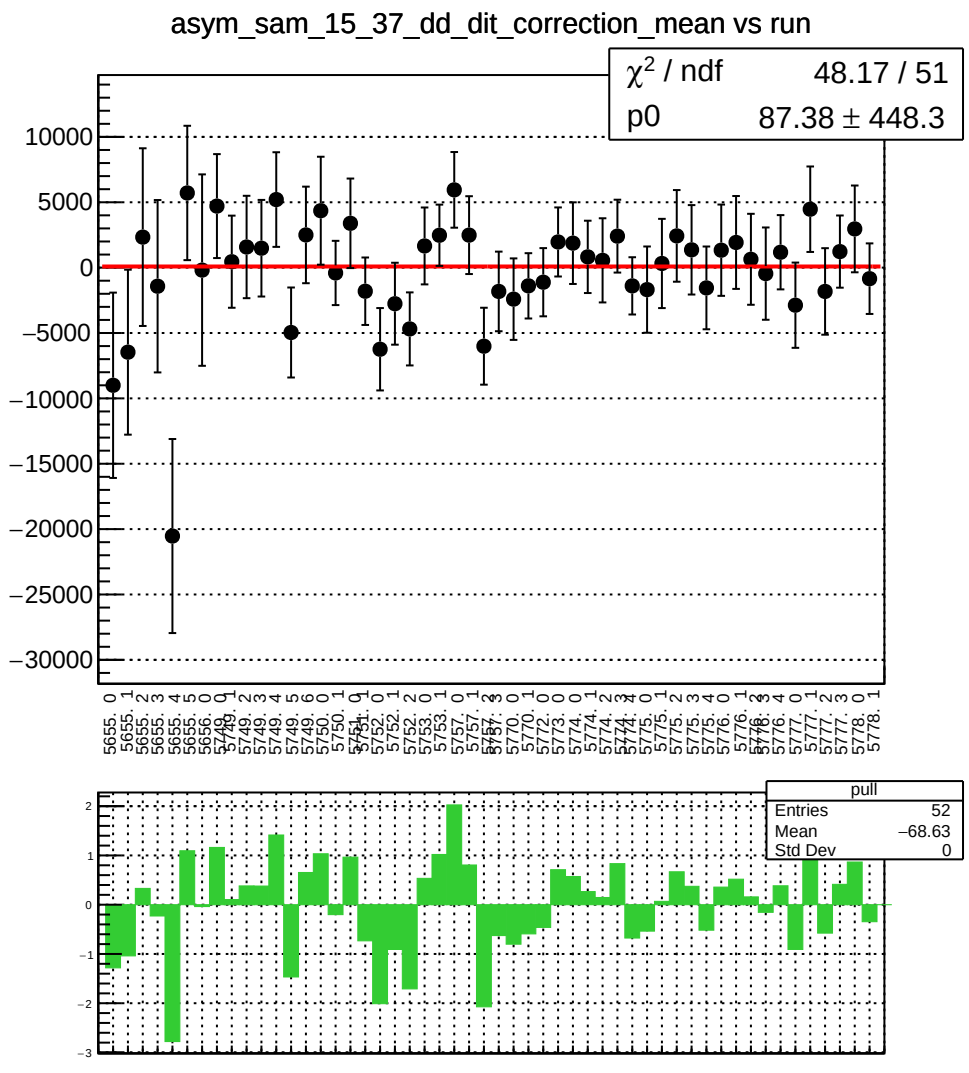
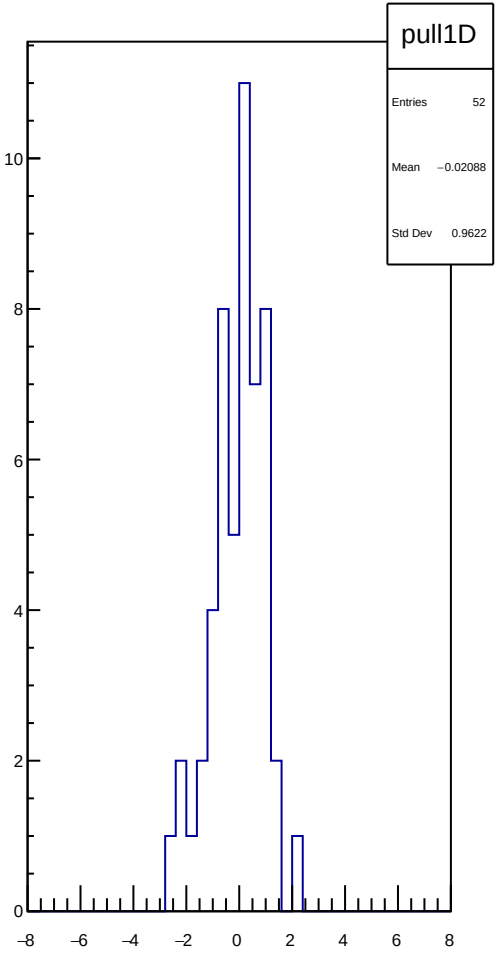
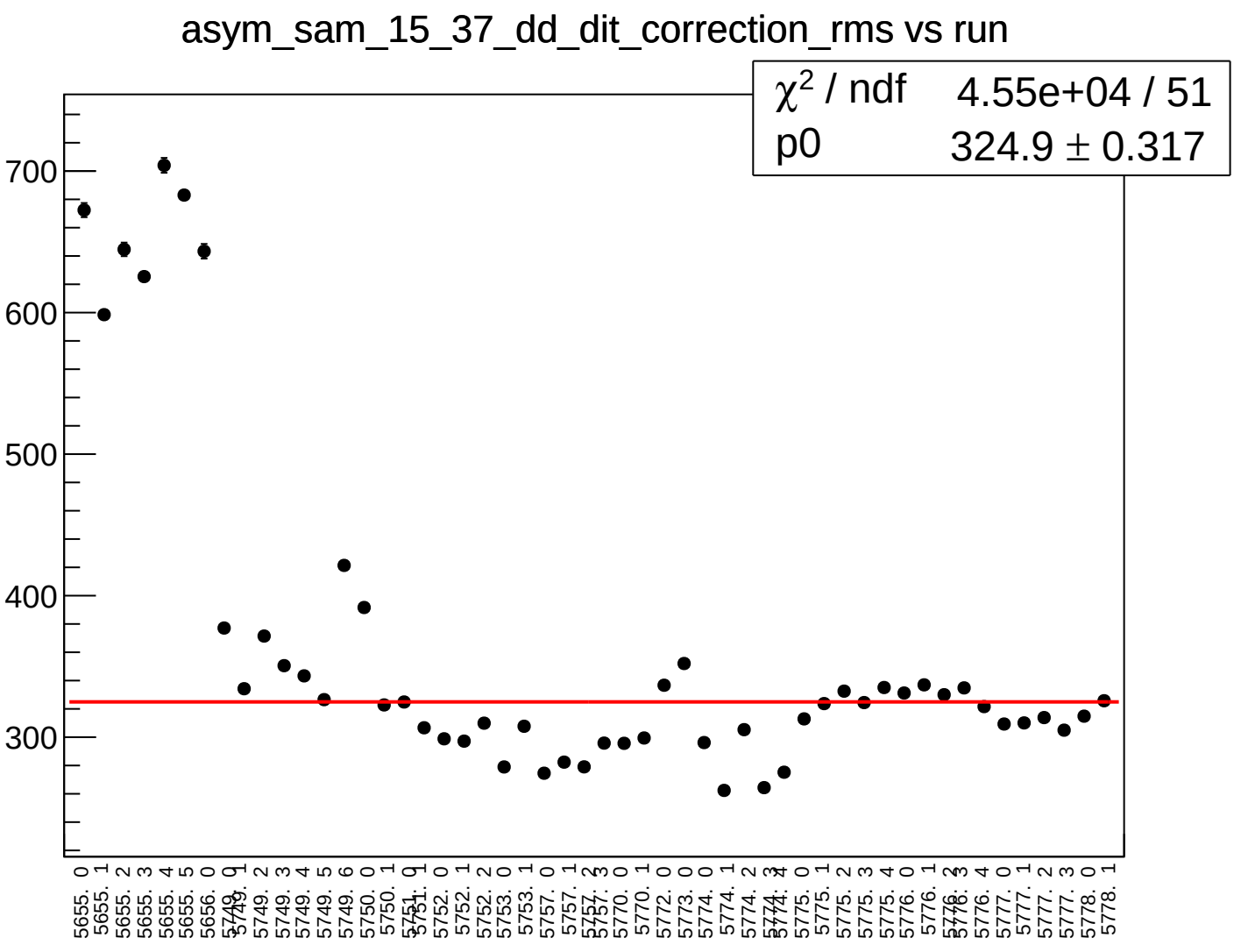
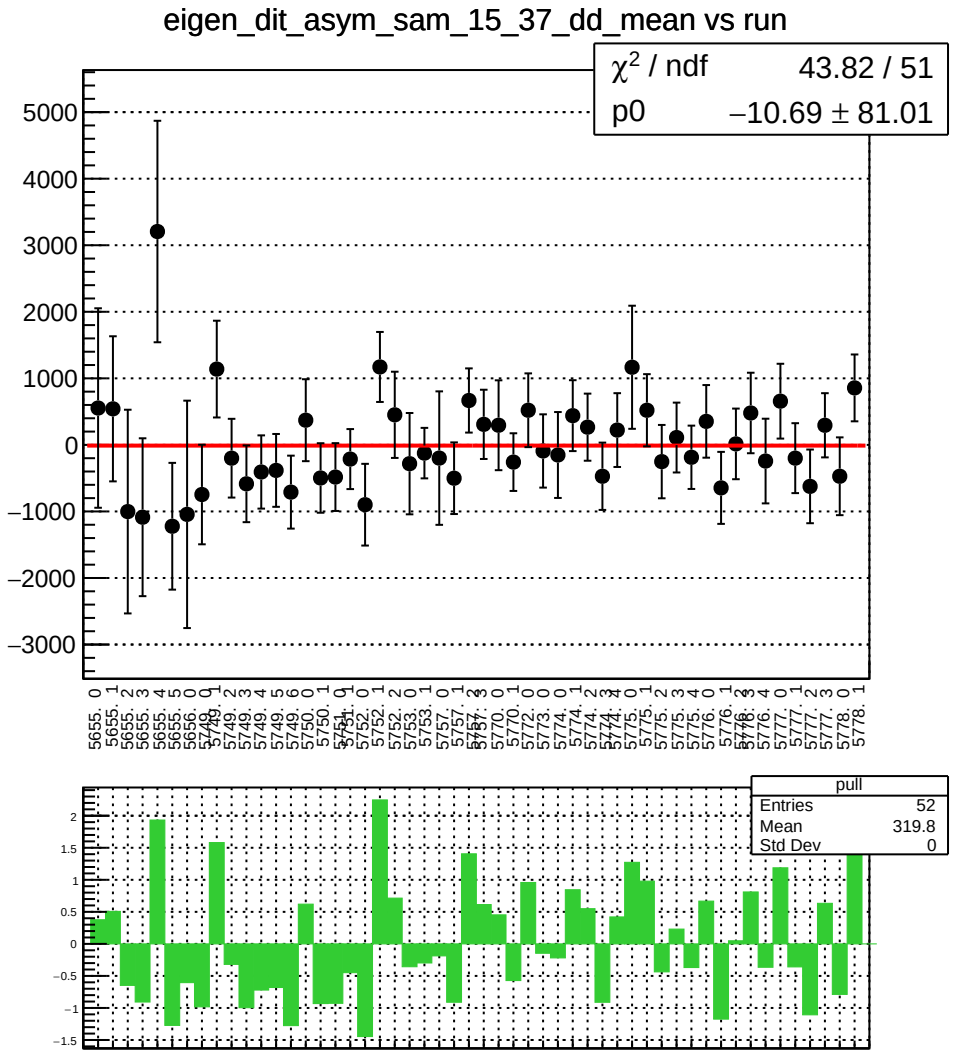
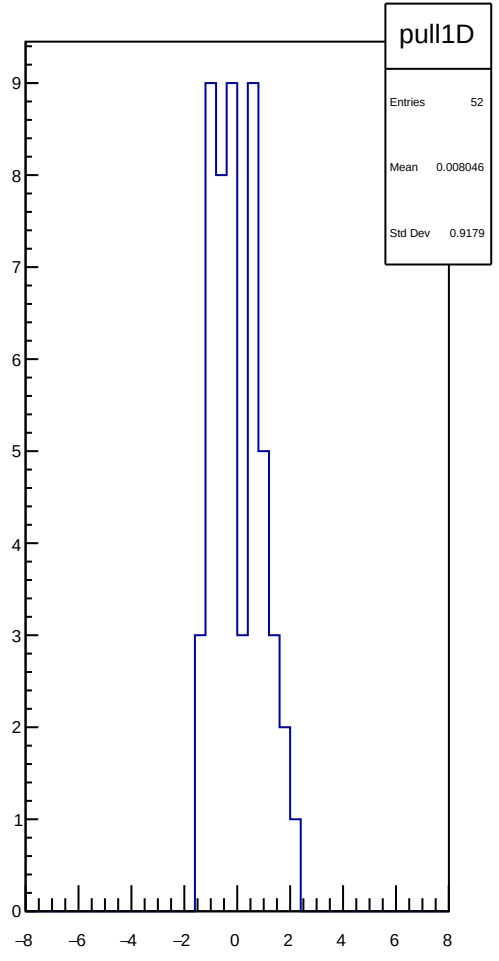
5777. 2
5777. 3
5778. 0
5778. 1

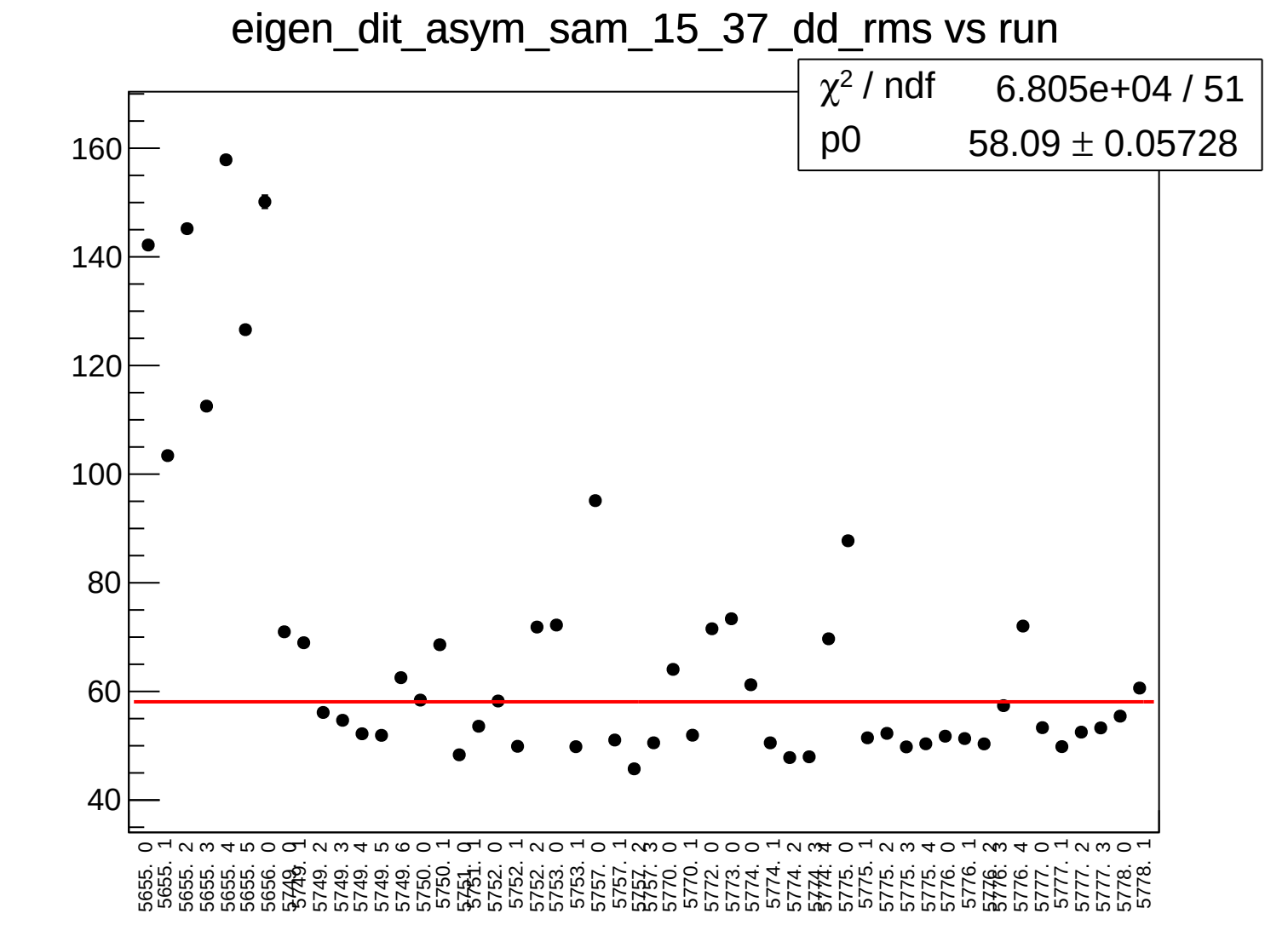

asym_sam_15_37_dd_dit_correction_mean vs run
χ² / ndf 48.17 / 51
p0 87.38 ± 448.3
pull
Entries 52
Mean −68.63
Std Dev 0


pull1D
Entries 52
Mean −0.02088
Std Dev 0.9622


asym_sam_15_37_dd_dit_correction_rms vs run
χ² / ndf 4.55e+04 / 51
p0 324.9 ± 0.317
700
600
500
400
300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 43.82 / 51
p0 −10.69 ± 81.01
pull
Entries 52
Mean 319.8
Std Dev 0


pull1D
Entries 52
Mean 0.008046
Std Dev 0.9179


eigen_dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 6.805e+04 / 51
p0 58.09 ± 0.05728
160
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
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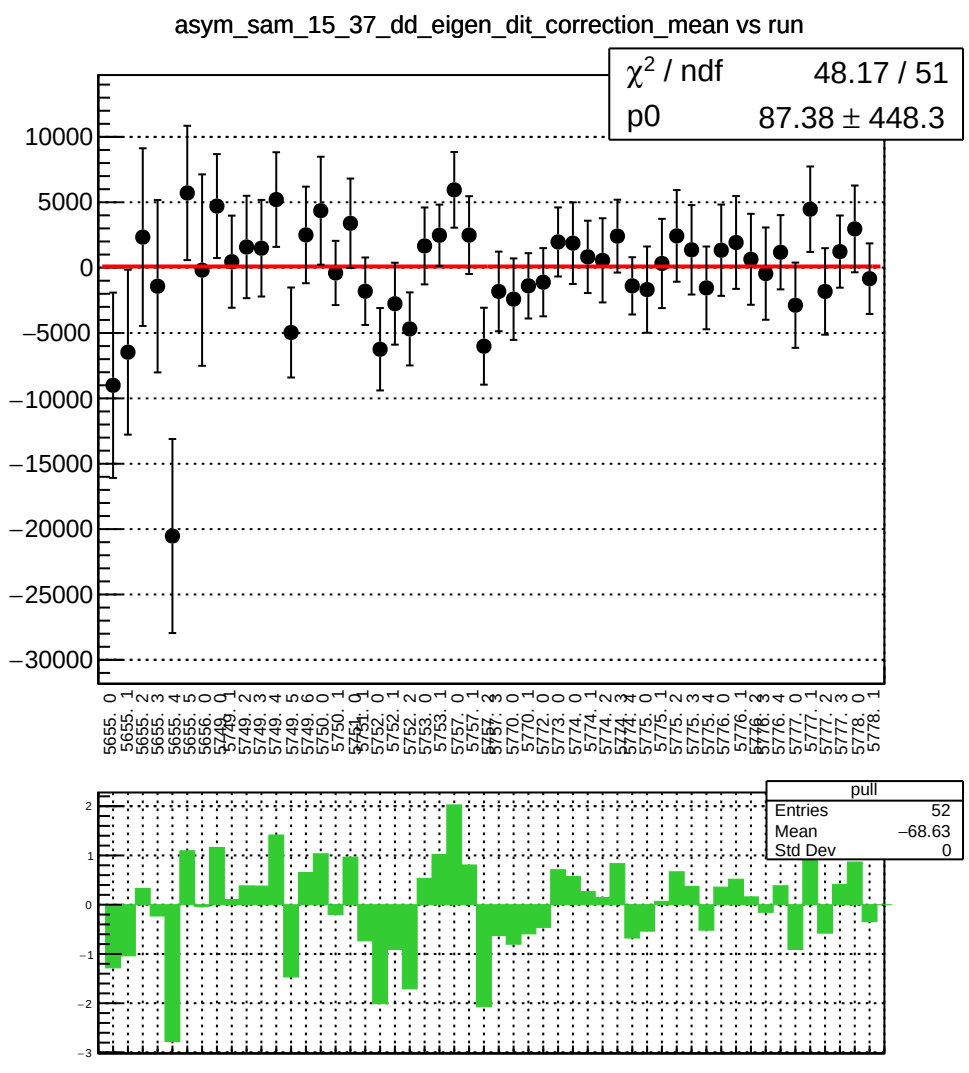
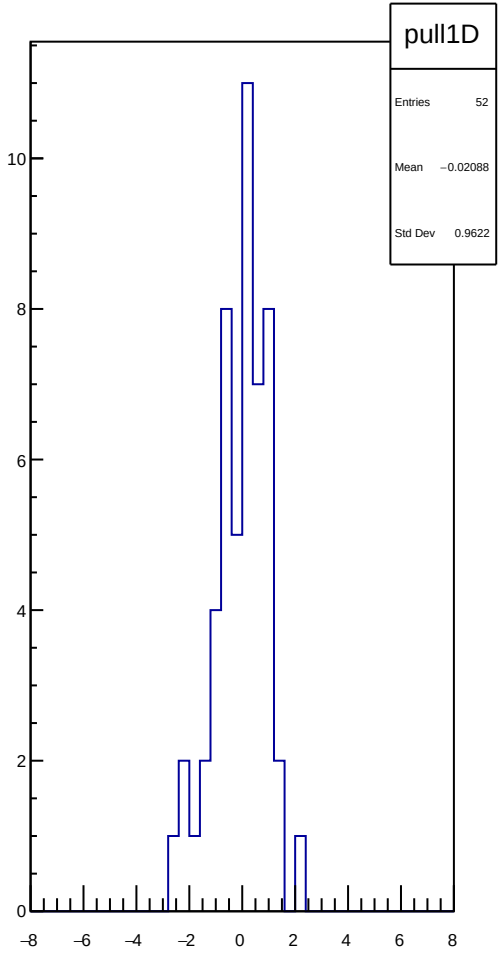
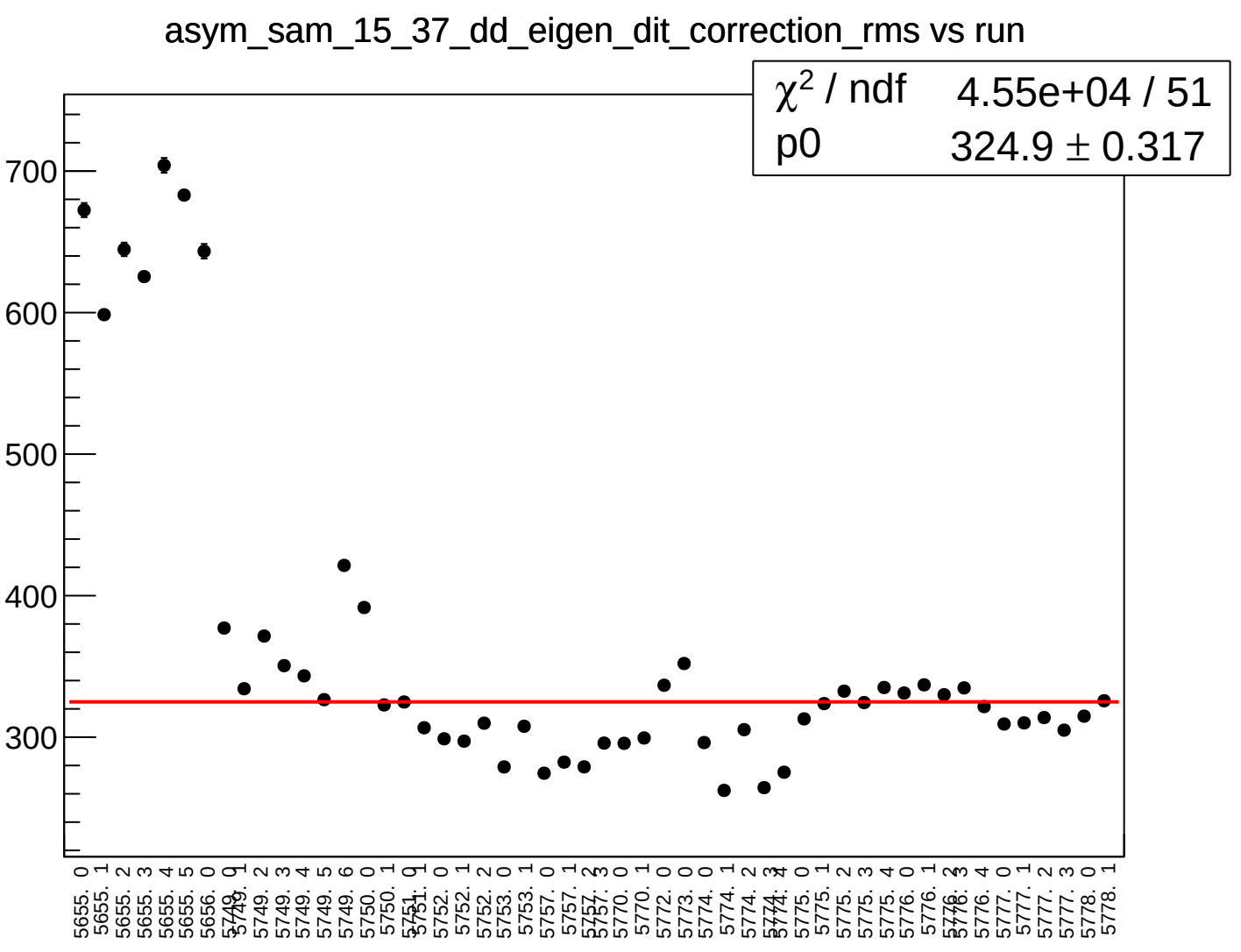
5778. 1


asym_sam_15_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 48.17 / 51
p0 87.38 ± 448.3
pull
Entries 52
Mean −68.63
Std Dev 0


pull1D
Entries 52
Mean −0.02088
Std Dev 0.9622


asym_sam_15_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 4.55e+04 / 51
p0 324.9 ± 0.317
700
600
500
400
300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
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5753. 1
5757. 0
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5757. 2
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5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
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5775. 2
5775. 3
5775. 4
5776. 0
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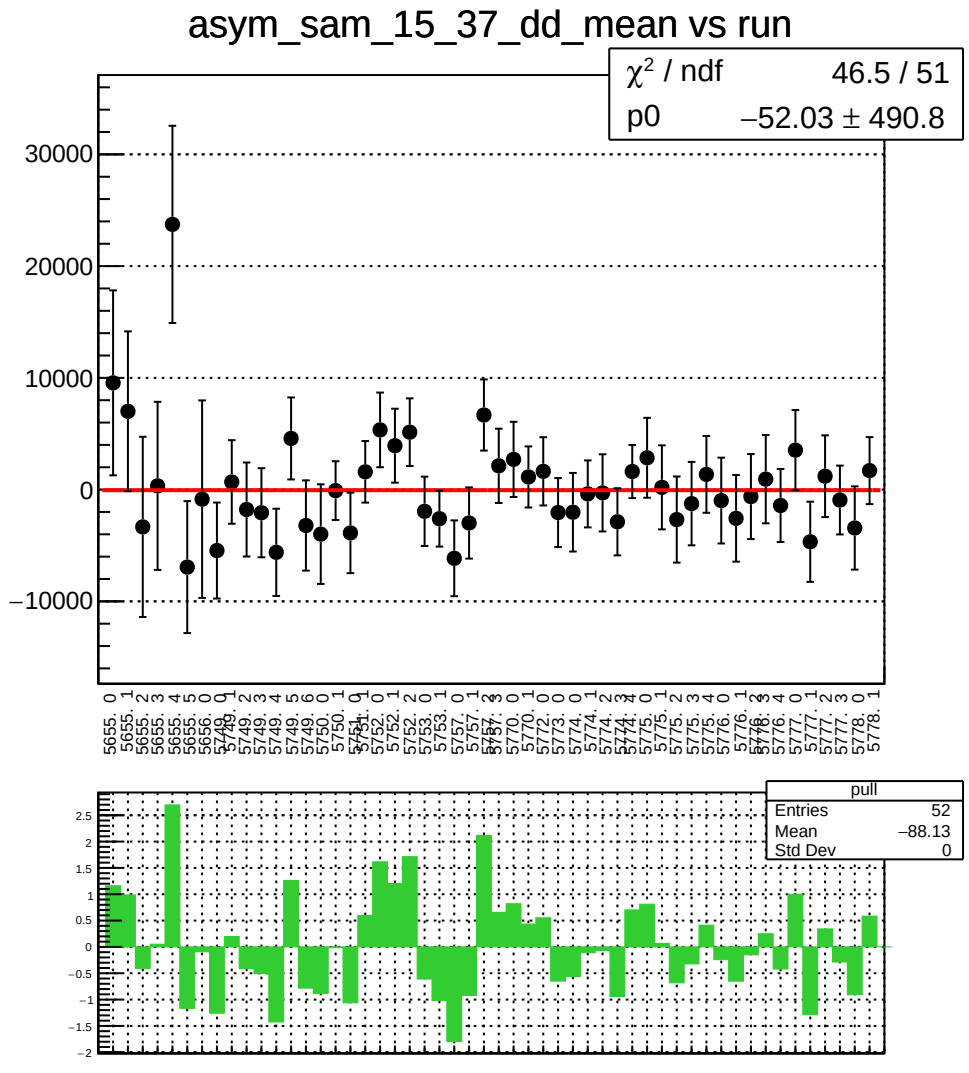
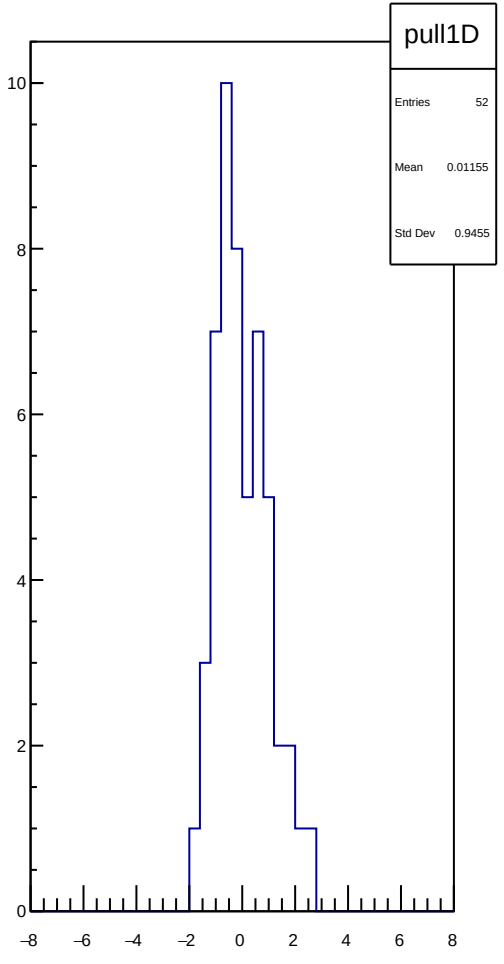
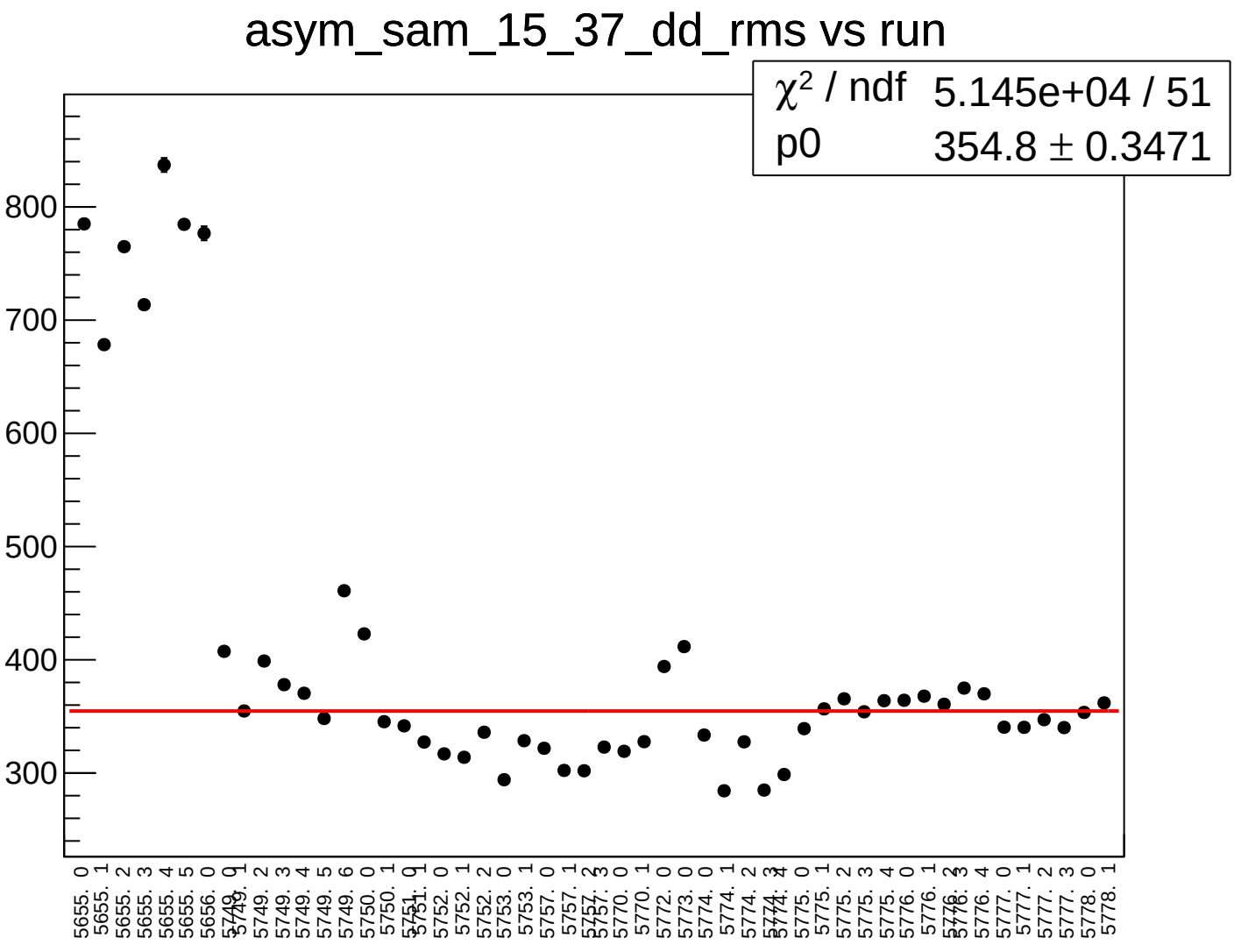
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_15_37_dd_mean vs run
χ² / ndf 46.5 / 51
p0 −52.03 ± 490.8
30000
20000
10000
0
−10000
pull
Entries 52
Mean −88.13
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean 0.01155
Std Dev 0.9455
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_37_dd_rms vs run
χ² / ndf 5.145e+04 / 51
p0 354.8 ± 0.3471
800
700
600
500
400
300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
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5752. 1
5752. 2
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5753. 1
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5773. 0
5774. 0
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5775. 1
5775. 2
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5775. 4
5776. 0
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5776. 3
5776. 4
5777. 0
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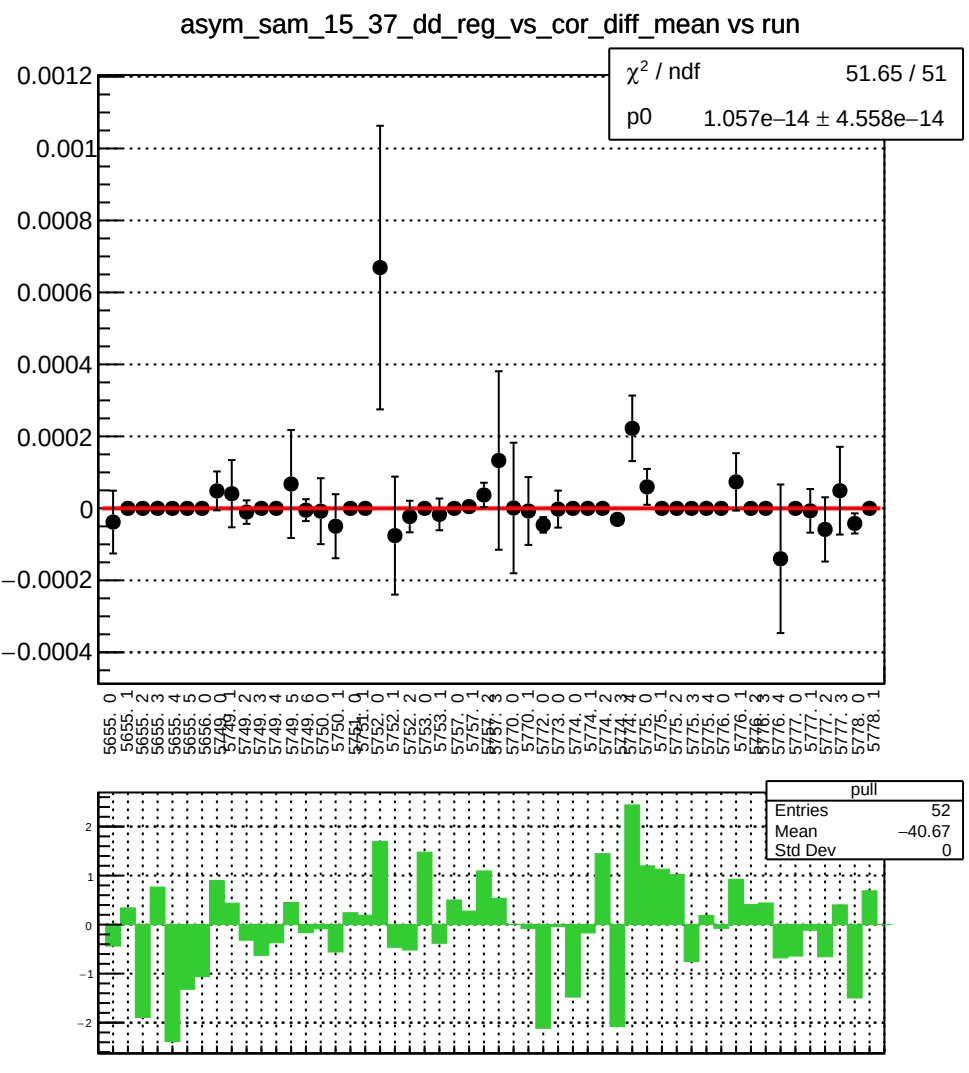
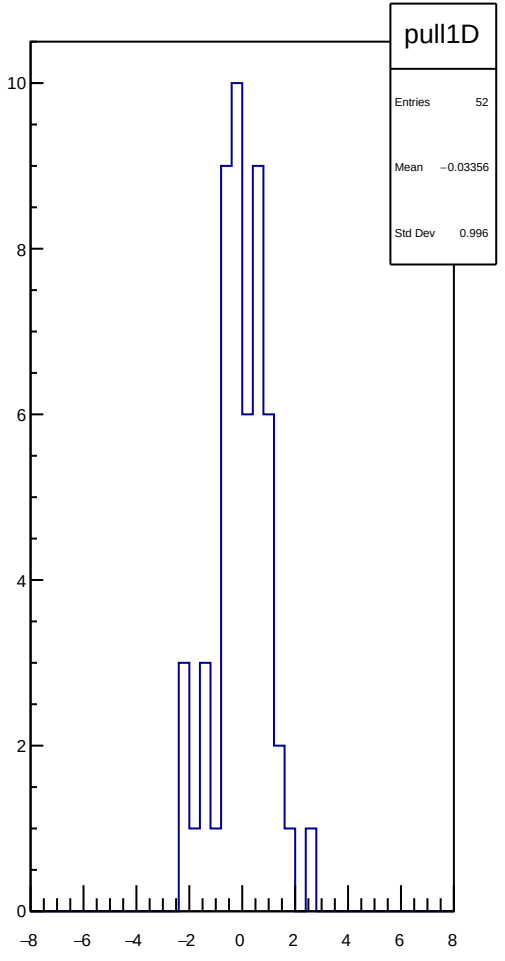
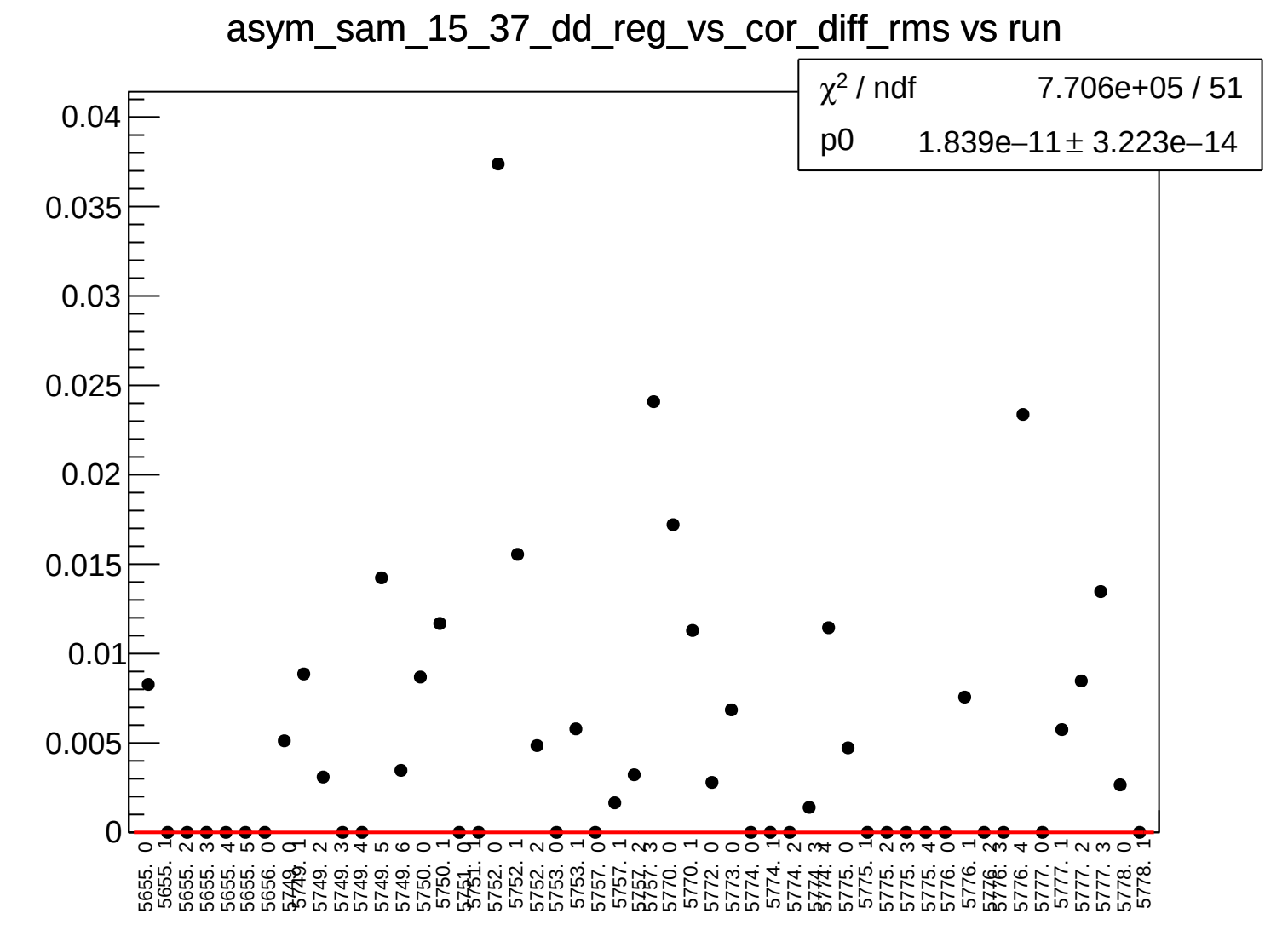
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_15_37_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 51.65 / 51
p0 1.057e−14 ± 4.558e−14
pull
Entries 52
Mean −40.67
Std Dev 0


pull1D
Entries 52
Mean −0.03356
Std Dev 0.996


asym_sam_15_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.706e+05 / 51
p0 1.839e−11 ± 3.223e−14
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5773. 0
5774. 0
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5775. 2
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5775. 4
5776. 0
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5776. 4
5777. 0
5777. 1
5777. 2
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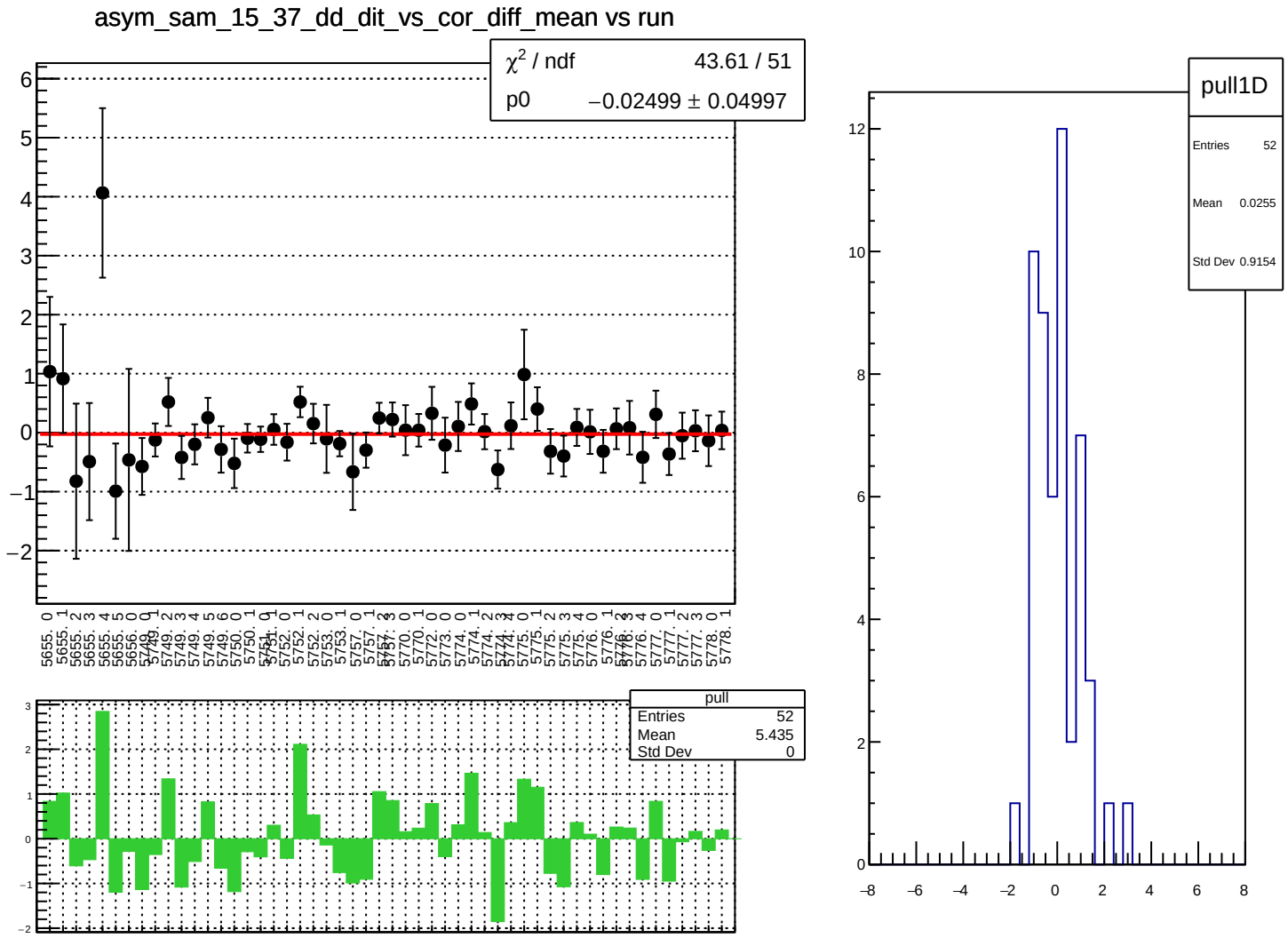
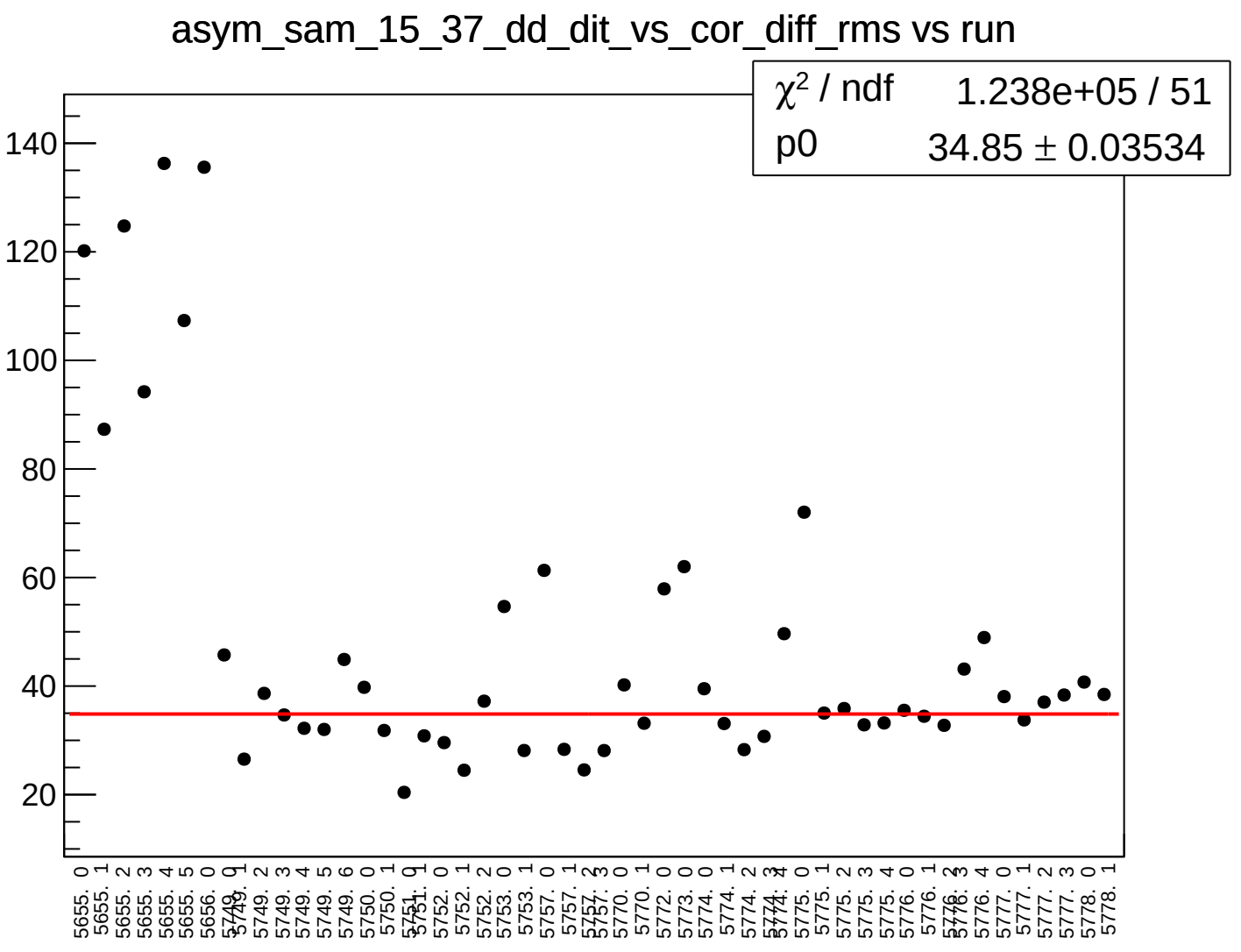
5778. 0
5778. 1


asym_sam_15_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 43.61 / 51
p0 −0.02499 ± 0.04997
pull
Entries 52
Mean 5.435
Std Dev 0
pull1D
Entries 52
Mean 0.0255
Std Dev 0.9154


asym_sam_15_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.238e+05 / 51
p0 34.85 ± 0.03534
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5750. 1
5751. 1
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5752. 2
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5757. 0
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5773. 0
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5774. 1
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5774. 3
5774. 4
5775. 0
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5775. 2
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5775. 4
5776. 0
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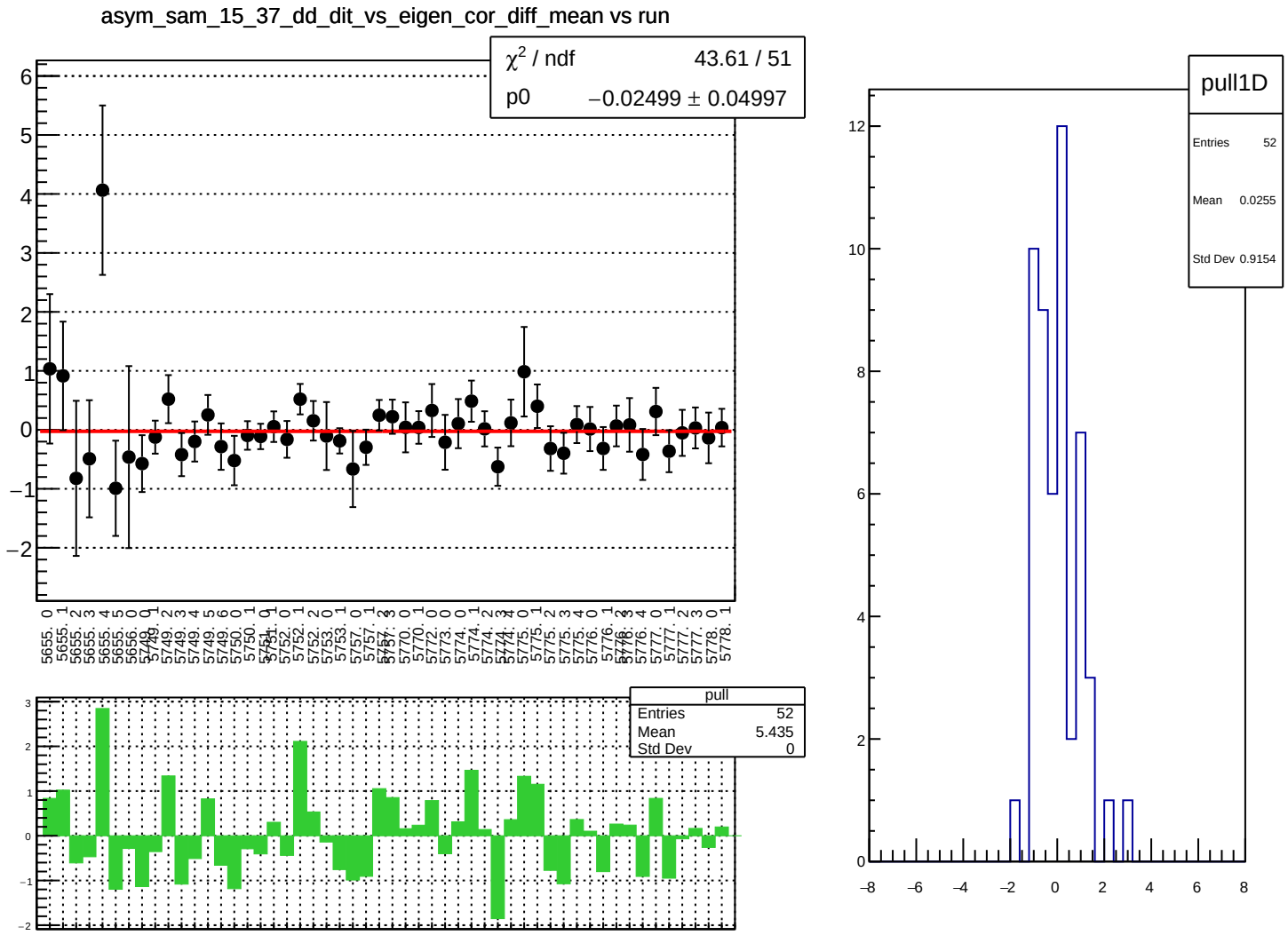
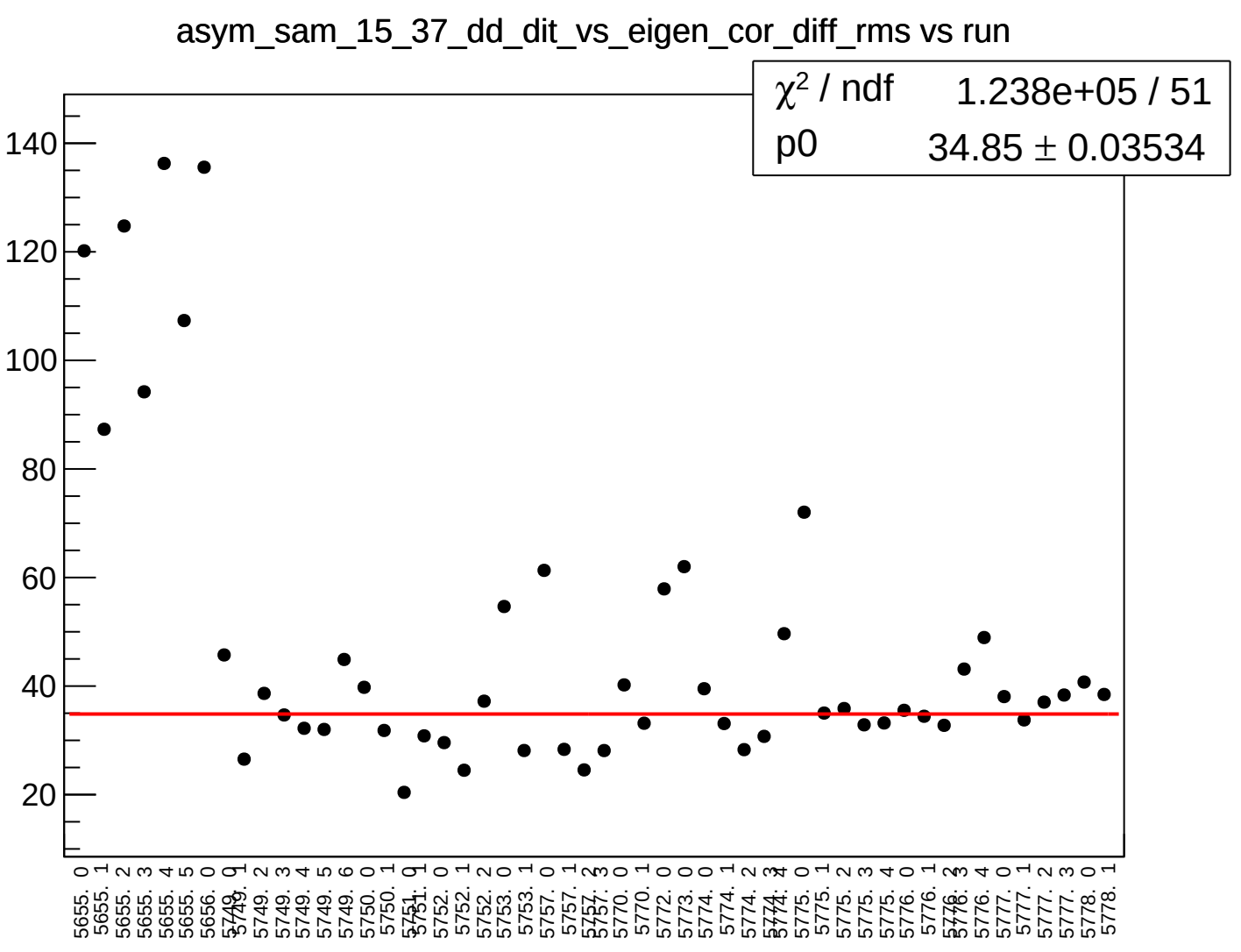
5778. 1


asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.61 / 51
p0 −0.02499 ± 0.04997
pull
Entries 52
Mean 5.435
Std Dev 0
pull1D
Entries 52
Mean 0.0255
Std Dev 0.9154


asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.238e+05 / 51
p0 34.85 ± 0.03534
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
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5773. 0
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5774. 4
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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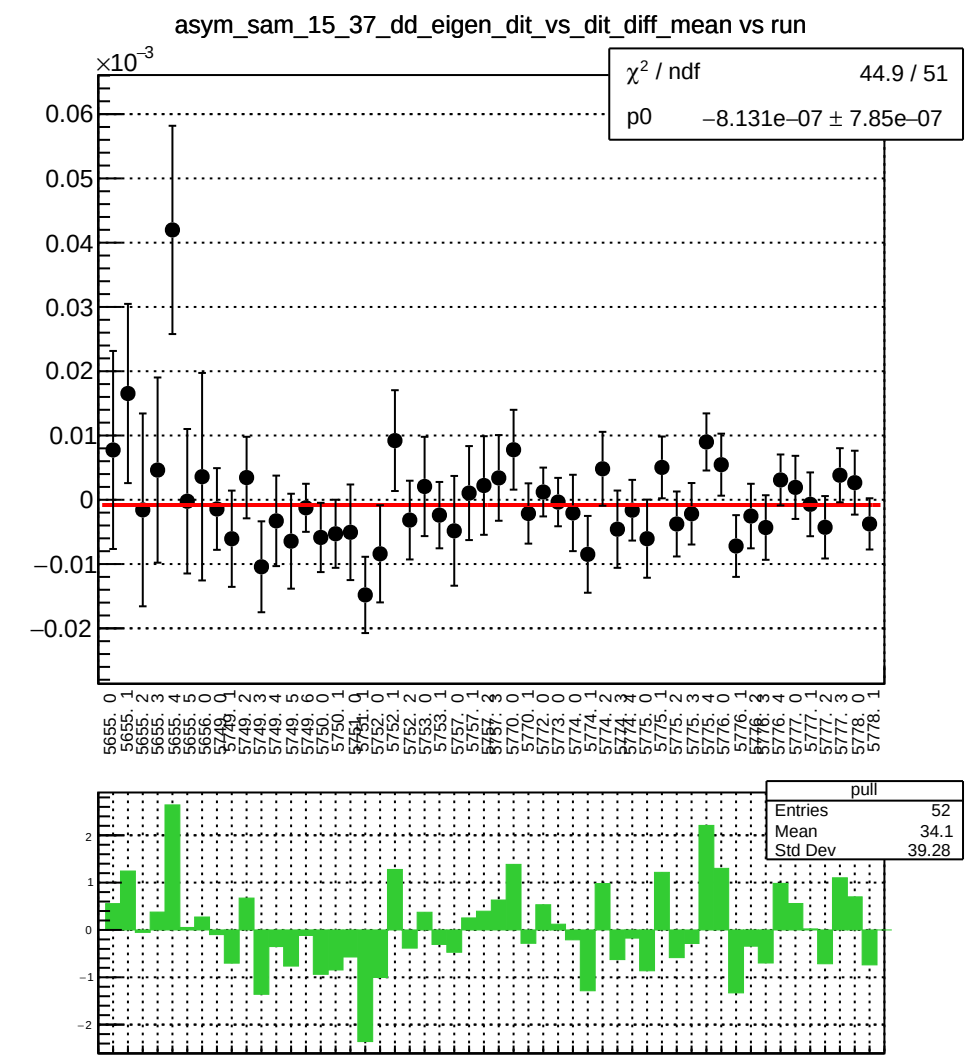
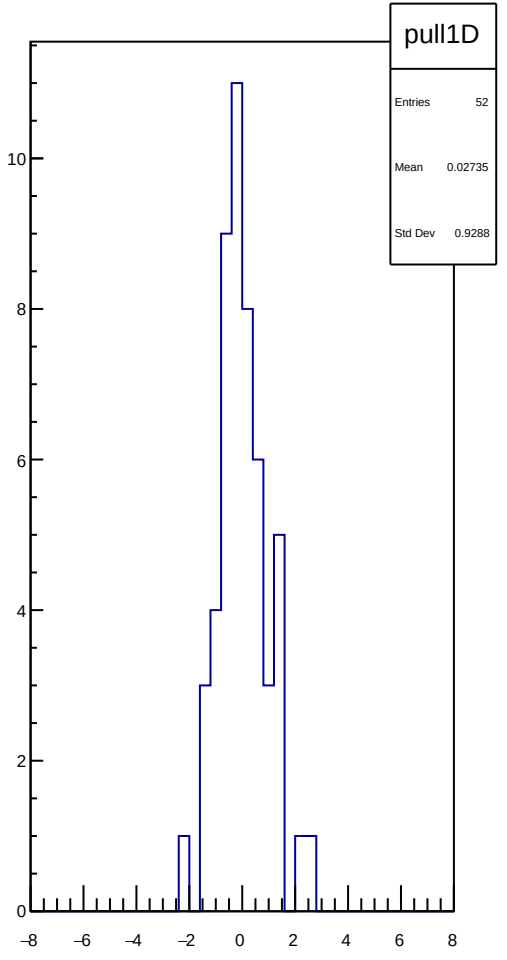
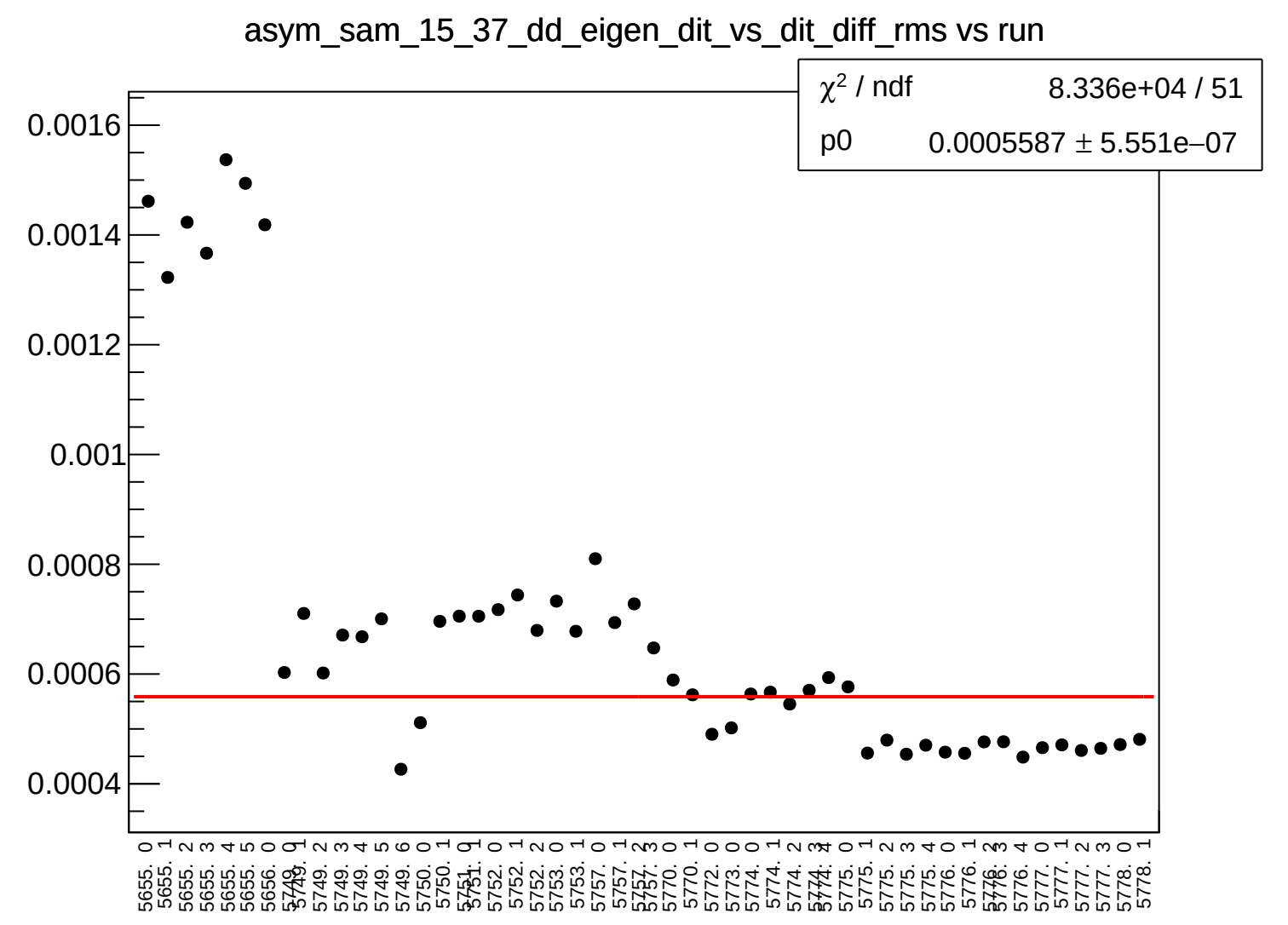

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 44.9 / 51
p0 −8.131e−07 ± 7.85e−07
pull
Entries 52
Mean 34.1
Std Dev 39.28


pull1D
Entries 52
Mean 0.02735
Std Dev 0.9288


asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8.336e+04 / 51
p0 0.0005587 ± 5.551e−07
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5749. 6
5750. 0
5750. 1
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5751. 1
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5752. 1
5752. 2
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5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
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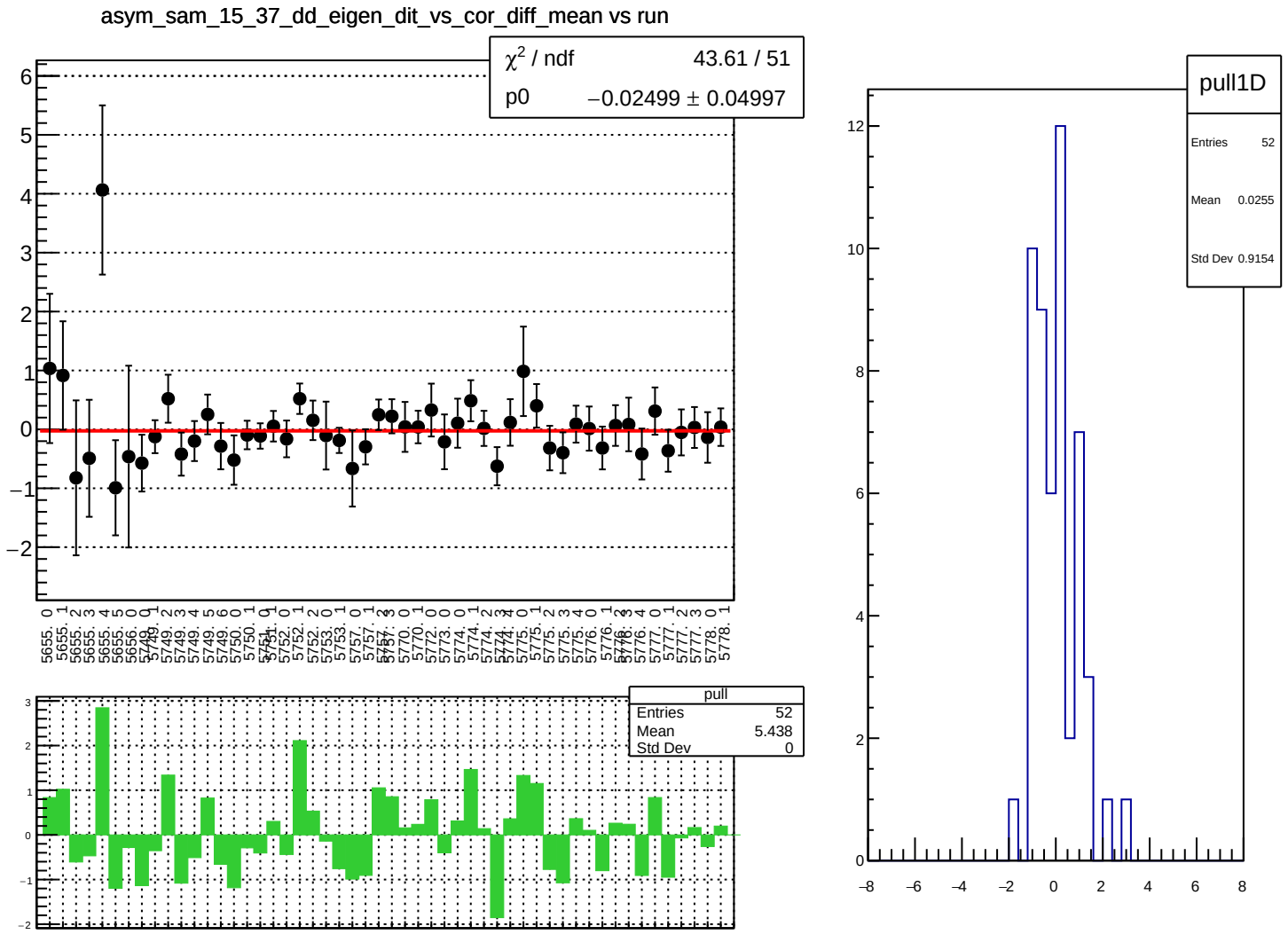
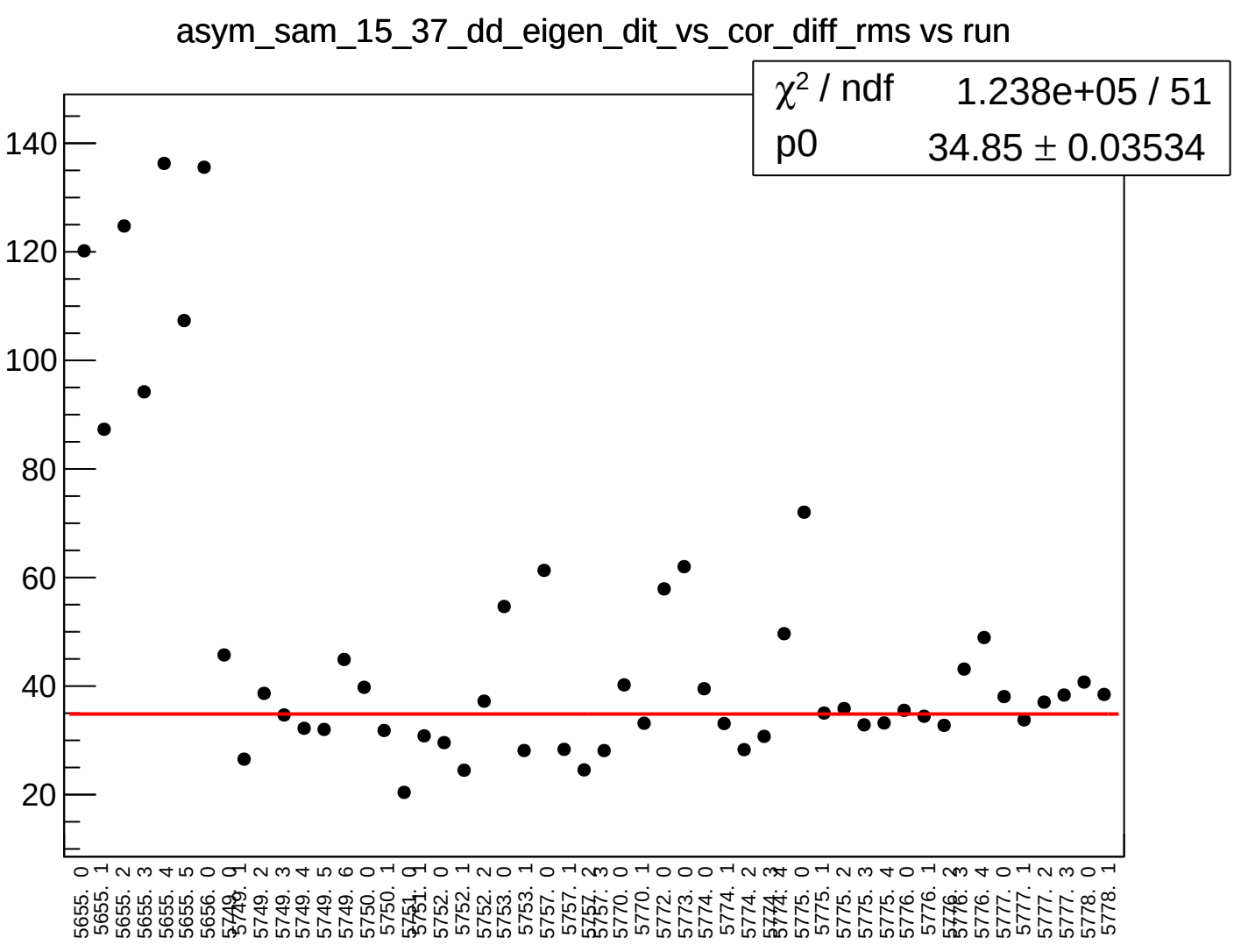
5778. 0
5778. 1


asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 43.61 / 51
p0 −0.02499 ± 0.04997
pull
Entries 52
Mean 5.438
Std Dev 0
pull1D
Entries 52
Mean 0.0255
Std Dev 0.9154


asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.238e+05 / 51
p0 34.85 ± 0.03534
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
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5655. 4
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5757. 0
5757. 1
5757. 2
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5770. 1
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5774. 1
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5775. 0
5775. 1
5775. 2
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5775. 4
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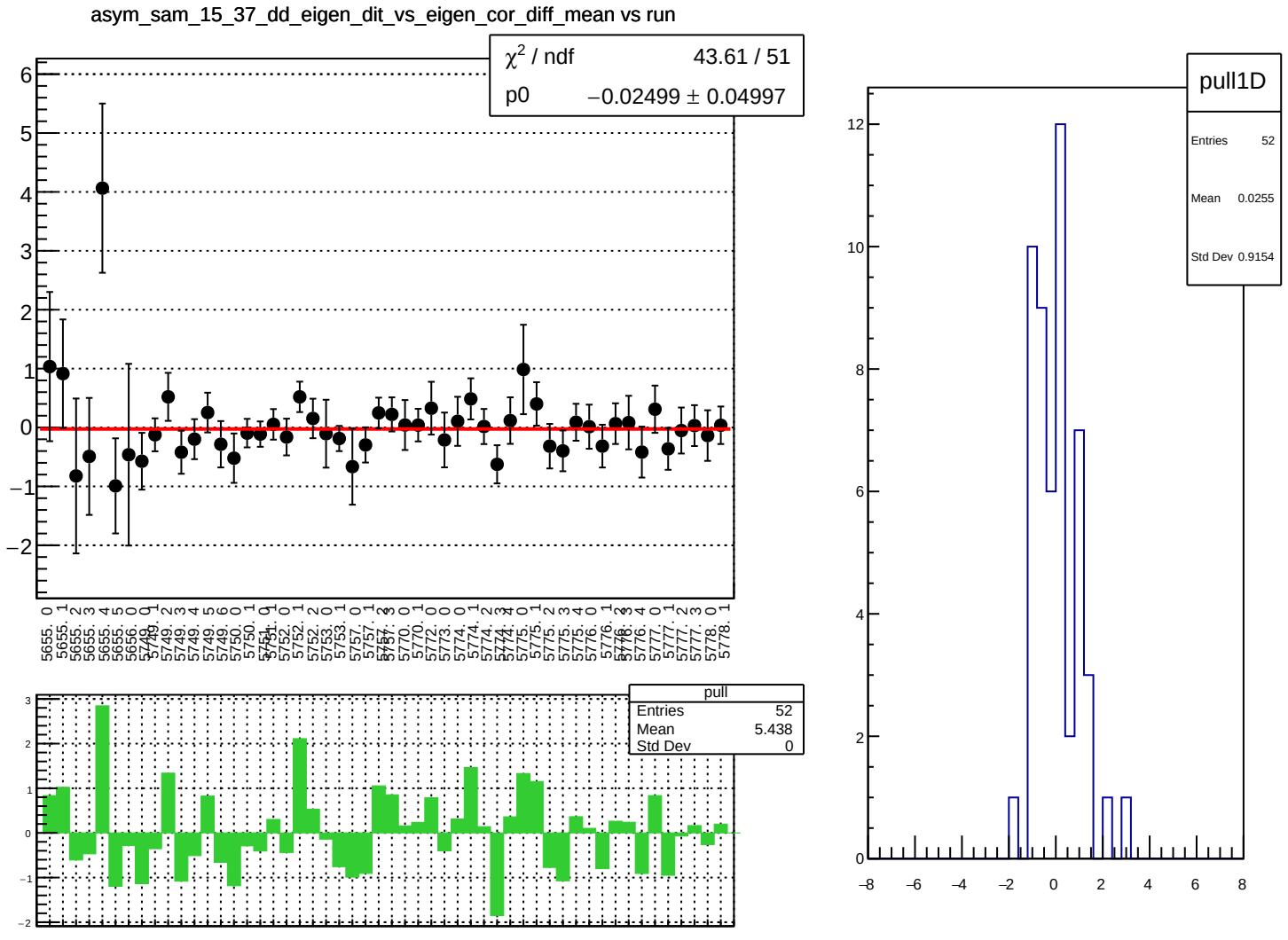
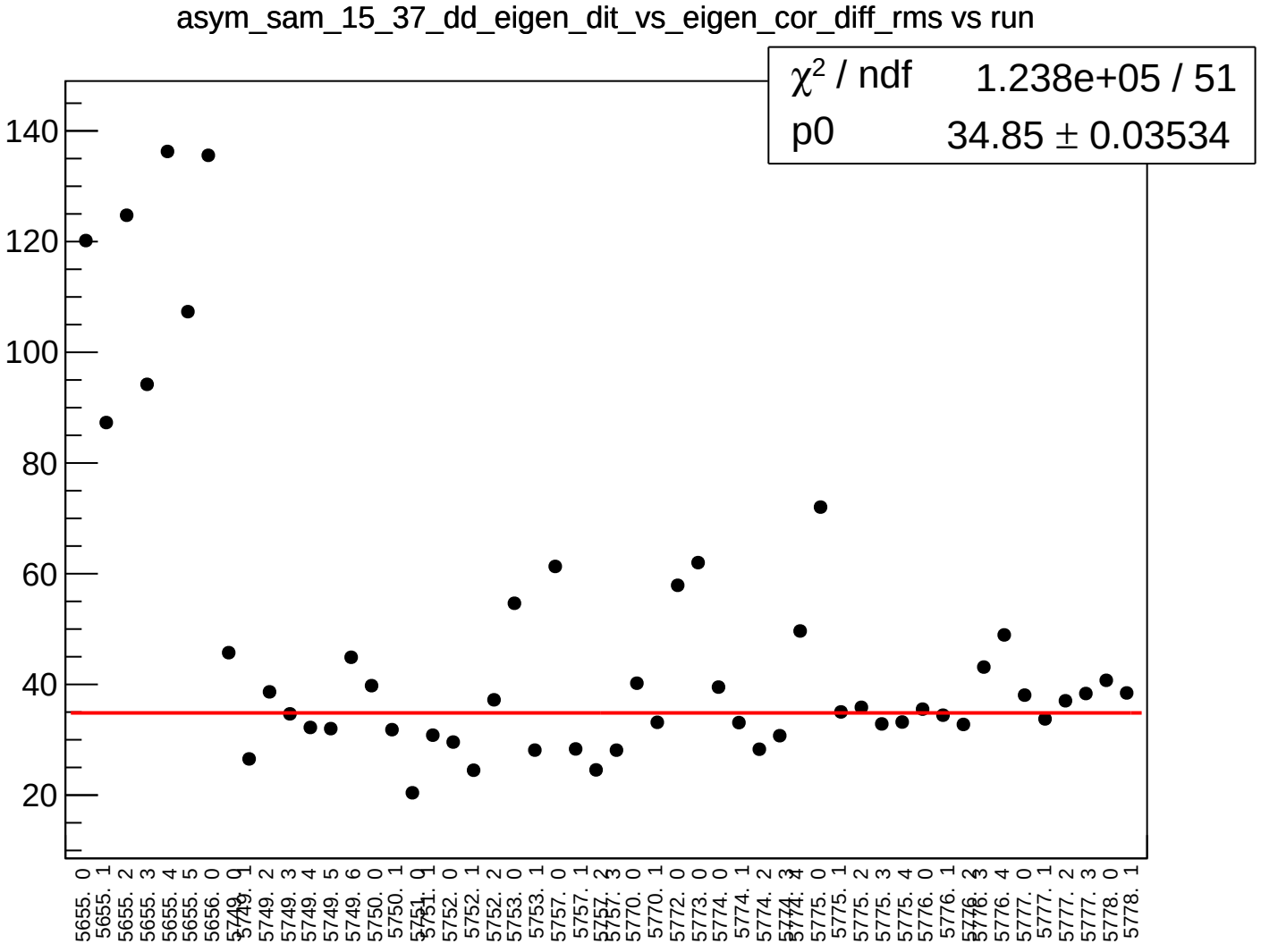
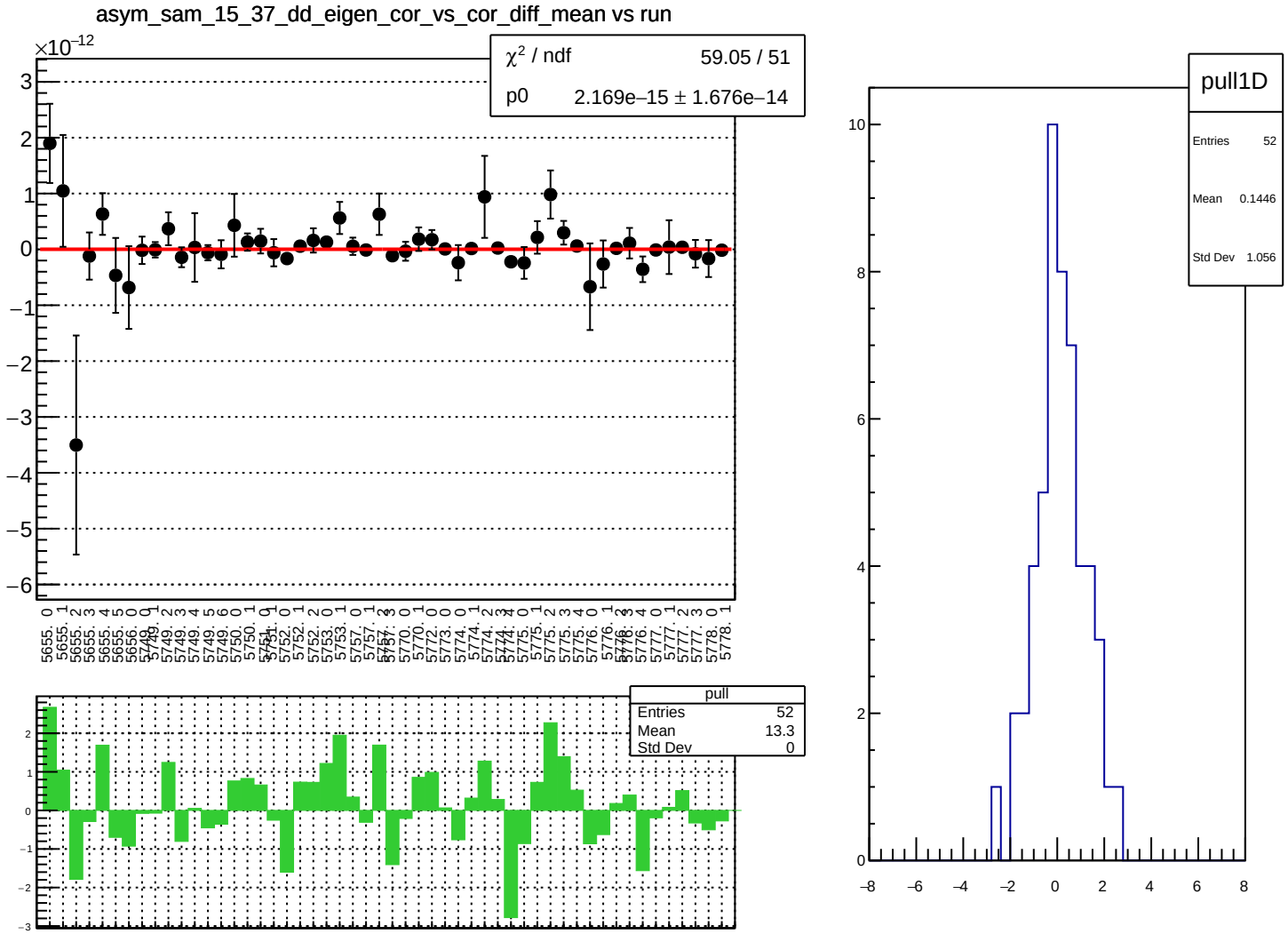
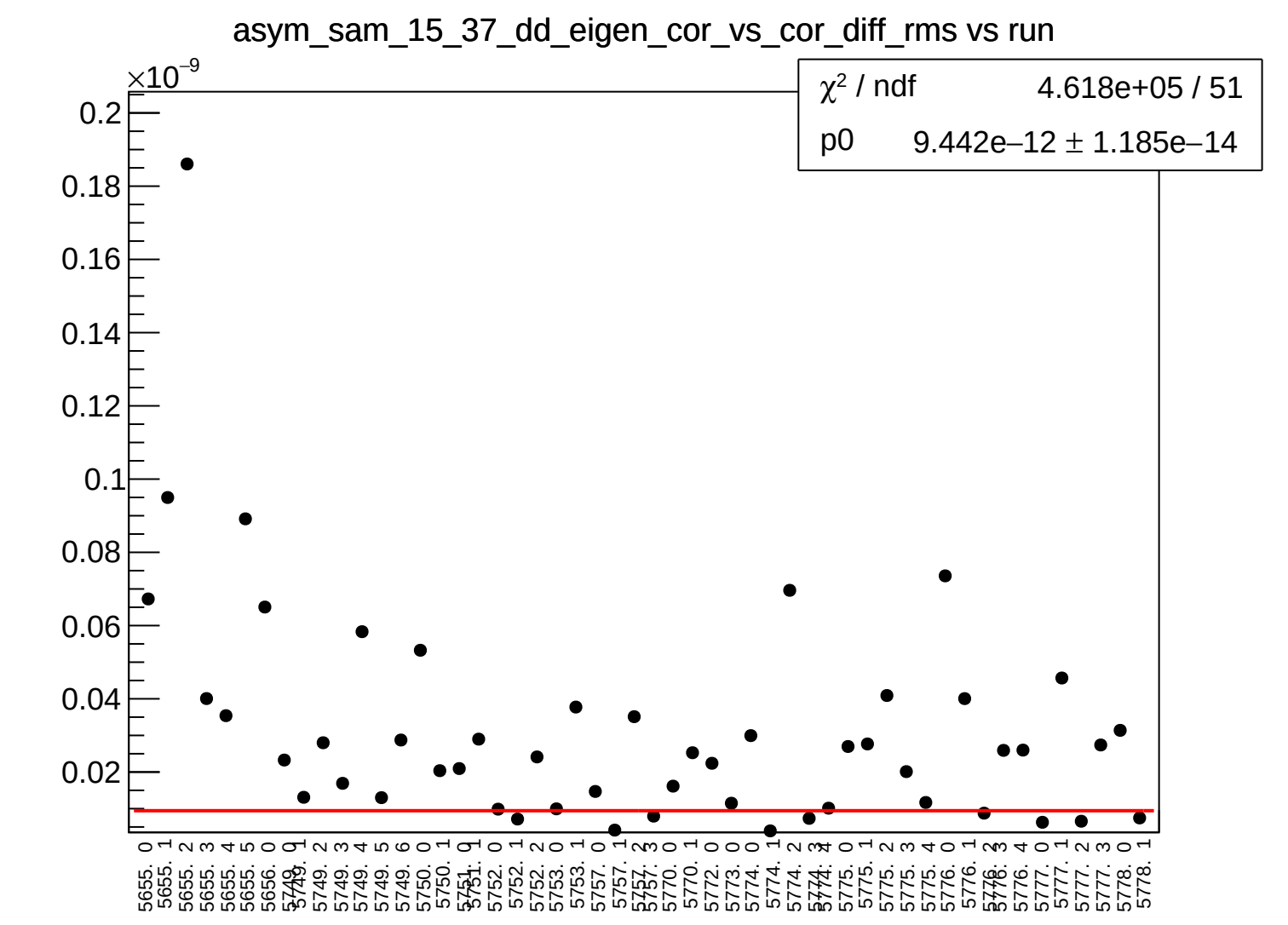
5778. 0
5778. 1


asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.61 / 51
p0 −0.02499 ± 0.04997
pull
Entries 52
Mean 5.438
Std Dev 0
pull1D
Entries 52
Mean 0.0255
Std Dev 0.9154


asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.238e+05 / 51
p0 34.85 ± 0.03534
140
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.05 / 51
p0 2.169e−15 ± 1.676e−14
pull
Entries 52
Mean 13.3
Std Dev 0
pull1D
Entries 52
Mean 0.1446
Std Dev 1.056


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.618e+05 / 51
p0 9.442e−12 ± 1.185e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
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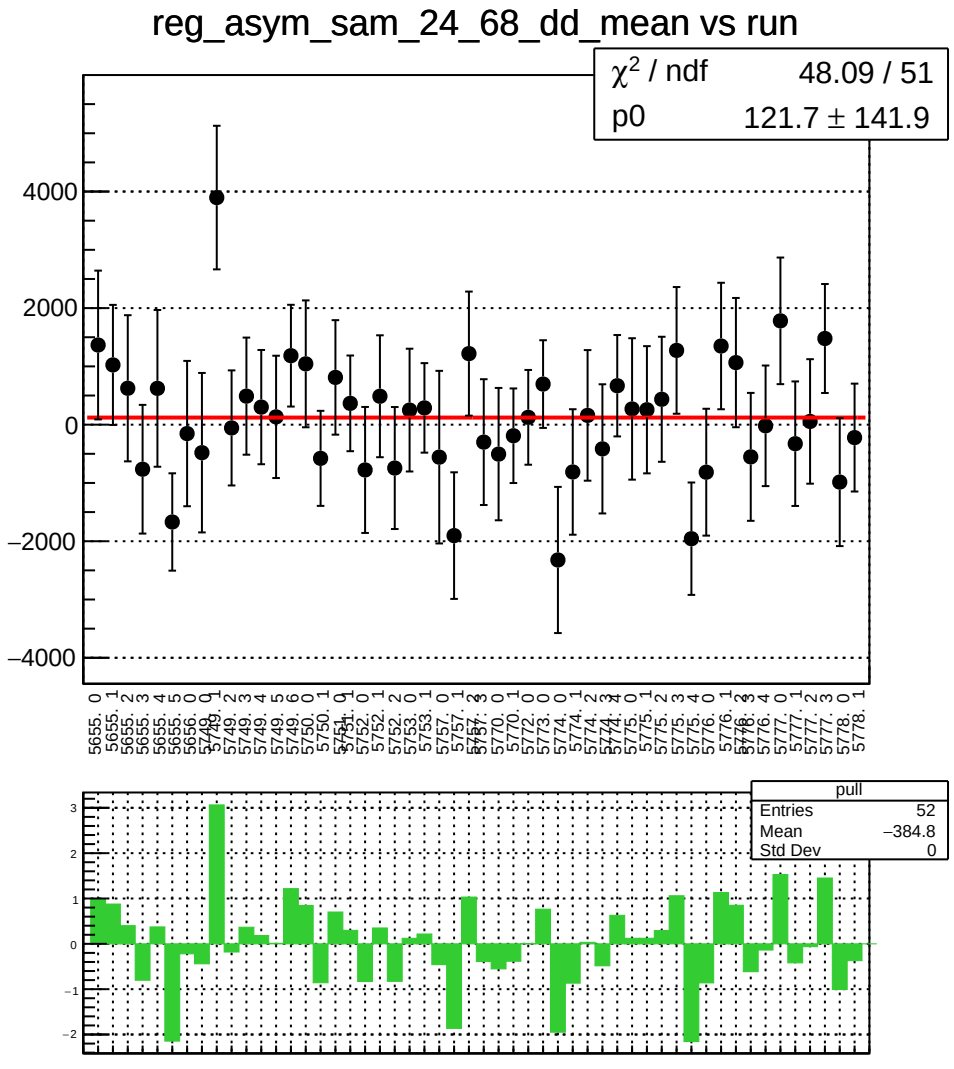
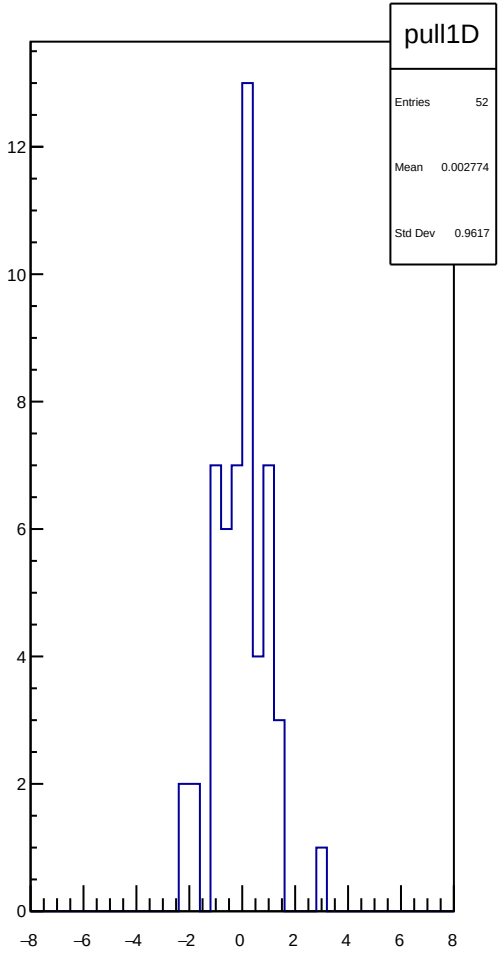
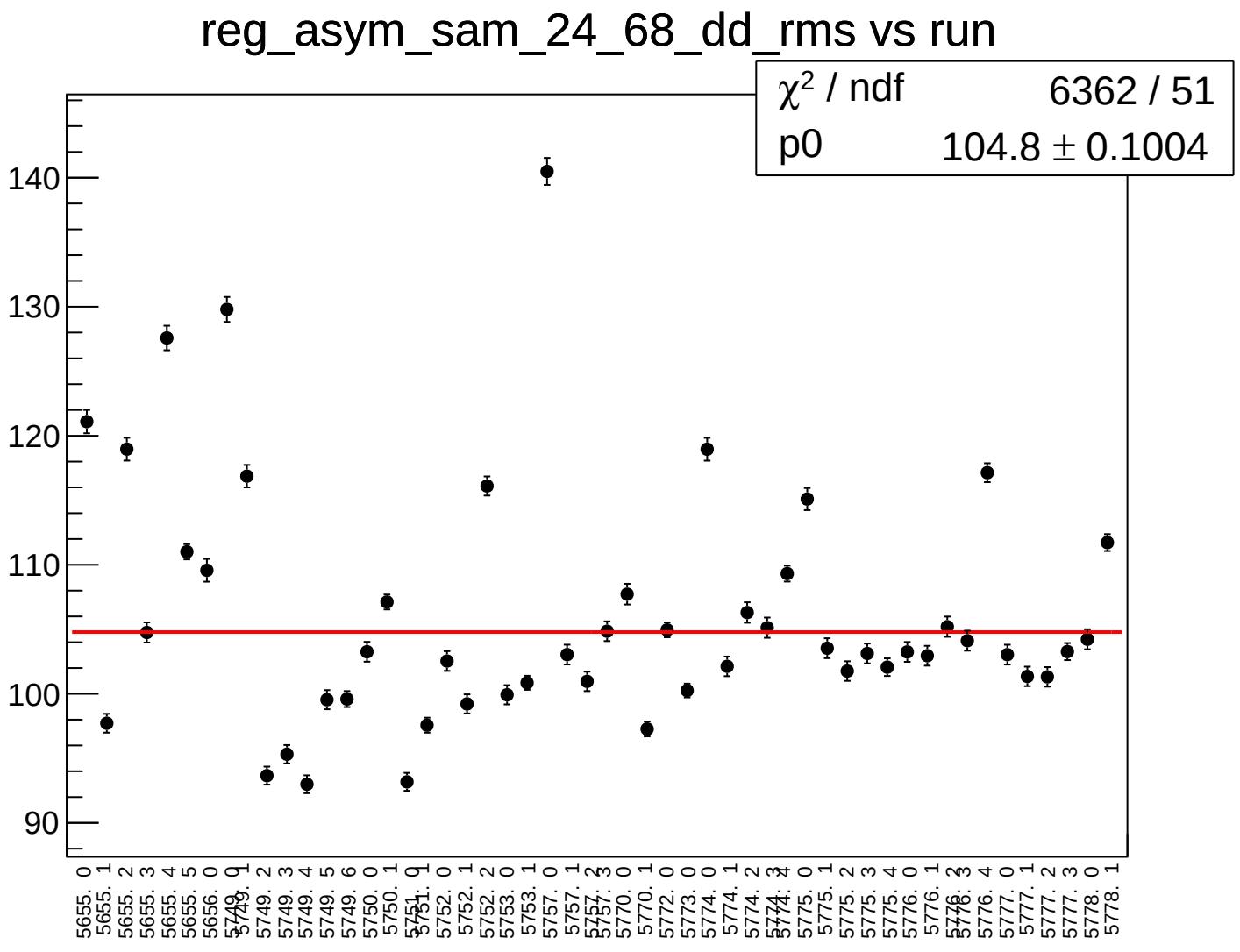
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


reg_asym_sam_24_68_dd_mean vs run
χ² / ndf 48.09 / 51
p0 121.7 ± 141.9
4000
2000
0
−2000
−4000
pull
Entries 52
Mean −384.8
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.002774
Std Dev 0.9617
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_24_68_dd_rms vs run
χ² / ndf 6362 / 51
p0 104.8 ± 0.1004
140
130
120
110
100
90
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
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5774. 1
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5774. 3
5774. 4
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5775. 1
5775. 2
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5776. 0
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5776. 4
5777. 0
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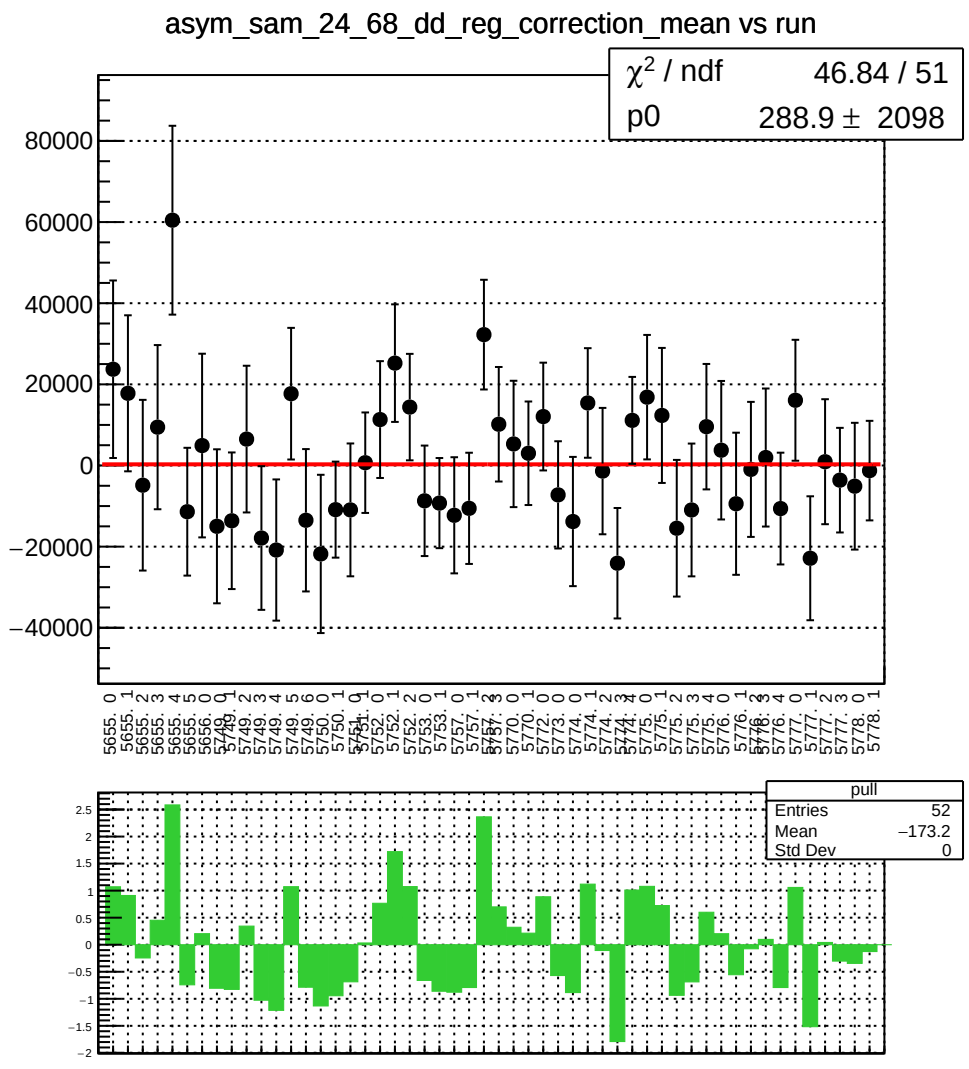
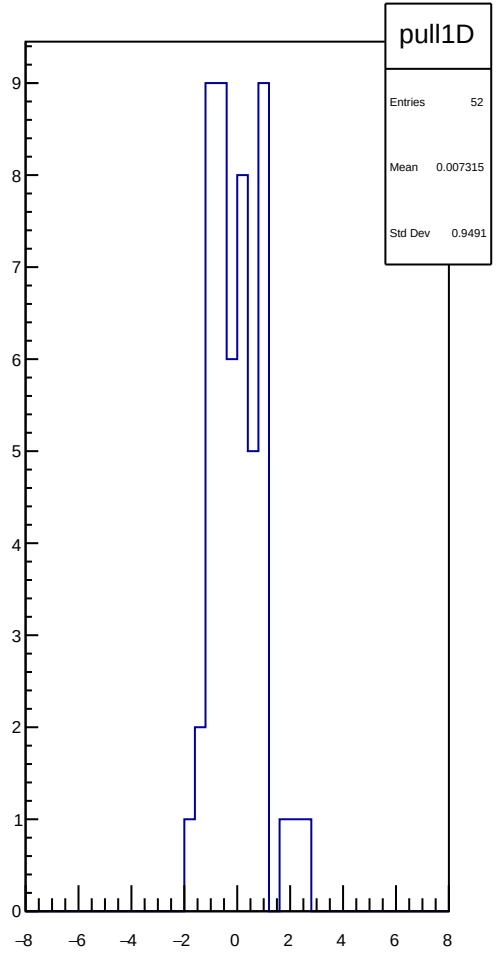
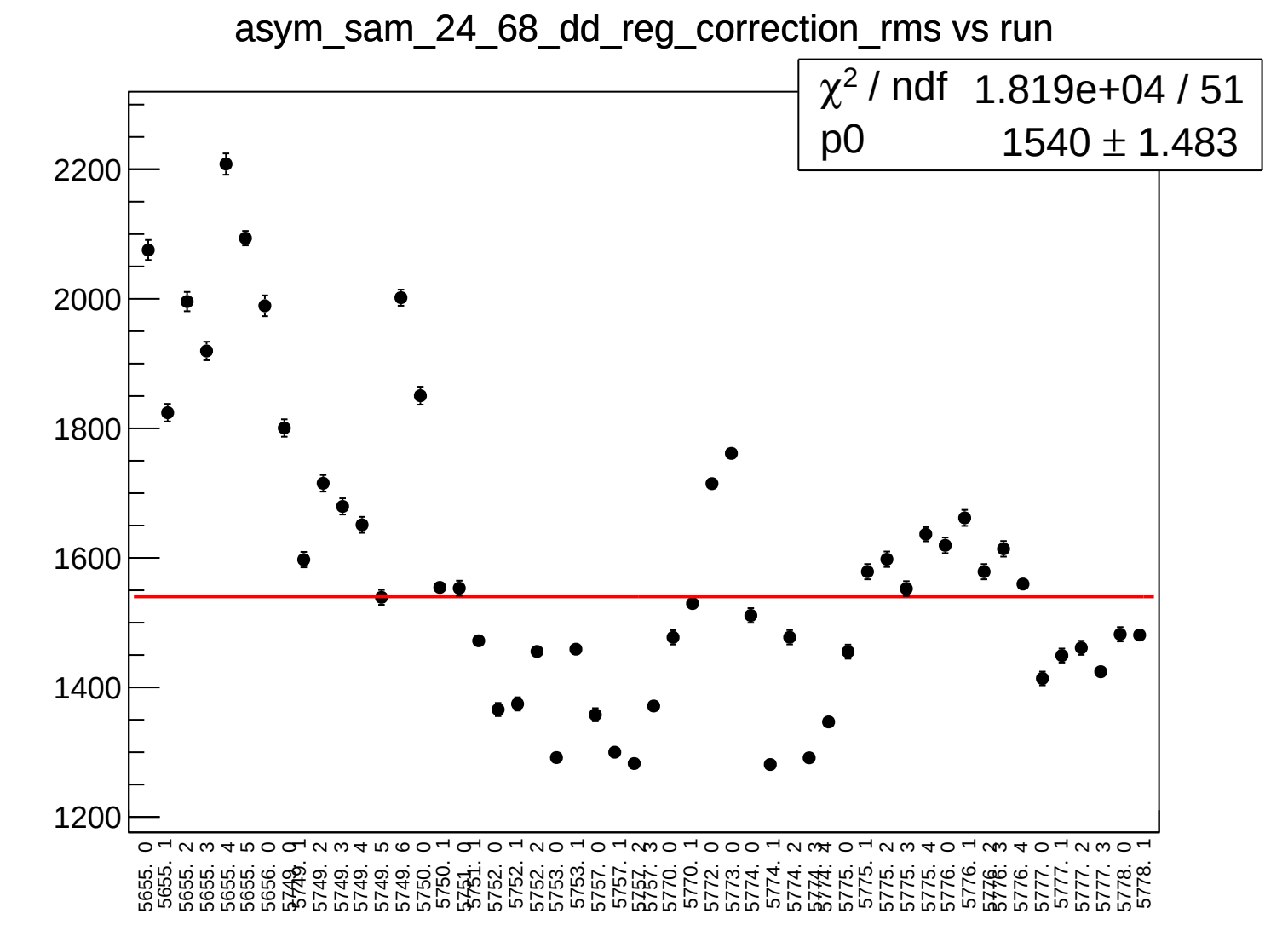
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_24_68_dd_reg_correction_mean vs run
χ² / ndf 46.84 / 51
p0 288.9 ± 2098
pull
Entries 52
Mean −173.2
Std Dev 0


pull1D
Entries 52
Mean 0.007315
Std Dev 0.9491


asym_sam_24_68_dd_reg_correction_rms vs run
χ² / ndf 1.819e+04 / 51
p0 1540 ± 1.483
2200
2000
1800
1600
1400
1200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
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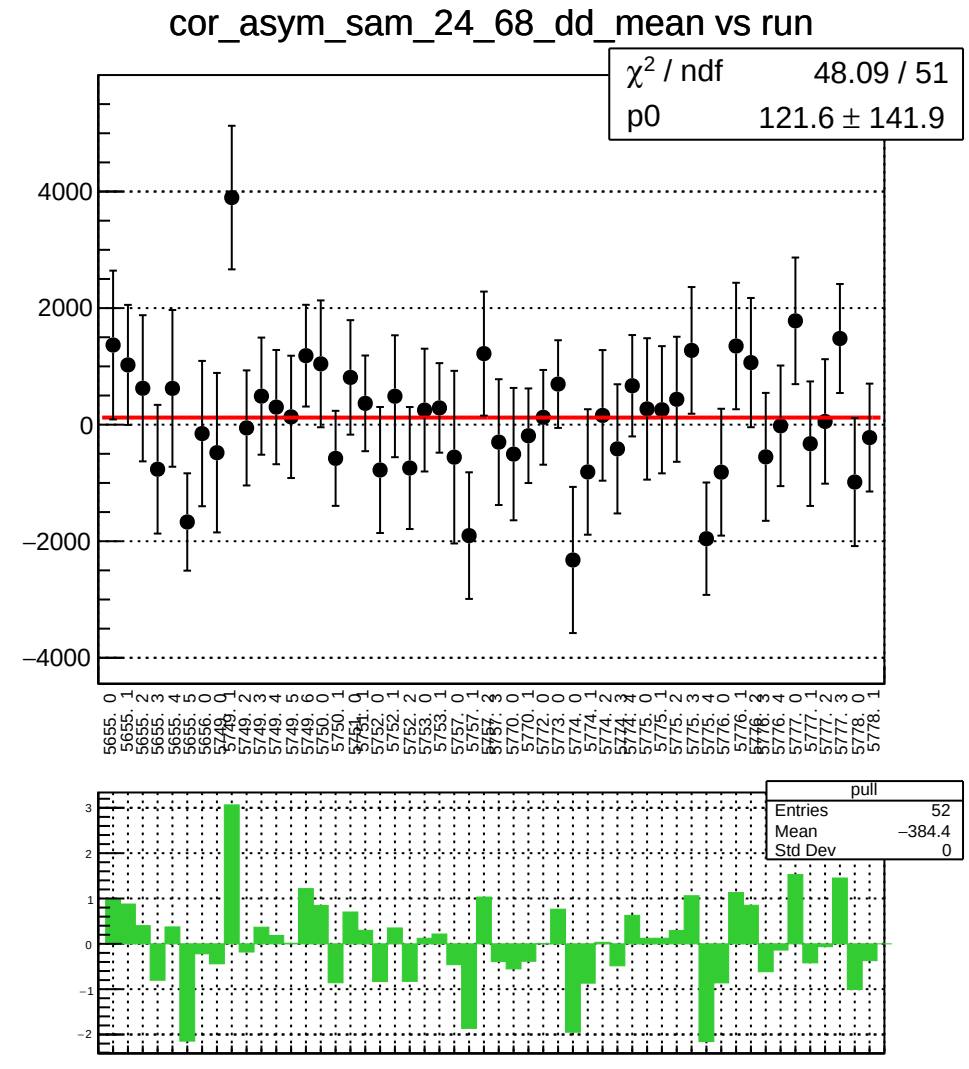
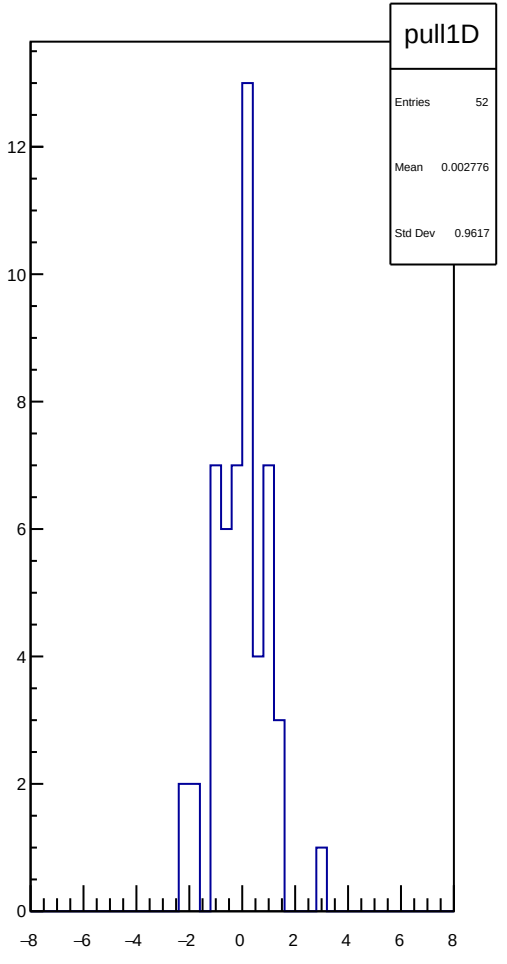
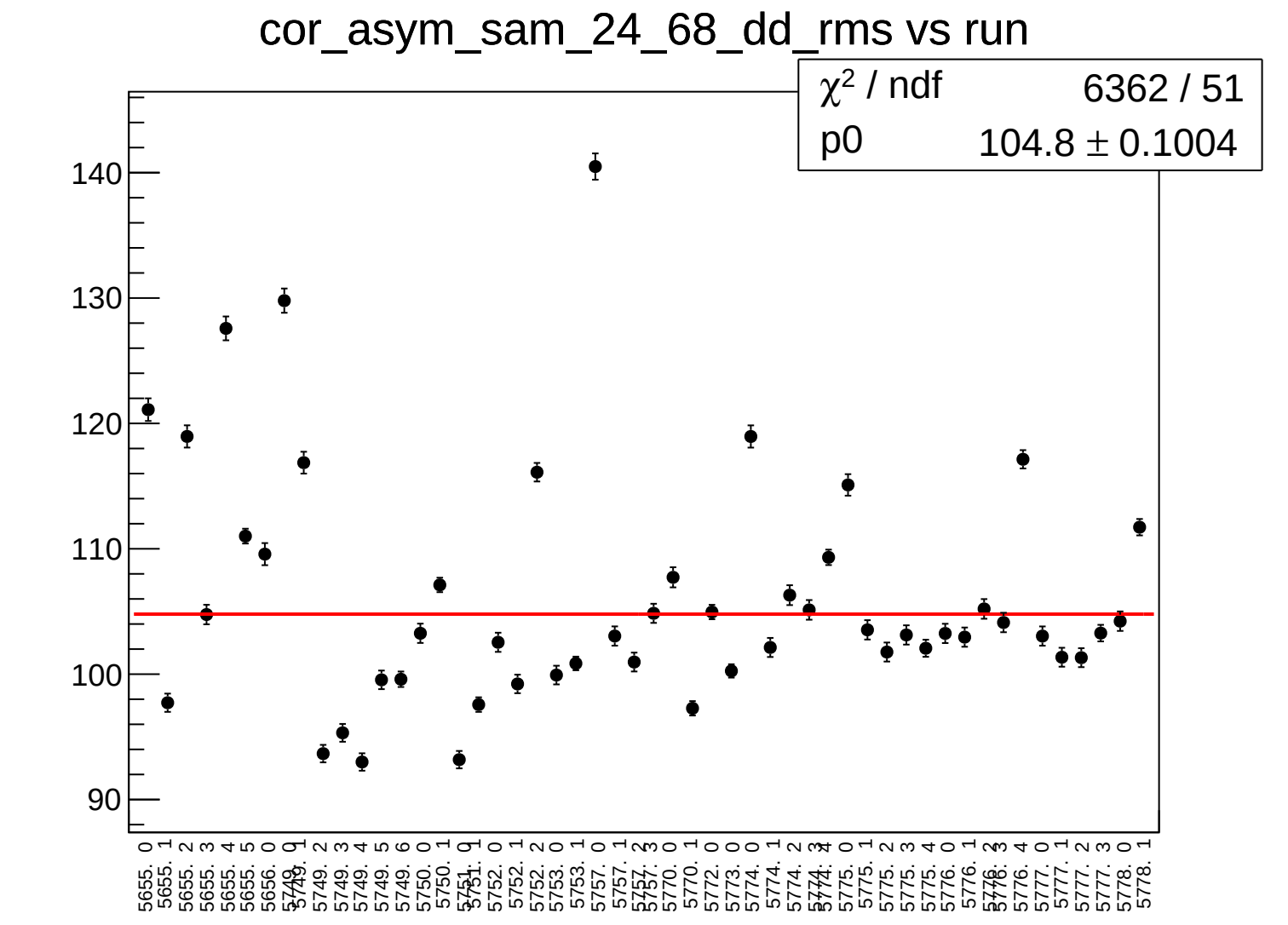
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 48.09 / 51
p0 121.6 ± 141.9
4000
2000
0
−2000
−4000
pull
Entries 52
Mean −384.4
Std Dev 0


pull1D
Entries 52
Mean 0.002776
Std Dev 0.9617
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 6362 / 51
p0 104.8 ± 0.1004
140
130
120
110
100
90
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
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5753. 1
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5772. 0
5773. 0
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5774. 2
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5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
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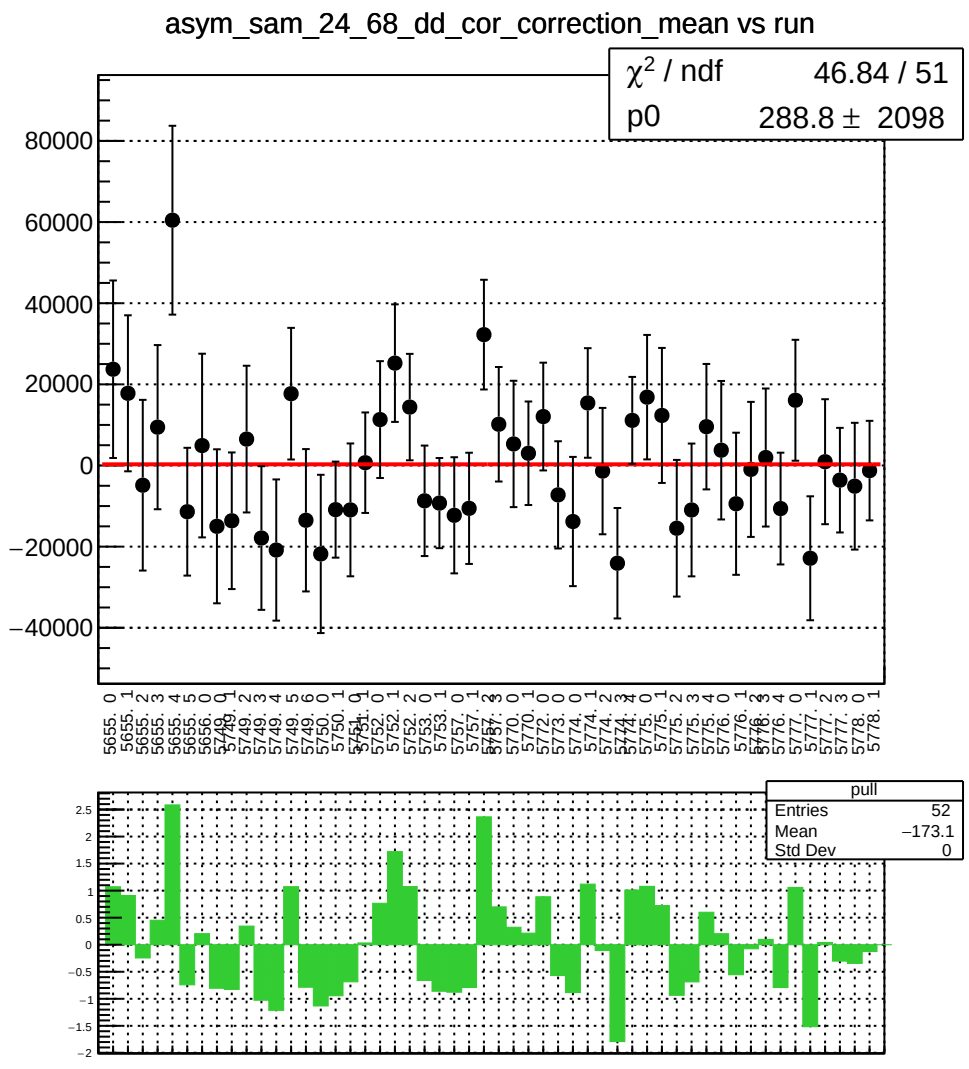
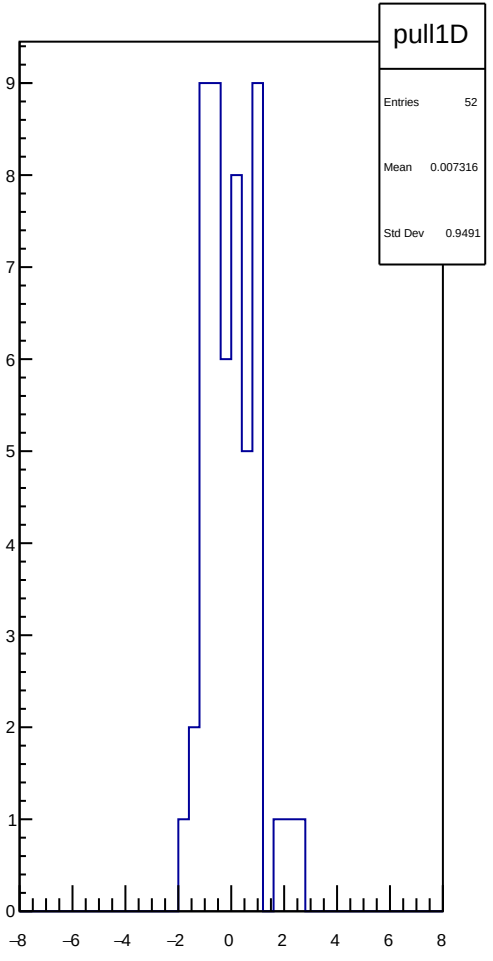
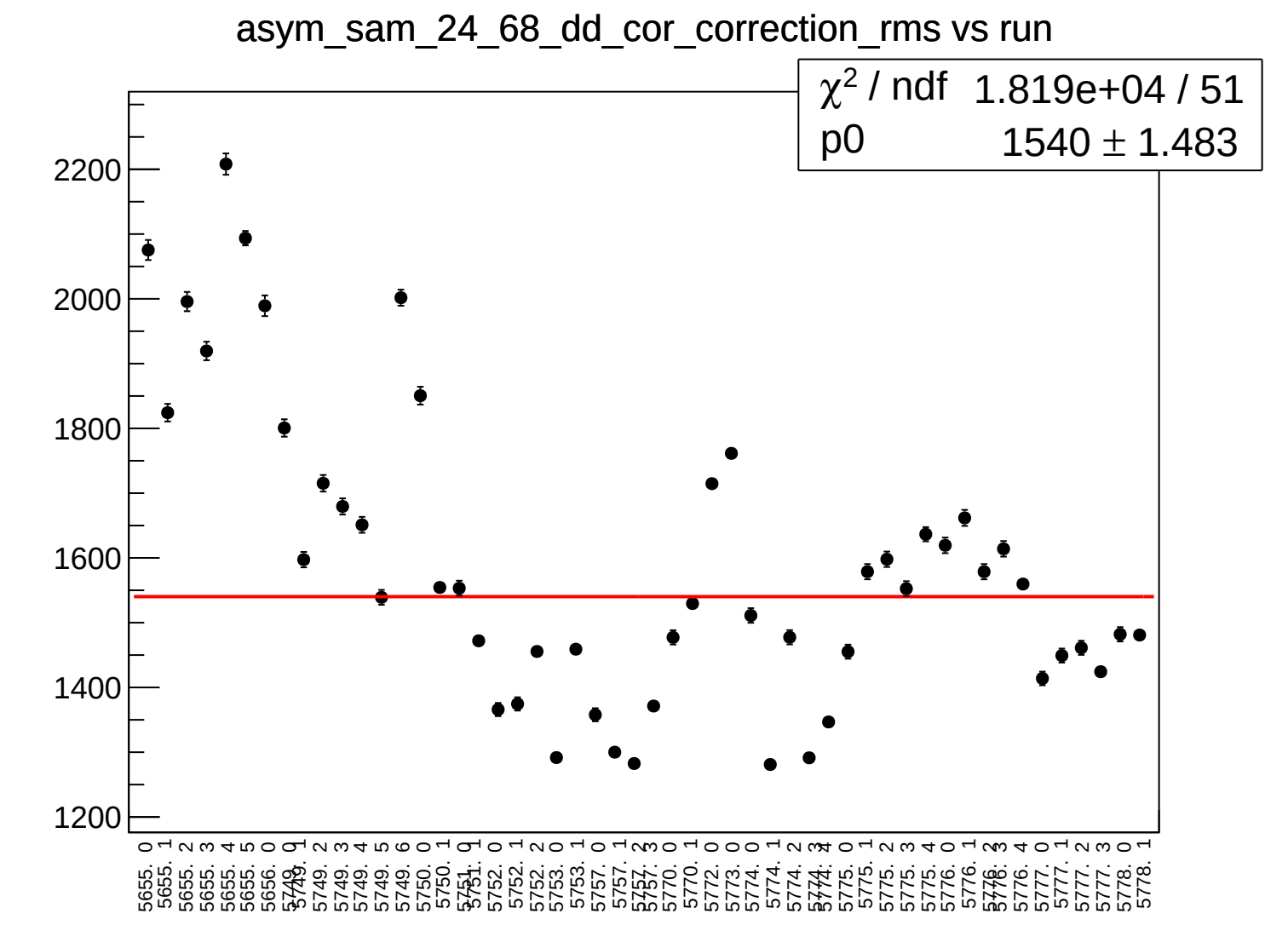
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_24_68_dd_cor_correction_mean vs run
χ² / ndf 46.84 / 51
p0 288.8 ± 2098
pull
Entries 52
Mean −173.1
Std Dev 0


pull1D
Entries 52
Mean 0.007316
Std Dev 0.9491


asym_sam_24_68_dd_cor_correction_rms vs run
χ² / ndf 1.819e+04 / 51
p0 1540 ± 1.483
2200
2000
1800
1600
1400
1200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
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5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
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5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
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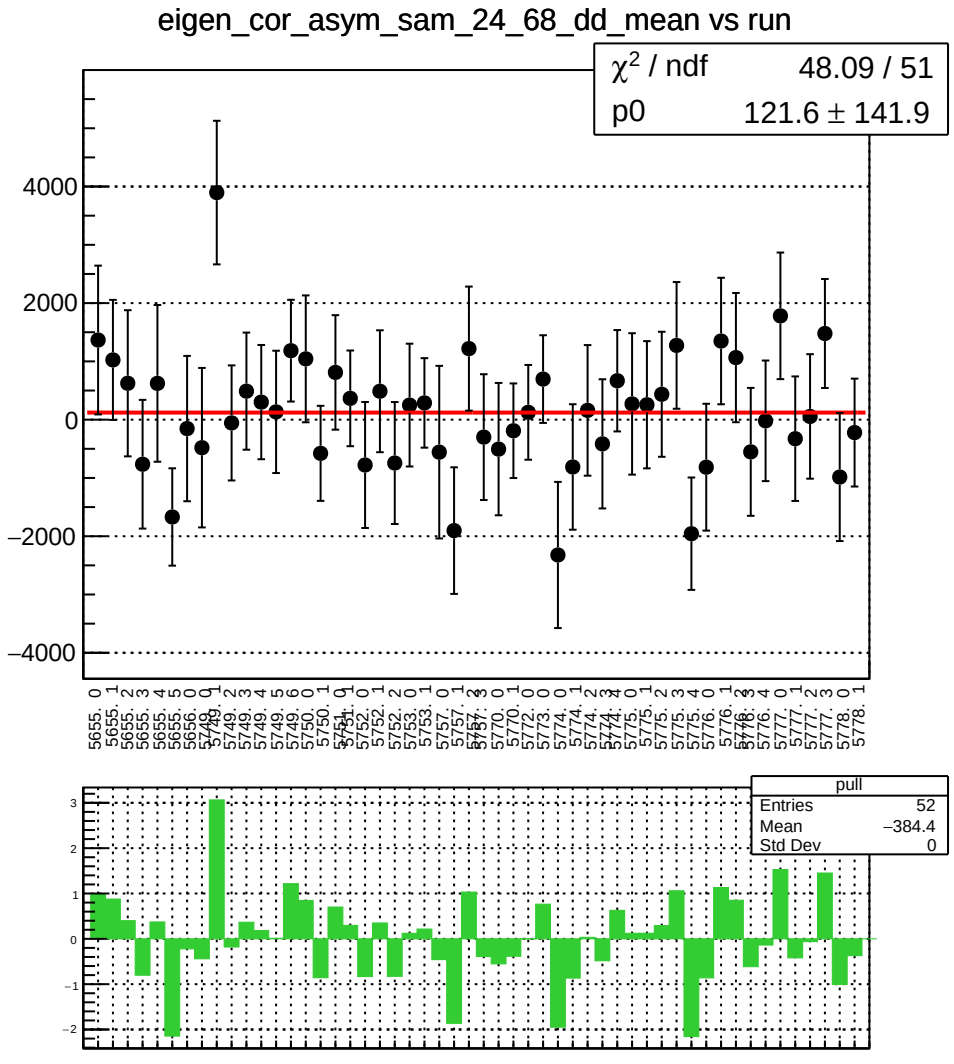
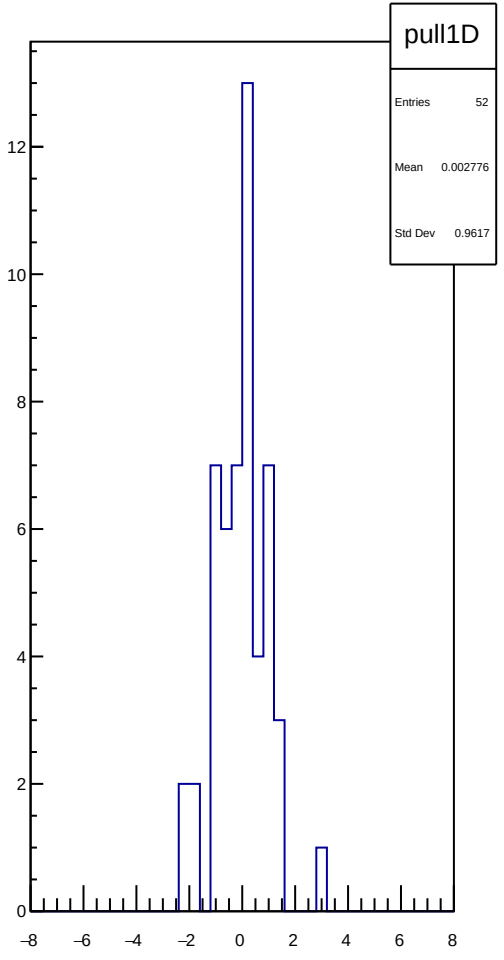
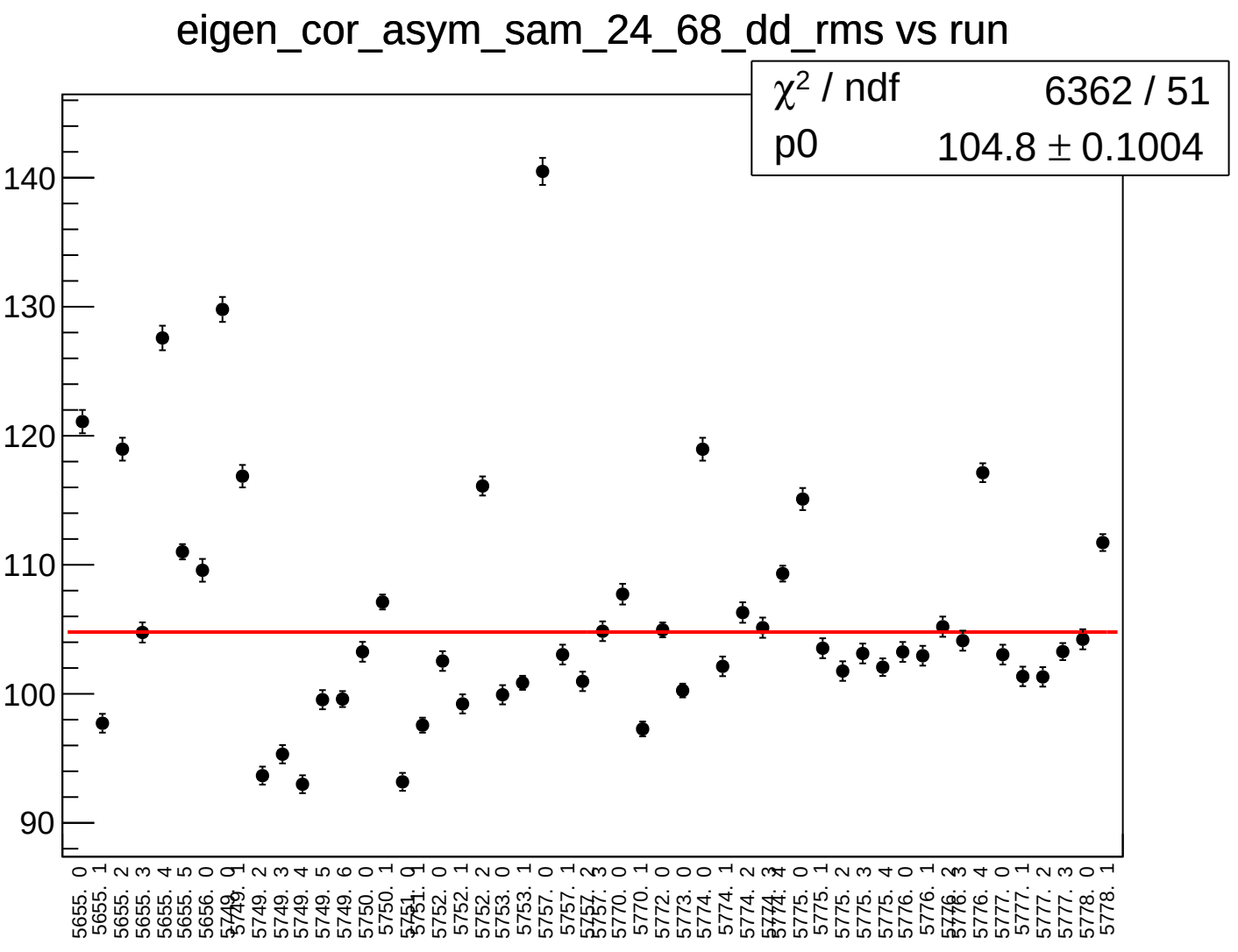
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 48.09 / 51
p0 121.6 ± 141.9
4000
2000
0
−2000
−4000
pull
Entries 52
Mean −384.4
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.002776
Std Dev 0.9617
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 6362 / 51
p0 104.8 ± 0.1004
140
130
120
110
100
90
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5774. 3
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5775. 1
5775. 2
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5776. 0
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5776. 3
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5777. 2
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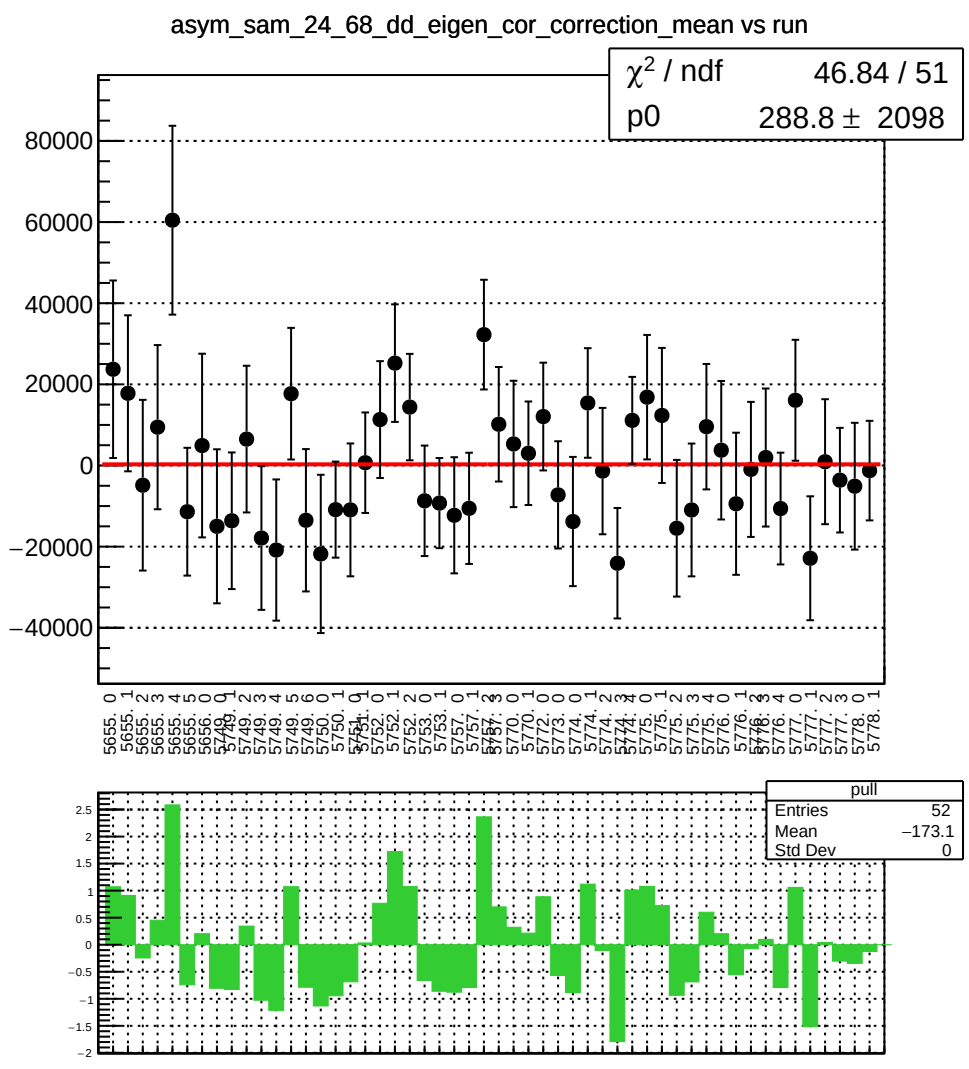
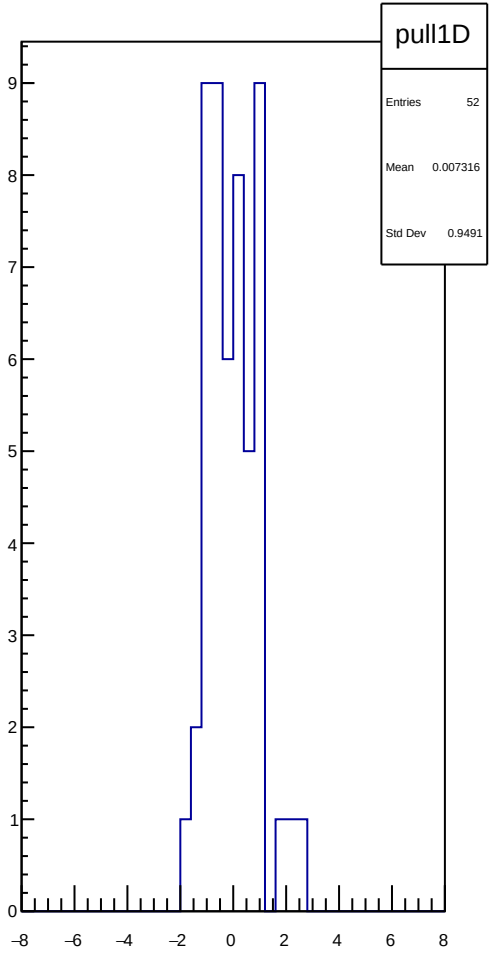
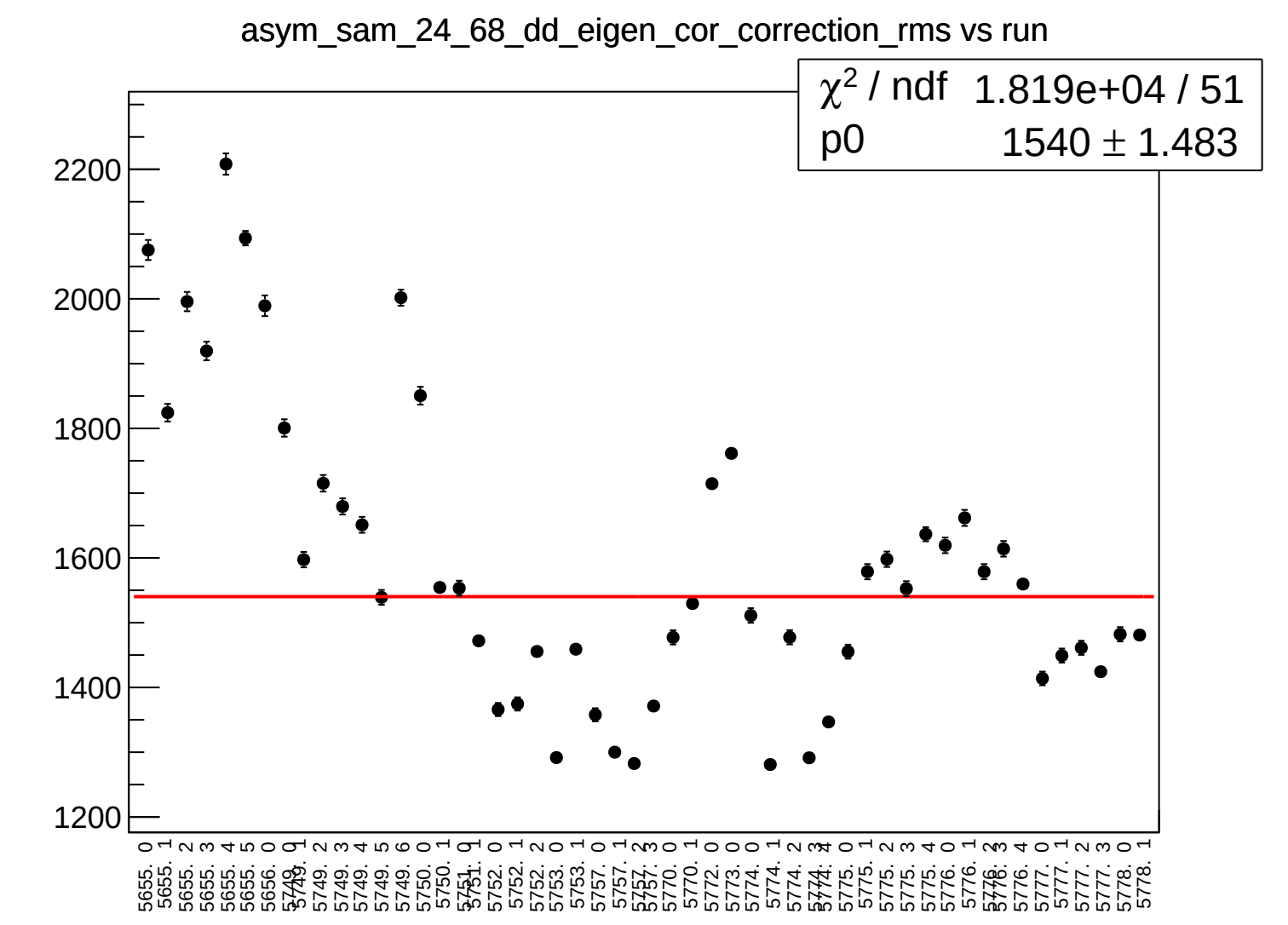
5778. 0
5778. 1


asym_sam_24_68_dd_eigen_cor_correction_mean vs run
χ² / ndf 46.84 / 51
p0 288.8 ± 2098
pull
Entries 52
Mean −173.1
Std Dev 0


pull1D
Entries 52
Mean 0.007316
Std Dev 0.9491


asym_sam_24_68_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.819e+04 / 51
p0 1540 ± 1.483
2200
2000
1800
1600
1400
1200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5750. 1
5751. 0
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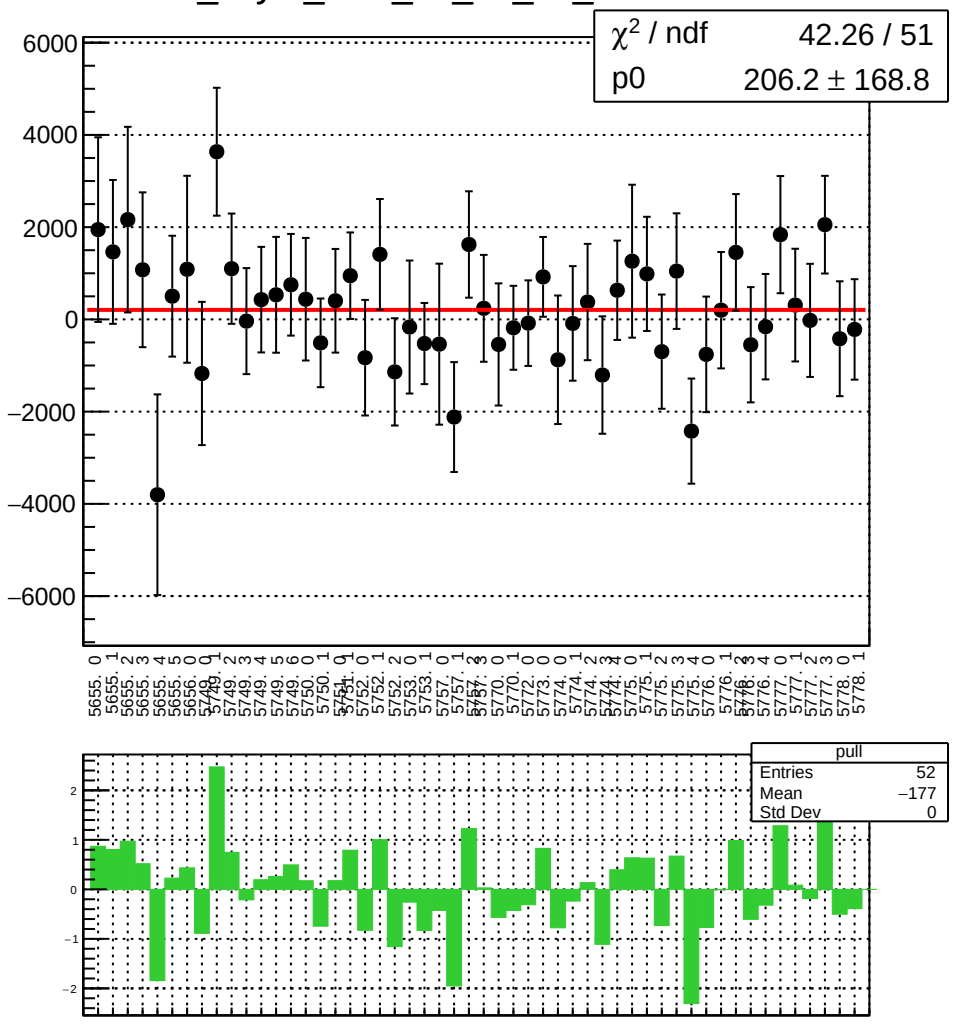
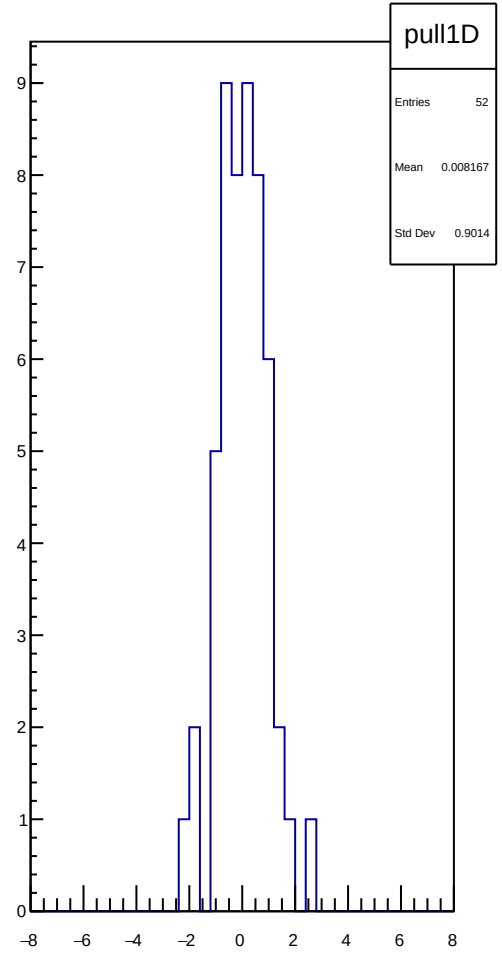
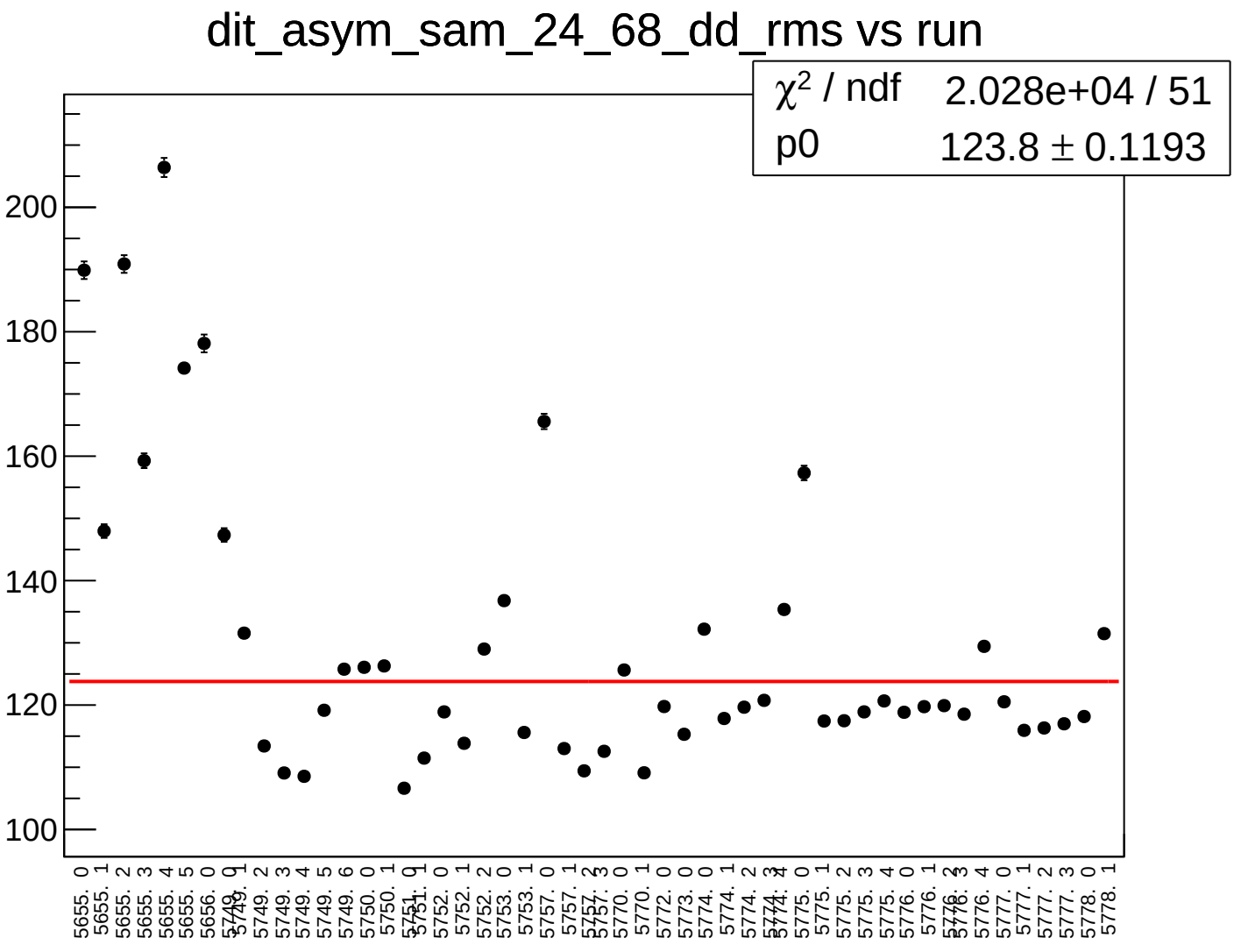
5778. 1


dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 42.26 / 51
p0 206.2 ± 168.8
pull
Entries 52
Mean −177
Std Dev 0


pull1D
Entries 52
Mean 0.008167
Std Dev 0.9014


dit_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 2.028e+04 / 51
p0 123.8 ± 0.1193
200
180
160
140
120
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5749. 6
5750. 0
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5751. 0
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5752. 2
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5774. 1
5774. 2
5774. 3
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5775. 1
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5775. 4
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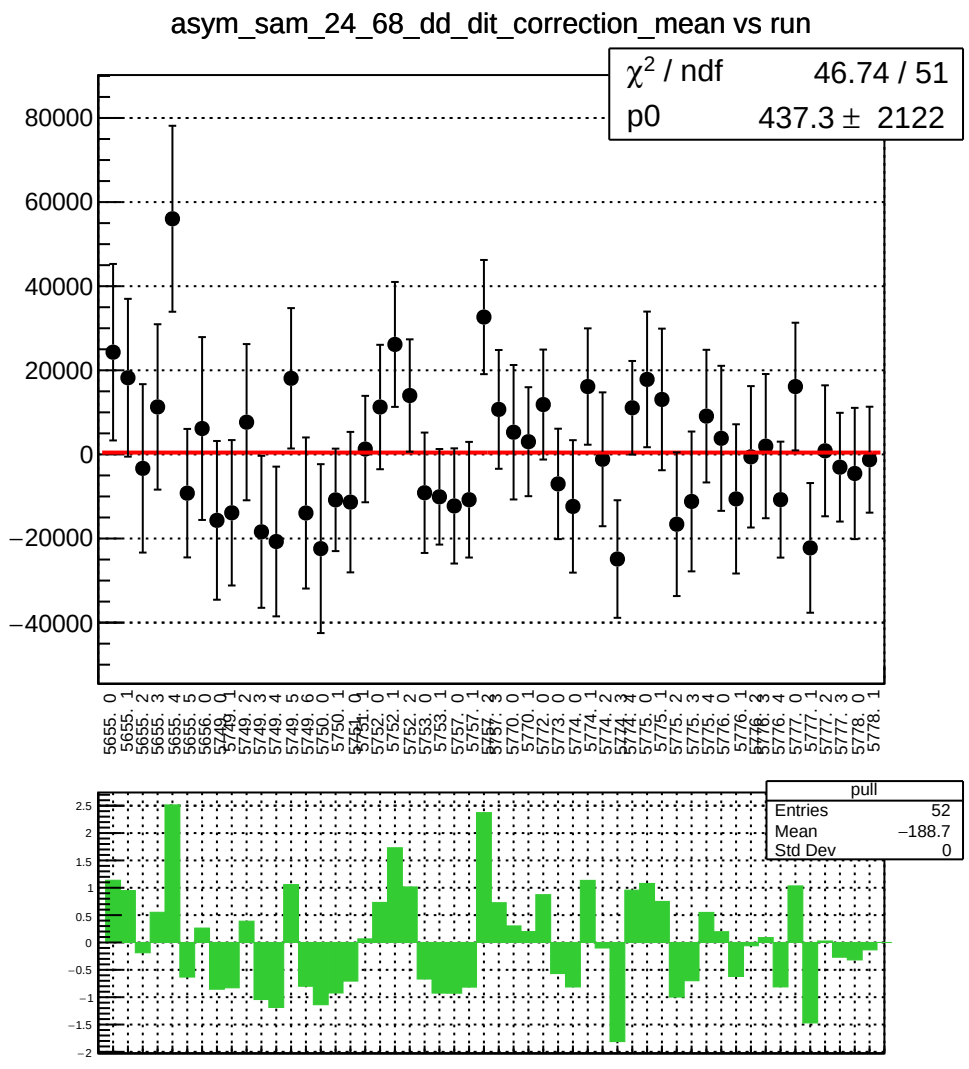
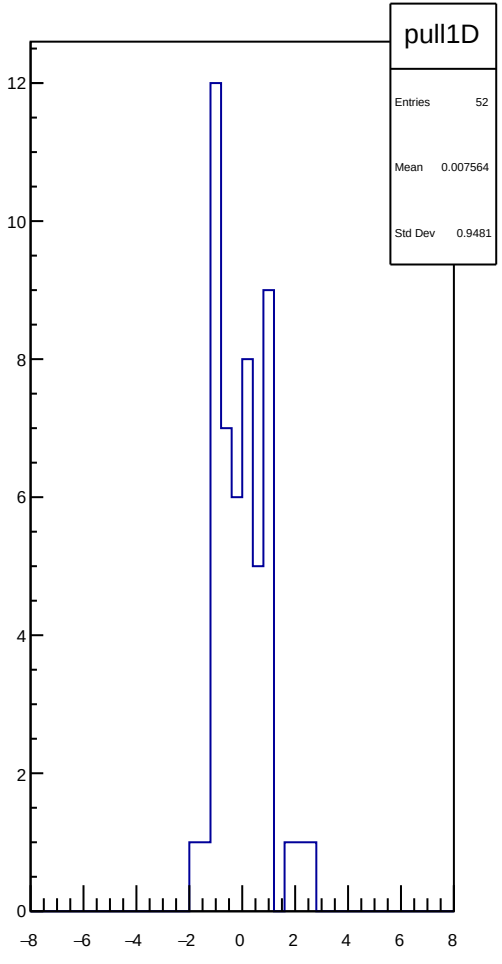
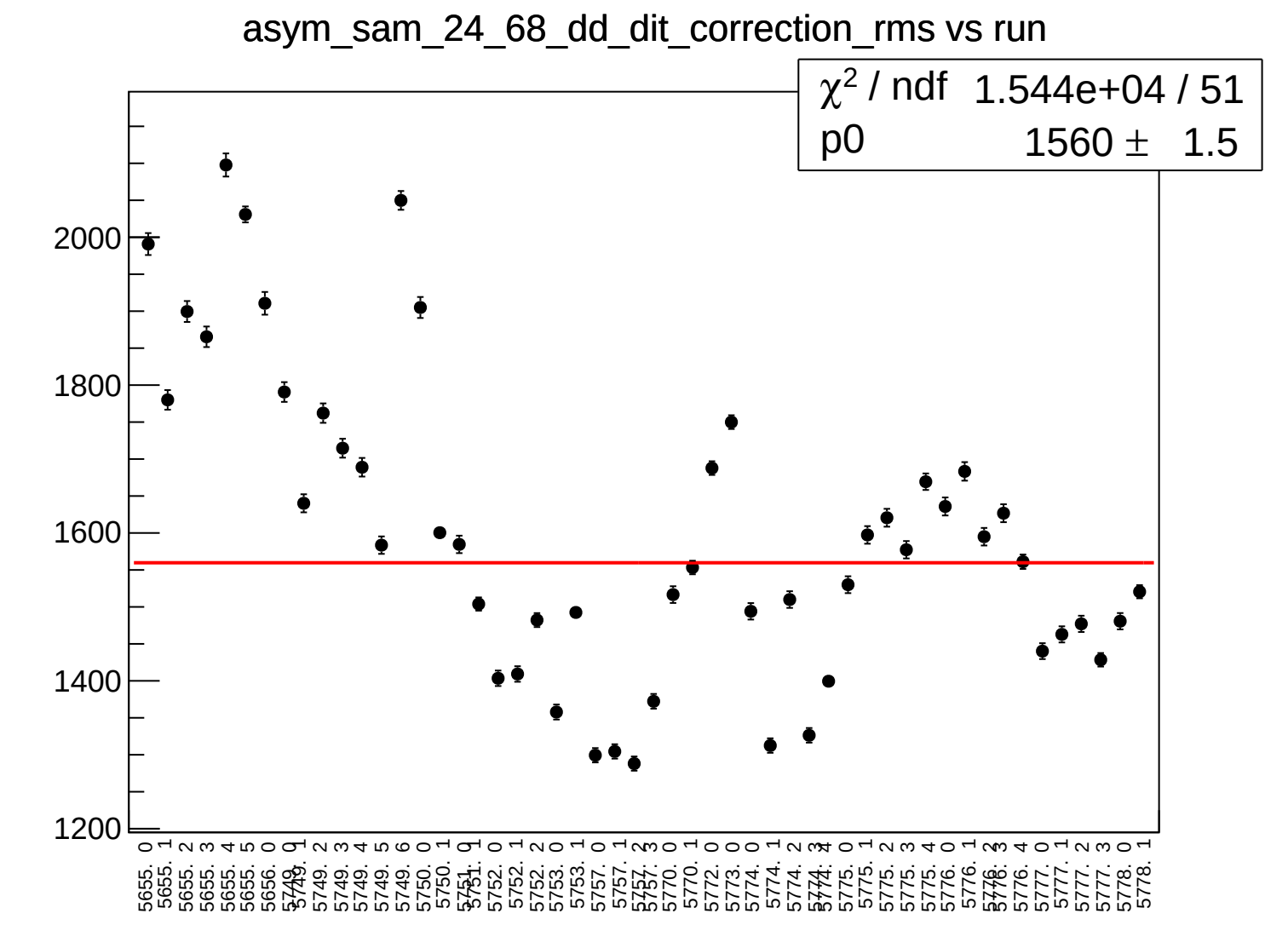
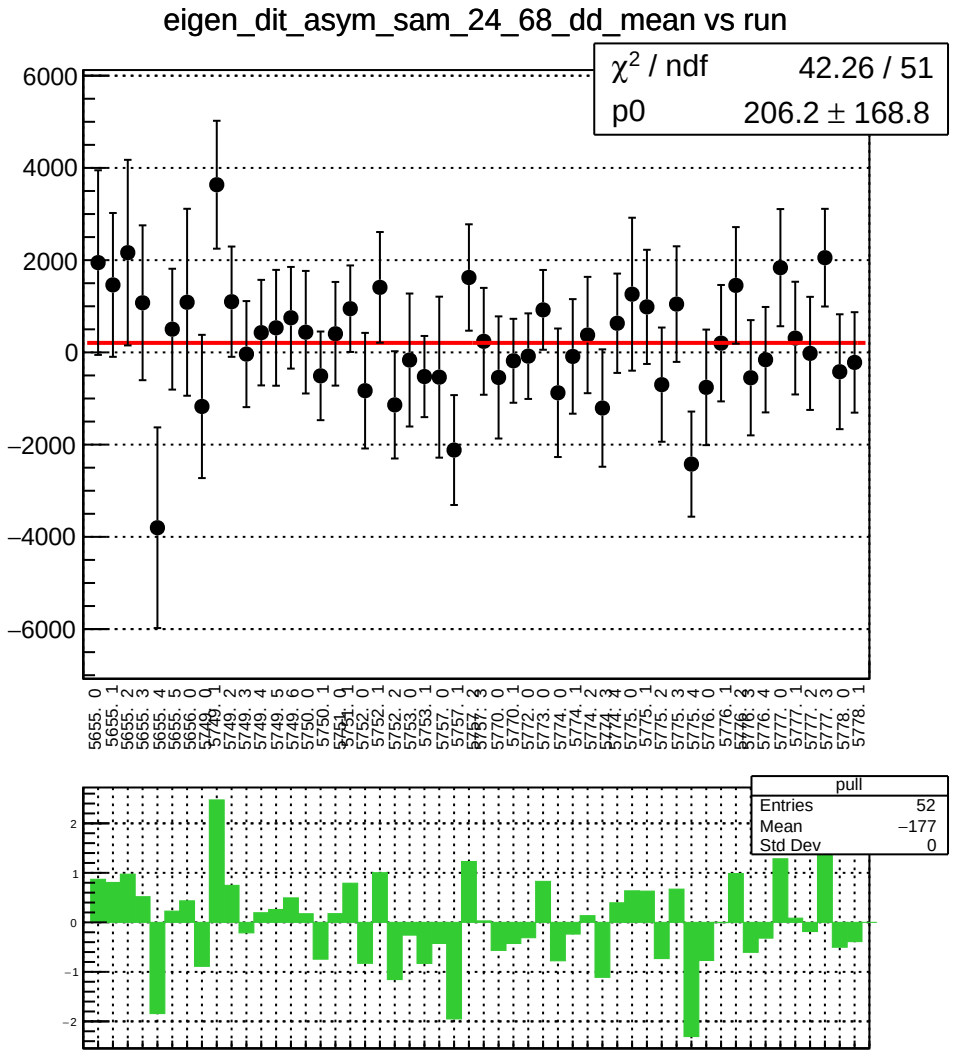
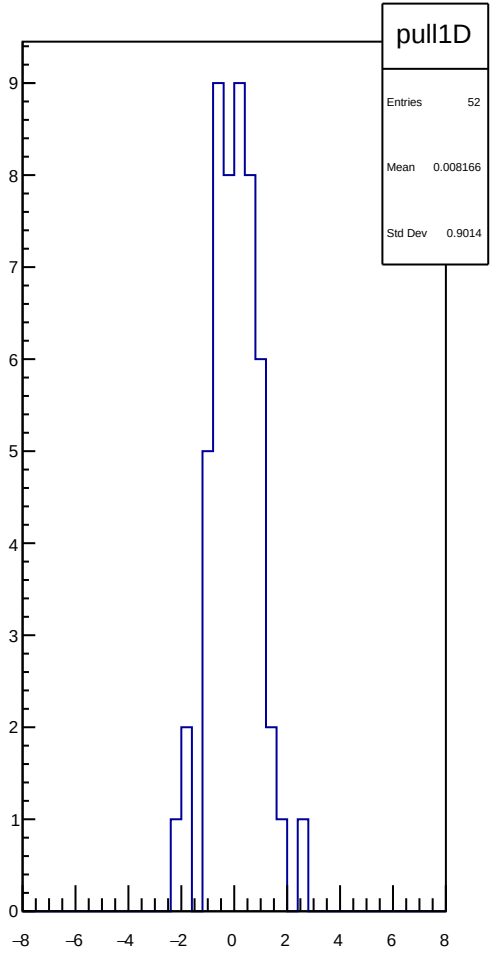
5778. 1

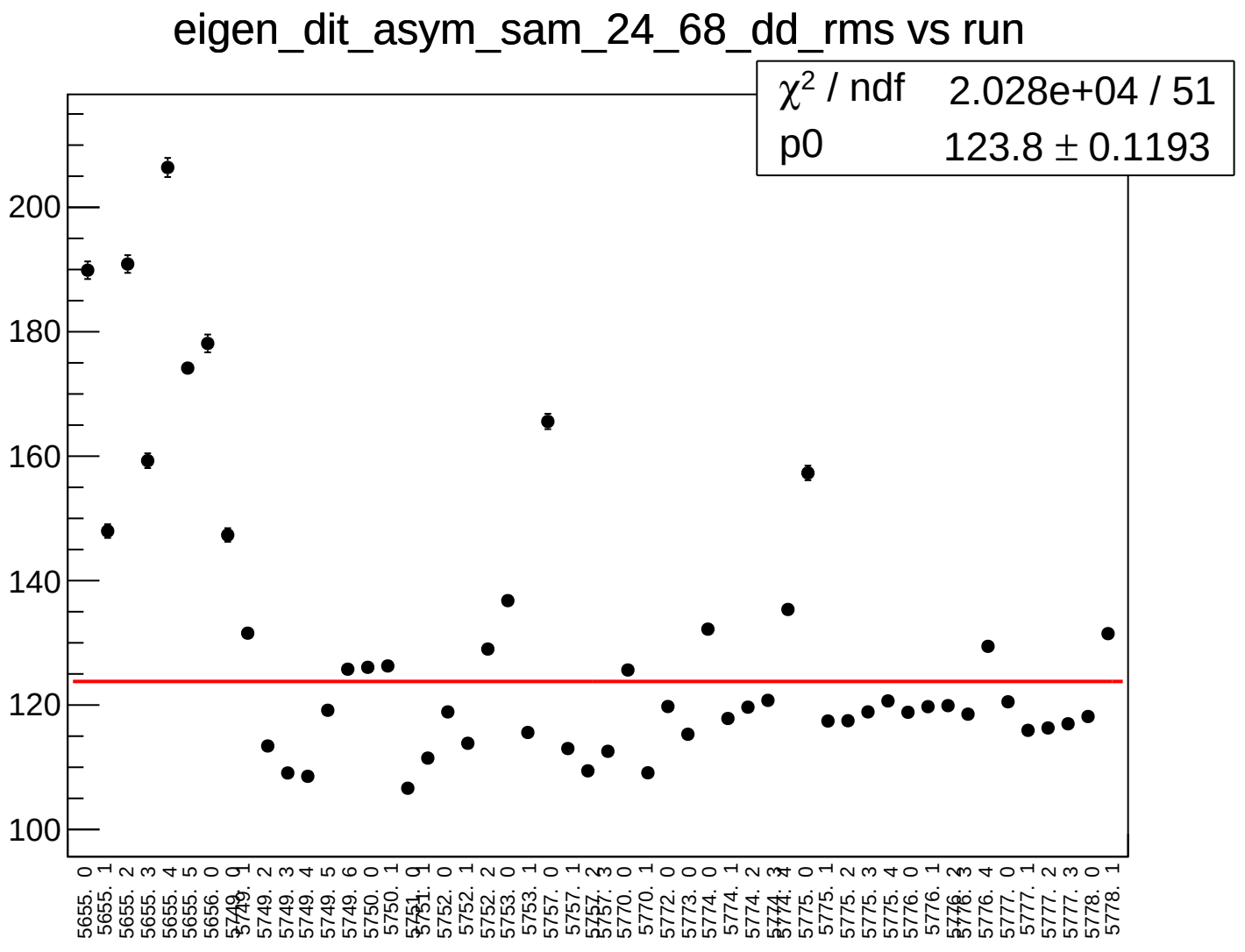

asym_sam_24_68_dd_dit_correction_mean vs run
χ² / ndf 46.74 / 51
p0 437.3 ± 2122
pull
Entries 52
Mean −188.7
Std Dev 0

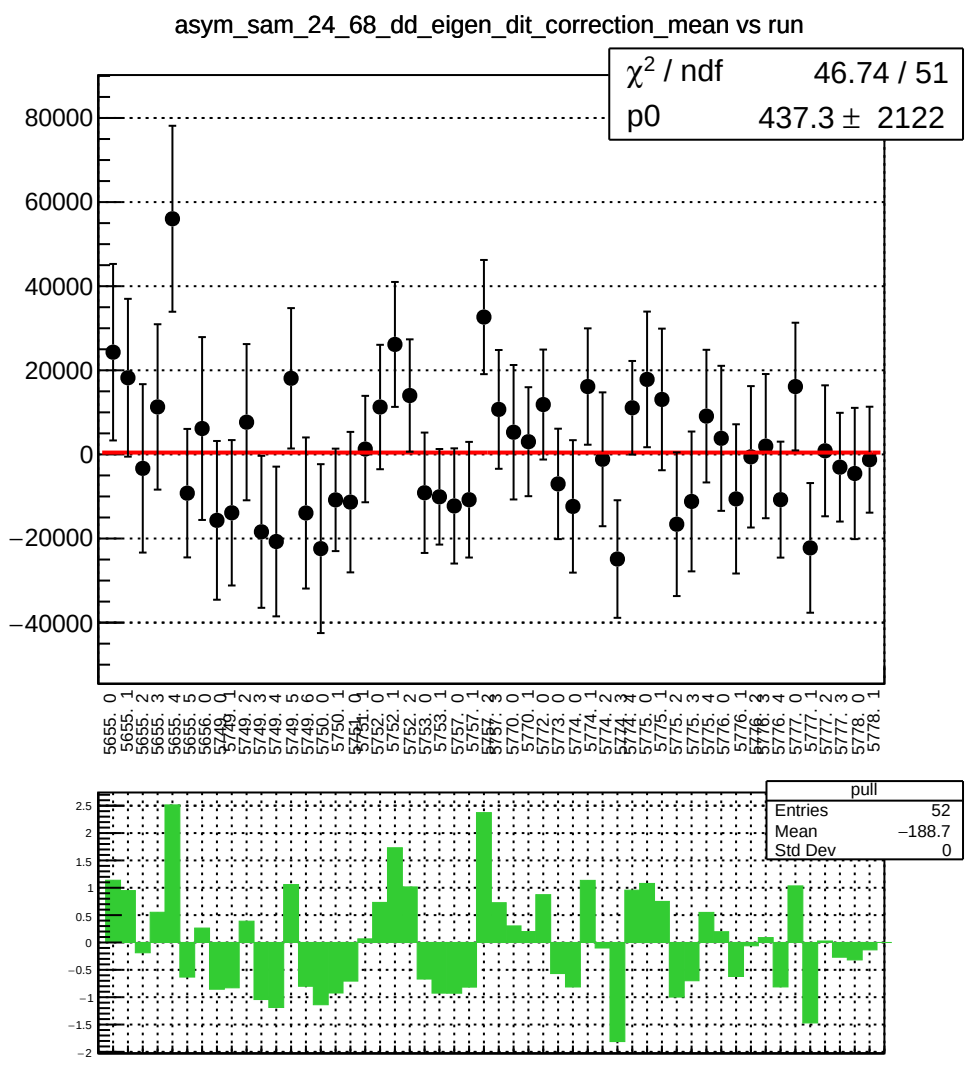

pull1D
Entries 52
Mean 0.007564
Std Dev 0.9481

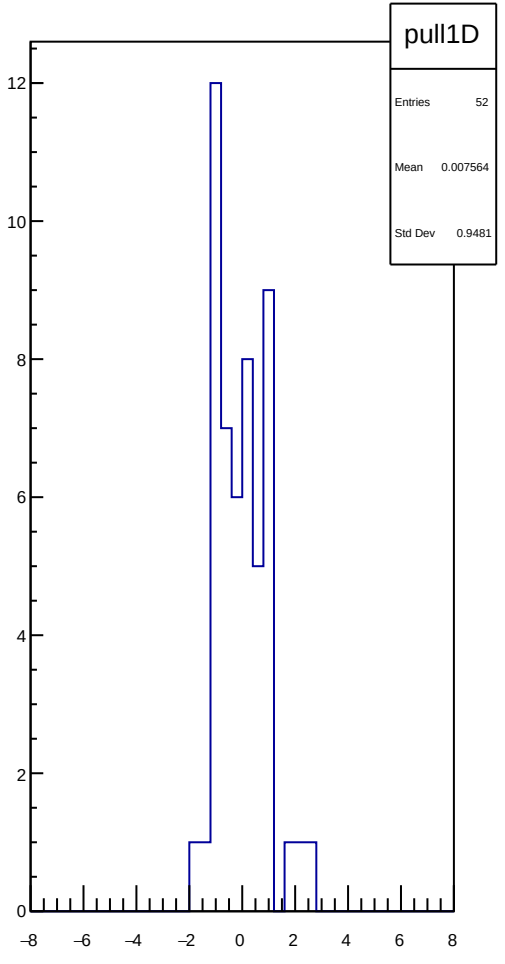

asym_sam_24_68_dd_dit_correction_rms vs run
χ² / ndf 1.544e+04 / 51
p0 1560 ± 1.5
2000
1800
1600
1400
1200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

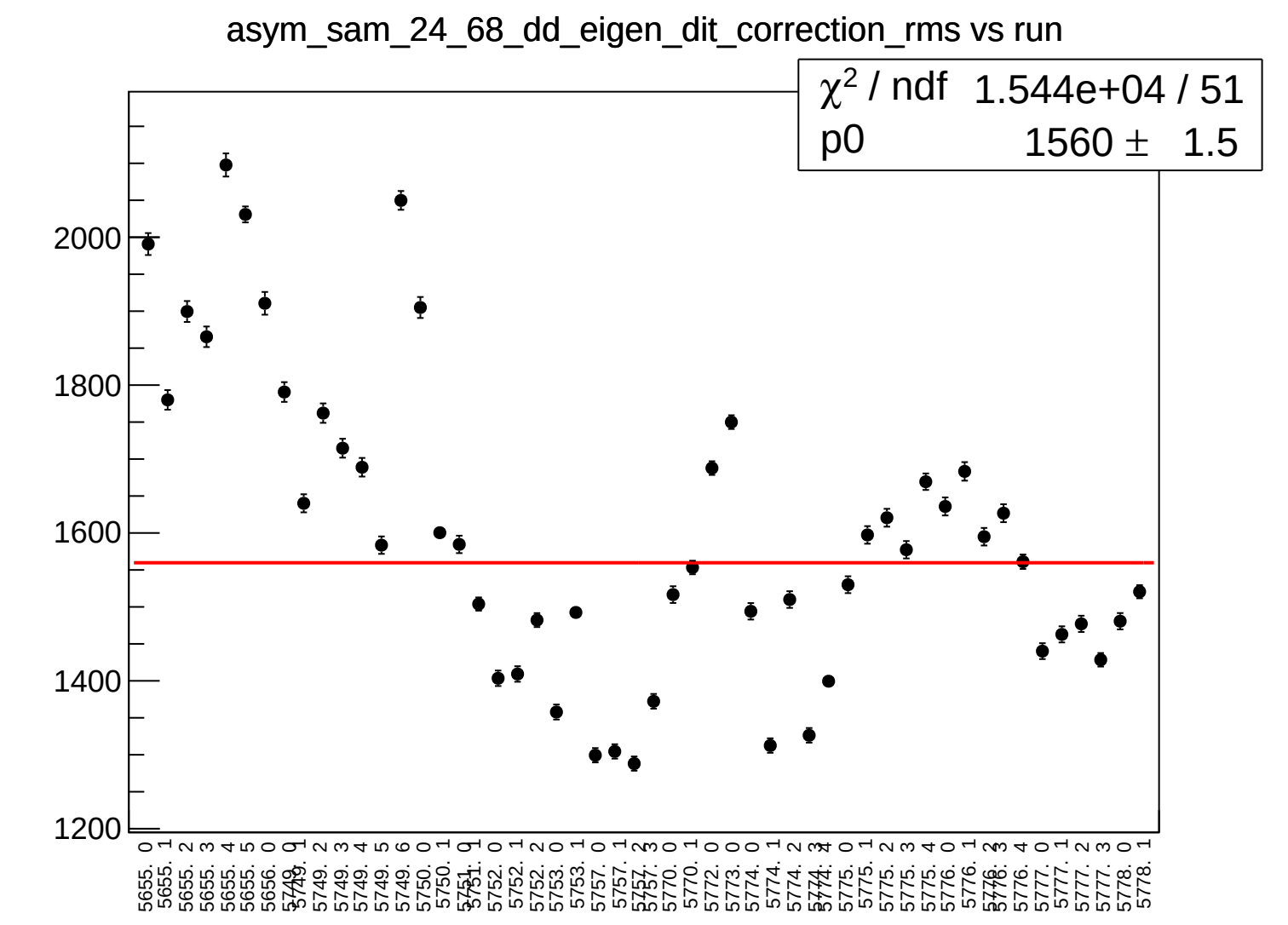

eigen_dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 42.26 / 51
p0 206.2 ± 168.8
pull
Entries 52
Mean −177
Std Dev 0

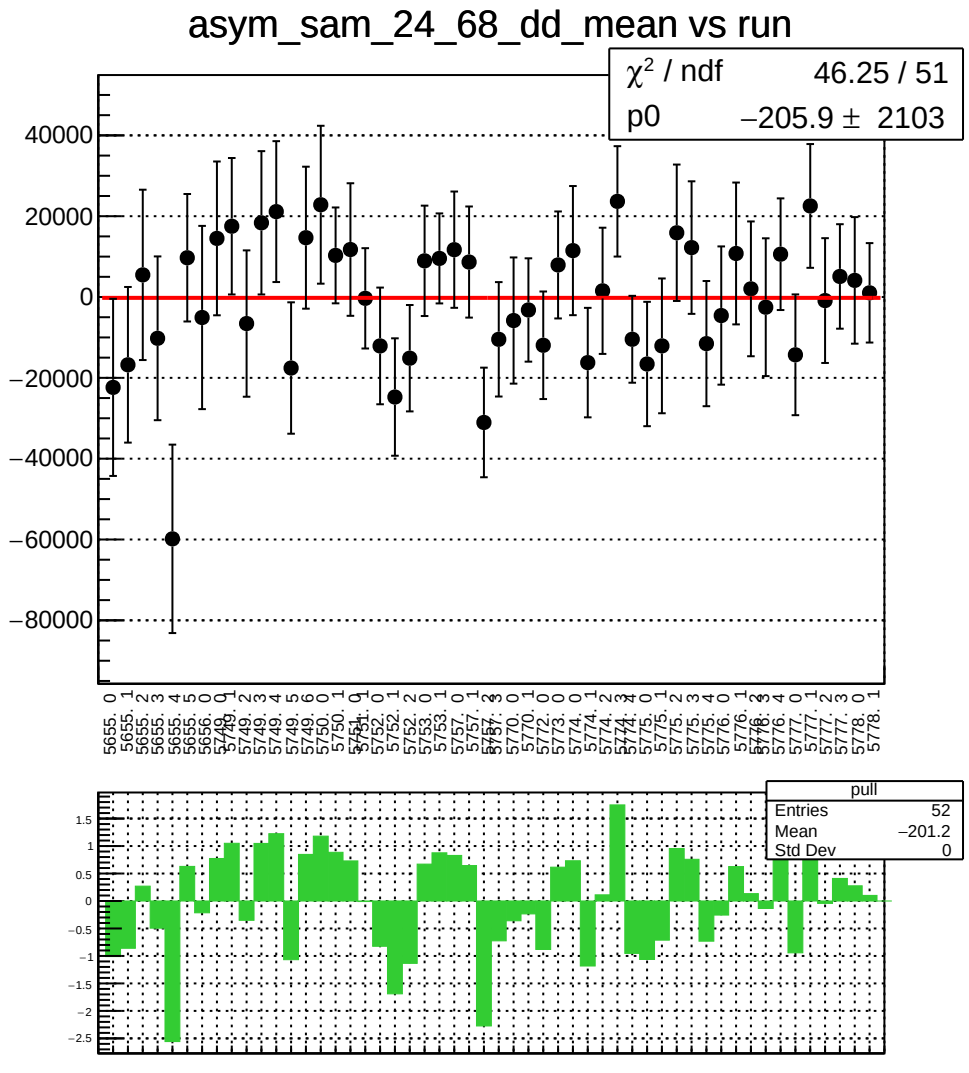

pull1D
Entries 52
Mean 0.008166
Std Dev 0.9014

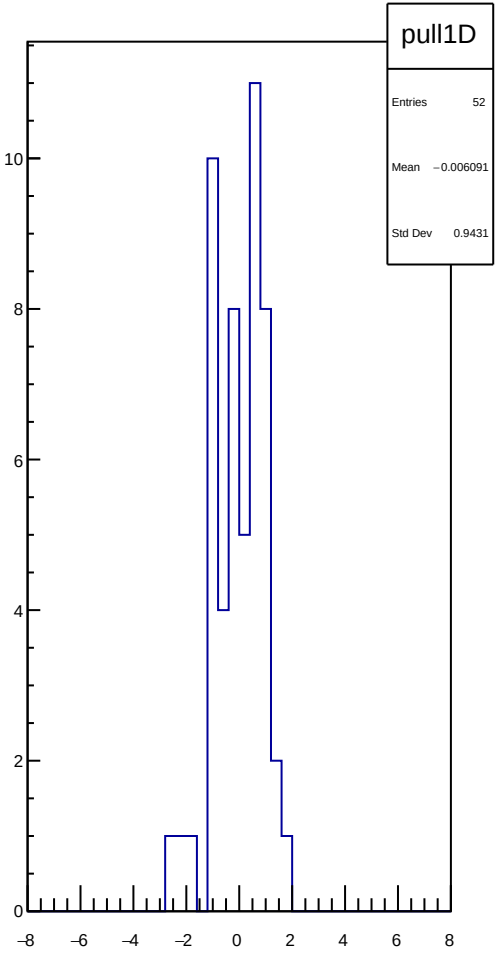

eigen_dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 2.028e+04 / 51
p0 123.8 ± 0.1193
200
180
160
140
120
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

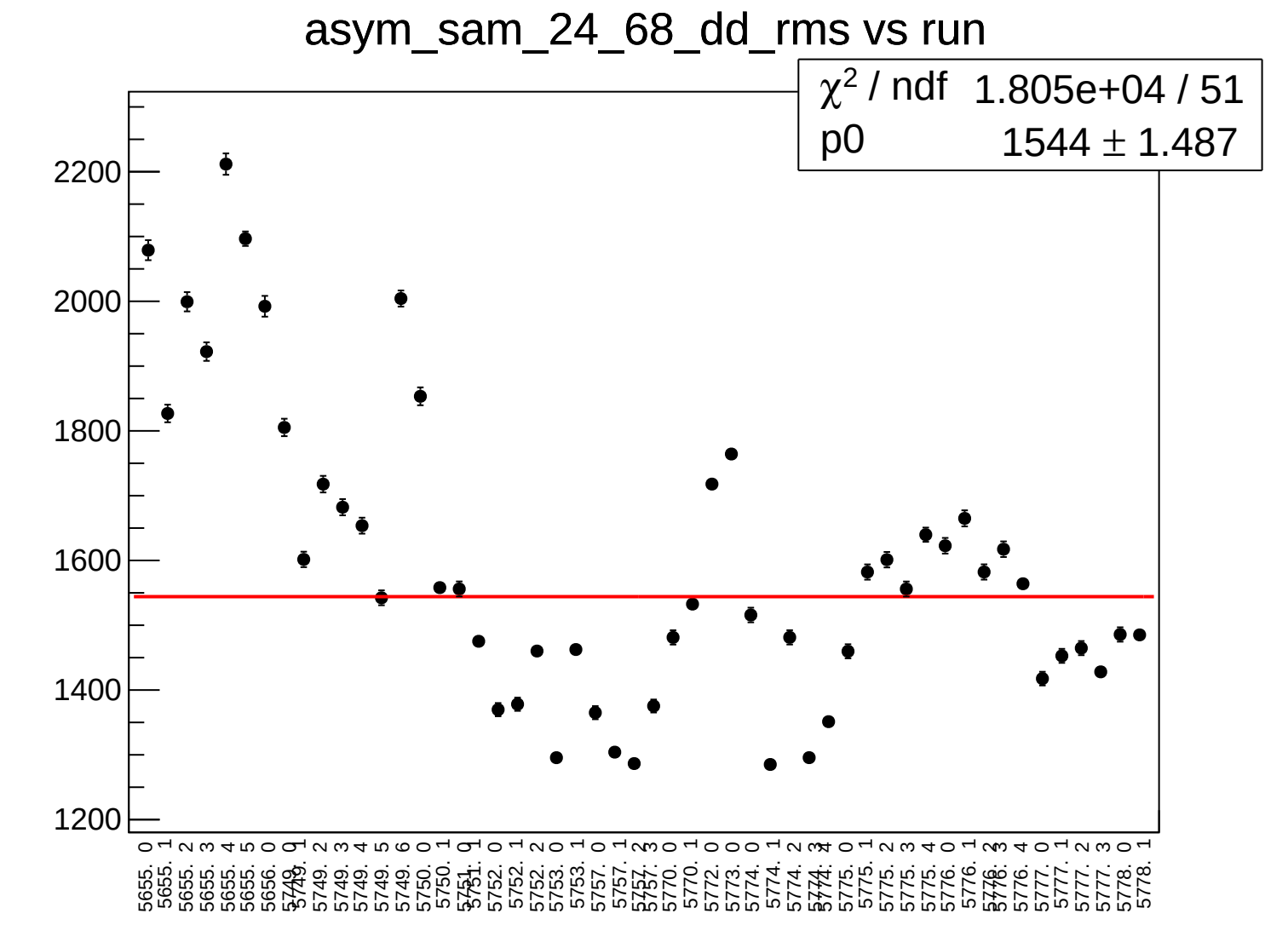

asym_sam_24_68_dd_eigen_dit_correction_mean vs run
χ² / ndf 46.74 / 51
p0 437.3 ± 2122
pull
Entries 52
Mean −188.7
Std Dev 0

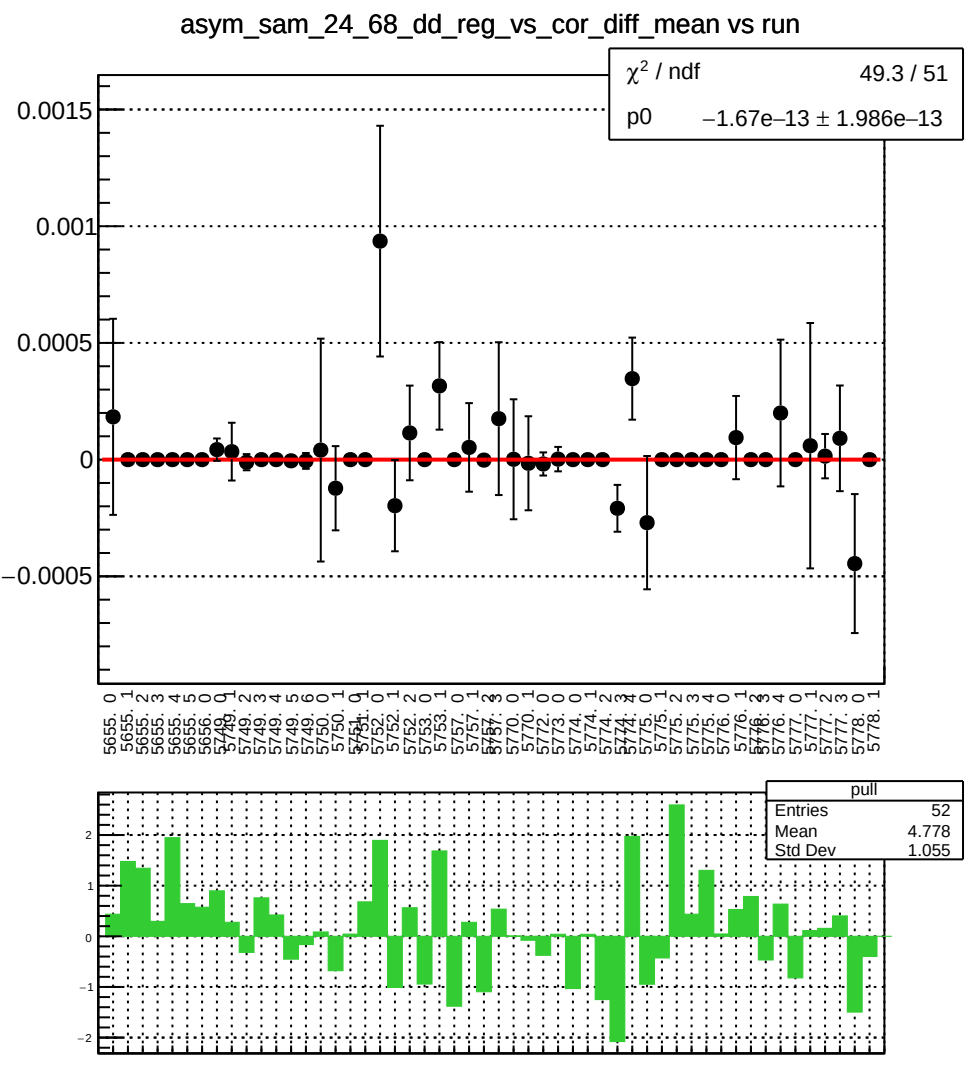

pull1D
Entries 52
Mean 0.007564
Std Dev 0.9481

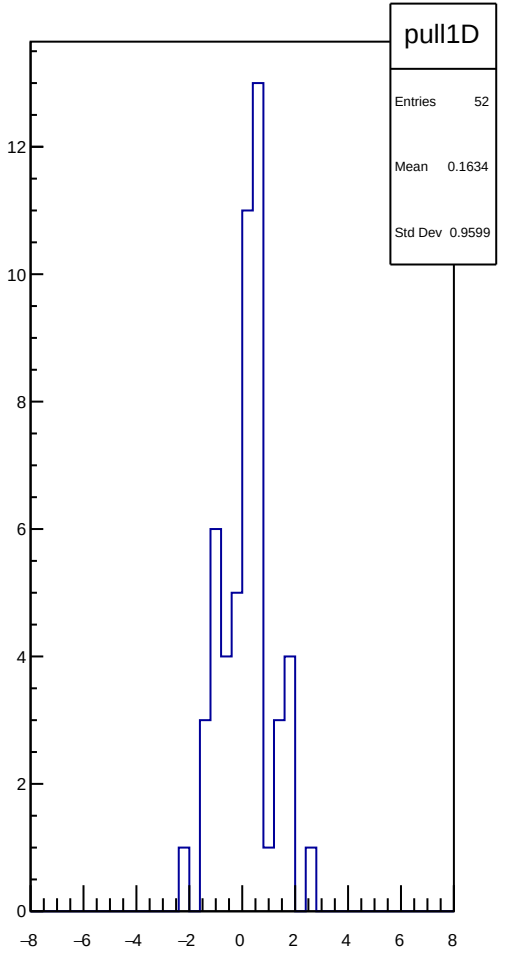

asym_sam_24_68_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.544e+04 / 51
p0 1560 ± 1.5
2000
1800
1600
1400
1200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

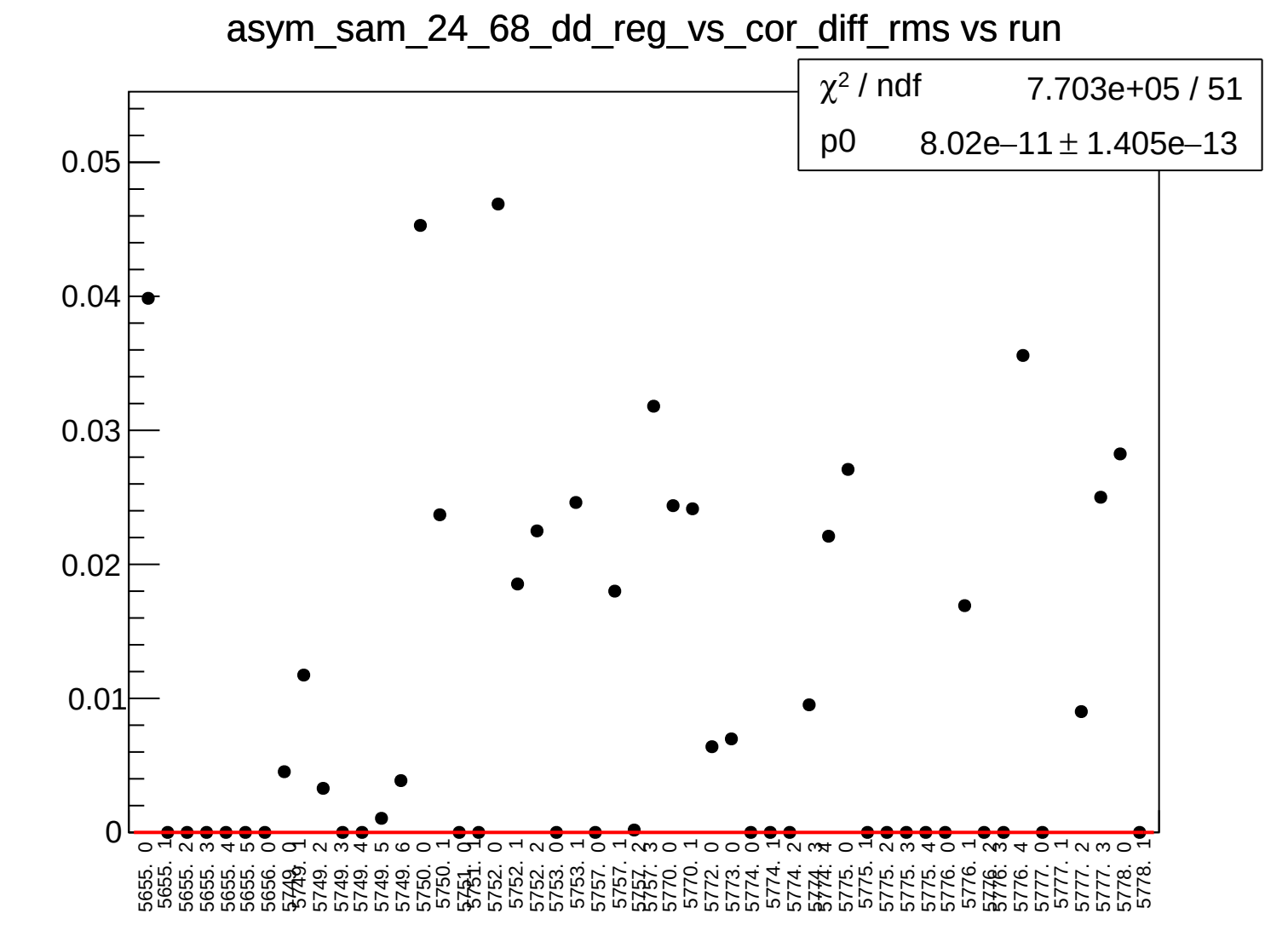

asym_sam_24_68_dd_mean vs run
χ² / ndf 46.25 / 51
p0 −205.9 ± 2103
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean −201.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

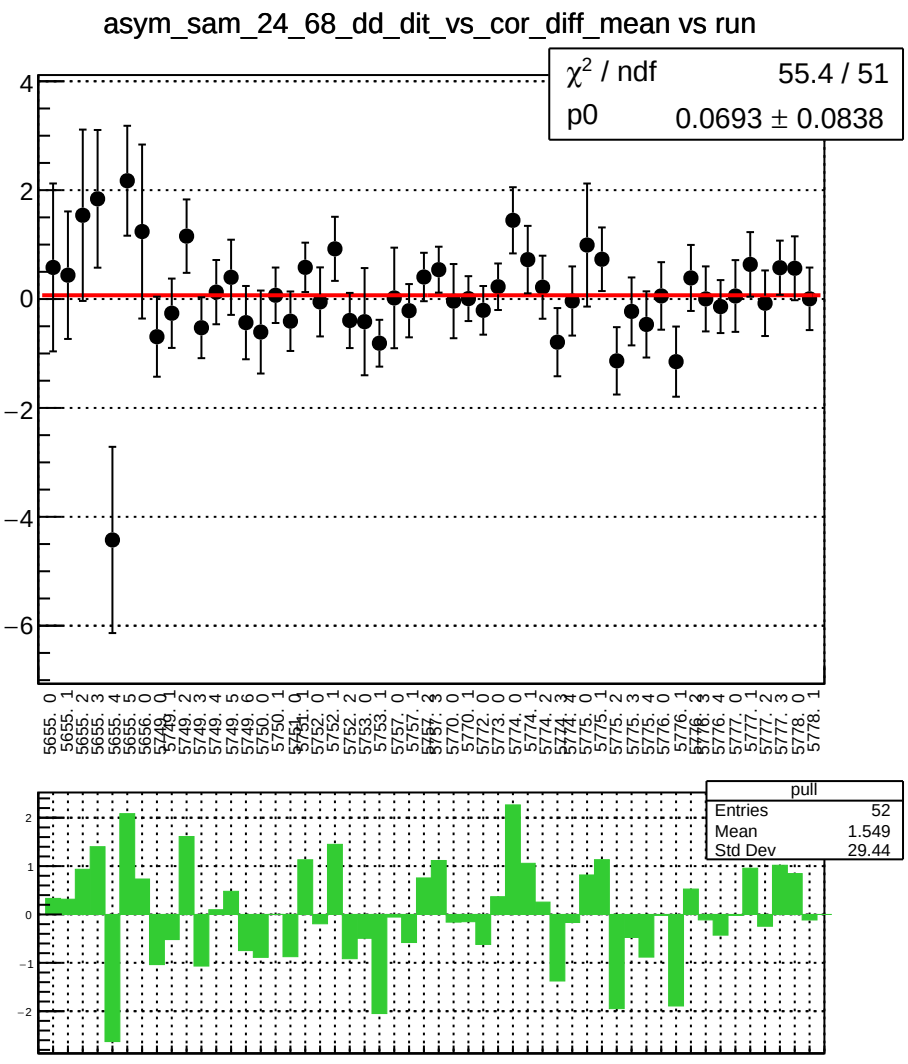

pull1D
Entries 52
Mean −0.006091
Std Dev 0.9431
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

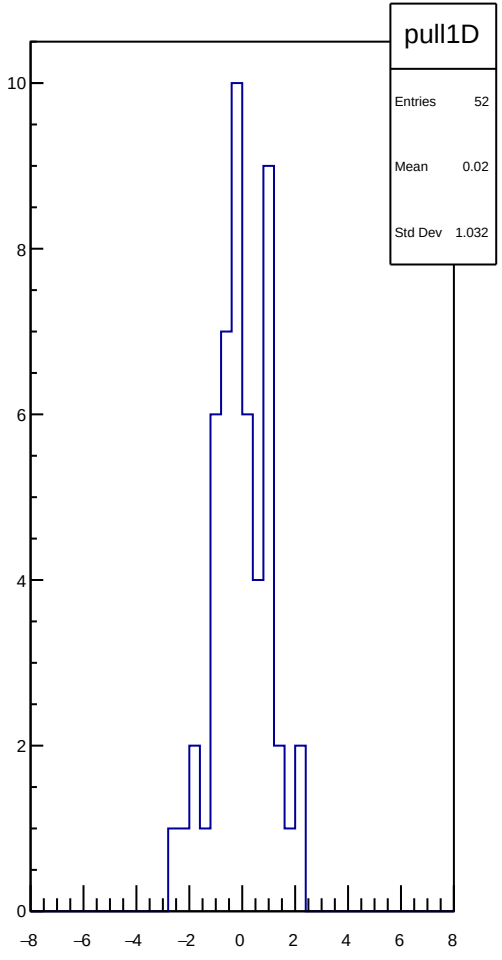

asym_sam_24_68_dd_rms vs run
χ^2 / ndf 1.805e+04 / 51
p0 1544 ± 1.487
2200
2000
1800
1600
1400
1200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

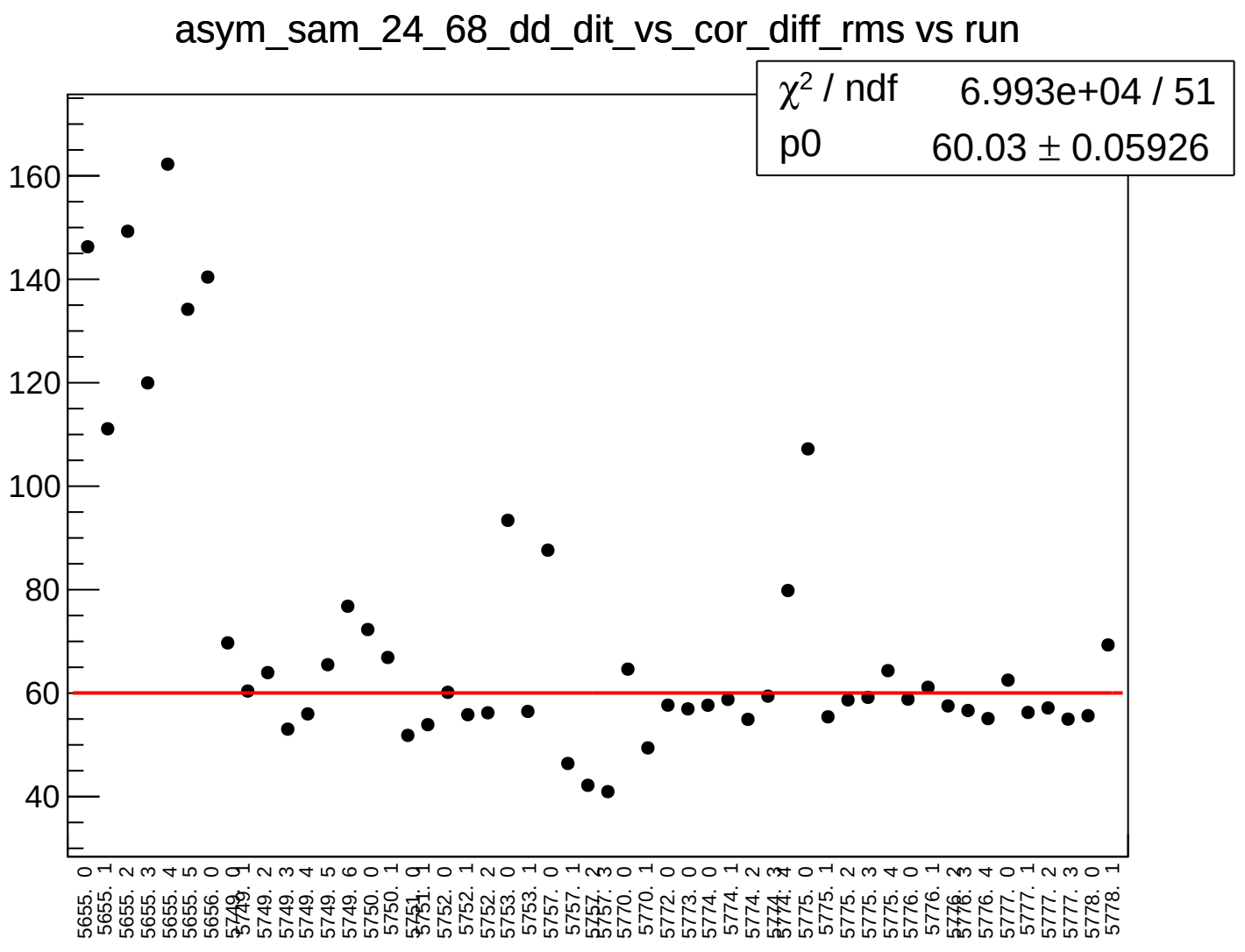

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 49.3 / 51
p0 −1.67e−13 ± 1.986e−13
0.0015
0.001
0.0005
0
−0.0005
pull
Entries 52
Mean 4.778
Std Dev 1.055
2
1
0
−1
−2

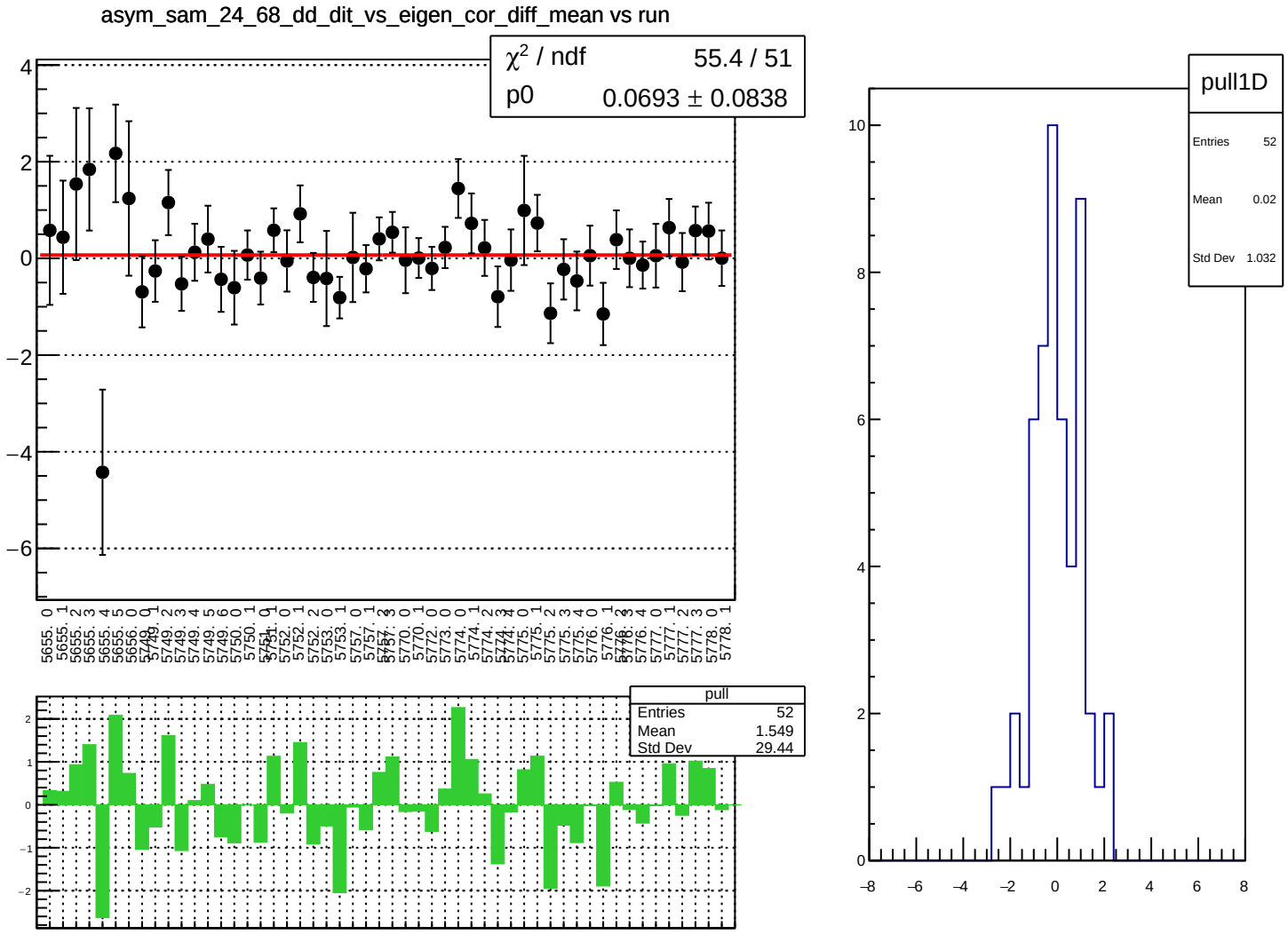

pull1D
Entries 52
Mean 0.1634
Std Dev 0.9599
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

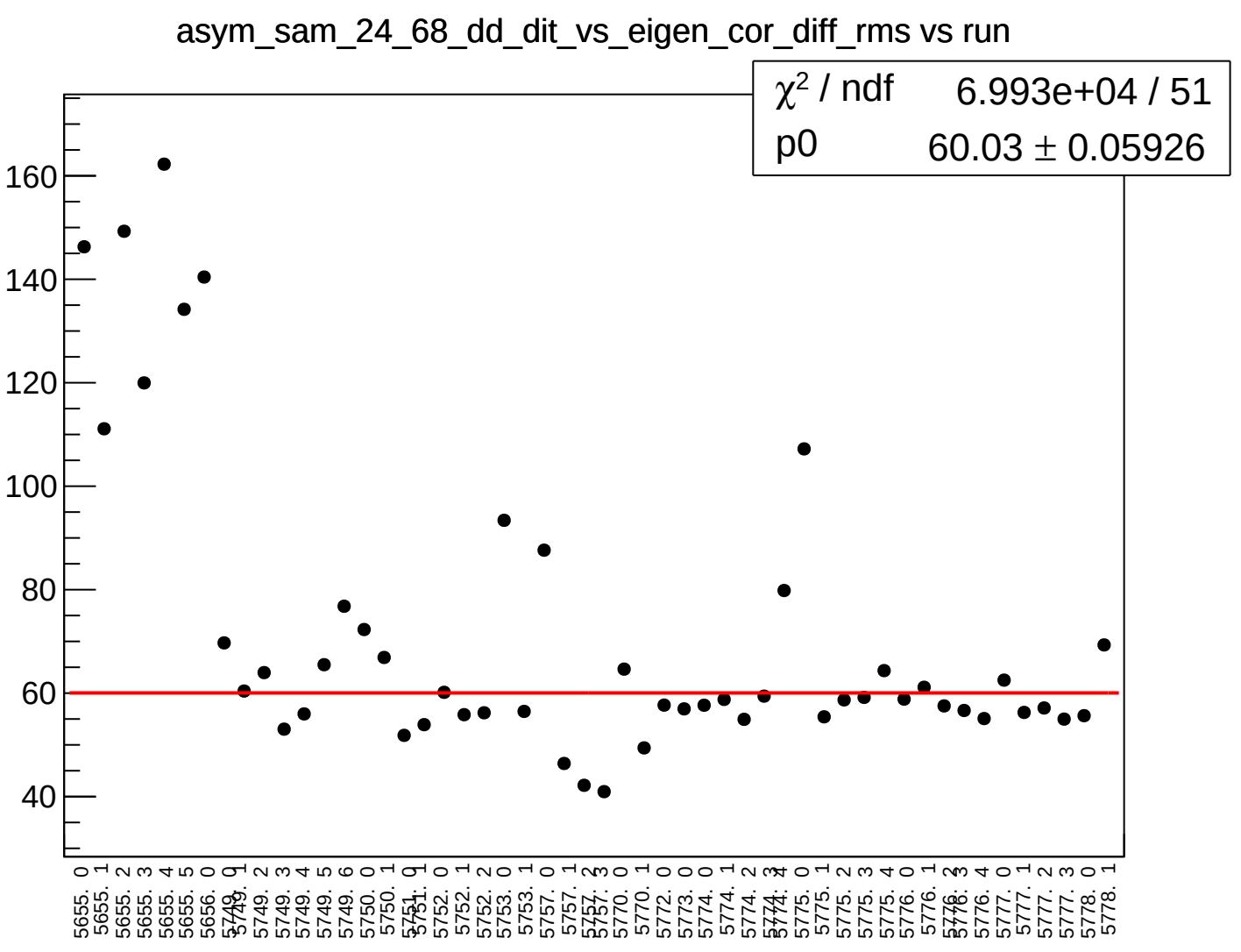

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.703e+05 / 51
p0 8.02e−11 ± 1.405e−13
0.05
0.04
0.03
0.02
0.01
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

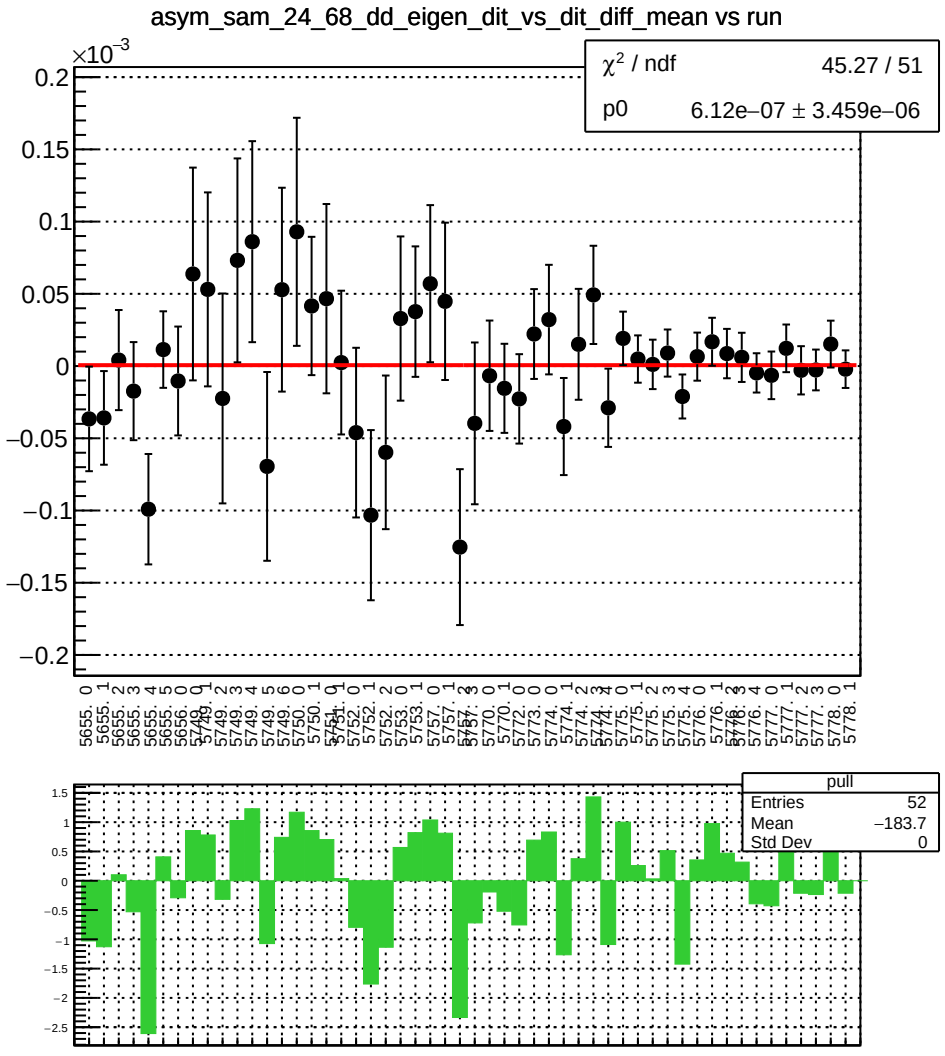

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 55.4 / 51
p0 0.0693 ± 0.0838
pull
Entries 52
Mean 1.549
Std Dev 29.44

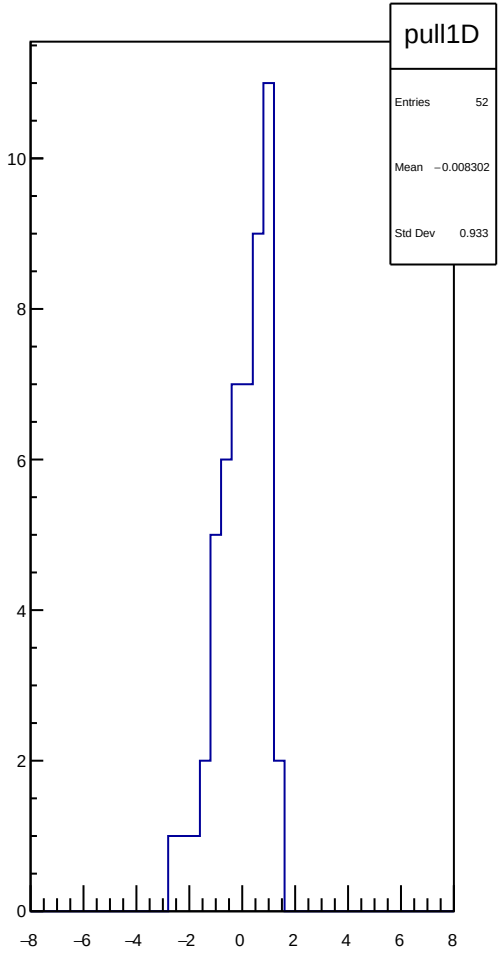

pull1D
Entries 52
Mean 0.02
Std Dev 1.032

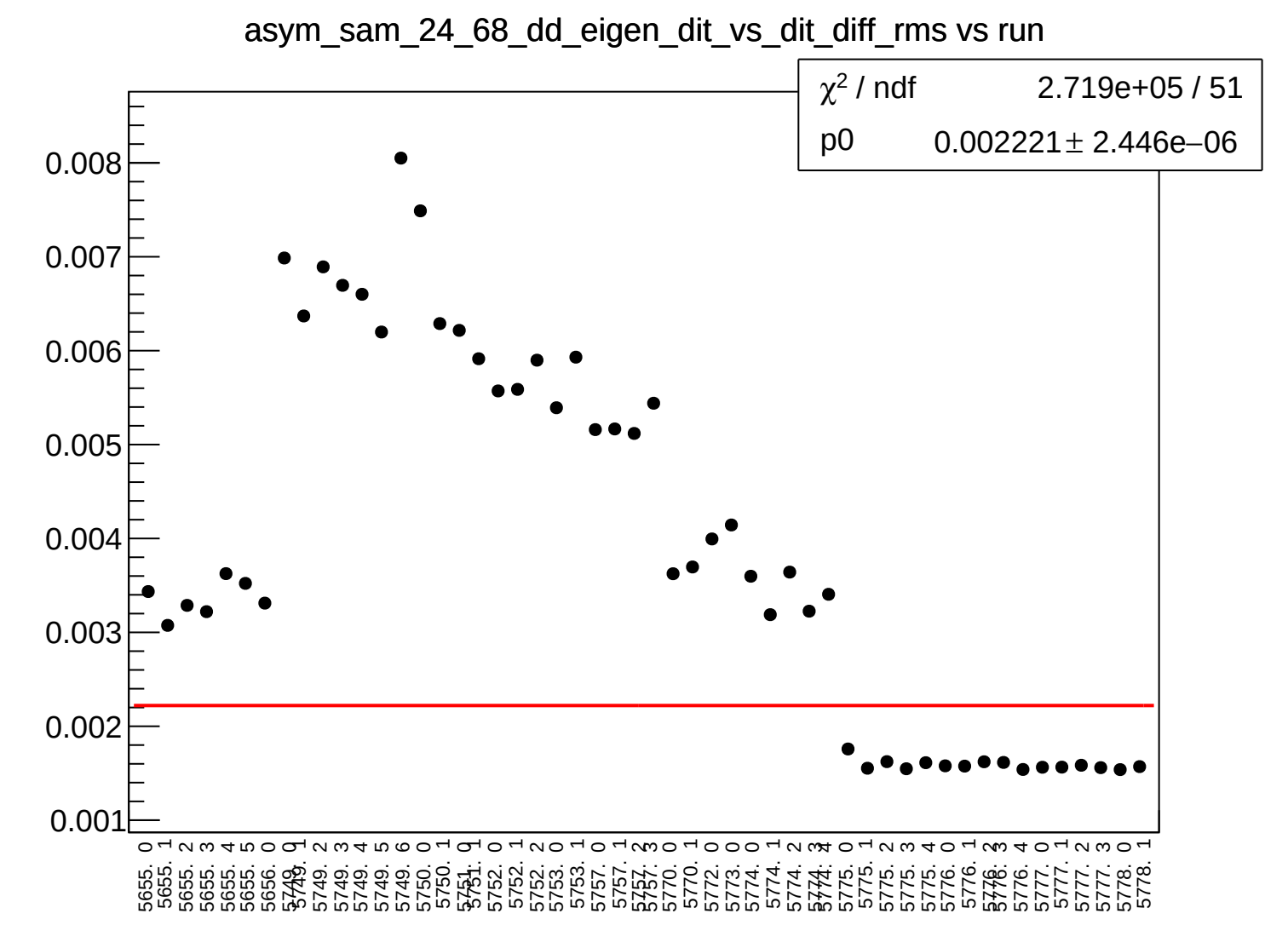

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.993e+04 / 51
p0 60.03 ± 0.05926
160
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

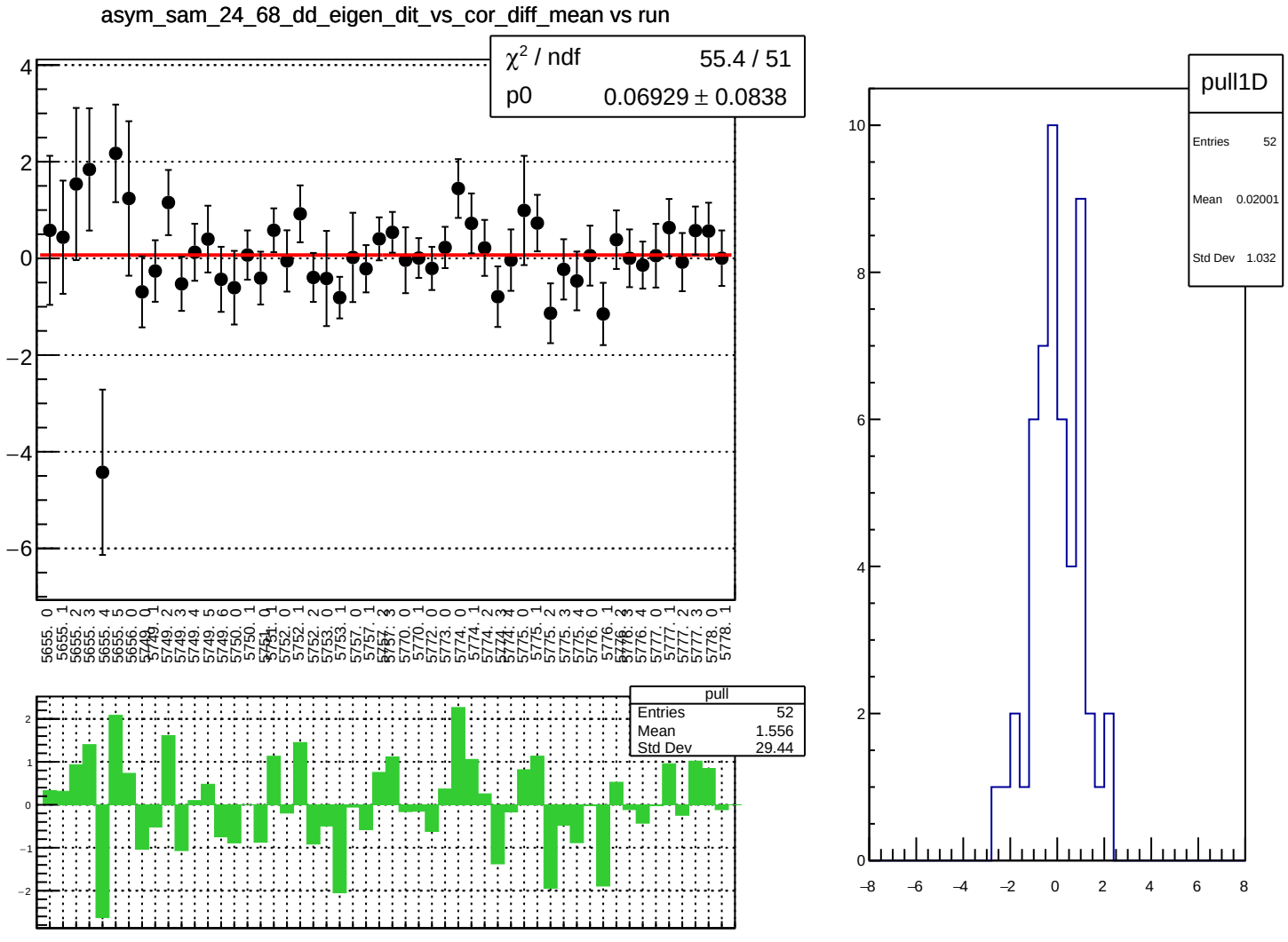

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.4 / 51
p0 0.0693 ± 0.0838
pull
Entries 52
Mean 1.549
Std Dev 29.44
pull1D
Entries 52
Mean 0.02
Std Dev 1.032

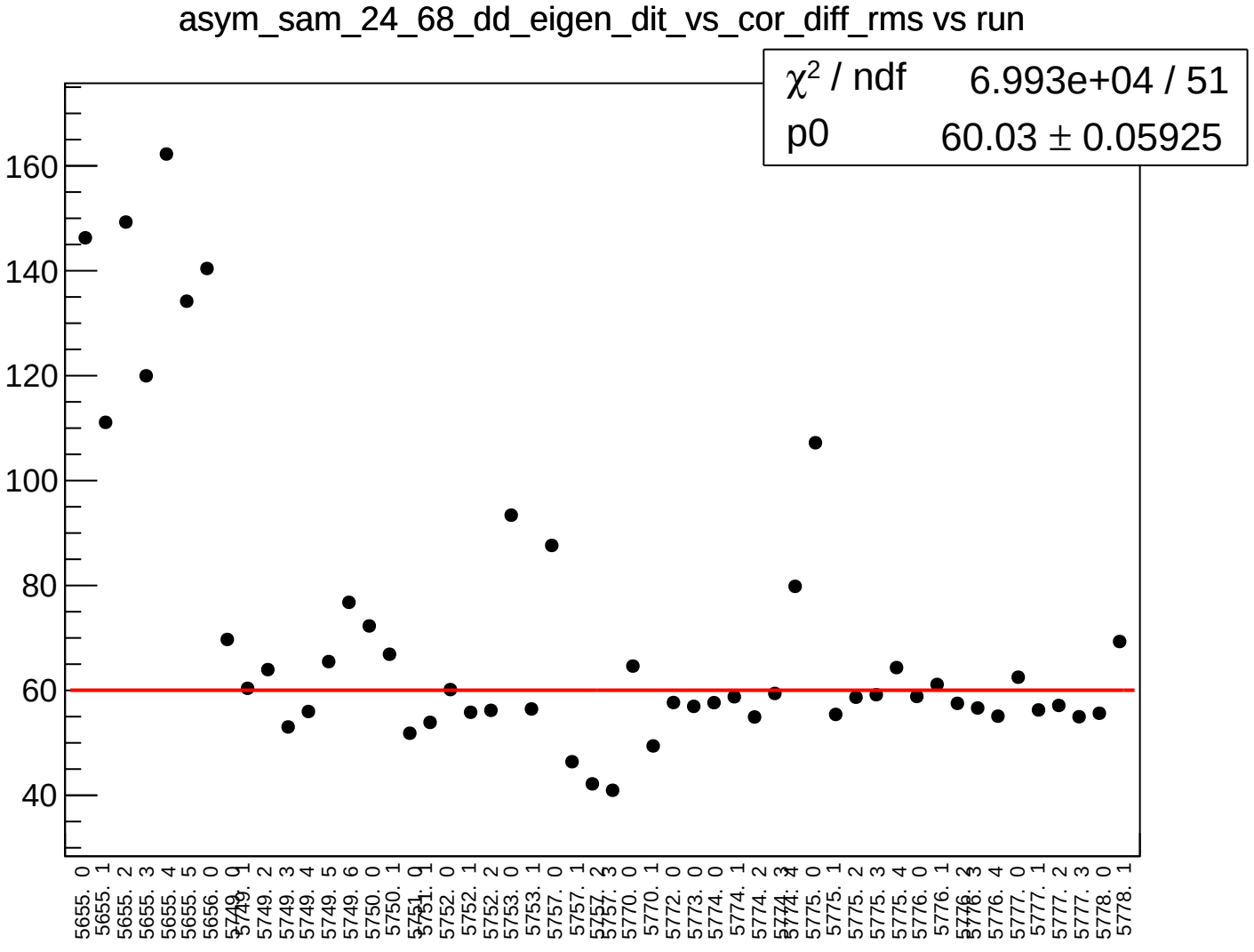

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.993e+04 / 51
p0 60.03 ± 0.05926
160
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

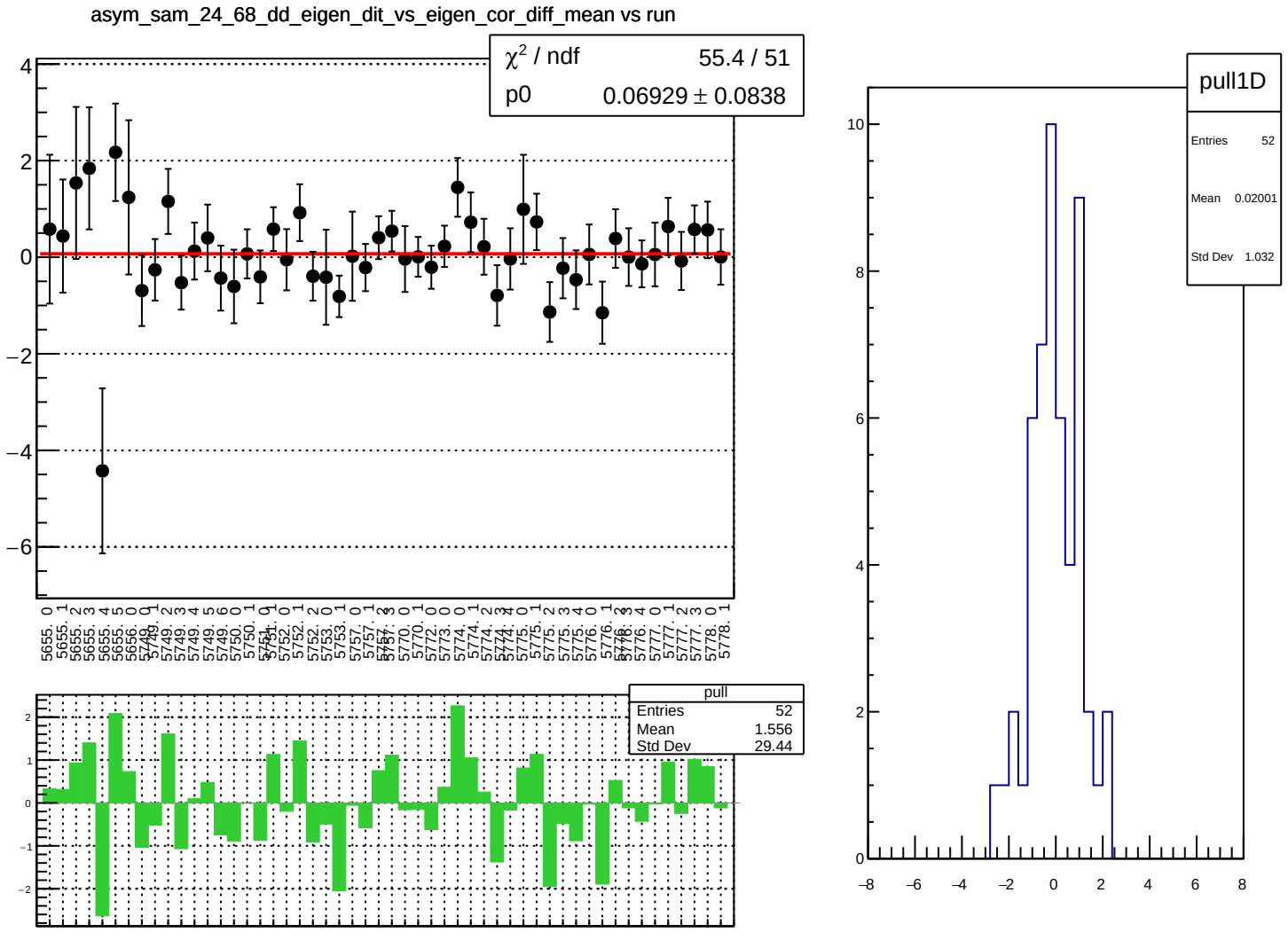

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 45.27 / 51
p0 6.12e−07 ± 3.459e−06
pull
Entries 52
Mean −183.7
Std Dev 0

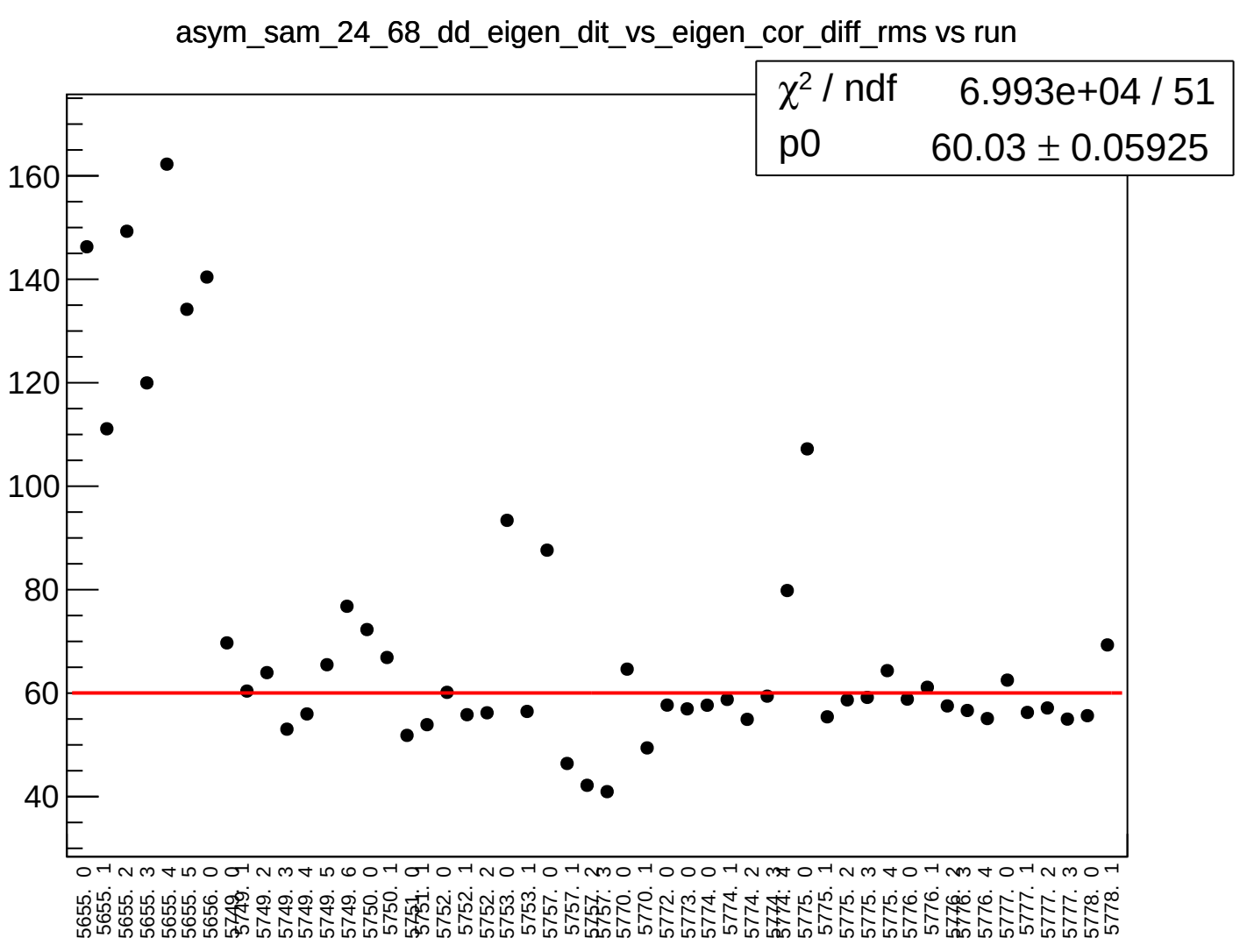

pull1D
Entries 52
Mean −0.008302
Std Dev 0.933

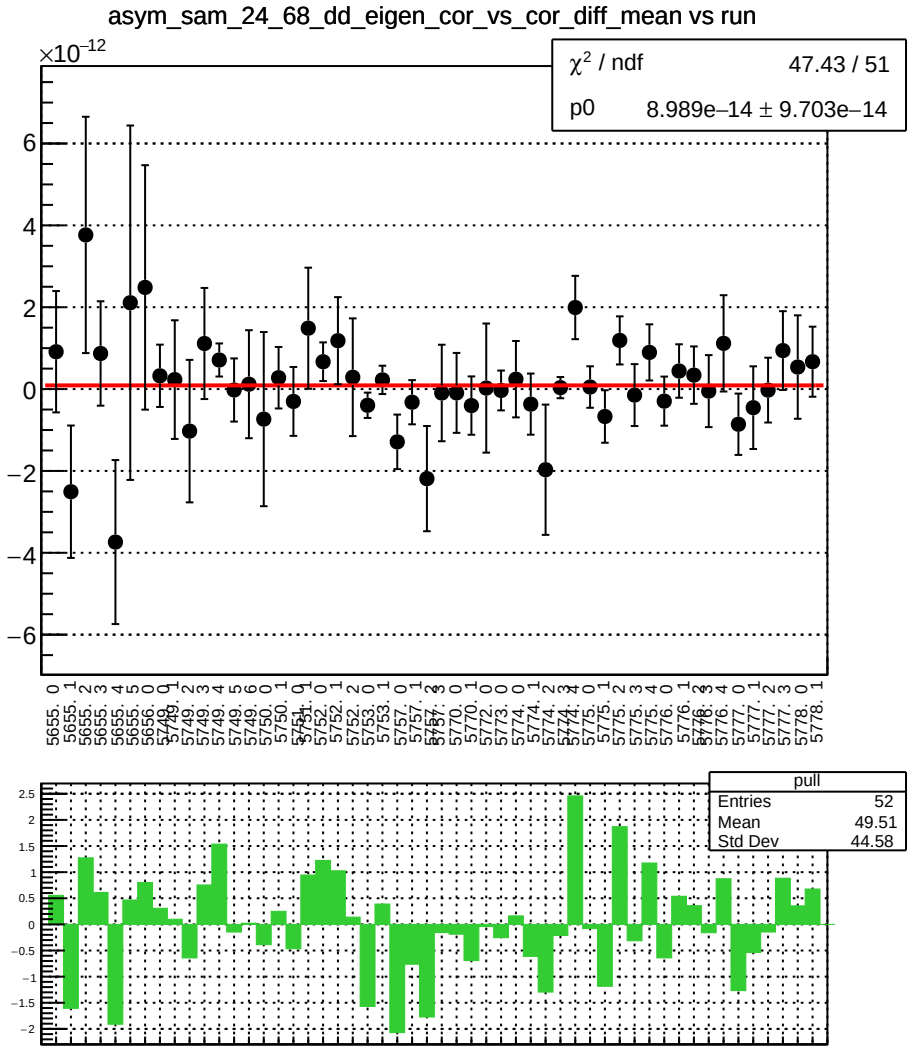

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.719e+05 / 51
p0 0.002221 ± 2.446e−06
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

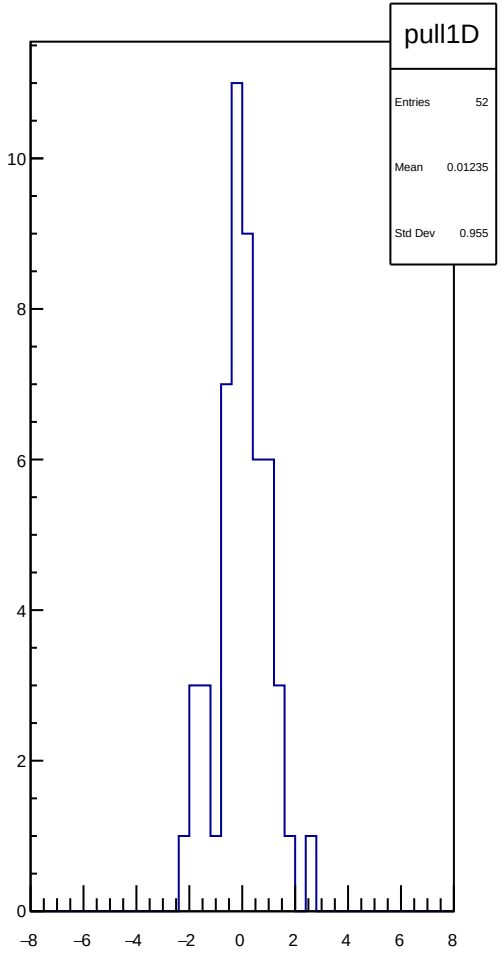

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.4 / 51
p0 0.06929 ± 0.0838
pull
Entries 52
Mean 1.556
Std Dev 29.44
pull1D
Entries 52
Mean 0.02001
Std Dev 1.032

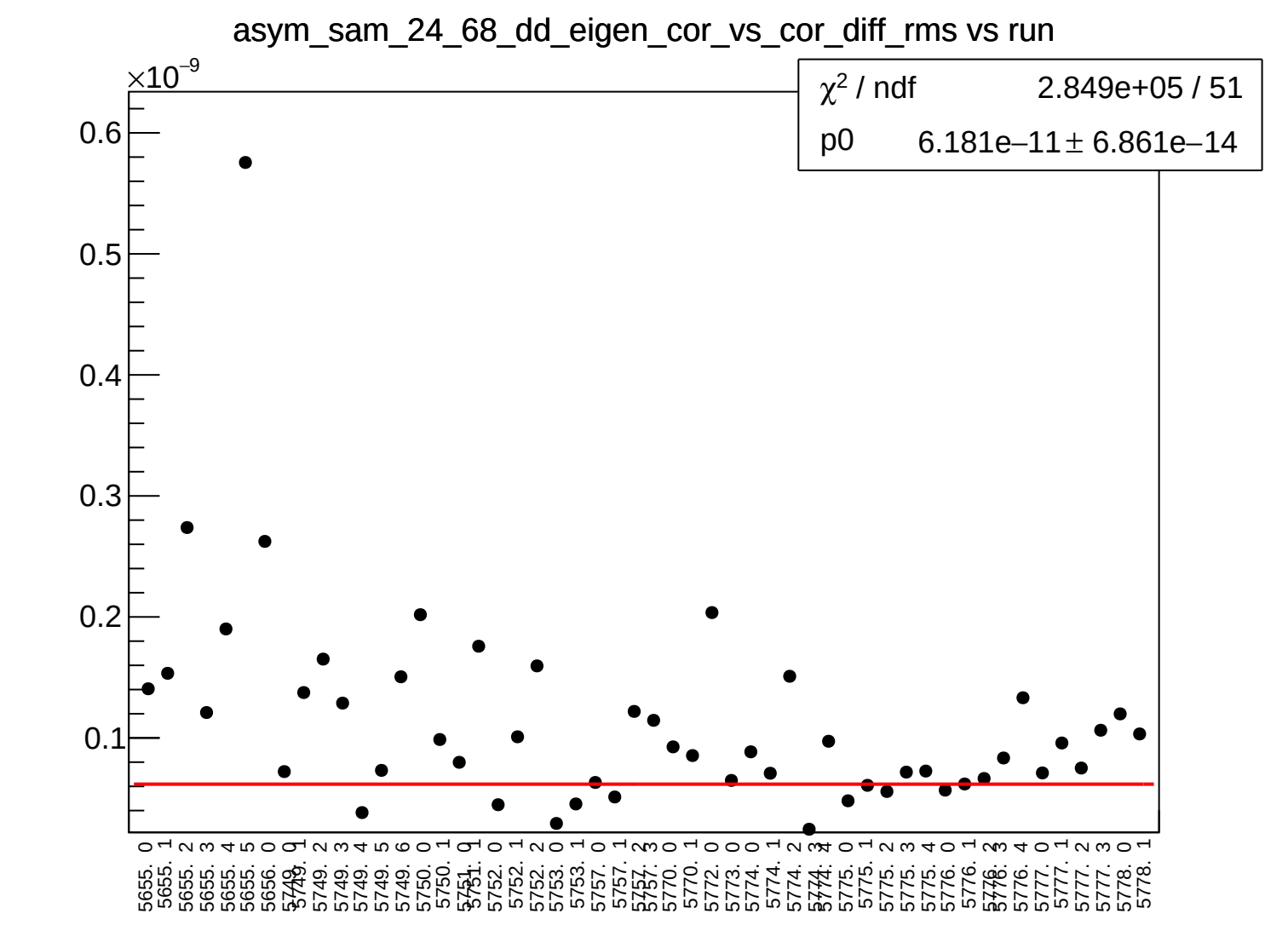

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.993e+04 / 51
p0 60.03 ± 0.05925
160
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.4 / 51
p0 0.06929 ± 0.0838
pull
Entries 52
Mean 1.556
Std Dev 29.44
pull1D
Entries 52
Mean 0.02001
Std Dev 1.032


asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.993e+04 / 51
p0 60.03 ± 0.05925
160
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.43 / 51
p0 8.989e−14 ± 9.703e−14
pull
Entries 52
Mean 49.51
Std Dev 44.58


pull1D
Entries 52
Mean 0.01235
Std Dev 0.955


asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.849e+05 / 51
p0 6.181e−11 ± 6.861e−14
0.6
0.5
0.4
0.3
0.2
0.1
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
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5775. 2
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5775. 4
5776. 0
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5776. 3
5776. 4
5777. 0
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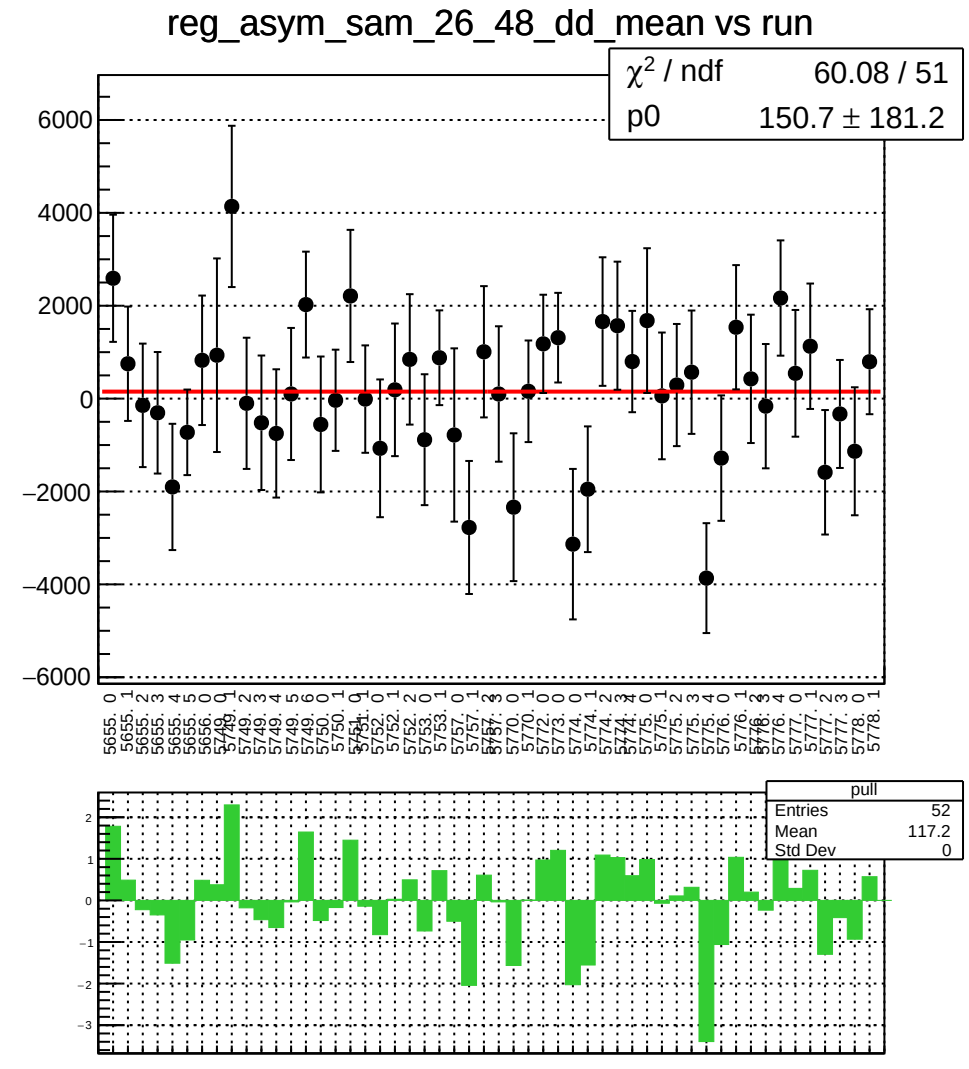
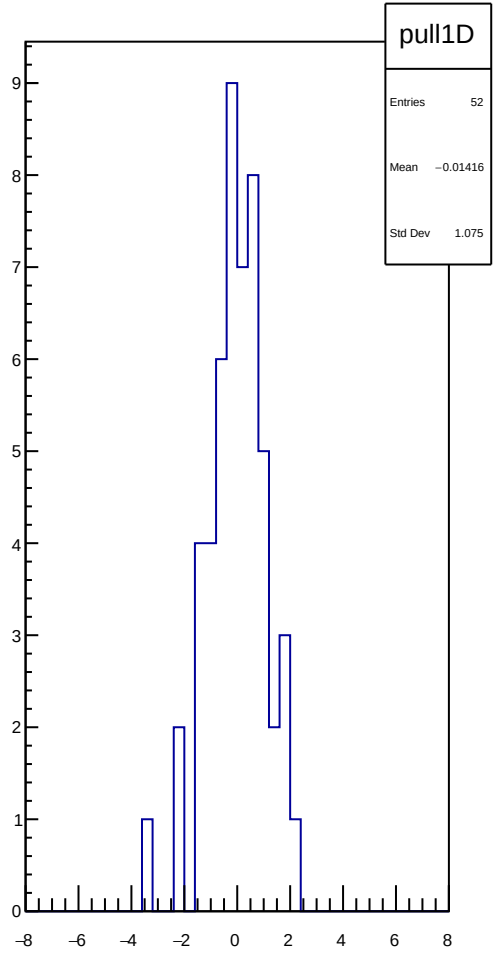
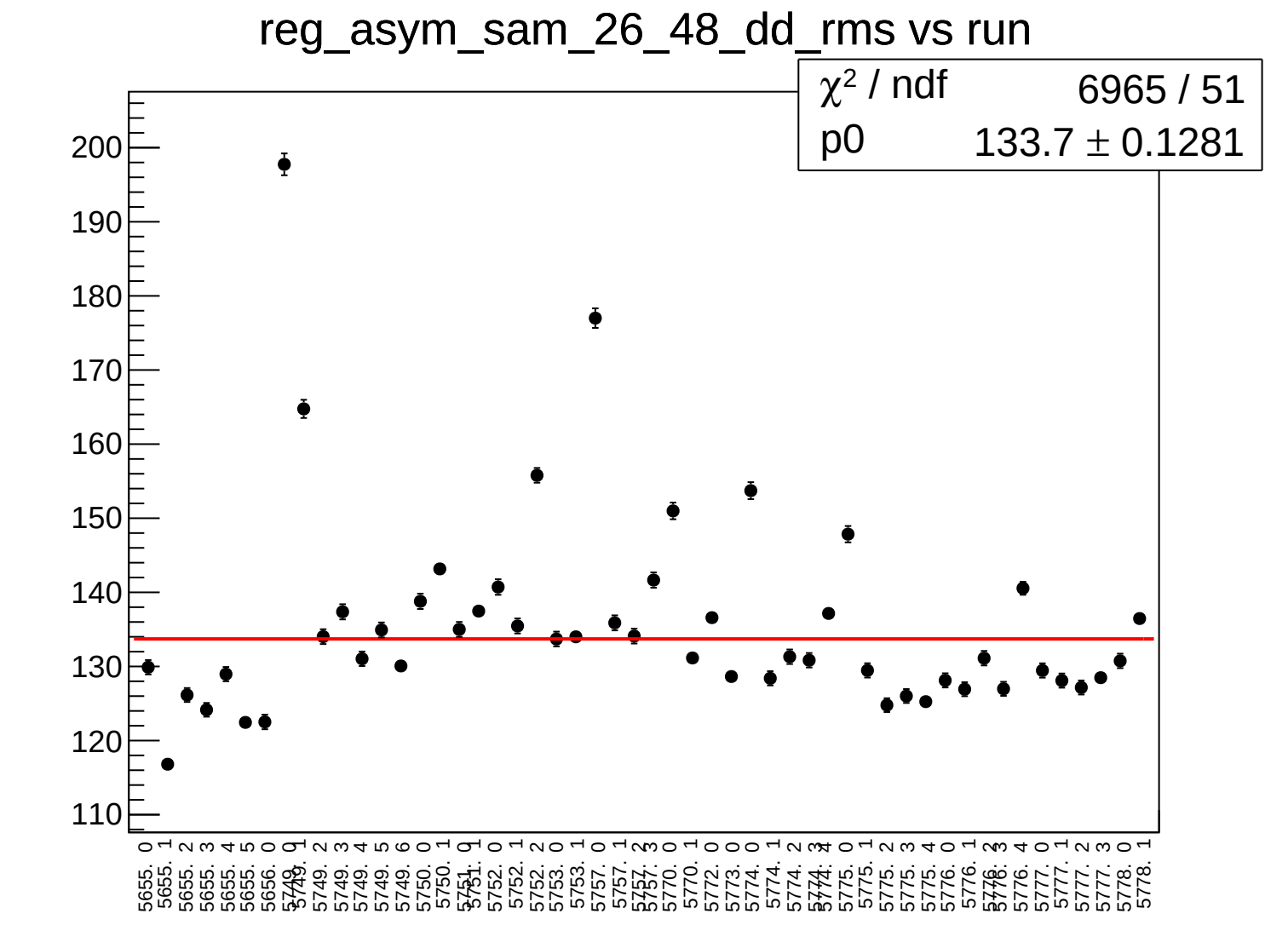
5777. 2
5777. 3
5778. 0
5778. 1


reg_asym_sam_26_48_dd_mean vs run
χ² / ndf 60.08 / 51
p0 150.7 ± 181.2
pull
Entries 52
Mean 117.2
Std Dev 0


pull1D
Entries 52
Mean −0.01416
Std Dev 1.075


reg_asym_sam_26_48_dd_rms vs run
χ² / ndf 6965 / 51
p0 133.7 ± 0.1281
200
190
180
170
160
150
140
130
120
110
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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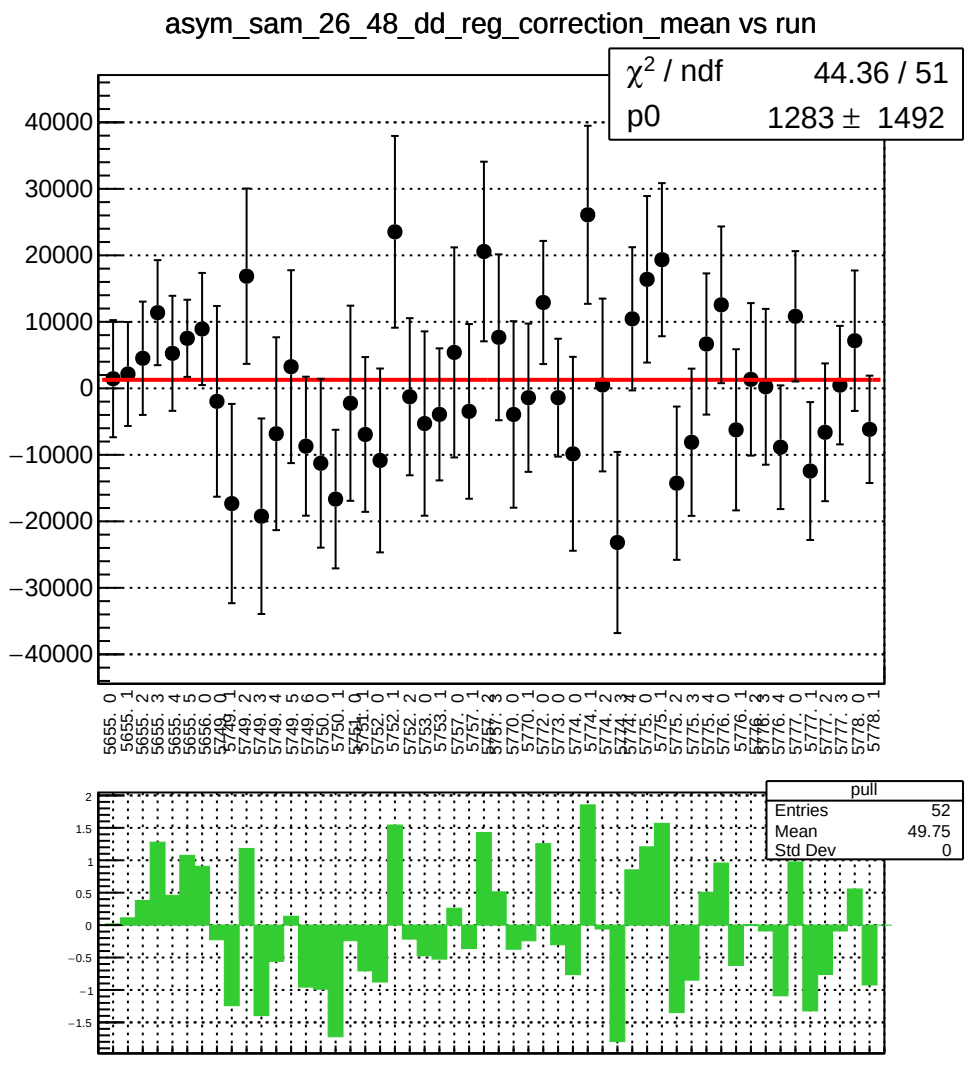
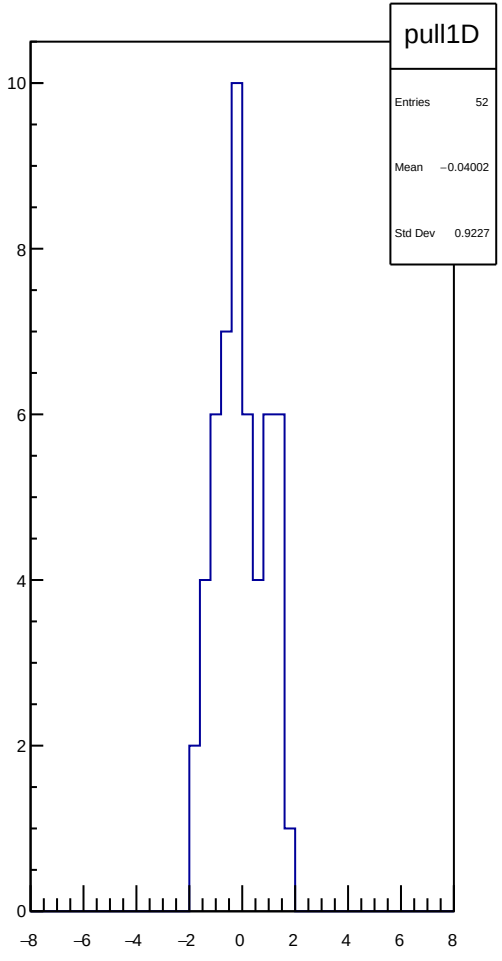
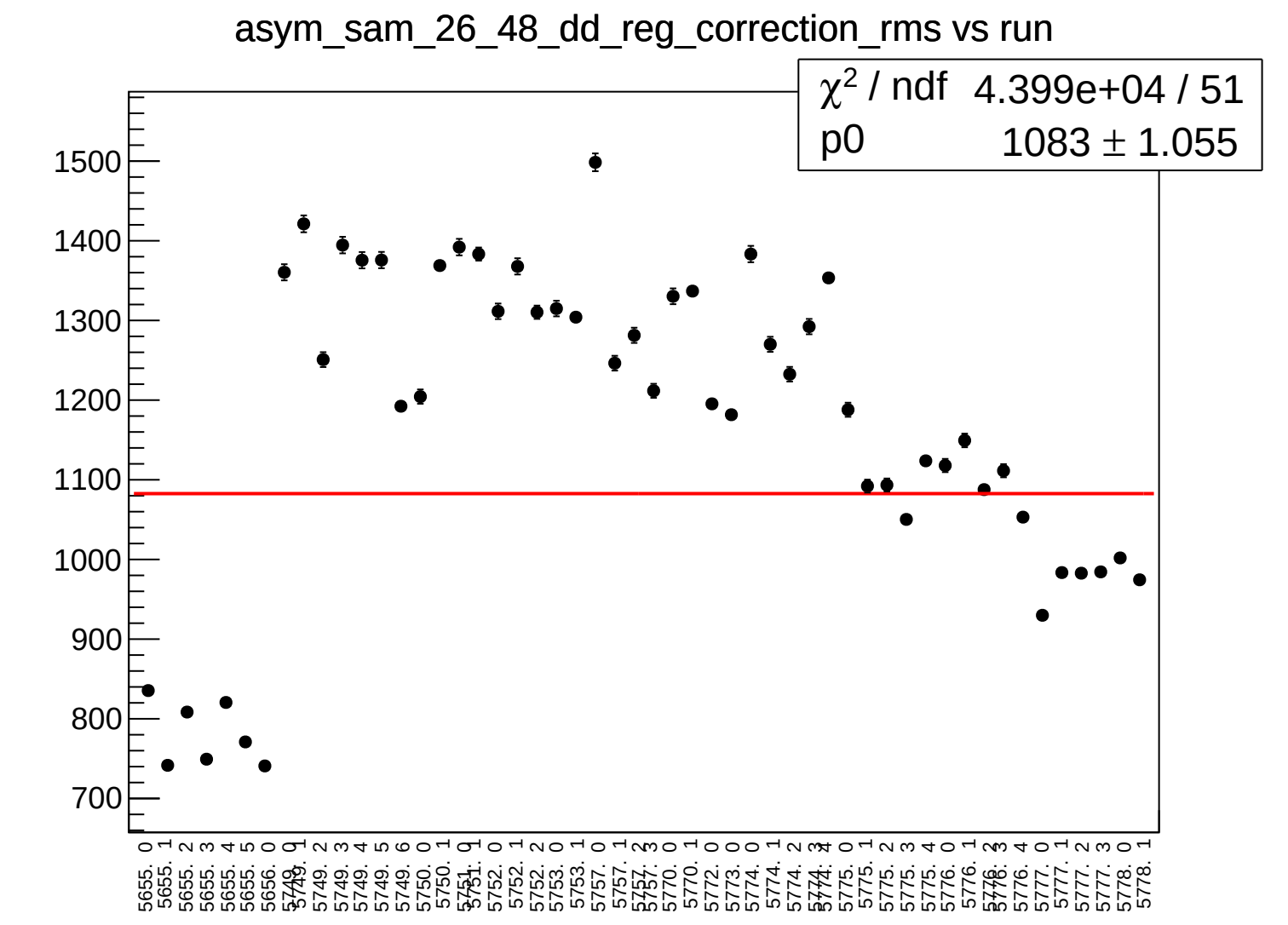
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_26_48_dd_reg_correction_mean vs run
χ² / ndf 44.36 / 51
p0 1283 ± 1492
pull
Entries 52
Mean 49.75
Std Dev 0


pull1D
Entries 52
Mean −0.04002
Std Dev 0.9227


asym_sam_26_48_dd_reg_correction_rms vs run
χ² / ndf 4.399e+04 / 51
p0 1083 ± 1.055
1500
1400
1300
1200
1100
1000
900
800
700
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5750. 1
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5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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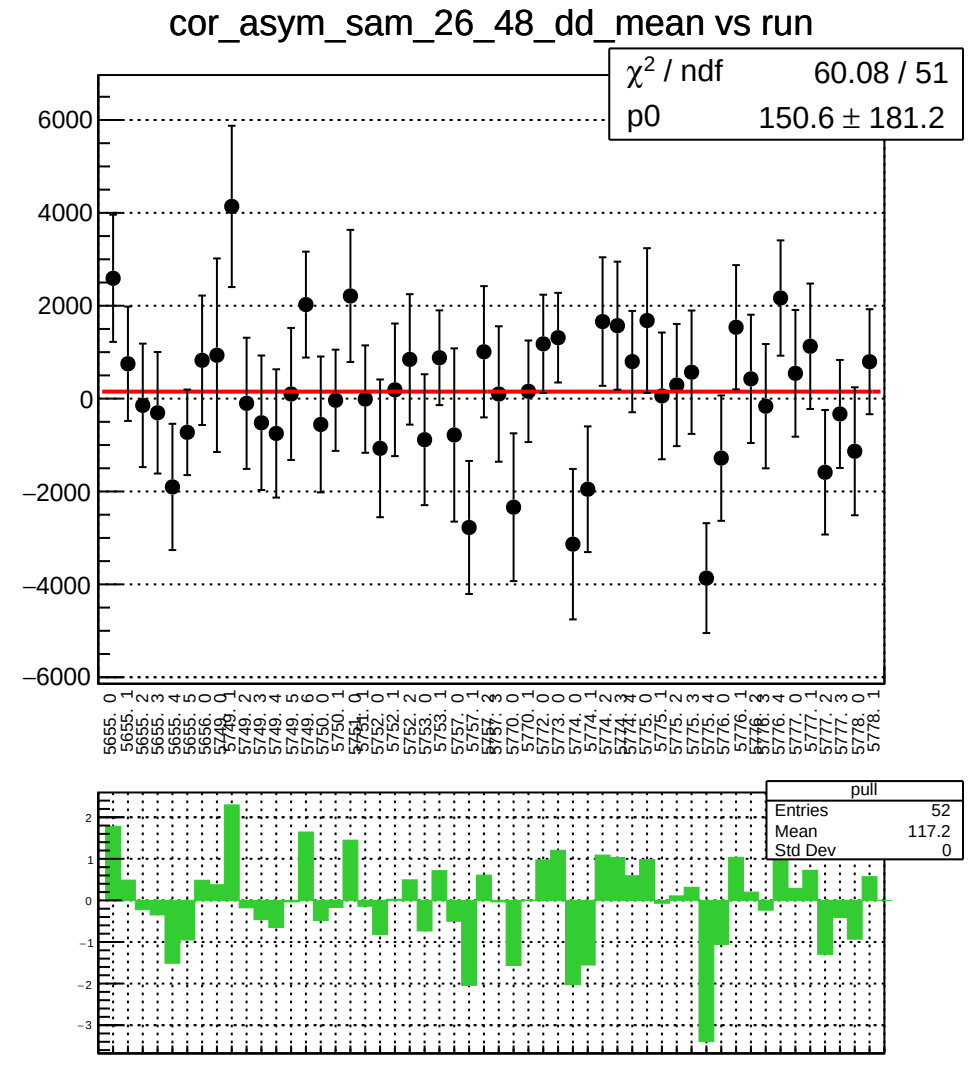
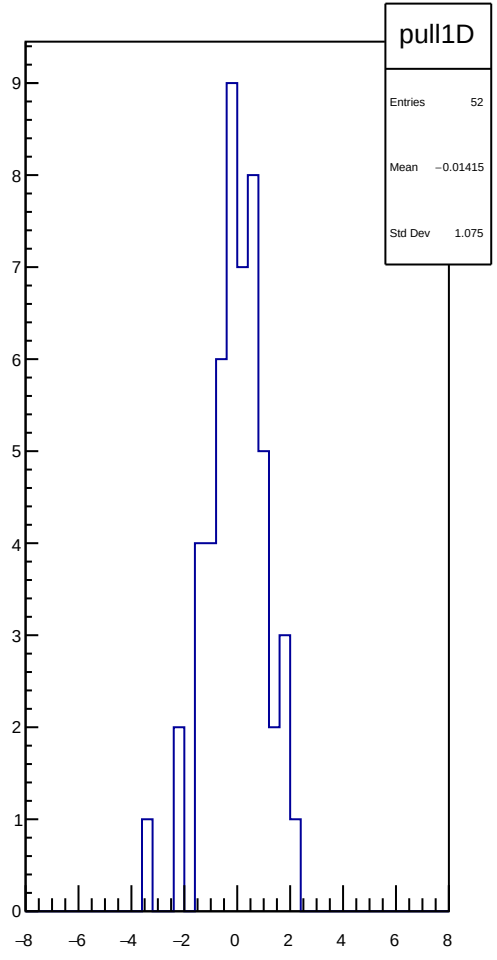
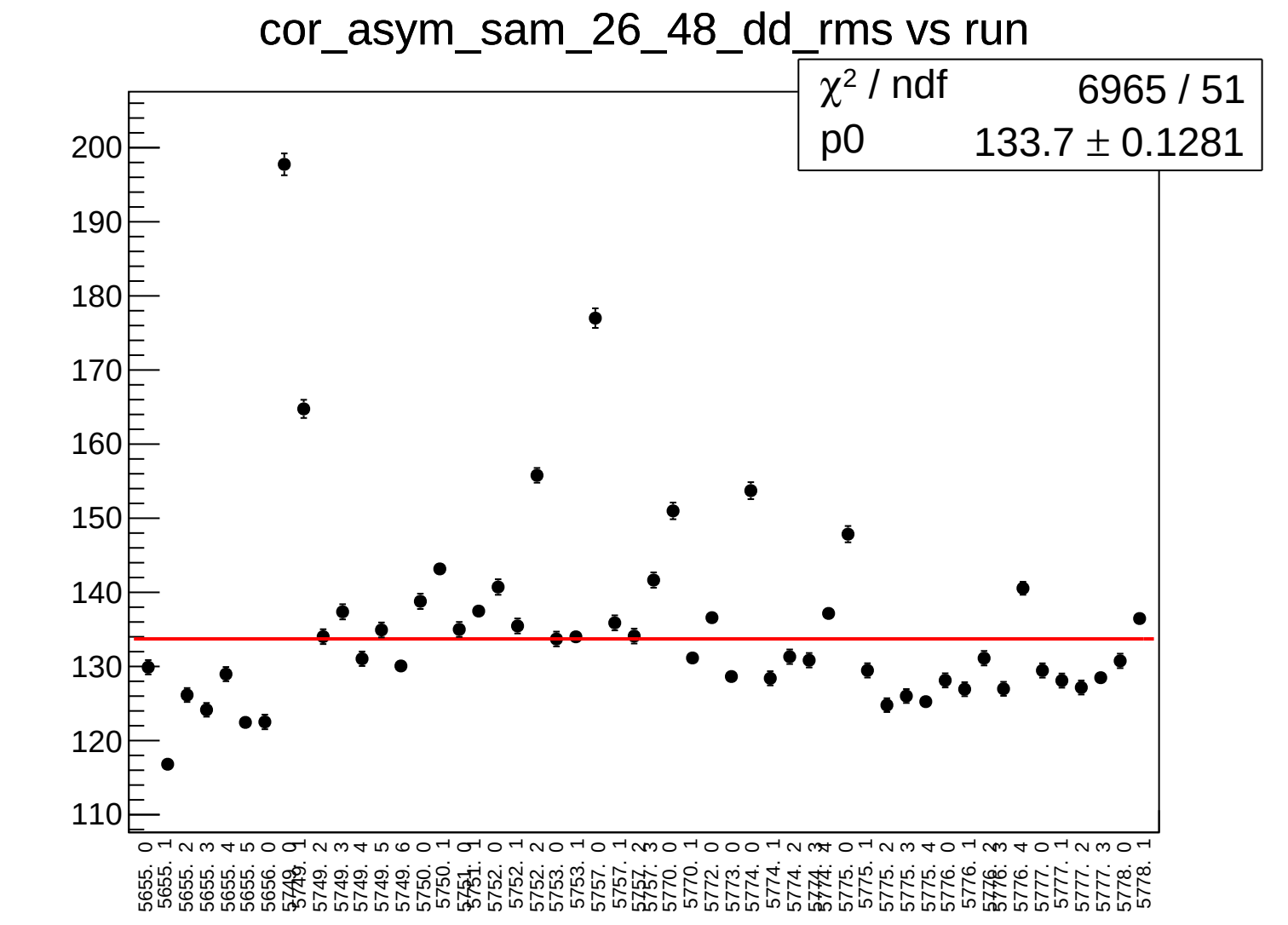
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 60.08 / 51
p0 150.6 ± 181.2
pull
Entries 52
Mean 117.2
Std Dev 0


pull1D
Entries 52
Mean −0.01415
Std Dev 1.075


cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 6965 / 51
p0 133.7 ± 0.1281
200
190
180
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160
150
140
130
120
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5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
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5776. 0
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5777. 0
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5778. 0
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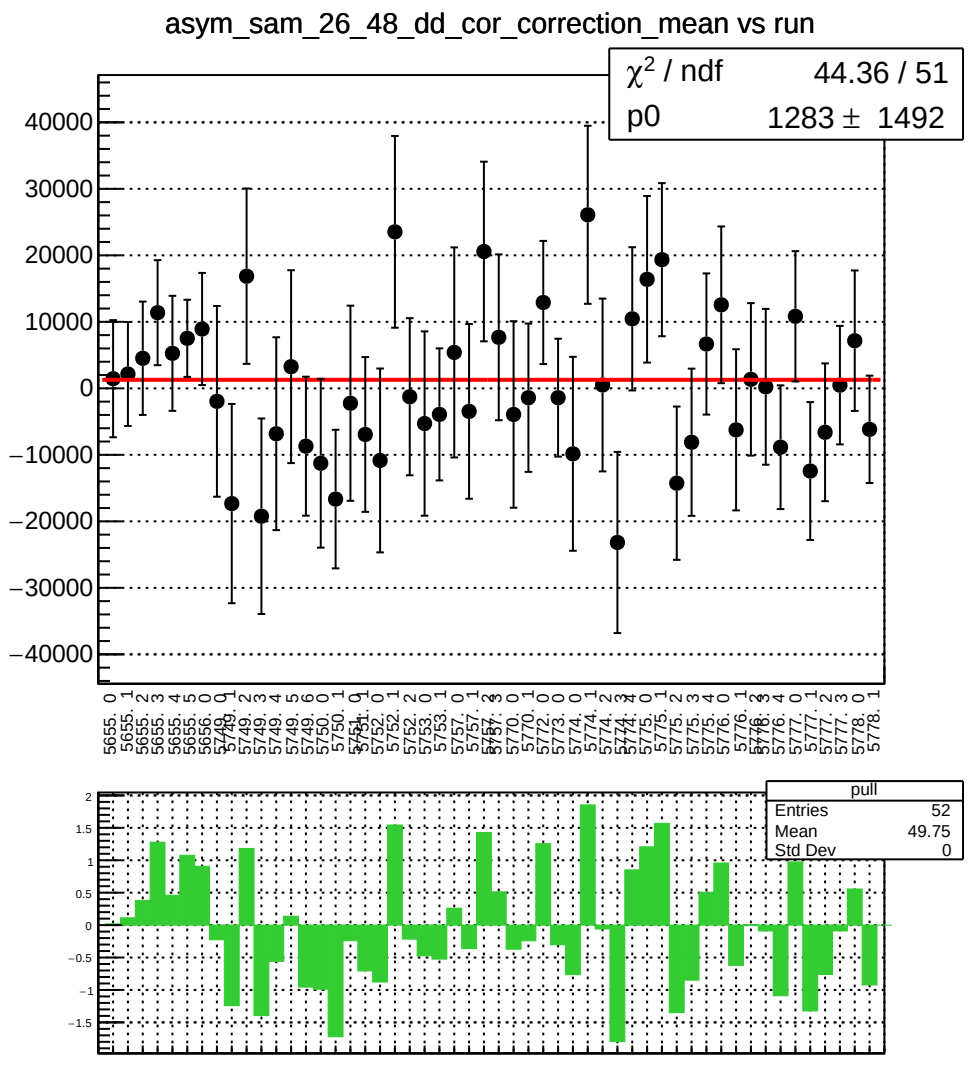
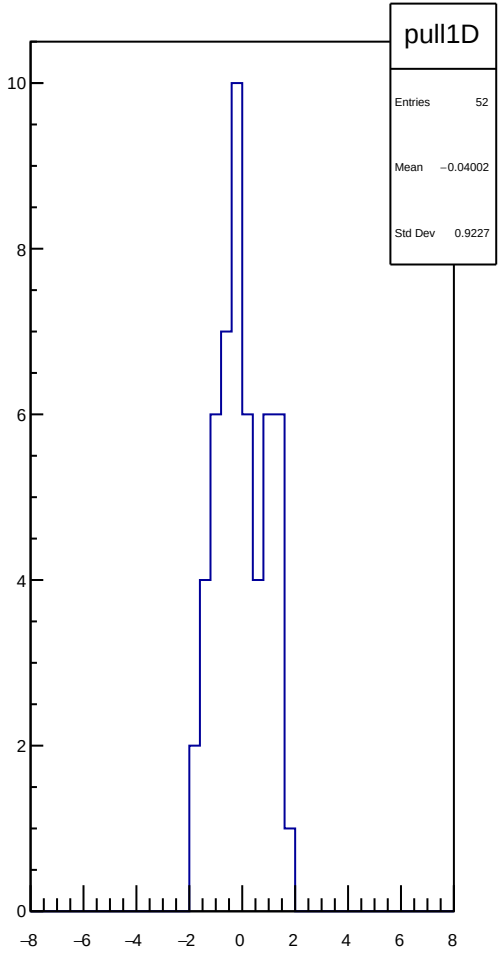
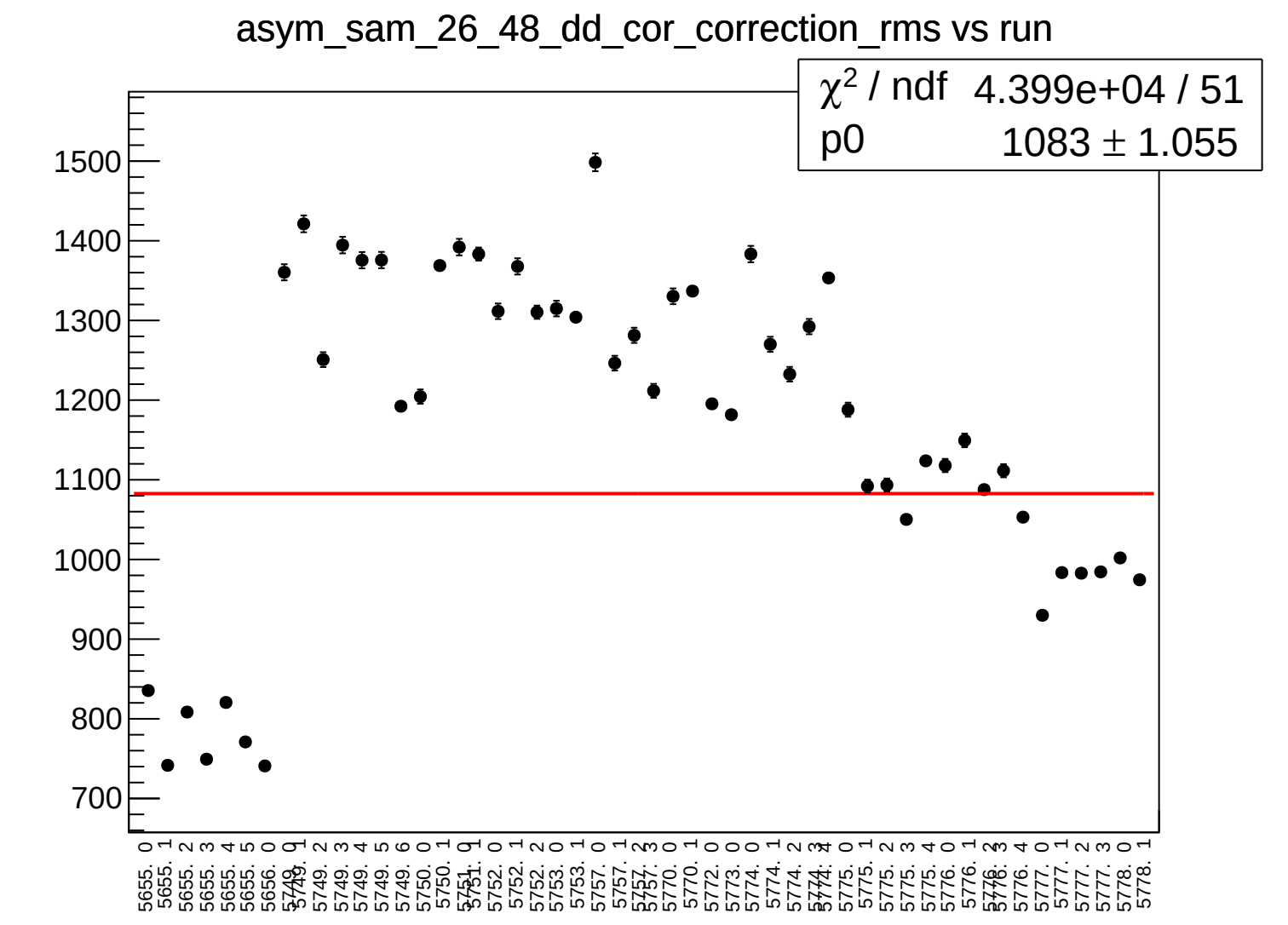

asym_sam_26_48_dd_cor_correction_mean vs run
χ² / ndf 44.36 / 51
p0 1283 ± 1492
pull
Entries 52
Mean 49.75
Std Dev 0


pull1D
Entries 52
Mean −0.04002
Std Dev 0.9227


asym_sam_26_48_dd_cor_correction_rms vs run
χ² / ndf 4.399e+04 / 51
p0 1083 ± 1.055
1500
1400
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5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
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5774. 1
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5774. 3
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5775. 3
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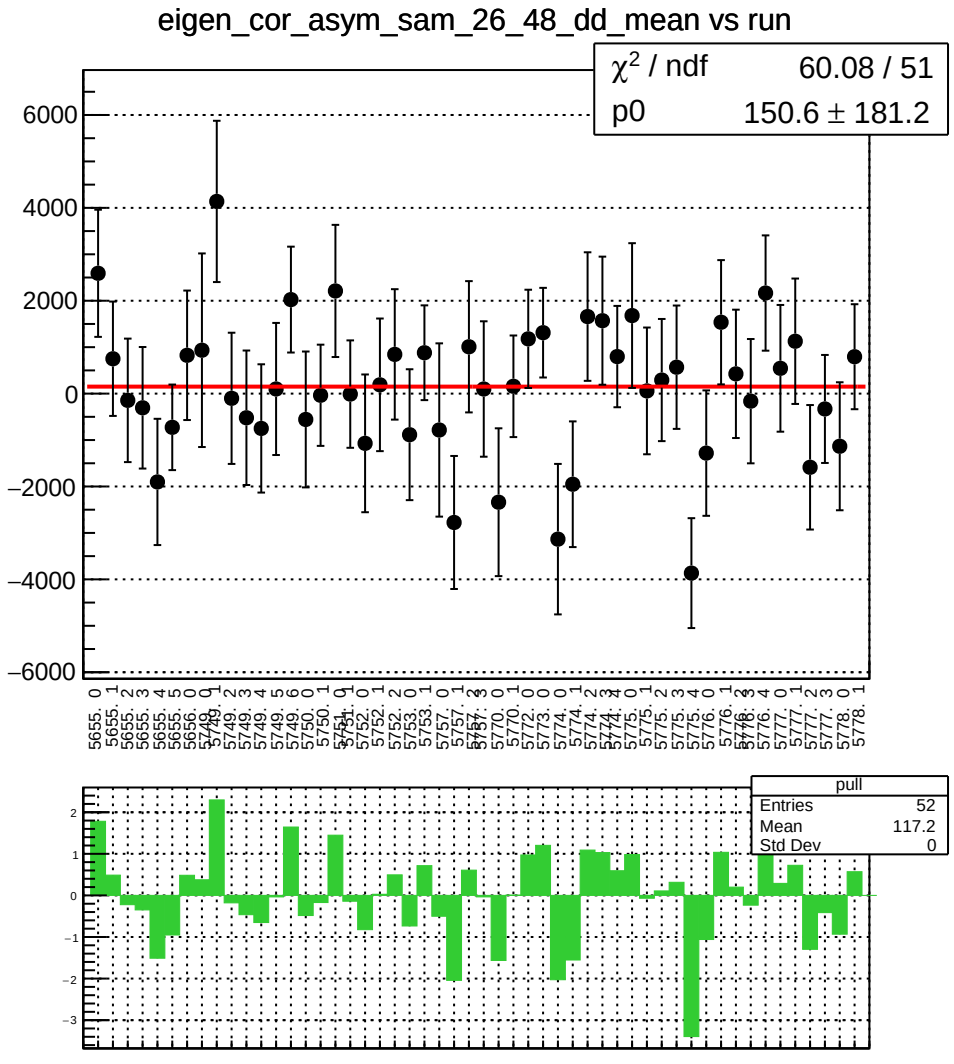
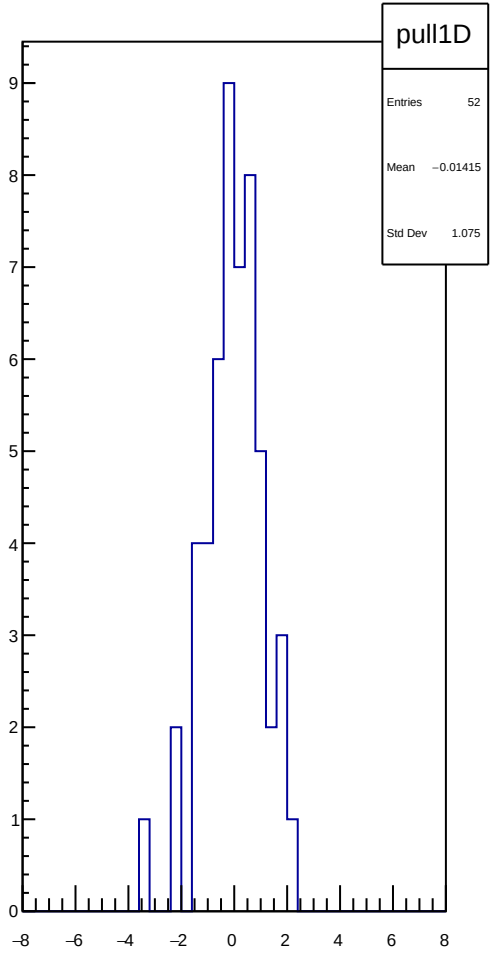
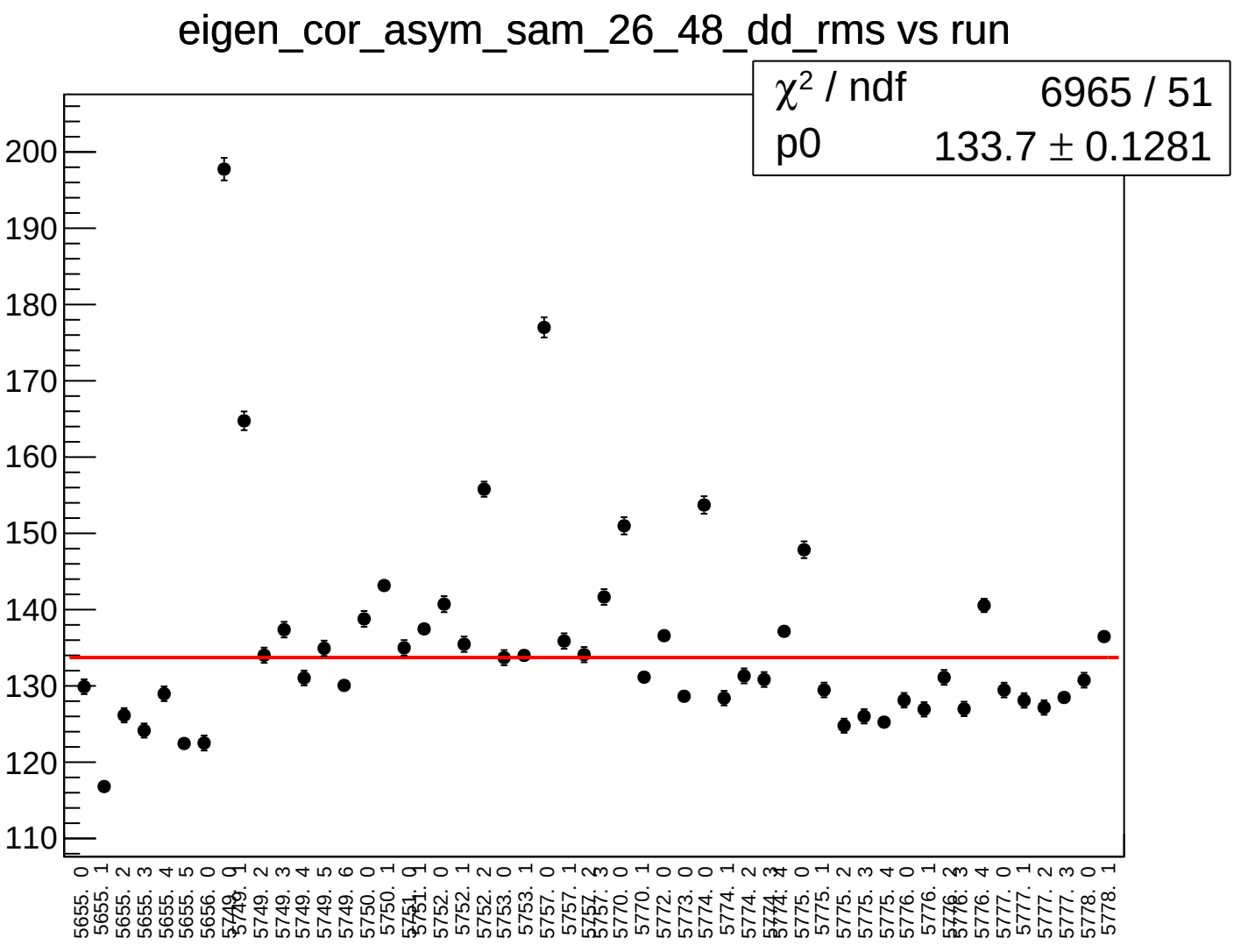
5778. 1


eigen_cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 60.08 / 51
p0 150.6 ± 181.2
pull
Entries 52
Mean 117.2
Std Dev 0


pull1D
Entries 52
Mean −0.01415
Std Dev 1.075


eigen_cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 6965 / 51
p0 133.7 ± 0.1281
200
190
180
170
160
150
140
130
120
110
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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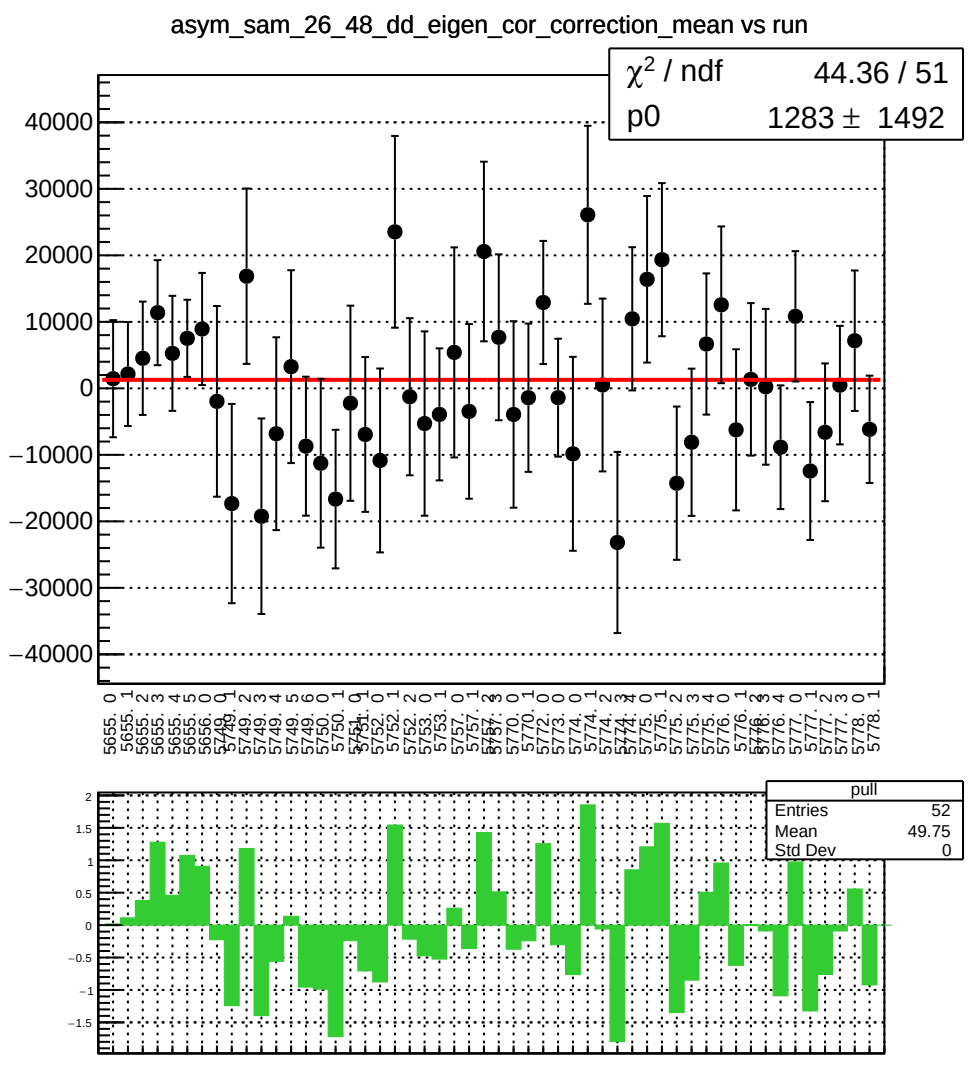
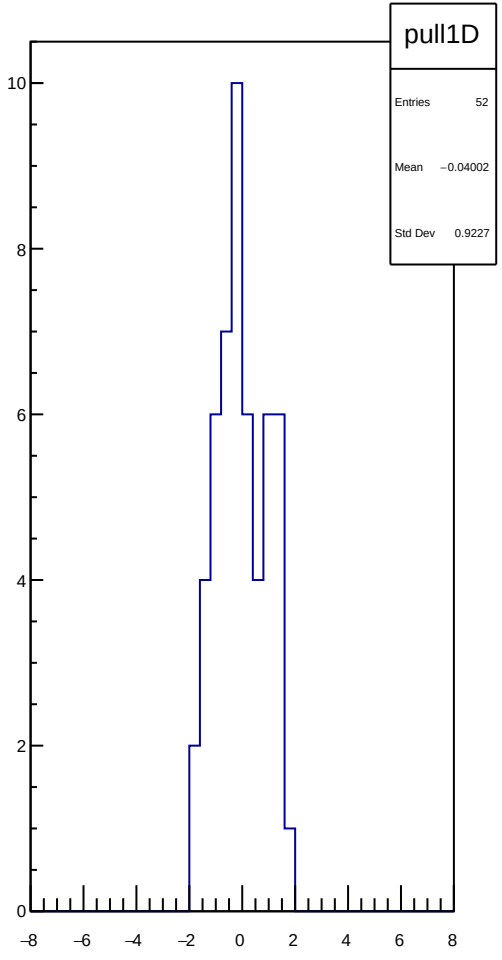
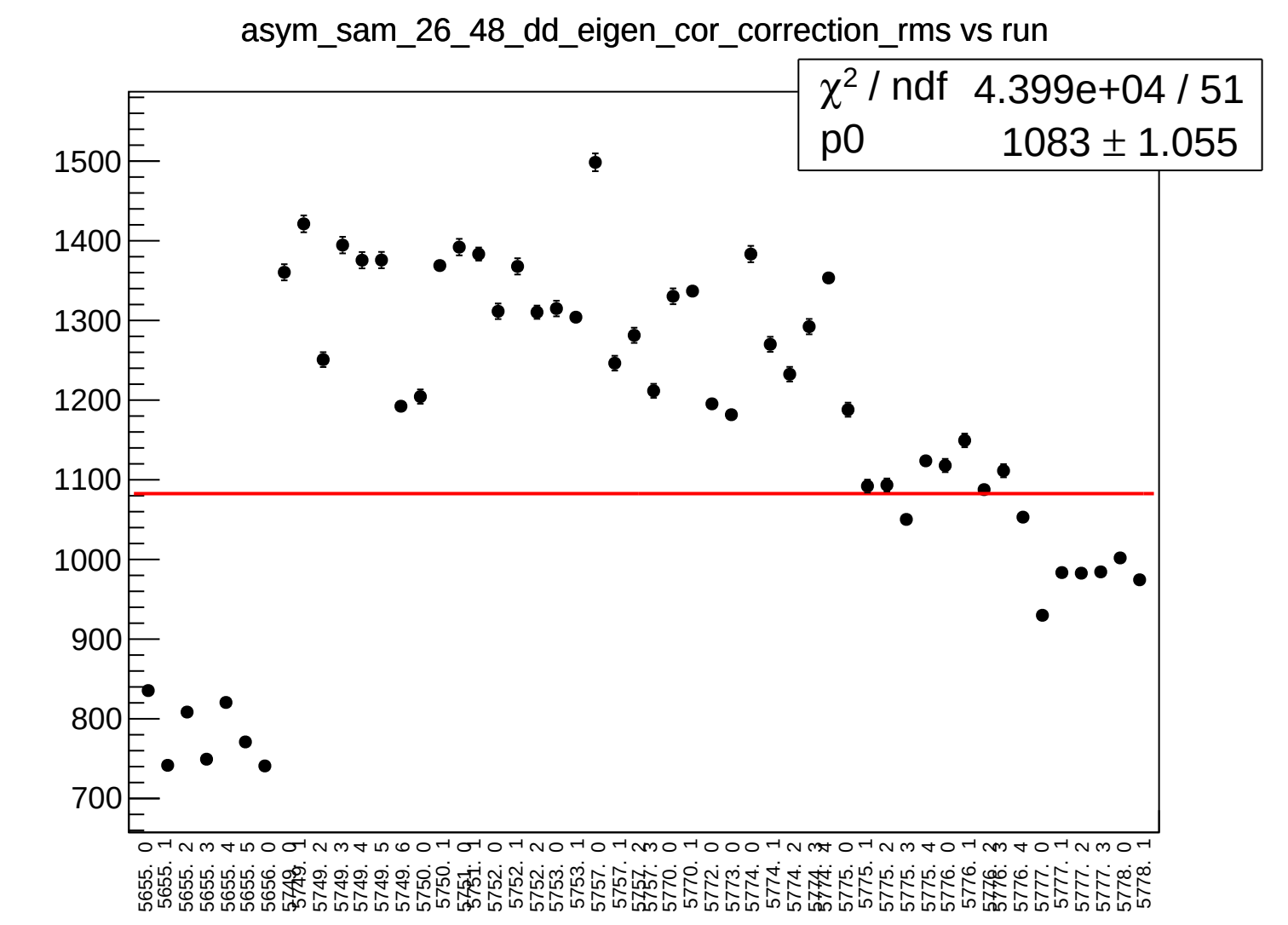
5778. 1


asym_sam_26_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 44.36 / 51
p0 1283 ± 1492
pull
Entries 52
Mean 49.75
Std Dev 0


pull1D
Entries 52
Mean −0.04002
Std Dev 0.9227


asym_sam_26_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 4.399e+04 / 51
p0 1083 ± 1.055
1500
1400
1300
1200
1100
1000
900
800
700
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
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5749. 4
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5753. 1
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5757. 1
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5774. 1
5774. 2
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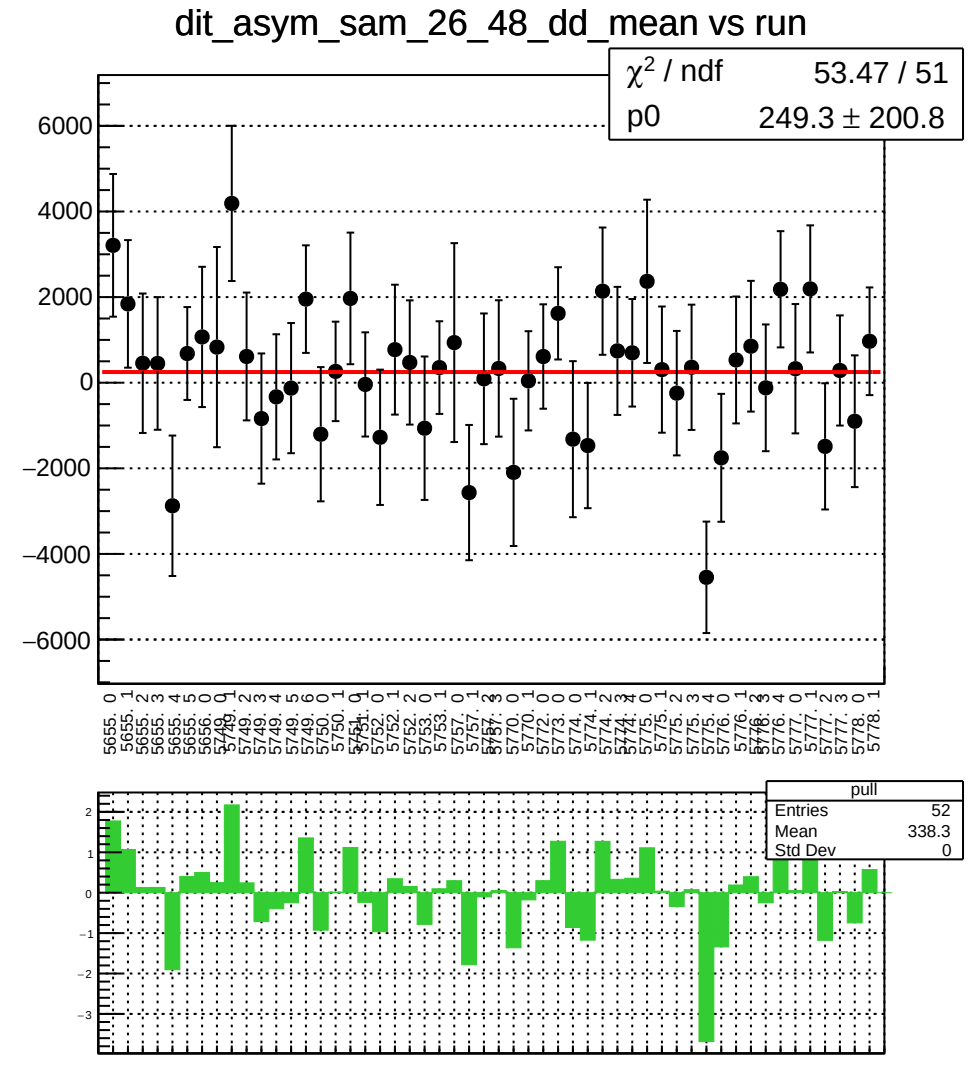
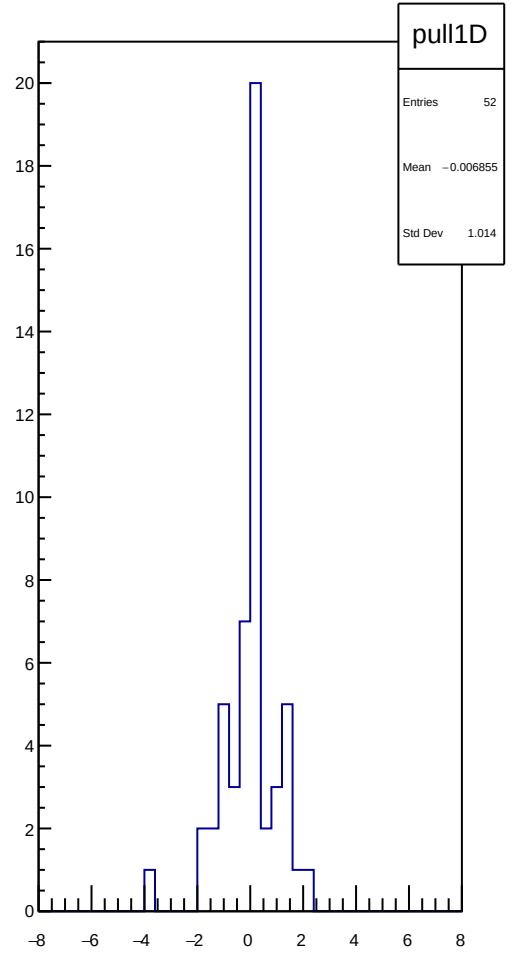
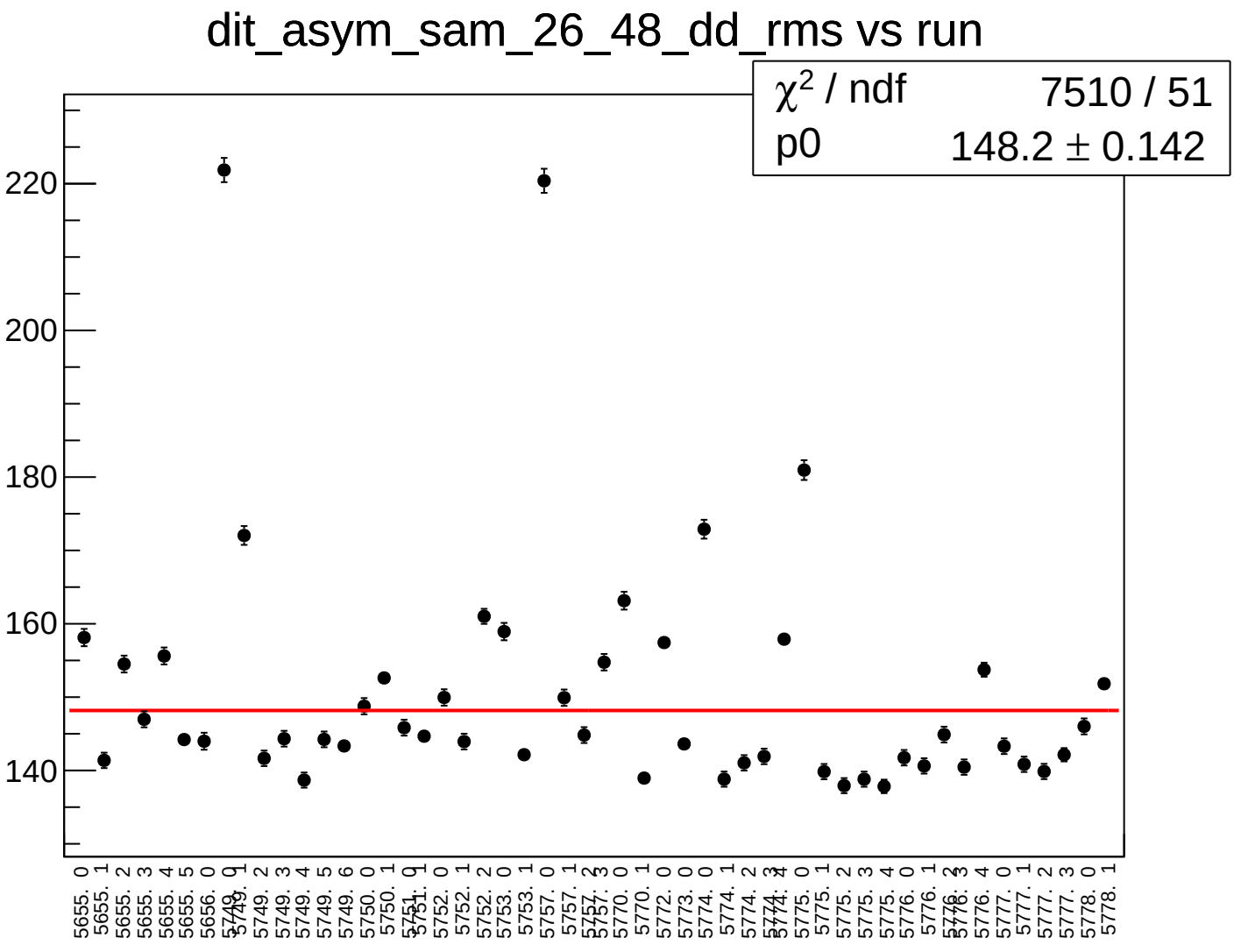
5778. 1


dit_asym_sam_26_48_dd_mean vs run
χ^2 / ndf 53.47 / 51
p0 249.3 ± 200.8
pull
Entries 52
Mean 338.3
Std Dev 0


pull1D
Entries 52
Mean −0.006855
Std Dev 1.014


dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 7510 / 51
p0 148.2 ± 0.142
220
200
180
160
140
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
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5749. 4
5749. 5
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5774. 1
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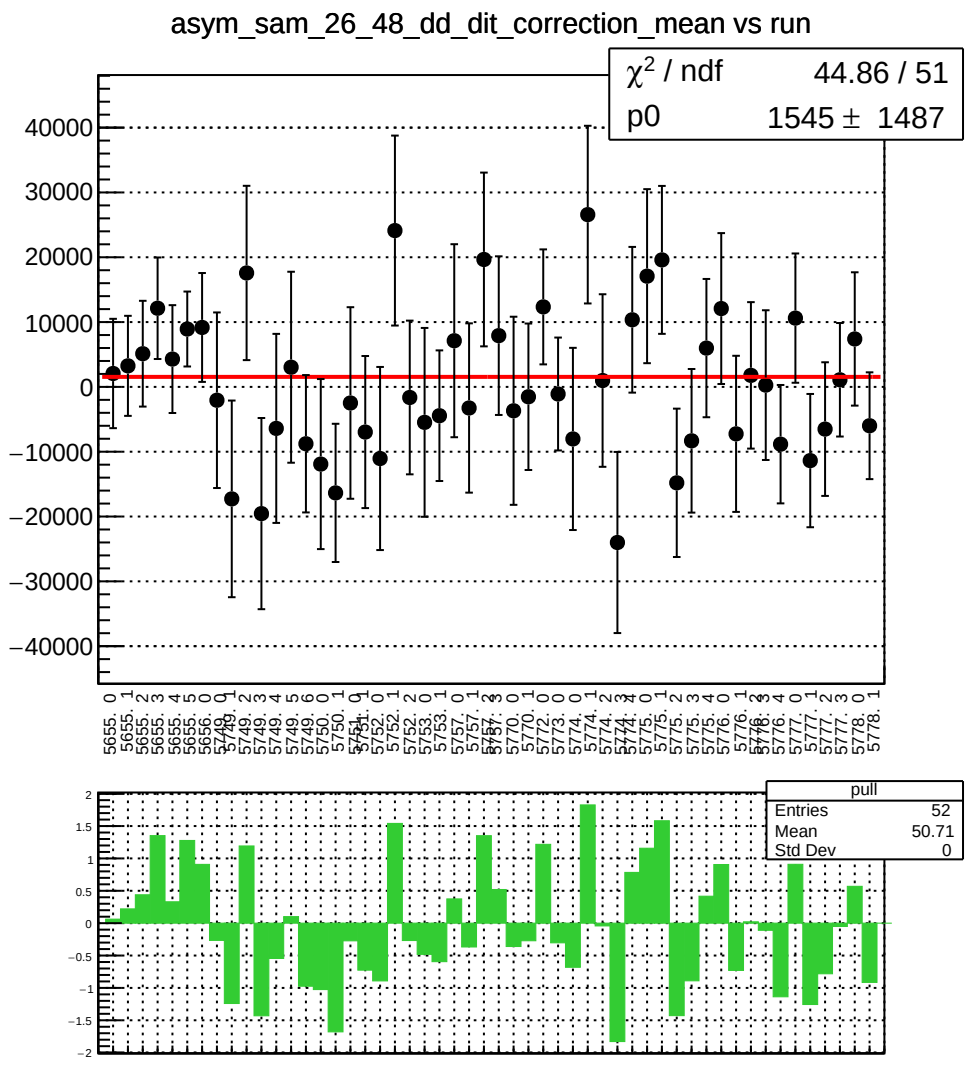
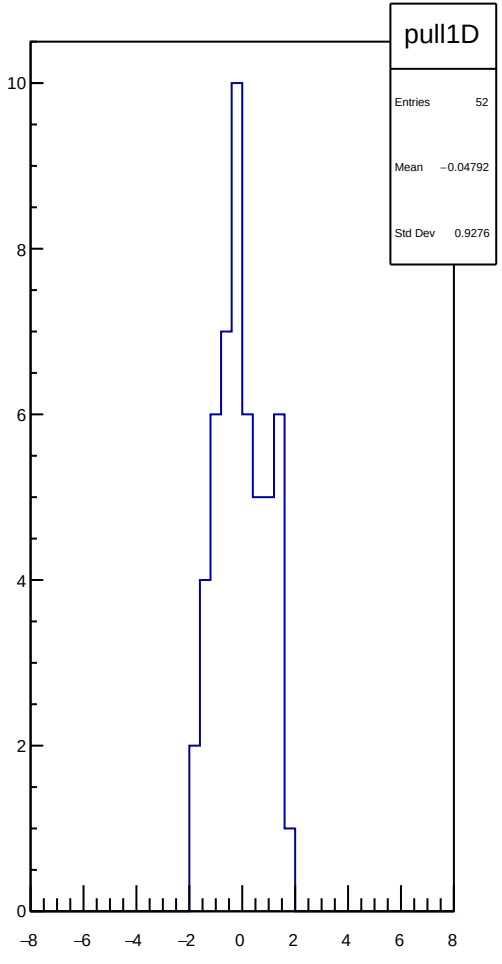
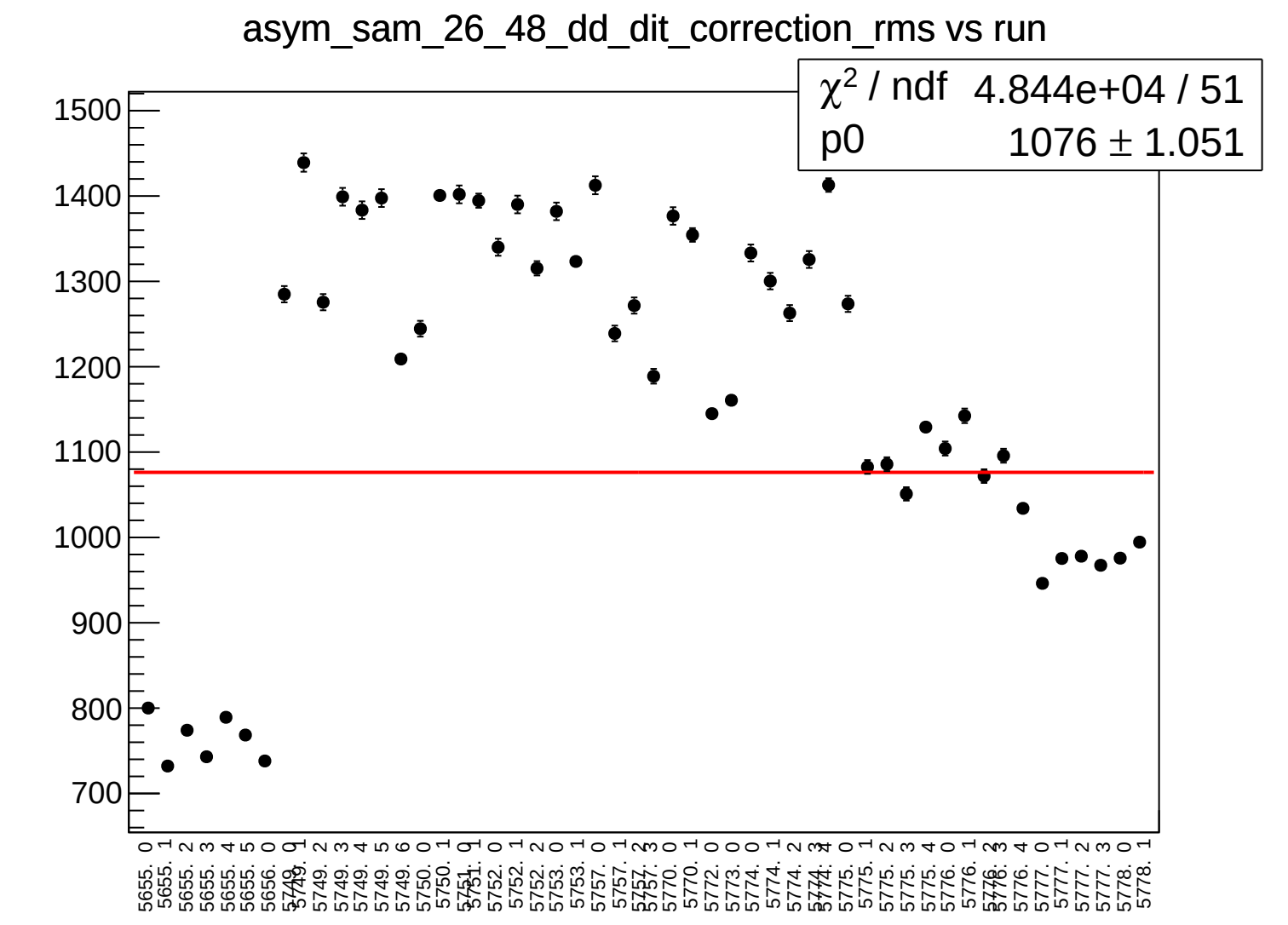
5778. 1


asym_sam_26_48_dd_dit_correction_mean vs run
χ² / ndf 44.86 / 51
p0 1545 ± 1487
pull
Entries 52
Mean 50.71
Std Dev 0


pull1D
Entries 52
Mean −0.04792
Std Dev 0.9276


asym_sam_26_48_dd_dit_correction_rms vs run
χ² / ndf 4.844e+04 / 51
p0 1076 ± 1.051
1500
1400
1300
1200
1100
1000
900
800
700
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
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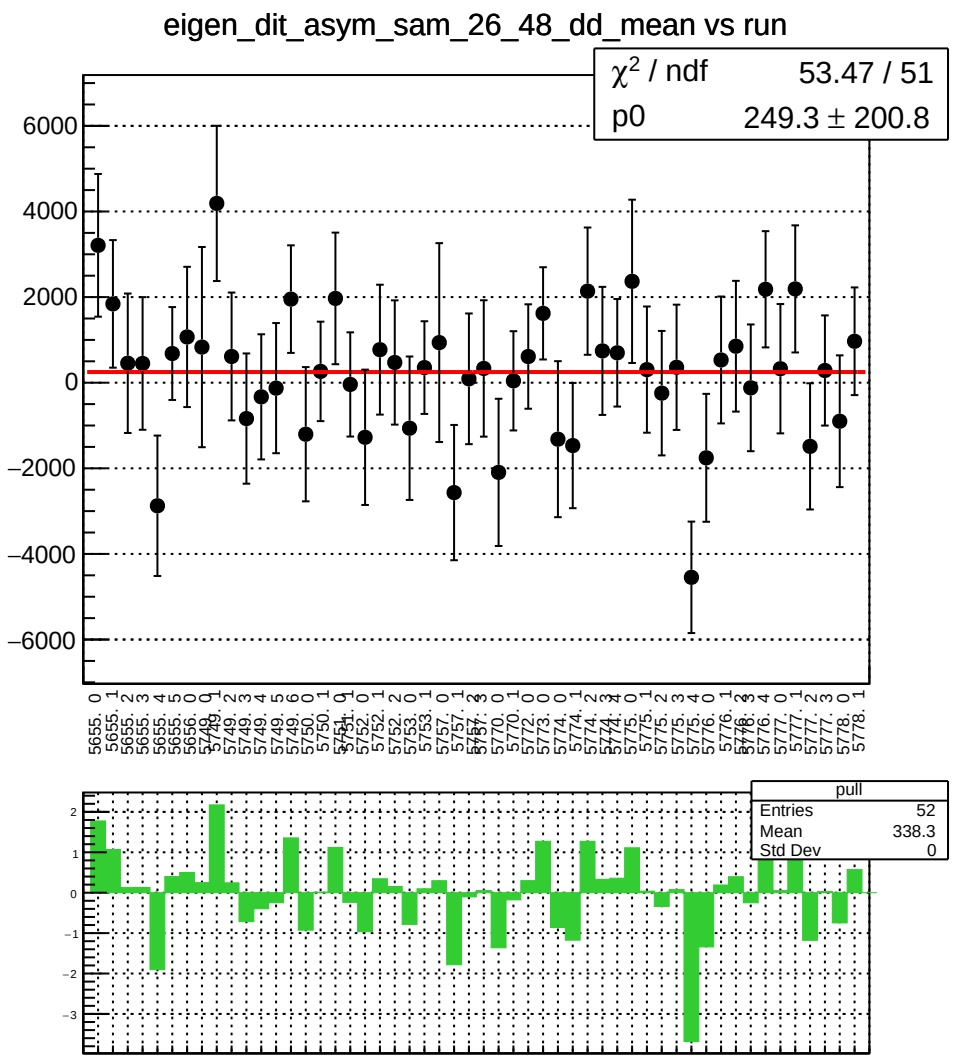
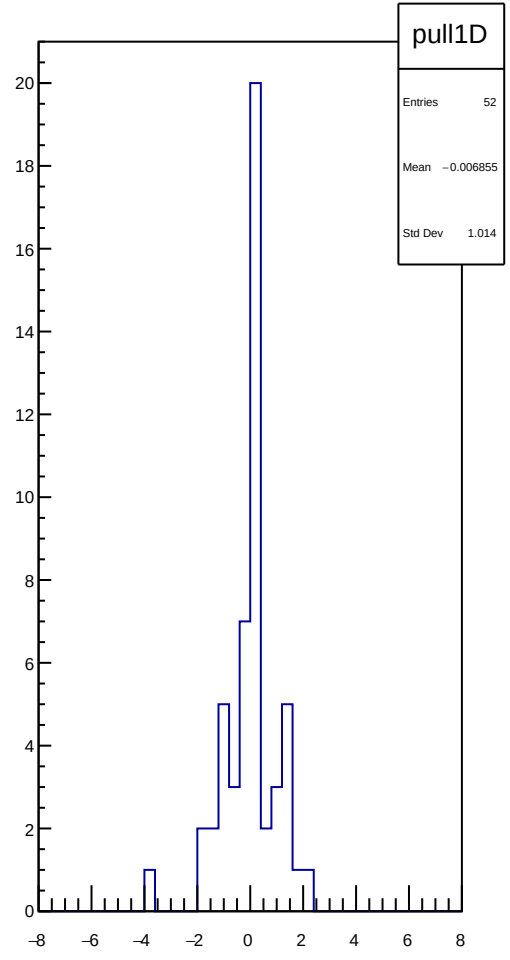
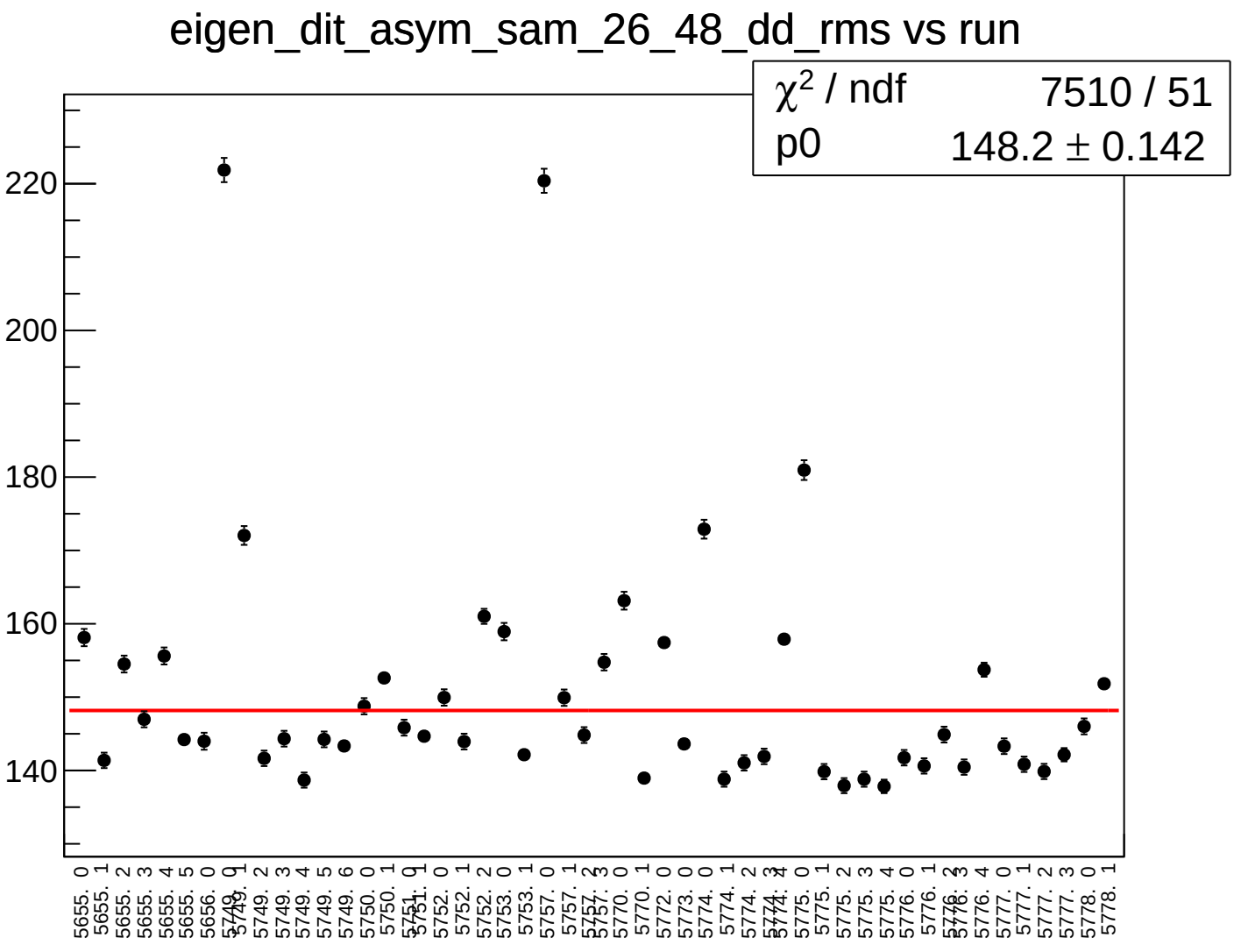
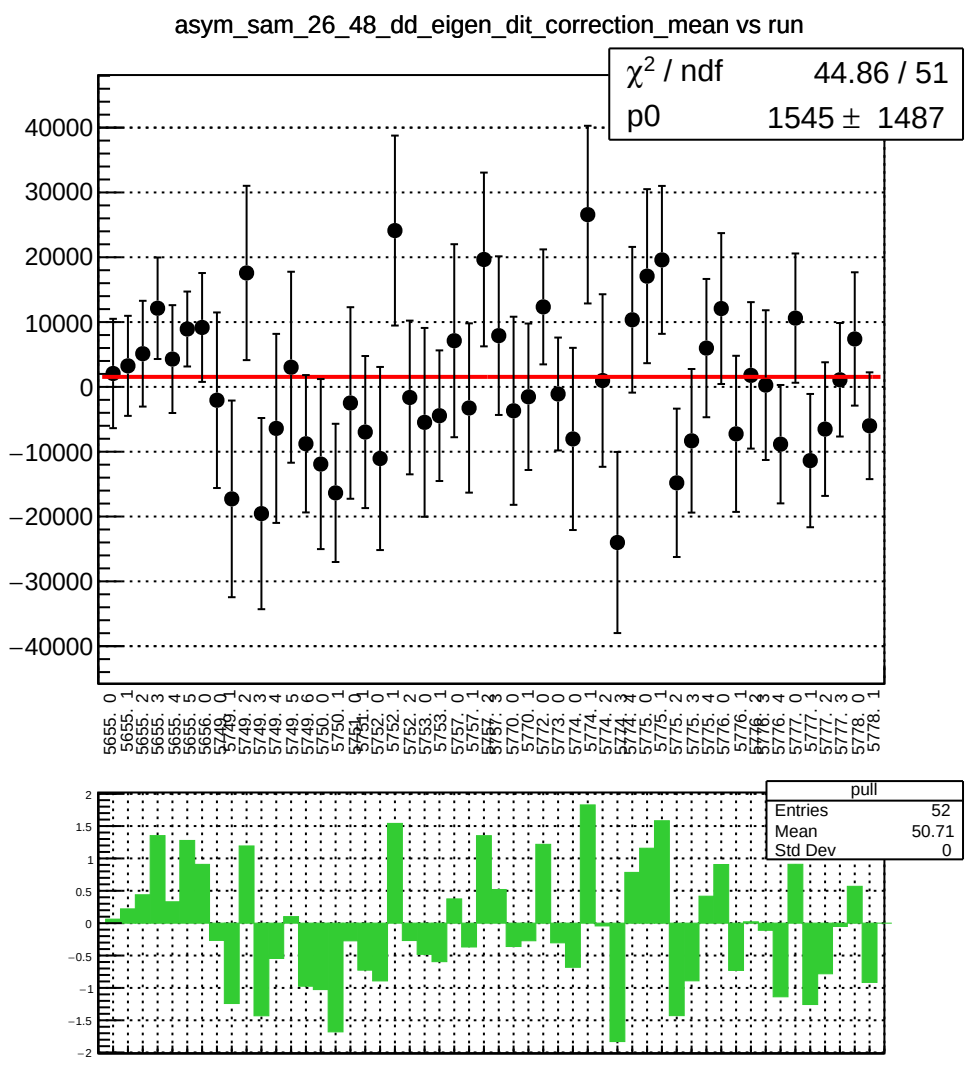
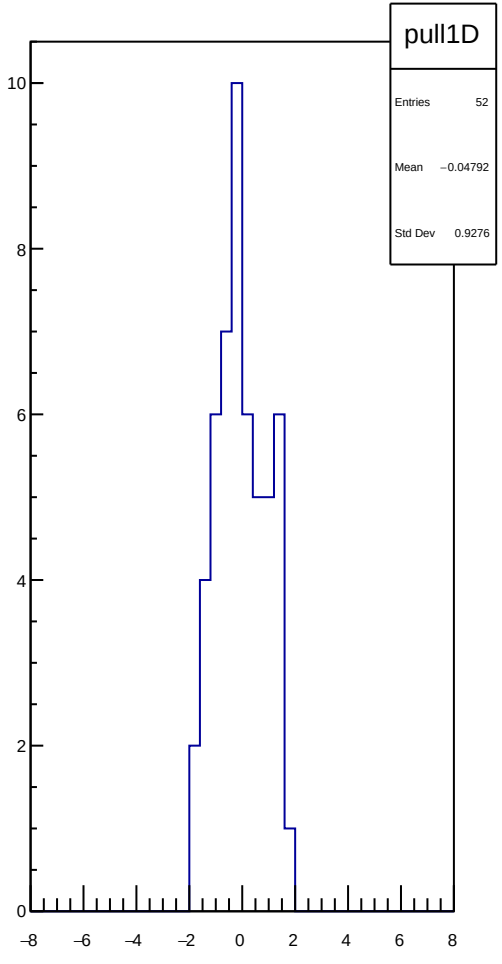
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

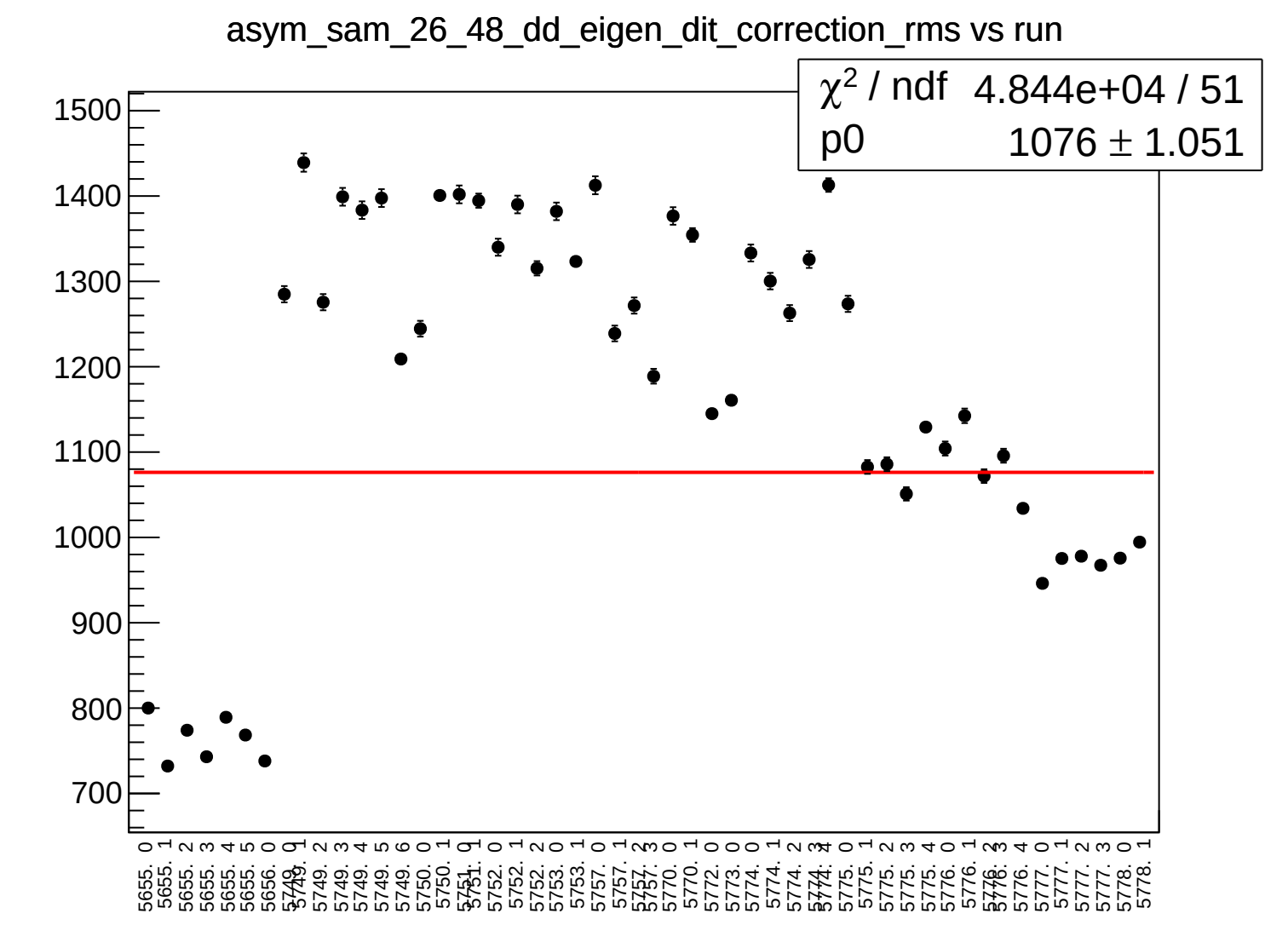

eigen_dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 53.47 / 51
p0 249.3 ± 200.8
pull
Entries 52
Mean 338.3
Std Dev 0

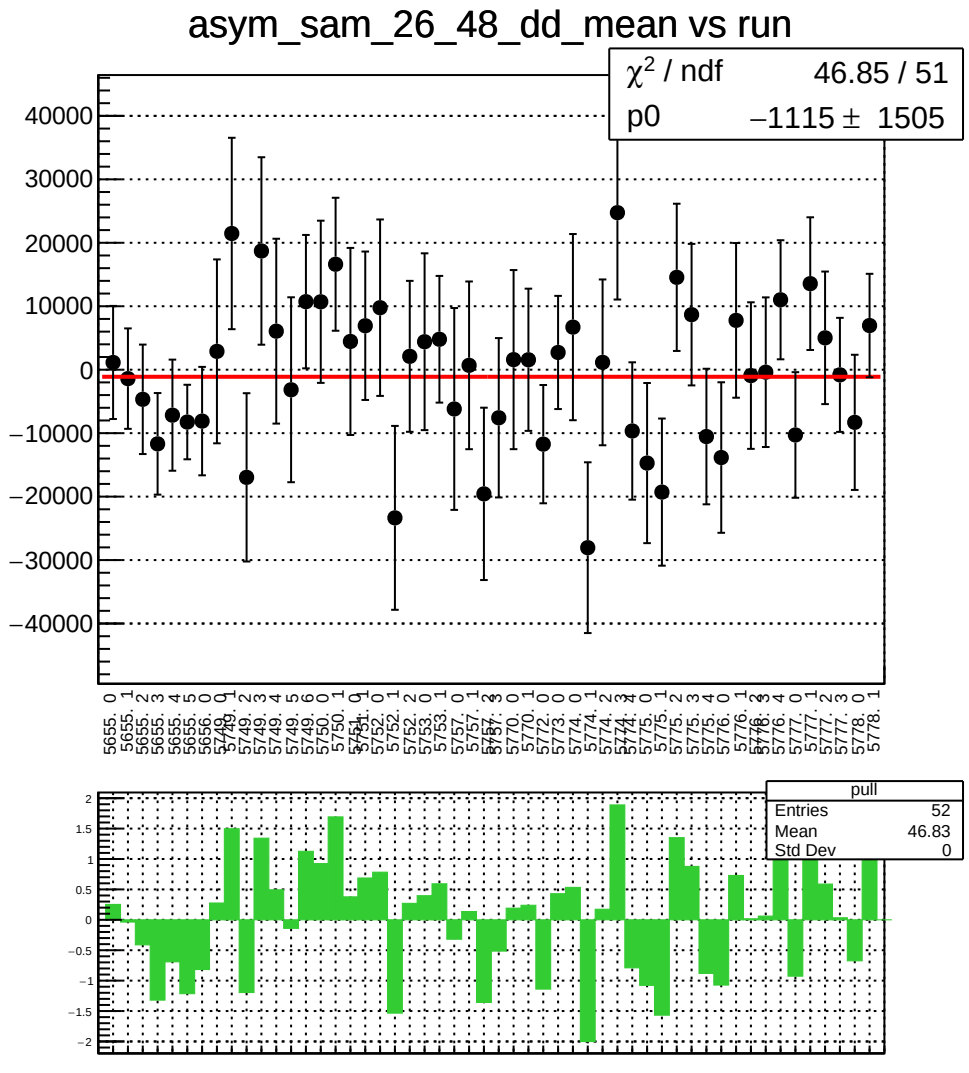

pull1D
Entries 52
Mean −0.006855
Std Dev 1.014

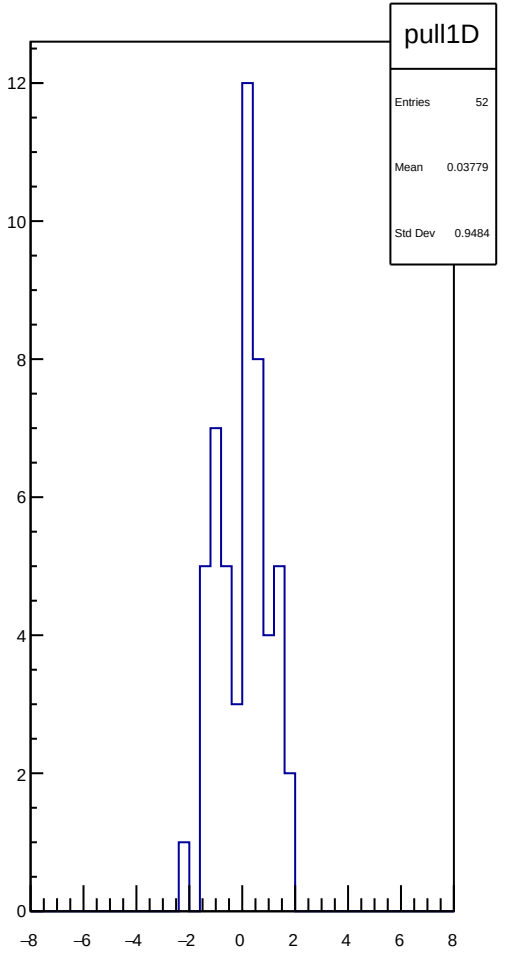

eigen_dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 7510 / 51
p0 148.2 ± 0.142
220
200
180
160
140
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

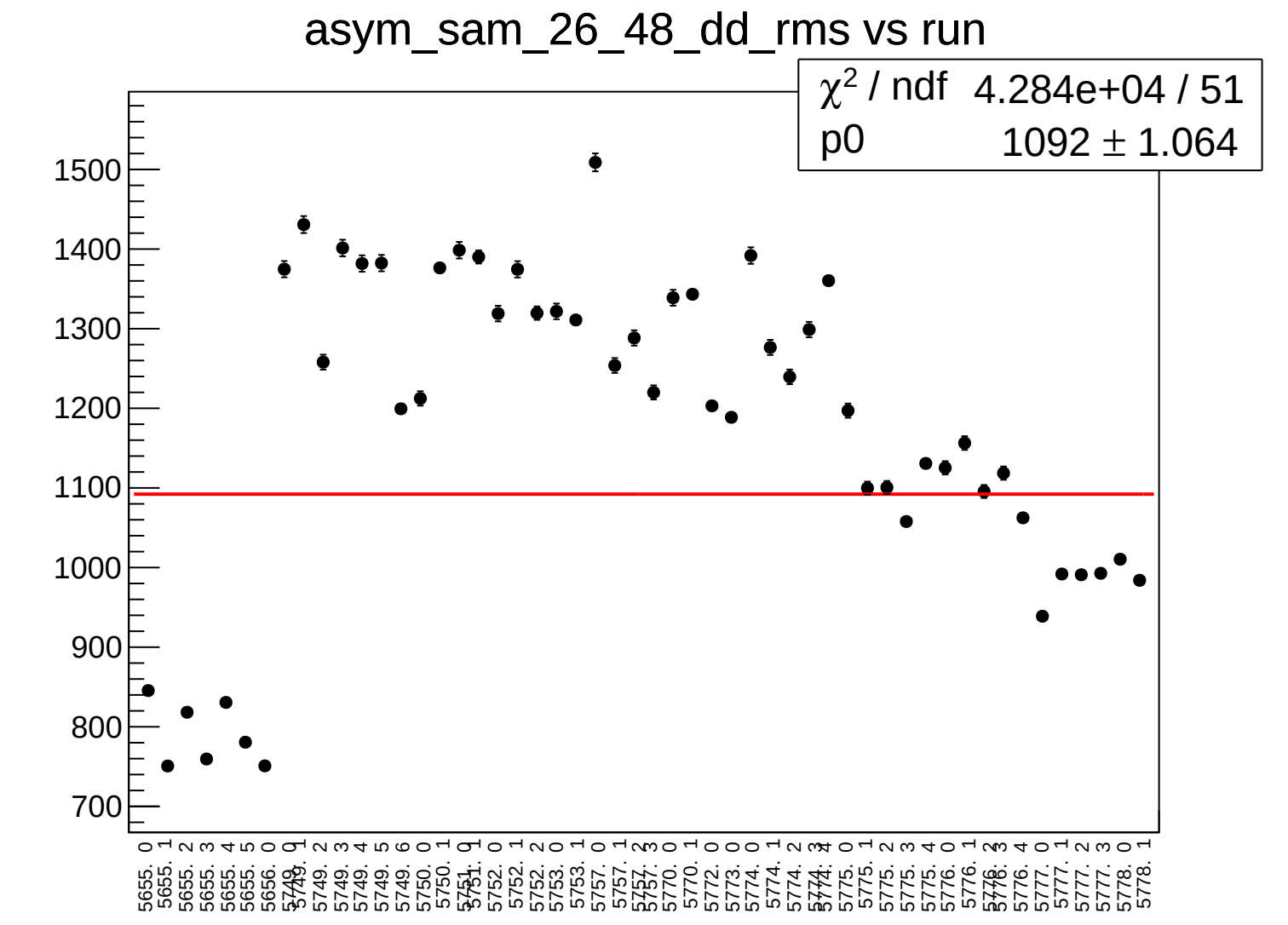

asym_sam_26_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 44.86 / 51
p0 1545 ± 1487
pull
Entries 52
Mean 50.71
Std Dev 0

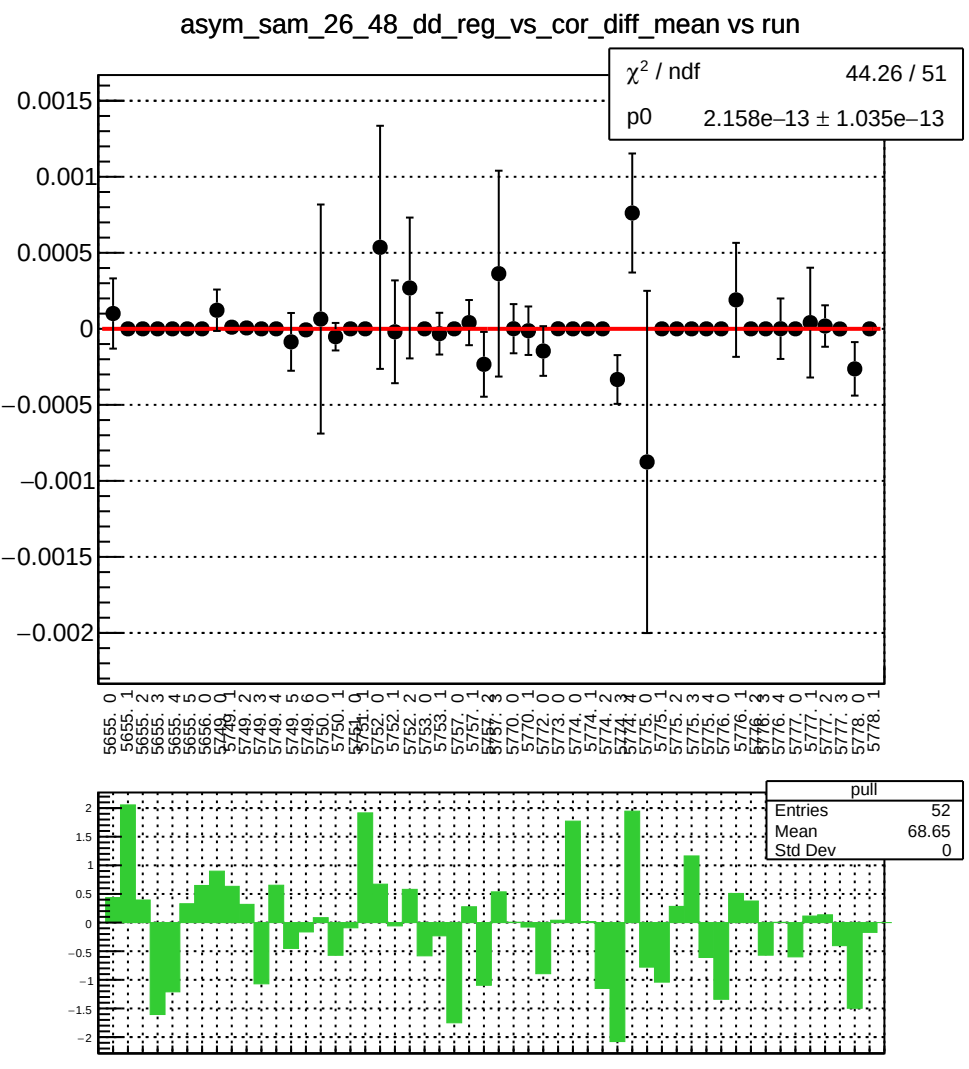

pull1D
Entries 52
Mean −0.04792
Std Dev 0.9276

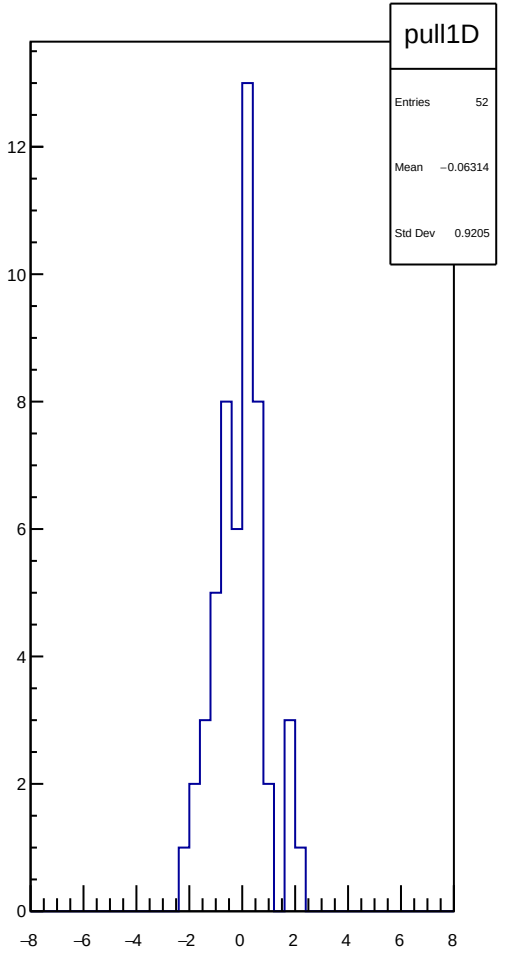

asym_sam_26_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 4.844e+04 / 51
p0 1076 ± 1.051
1500
1400
1300
1200
1100
1000
900
800
700
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

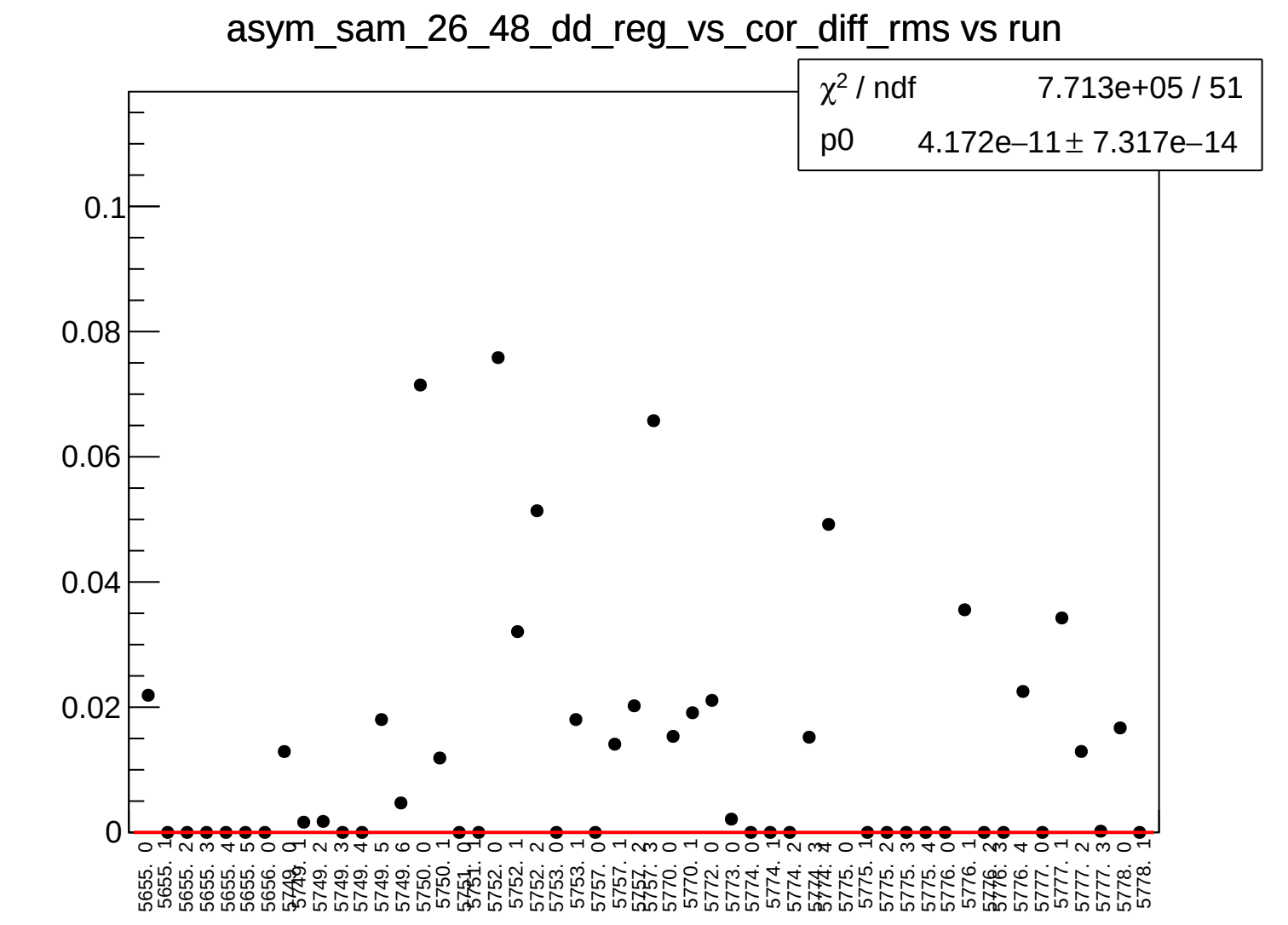

asym_sam_26_48_dd_mean vs run
χ² / ndf 46.85 / 51
p0 −1115 ± 1505
pull
Entries 52
Mean 46.83
Std Dev 0


pull1D
Entries 52
Mean 0.03779
Std Dev 0.9484


asym_sam_26_48_dd_rms vs run
χ² / ndf 4.284e+04 / 51
p0 1092 ± 1.064
1500
1400
1300
1200
1100
1000
900
800
700
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_26_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 44.26 / 51
p0 2.158e−13 ± 1.035e−13
pull
Entries 52
Mean 68.65
Std Dev 0


pull1D
Entries 52
Mean −0.06314
Std Dev 0.9205


asym_sam_26_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.713e+05 / 51
p0 4.172e−11 ± 7.317e−14
0.1
0.08
0.06
0.04
0.02
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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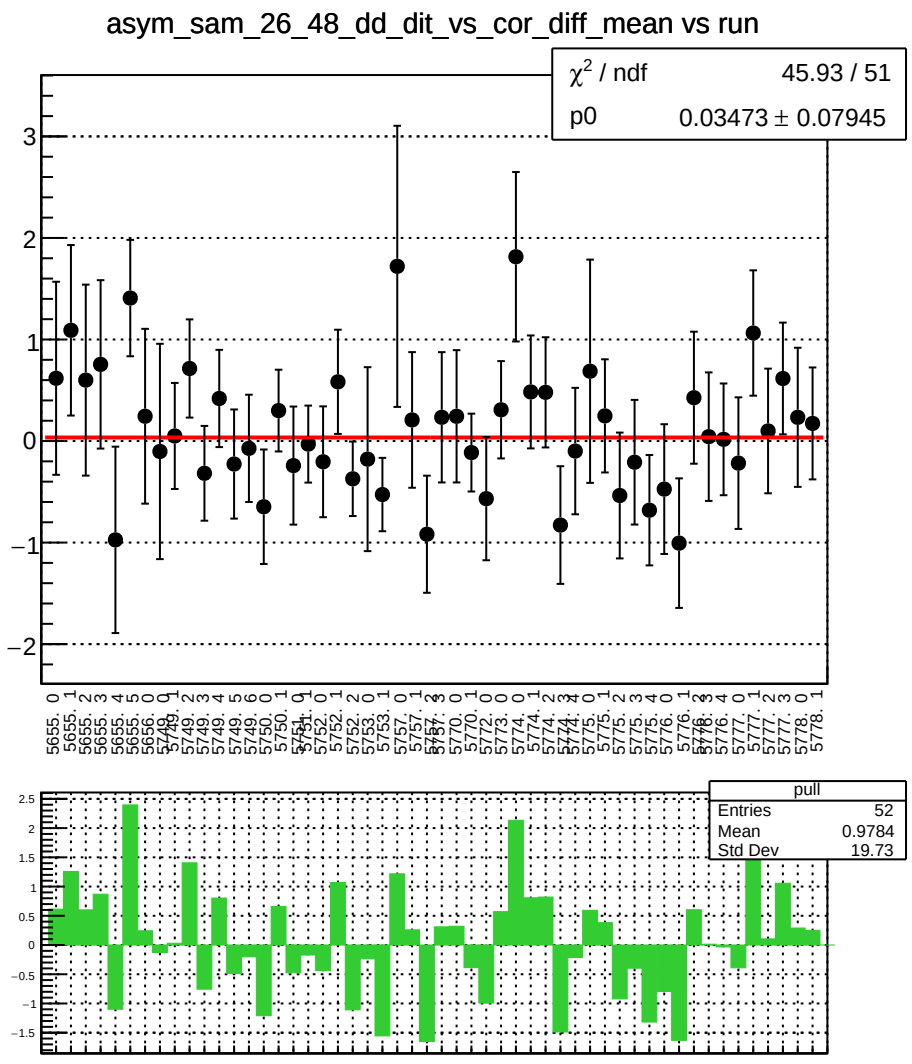
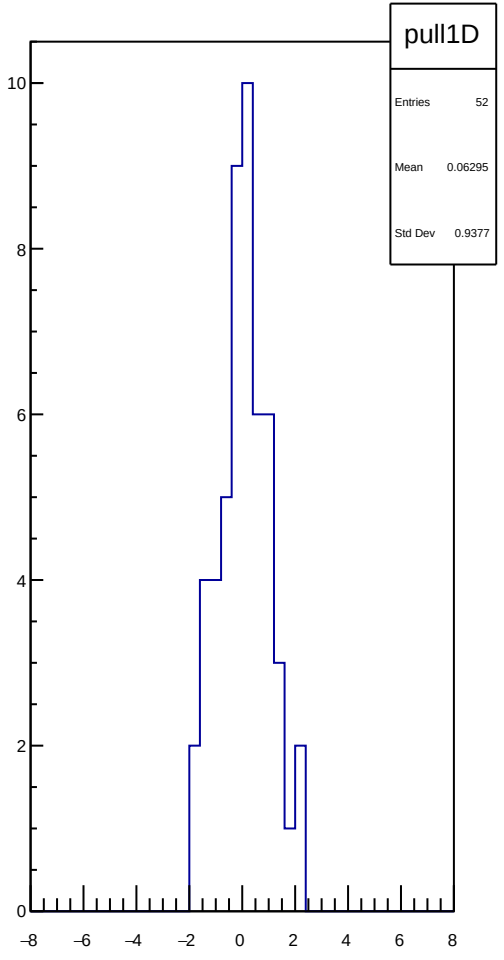
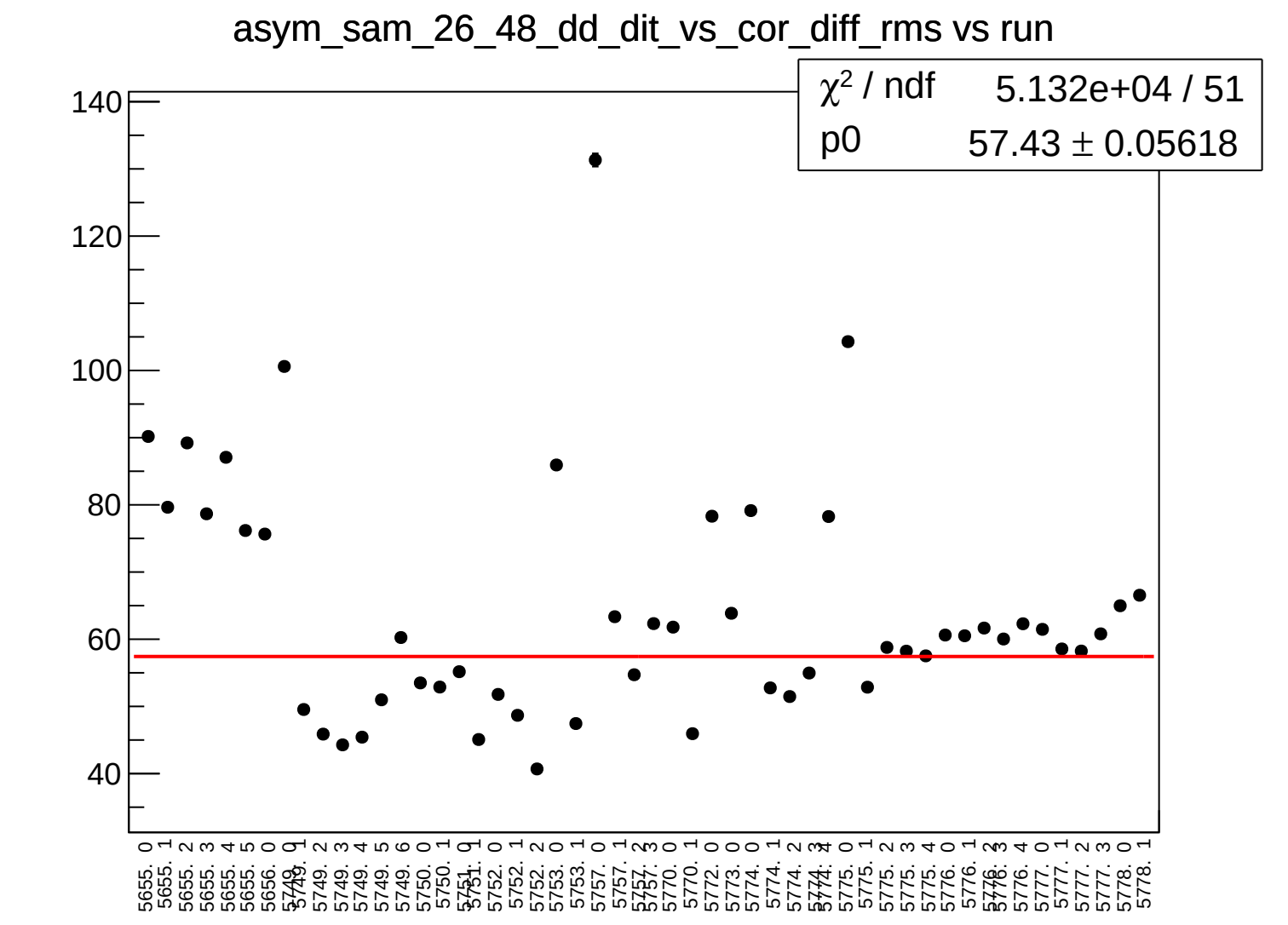
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_26_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 45.93 / 51
p0 0.03473 ± 0.07945
pull
Entries 52
Mean 0.9784
Std Dev 19.73


pull1D
Entries 52
Mean 0.06295
Std Dev 0.9377


asym_sam_26_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.132e+04 / 51
p0 57.43 ± 0.05618
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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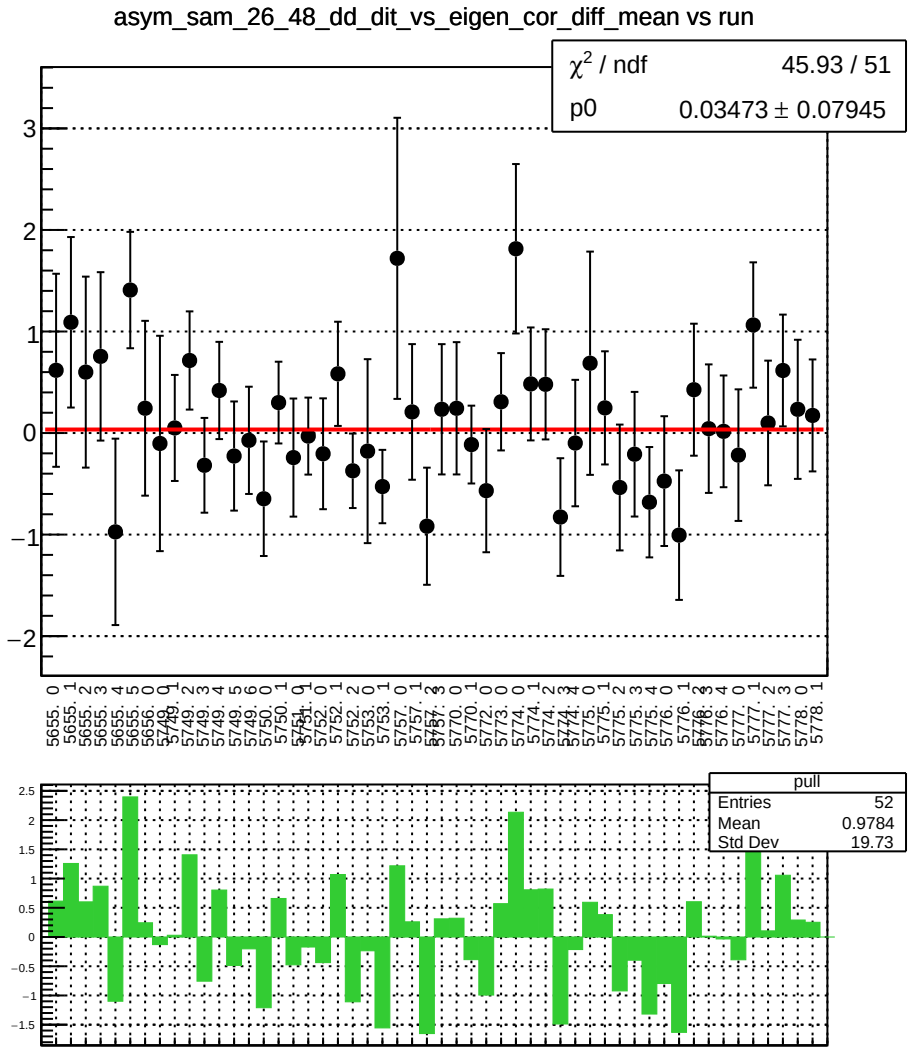
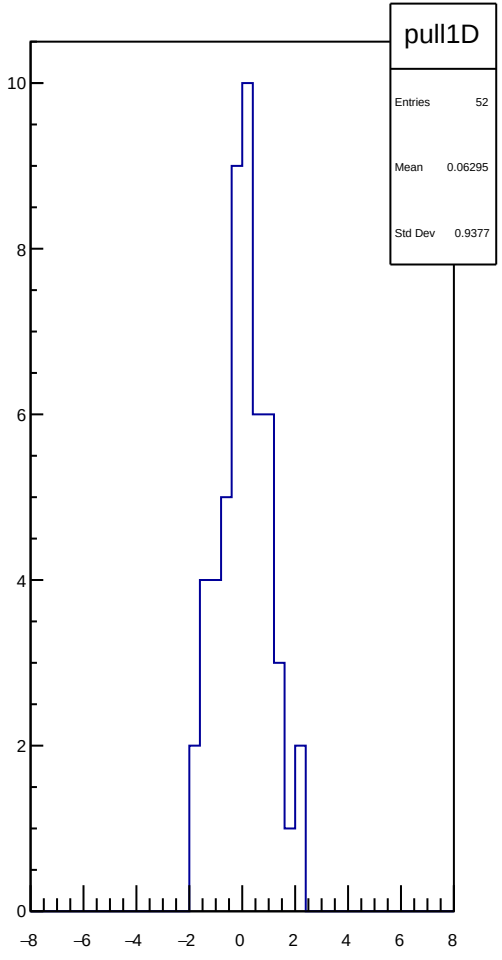
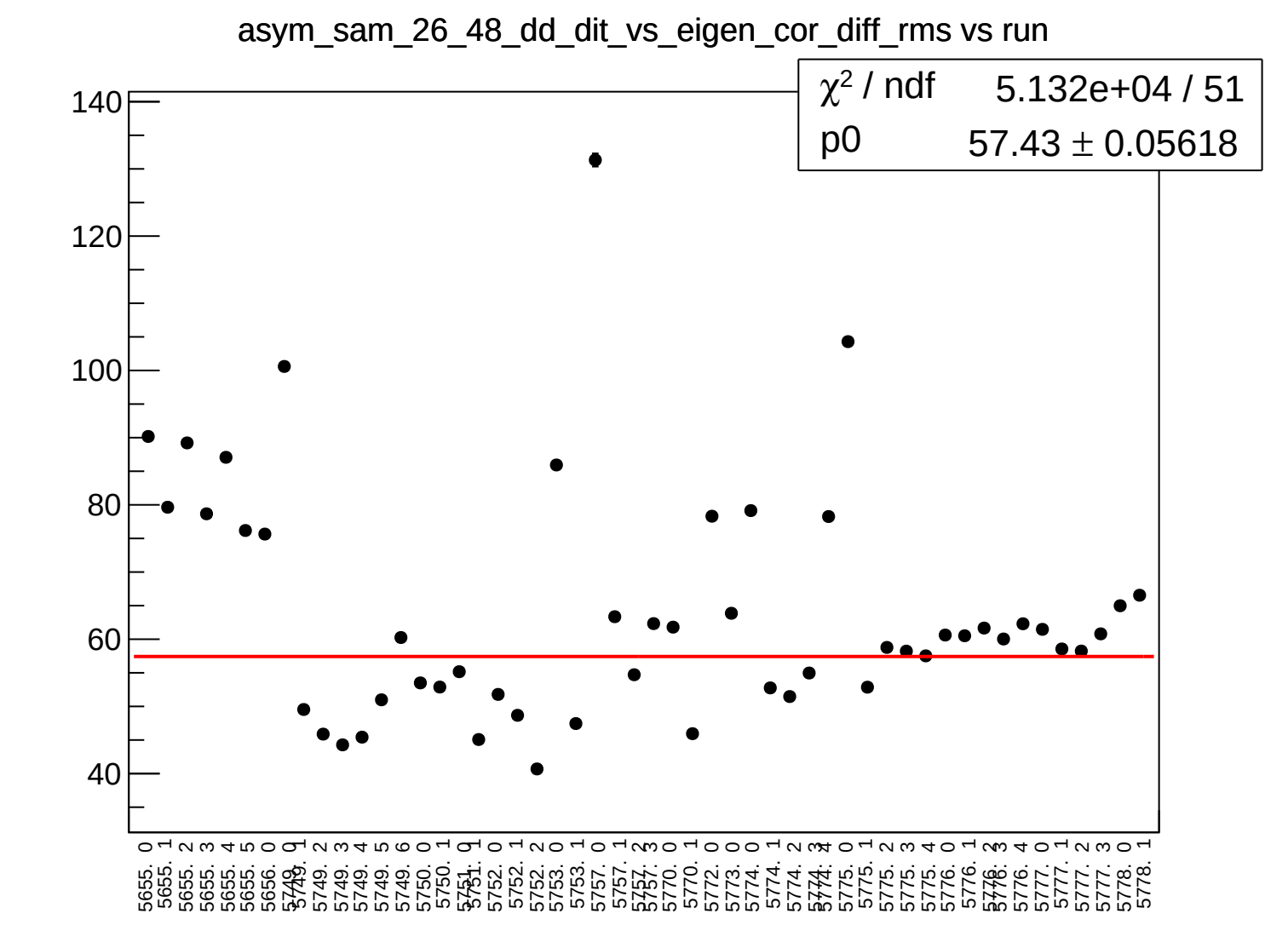
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ^2 / ndf 45.93 / 51
p0 0.03473 ± 0.07945
pull
Entries 52
Mean 0.9784
Std Dev 19.73


pull1D
Entries 52
Mean 0.06295
Std Dev 0.9377


asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.132e+04 / 51
p0 57.43 ± 0.05618
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
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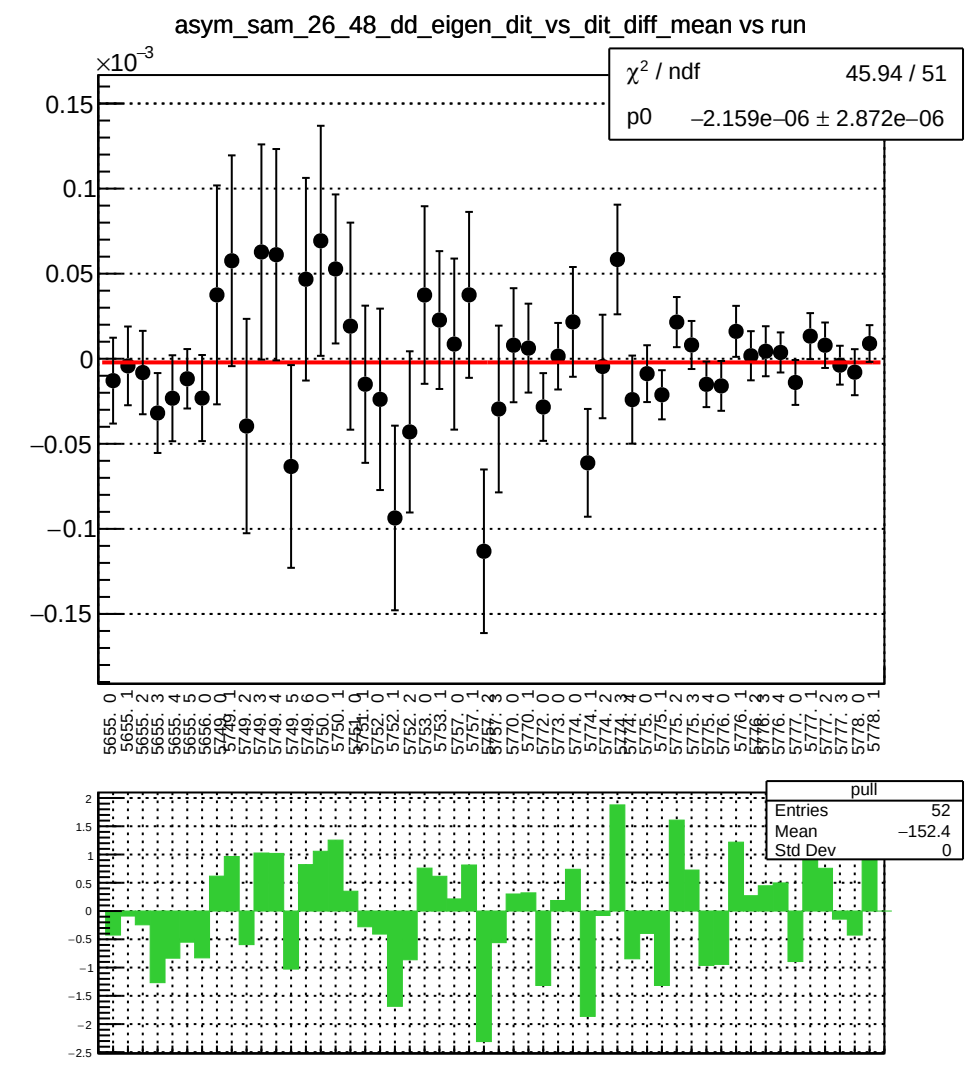
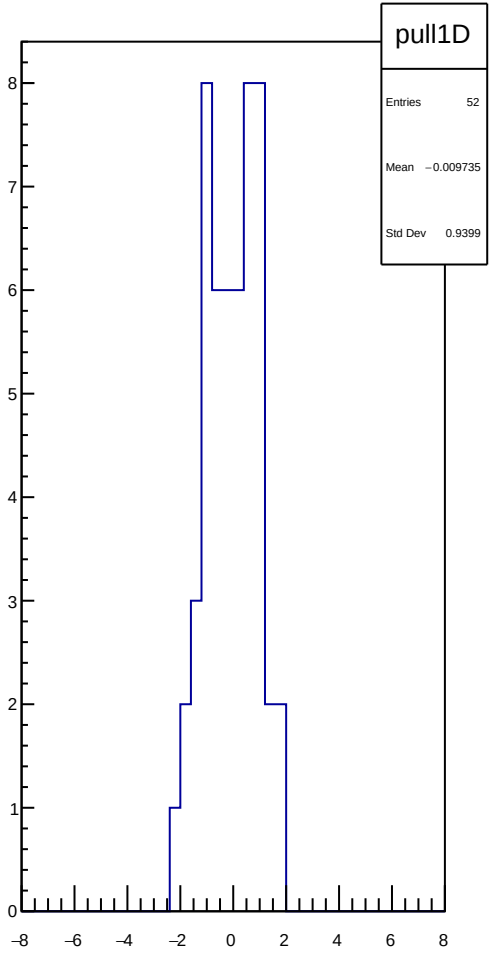
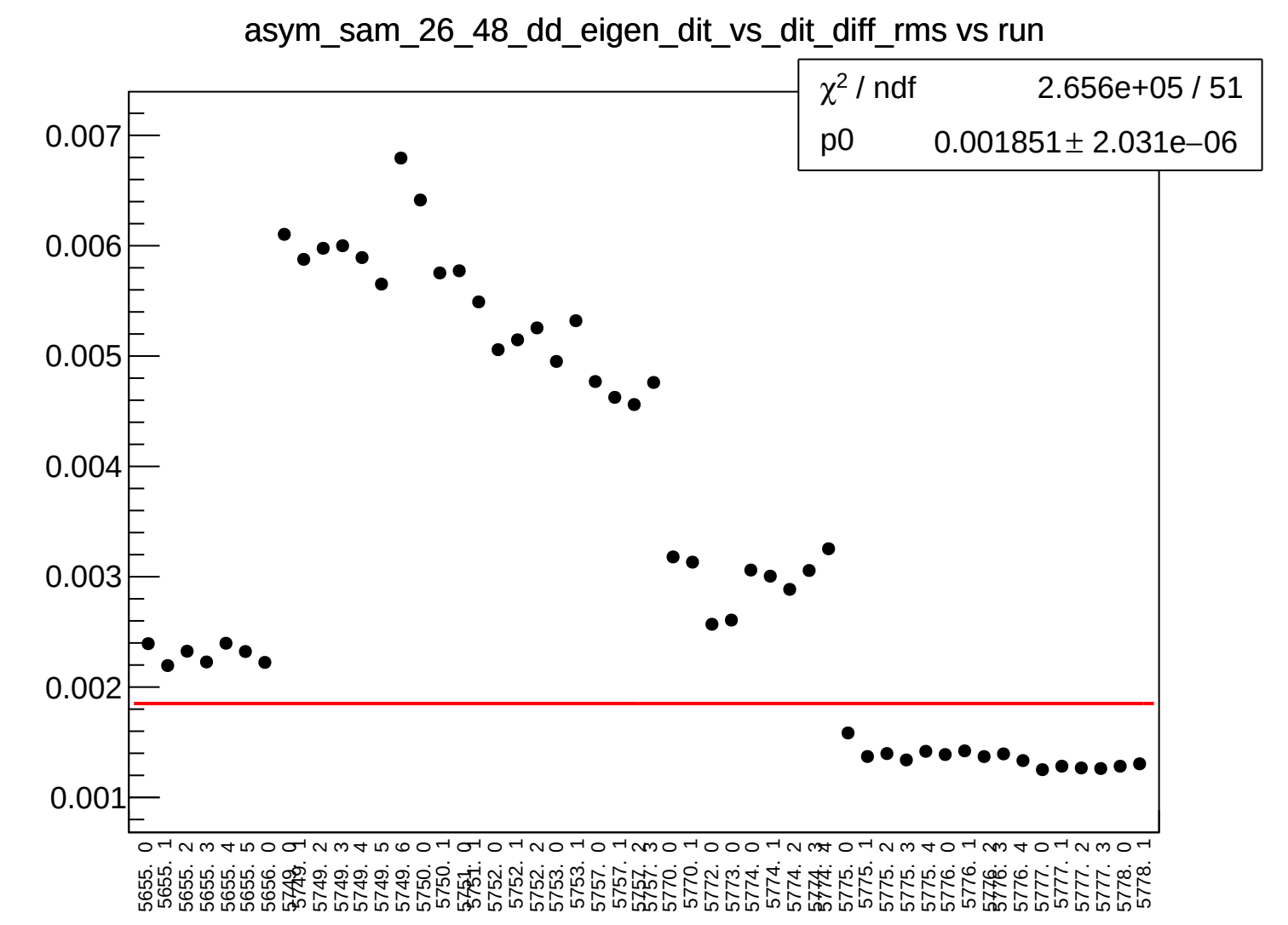
5778. 1


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 45.94 / 51
p0 −2.159e−06 ± 2.872e−06
pull
Entries 52
Mean −152.4
Std Dev 0


pull1D
Entries 52
Mean −0.009735
Std Dev 0.9399


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.656e+05 / 51
p0 0.001851 ± 2.031e−06
0.007
0.006
0.005
0.004
0.003
0.002
0.001
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
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5774. 4
5775. 0
5775. 1
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5776. 0
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5776. 3
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5777. 0
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5777. 2
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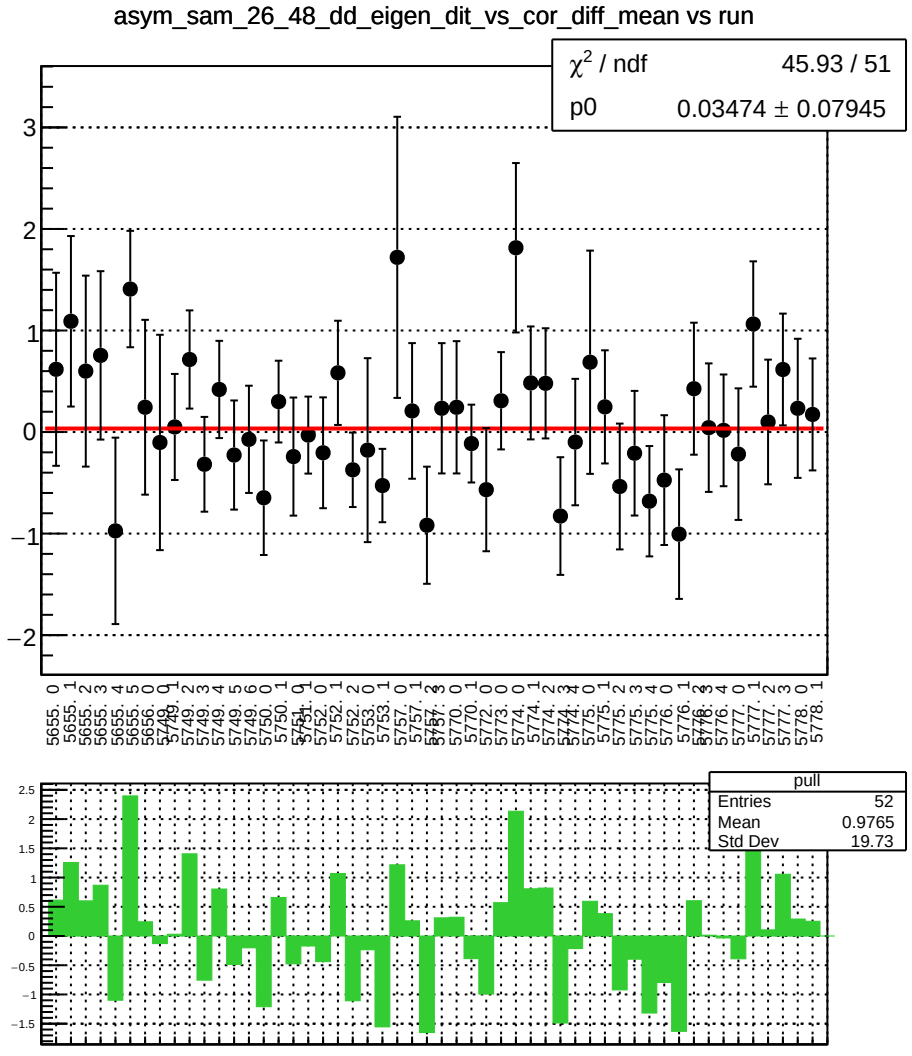
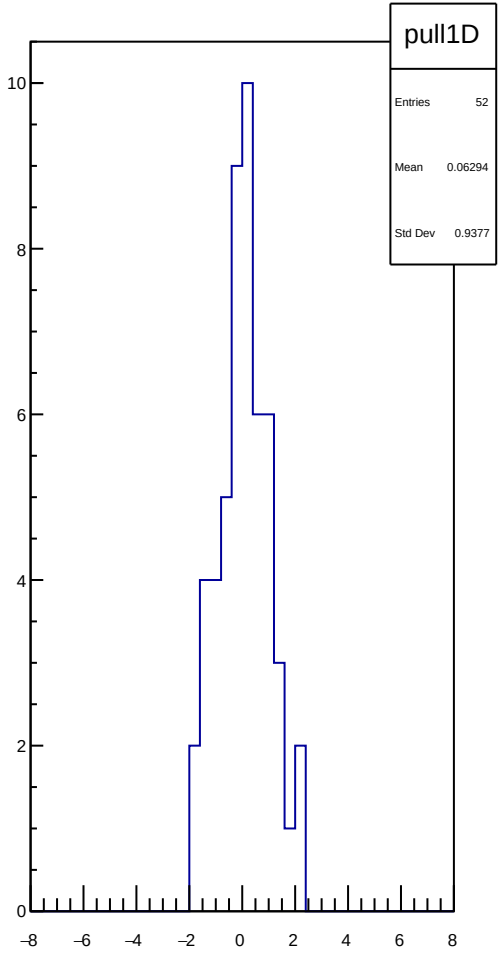
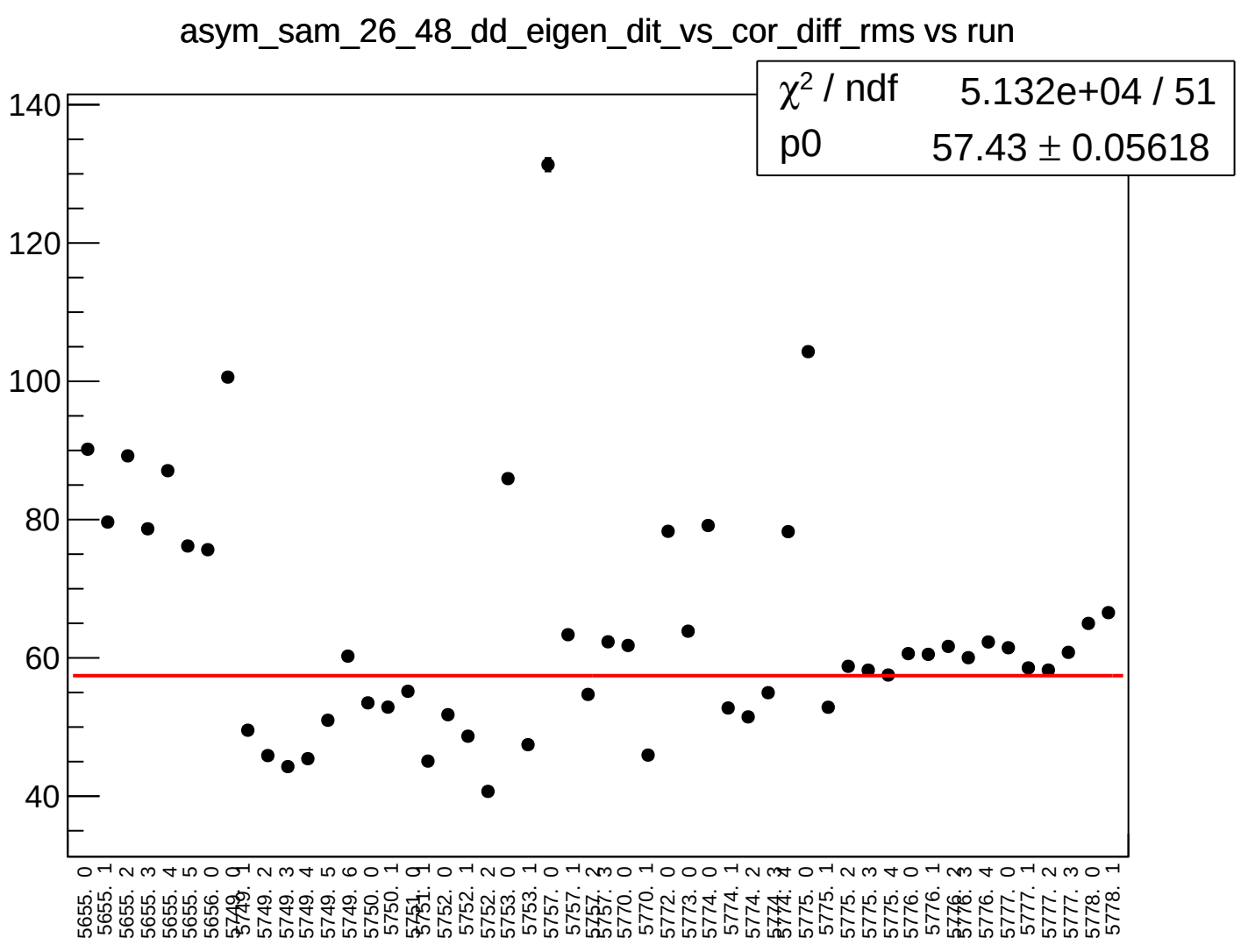
5778. 0
5778. 1


asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 45.93 / 51
p0 0.03474 ± 0.07945
pull
Entries 52
Mean 0.9765
Std Dev 19.73


pull1D
Entries 52
Mean 0.06294
Std Dev 0.9377


asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.132e+04 / 51
p0 57.43 ± 0.05618
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5776. 0
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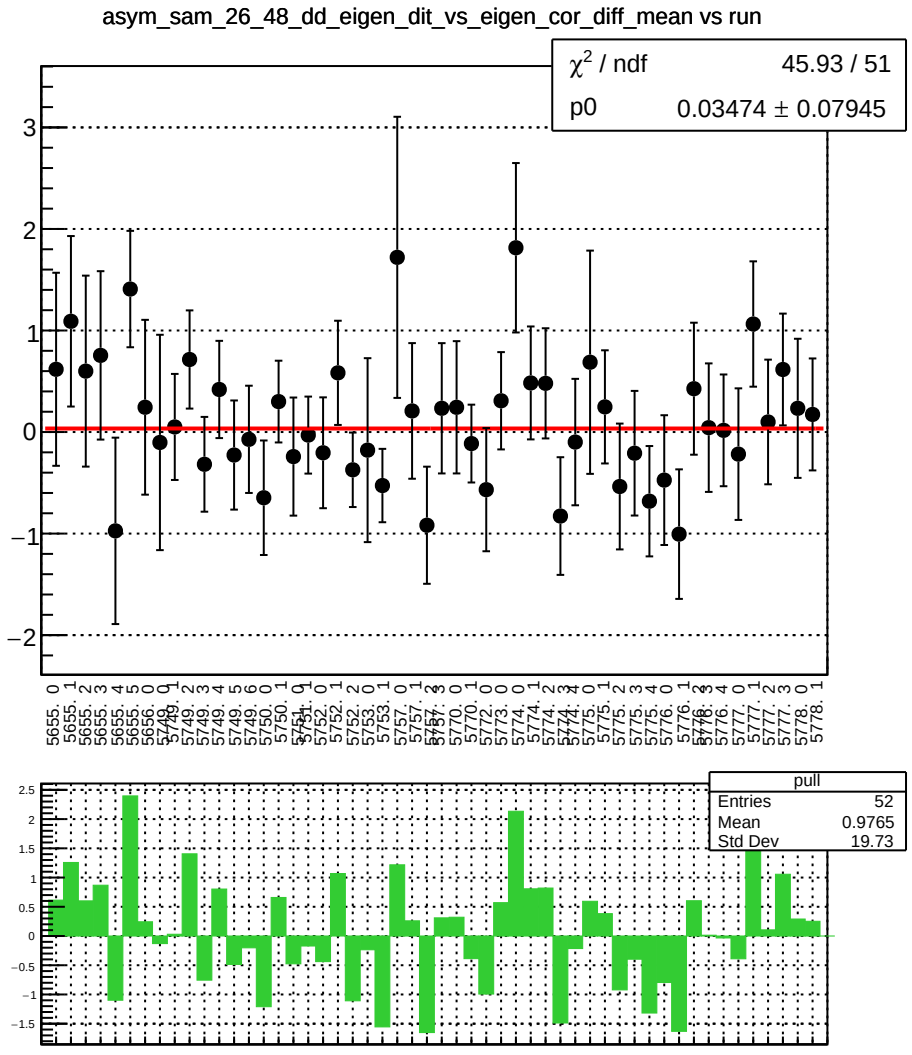
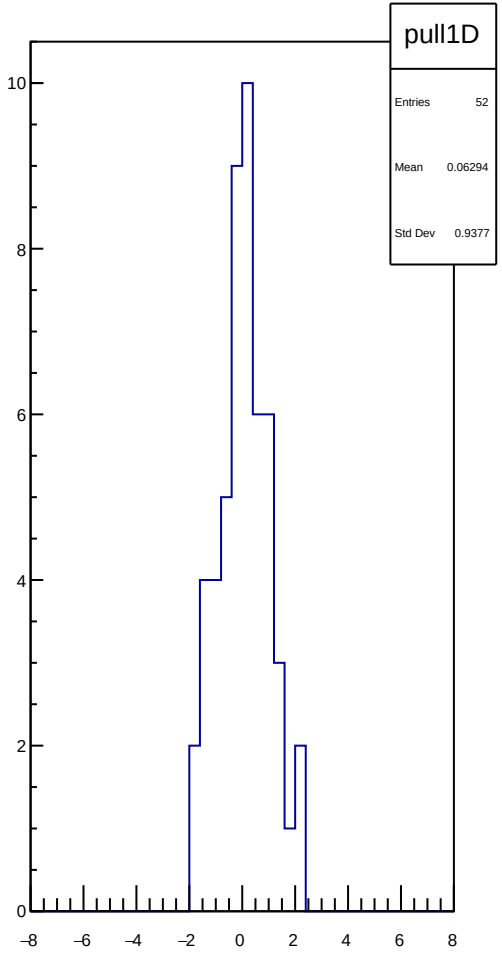
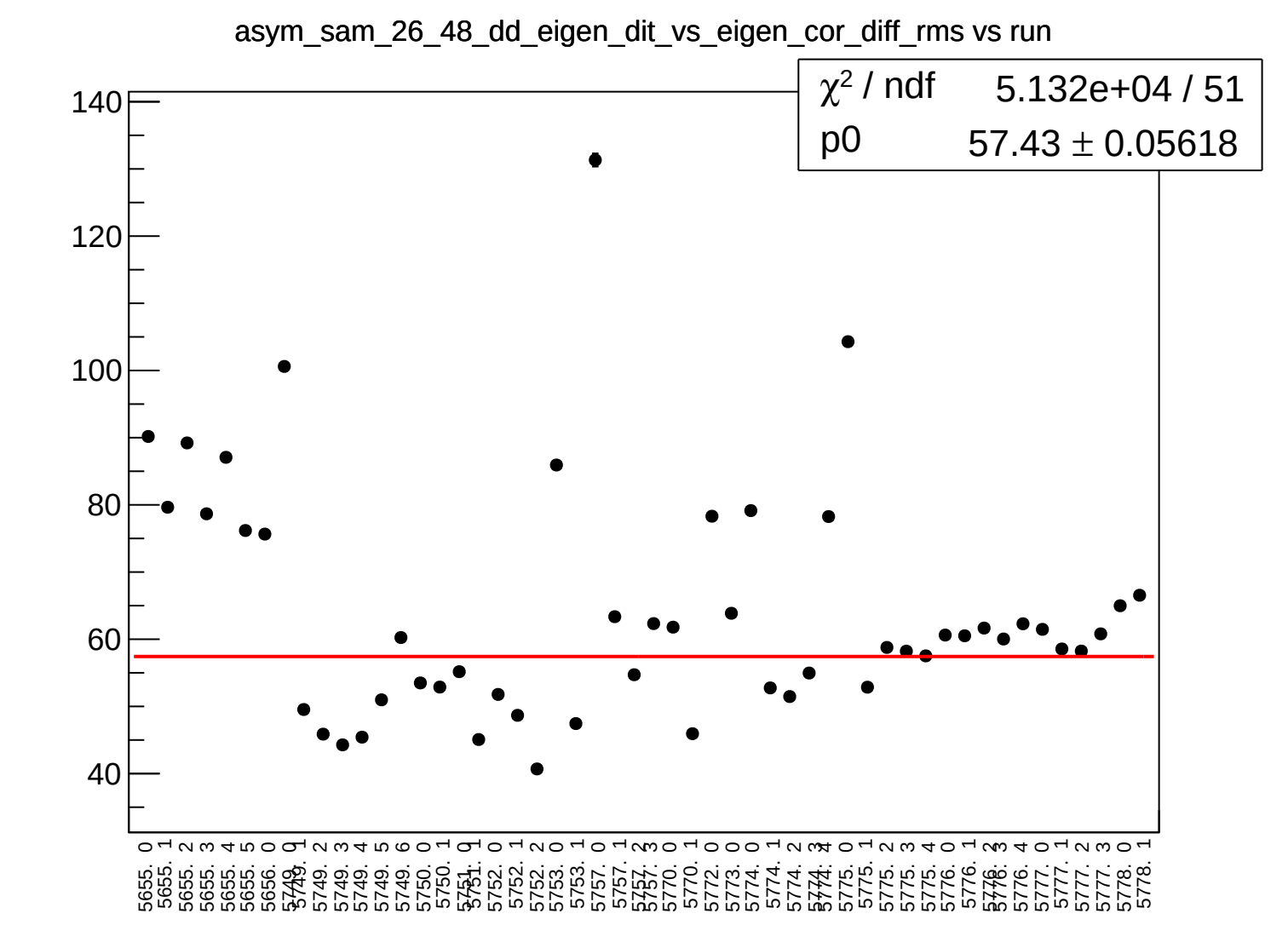
5778. 1


asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.93 / 51
p0 0.03474 ± 0.07945
pull
Entries 52
Mean 0.9765
Std Dev 19.73


pull1D
Entries 52
Mean 0.06294
Std Dev 0.9377


asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.132e+04 / 51
p0 57.43 ± 0.05618
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
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5770. 0
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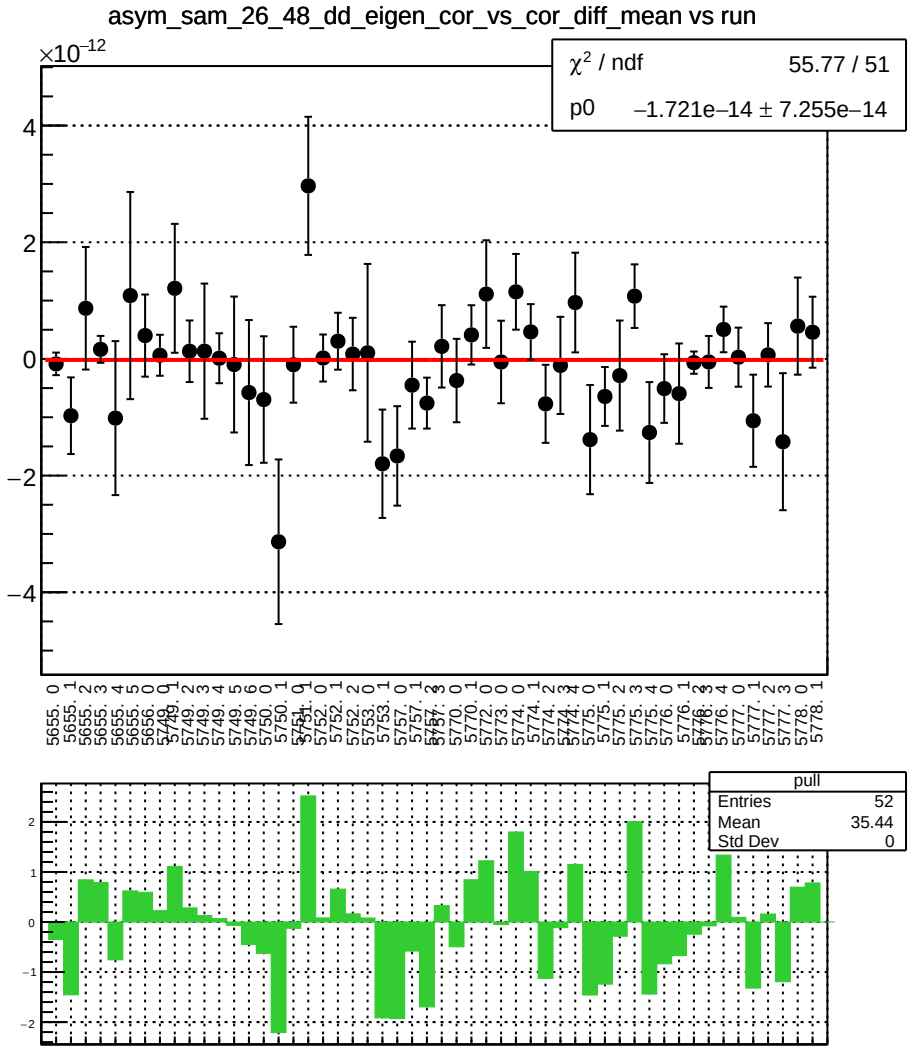
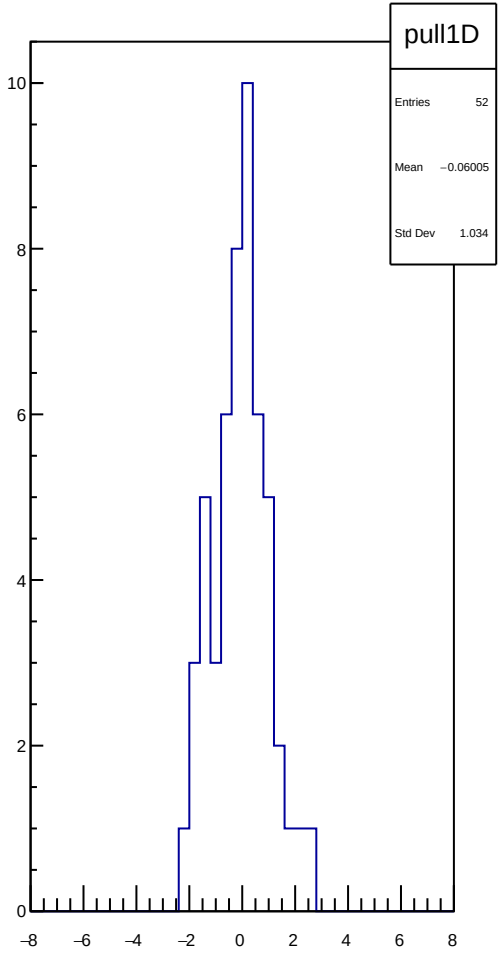
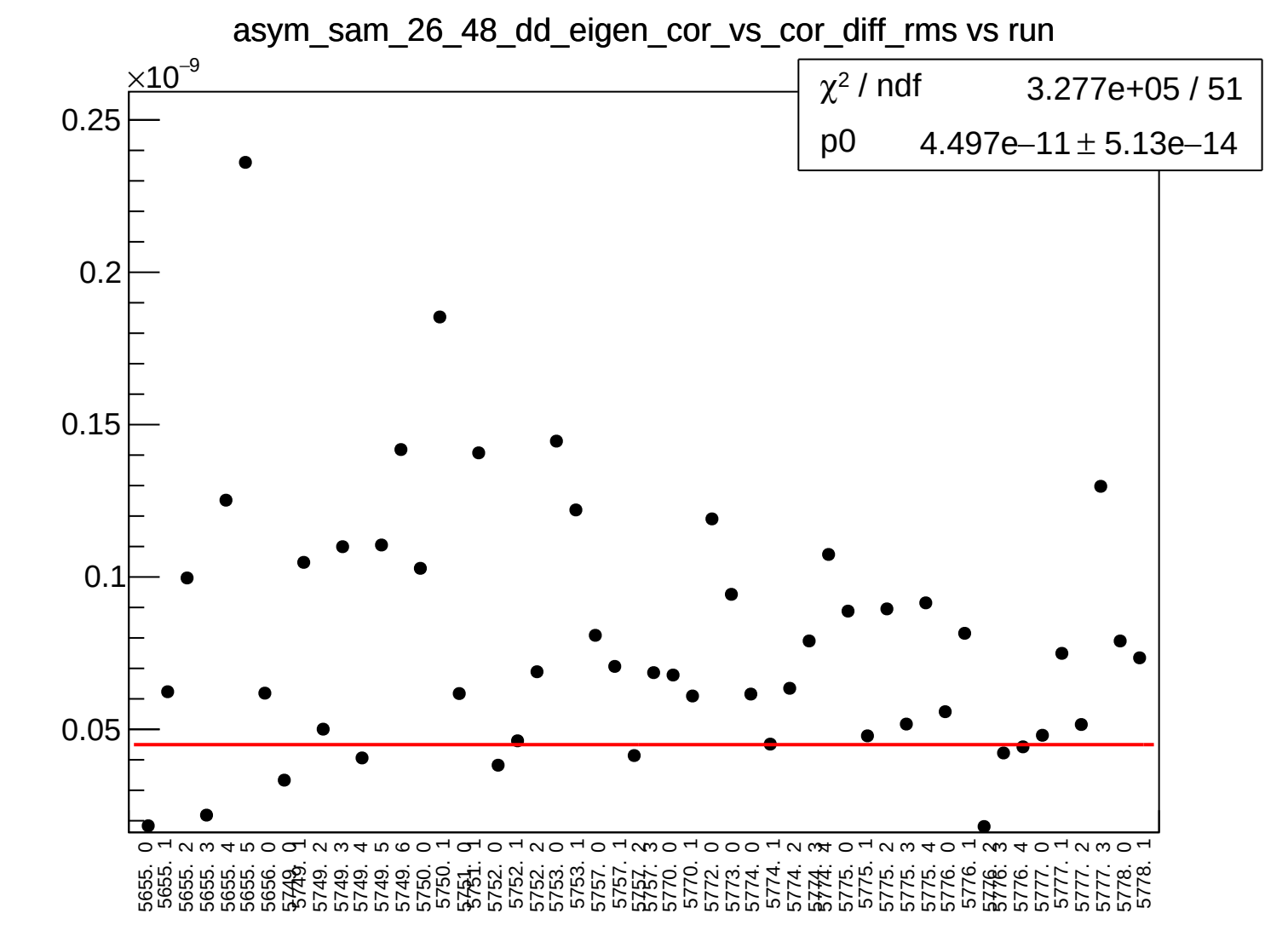
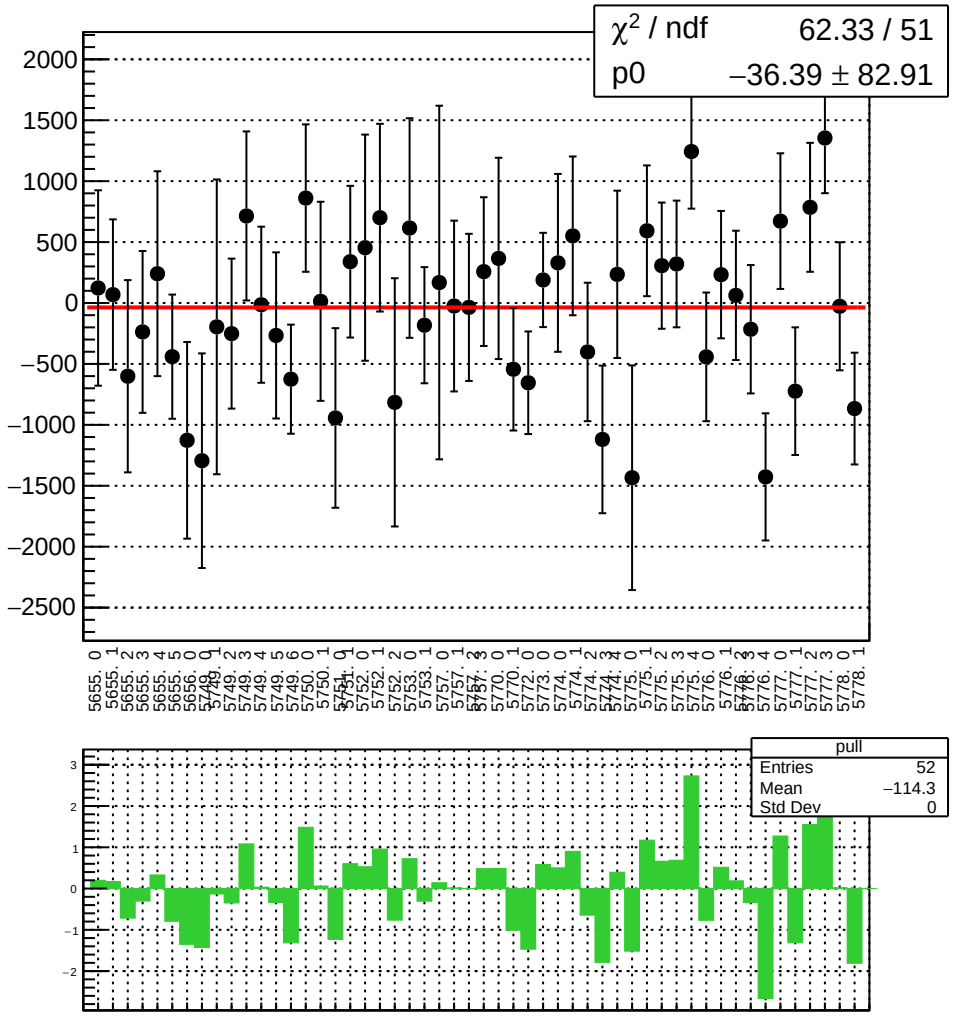
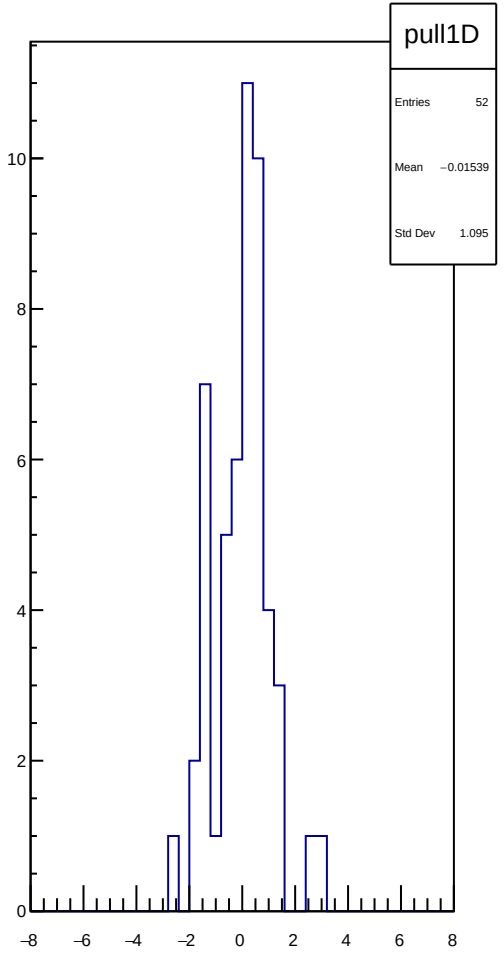
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

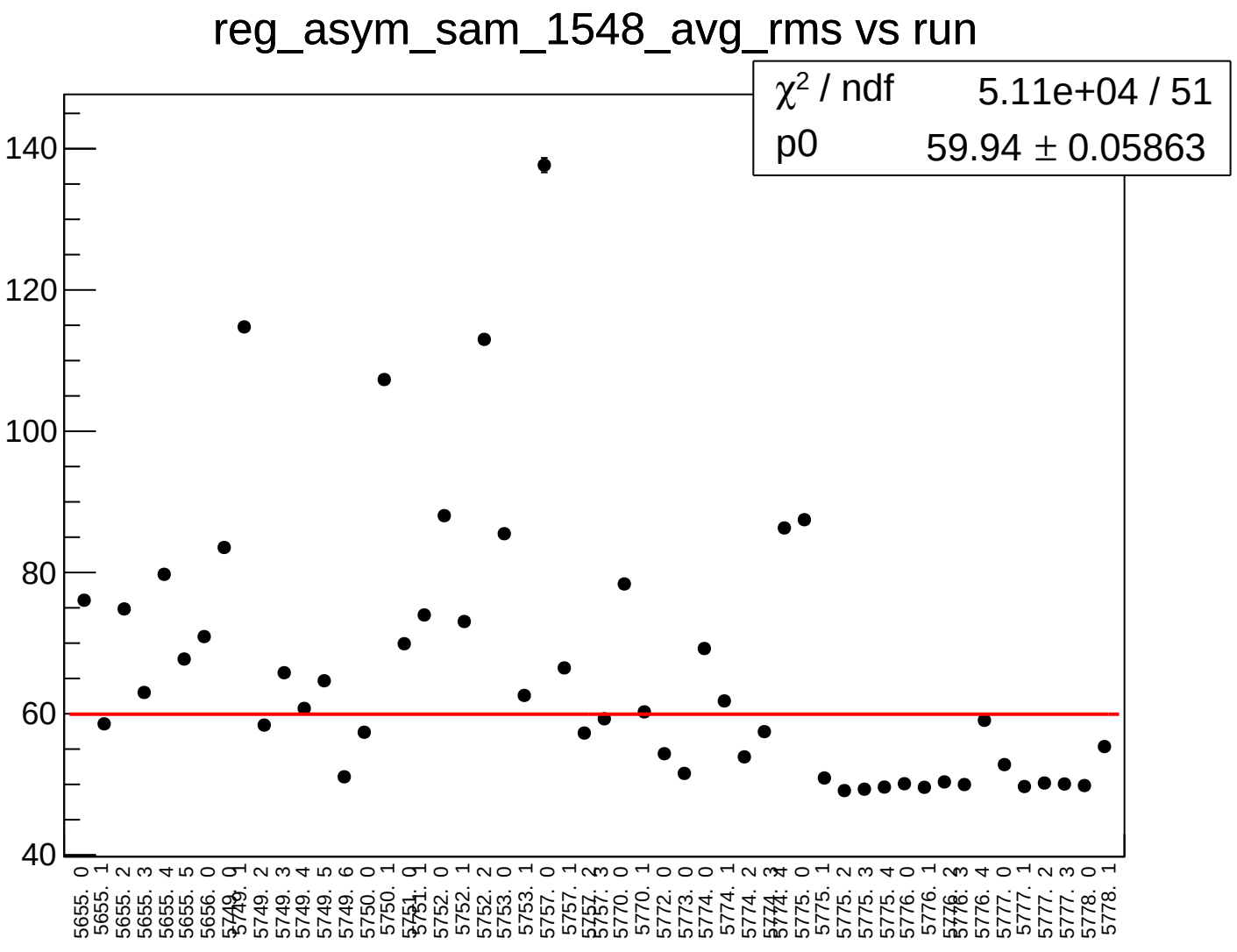

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.77 / 51
p0 −1.721e−14 ± 7.255e−14
pull
Entries 52
Mean 35.44
Std Dev 0

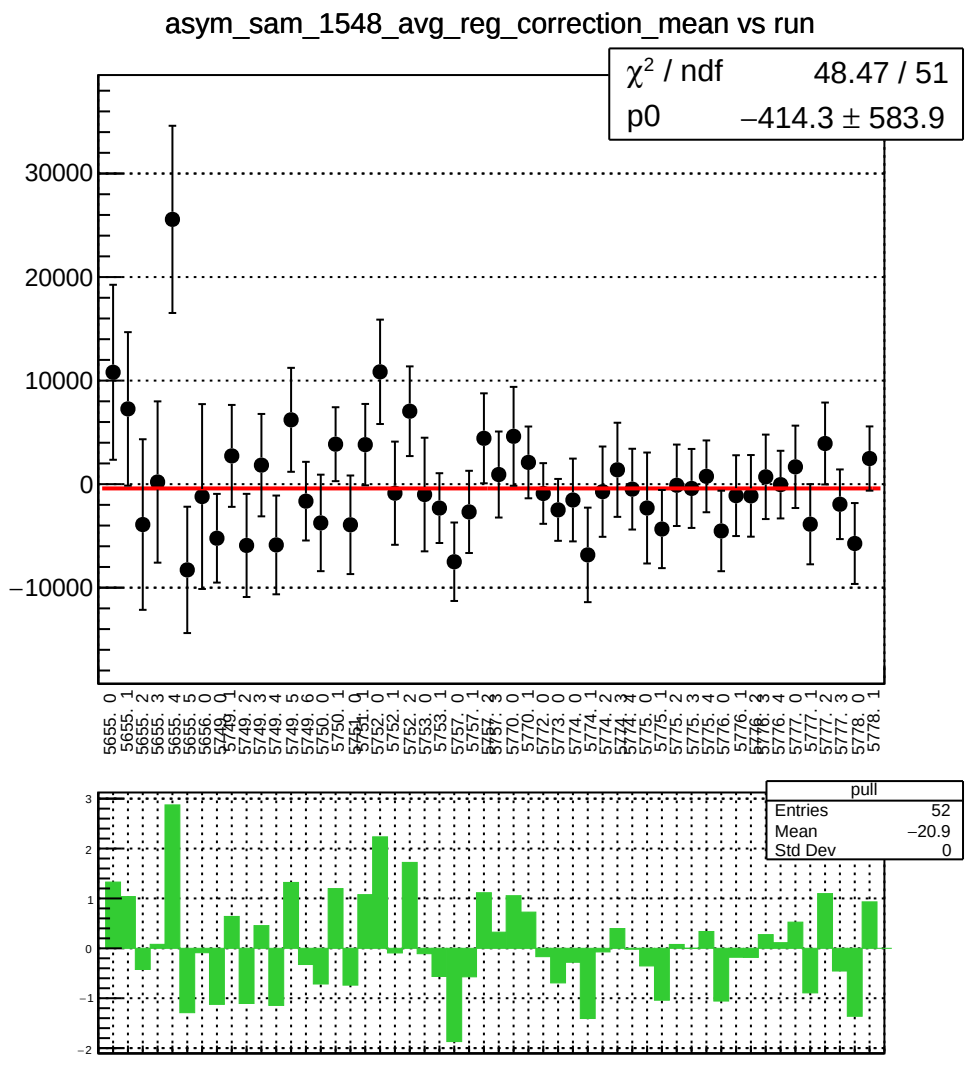

pull1D
Entries 52
Mean −0.06005
Std Dev 1.034

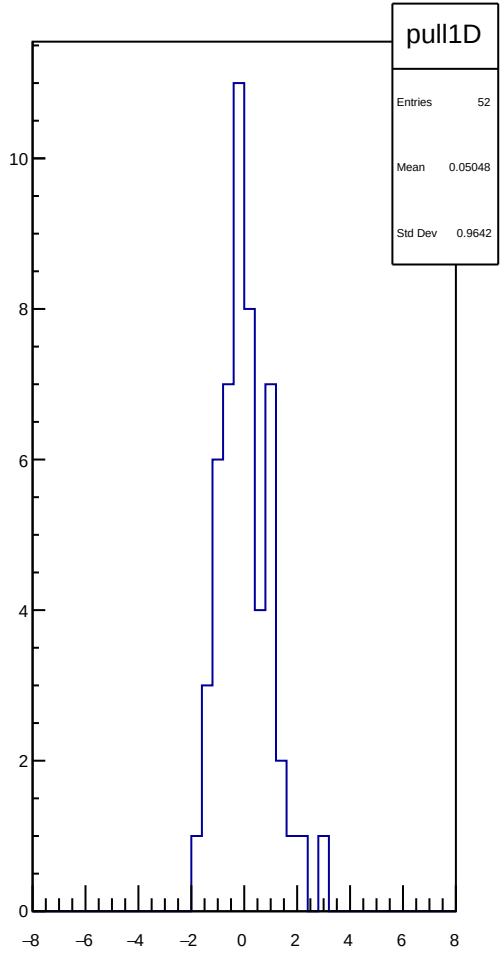

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.277e+05 / 51
p0 4.497e−11 ± 5.13e−14
0.25
0.2
0.15
0.1
0.05
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

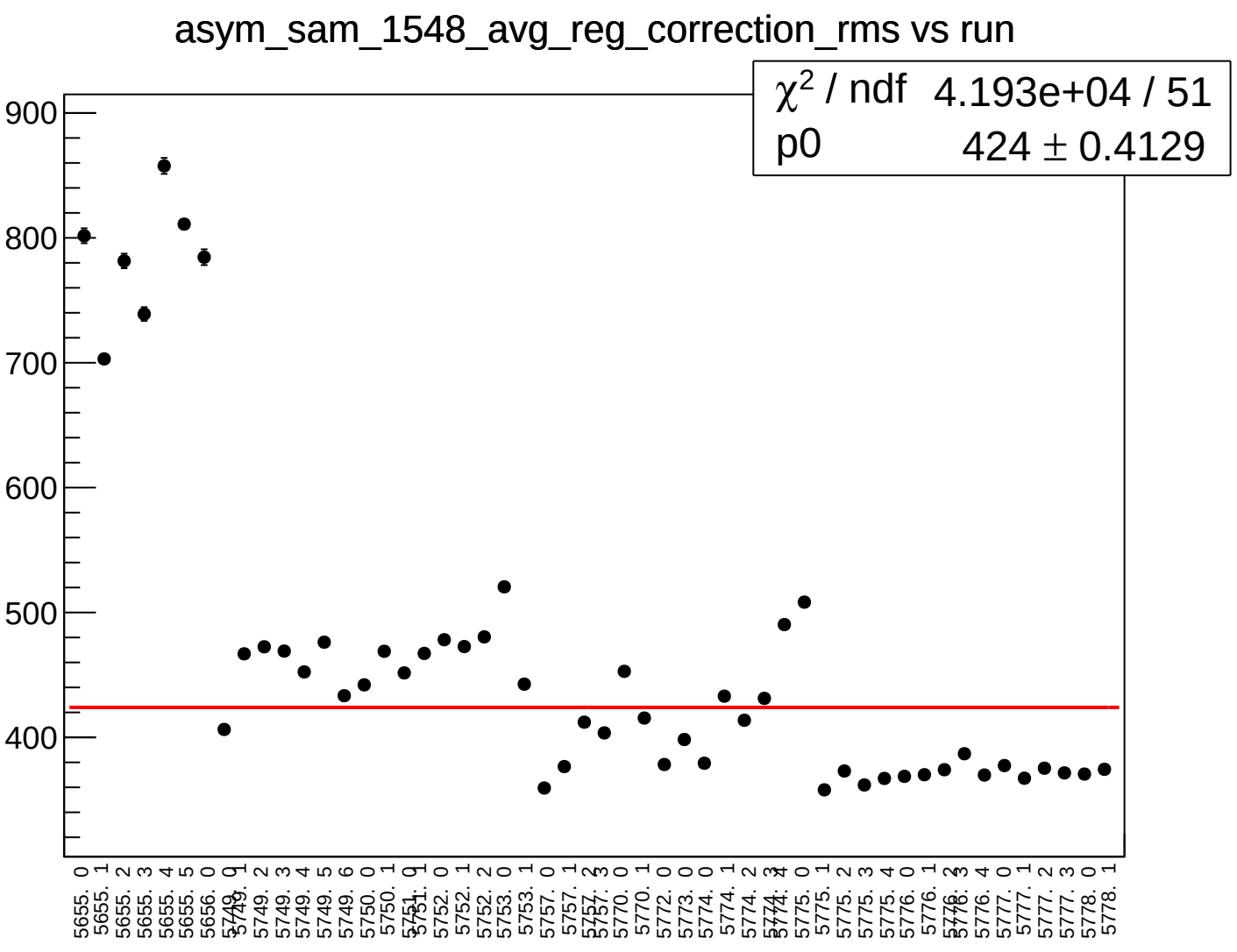

reg_asym_sam_1548_avg_mean vs run
χ² / ndf 62.33 / 51
p0 −36.39 ± 82.91
pull
Entries 52
Mean −114.3
Std Dev 0

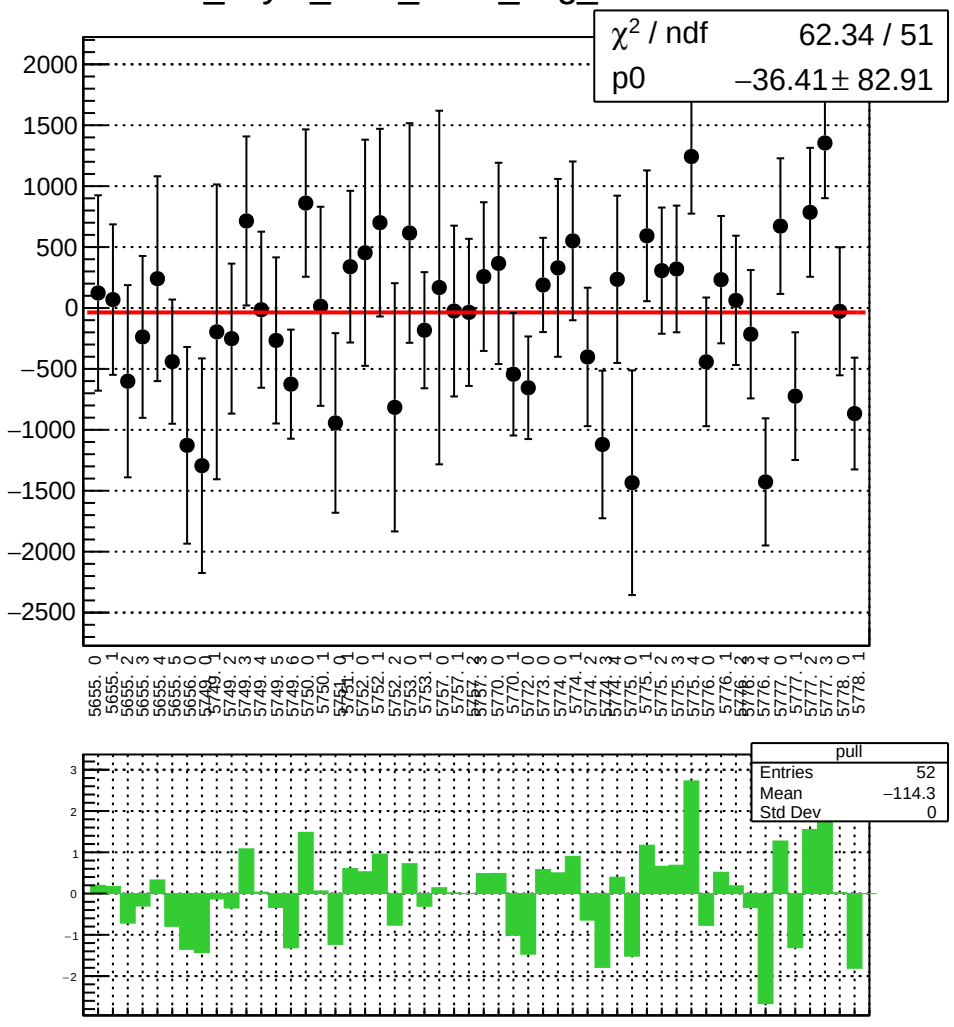

pull1D
Entries 52
Mean −0.01539
Std Dev 1.095

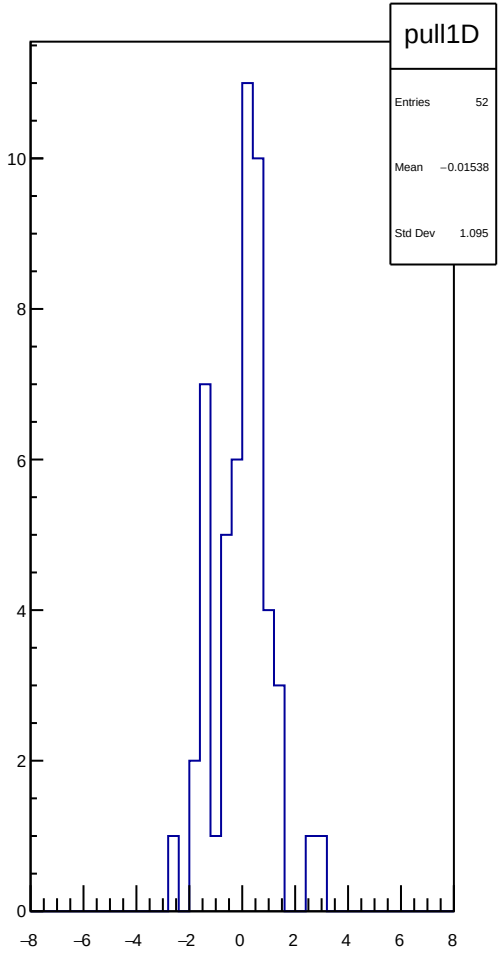

reg_asym_sam_1548_avg_rms vs run
χ² / ndf 5.11e+04 / 51
p0 59.94 ± 0.05863
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

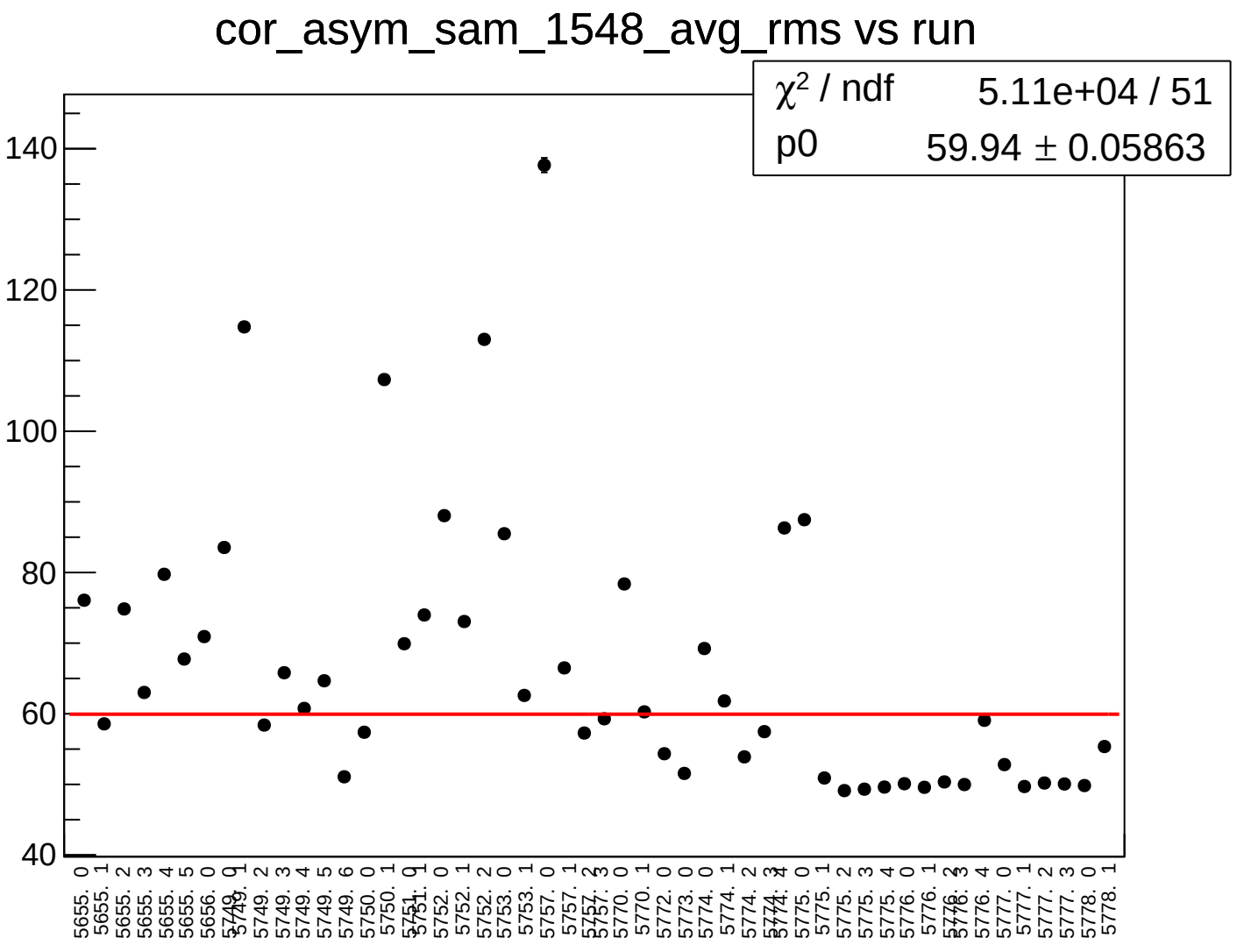

asym_sam_1548_avg_reg_correction_mean vs run
χ² / ndf 48.47 / 51
p0 −414.3 ± 583.9
30000
20000
10000
0
−10000
pull
Entries 52
Mean −20.9
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.05048
Std Dev 0.9642
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1548_avg_reg_correction_rms vs run
χ² / ndf 4.193e+04 / 51
p0 424 ± 0.4129
900
800
700
600
500
400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_sam_1548_avg_mean vs run
χ² / ndf 62.34 / 51
p0 −36.41 ± 82.91
pull
Entries 52
Mean −114.3
Std Dev 0


pull1D
Entries 52
Mean −0.01538
Std Dev 1.095


cor_asym_sam_1548_avg_rms vs run
χ^2 / ndf 5.11e+04 / 51
p0 59.94 ± 0.05863
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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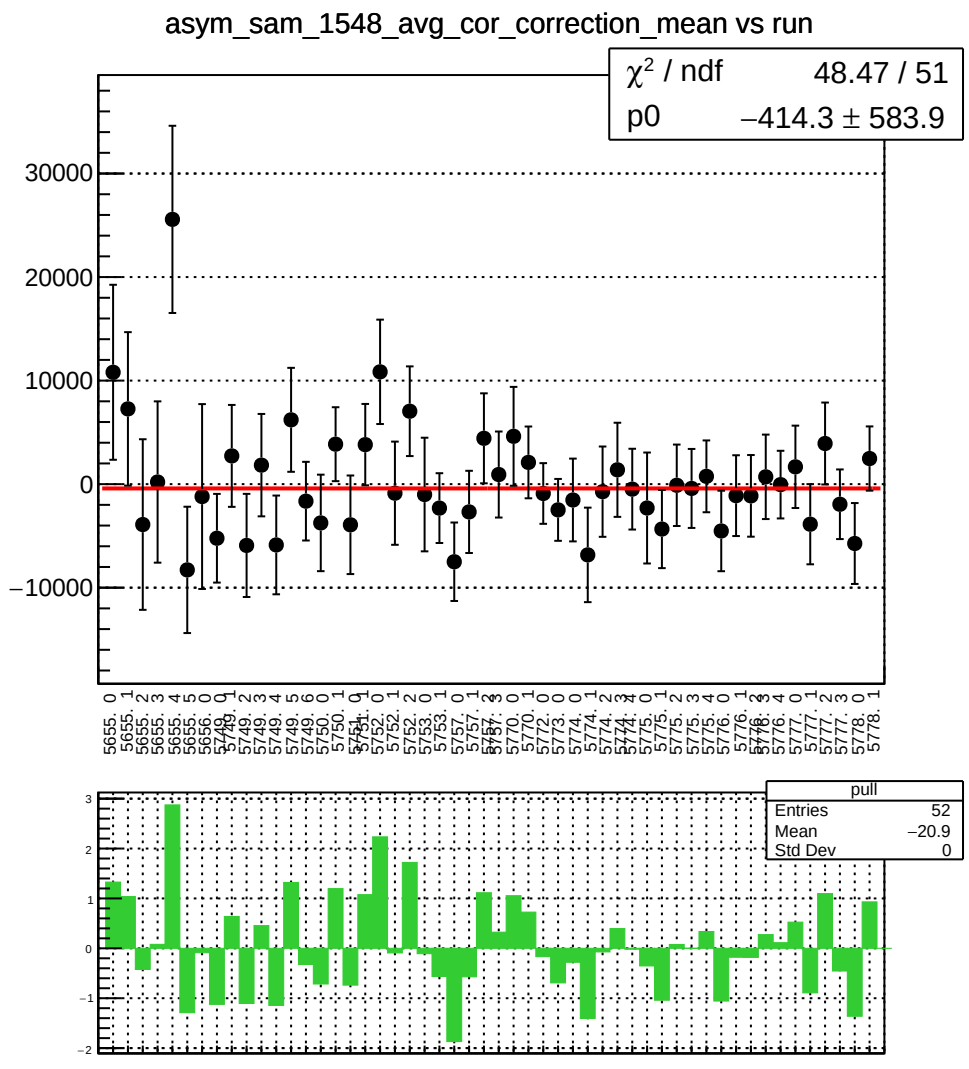
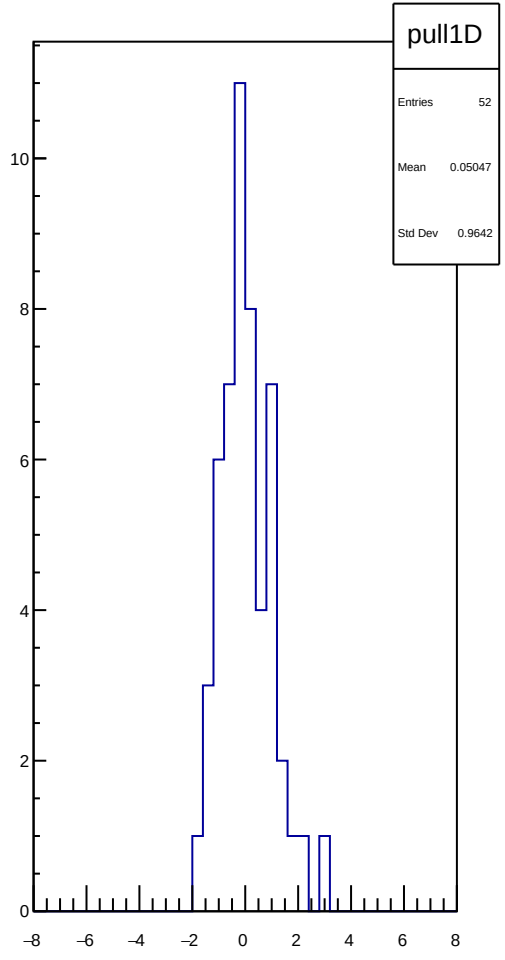
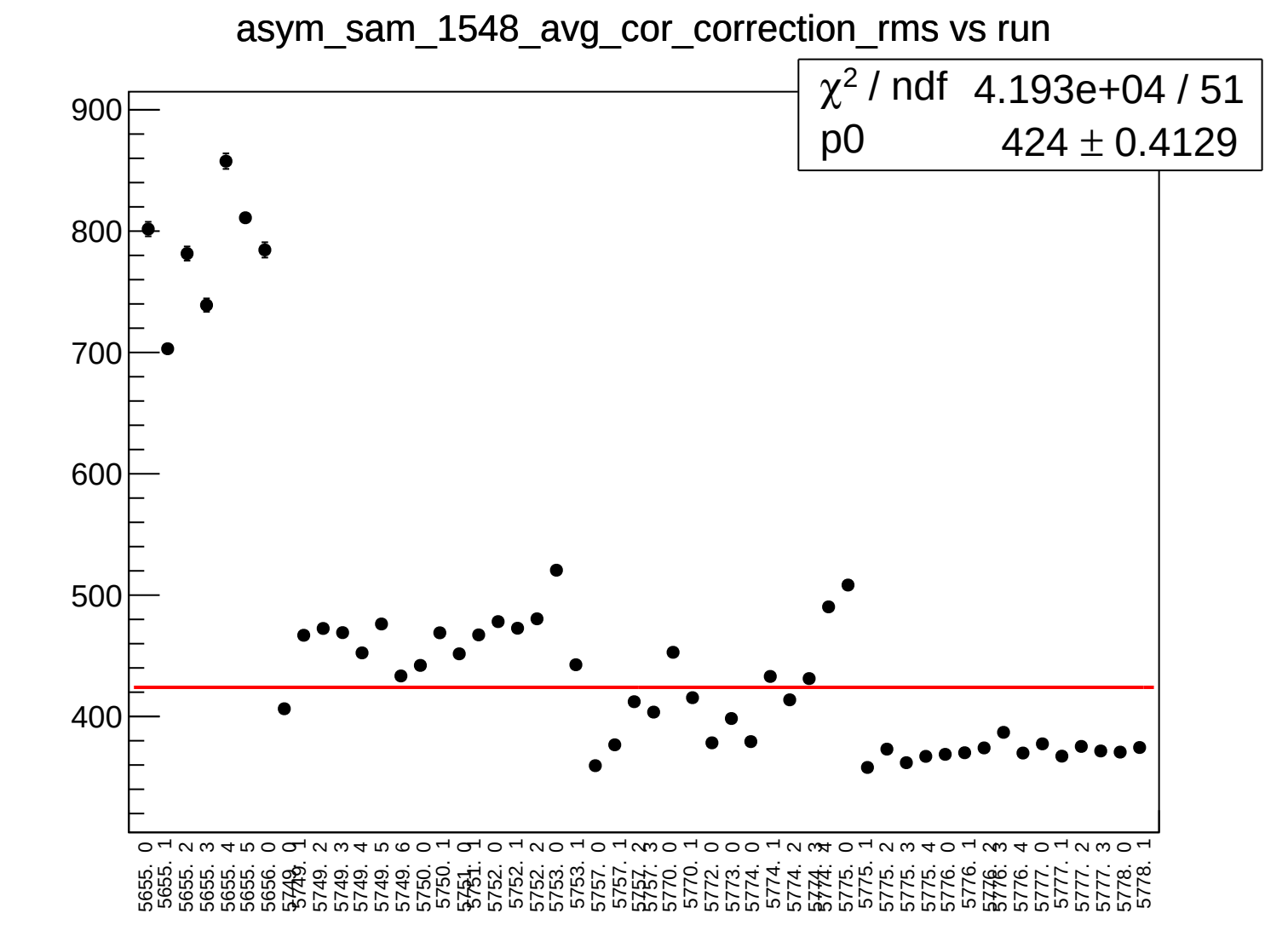
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_1548_avg_cor_correction_mean vs run
χ² / ndf 48.47 / 51
p0 −414.3 ± 583.9
30000
20000
10000
0
−10000
pull
Entries 52
Mean −20.9
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.05047
Std Dev 0.9642
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1548_avg_cor_correction_rms vs run
χ² / ndf 4.193e+04 / 51
p0 424 ± 0.4129
900
800
700
600
500
400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
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5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5773. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
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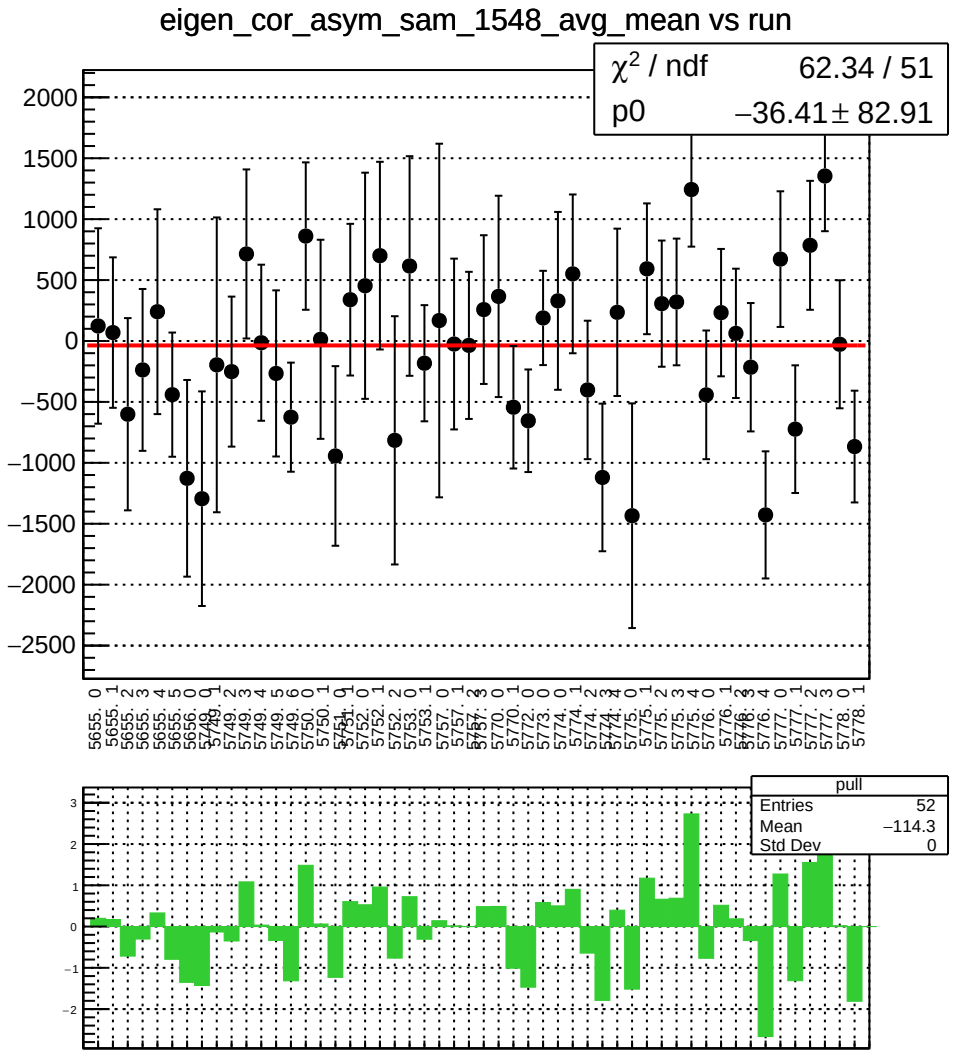
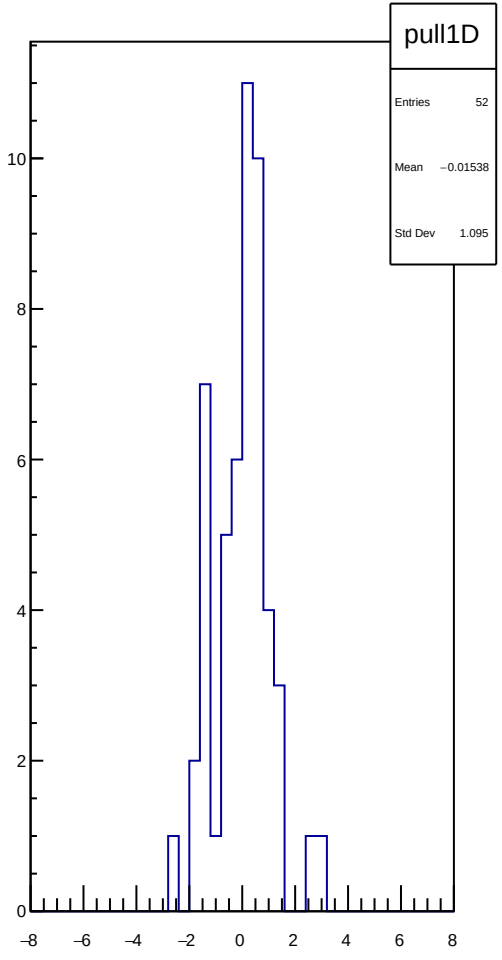
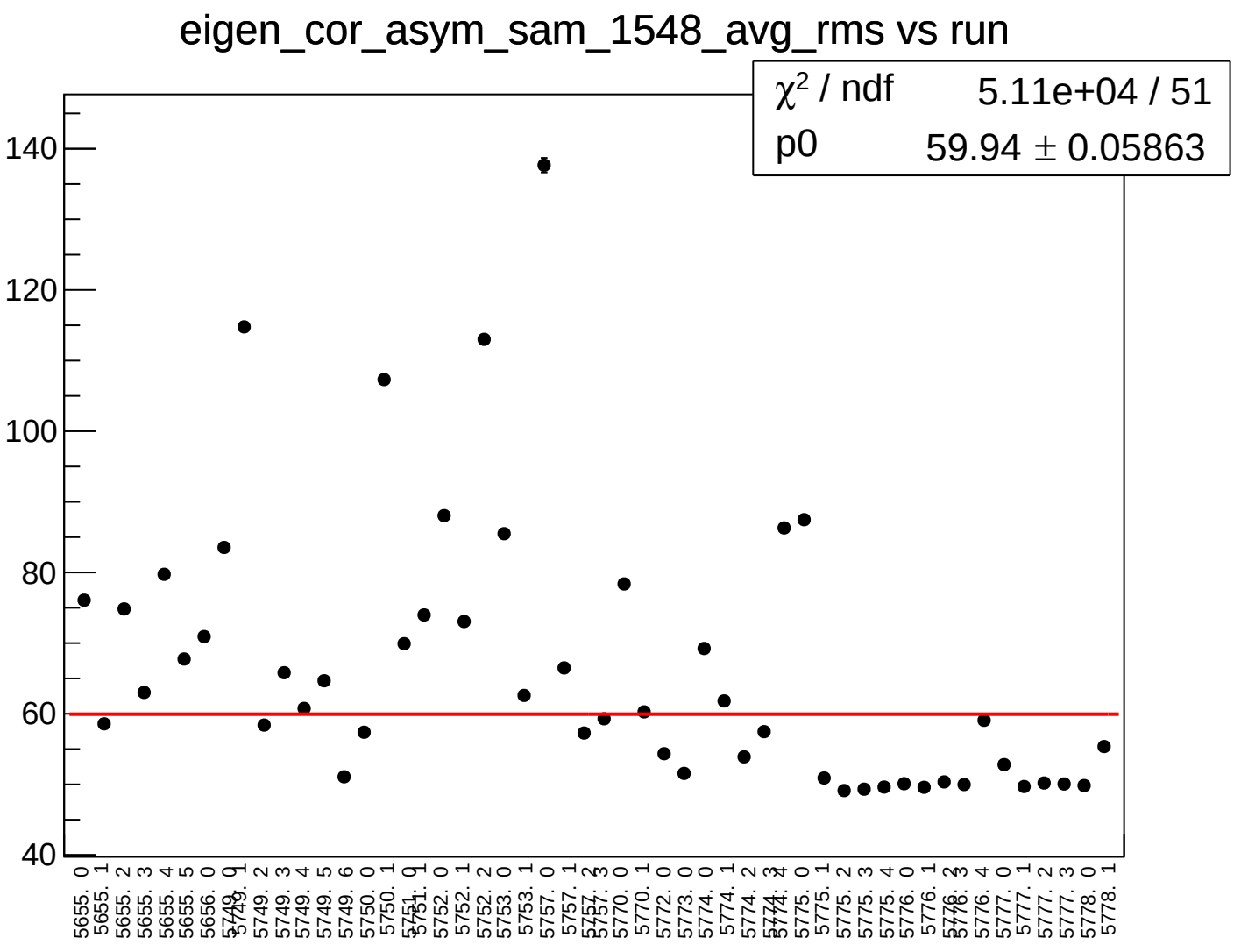
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_sam_1548_avg_mean vs run
χ² / ndf 62.34 / 51
p0 −36.41 ± 82.91
pull
Entries 52
Mean −114.3
Std Dev 0


pull1D
Entries 52
Mean −0.01538
Std Dev 1.095


eigen_cor_asym_sam_1548_avg_rms vs run
χ² / ndf 5.11e+04 / 51
p0 59.94 ± 0.05863
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5749. 6
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5750. 1
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5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5770. 1
5772. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
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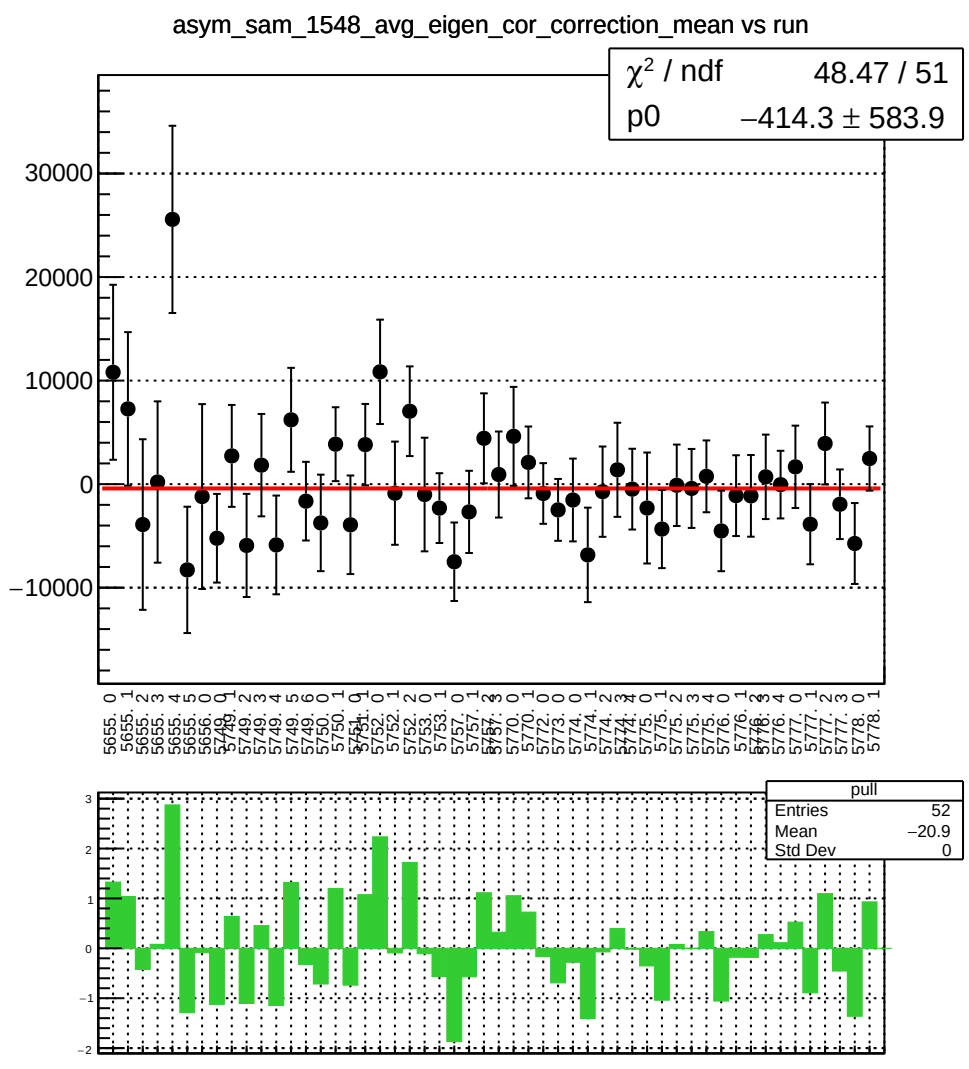
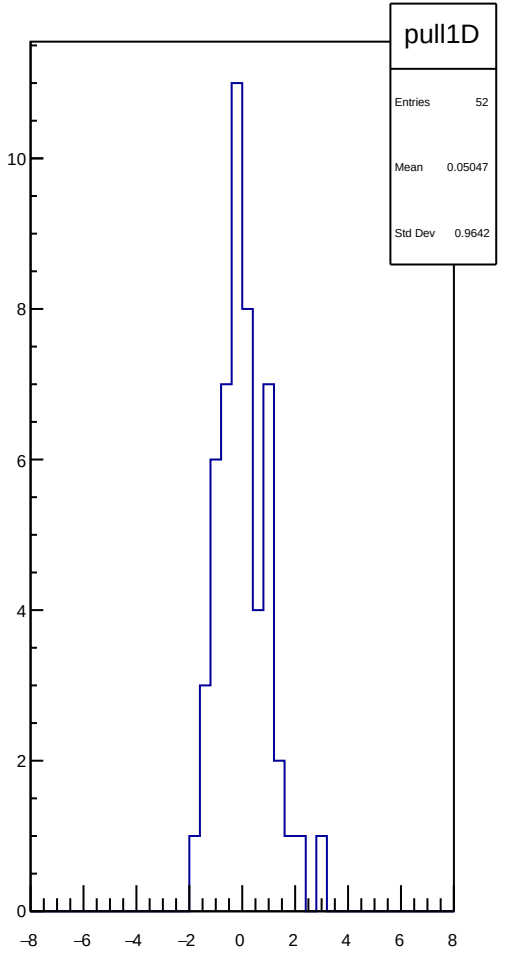
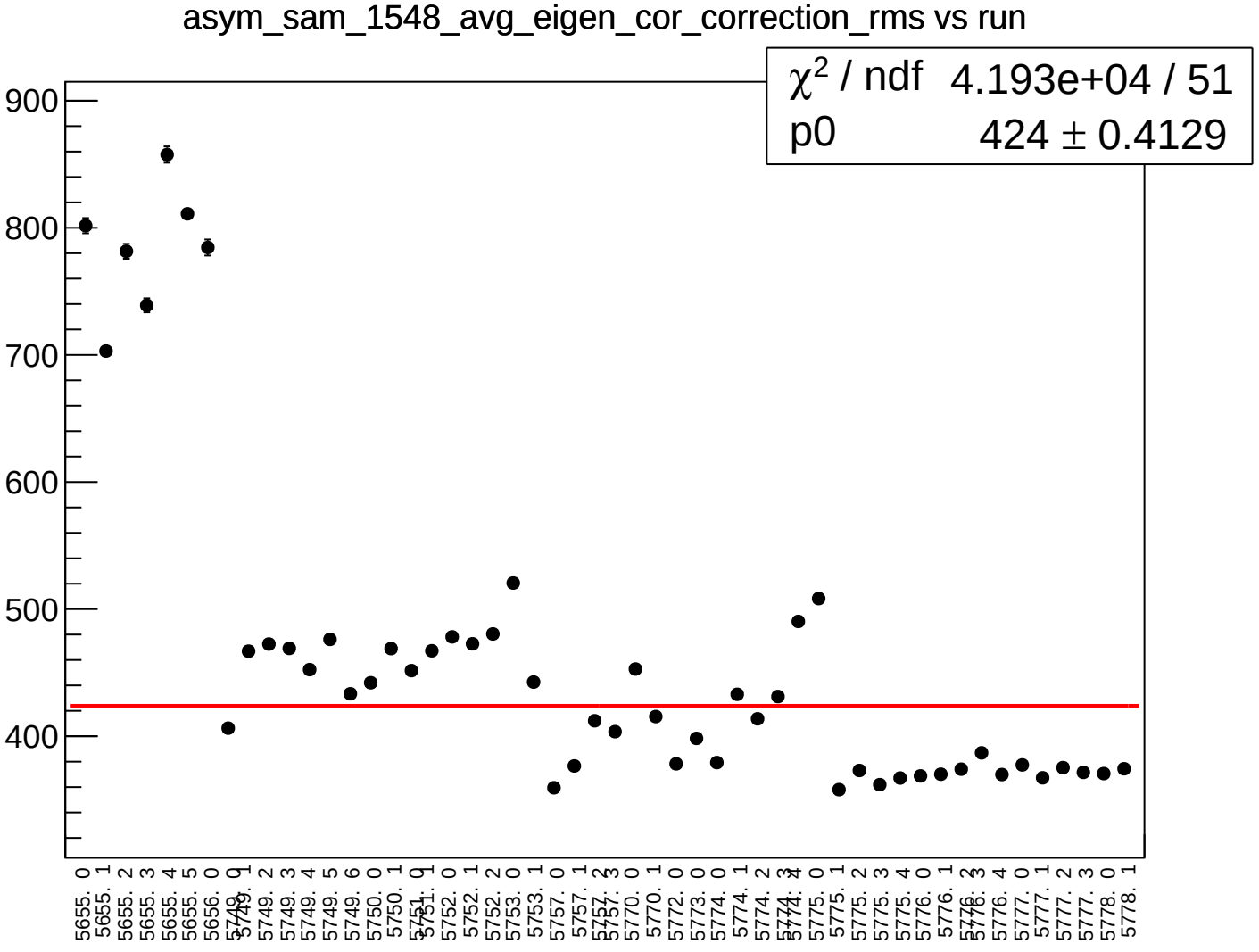
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_1548_avg_eigen_cor_correction_mean vs run
χ² / ndf 48.47 / 51
p0 −414.3 ± 583.9
30000
20000
10000
0
−10000
pull
Entries 52
Mean −20.9
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.05047
Std Dev 0.9642
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1548_avg_eigen_cor_correction_rms vs run
χ² / ndf 4.193e+04 / 51
p0 424 ± 0.4129
900
800
700
600
500
400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5749. 6
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5750. 1
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5751. 1
5752. 0
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5752. 2
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5753. 1
5757. 0
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5773. 0
5774. 0
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5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
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5775. 4
5776. 0
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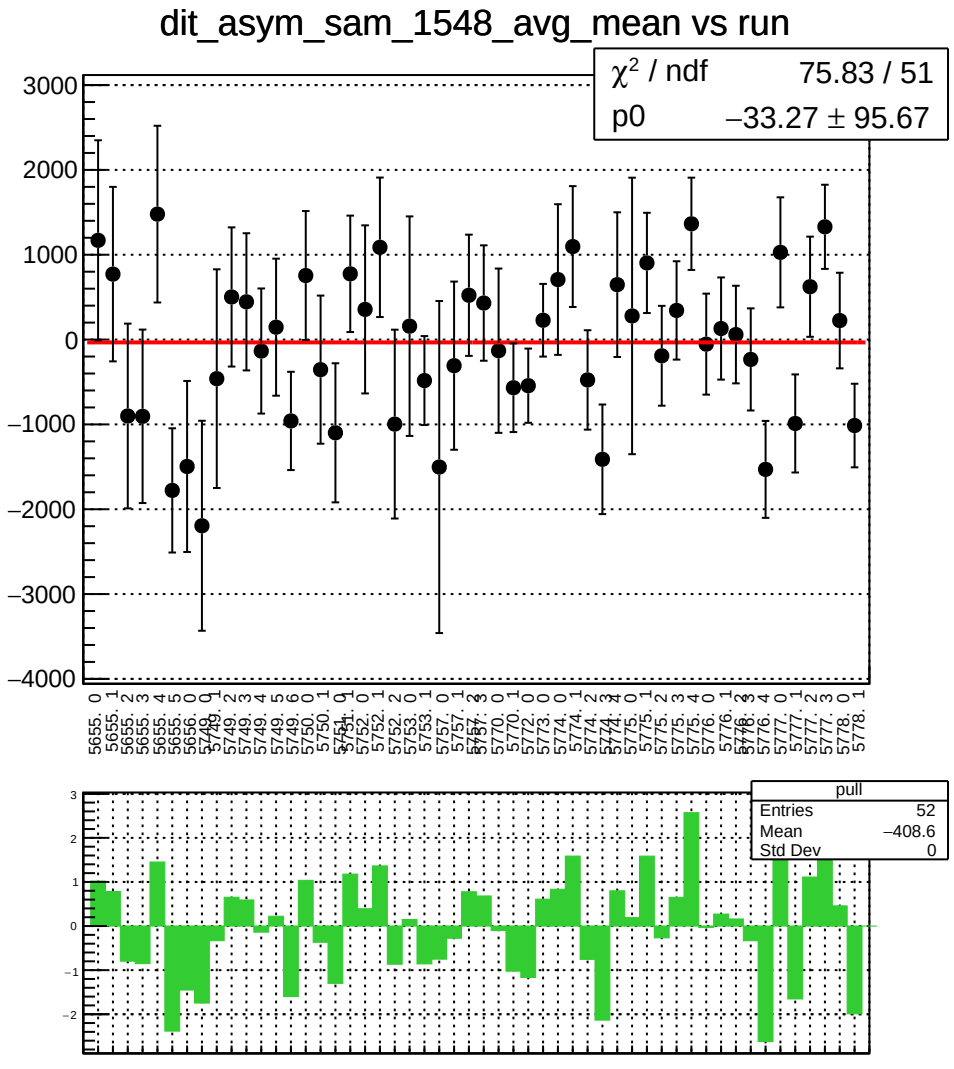
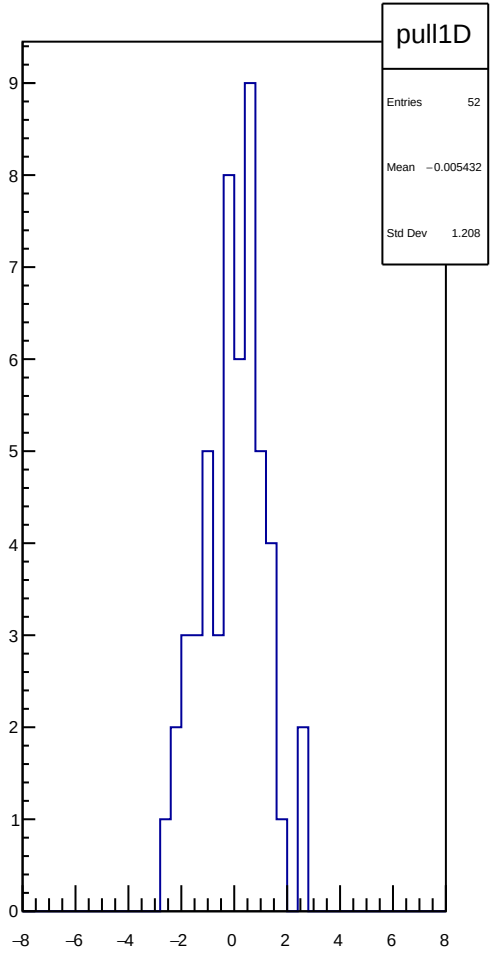
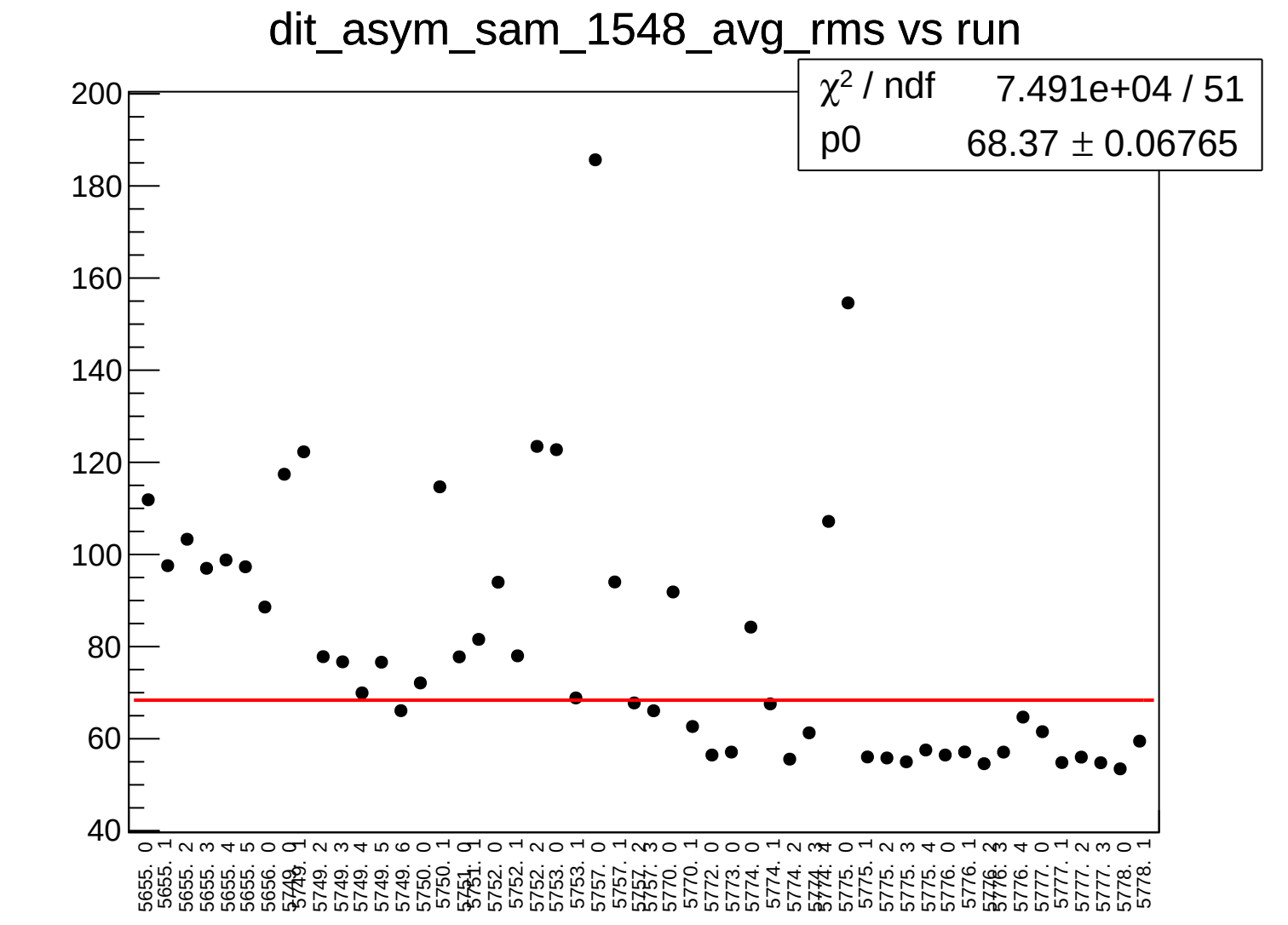

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 75.83 / 51
p0 −33.27 ± 95.67
pull
Entries 52
Mean −408.6
Std Dev 0


pull1D
Entries 52
Mean −0.005432
Std Dev 1.208


dit_asym_sam_1548_avg_rms vs run
χ² / ndf 7.491e+04 / 51
p0 68.37 ± 0.06765
200
180
160
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5750. 0
5750. 1
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5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
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5757. 1
5757. 2
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5770. 1
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5773. 0
5774. 0
5774. 1
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5774. 3
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5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
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5777. 1
5777. 2
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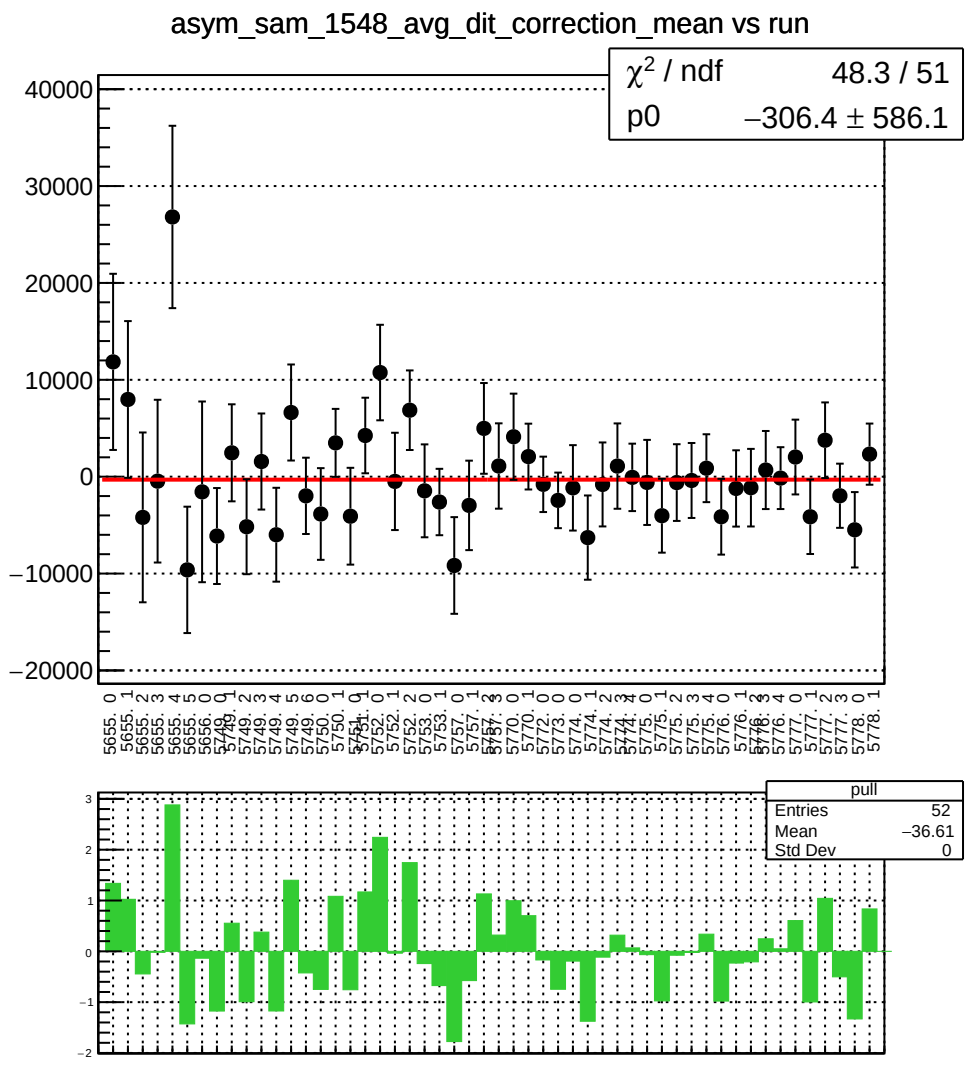
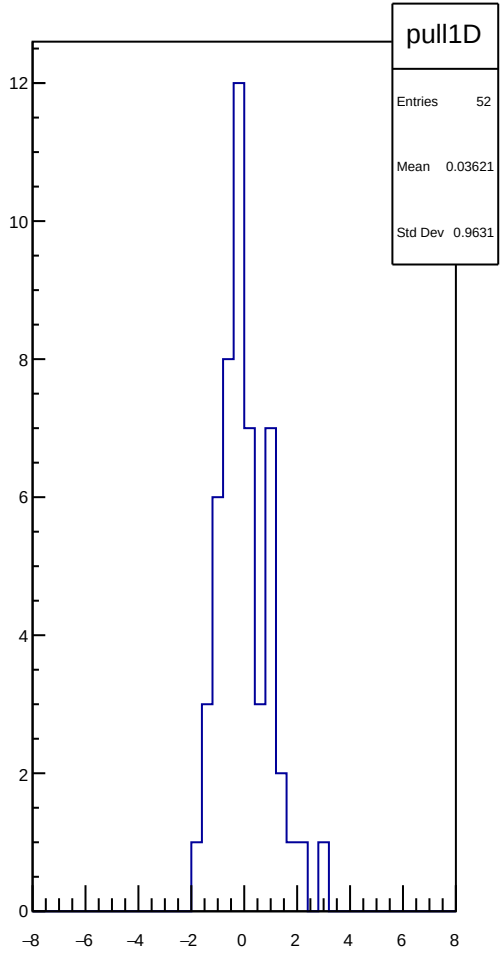
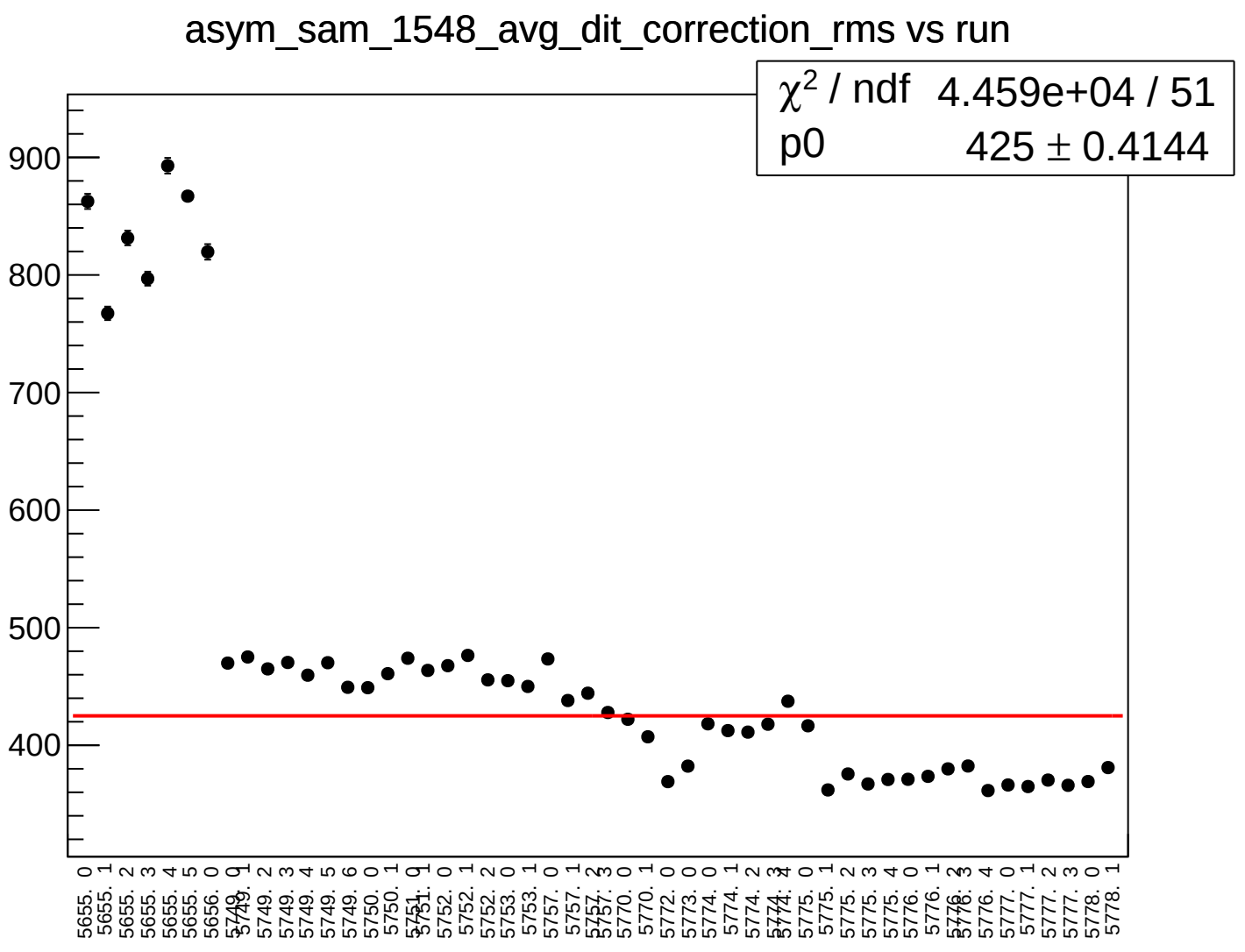
5778. 1


asym_sam_1548_avg_dit_correction_mean vs run
χ² / ndf 48.3 / 51
p0 −306.4 ± 586.1
pull
Entries 52
Mean −36.61
Std Dev 0


pull1D
Entries 52
Mean 0.03621
Std Dev 0.9631


asym_sam_1548_avg_dit_correction_rms vs run
χ² / ndf 4.459e+04 / 51
p0 425 ± 0.4144
900
800
700
600
500
400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
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5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
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5773. 0
5774. 0
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5774. 2
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5775. 0
5775. 1
5775. 2
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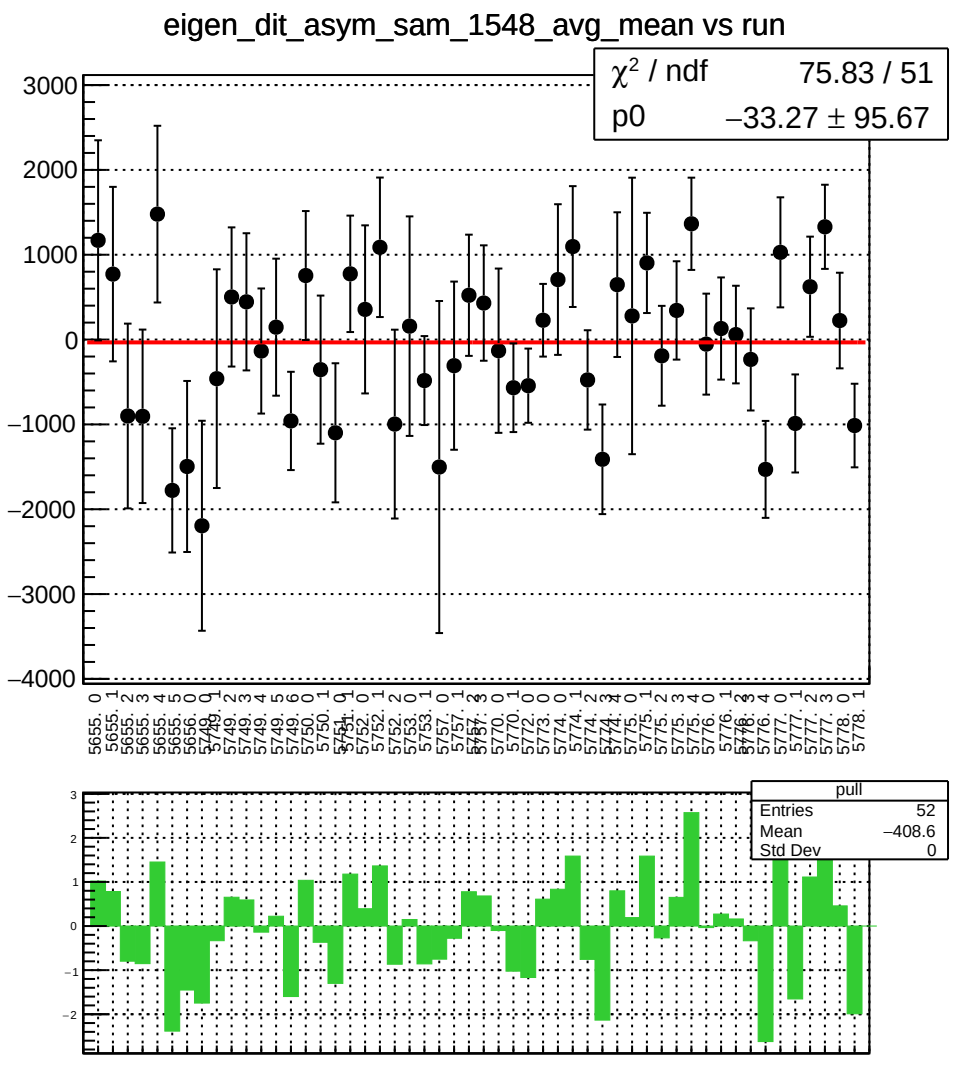
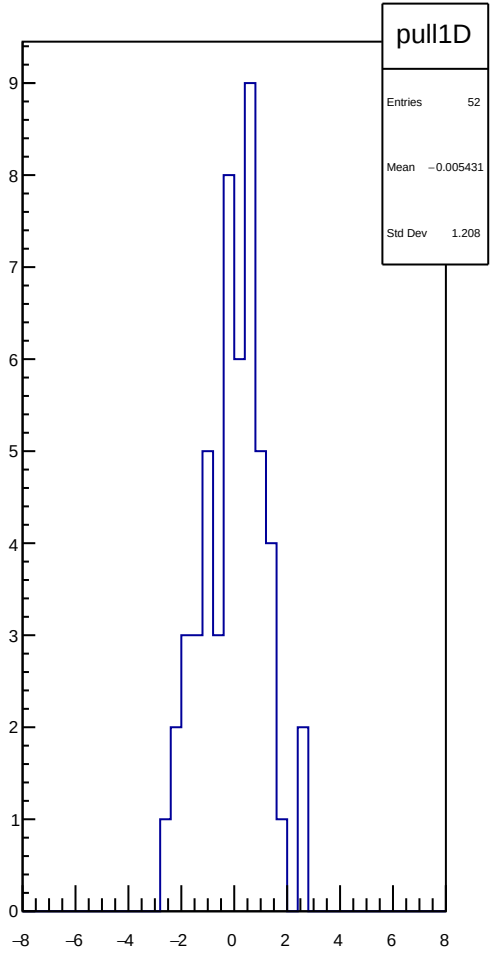
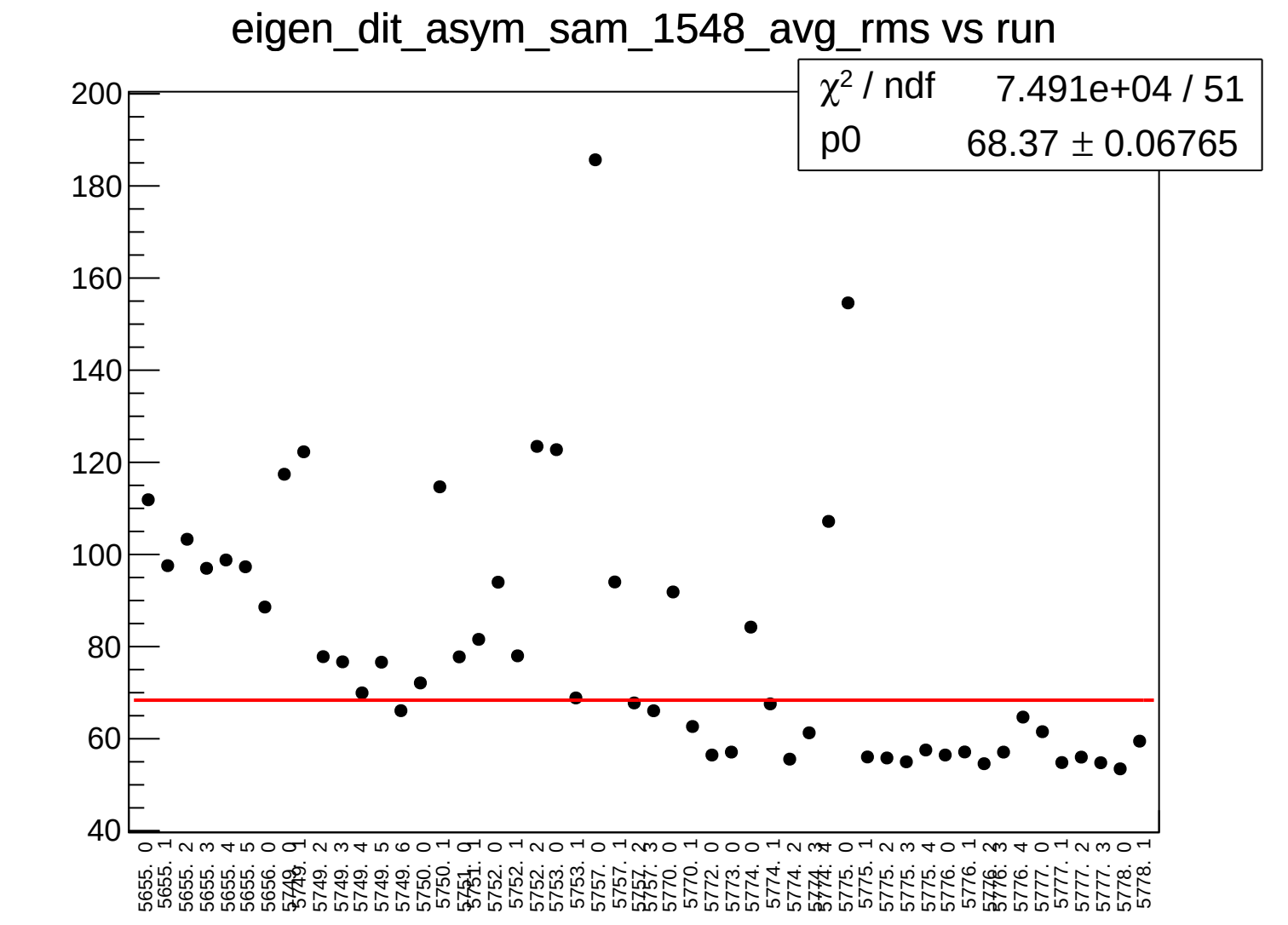
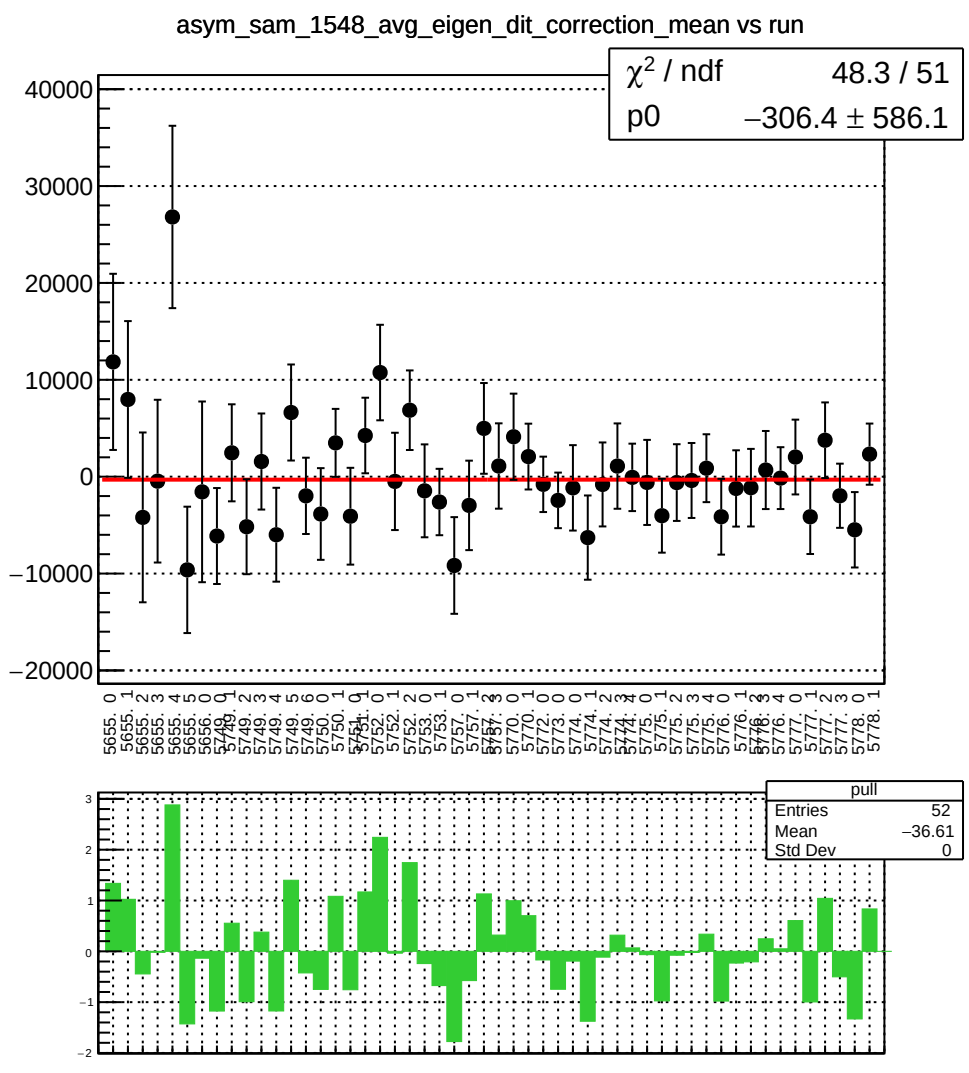
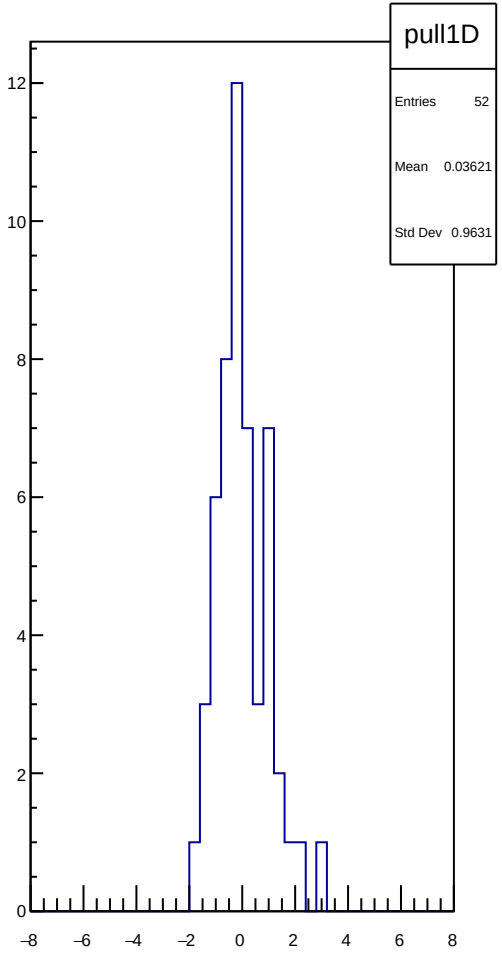
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

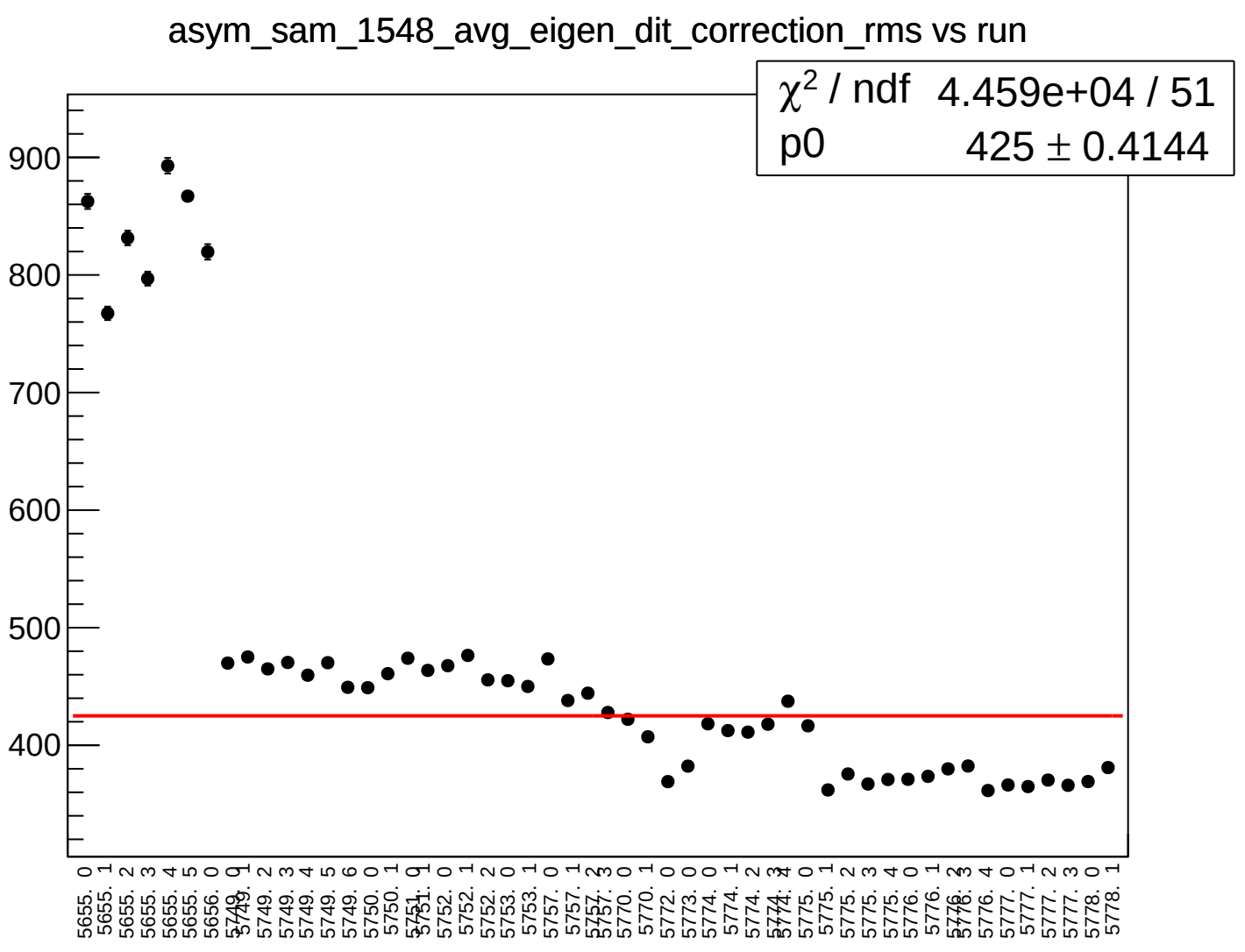

eigen_dit_asym_sam_1548_avg_mean vs run
χ² / ndf 75.83 / 51
p0 −33.27 ± 95.67
pull
Entries 52
Mean −408.6
Std Dev 0

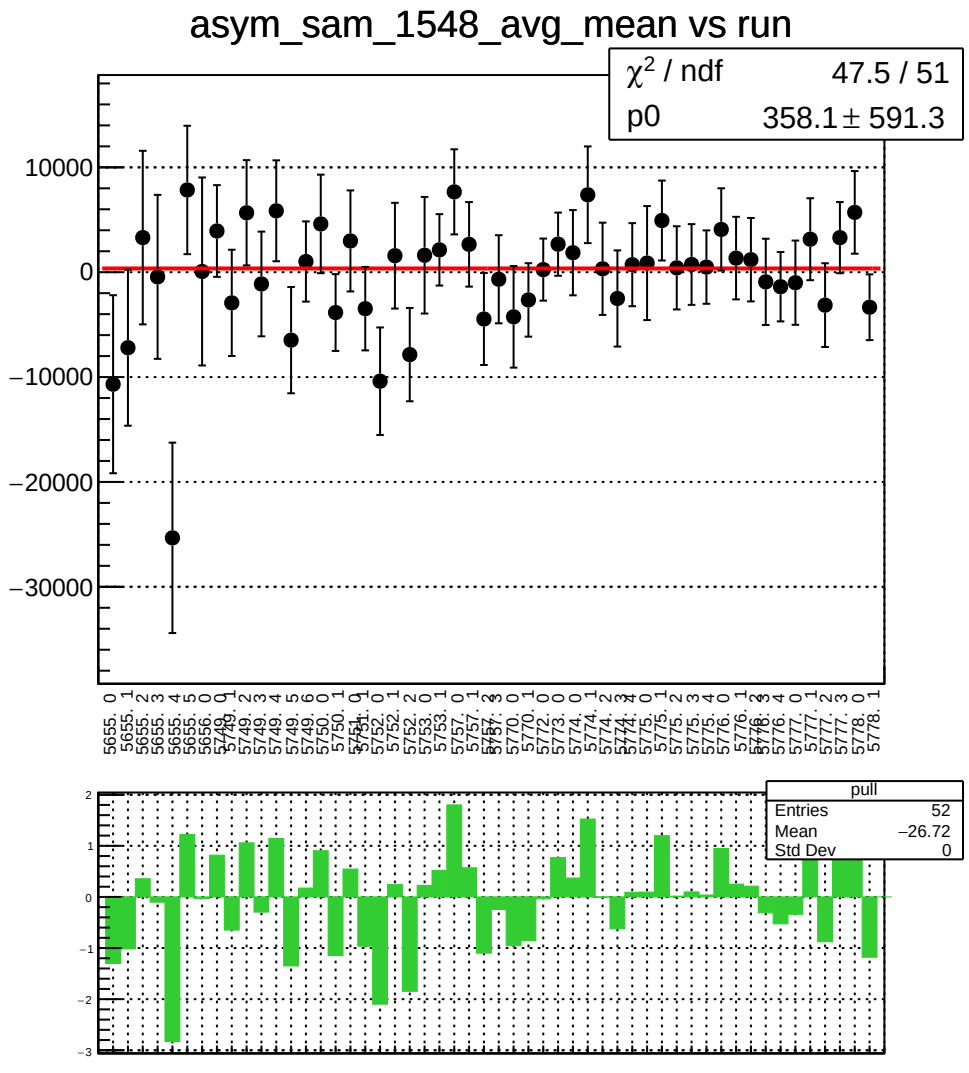

pull1D
Entries 52
Mean −0.005431
Std Dev 1.208

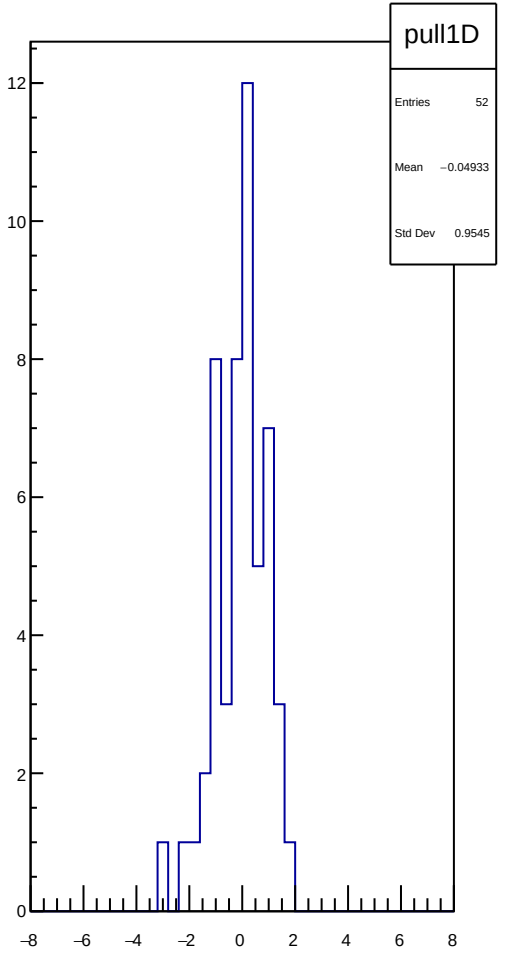

eigen_dit_asym_sam_1548_avg_rms vs run
χ² / ndf 7.491e+04 / 51
p0 68.37 ± 0.06765
200
180
160
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

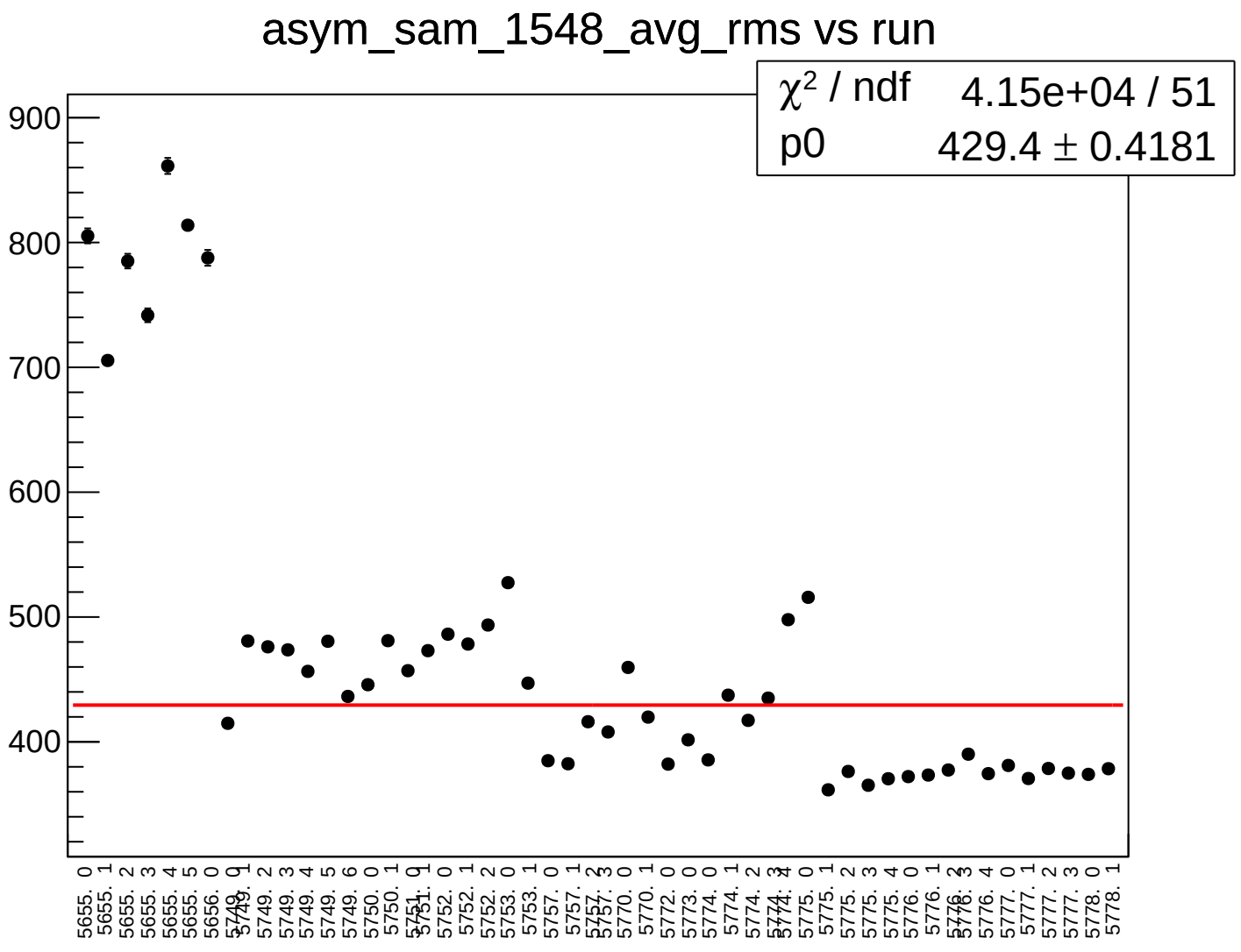

asym_sam_1548_avg_eigen_dit_correction_mean vs run
χ² / ndf 48.3 / 51
p0 −306.4 ± 586.1
pull
Entries 52
Mean −36.61
Std Dev 0

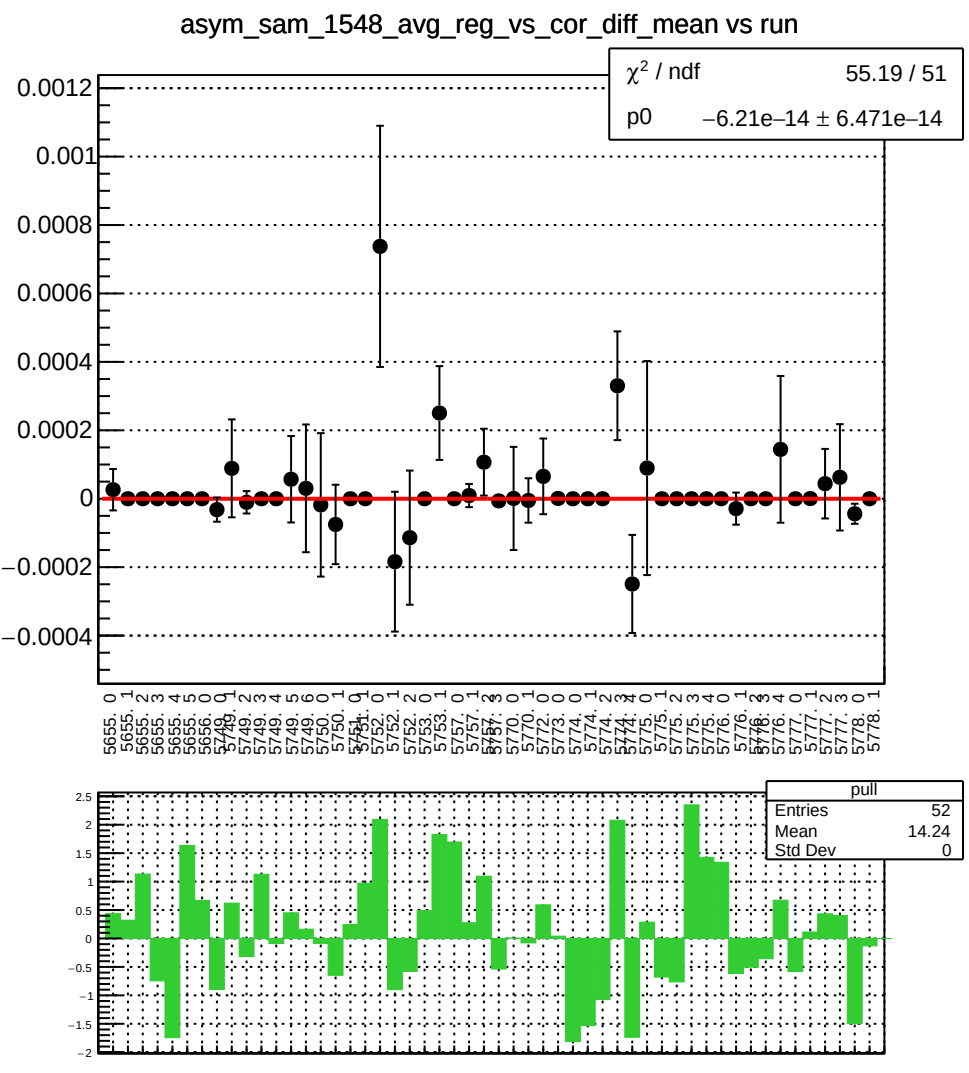

pull1D
Entries 52
Mean 0.03621
Std Dev 0.9631

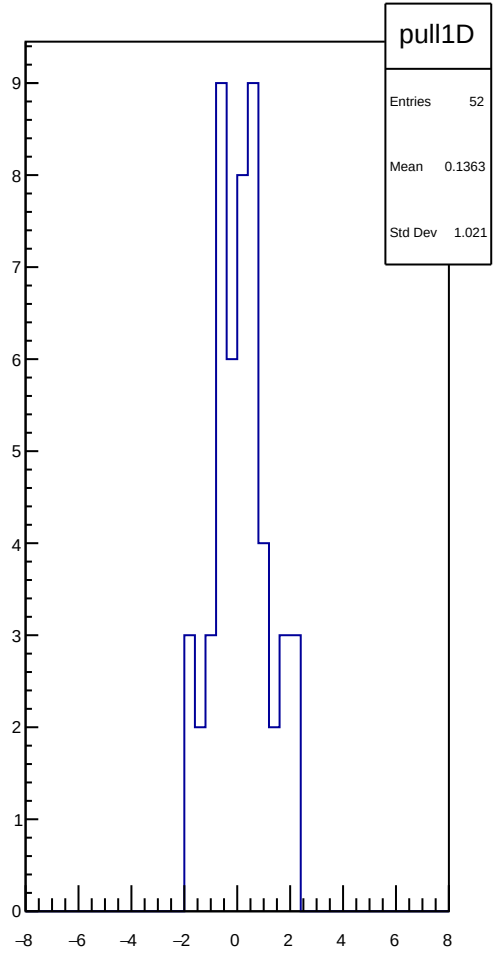

asym_sam_1548_avg_eigen_dit_correction_rms vs run
χ^2 / ndf 4.459e+04 / 51
p0 425 ± 0.4144
900
800
700
600
500
400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

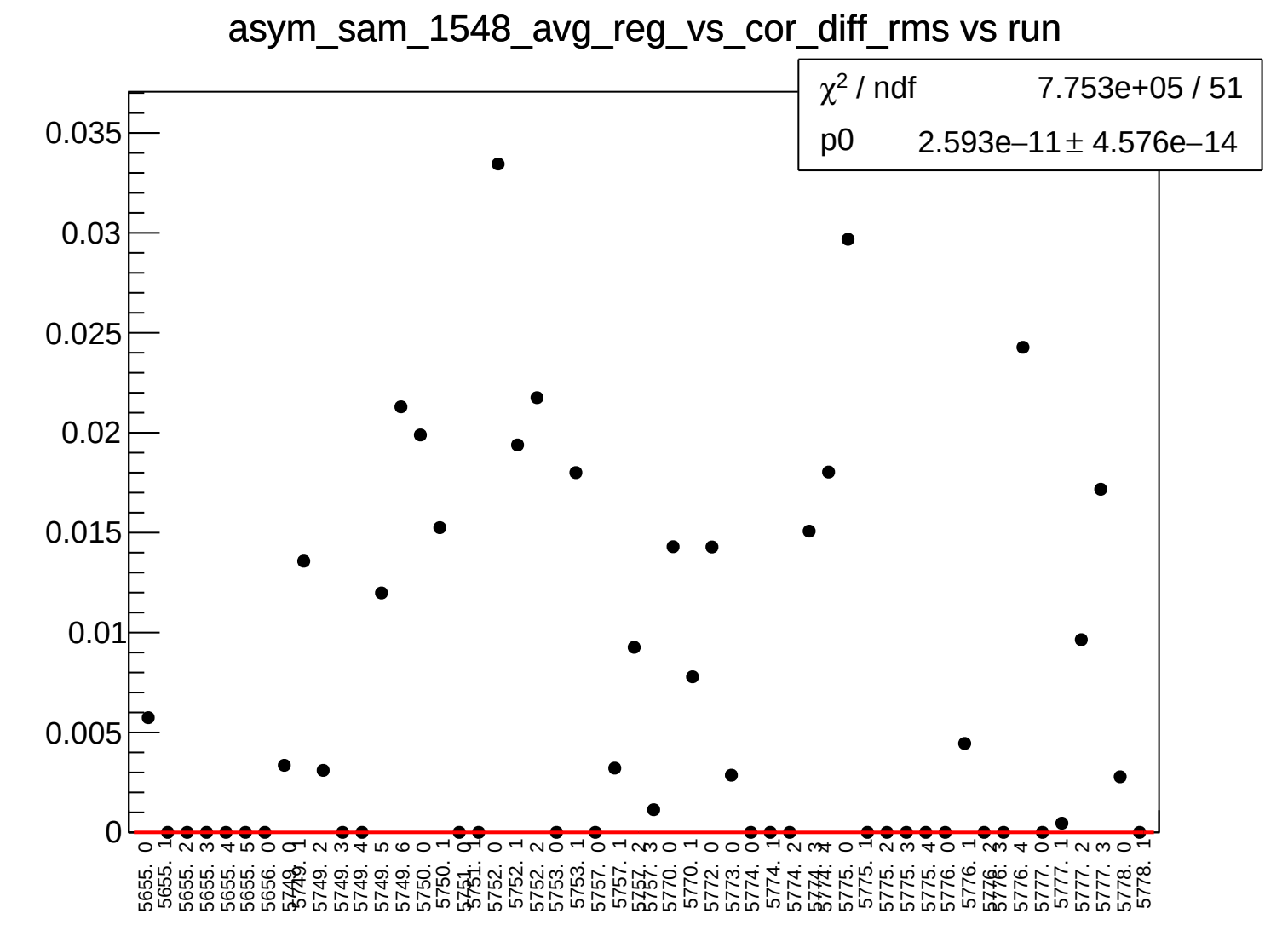

asym_sam_1548_avg_mean vs run
χ² / ndf 47.5 / 51
p0 358.1 ± 591.3
10000
0
−10000
−20000
−30000
pull
Entries 52
Mean −26.72
Std Dev 0

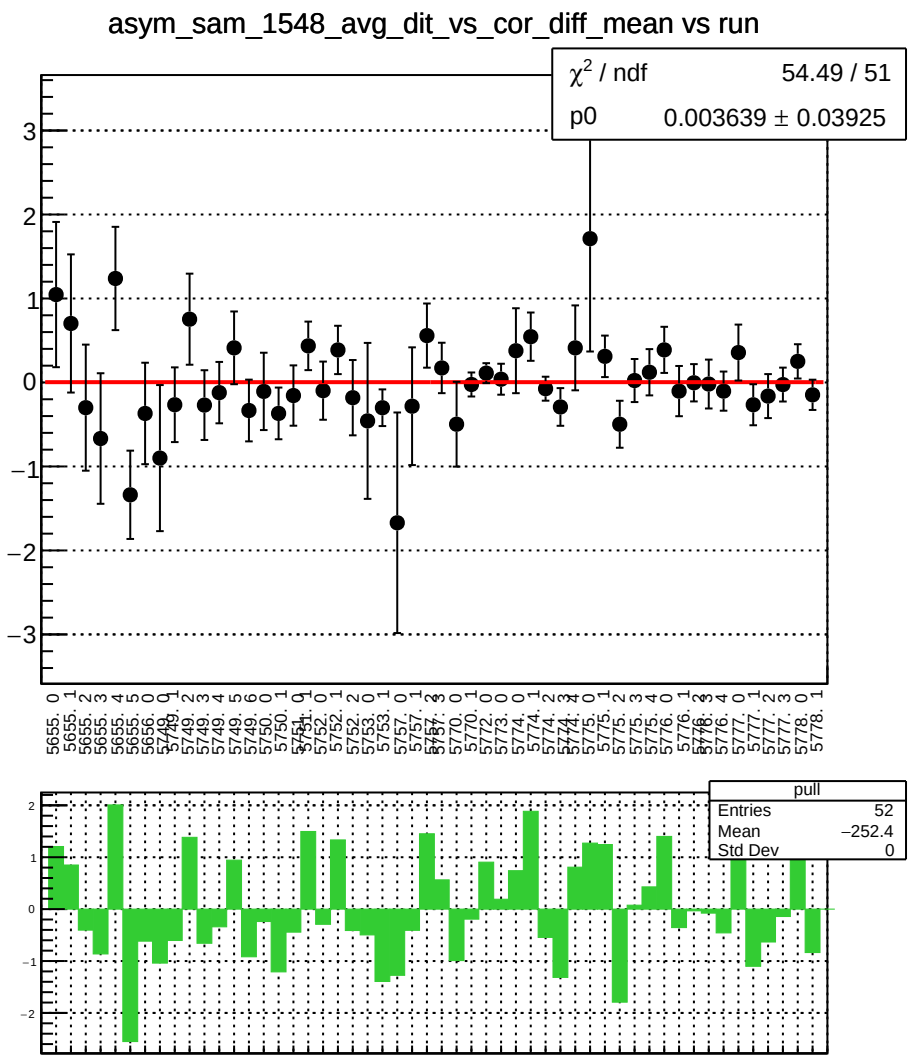

pull1D
Entries 52
Mean −0.04933
Std Dev 0.9545
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

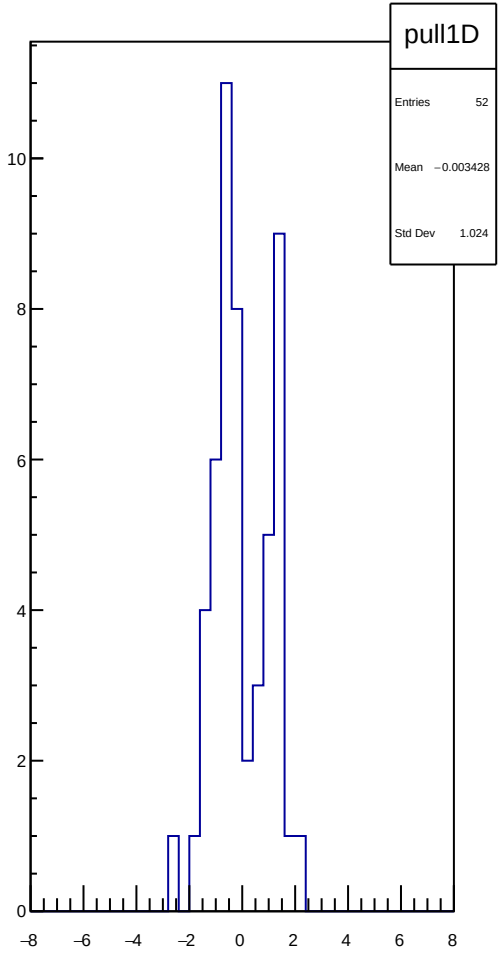

asym_sam_1548_avg_rms vs run
χ² / ndf 4.15e+04 / 51
p0 429.4 ± 0.4181
900
800
700
600
500
400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

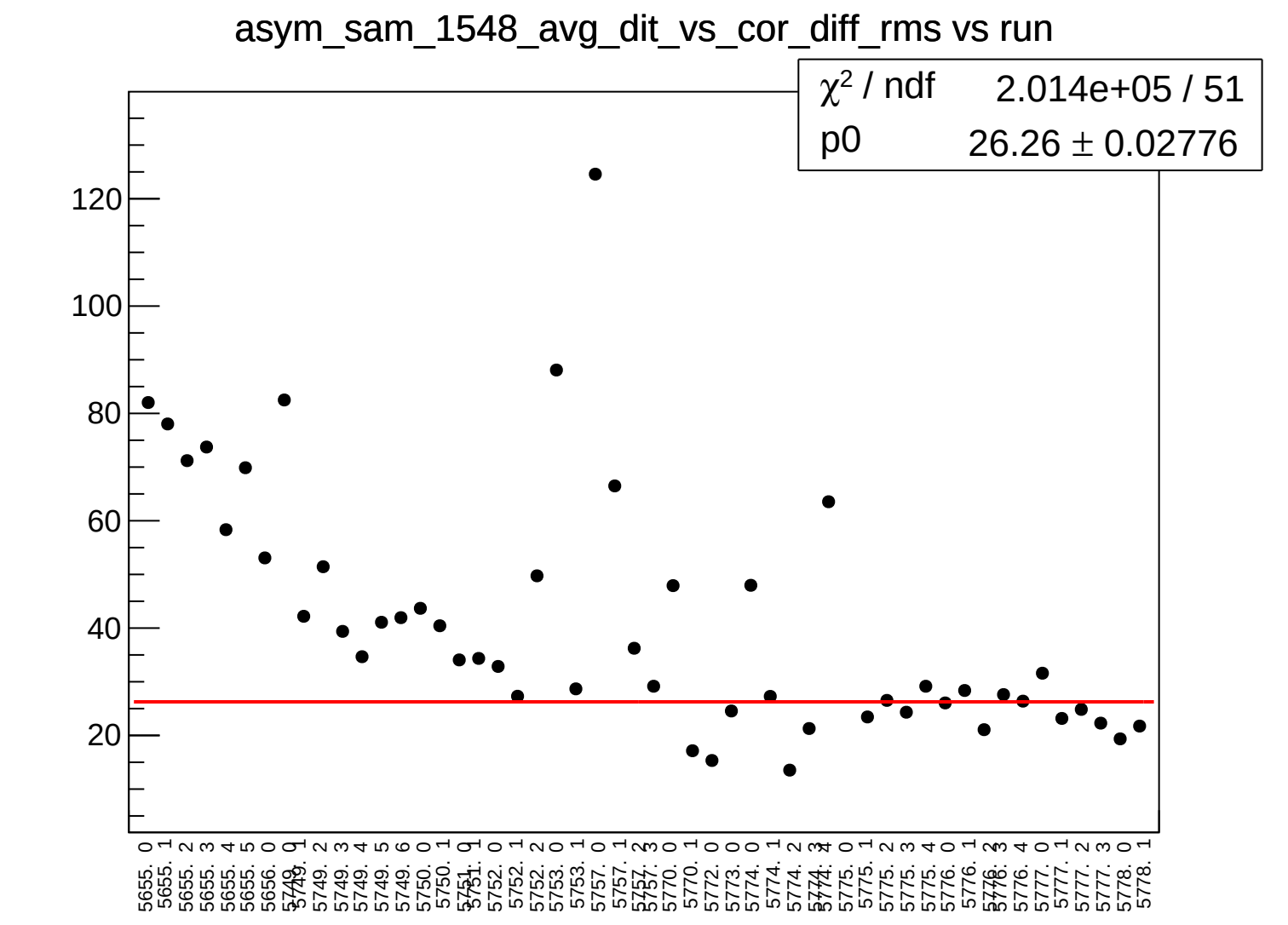

asym_sam_1548_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 55.19 / 51
p0 −6.21e−14 ± 6.471e−14
pull
Entries 52
Mean 14.24
Std Dev 0

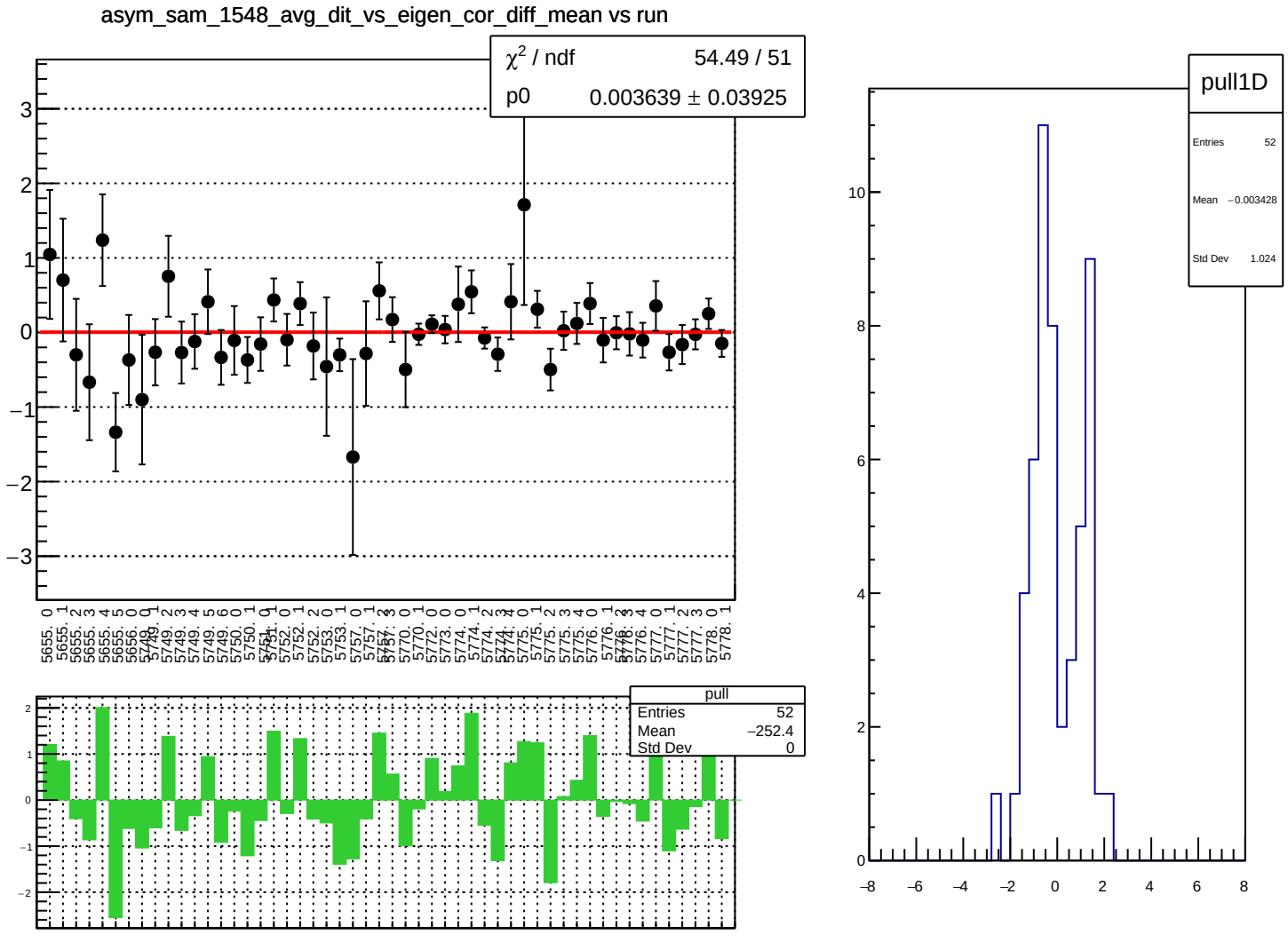

pull1D
Entries 52
Mean 0.1363
Std Dev 1.021

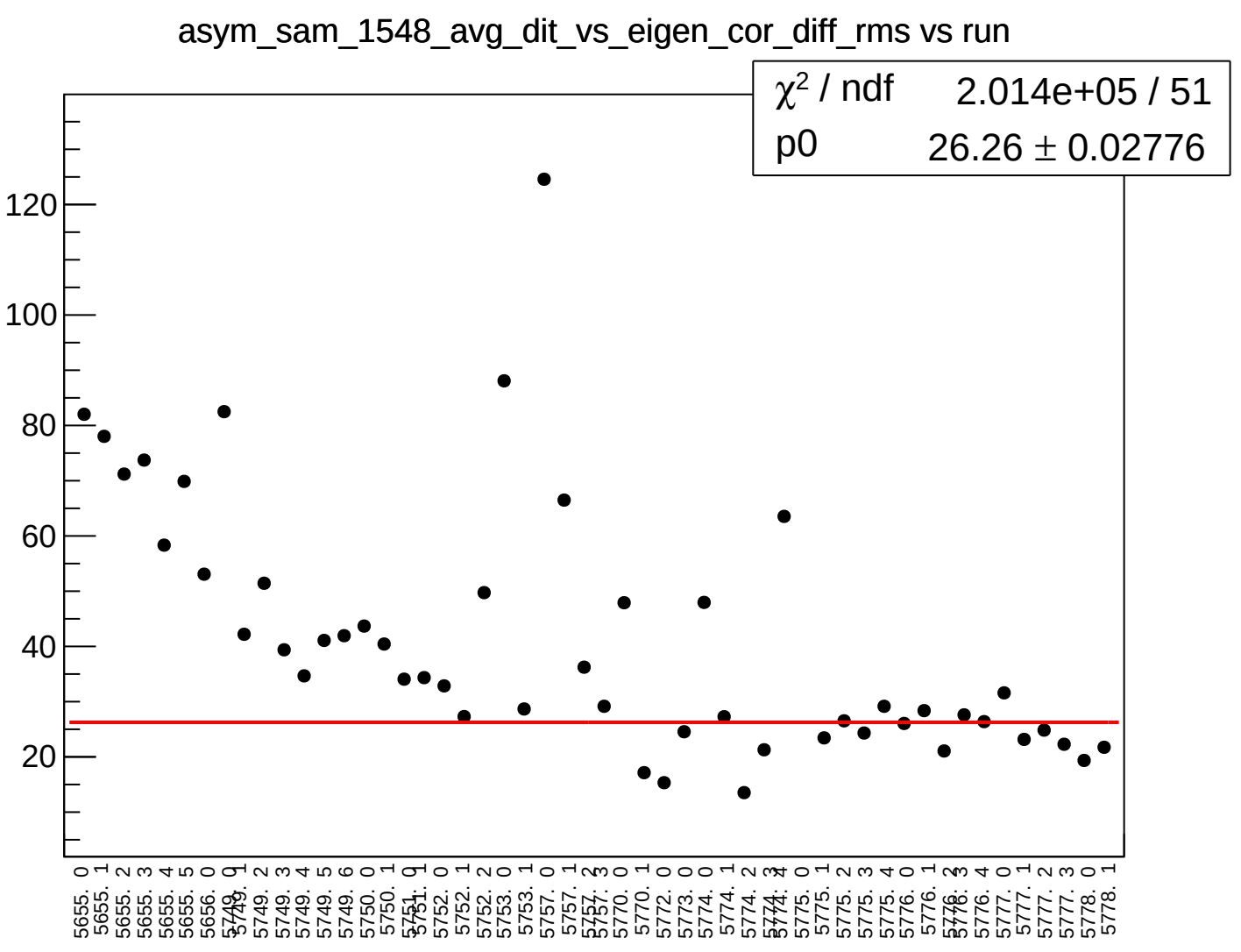

asym_sam_1548_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.753e+05 / 51
p0 2.593e−11 ± 4.576e−14
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

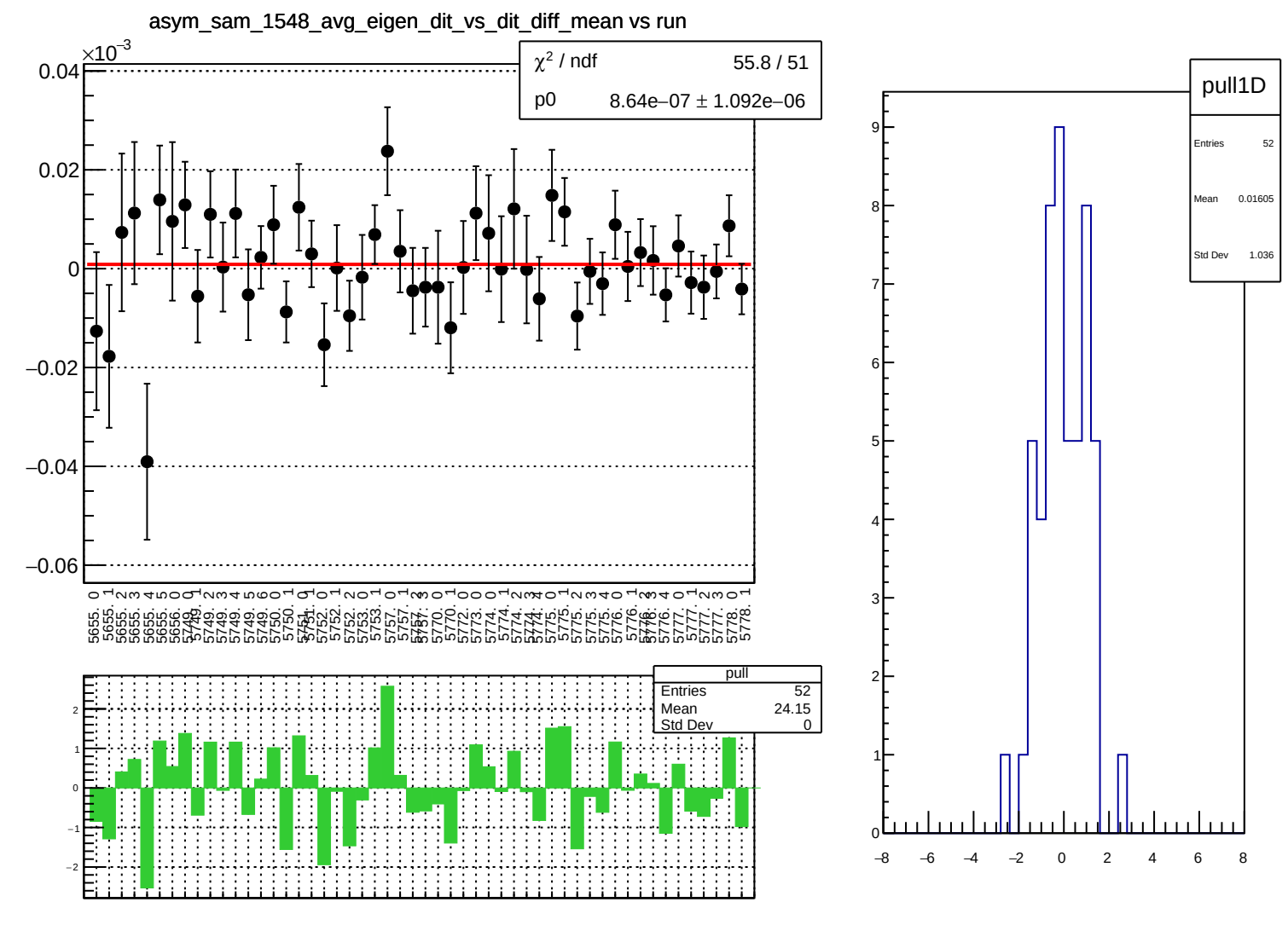

asym_sam_1548_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 54.49 / 51
p0 0.003639 ± 0.03925
pull
Entries 52
Mean −252.4
Std Dev 0

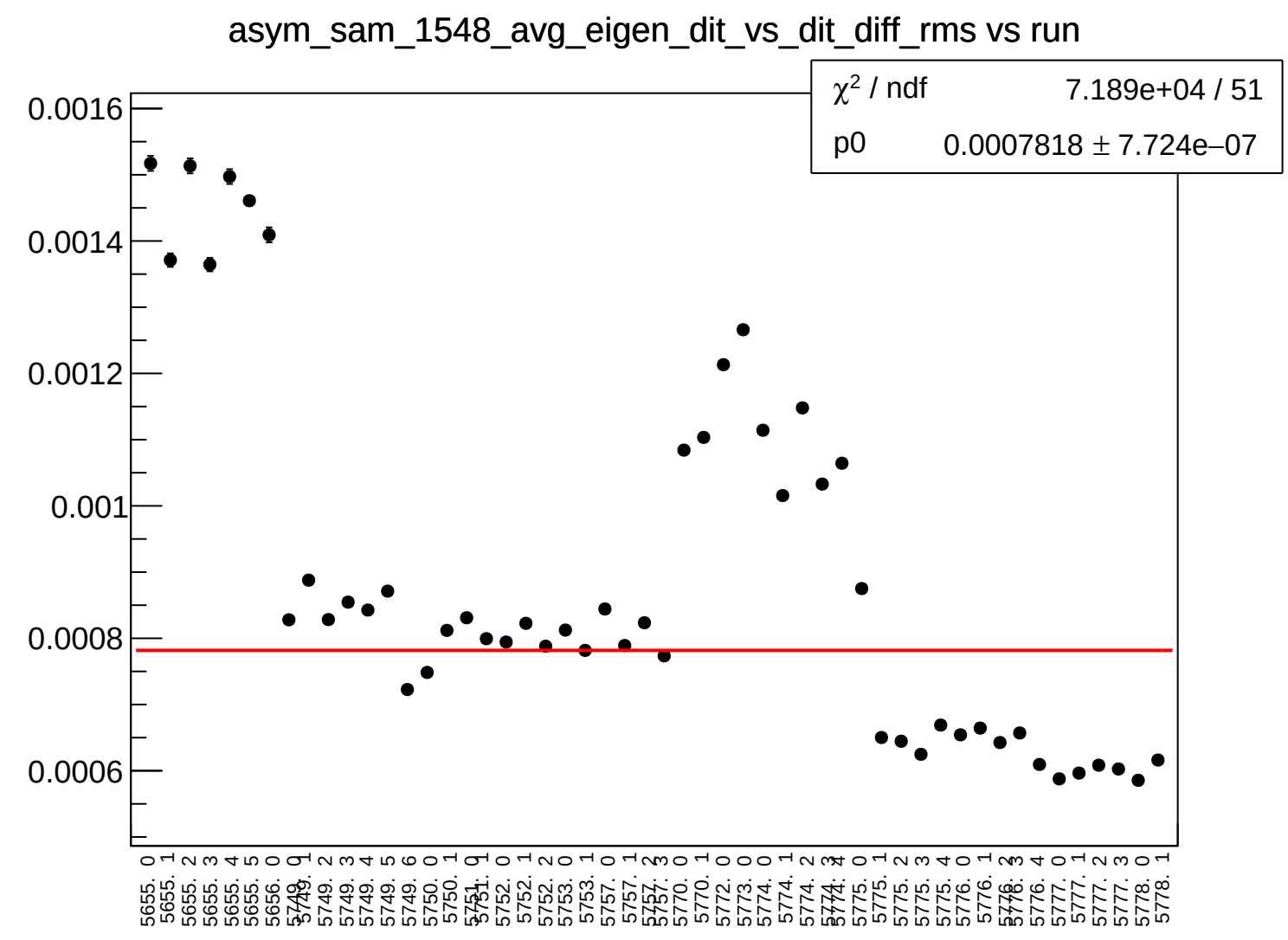

pull1D
Entries 52
Mean −0.003428
Std Dev 1.024


asym_sam_1548_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.014e+05 / 51
p0 26.26 ± 0.02776
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.49 / 51
p0 0.003639 ± 0.03925
pull
Entries 52
Mean −252.4
Std Dev 0
pull1D
Entries 52
Mean −0.003428
Std Dev 1.024


asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.014e+05 / 51
p0 26.26 ± 0.02776
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 55.8 / 51
p0 8.64e−07 ± 1.092e−06
pull
Entries 52
Mean 24.15
Std Dev 0
pull1D
Entries 52
Mean 0.01605
Std Dev 1.036


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7.189e+04 / 51
p0 0.0007818 ± 7.724e−07
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 4
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5777. 2
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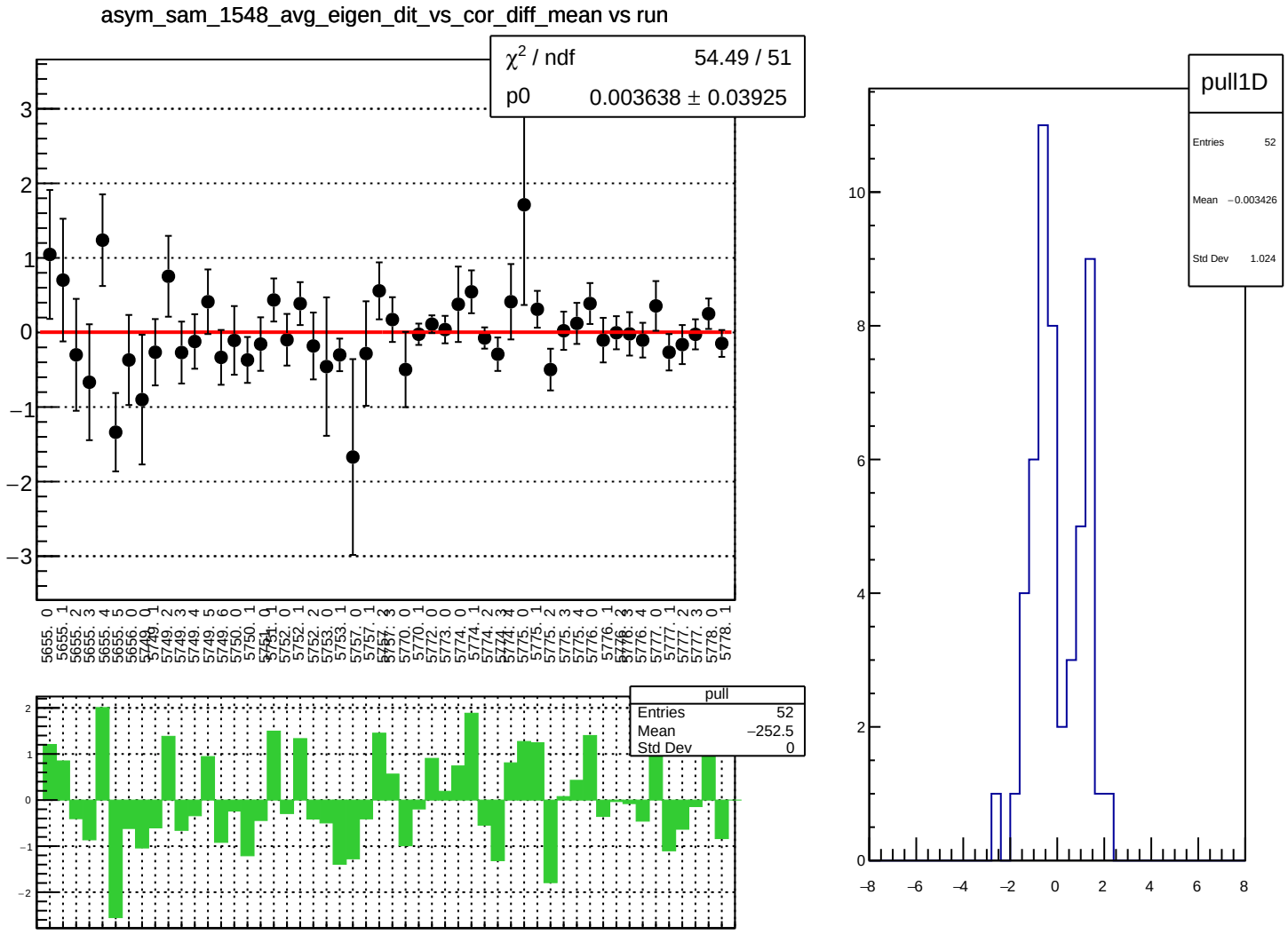
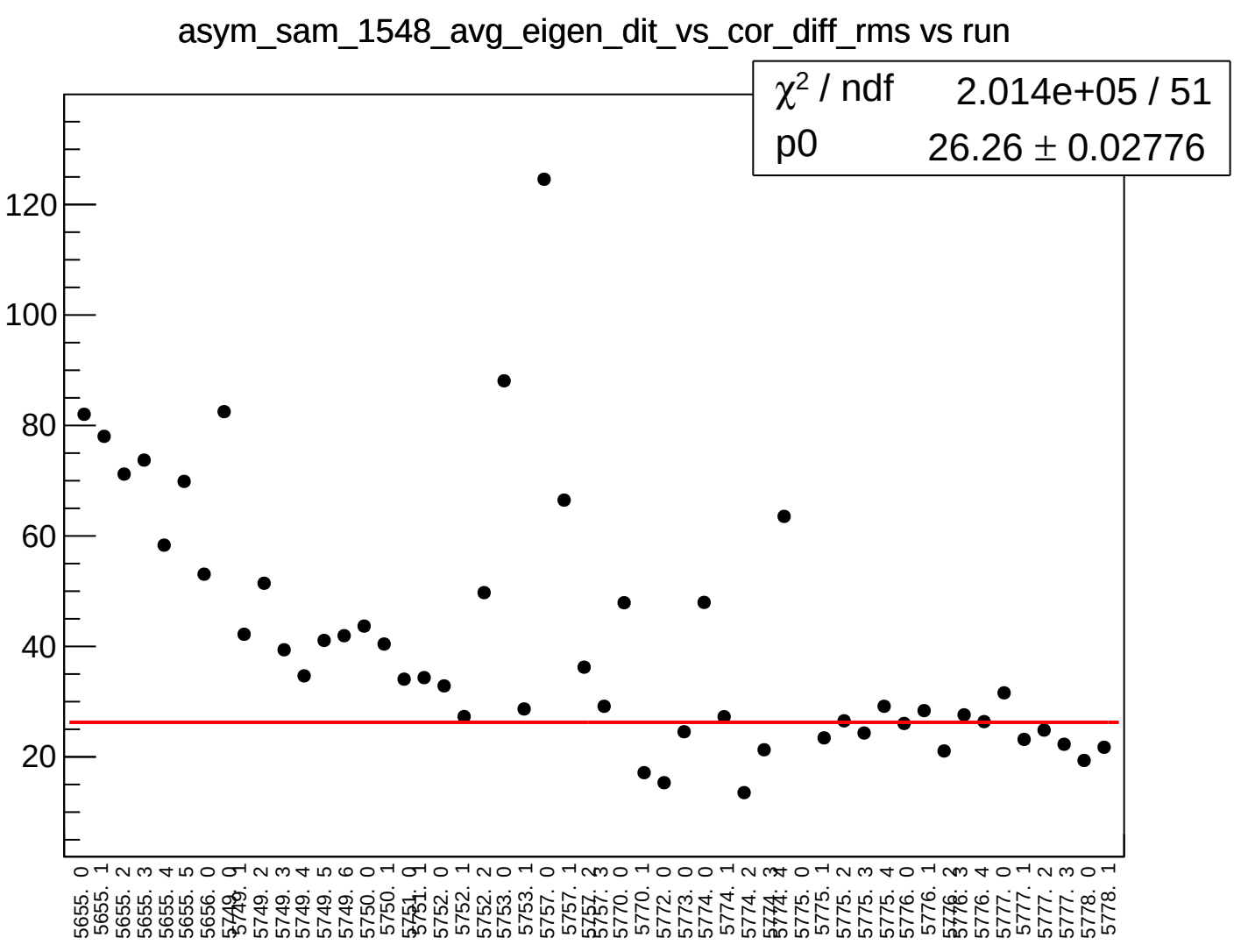
5778. 0
5778. 1


asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.49 / 51
p0 0.003638 ± 0.03925
pull
Entries 52
Mean −252.5
Std Dev 0
pull1D
Entries 52
Mean −0.003426
Std Dev 1.024


asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.014e+05 / 51
p0 26.26 ± 0.02776
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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5776. 3
5776. 4
5777. 0
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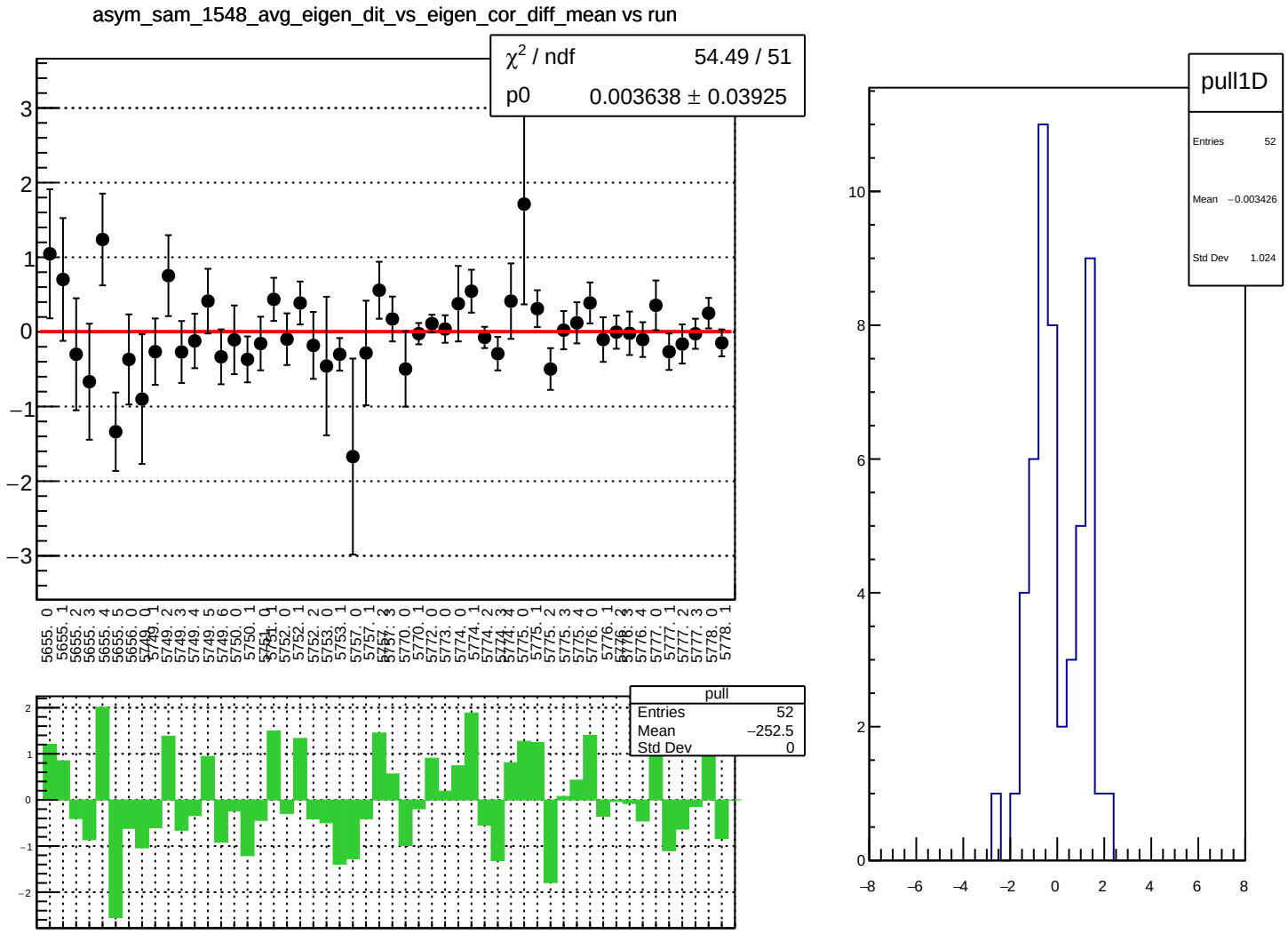
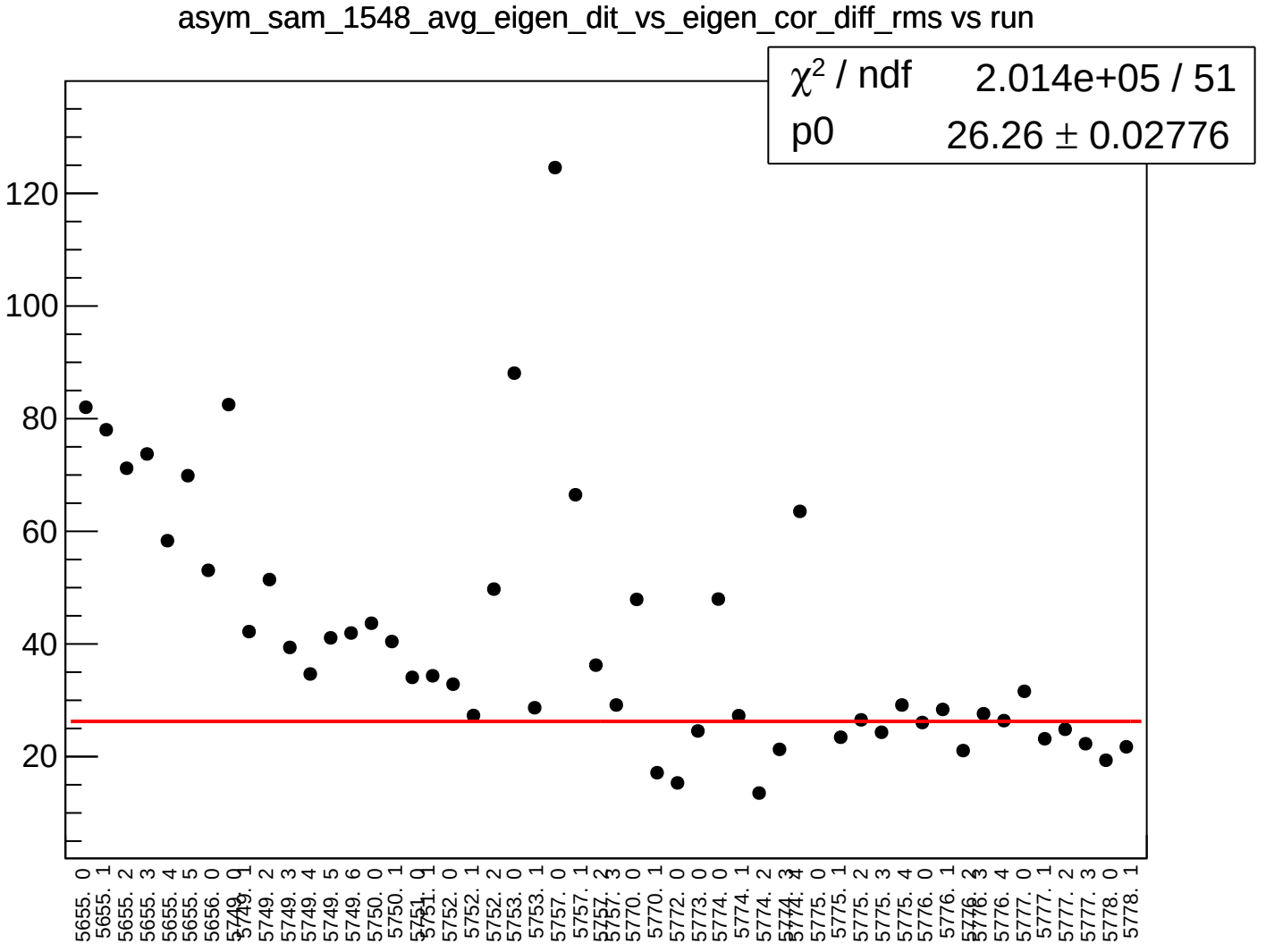
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.49 / 51
p0 0.003638 ± 0.03925
pull
Entries 52
Mean −252.5
Std Dev 0
pull1D
Entries 52
Mean −0.003426
Std Dev 1.024


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.014e+05 / 51
p0 26.26 ± 0.02776
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
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5753. 1
5757. 0
5757. 1
5757. 2
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5770. 0
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5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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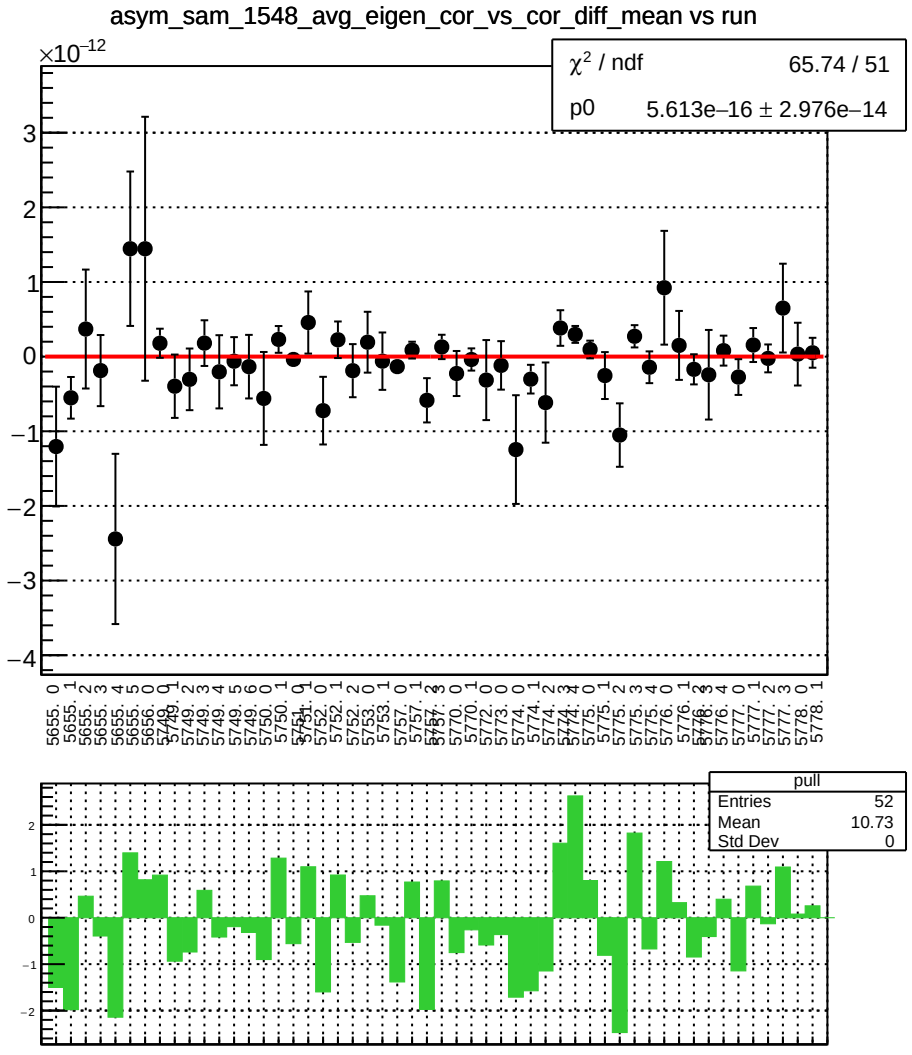
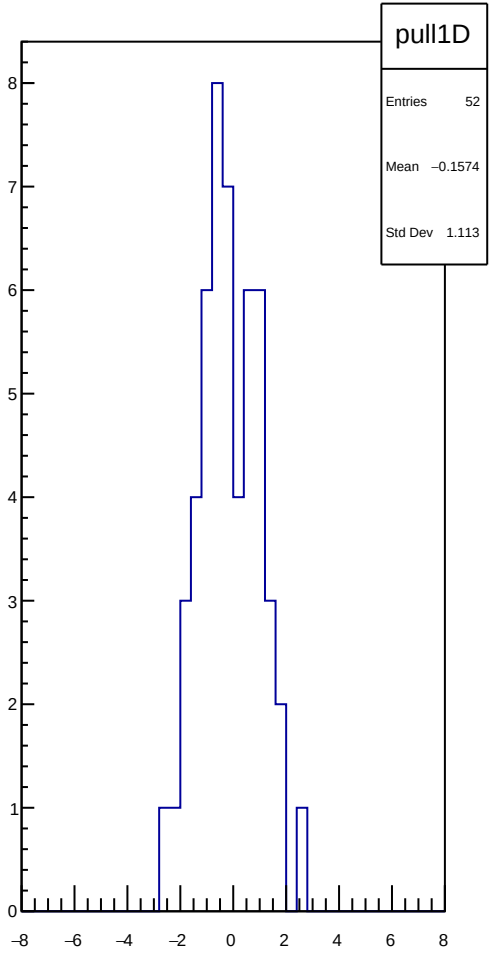
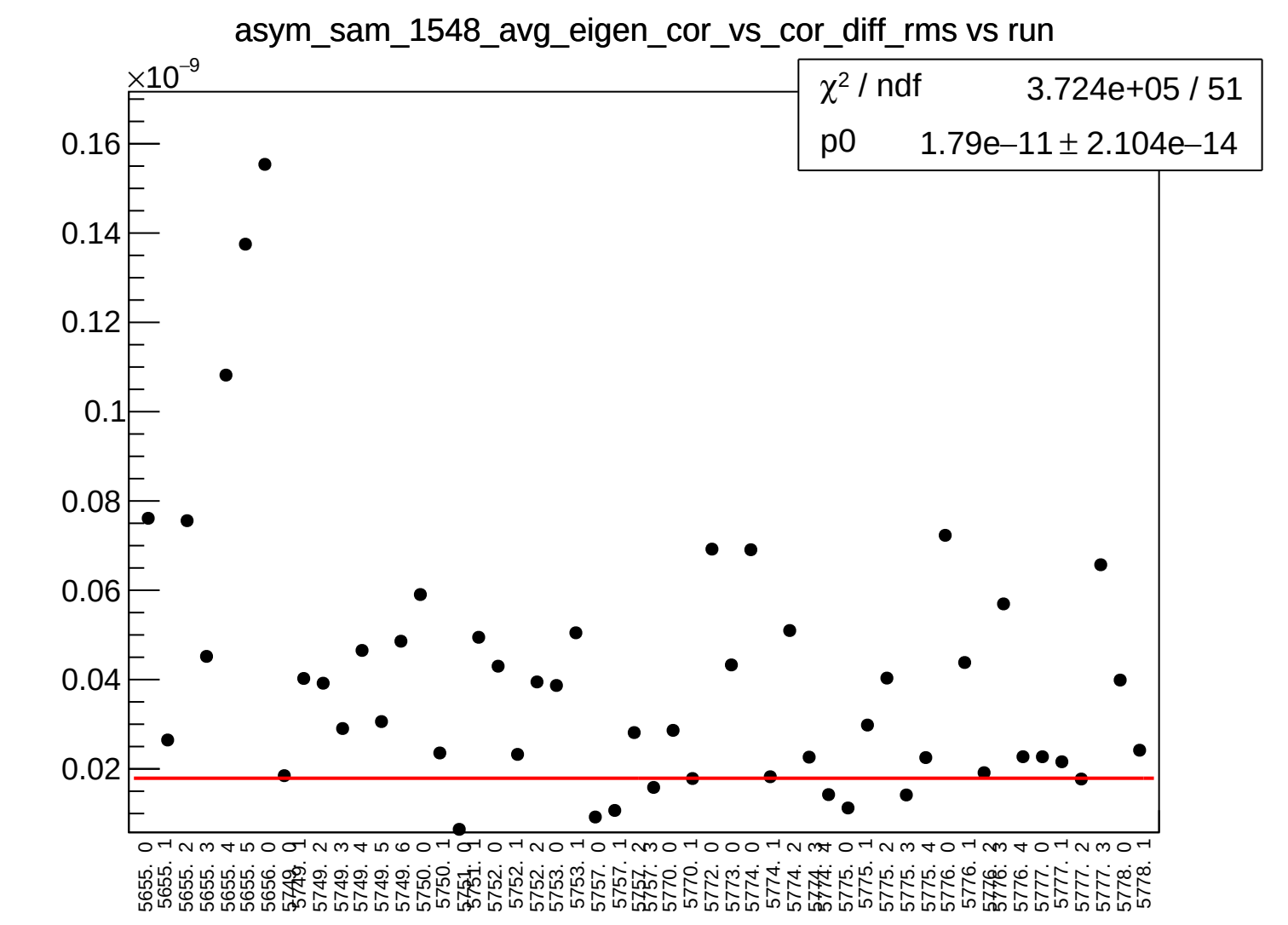
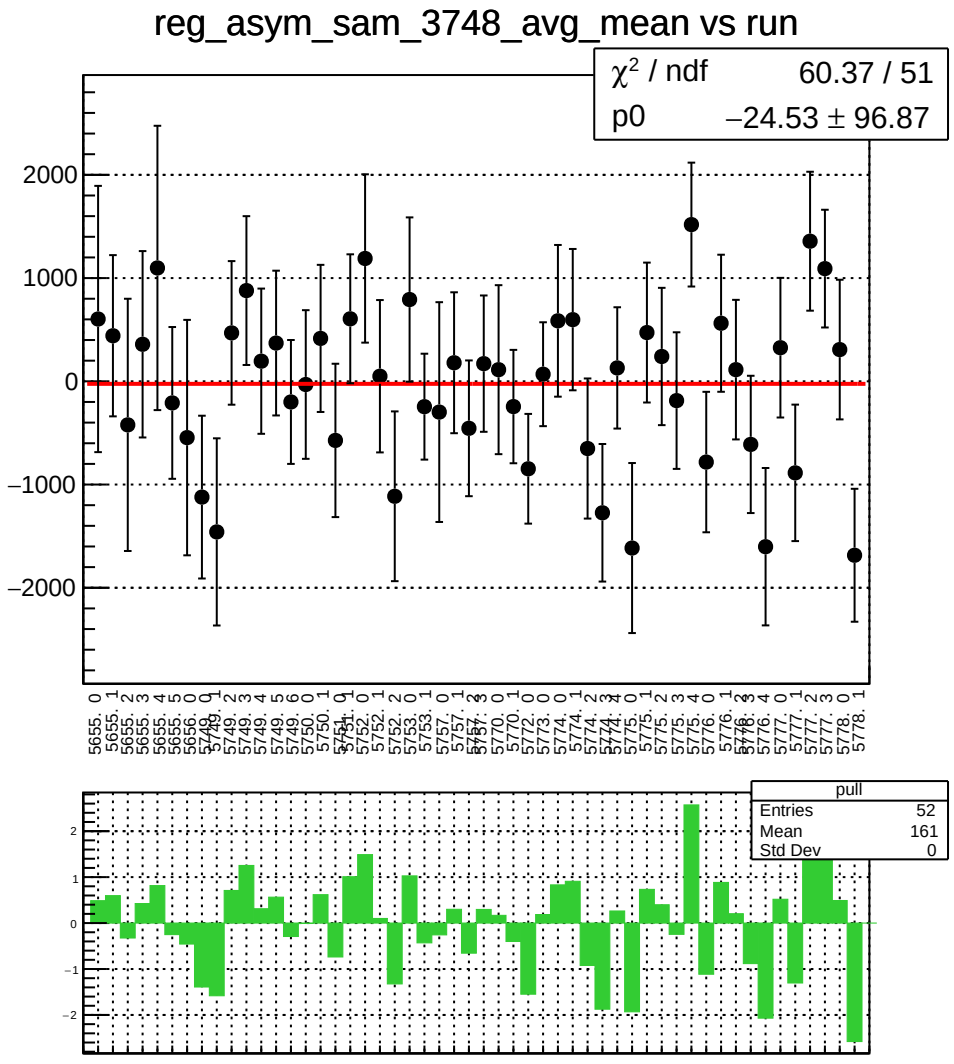
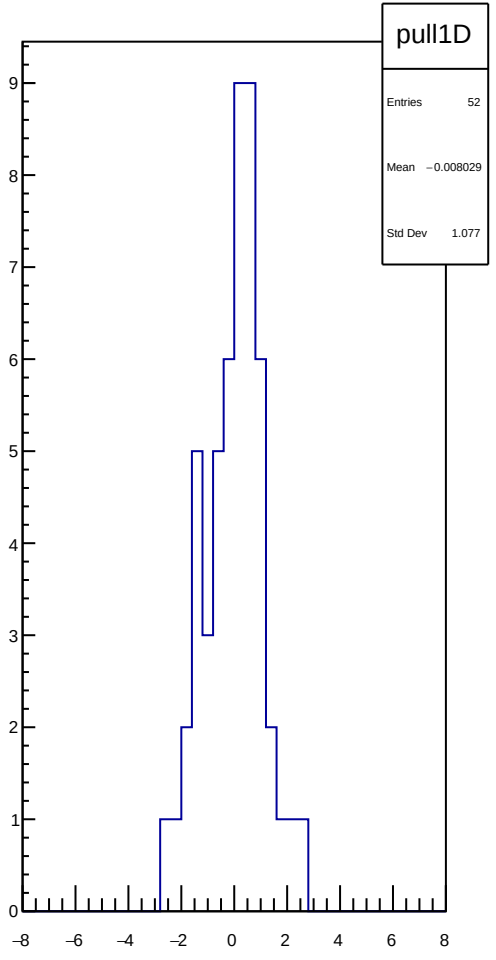
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

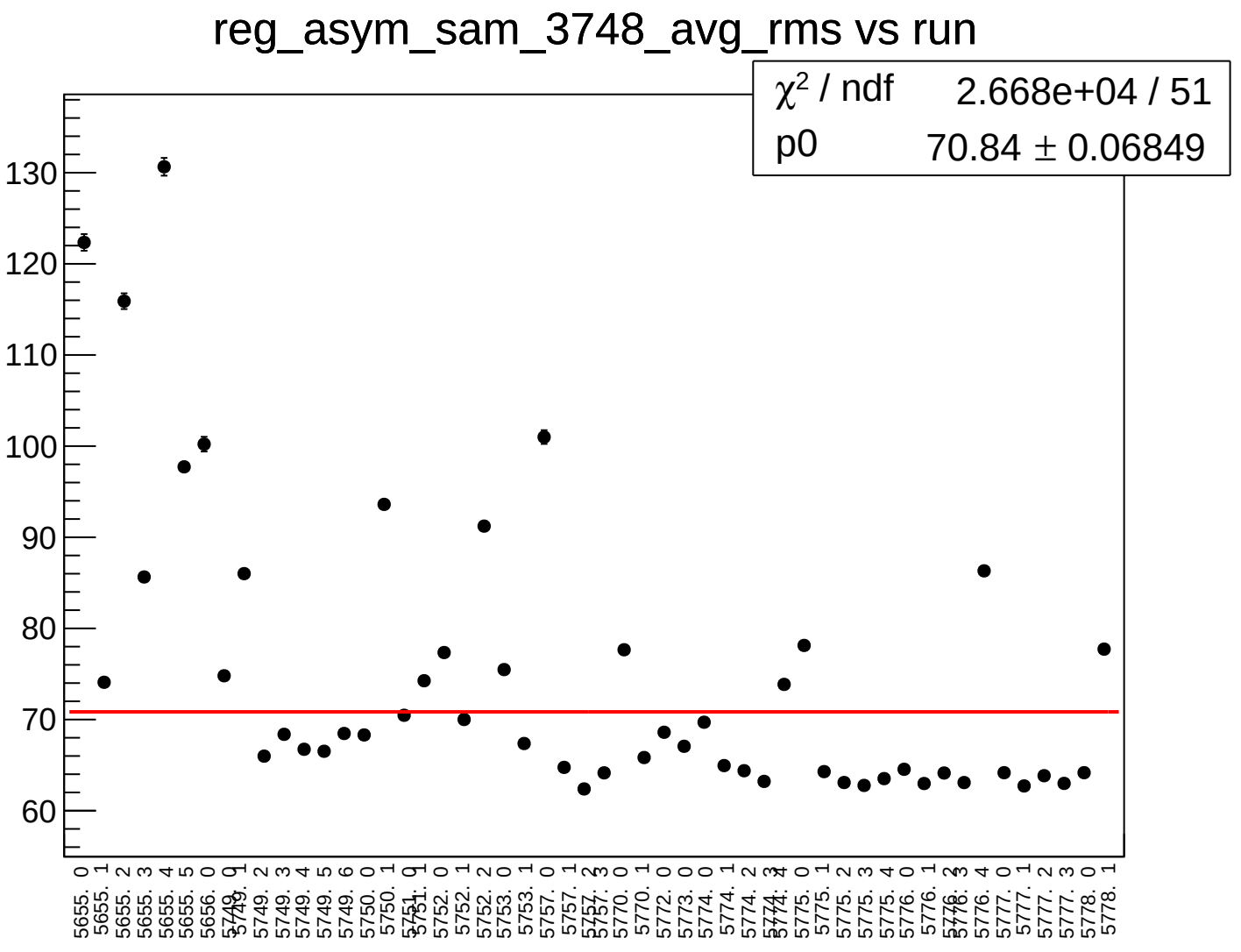

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 65.74 / 51
p0 5.613e−16 ± 2.976e−14
pull
Entries 52
Mean 10.73
Std Dev 0

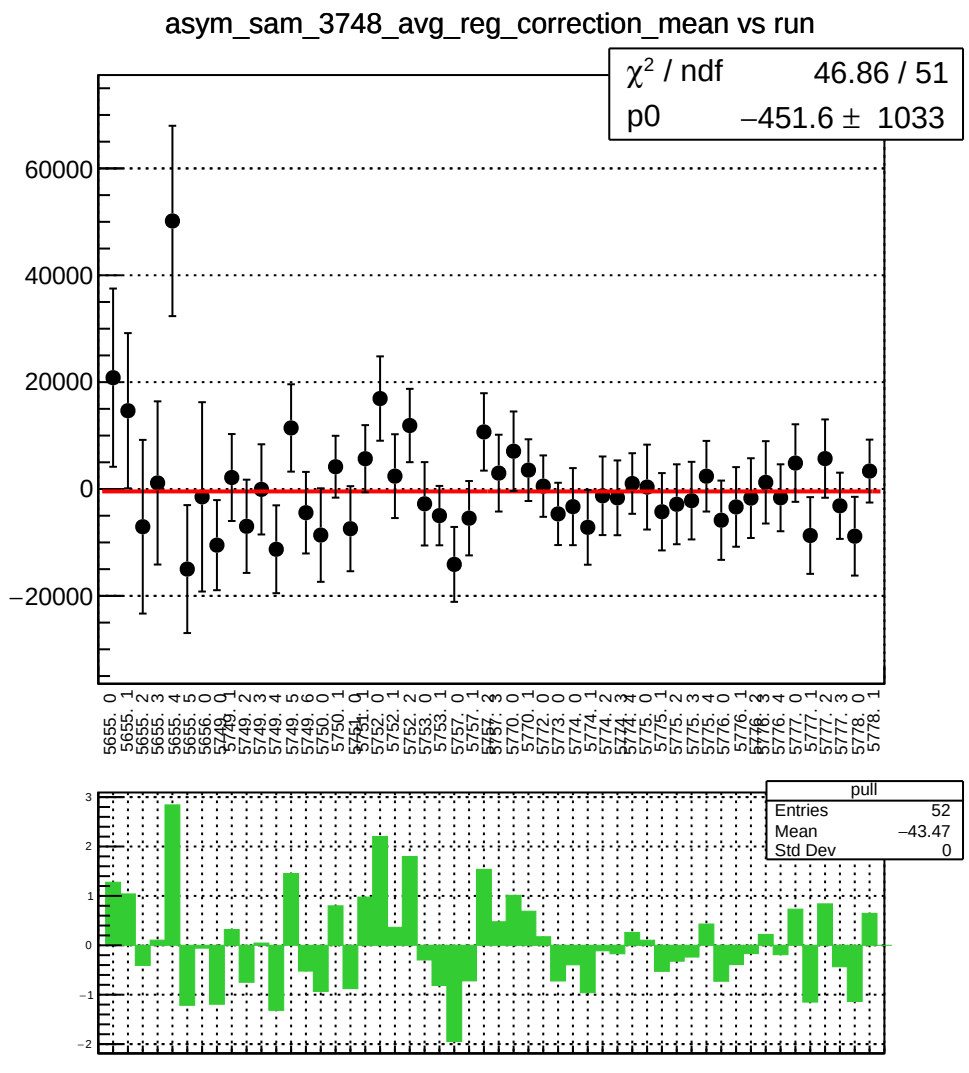

pull1D
Entries 52
Mean −0.1574
Std Dev 1.113

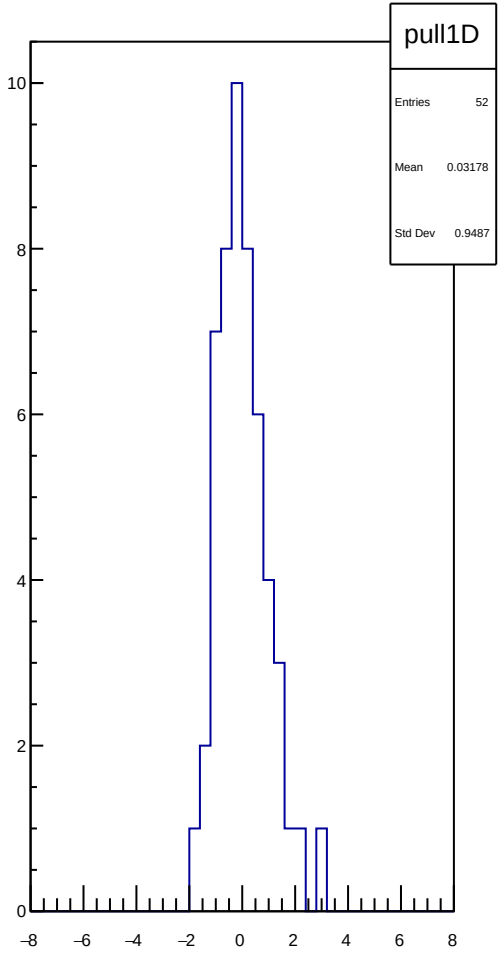

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.724e+05 / 51
p0 1.79e−11 ± 2.104e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

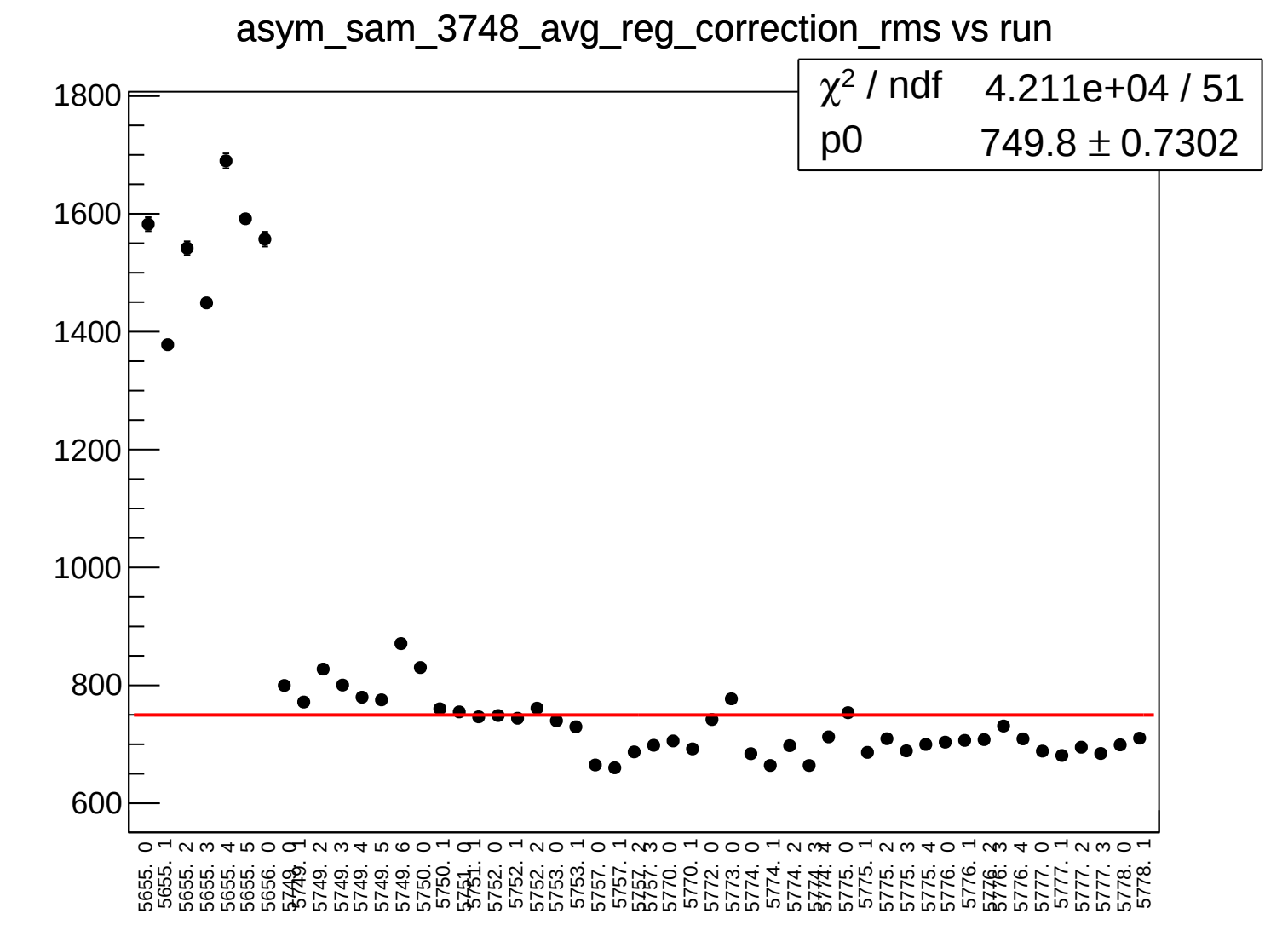

reg_asym_sam_3748_avg_mean vs run
χ² / ndf 60.37 / 51
p0 −24.53 ± 96.87
2000
1000
0
−1000
−2000
pull
Entries 52
Mean 161
Std Dev 0

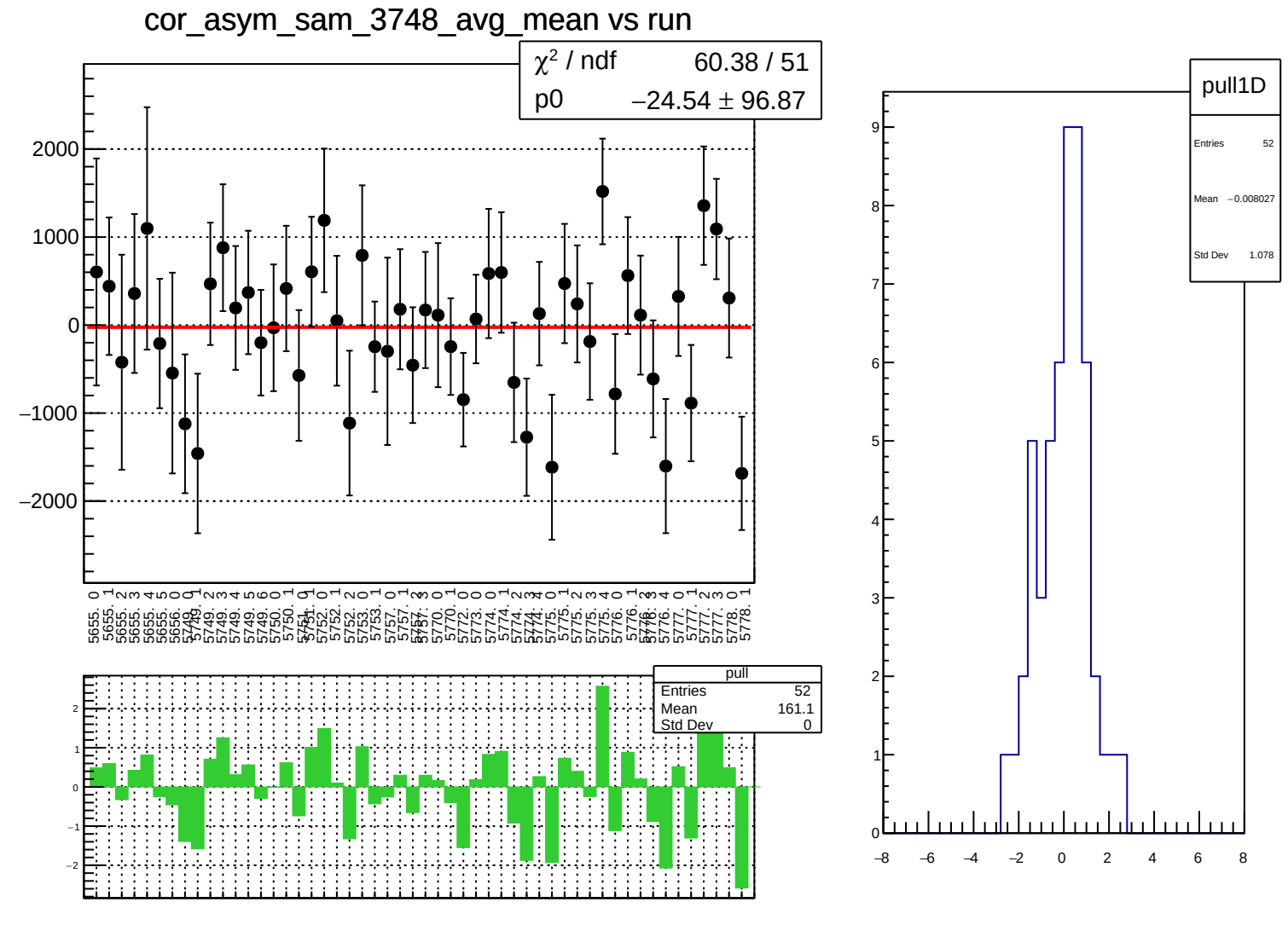

pull1D
Entries 52
Mean −0.008029
Std Dev 1.077

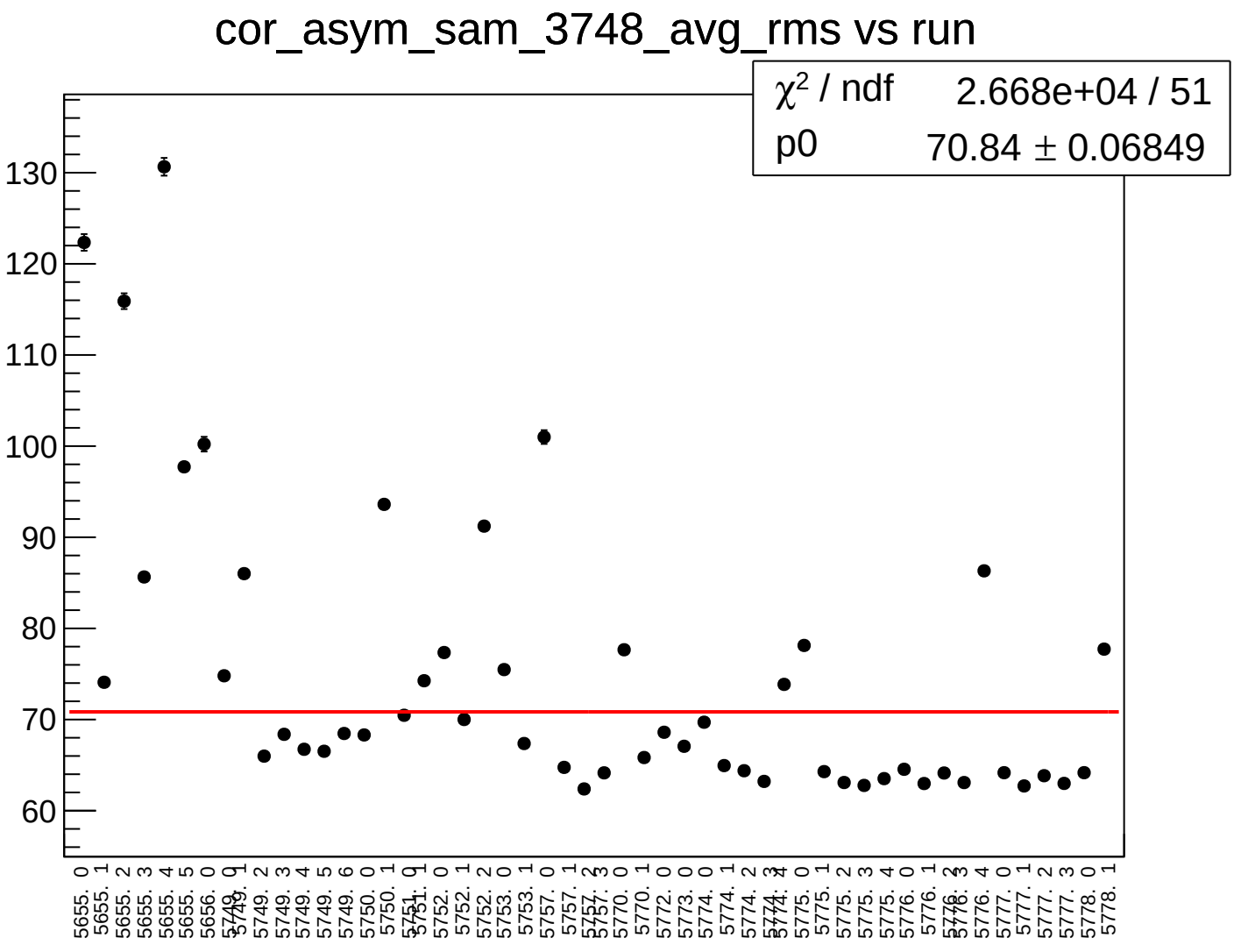

reg_asym_sam_3748_avg_rms vs run
χ^2 / ndf 2.668e+04 / 51
p0 70.84 ± 0.06849
130
120
110
100
90
80
70
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

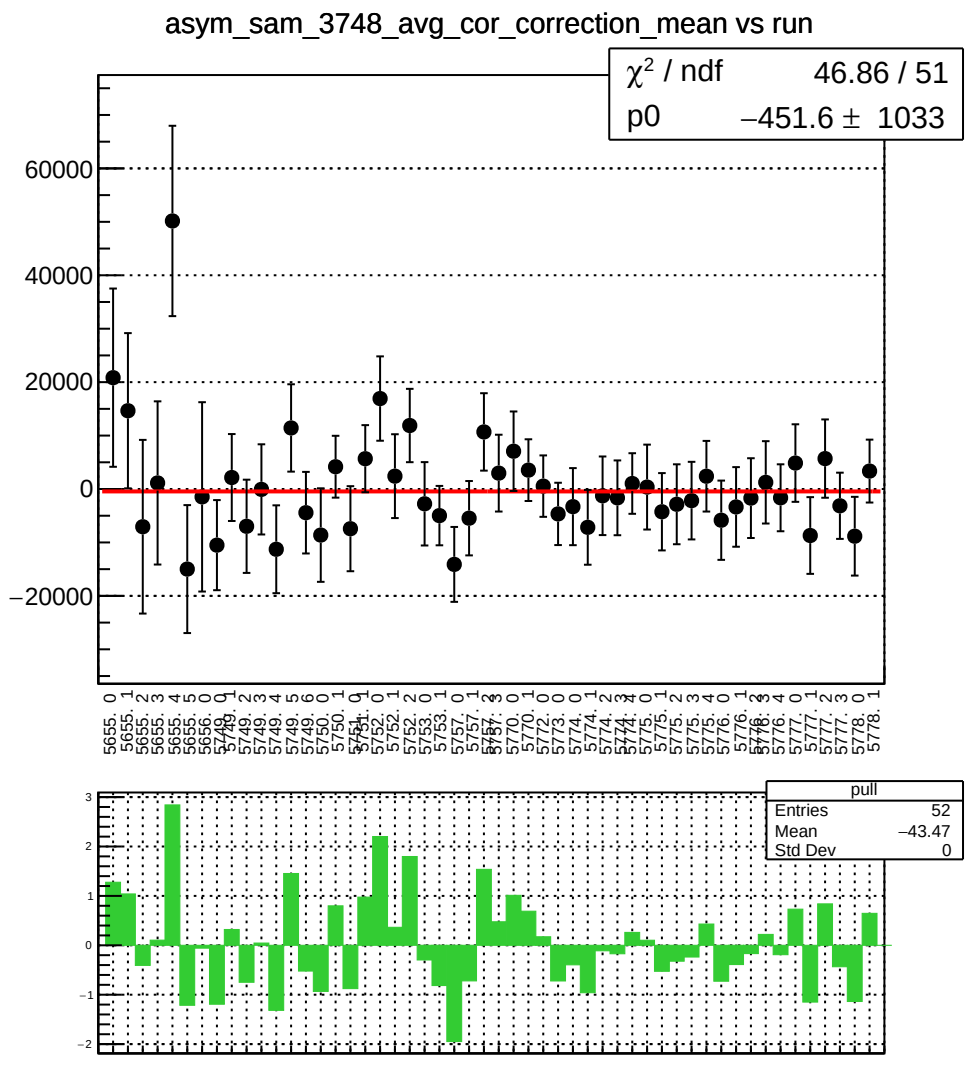

asym_sam_3748_avg_reg_correction_mean vs run
χ² / ndf 46.86 / 51
p0 −451.6 ± 1033
60000
40000
20000
0
−20000
pull
Entries 52
Mean −43.47
Std Dev 0
3
2
1
0
−1
−2

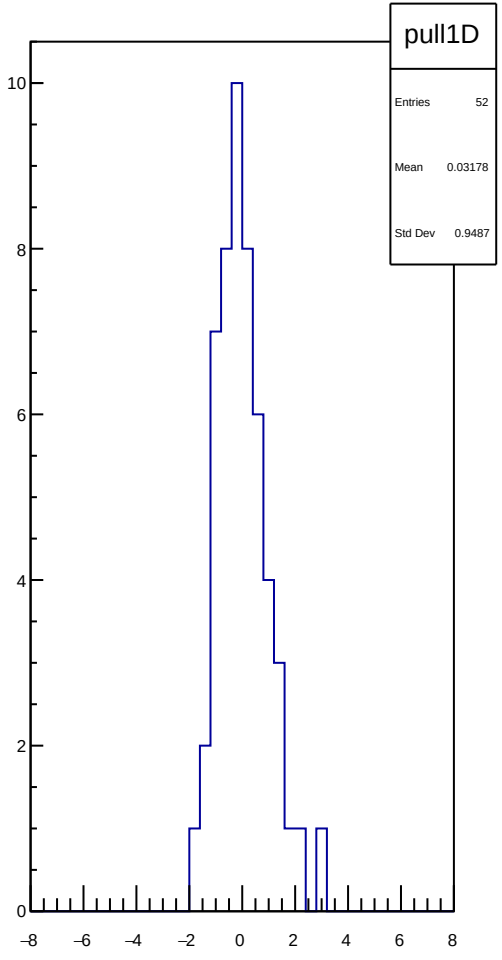

pull1D
Entries 52
Mean 0.03178
Std Dev 0.9487
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

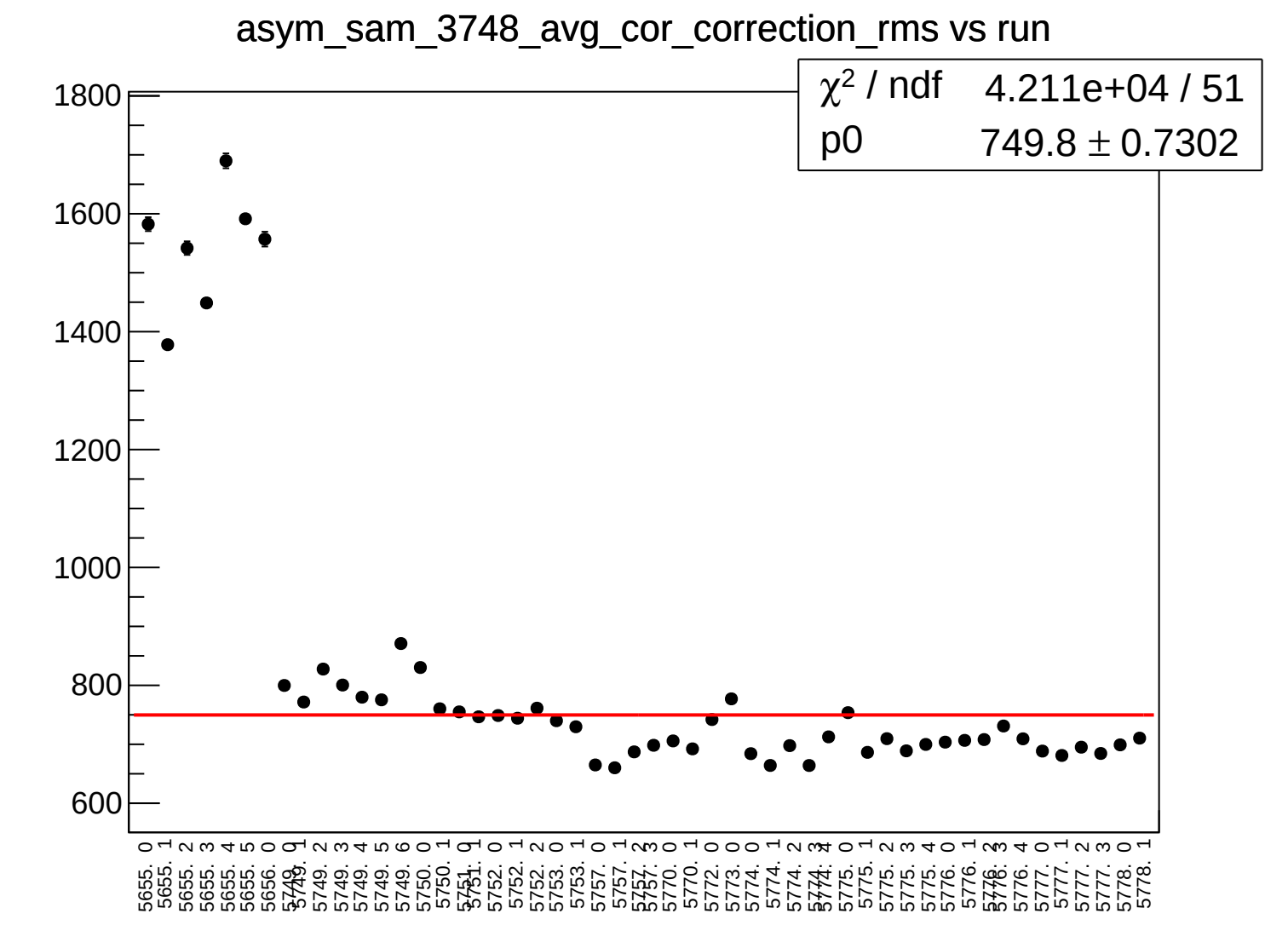

asym_sam_3748_avg_reg_correction_rms vs run
χ² / ndf 4.211e+04 / 51
p0 749.8 ± 0.7302
1800
1600
1400
1200
1000
800
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_sam_3748_avg_mean vs run
χ² / ndf 60.38 / 51
p0 −24.54 ± 96.87
2000
1000
0
−1000
−2000
pull
Entries 52
Mean 161.1
Std Dev 0
pull1D
Entries 52
Mean −0.008027
Std Dev 1.078


cor_asym_sam_3748_avg_rms vs run
χ^2 / ndf 2.668e+04 / 51
p0 70.84 ± 0.06849
130
120
110
100
90
80
70
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_3748_avg_cor_correction_mean vs run
χ² / ndf 46.86 / 51
p0 −451.6 ± 1033
60000
40000
20000
0
−20000
pull
Entries 52
Mean −43.47
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.03178
Std Dev 0.9487
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 4.211e+04 / 51
p0 749.8 ± 0.7302
1800
1600
1400
1200
1000
800
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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5776. 3
5776. 4
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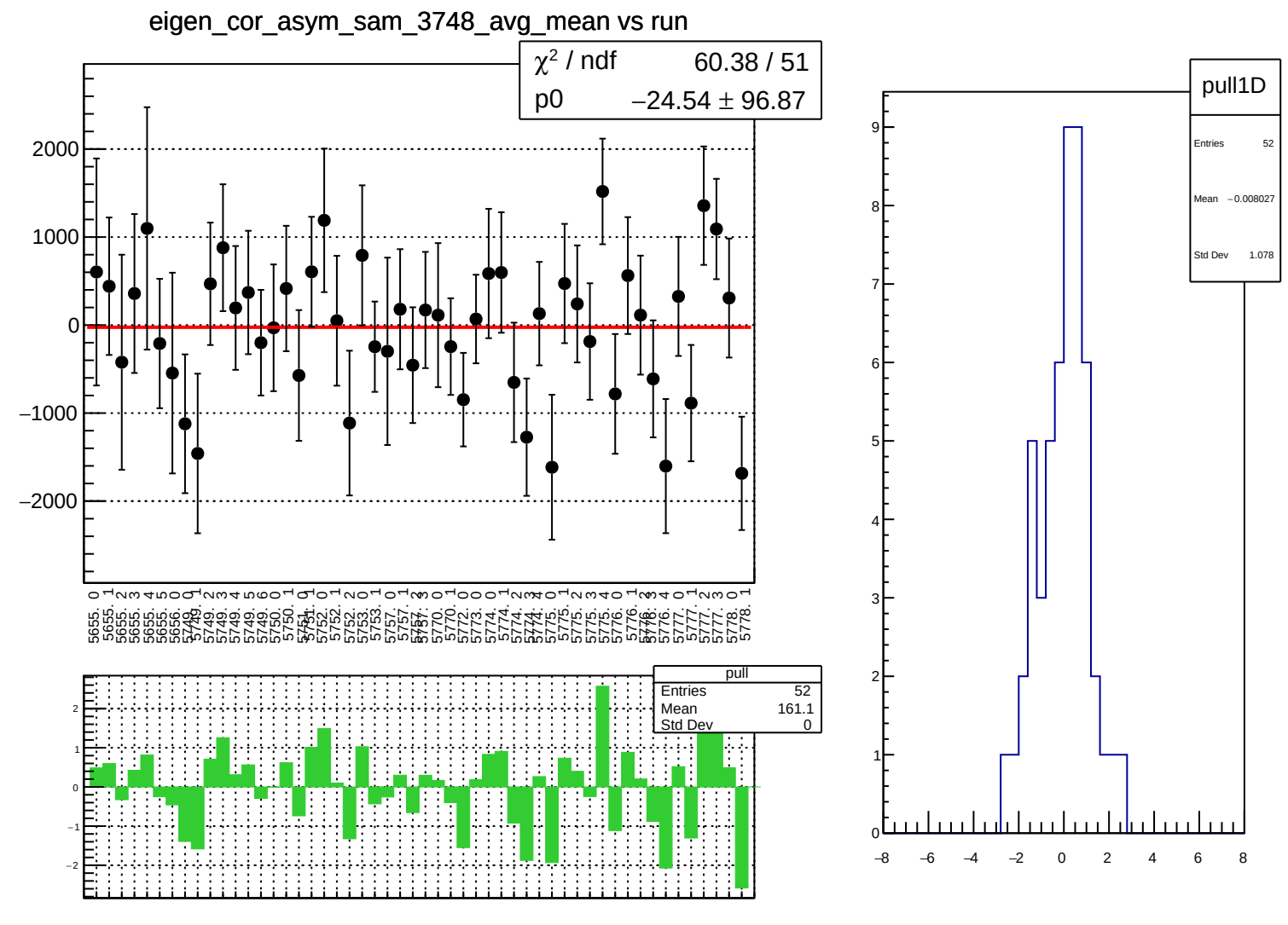
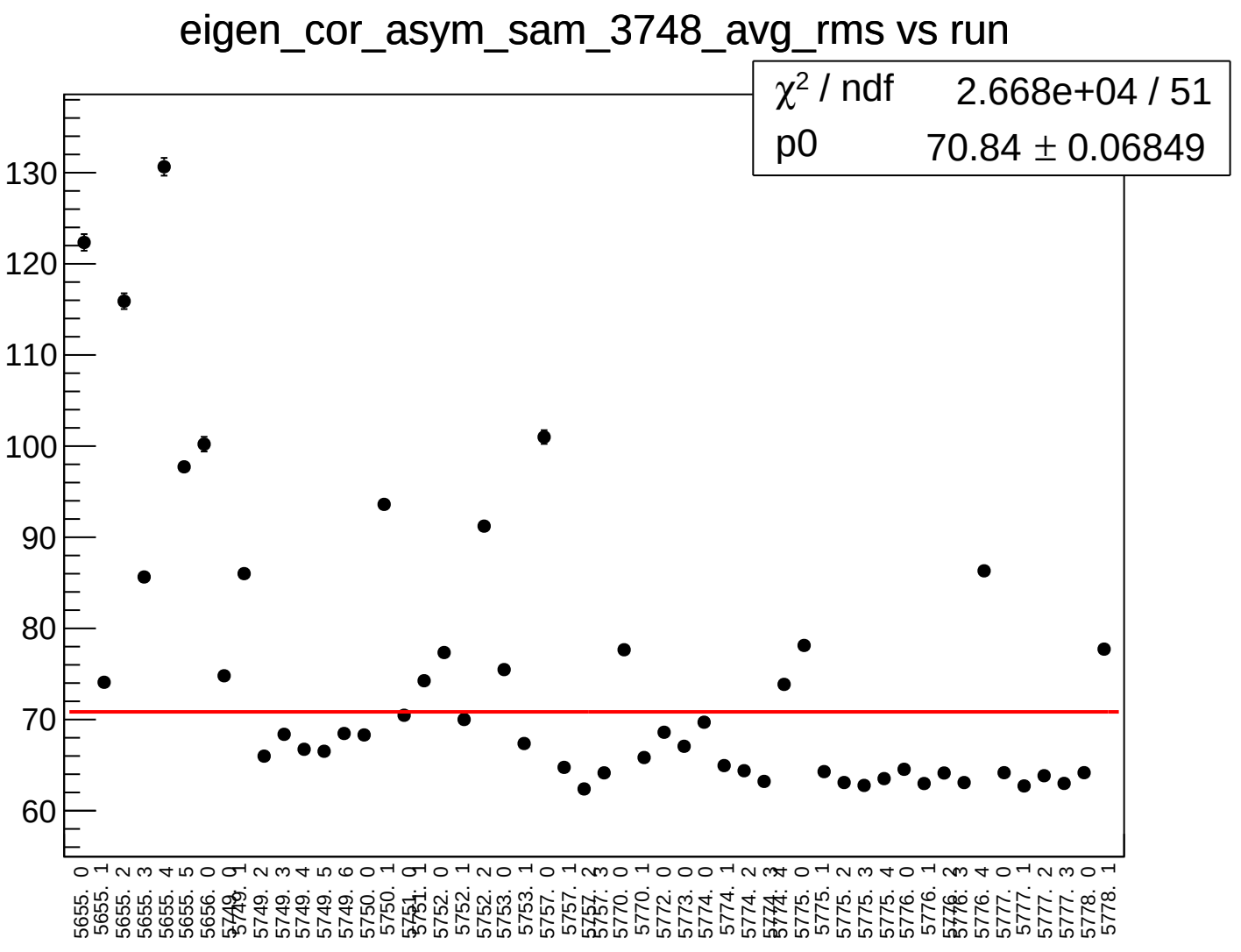
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_sam_3748_avg_mean vs run
χ² / ndf 60.38 / 51
p0 −24.54 ± 96.87
2000
1000
0
−1000
−2000
pull
Entries 52
Mean 161.1
Std Dev 0
pull1D
Entries 52
Mean −0.008027
Std Dev 1.078


eigen_cor_asym_sam_3748_avg_rms vs run
χ^2 / ndf 2.668e+04 / 51
p0 70.84 ± 0.06849
130
120
110
100
90
80
70
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
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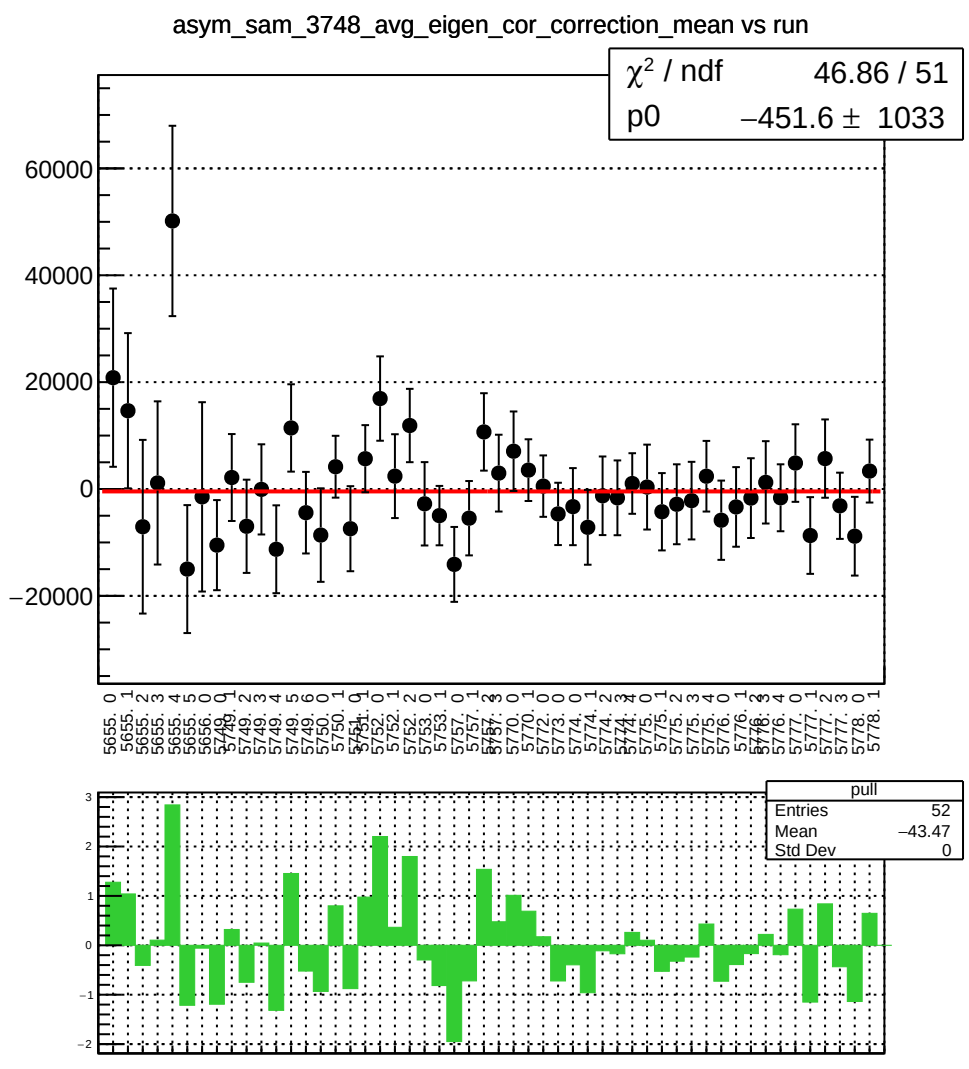
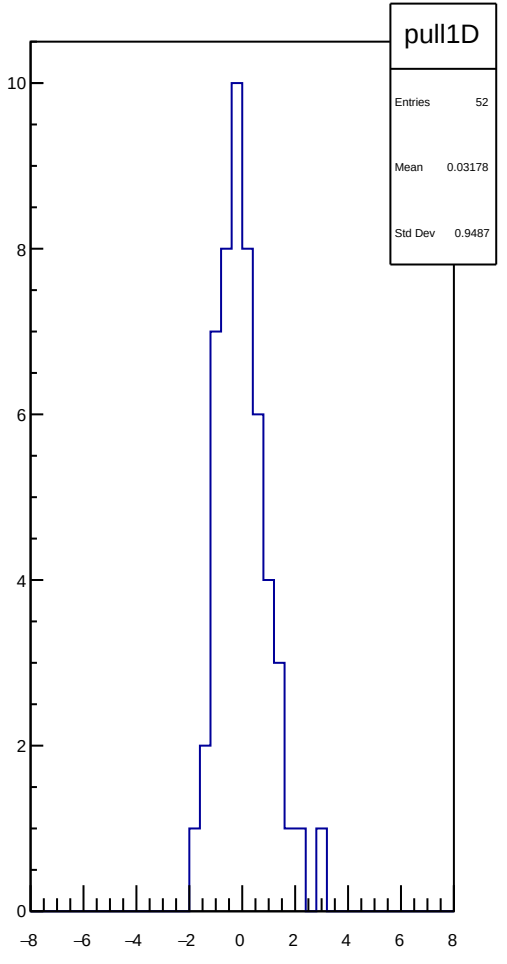
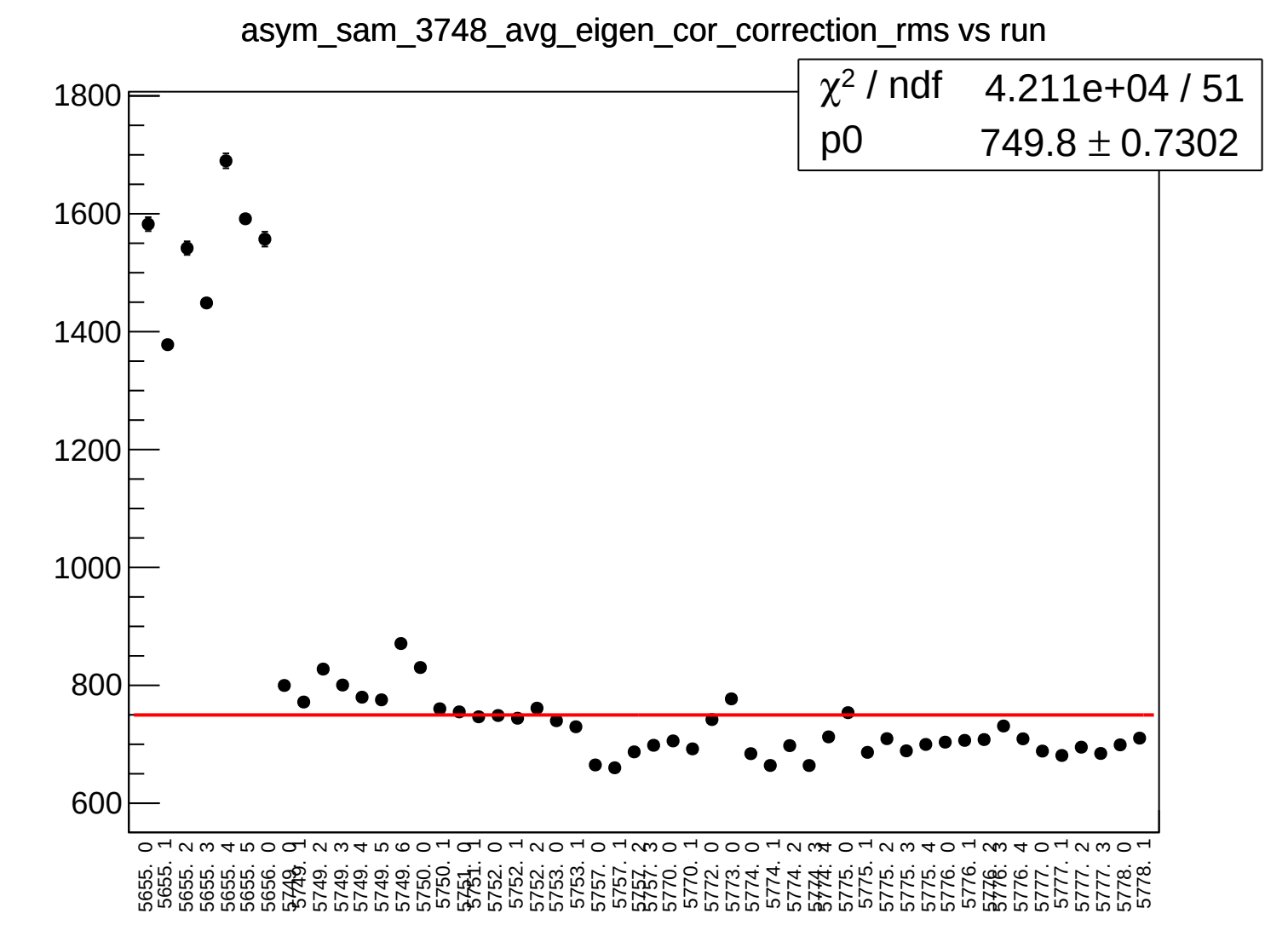
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_3748_avg_eigen_cor_correction_mean vs run
χ² / ndf 46.86 / 51
p0 −451.6 ± 1033
60000
40000
20000
0
−20000
pull
Entries 52
Mean −43.47
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.03178
Std Dev 0.9487
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 4.211e+04 / 51
p0 749.8 ± 0.7302
1800
1600
1400
1200
1000
800
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
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5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
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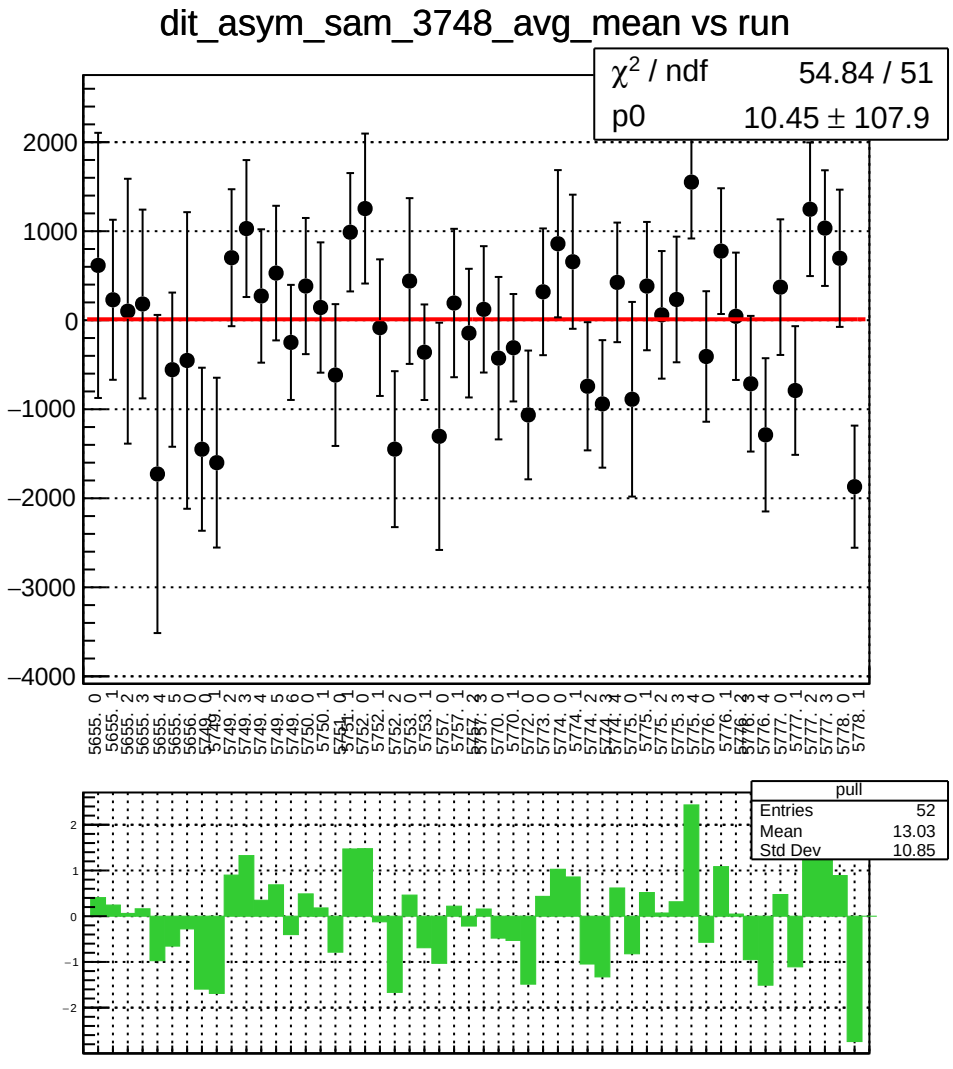
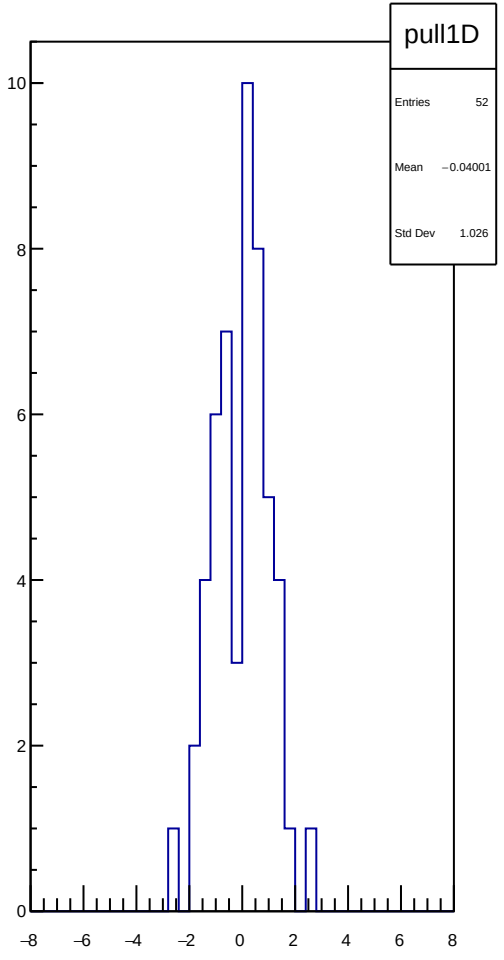
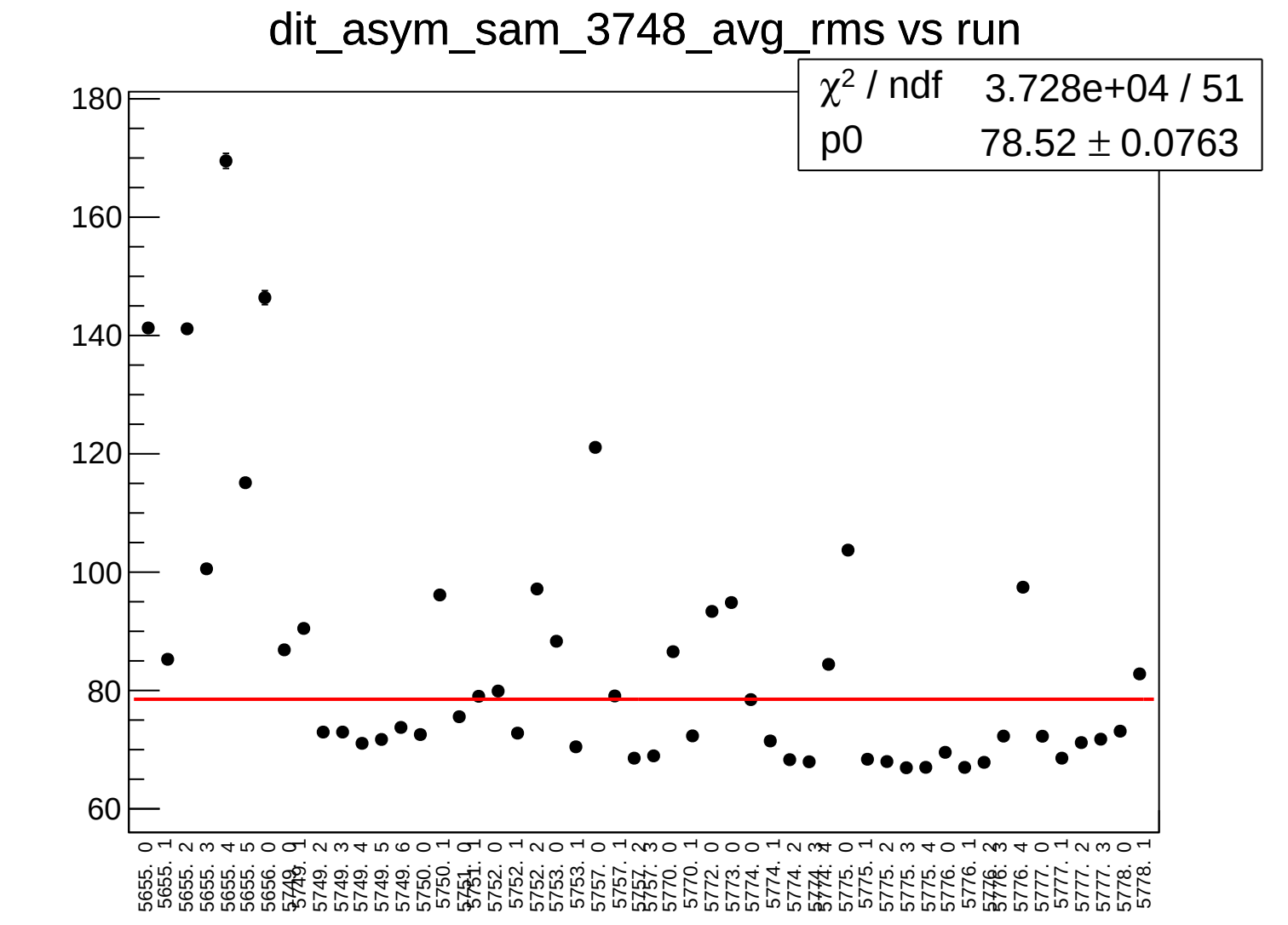
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


dit_asym_sam_3748_avg_mean vs run
χ² / ndf 54.84 / 51
p0 10.45 ± 107.9
pull
Entries 52
Mean 13.03
Std Dev 10.85


pull1D
Entries 52
Mean −0.04001
Std Dev 1.026


dit_asym_sam_3748_avg_rms vs run
χ² / ndf 3.728e+04 / 51
p0 78.52 ± 0.0763
180
160
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
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5753. 0
5753. 1
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5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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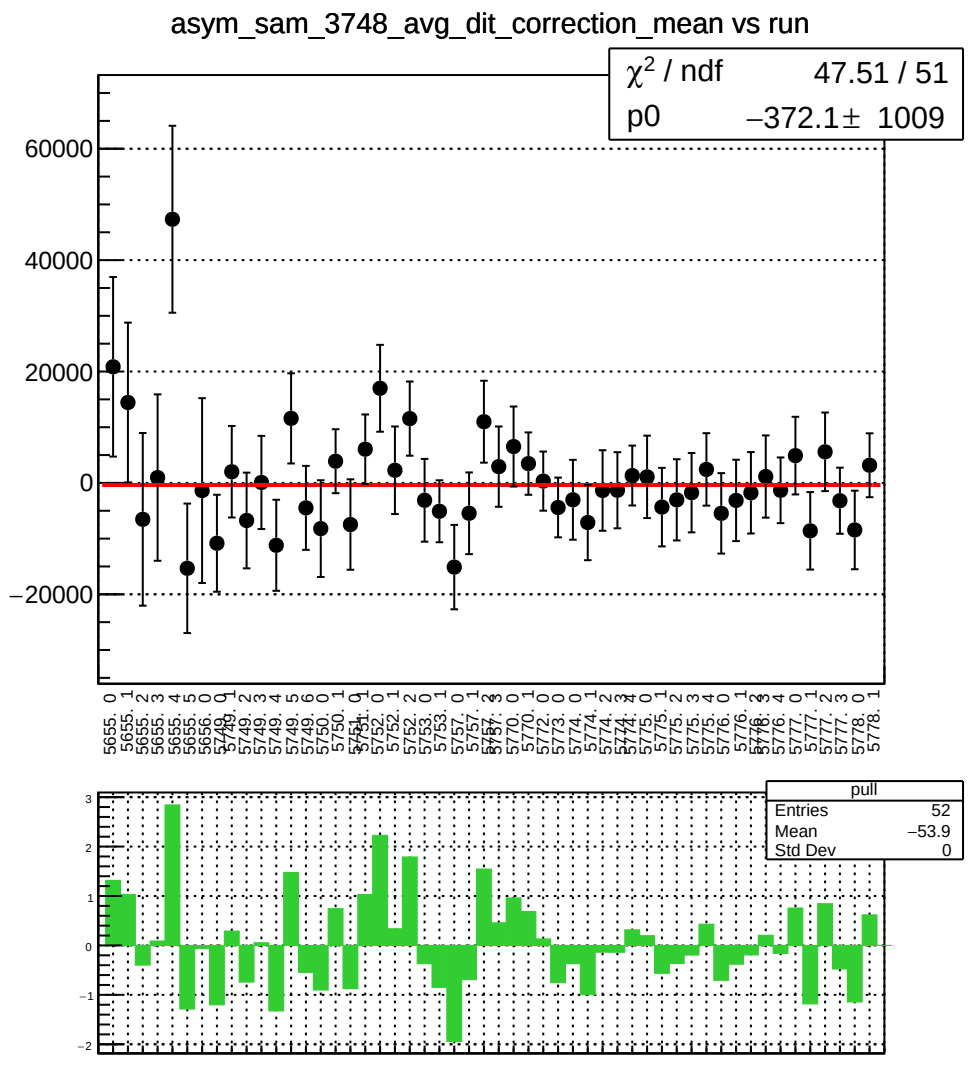
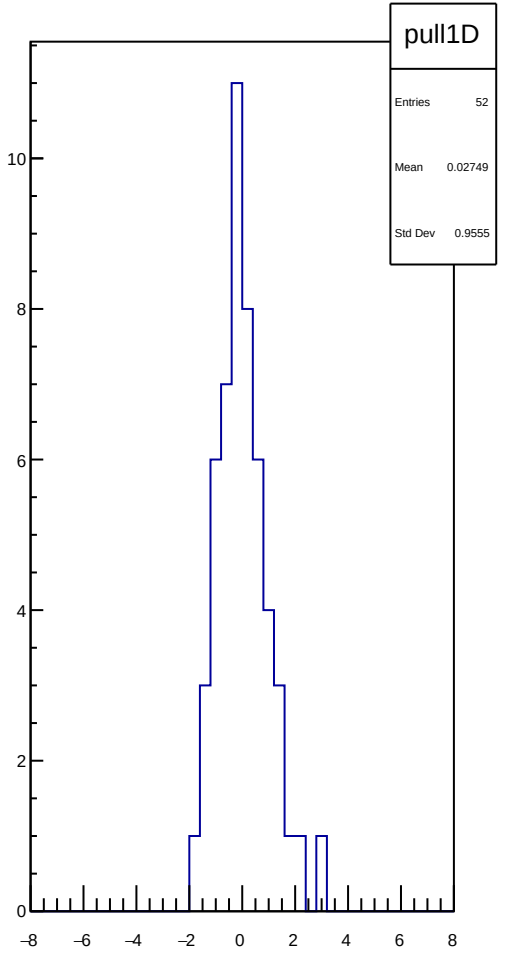
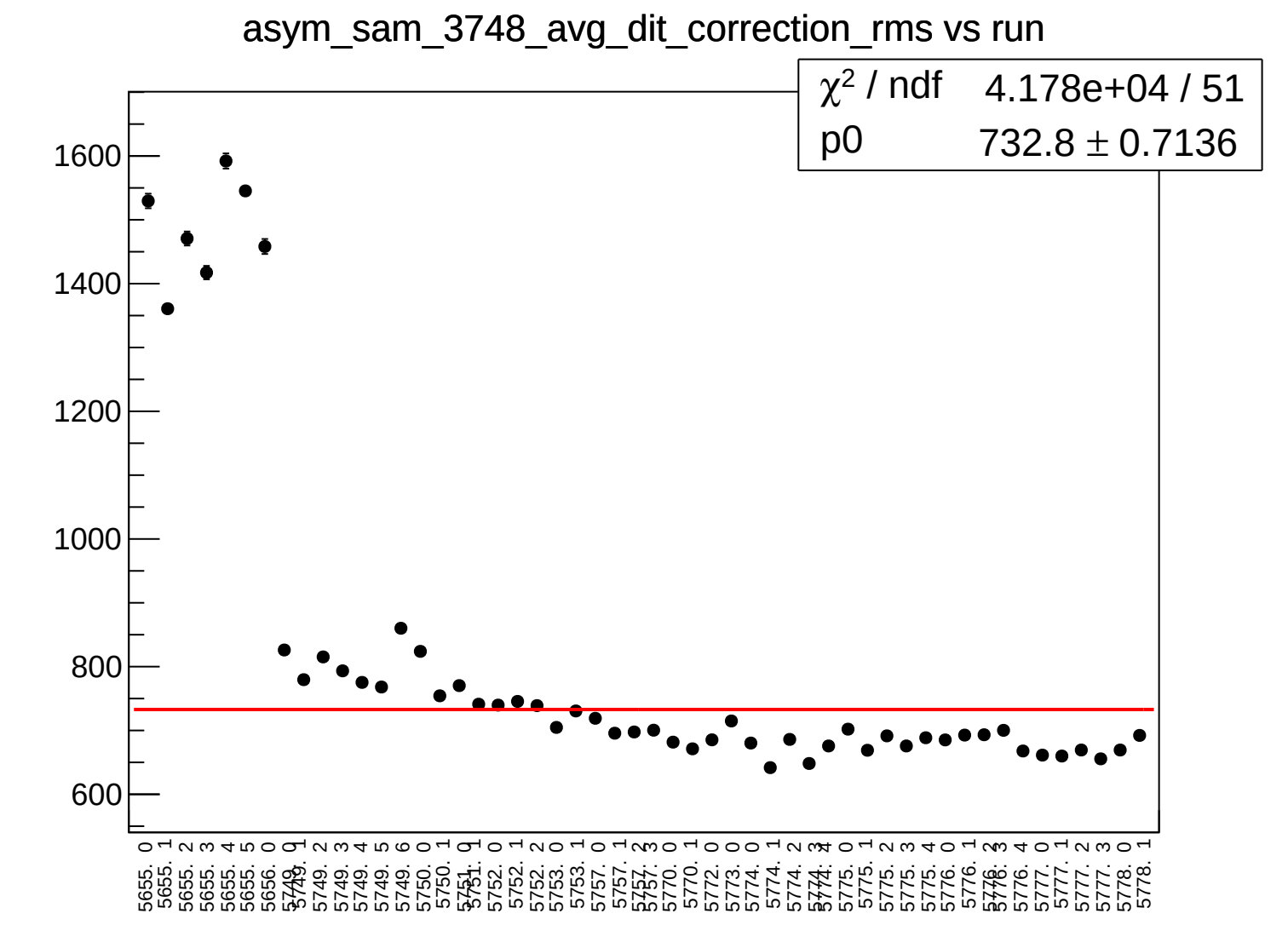
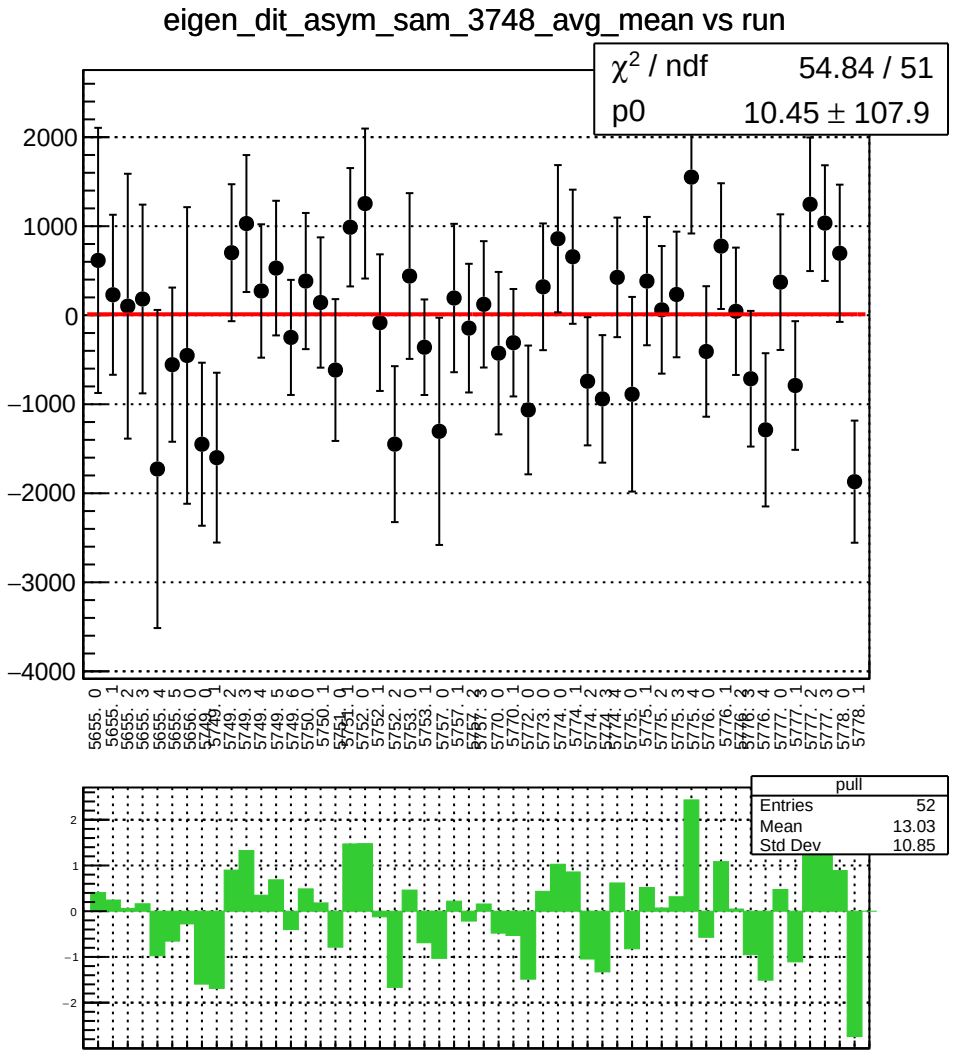
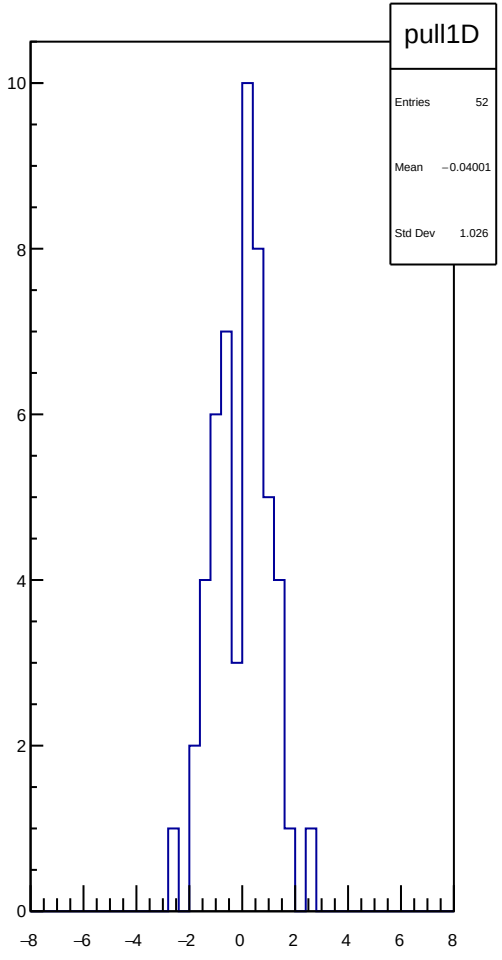
5778. 0
5778. 1

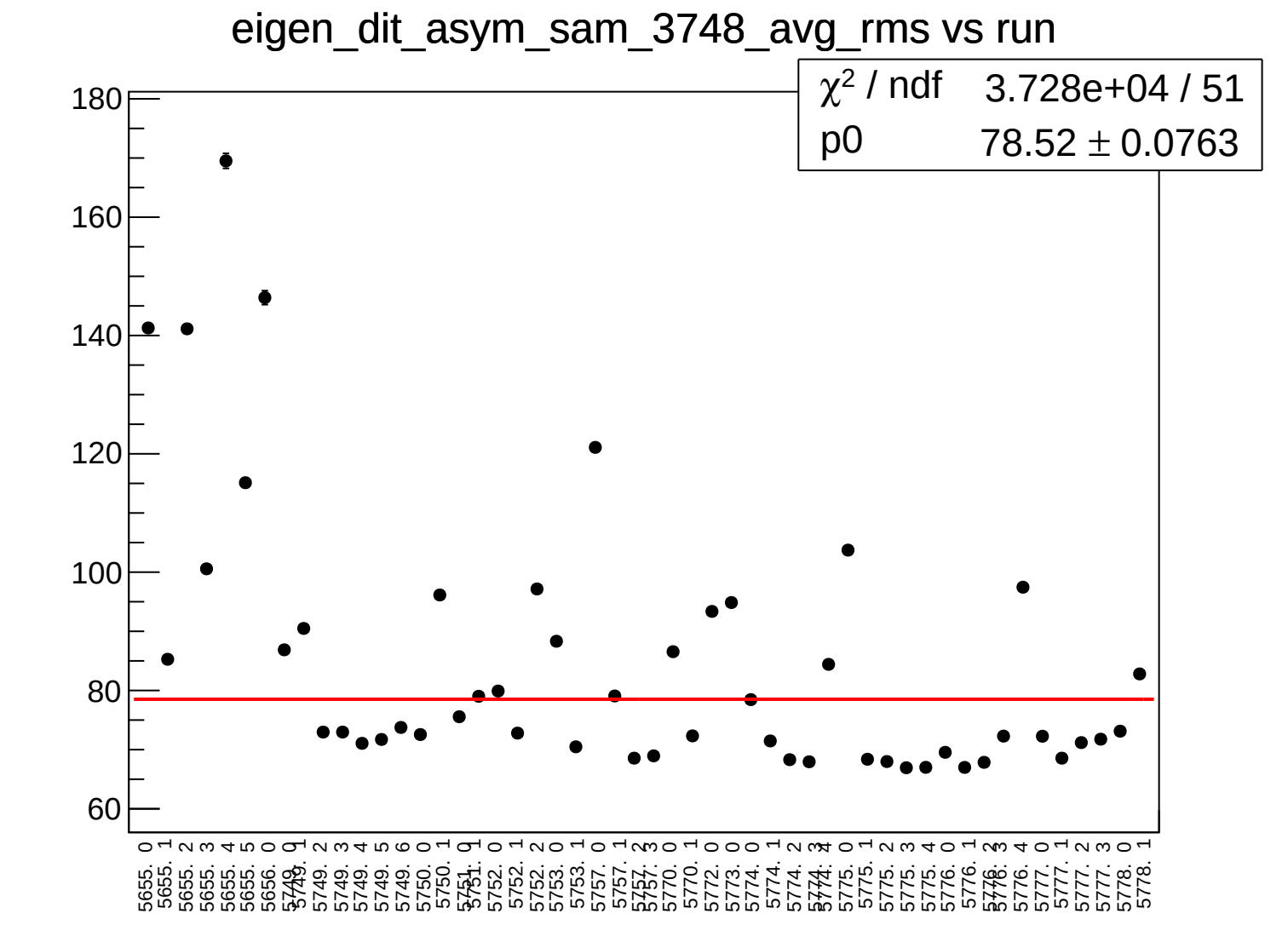

asym_sam_3748_avg_dit_correction_mean vs run
χ² / ndf 47.51 / 51
p0 −372.1± 1009
60000
40000
20000
0
−20000
pull
Entries 52
Mean −53.9
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.02749
Std Dev 0.9555
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3748_avg_dit_correction_rms vs run
χ² / ndf 4.178e+04 / 51
p0 732.8 ± 0.7136
1600
1400
1200
1000
800
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_dit_asym_sam_3748_avg_mean vs run
χ² / ndf 54.84 / 51
p0 10.45 ± 107.9
pull
Entries 52
Mean 13.03
Std Dev 10.85


pull1D
Entries 52
Mean −0.04001
Std Dev 1.026


eigen_dit_asym_sam_3748_avg_rms vs run
χ² / ndf 3.728e+04 / 51
p0 78.52 ± 0.0763
180
160
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
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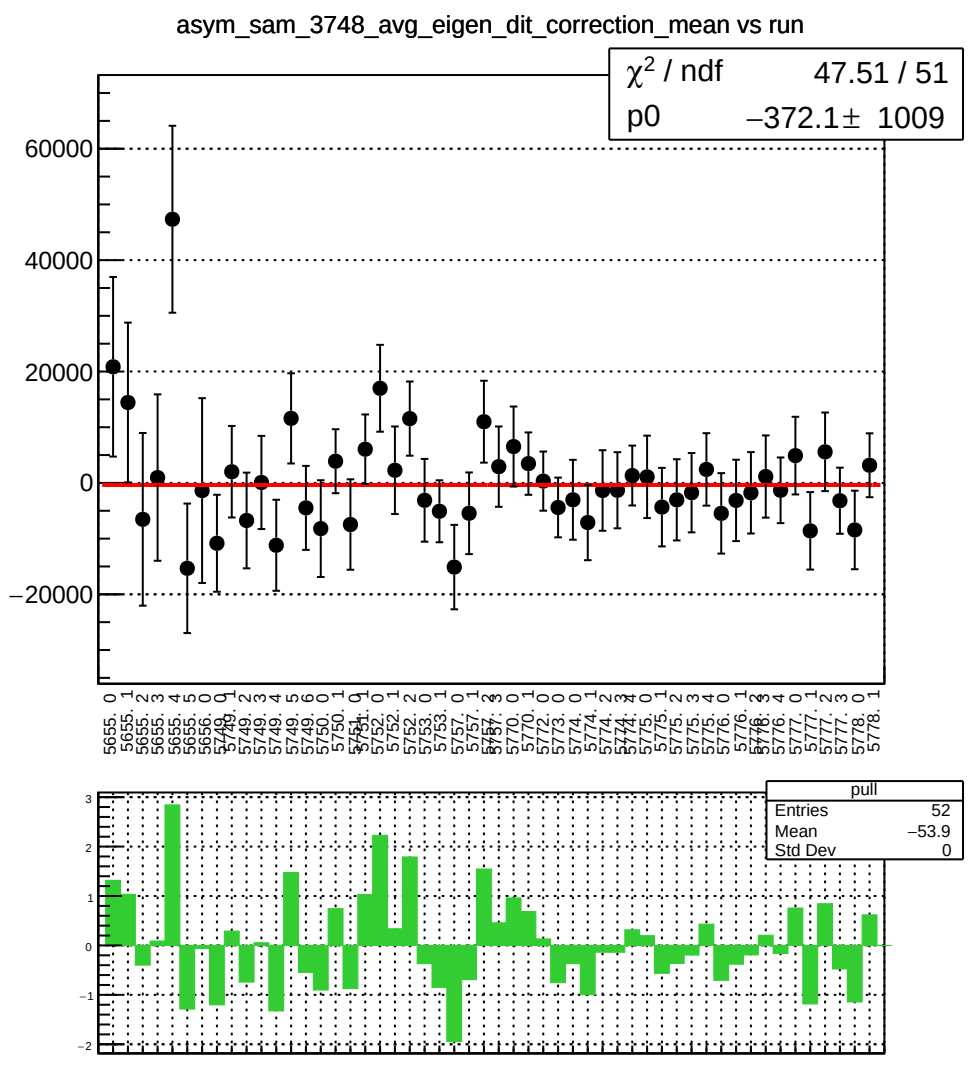
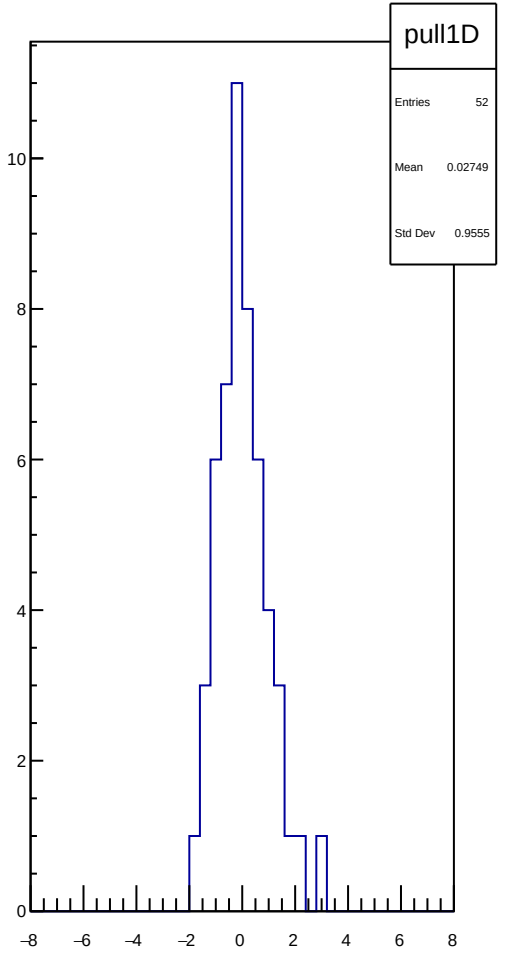
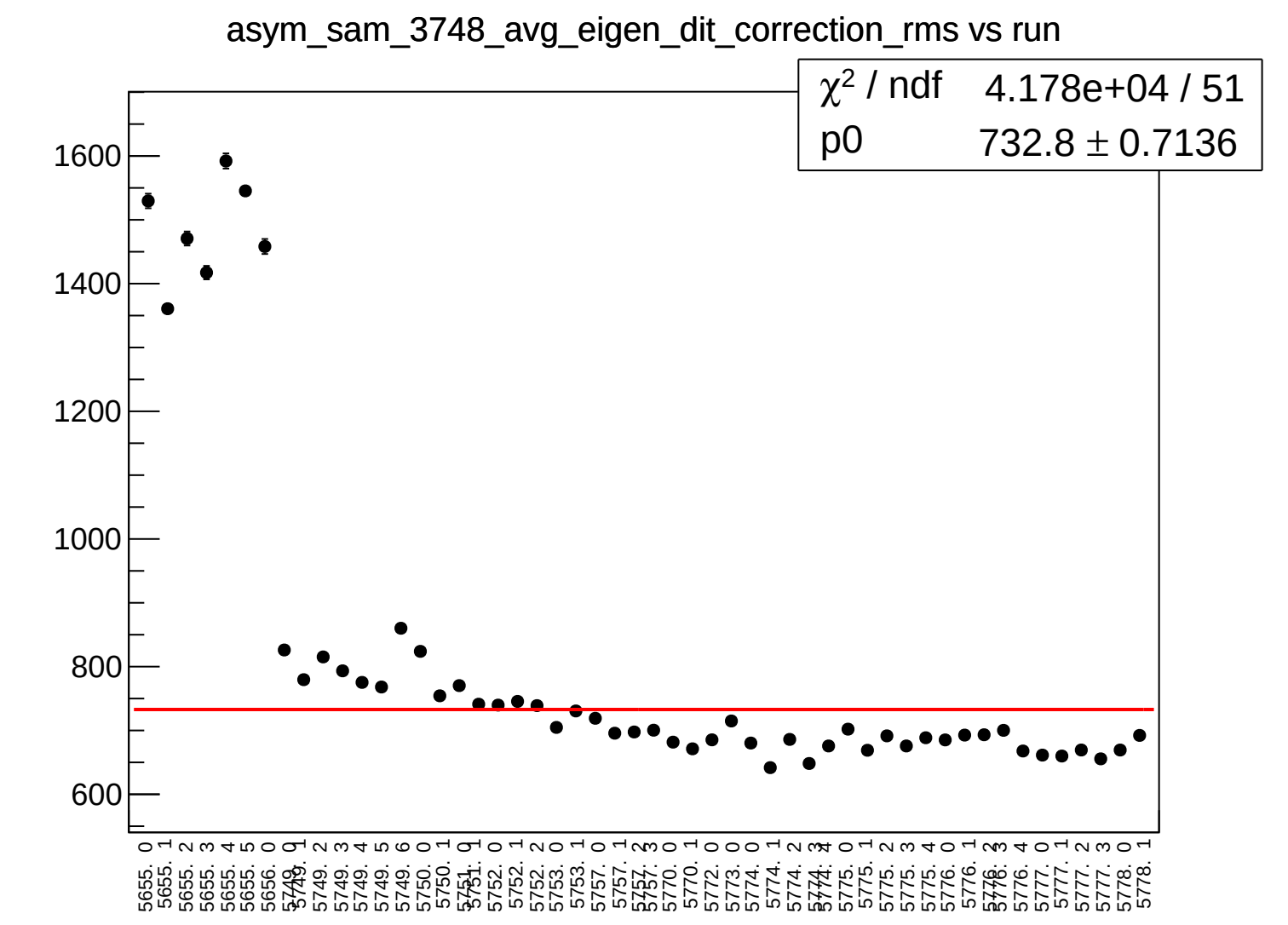
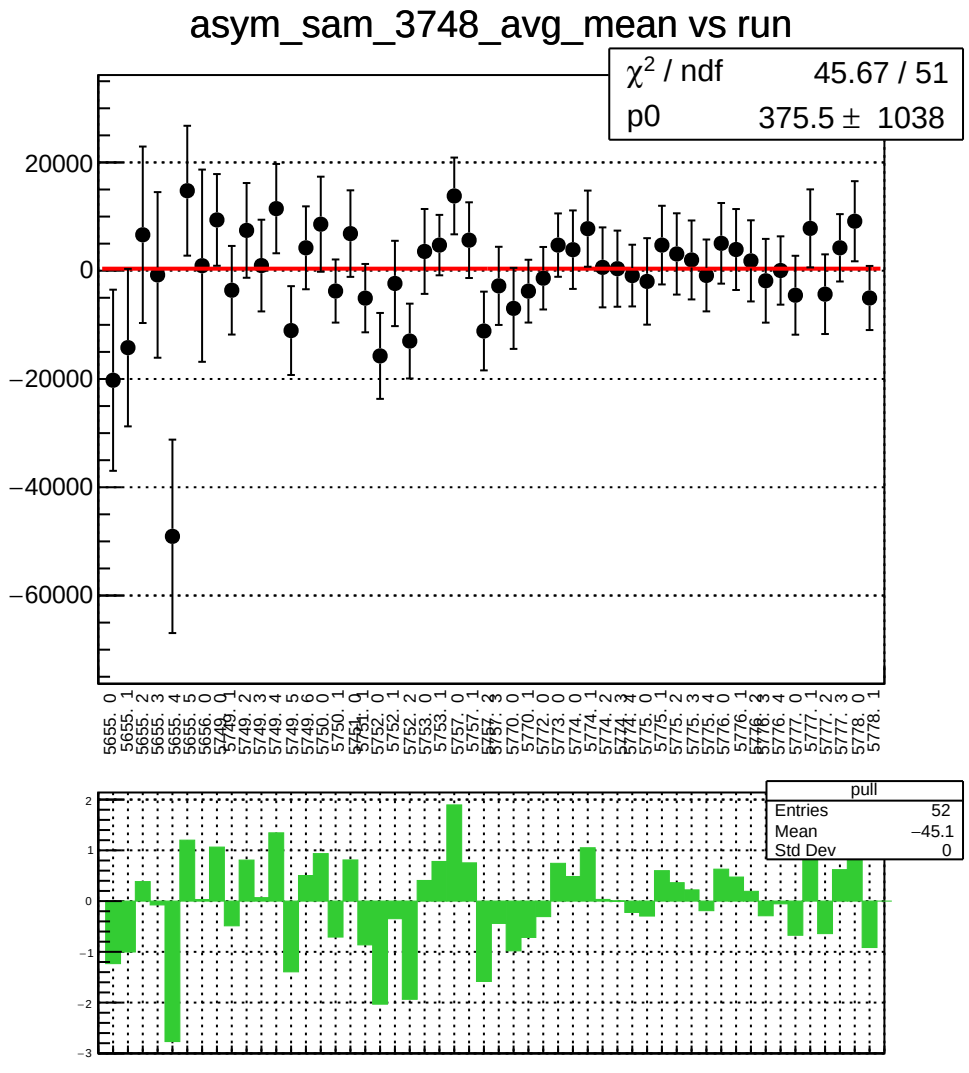
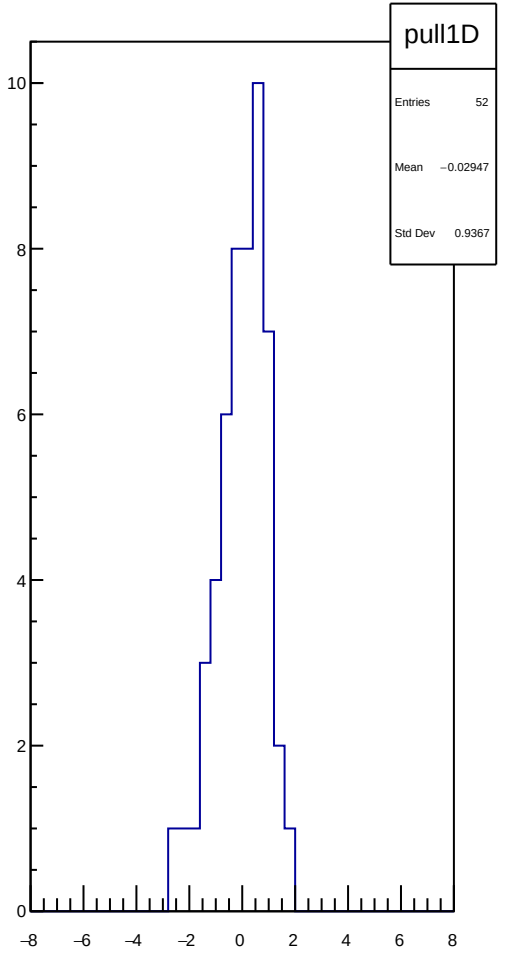
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

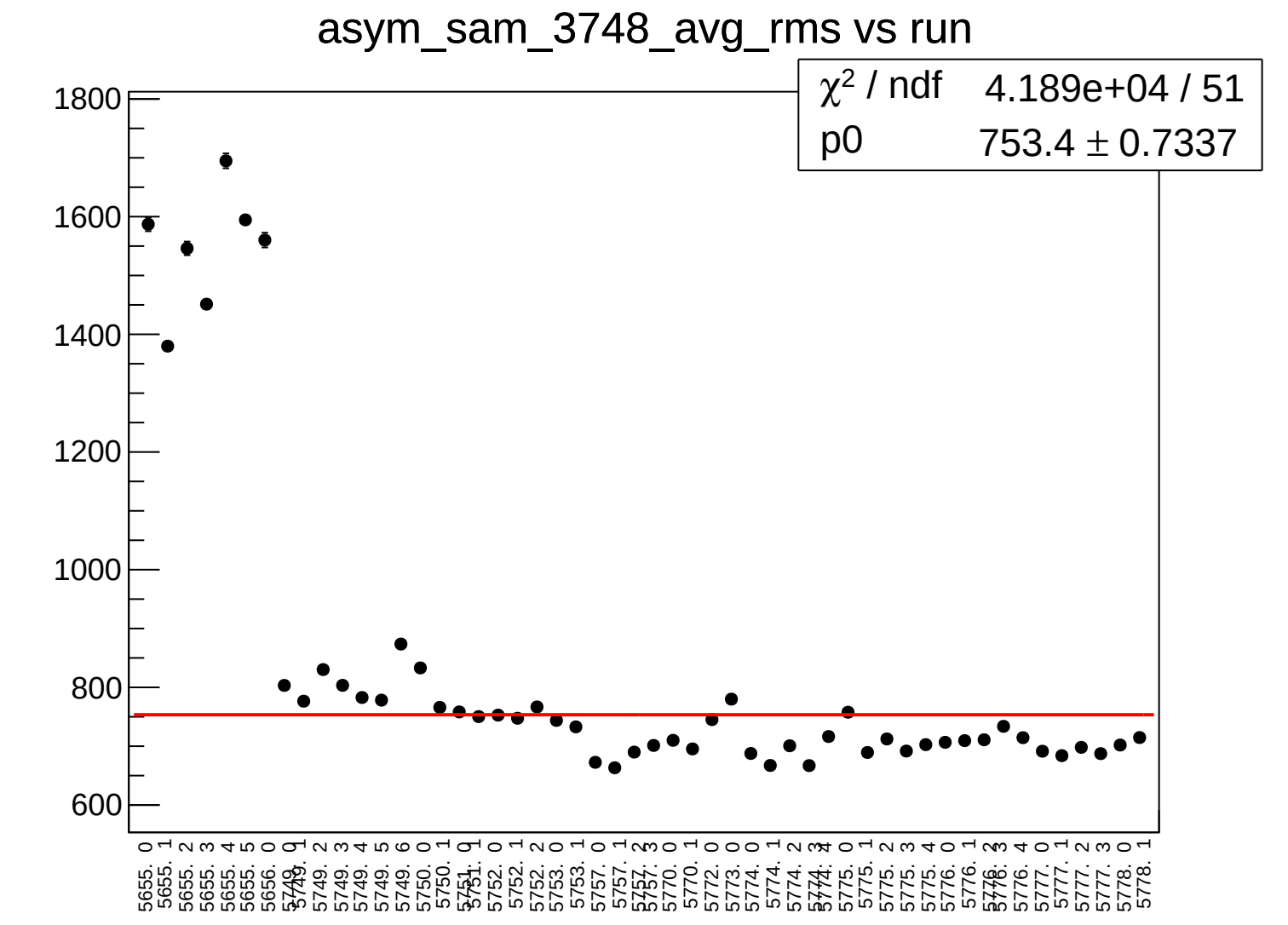

asym_sam_3748_avg_eigen_dit_correction_mean vs run
χ² / ndf 47.51 / 51
p0 −372.1± 1009
60000
40000
20000
0
−20000
pull
Entries 52
Mean −53.9
Std Dev 0
3
2
1
0
−1
−2

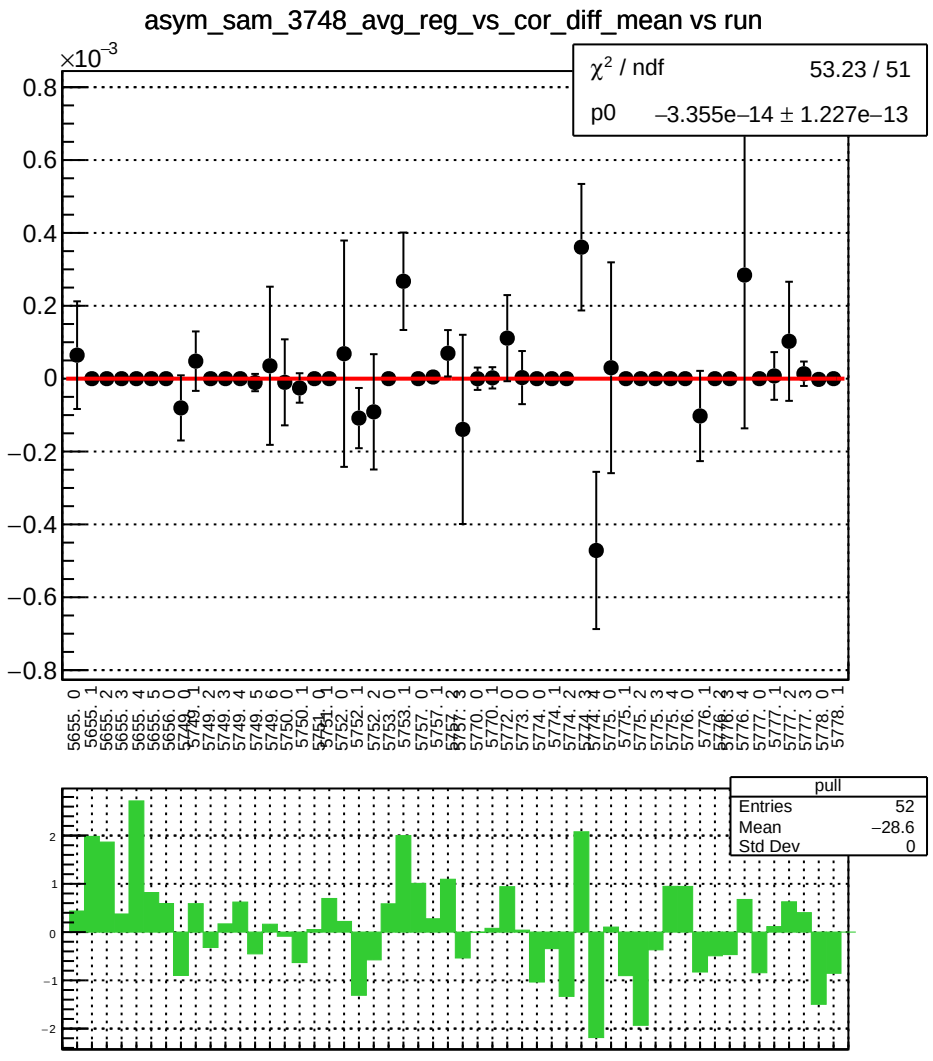

pull1D
Entries 52
Mean 0.02749
Std Dev 0.9555
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

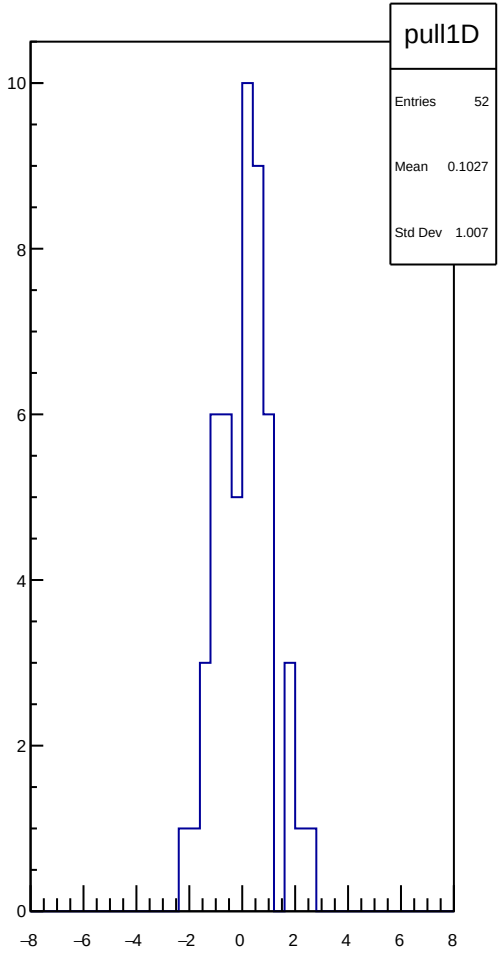

asym_sam_3748_avg_eigen_dit_correction_rms vs run
χ² / ndf 4.178e+04 / 51
p0 732.8 ± 0.7136
1600
1400
1200
1000
800
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

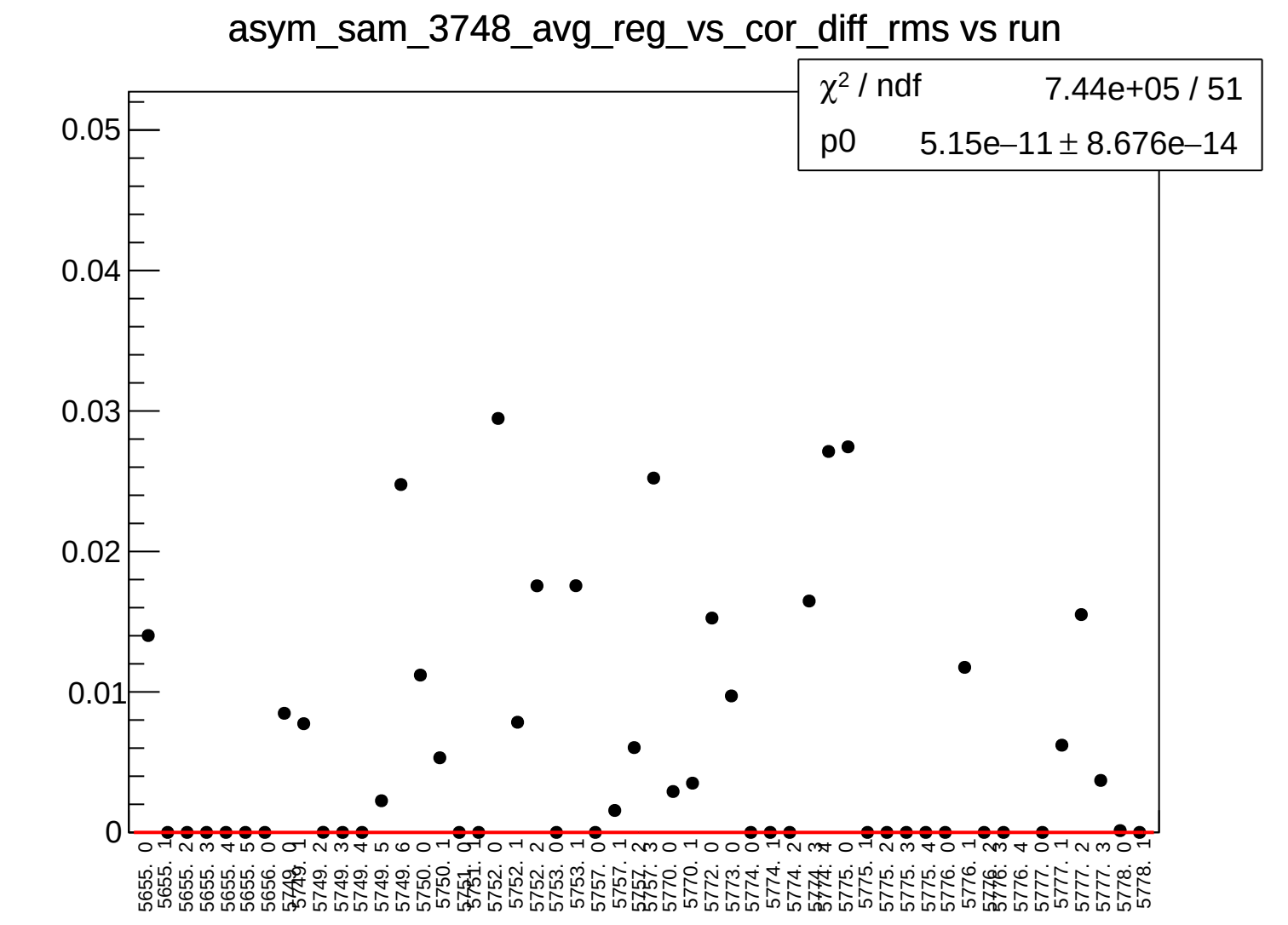

asym_sam_3748_avg_mean vs run
χ² / ndf 45.67 / 51
p0 375.5 ± 1038
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −45.1
Std Dev 0

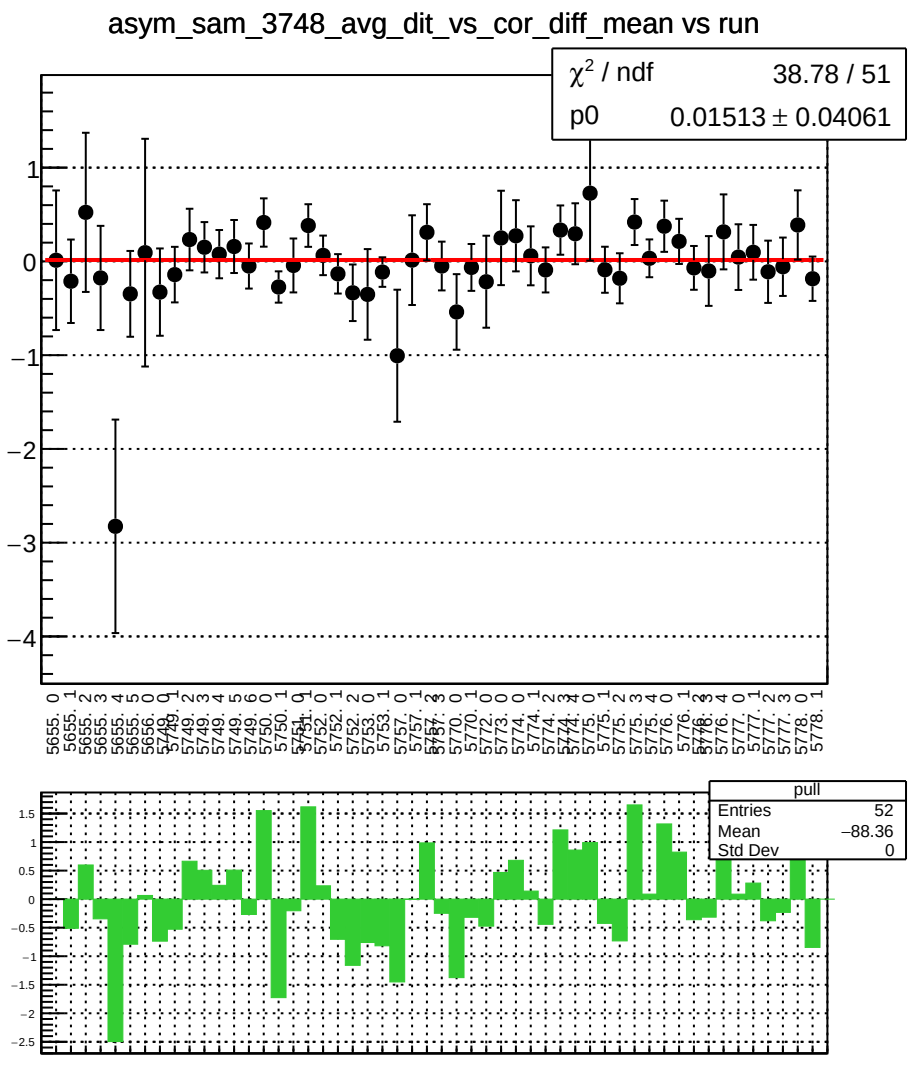

pull1D
Entries 52
Mean −0.02947
Std Dev 0.9367

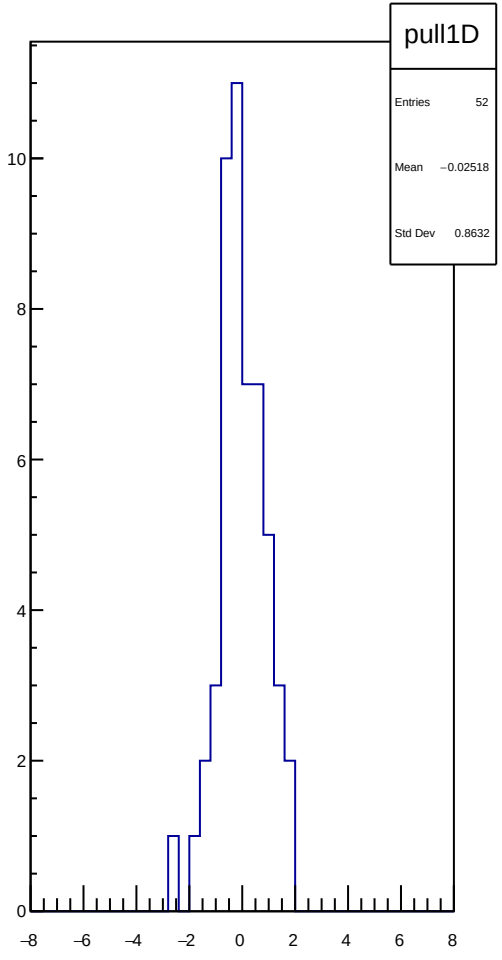

asym_sam_3748_avg_rms vs run
χ² / ndf 4.189e+04 / 51
p0 753.4 ± 0.7337
1800
1600
1400
1200
1000
800
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

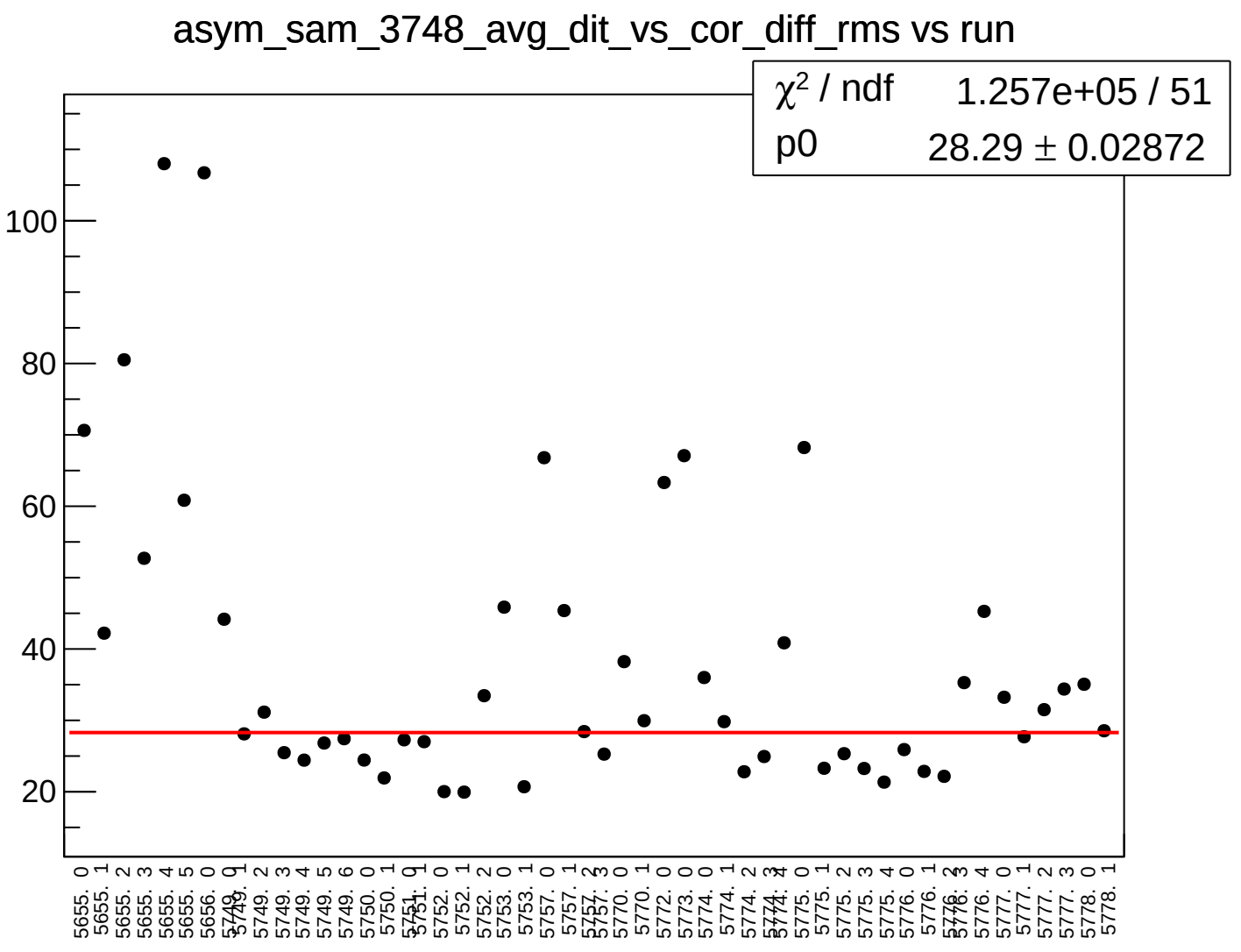

asym_sam_3748_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 53.23 / 51
p0 −3.355e−14 ± 1.227e−13
pull
Entries 52
Mean −28.6
Std Dev 0

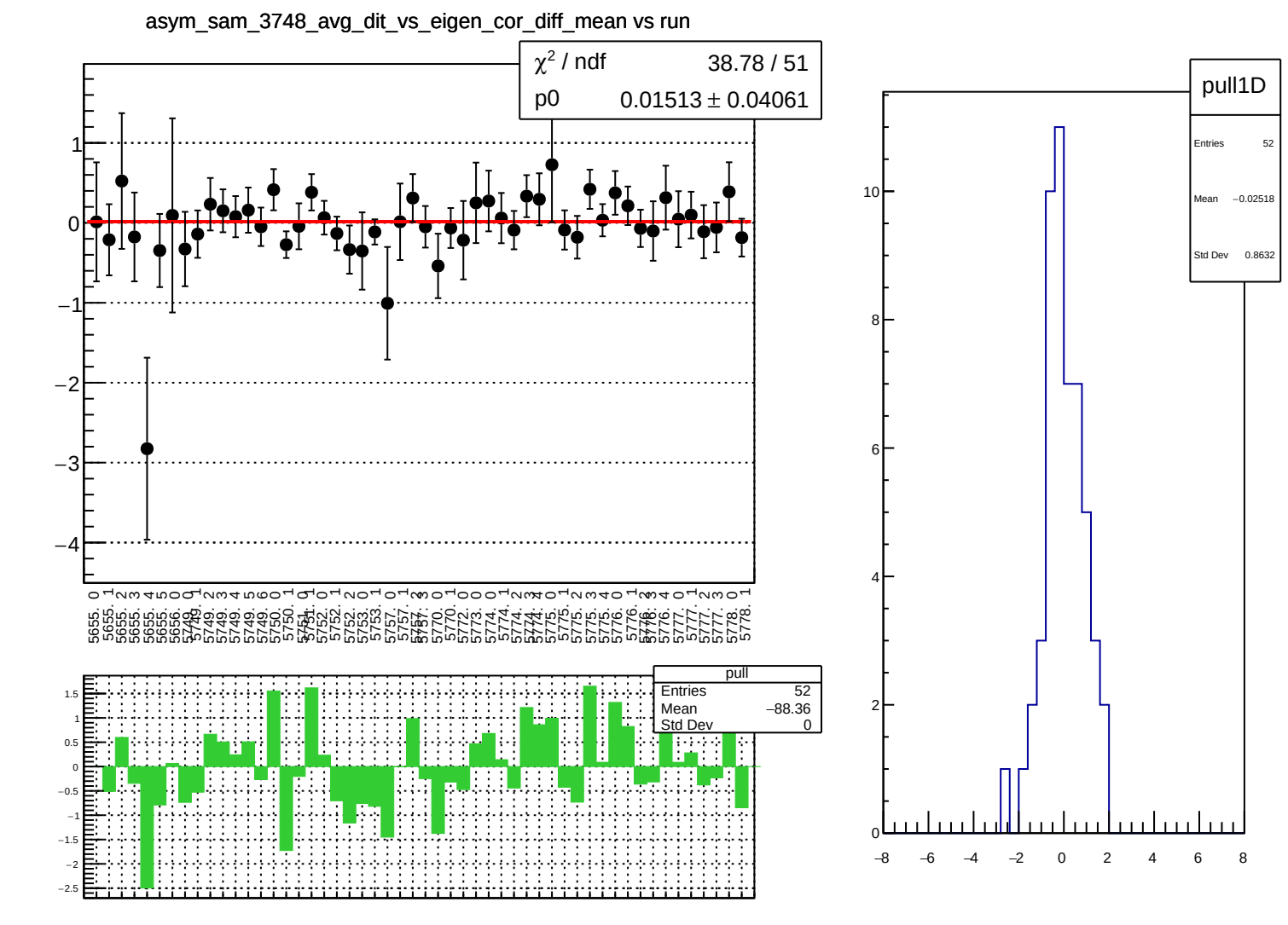

pull1D
Entries 52
Mean 0.1027
Std Dev 1.007

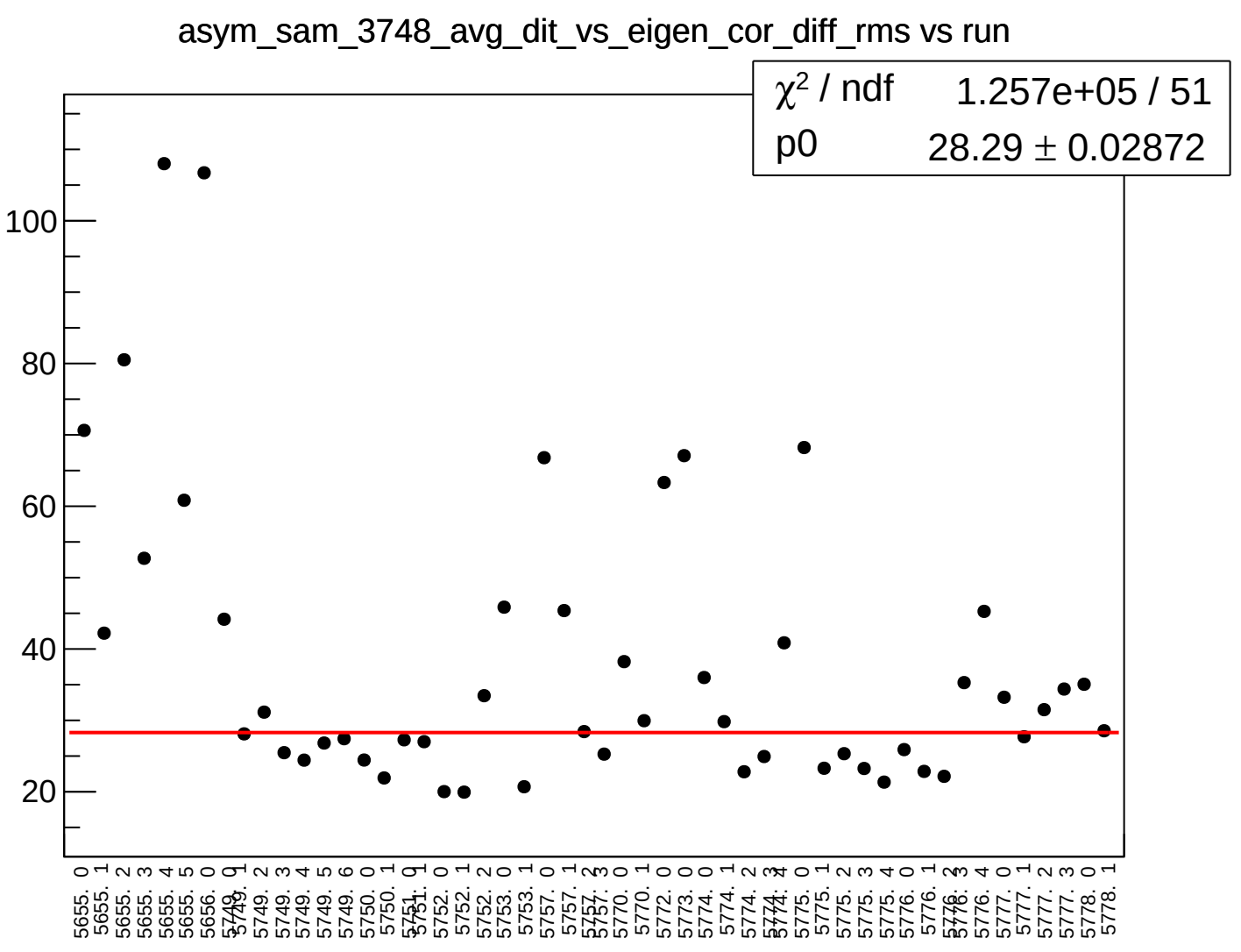

asym_sam_3748_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.44e+05 / 51
p0 5.15e−11 ± 8.676e−14
0.05
0.04
0.03
0.02
0.01
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

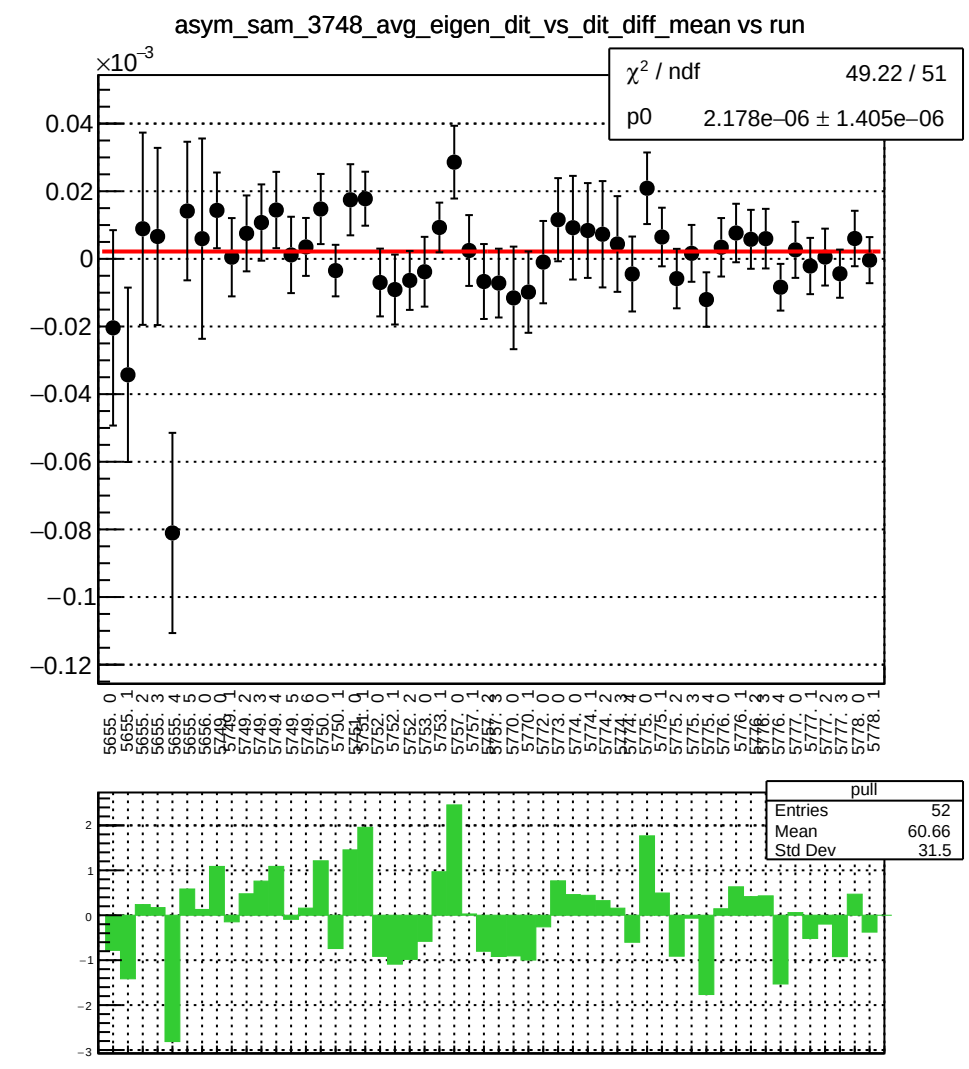

asym_sam_3748_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 38.78 / 51
p0 0.01513 ± 0.04061
pull
Entries 52
Mean −88.36
Std Dev 0

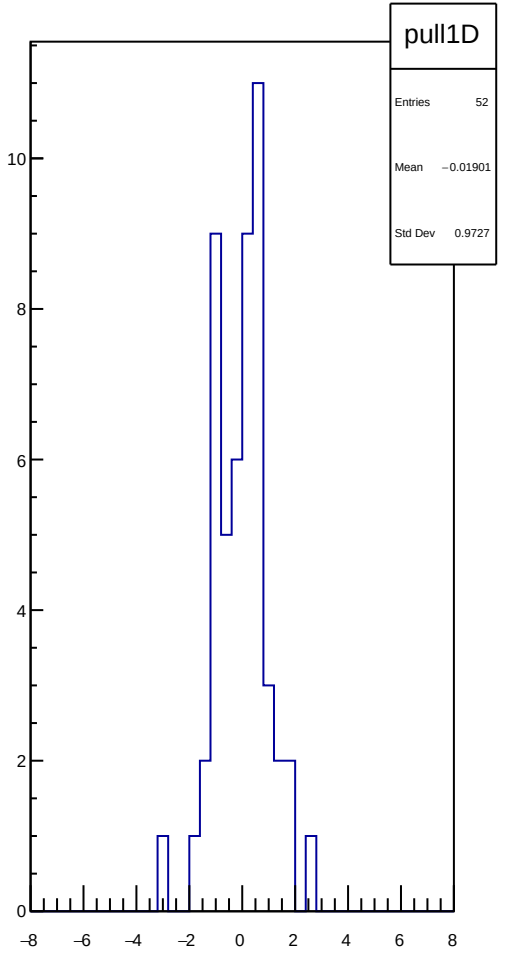

pull1D
Entries 52
Mean −0.02518
Std Dev 0.8632

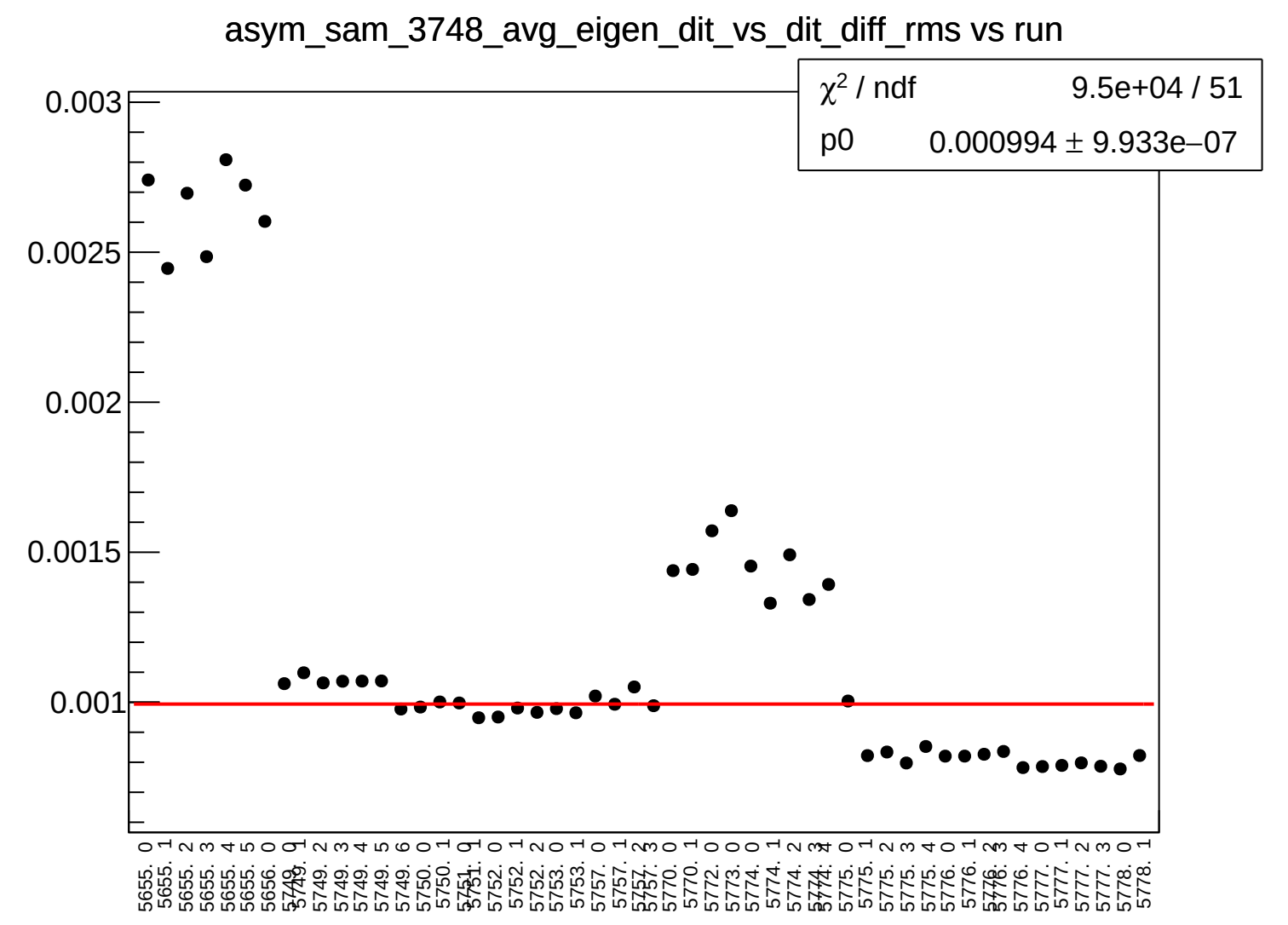

asym_sam_3748_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.257e+05 / 51
p0 28.29 ± 0.02872
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

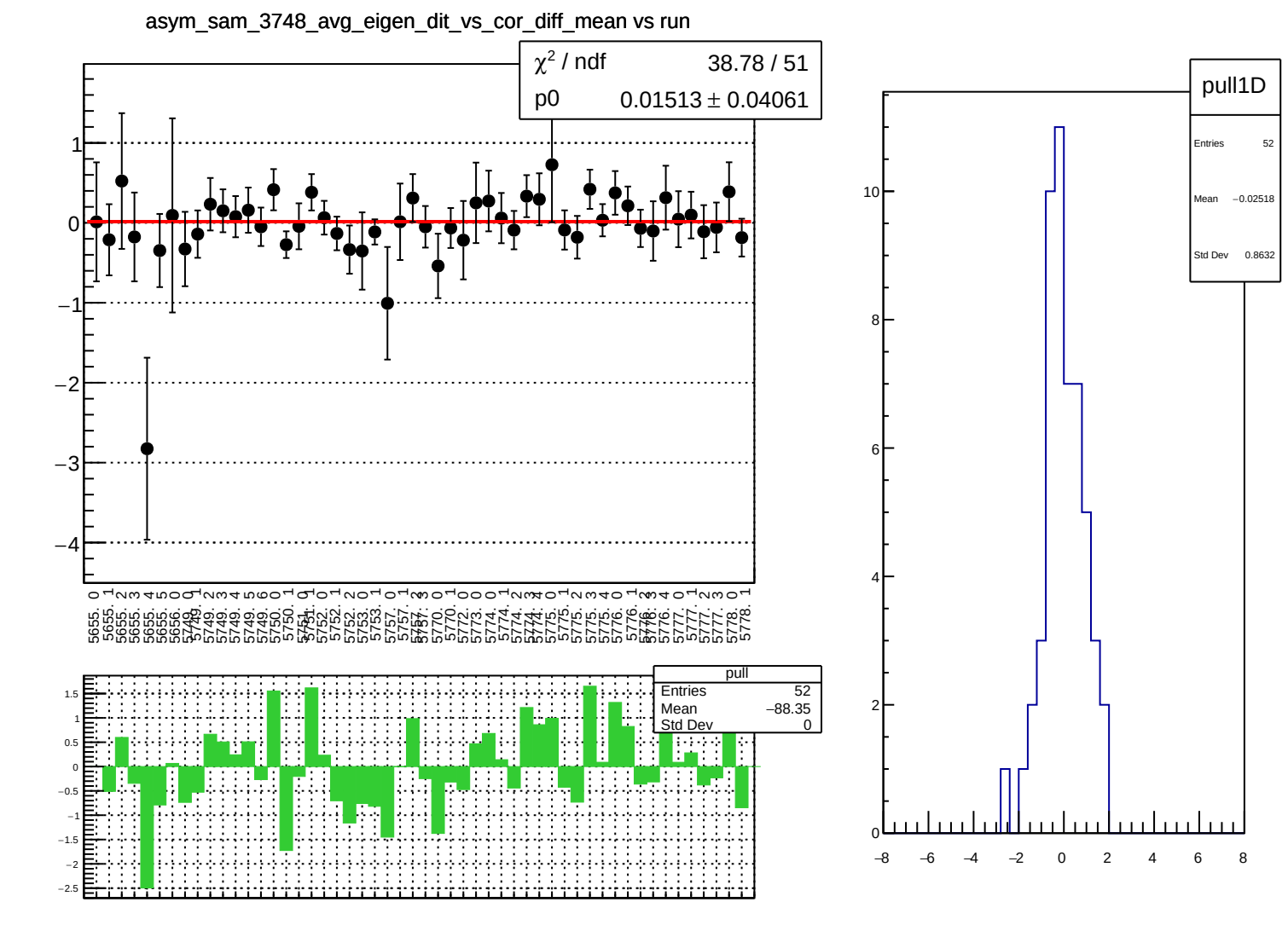

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.78 / 51
p0 0.01513 ± 0.04061
pull
Entries 52
Mean −88.36
Std Dev 0
pull1D
Entries 52
Mean −0.02518
Std Dev 0.8632

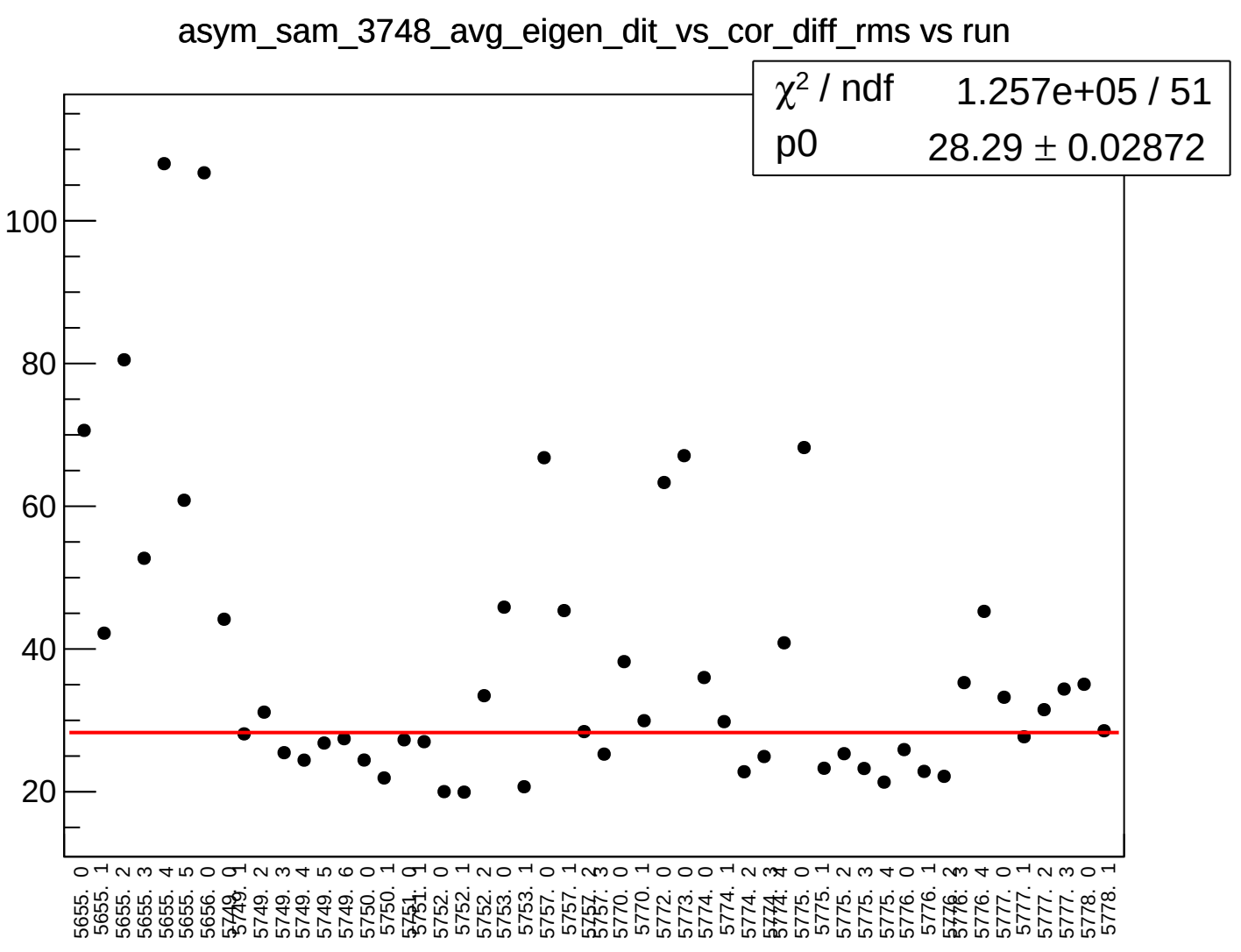

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.257e+05 / 51
p0 28.29 ± 0.02872
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 49.22 / 51
p0 2.178e−06 ± 1.405e−06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull
Entries 52
Mean 60.66
Std Dev 31.5
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.01901
Std Dev 0.9727
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9.5e+04 / 51
p0 0.000994 ± 9.933e−07
0.003
0.0025
0.002
0.0015
0.001
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 38.78 / 51
p0 0.01513 ± 0.04061
pull
Entries 52
Mean −88.35
Std Dev 0
pull1D
Entries 52
Mean −0.02518
Std Dev 0.8632


asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.257e+05 / 51
p0 28.29 ± 0.02872
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
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5753. 1
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5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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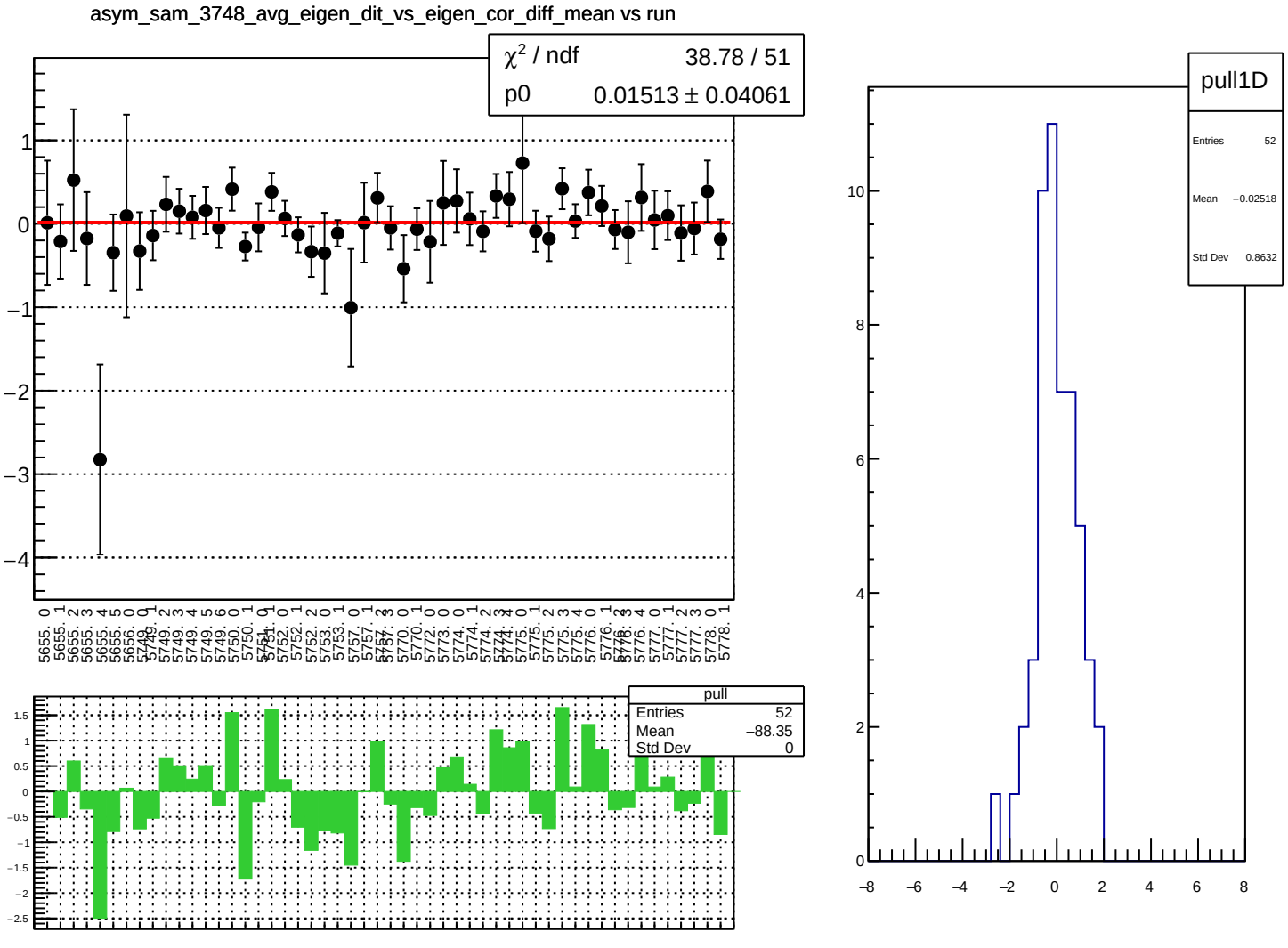
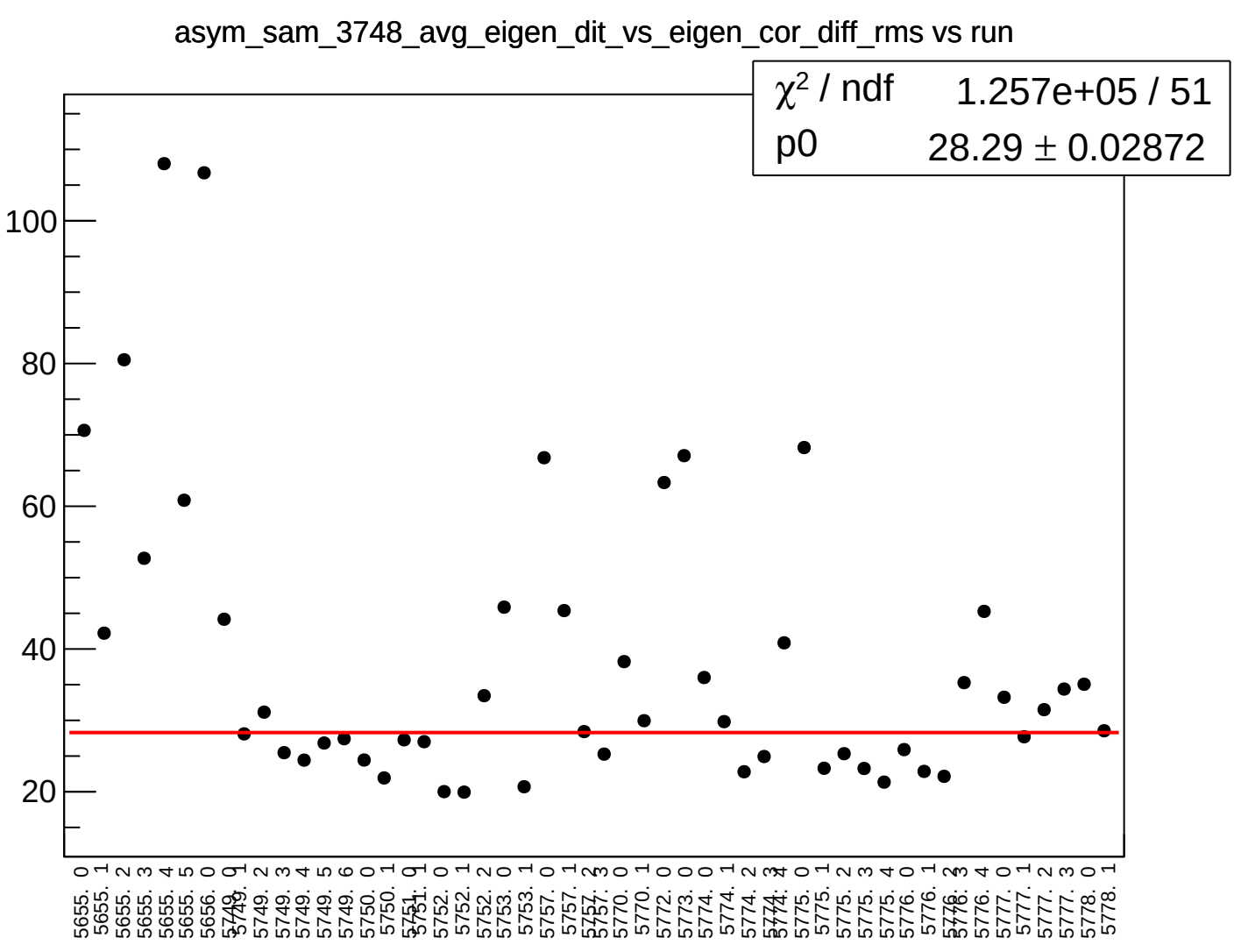
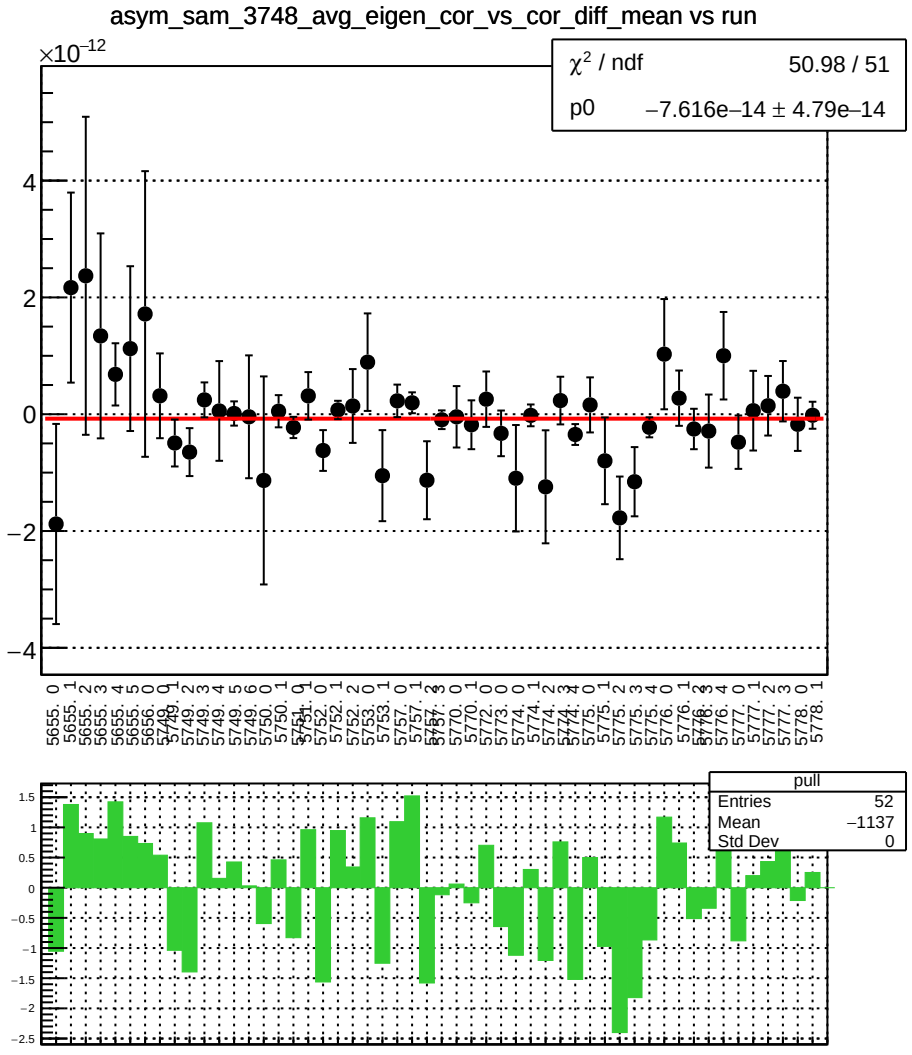
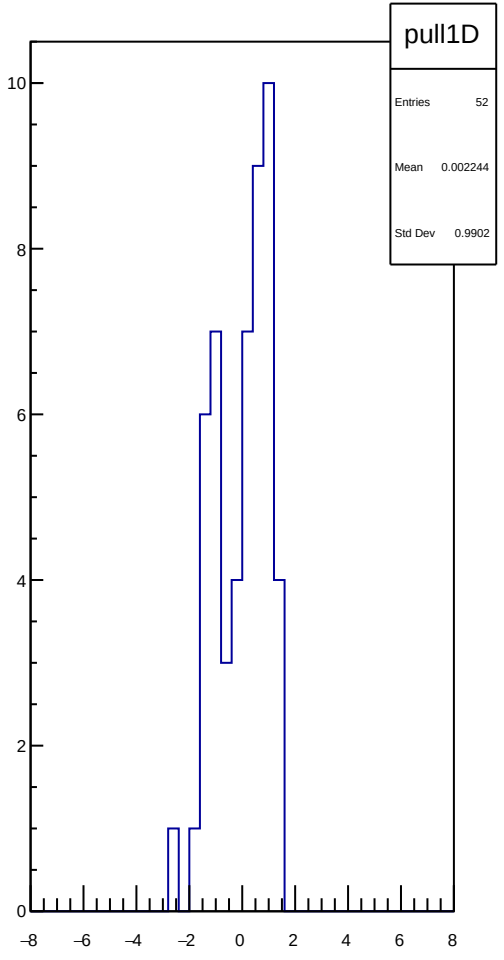
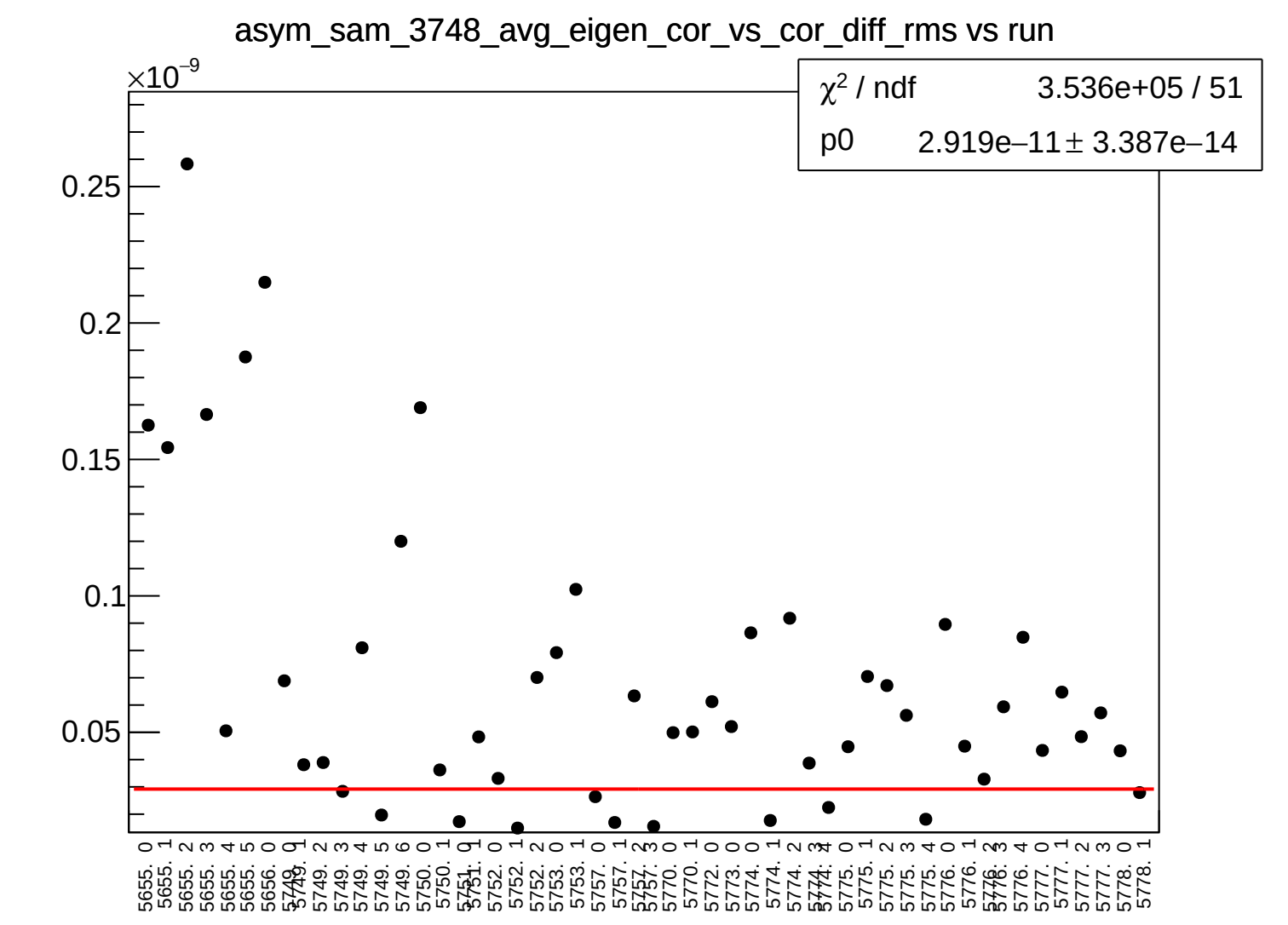
5777. 2
5777. 3
5778. 0
5778. 1

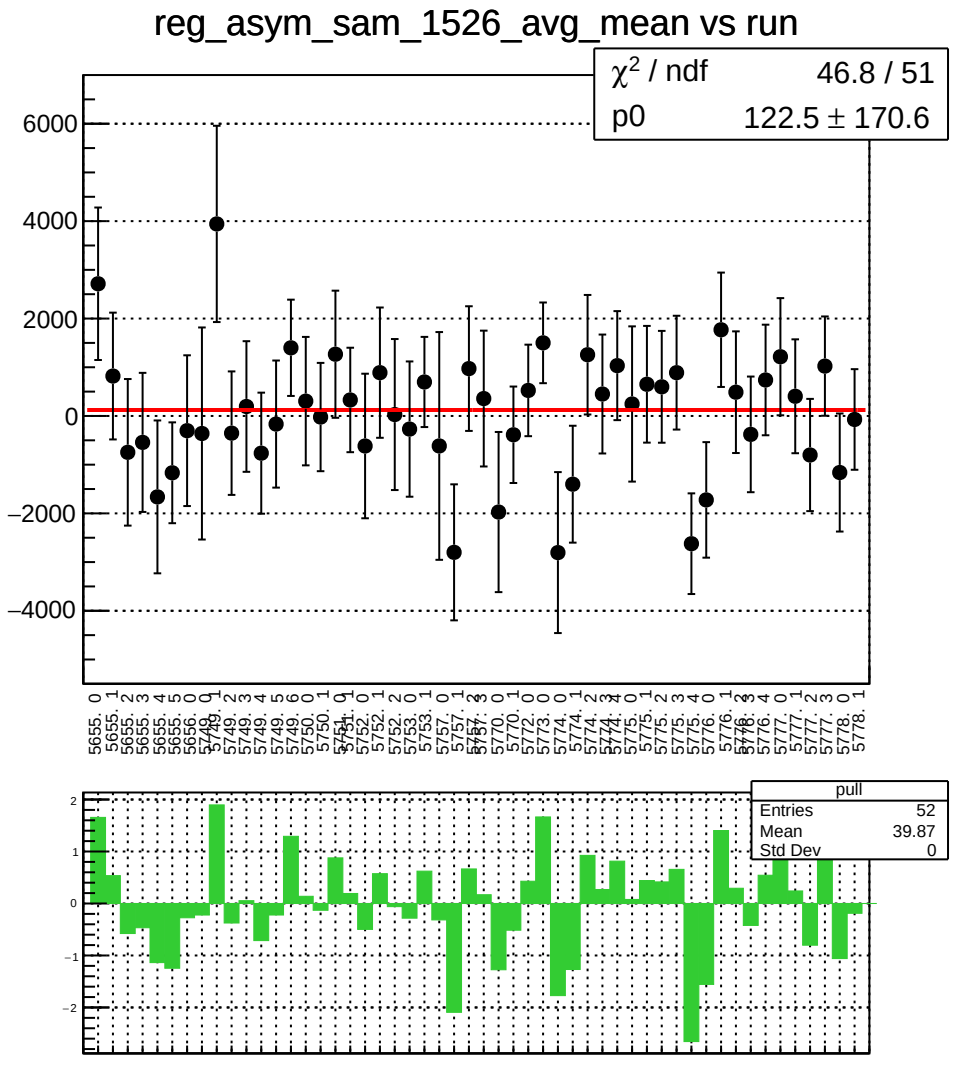

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.78 / 51
p0 0.01513 ± 0.04061
pull
Entries 52
Mean −88.35
Std Dev 0
pull1D
Entries 52
Mean −0.02518
Std Dev 0.8632

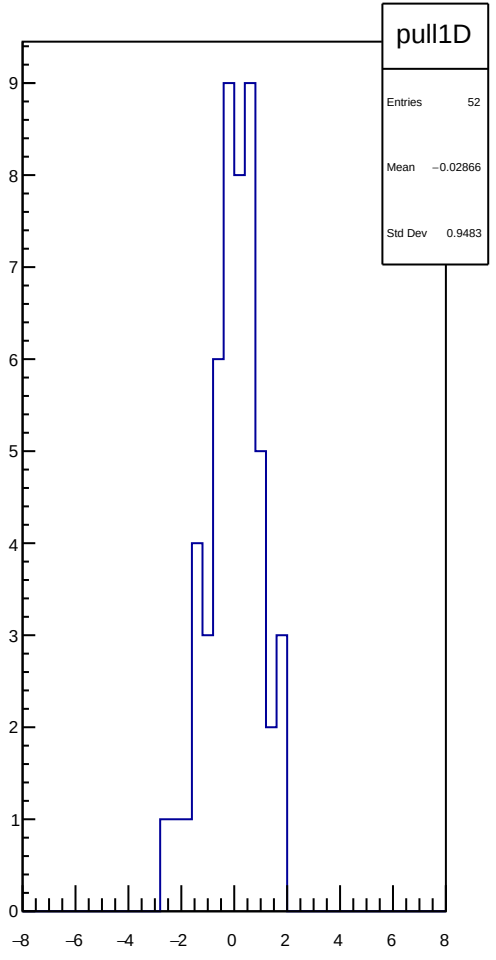

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.257e+05 / 51
p0 28.29 ± 0.02872
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

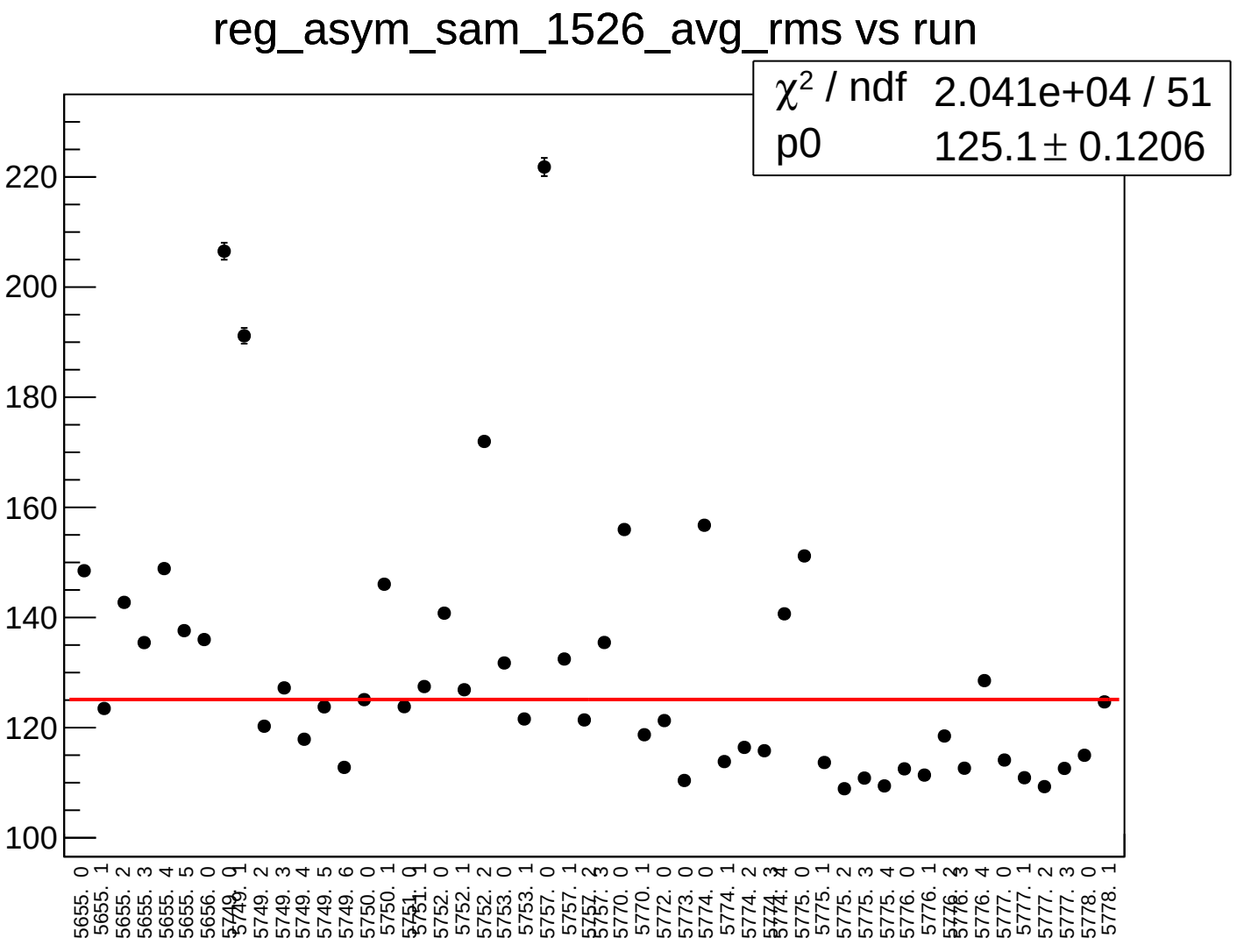

asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.98 / 51
p0 −7.616e−14 ± 4.79e−14
pull
Entries 52
Mean −1137
Std Dev 0


pull1D
Entries 52
Mean 0.002244
Std Dev 0.9902


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.536e+05 / 51
p0 2.919e−11 ± 3.387e−14
0.25
0.2
0.15
0.1
0.05
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


reg_asym_sam_1526_avg_mean vs run
χ² / ndf 46.8 / 51
p0 122.5 ± 170.6
6000
4000
2000
0
−2000
−4000
pull
Entries 52
Mean 39.87
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.02866
Std Dev 0.9483
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_1526_avg_rms vs run
χ² / ndf 2.041e+04 / 51
p0 125.1 ± 0.1206
220
200
180
160
140
120
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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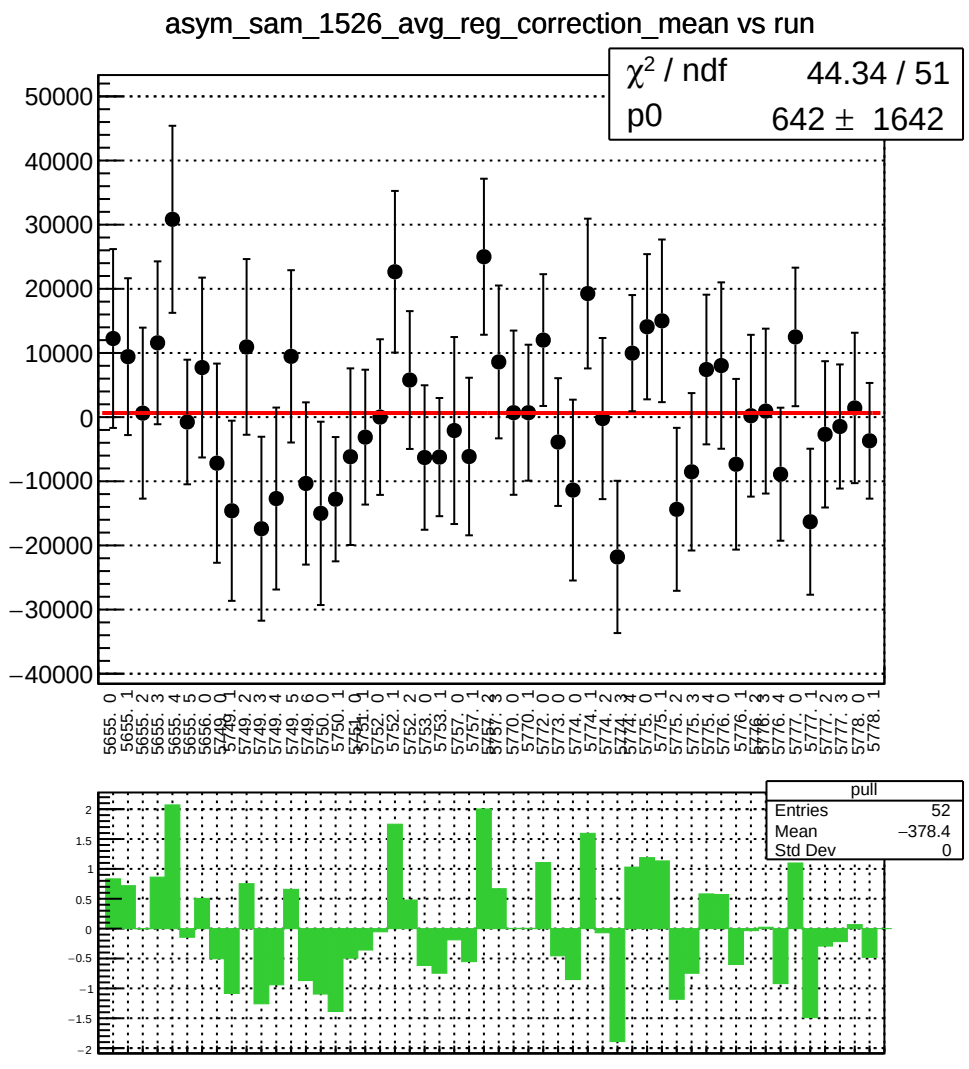
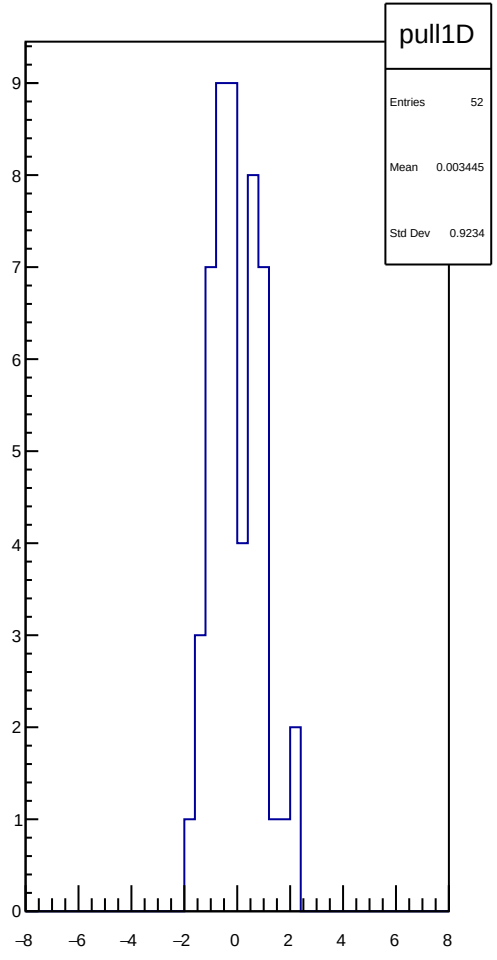
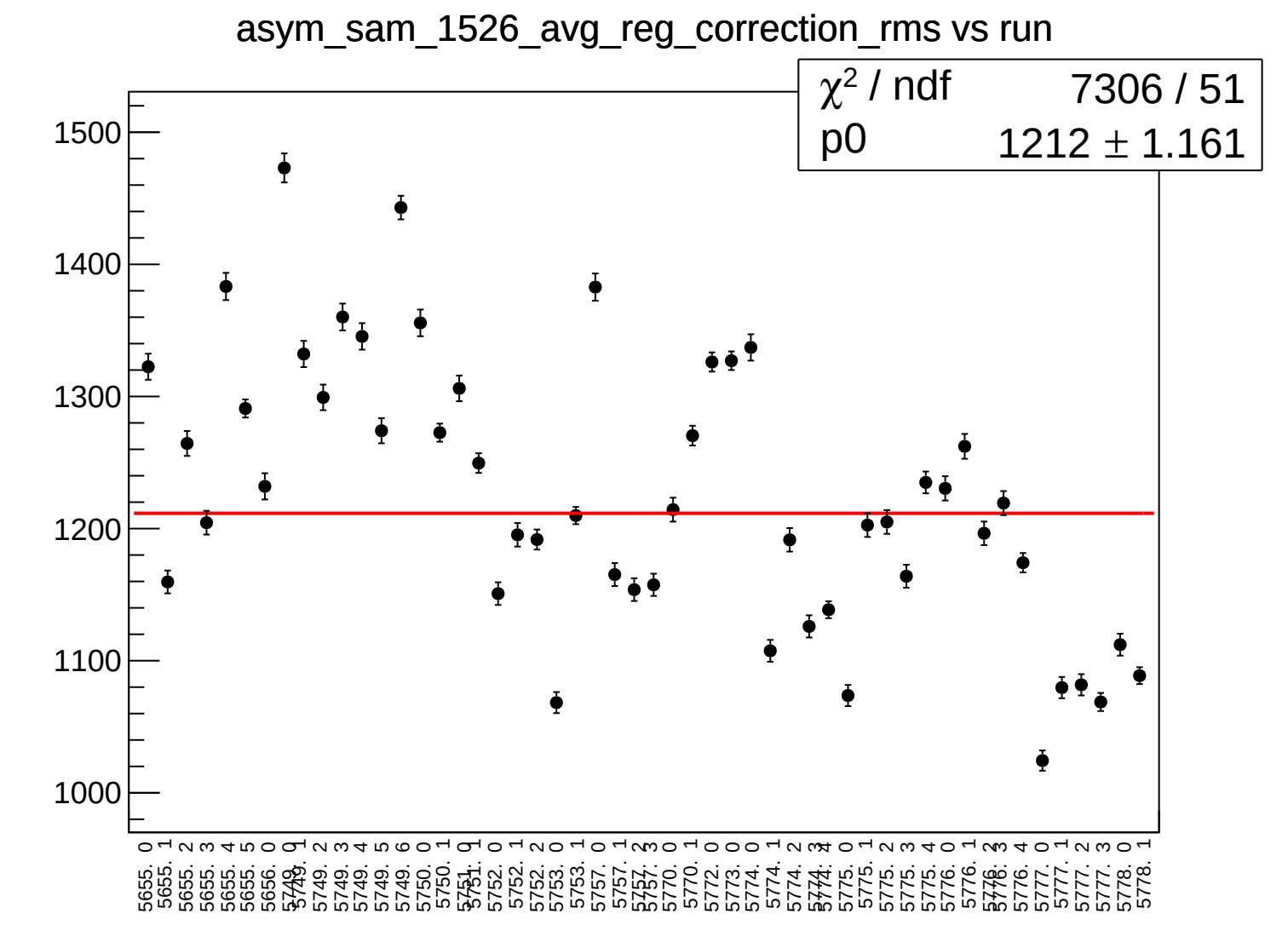
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_1526_avg_reg_correction_mean vs run
χ² / ndf 44.34 / 51
p0 642 ± 1642
pull
Entries 52
Mean −378.4
Std Dev 0


pull1D
Entries 52
Mean 0.003445
Std Dev 0.9234


asym_sam_1526_avg_reg_correction_rms vs run
χ² / ndf 7306 / 51
p0 1212 ± 1.161
1500
1400
1300
1200
1100
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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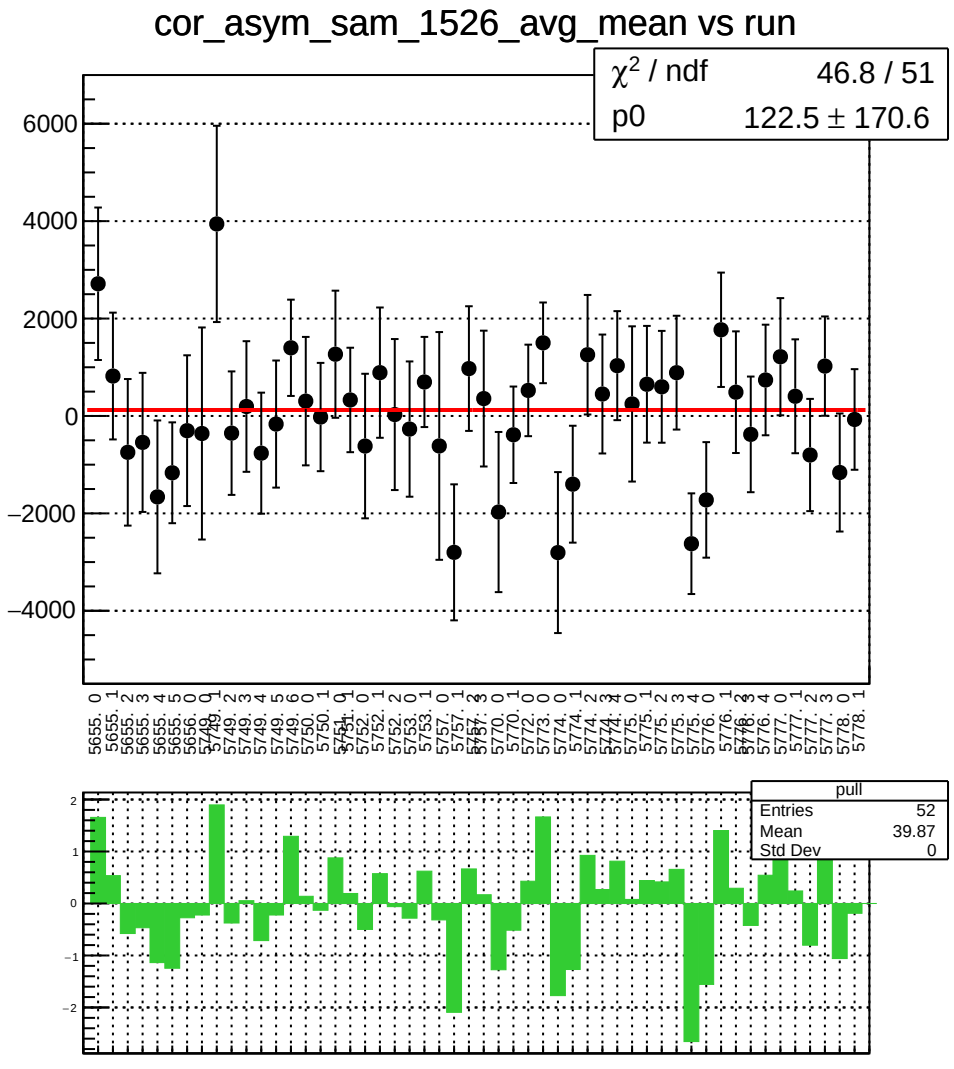
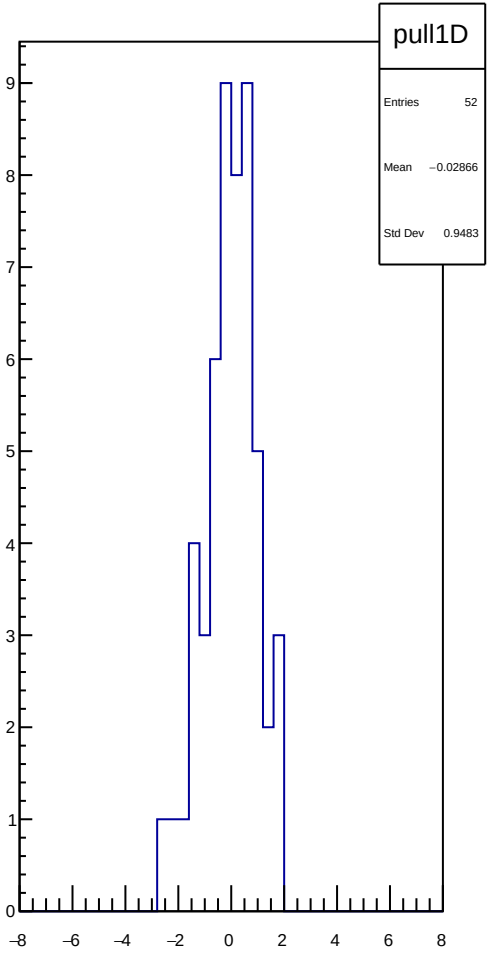
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_sam_1526_avg_mean vs run
χ² / ndf 46.8 / 51
p0 122.5 ± 170.6
6000
4000
2000
0
−2000
−4000
pull
Entries 52
Mean 39.87
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.02866
Std Dev 0.9483
9
8
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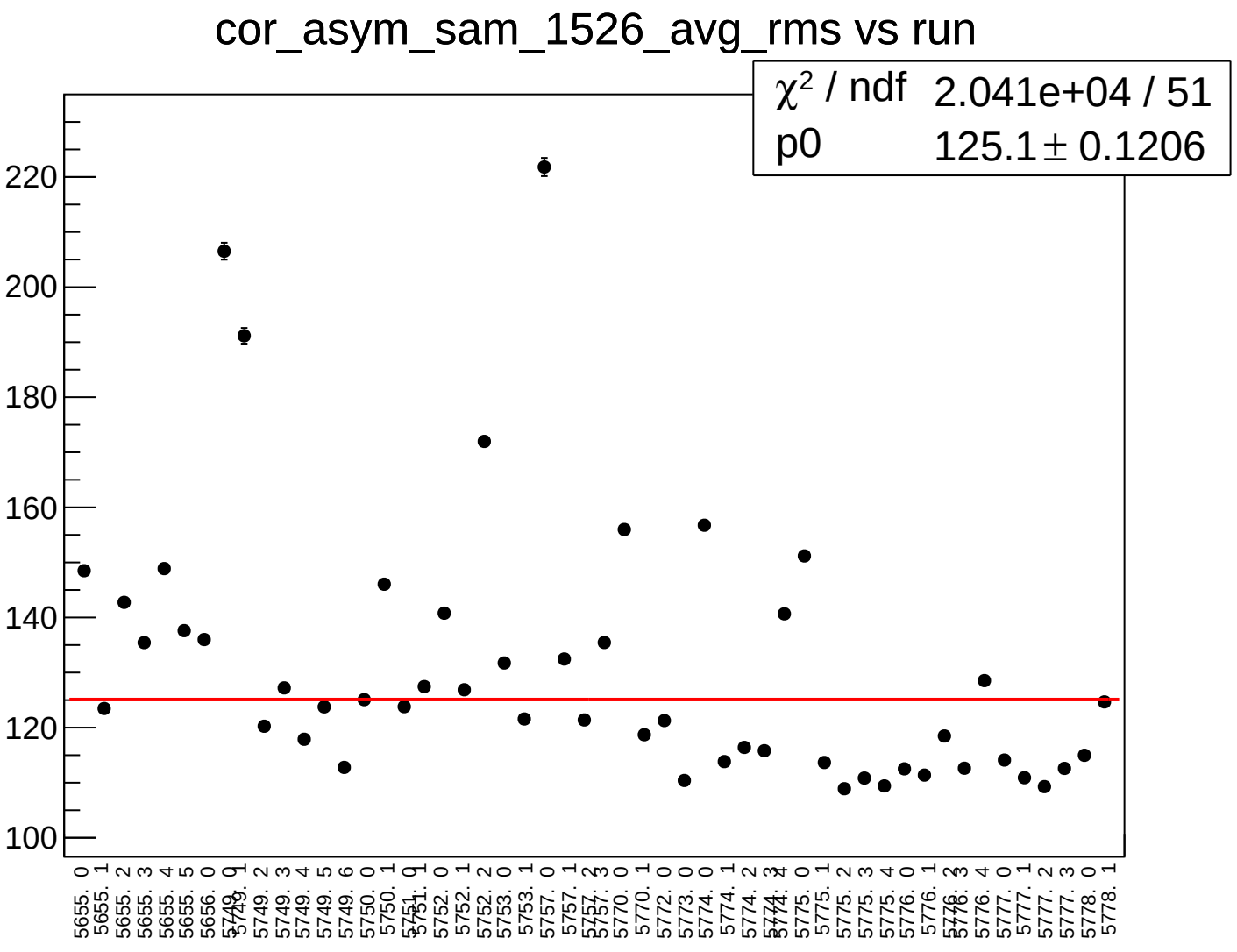
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_1526_avg_rms vs run
χ² / ndf 2.041e+04 / 51
p0 125.1 ± 0.1206
220
200
180
160
140
120
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5750. 1
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5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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5757. 3
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
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5777. 0
5777. 1
5777. 2
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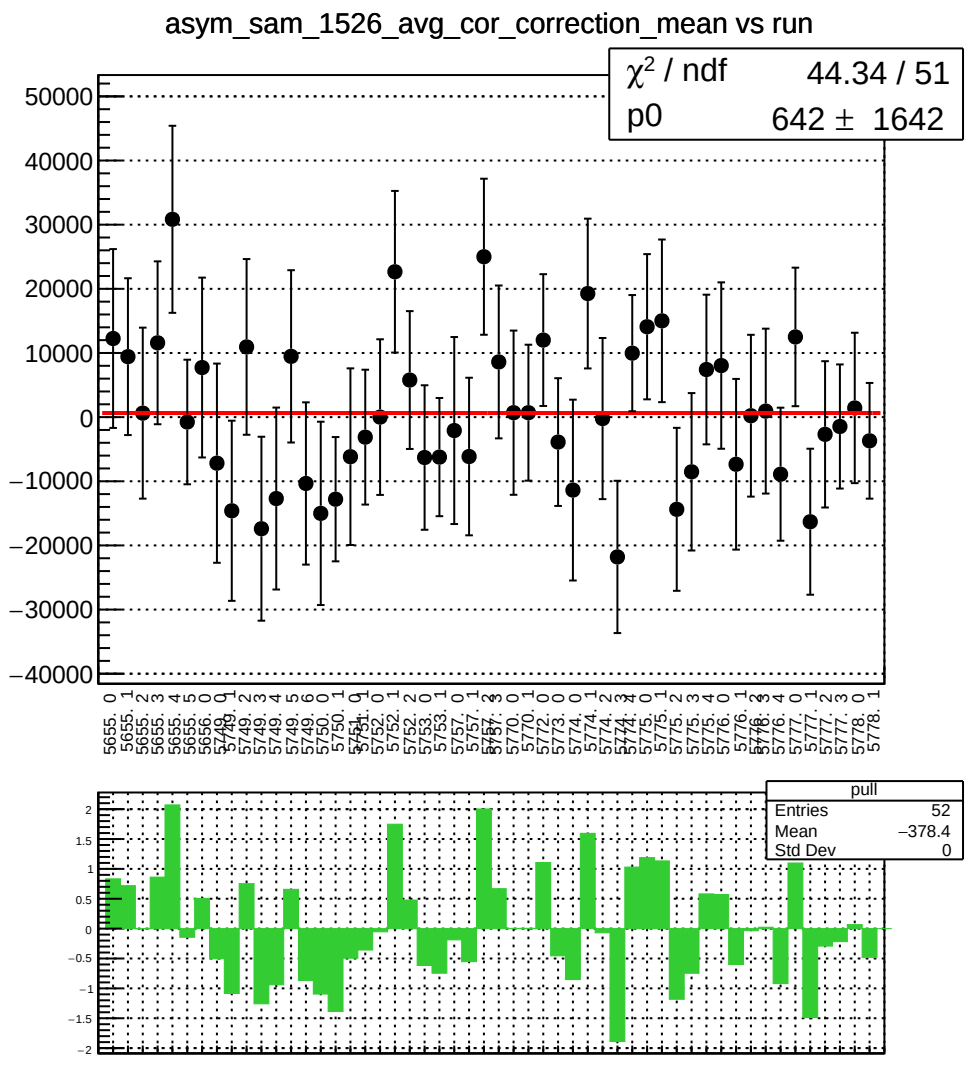
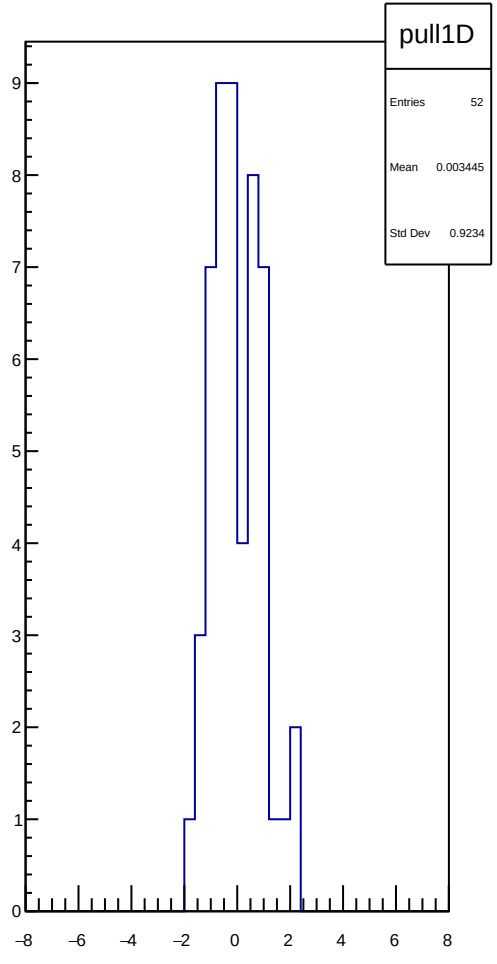
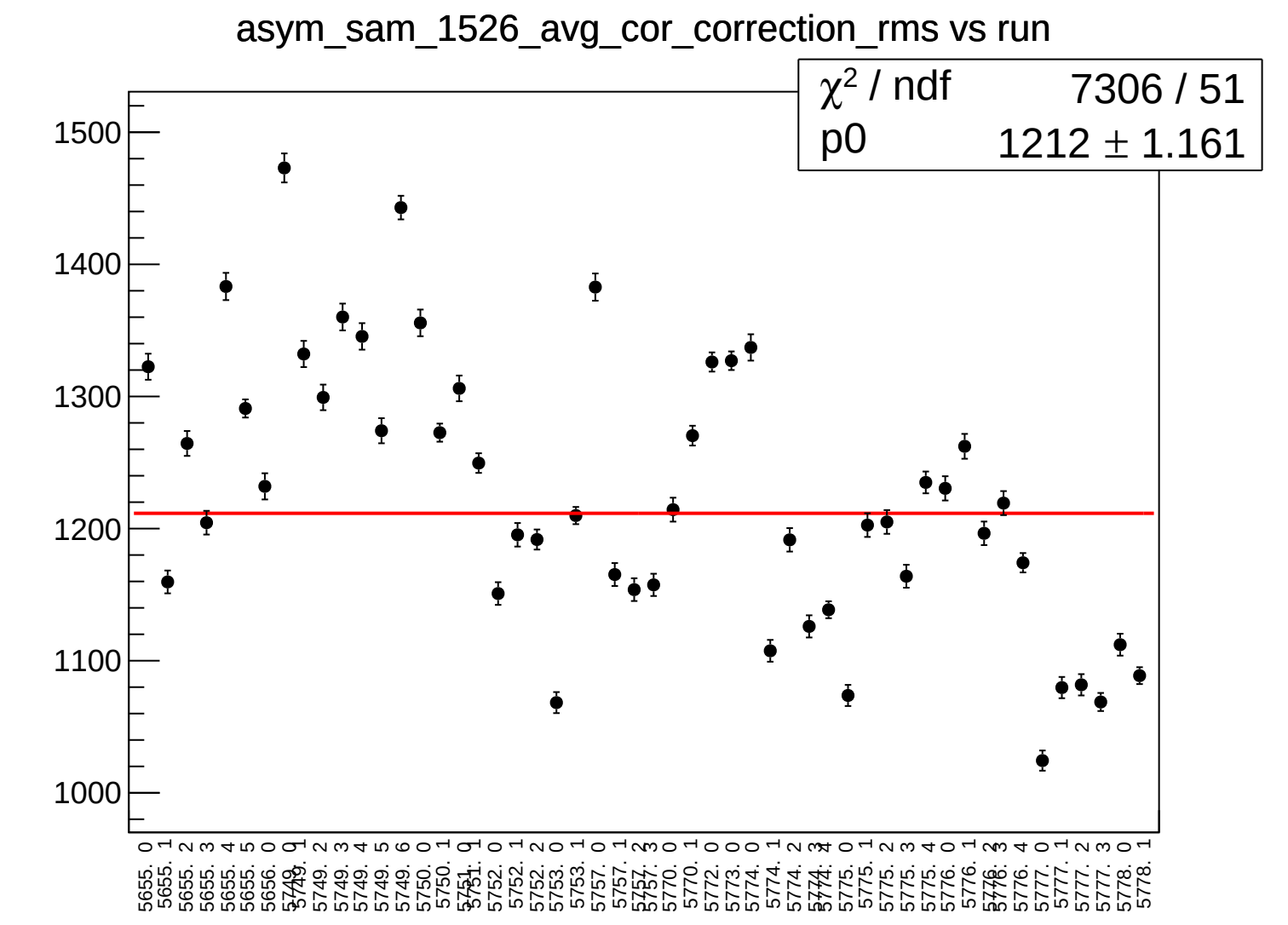
5778. 0
5778. 1


asym_sam_1526_avg_cor_correction_mean vs run
χ² / ndf 44.34 / 51
p0 642 ± 1642
pull
Entries 52
Mean −378.4
Std Dev 0


pull1D
Entries 52
Mean 0.003445
Std Dev 0.9234


asym_sam_1526_avg_cor_correction_rms vs run
χ² / ndf 7306 / 51
p0 1212 ± 1.161
1500
1400
1300
1200
1100
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5774. 4
5775. 0
5775. 1
5775. 2
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5776. 0
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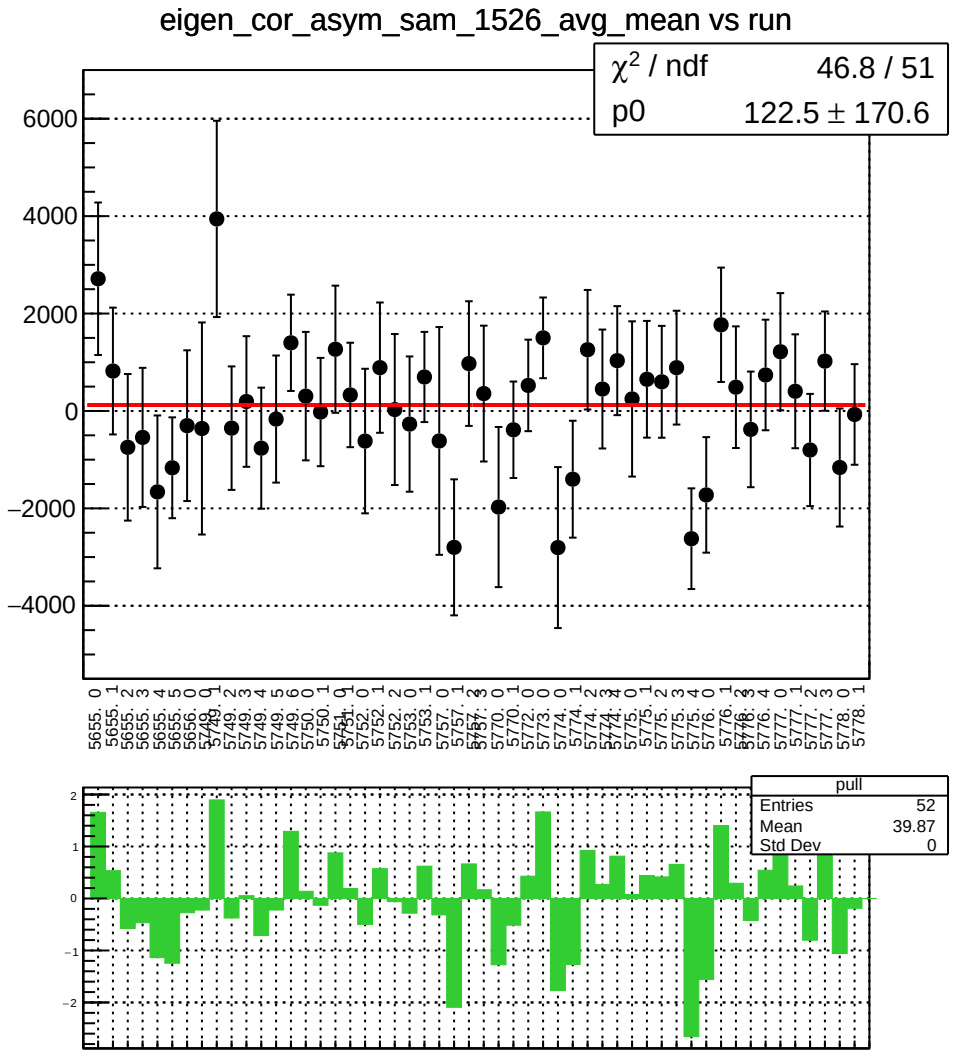
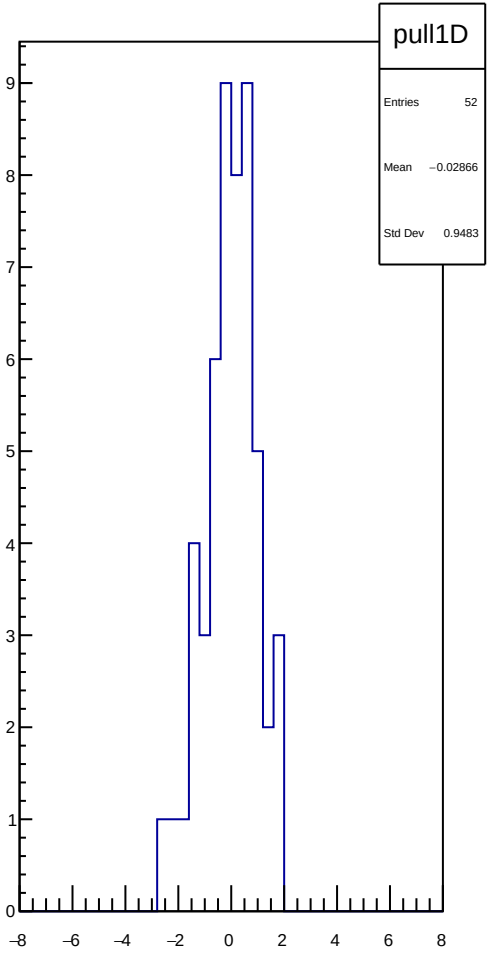

eigen_cor_asym_sam_1526_avg_mean vs run
χ² / ndf 46.8 / 51
p0 122.5 ± 170.6
6000
4000
2000
0
−2000
−4000
pull
Entries 52
Mean 39.87
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.02866
Std Dev 0.9483
9
8
7
6
5
4
3
2
1
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−8
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−4
−2
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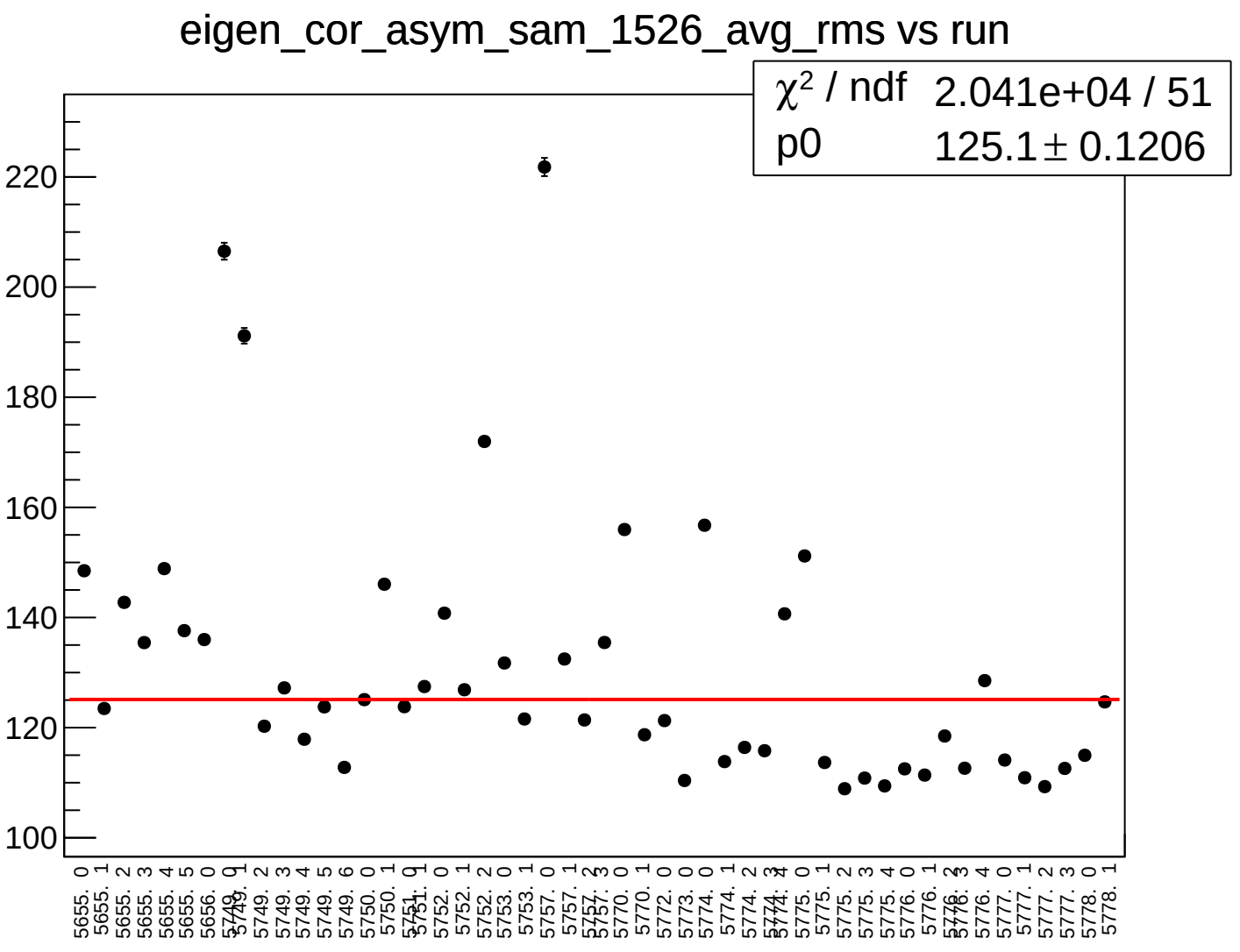
2
4
6
8


eigen_cor_asym_sam_1526_avg_rms vs run
χ² / ndf 2.041e+04 / 51
p0 125.1 ± 0.1206
220
200
180
160
140
120
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
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5749. 1
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5749. 5
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5752. 1
5752. 2
5753. 0
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5757. 2
5757. 3
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5774. 1
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5774. 4
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5775. 3
5775. 4
5776. 0
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5777. 2
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5778. 0
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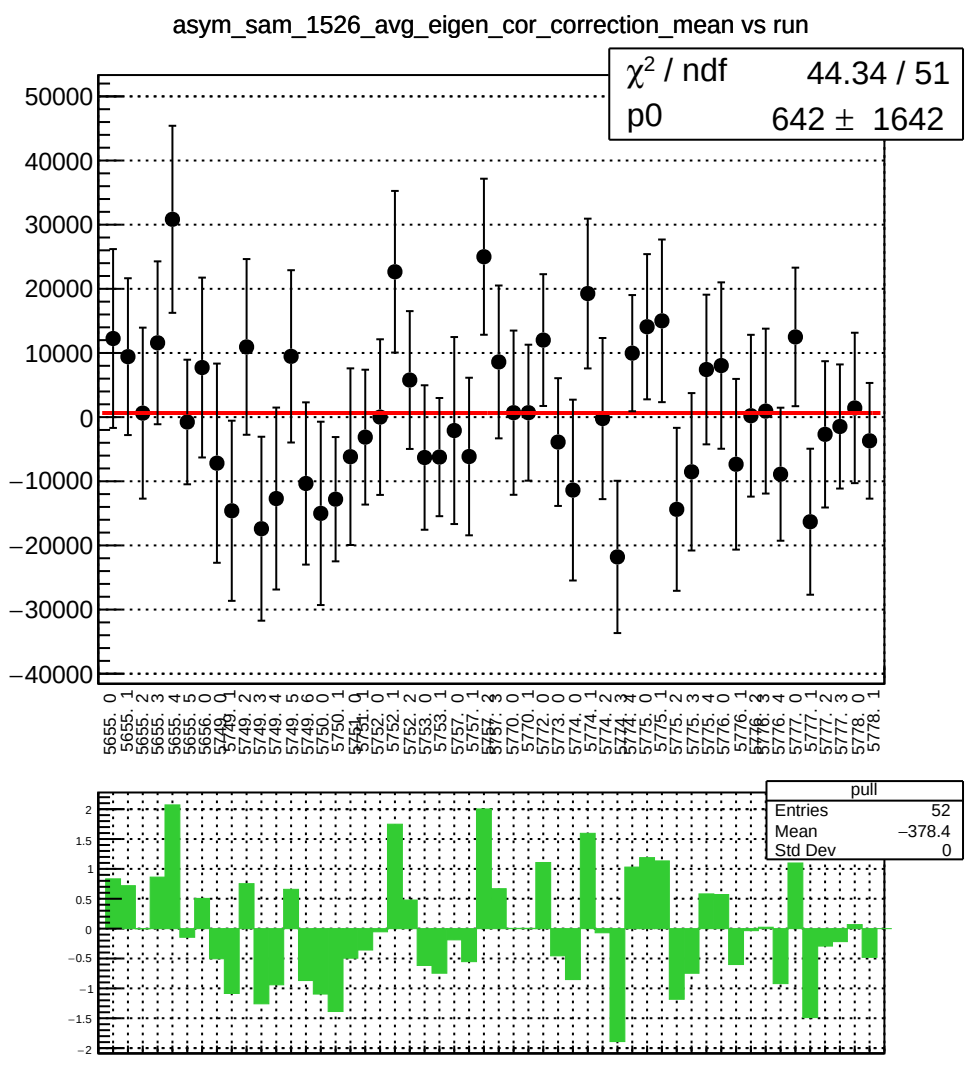
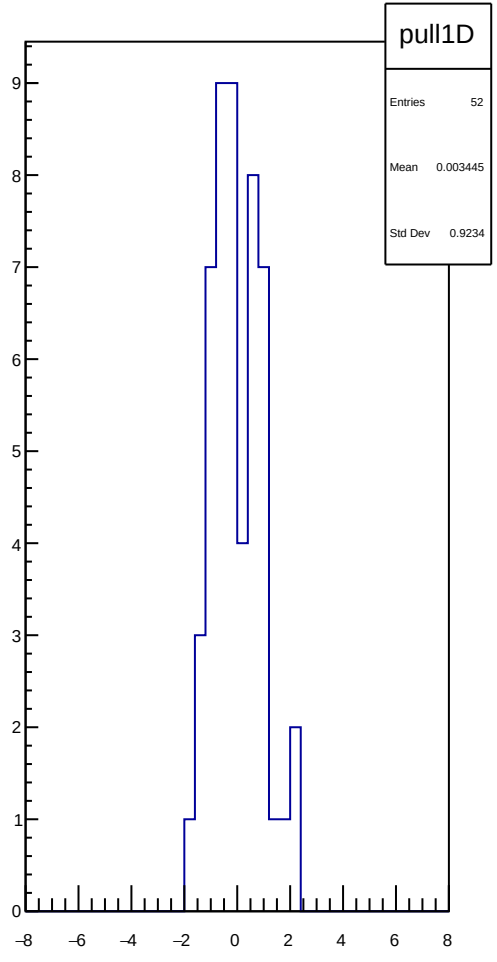
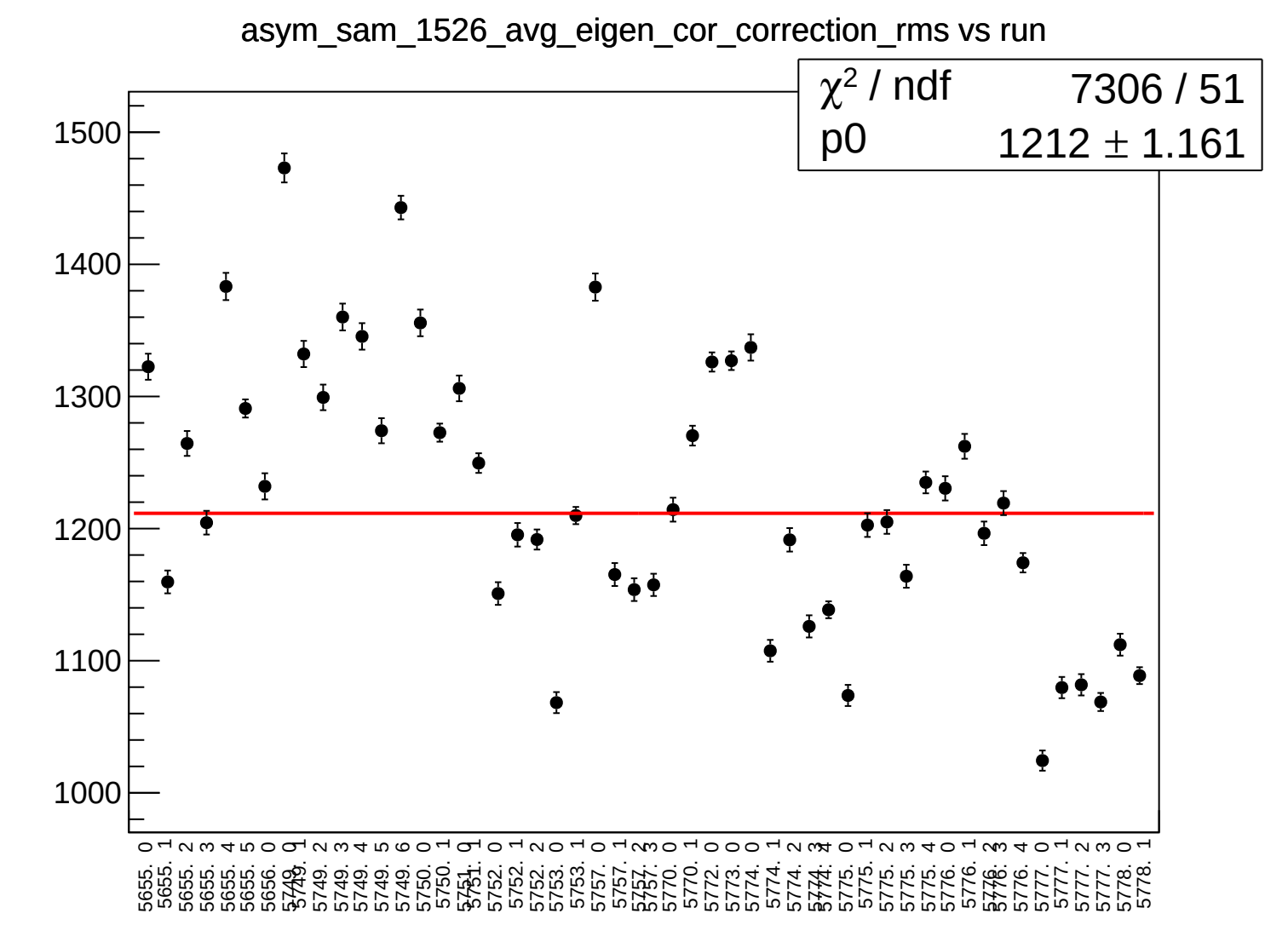

asym_sam_1526_avg_eigen_cor_correction_mean vs run
χ² / ndf 44.34 / 51
p0 642 ± 1642
pull
Entries 52
Mean −378.4
Std Dev 0


pull1D
Entries 52
Mean 0.003445
Std Dev 0.9234


asym_sam_1526_avg_eigen_cor_correction_rms vs run
χ² / ndf 7306 / 51
p0 1212 ± 1.161
1500
1400
1300
1200
1100
1000
5655. 0
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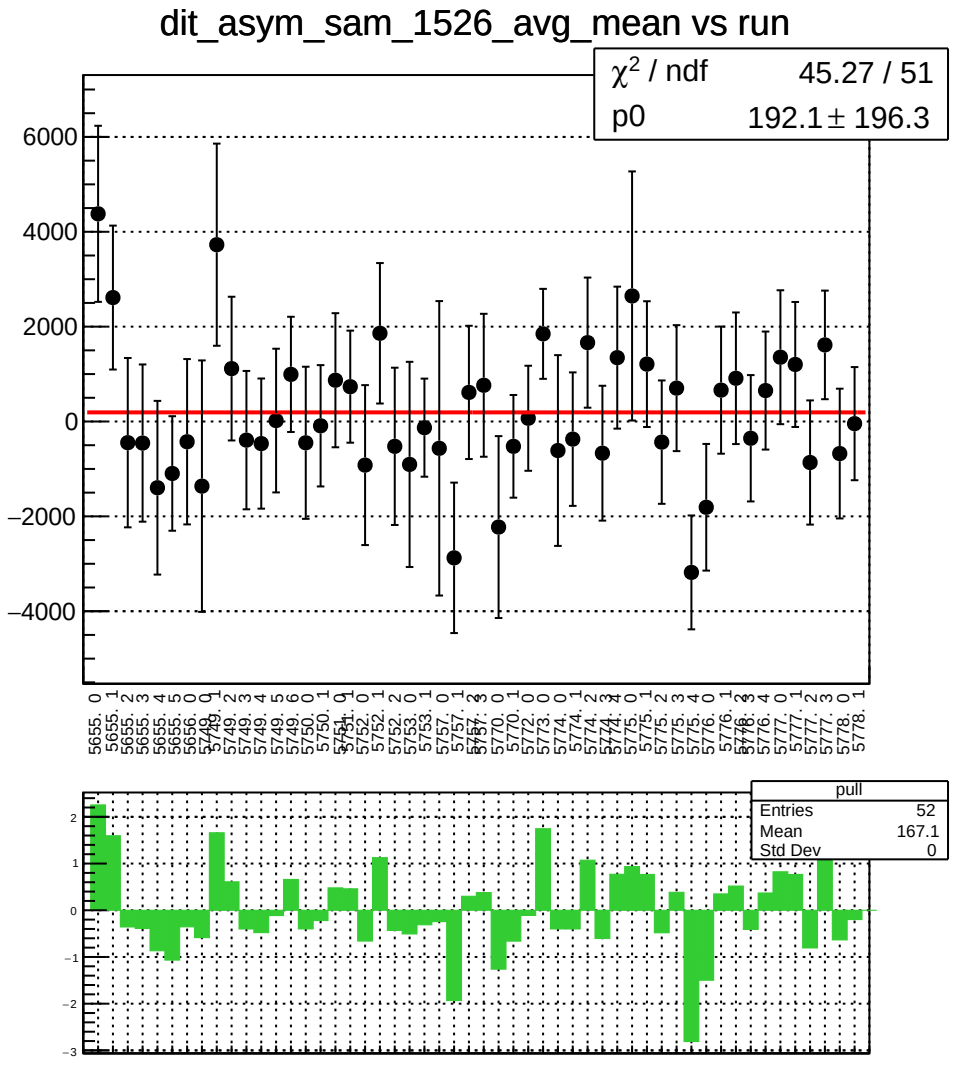
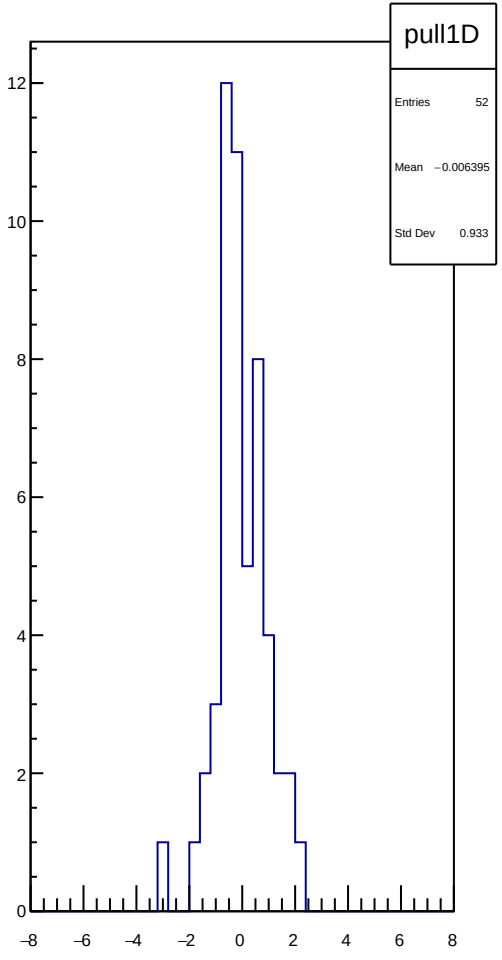
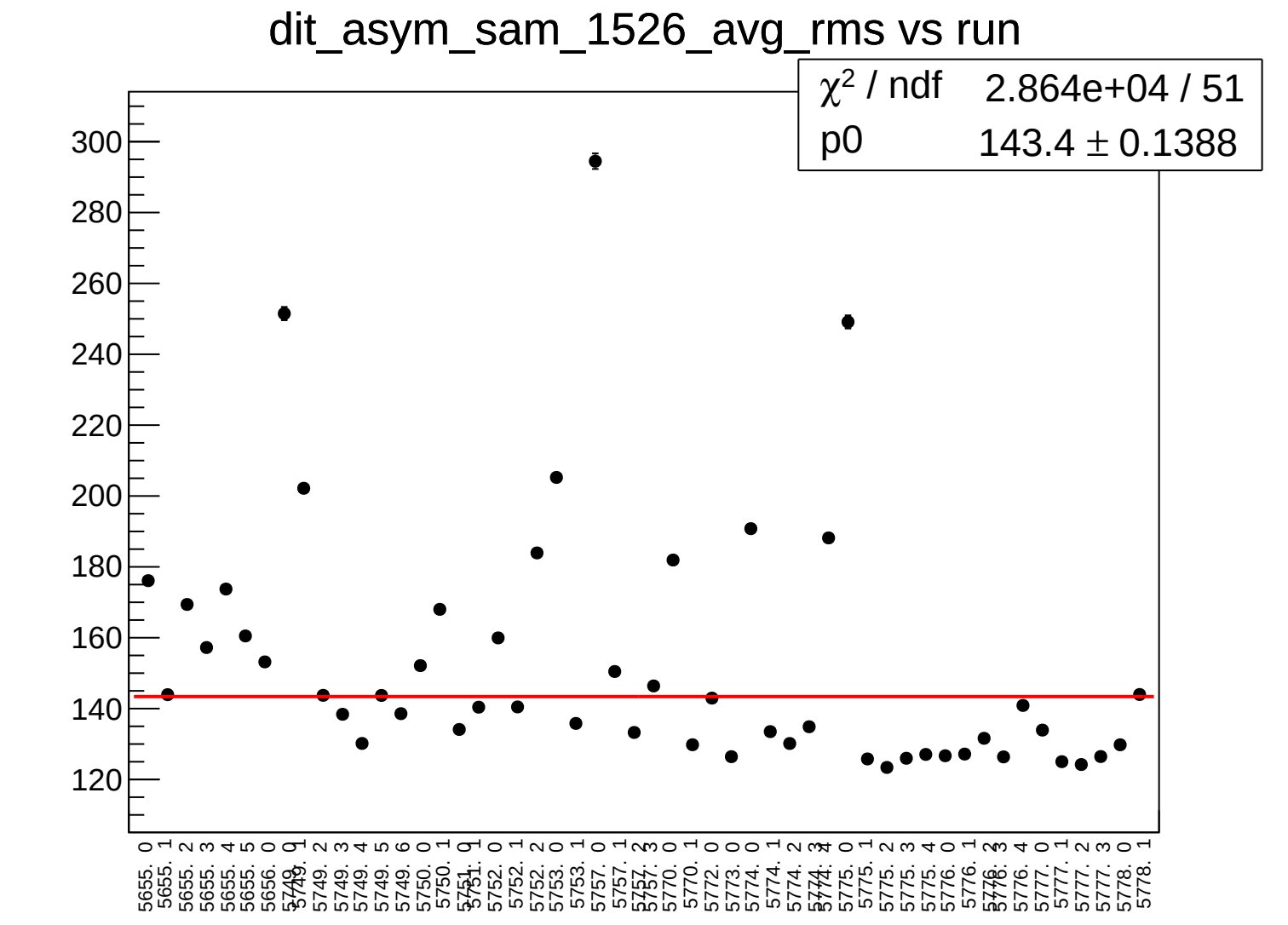

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 45.27 / 51
p0 192.1 ± 196.3
6000
4000
2000
0
−2000
−4000
pull
Entries 52
Mean 167.1
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 52
Mean −0.006395
Std Dev 0.933
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_1526_avg_rms vs run
χ² / ndf 2.864e+04 / 51
p0 143.4 ± 0.1388
300
280
260
240
220
200
180
160
140
120
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5749. 6
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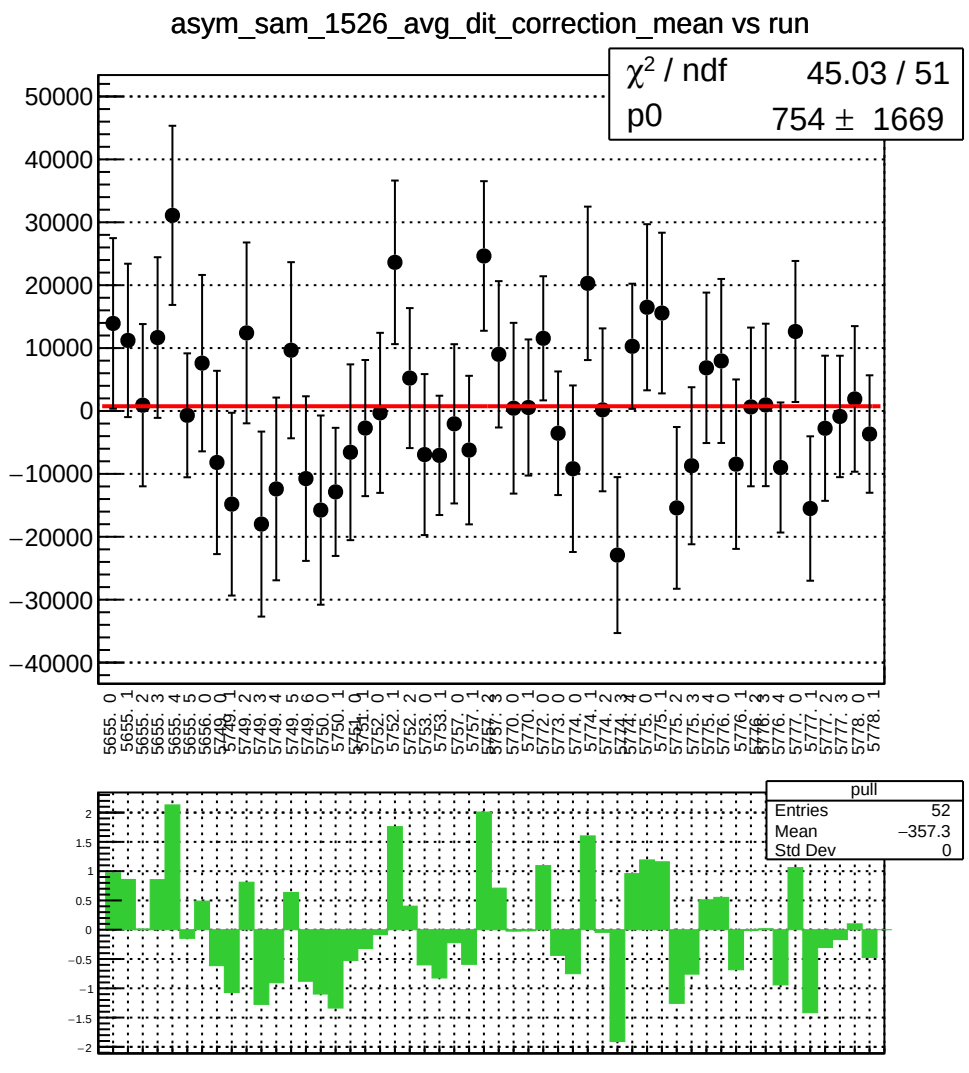
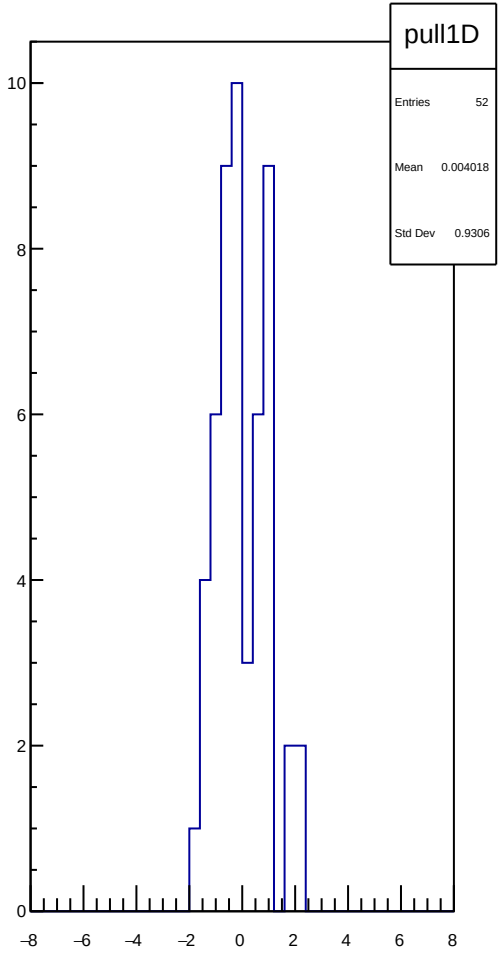
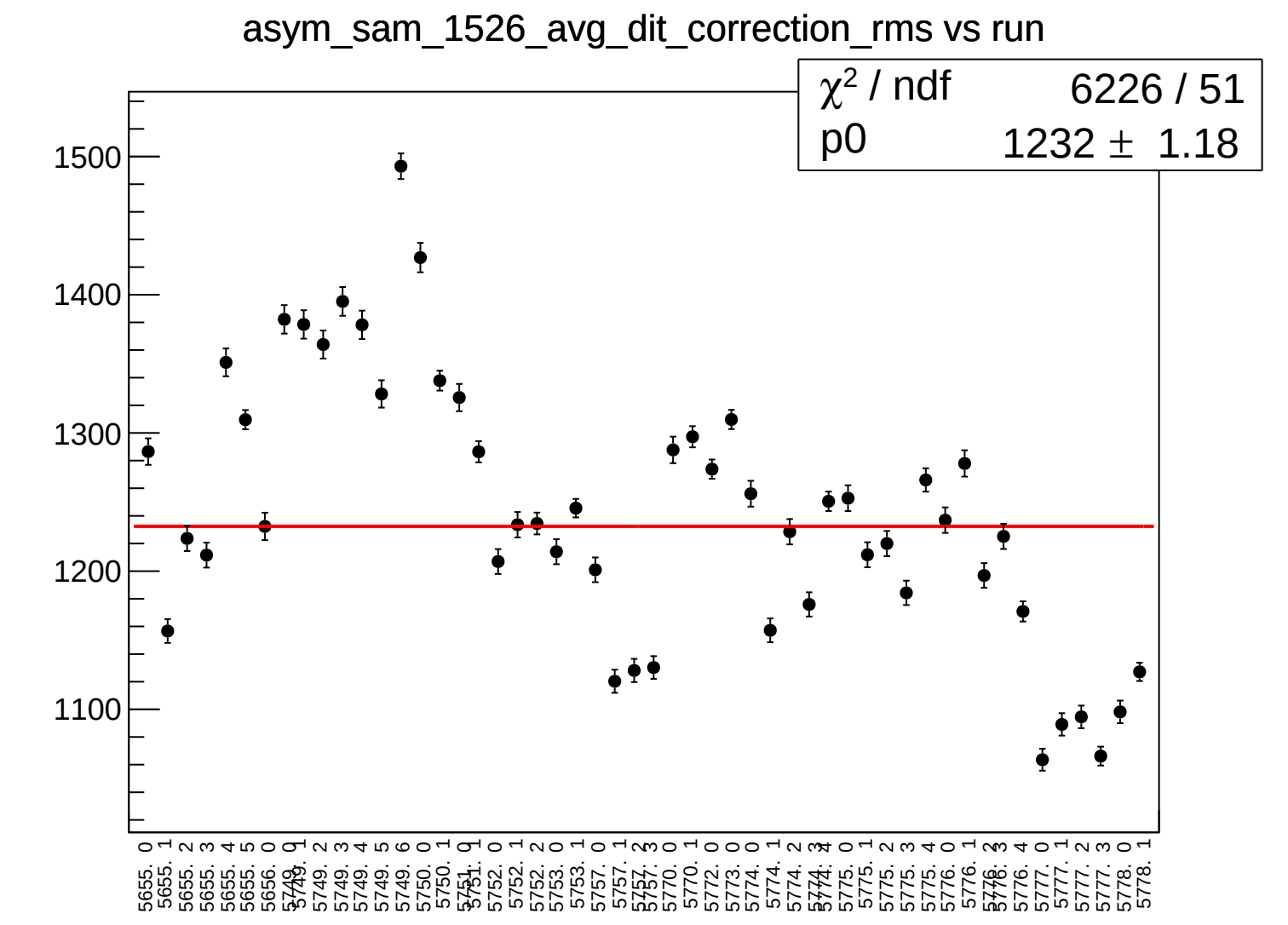

asym_sam_1526_avg_dit_correction_mean vs run
χ² / ndf 45.03 / 51
p0 754 ± 1669
pull
Entries 52
Mean −357.3
Std Dev 0


pull1D
Entries 52
Mean 0.004018
Std Dev 0.9306


asym_sam_1526_avg_dit_correction_rms vs run
χ² / ndf 6226 / 51
p0 1232 ± 1.18
1500
1400
1300
1200
1100
5655. 0
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5655. 2
5655. 3
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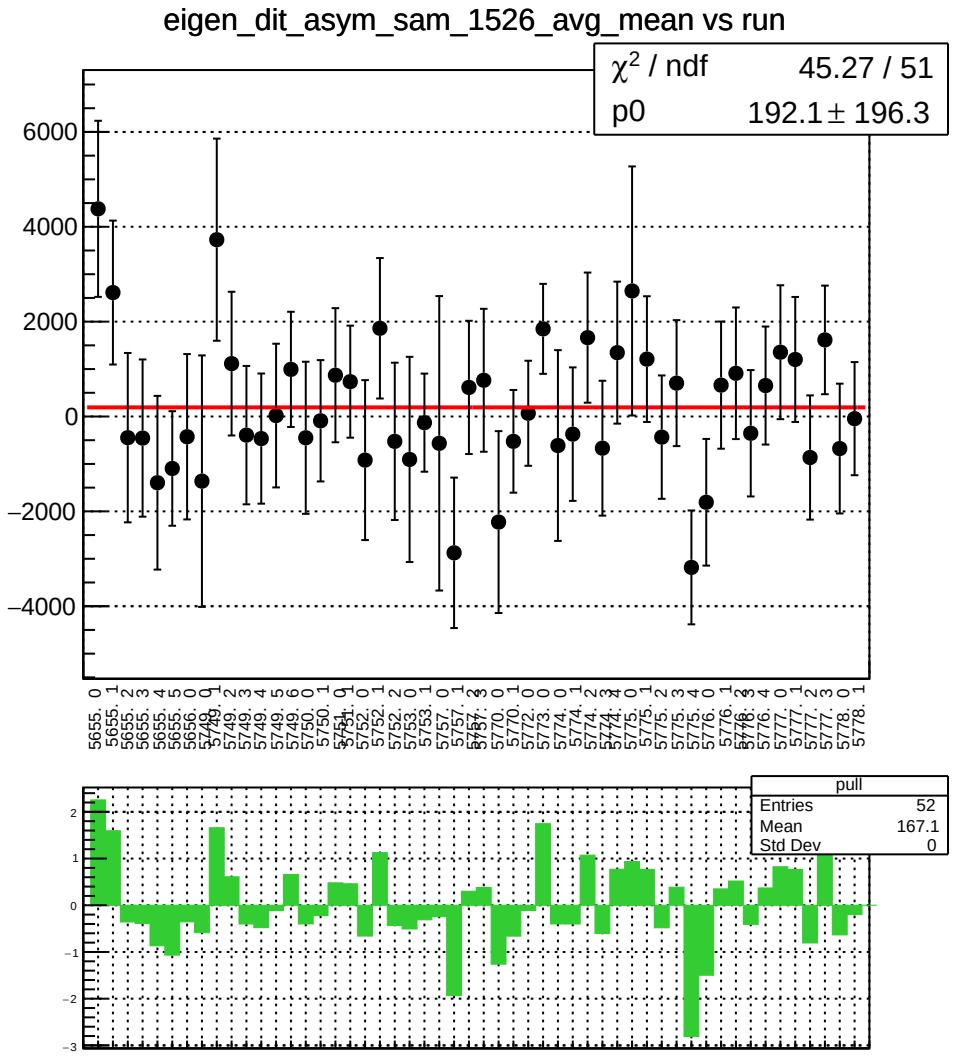
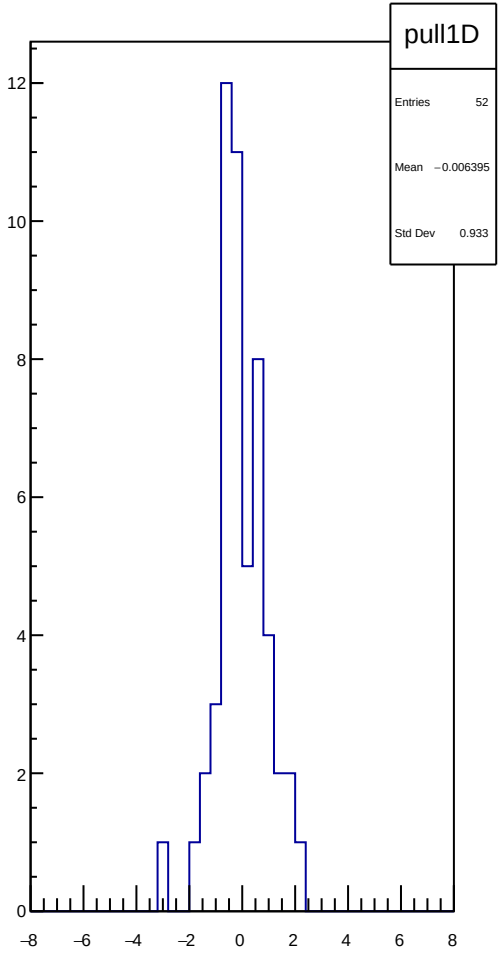
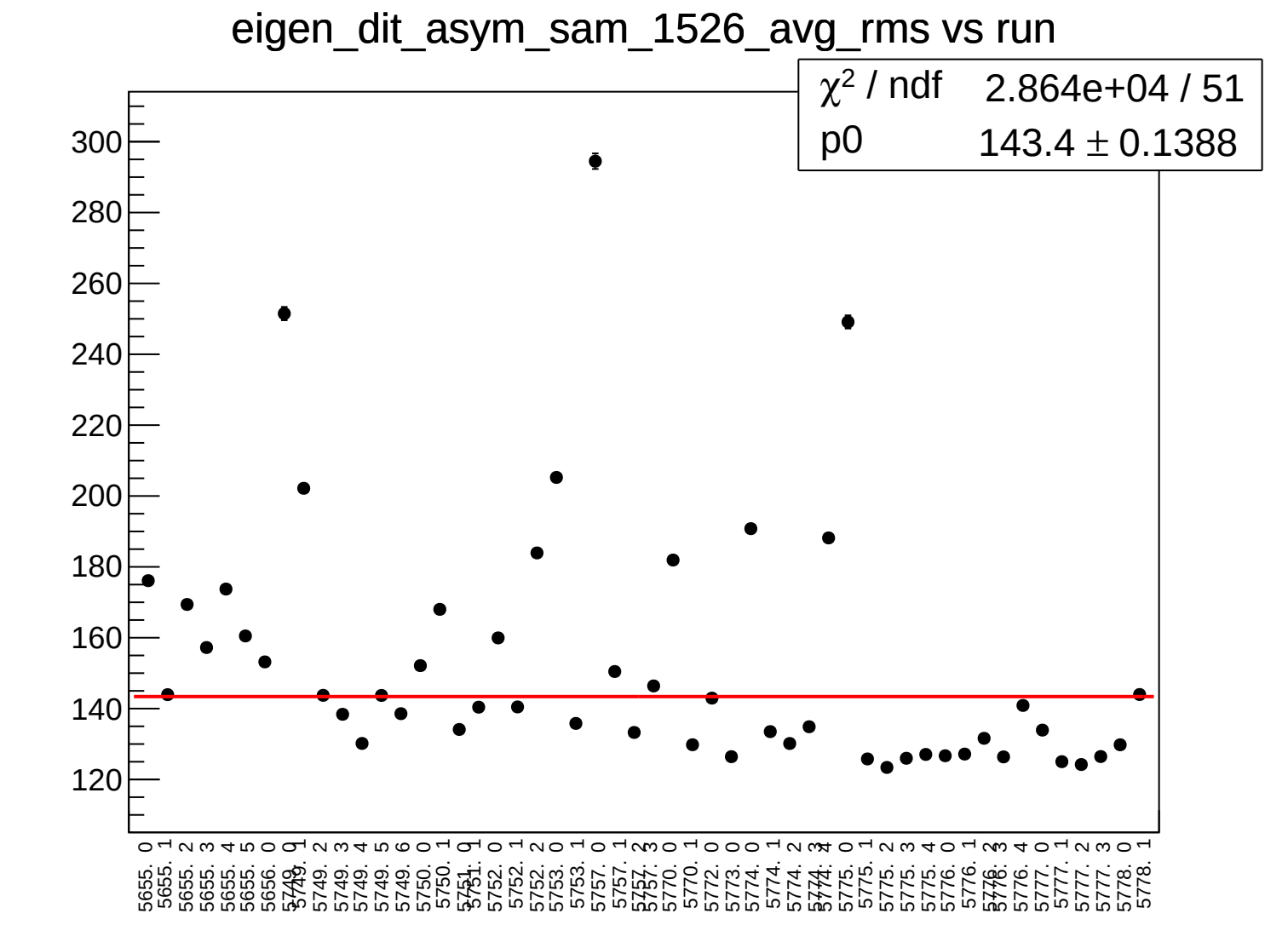

eigen_dit_asym_sam_1526_avg_mean vs run
χ² / ndf 45.27 / 51
p0 192.1 ± 196.3
pull
Entries 52
Mean 167.1
Std Dev 0


pull1D
Entries 52
Mean −0.006395
Std Dev 0.933


eigen_dit_asym_sam_1526_avg_rms vs run
χ² / ndf 2.864e+04 / 51
p0 143.4 ± 0.1388
300
280
260
240
220
200
180
160
140
120
5655. 0
5655. 1
5655. 2
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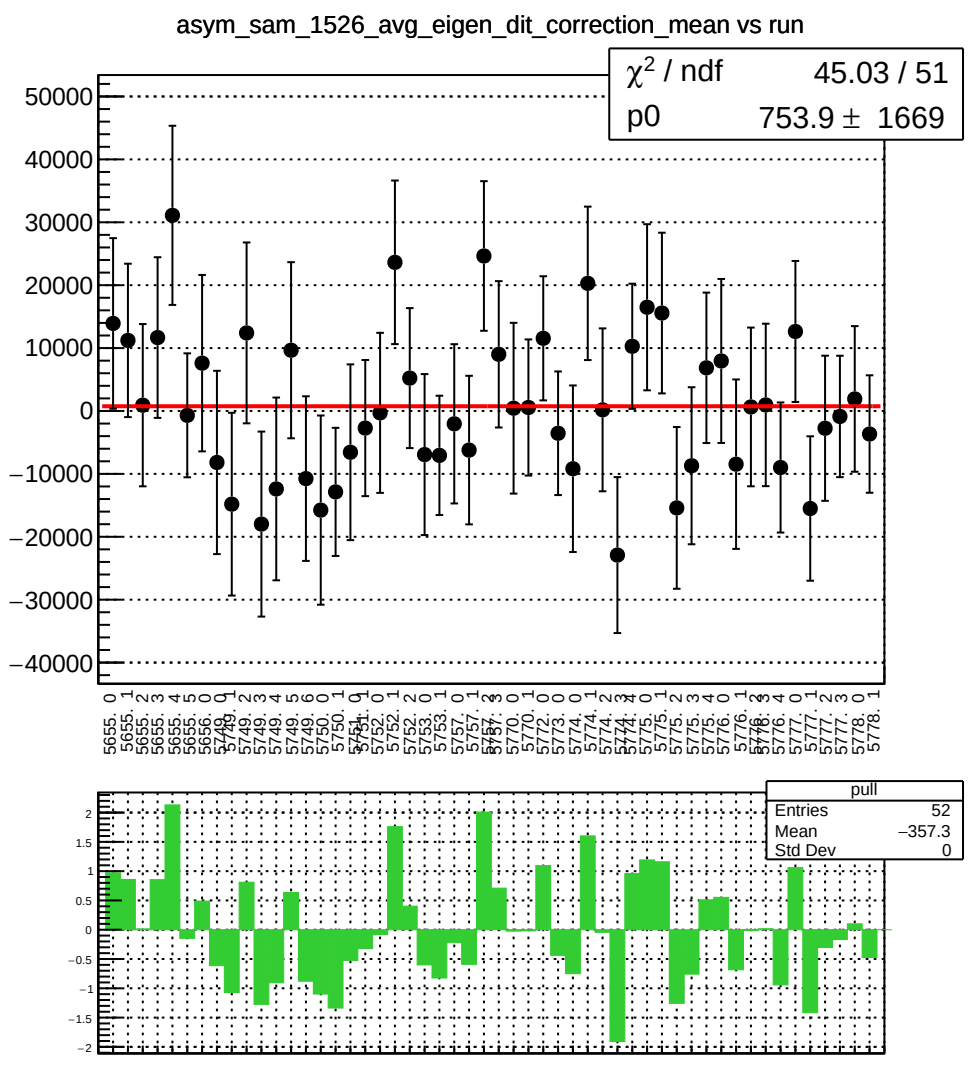
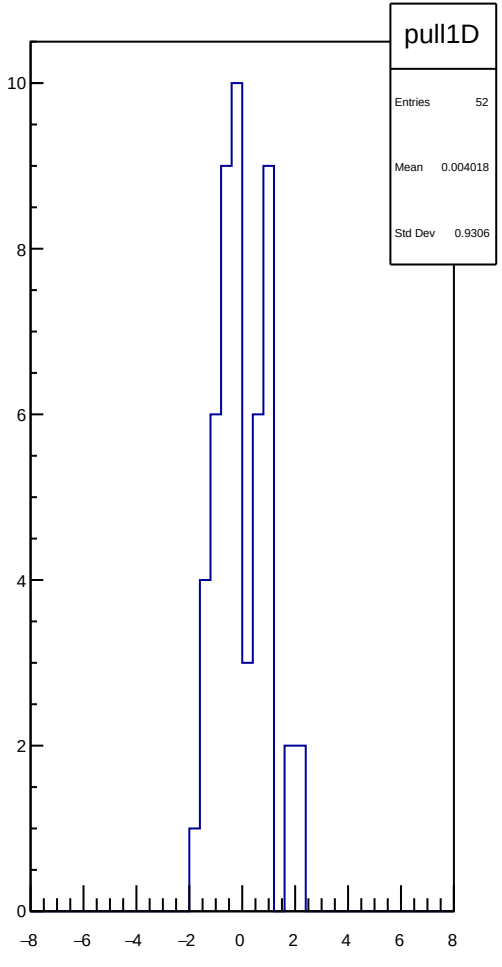
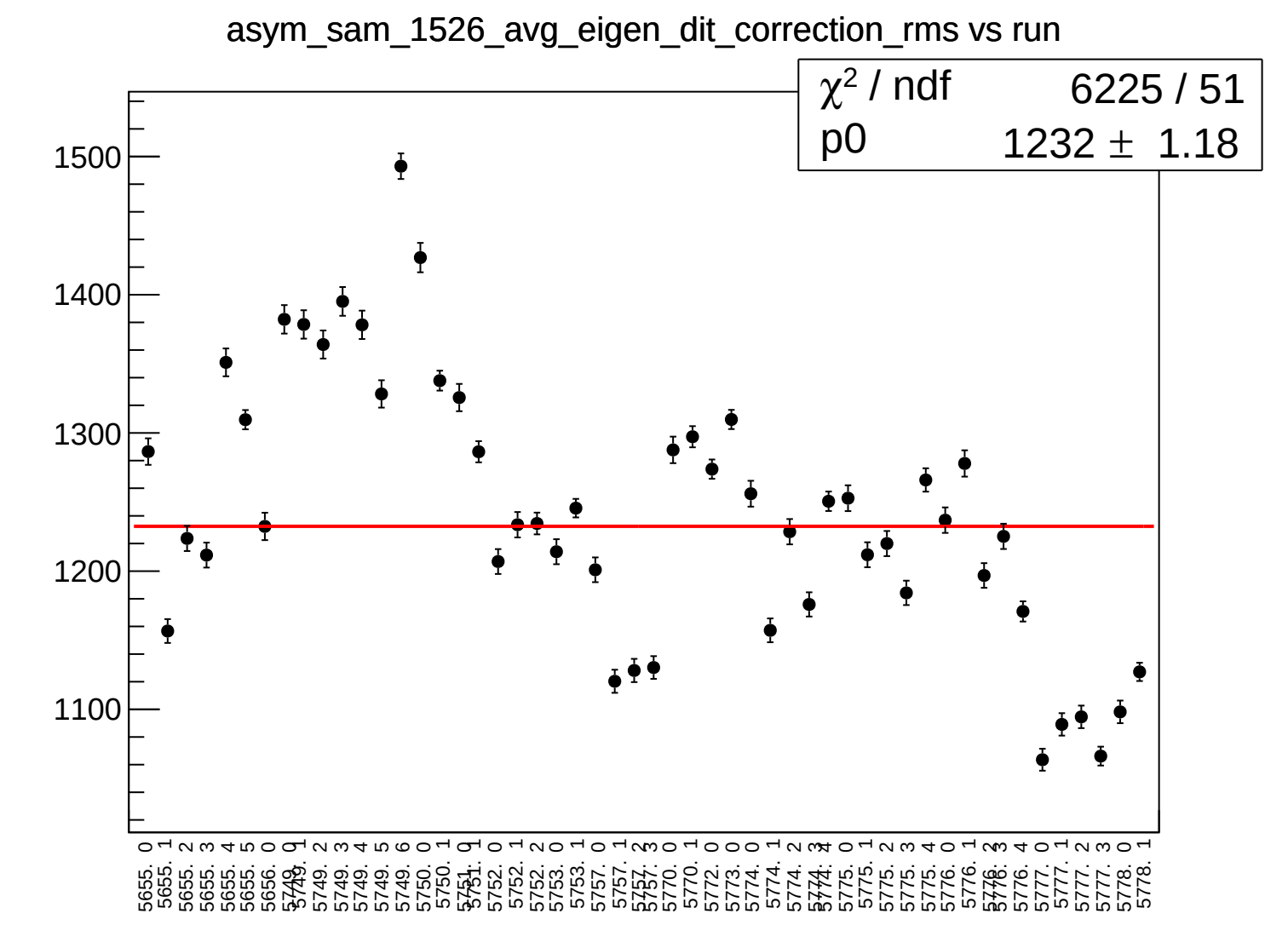
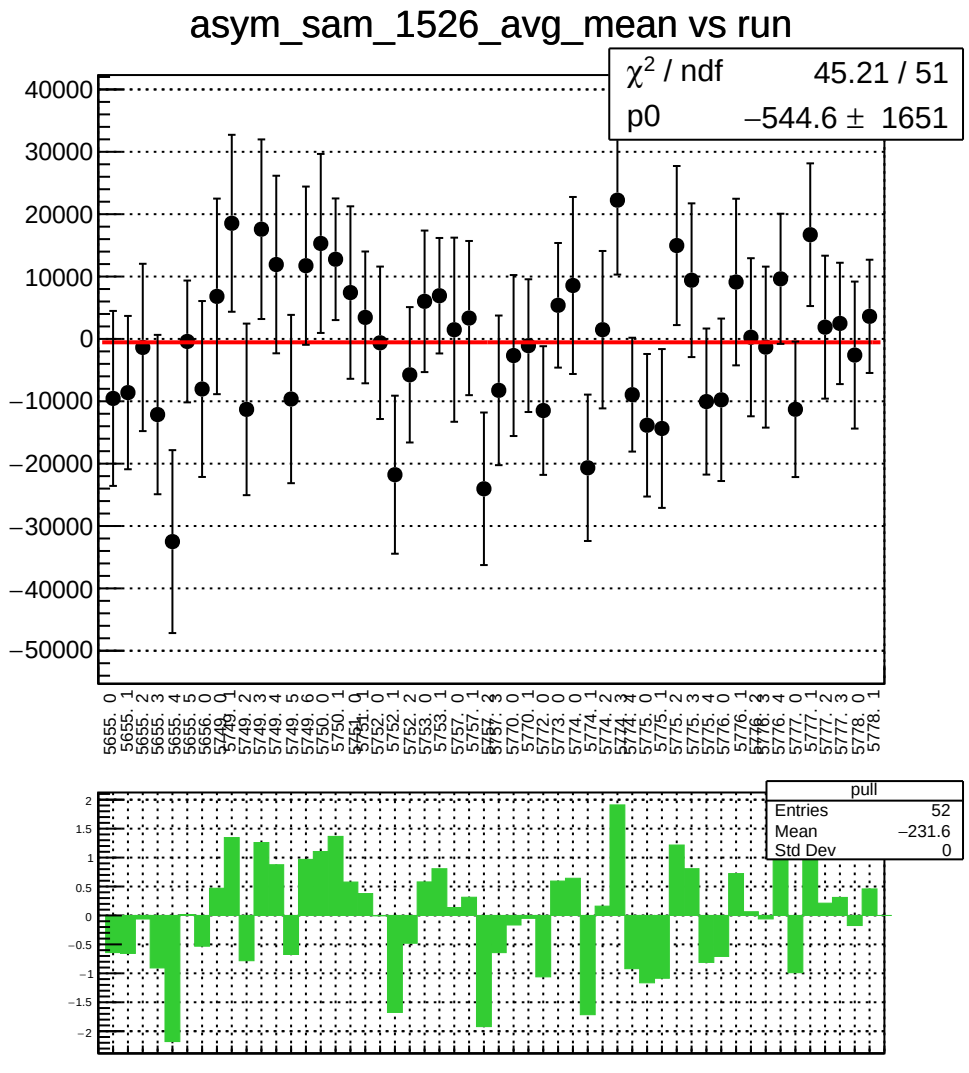
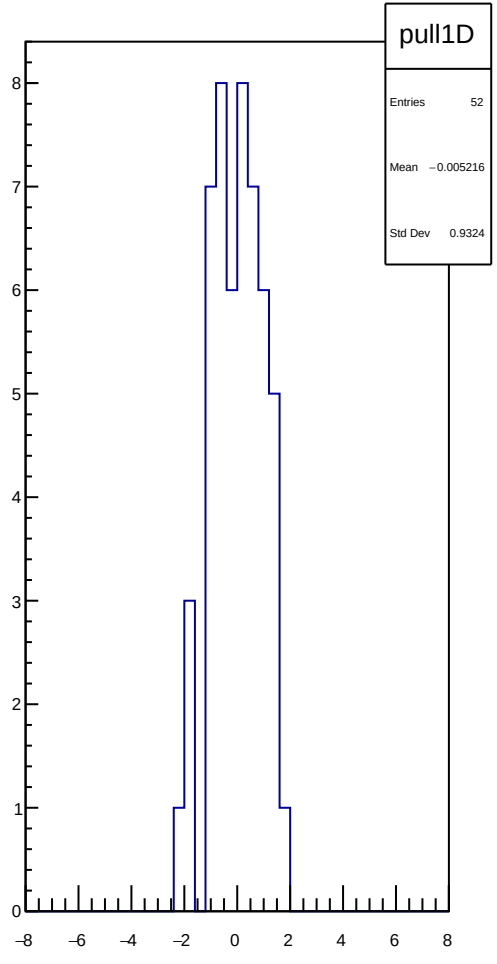
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

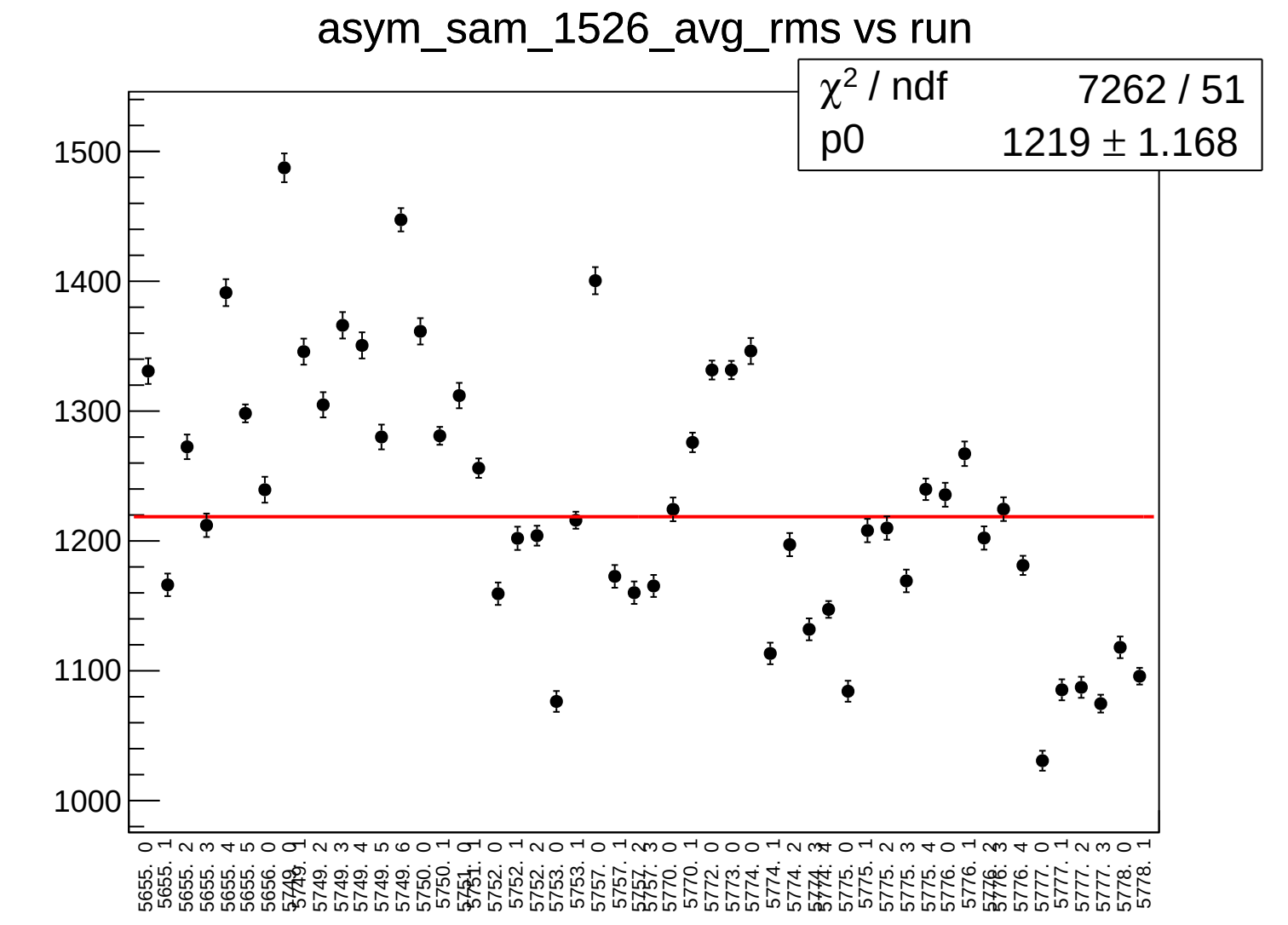

asym_sam_1526_avg_eigen_dit_correction_mean vs run
χ² / ndf 45.03 / 51
p0 753.9 ± 1669
pull
Entries 52
Mean −357.3
Std Dev 0

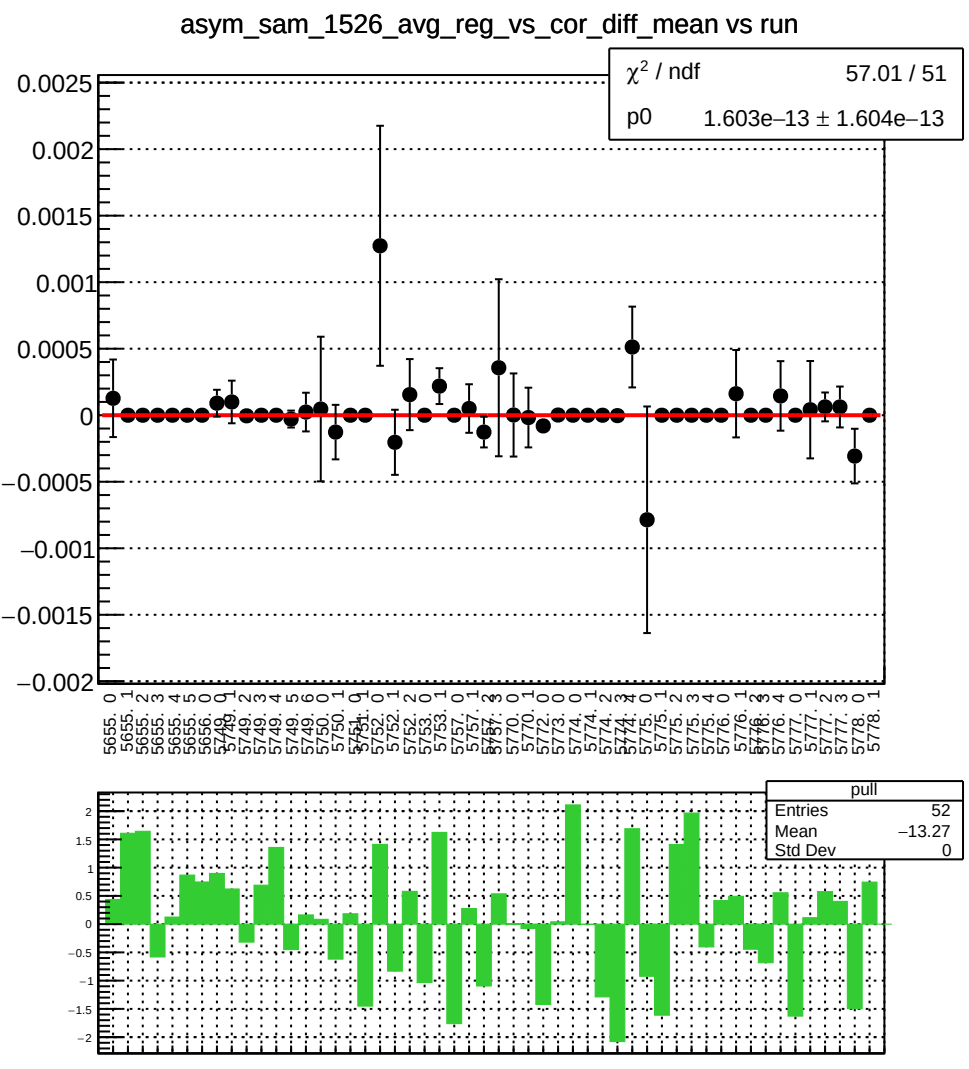

pull1D
Entries 52
Mean 0.004018
Std Dev 0.9306

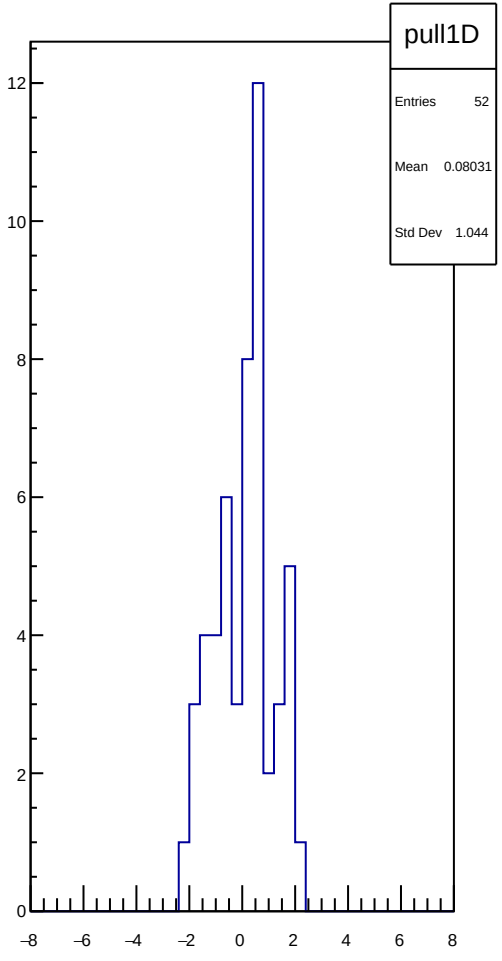

asym_sam_1526_avg_eigen_dit_correction_rms vs run
χ² / ndf 6225 / 51
p0 1232 ± 1.18
1500
1400
1300
1200
1100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

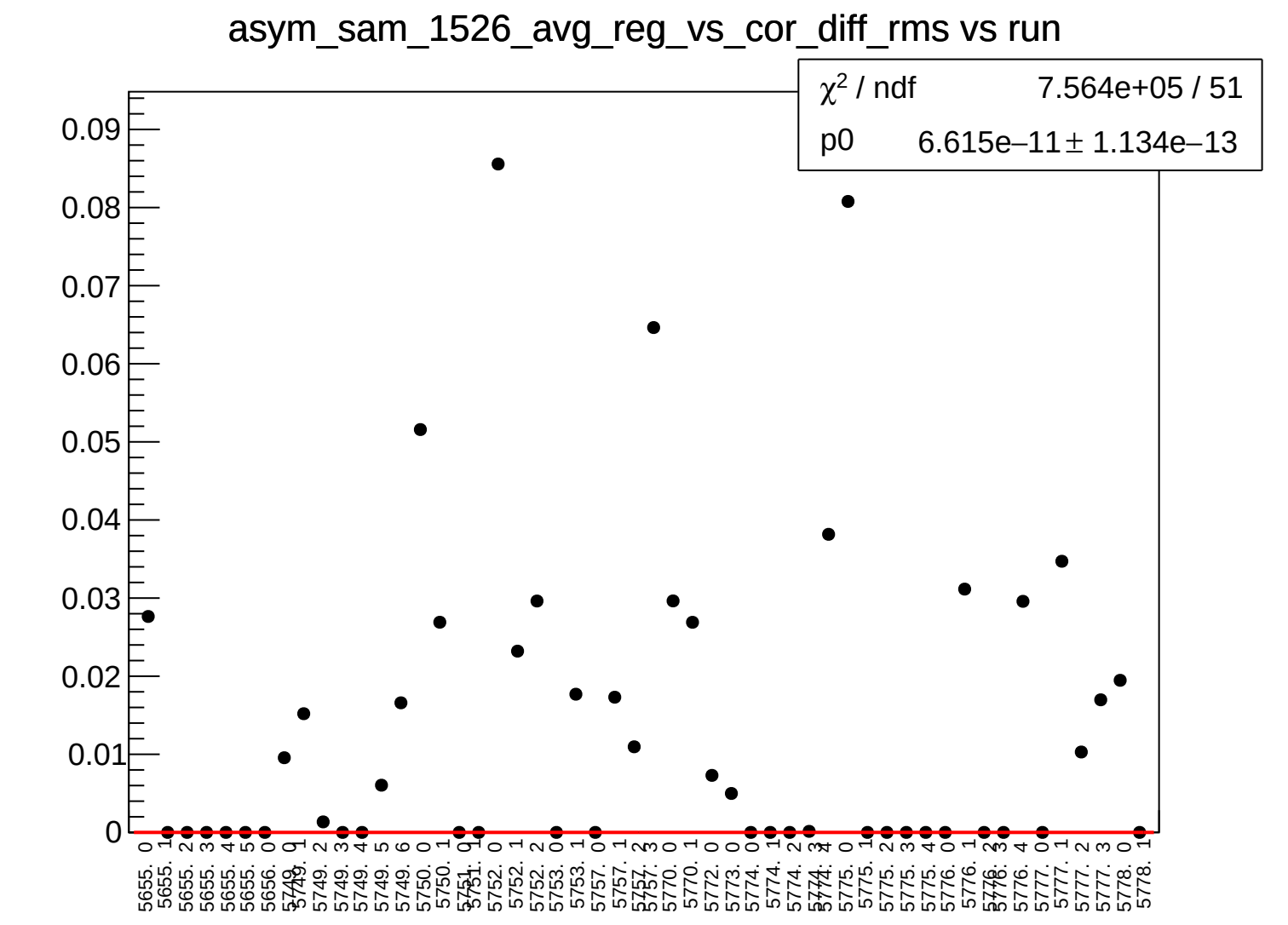

asym_sam_1526_avg_mean vs run
χ² / ndf 45.21 / 51
p0 −544.6 ± 1651
pull
Entries 52
Mean −231.6
Std Dev 0

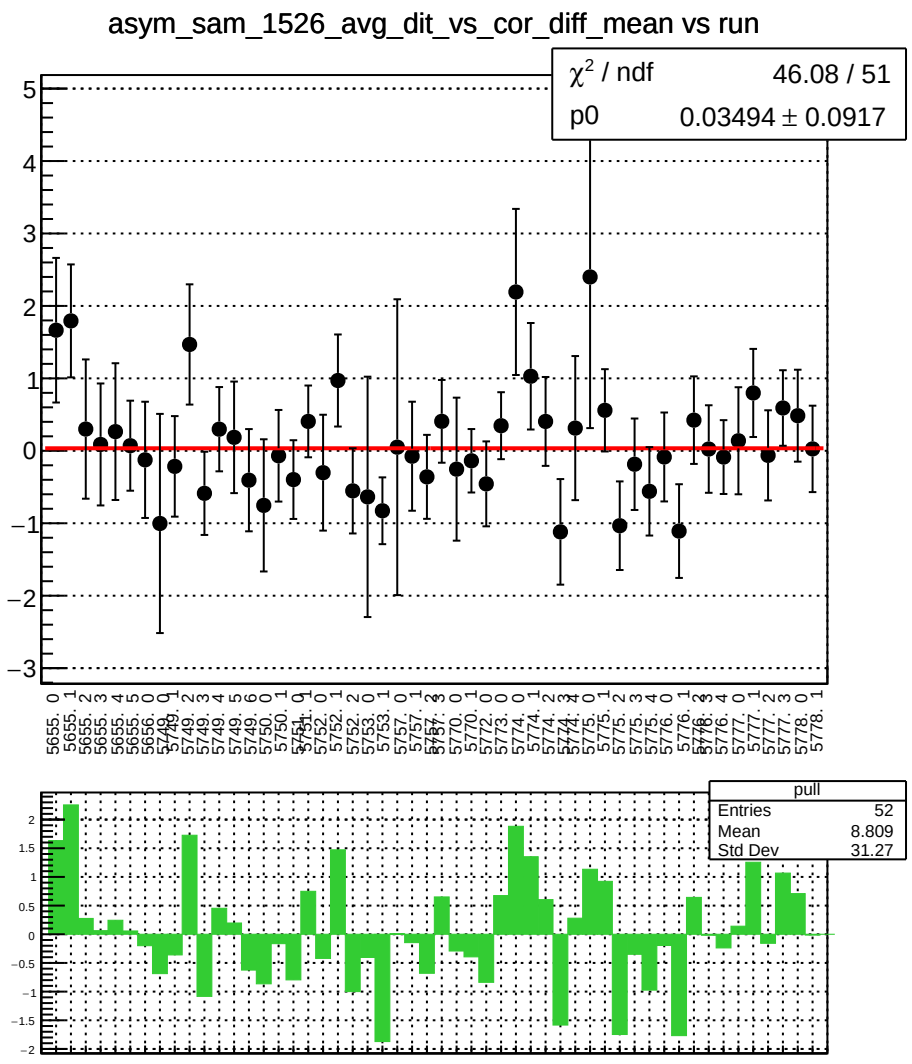

pull1D
Entries 52
Mean −0.005216
Std Dev 0.9324

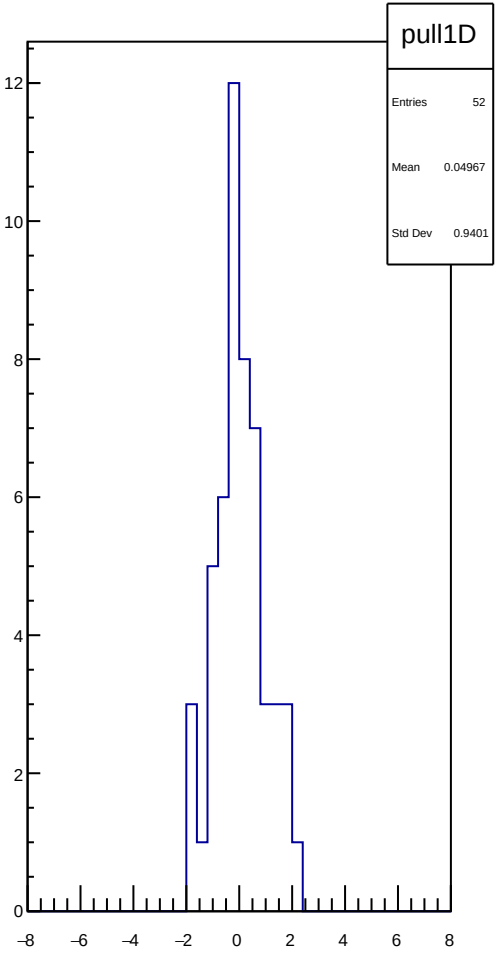

asym_sam_1526_avg_rms vs run
χ² / ndf 7262 / 51
p0 1219 ± 1.168
1500
1400
1300
1200
1100
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

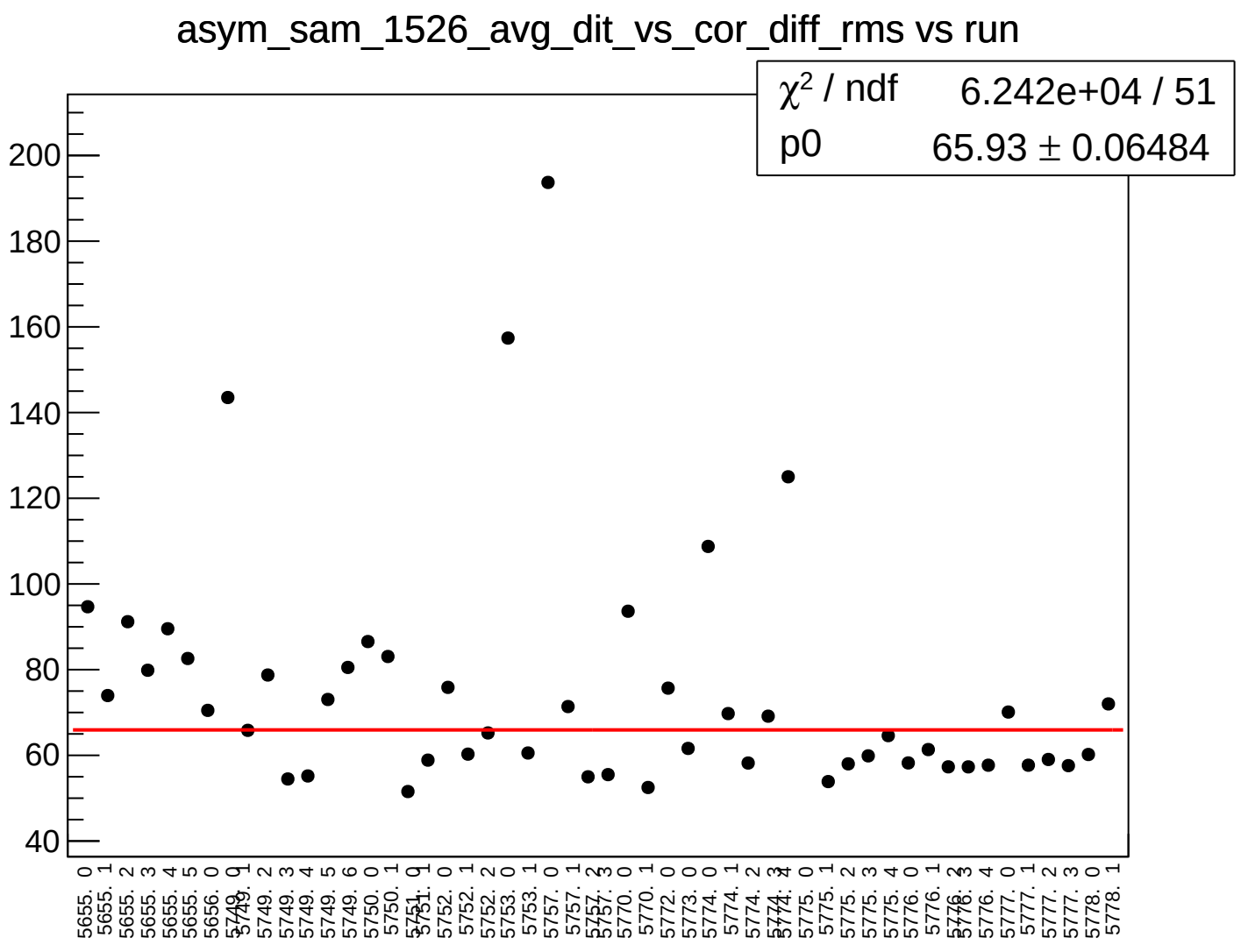

asym_sam_1526_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 57.01 / 51
p0 1.603e−13 ± 1.604e−13
pull
Entries 52
Mean −13.27
Std Dev 0

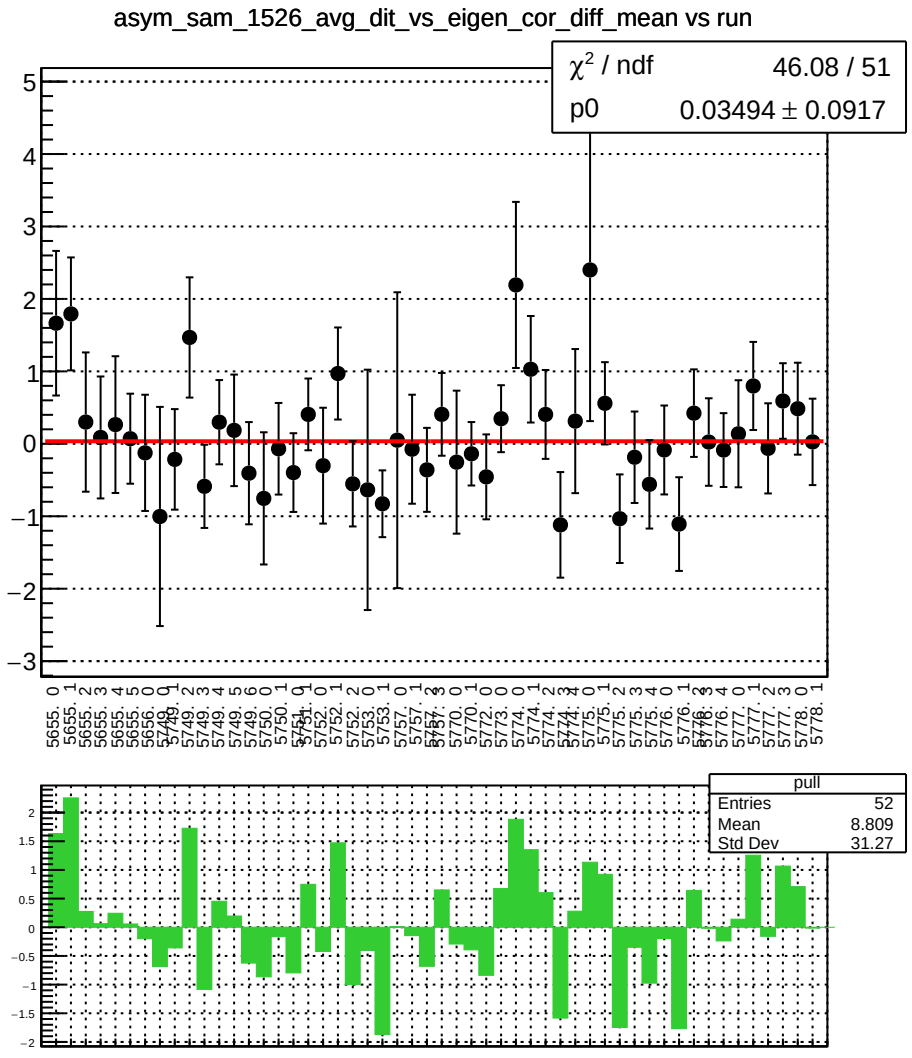

pull1D
Entries 52
Mean 0.08031
Std Dev 1.044

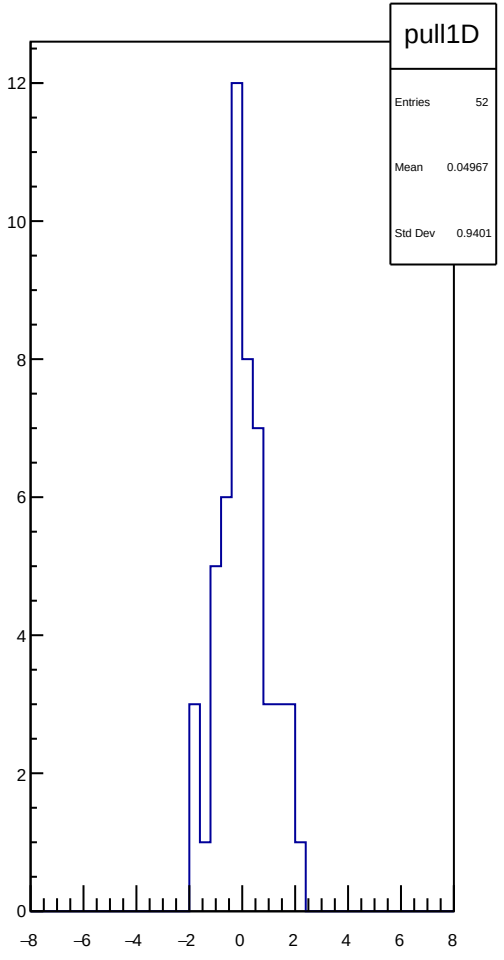

asym_sam_1526_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.564e+05 / 51
p0 6.615e−11 ± 1.134e−13
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

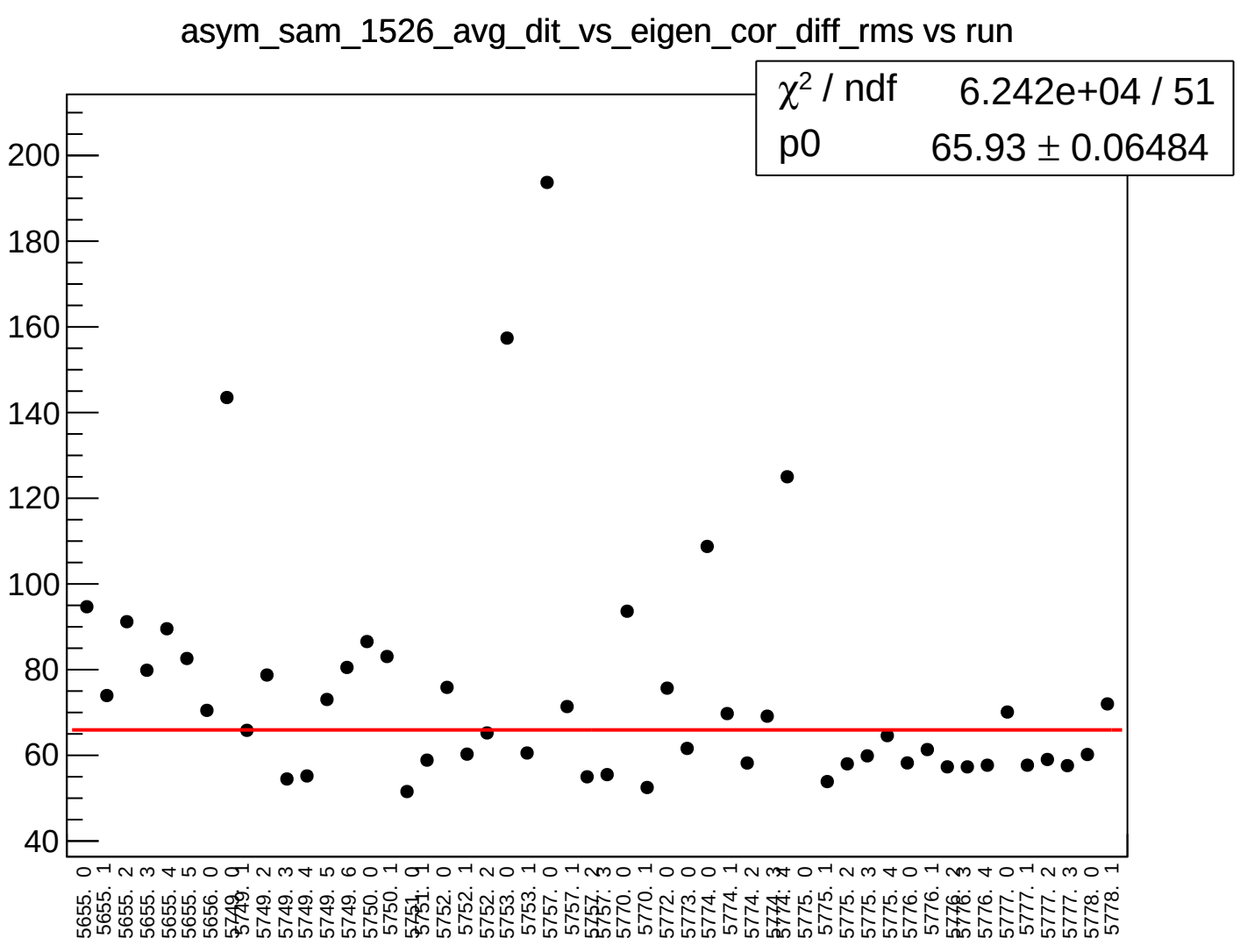

asym_sam_1526_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 46.08 / 51
p0 0.03494 ± 0.0917
pull
Entries 52
Mean 8.809
Std Dev 31.27

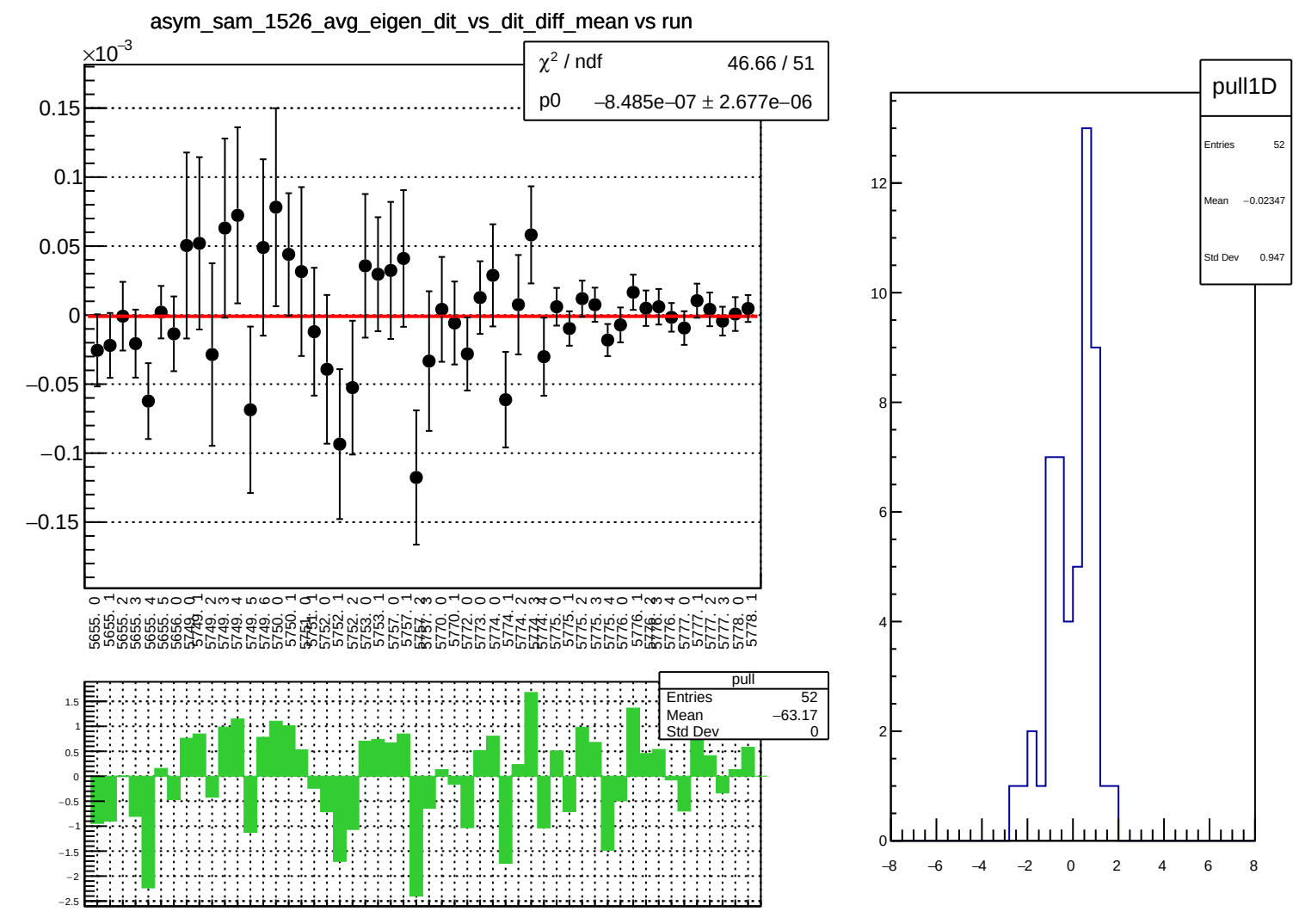

pull1D
Entries 52
Mean 0.04967
Std Dev 0.9401

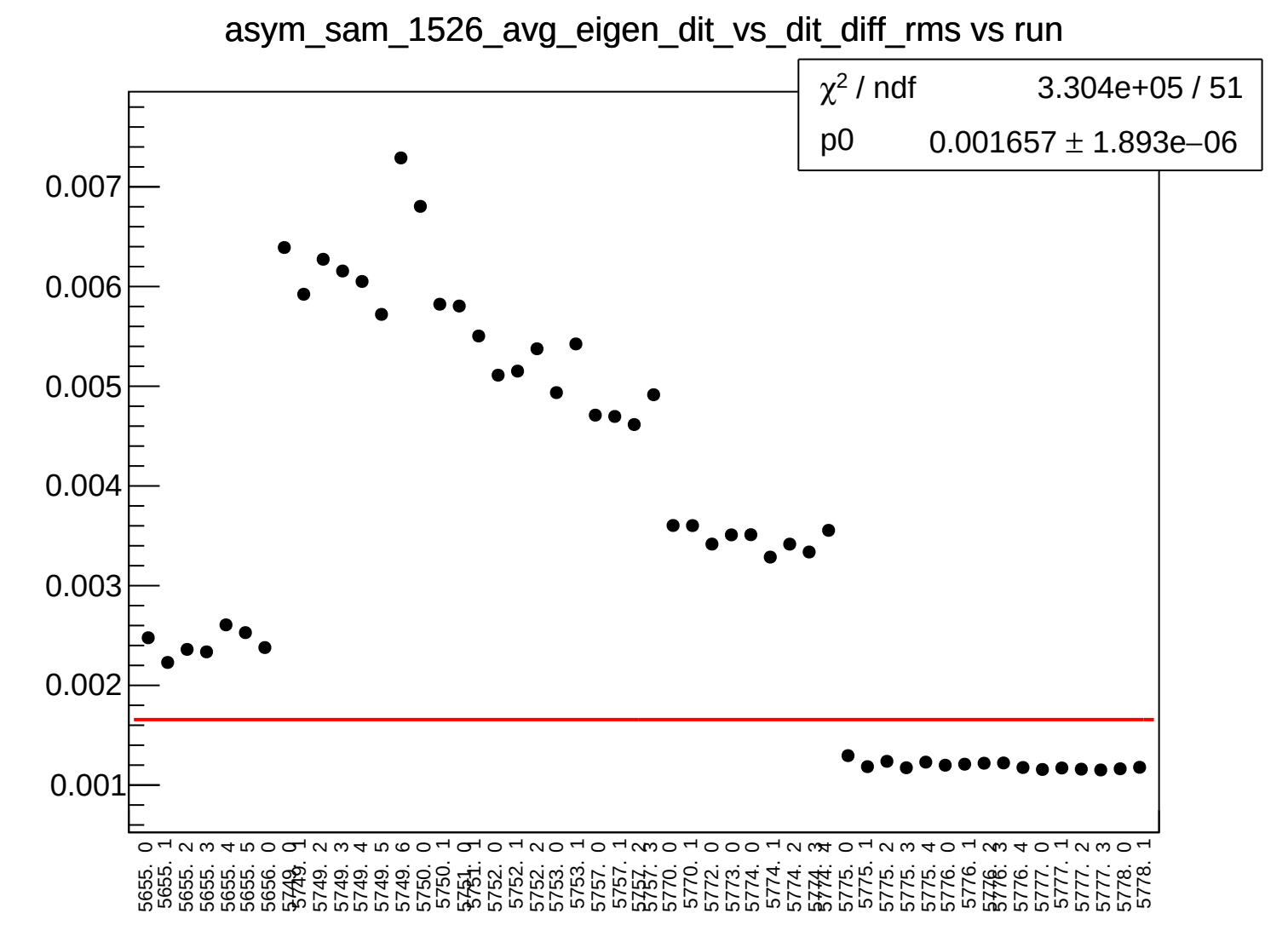

asym_sam_1526_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.242e+04 / 51
p0 65.93 ± 0.06484
200
180
160
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

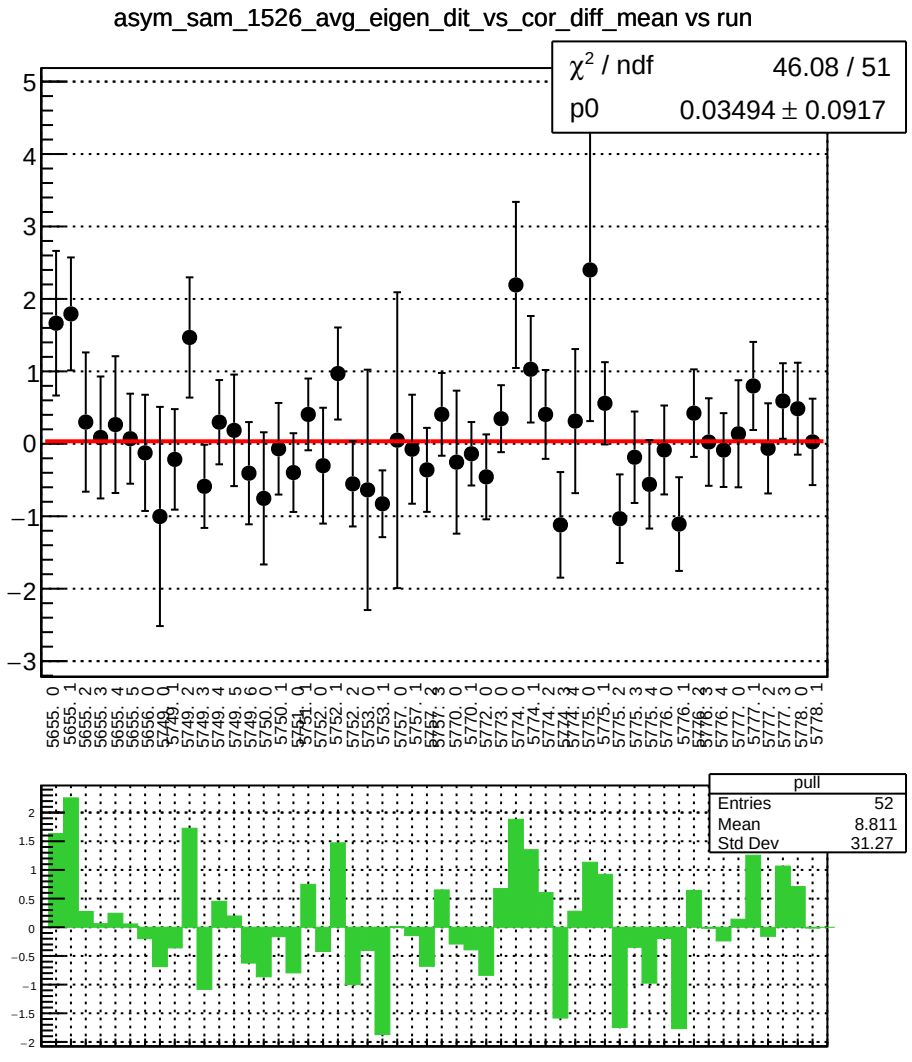

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.08 / 51
p0 0.03494 ± 0.0917
pull
Entries 52
Mean 8.809
Std Dev 31.27

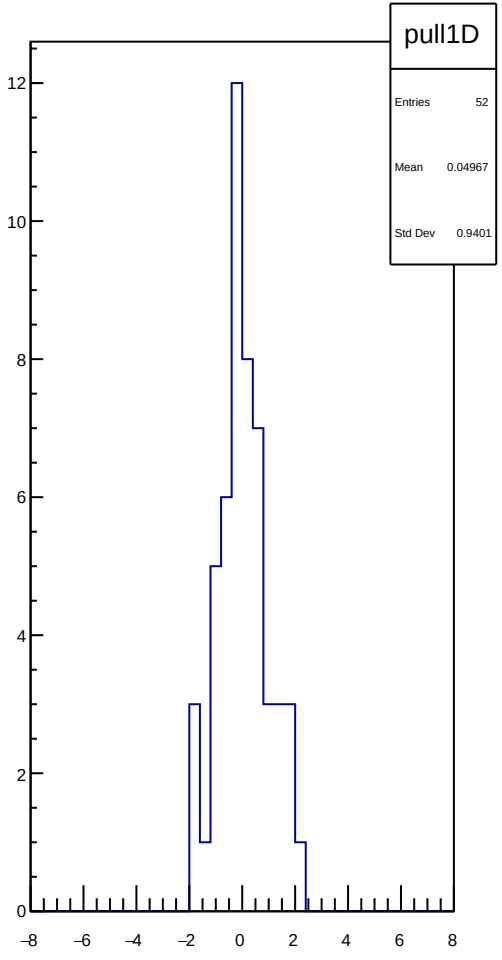

pull1D
Entries 52
Mean 0.04967
Std Dev 0.9401

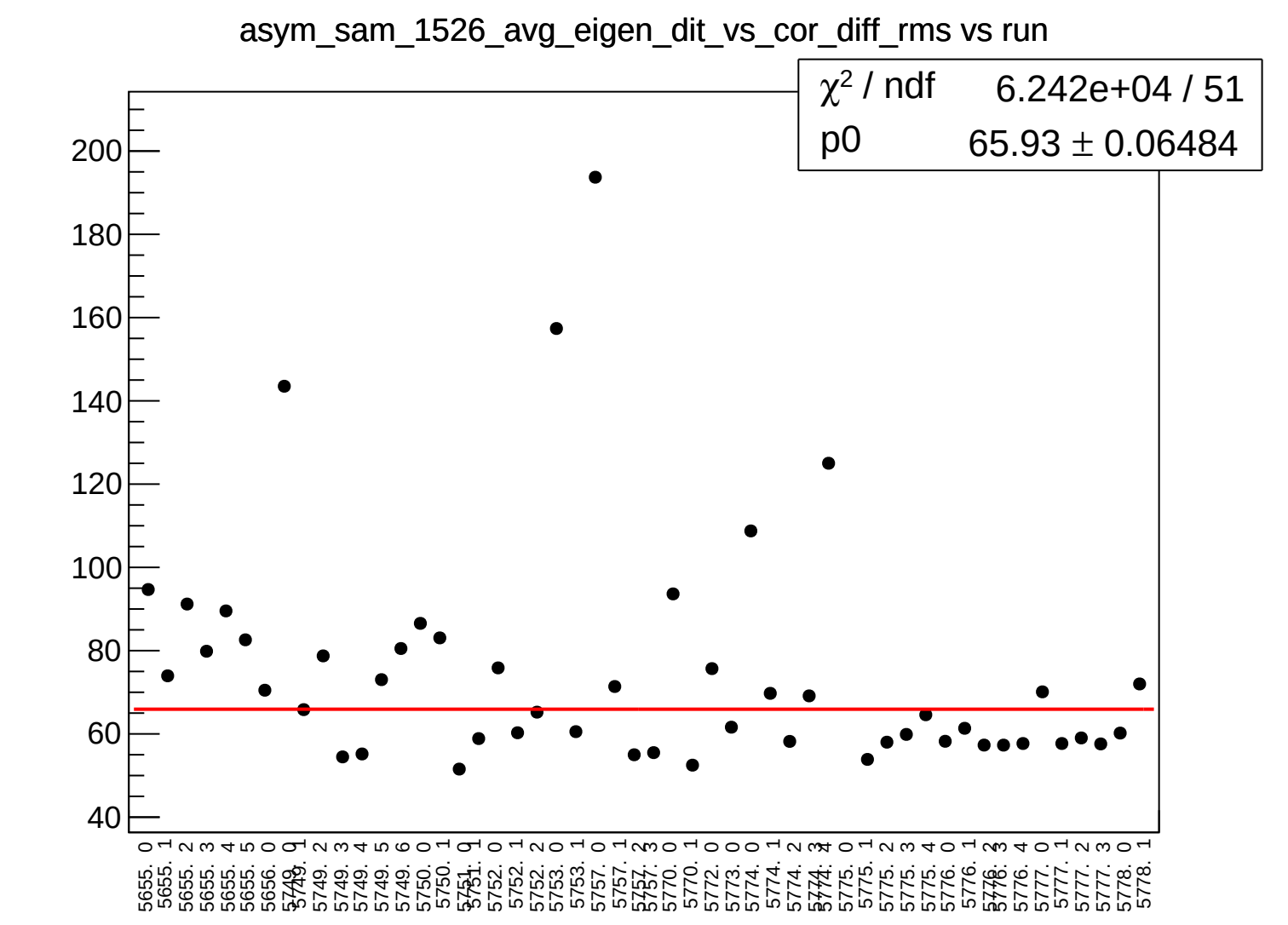

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.242e+04 / 51
p0 65.93 ± 0.06484
200
180
160
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

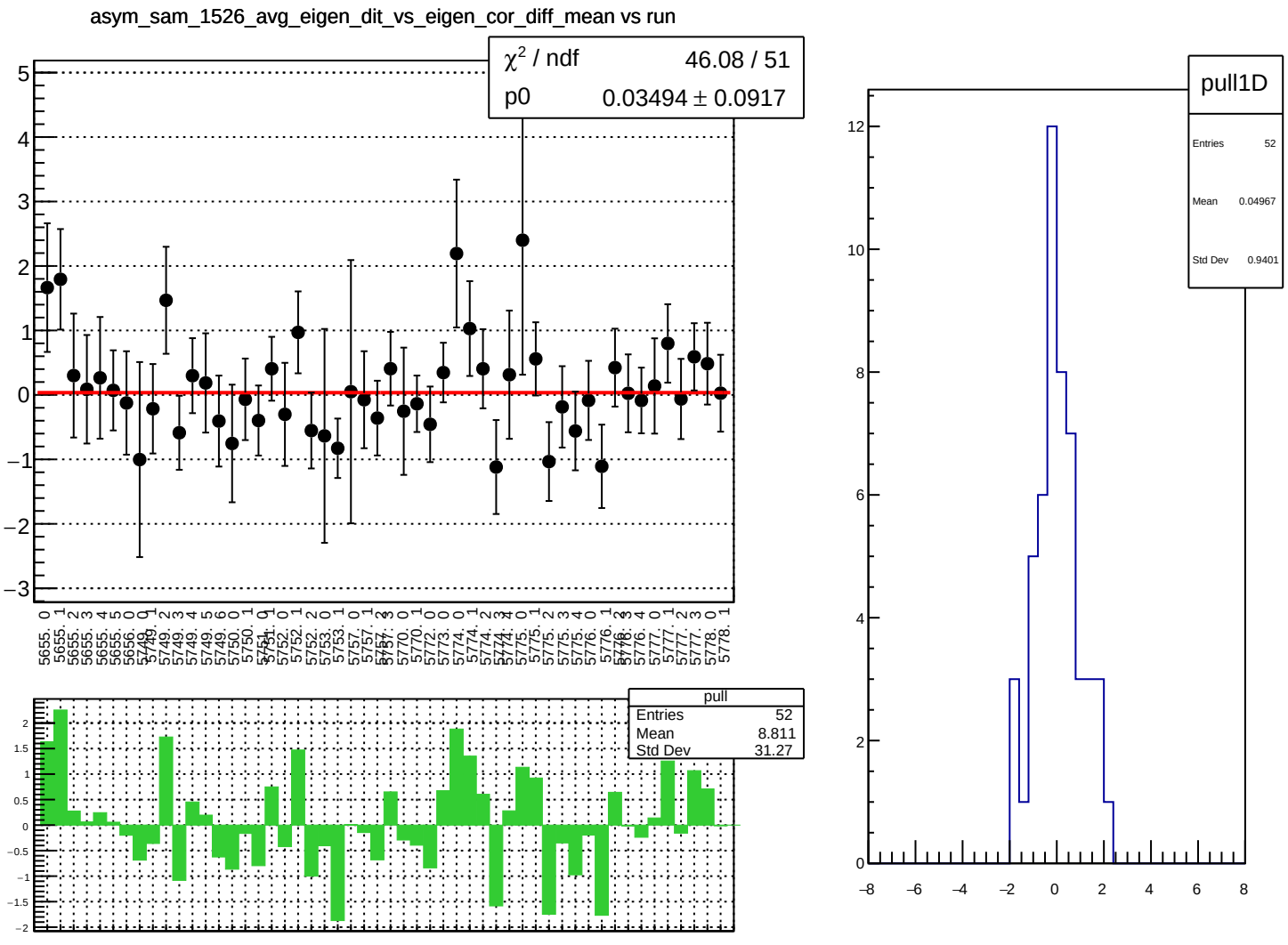

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 46.66 / 51
p0 −8.485e−07 ± 2.677e−06
pull
Entries 52
Mean −63.17
Std Dev 0
pull1D
Entries 52
Mean −0.02347
Std Dev 0.947

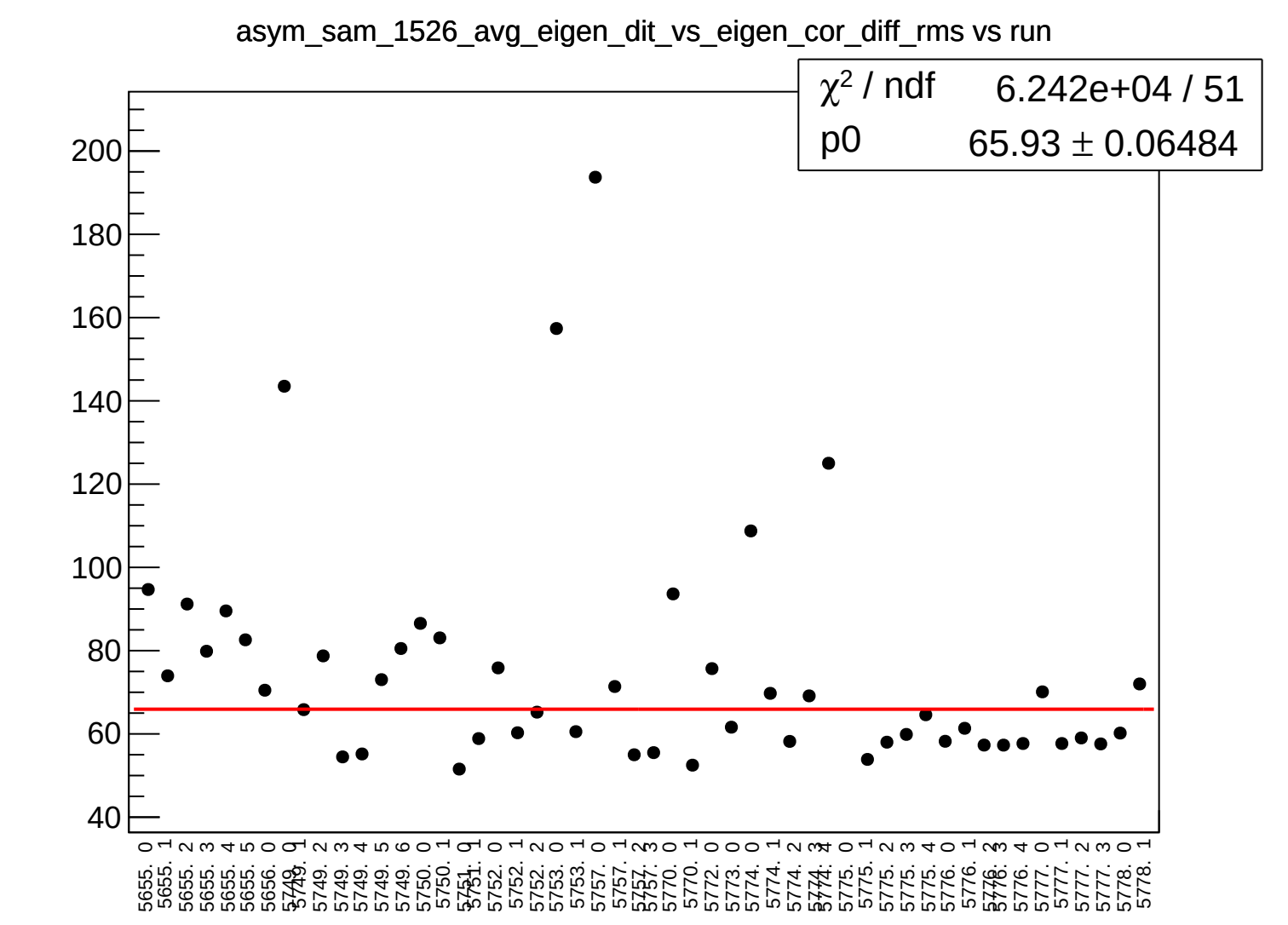

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.304e+05 / 51
p0 0.001657 ± 1.893e−06
0.007
0.006
0.005
0.004
0.003
0.002
0.001
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

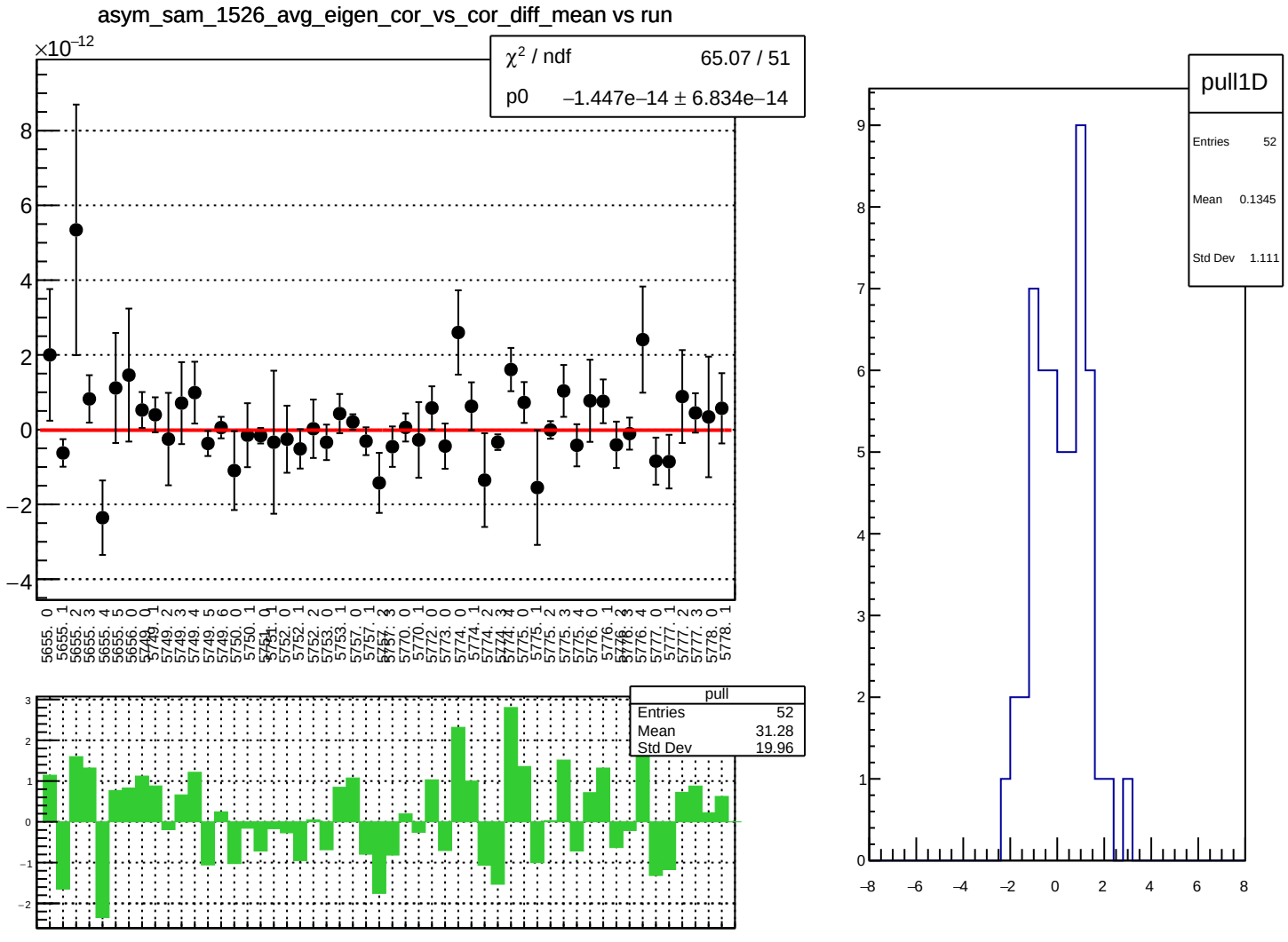

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.08 / 51
p0 0.03494 ± 0.0917
pull
Entries 52
Mean 8.811
Std Dev 31.27

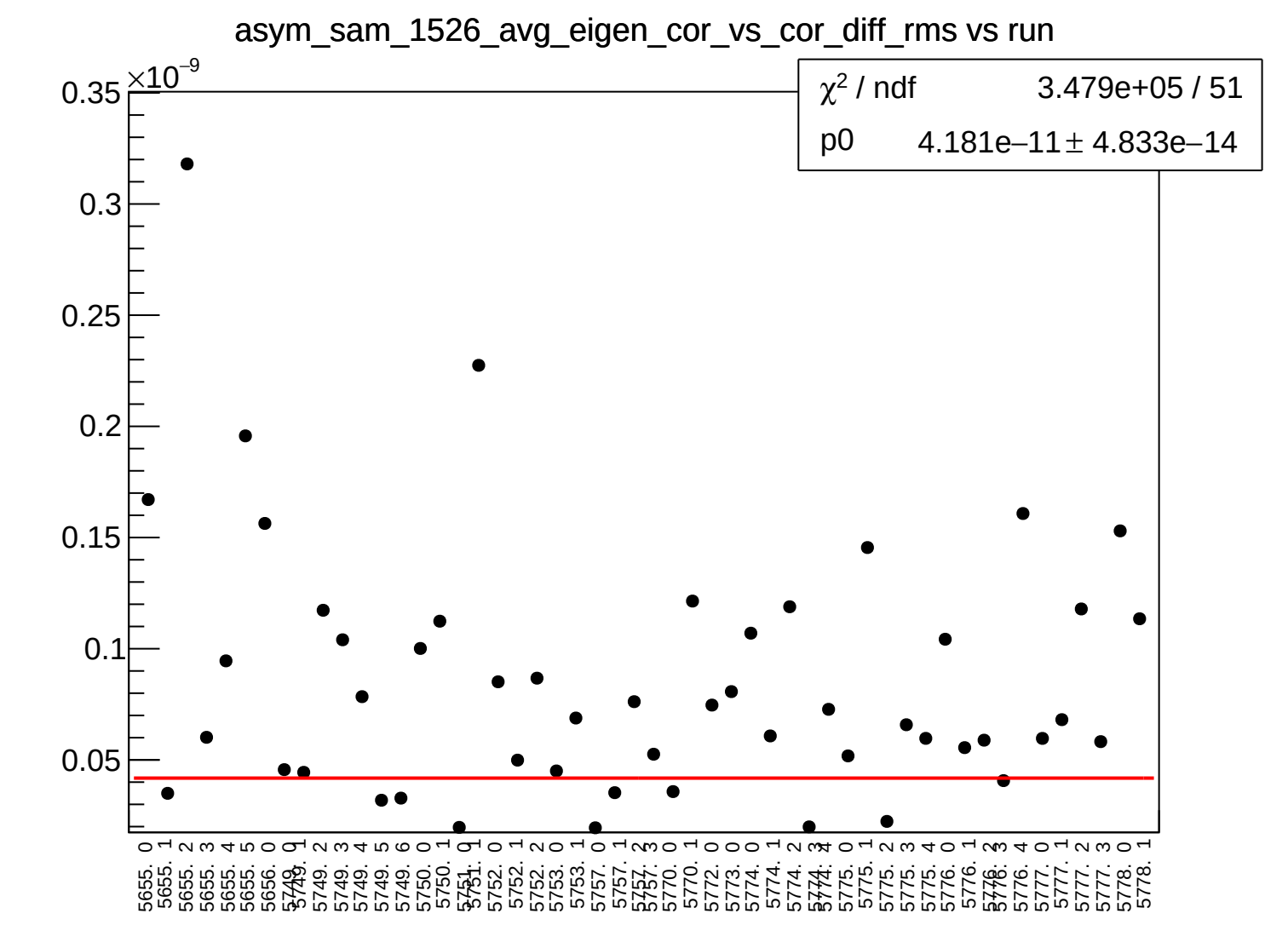

pull1D
Entries 52
Mean 0.04967
Std Dev 0.9401

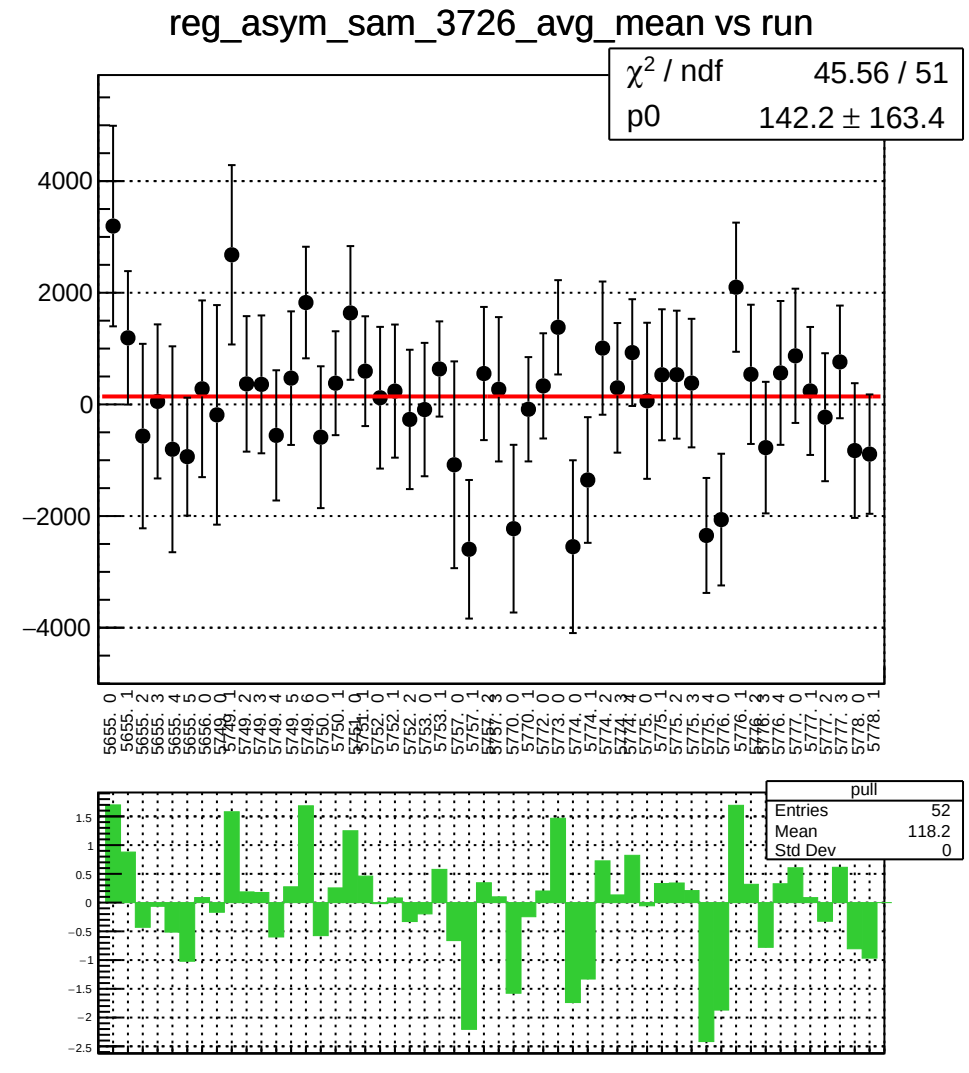

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.242e+04 / 51
p0 65.93 ± 0.06484
200
180
160
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

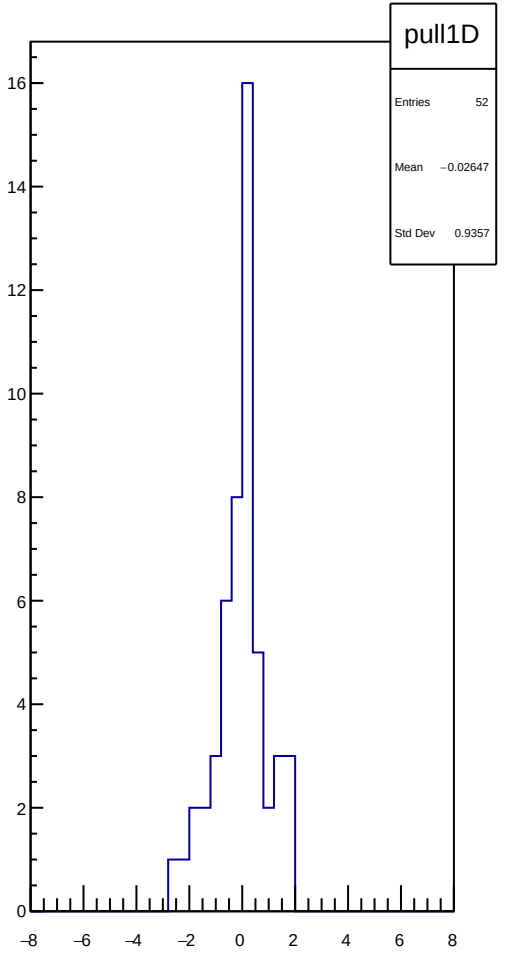

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.08 / 51
p0 0.03494 ± 0.0917
pull
Entries 52
Mean 8.811
Std Dev 31.27
pull1D
Entries 52
Mean 0.04967
Std Dev 0.9401

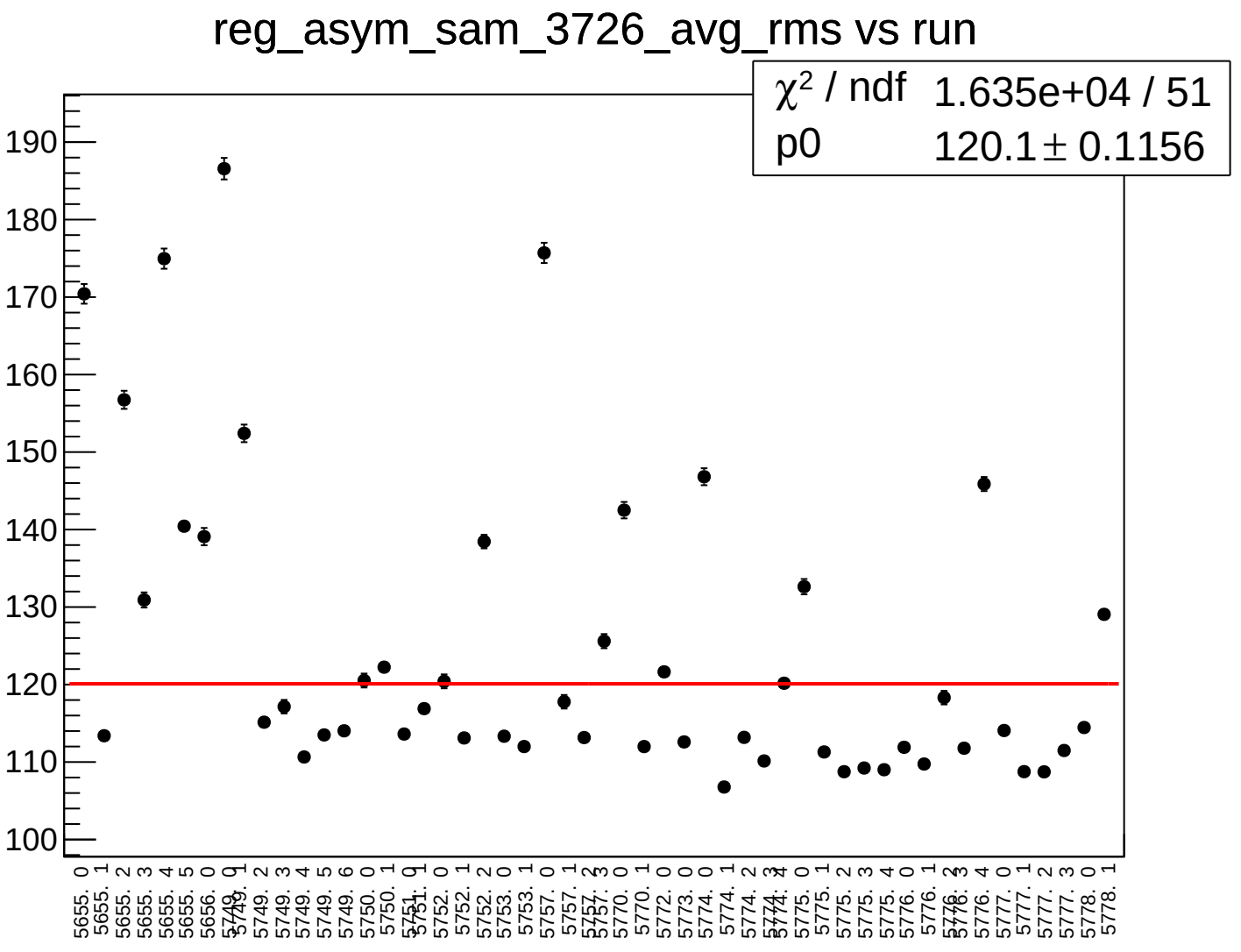

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.242e+04 / 51
p0 65.93 ± 0.06484
200
180
160
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 65.07 / 51
p0 −1.447e−14 ± 6.834e−14
pull
Entries 52
Mean 31.28
Std Dev 19.96
pull1D
Entries 52
Mean 0.1345
Std Dev 1.111


asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
χ² / ndf 3.479e+05 / 51
p0 4.181e−11 ± 4.833e−14
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


reg_asym_sam_3726_avg_mean vs run
χ² / ndf 45.56 / 51
p0 142.2 ± 163.4
4000
2000
0
−2000
−4000
pull
Entries 52
Mean 118.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 52
Mean −0.02647
Std Dev 0.9357
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_3726_avg_rms vs run
χ² / ndf 1.635e+04 / 51
p0 120.1 ± 0.1156
190
180
170
160
150
140
130
120
110
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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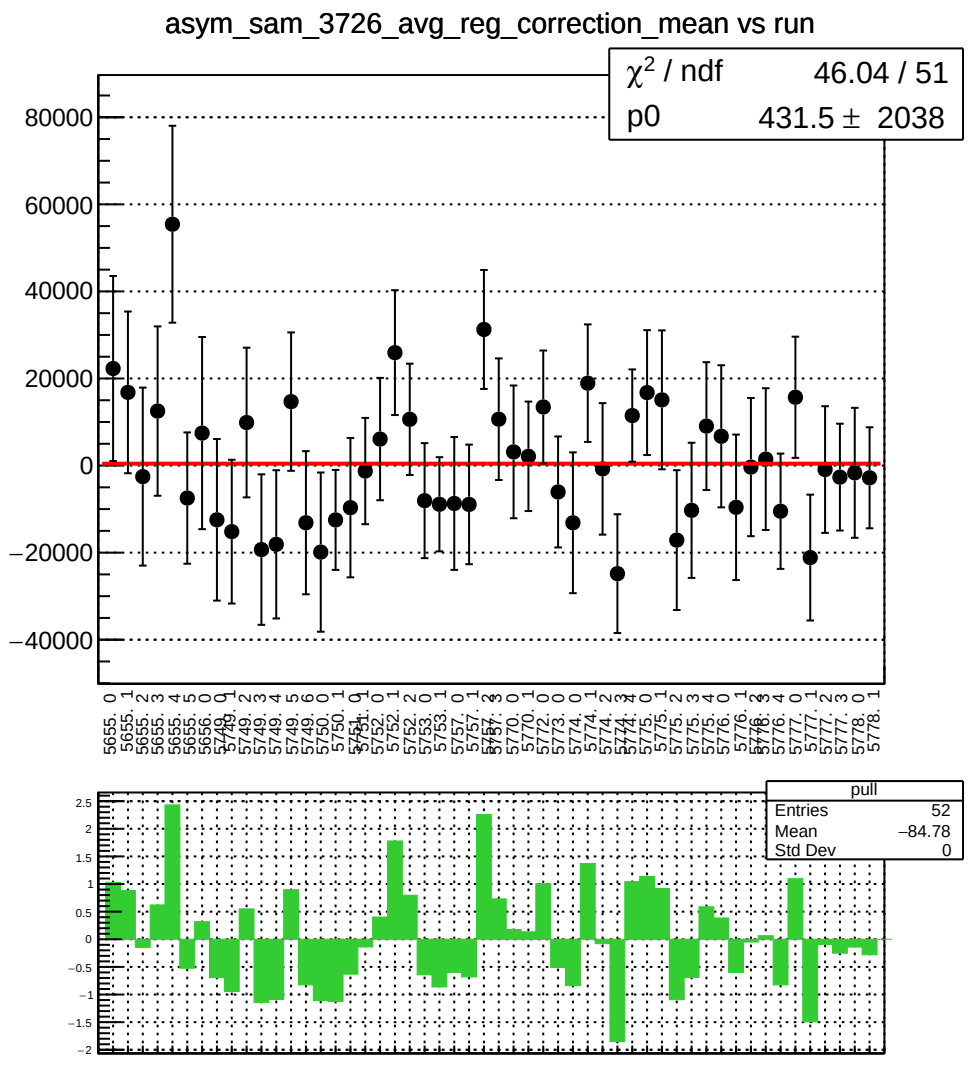
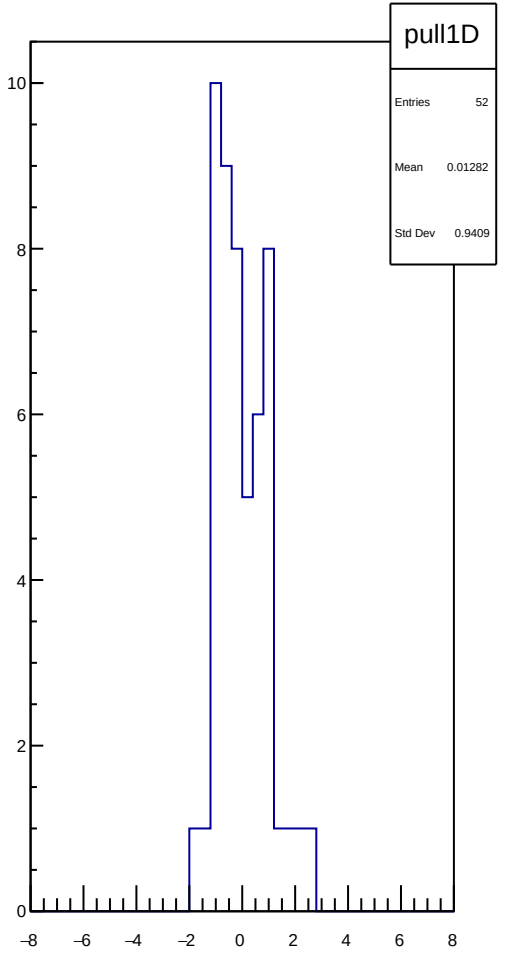
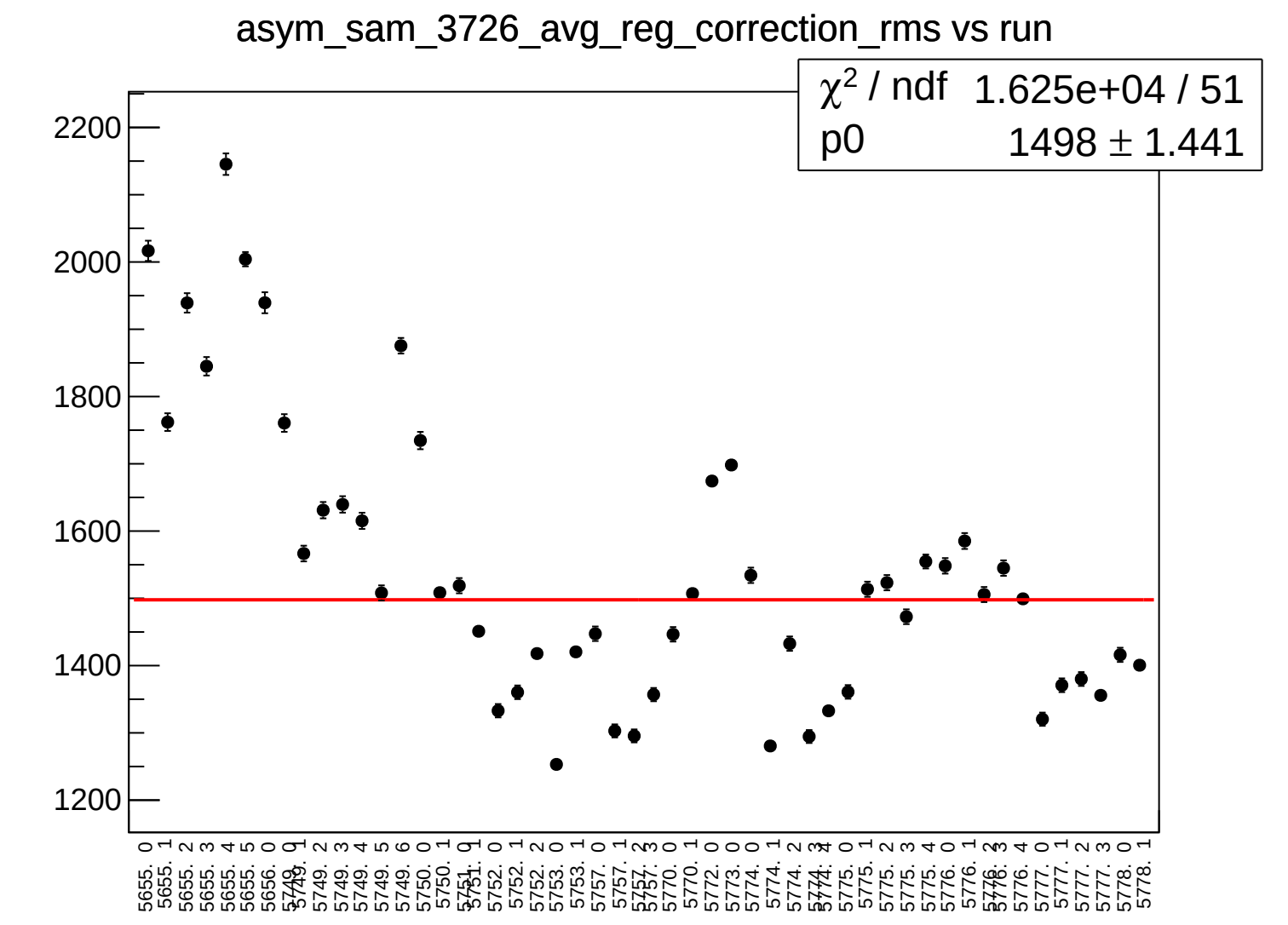
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_3726_avg_reg_correction_mean vs run
χ² / ndf 46.04 / 51
p0 431.5 ± 2038
pull
Entries 52
Mean −84.78
Std Dev 0


pull1D
Entries 52
Mean 0.01282
Std Dev 0.9409


asym_sam_3726_avg_reg_correction_rms vs run
χ² / ndf 1.625e+04 / 51
p0 1498 ± 1.441
2200
2000
1800
1600
1400
1200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
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5774. 2
5774. 3
5774. 4
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5777. 2
5777. 3
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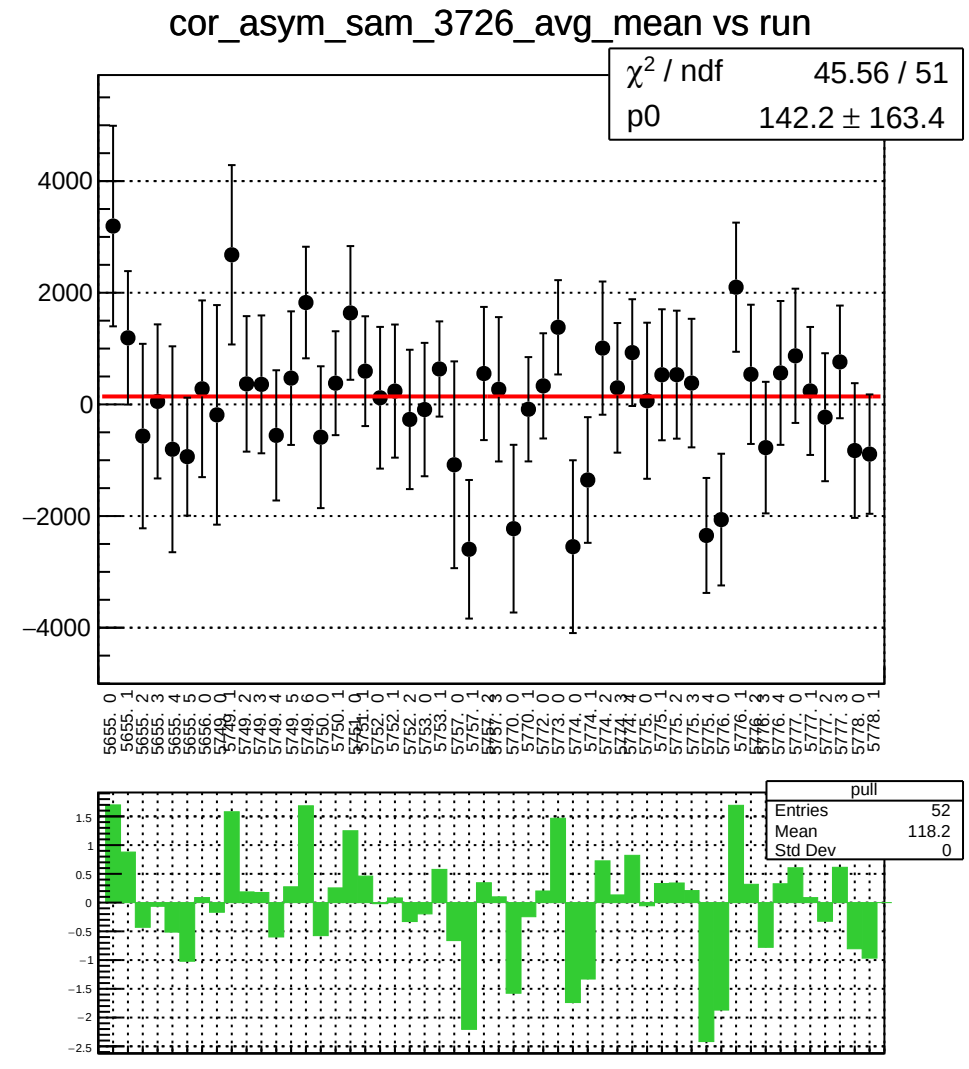
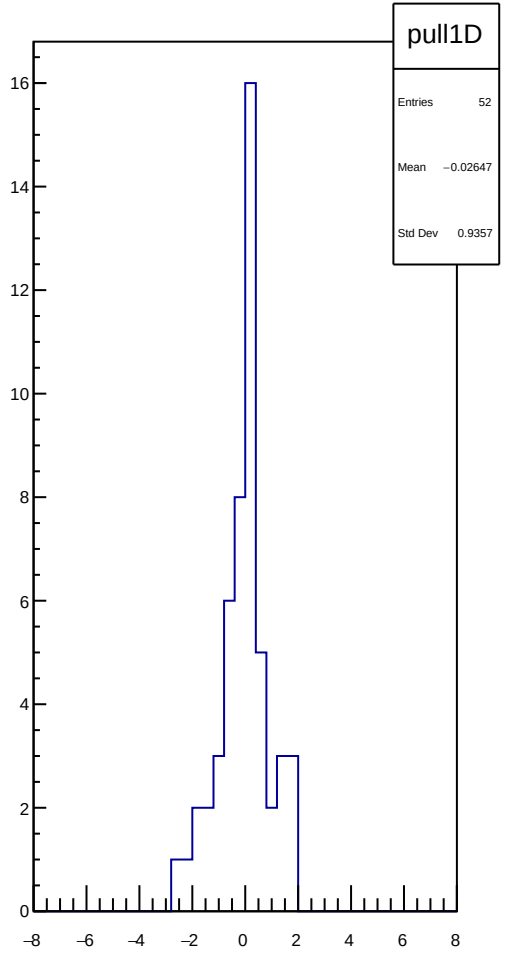
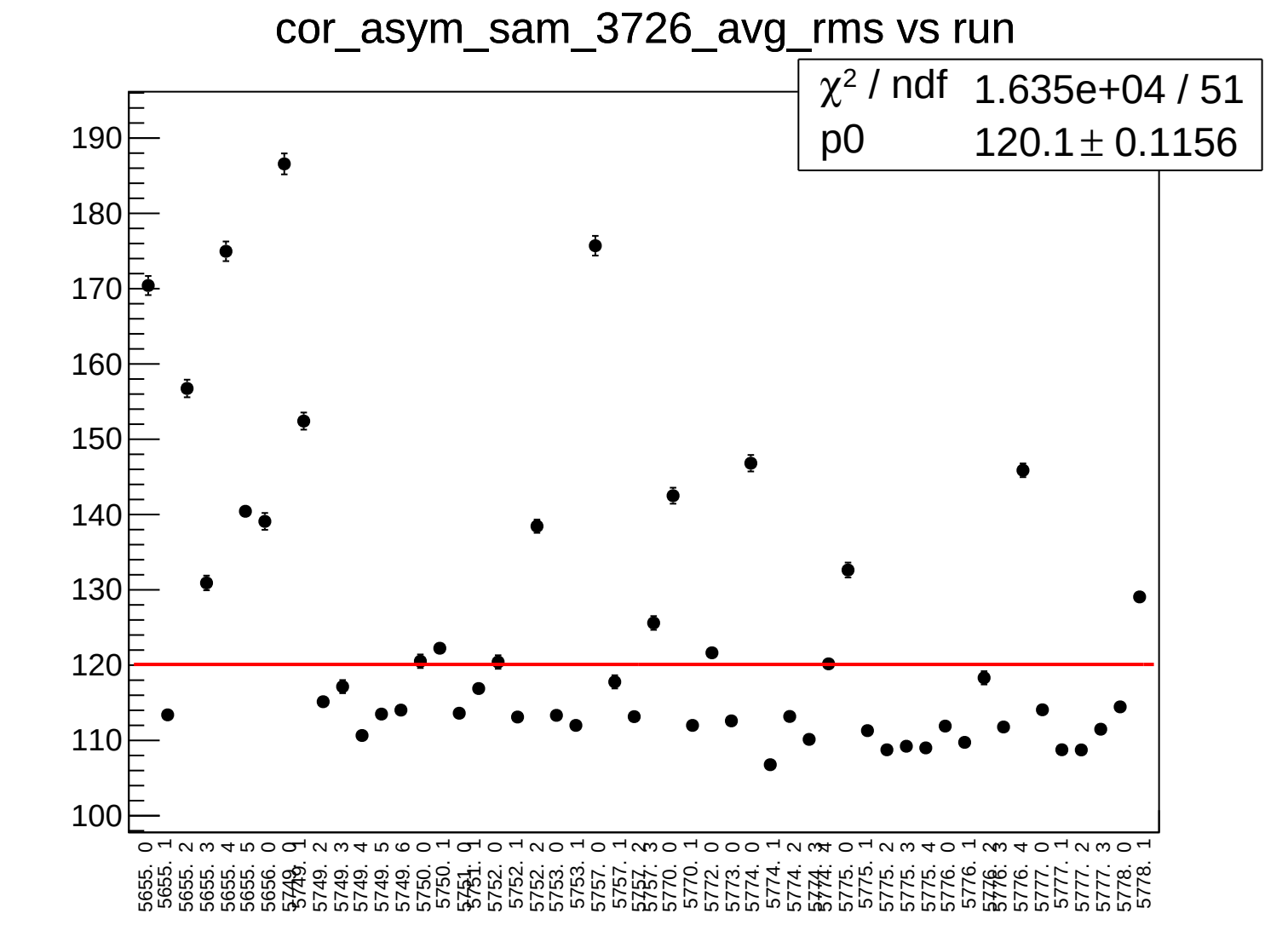
5778. 1


cor_asym_sam_3726_avg_mean vs run
χ² / ndf 45.56 / 51
p0 142.2 ± 163.4
4000
2000
0
−2000
−4000
pull
Entries 52
Mean 118.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 52
Mean −0.02647
Std Dev 0.9357
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_3726_avg_rms vs run
χ² / ndf 1.635e+04 / 51
p0 120.1 ± 0.1156
190
180
170
160
150
140
130
120
110
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
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5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
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5774. 1
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5775. 2
5775. 3
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5776. 0
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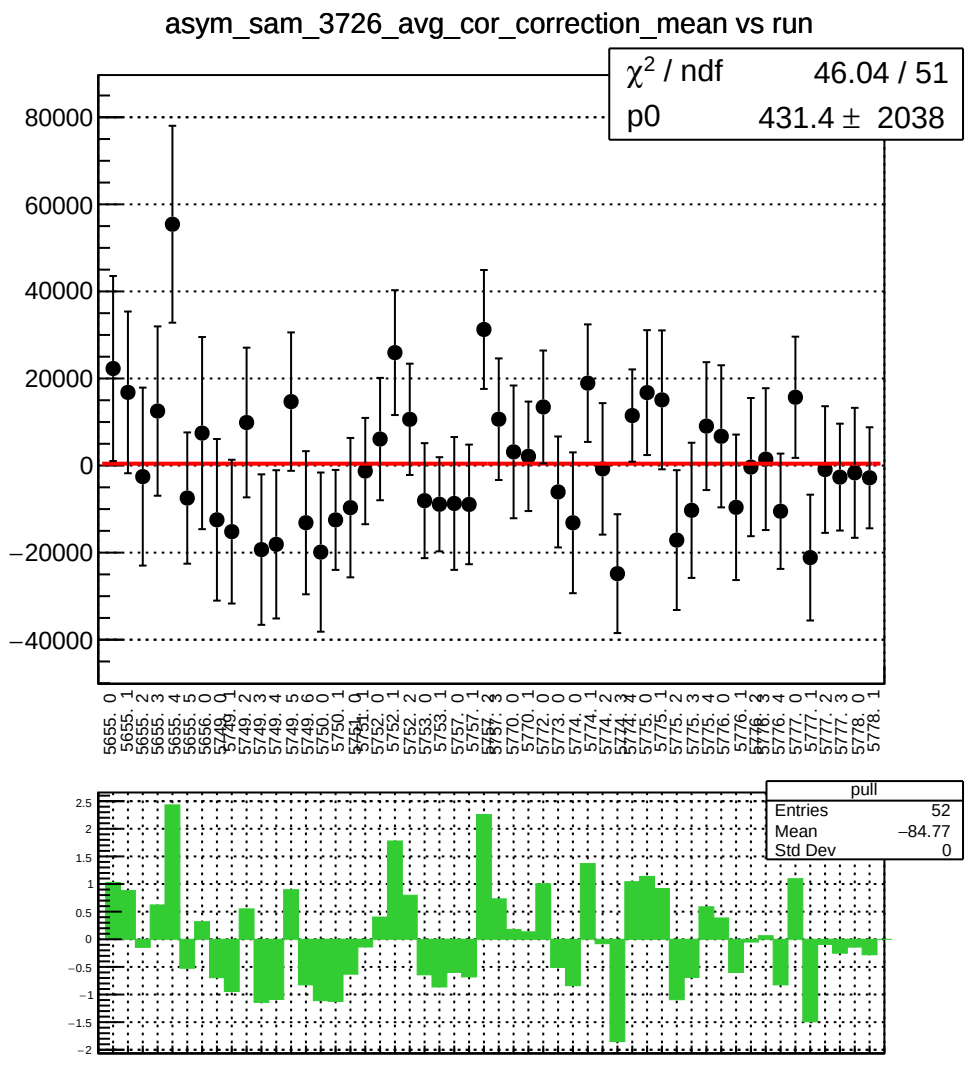
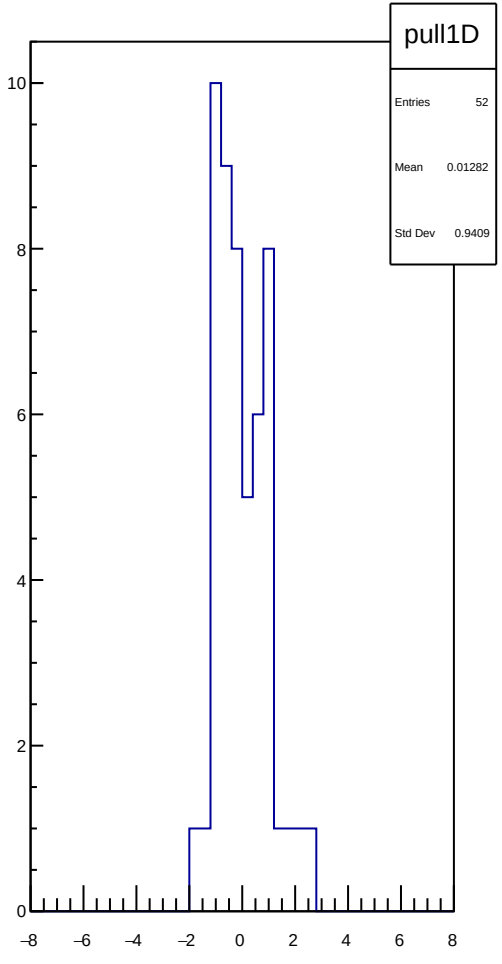
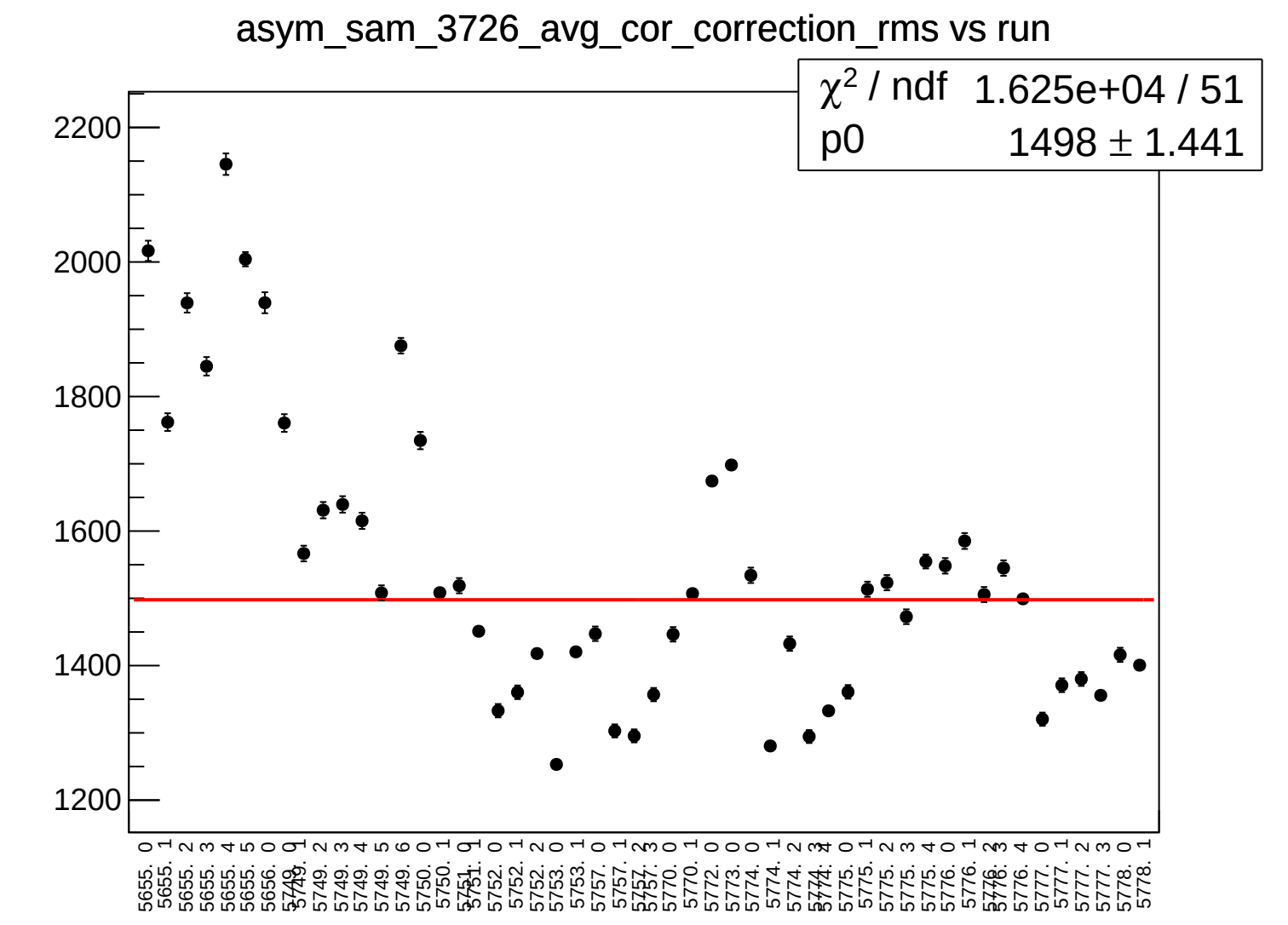
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_3726_avg_cor_correction_mean vs run
χ² / ndf 46.04 / 51
p0 431.4 ± 2038
pull
Entries 52
Mean −84.77
Std Dev 0


pull1D
Entries 52
Mean 0.01282
Std Dev 0.9409


asym_sam_3726_avg_cor_correction_rms vs run
χ² / ndf 1.625e+04 / 51
p0 1498 ± 1.441
2200
2000
1800
1600
1400
1200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5757. 2
5757. 3
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
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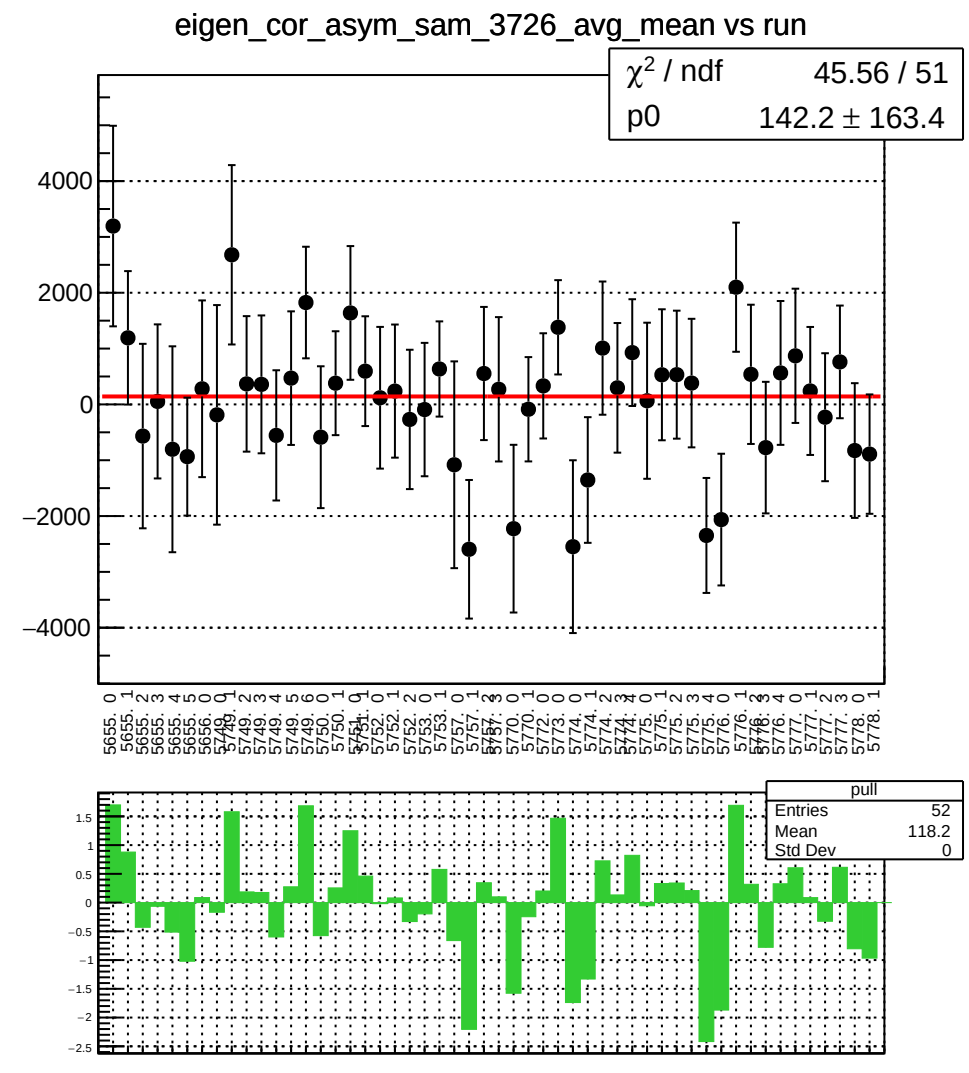
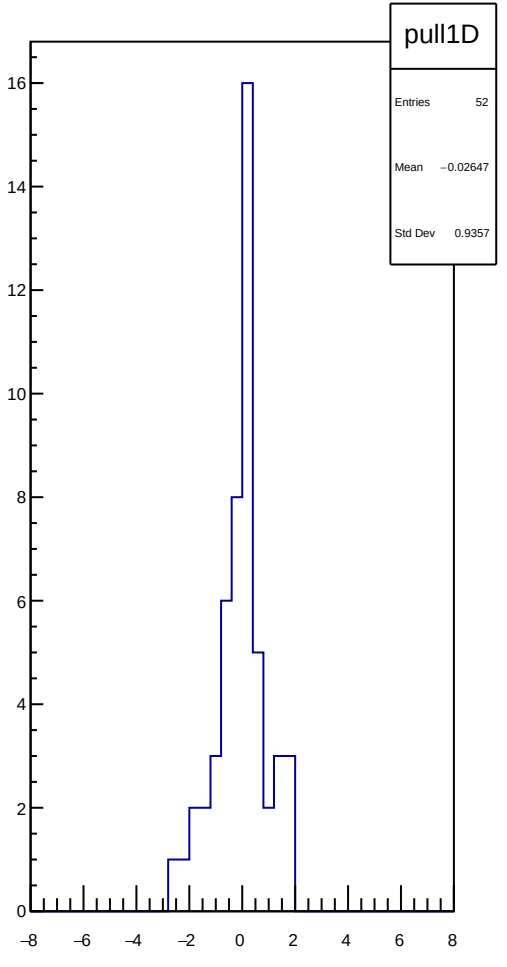
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_sam_3726_avg_mean vs run
χ² / ndf 45.56 / 51
p0 142.2 ± 163.4
4000
2000
0
−2000
−4000
pull
Entries 52
Mean 118.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 52
Mean −0.02647
Std Dev 0.9357
16
14
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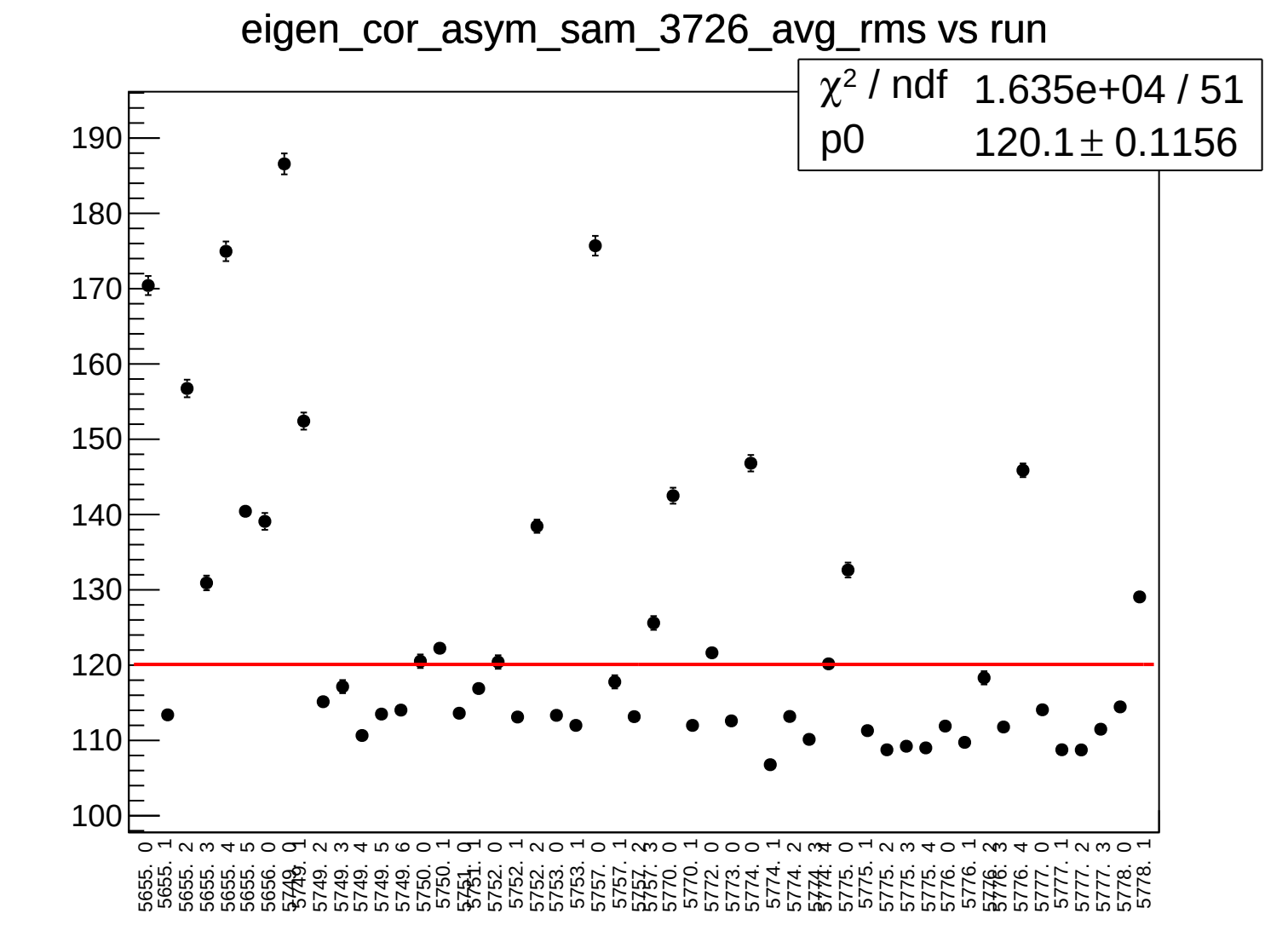
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_3726_avg_rms vs run
χ² / ndf 1.635e+04 / 51
p0 120.1 ± 0.1156
190
180
170
160
150
140
130
120
110
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
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5753. 1
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5757. 3
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5774. 1
5774. 2
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5774. 4
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5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
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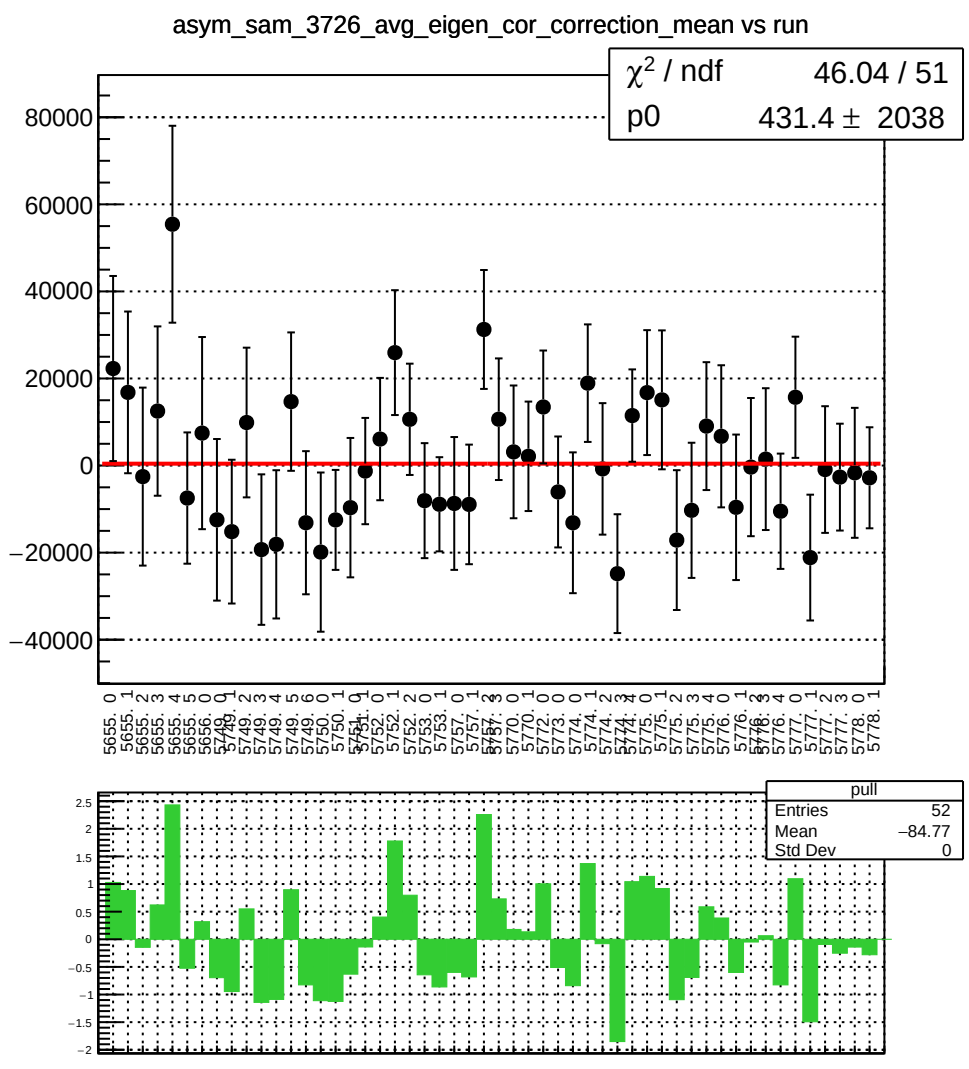
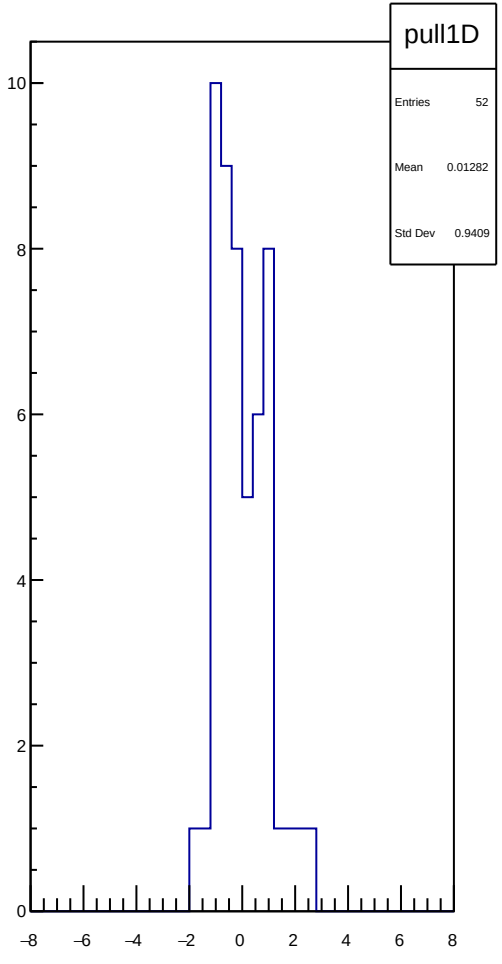
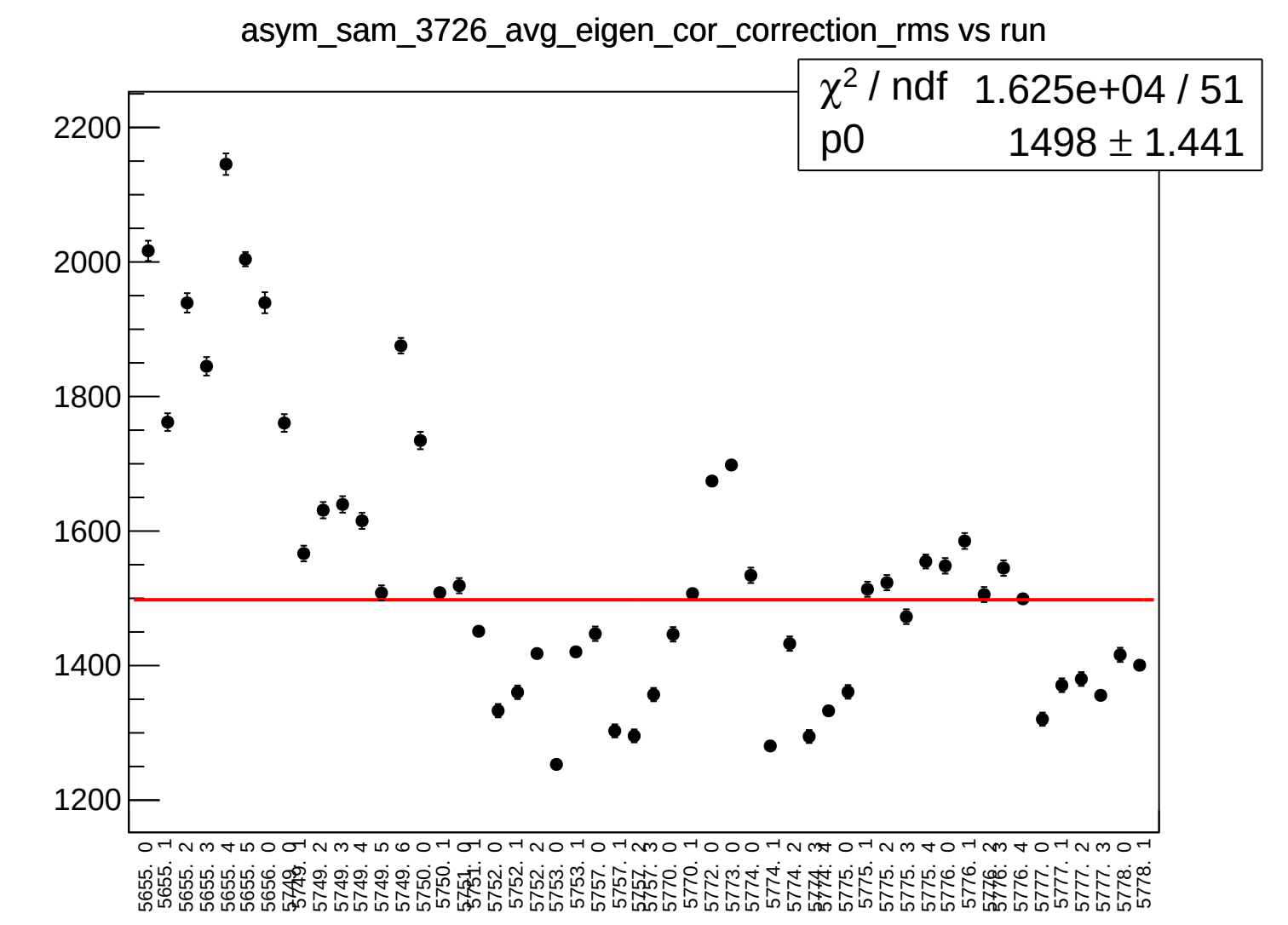
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_3726_avg_eigen_cor_correction_mean vs run
χ² / ndf 46.04 / 51
p0 431.4 ± 2038
pull
Entries 52
Mean −84.77
Std Dev 0


pull1D
Entries 52
Mean 0.01282
Std Dev 0.9409


asym_sam_3726_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.625e+04 / 51
p0 1498 ± 1.441
2200
2000
1800
1600
1400
1200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
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5770. 1
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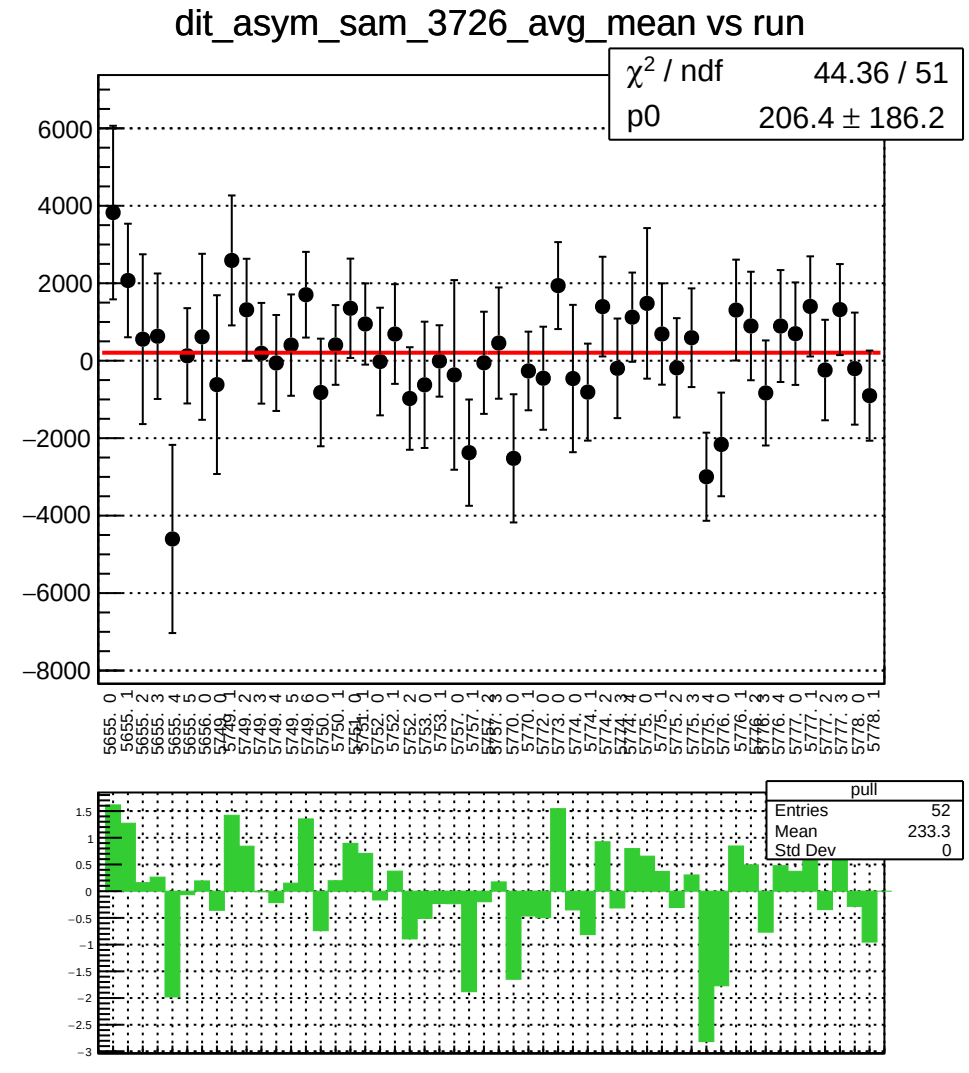
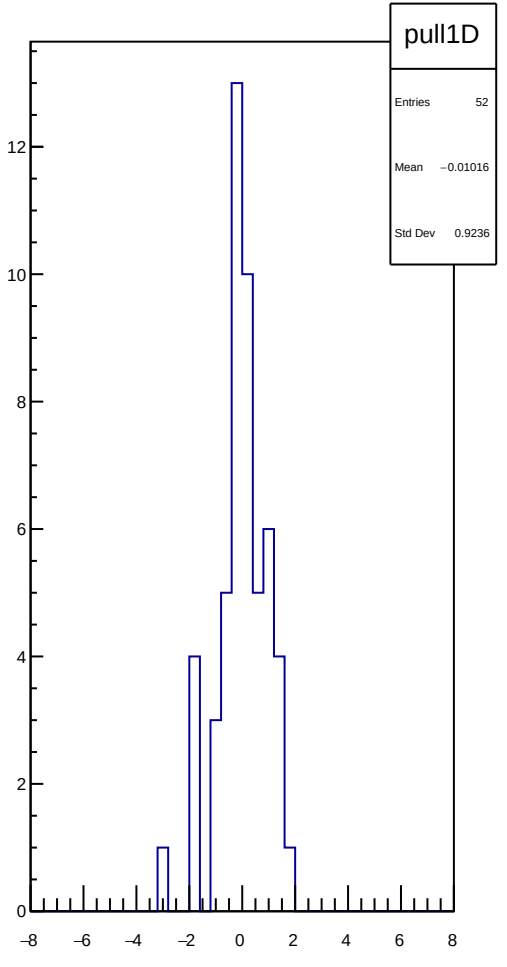
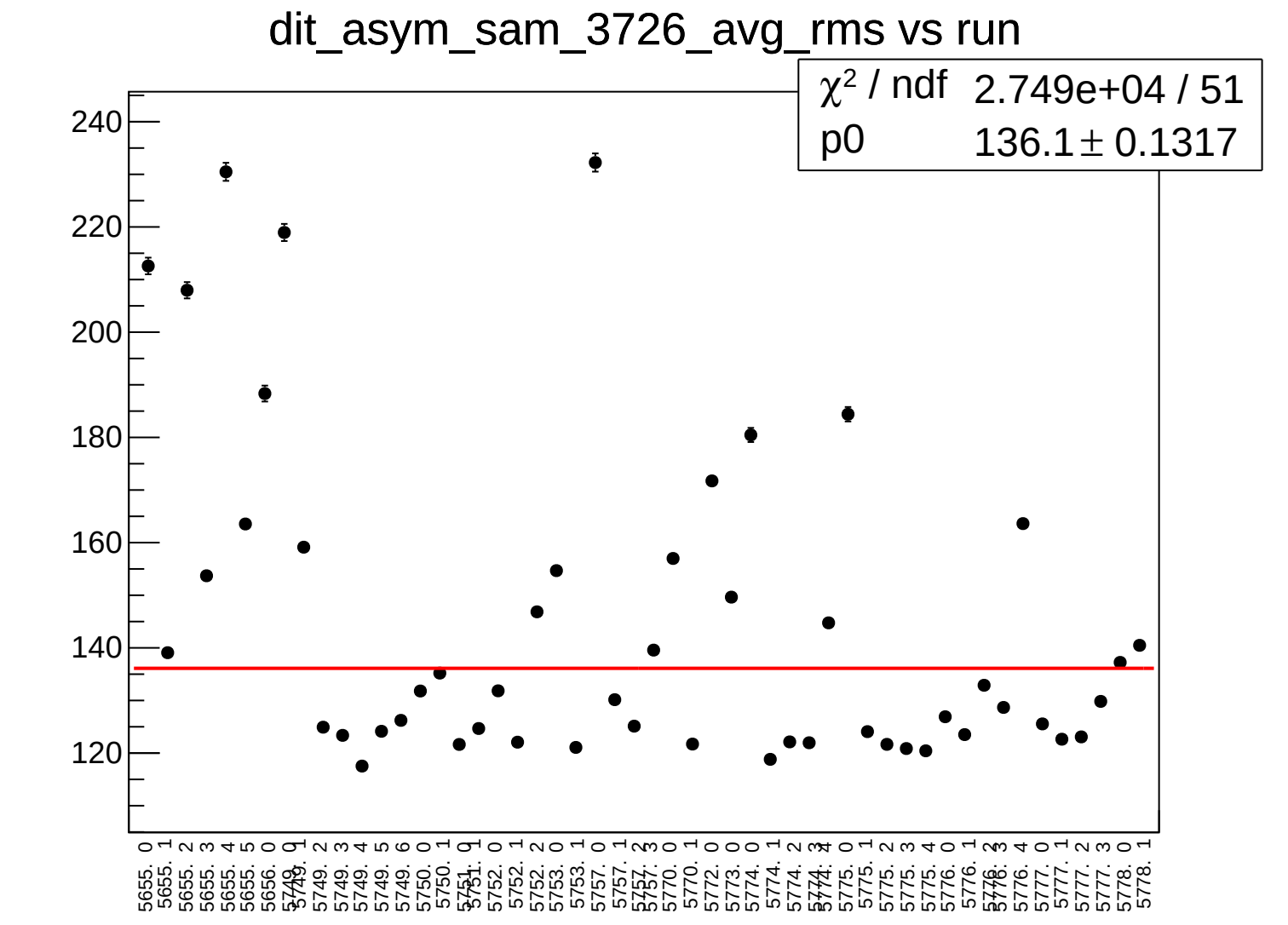

dit_asym_sam_3726_avg_mean vs run
χ^2 / ndf 44.36 / 51
p0 206.4 ± 186.2
pull
Entries 52
Mean 233.3
Std Dev 0


pull1D
Entries 52
Mean −0.01016
Std Dev 0.9236


dit_asym_sam_3726_avg_rms vs run
χ² / ndf 2.749e+04 / 51
p0 136.1 ± 0.1317
240
220
200
180
160
140
120
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
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5753. 0
5753. 1
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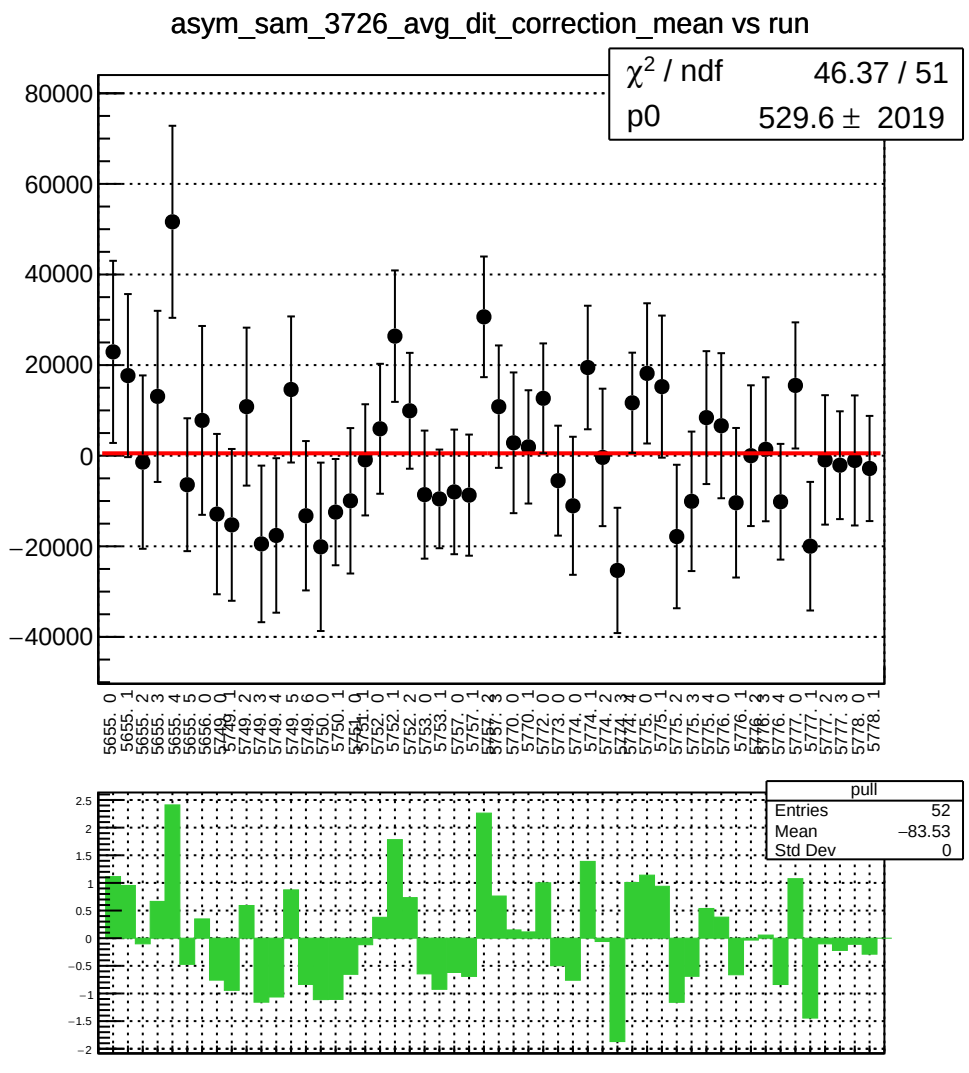
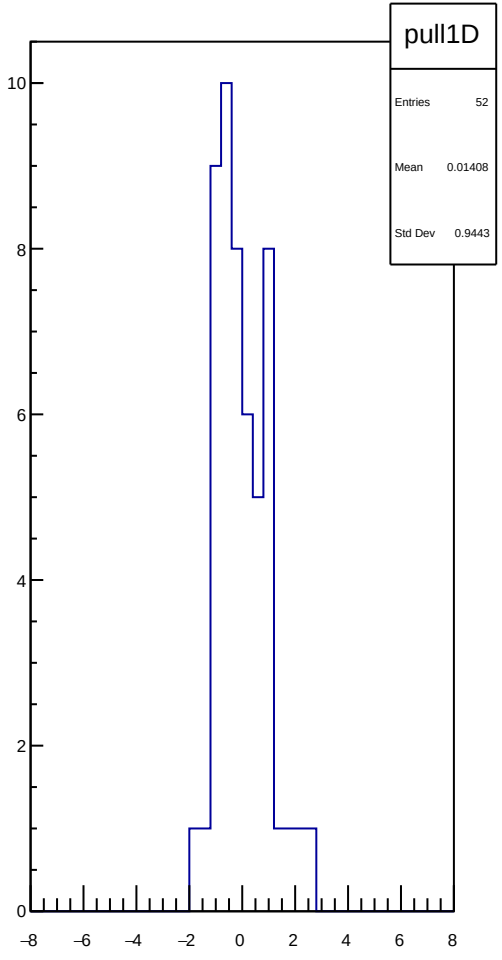
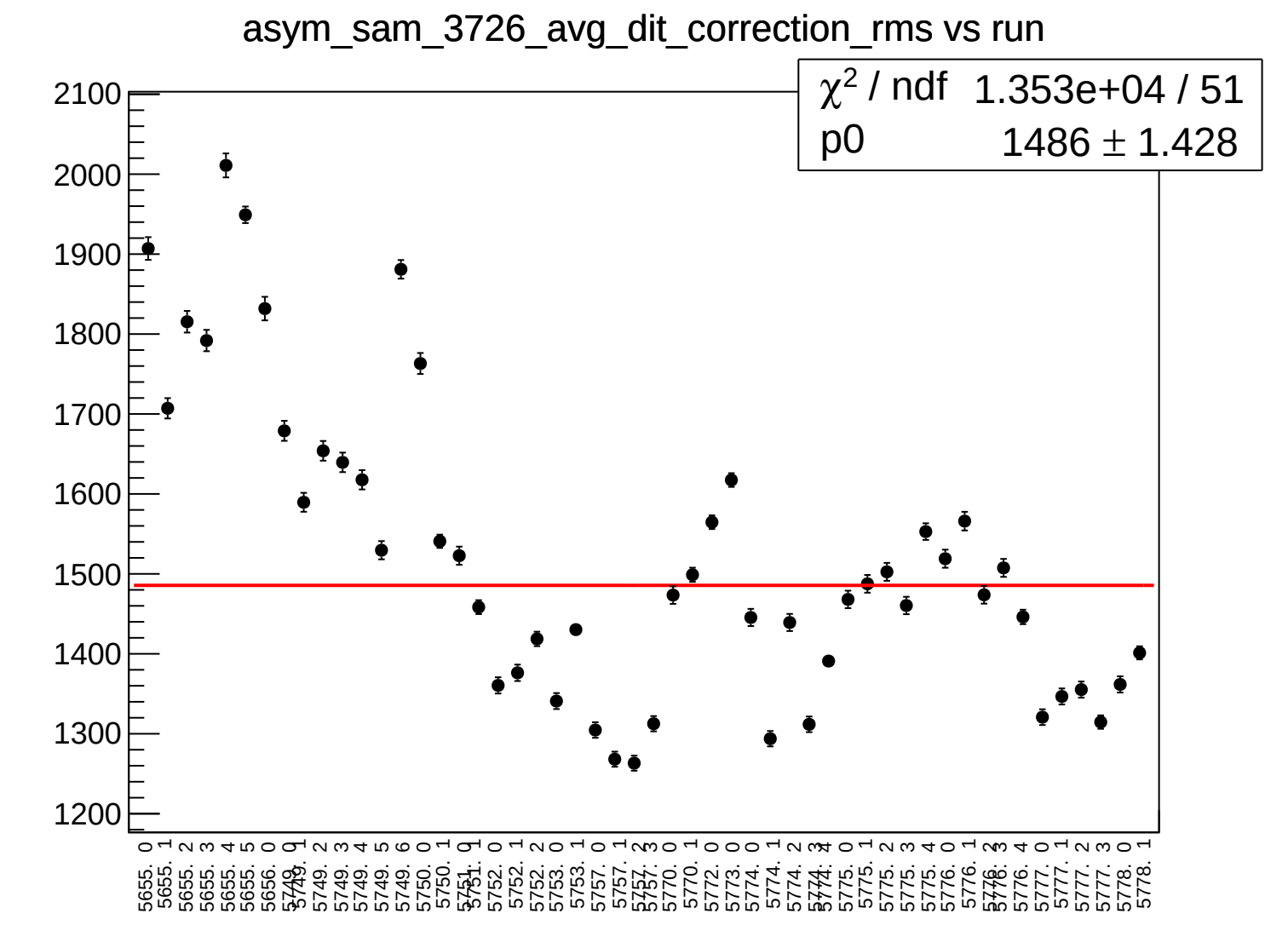

asym_sam_3726_avg_dit_correction_mean vs run
χ² / ndf 46.37 / 51
p0 529.6 ± 2019
pull
Entries 52
Mean −83.53
Std Dev 0


pull1D
Entries 52
Mean 0.01408
Std Dev 0.9443


asym_sam_3726_avg_dit_correction_rms vs run
χ² / ndf 1.353e+04 / 51
p0 1486 ± 1.428
2100
2000
1900
1800
1700
1600
1500
1400
1300
1200
5655. 0
5655. 1
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5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
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5749. 4
5749. 5
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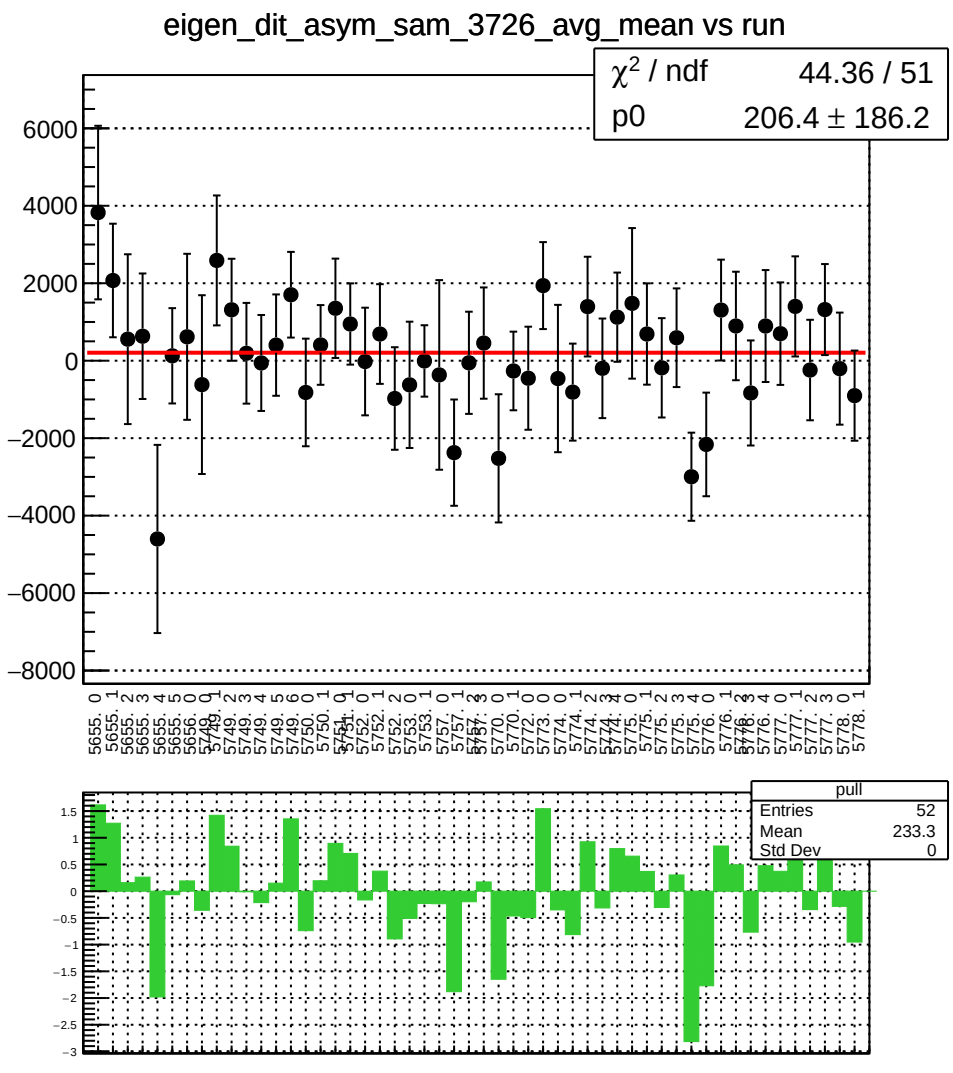
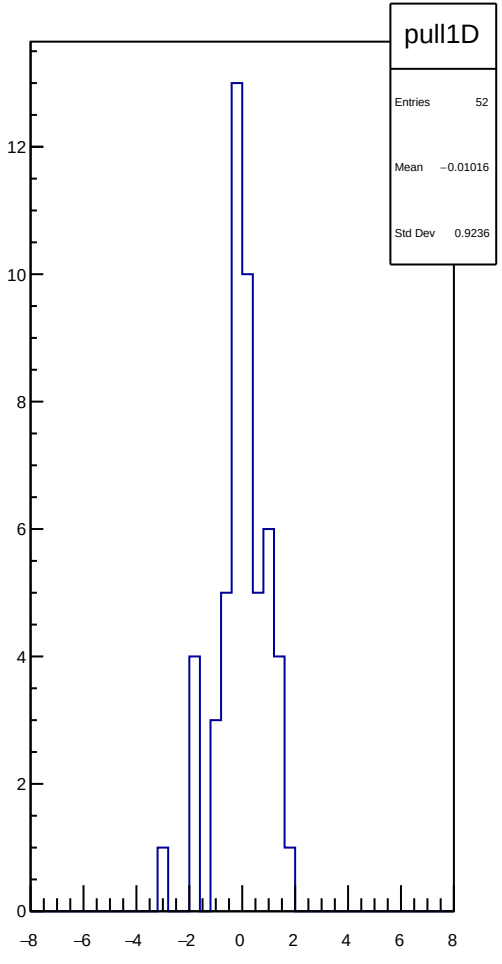
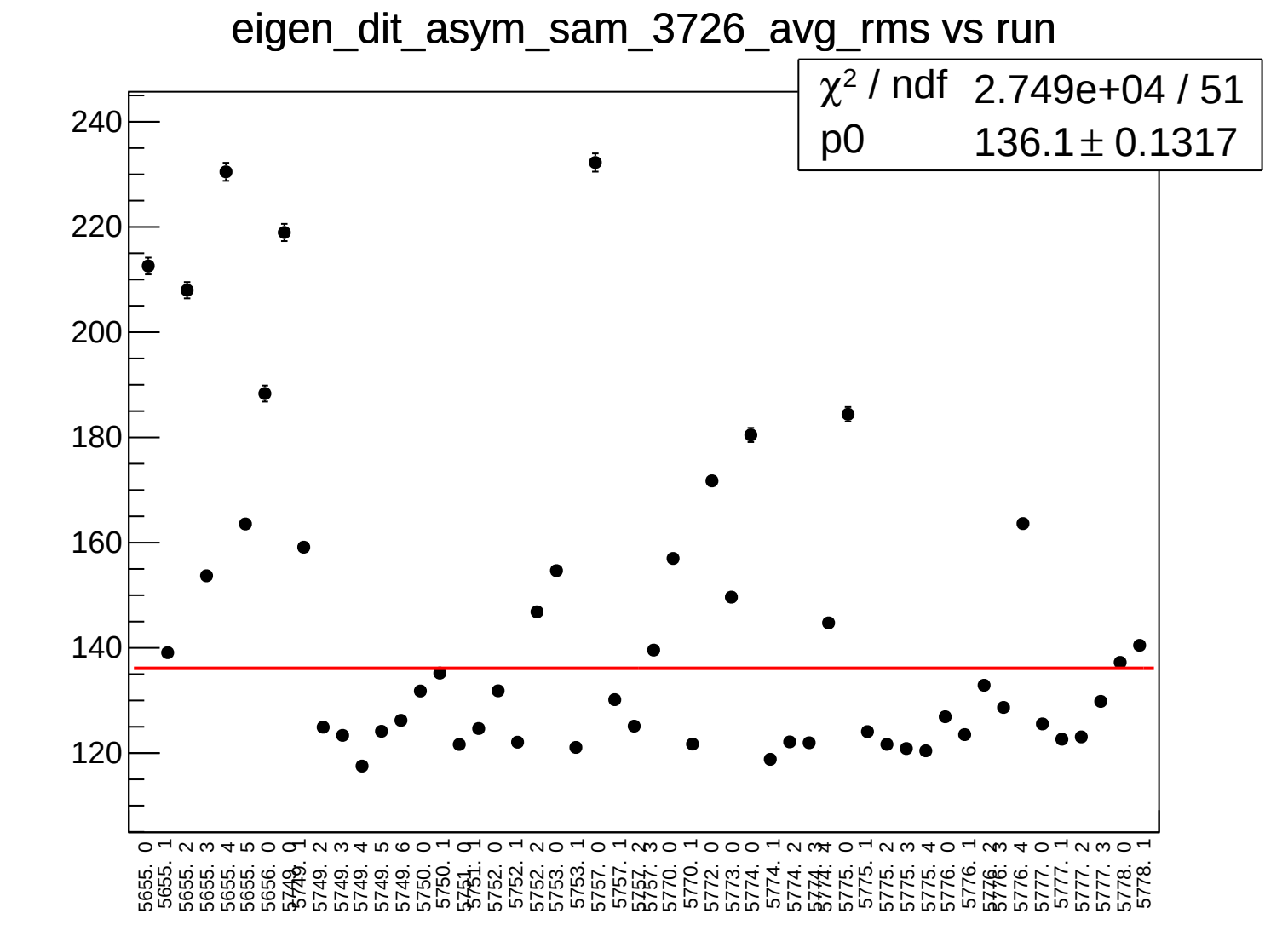

eigen_dit_asym_sam_3726_avg_mean vs run
χ² / ndf 44.36 / 51
p0 206.4 ± 186.2
pull
Entries 52
Mean 233.3
Std Dev 0


pull1D
Entries 52
Mean −0.01016
Std Dev 0.9236


eigen_dit_asym_sam_3726_avg_rms vs run
χ² / ndf 2.749e+04 / 51
p0 136.1 ± 0.1317
240
220
200
180
160
140
120
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5750. 0
5750. 1
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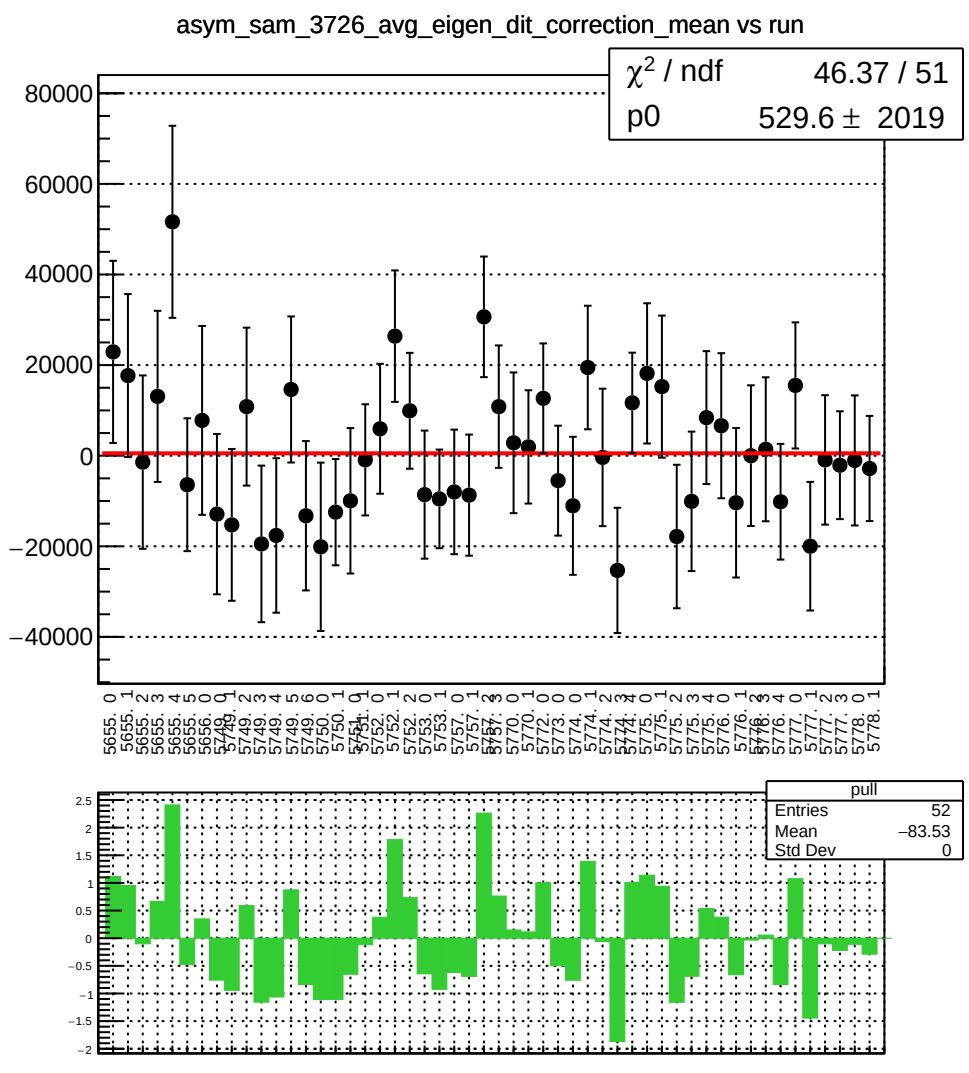
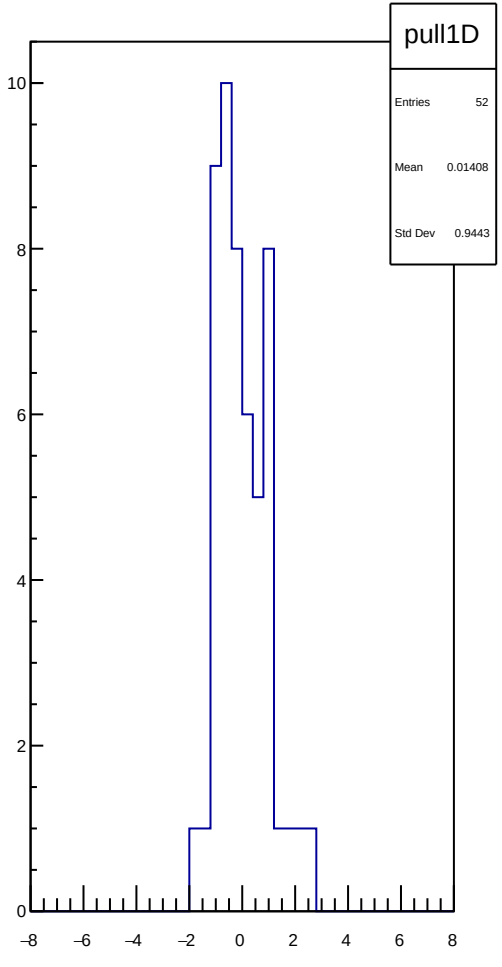
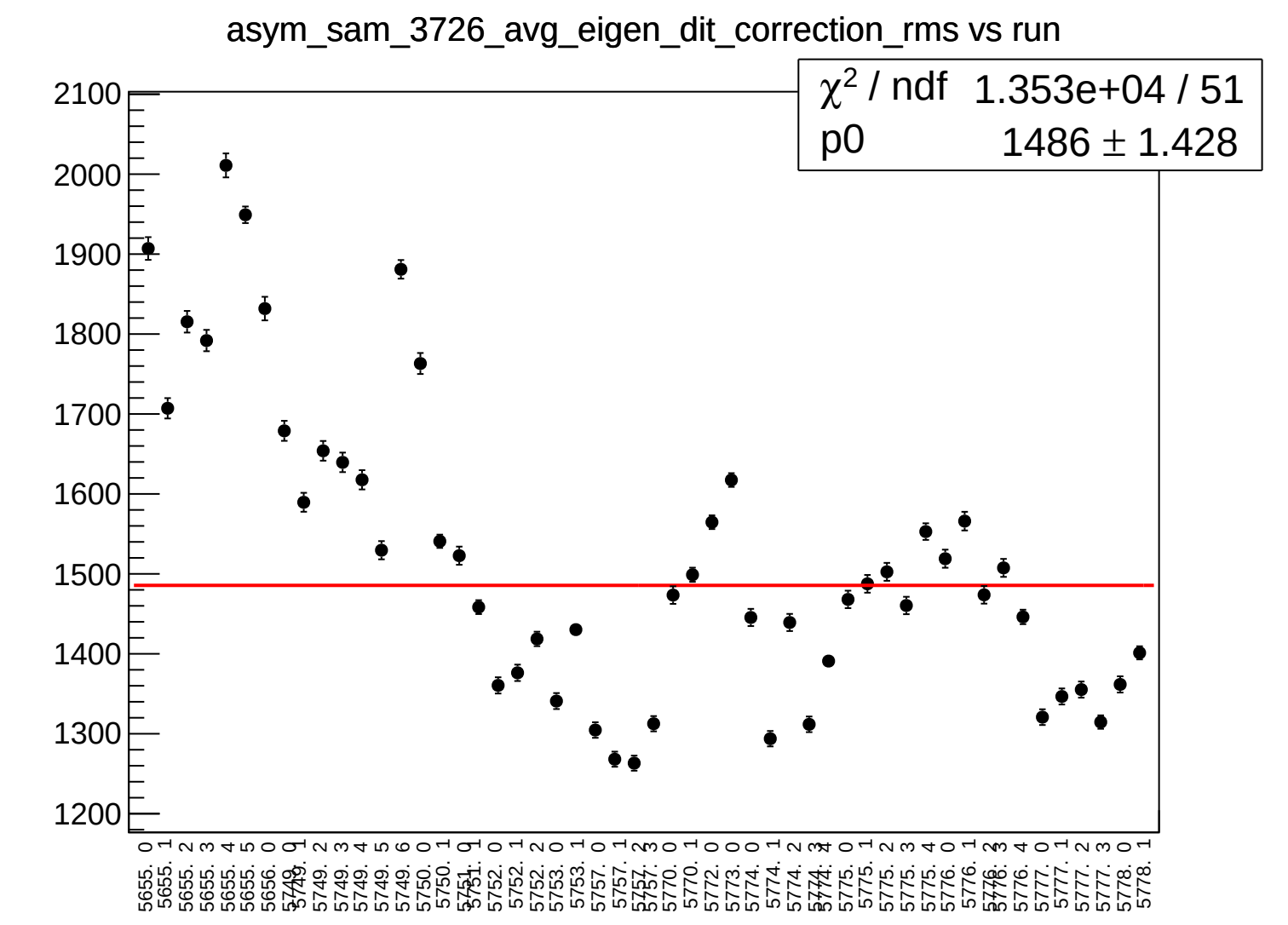
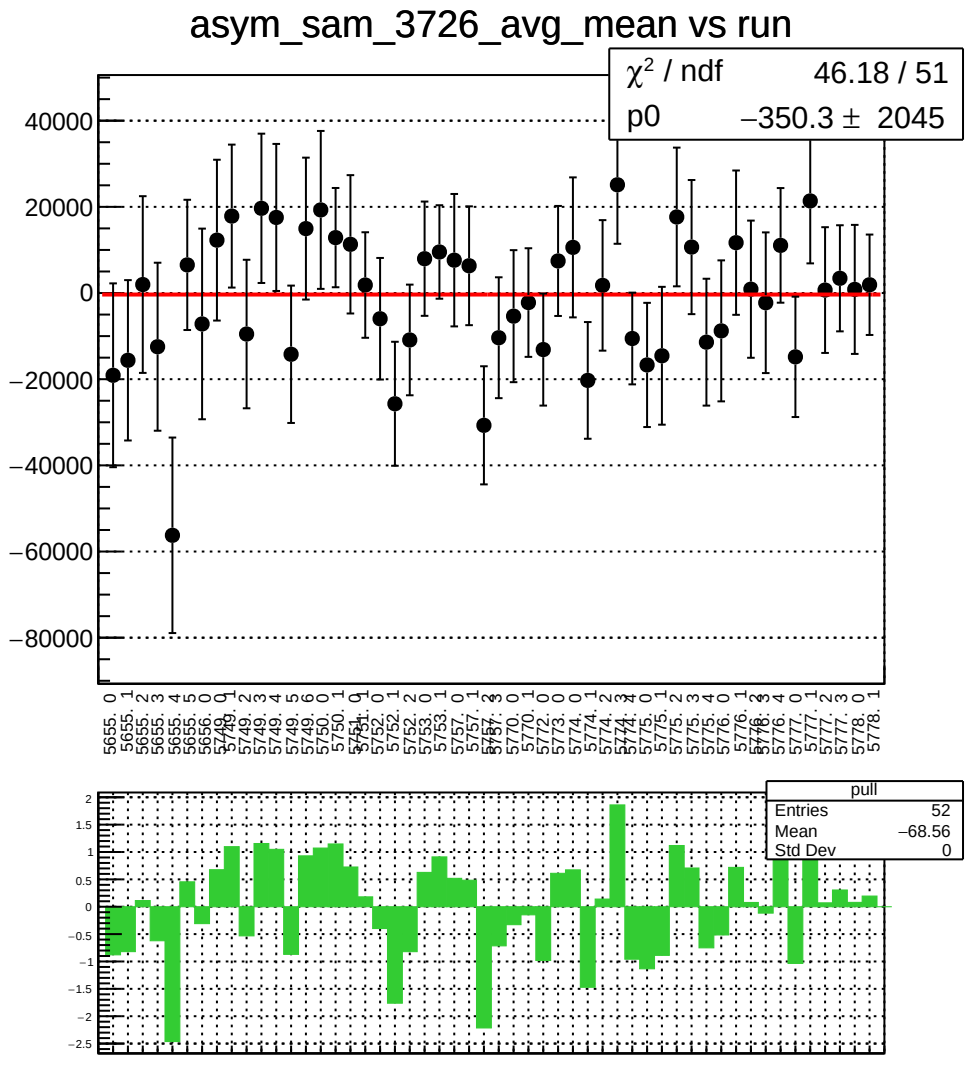
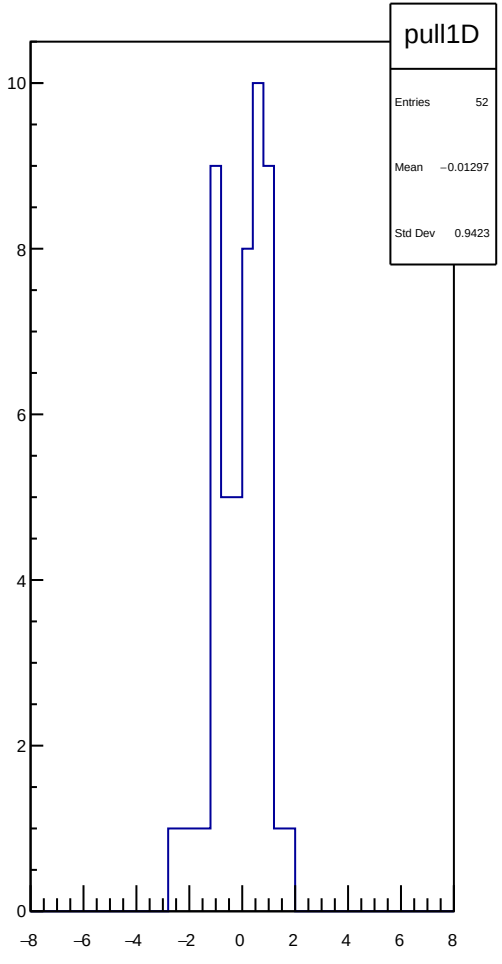
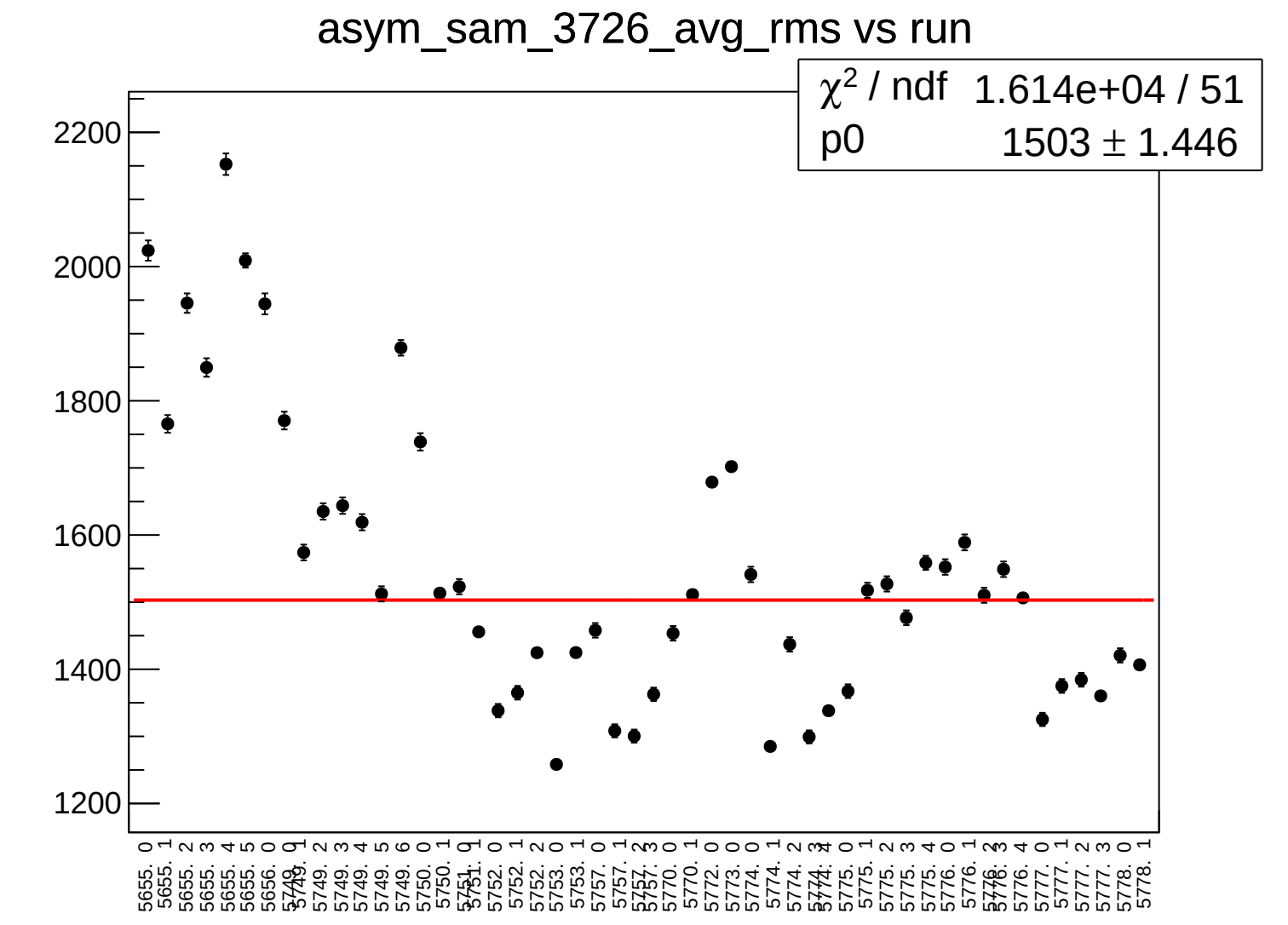

asym_sam_3726_avg_eigen_dit_correction_mean vs run
χ² / ndf 46.37 / 51
p0 529.6 ± 2019
pull
Entries 52
Mean −83.53
Std Dev 0

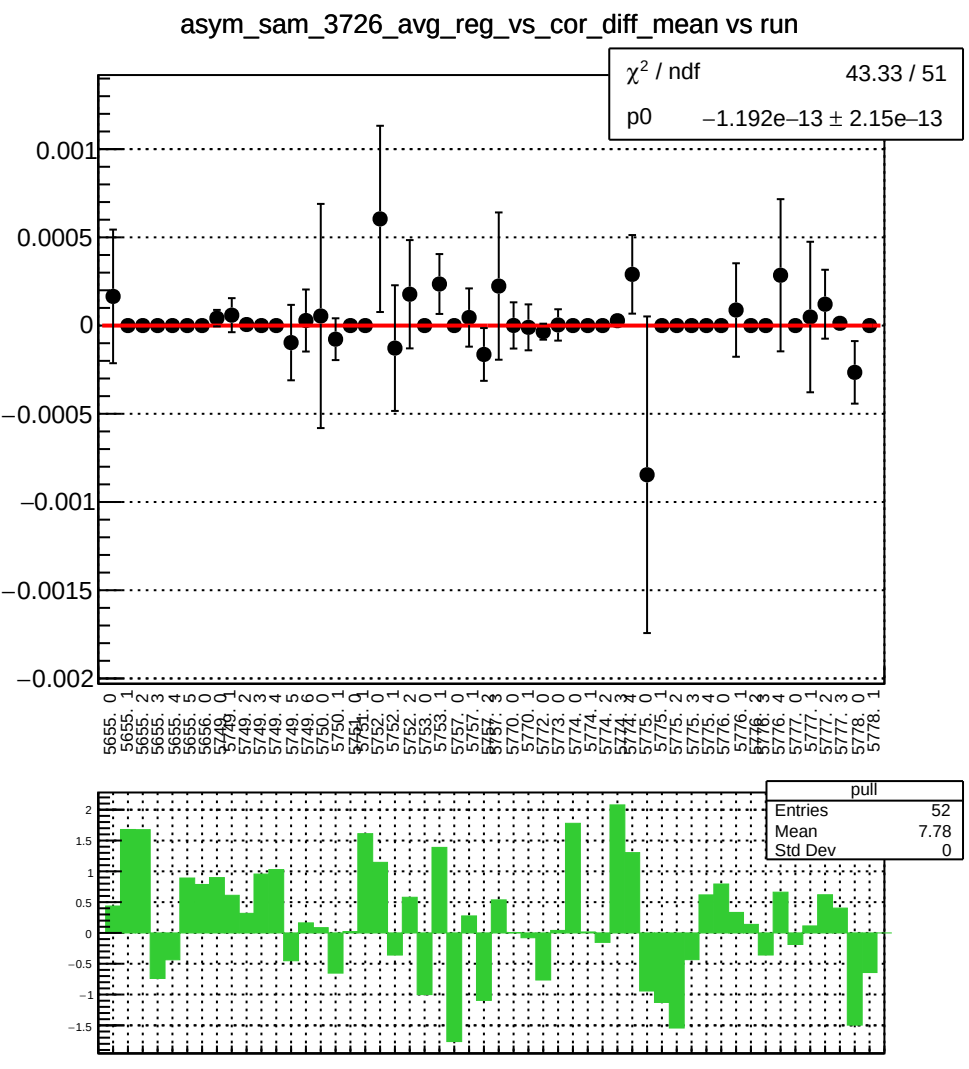

pull1D
Entries 52
Mean 0.01408
Std Dev 0.9443

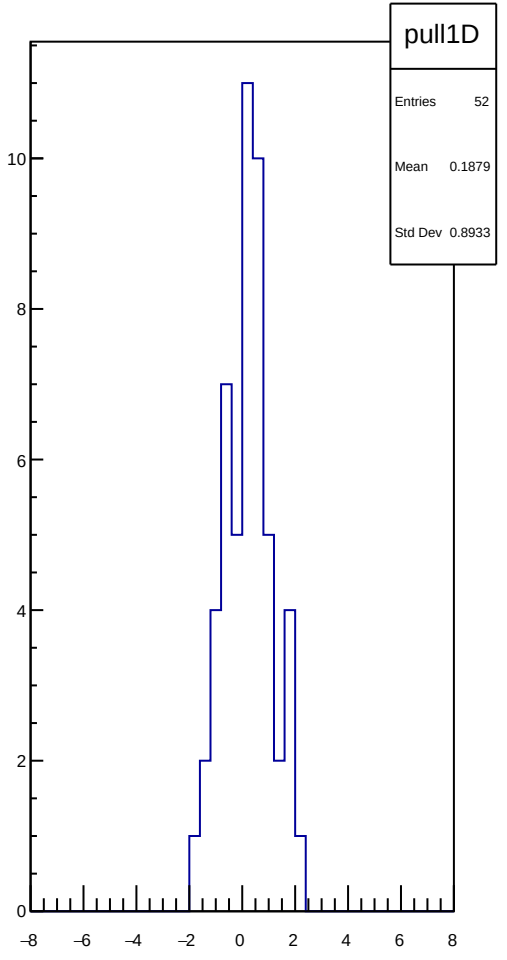

asym_sam_3726_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.353e+04 / 51
p0 1486 ± 1.428
2100
2000
1900
1800
1700
1600
1500
1400
1300
1200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

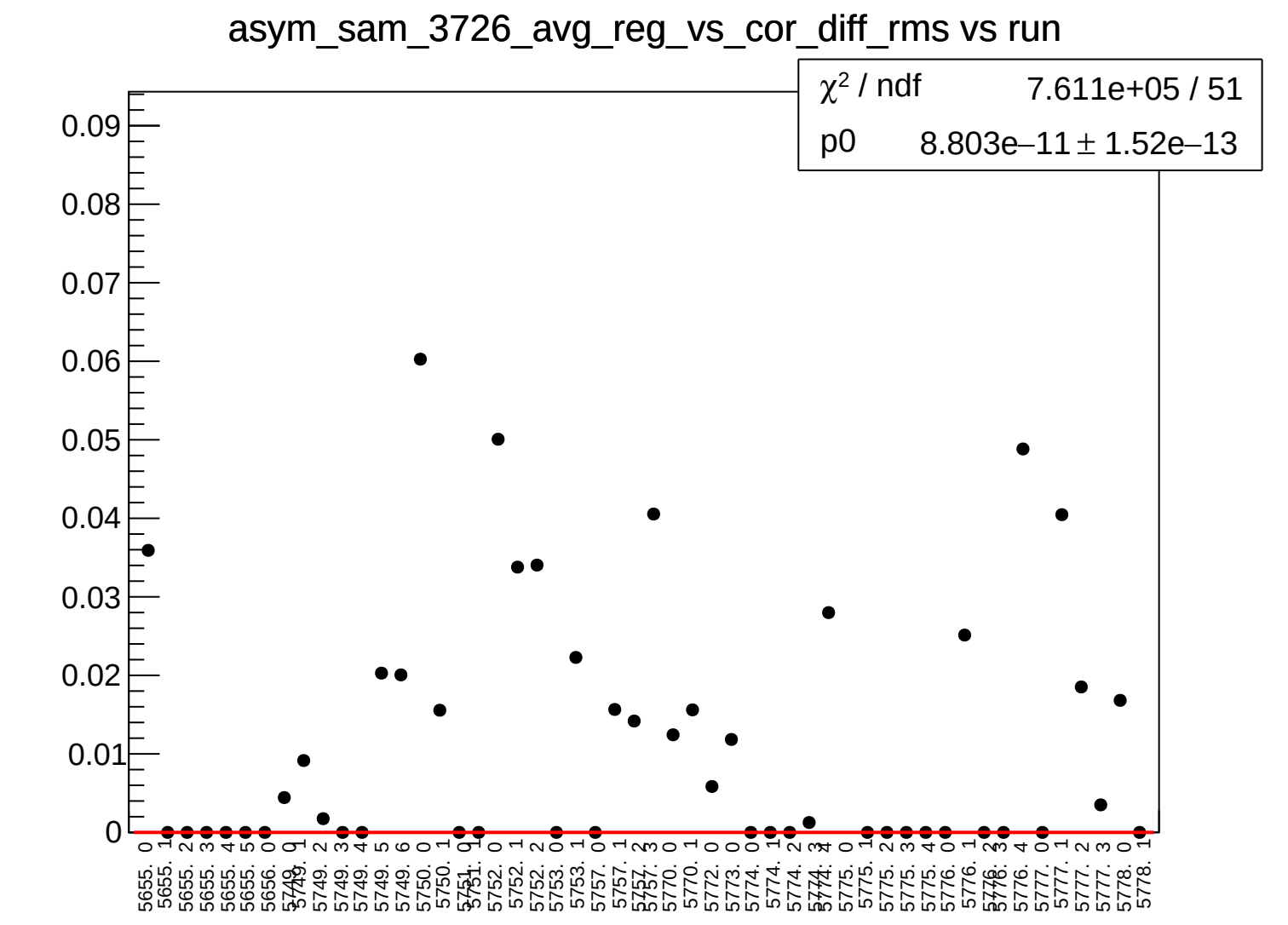

asym_sam_3726_avg_mean vs run
χ² / ndf 46.18 / 51
p0 −350.3 ± 2045
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean −68.56
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

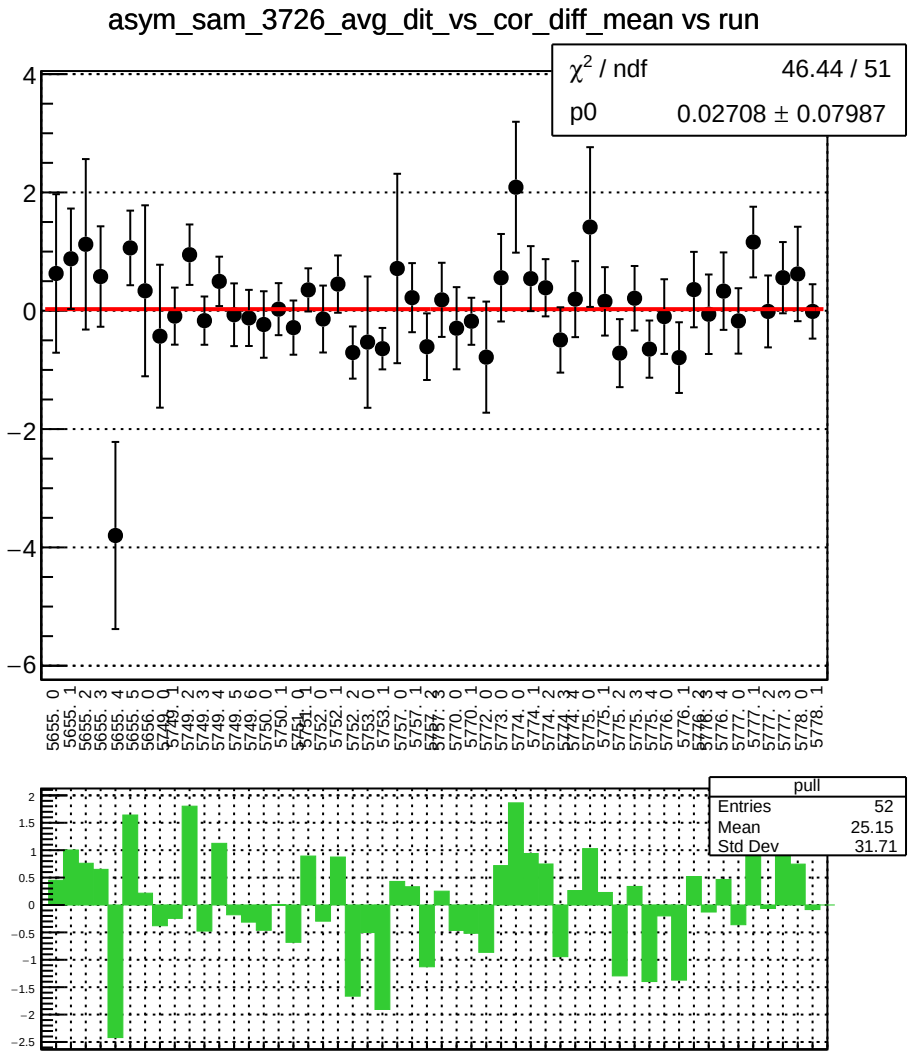

pull1D
Entries 52
Mean −0.01297
Std Dev 0.9423
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

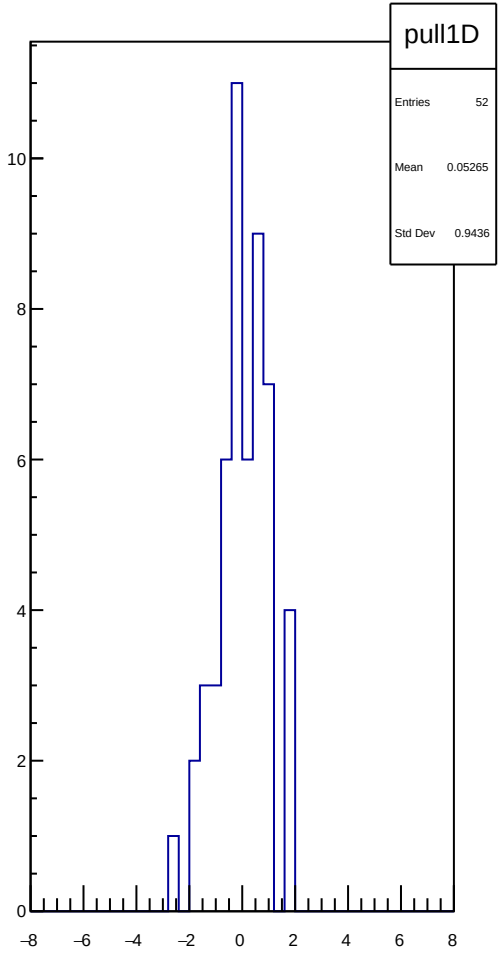

asym_sam_3726_avg_rms vs run
χ² / ndf 1.614e+04 / 51
p0 1503 ± 1.446
2200
2000
1800
1600
1400
1200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

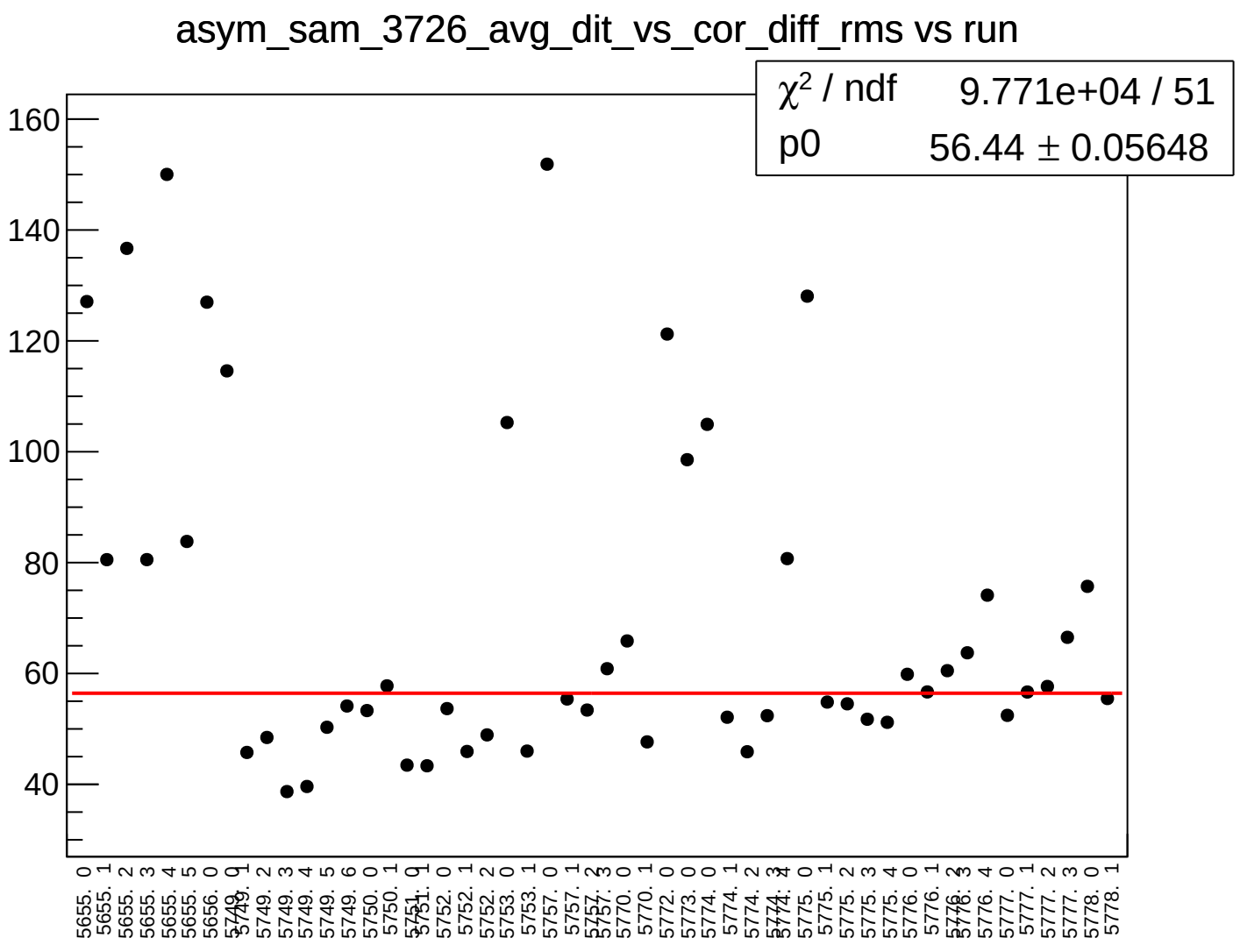

asym_sam_3726_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 43.33 / 51
p0 −1.192e−13 ± 2.15e−13
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
pull
Entries 52
Mean 7.78
Std Dev 0

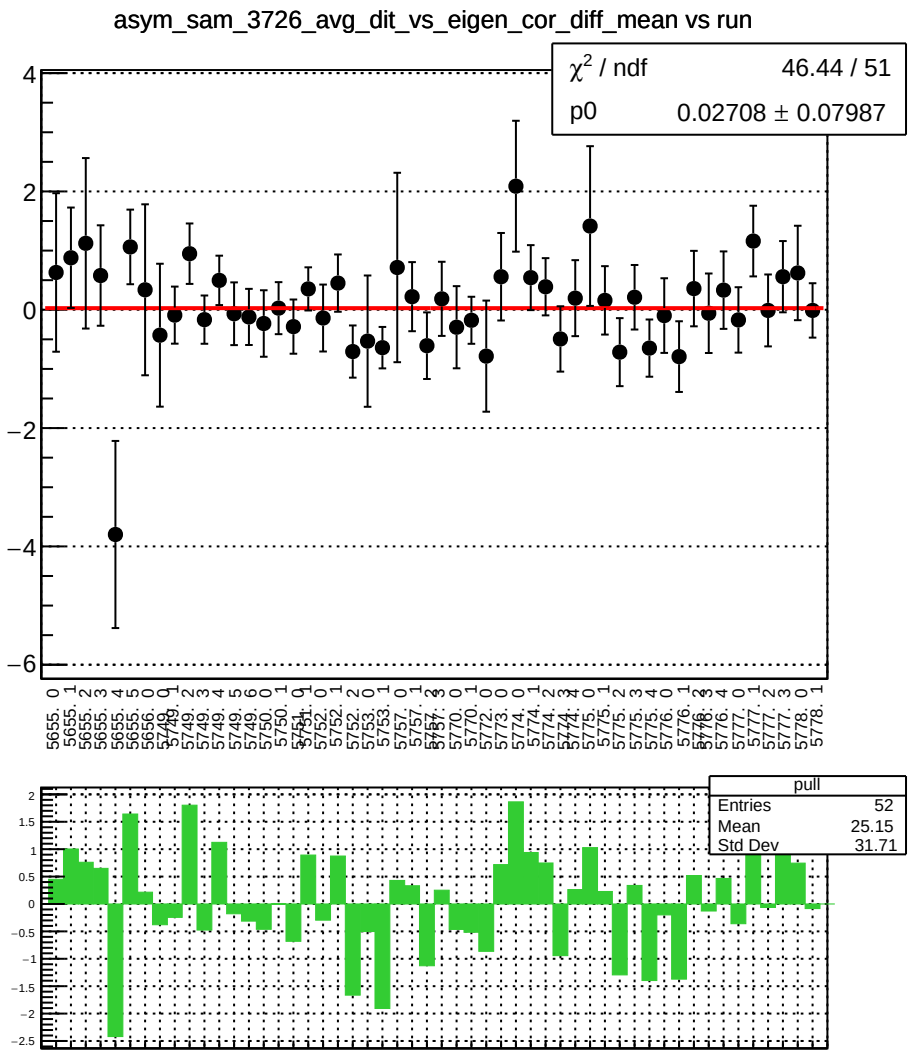

pull1D
Entries 52
Mean 0.1879
Std Dev 0.8933
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

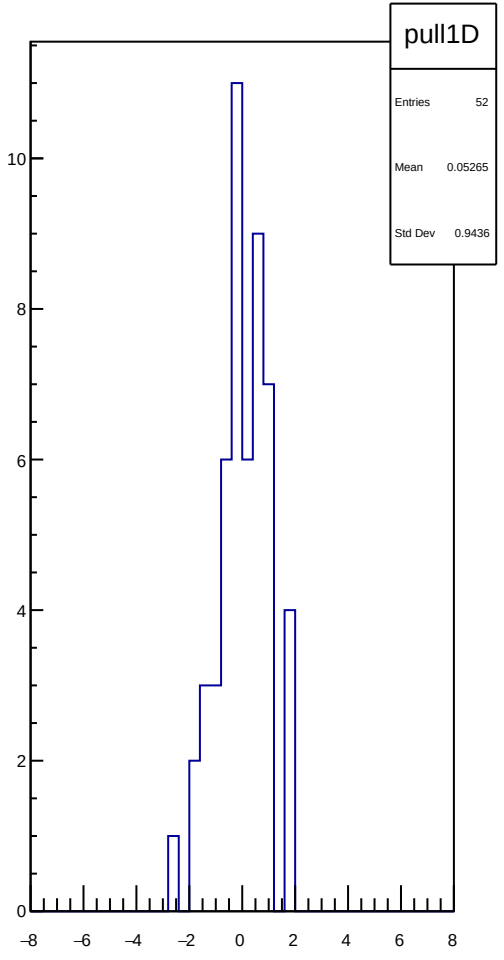

asym_sam_3726_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.611e+05 / 51
p0 8.803e−11 ± 1.52e−13
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

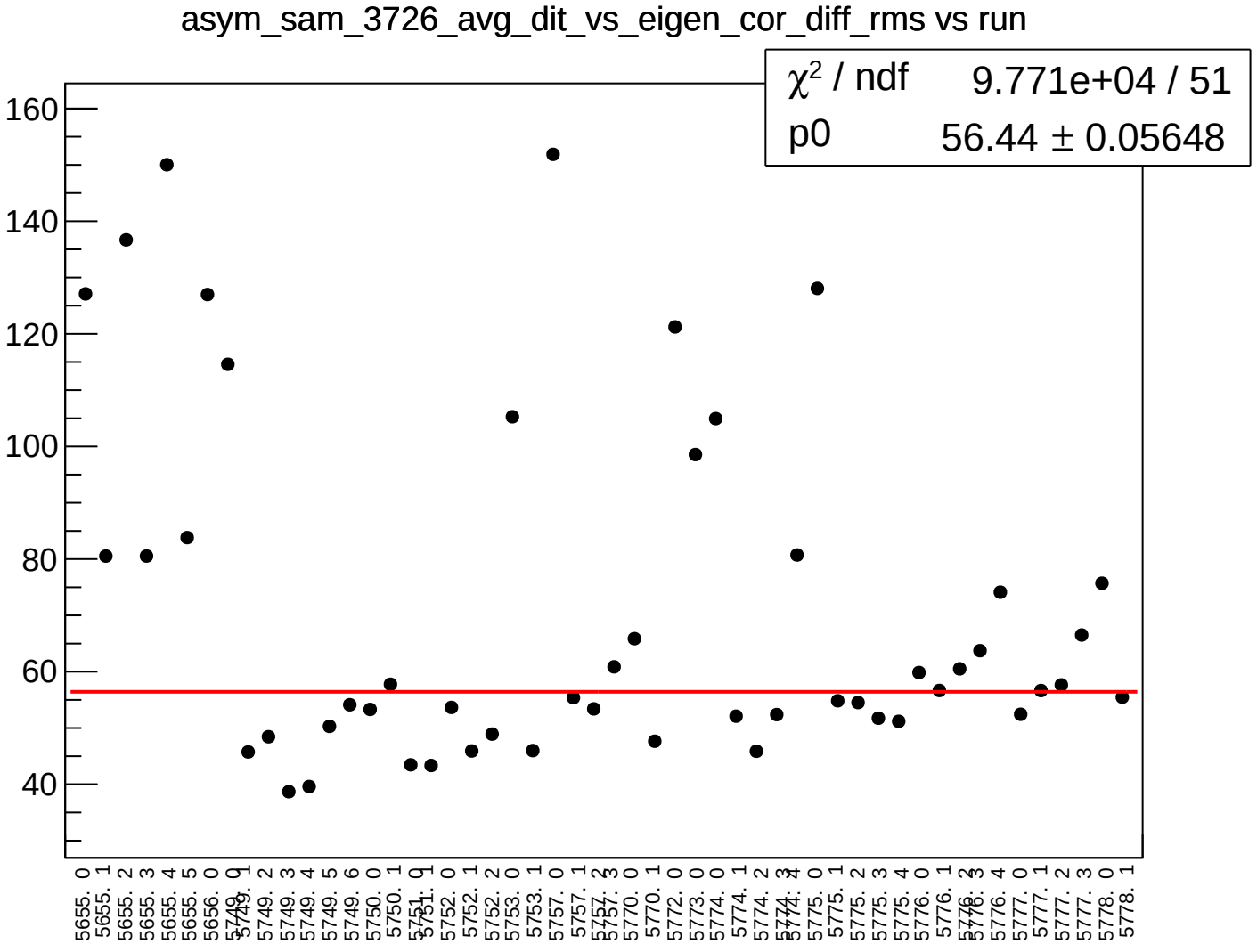

asym_sam_3726_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 46.44 / 51
p0 0.02708 ± 0.07987
pull
Entries 52
Mean 25.15
Std Dev 31.71

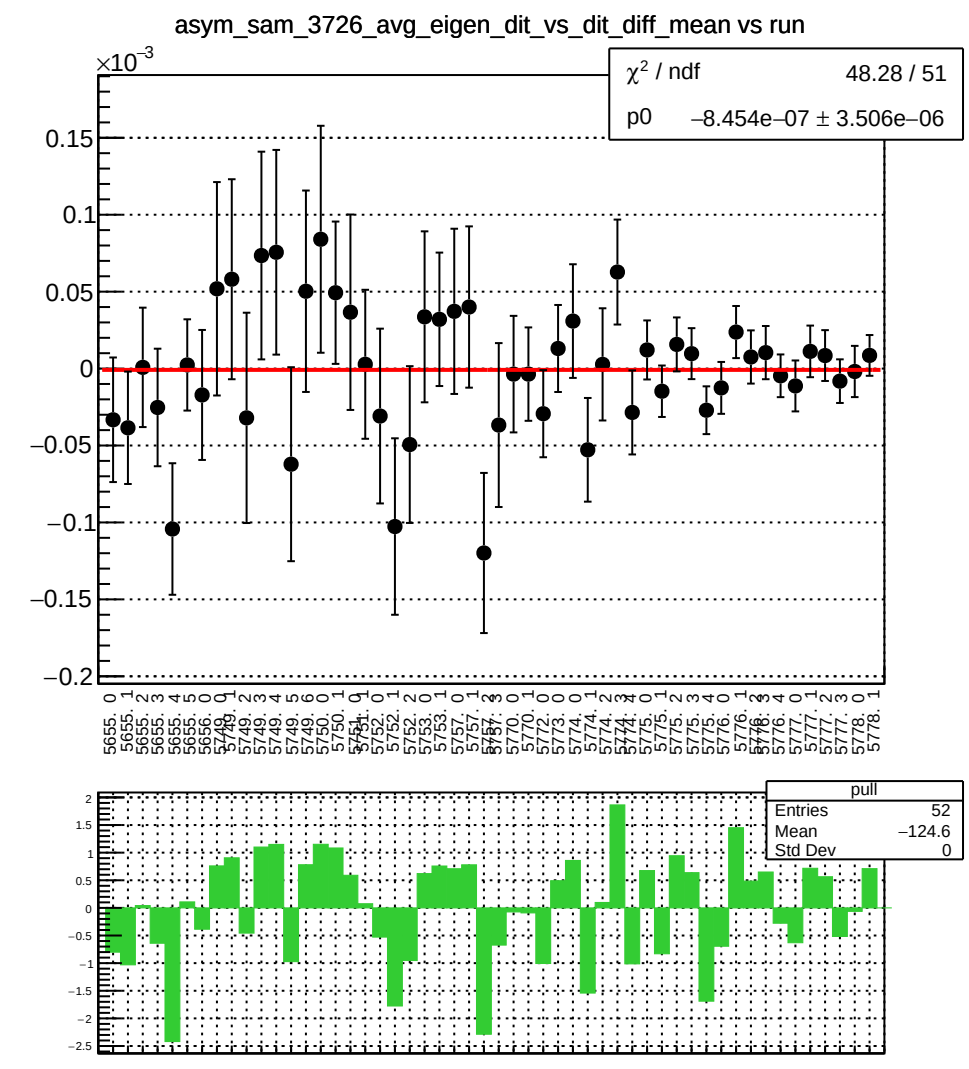

pull1D
Entries 52
Mean 0.05265
Std Dev 0.9436

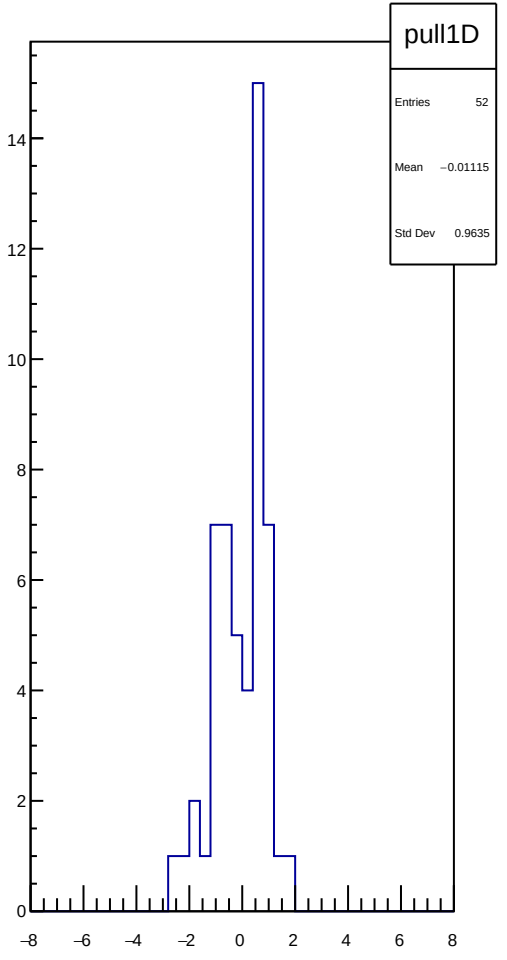

asym_sam_3726_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 9.771e+04 / 51
p0 56.44 ± 0.05648
160
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

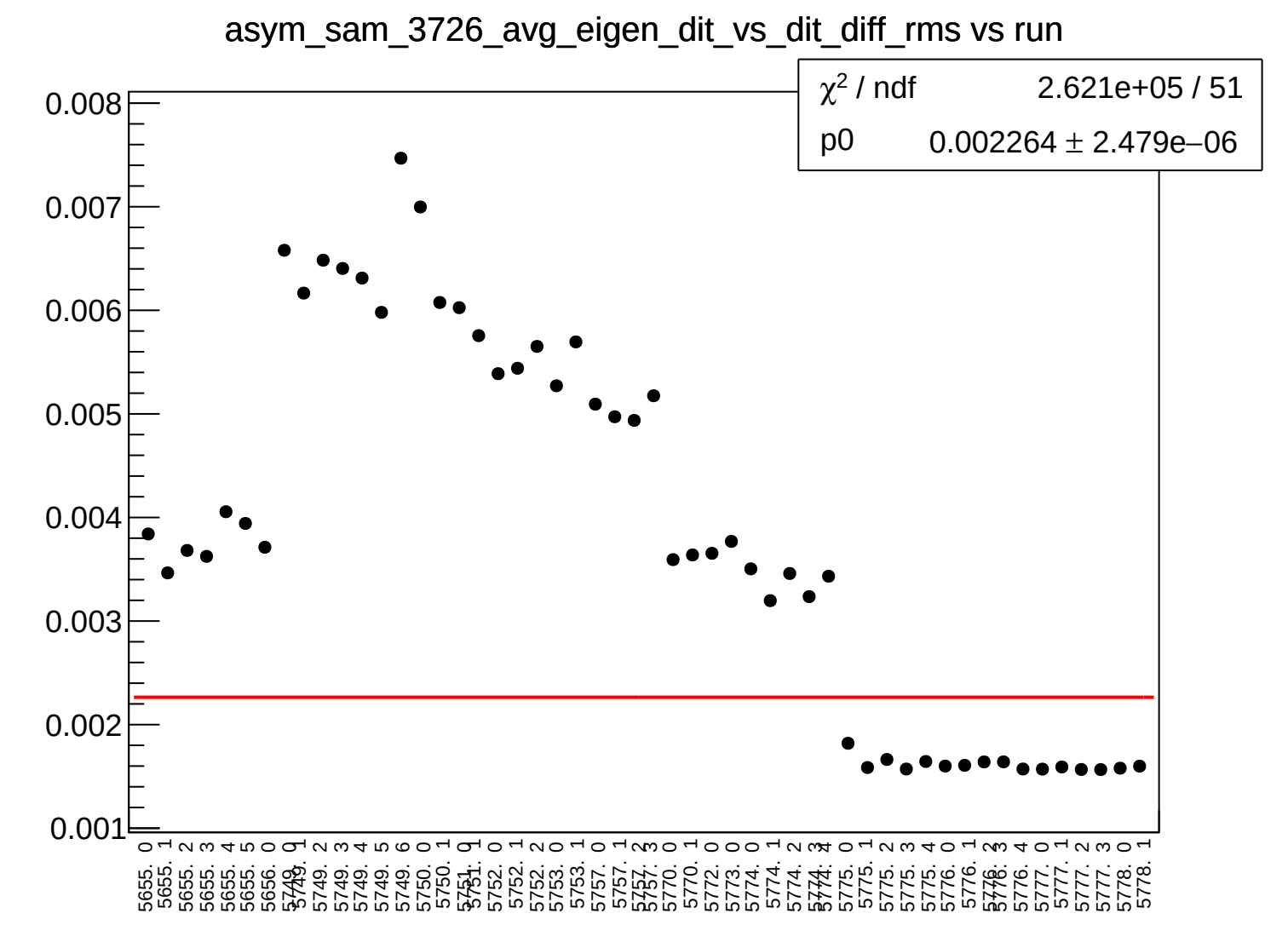

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.44 / 51
p0 0.02708 ± 0.07987
pull
Entries 52
Mean 25.15
Std Dev 31.71

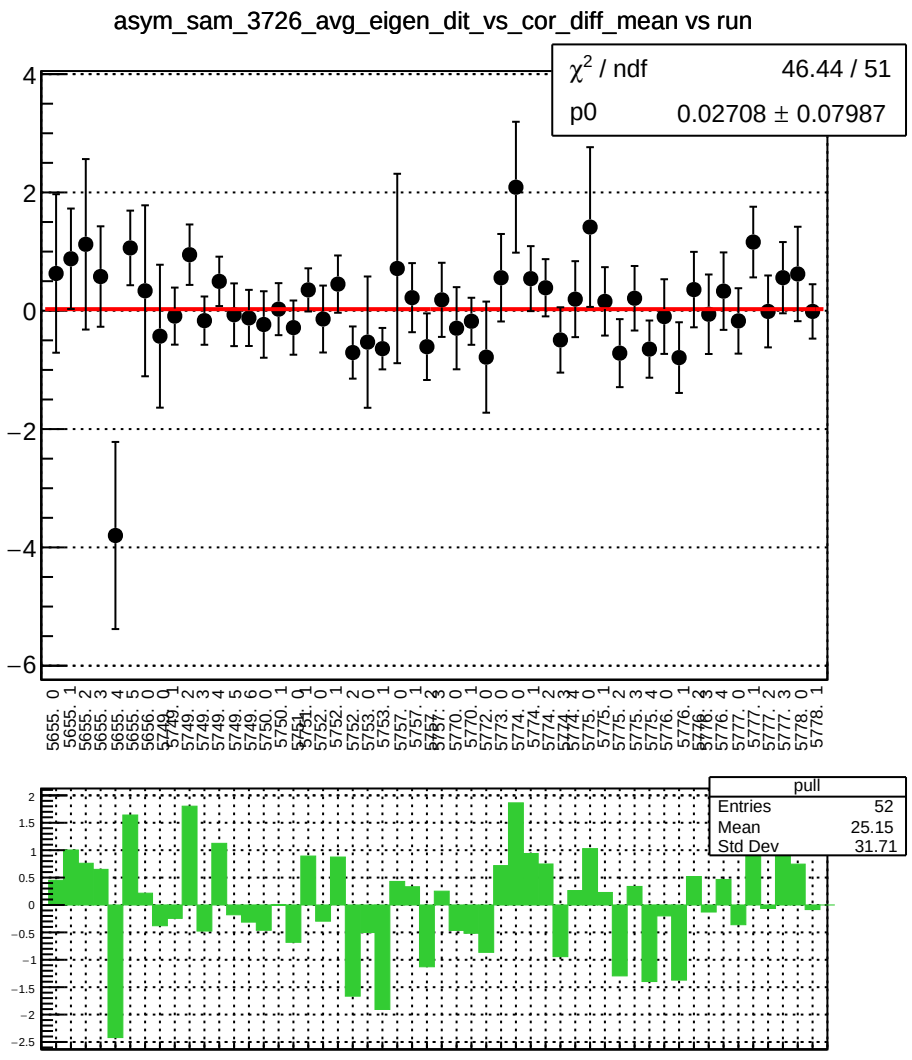

pull1D
Entries 52
Mean 0.05265
Std Dev 0.9436

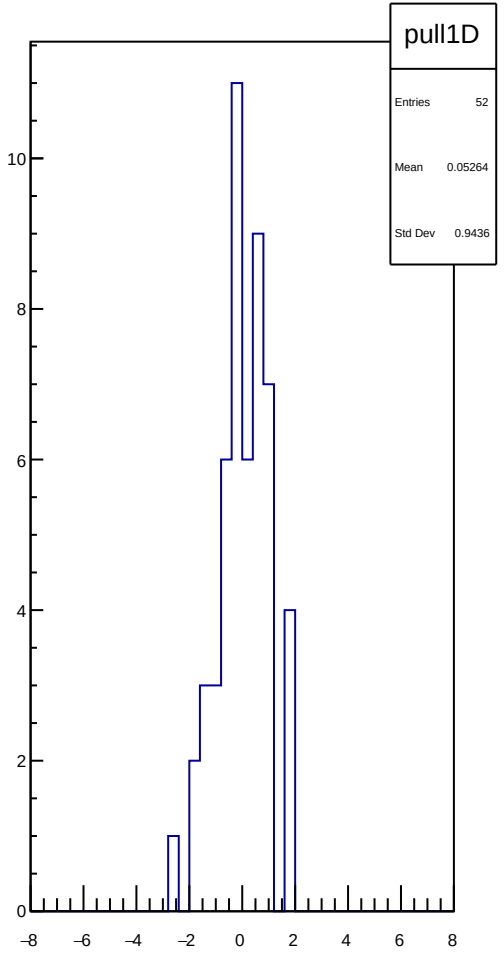

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.771e+04 / 51
p0 56.44 ± 0.05648
160
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

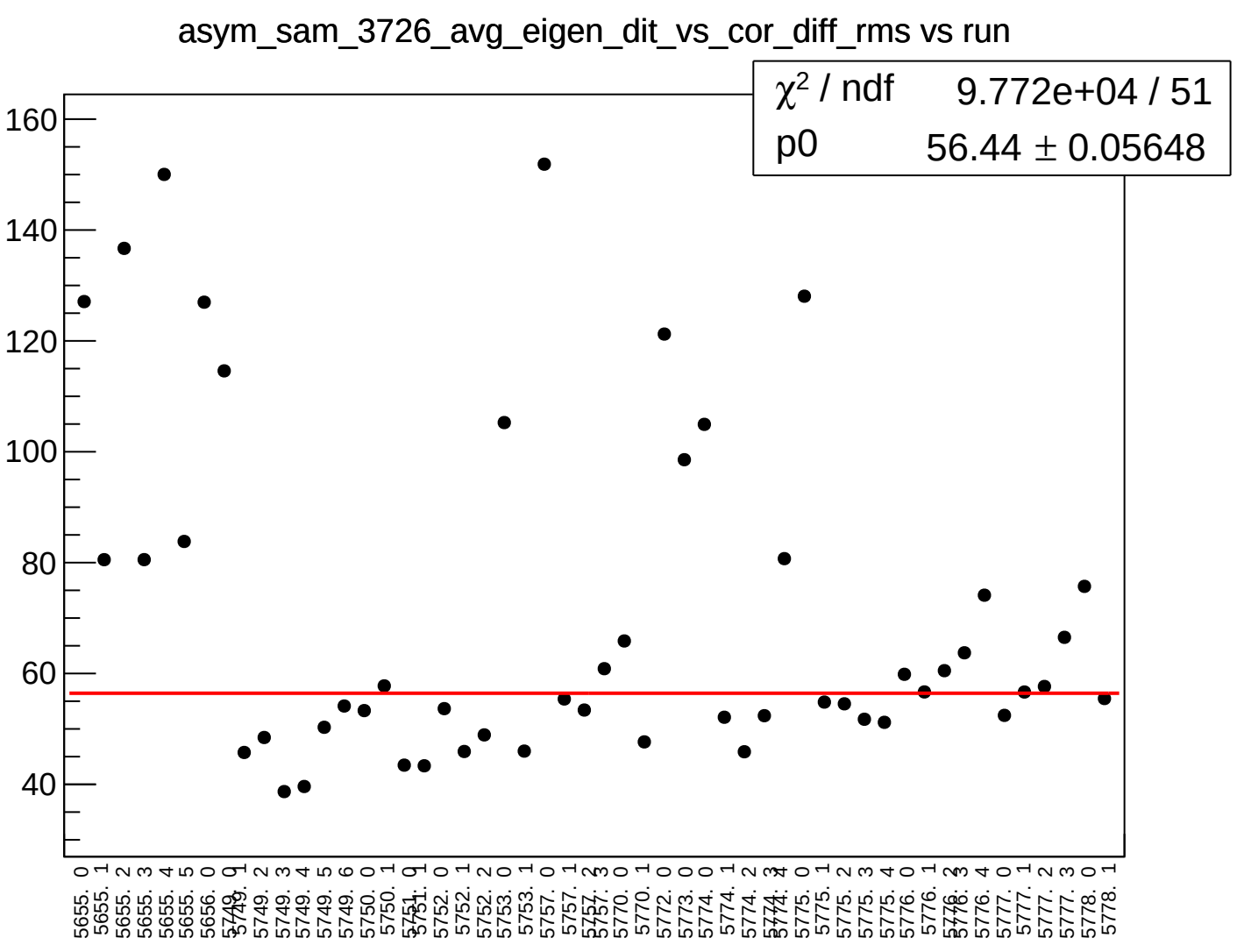

asym_sam_3726_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 48.28 / 51
p0 −8.454e−07 ± 3.506e−06
pull
Entries 52
Mean −124.6
Std Dev 0


pull1D
Entries 52
Mean −0.01115
Std Dev 0.9635


asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.621e+05 / 51
p0 0.002264 ± 2.479e−06
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.44 / 51
p0 0.02708 ± 0.07987
pull
Entries 52
Mean 25.15
Std Dev 31.71


pull1D
Entries 52
Mean 0.05264
Std Dev 0.9436


asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.772e+04 / 51
p0 56.44 ± 0.05648
160
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
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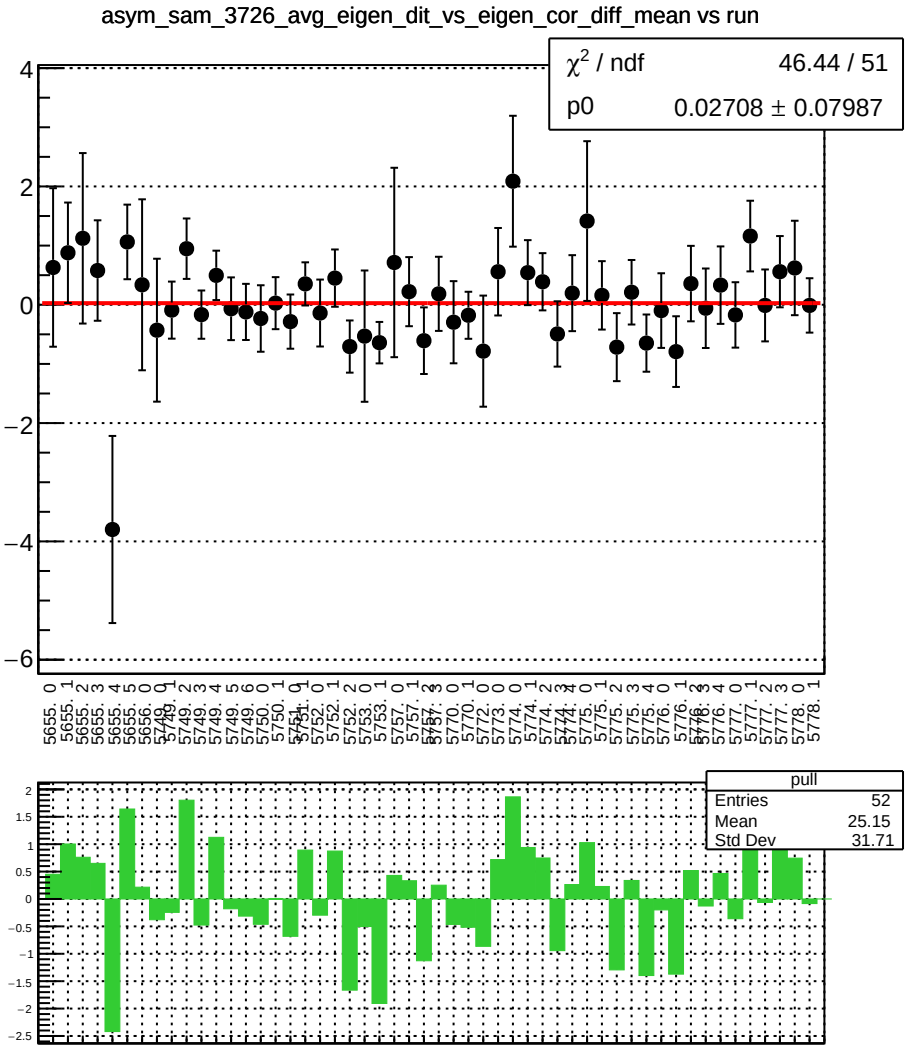
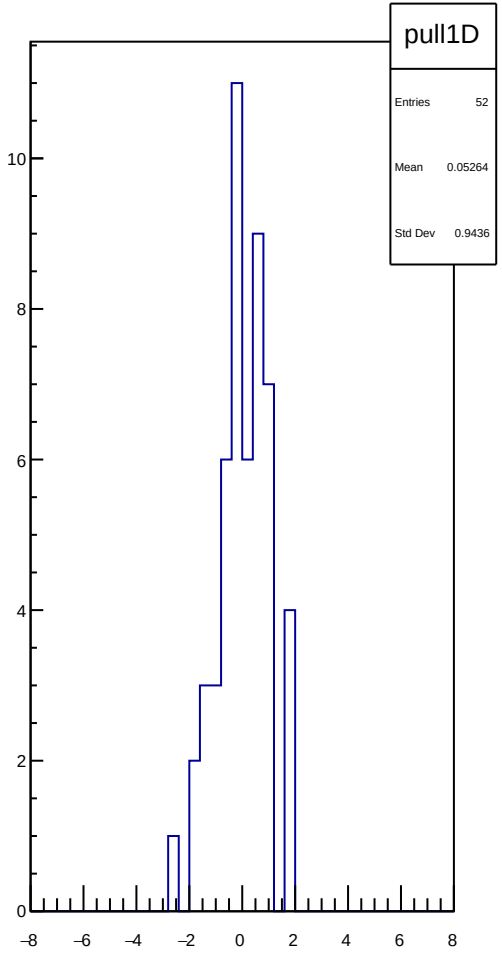
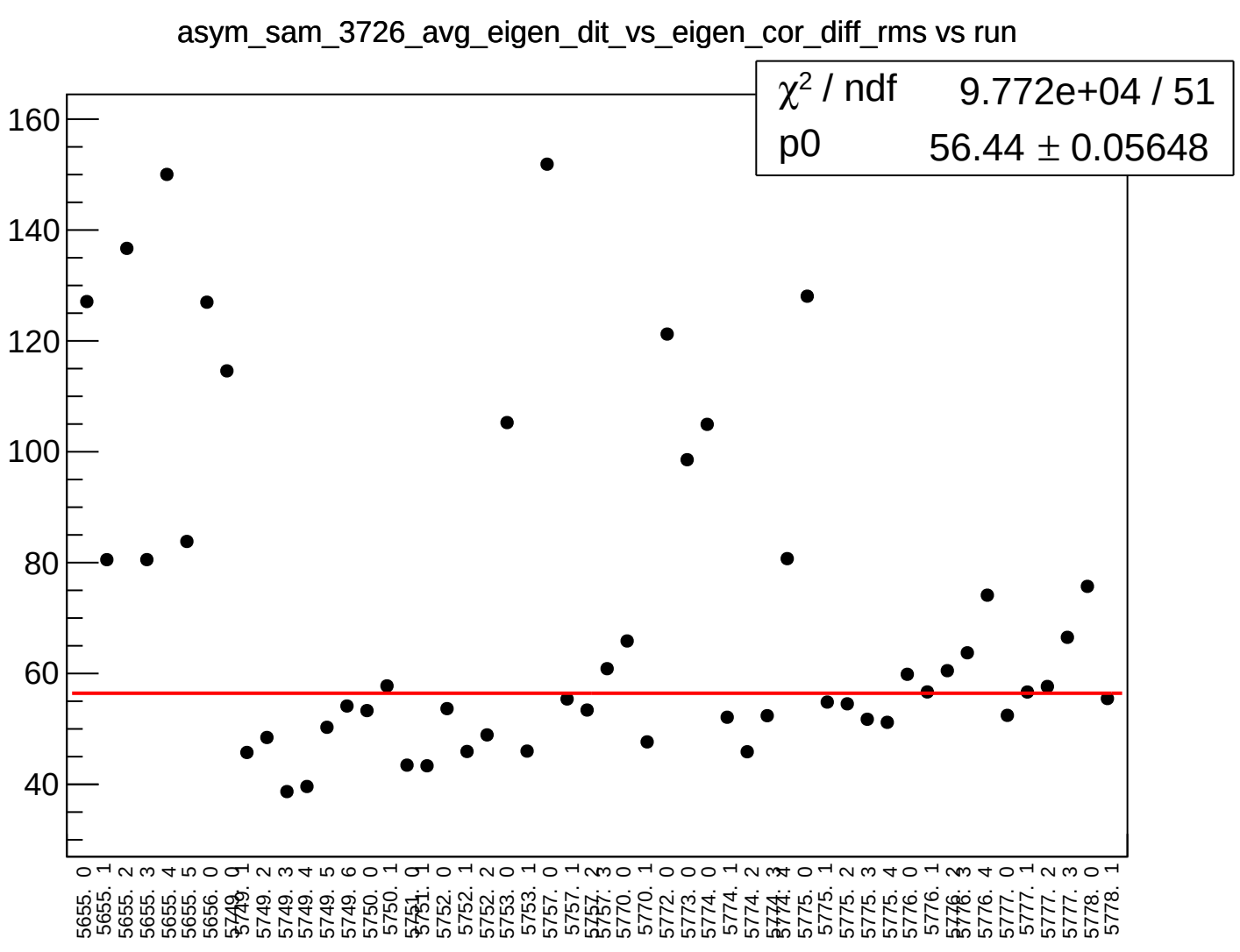
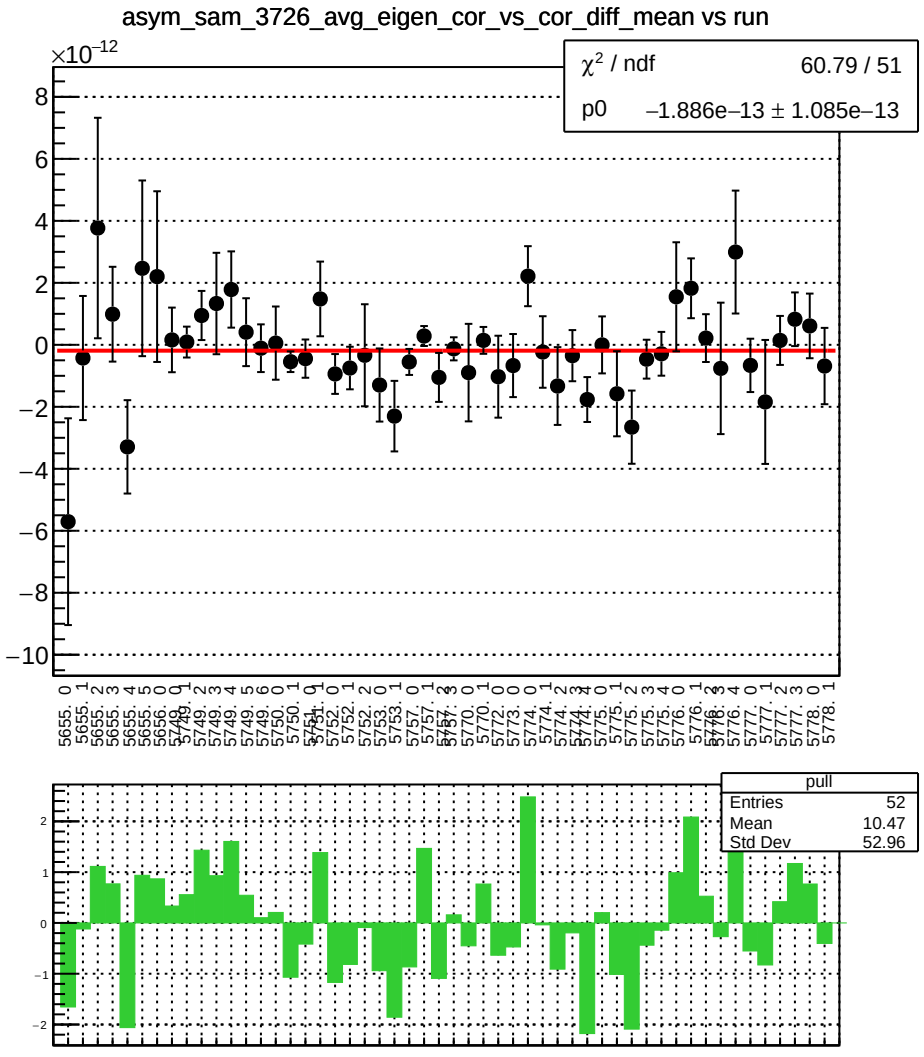
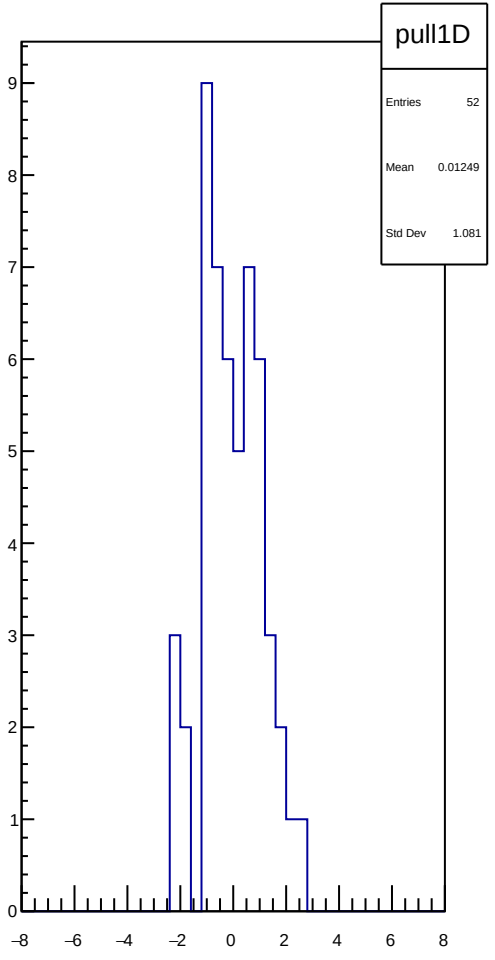
5777. 2
5777. 3
5778. 0
5778. 1

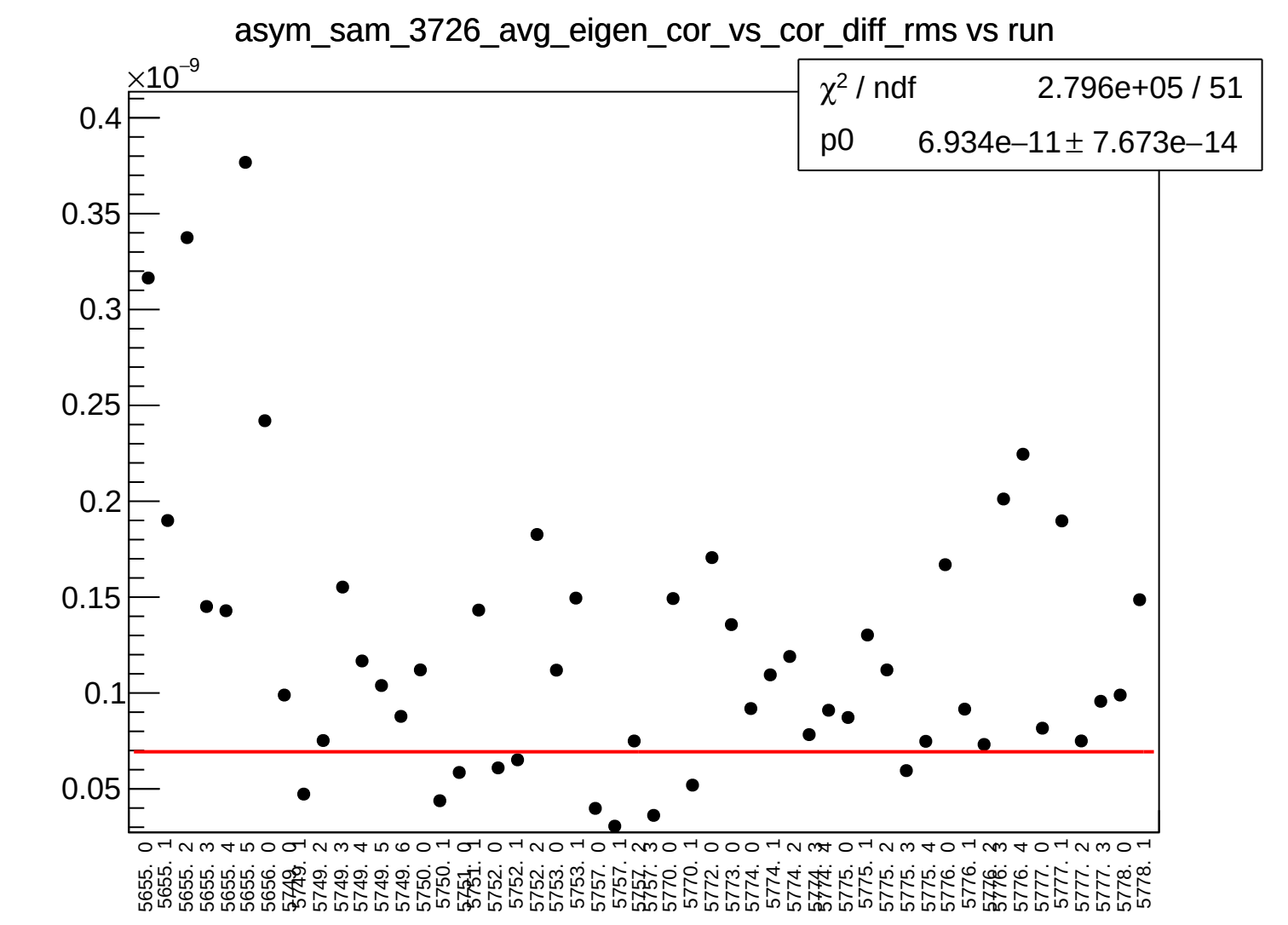

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.44 / 51
p0 0.02708 ± 0.07987
pull
Entries 52
Mean 25.15
Std Dev 31.71

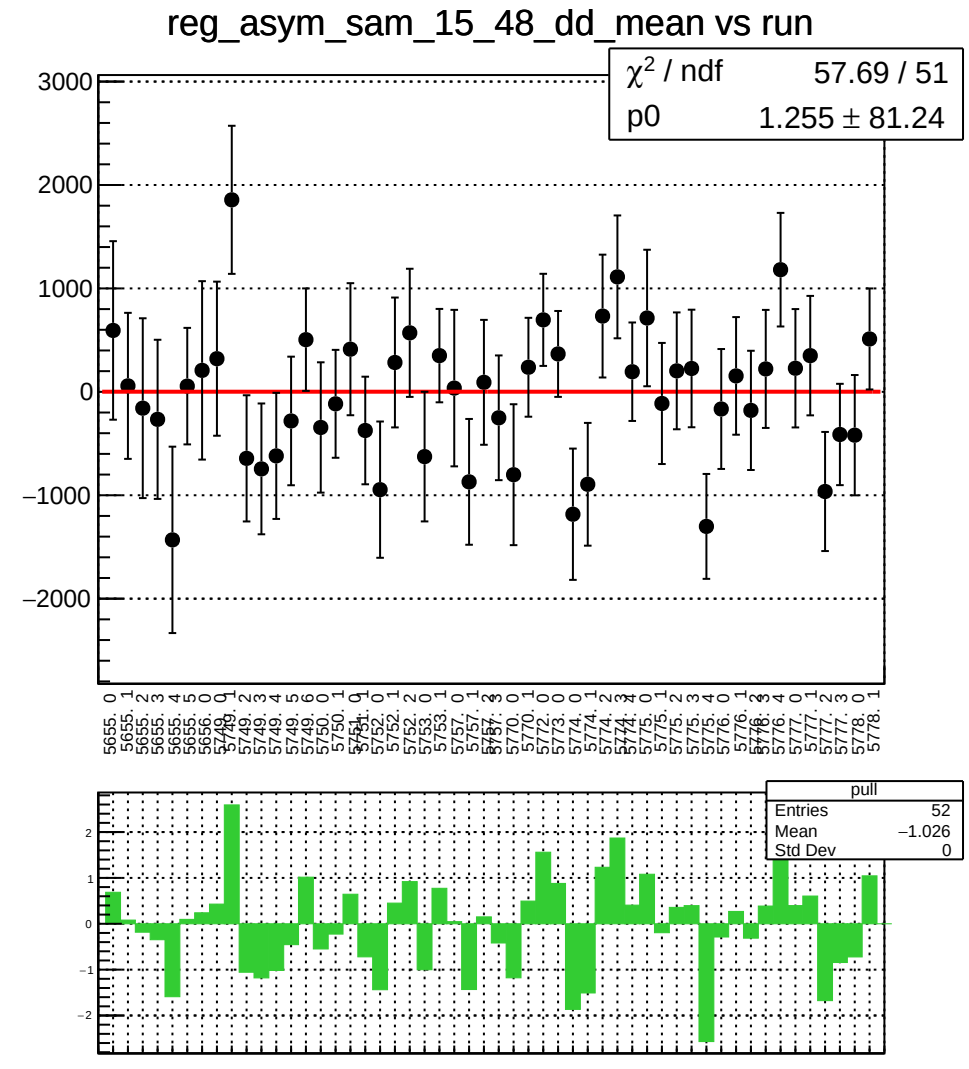

pull1D
Entries 52
Mean 0.05264
Std Dev 0.9436

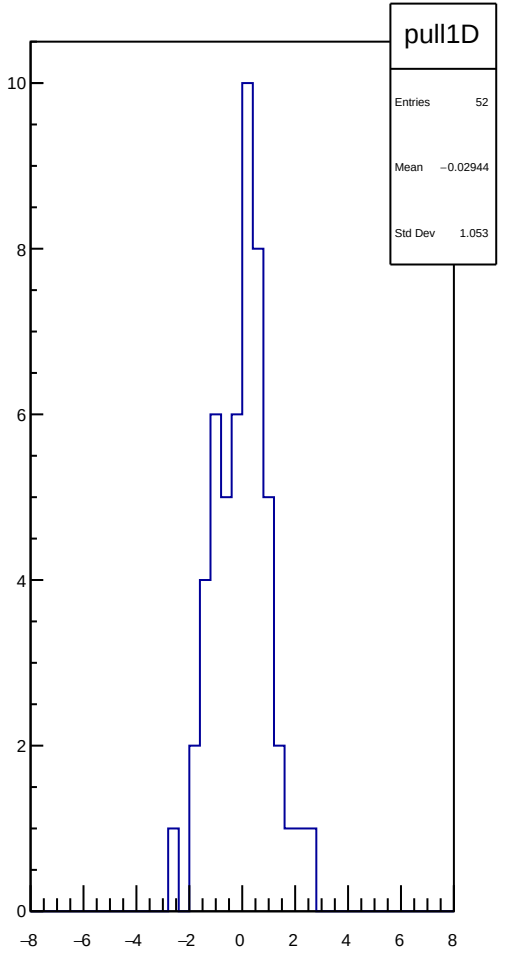

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 9.772e+04 / 51
p0 56.44 ± 0.05648
160
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

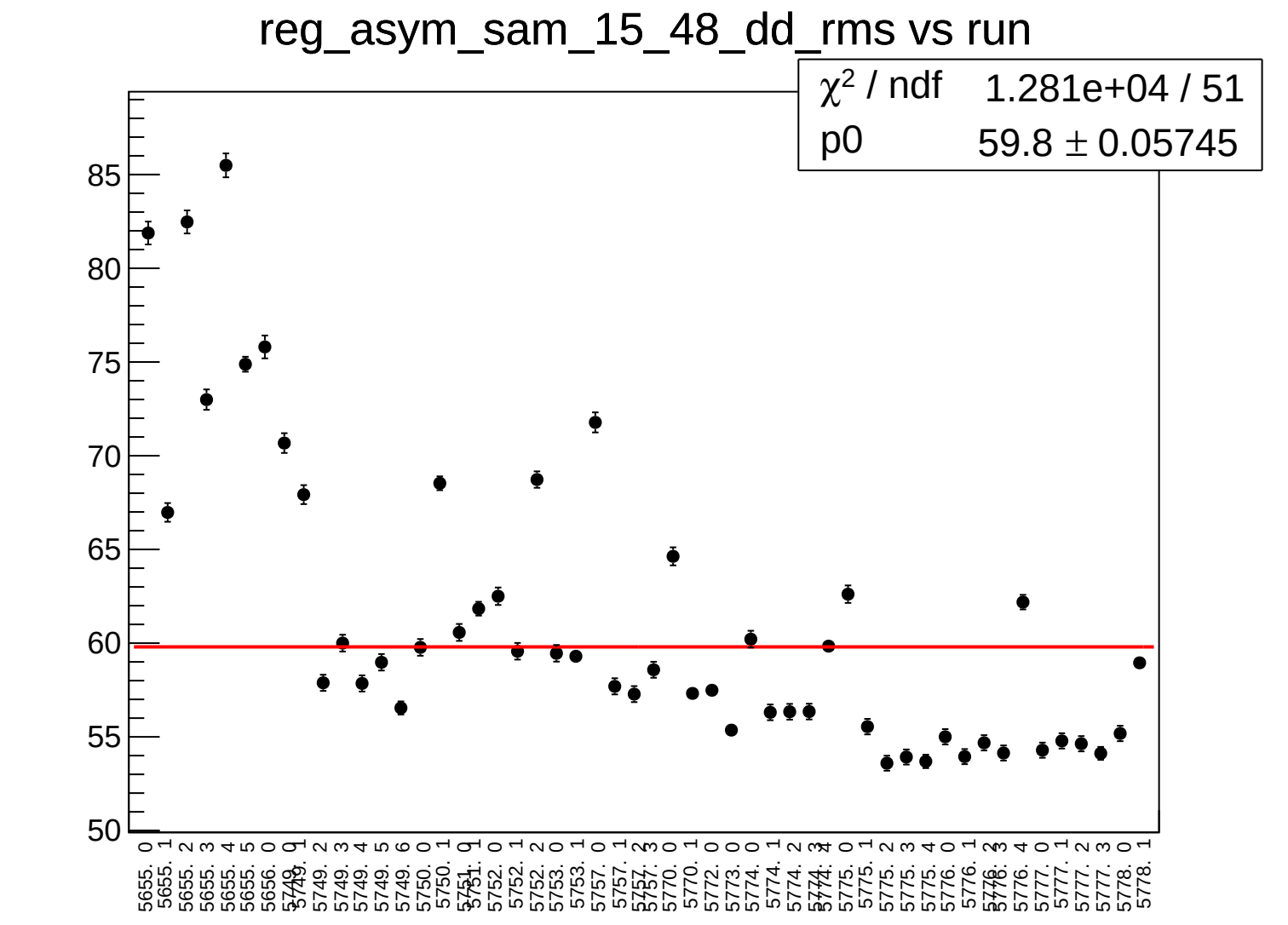

asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 60.79 / 51
p0 −1.886e−13 ± 1.085e−13
pull
Entries 52
Mean 10.47
Std Dev 52.96


pull1D
Entries 52
Mean 0.01249
Std Dev 1.081


asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.796e+05 / 51
p0 6.934e−11 ± 7.673e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


reg_asym_sam_15_48_dd_mean vs run
χ² / ndf 57.69 / 51
p0 1.255 ± 81.24
pull
Entries 52
Mean −1.026
Std Dev 0


pull1D
Entries 52
Mean −0.02944
Std Dev 1.053


reg_asym_sam_15_48_dd_rms vs run
χ² / ndf 1.281e+04 / 51
p0 59.8 ± 0.05745
85
80
75
70
65
60
55
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
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5775. 2
5775. 3
5775. 4
5776. 0
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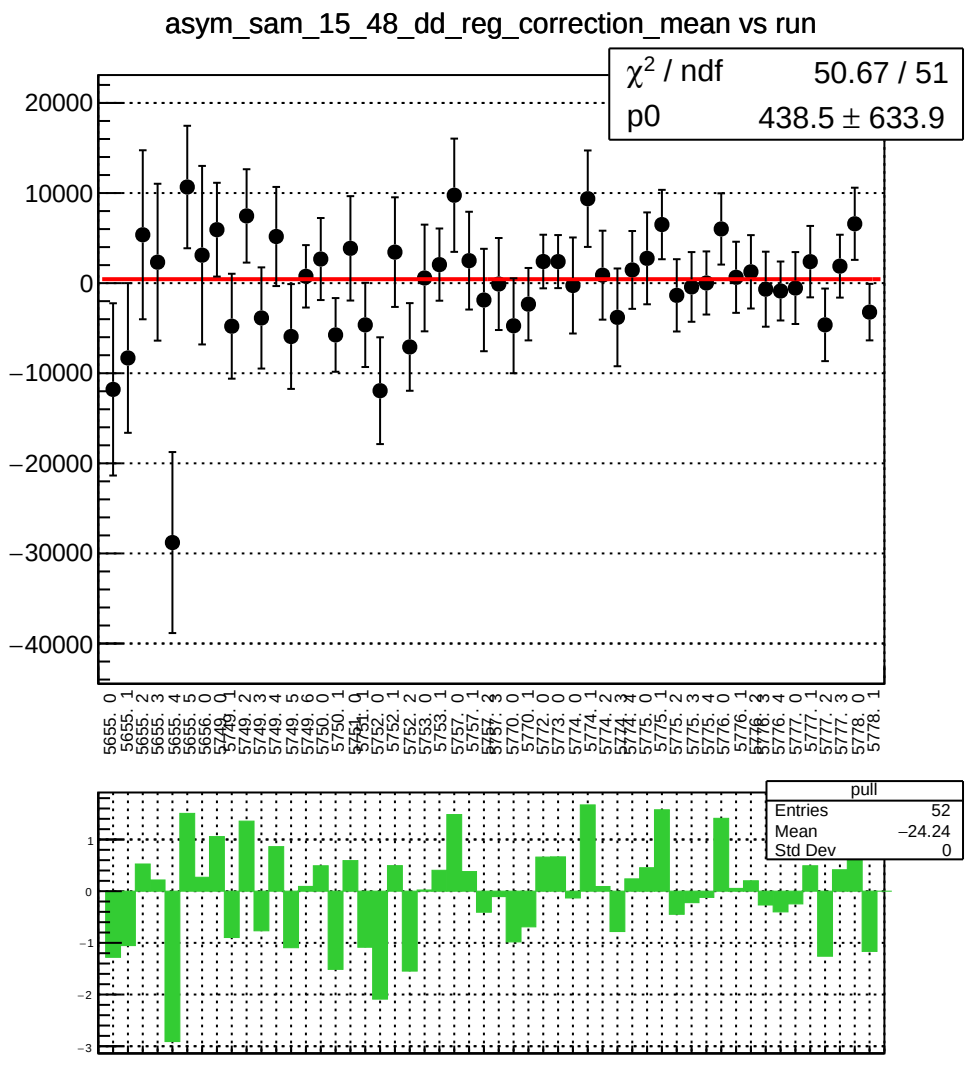
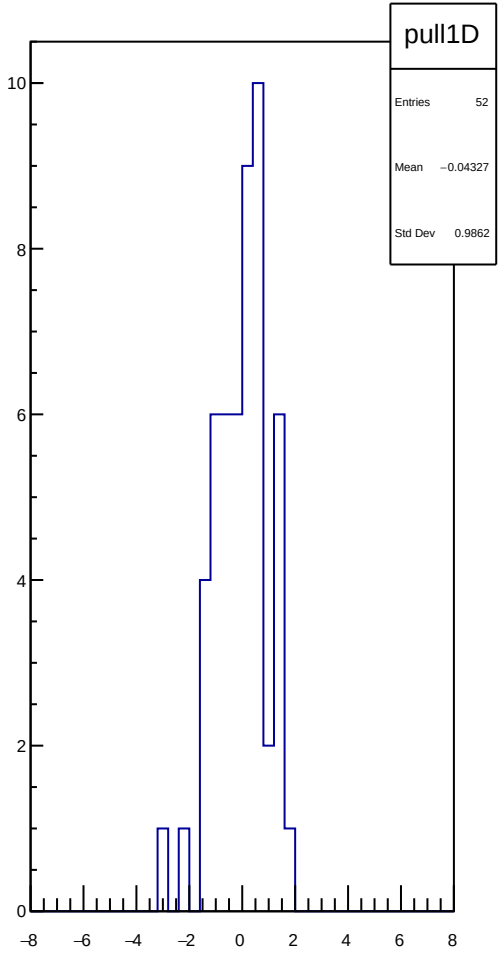
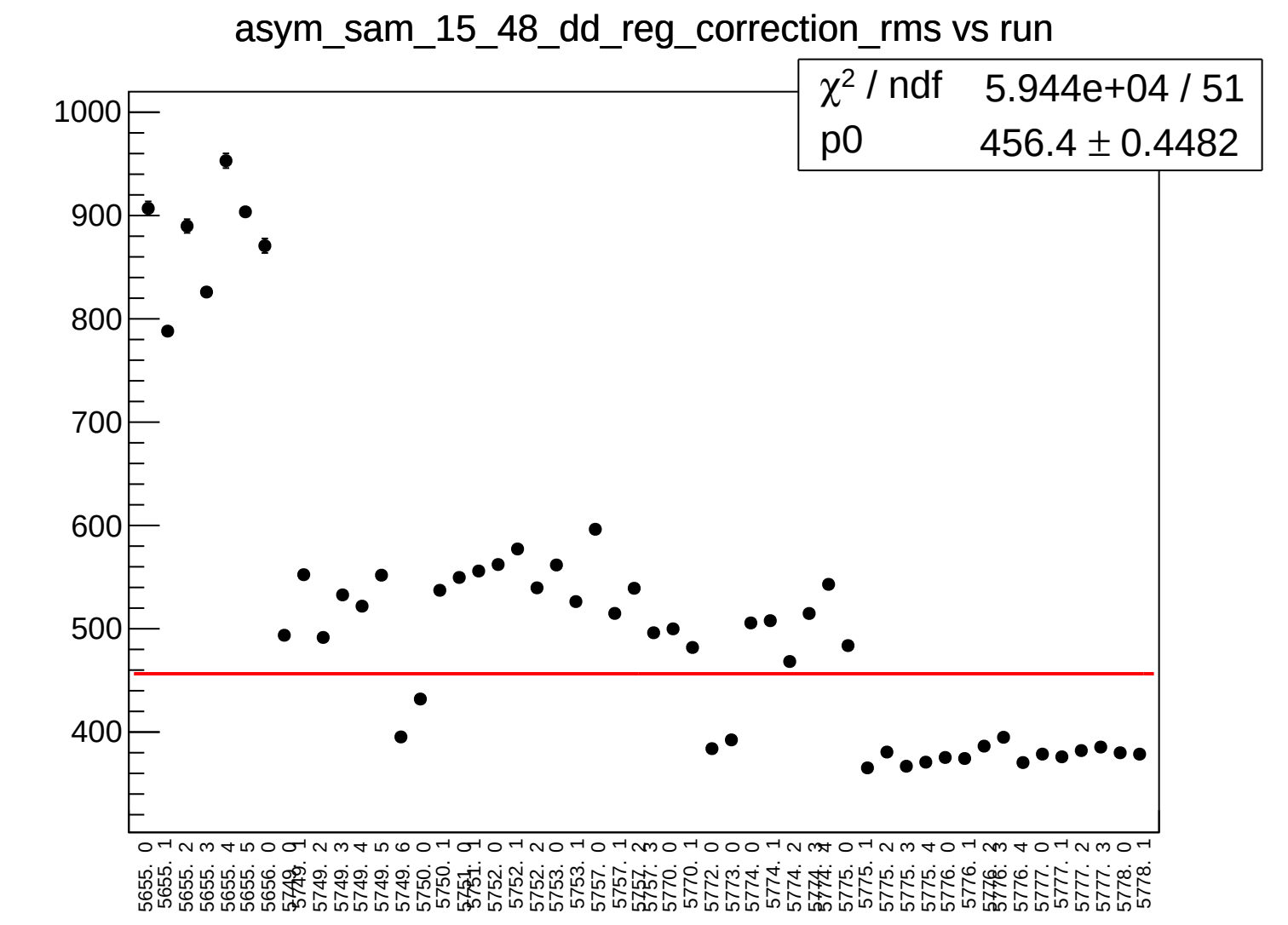
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_15_48_dd_reg_correction_mean vs run
χ² / ndf 50.67 / 51
p0 438.5 ± 633.9
pull
Entries 52
Mean −24.24
Std Dev 0


pull1D
Entries 52
Mean −0.04327
Std Dev 0.9862


asym_sam_15_48_dd_reg_correction_rms vs run
χ² / ndf 5.944e+04 / 51
p0 456.4 ± 0.4482
1000
900
800
700
600
500
400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
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5749. 3
5749. 4
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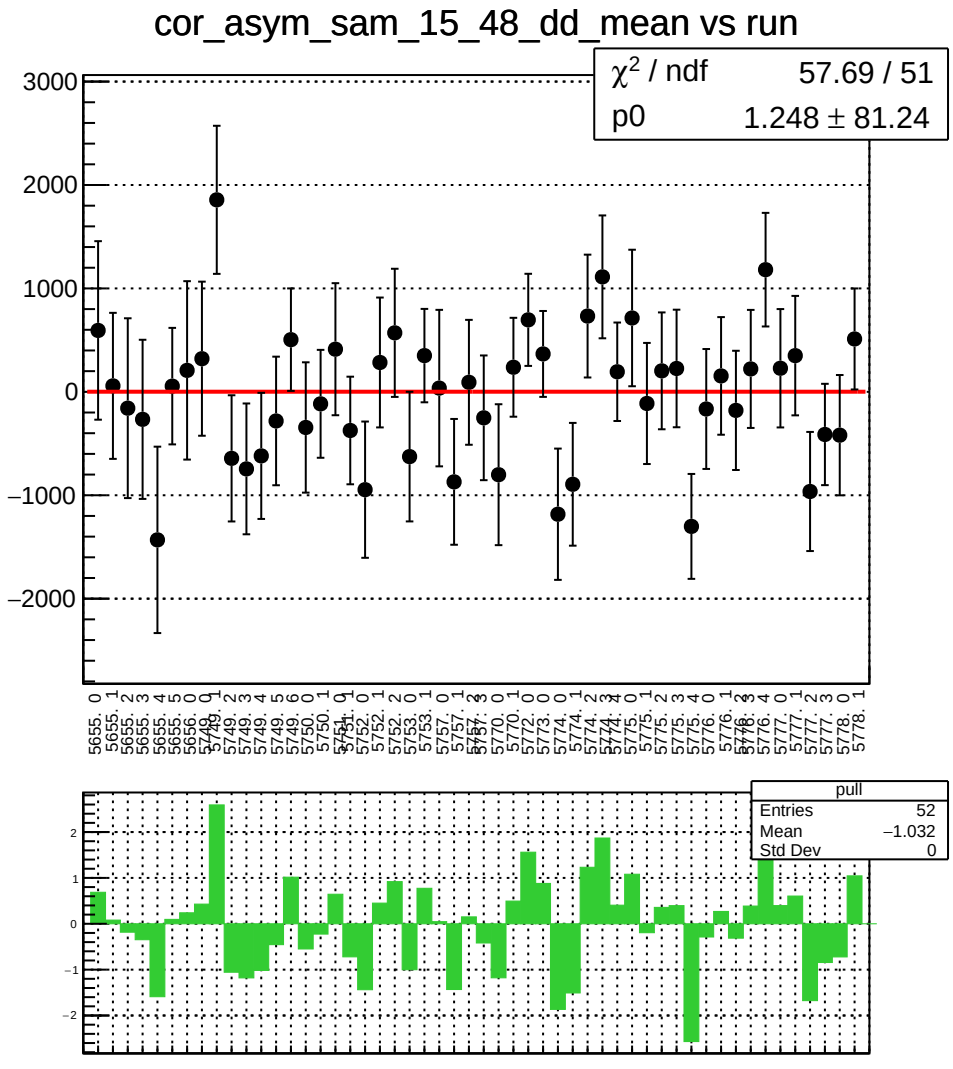
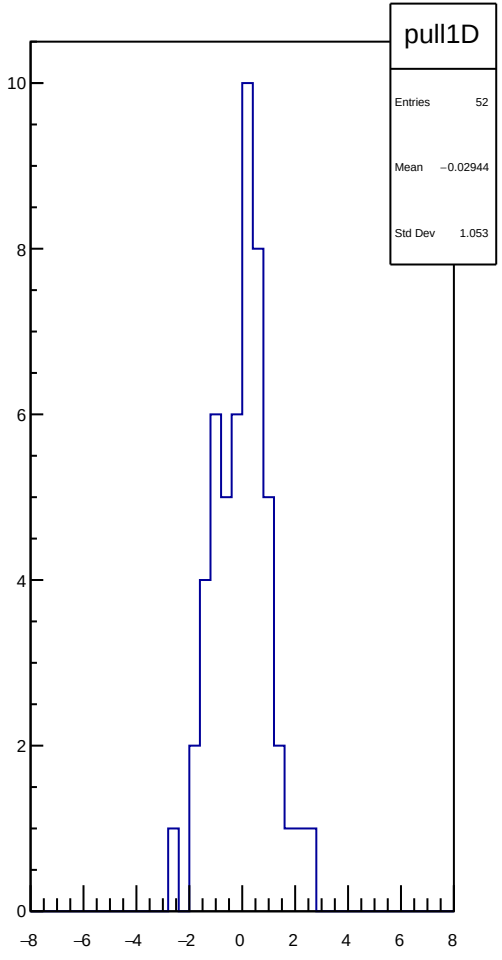
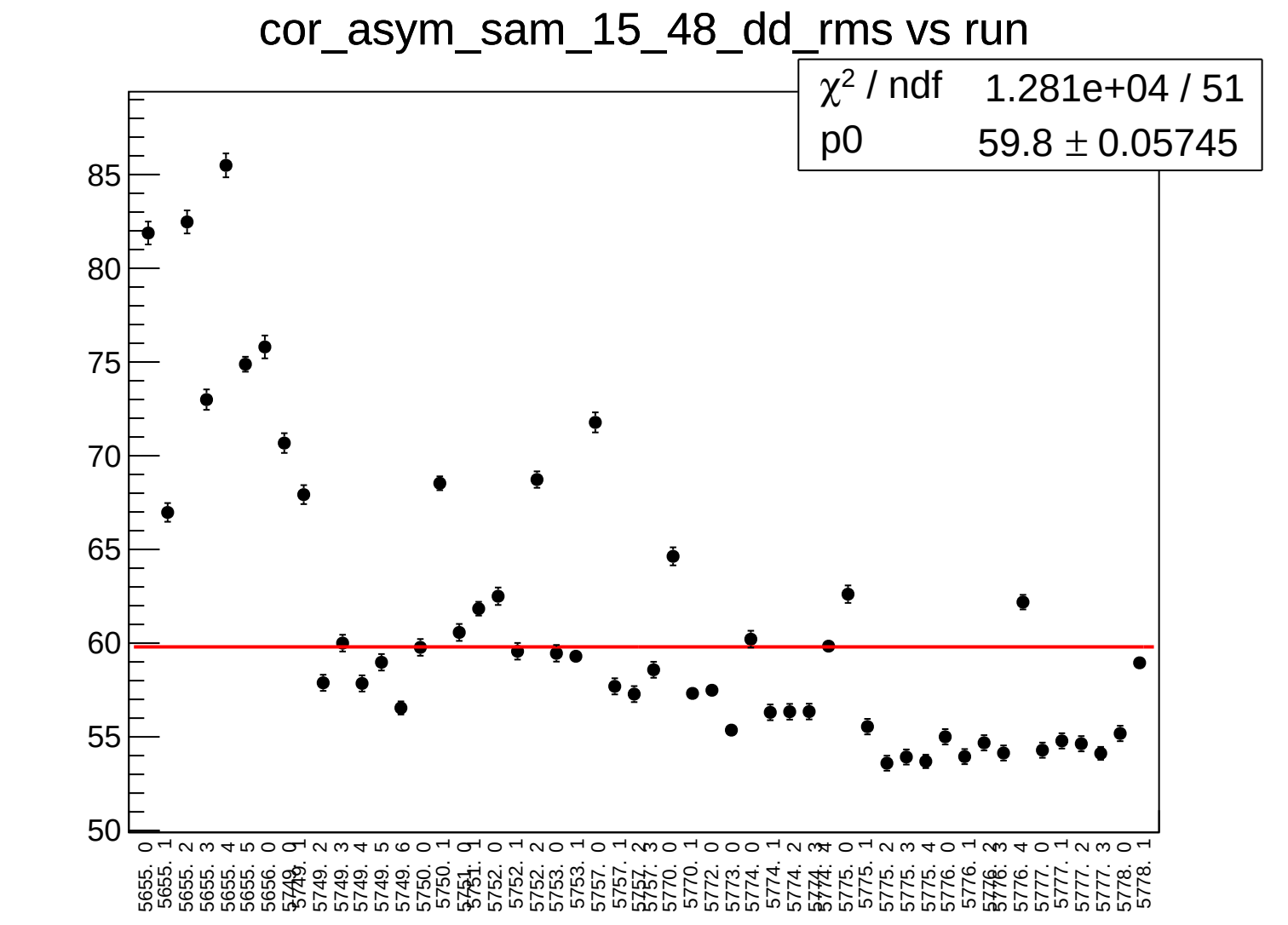
5778. 0
5778. 1


cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 57.69 / 51
p0 1.248 ± 81.24
pull
Entries 52
Mean −1.032
Std Dev 0


pull1D
Entries 52
Mean −0.02944
Std Dev 1.053


cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 1.281e+04 / 51
p0 59.8 ± 0.05745
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5655. 0
5655. 1
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5656. 0
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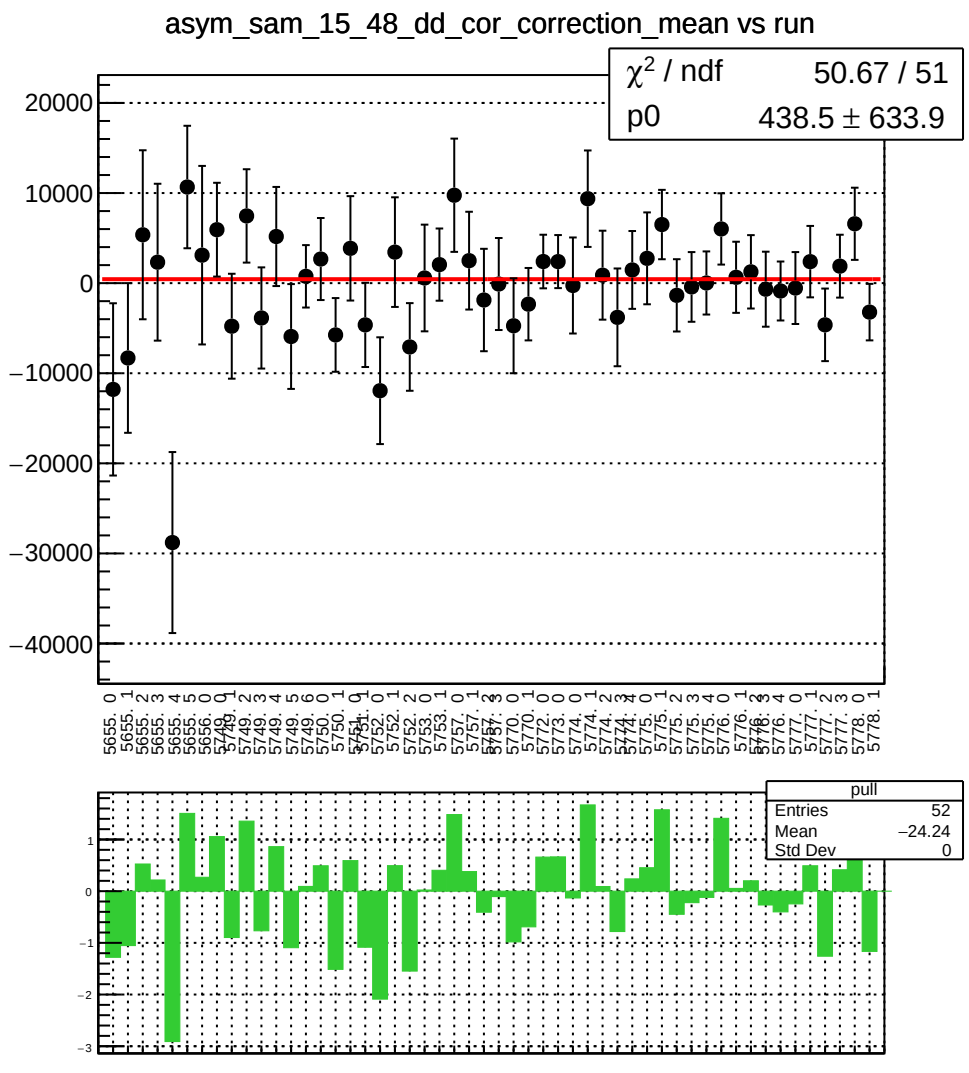
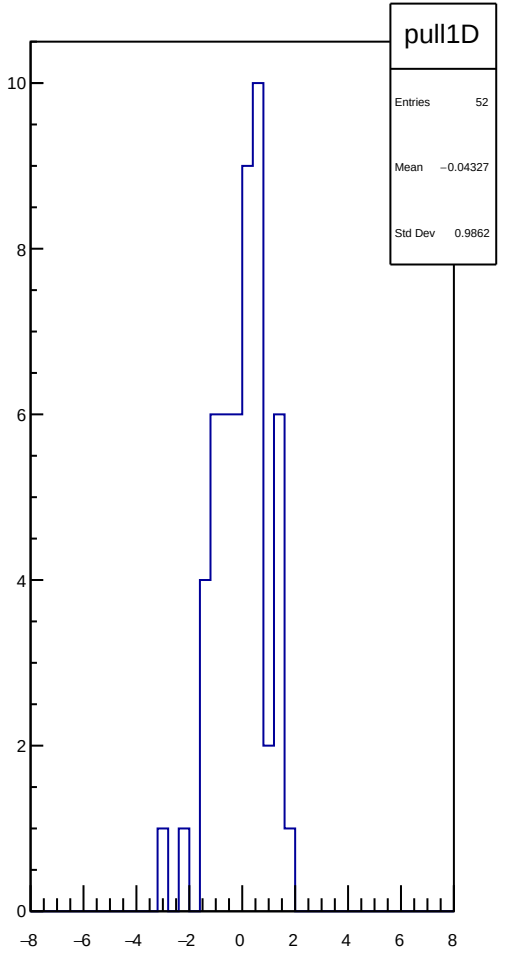
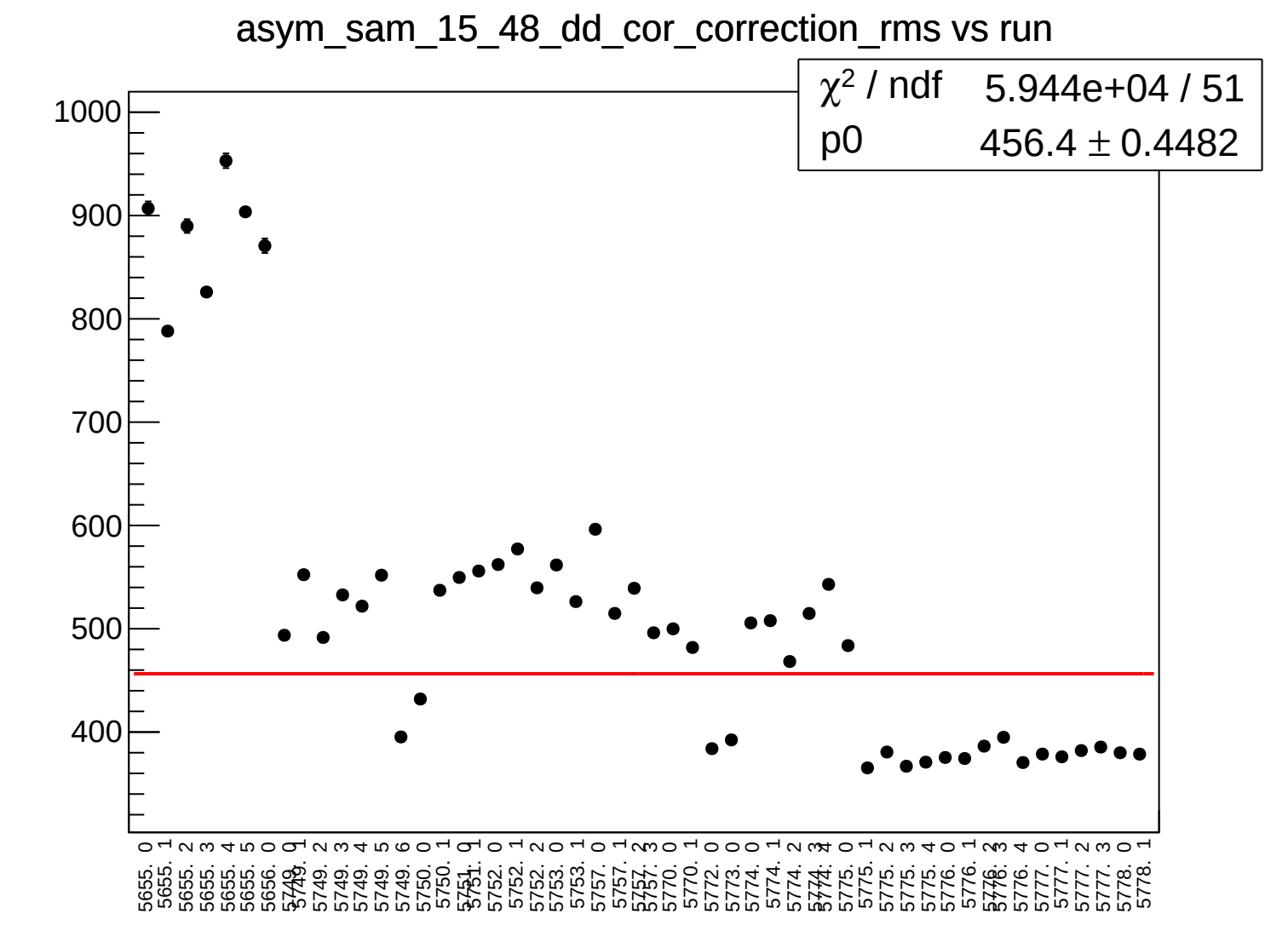

asym_sam_15_48_dd_cor_correction_mean vs run
χ² / ndf 50.67 / 51
p0 438.5 ± 633.9
pull
Entries 52
Mean −24.24
Std Dev 0


pull1D
Entries 52
Mean −0.04327
Std Dev 0.9862


asym_sam_15_48_dd_cor_correction_rms vs run
χ² / ndf 5.944e+04 / 51
p0 456.4 ± 0.4482
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5655. 0
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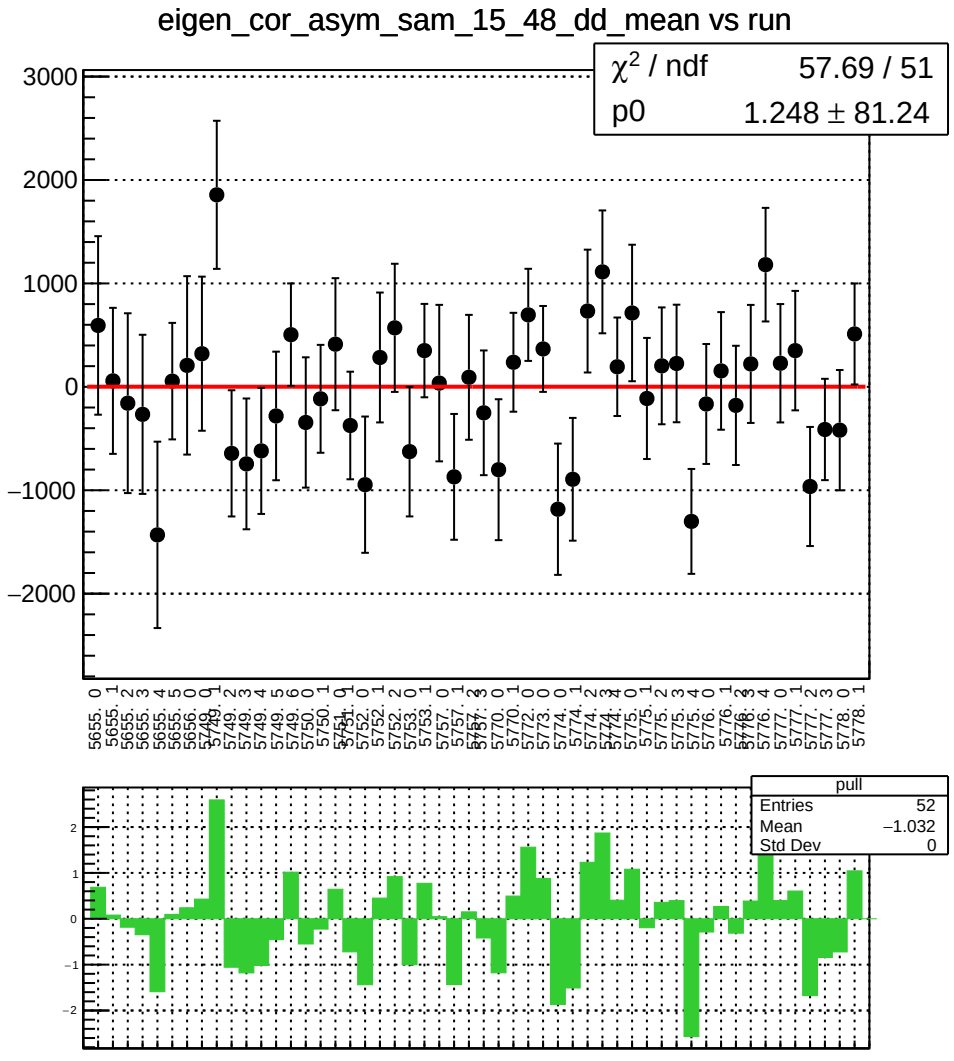
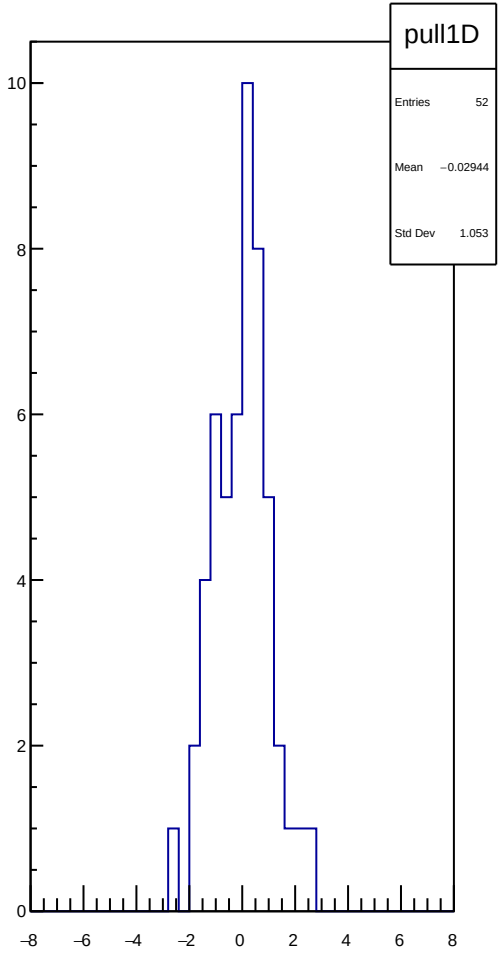
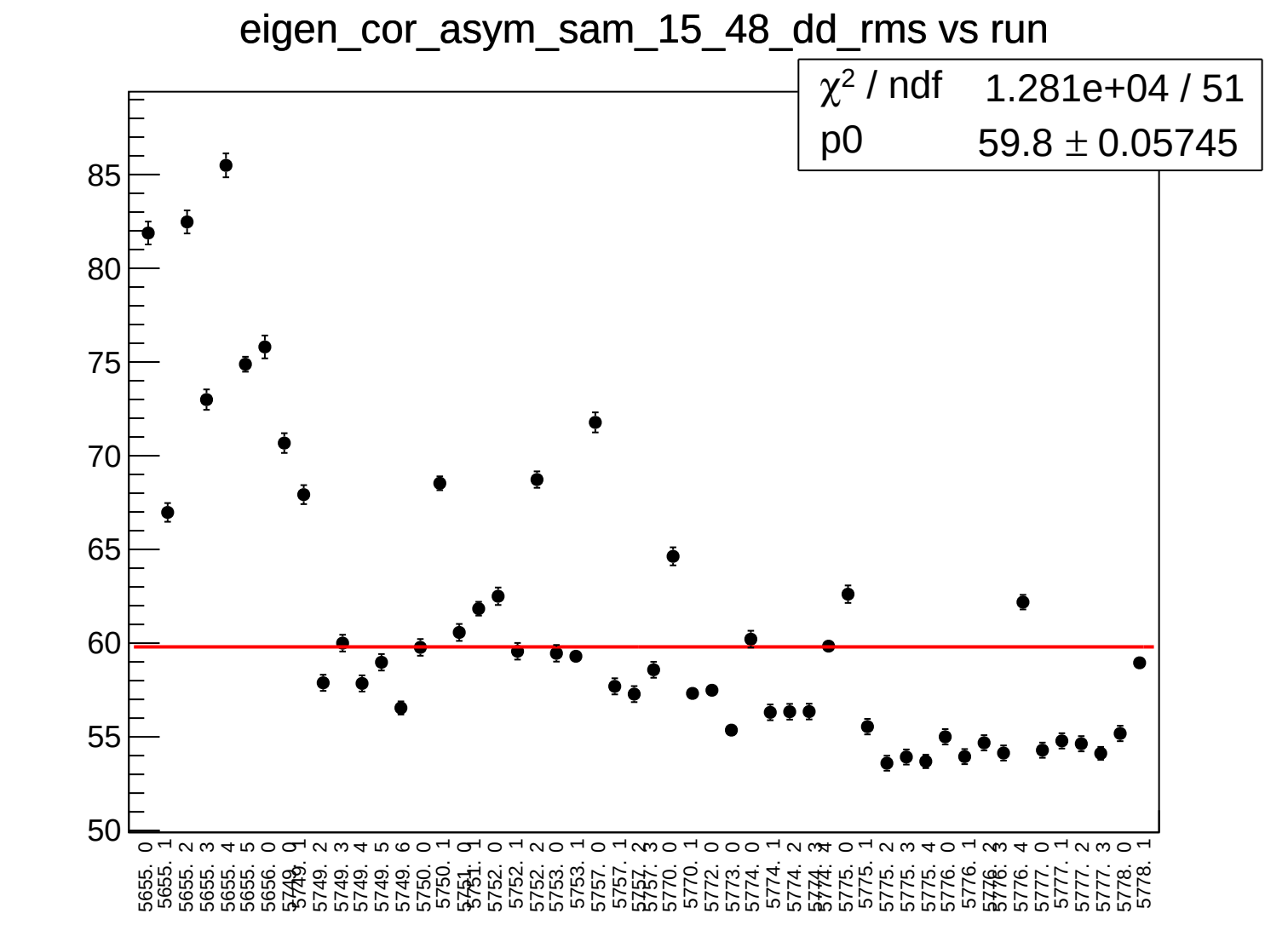

eigen_cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 57.69 / 51
p0 1.248 ± 81.24
pull
Entries 52
Mean −1.032
Std Dev 0


pull1D
Entries 52
Mean −0.02944
Std Dev 1.053


eigen_cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 1.281e+04 / 51
p0 59.8 ± 0.05745
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5656. 0
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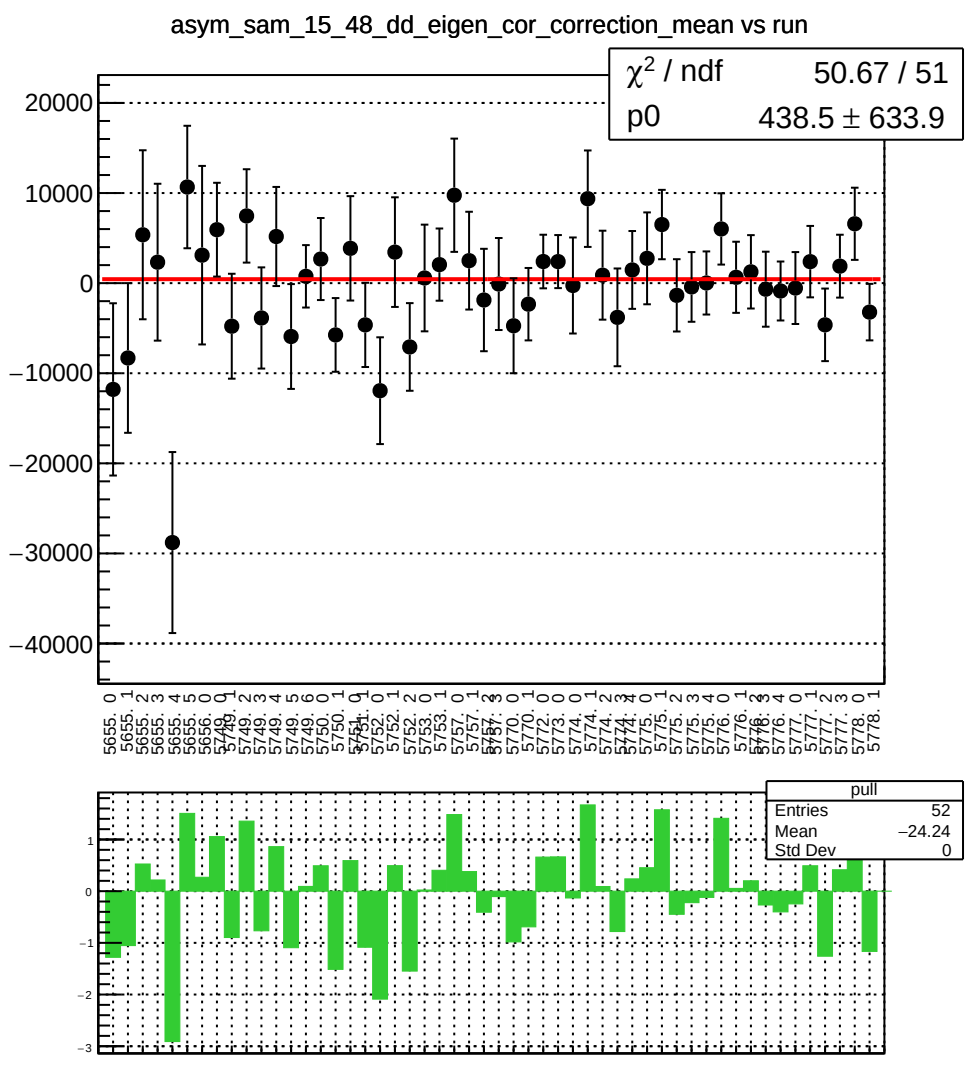
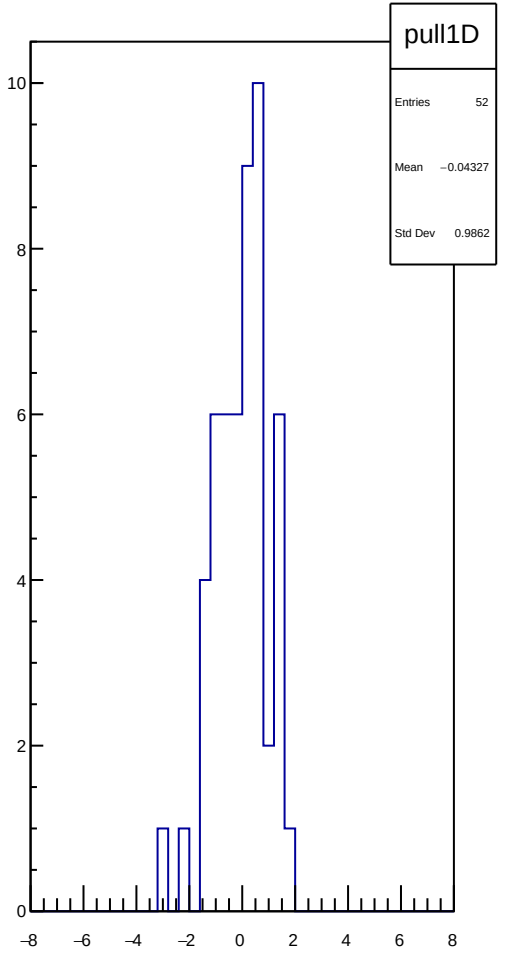
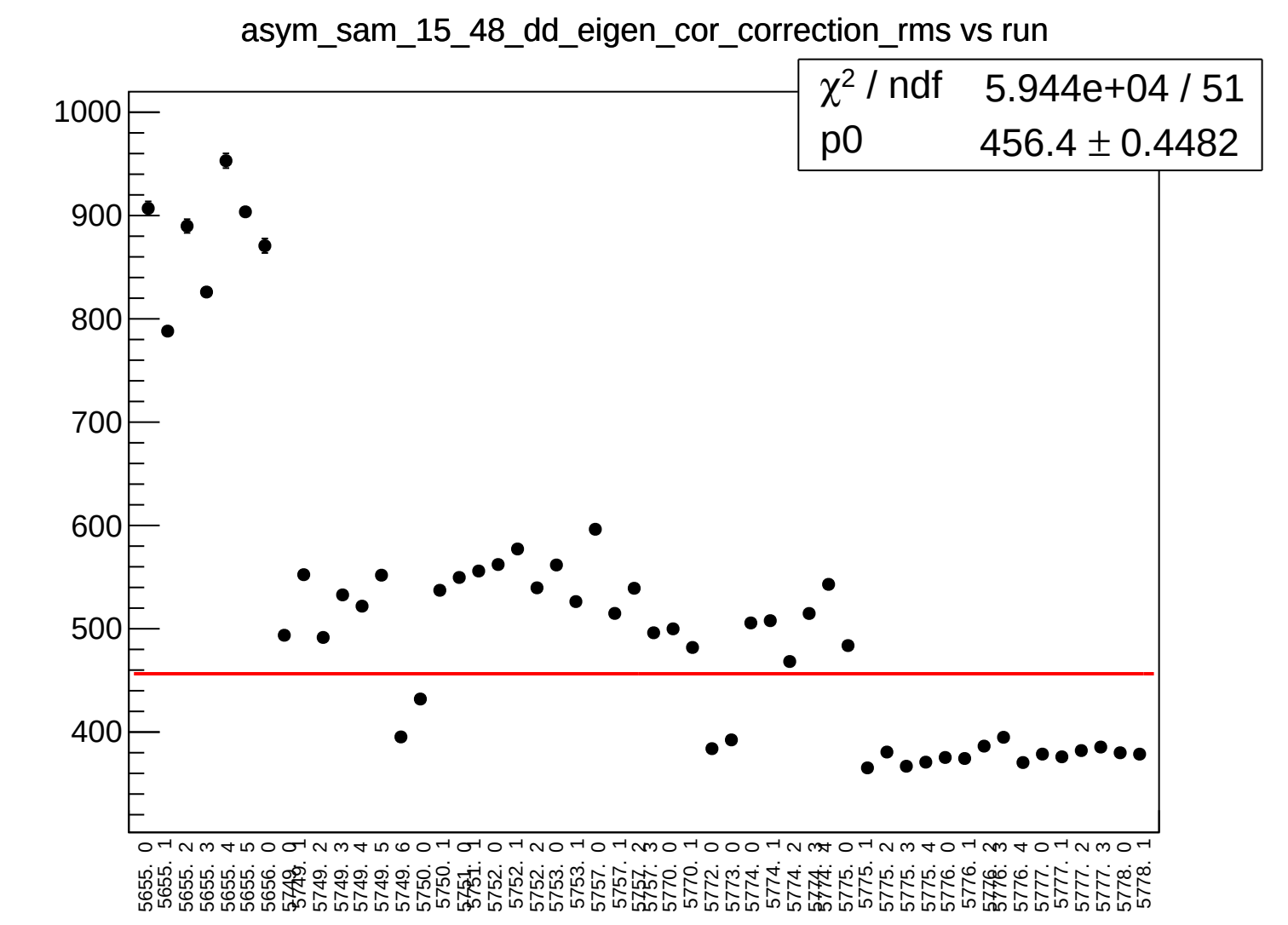

asym_sam_15_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 50.67 / 51
p0 438.5 ± 633.9
pull
Entries 52
Mean −24.24
Std Dev 0


pull1D
Entries 52
Mean −0.04327
Std Dev 0.9862


asym_sam_15_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 5.944e+04 / 51
p0 456.4 ± 0.4482
1000
900
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700
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500
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5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
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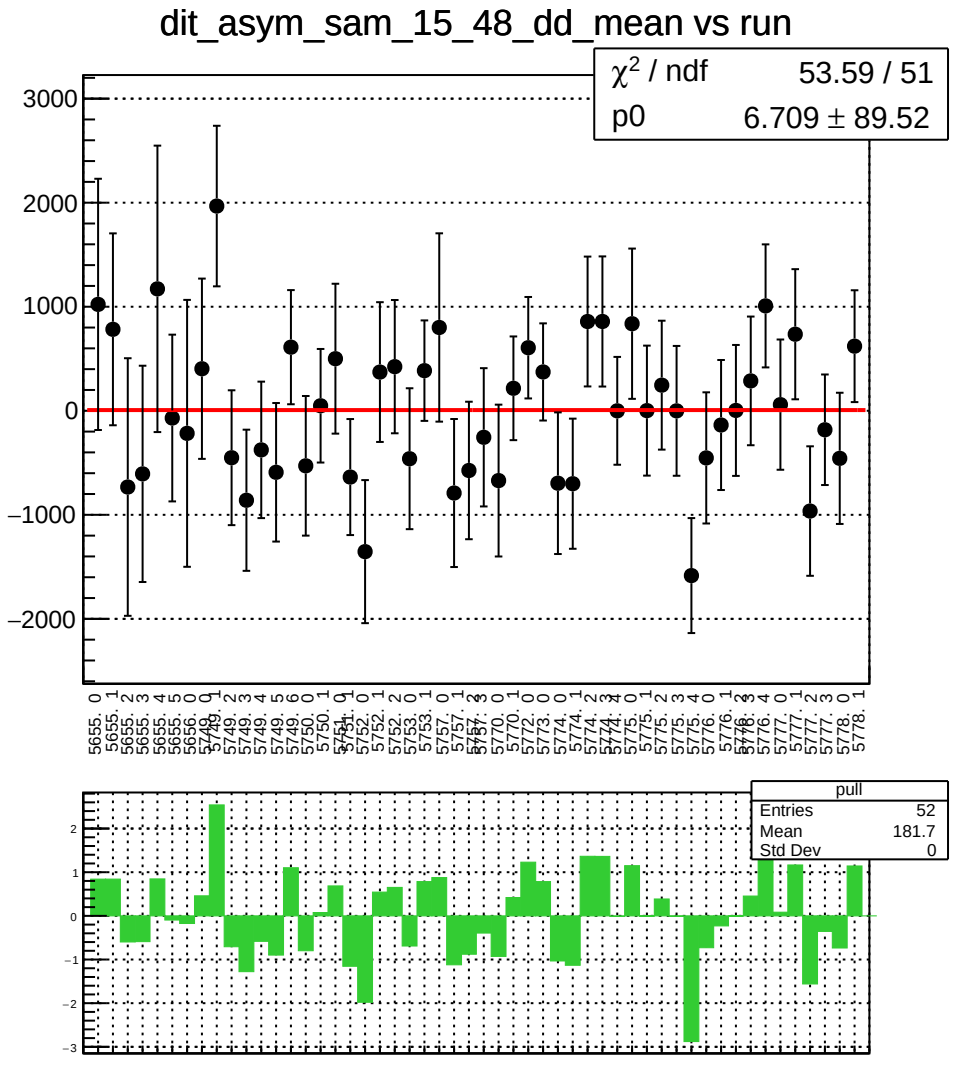
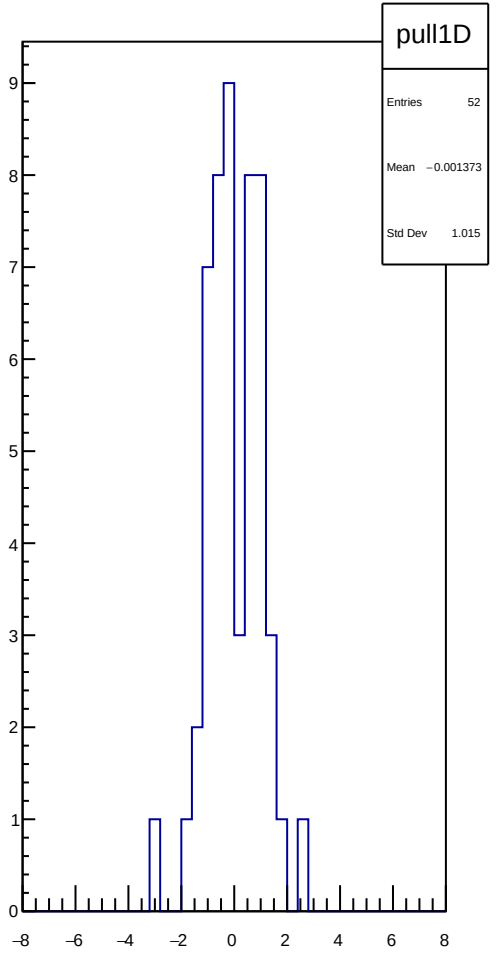
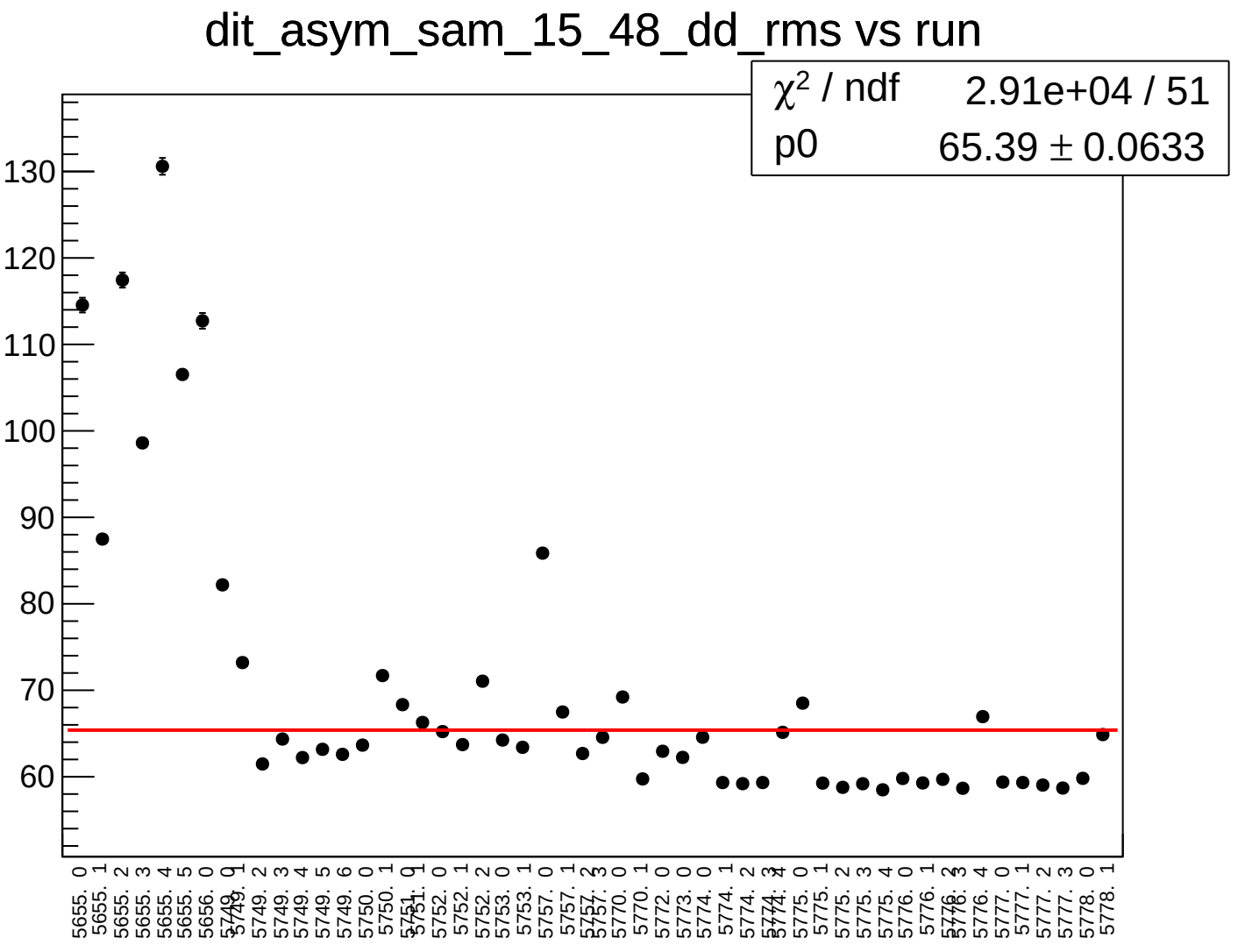
5778. 1


dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 53.59 / 51
p0 6.709 ± 89.52
pull
Entries 52
Mean 181.7
Std Dev 0


pull1D
Entries 52
Mean −0.001373
Std Dev 1.015


dit_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 2.91e+04 / 51
p0 65.39 ± 0.0633
130
120
110
100
90
80
70
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
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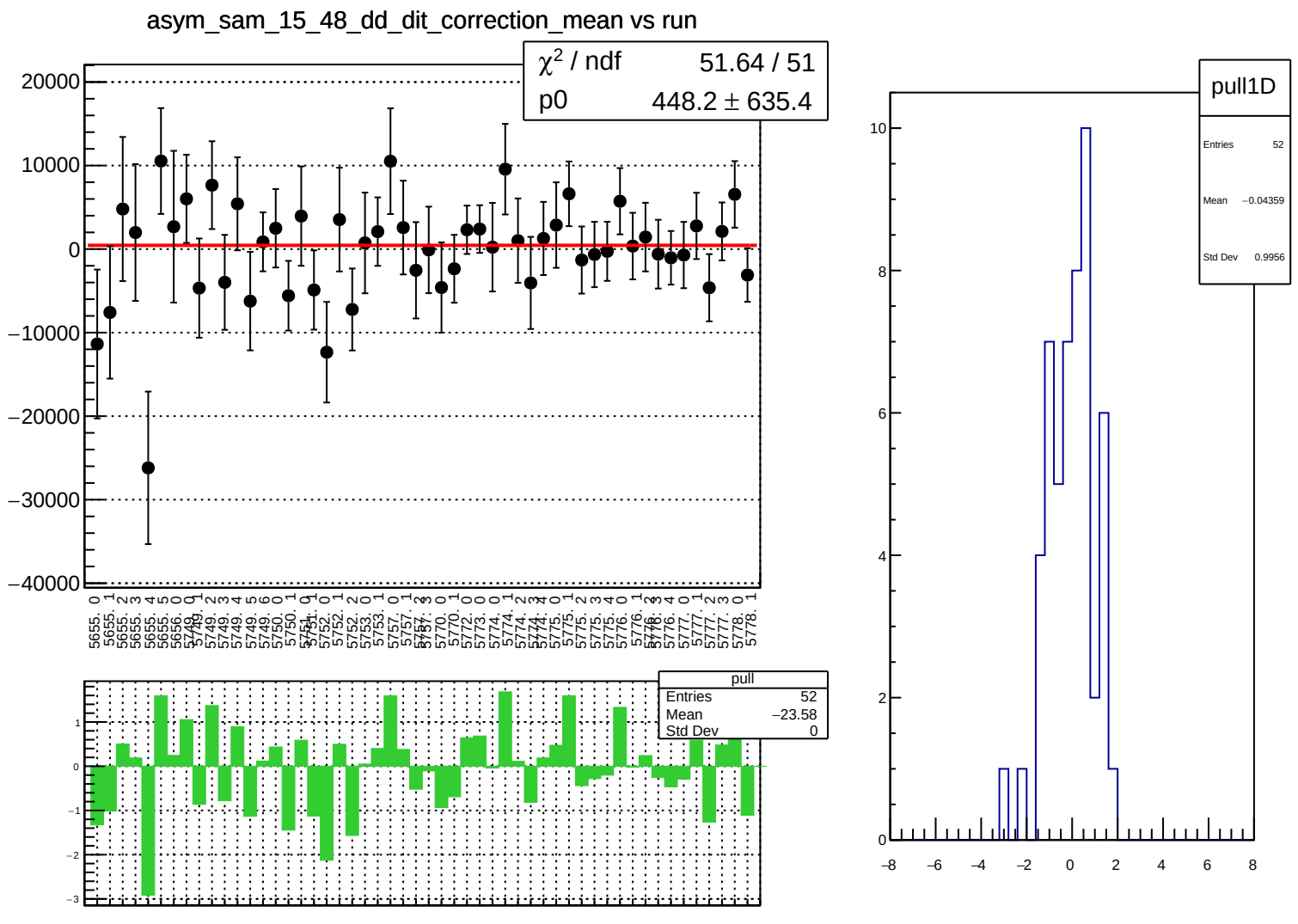
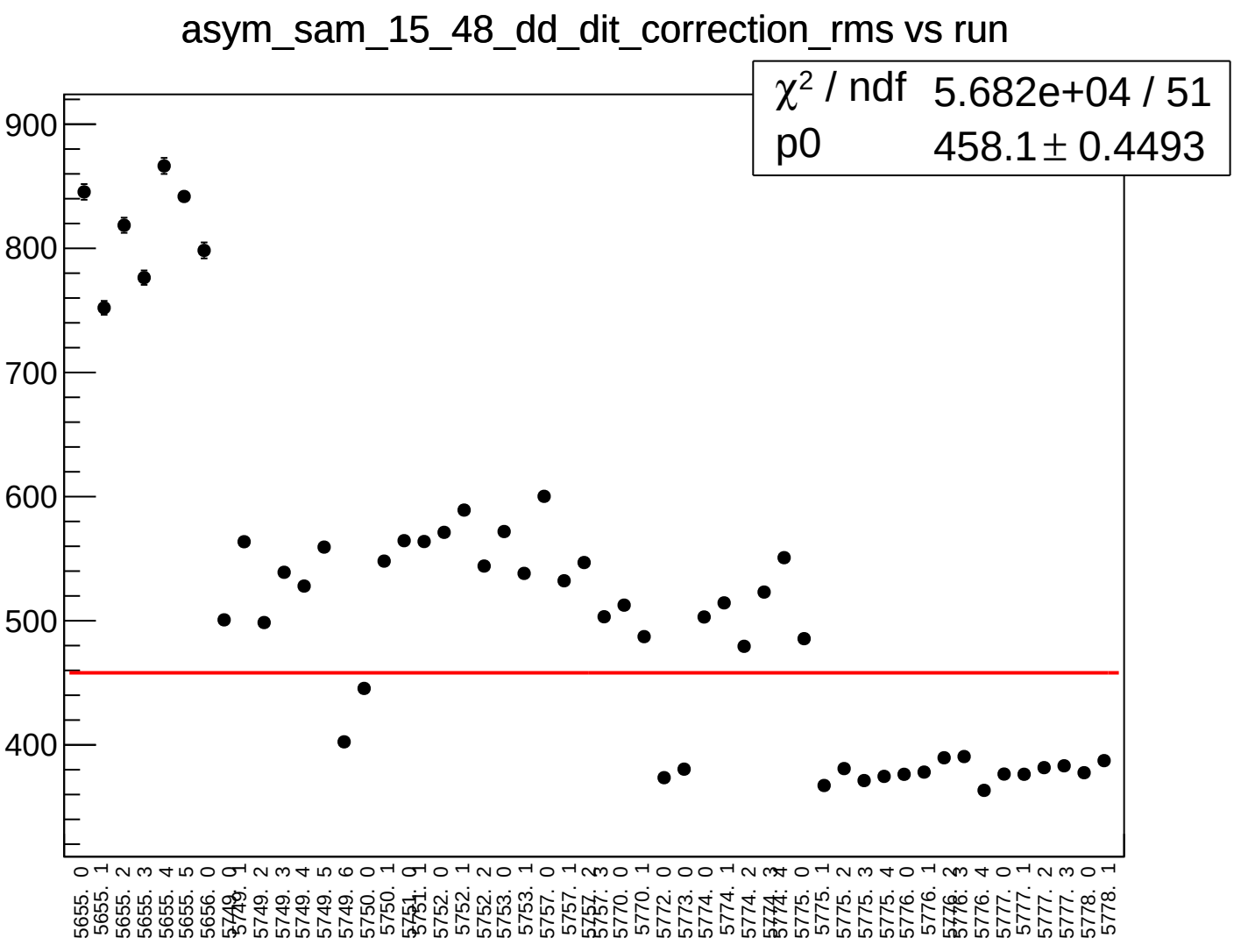
5778. 1


asym_sam_15_48_dd_dit_correction_mean vs run
χ² / ndf 51.64 / 51
p0 448.2 ± 635.4
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 52
Mean −23.58
Std Dev 0
pull1D
Entries 52
Mean −0.04359
Std Dev 0.9956


asym_sam_15_48_dd_dit_correction_rms vs run
χ² / ndf 5.682e+04 / 51
p0 458.1 ± 0.4493
900
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5655. 0
5655. 1
5655. 2
5655. 3
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5656. 0
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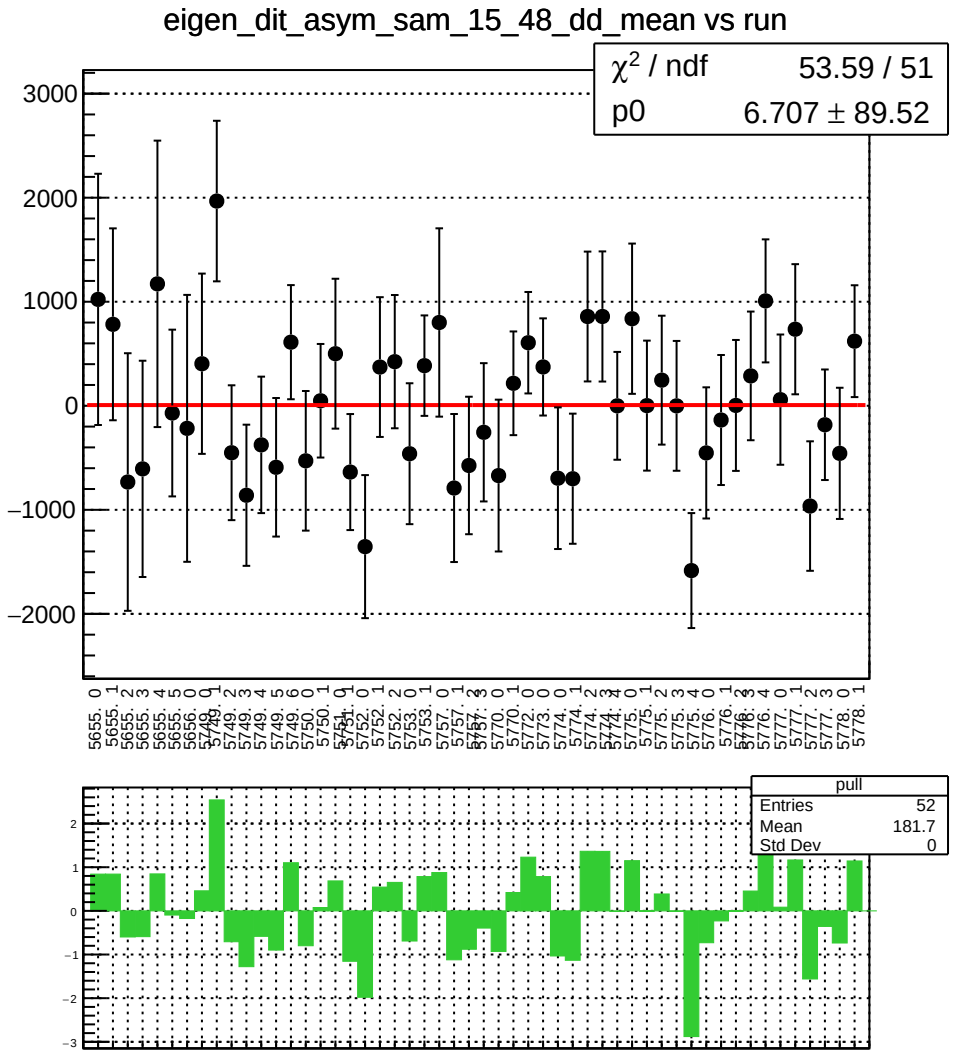
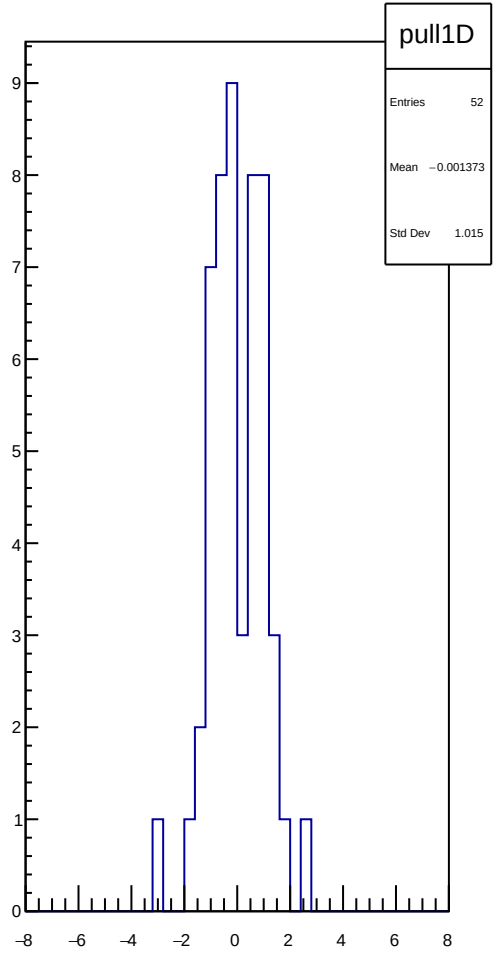
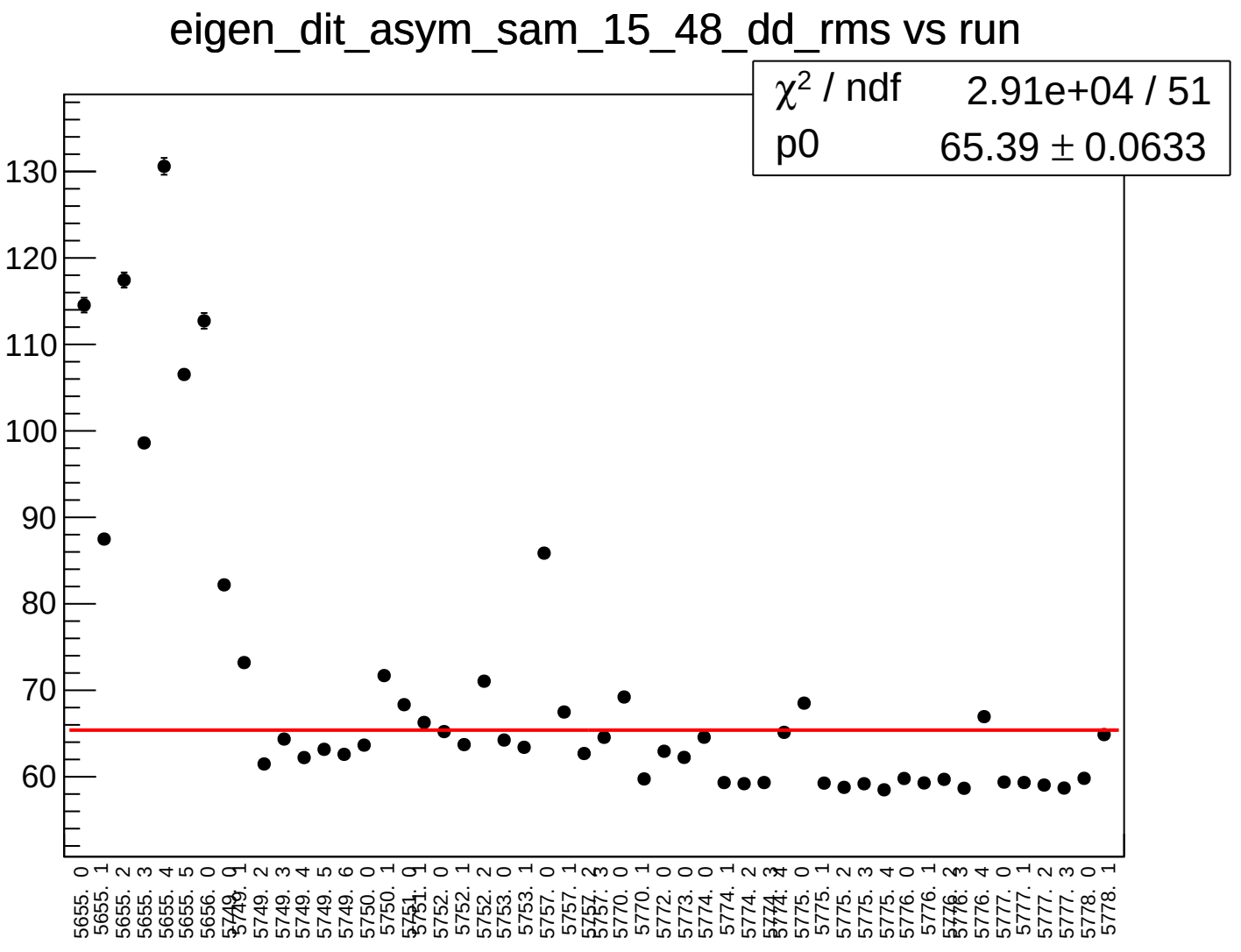

eigen_dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 53.59 / 51
p0 6.707 ± 89.52
pull
Entries 52
Mean 181.7
Std Dev 0


pull1D
Entries 52
Mean −0.001373
Std Dev 1.015


eigen_dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 2.91e+04 / 51
p0 65.39 ± 0.0633
130
120
110
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5655. 0
5655. 1
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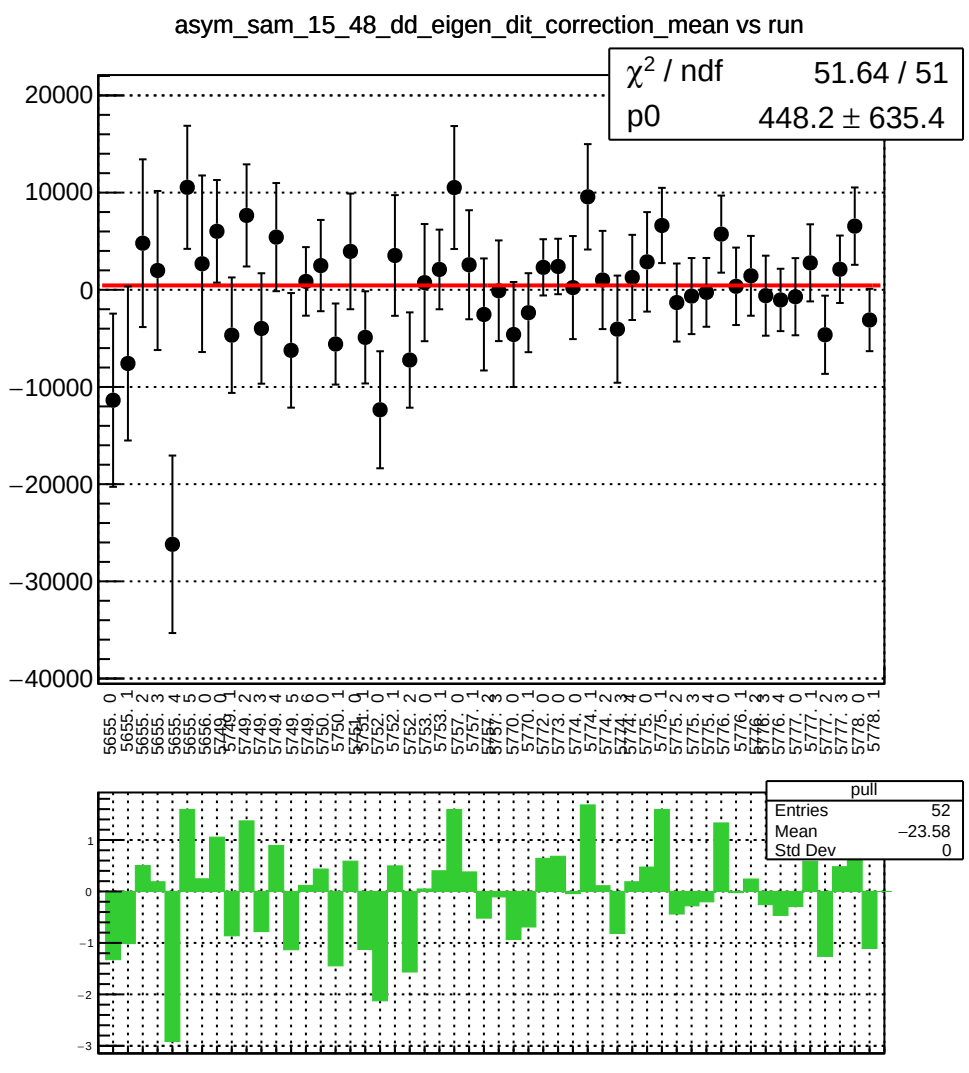
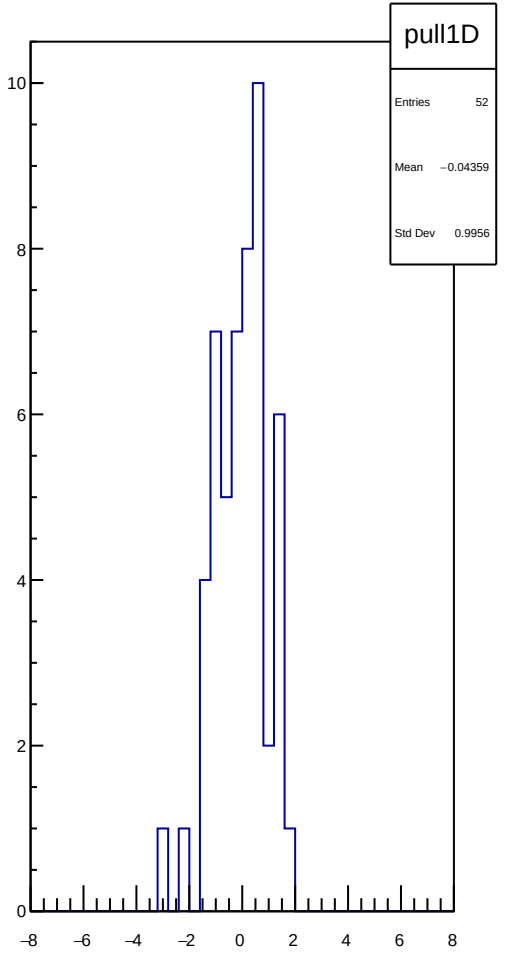
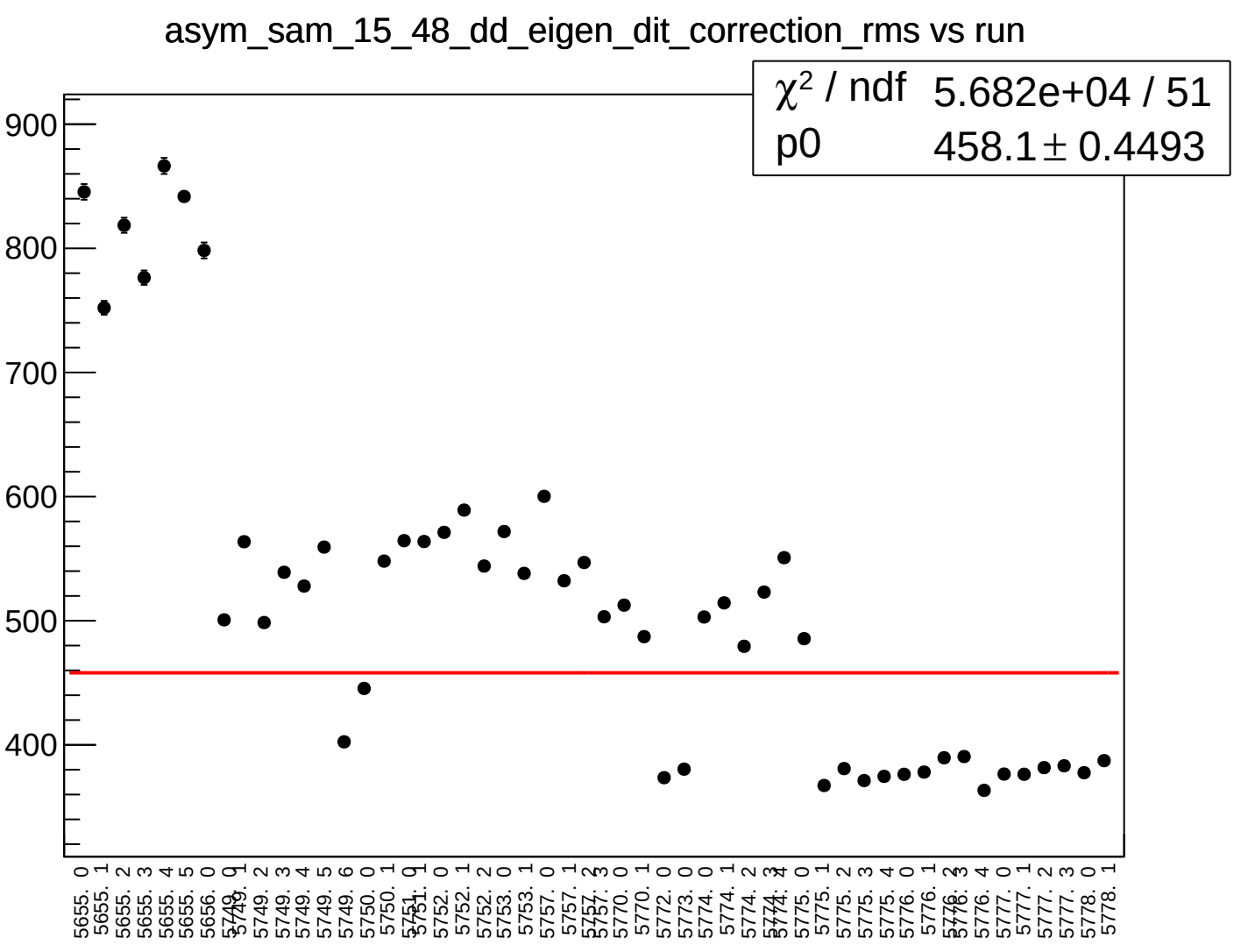
5778. 0
5778. 1


asym_sam_15_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 51.64 / 51
p0 448.2 ± 635.4
pull
Entries 52
Mean −23.58
Std Dev 0


pull1D
Entries 52
Mean −0.04359
Std Dev 0.9956


asym_sam_15_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 5.682e+04 / 51
p0 458.1 ± 0.4493
900
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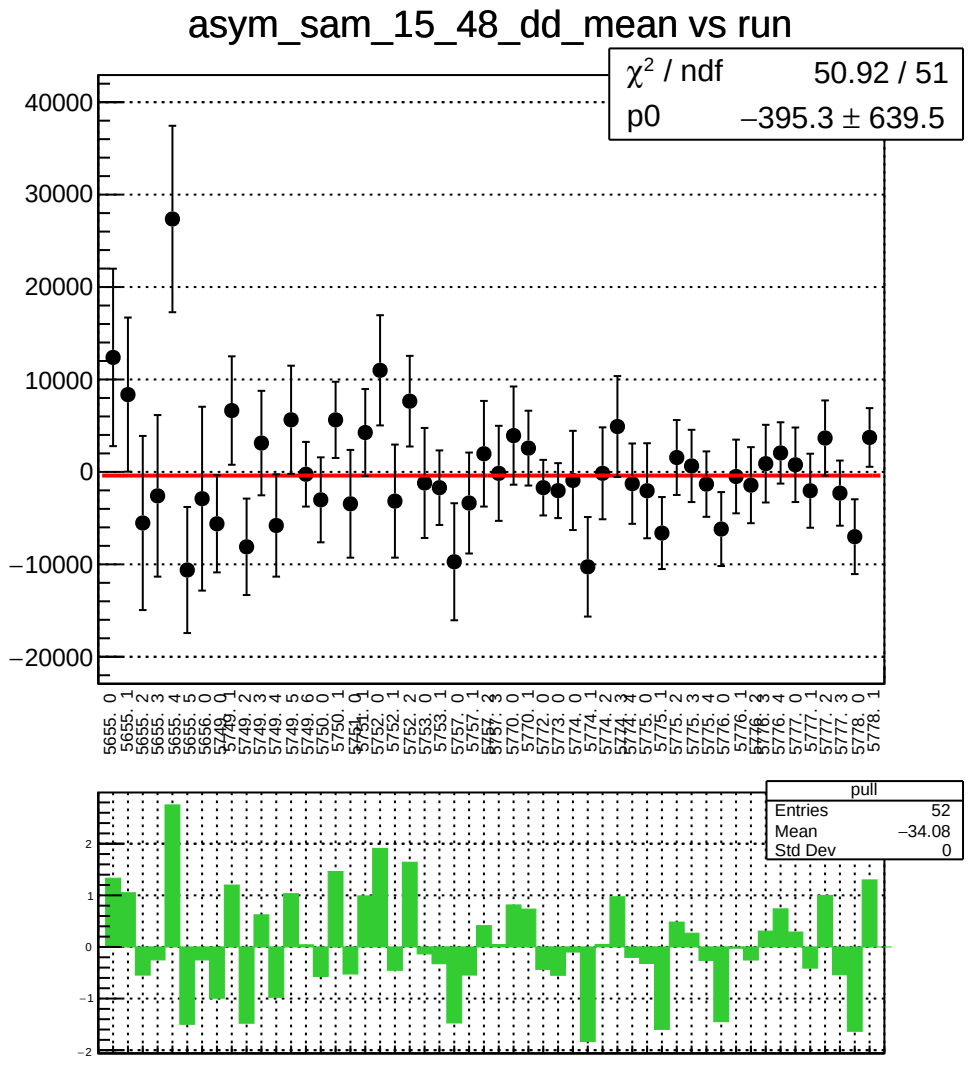
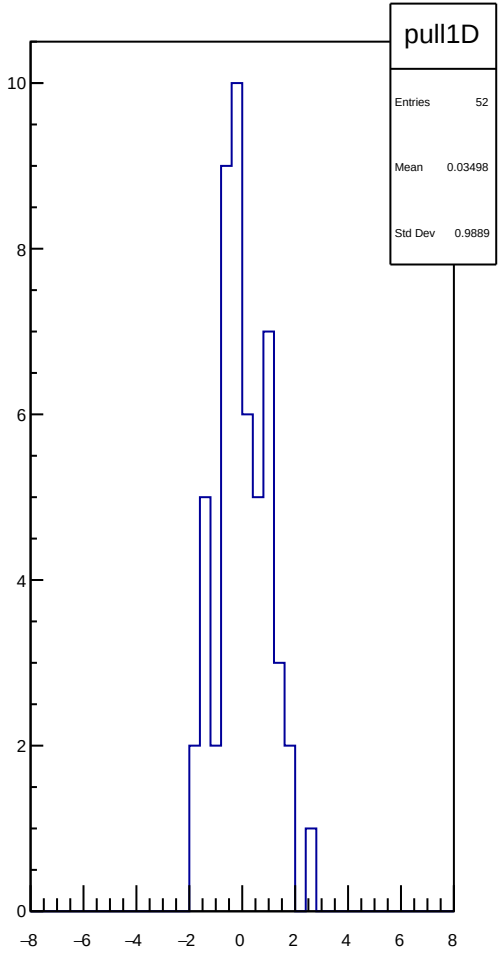
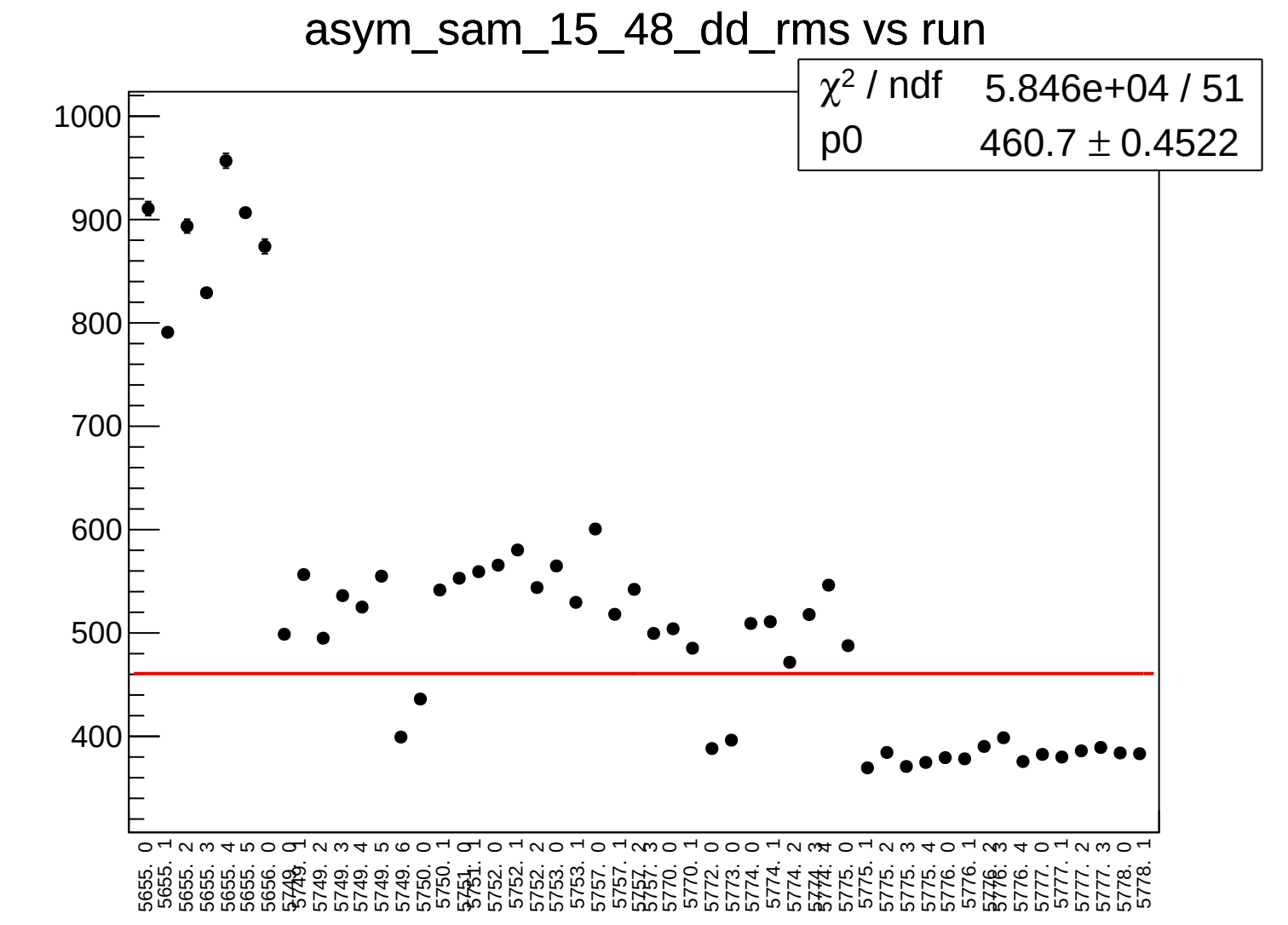
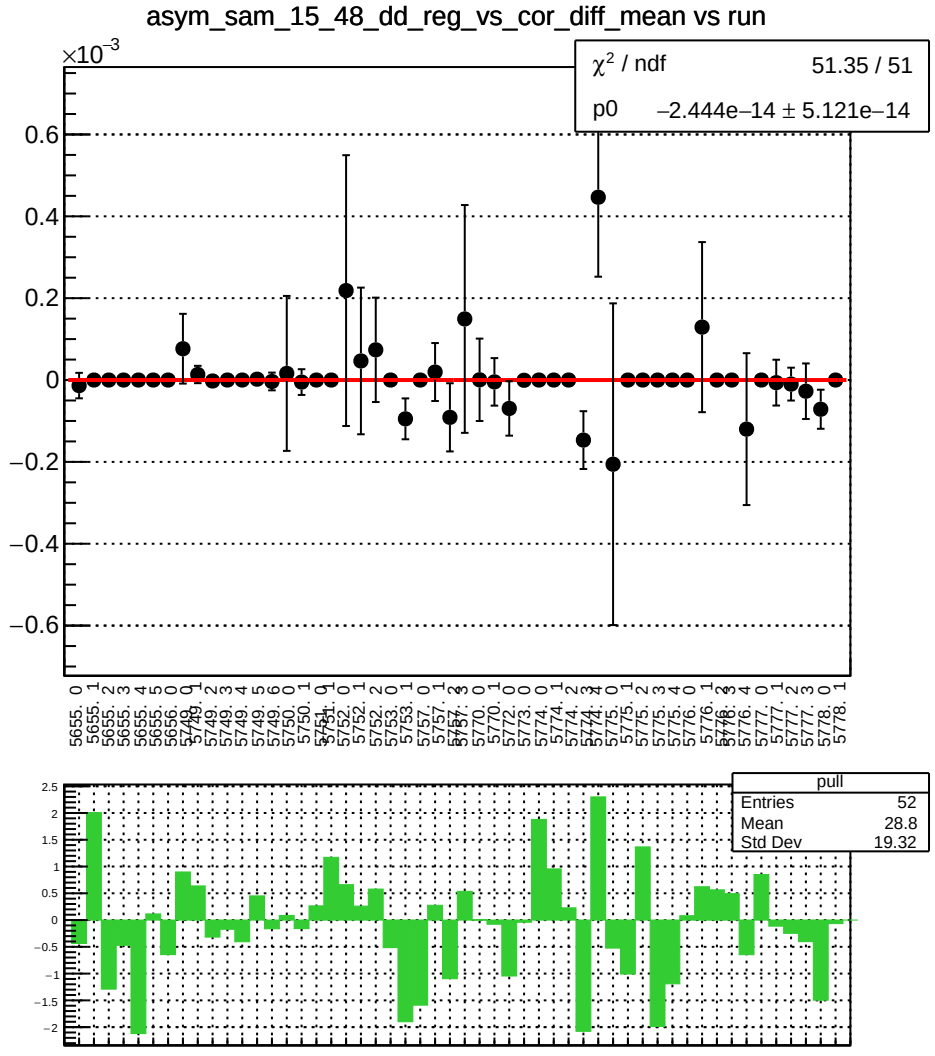
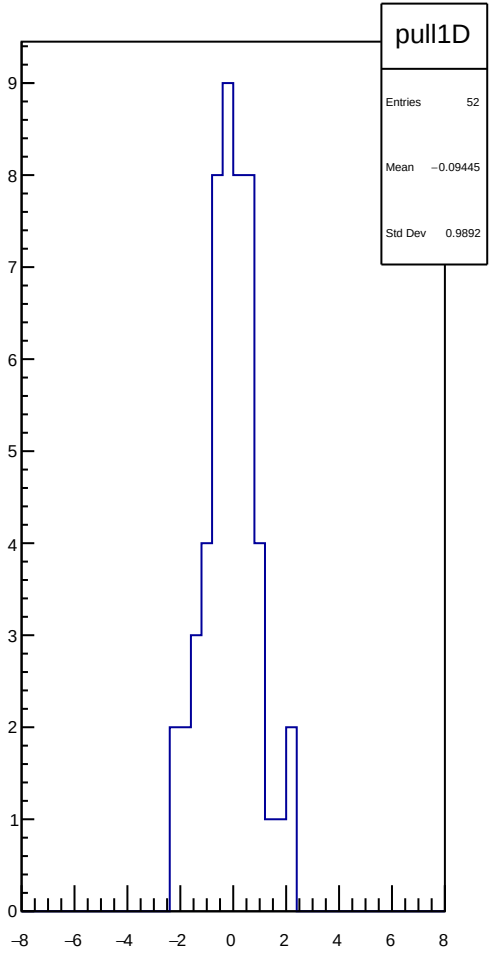
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

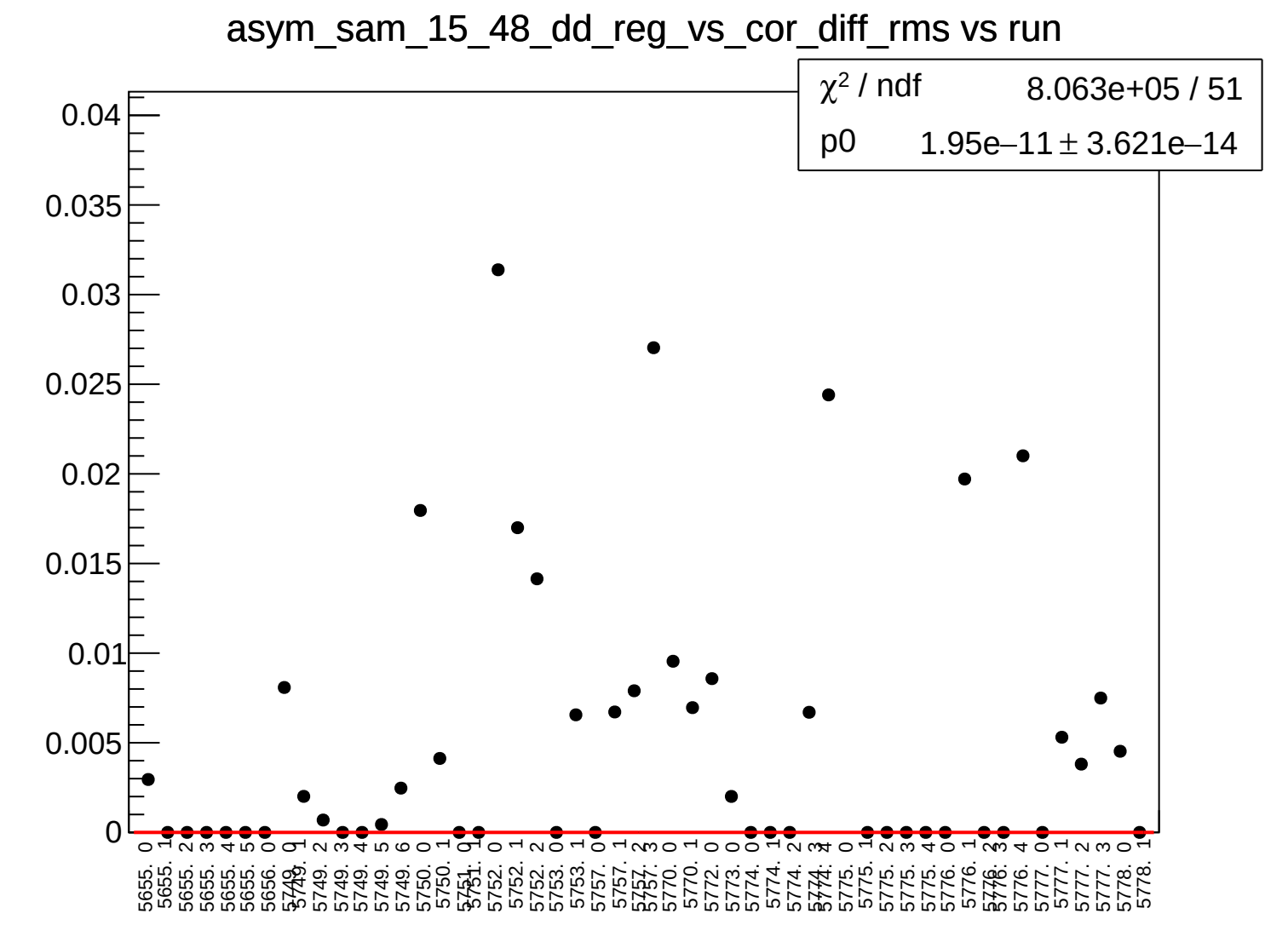

asym_sam_15_48_dd_mean vs run
χ² / ndf 50.92 / 51
p0 −395.3 ± 639.5
pull
Entries 52
Mean −34.08
Std Dev 0

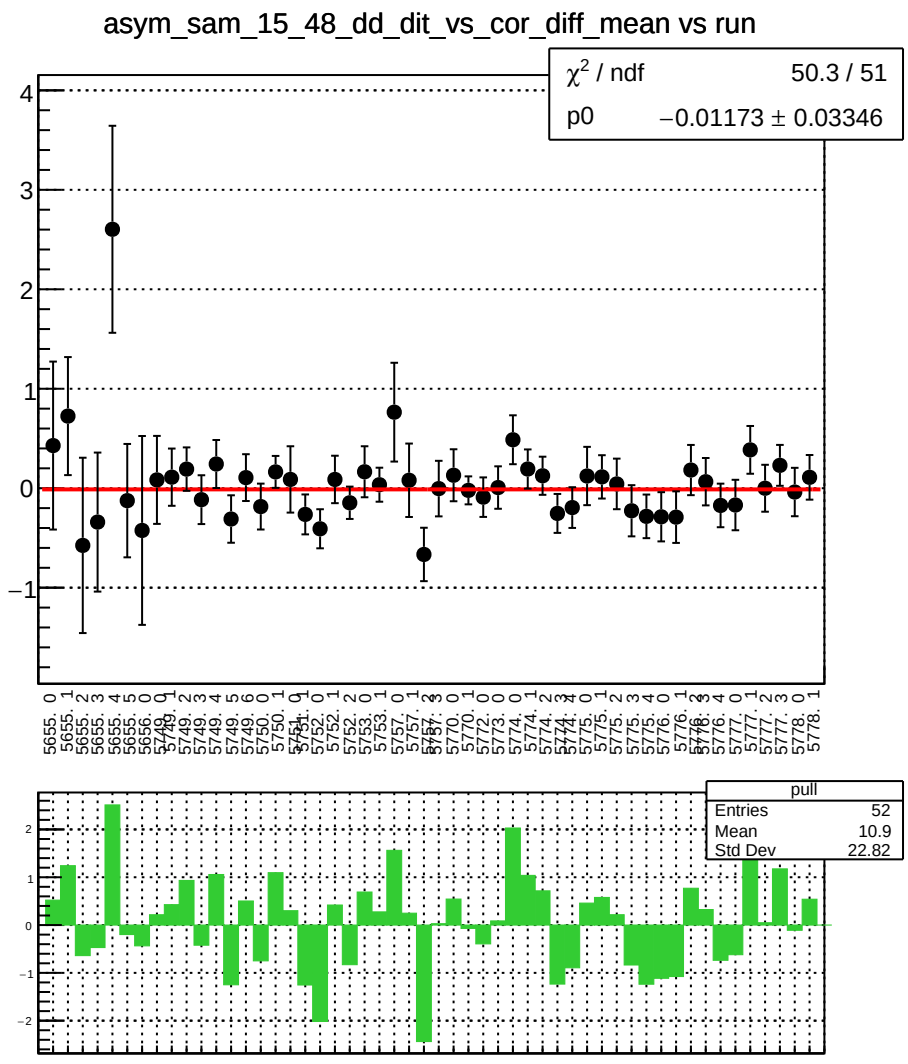

pull1D
Entries 52
Mean 0.03498
Std Dev 0.9889

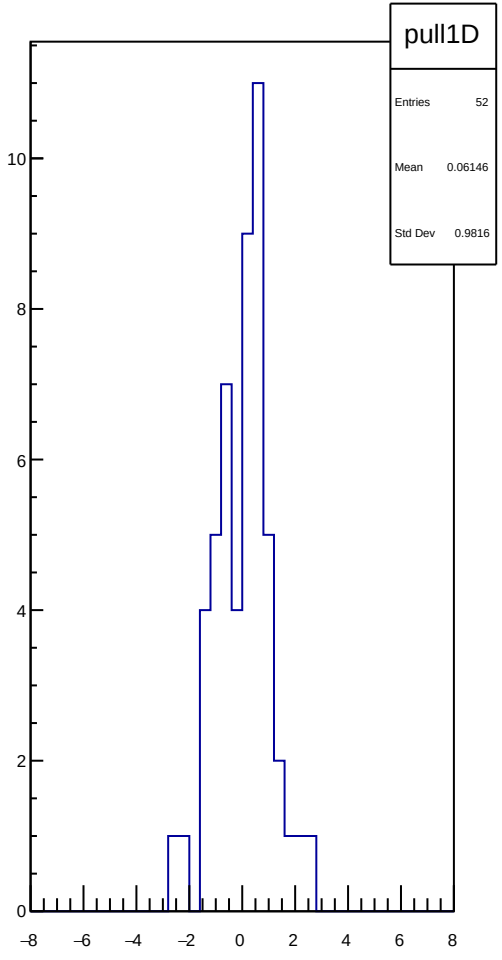

asym_sam_15_48_dd_rms vs run
χ^2 / ndf 5.846e+04 / 51
p0 460.7 ± 0.4522
1000
900
800
700
600
500
400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

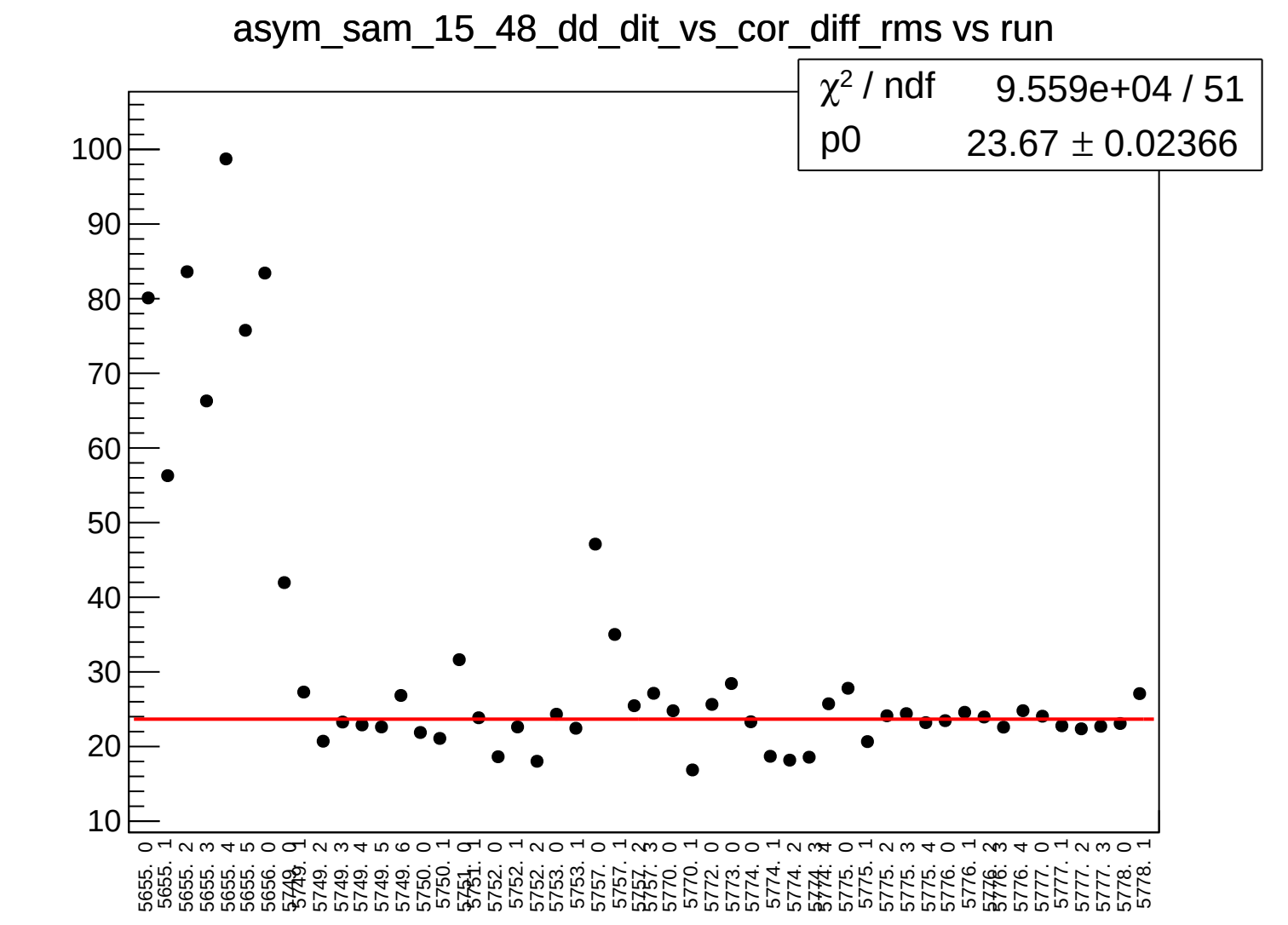

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 51.35 / 51
p0 −2.444e−14 ± 5.121e−14
pull
Entries 52
Mean 28.8
Std Dev 19.32

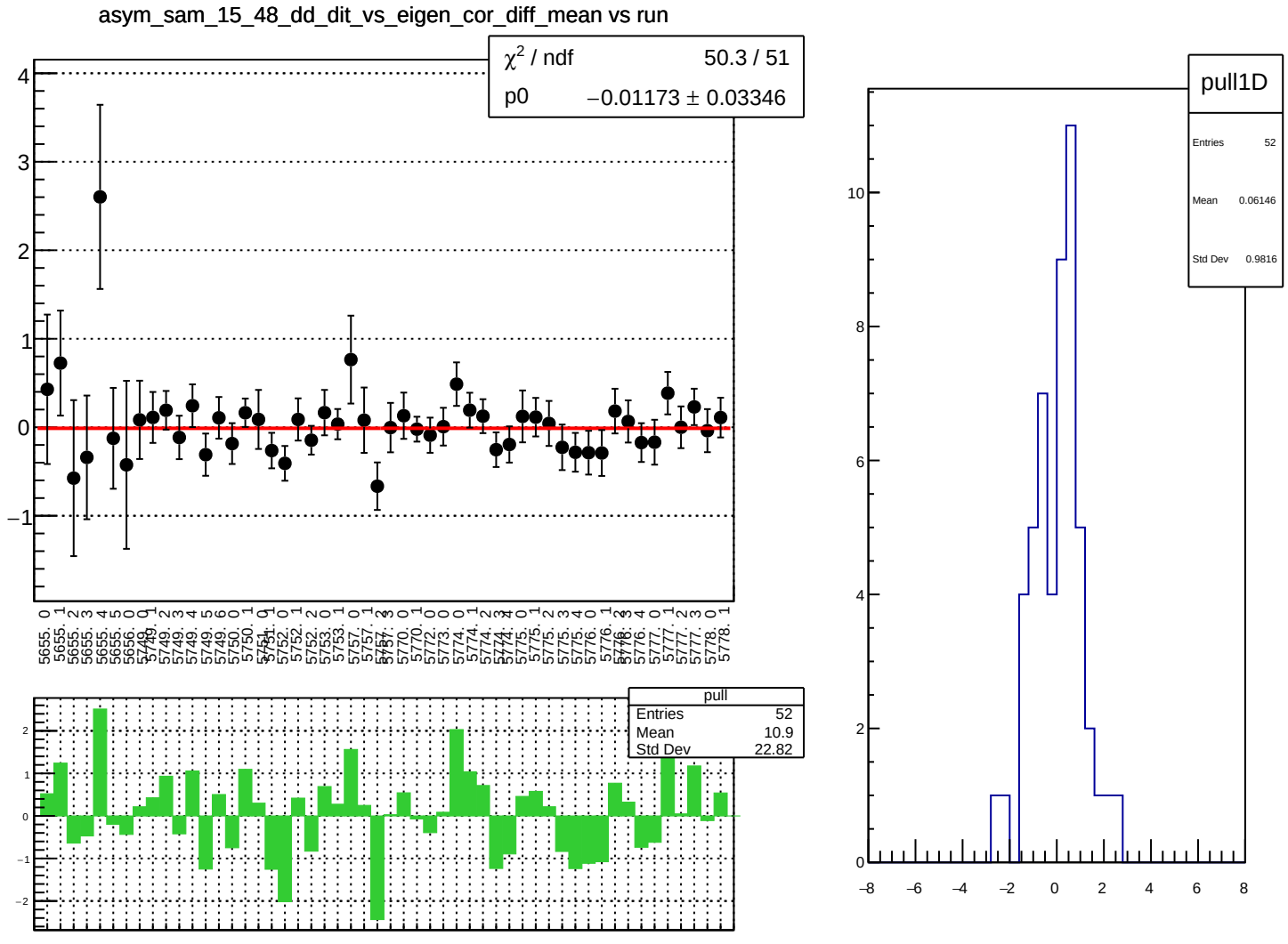

pull1D
Entries 52
Mean −0.09445
Std Dev 0.9892

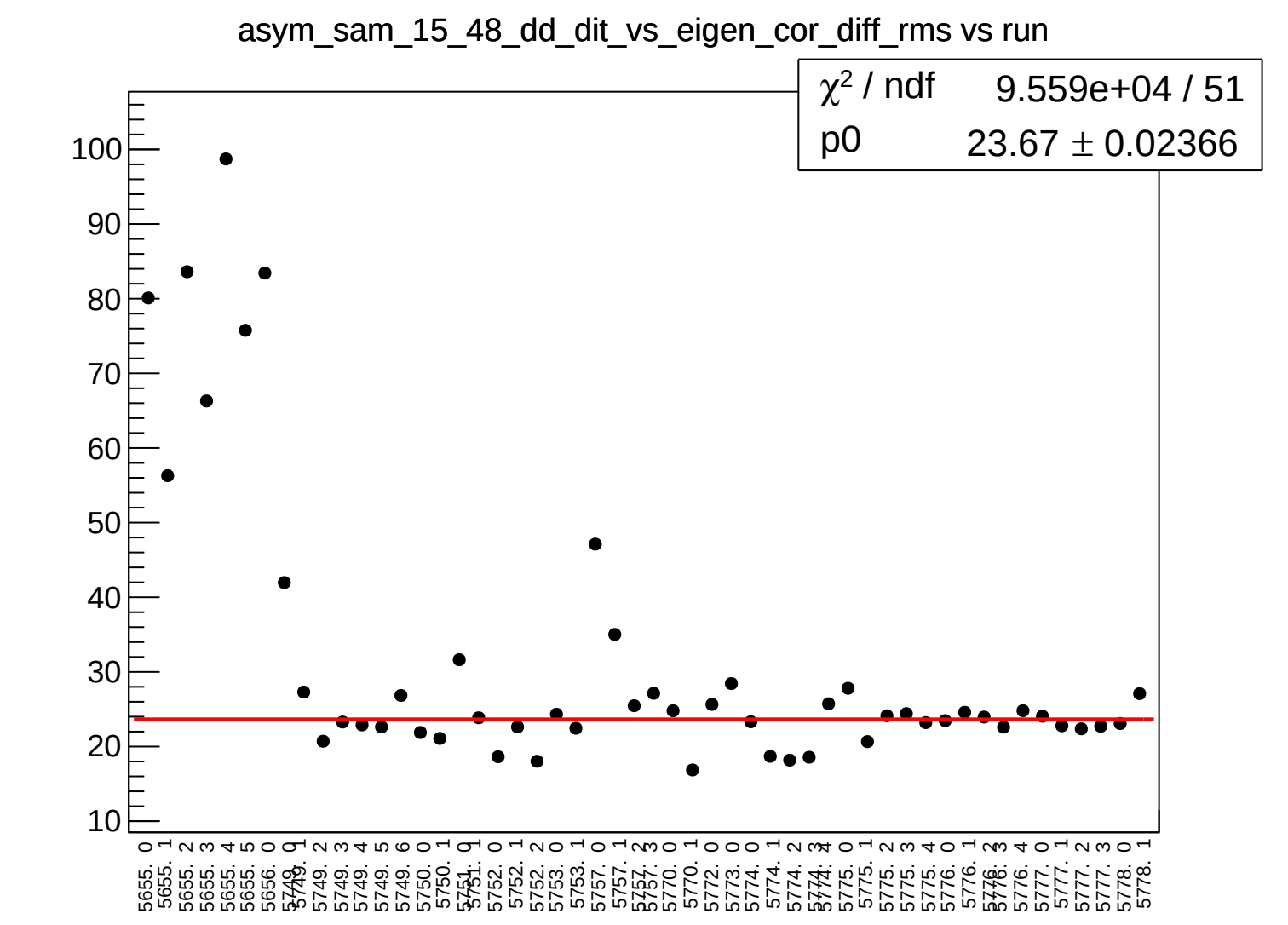

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.063e+05 / 51
p0 1.95e−11 ± 3.621e−14
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

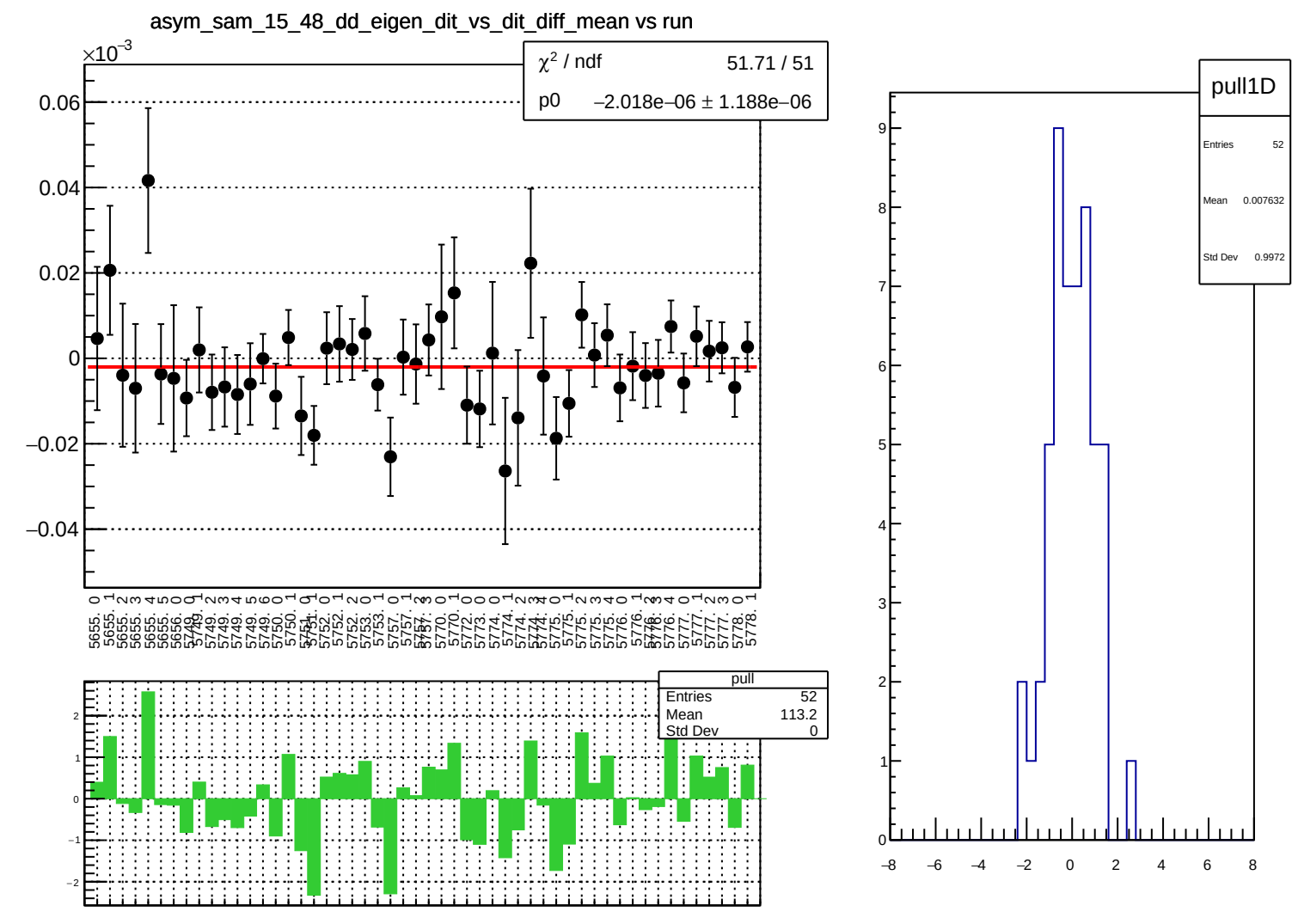

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 50.3 / 51
p0 −0.01173 ± 0.03346
pull
Entries 52
Mean 10.9
Std Dev 22.82

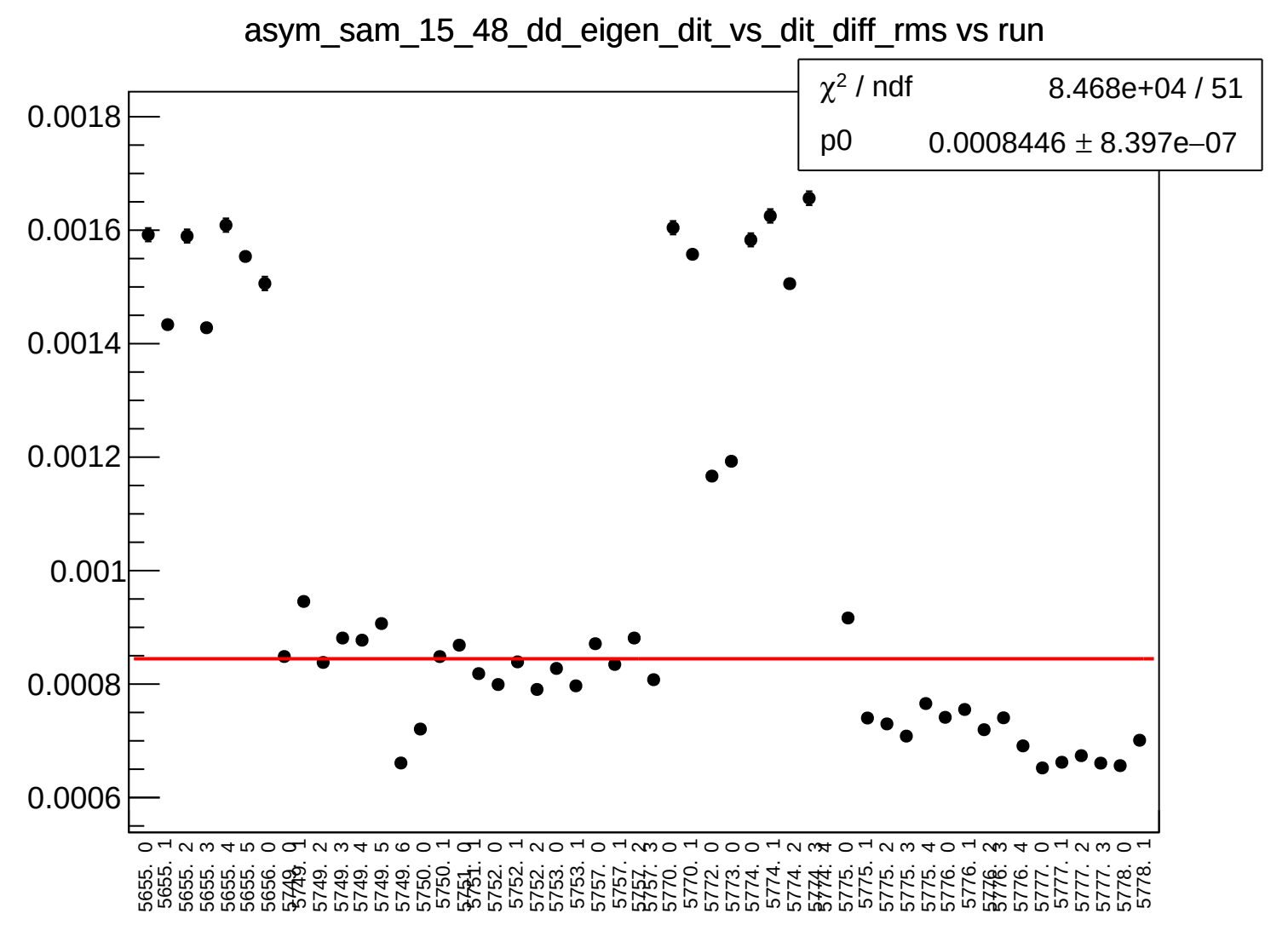

pull1D
Entries 52
Mean 0.06146
Std Dev 0.9816

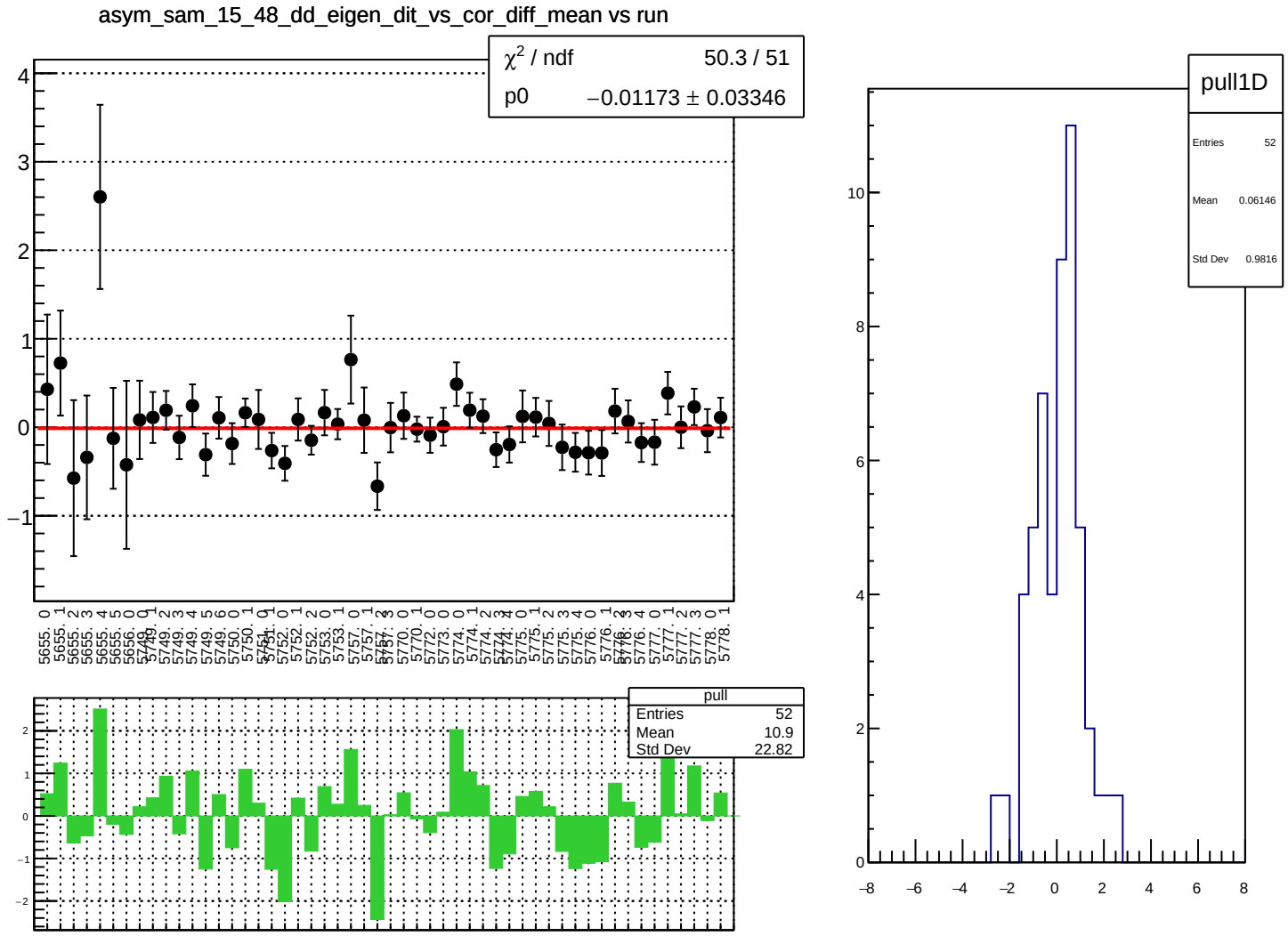

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 9.559e+04 / 51
p0 23.67 ± 0.02366
100
90
80
70
60
50
40
30
20
10
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

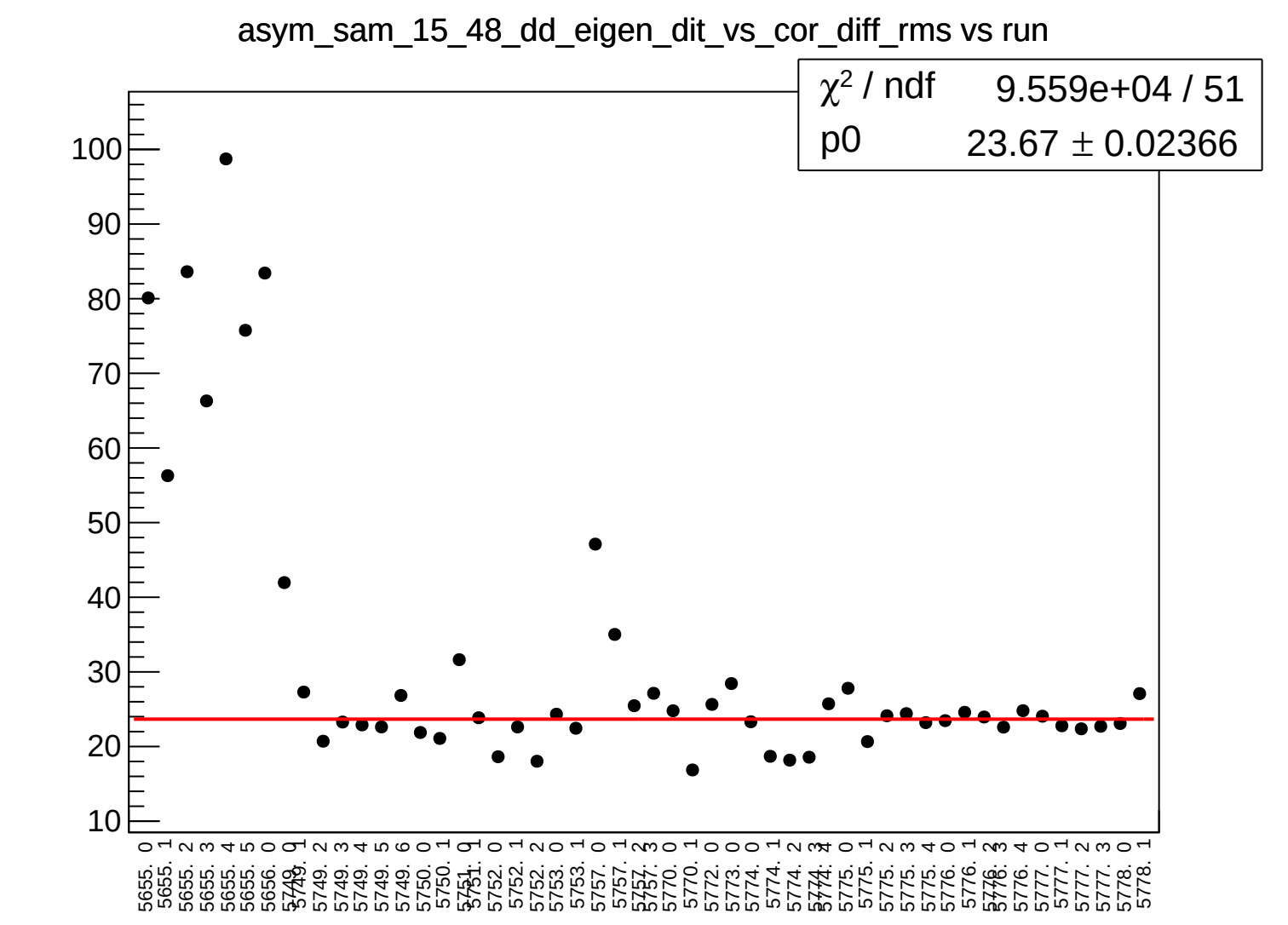

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.3 / 51
p0 −0.01173 ± 0.03346
pull
Entries 52
Mean 10.9
Std Dev 22.82
pull1D
Entries 52
Mean 0.06146
Std Dev 0.9816

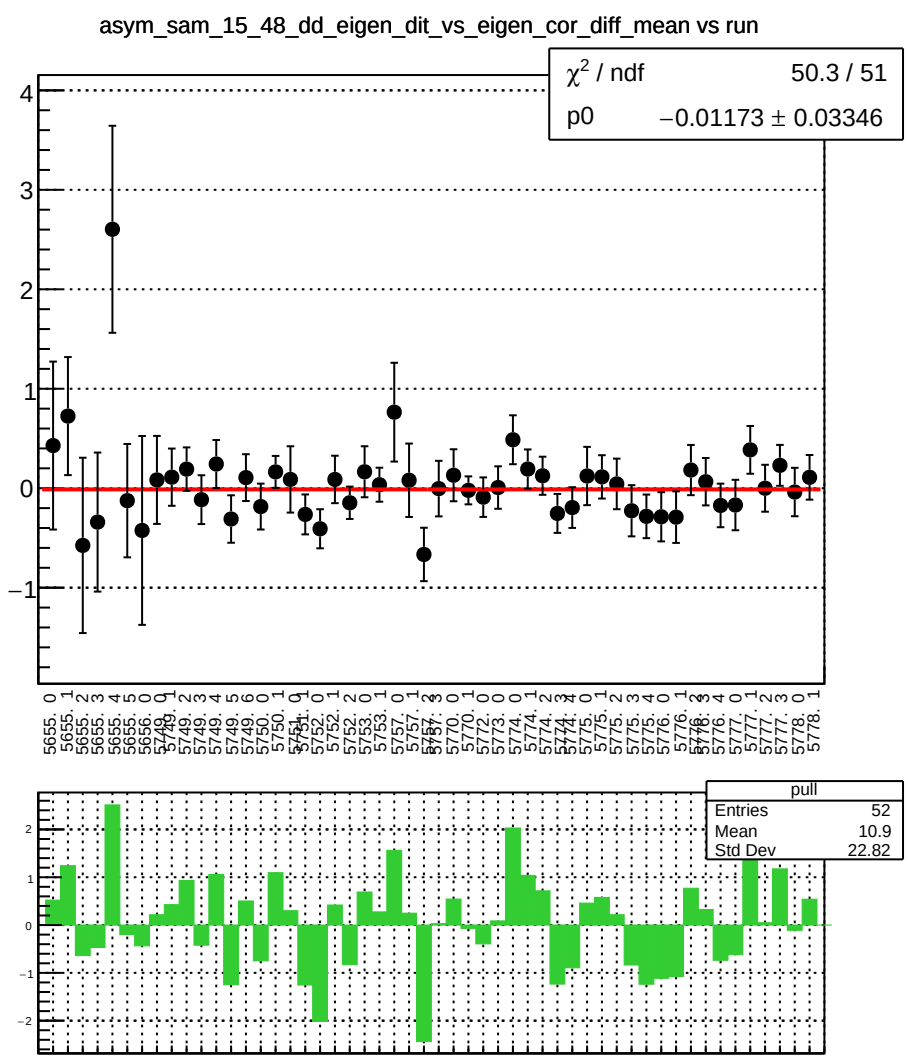

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 9.559e+04 / 51
p0 23.67 ± 0.02366
100
90
80
70
60
50
40
30
20
10
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

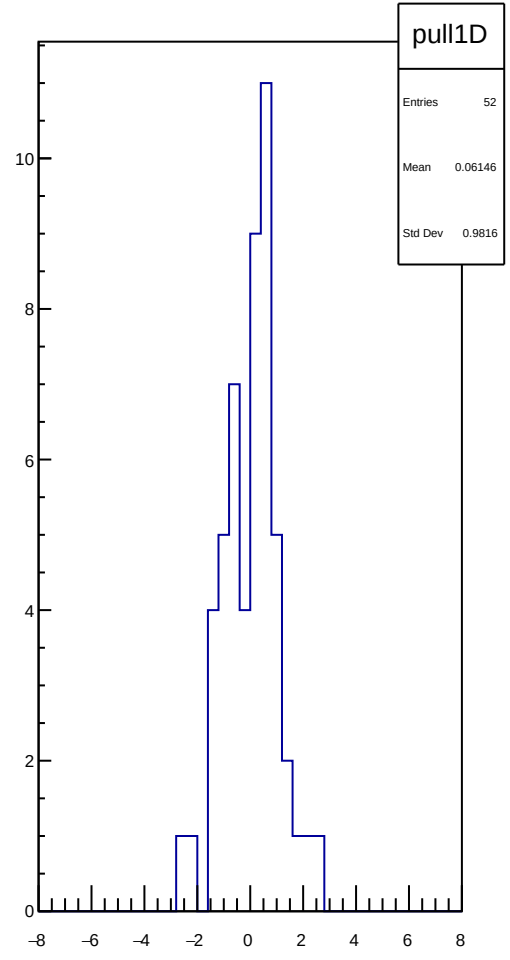

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 51.71 / 51
p0 −2.018e−06 ± 1.188e−06
0.06
0.04
0.02
0
−0.02
−0.04
pull
Entries 52
Mean 113.2
Std Dev 0
pull1D
Entries 52
Mean 0.007632
Std Dev 0.9972

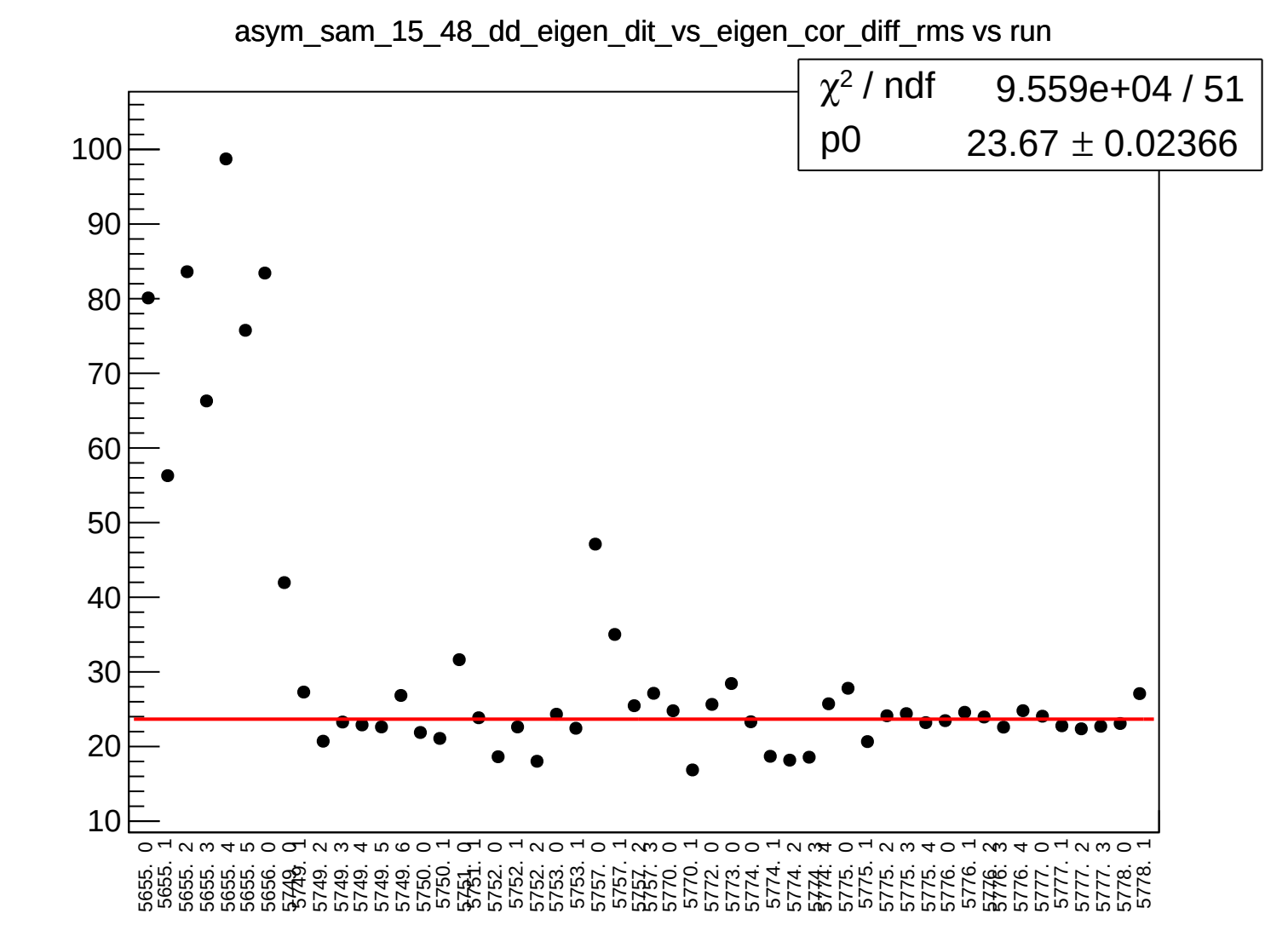

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8.468e+04 / 51
p0 0.0008446 ± 8.397e−07
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.3 / 51
p0 −0.01173 ± 0.03346
pull
Entries 52
Mean 10.9
Std Dev 22.82
pull1D
Entries 52
Mean 0.06146
Std Dev 0.9816


asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.559e+04 / 51
p0 23.67 ± 0.02366
100
90
80
70
60
50
40
30
20
10
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.3 / 51
p0 −0.01173 ± 0.03346
pull
Entries 52
Mean 10.9
Std Dev 22.82


pull1D
Entries 52
Mean 0.06146
Std Dev 0.9816


asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.559e+04 / 51
p0 23.67 ± 0.02366
100
90
80
70
60
50
40
30
20
10
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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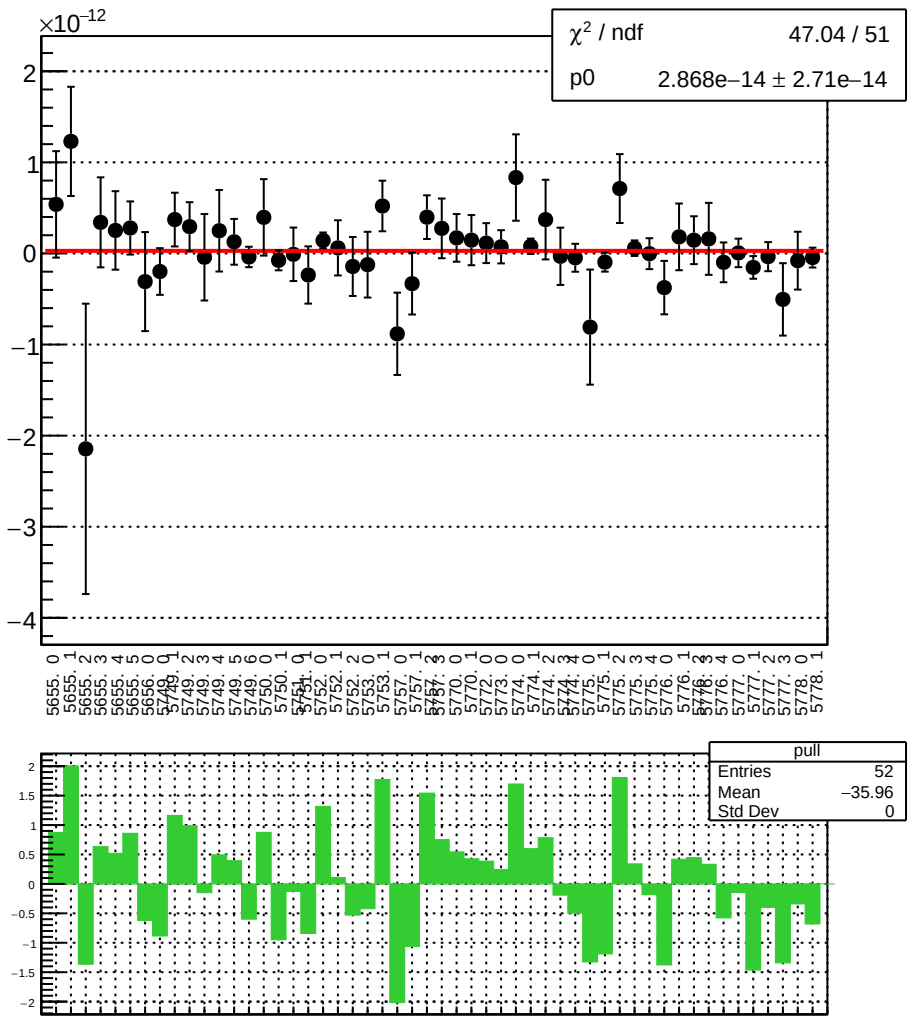
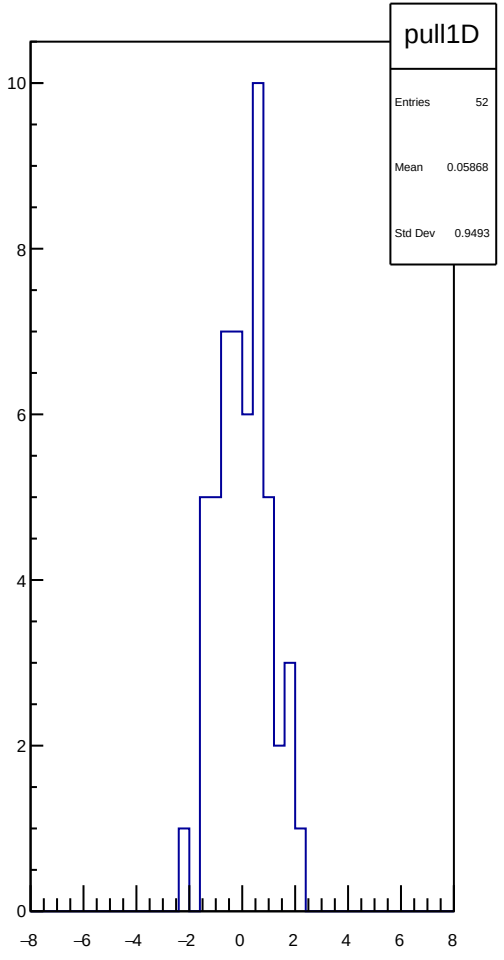
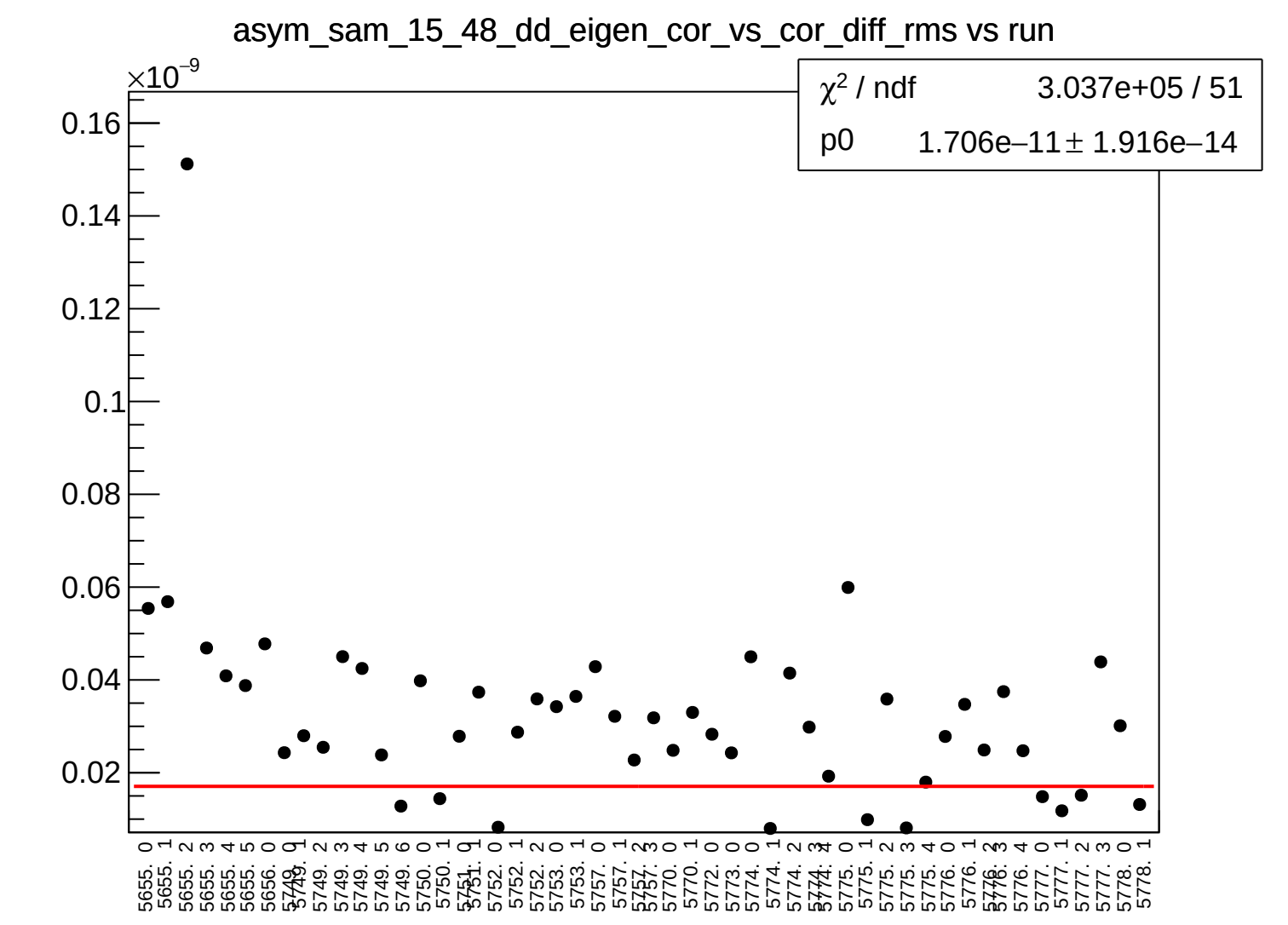
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.04 / 51
p0 2.868e−14 ± 2.71e−14
pull
Entries 52
Mean −35.96
Std Dev 0


pull1D
Entries 52
Mean 0.05868
Std Dev 0.9493


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.037e+05 / 51
p0 1.706e−11 ± 1.916e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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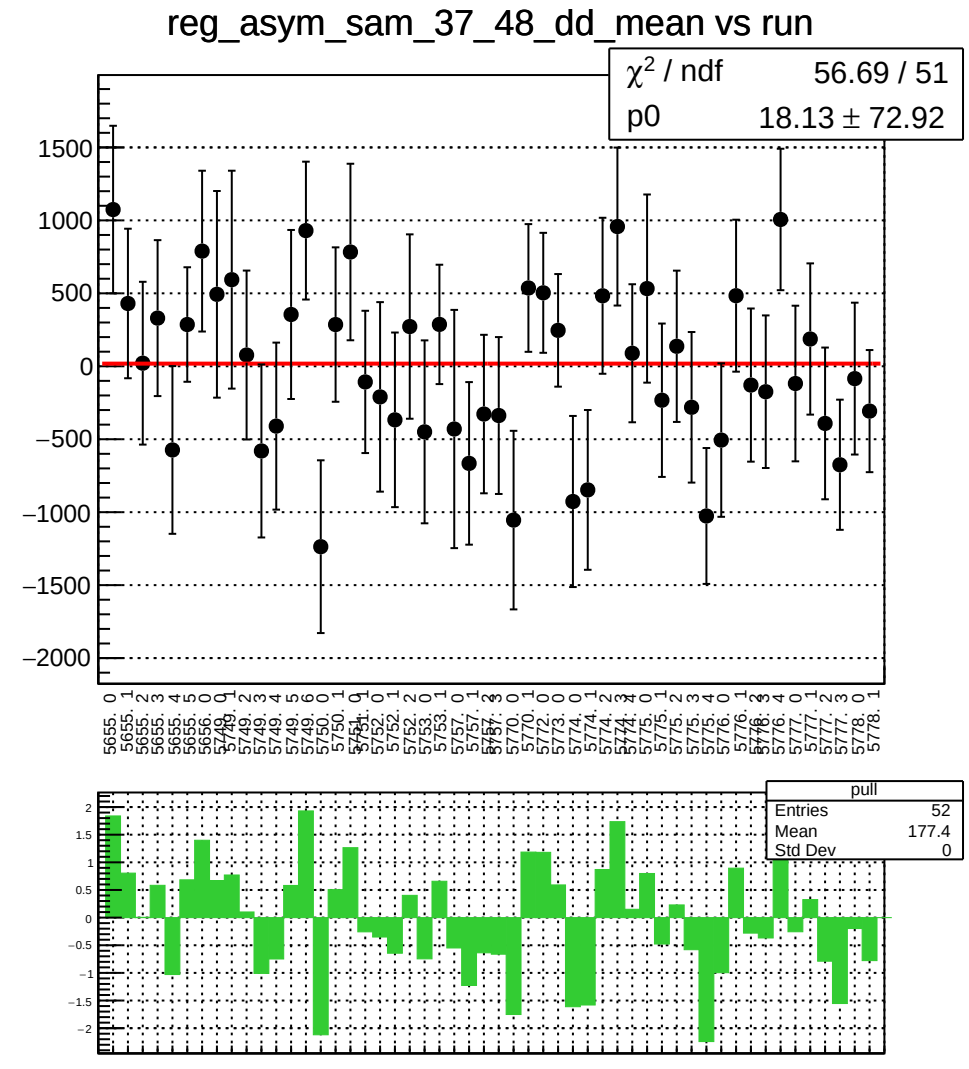
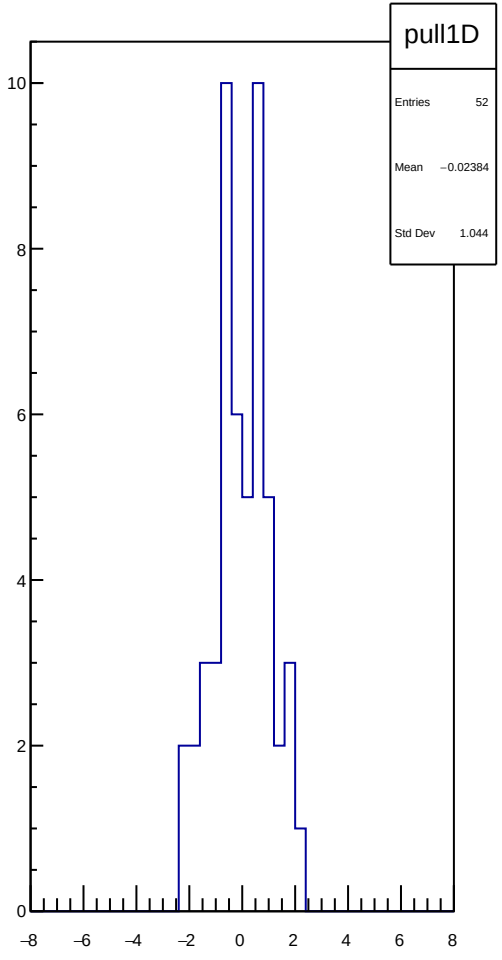
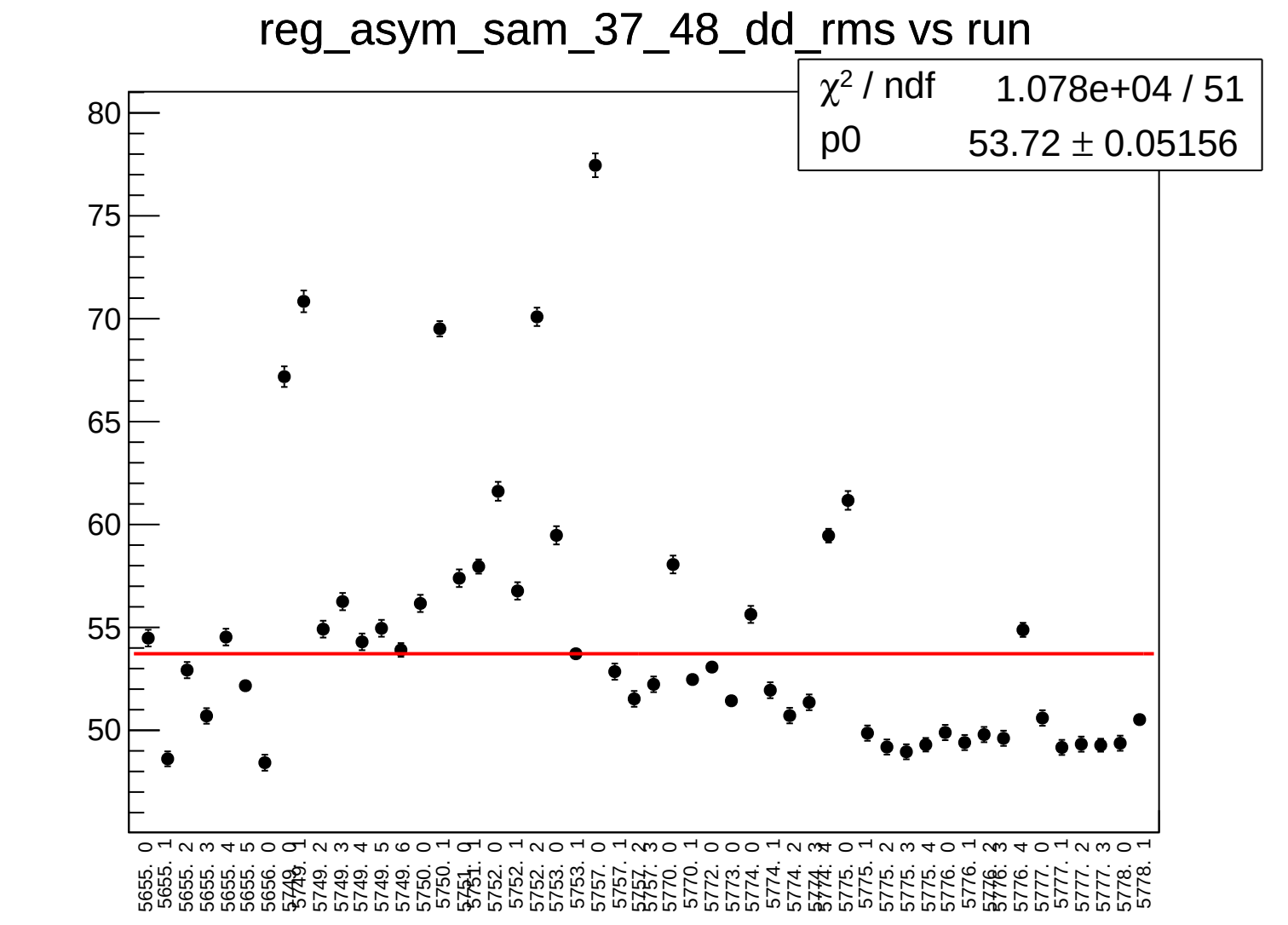
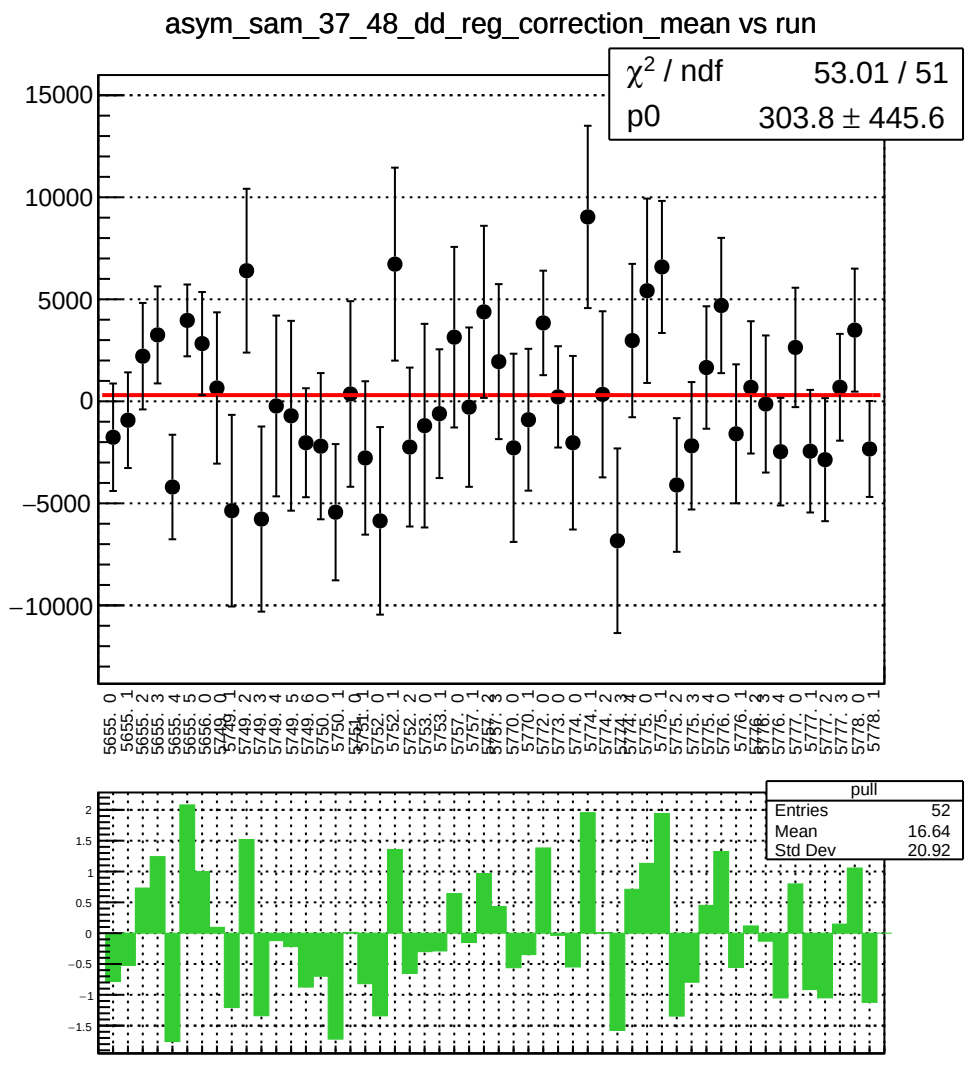
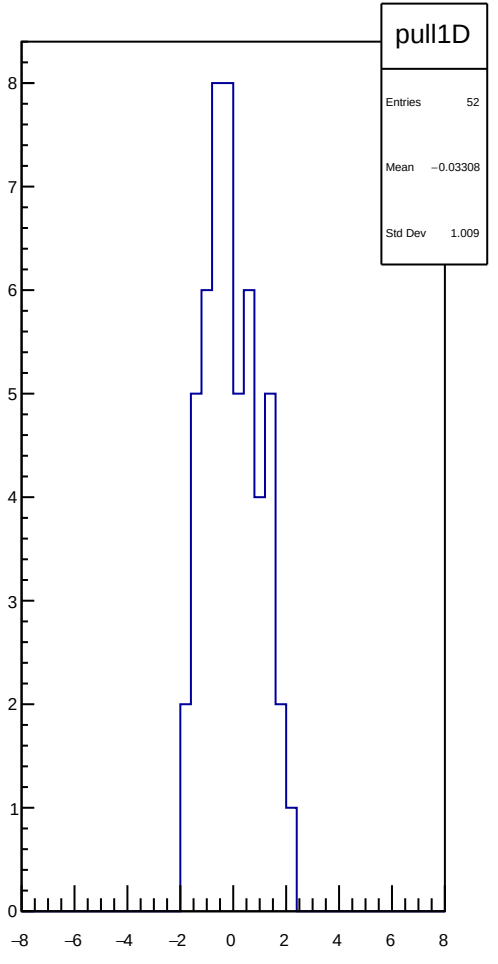
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

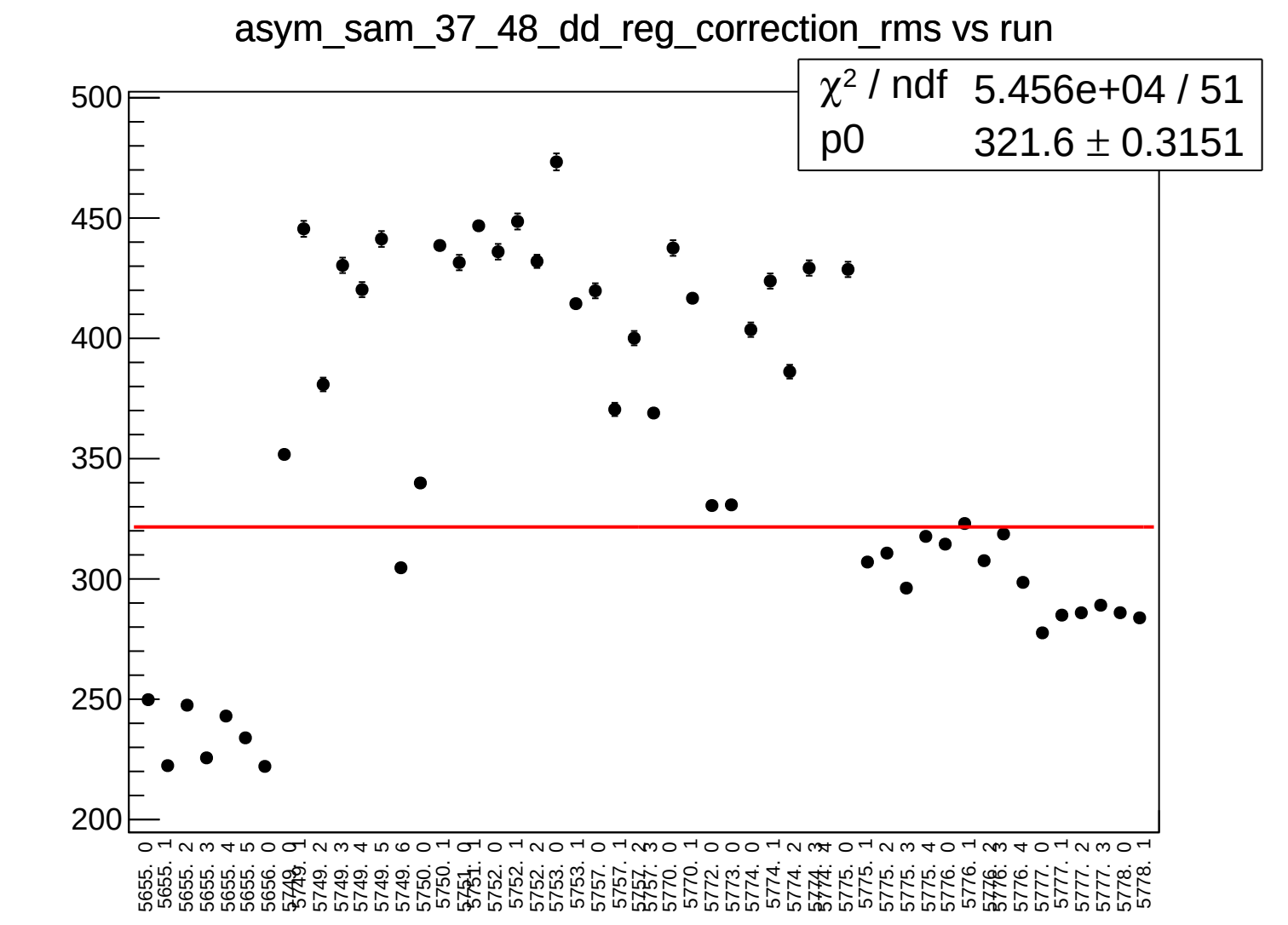

reg_asym_sam_37_48_dd_mean vs run
χ² / ndf 56.69 / 51
p0 18.13 ± 72.92
pull
Entries 52
Mean 177.4
Std Dev 0

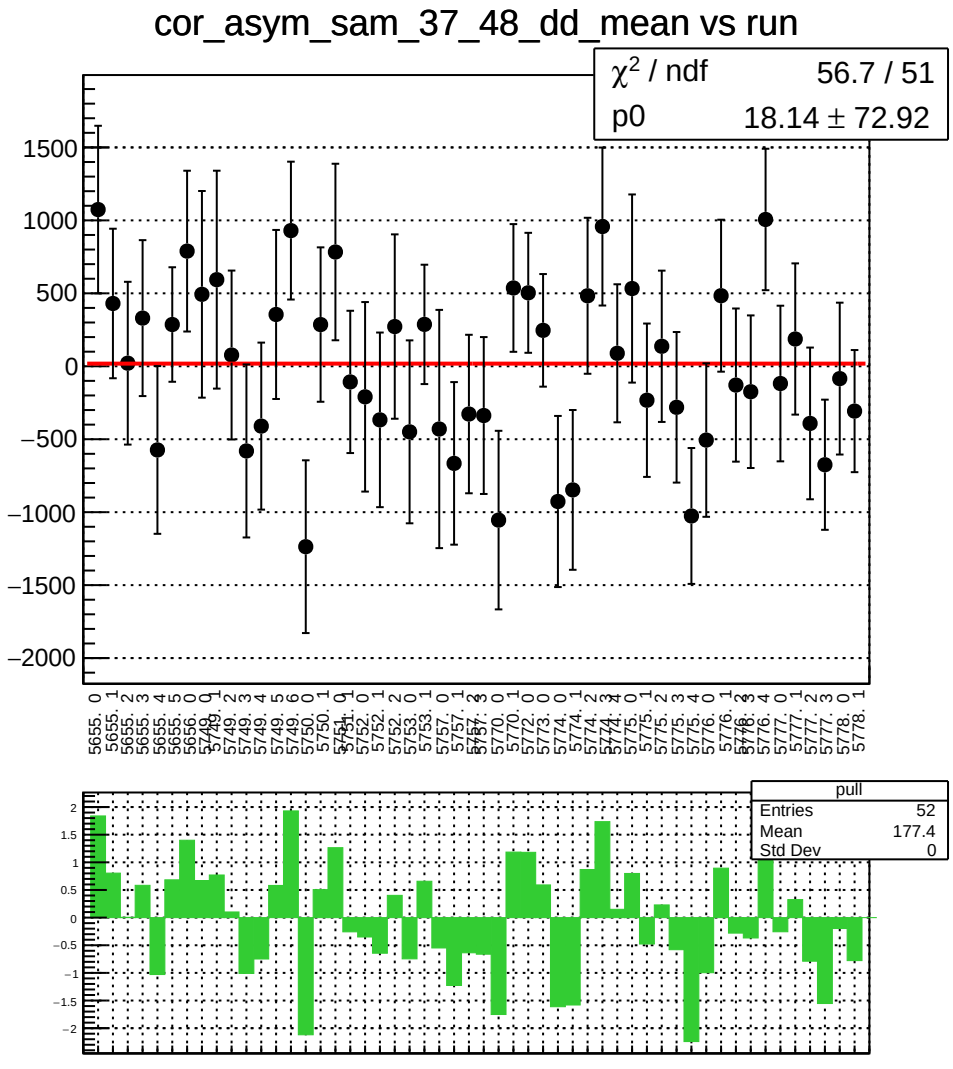

pull1D
Entries 52
Mean −0.02384
Std Dev 1.044

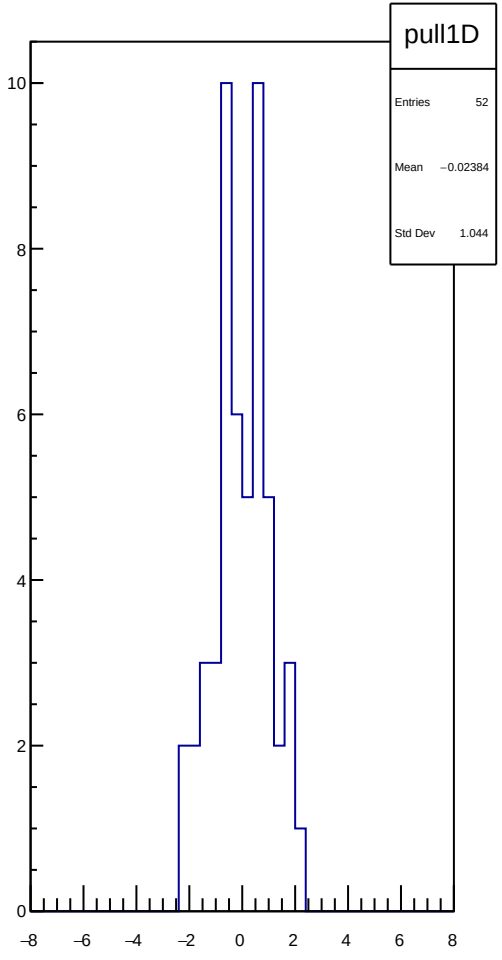

reg_asym_sam_37_48_dd_rms vs run
χ² / ndf 1.078e+04 / 51
p0 53.72 ± 0.05156
80
75
70
65
60
55
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

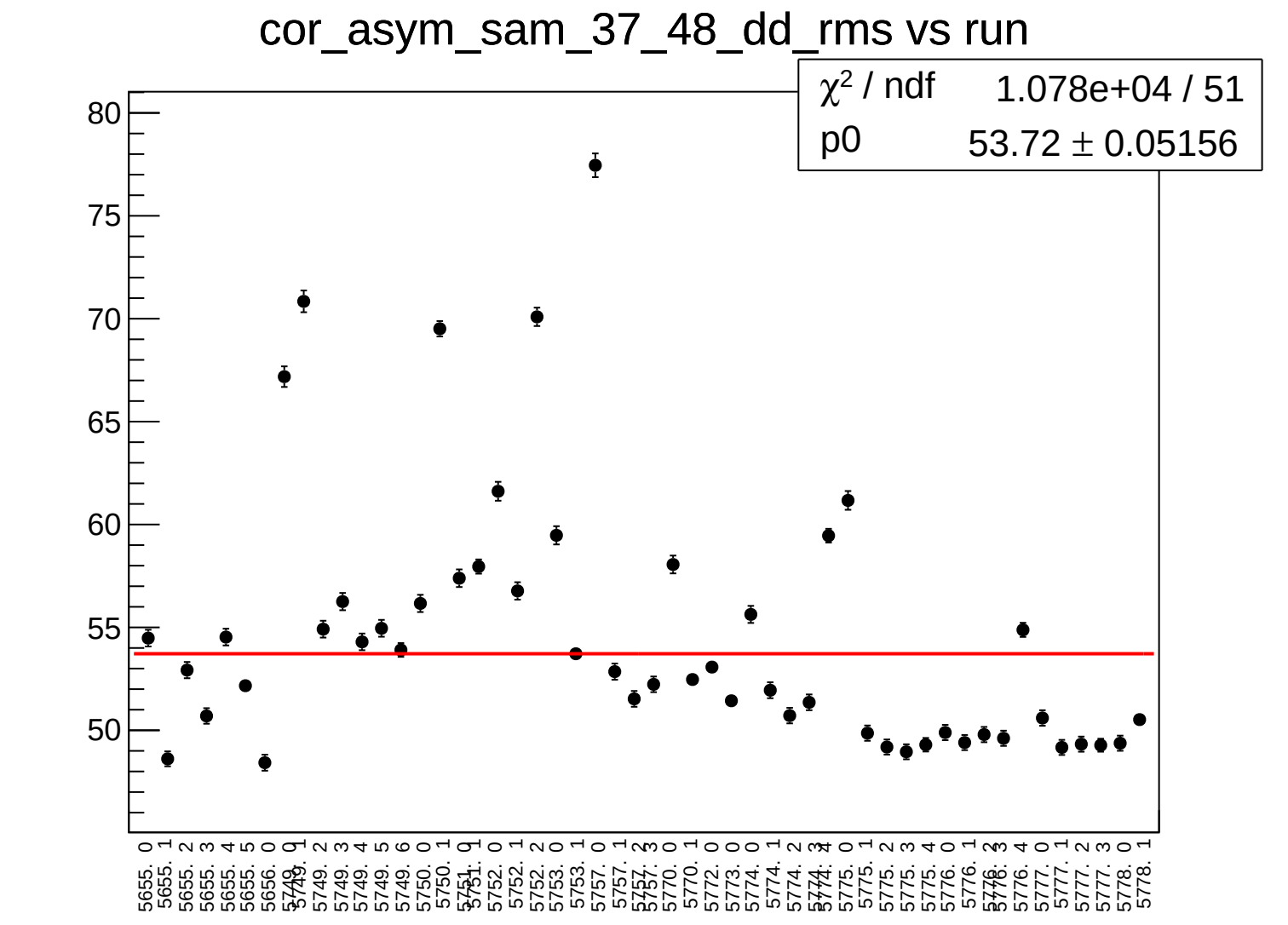

asym_sam_37_48_dd_reg_correction_mean vs run
χ² / ndf 53.01 / 51
p0 303.8 ± 445.6
15000
10000
5000
0
−5000
−10000
pull
Entries 52
Mean 16.64
Std Dev 20.92
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 52
Mean −0.03308
Std Dev 1.009
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_48_dd_reg_correction_rms vs run
χ² / ndf 5.456e+04 / 51
p0 321.6 ± 0.3151
500
450
400
350
300
250
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 56.7 / 51
p0 18.14 ± 72.92
pull
Entries 52
Mean 177.4
Std Dev 0


pull1D
Entries 52
Mean −0.02384
Std Dev 1.044


cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 1.078e+04 / 51
p0 53.72 ± 0.05156
80
75
70
65
60
55
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
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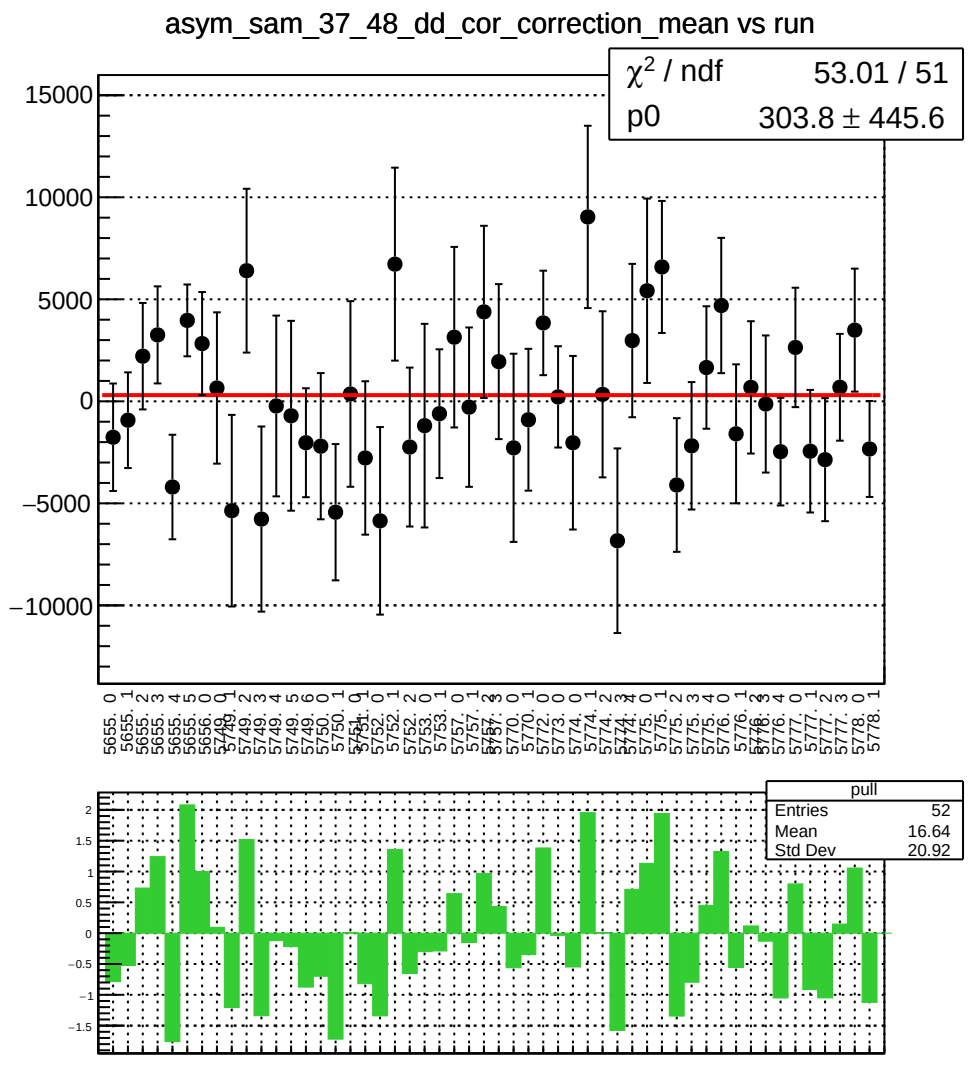
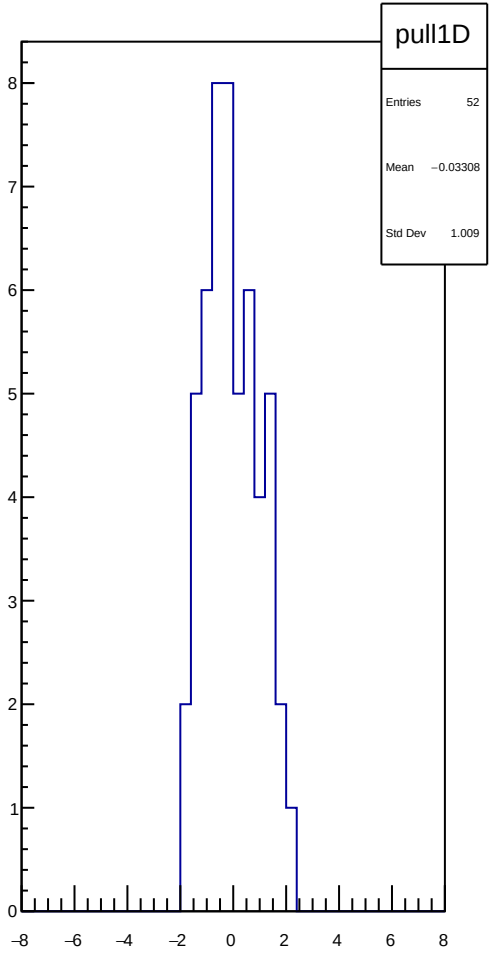
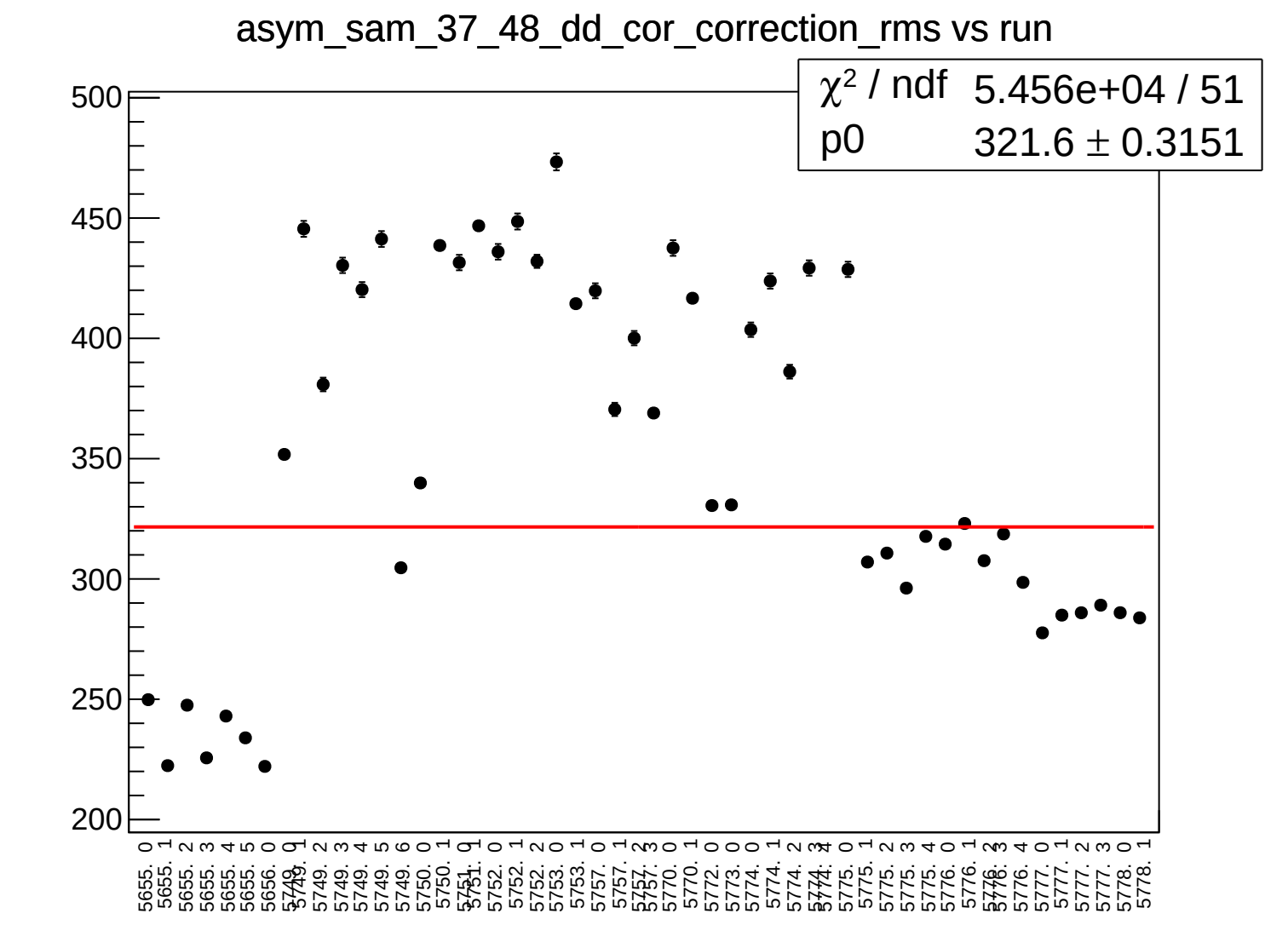
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_37_48_dd_cor_correction_mean vs run
χ² / ndf 53.01 / 51
p0 303.8 ± 445.6
15000
10000
5000
0
−5000
−10000
pull
Entries 52
Mean 16.64
Std Dev 20.92
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 52
Mean −0.03308
Std Dev 1.009
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_48_dd_cor_correction_rms vs run
χ² / ndf 5.456e+04 / 51
p0 321.6 ± 0.3151
500
450
400
350
300
250
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
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5775. 1
5775. 2
5775. 3
5775. 4
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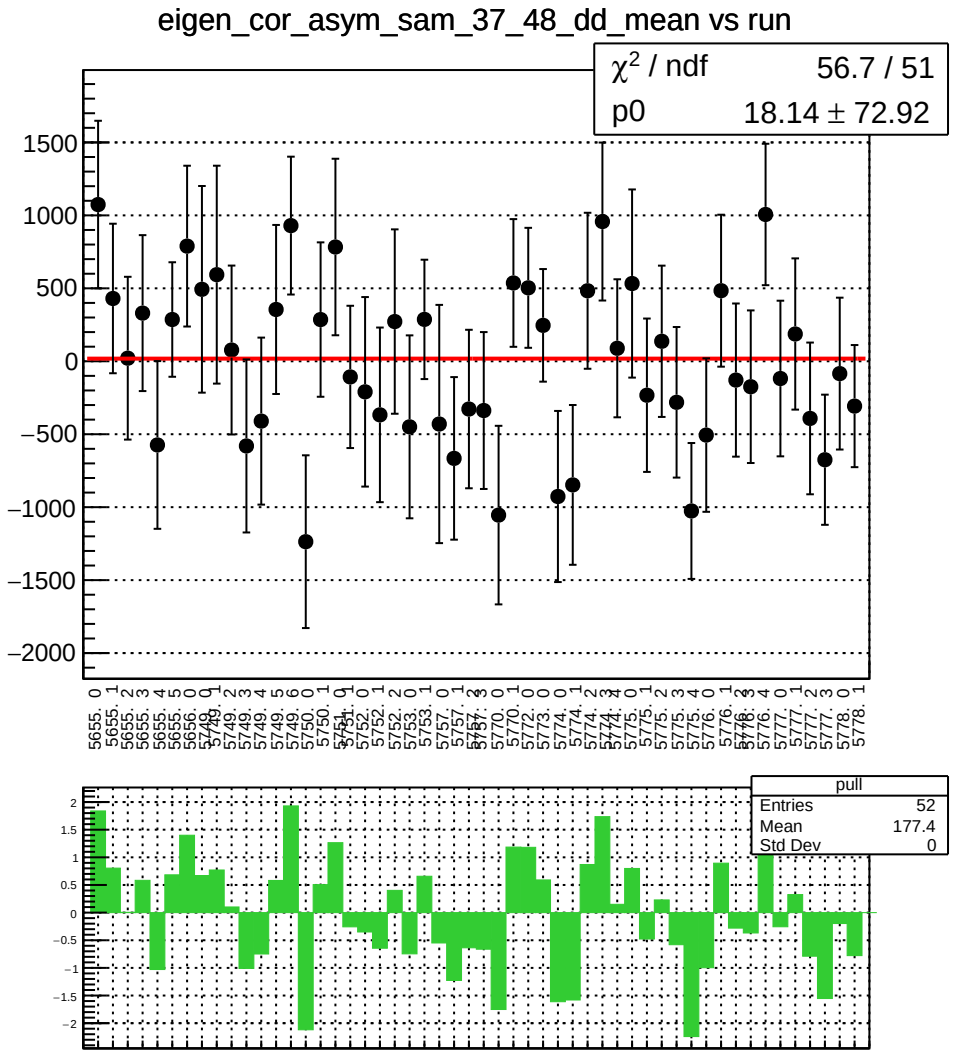
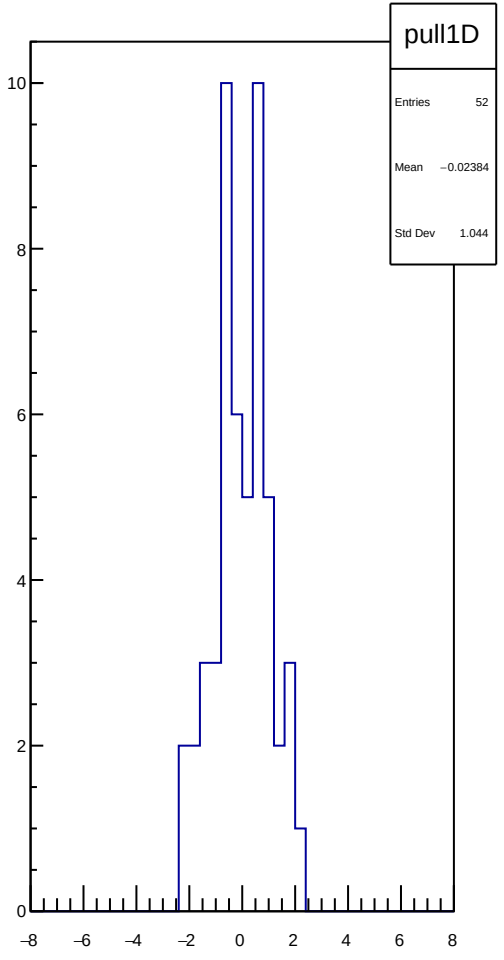
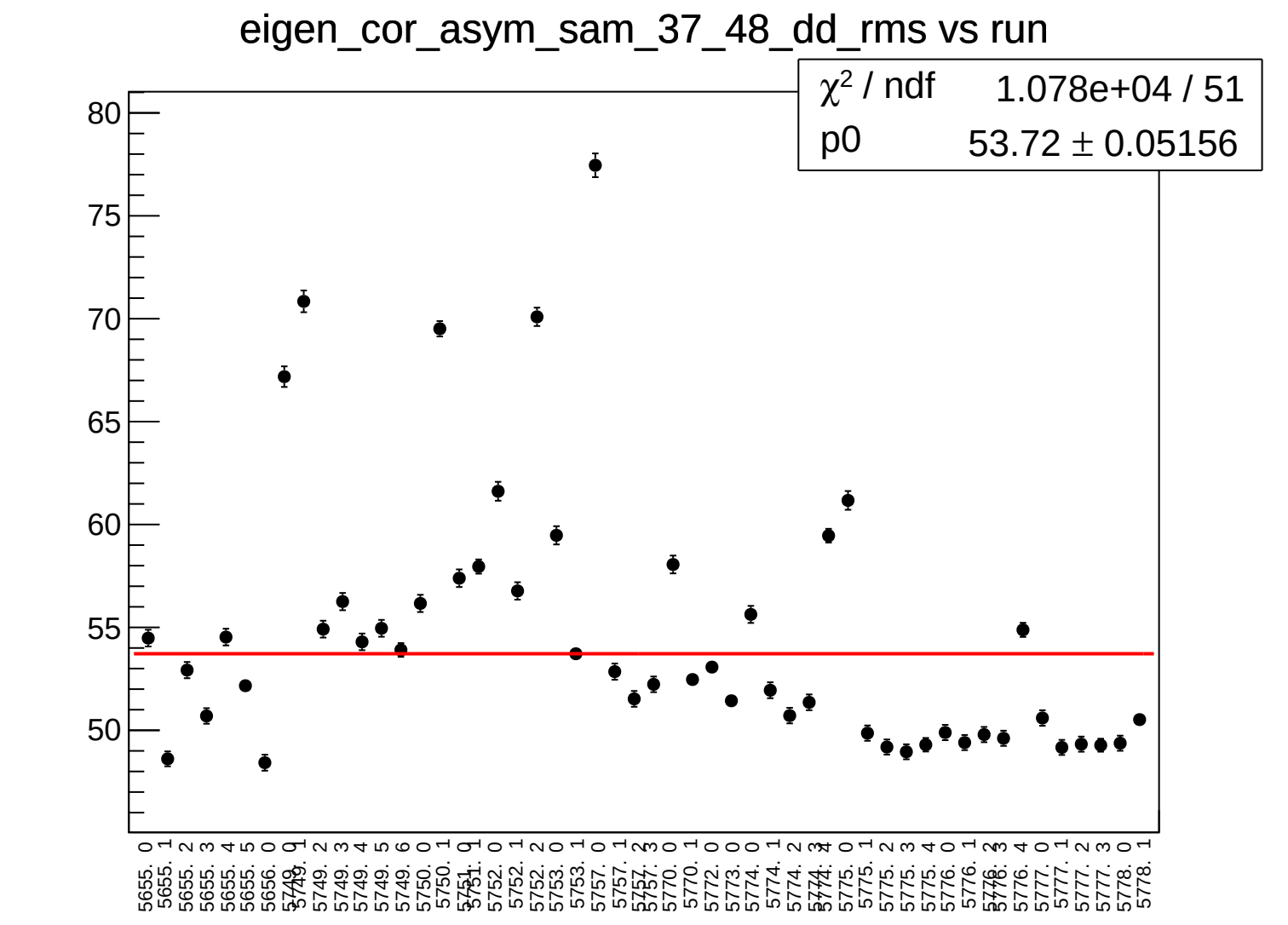
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_sam_37_48_dd_mean vs run
χ^2 / ndf 56.7 / 51
p0 18.14 ± 72.92
pull
Entries 52
Mean 177.4
Std Dev 0


pull1D
Entries 52
Mean −0.02384
Std Dev 1.044


eigen_cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 1.078e+04 / 51
p0 53.72 ± 0.05156
80
75
70
65
60
55
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
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5749. 6
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5752. 2
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5757. 1
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5770. 0
5770. 1
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
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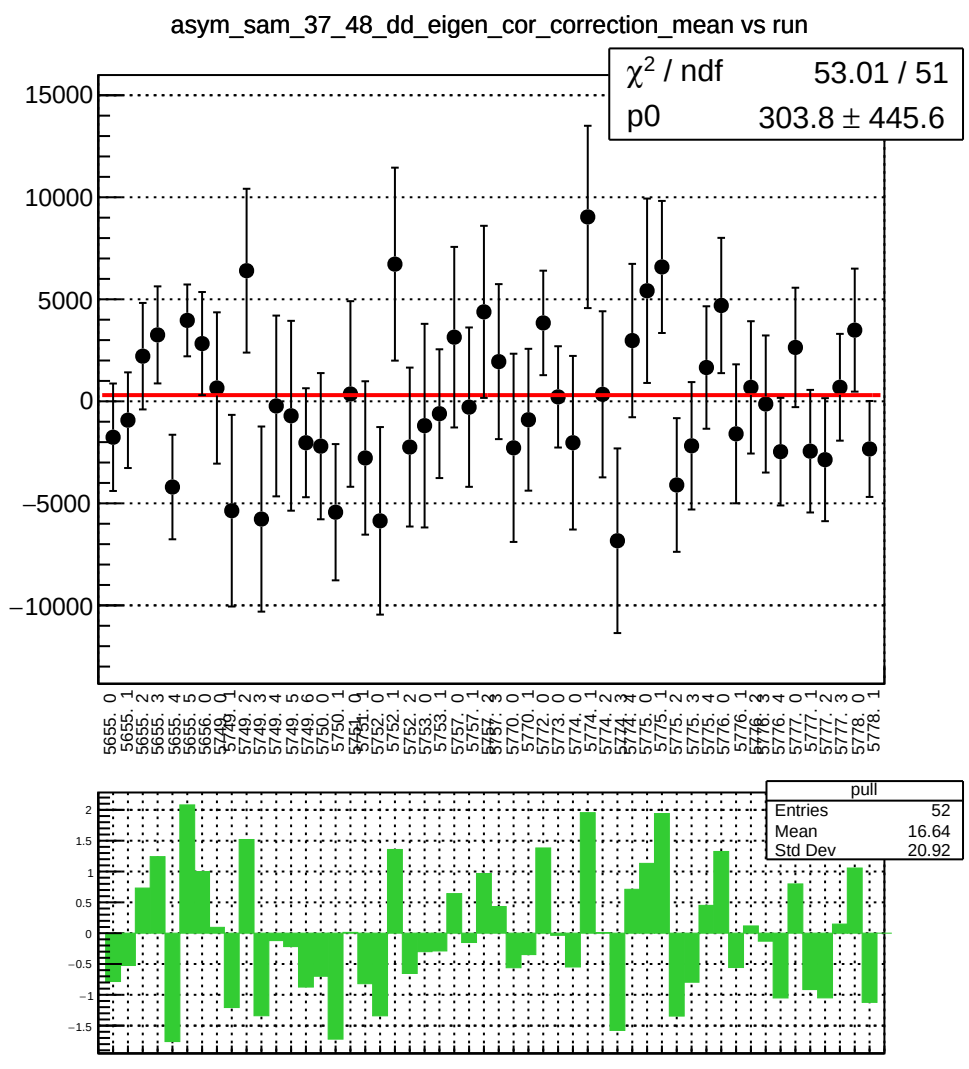
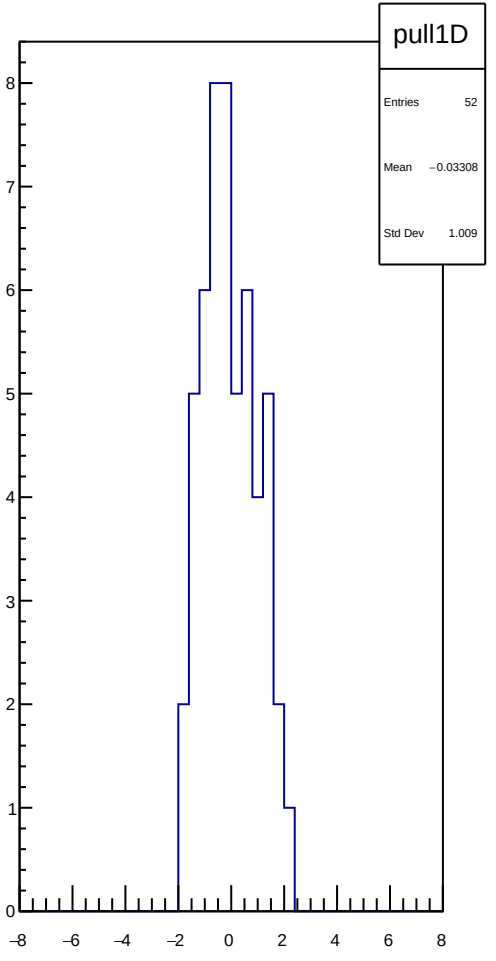
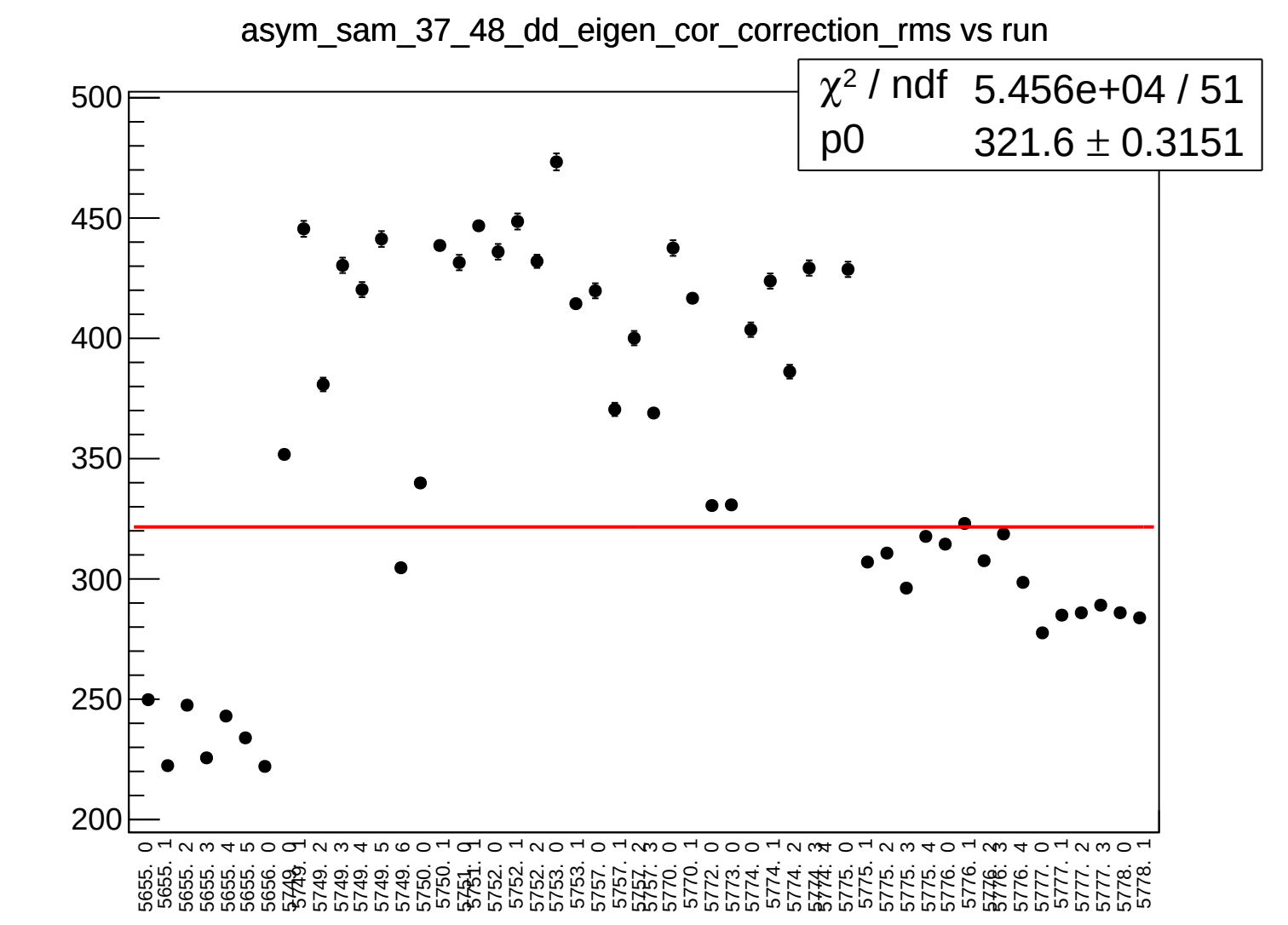
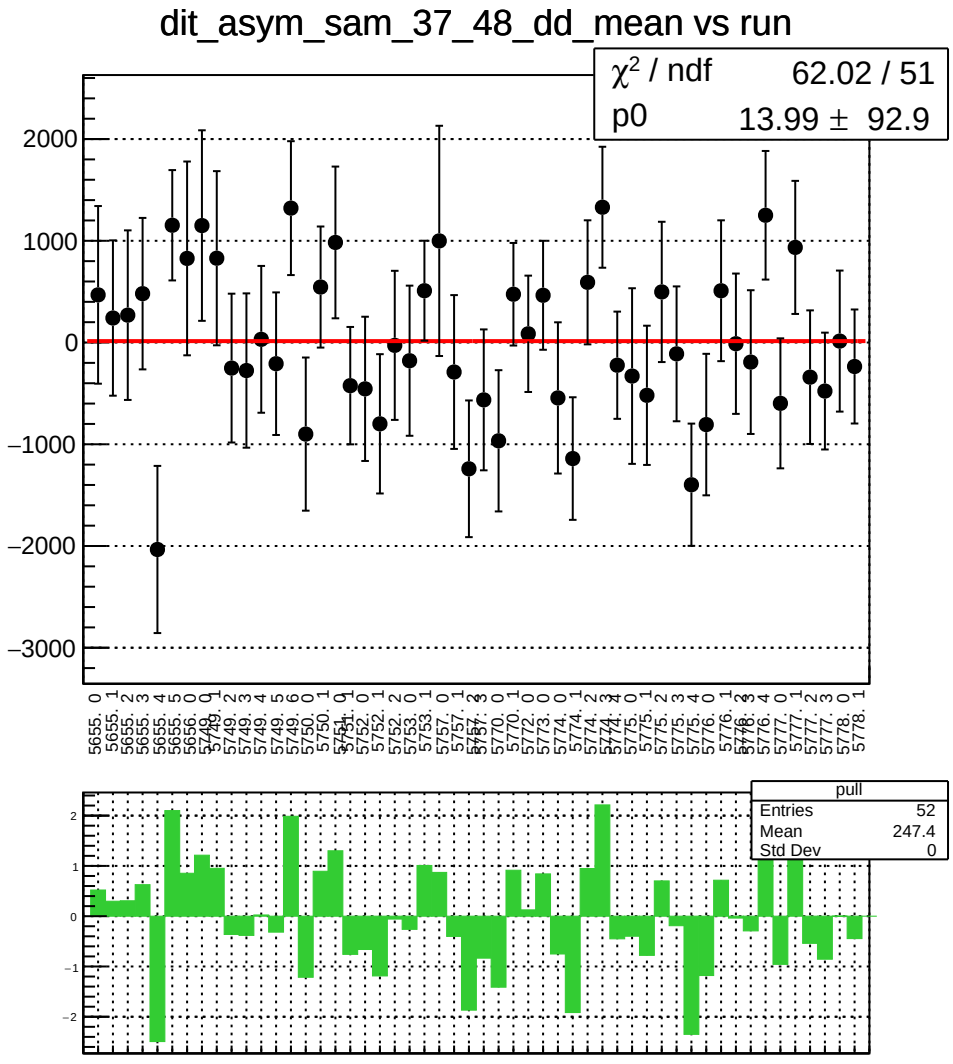
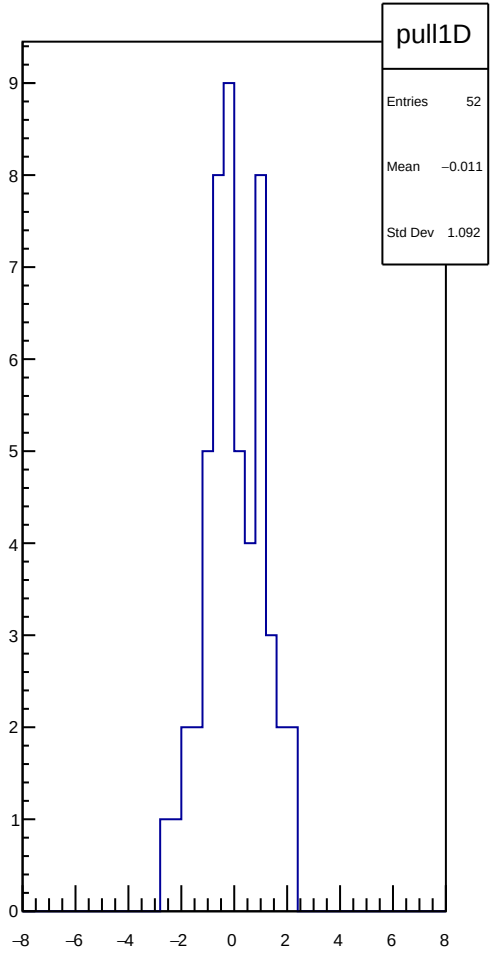
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

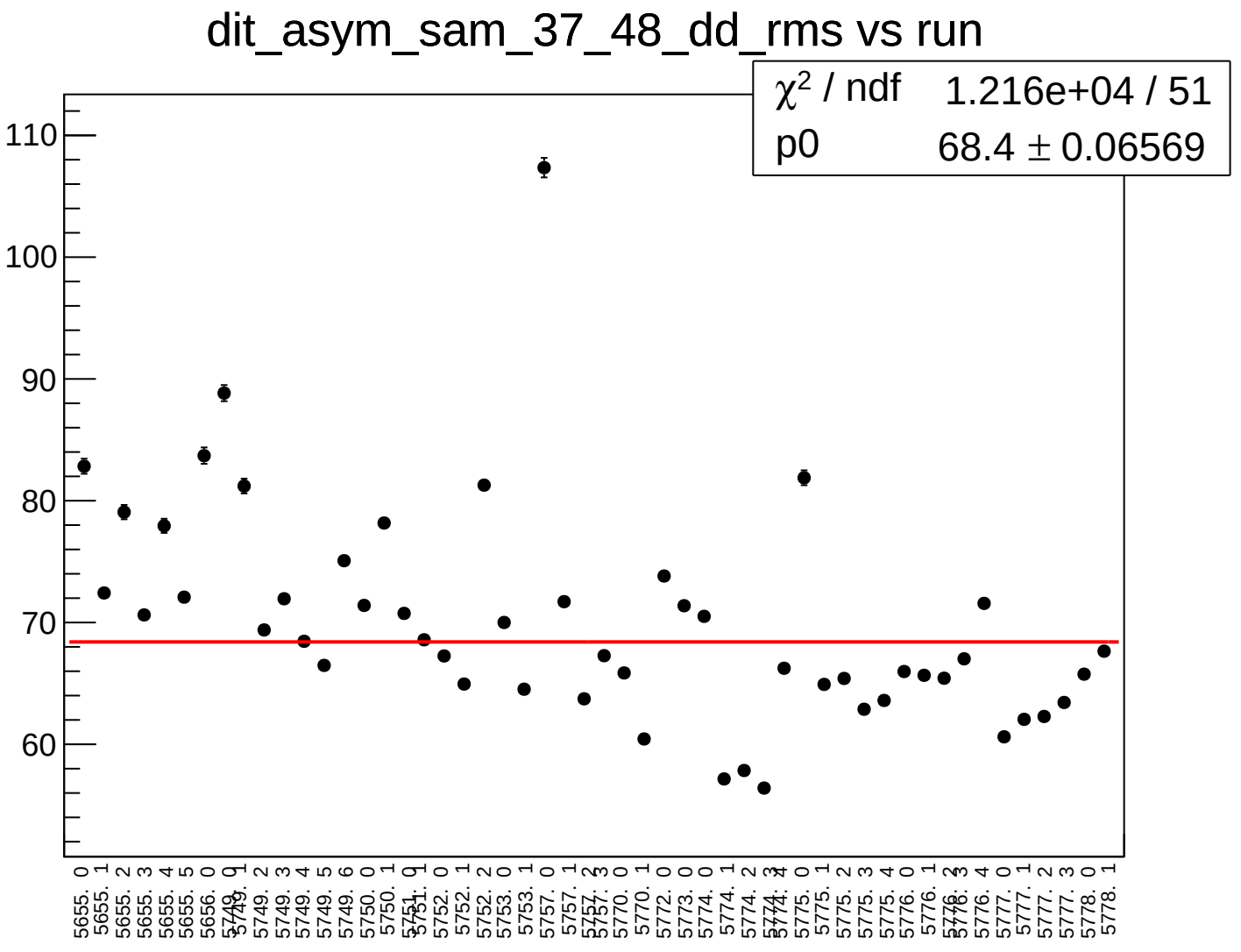

asym_sam_37_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 53.01 / 51
p0 303.8 ± 445.6
15000
10000
5000
0
−5000
−10000
pull
Entries 52
Mean 16.64
Std Dev 20.92
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 52
Mean −0.03308
Std Dev 1.009
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 5.456e+04 / 51
p0 321.6 ± 0.3151
500
450
400
350
300
250
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 62.02 / 51
p0 13.99 ± 92.9
2000
1000
0
−1000
−2000
−3000
pull
Entries 52
Mean 247.4
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.011
Std Dev 1.092
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 1.216e+04 / 51
p0 68.4 ± 0.06569
110
100
90
80
70
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
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5749. 6
5750. 0
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5777. 2
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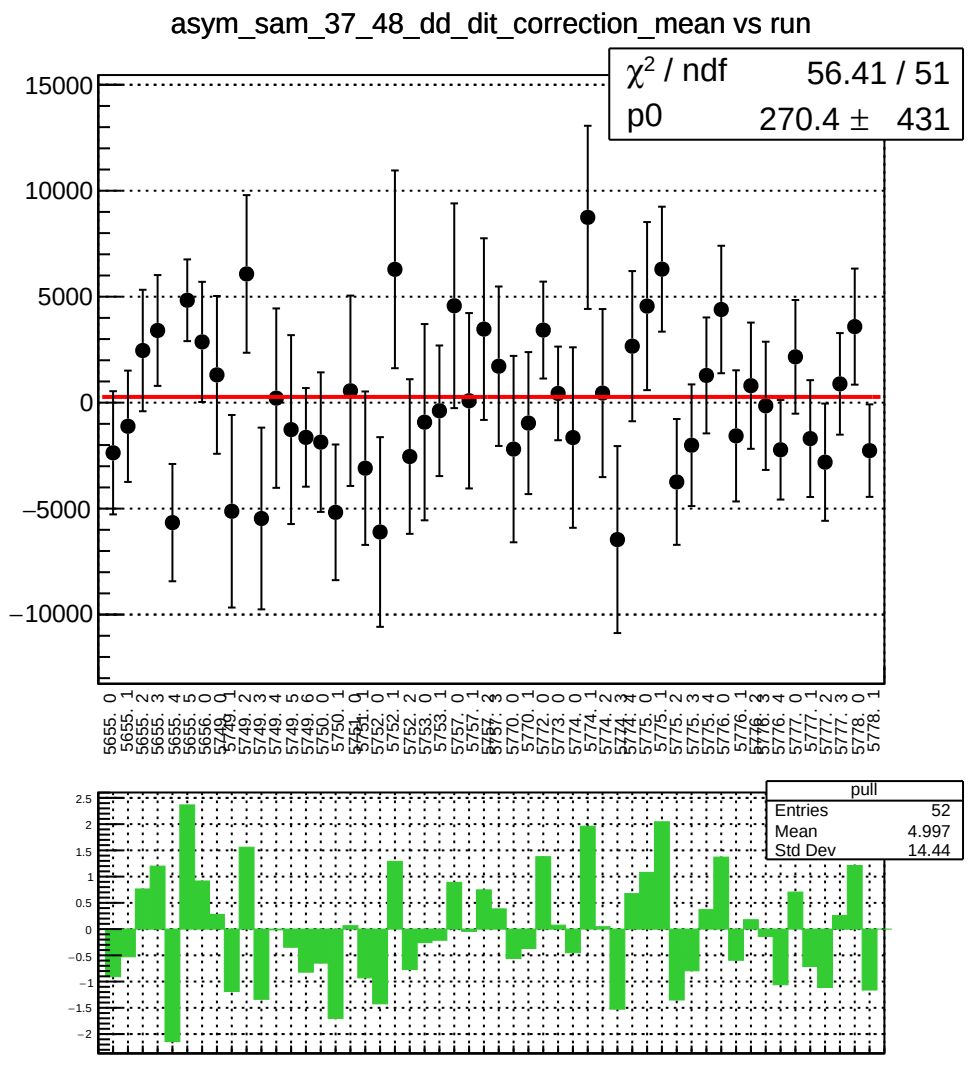
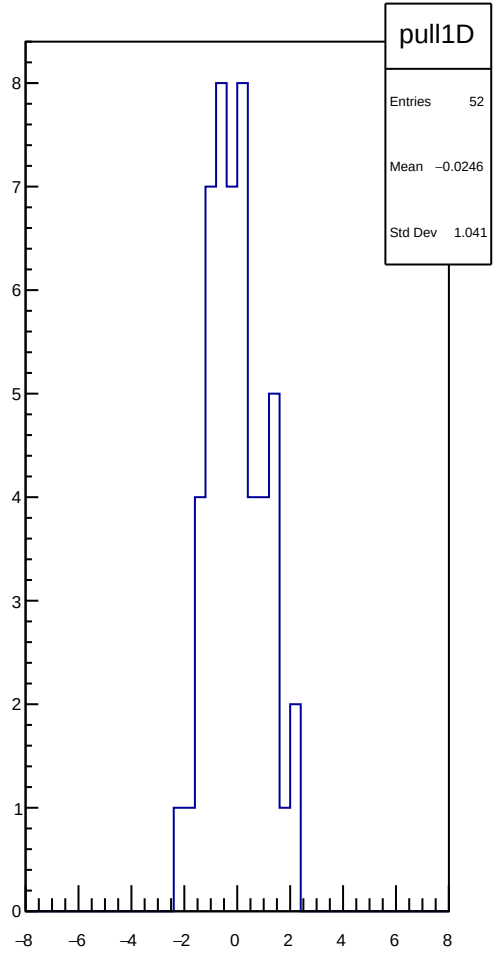
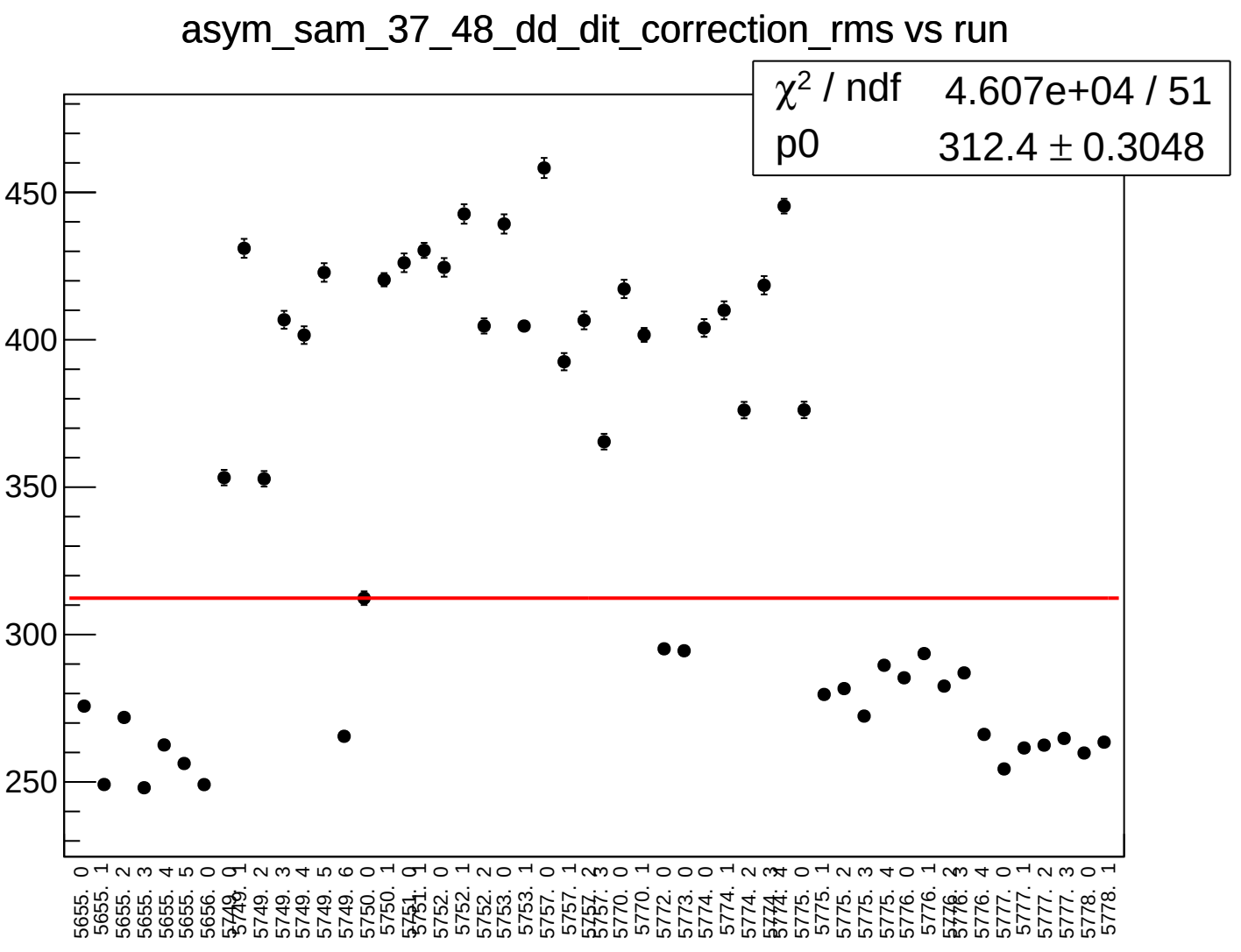
5778. 1


asym_sam_37_48_dd_dit_correction_mean vs run
χ² / ndf 56.41 / 51
p0 270.4 ± 431
15000
10000
5000
0
−5000
−10000
pull
Entries 52
Mean 4.997
Std Dev 14.44
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean −0.0246
Std Dev 1.041
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_48_dd_dit_correction_rms vs run
χ² / ndf 4.607e+04 / 51
p0 312.4 ± 0.3048
450
400
350
300
250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5749. 6
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5752. 1
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5753. 1
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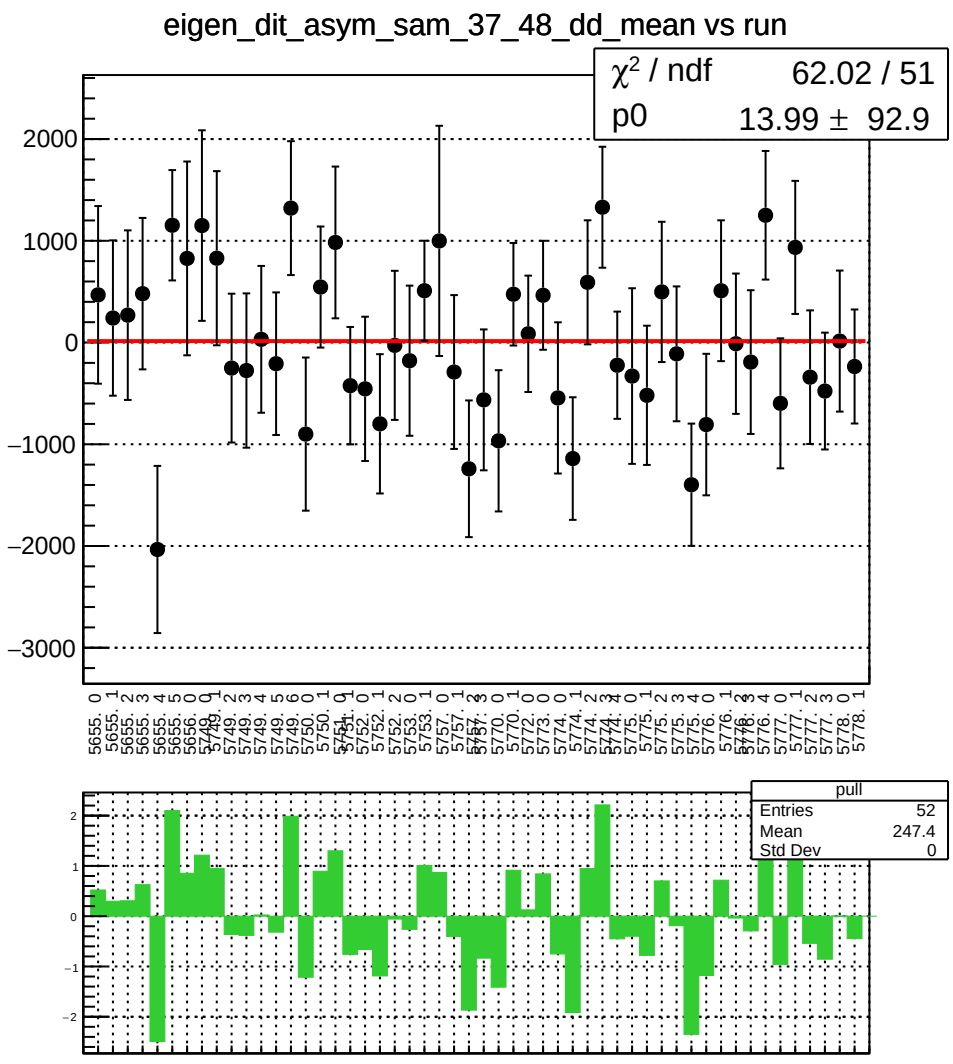
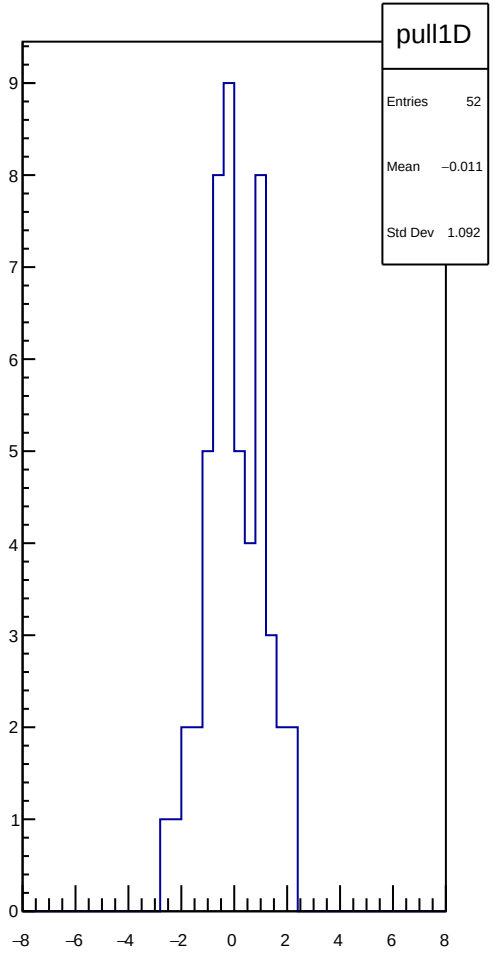
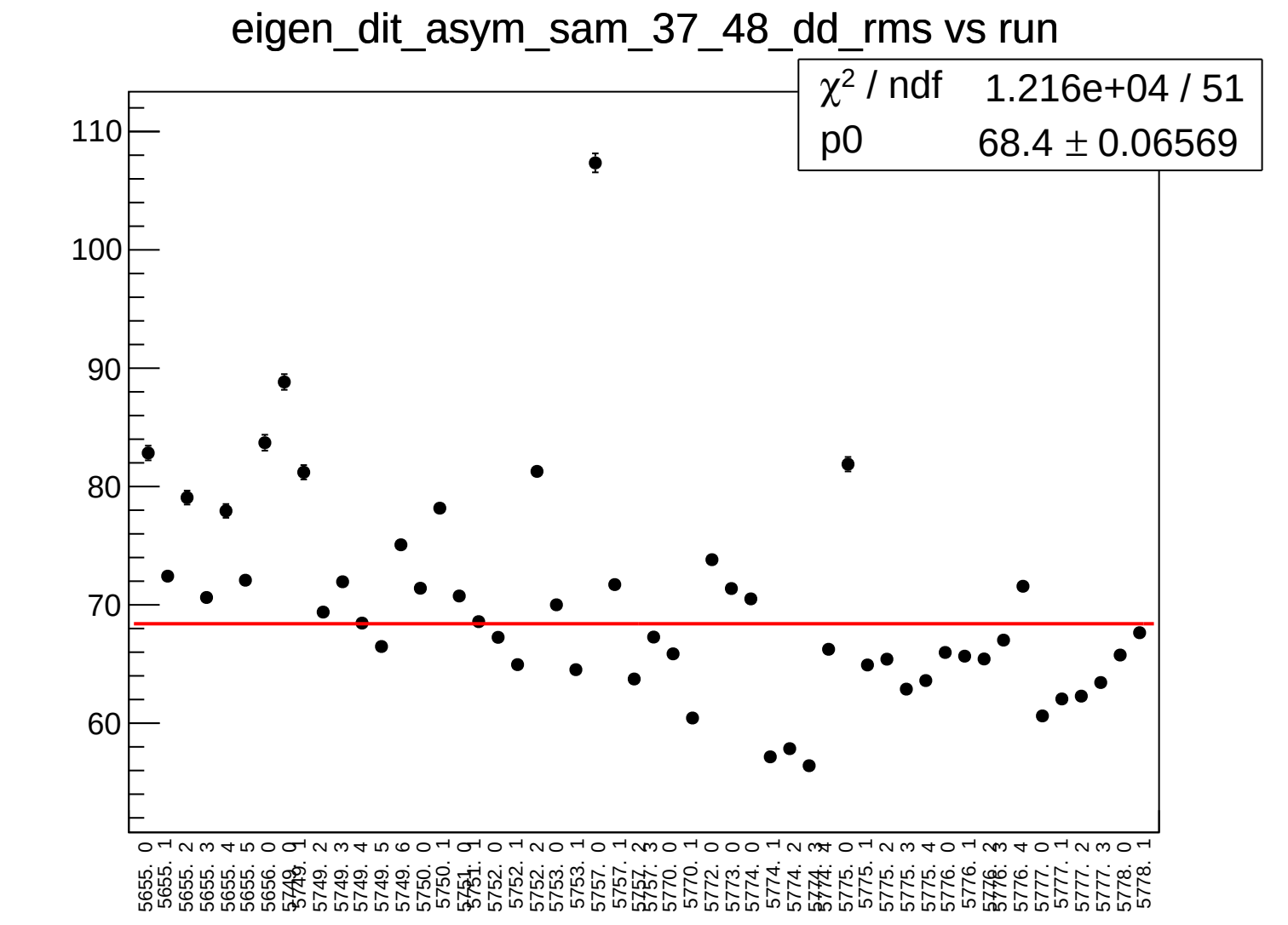

eigen_dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 62.02 / 51
p0 13.99 ± 92.9
pull
Entries 52
Mean 247.4
Std Dev 0


pull1D
Entries 52
Mean −0.011
Std Dev 1.092


eigen_dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 1.216e+04 / 51
p0 68.4 ± 0.06569
110
100
90
80
70
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
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5749. 2
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5775. 0
5775. 1
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5775. 3
5775. 4
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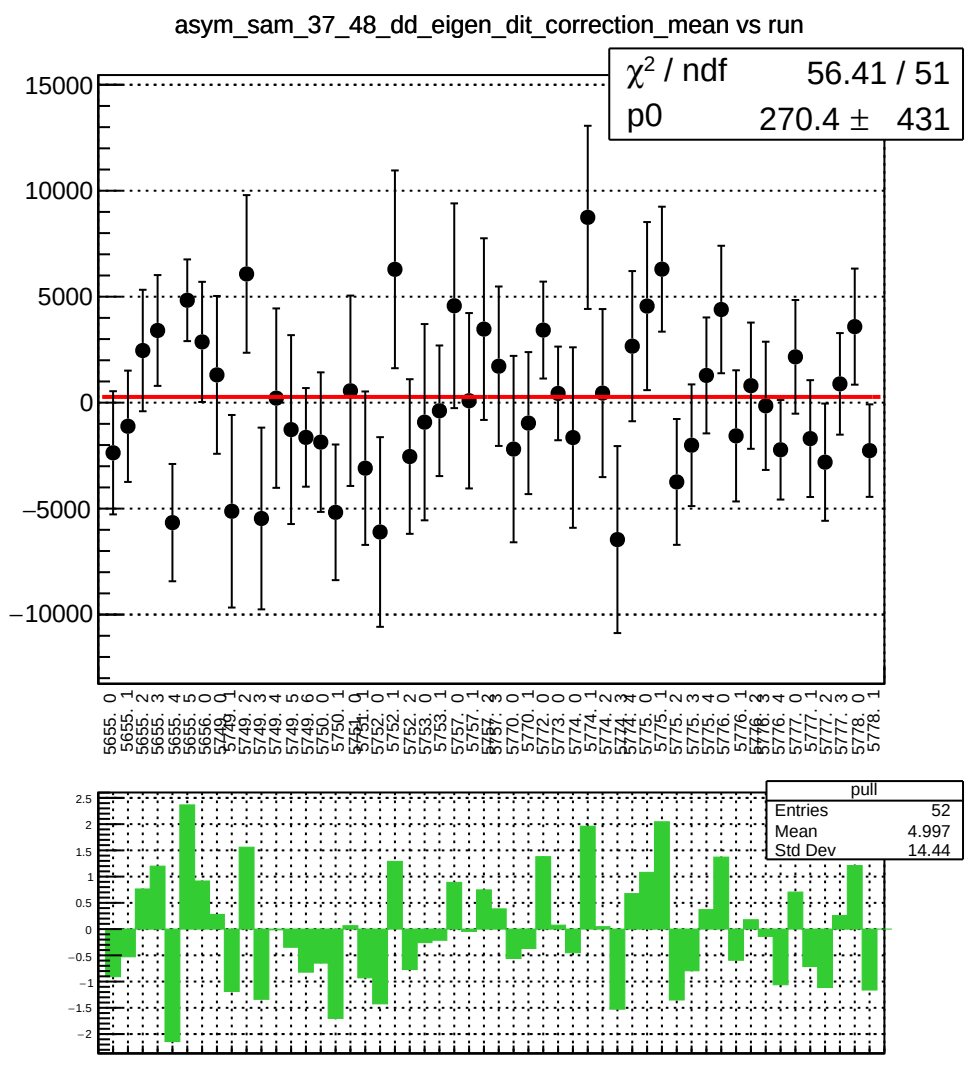
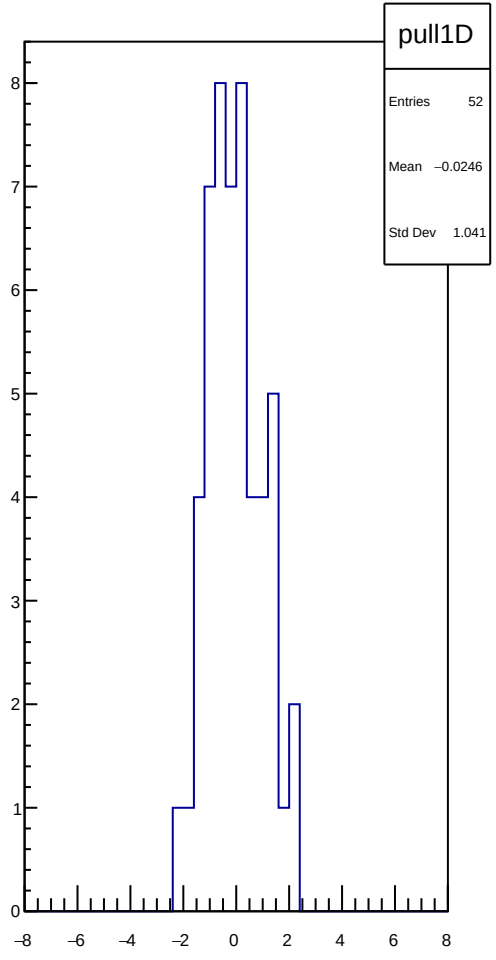
5778. 1


asym_sam_37_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 56.41 / 51
p0 270.4 ± 431
15000
10000
5000
0
−5000
−10000
pull
Entries 52
Mean 4.997
Std Dev 14.44
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean −0.0246
Std Dev 1.041
8
7
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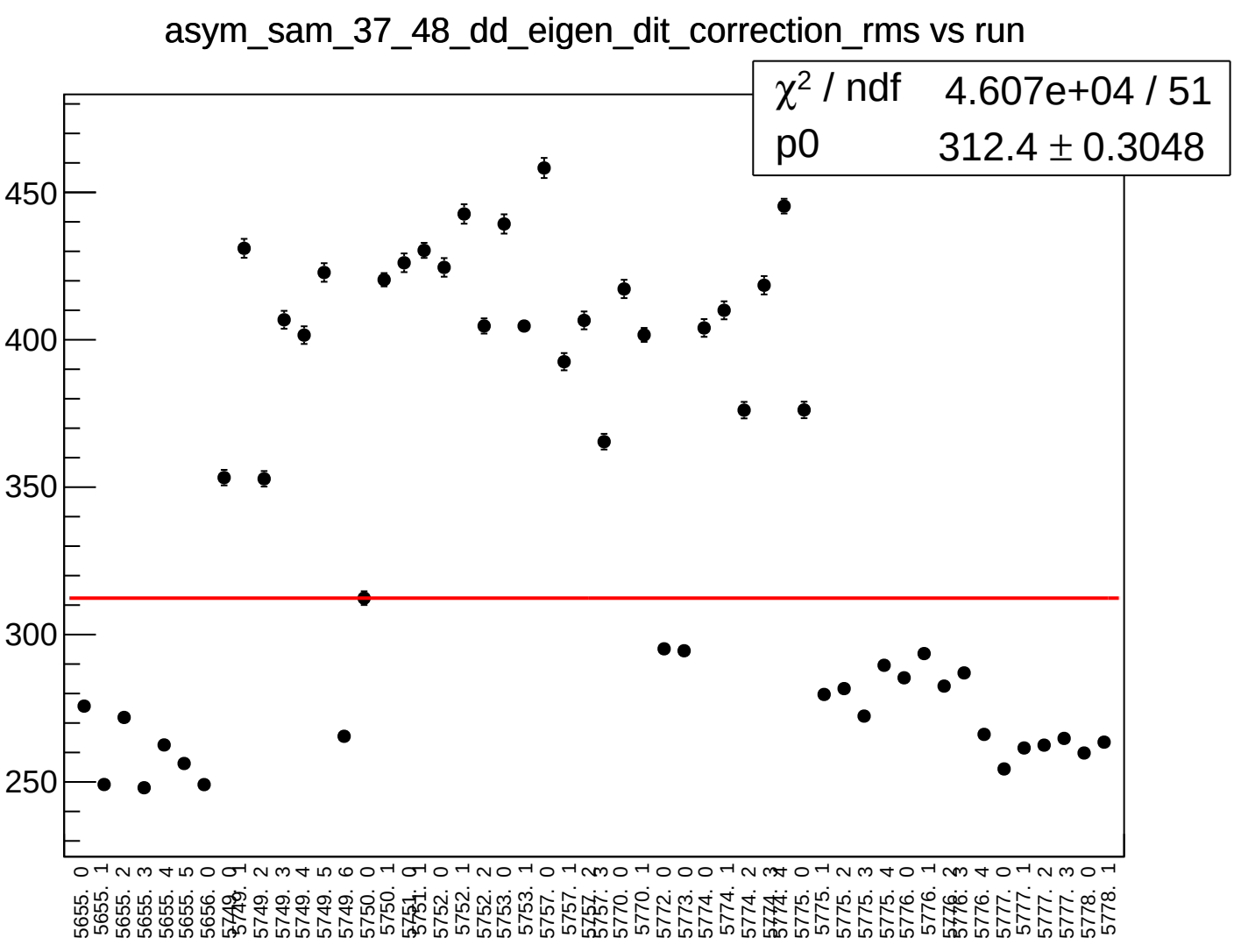
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 4.607e+04 / 51
p0 312.4 ± 0.3048
450
400
350
300
250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5749. 1
5749. 2
5749. 3
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5749. 6
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5750. 1
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5752. 2
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5757. 0
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5757. 2
5757. 3
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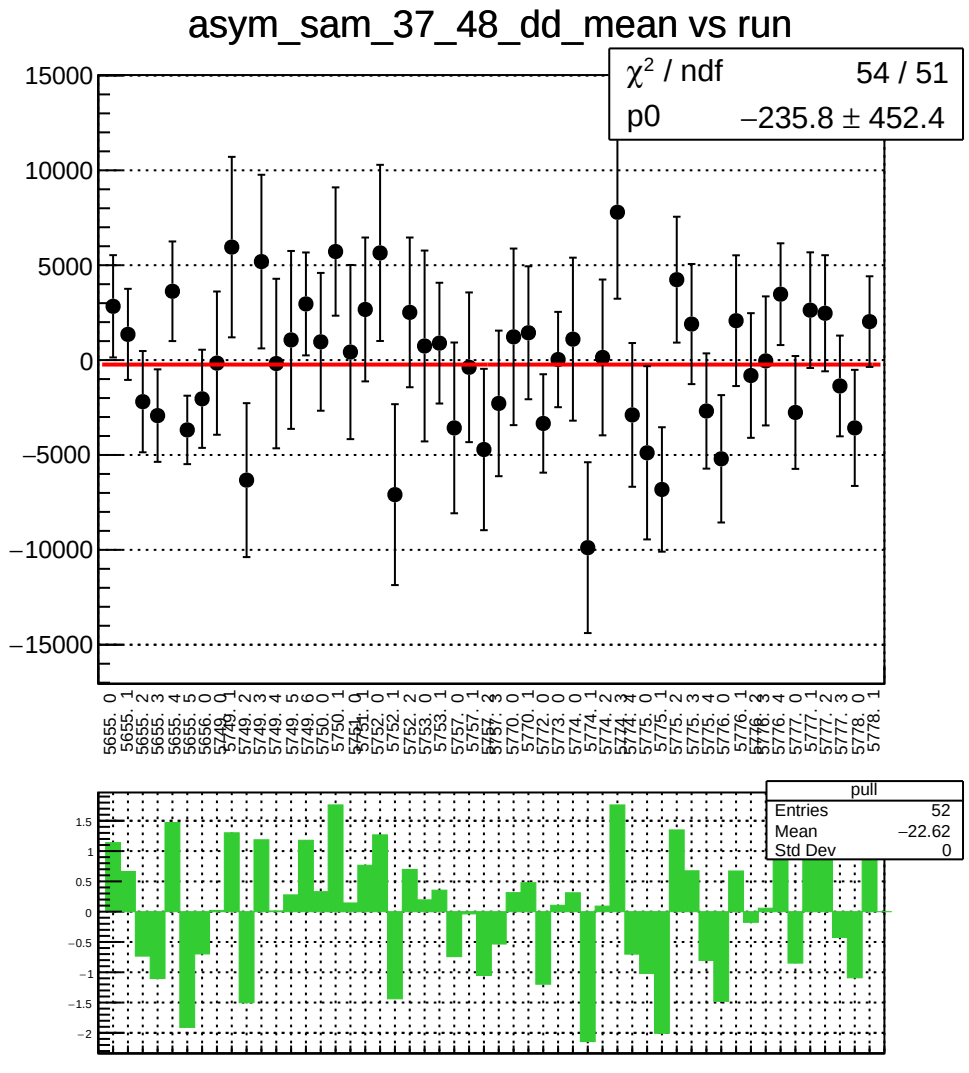
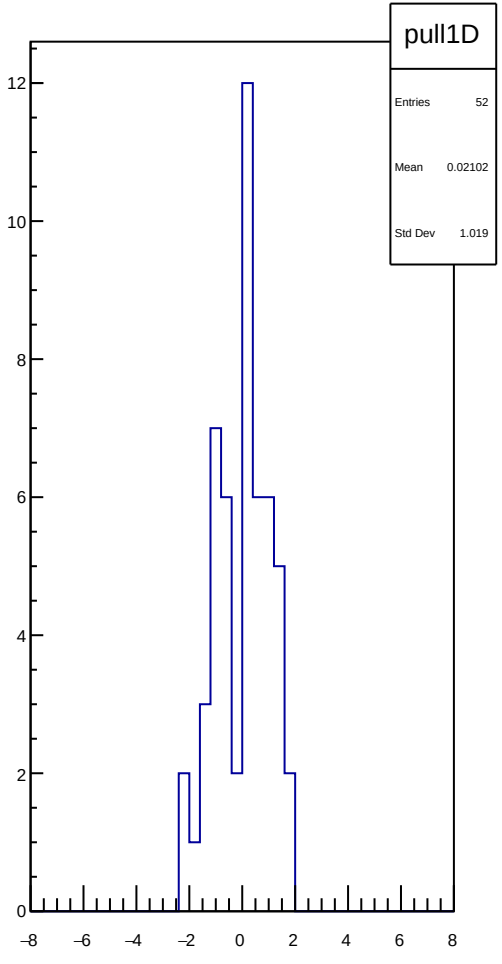
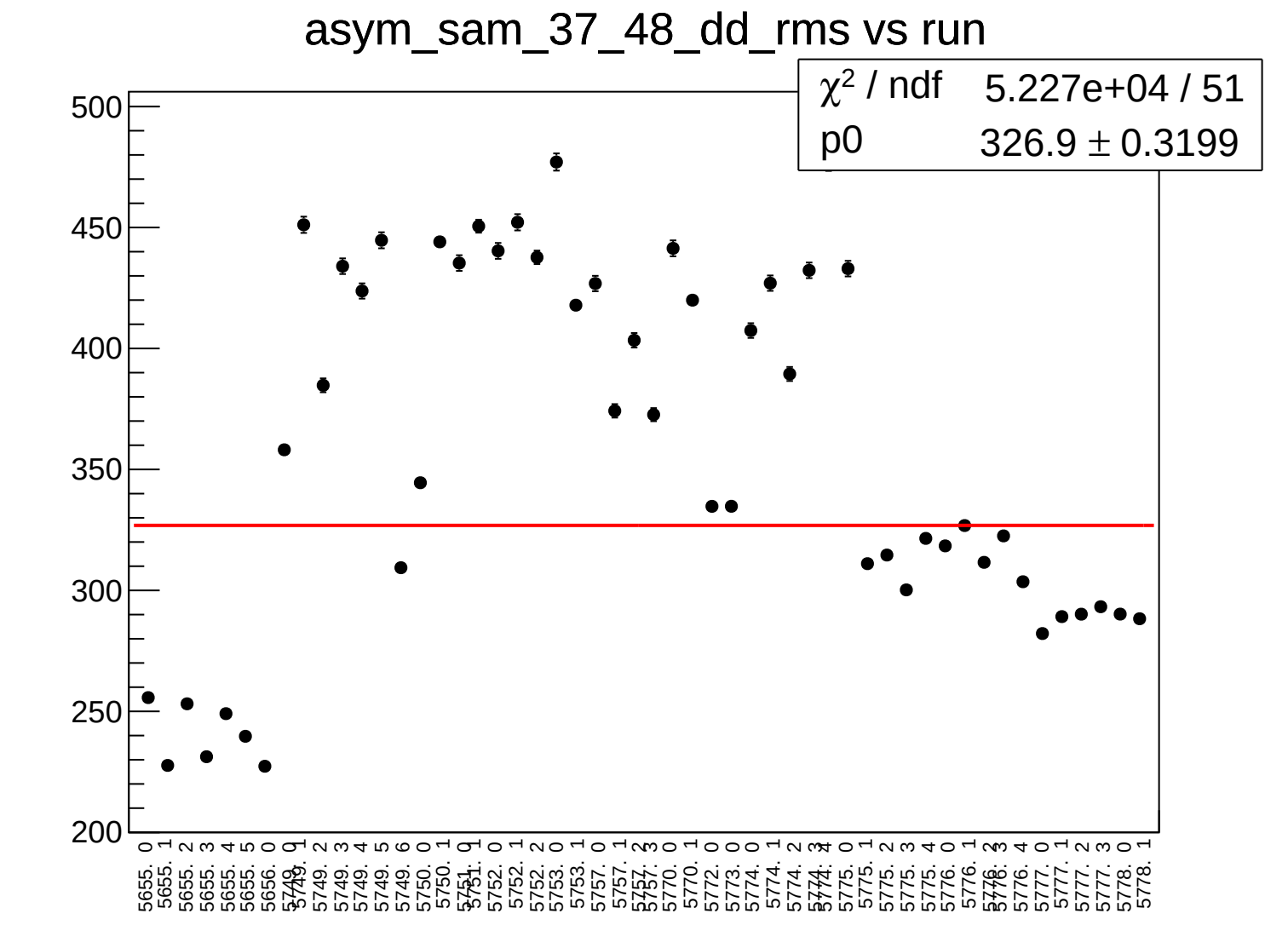
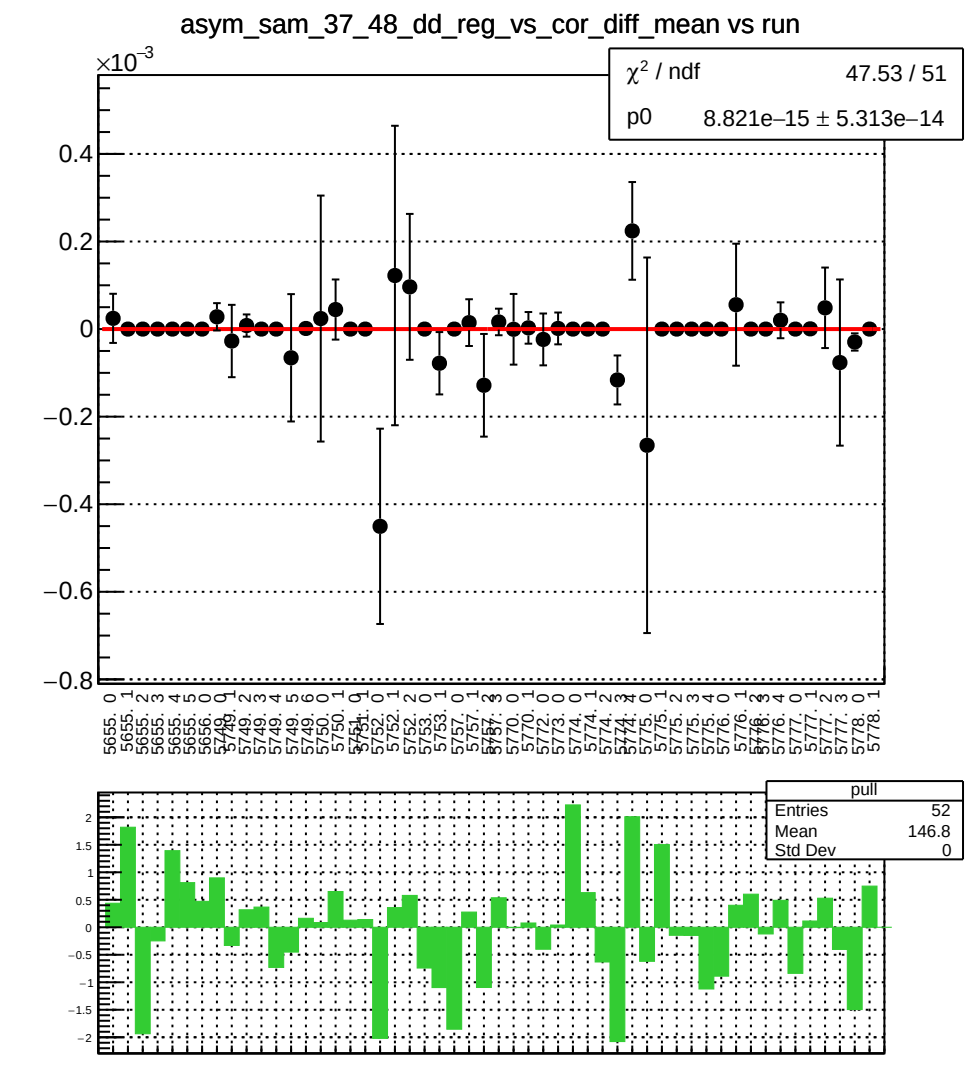
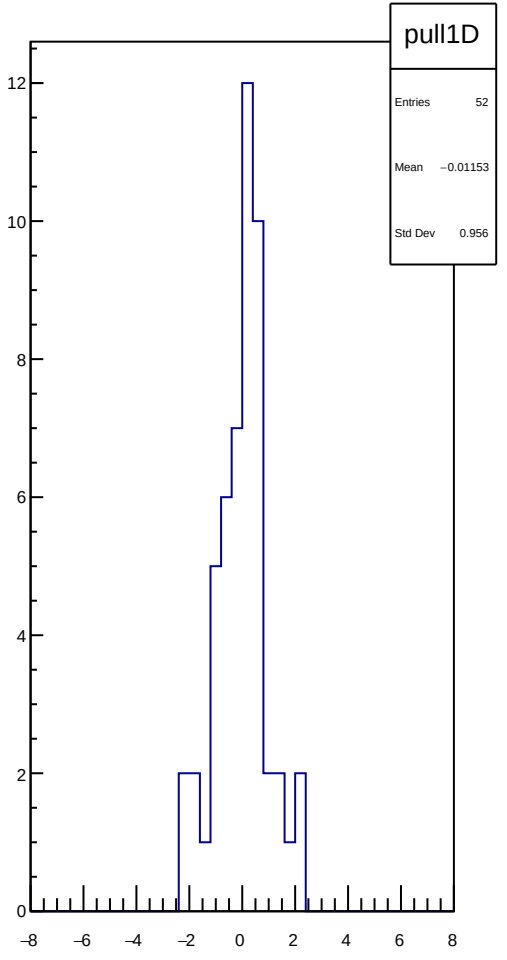
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

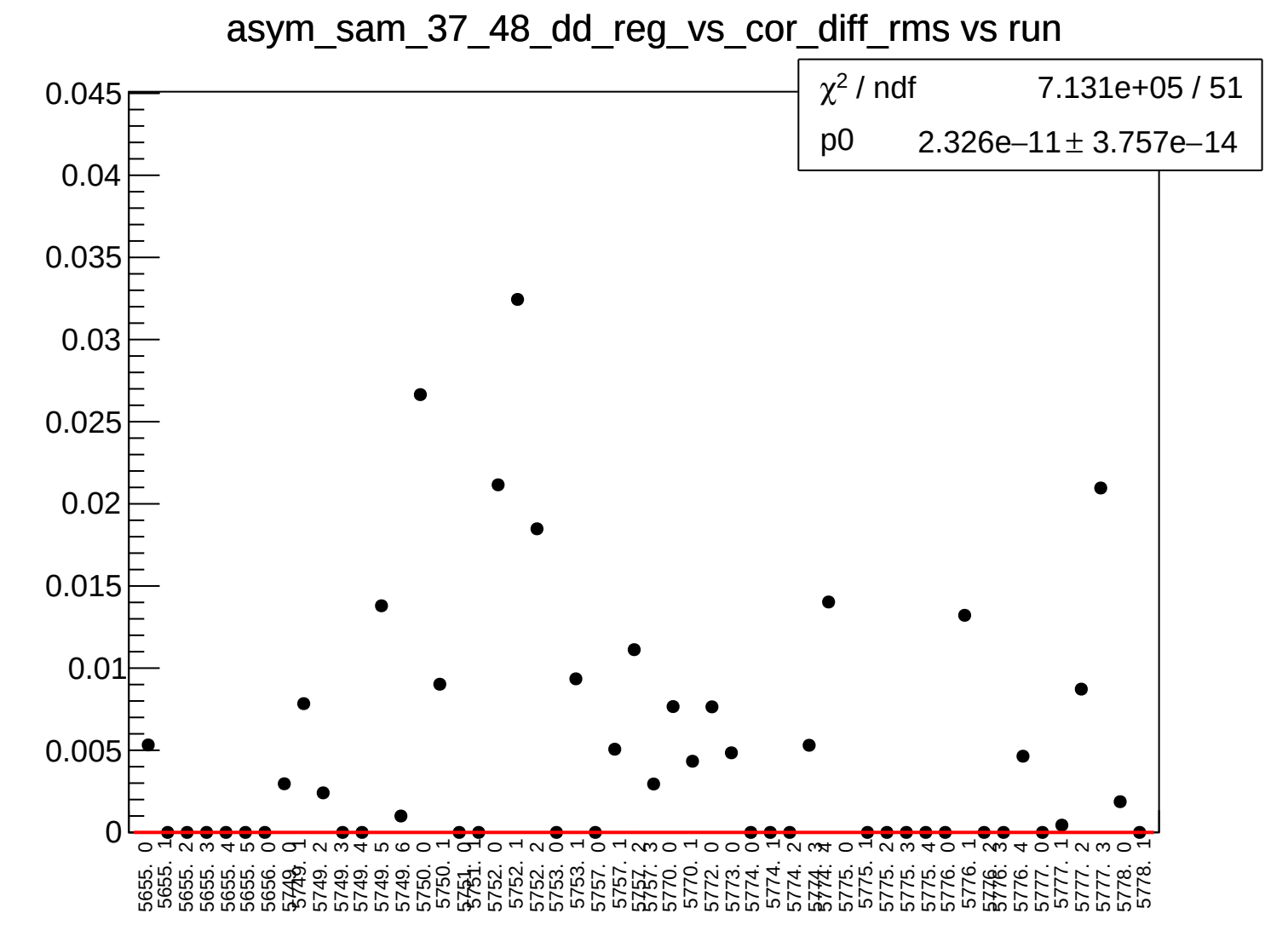

asym_sam_37_48_dd_mean vs run
χ² / ndf 54 / 51
p0 −235.8 ± 452.4
pull
Entries 52
Mean −22.62
Std Dev 0


pull1D
Entries 52
Mean 0.02102
Std Dev 1.019


asym_sam_37_48_dd_rms vs run
χ² / ndf 5.227e+04 / 51
p0 326.9 ± 0.3199
500
450
400
350
300
250
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_37_48_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 47.53 / 51
p0 8.821e−15 ± 5.313e−14
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull
Entries 52
Mean 146.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 52
Mean −0.01153
Std Dev 0.956
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.131e+05 / 51
p0 2.326e−11 ± 3.757e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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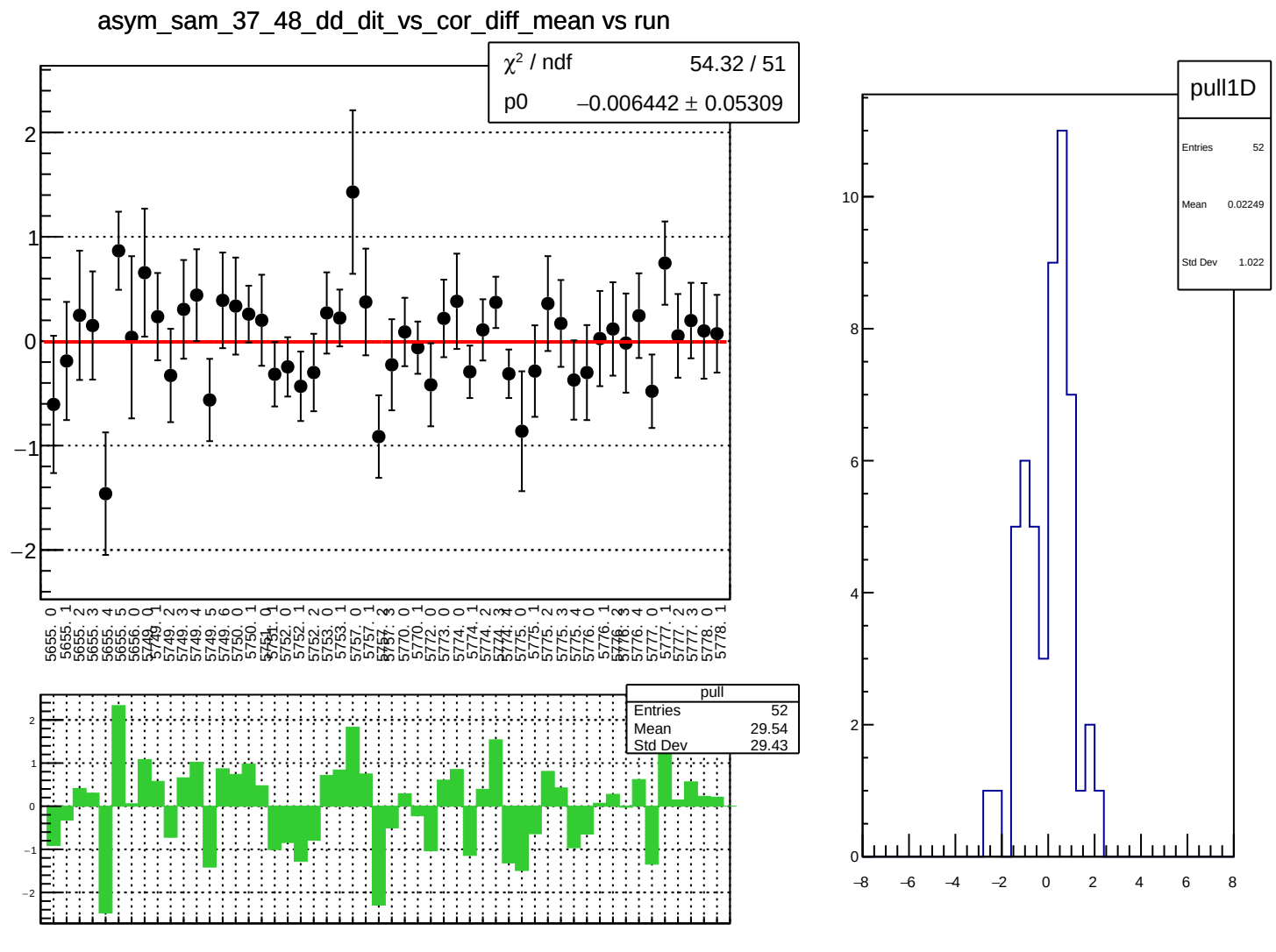
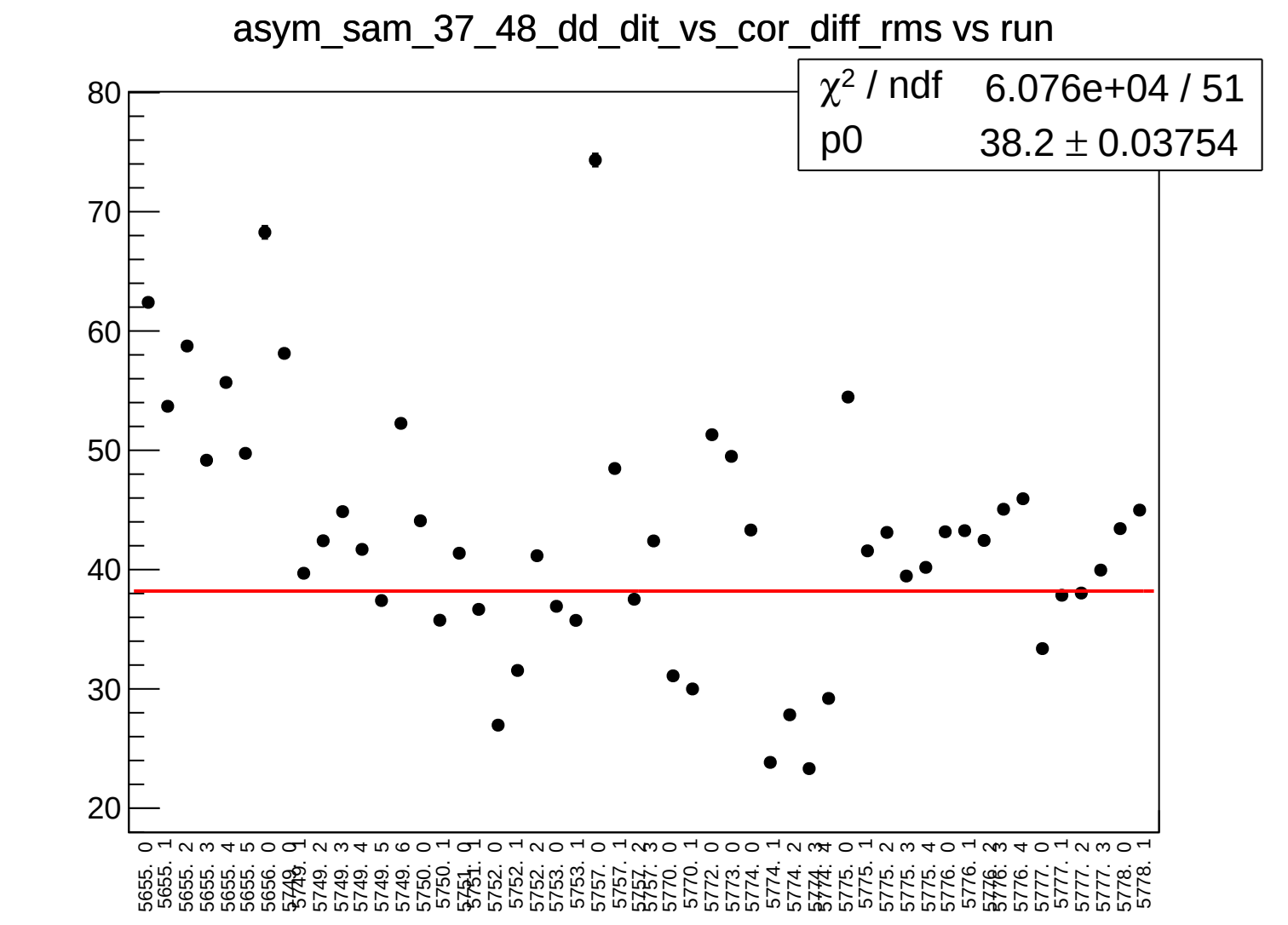
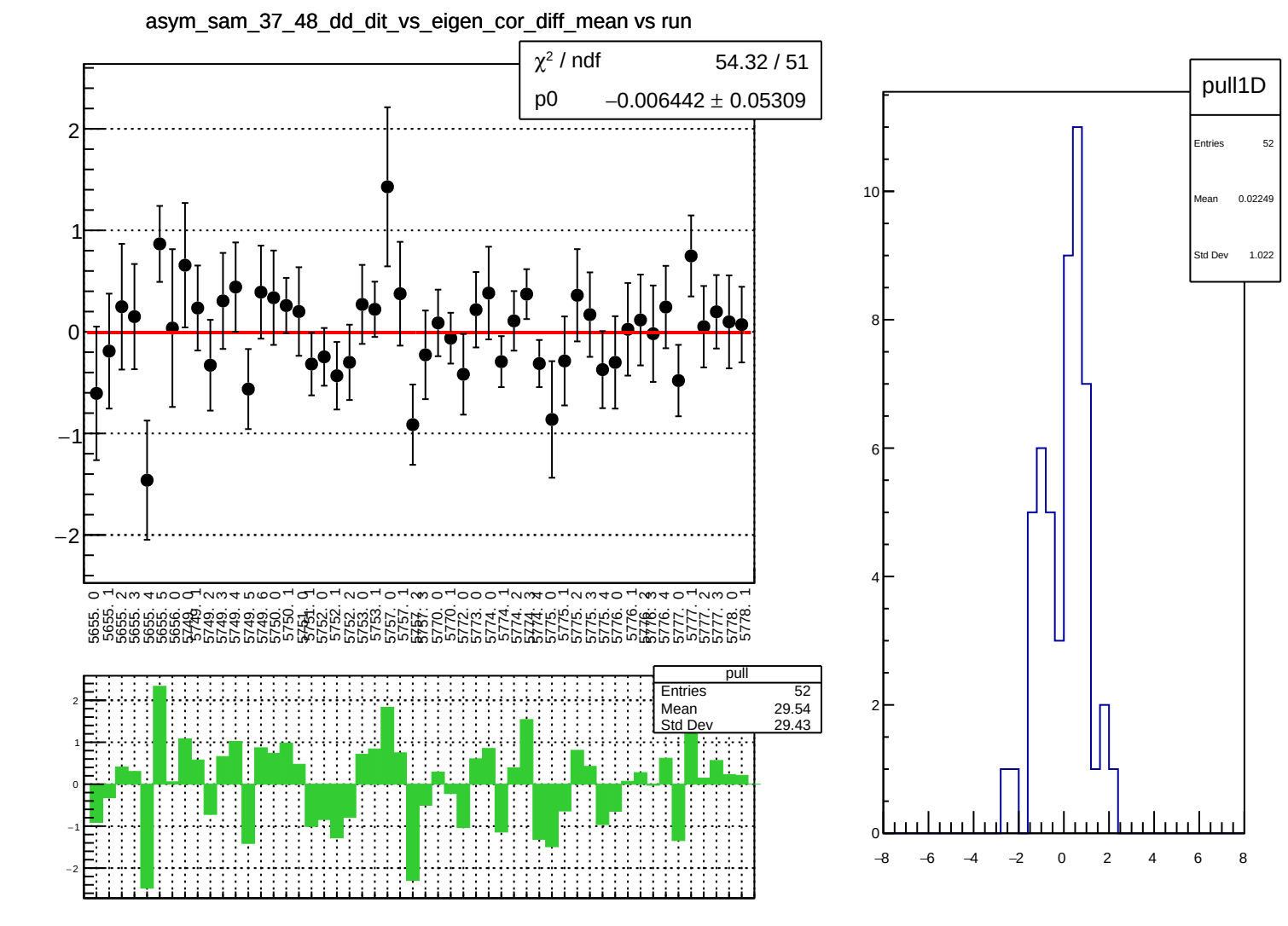
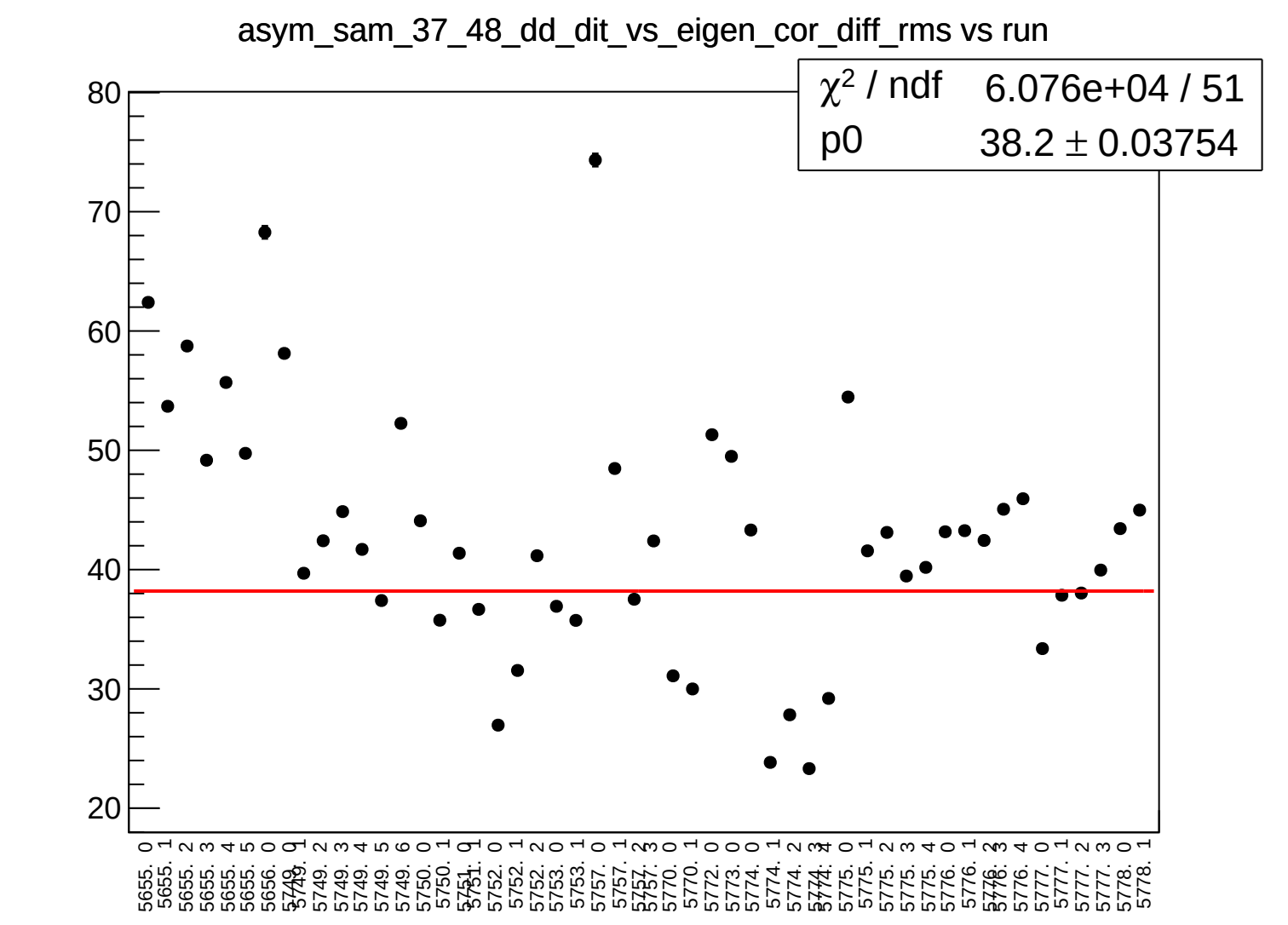
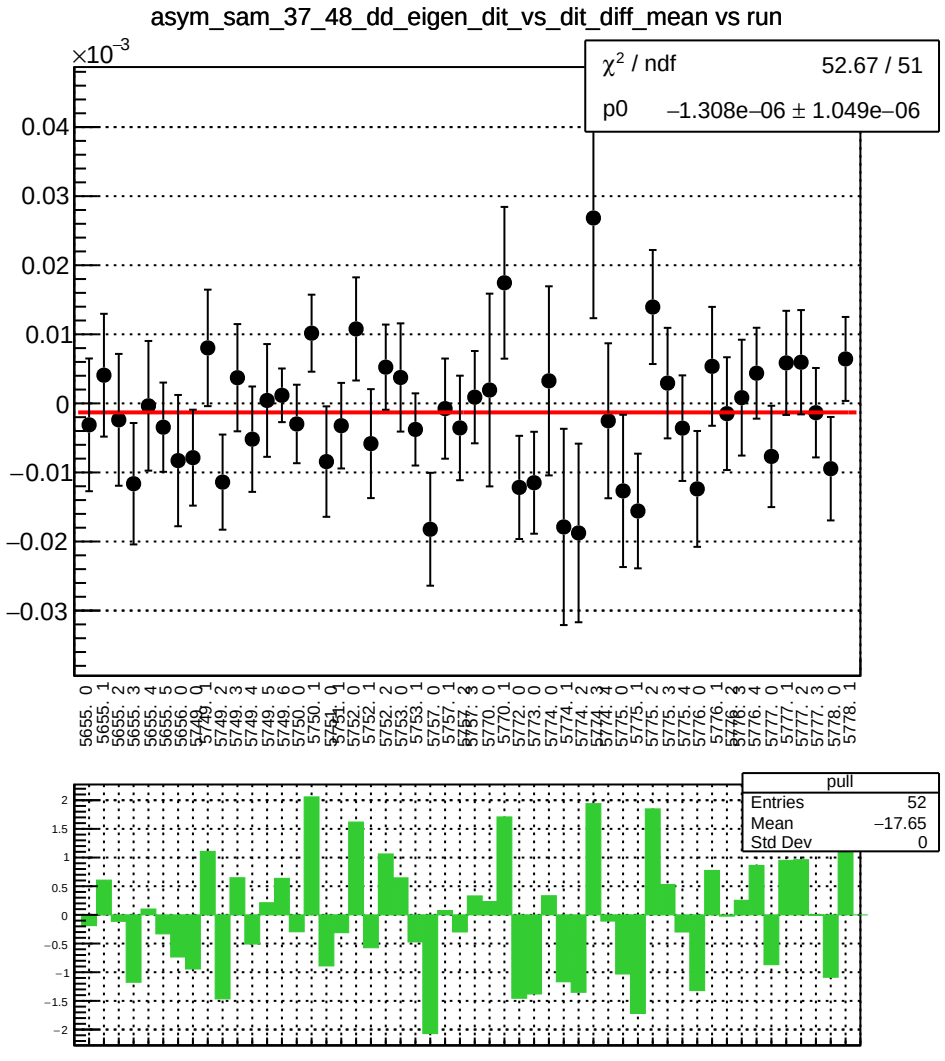
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

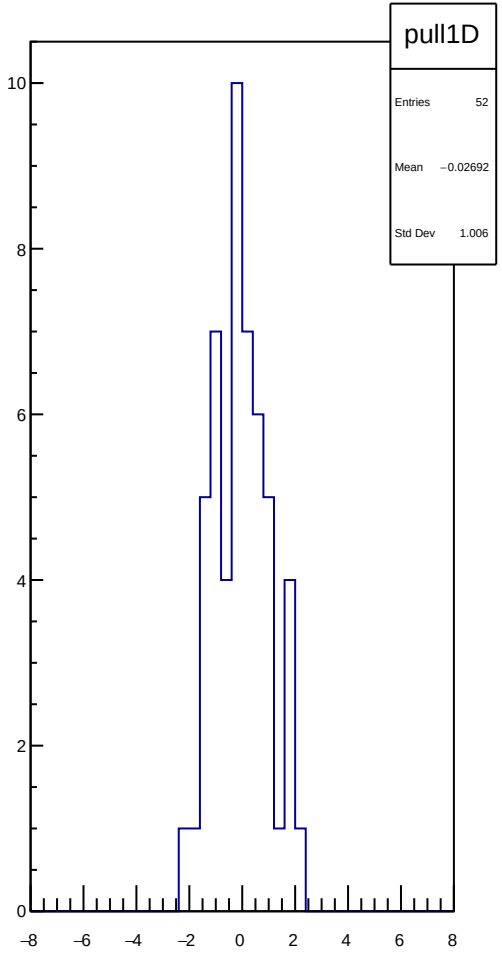

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 54.32 / 51
p0 −0.006442 ± 0.05309
pull
Entries 52
Mean 29.54
Std Dev 29.43
pull1D
Entries 52
Mean 0.02249
Std Dev 1.022

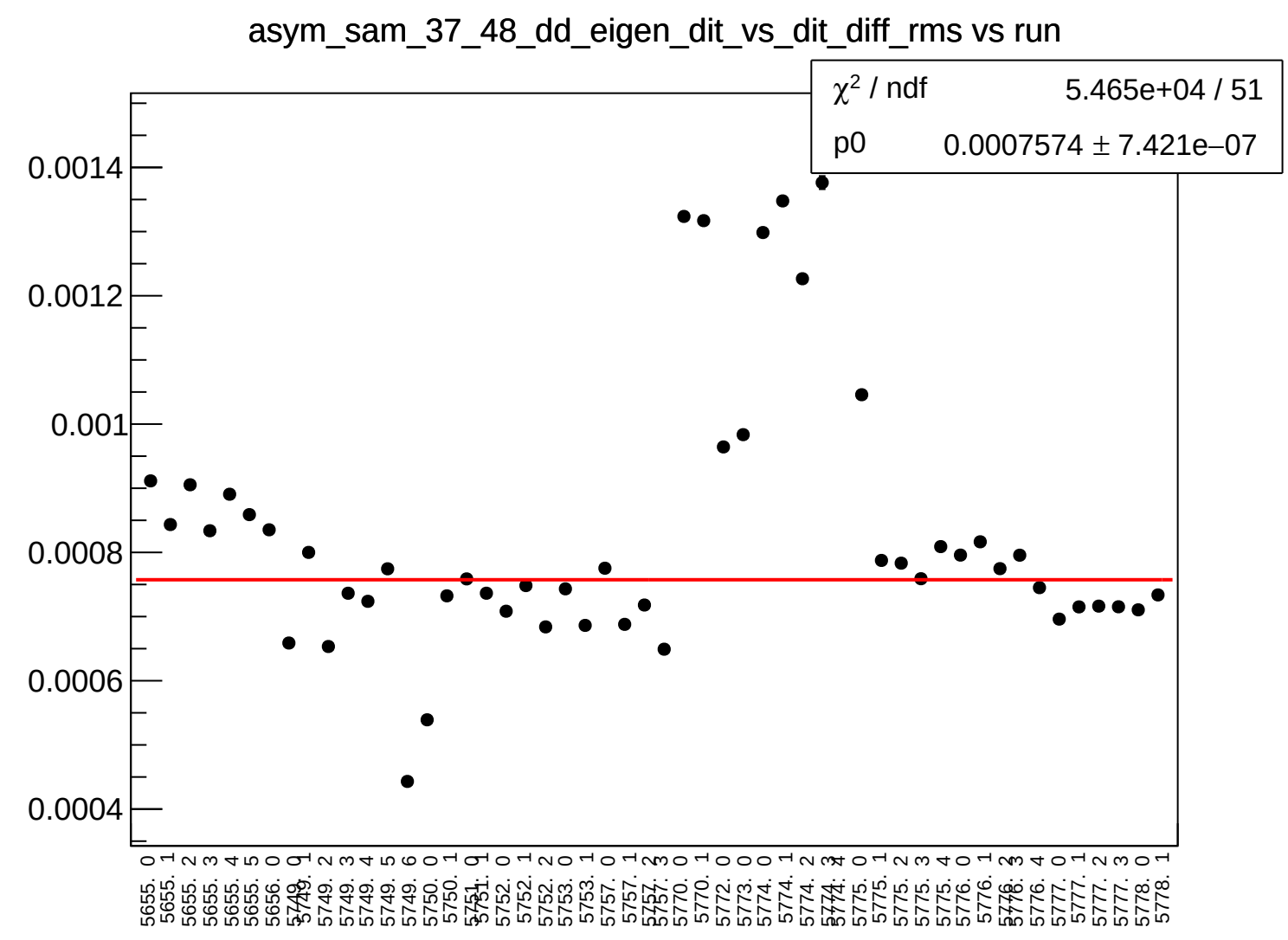

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.076e+04 / 51
p0 38.2 ± 0.03754
80
70
60
50
40
30
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

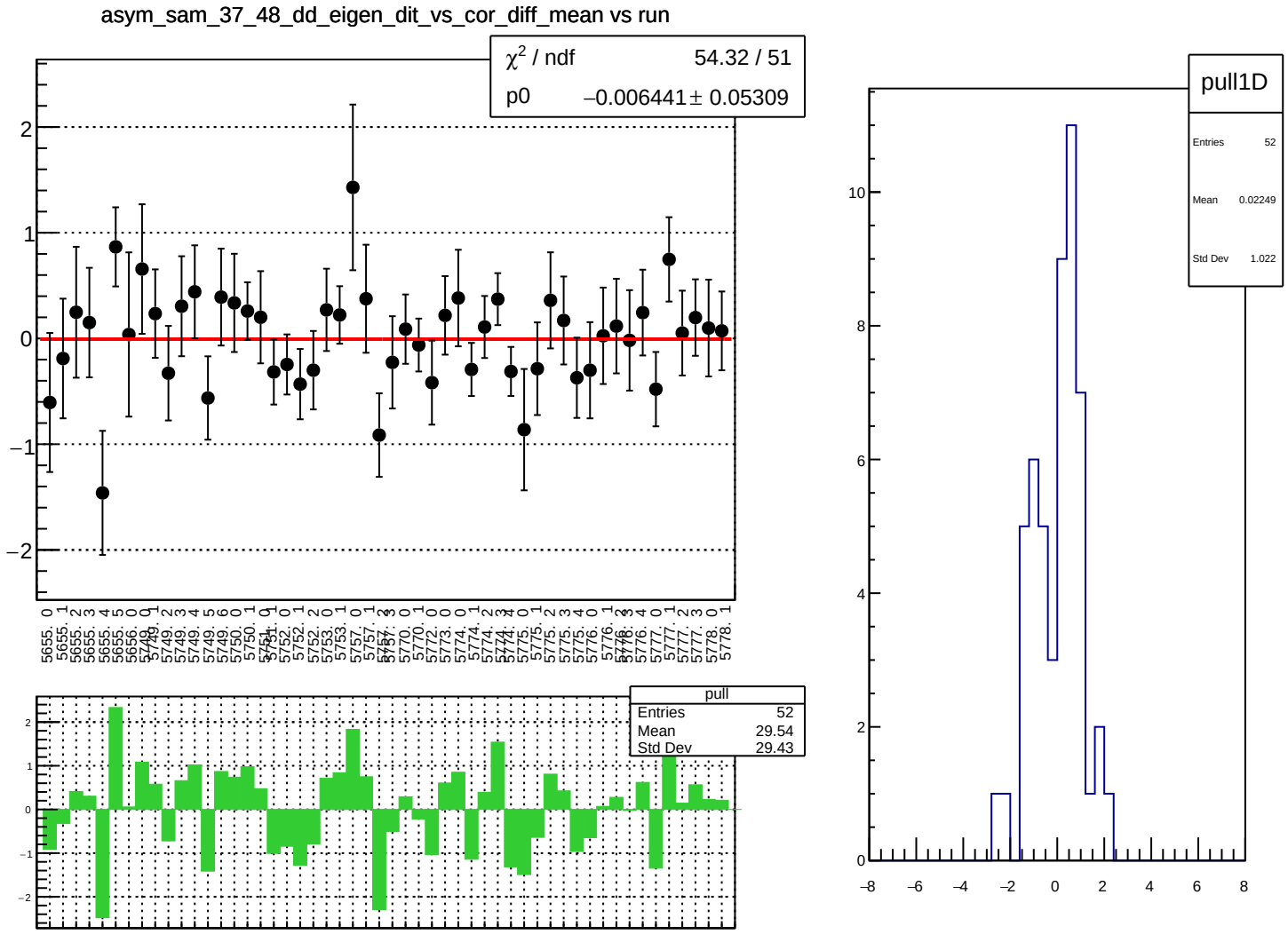

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.32 / 51
p0 −0.006442 ± 0.05309
pull
Entries 52
Mean 29.54
Std Dev 29.43
pull1D
Entries 52
Mean 0.02249
Std Dev 1.022

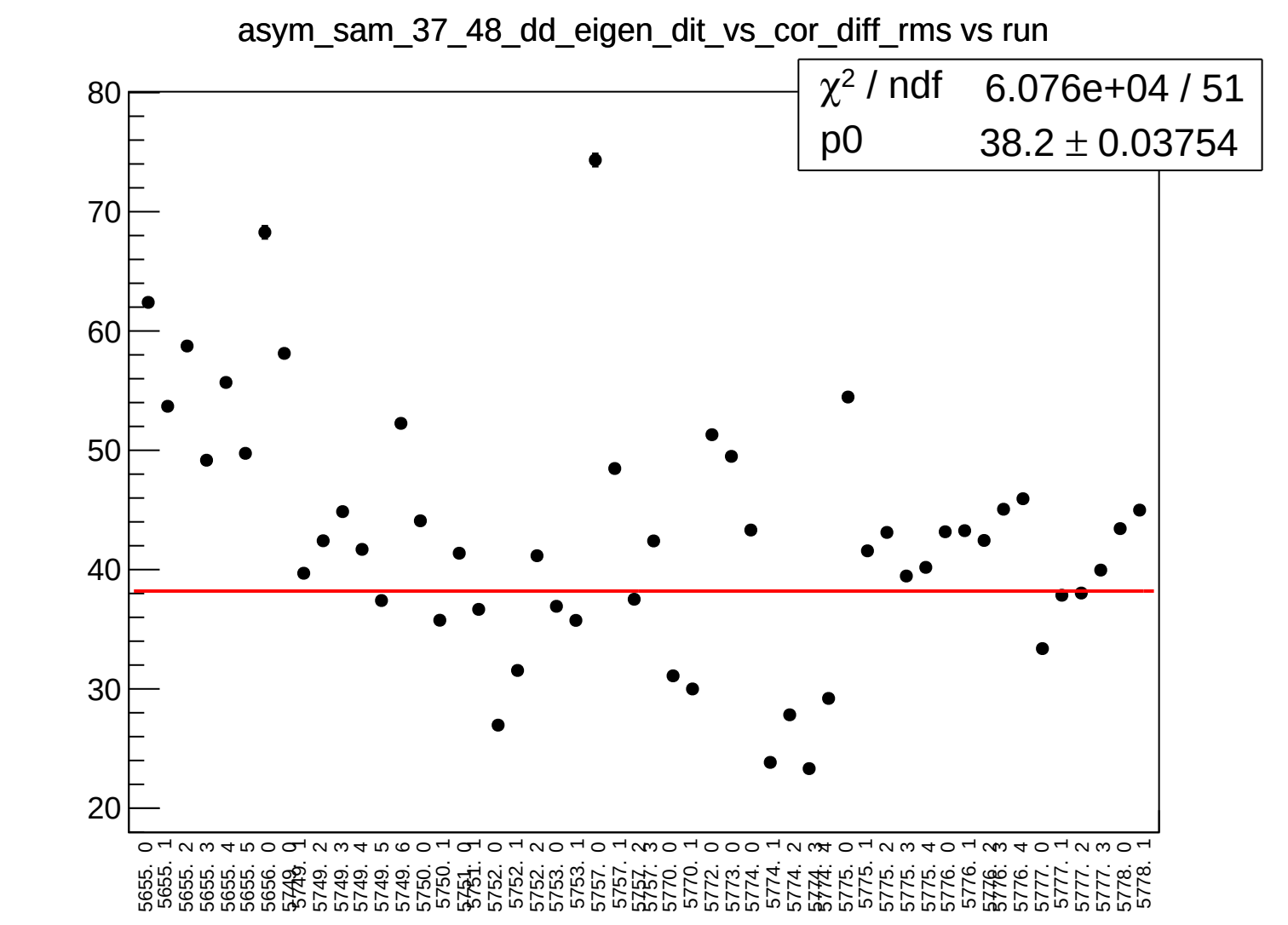

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.076e+04 / 51
p0 38.2 ± 0.03754
80
70
60
50
40
30
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

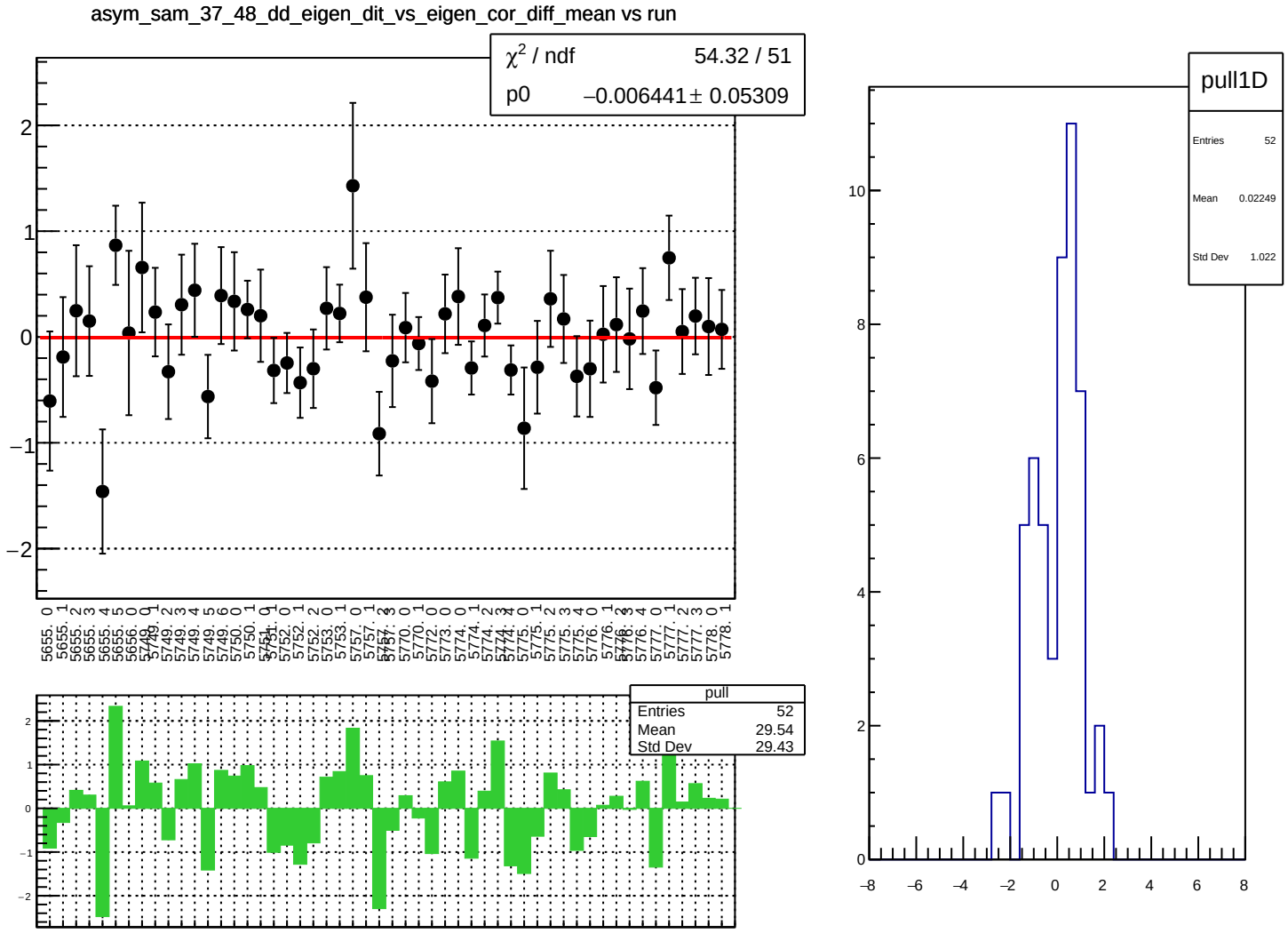

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 52.67 / 51
p0 −1.308e−06 ± 1.049e−06
pull
Entries 52
Mean −17.65
Std Dev 0

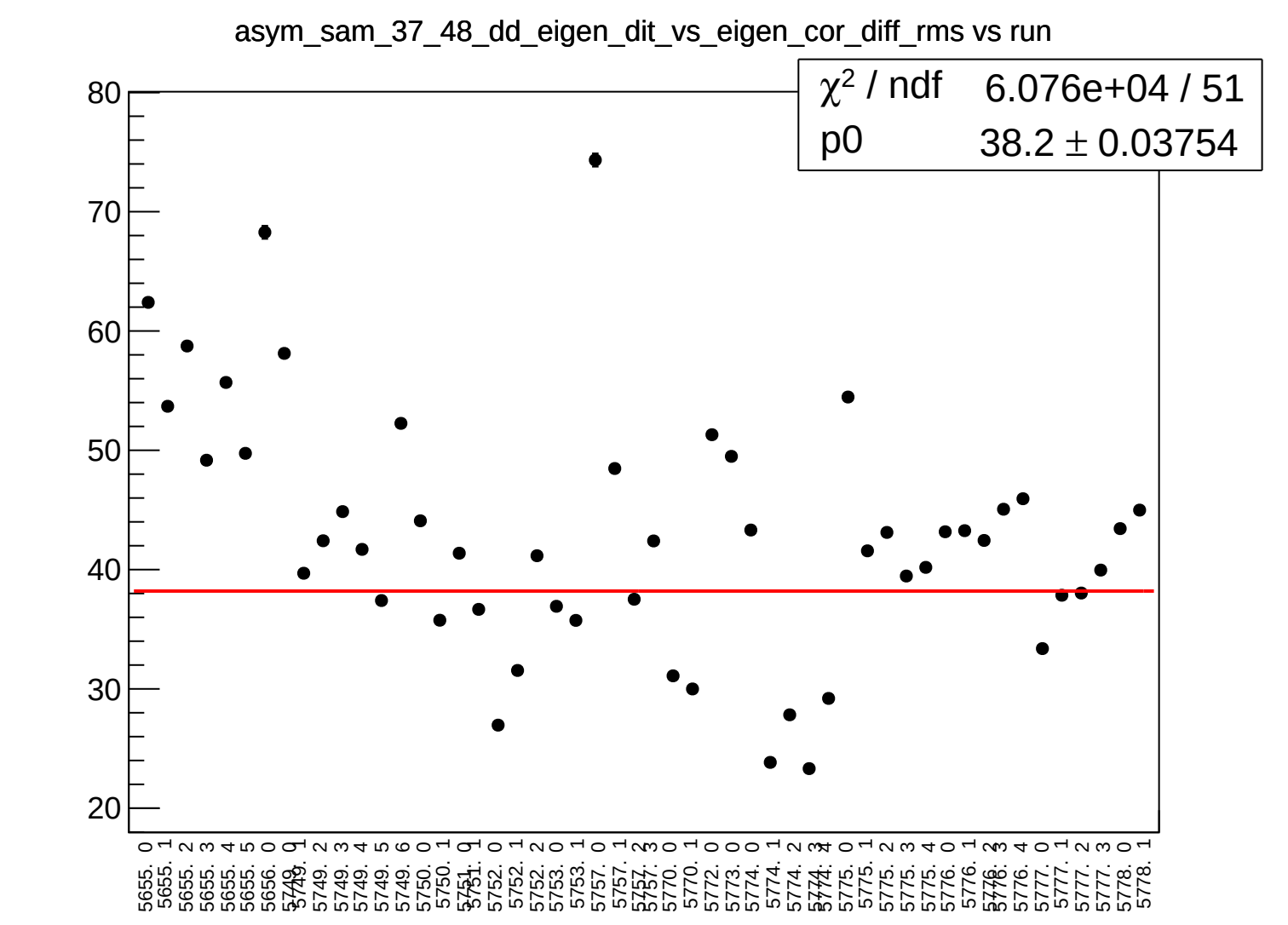

pull1D
Entries 52
Mean −0.02692
Std Dev 1.006


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.465e+04 / 51
p0 0.0007574 ± 7.421e−07
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.32 / 51
p0 −0.006441 ± 0.05309
pull
Entries 52
Mean 29.54
Std Dev 29.43
pull1D
Entries 52
Mean 0.02249
Std Dev 1.022


asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.076e+04 / 51
p0 38.2 ± 0.03754
80
70
60
50
40
30
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.32 / 51
p0 −0.006441 ± 0.05309
pull
Entries 52
Mean 29.54
Std Dev 29.43
pull1D
Entries 52
Mean 0.02249
Std Dev 1.022


asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.076e+04 / 51
p0 38.2 ± 0.03754
80
70
60
50
40
30
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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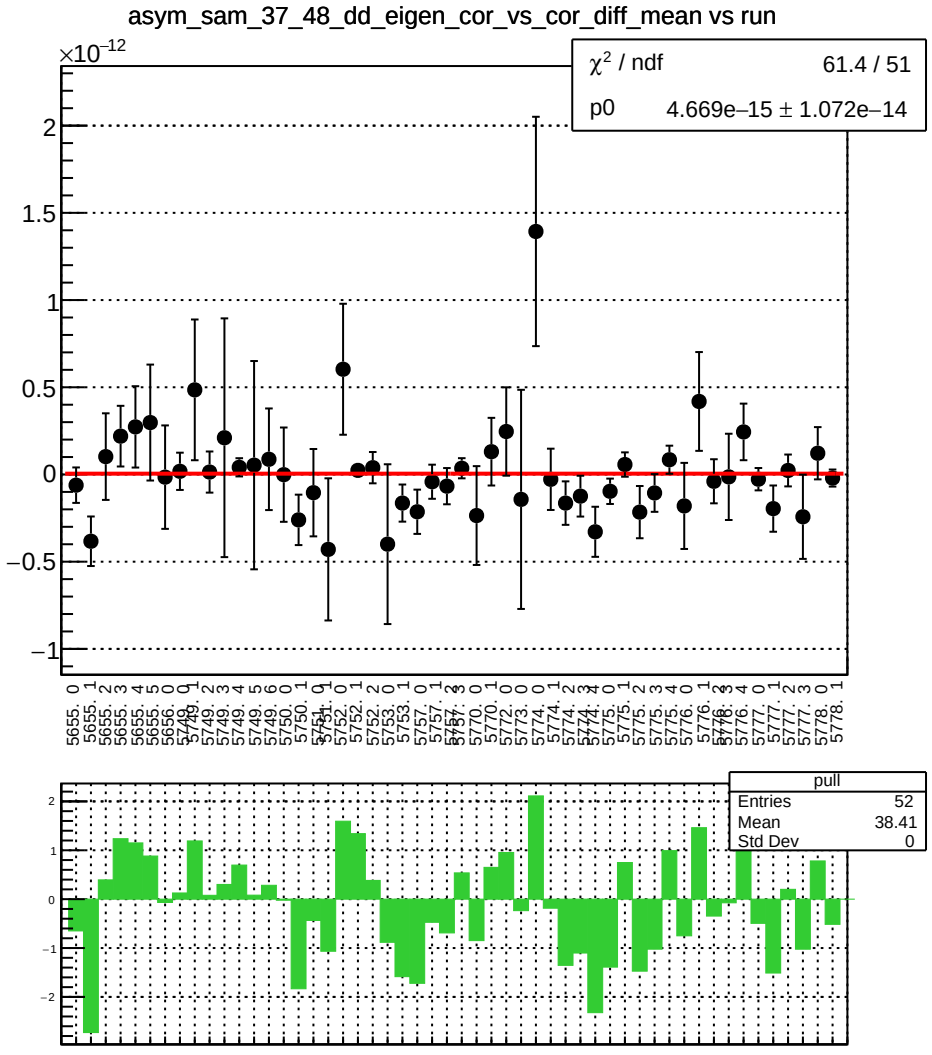
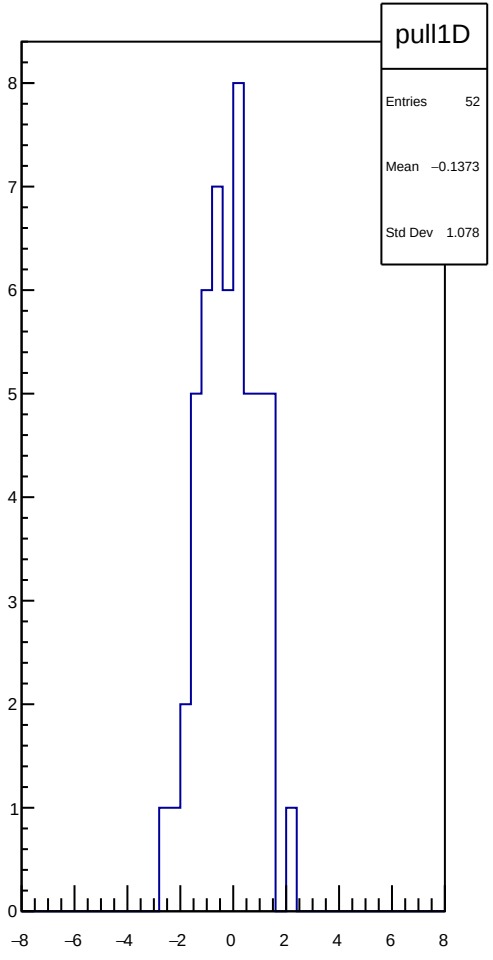
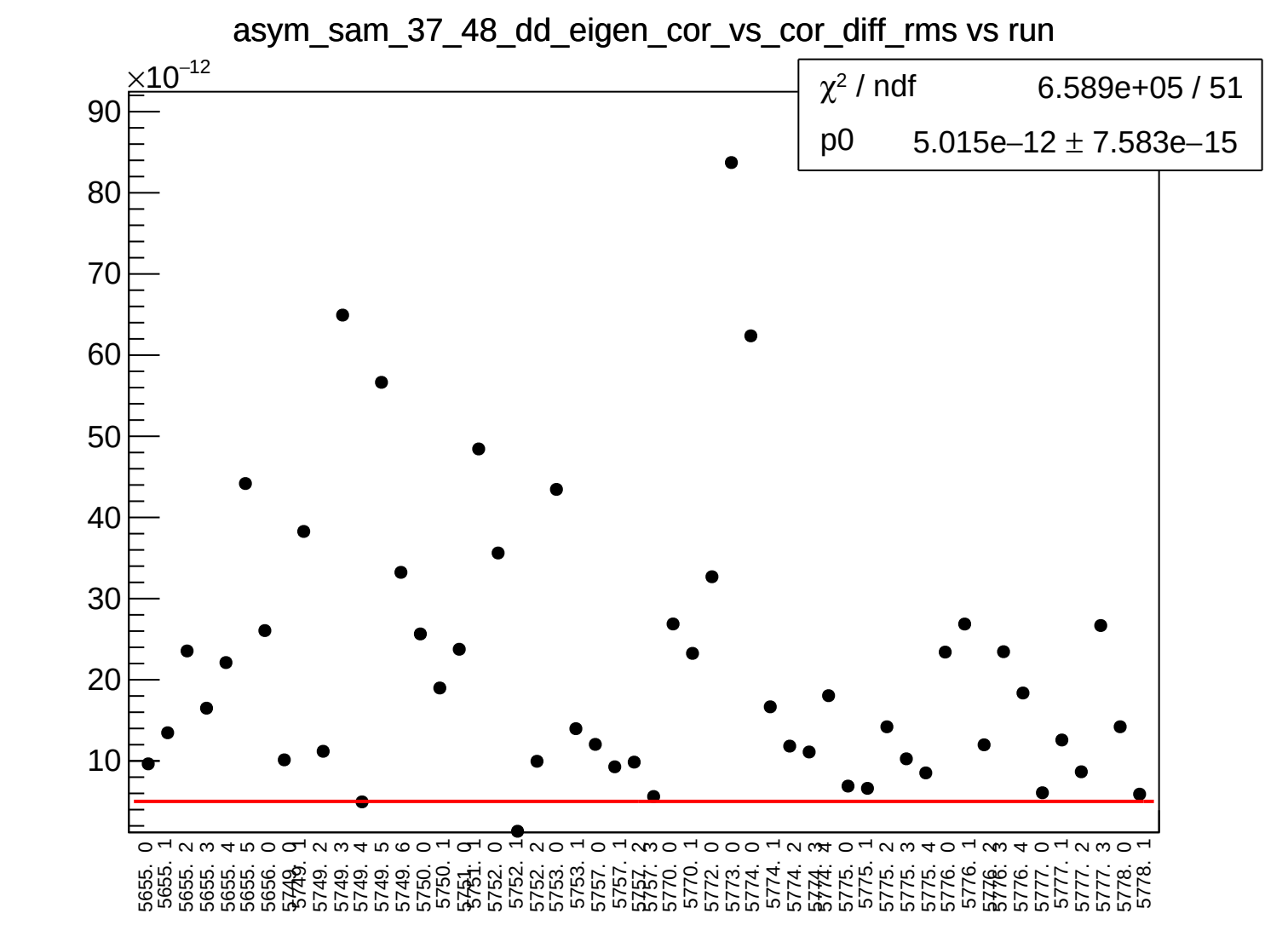
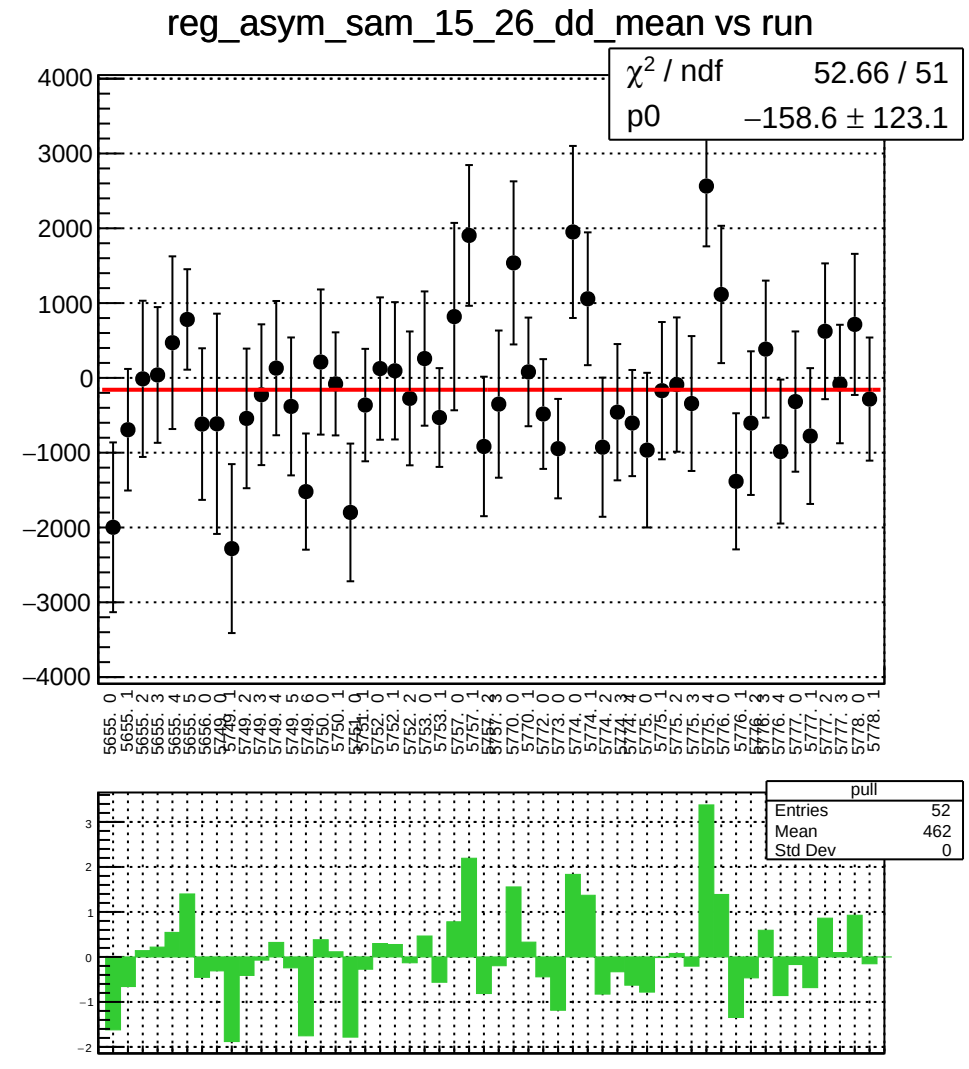
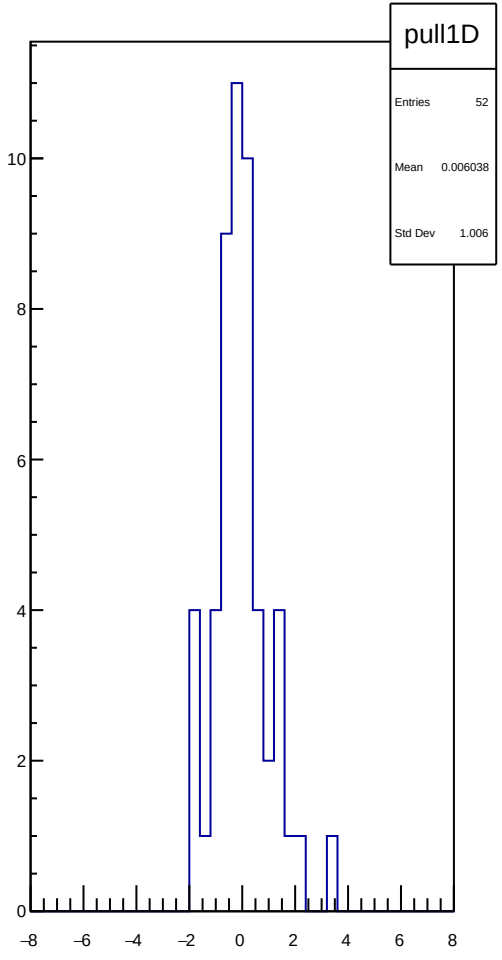
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

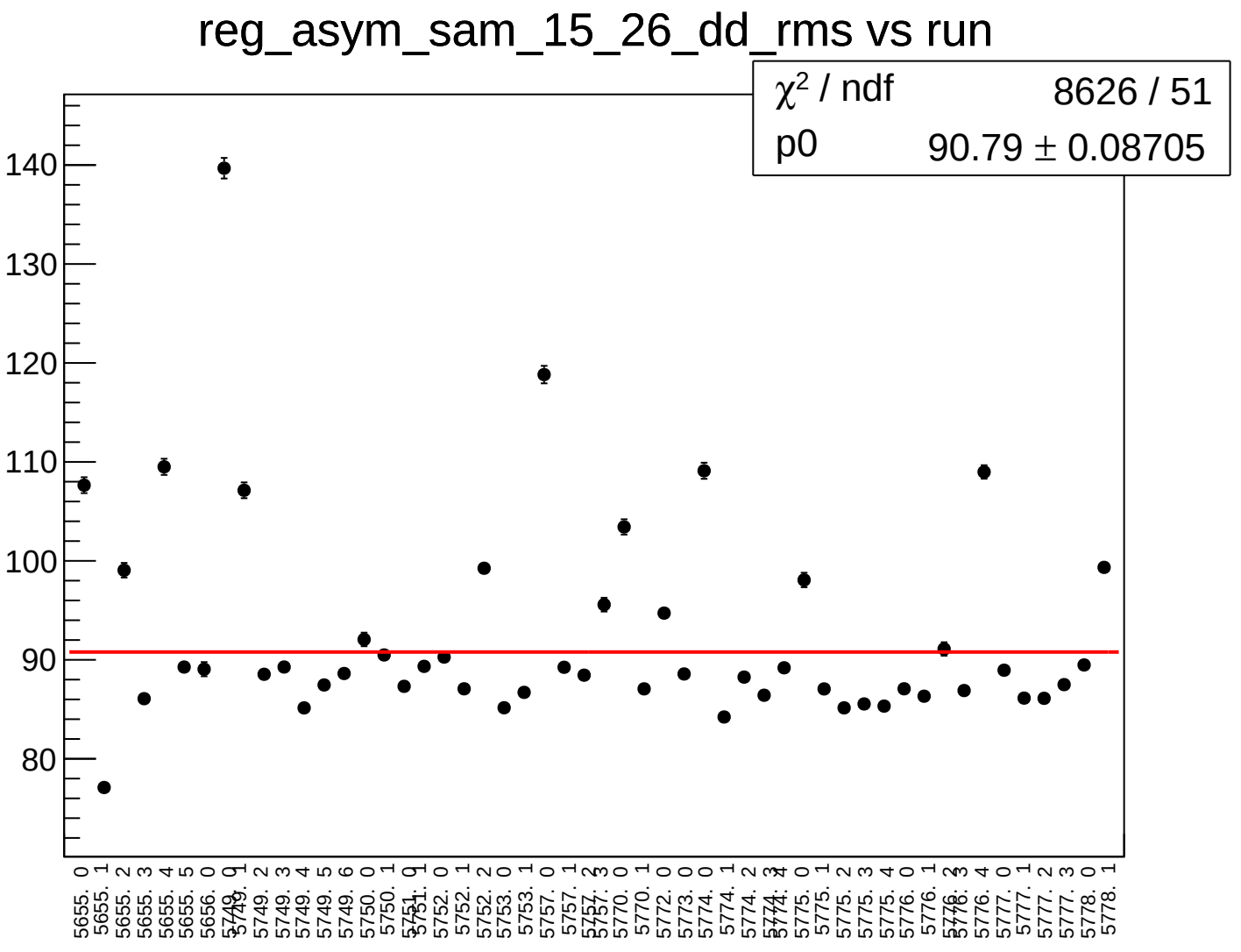

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 61.4 / 51
p0 4.669e−15 ± 1.072e−14
pull
Entries 52
Mean 38.41
Std Dev 0


pull1D
Entries 52
Mean −0.1373
Std Dev 1.078


asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 6.589e+05 / 51
p0 5.015e−12 ± 7.583e−15
90
80
70
60
50
40
30
20
10
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


reg_asym_sam_15_26_dd_mean vs run
χ² / ndf 52.66 / 51
p0 −158.6 ± 123.1
pull
Entries 52
Mean 462
Std Dev 0


pull1D
Entries 52
Mean 0.006038
Std Dev 1.006


reg_asym_sam_15_26_dd_rms vs run
χ² / ndf 8626 / 51
p0 90.79 ± 0.08705
140
130
120
110
100
90
80
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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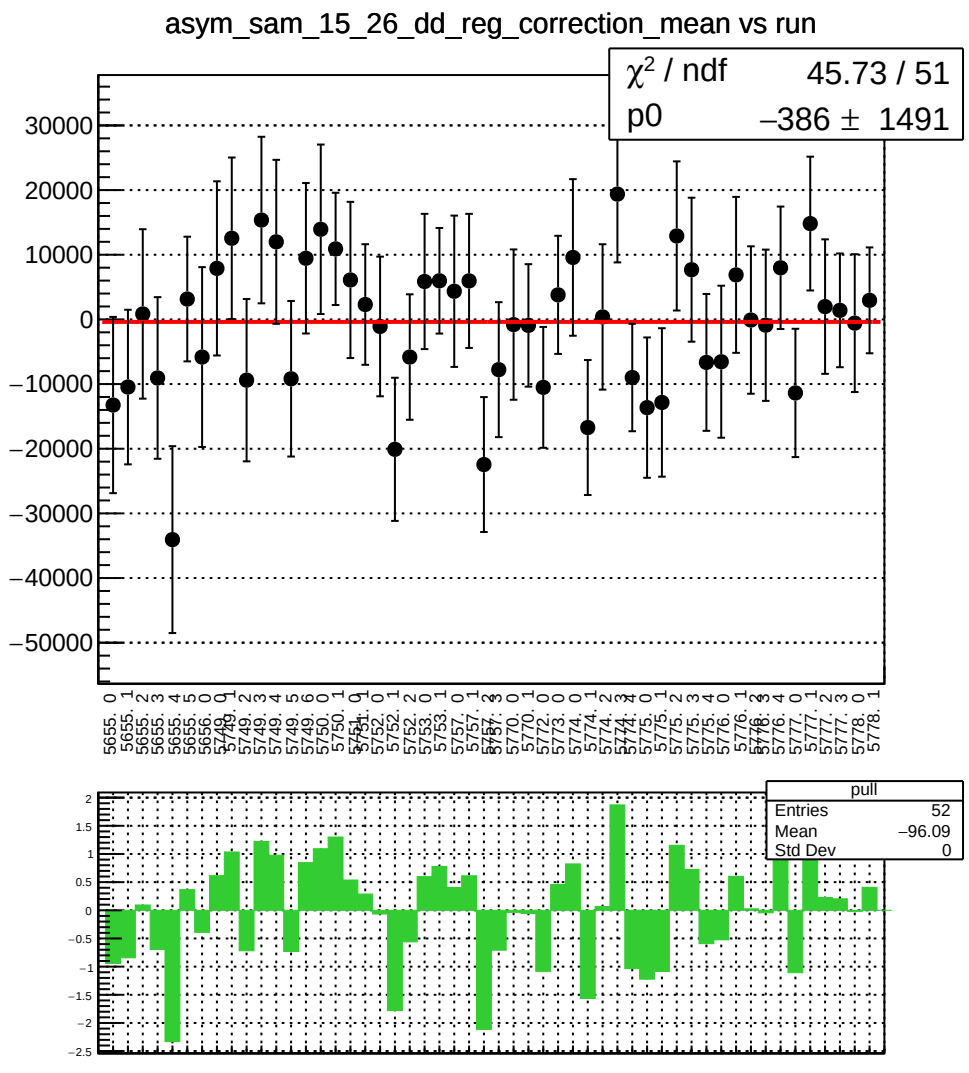
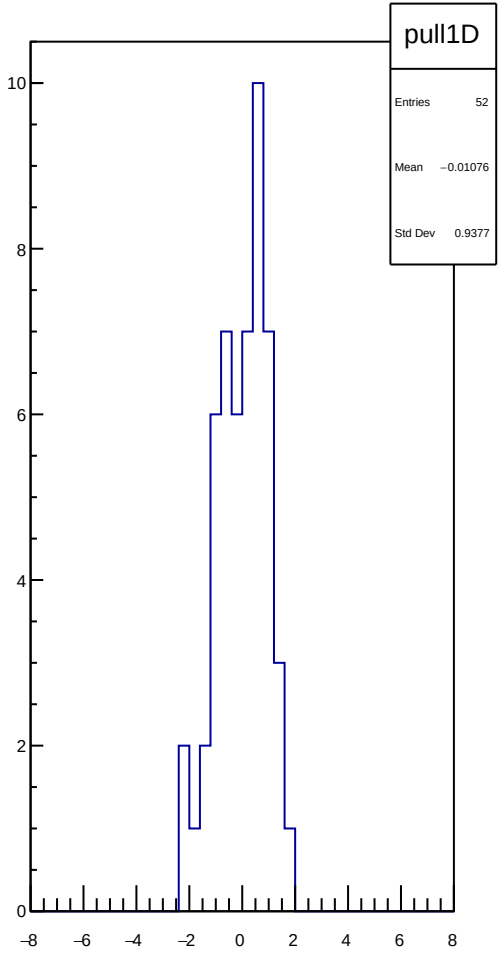
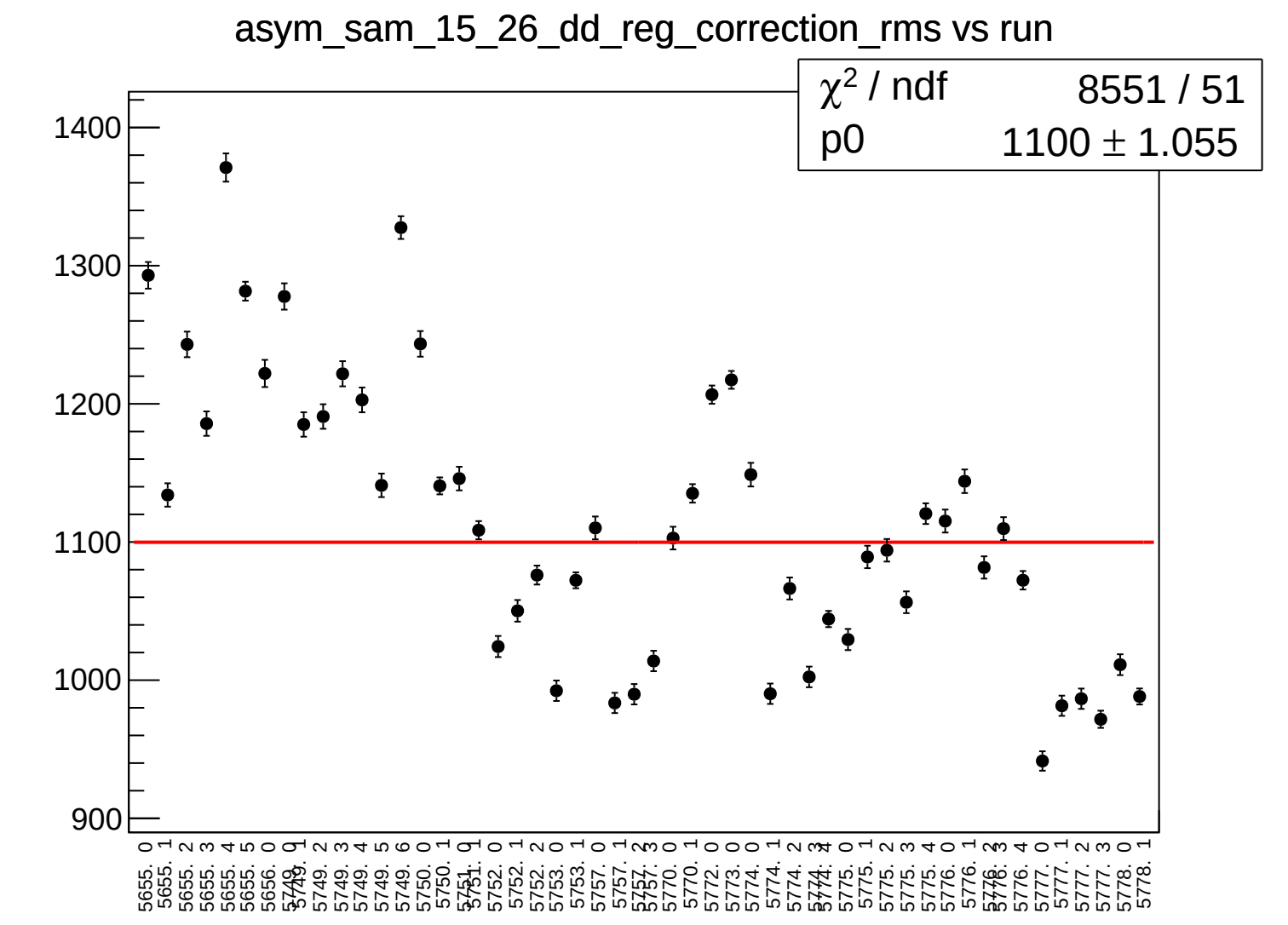
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_15_26_dd_reg_correction_mean vs run
χ² / ndf 45.73 / 51
p0 −386 ± 1491
pull
Entries 52
Mean −96.09
Std Dev 0


pull1D
Entries 52
Mean −0.01076
Std Dev 0.9377


asym_sam_15_26_dd_reg_correction_rms vs run
χ² / ndf 8551 / 51
p0 1100 ± 1.055
1400
1300
1200
1100
1000
900
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
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5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5777. 2
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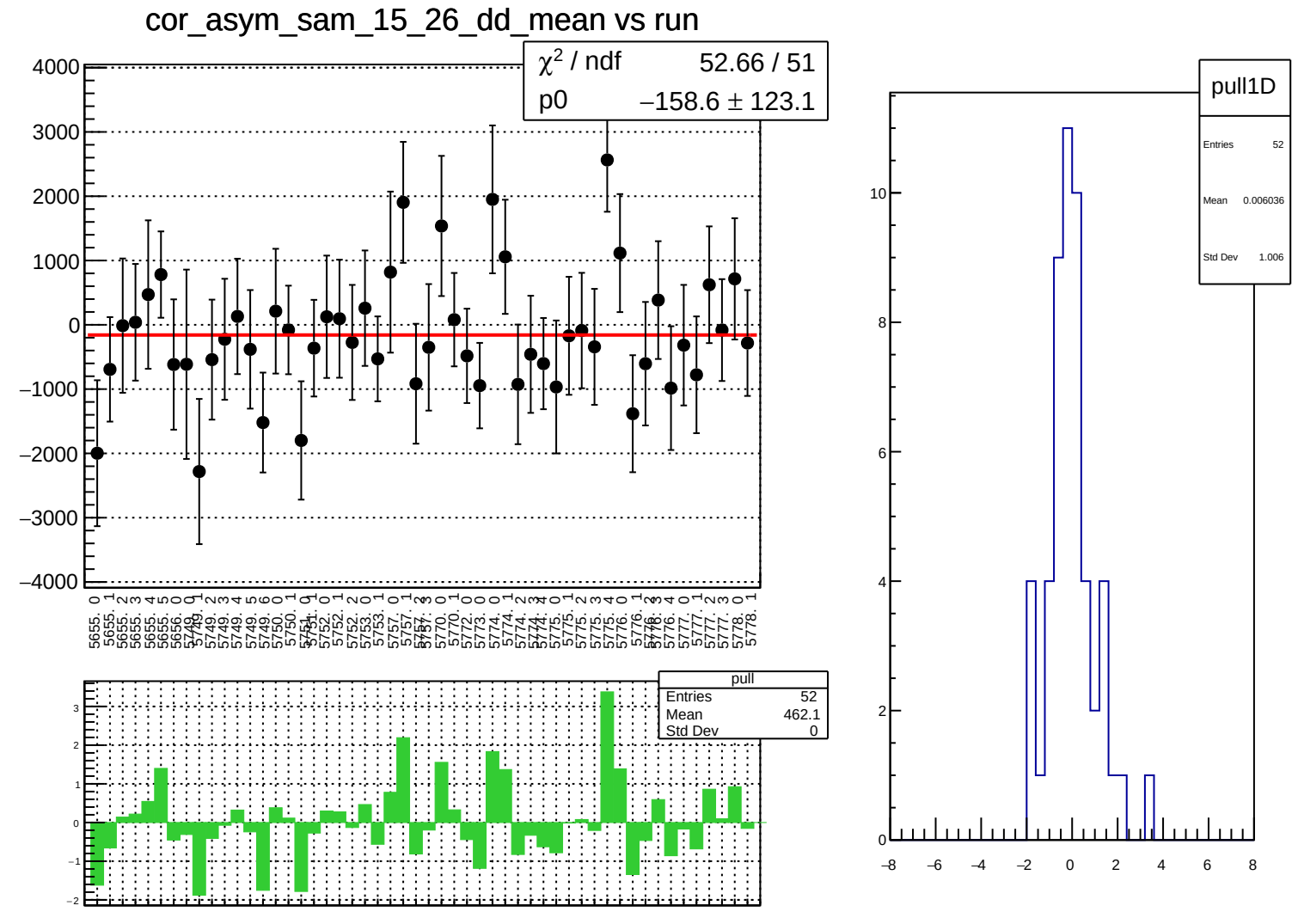
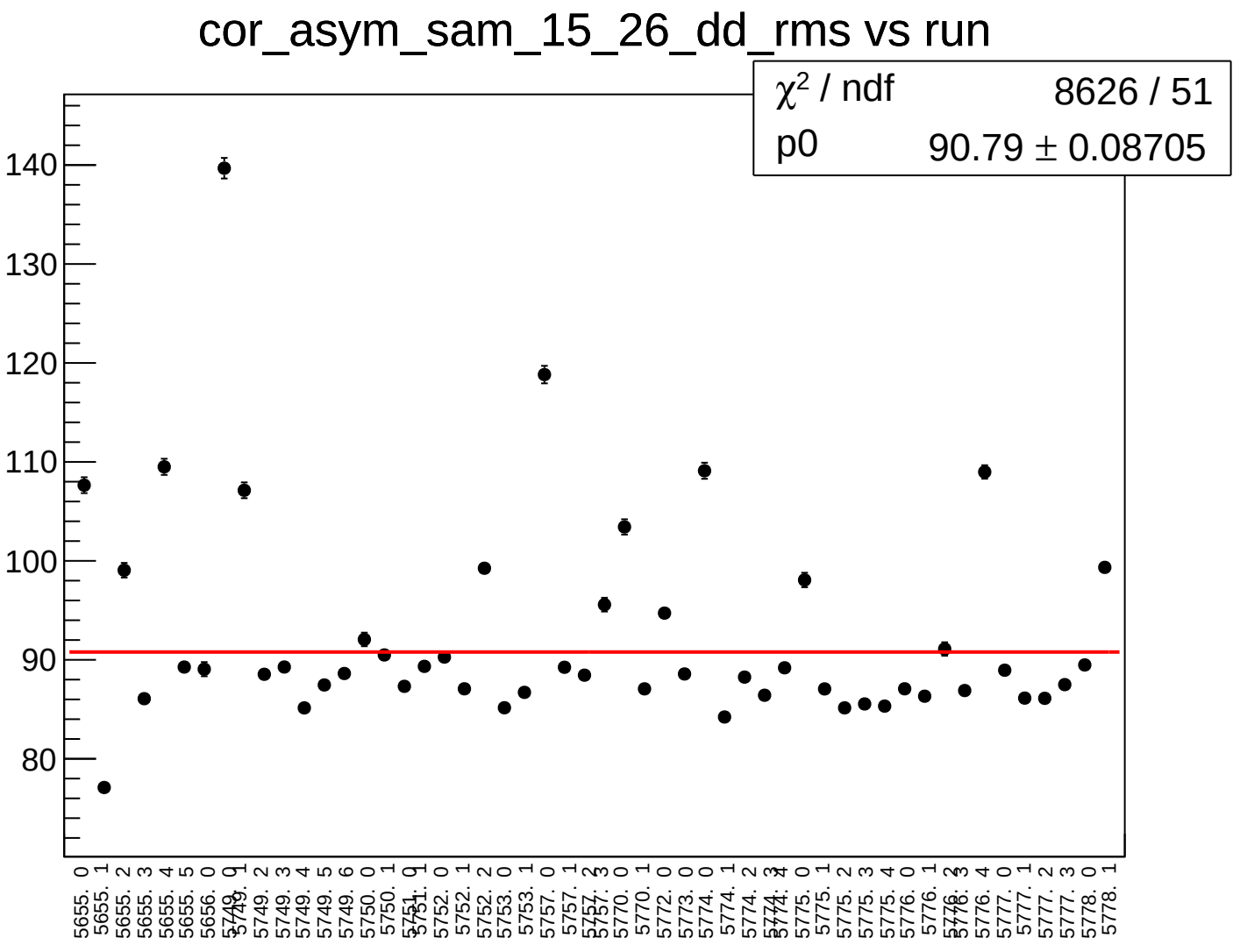
5778. 0
5778. 1


cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 52.66 / 51
p0 −158.6 ± 123.1
pull
Entries 52
Mean 462.1
Std Dev 0
pull1D
Entries 52
Mean 0.006036
Std Dev 1.006


cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 8626 / 51
p0 90.79 ± 0.08705
140
130
120
110
100
90
80
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
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5774. 1
5774. 2
5774. 3
5774. 4
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5775. 2
5775. 3
5775. 4
5776. 0
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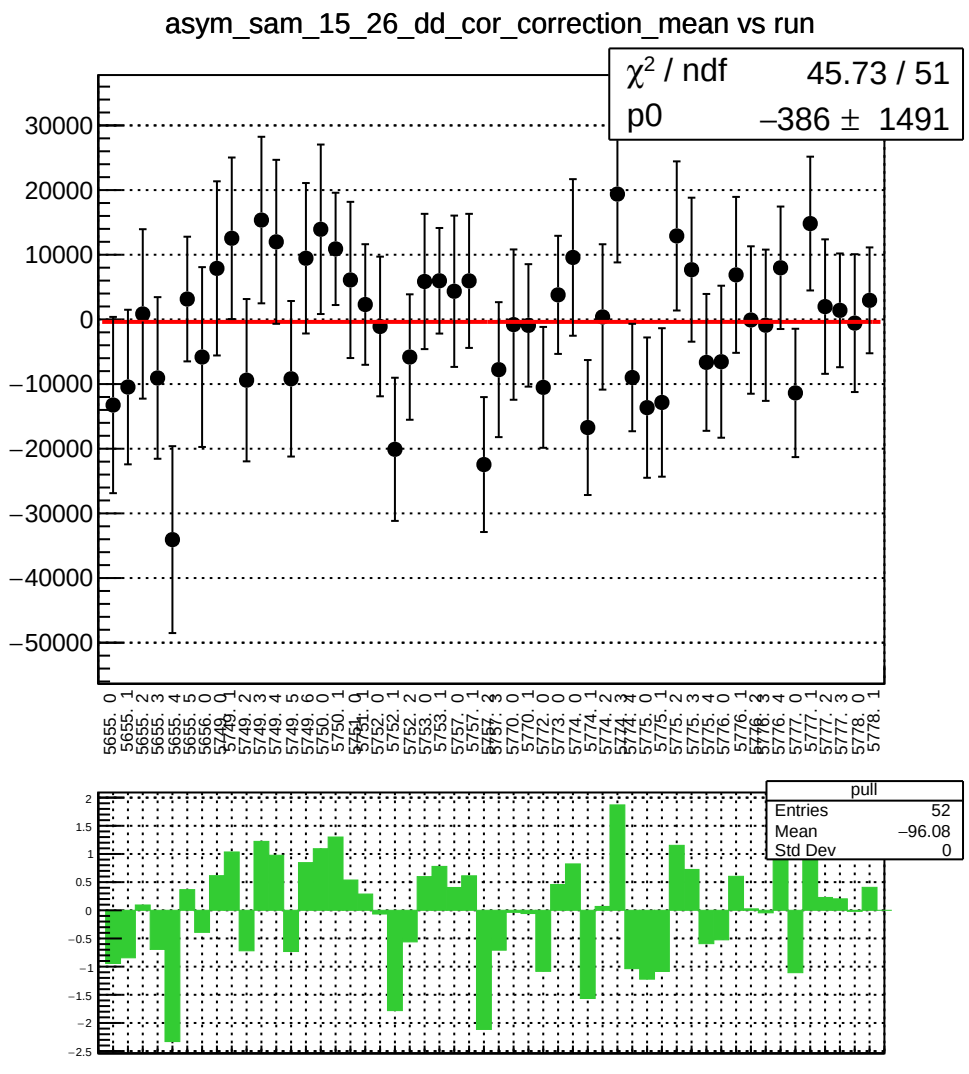
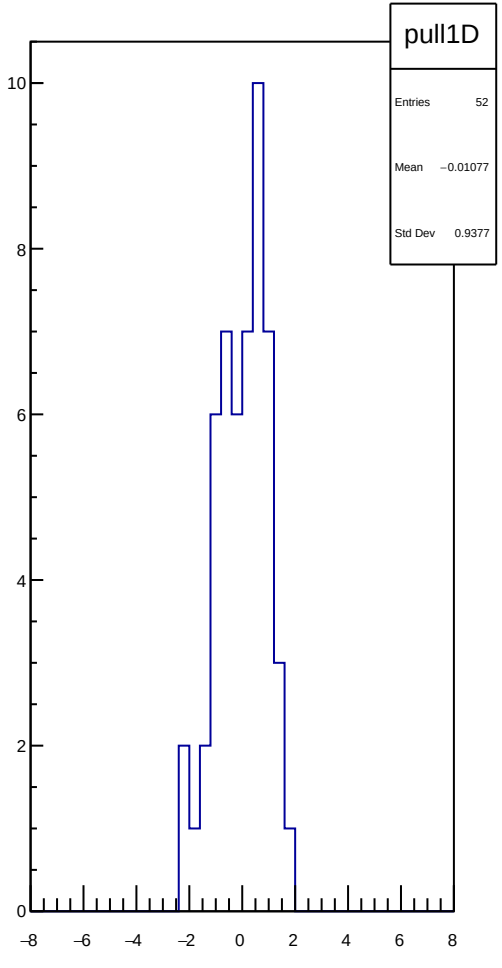
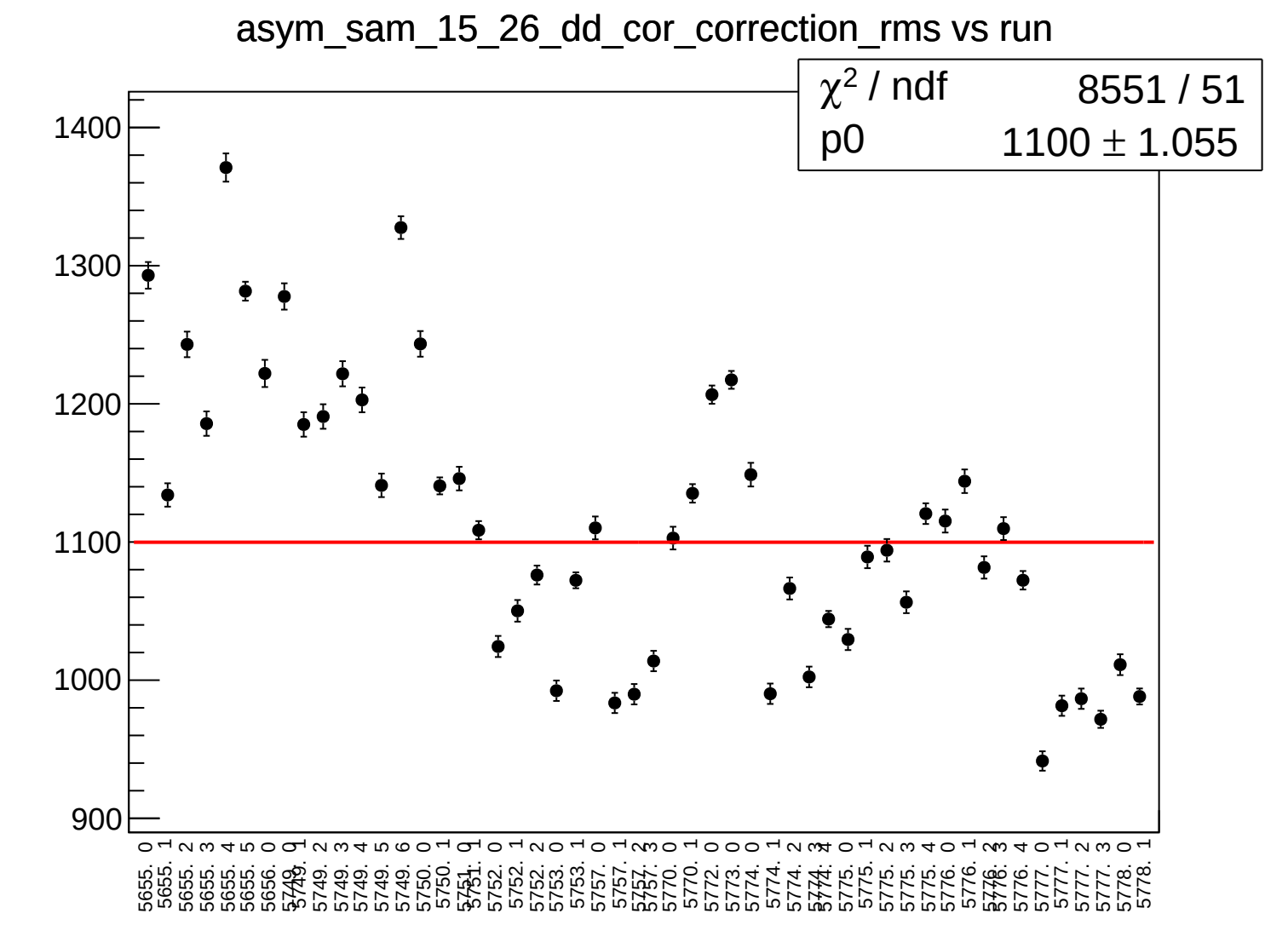

asym_sam_15_26_dd_cor_correction_mean vs run
χ² / ndf 45.73 / 51
p0 −386 ± 1491
pull
Entries 52
Mean −96.08
Std Dev 0


pull1D
Entries 52
Mean −0.01077
Std Dev 0.9377


asym_sam_15_26_dd_cor_correction_rms vs run
χ² / ndf 8551 / 51
p0 1100 ± 1.055
1400
1300
1200
1100
1000
900
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
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5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5770. 1
5772. 0
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5775. 2
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5776. 0
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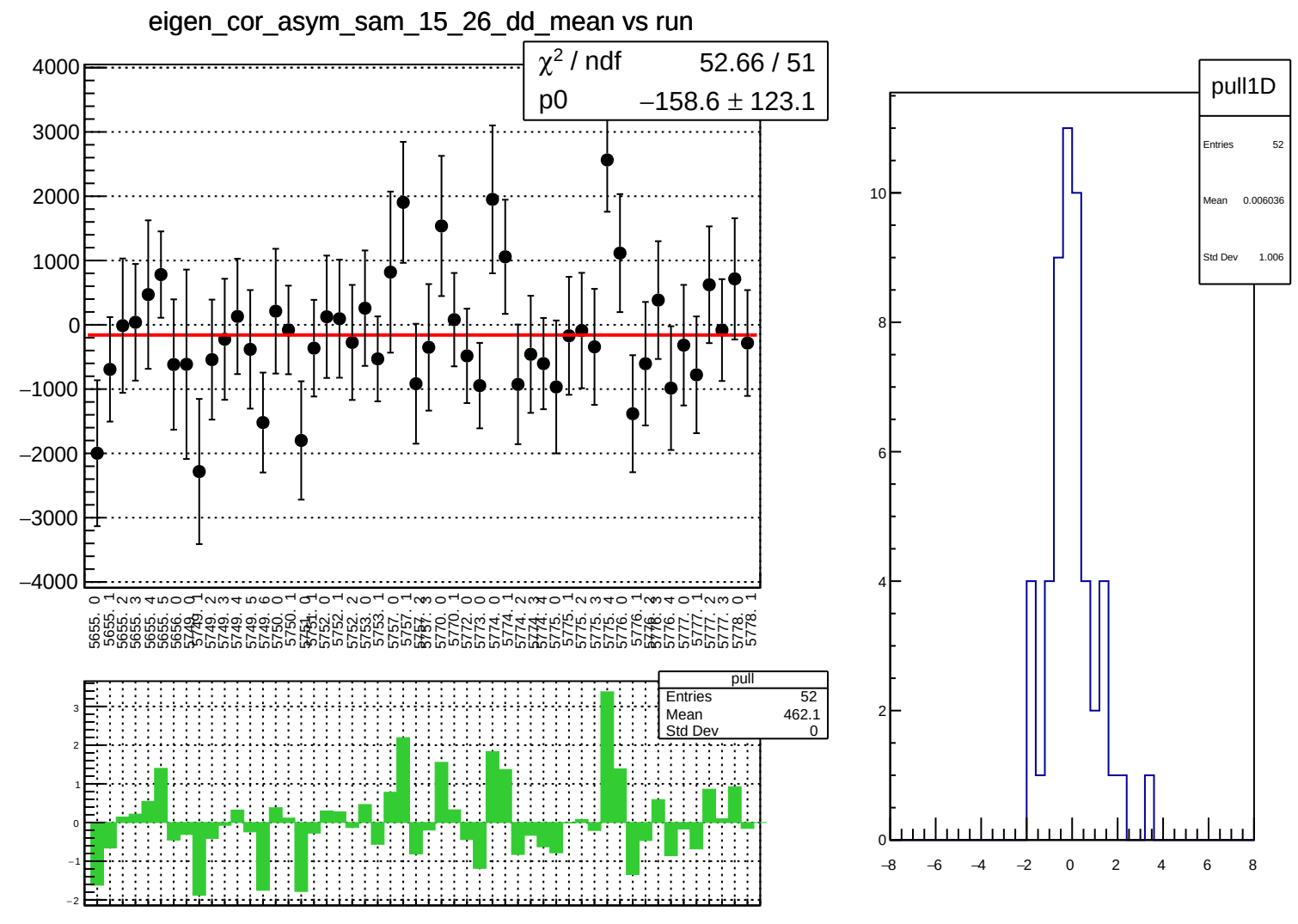
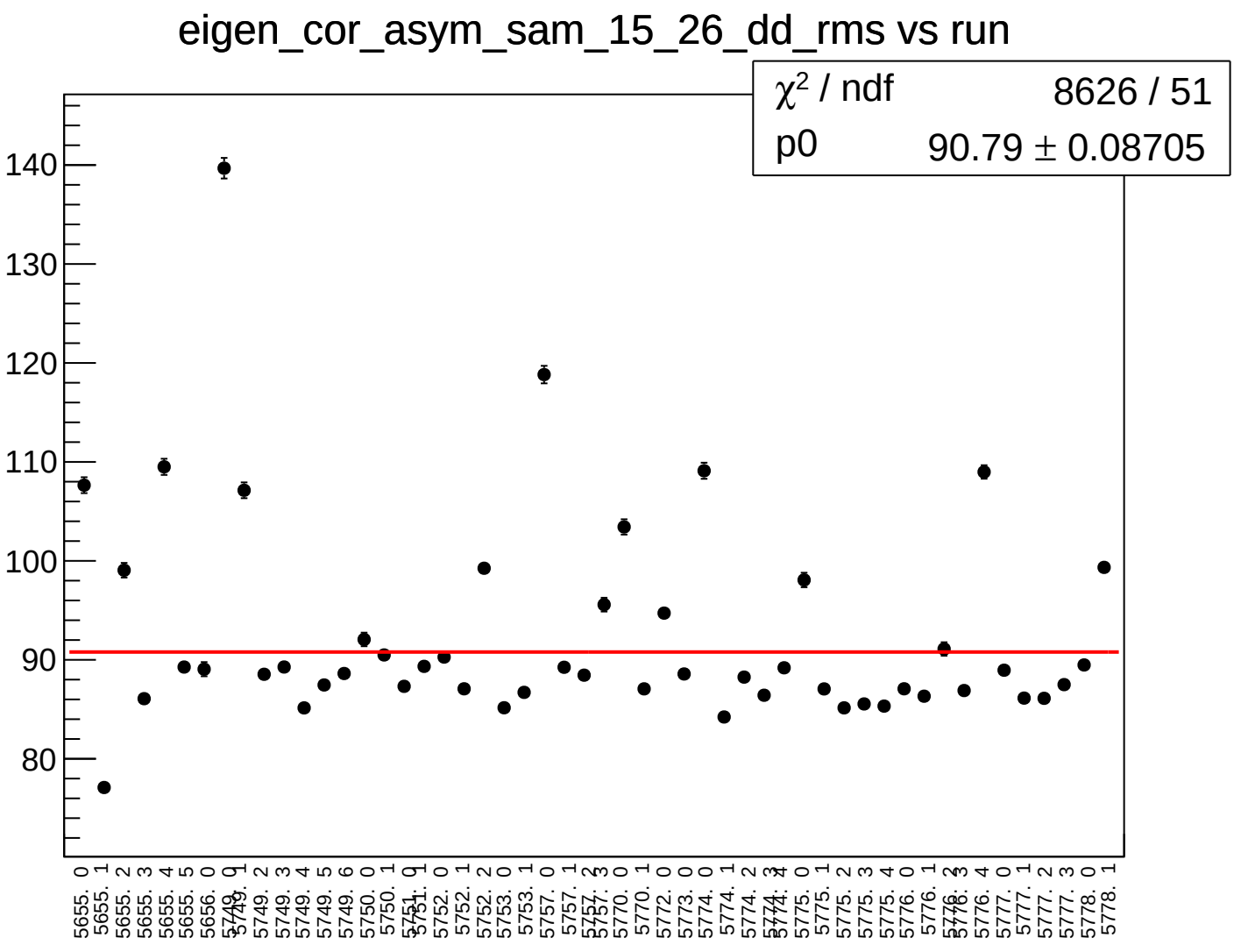
5777. 3
5778. 0
5778. 1


eigen_cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 52.66 / 51
p0 −158.6 ± 123.1
pull
Entries 52
Mean 462.1
Std Dev 0
pull1D
Entries 52
Mean 0.006036
Std Dev 1.006


eigen_cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 8626 / 51
p0 90.79 ± 0.08705
140
130
120
110
100
90
80
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5749. 2
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5749. 5
5749. 6
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5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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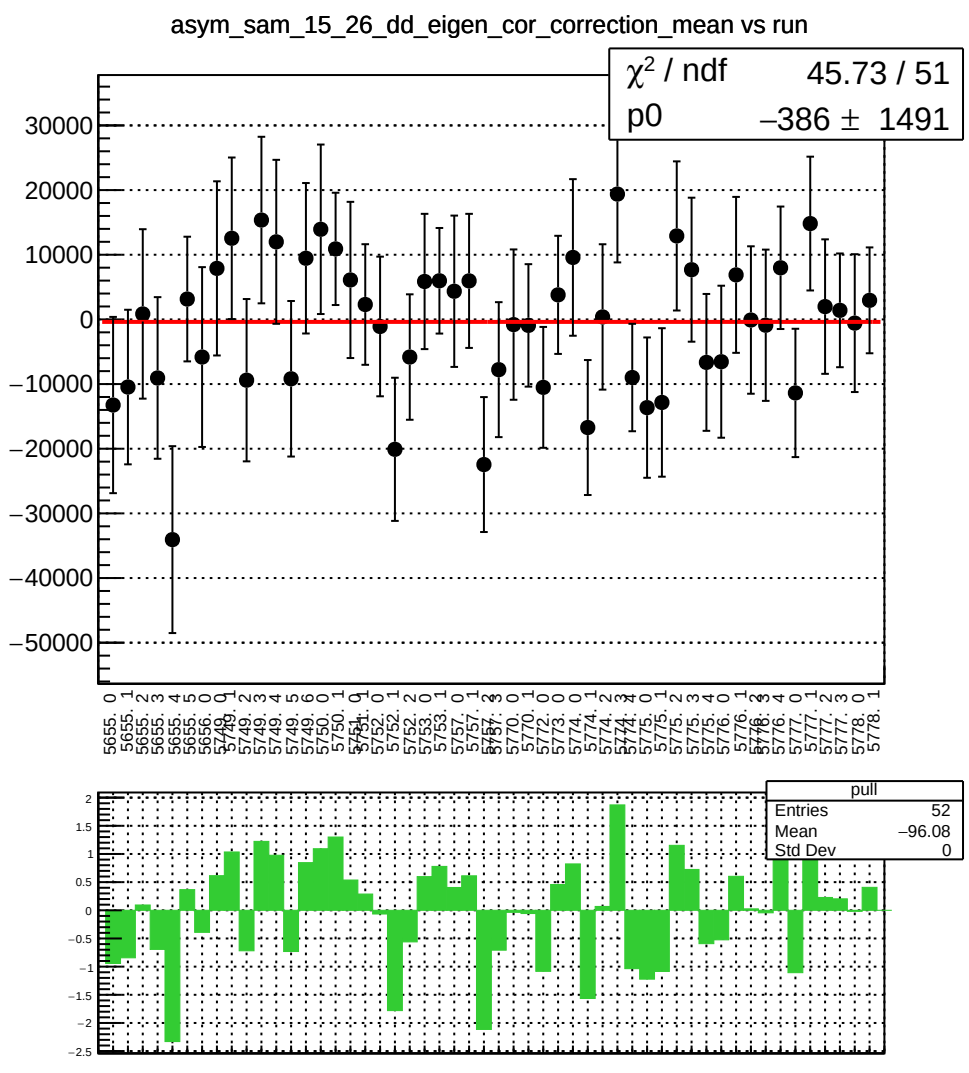
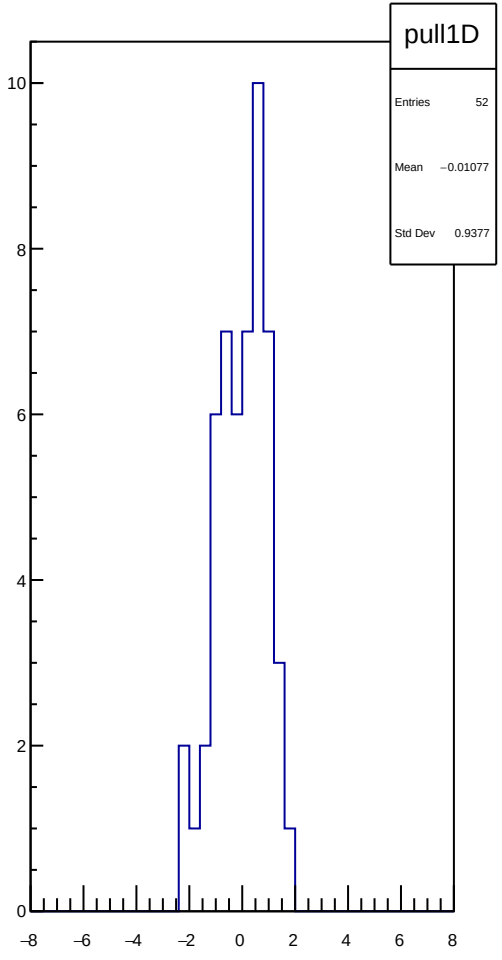
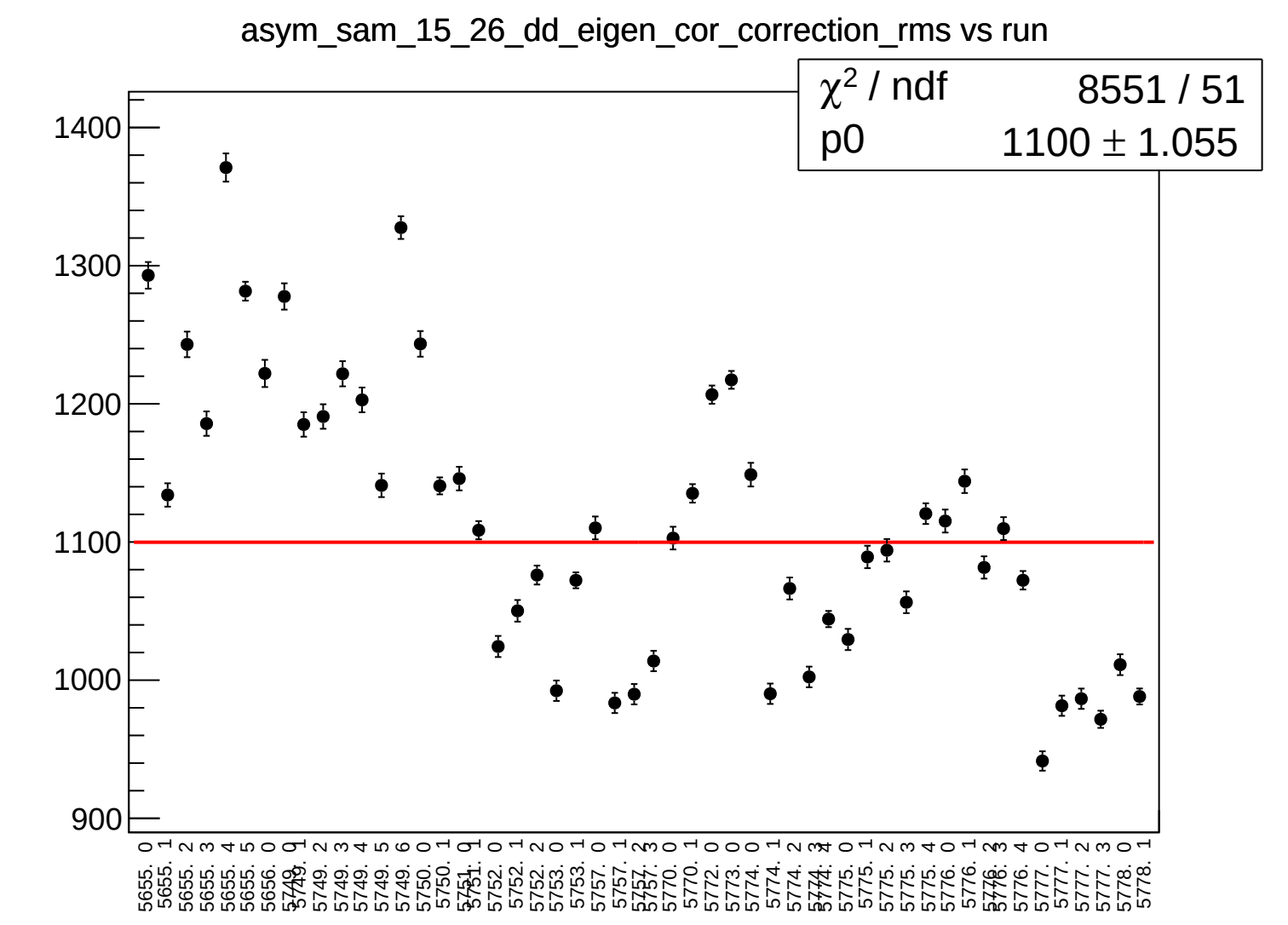
5778. 0
5778. 1


asym_sam_15_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 45.73 / 51
p0 −386 ± 1491
pull
Entries 52
Mean −96.08
Std Dev 0


pull1D
Entries 52
Mean −0.01077
Std Dev 0.9377


asym_sam_15_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 8551 / 51
p0 1100 ± 1.055
1400
1300
1200
1100
1000
900
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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5753. 1
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5778. 0
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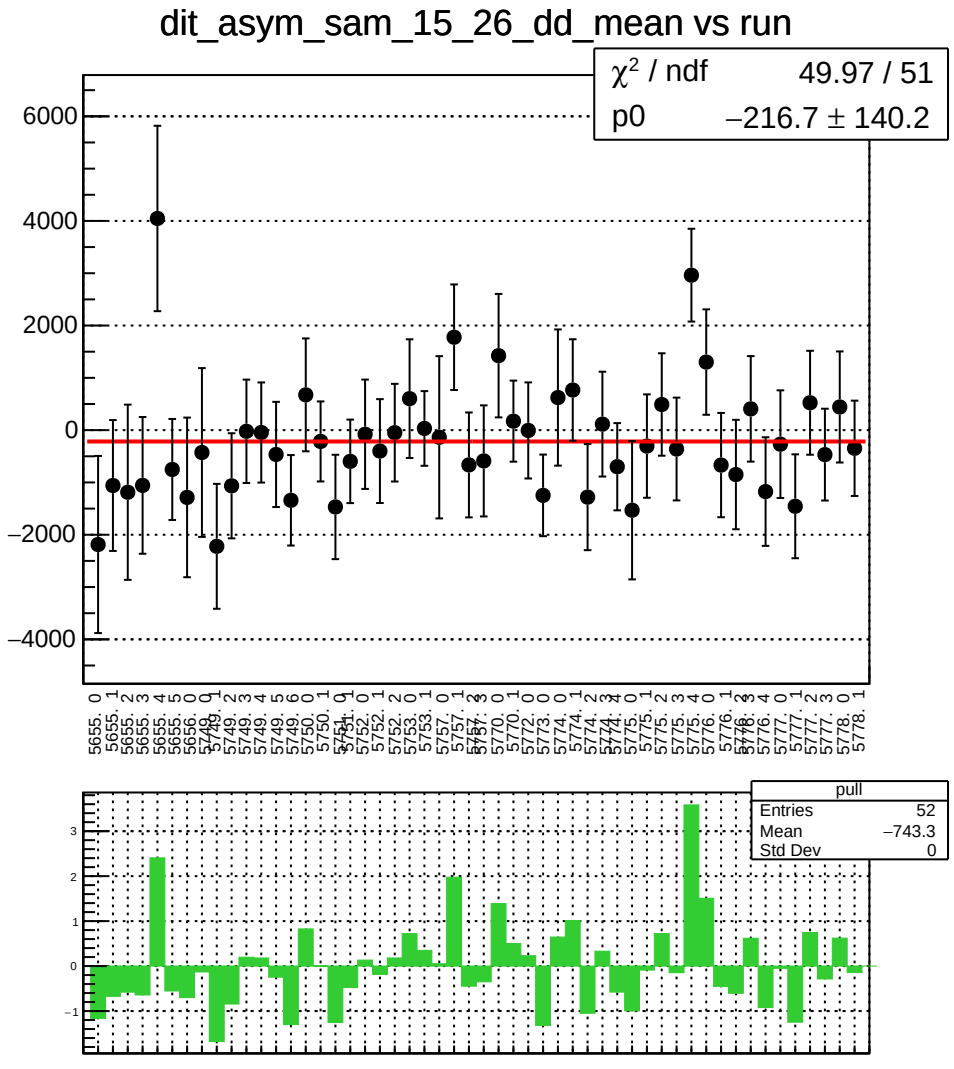
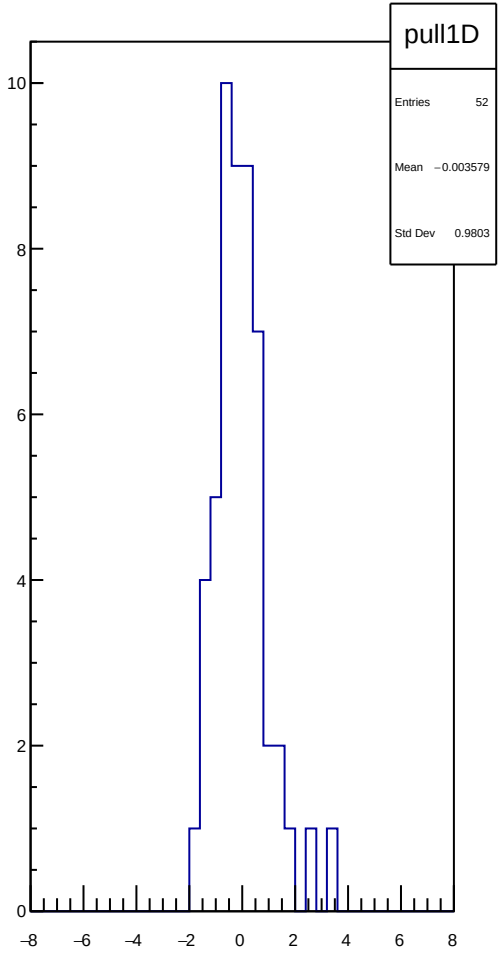
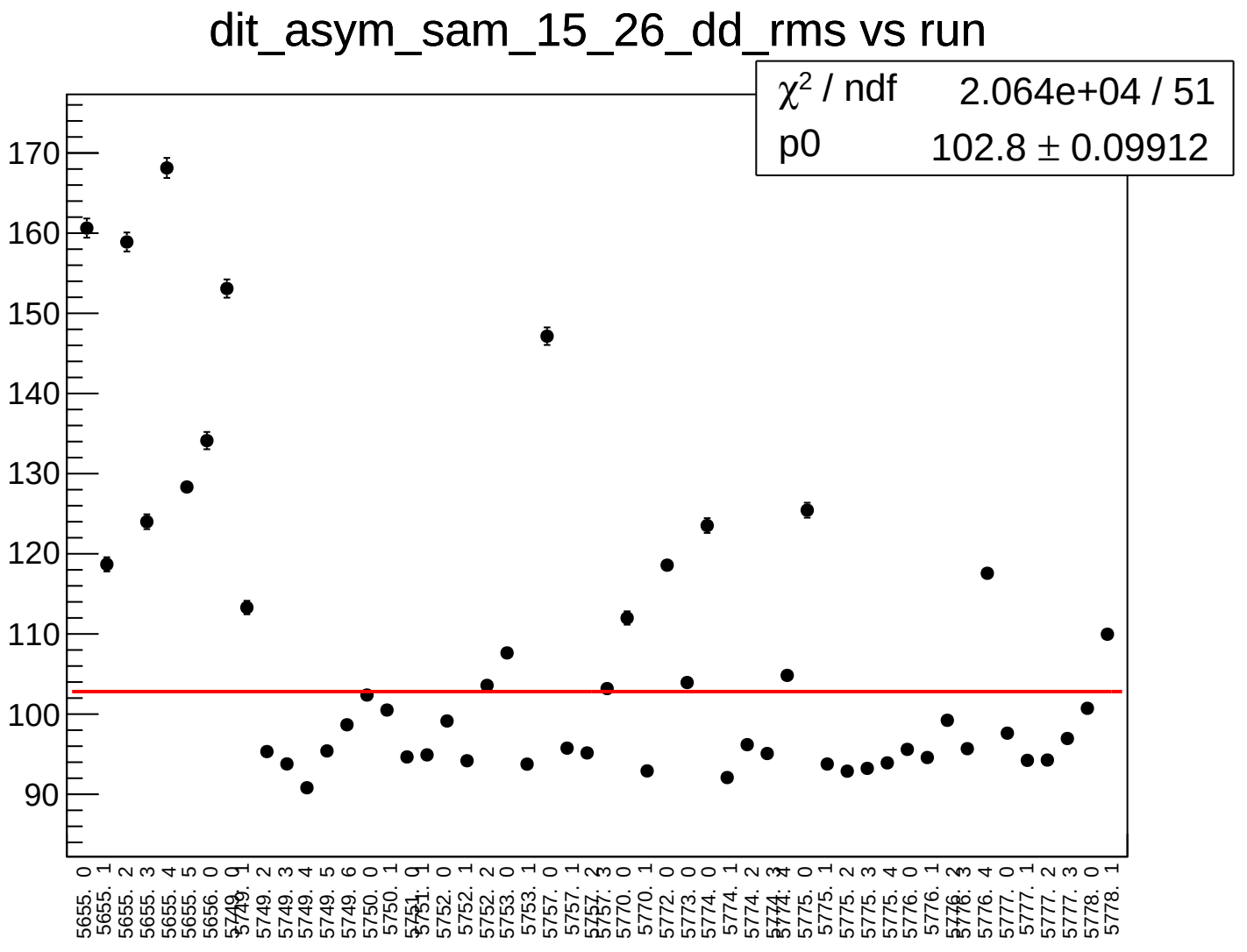

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 49.97 / 51
p0 −216.7 ± 140.2
6000
4000
2000
0
−2000
−4000
pull
Entries 52
Mean −743.3
Std Dev 0


pull1D
Entries 52
Mean −0.003579
Std Dev 0.9803
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 2.064e+04 / 51
p0 102.8 ± 0.09912
170
160
150
140
130
120
110
100
90
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5750. 1
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5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
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5774. 2
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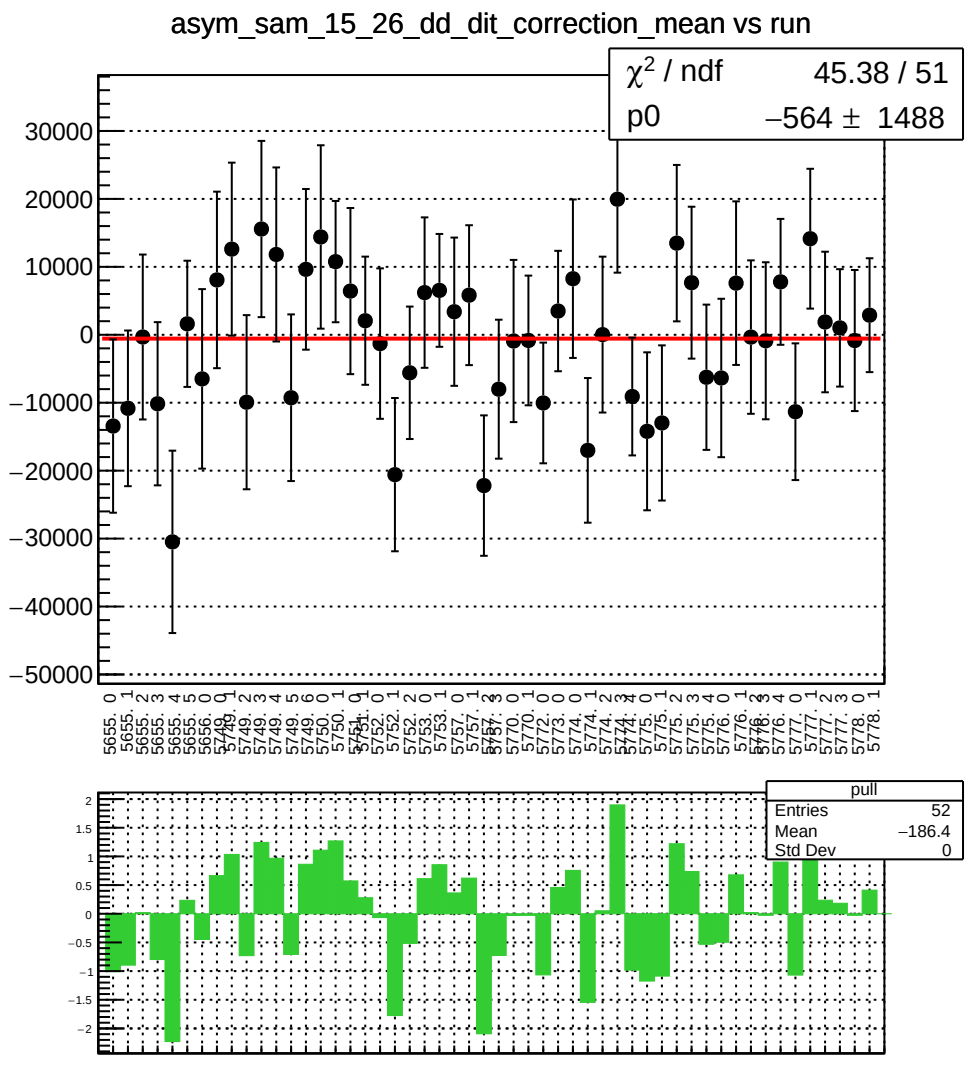
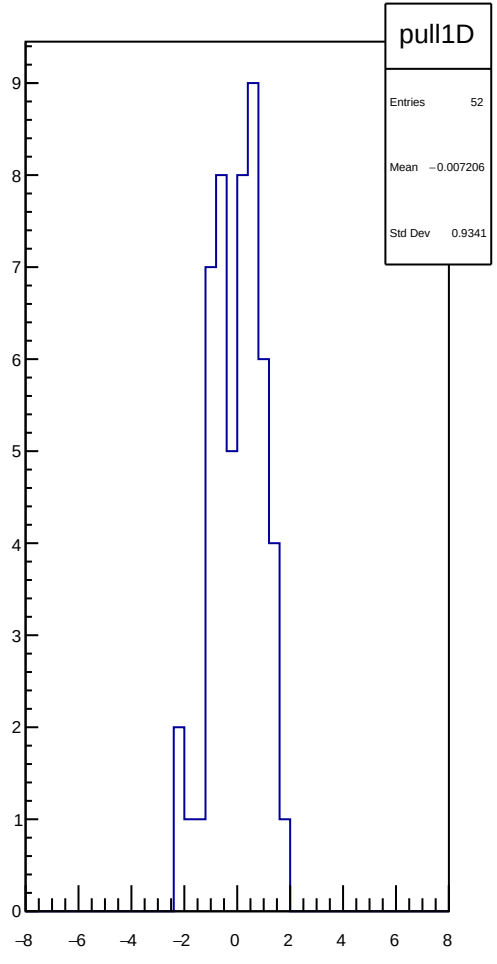
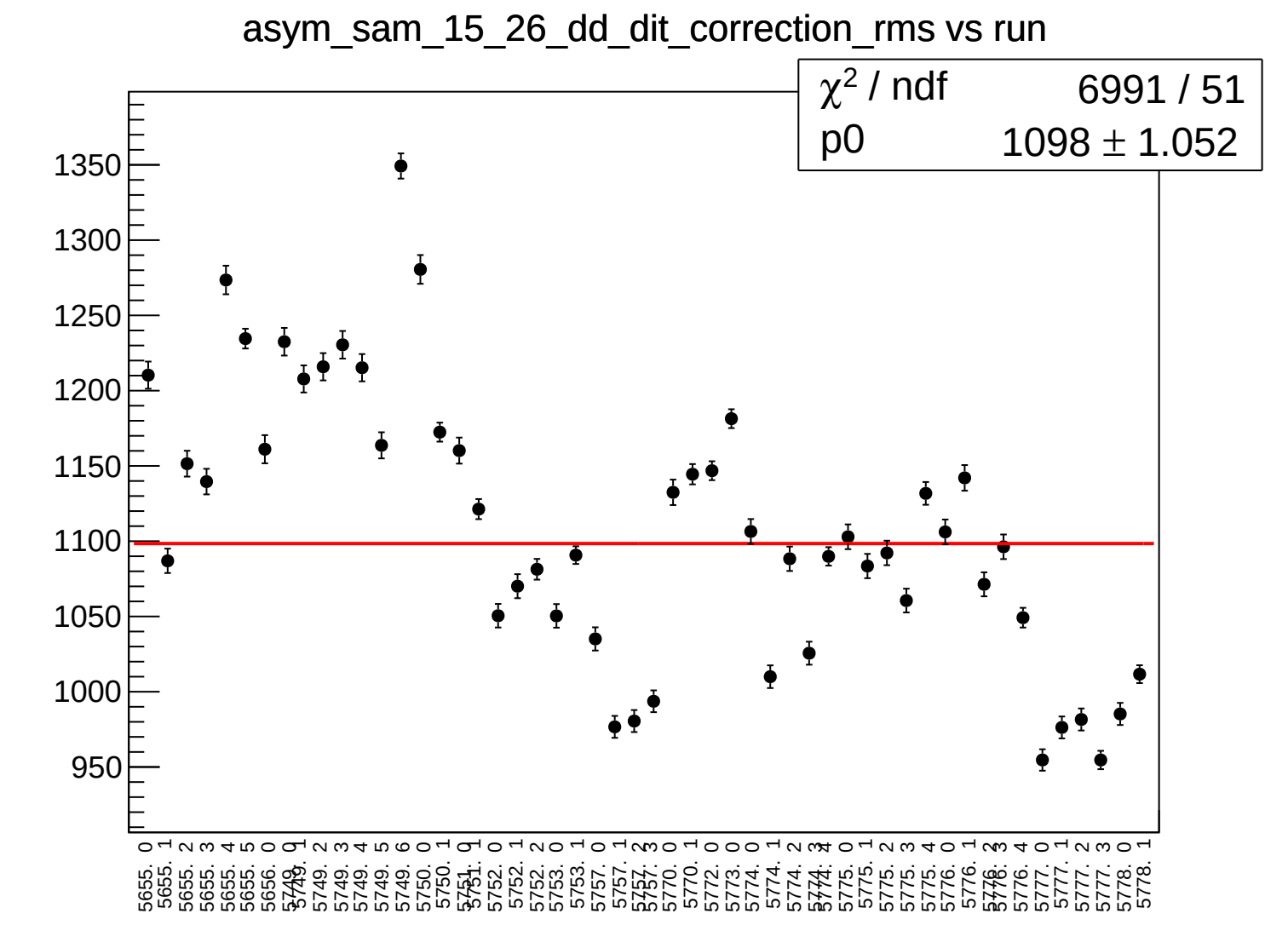
5778. 0
5778. 1


asym_sam_15_26_dd_dit_correction_mean vs run
χ² / ndf 45.38 / 51
p0 −564 ± 1488
pull
Entries 52
Mean −186.4
Std Dev 0


pull1D
Entries 52
Mean −0.007206
Std Dev 0.9341


asym_sam_15_26_dd_dit_correction_rms vs run
χ² / ndf 6991 / 51
p0 1098 ± 1.052
1350
1300
1250
1200
1150
1100
1050
1000
950
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
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5749. 5
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5778. 0
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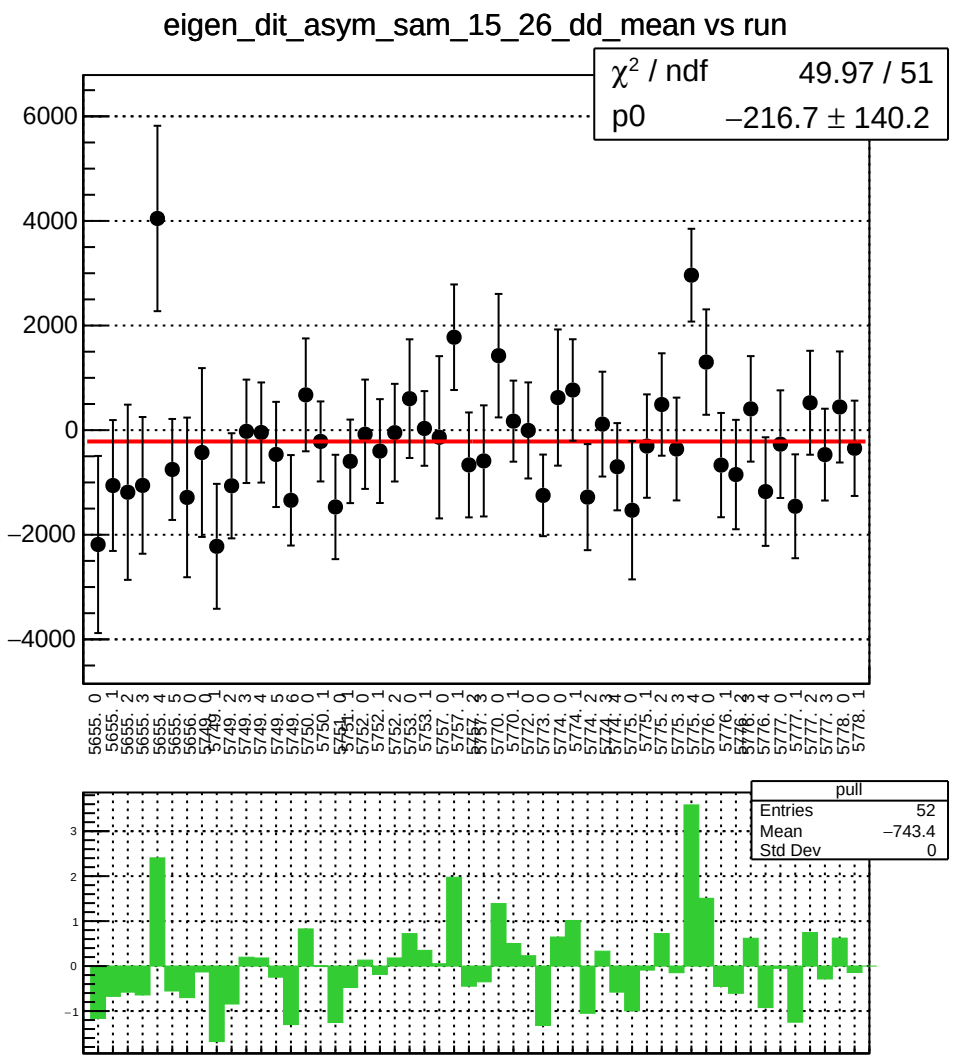
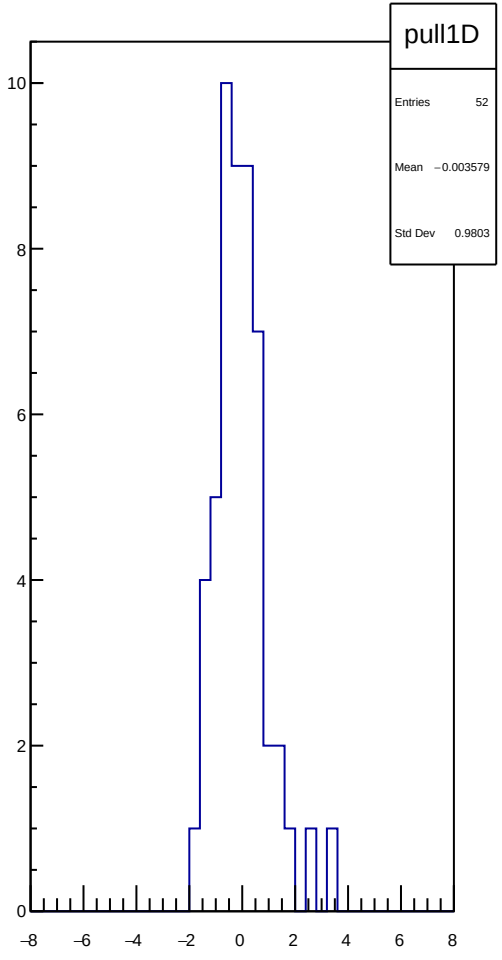
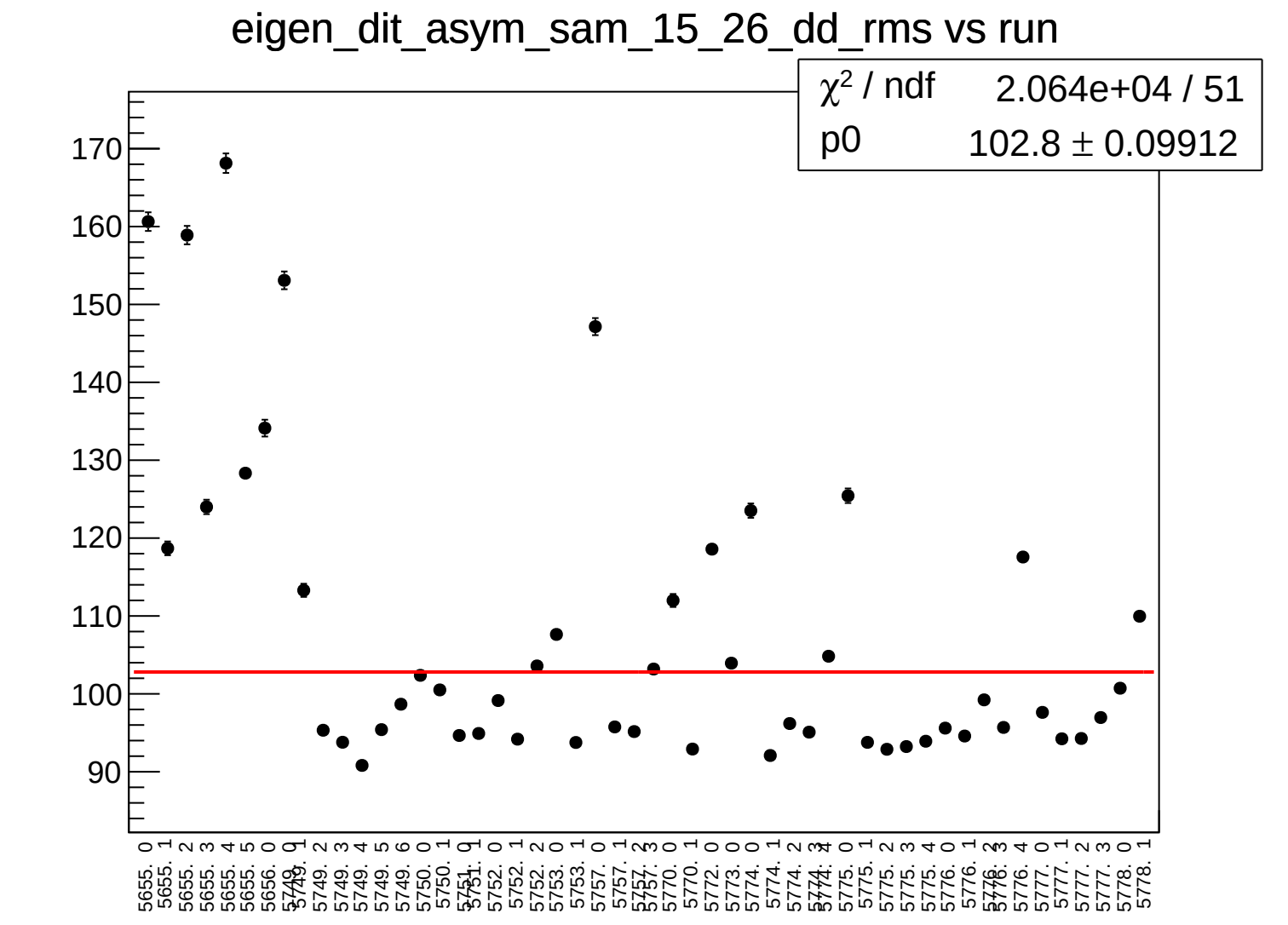

eigen_dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 49.97 / 51
p0 −216.7 ± 140.2
6000
4000
2000
0
−2000
−4000
pull
Entries 52
Mean −743.4
Std Dev 0
3
2
1
0
−1


pull1D
Entries 52
Mean −0.003579
Std Dev 0.9803
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 2.064e+04 / 51
p0 102.8 ± 0.09912
170
160
150
140
130
120
110
100
90
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
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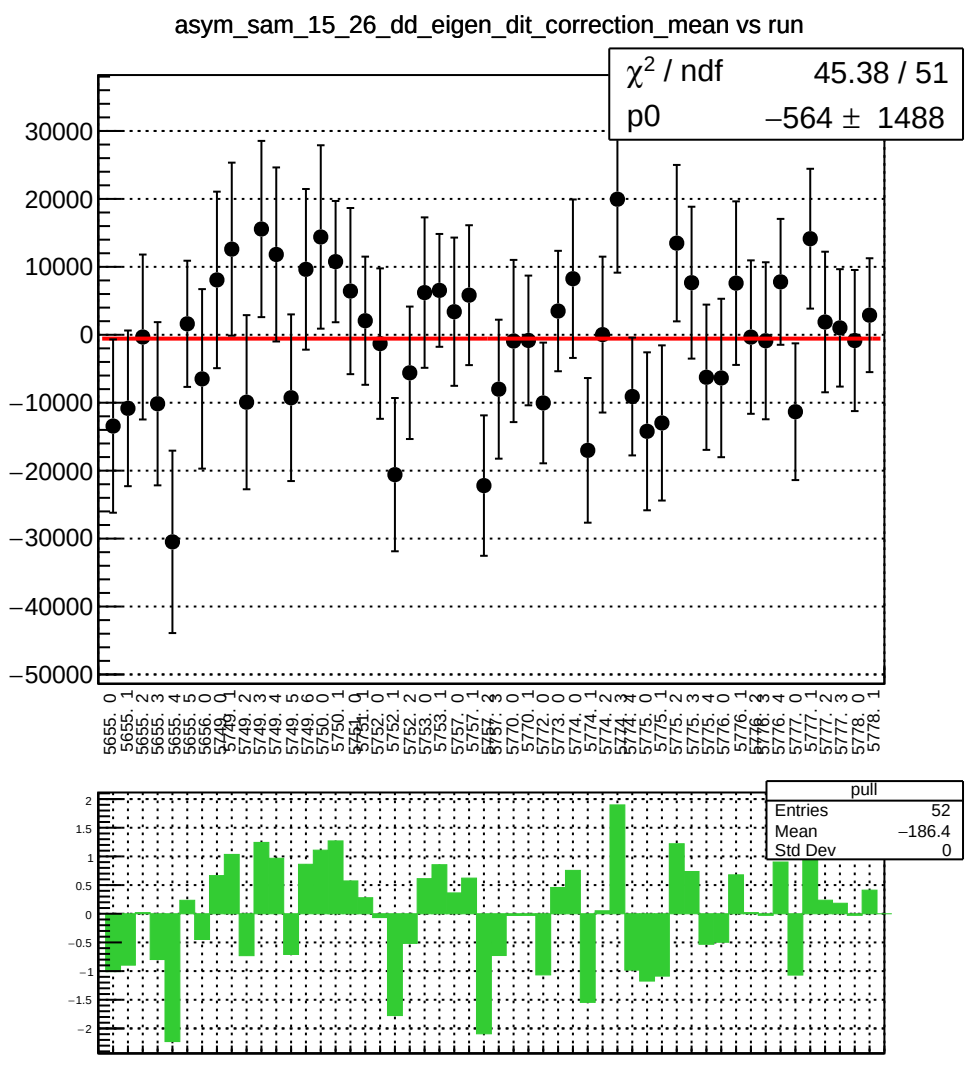
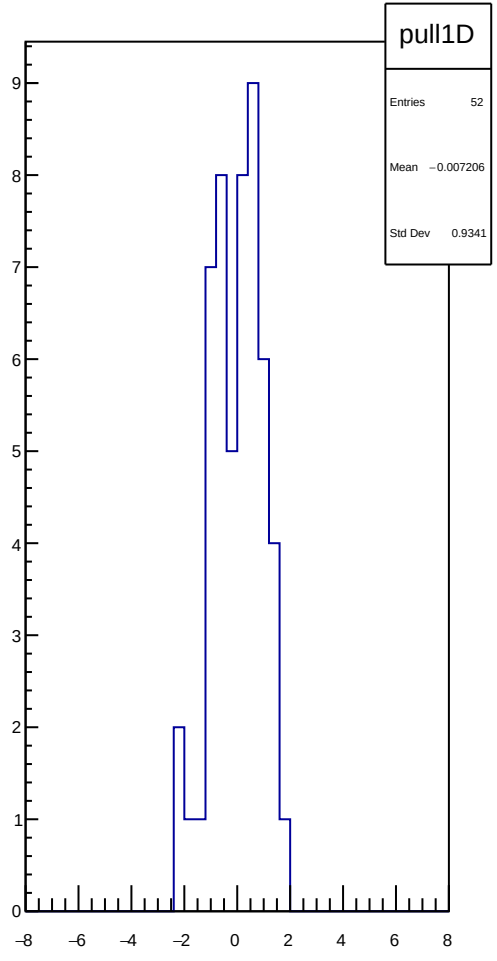
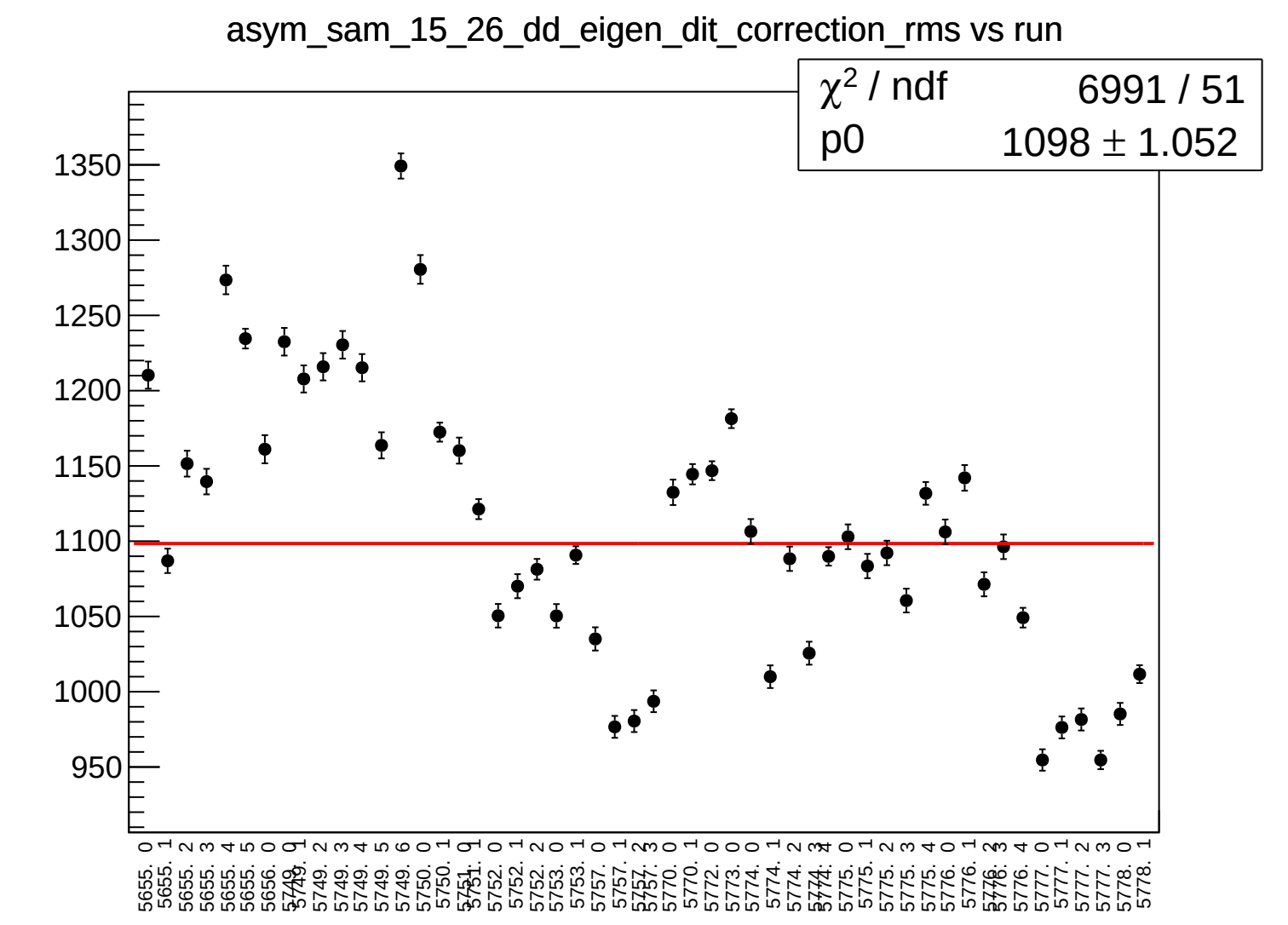

asym_sam_15_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 45.38 / 51
p0 −564 ± 1488
pull
Entries 52
Mean −186.4
Std Dev 0


pull1D
Entries 52
Mean −0.007206
Std Dev 0.9341


asym_sam_15_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 6991 / 51
p0 1098 ± 1.052
1350
1300
1250
1200
1150
1100
1050
1000
950
5655. 0
5655. 1
5655. 2
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5776. 0
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5777. 1
5777. 2
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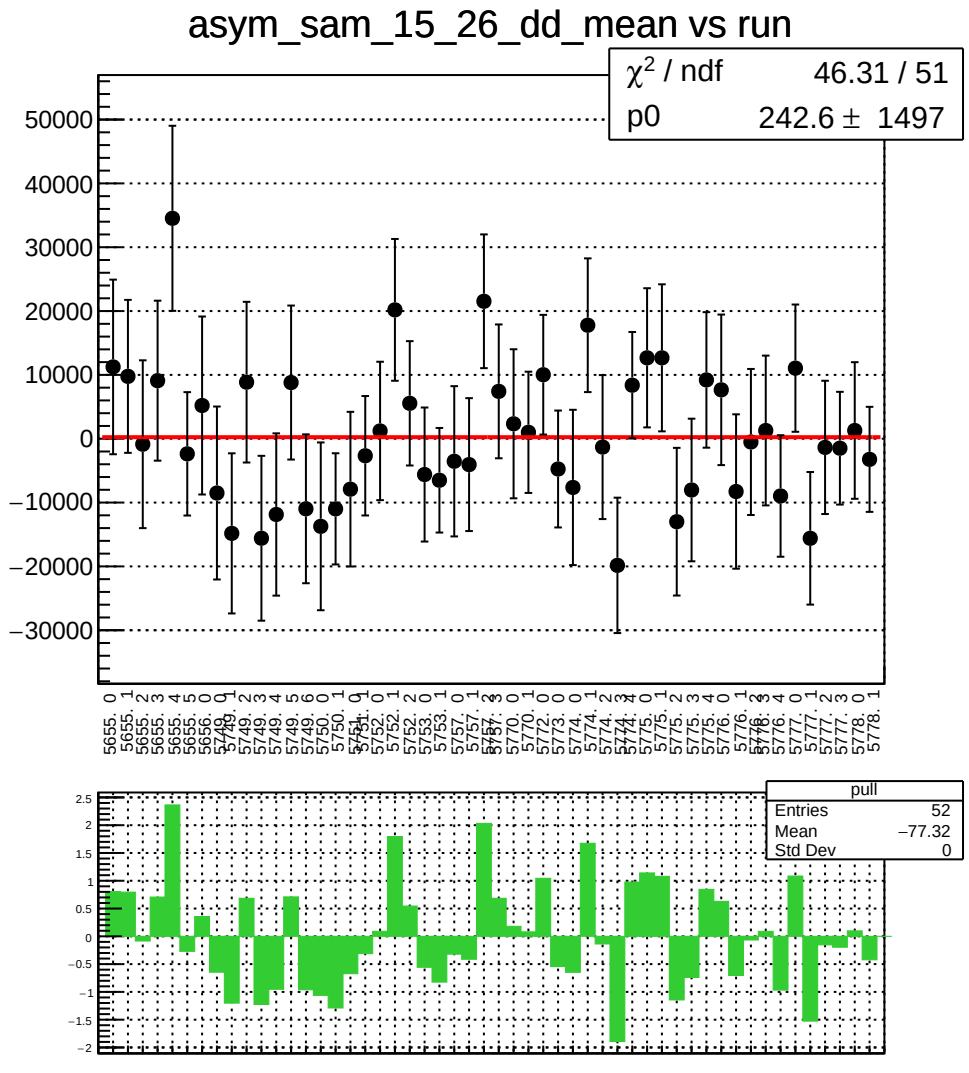
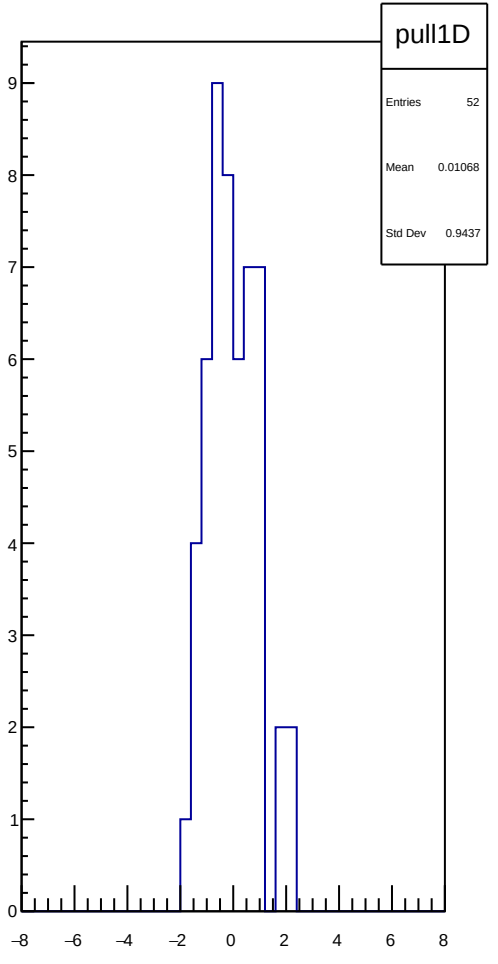
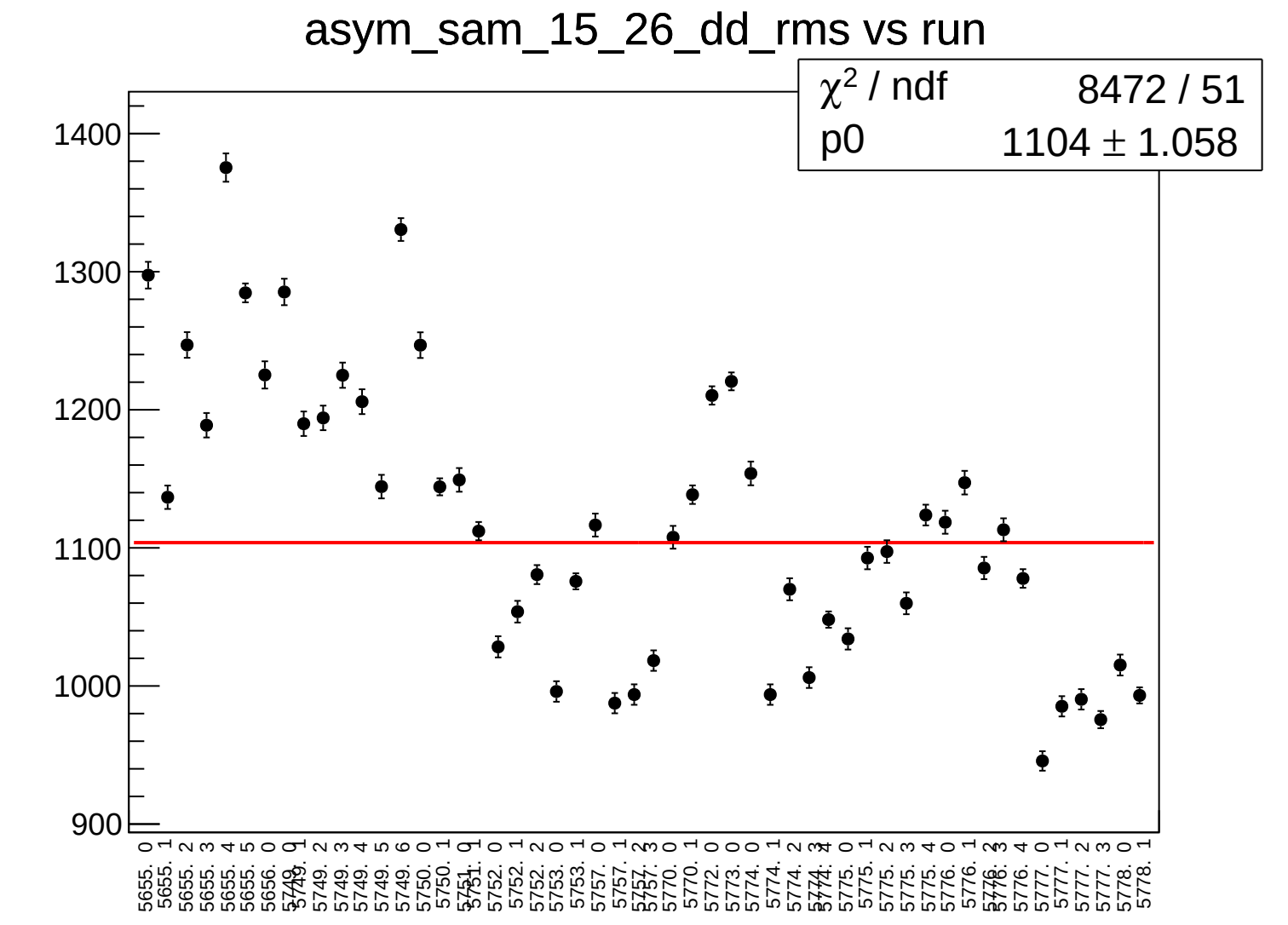
5778. 0
5778. 1


asym_sam_15_26_dd_mean vs run
χ² / ndf 46.31 / 51
p0 242.6 ± 1497
pull
Entries 52
Mean −77.32
Std Dev 0


pull1D
Entries 52
Mean 0.01068
Std Dev 0.9437


asym_sam_15_26_dd_rms vs run
χ² / ndf 8472 / 51
p0 1104 ± 1.058
1400
1300
1200
1100
1000
900
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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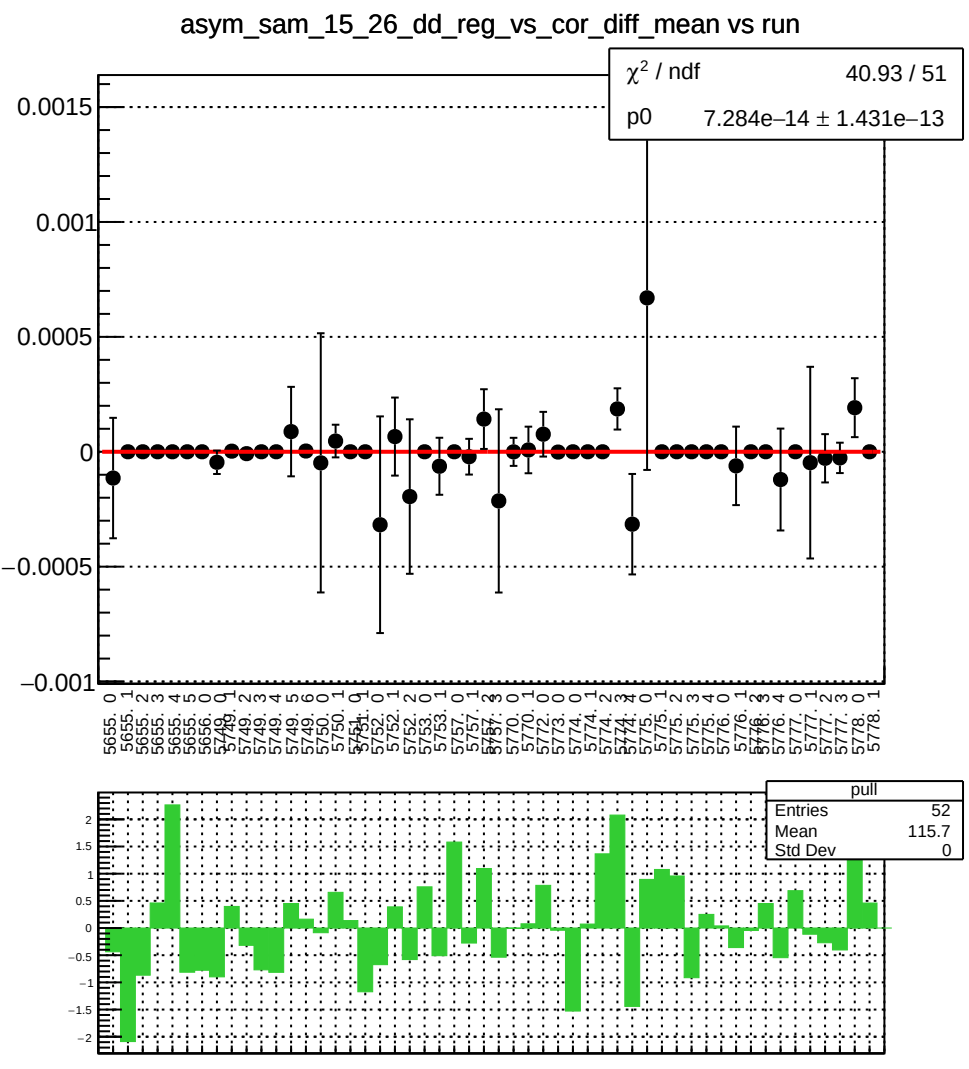
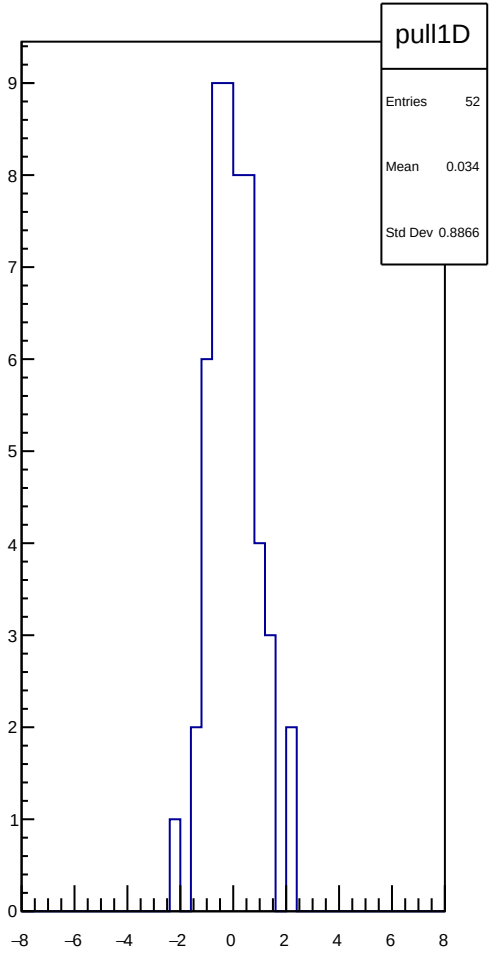
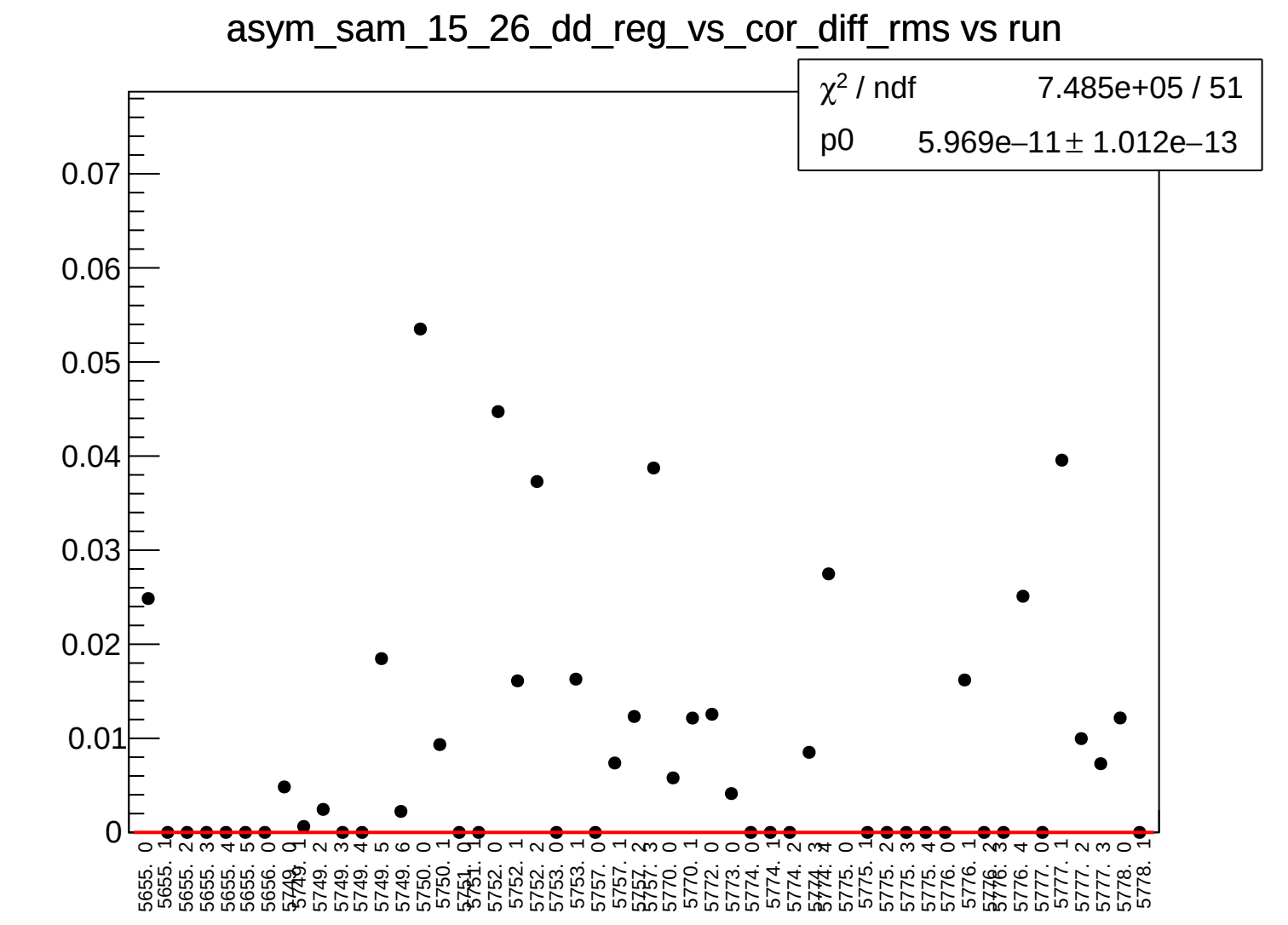
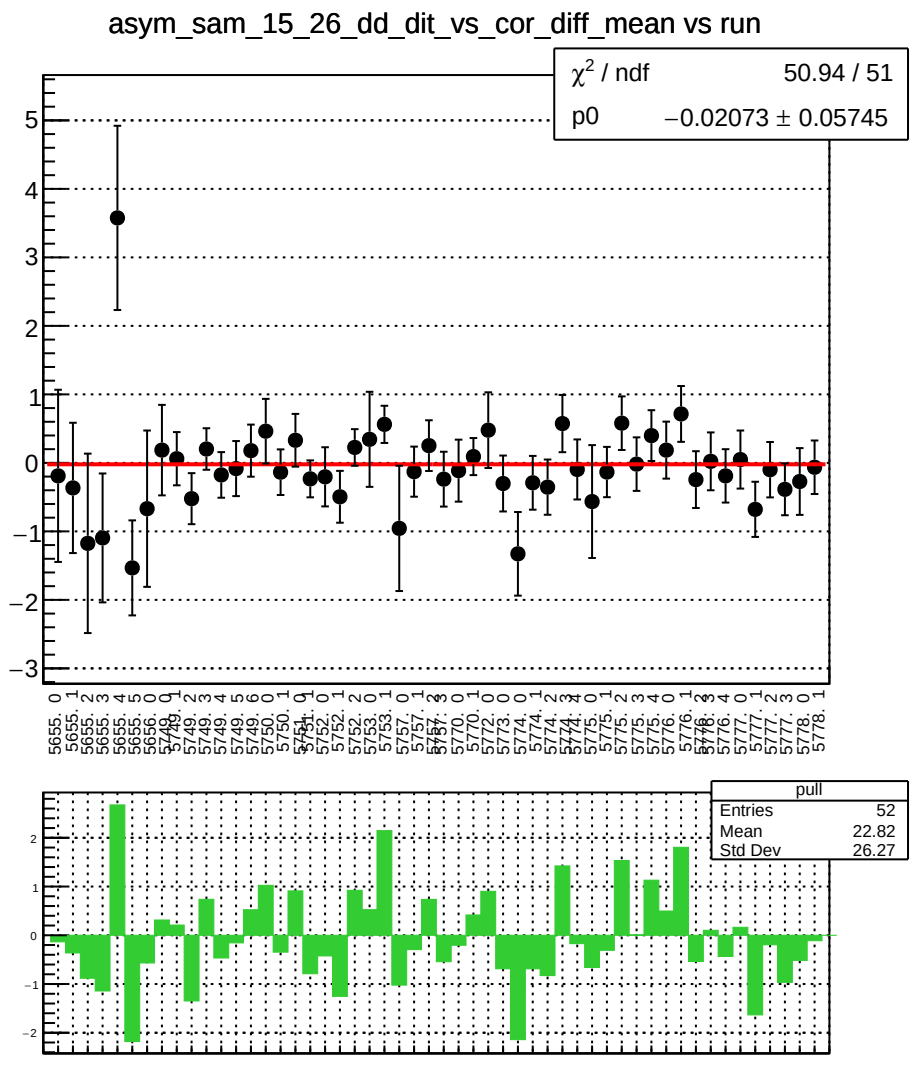
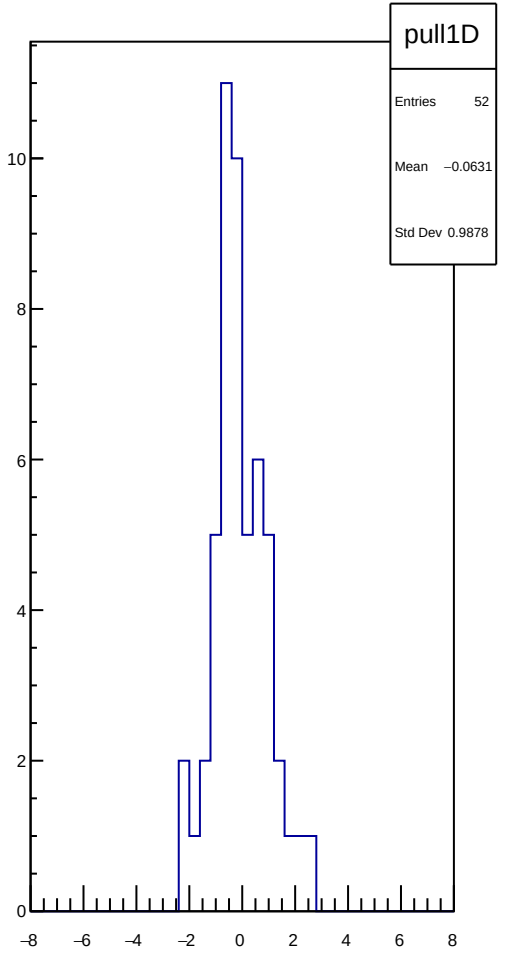
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

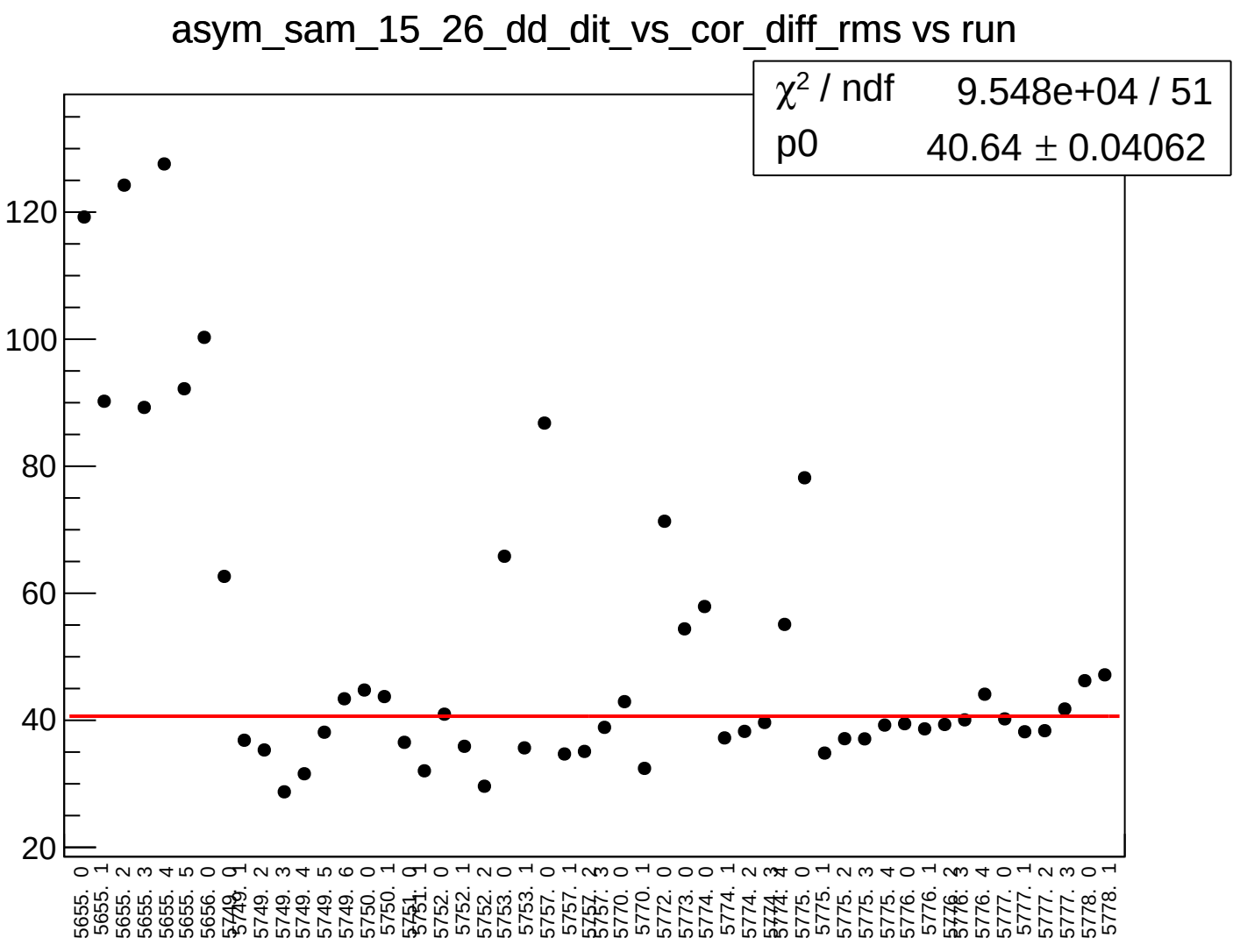

asym_sam_15_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 40.93 / 51
p0 7.284e−14 ± 1.431e−13
0.0015
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 52
Mean 115.7
Std Dev 0

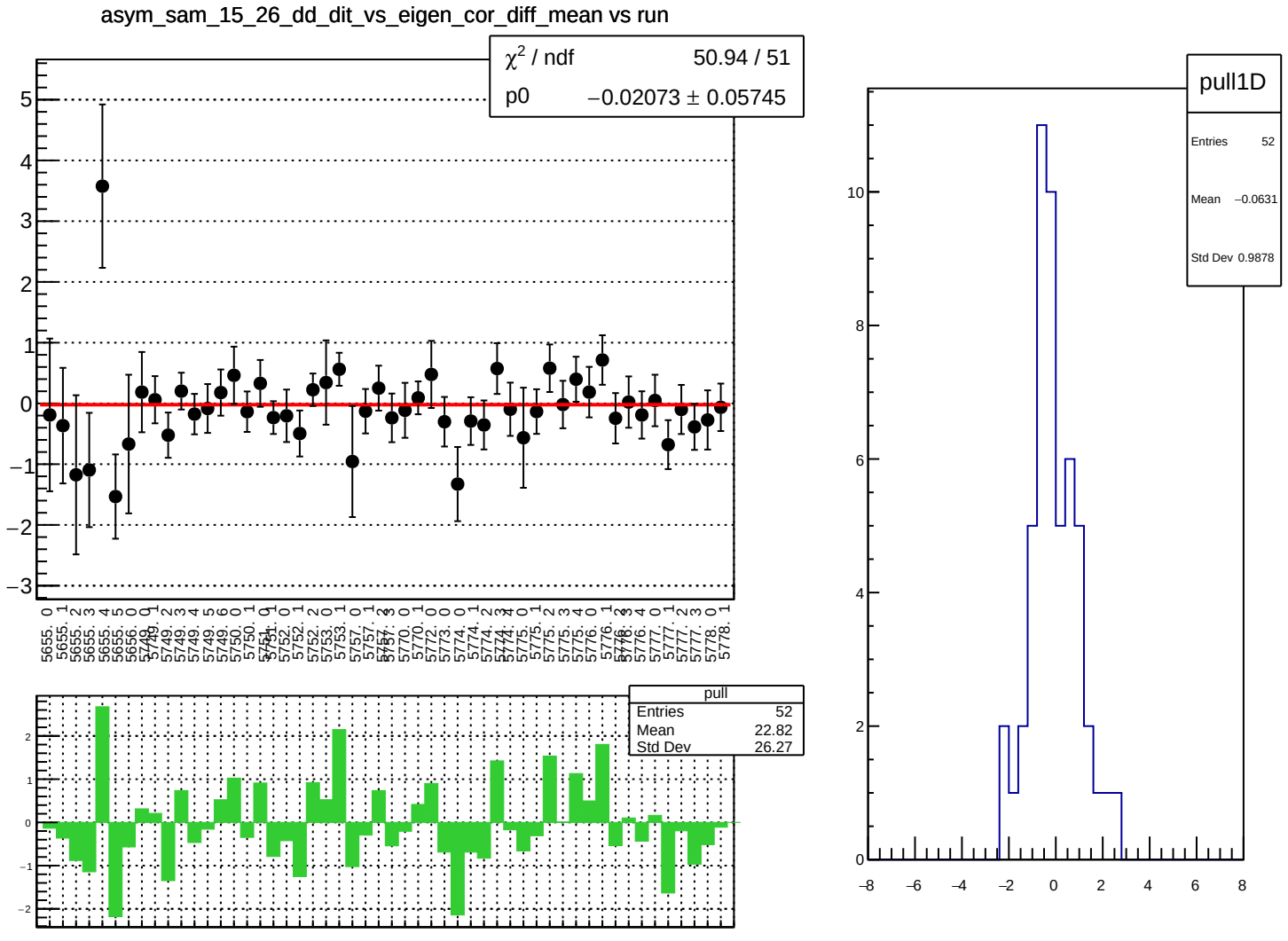

pull1D
Entries 52
Mean 0.034
Std Dev 0.8866

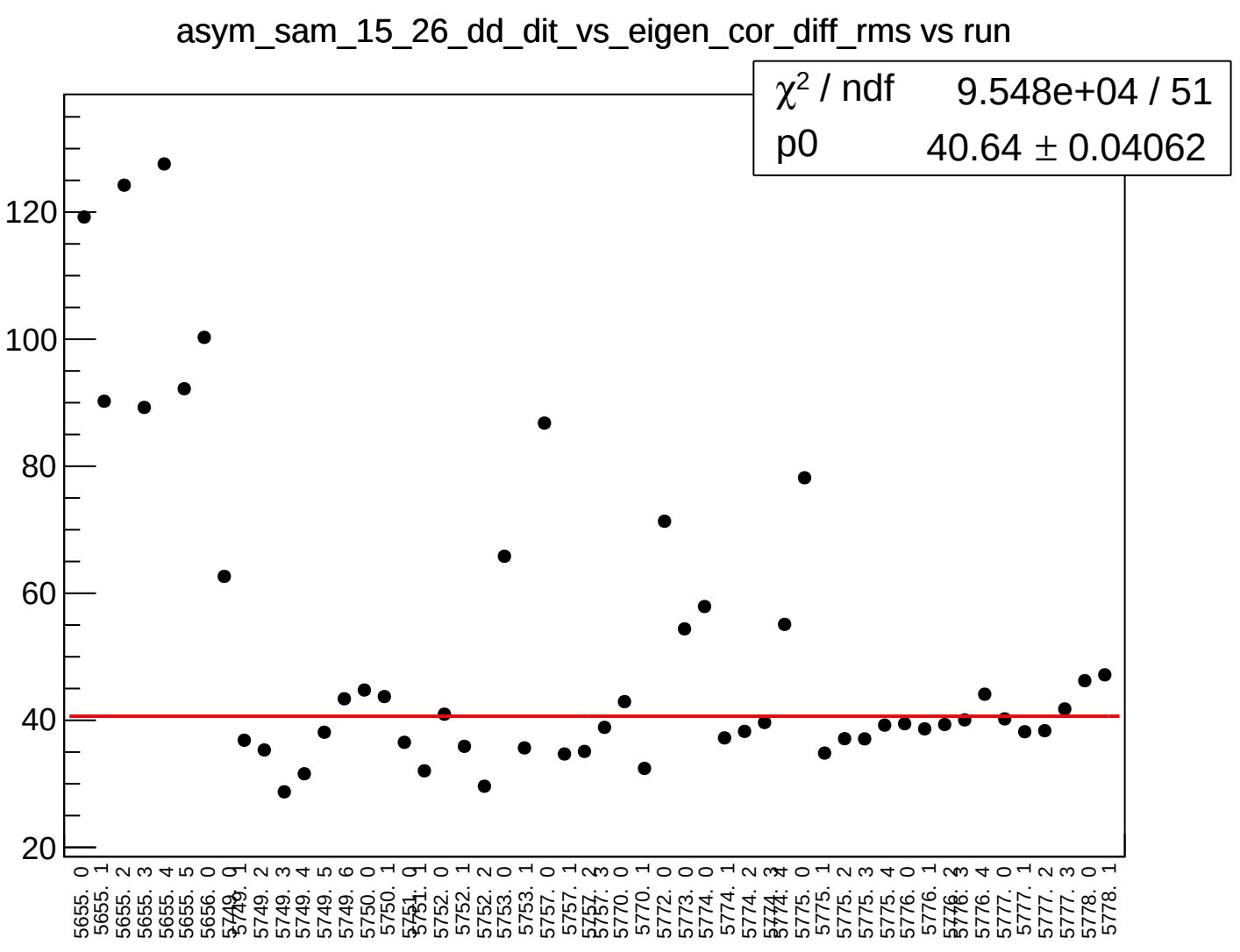

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.485e+05 / 51
p0 5.969e−11 ± 1.012e−13
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

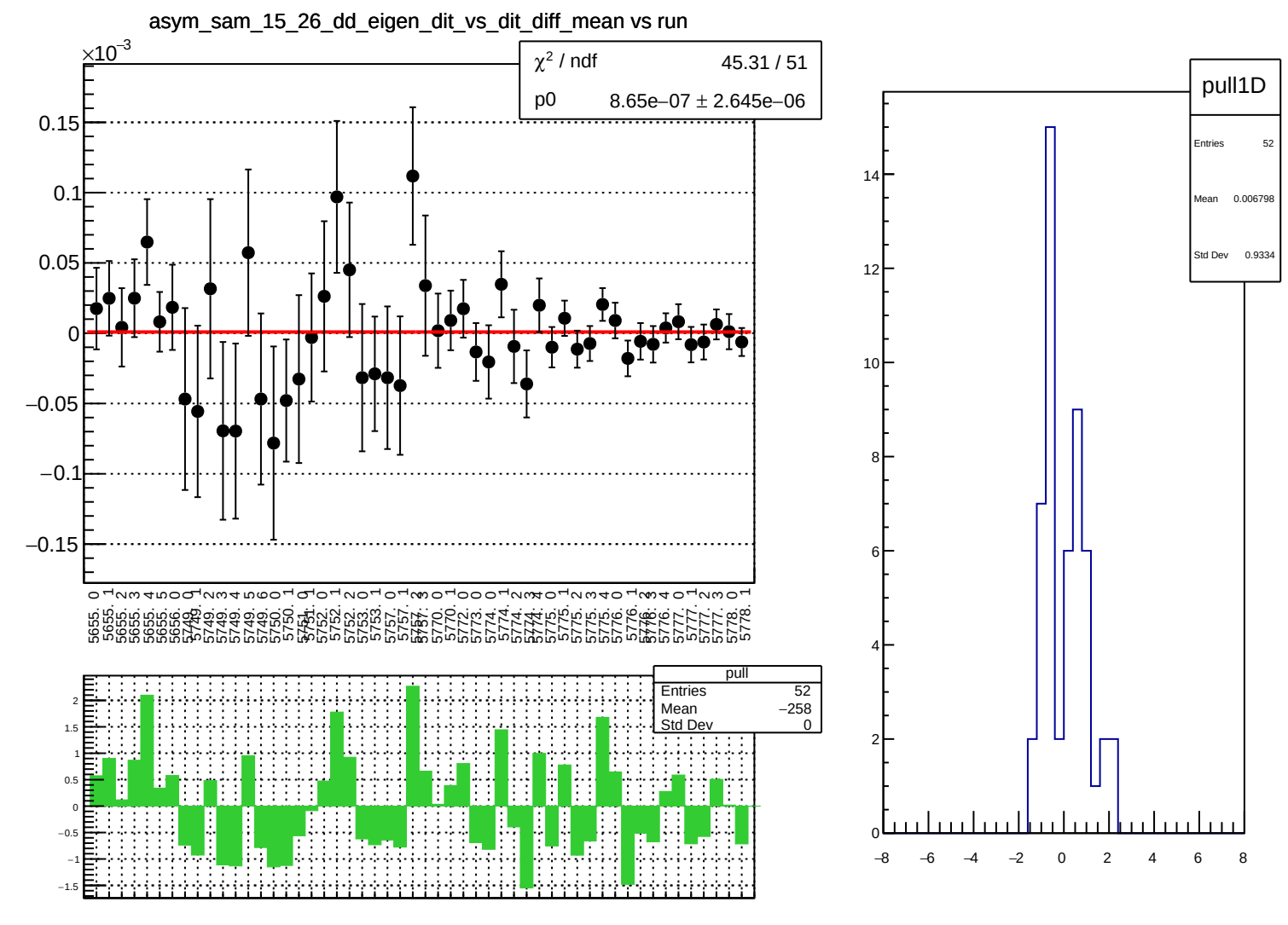

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 50.94 / 51
p0 −0.02073 ± 0.05745
pull
Entries 52
Mean 22.82
Std Dev 26.27

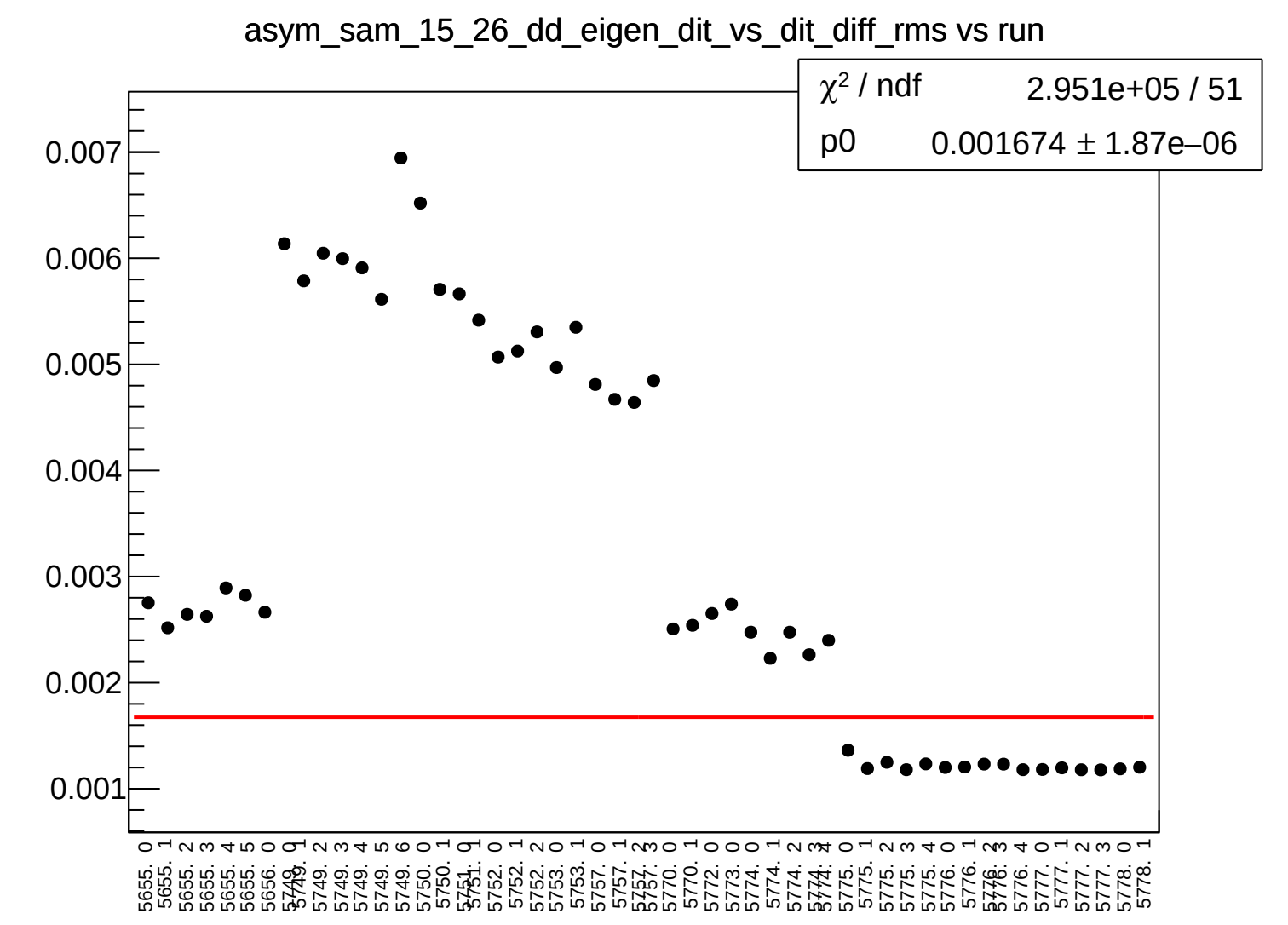

pull1D
Entries 52
Mean −0.0631
Std Dev 0.9878

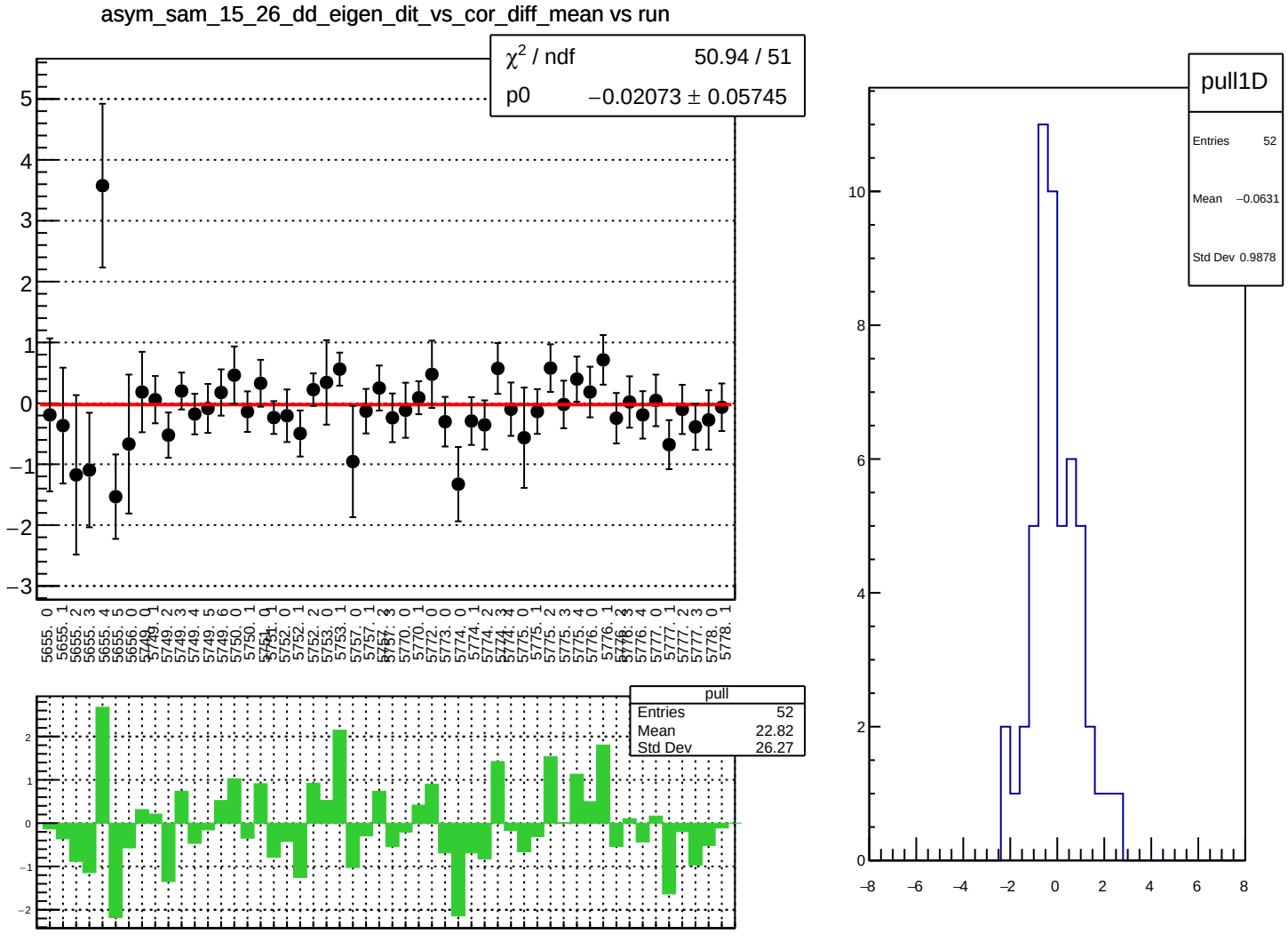

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 9.548e+04 / 51
p0 40.64 ± 0.04062
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

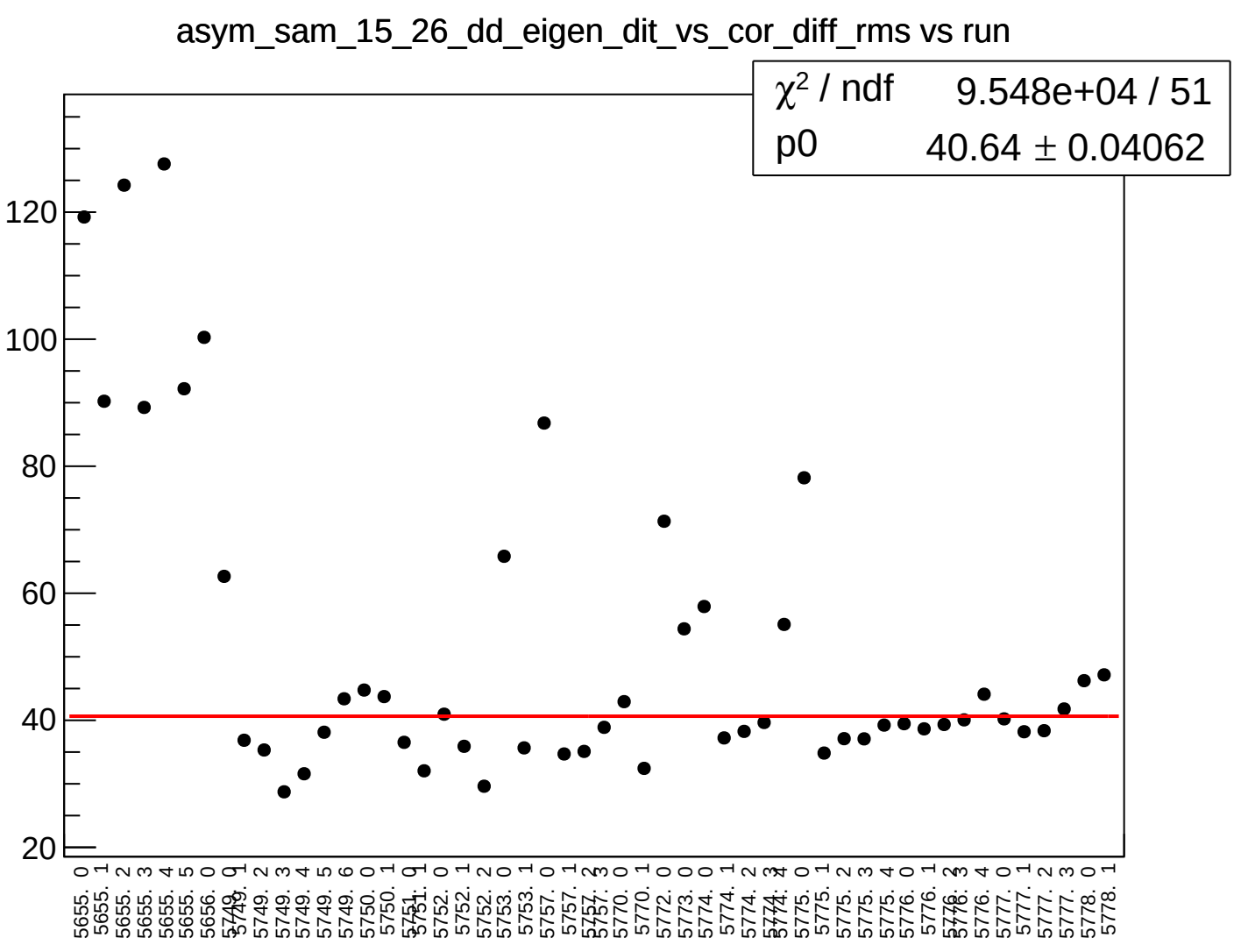

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.94 / 51
p0 −0.02073 ± 0.05745
pull
Entries 52
Mean 22.82
Std Dev 26.27
pull1D
Entries 52
Mean −0.0631
Std Dev 0.9878

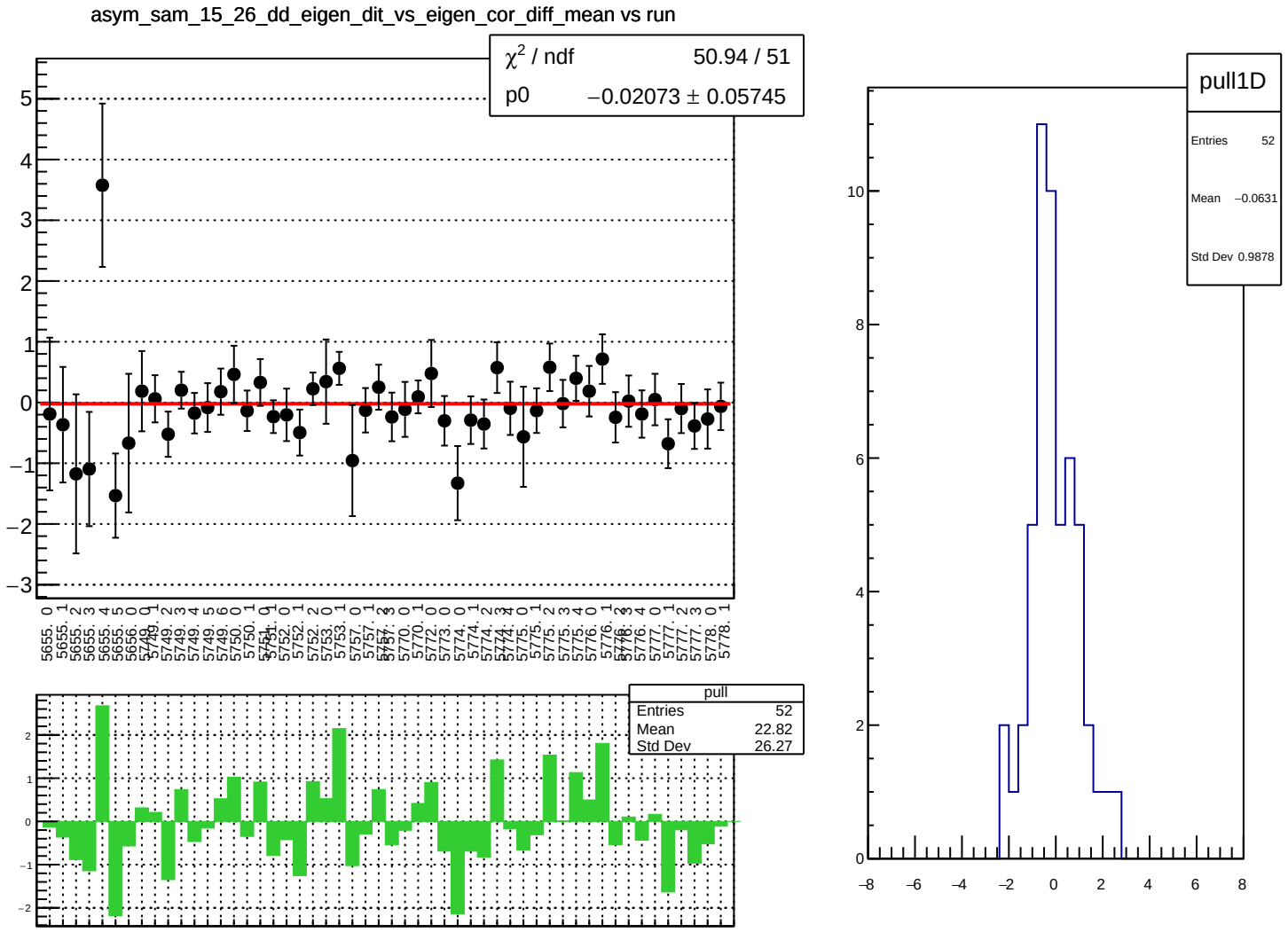

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.548e+04 / 51
p0 40.64 ± 0.04062
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

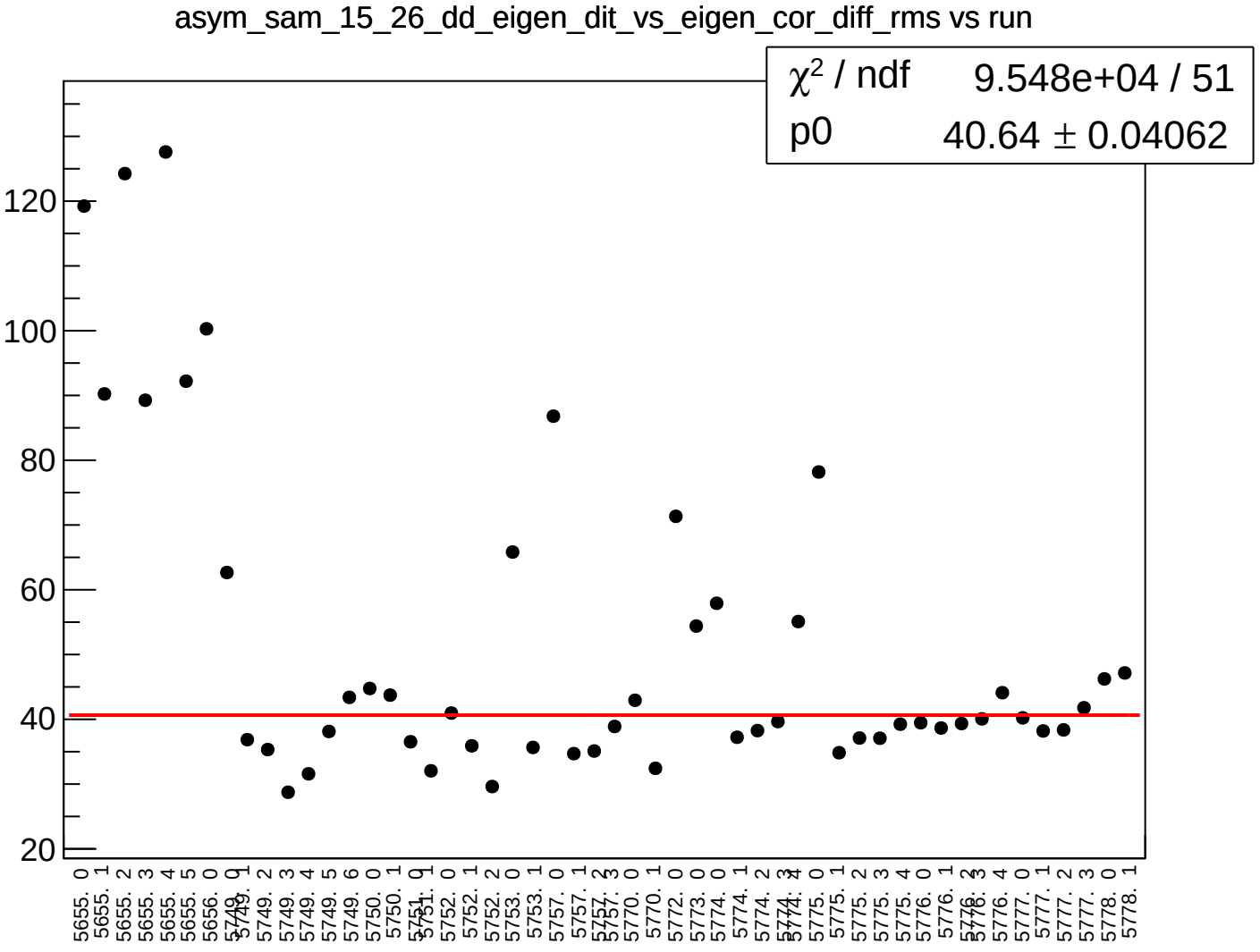

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 45.31 / 51
p0 8.65e−07 ± 2.645e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 52
Mean −258
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 52
Mean 0.006798
Std Dev 0.9334
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

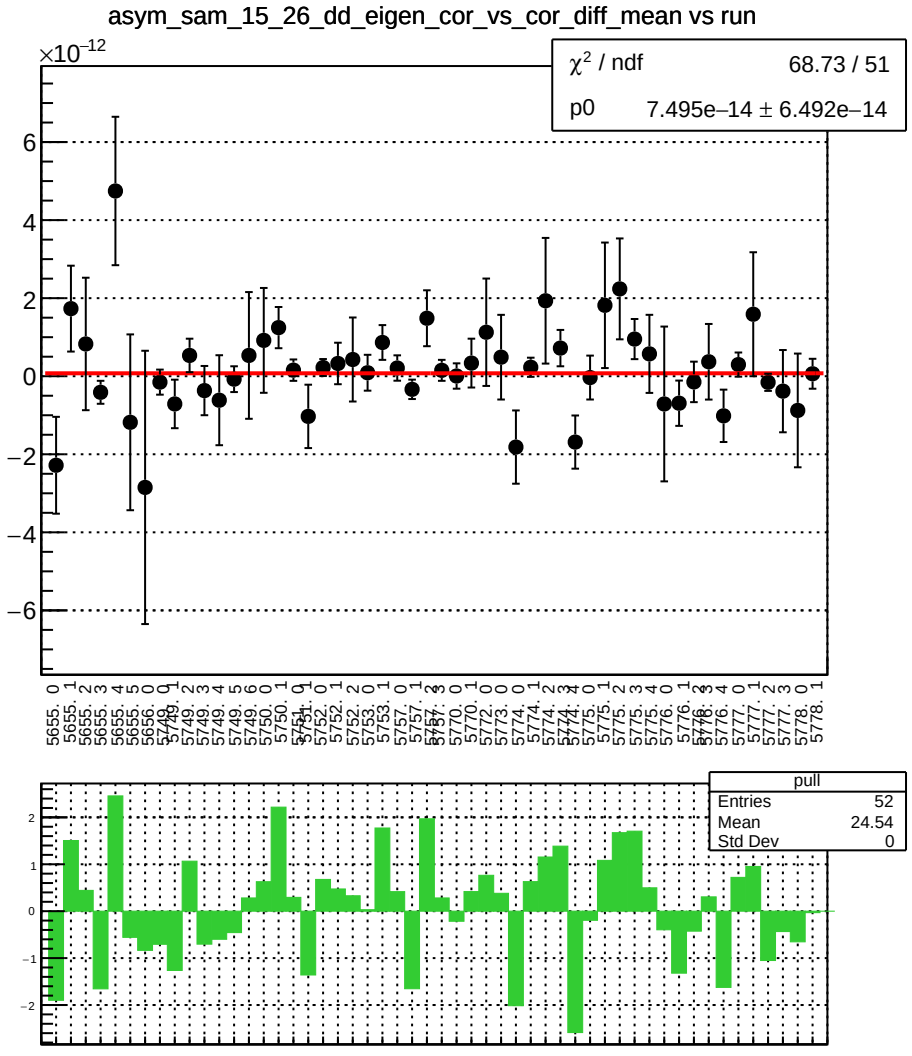

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.951e+05 / 51
p0 0.001674 ± 1.87e−06
0.007
0.006
0.005
0.004
0.003
0.002
0.001
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

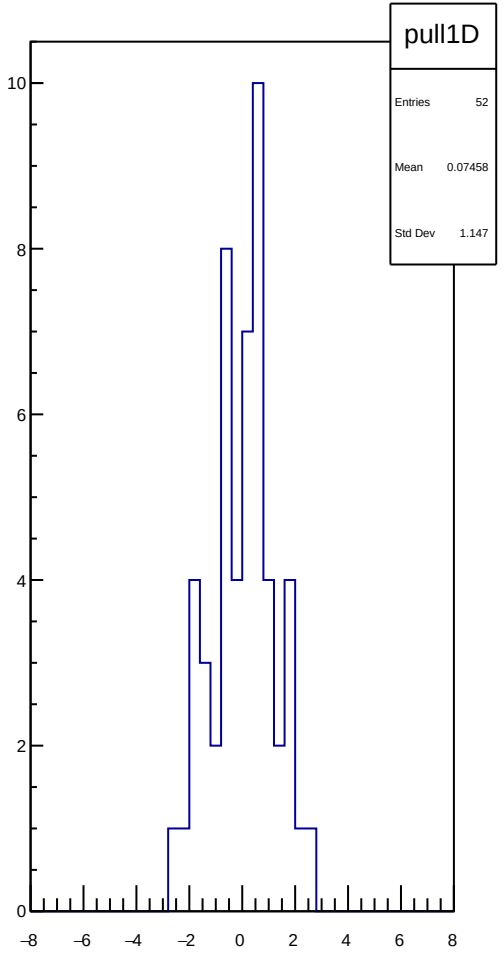

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.94 / 51
p0 −0.02073 ± 0.05745
pull
Entries 52
Mean 22.82
Std Dev 26.27
pull1D
Entries 52
Mean −0.0631
Std Dev 0.9878

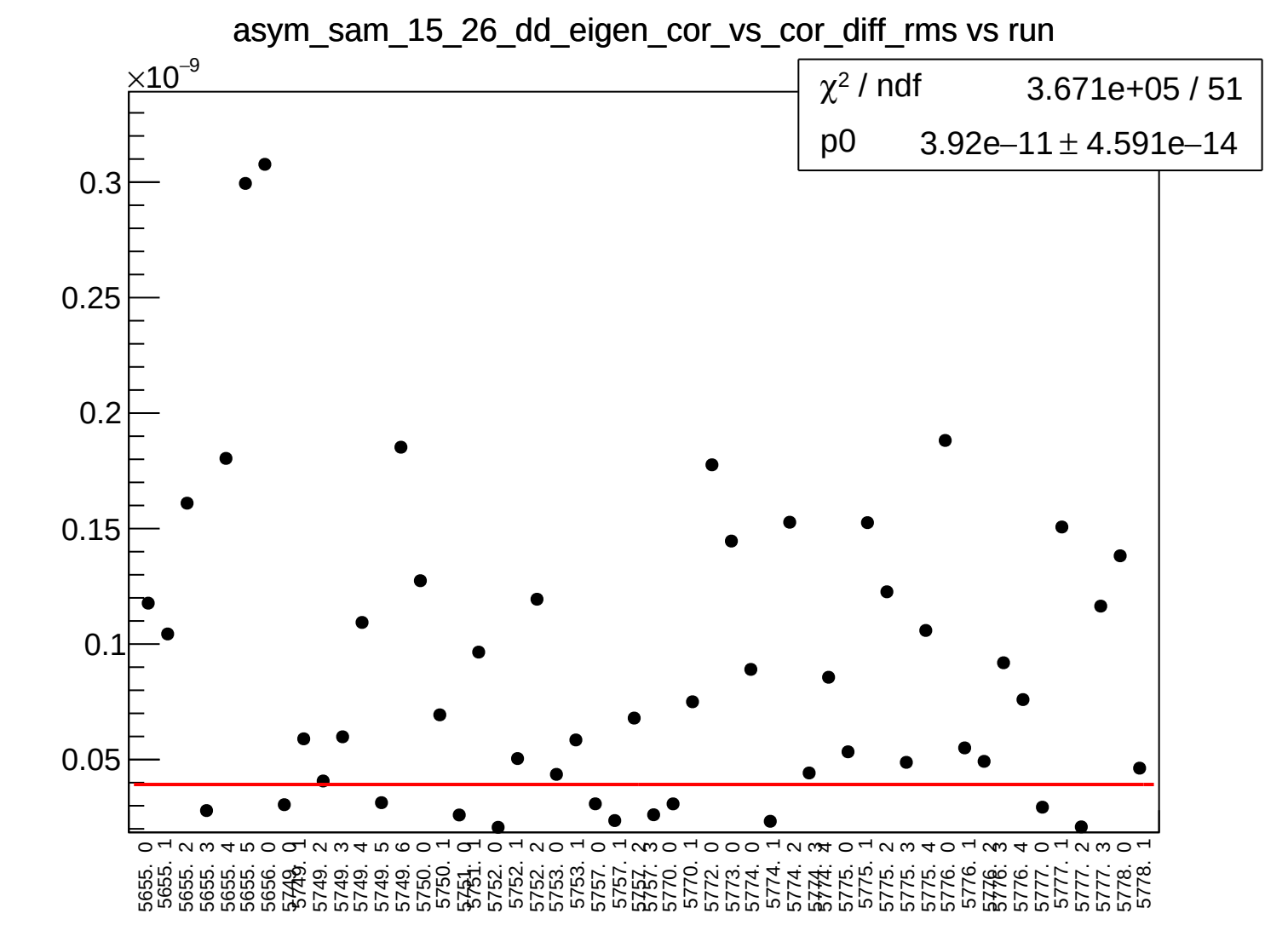

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.548e+04 / 51
p0 40.64 ± 0.04062
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

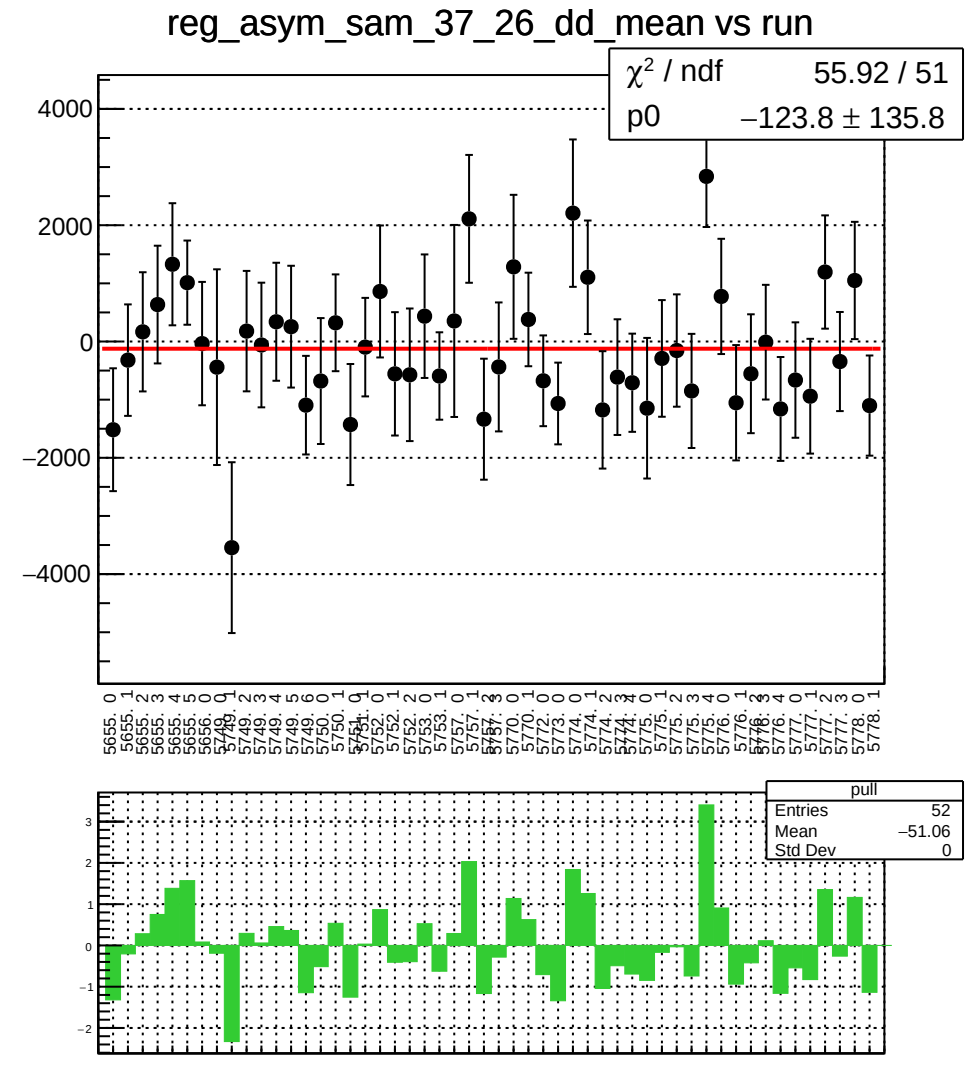

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.94 / 51
p0 −0.02073 ± 0.05745
pull
Entries 52
Mean 22.82
Std Dev 26.27
pull1D
Entries 52
Mean −0.0631
Std Dev 0.9878

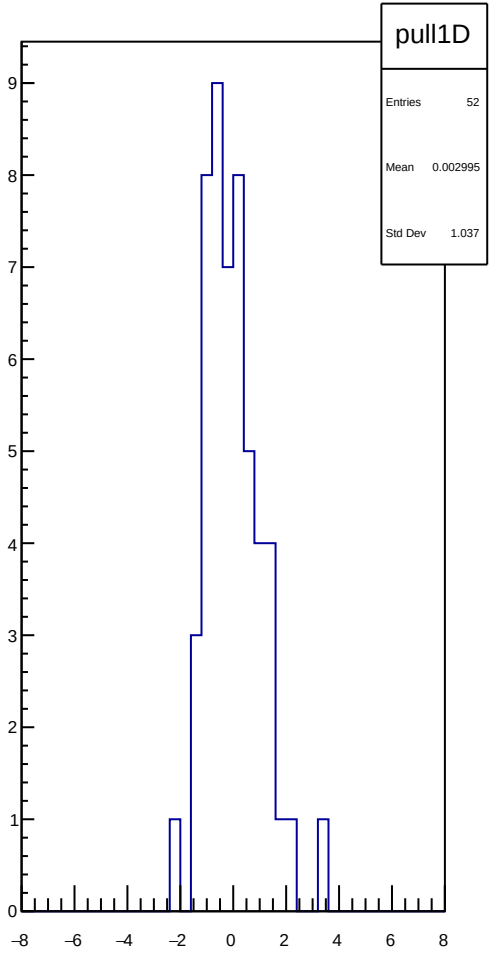

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.548e+04 / 51
p0 40.64 ± 0.04062
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

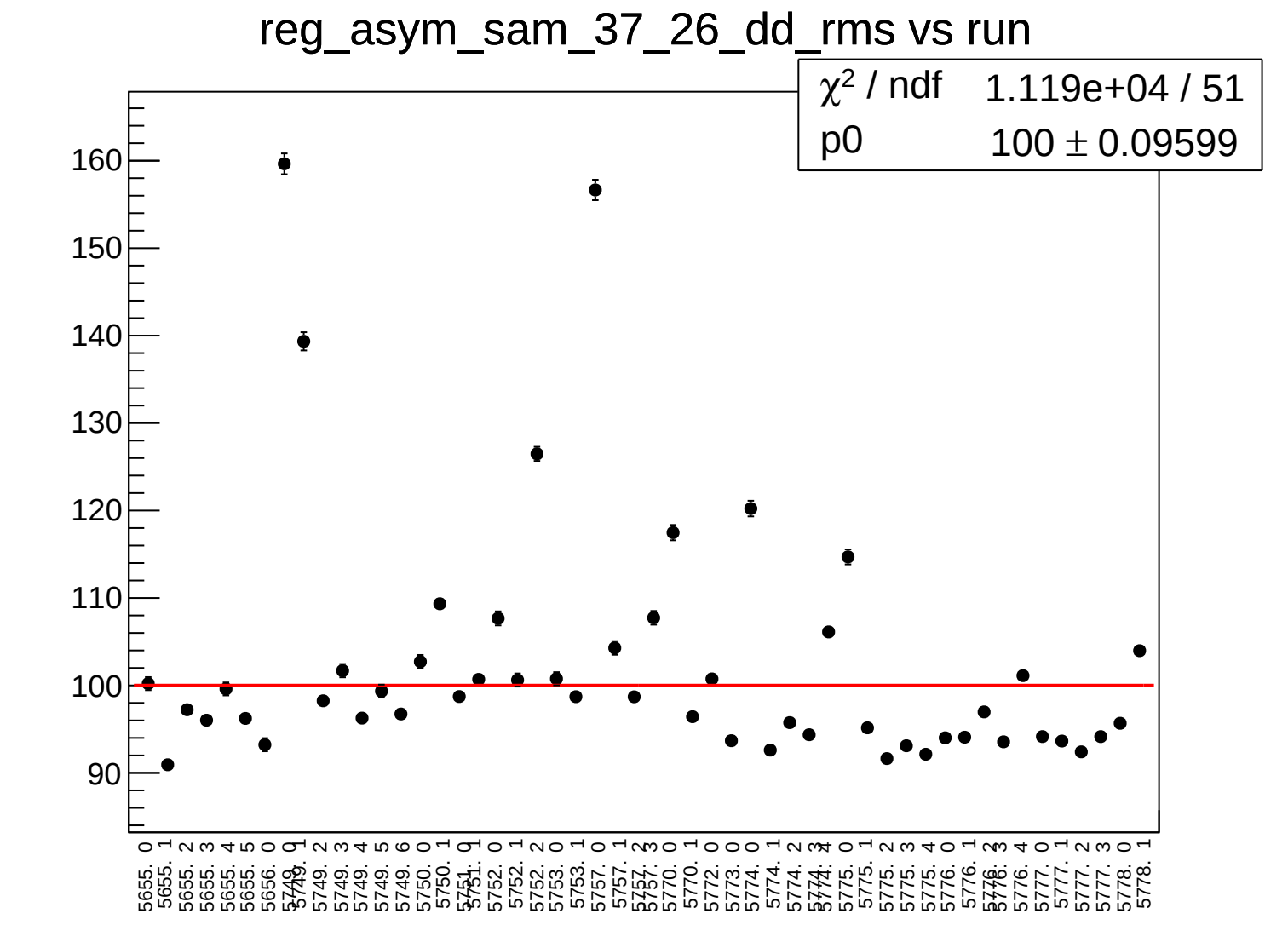

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 68.73 / 51
p0 7.495e−14 ± 6.492e−14
pull
Entries 52
Mean 24.54
Std Dev 0

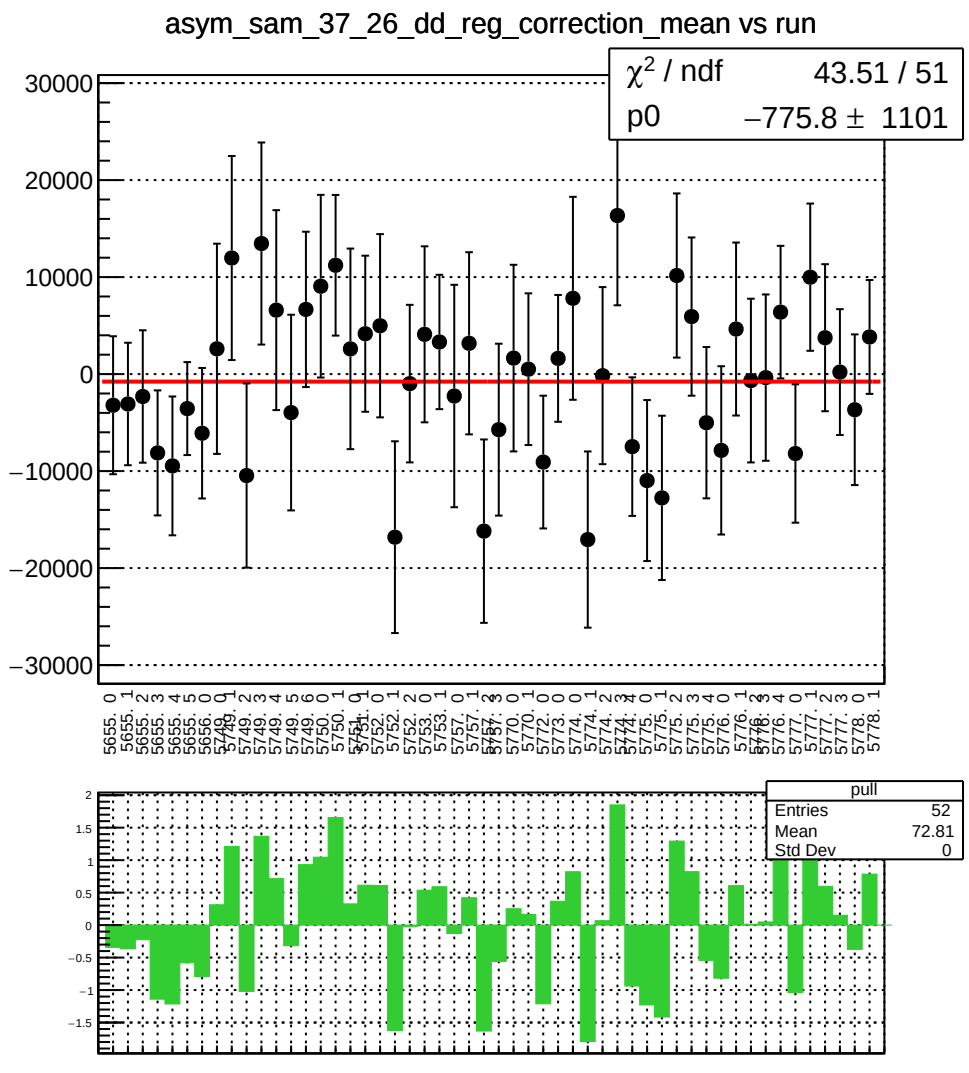

pull1D
Entries 52
Mean 0.07458
Std Dev 1.147

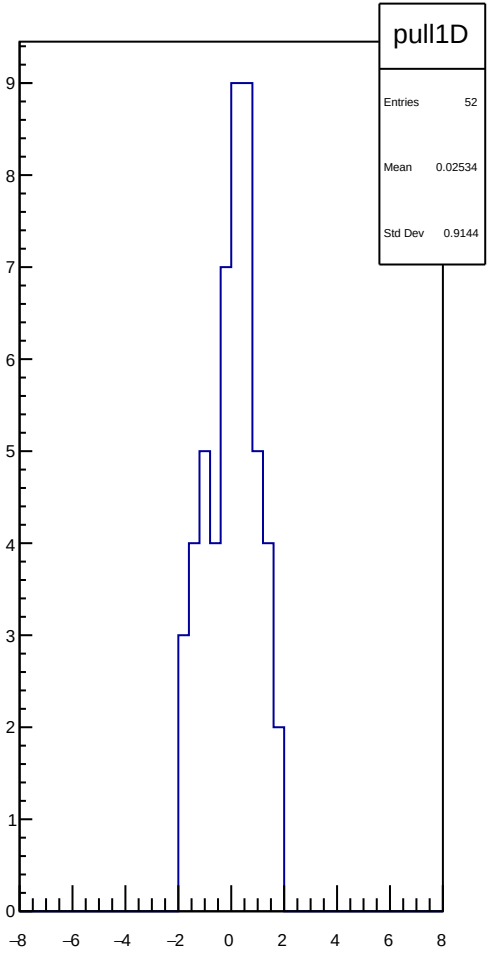

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.671e+05 / 51
p0 3.92e−11 ± 4.591e−14
0.3
0.25
0.2
0.15
0.1
0.05
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

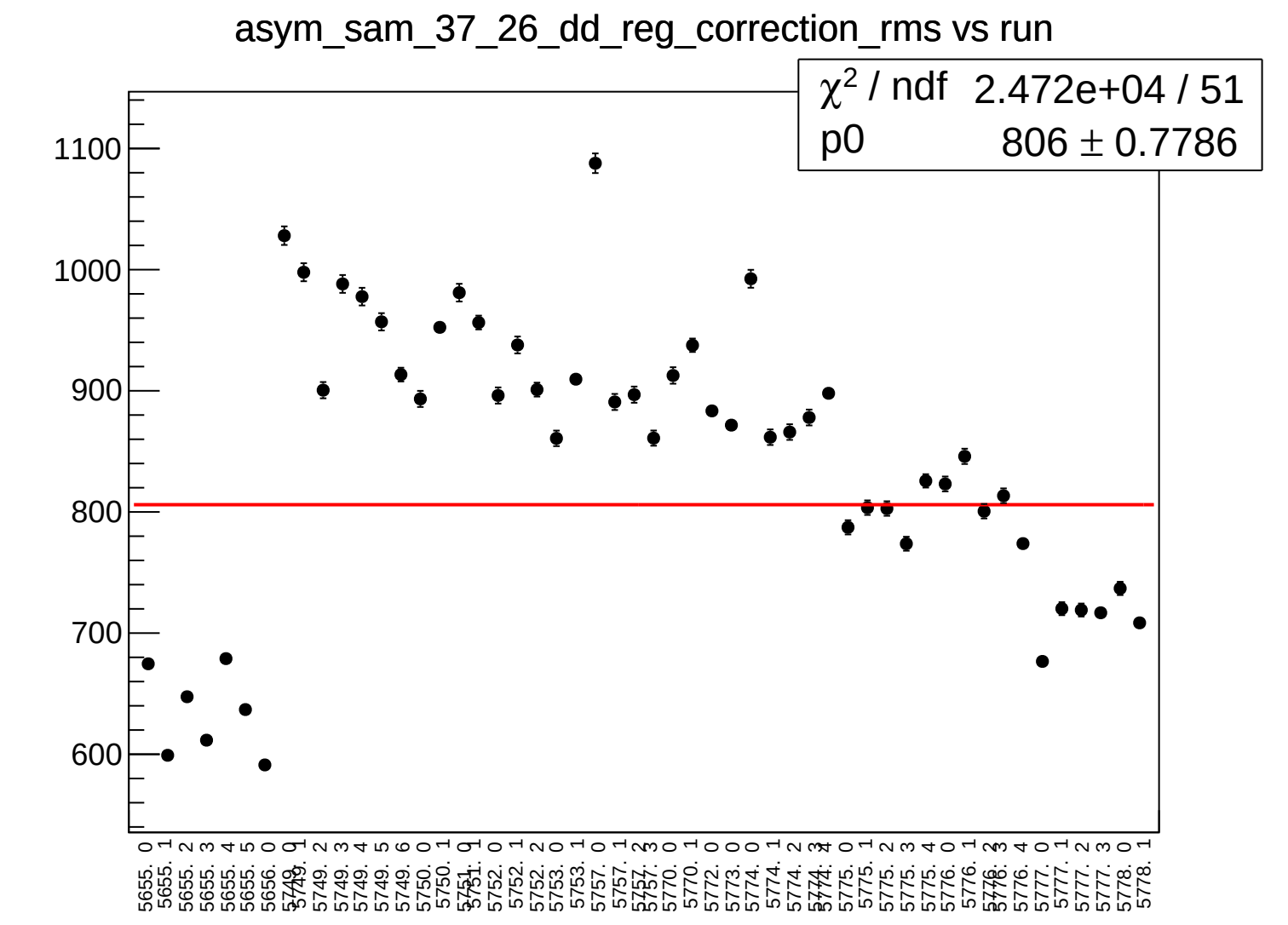

reg_asym_sam_37_26_dd_mean vs run
χ² / ndf 55.92 / 51
p0 −123.8 ± 135.8
4000
2000
0
−2000
−4000
pull
Entries 52
Mean −51.06
Std Dev 0
3
2
1
0
−1
−2

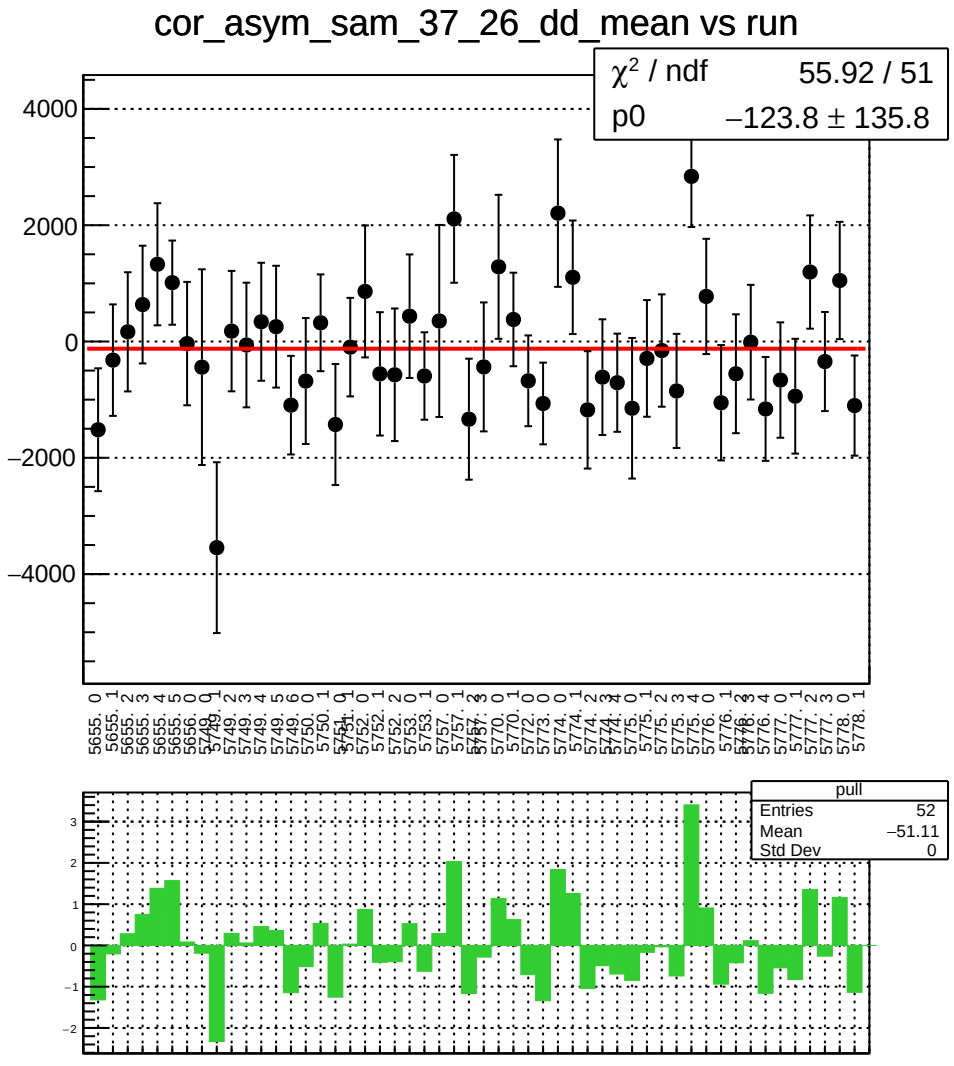

pull1D
Entries 52
Mean 0.002995
Std Dev 1.037
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

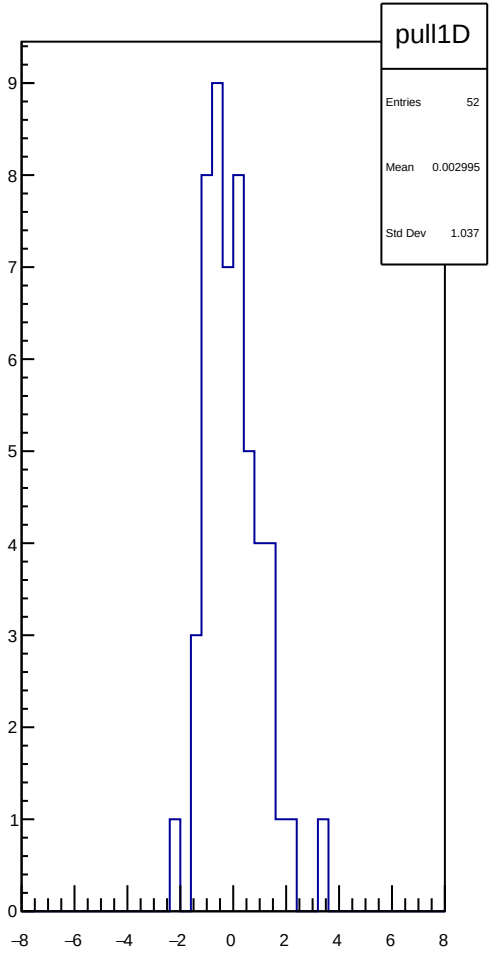

reg_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.119e+04 / 51
p0 100 ± 0.09599
160
150
140
130
120
110
100
90
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

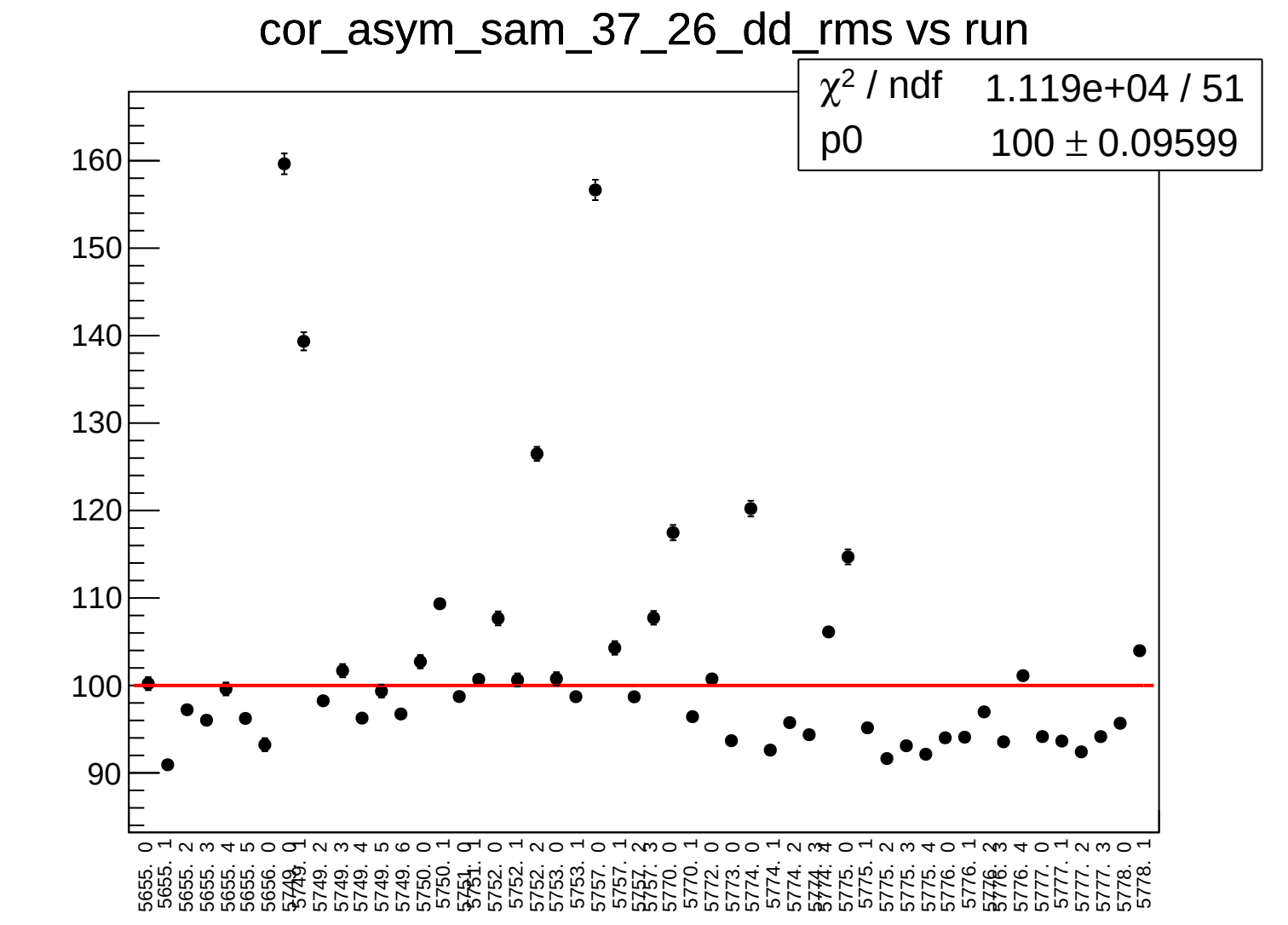

asym_sam_37_26_dd_reg_correction_mean vs run
χ² / ndf 43.51 / 51
p0 −775.8 ± 1101
pull
Entries 52
Mean 72.81
Std Dev 0

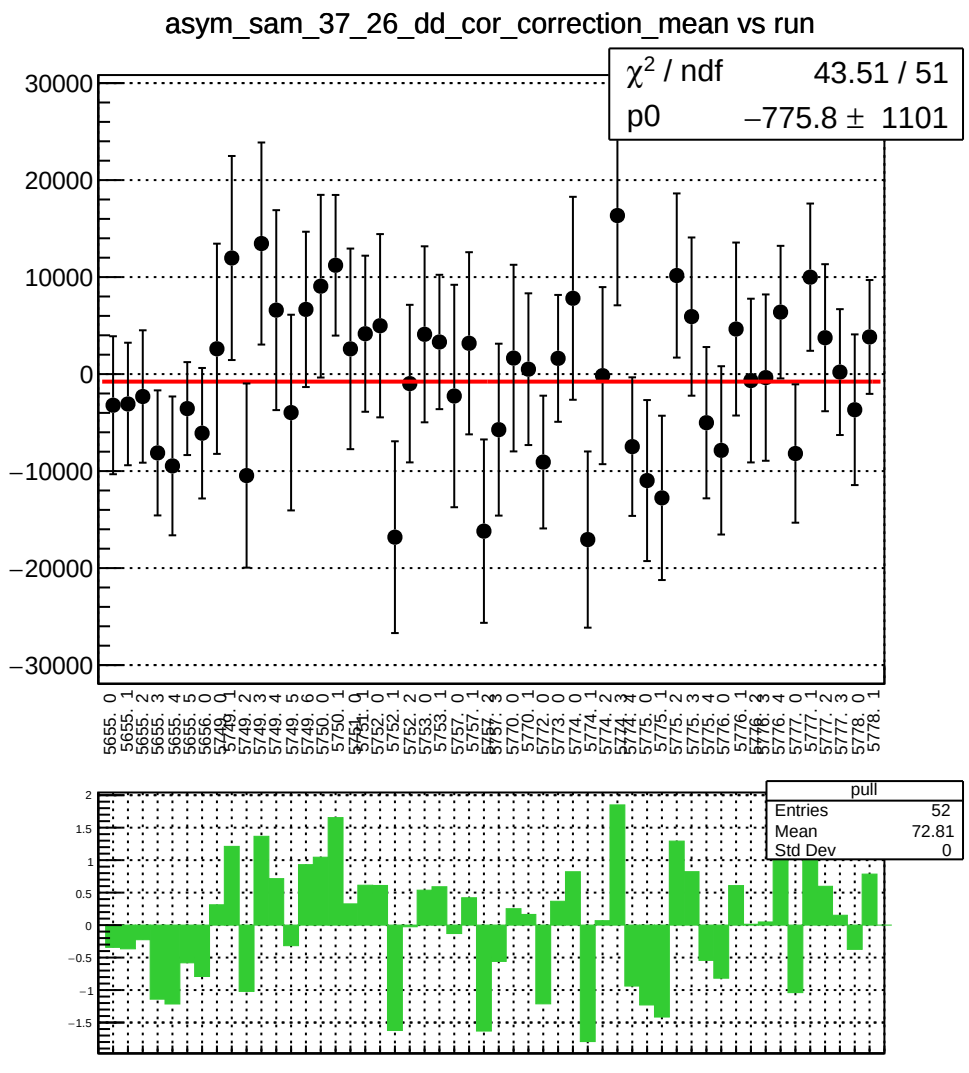

pull1D
Entries 52
Mean 0.02534
Std Dev 0.9144

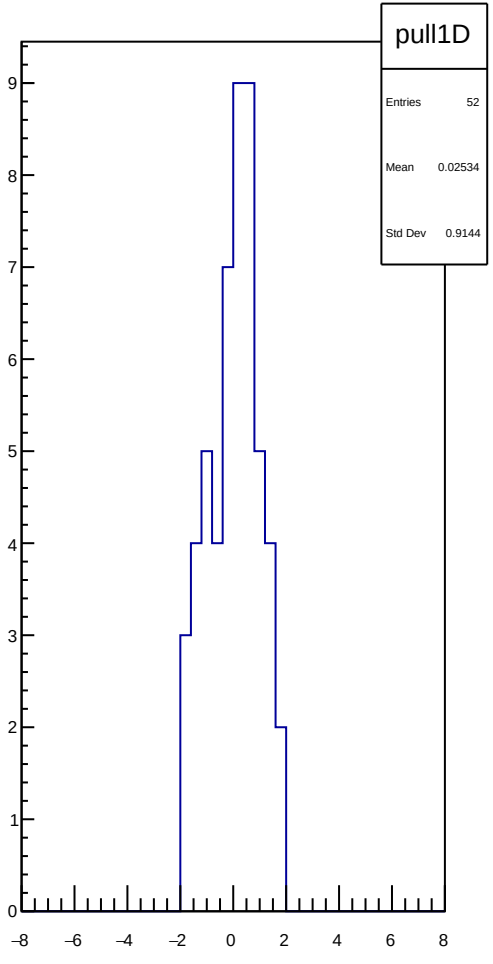

asym_sam_37_26_dd_reg_correction_rms vs run
χ² / ndf 2.472e+04 / 51
p0 806 ± 0.7786
1100
1000
900
800
700
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

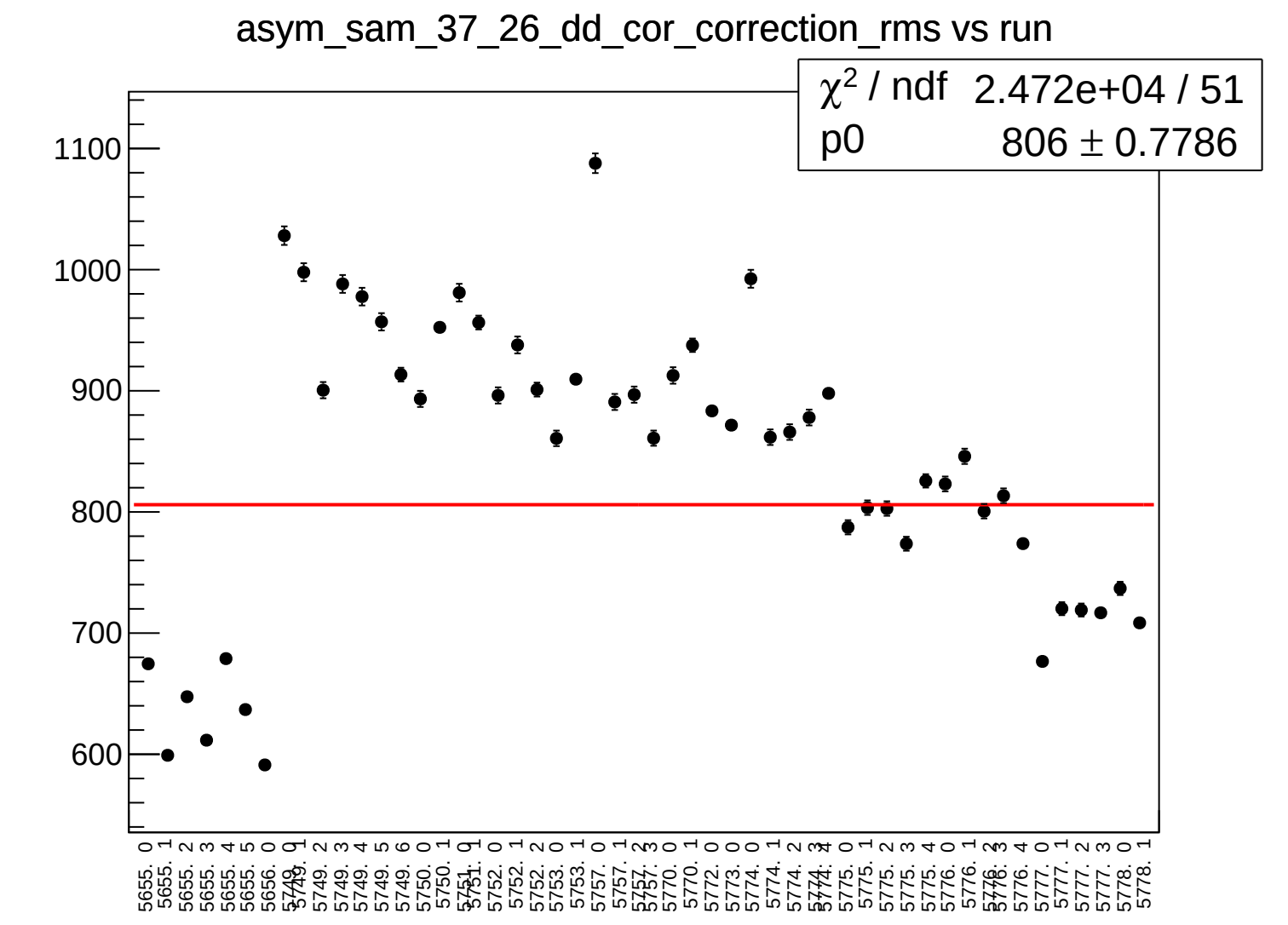

cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 55.92 / 51
p0 −123.8 ± 135.8
4000
2000
0
−2000
−4000
pull
Entries 52
Mean −51.11
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.002995
Std Dev 1.037
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.119e+04 / 51
p0 100 ± 0.09599
160
150
140
130
120
110
100
90
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_37_26_dd_cor_correction_mean vs run
χ² / ndf 43.51 / 51
p0 −775.8 ± 1101
pull
Entries 52
Mean 72.81
Std Dev 0


pull1D
Entries 52
Mean 0.02534
Std Dev 0.9144


asym_sam_37_26_dd_cor_correction_rms vs run
χ² / ndf 2.472e+04 / 51
p0 806 ± 0.7786
1100
1000
900
800
700
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
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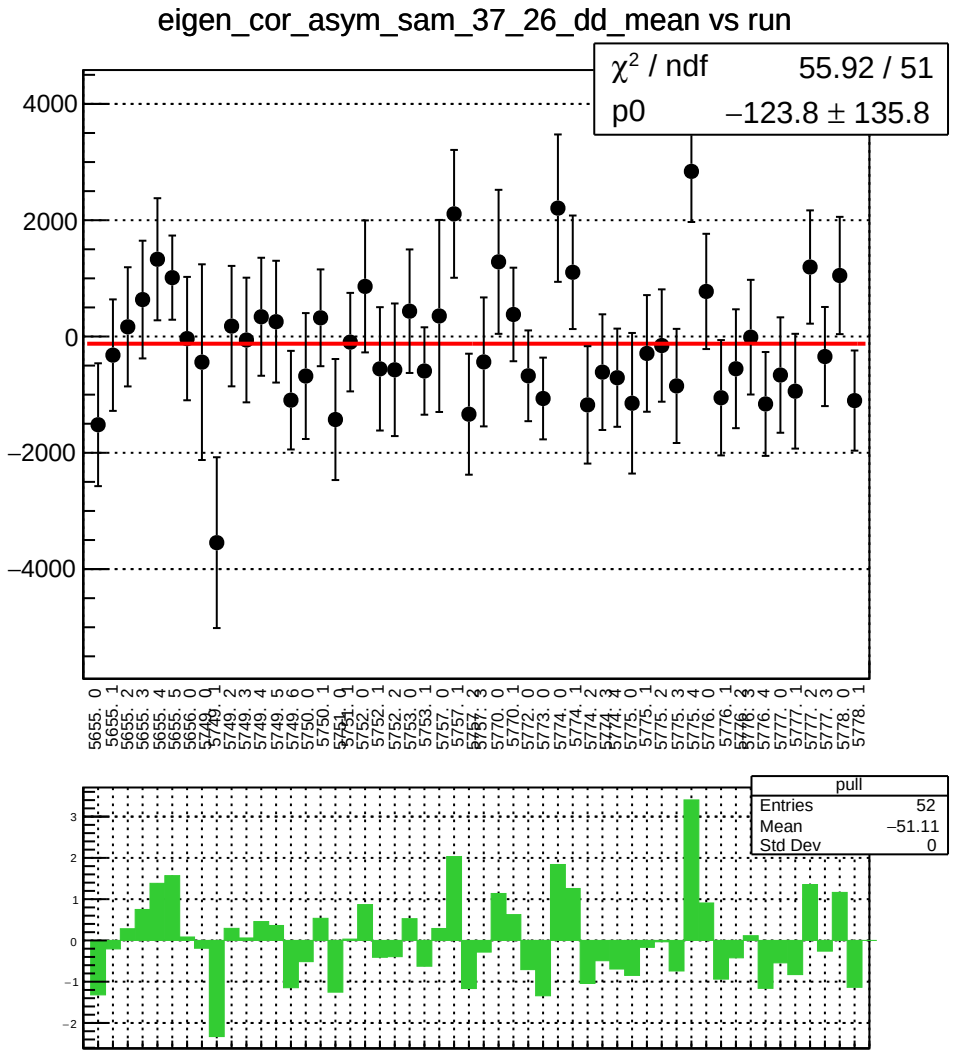
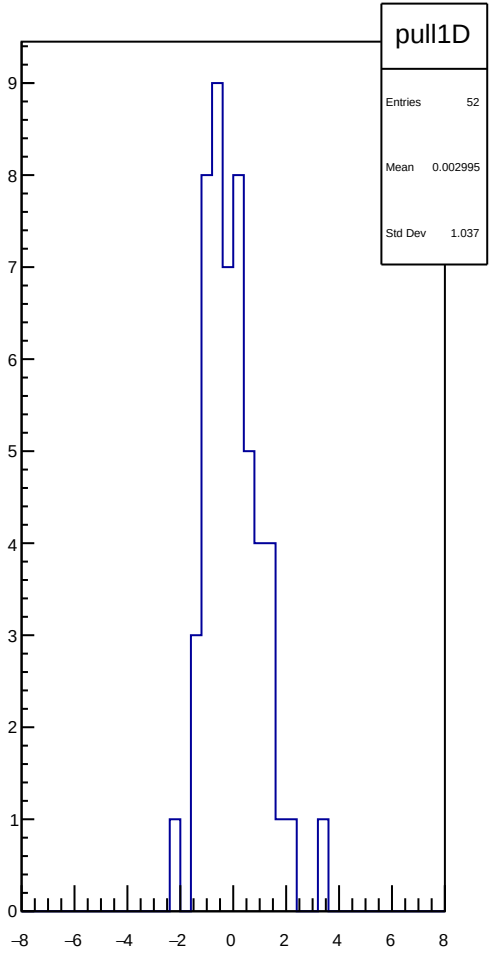
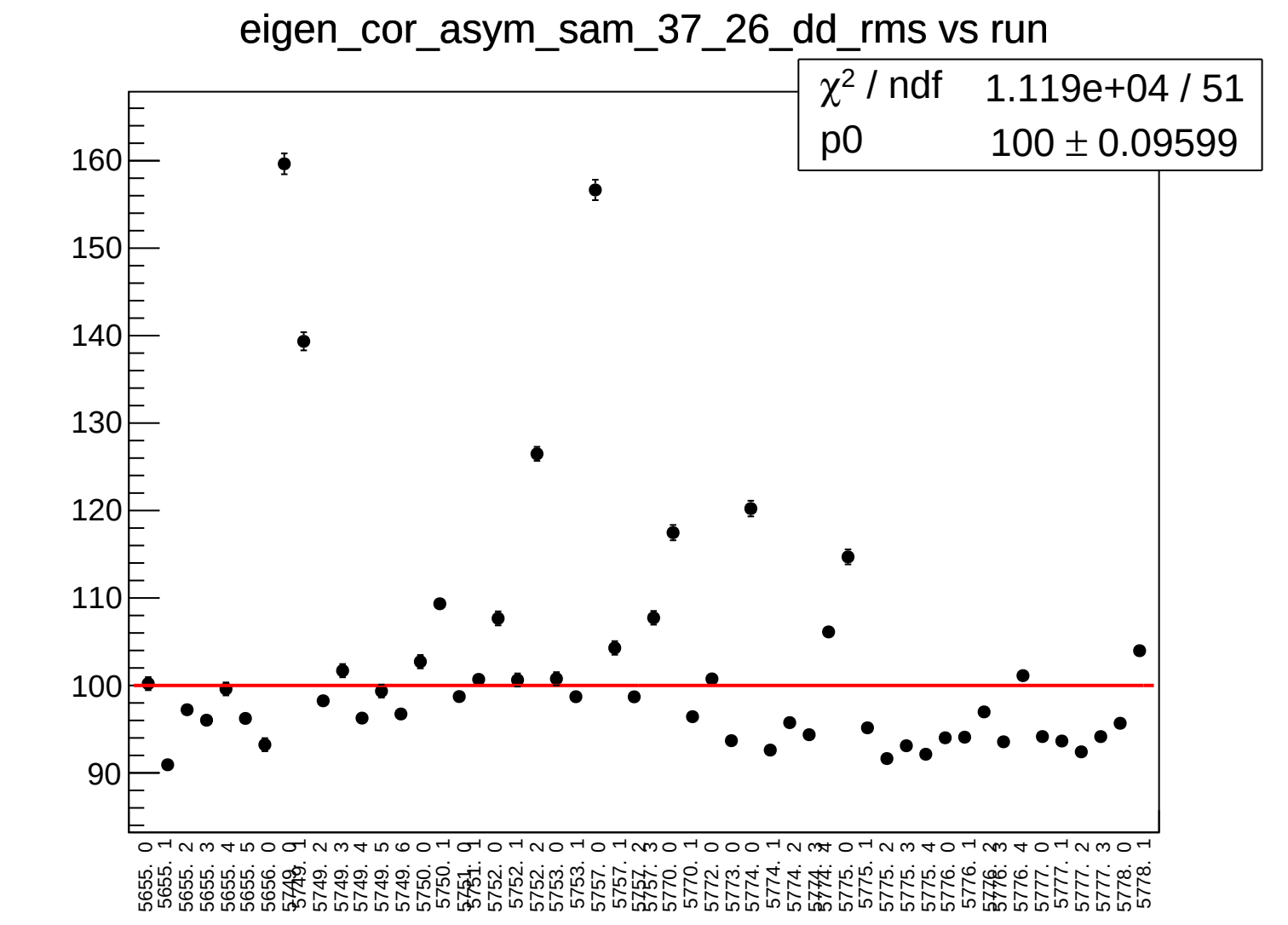
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 55.92 / 51
p0 −123.8 ± 135.8
4000
2000
0
−2000
−4000
pull
Entries 52
Mean −51.11
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 52
Mean 0.002995
Std Dev 1.037
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.119e+04 / 51
p0 100 ± 0.09599
160
150
140
130
120
110
100
90
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
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5757. 1
5757. 2
5757. 3
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5770. 1
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5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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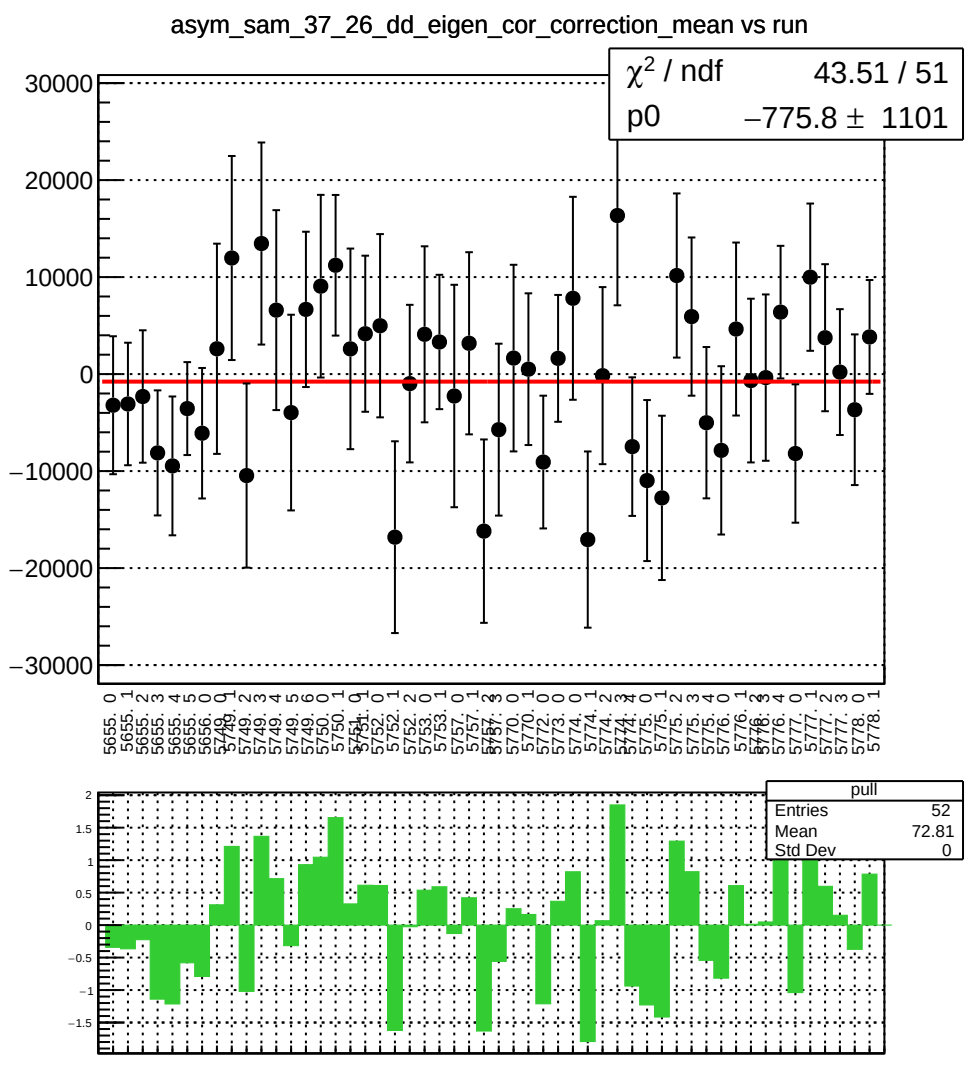
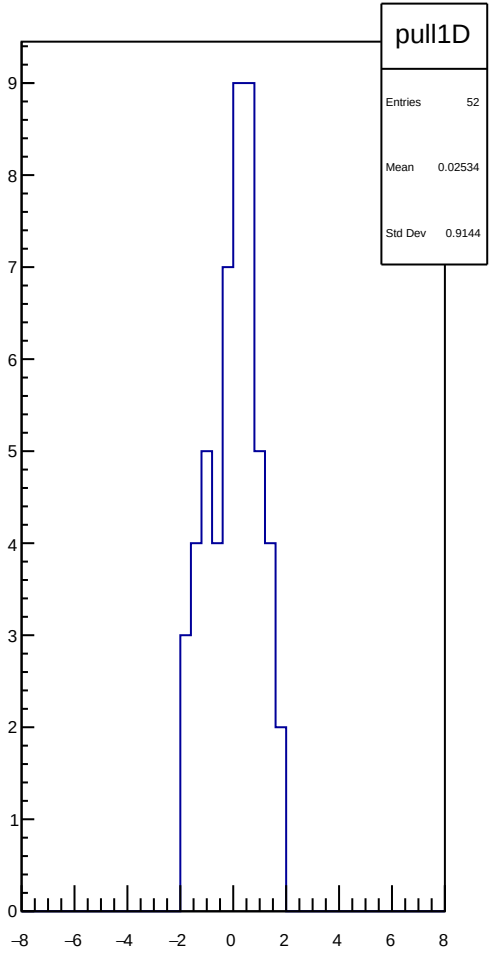
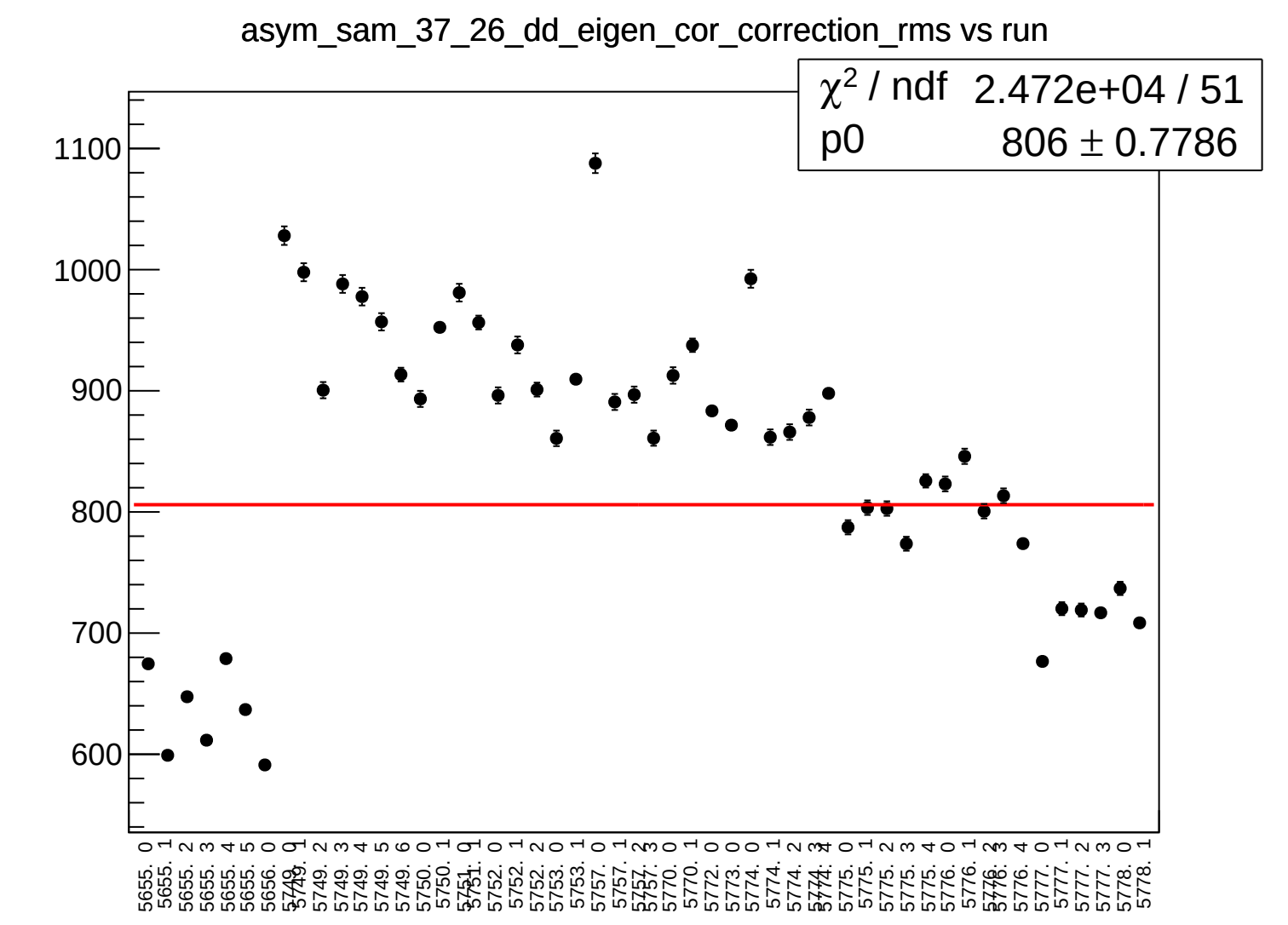
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_37_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 43.51 / 51
p0 −775.8 ± 1101
pull
Entries 52
Mean 72.81
Std Dev 0


pull1D
Entries 52
Mean 0.02534
Std Dev 0.9144


asym_sam_37_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.472e+04 / 51
p0 806 ± 0.7786
1100
1000
900
800
700
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5749. 6
5750. 0
5750. 1
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5751. 1
5752. 0
5752. 1
5752. 2
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5753. 1
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5757. 2
5757. 3
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5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
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5775. 4
5776. 0
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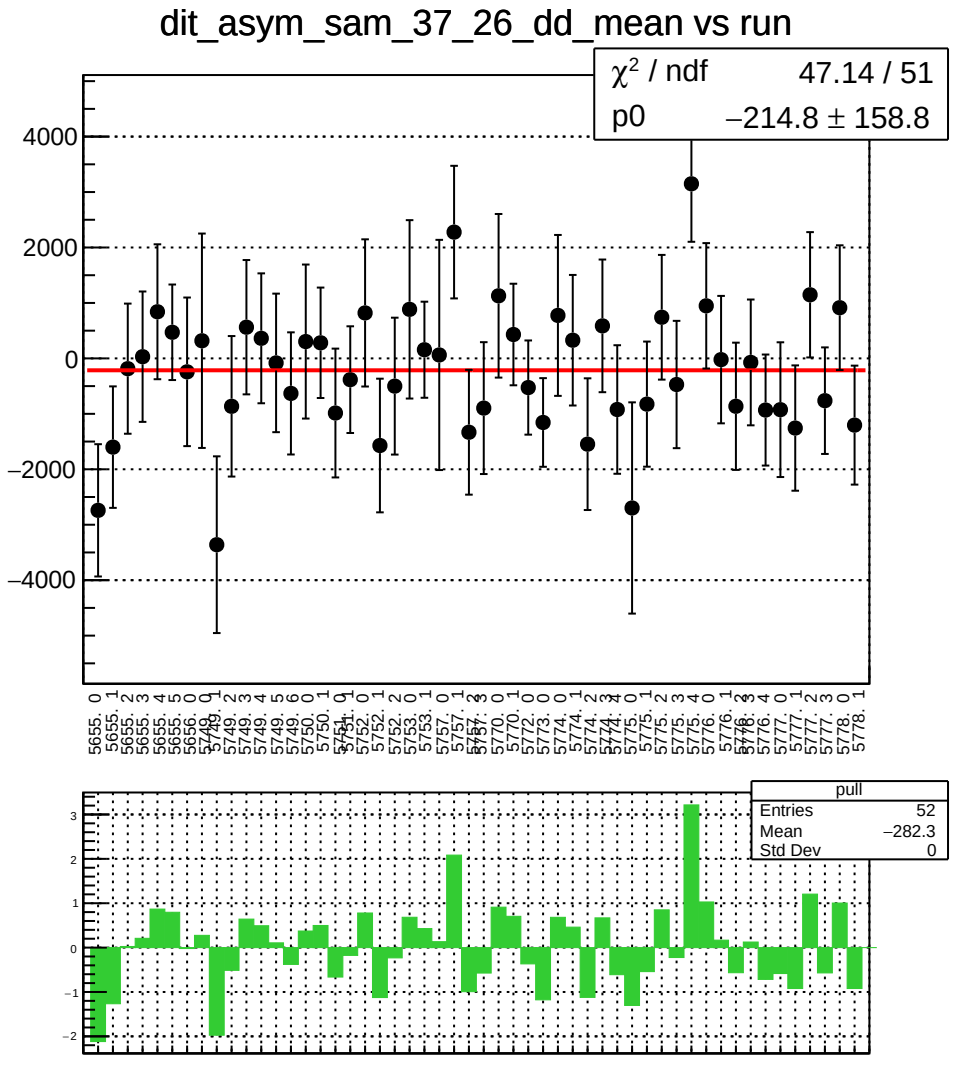
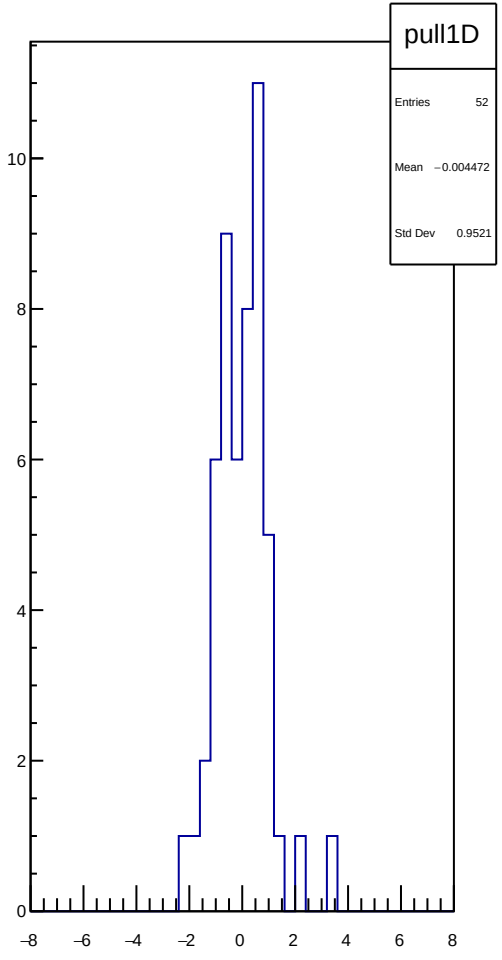
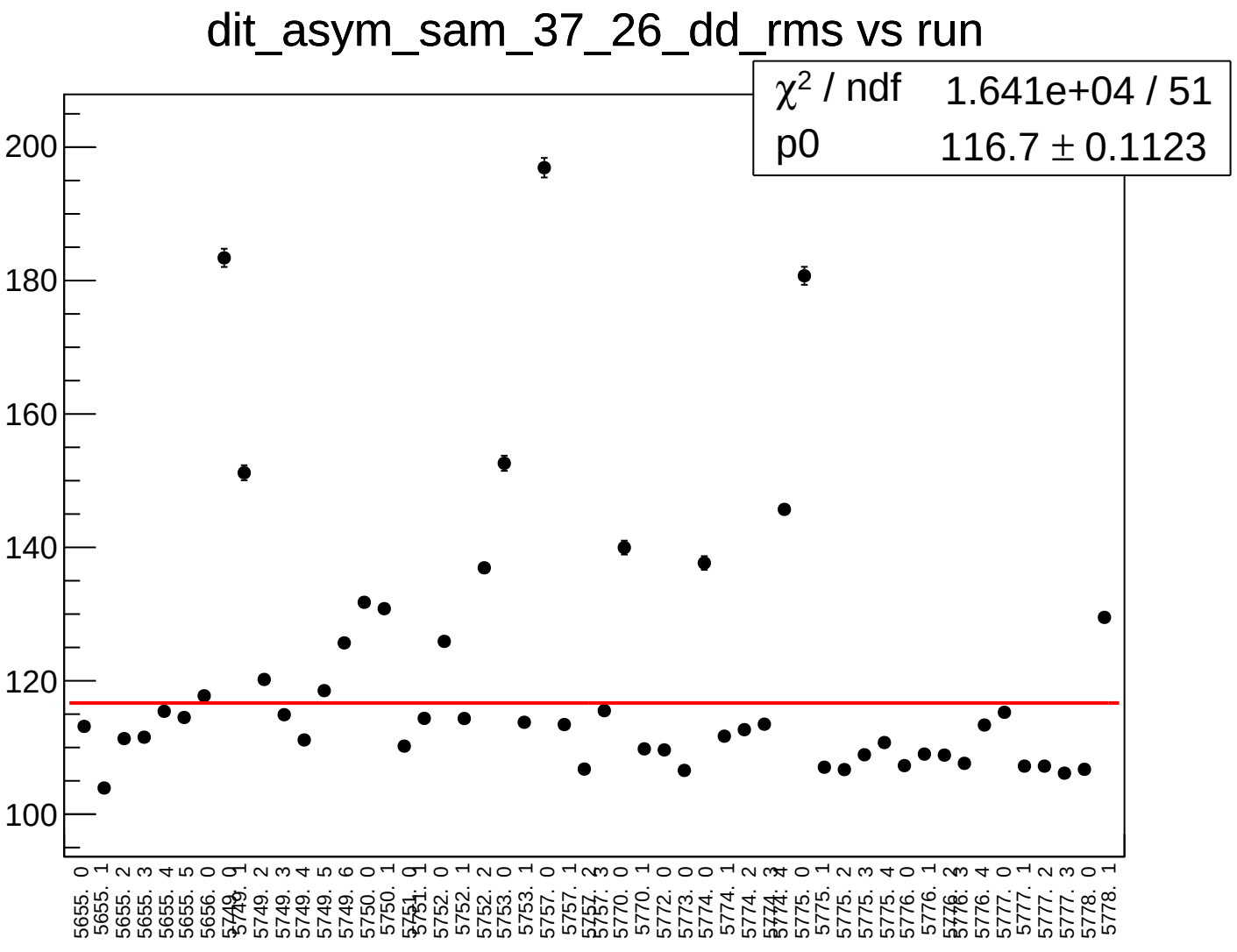
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 47.14 / 51
p0 −214.8 ± 158.8
4000
2000
0
−2000
−4000
pull
Entries 52
Mean −282.3
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.004472
Std Dev 0.9521
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 1.641e+04 / 51
p0 116.7 ± 0.1123
200
180
160
140
120
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5750. 1
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5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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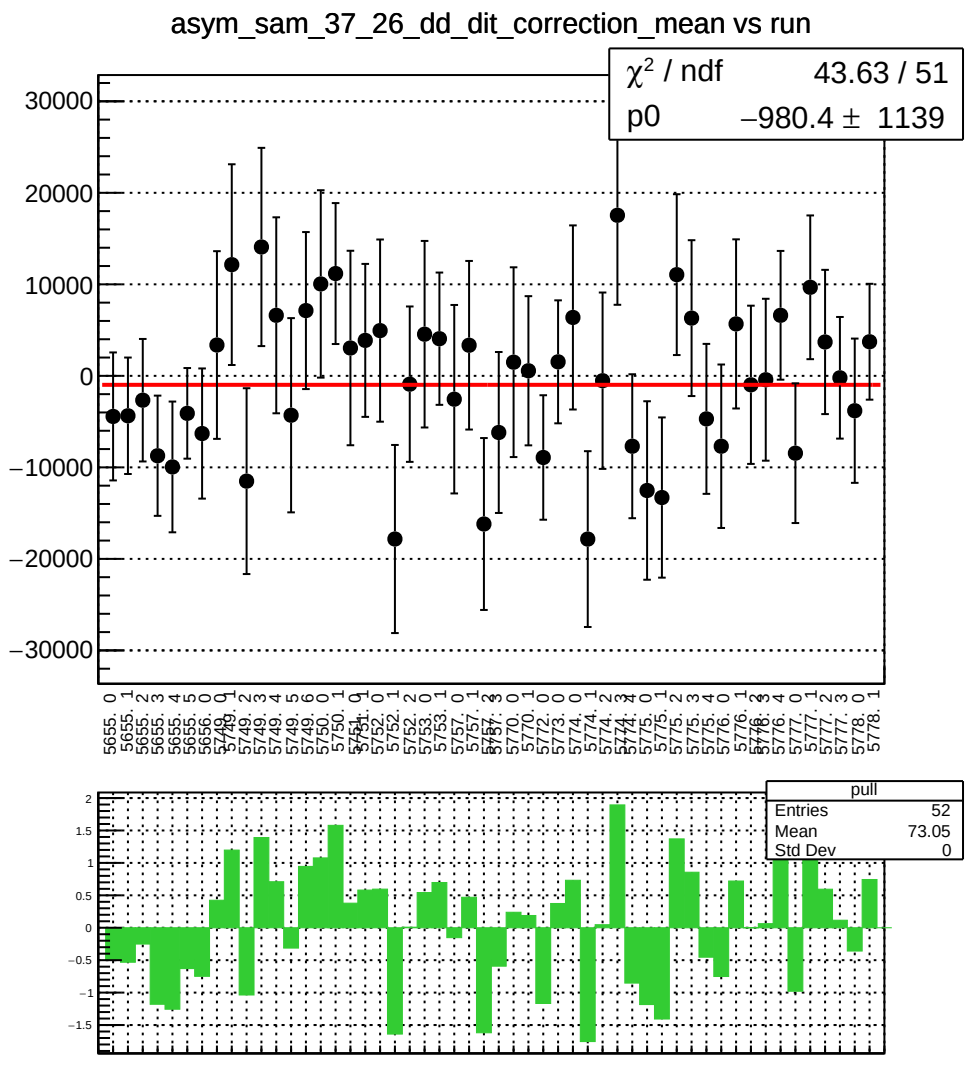
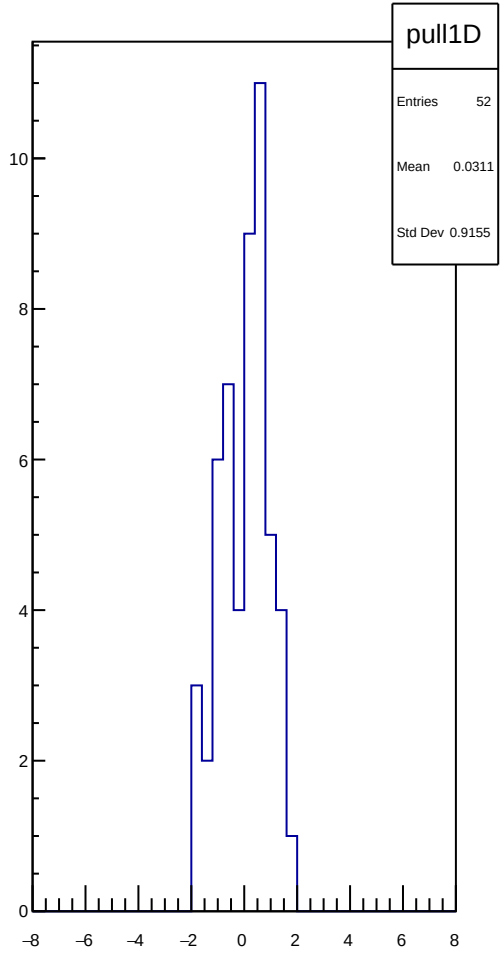
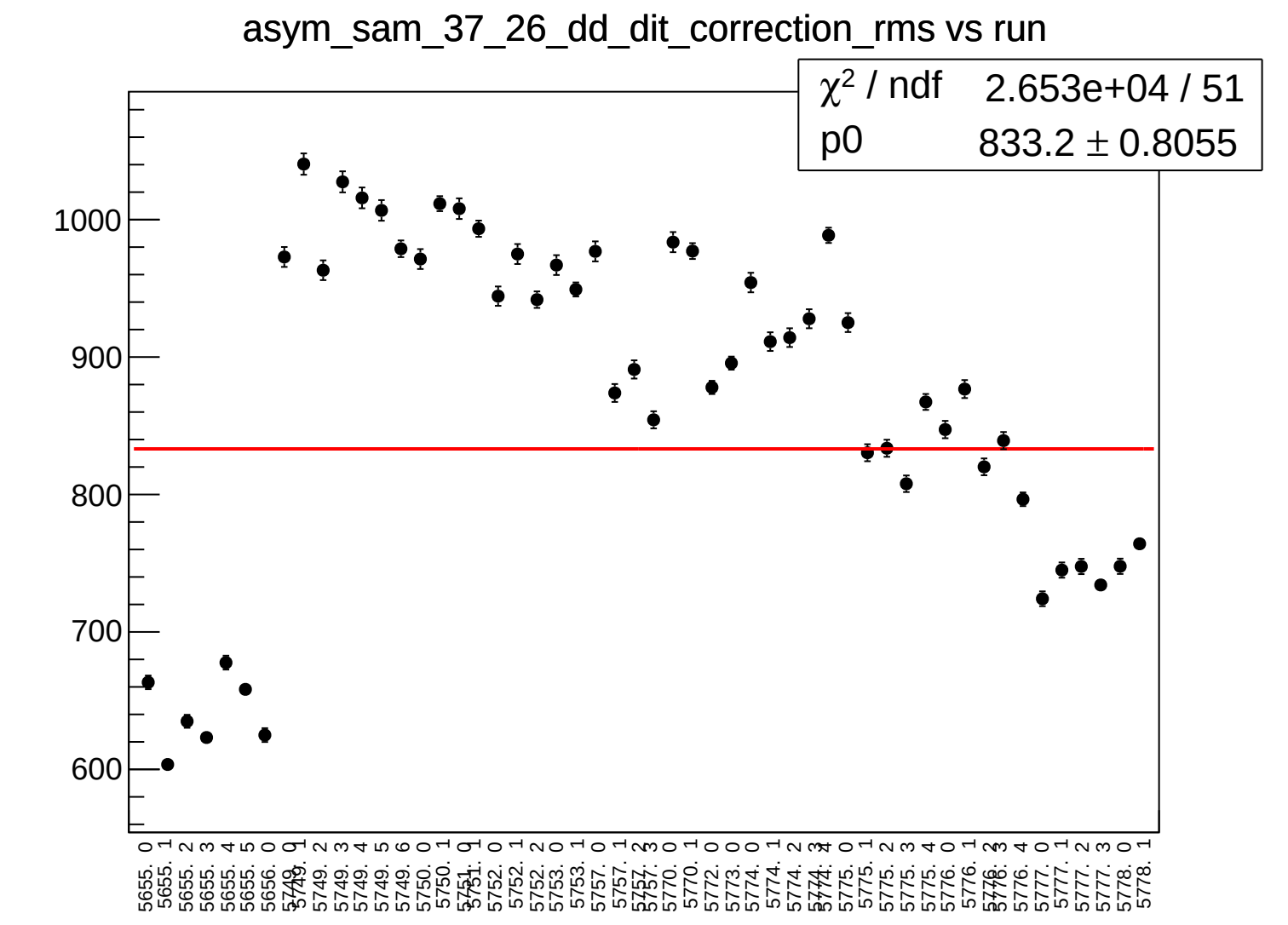
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_37_26_dd_dit_correction_mean vs run
χ² / ndf 43.63 / 51
p0 −980.4 ± 1139
pull
Entries 52
Mean 73.05
Std Dev 0


pull1D
Entries 52
Mean 0.0311
Std Dev 0.9155


asym_sam_37_26_dd_dit_correction_rms vs run
χ² / ndf 2.653e+04 / 51
p0 833.2 ± 0.8055
1000
900
800
700
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
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5774. 1
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5775. 4
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5777. 1
5777. 2
5777. 3
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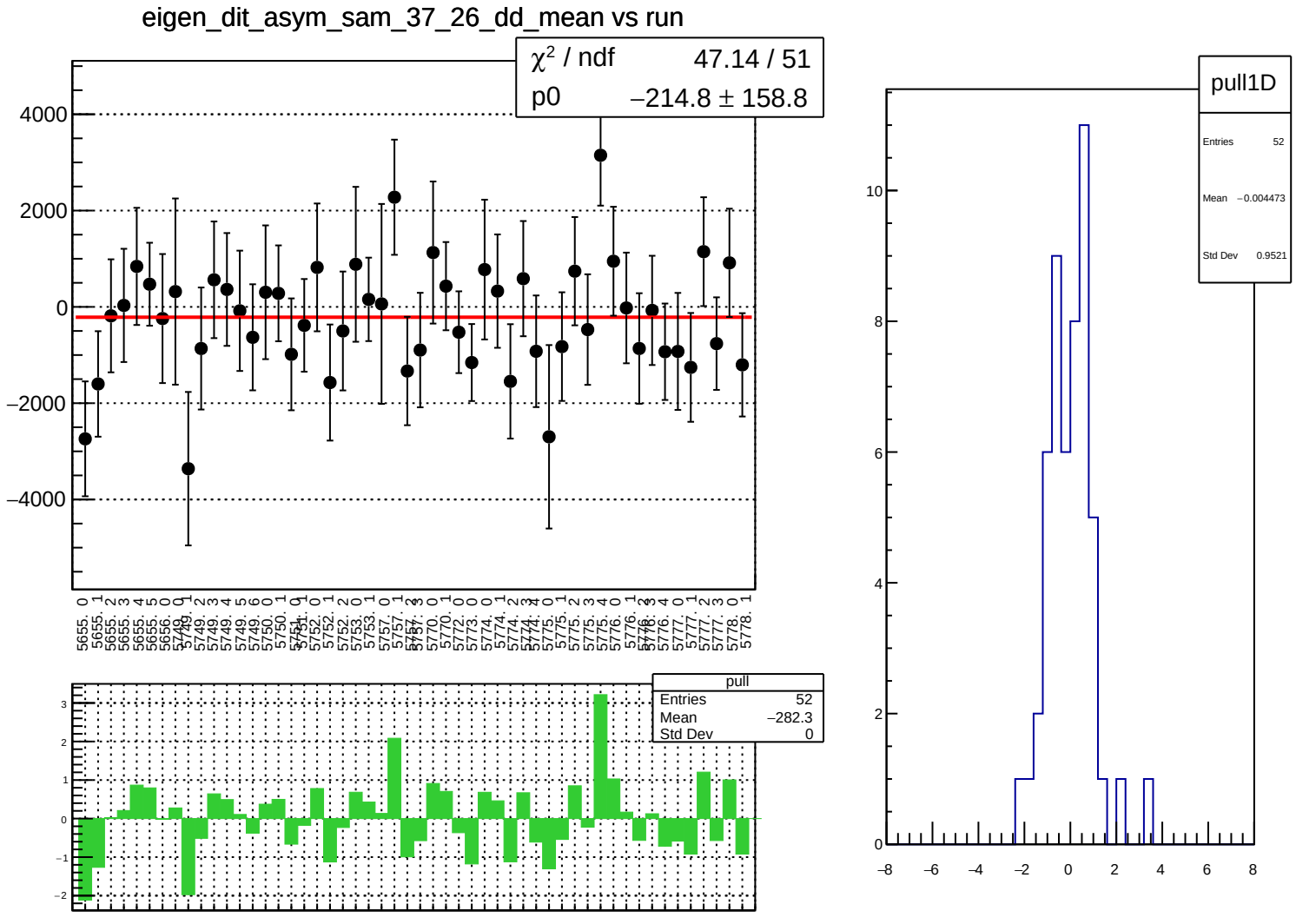
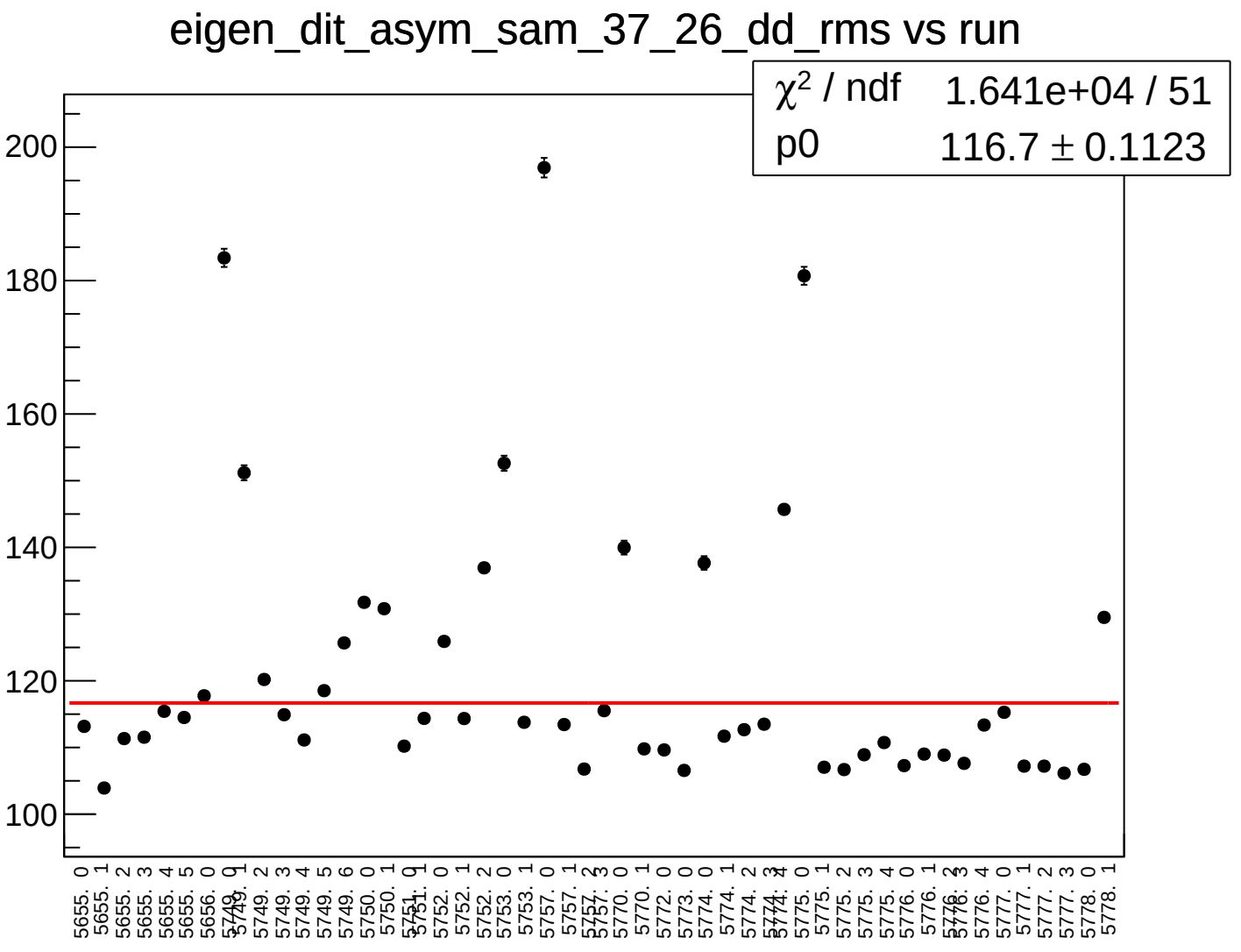

eigen_dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 47.14 / 51
p0 −214.8 ± 158.8
4000
2000
0
−2000
−4000
pull
Entries 52
Mean −282.3
Std Dev 0
pull1D
Entries 52
Mean −0.004473
Std Dev 0.9521
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.641e+04 / 51
p0 116.7 ± 0.1123
200
180
160
140
120
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
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5749. 2
5749. 3
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5752. 0
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5752. 2
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5753. 1
5757. 0
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5773. 0
5774. 0
5774. 1
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5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
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5775. 4
5776. 0
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5776. 3
5776. 4
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5777. 2
5777. 3
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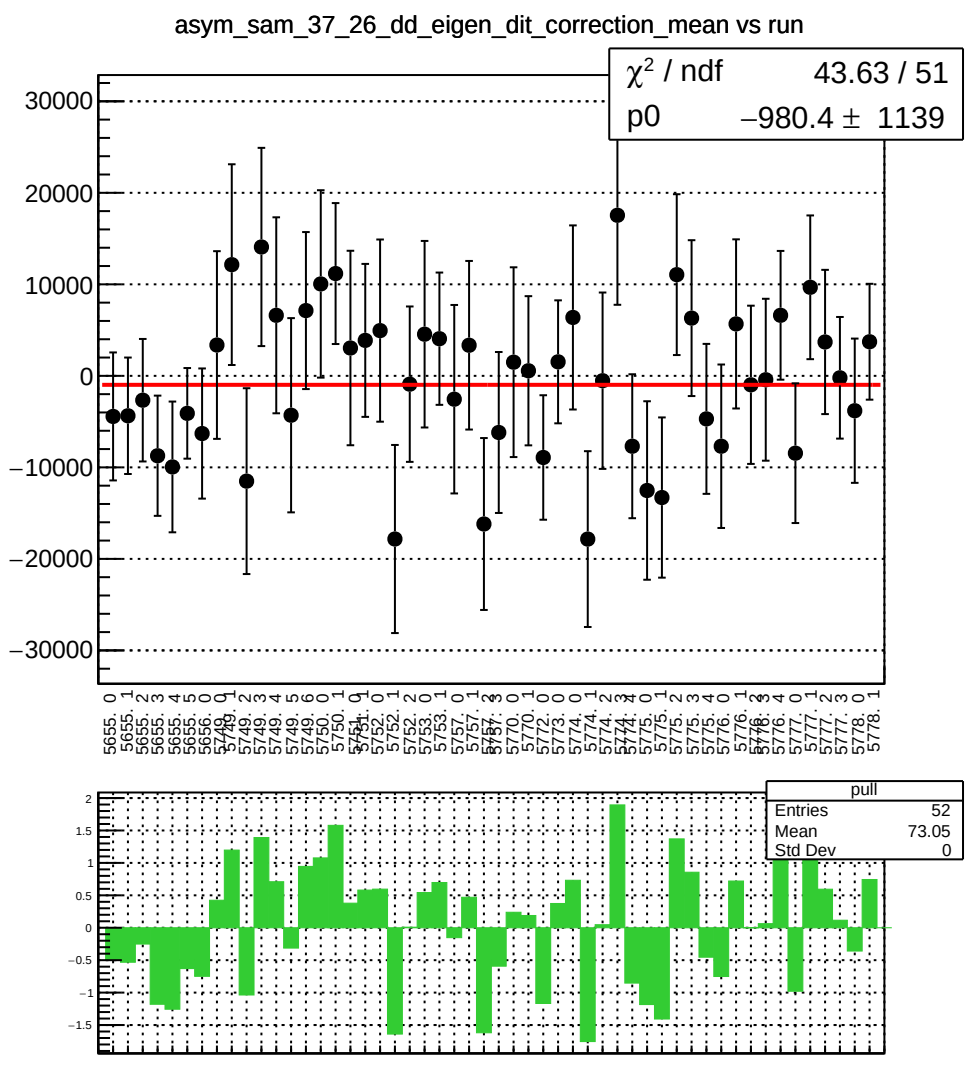
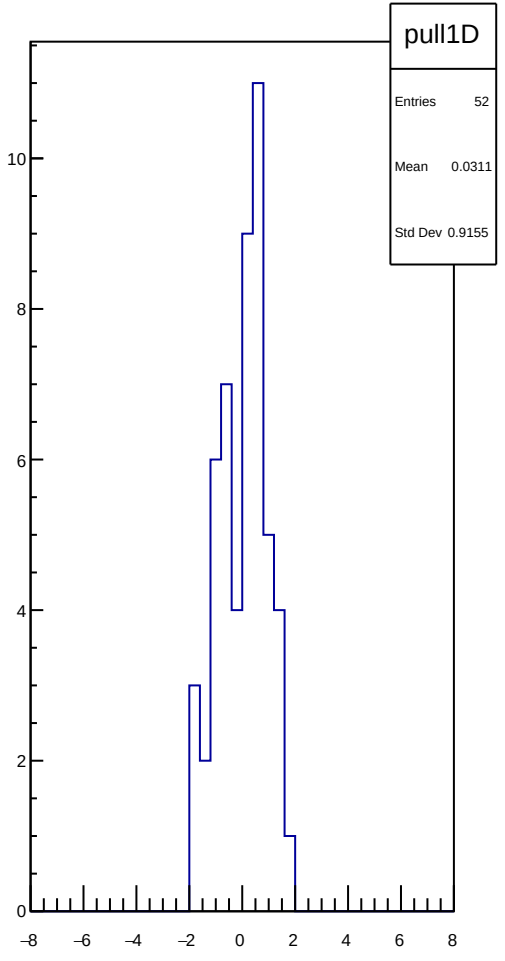
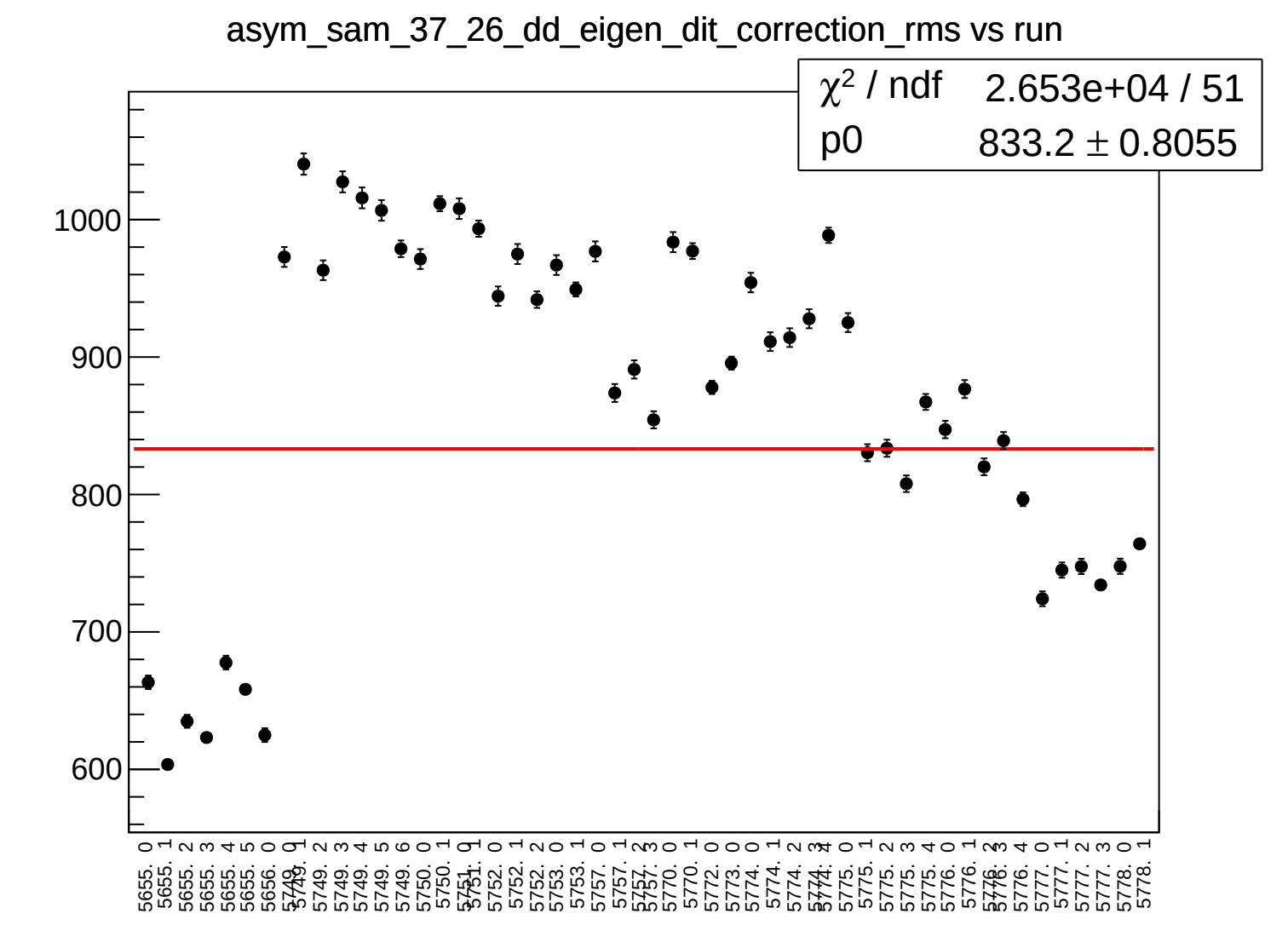
5778. 1


asym_sam_37_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 43.63 / 51
p0 −980.4 ± 1139
pull
Entries 52
Mean 73.05
Std Dev 0


pull1D
Entries 52
Mean 0.0311
Std Dev 0.9155


asym_sam_37_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.653e+04 / 51
p0 833.2 ± 0.8055
1000
900
800
700
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
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5776. 0
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5777. 1
5777. 2
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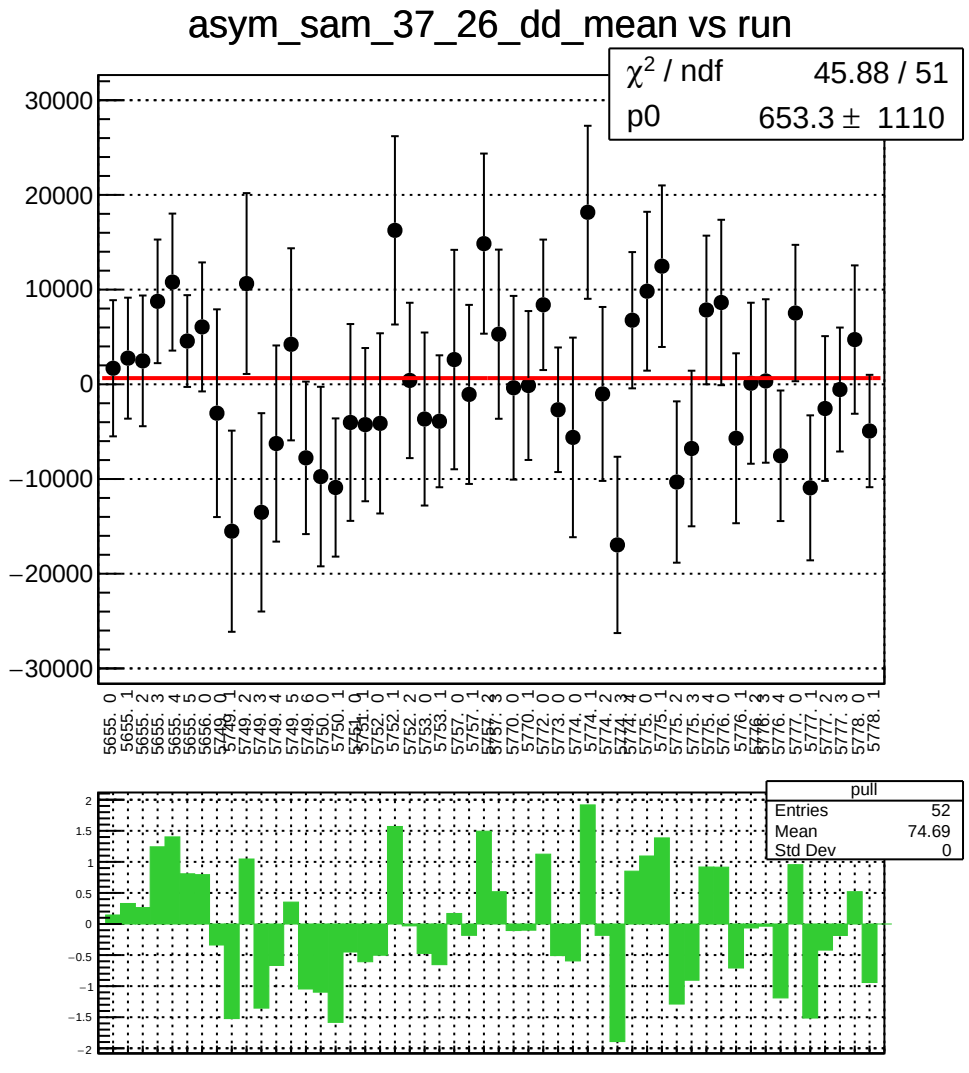
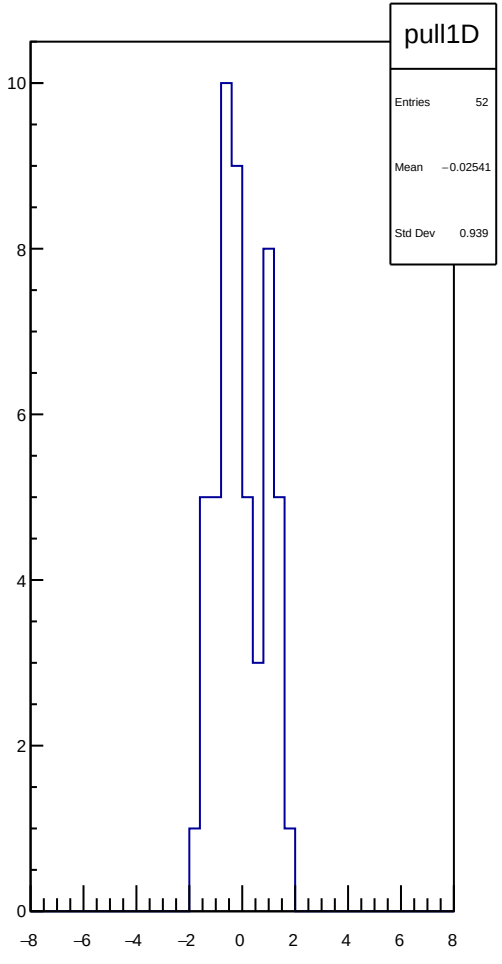
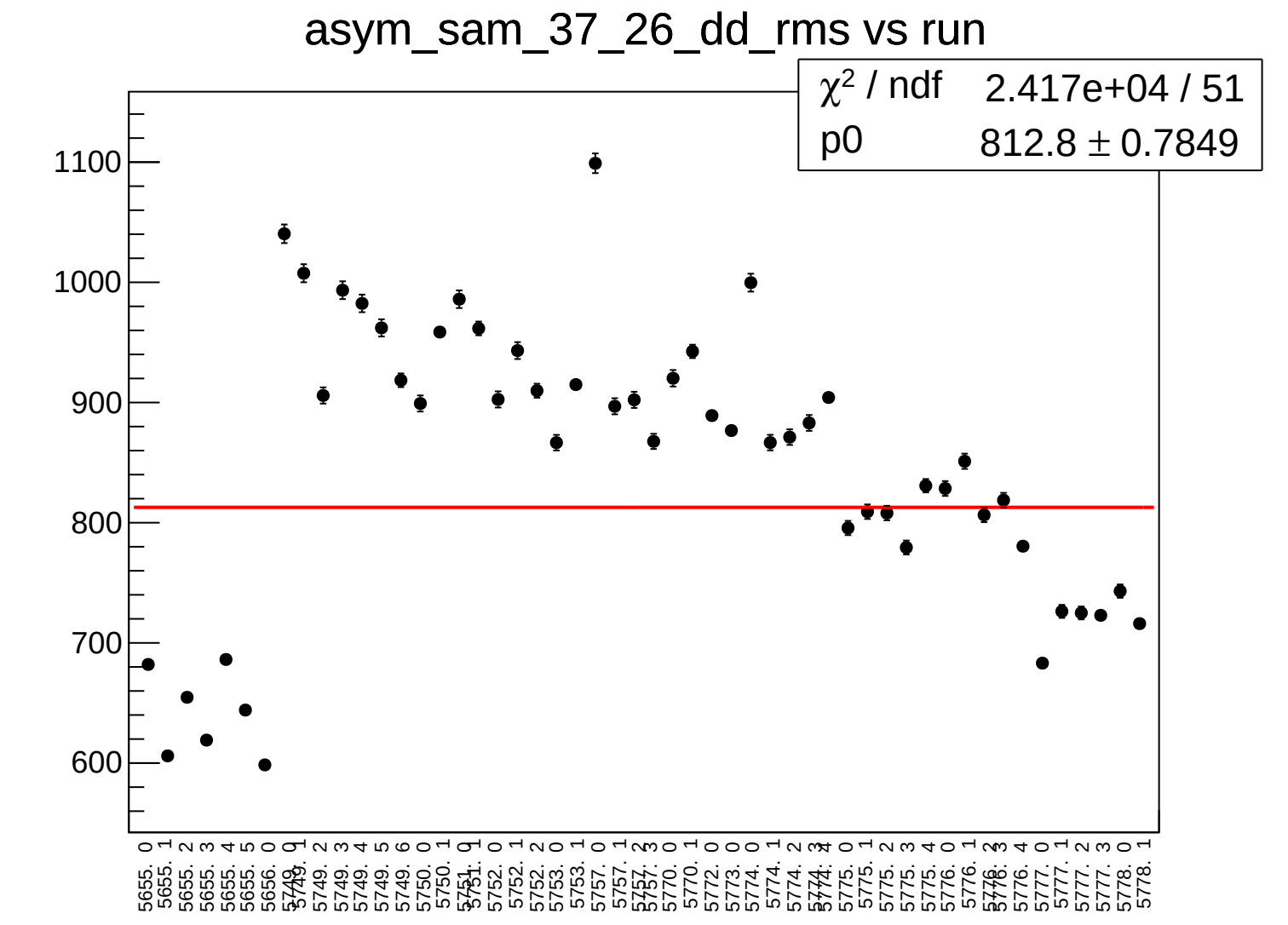
5778. 0
5778. 1


asym_sam_37_26_dd_mean vs run
χ² / ndf 45.88 / 51
p0 653.3 ± 1110
pull
Entries 52
Mean 74.69
Std Dev 0


pull1D
Entries 52
Mean −0.02541
Std Dev 0.939


asym_sam_37_26_dd_rms vs run
χ^2 / ndf 2.417e+04 / 51
p0 812.8 ± 0.7849
1100
1000
900
800
700
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
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5757. 2
5757. 3
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5776. 0
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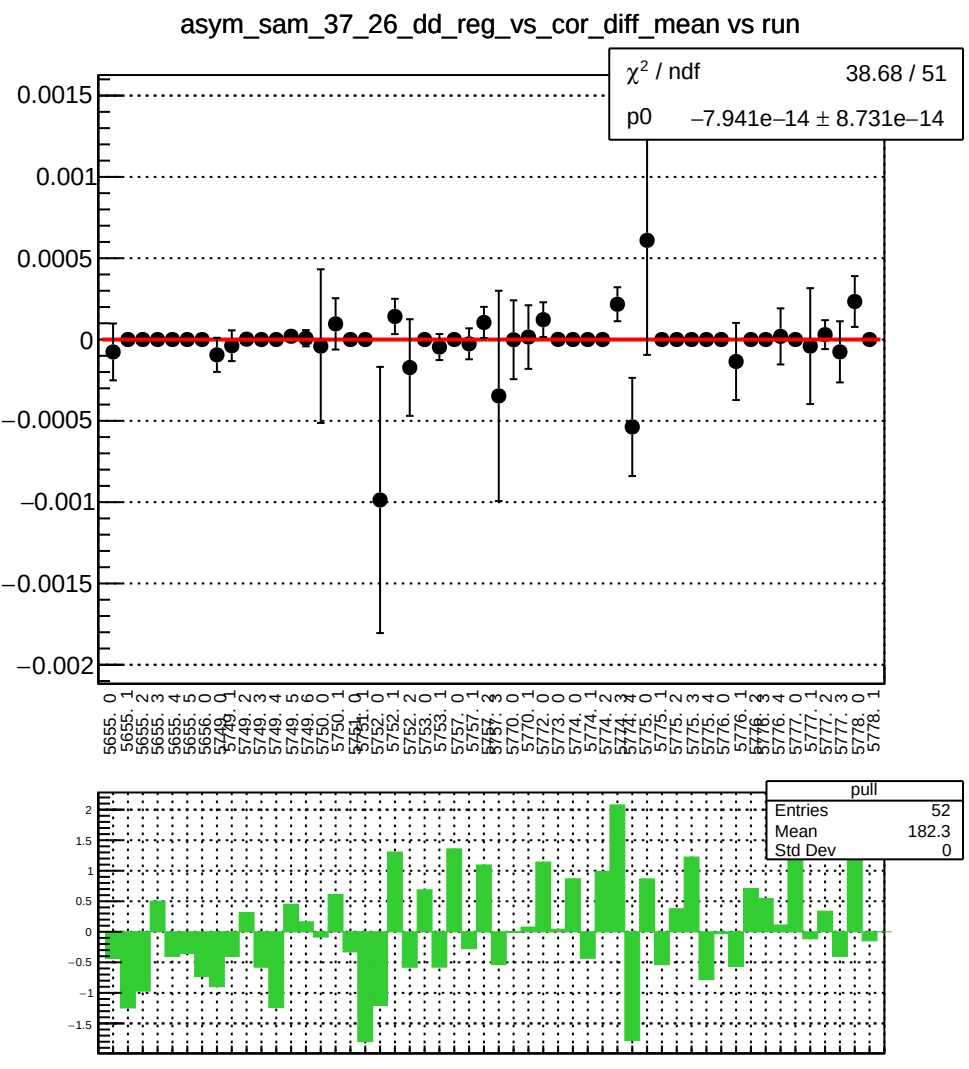
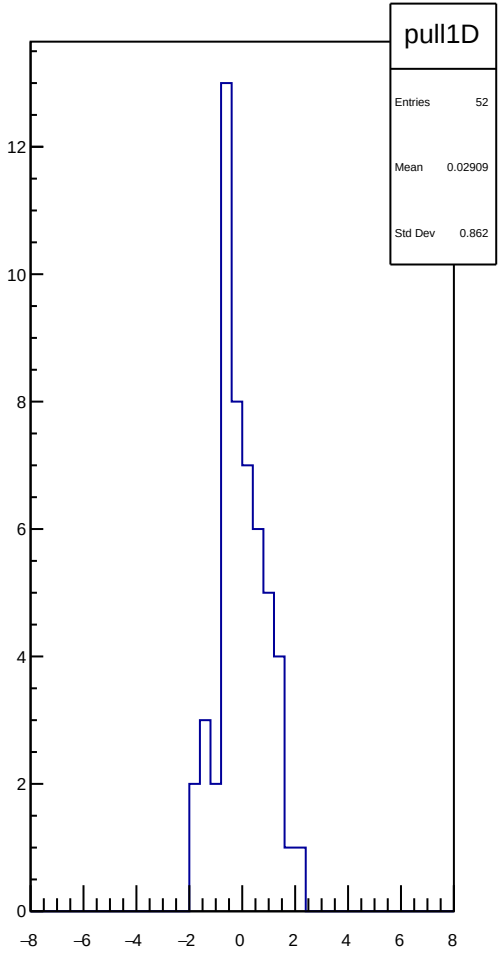
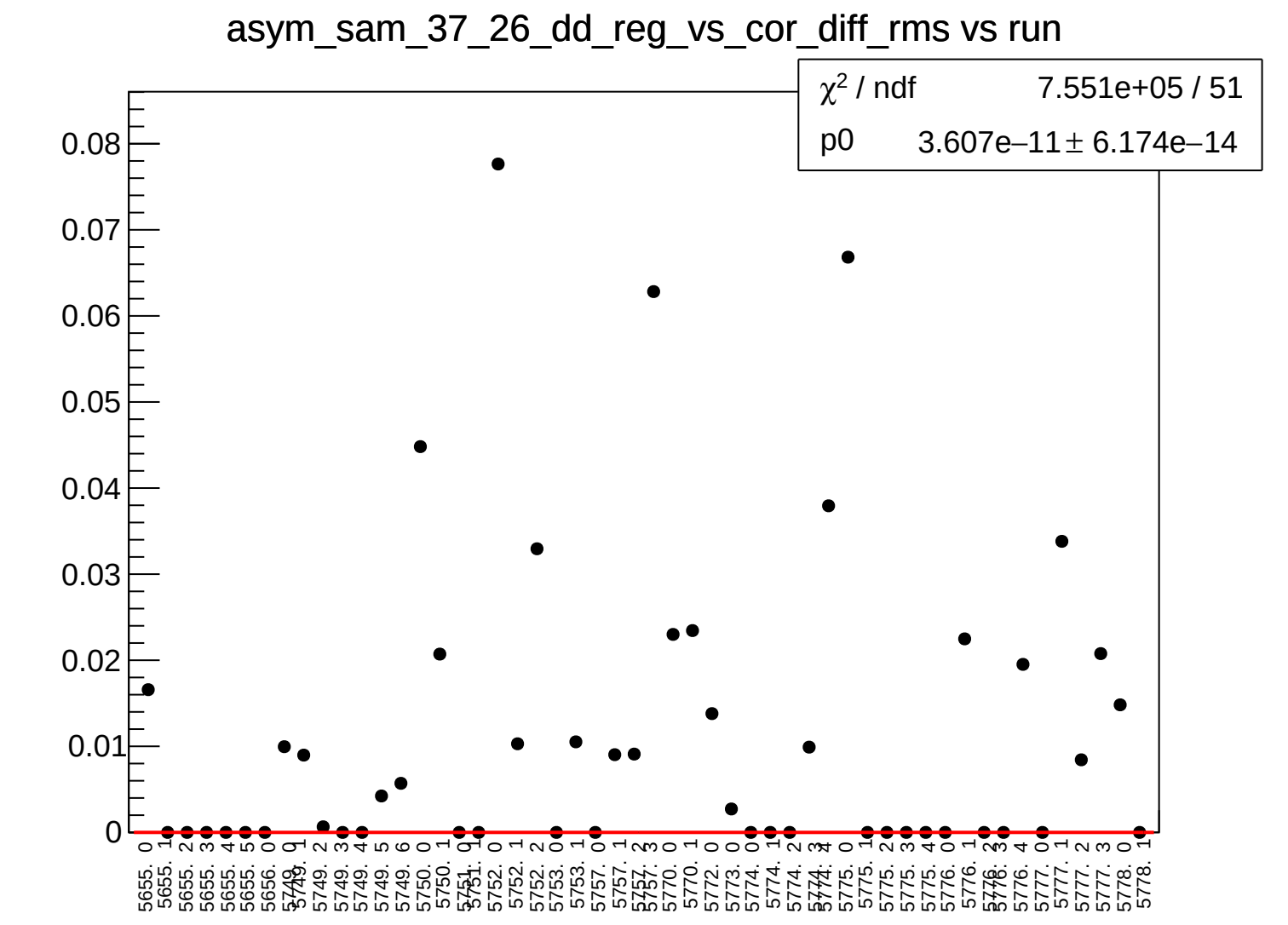
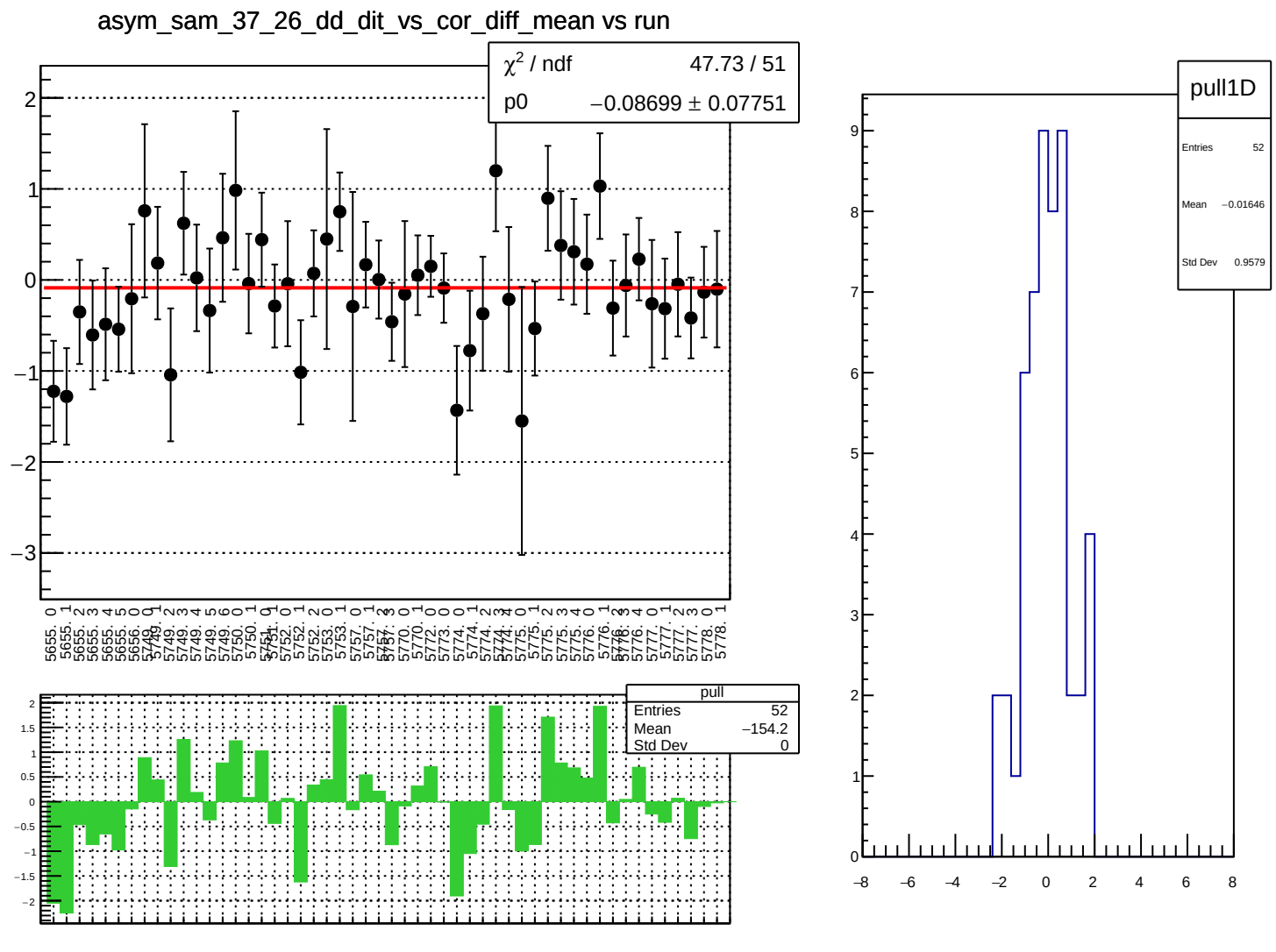
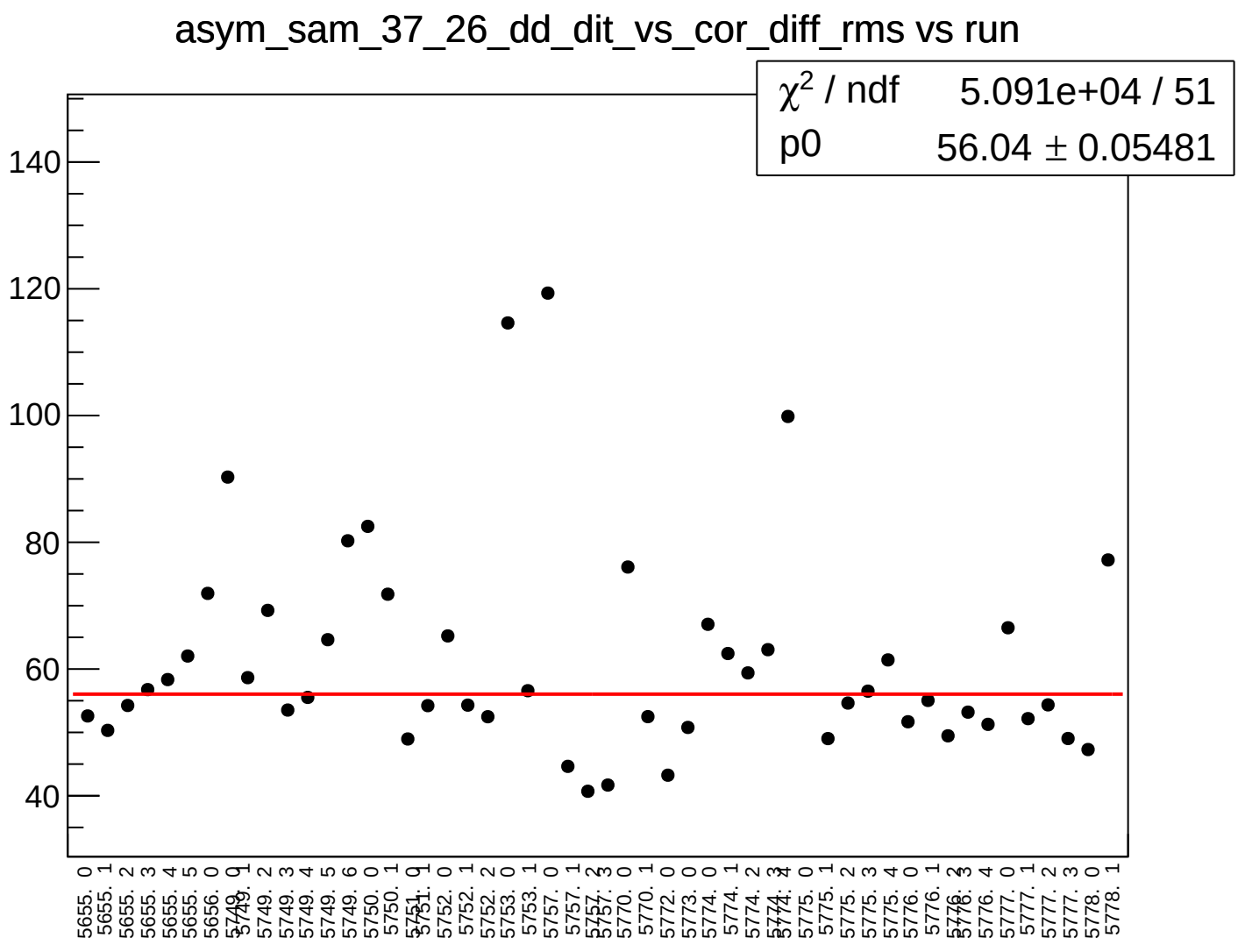
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

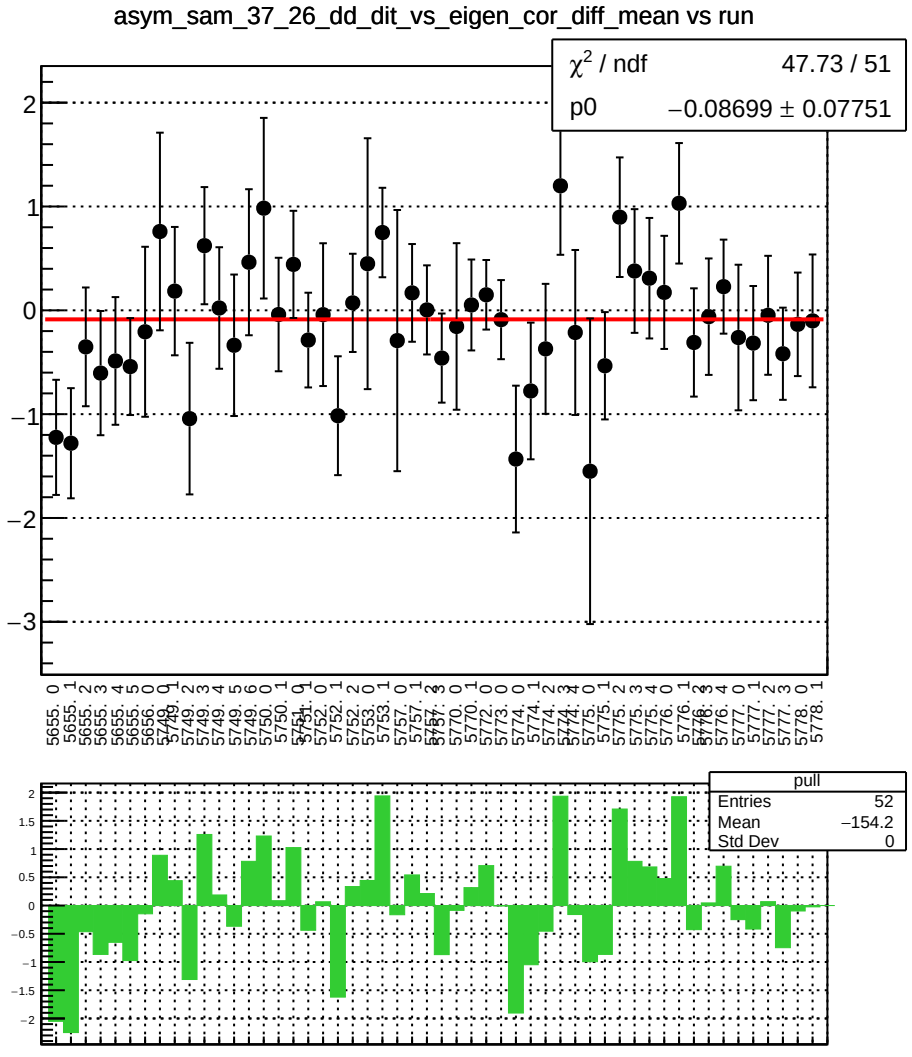

asym_sam_37_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 38.68 / 51
p0 −7.941e−14 ± 8.731e−14
pull
Entries 52
Mean 182.3
Std Dev 0

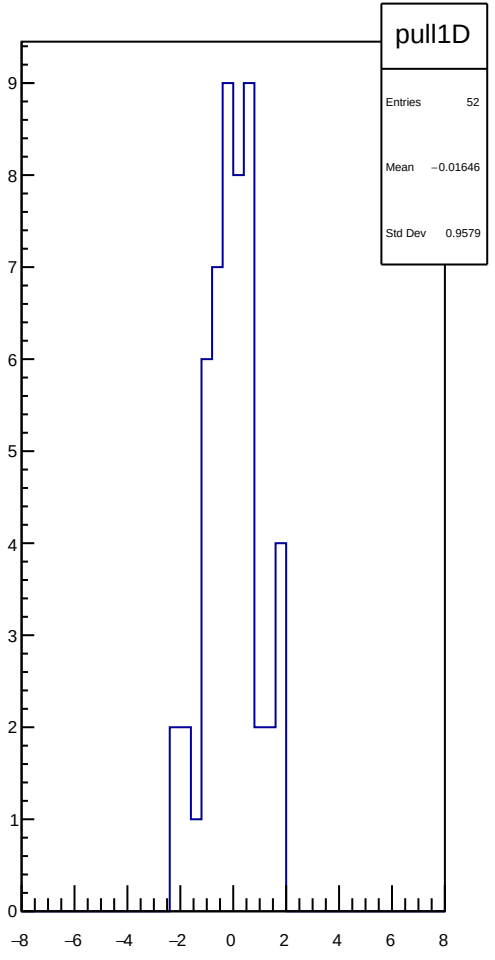

pull1D
Entries 52
Mean 0.02909
Std Dev 0.862

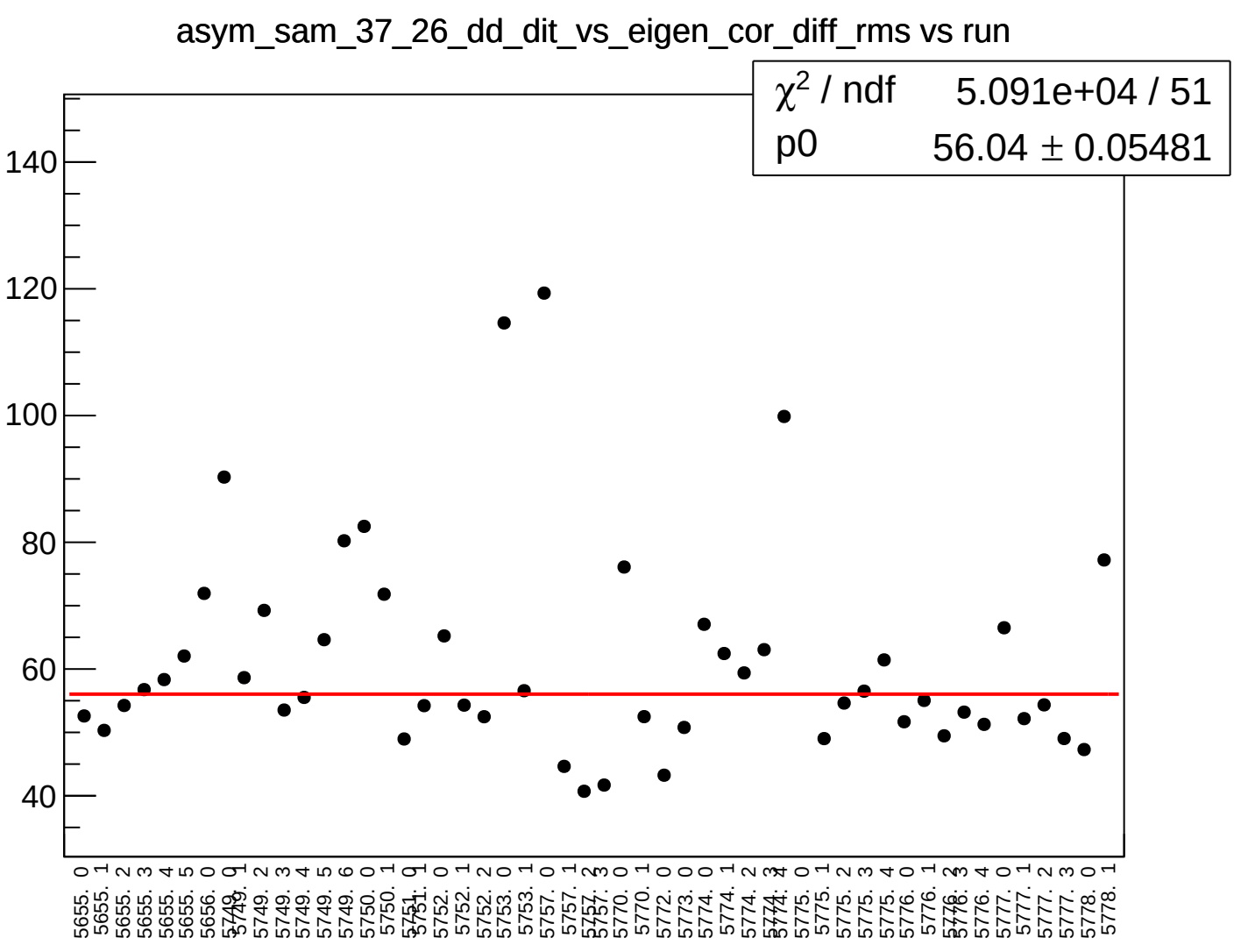

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.551e+05 / 51
p0 3.607e−11 ± 6.174e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

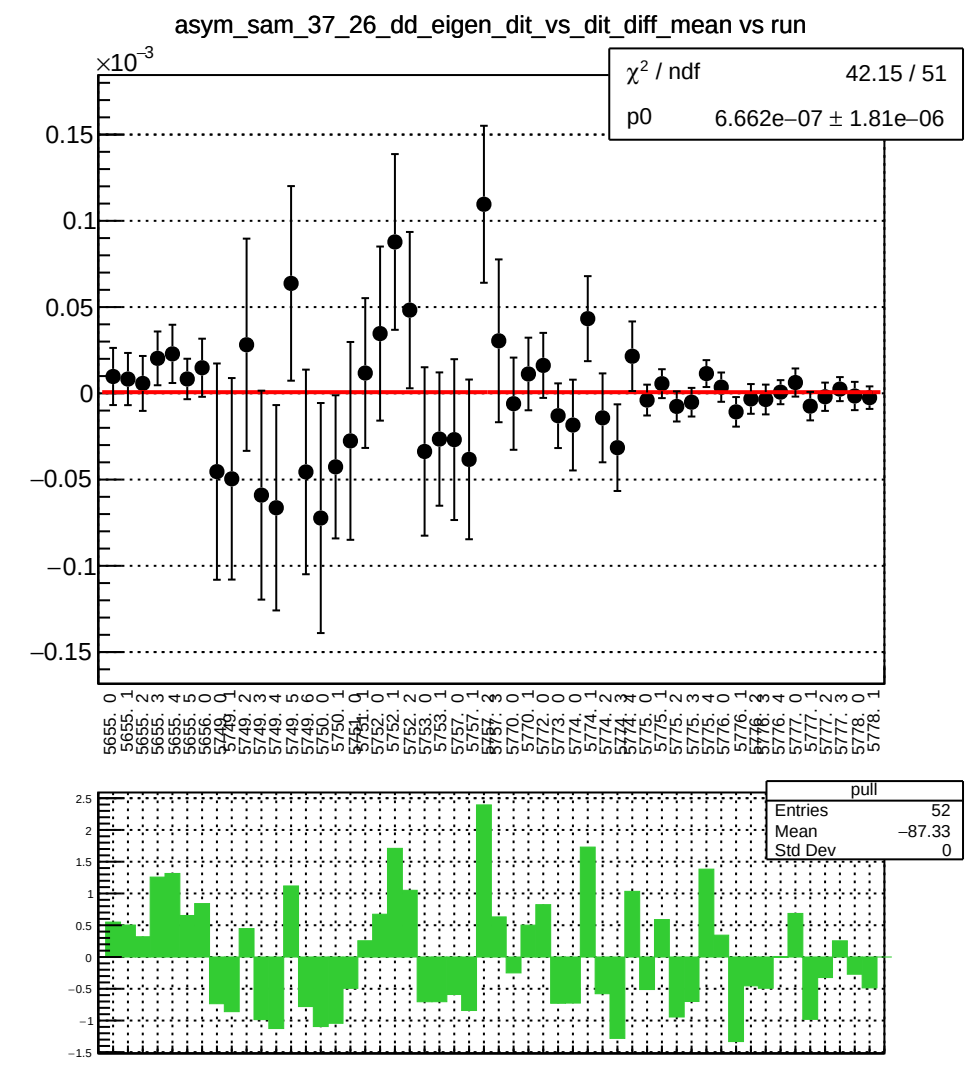

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 47.73 / 51
p0 −0.08699 ± 0.07751
pull
Entries 52
Mean −154.2
Std Dev 0
pull1D
Entries 52
Mean −0.01646
Std Dev 0.9579

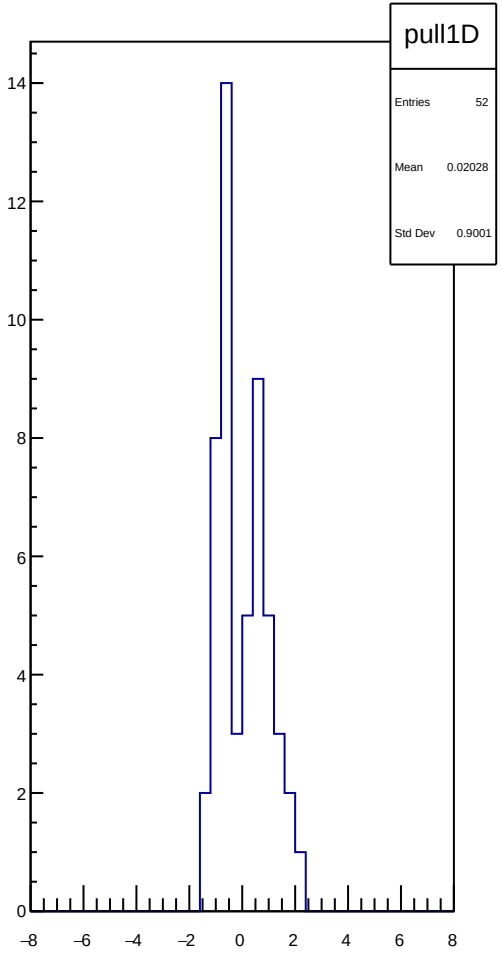

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.091e+04 / 51
p0 56.04 ± 0.05481
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

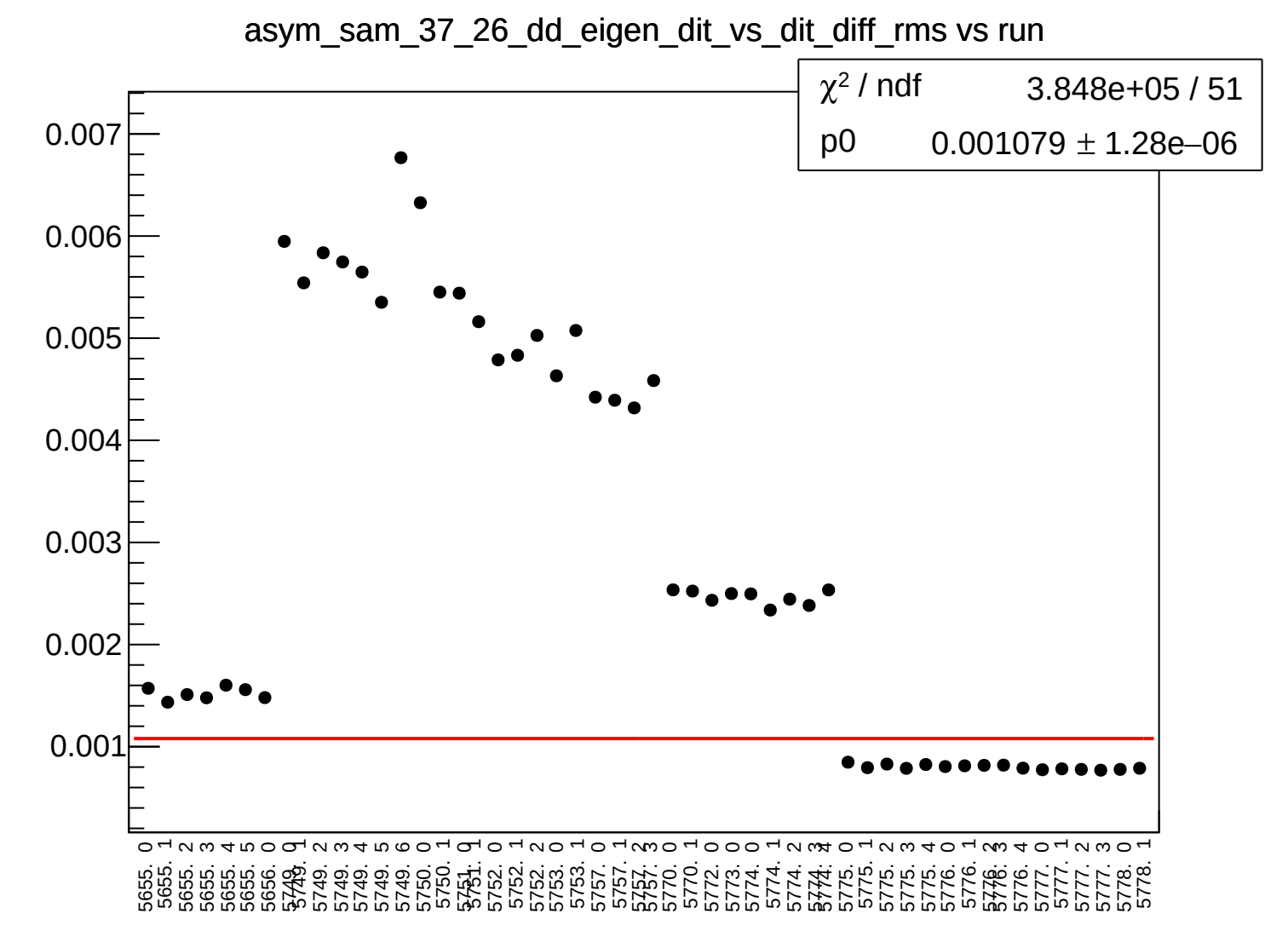

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.73 / 51
p0 −0.08699 ± 0.07751
pull
Entries 52
Mean −154.2
Std Dev 0


pull1D
Entries 52
Mean −0.01646
Std Dev 0.9579


asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.091e+04 / 51
p0 56.04 ± 0.05481
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 42.15 / 51
p0 6.662e−07 ± 1.81e−06
pull
Entries 52
Mean −87.33
Std Dev 0


pull1D
Entries 52
Mean 0.02028
Std Dev 0.9001


asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.848e+05 / 51
p0 0.001079 ± 1.28e−06
0.007
0.006
0.005
0.004
0.003
0.002
0.001
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
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5770. 1
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5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
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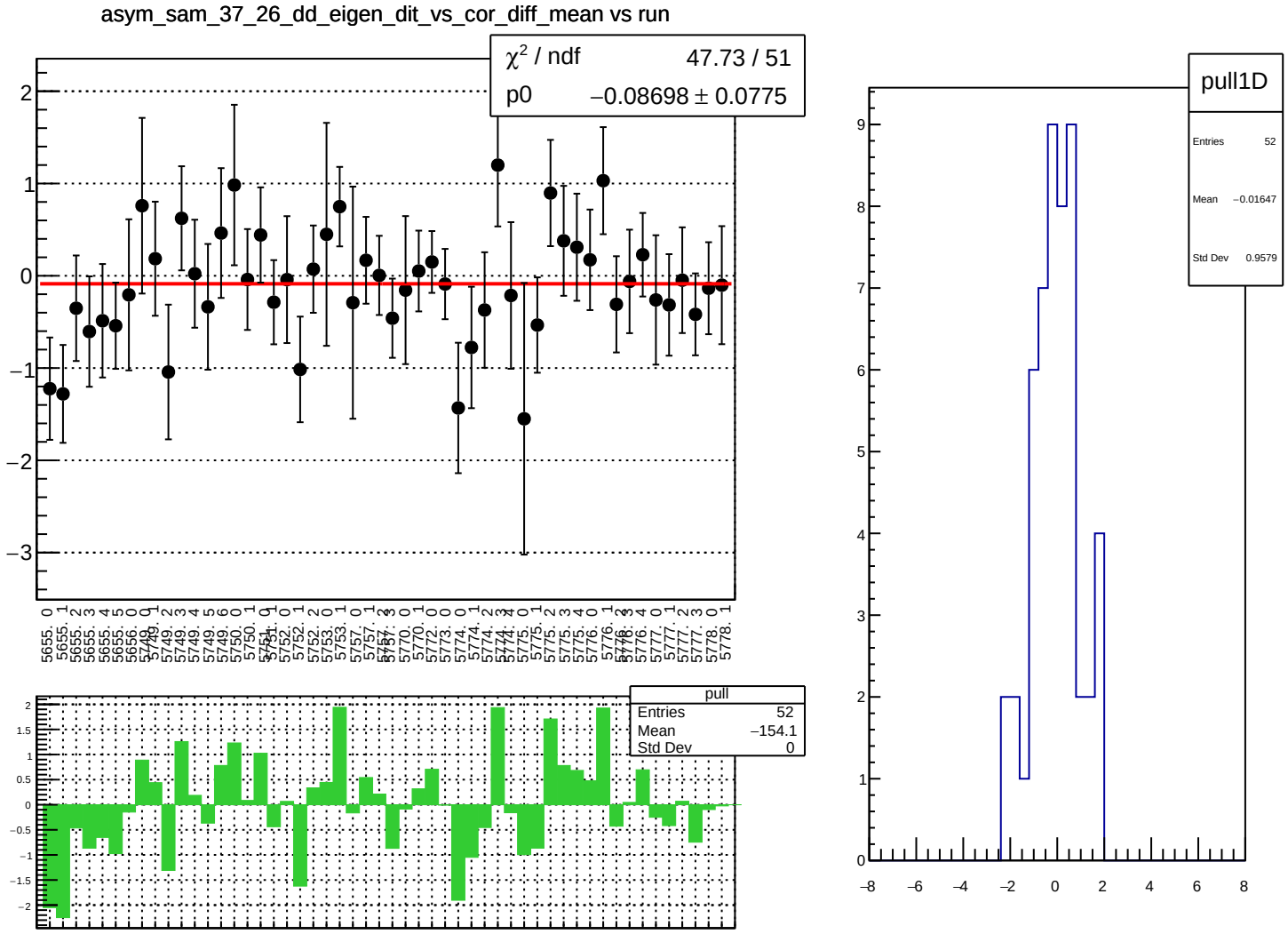
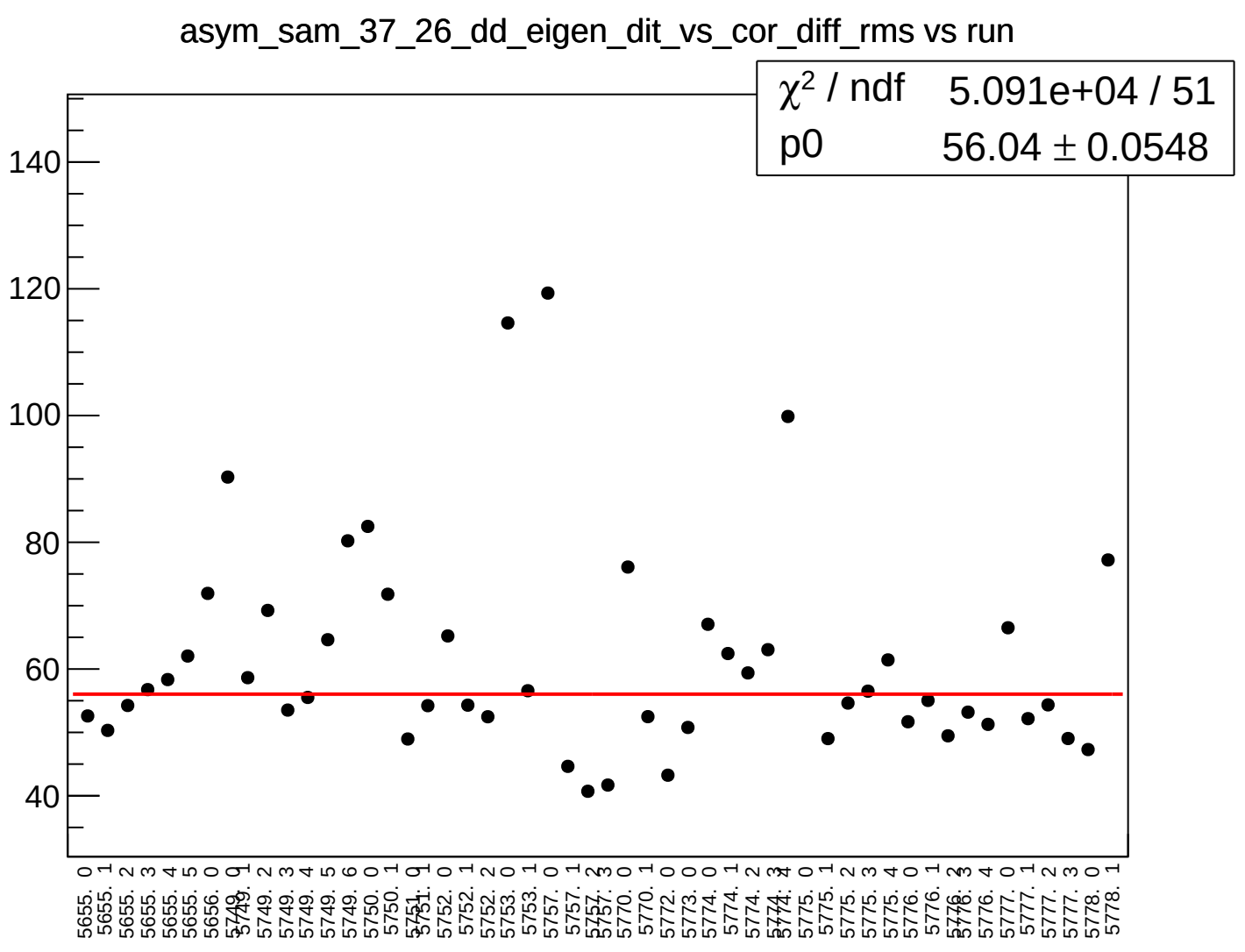
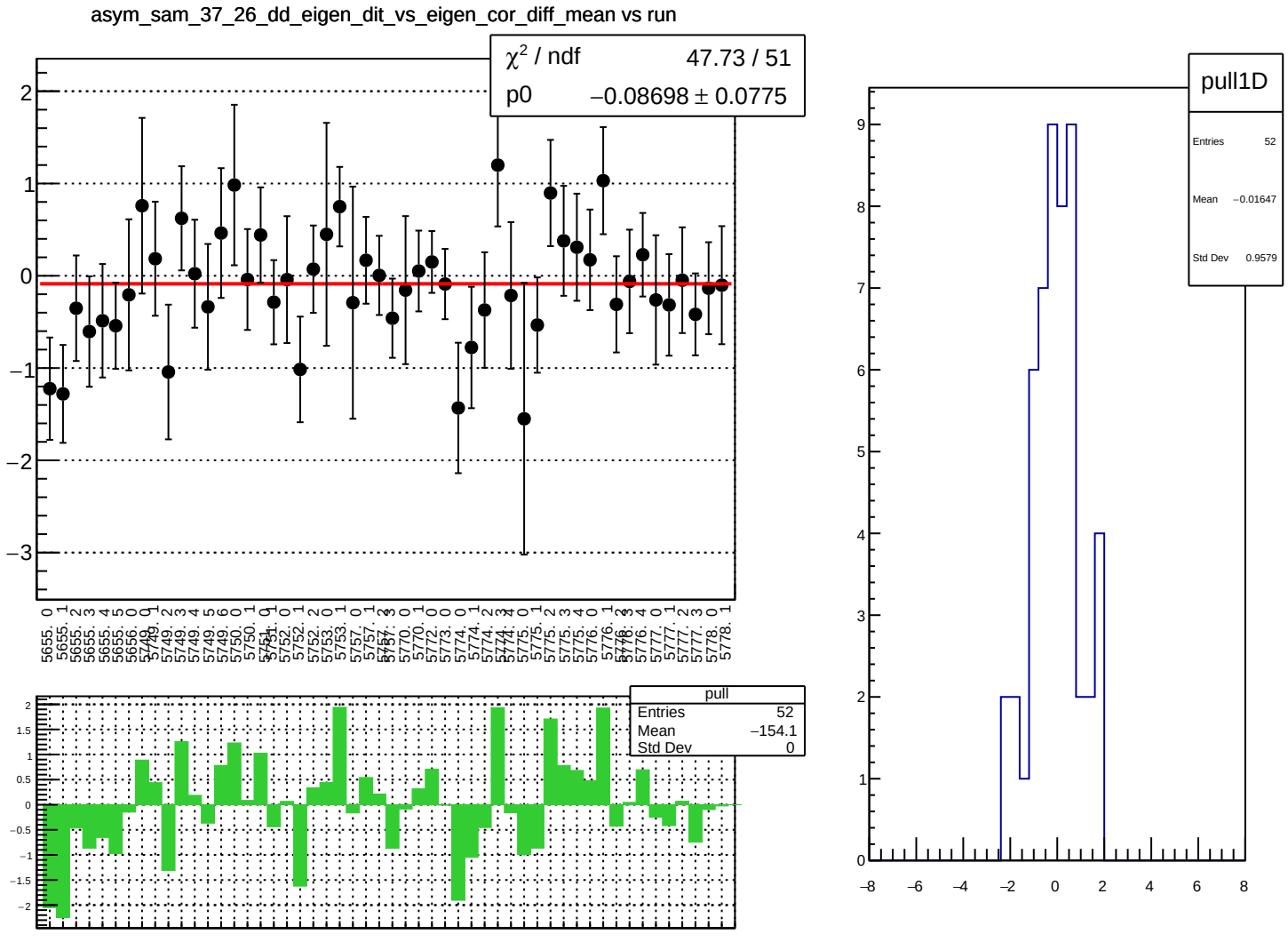
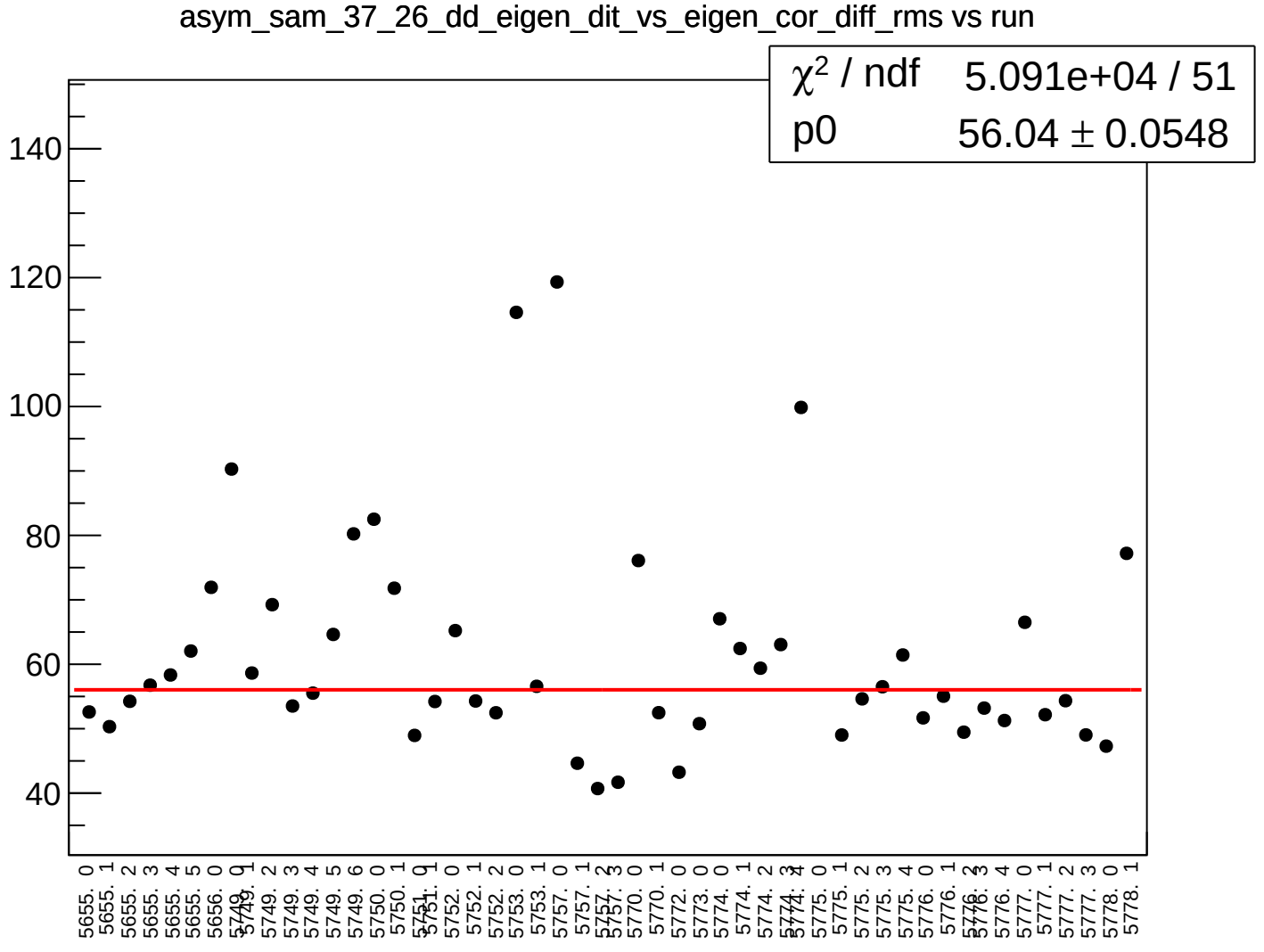
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.73 / 51
p0 −0.08698 ± 0.0775
pull
Entries 52
Mean −154.1
Std Dev 0
pull1D
Entries 52
Mean −0.01647
Std Dev 0.9579


asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.091e+04 / 51
p0 56.04 ± 0.0548
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.73 / 51
p0 −0.08698 ± 0.0775
pull
Entries 52
Mean −154.1
Std Dev 0
pull1D
Entries 52
Mean −0.01647
Std Dev 0.9579


asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.091e+04 / 51
p0 56.04 ± 0.0548
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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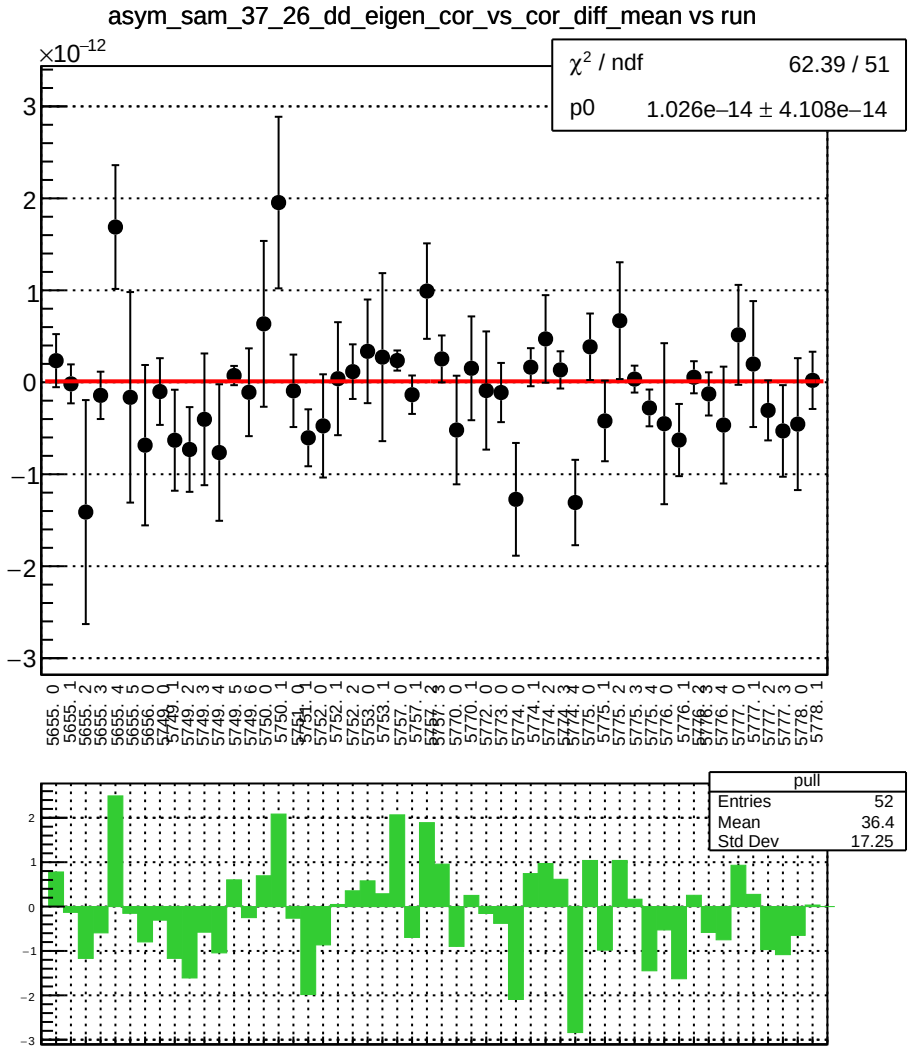
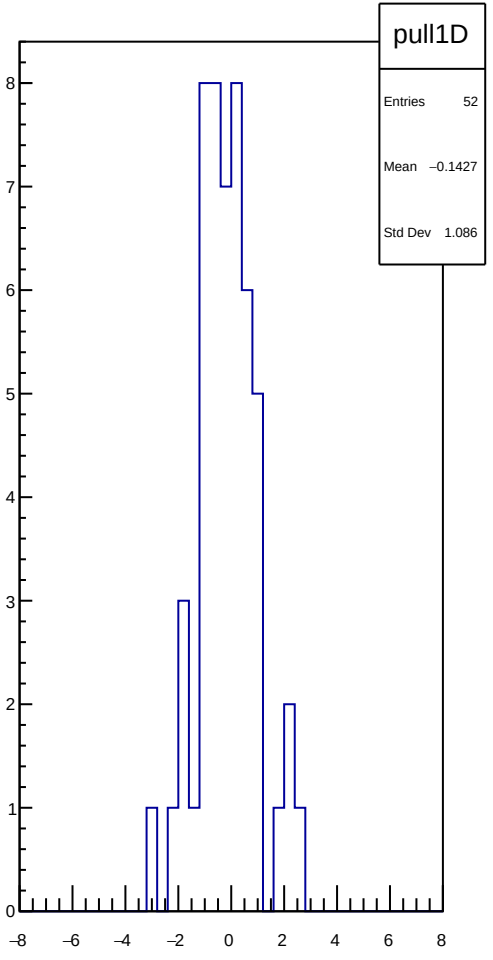
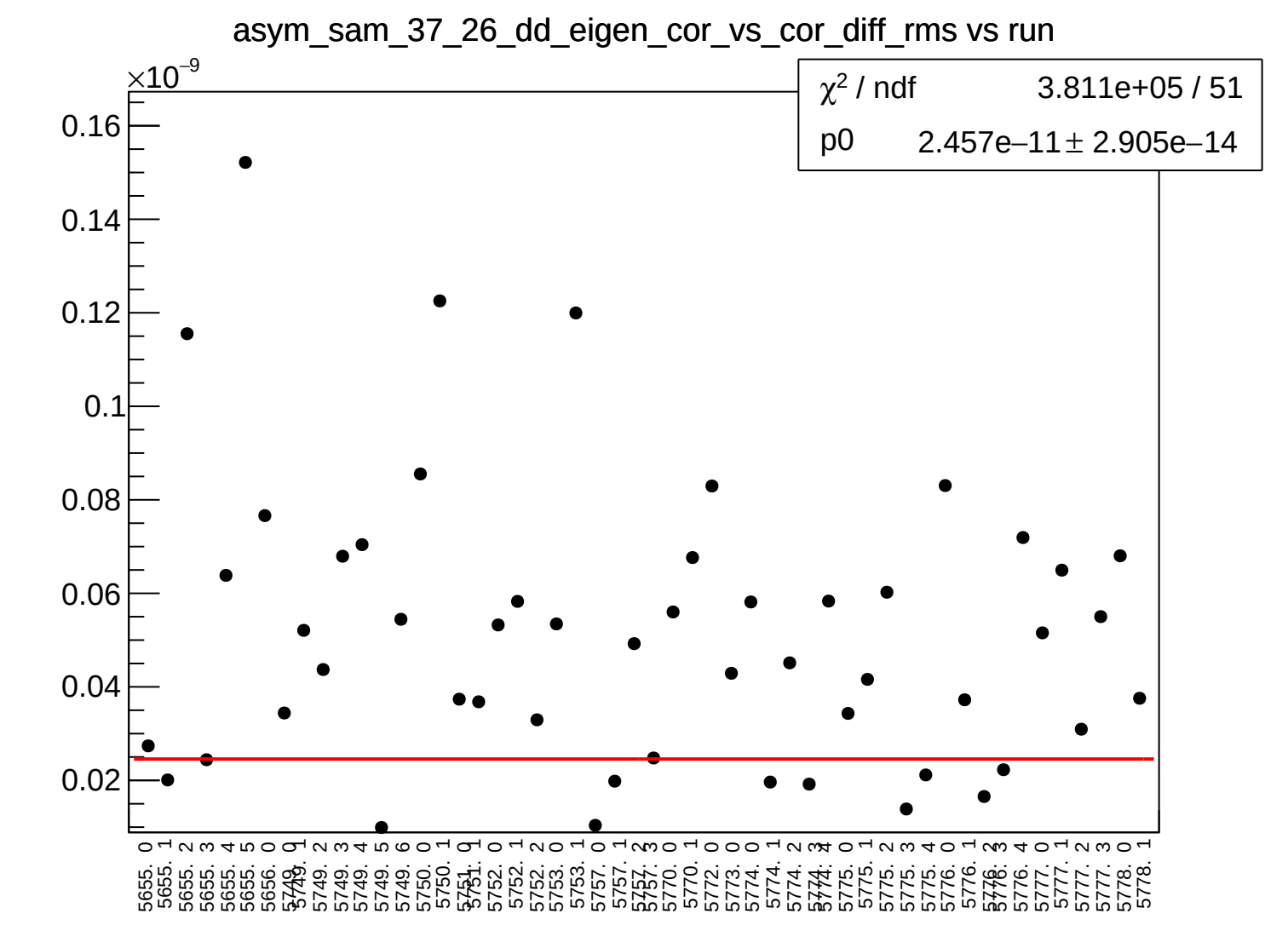
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 62.39 / 51
p0 1.026e−14 ± 4.108e−14
pull
Entries 52
Mean 36.4
Std Dev 17.25


pull1D
Entries 52
Mean −0.1427
Std Dev 1.086


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.811e+05 / 51
p0 2.457e−11 ± 2.905e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
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5773. 0
5774. 0
5774. 1
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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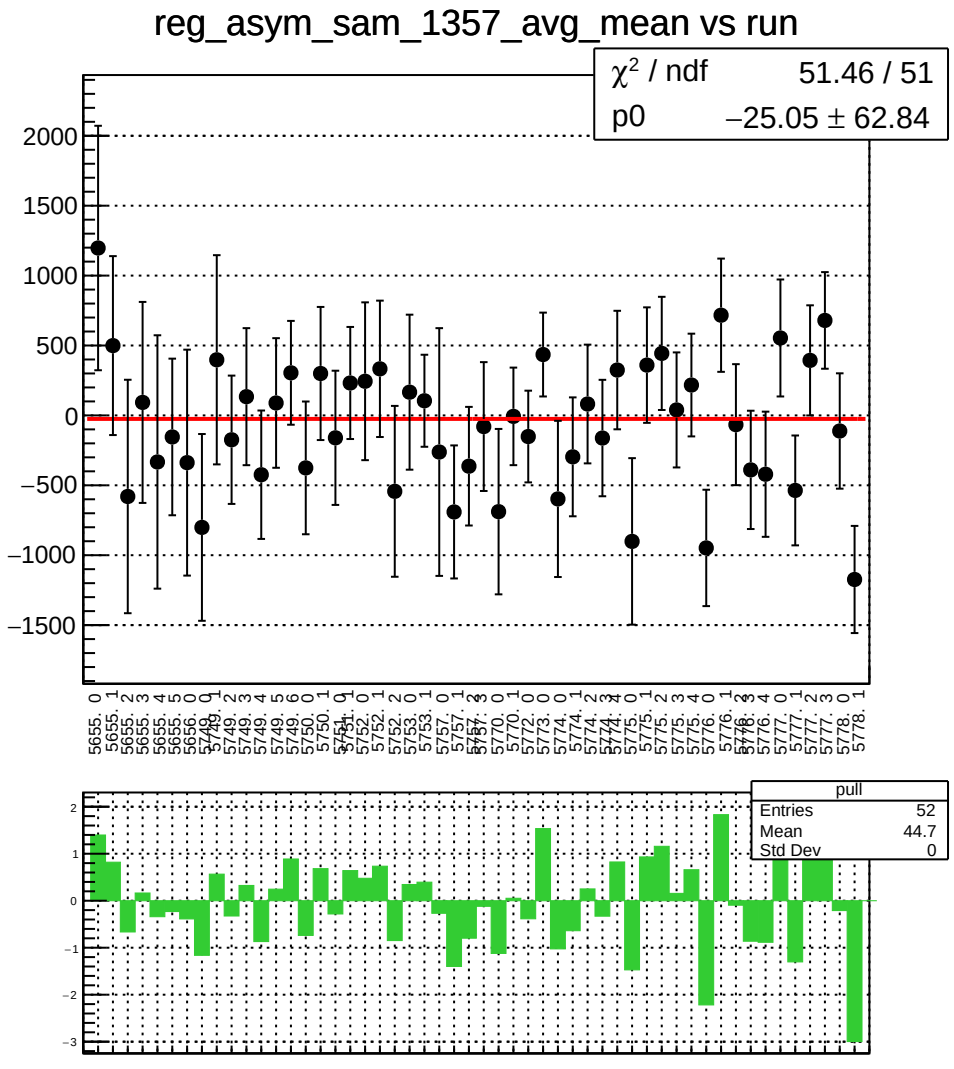
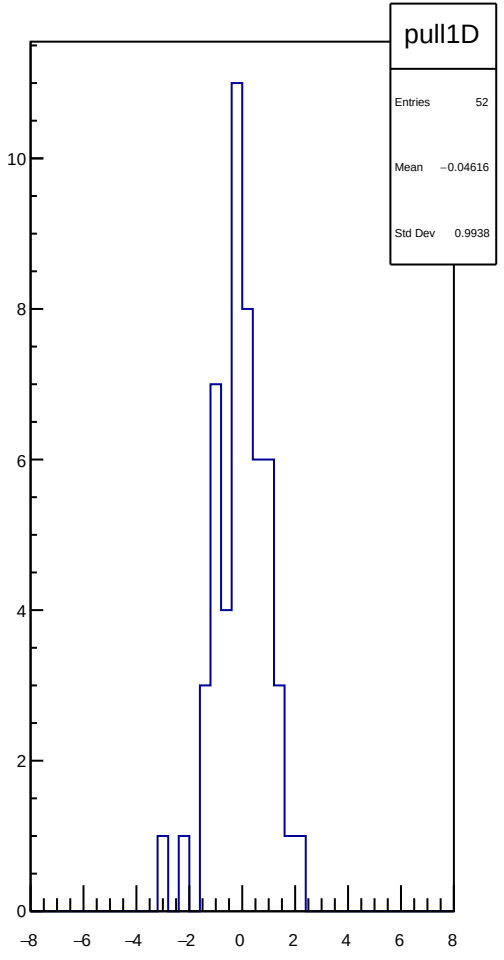
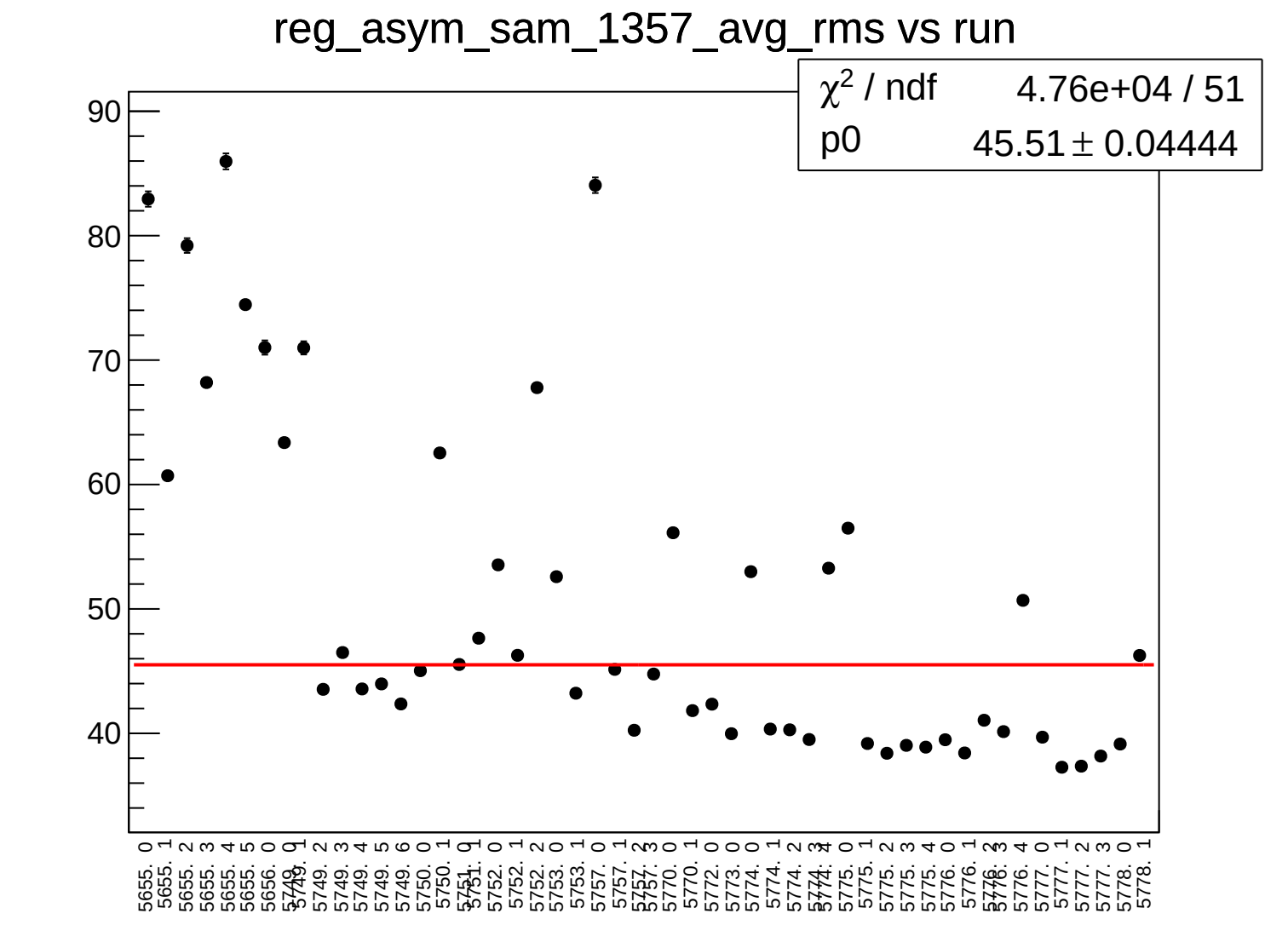
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


reg_asym_sam_1357_avg_mean vs run
χ² / ndf 51.46 / 51
p0 −25.05 ± 62.84
pull
Entries 52
Mean 44.7
Std Dev 0


pull1D
Entries 52
Mean −0.04616
Std Dev 0.9938


reg_asym_sam_1357_avg_rms vs run
χ^2 / ndf 4.76e+04 / 51
p0 45.51 ± 0.04444
90
80
70
60
50
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
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5776. 0
5776. 1
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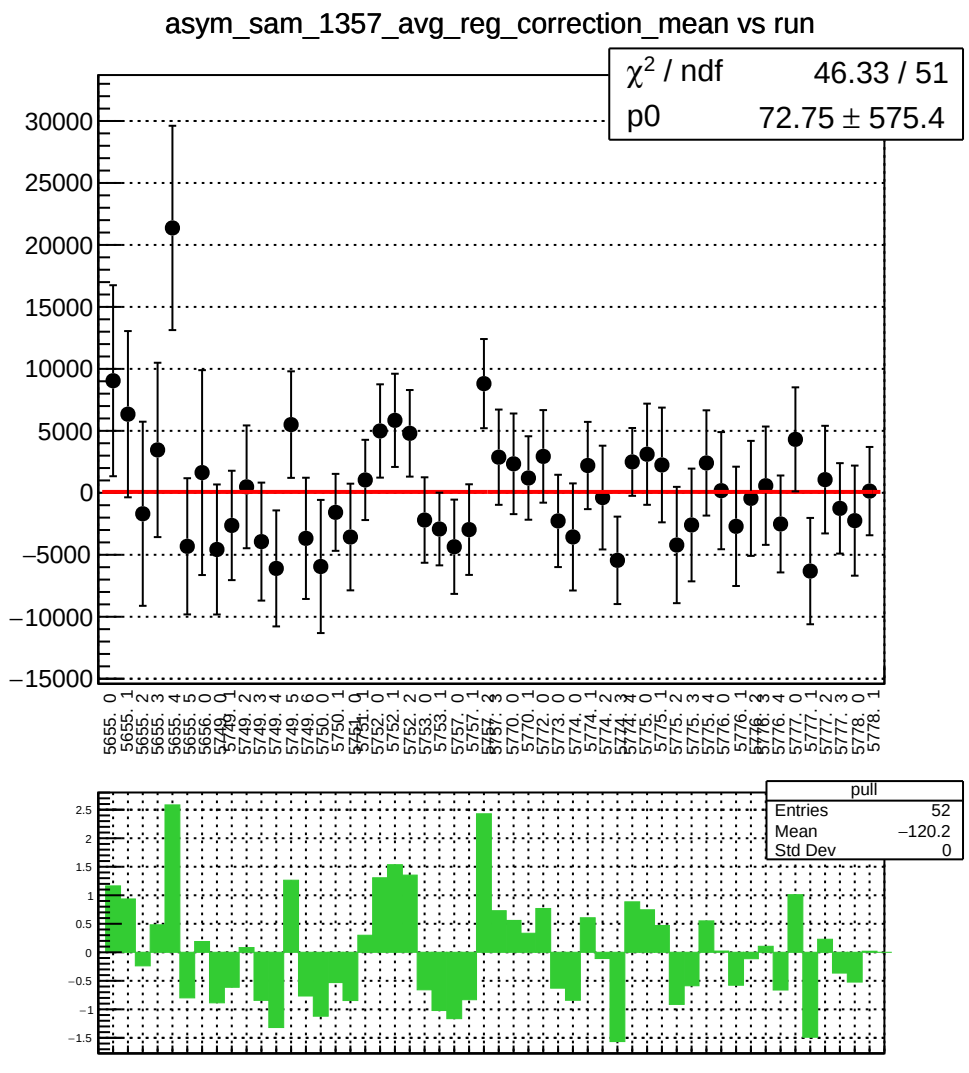
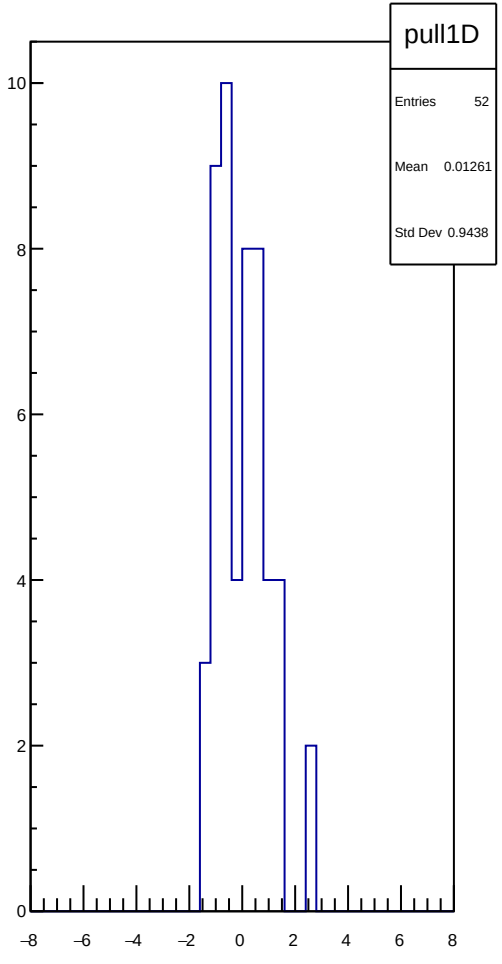
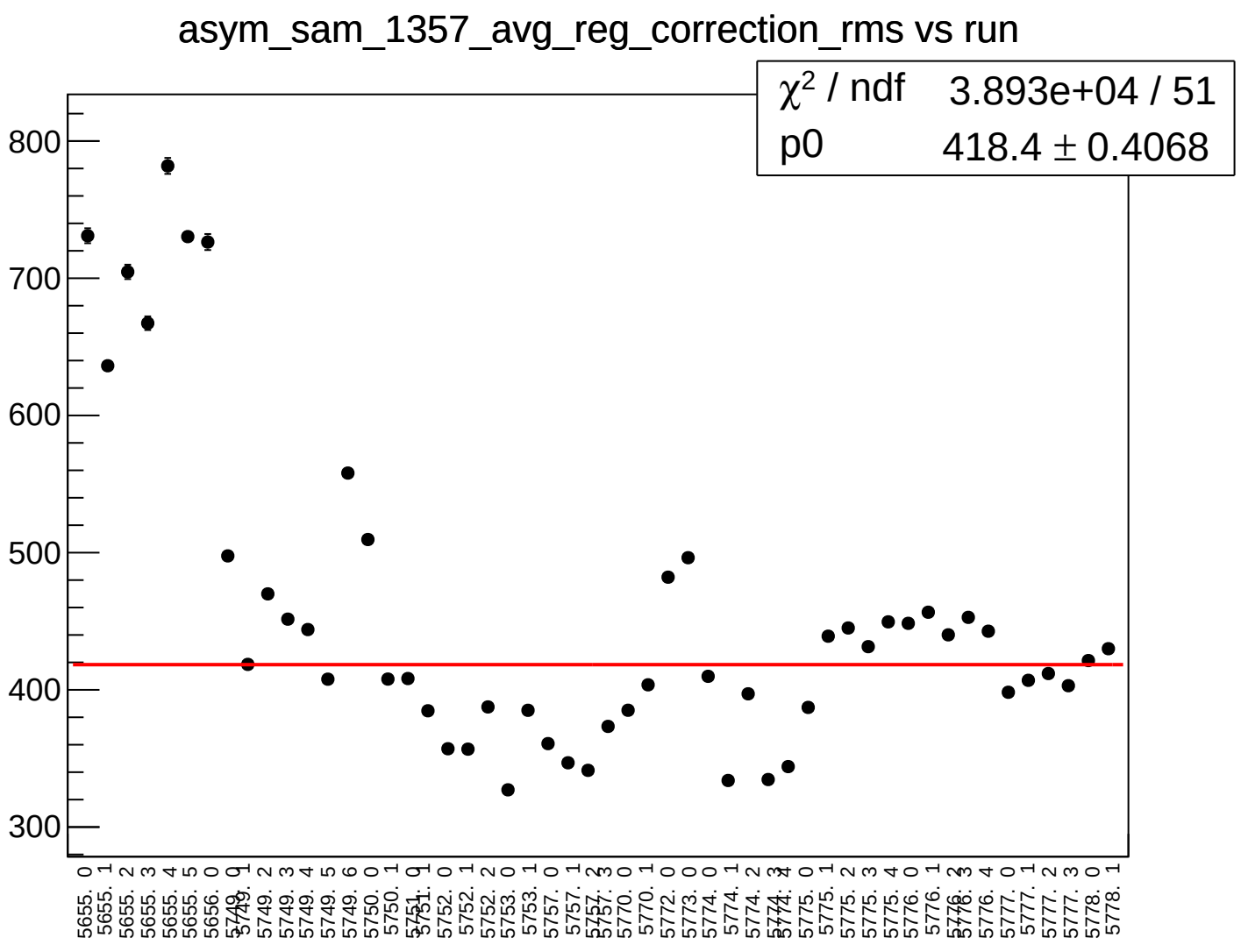
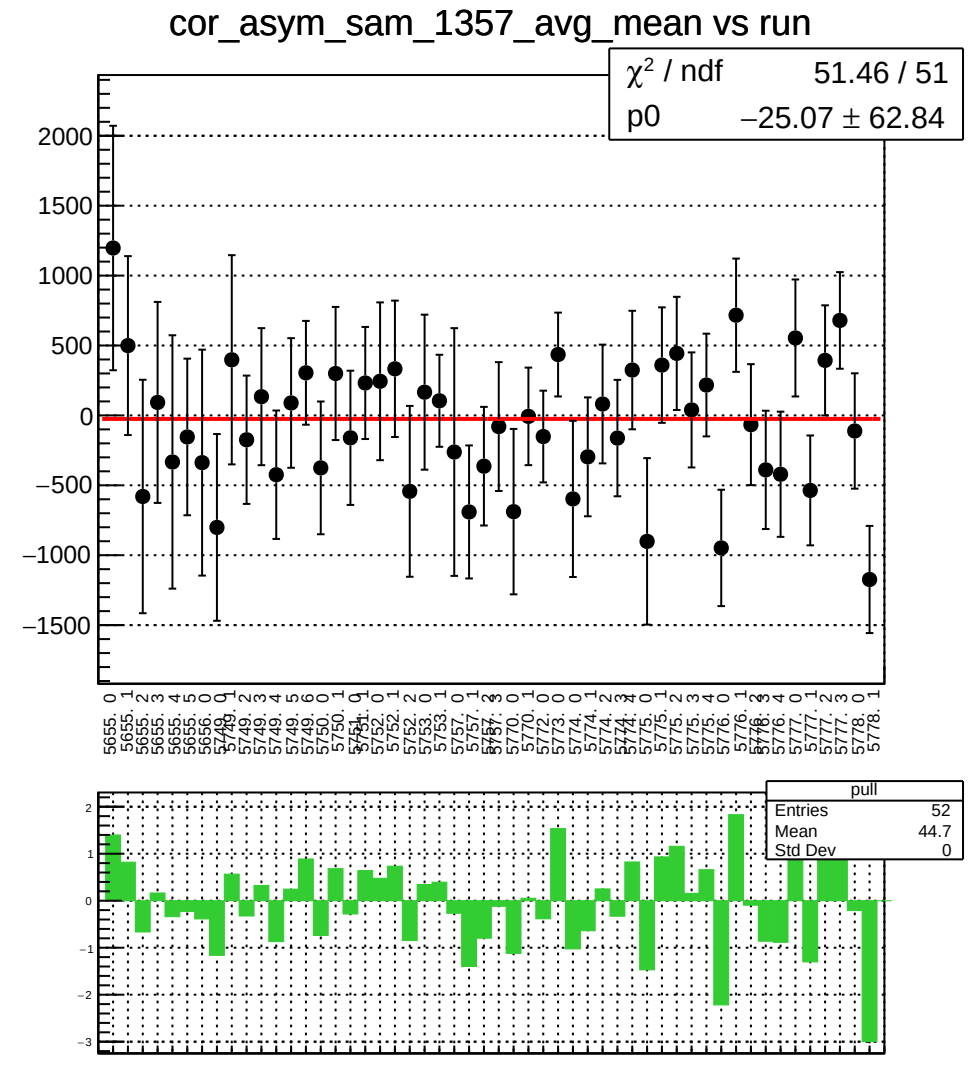
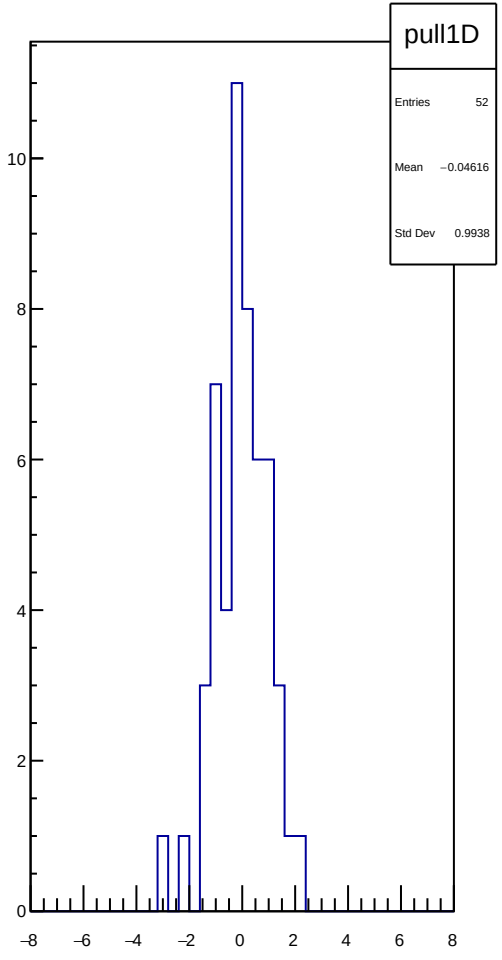
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

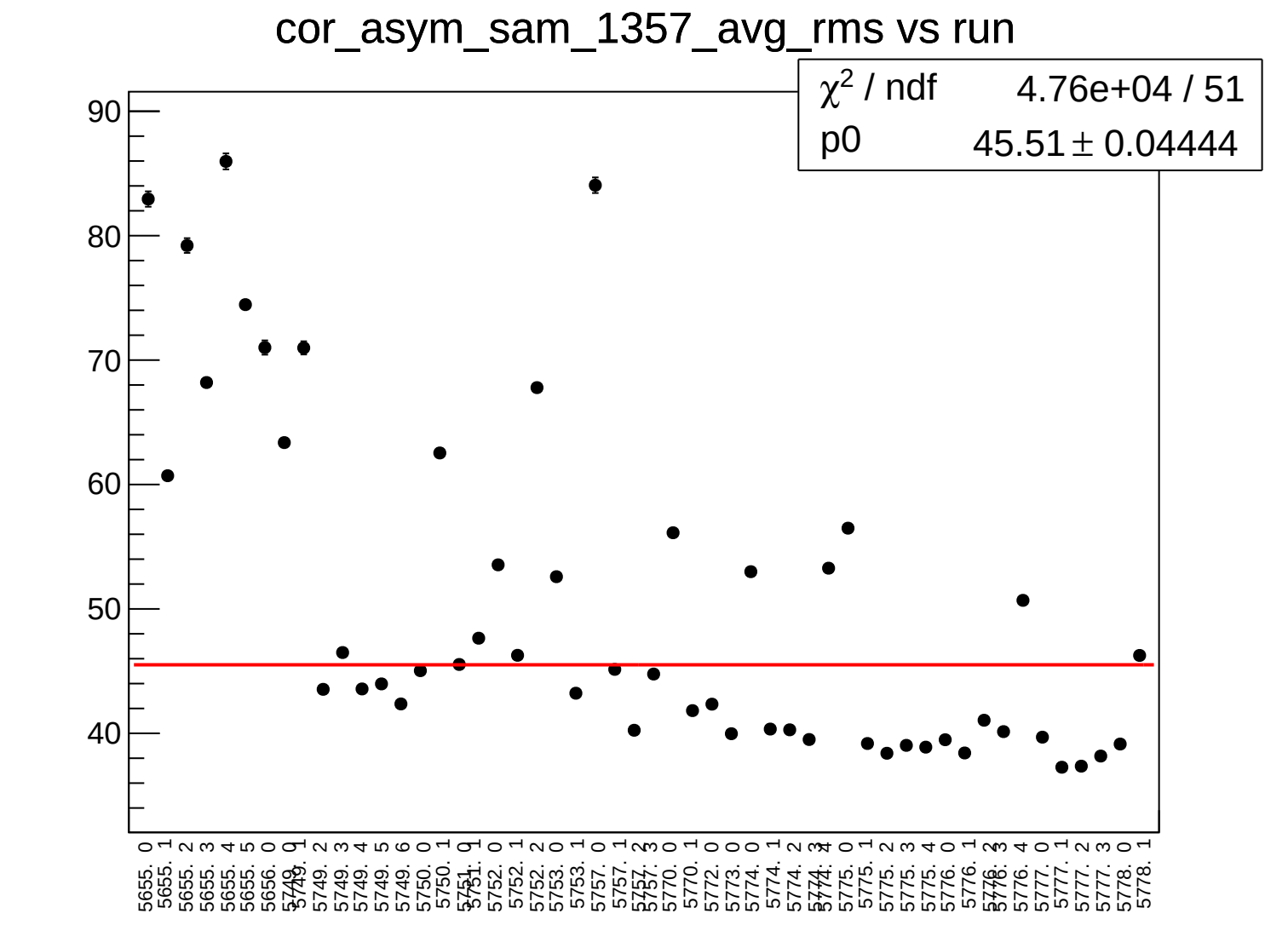

asym_sam_1357_avg_reg_correction_mean vs run
χ² / ndf 46.33 / 51
p0 72.75 ± 575.4
pull
Entries 52
Mean −120.2
Std Dev 0


pull1D
Entries 52
Mean 0.01261
Std Dev 0.9438


asym_sam_1357_avg_reg_correction_rms vs run
χ² / ndf 3.893e+04 / 51
p0 418.4 ± 0.4068
800
700
600
500
400
300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_sam_1357_avg_mean vs run
χ² / ndf 51.46 / 51
p0 −25.07 ± 62.84
pull
Entries 52
Mean 44.7
Std Dev 0


pull1D
Entries 52
Mean −0.04616
Std Dev 0.9938


cor_asym_sam_1357_avg_rms vs run
χ^2 / ndf 4.76e+04 / 51
p0 45.51 ± 0.04444
90
80
70
60
50
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
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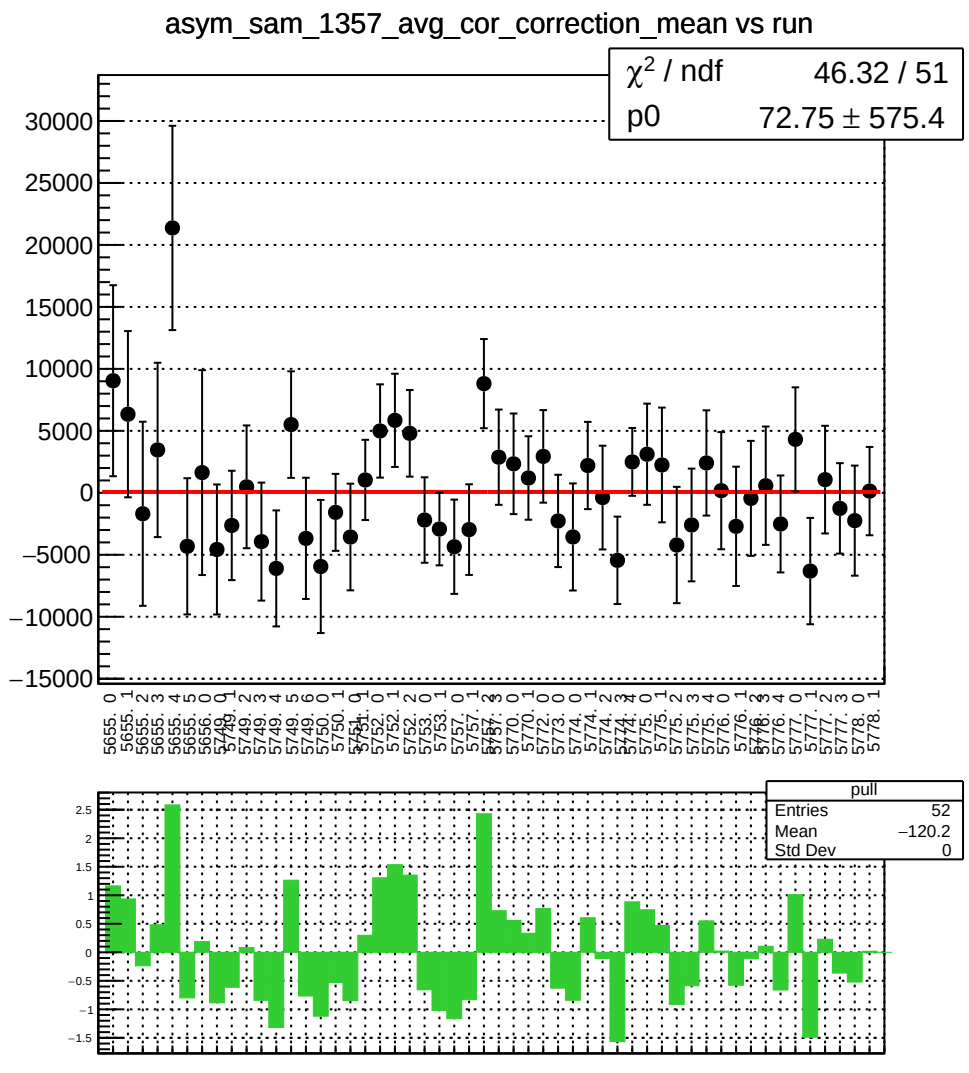
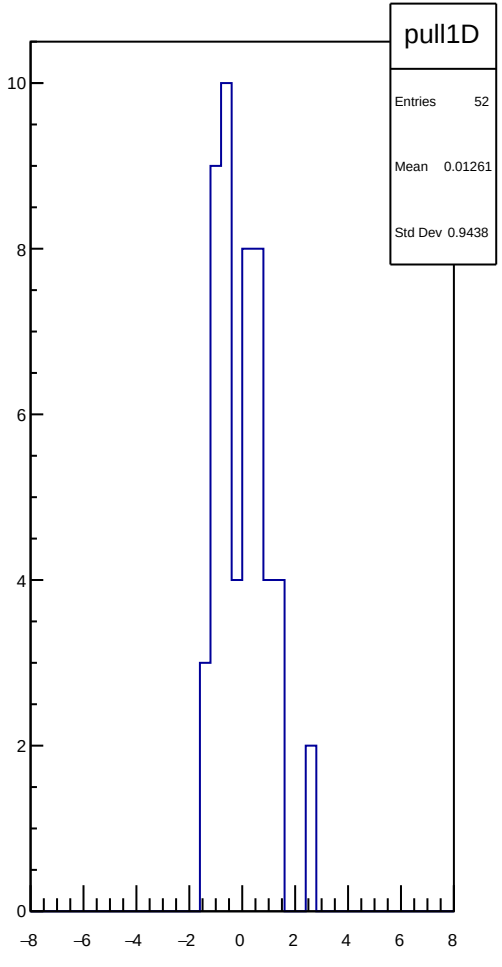
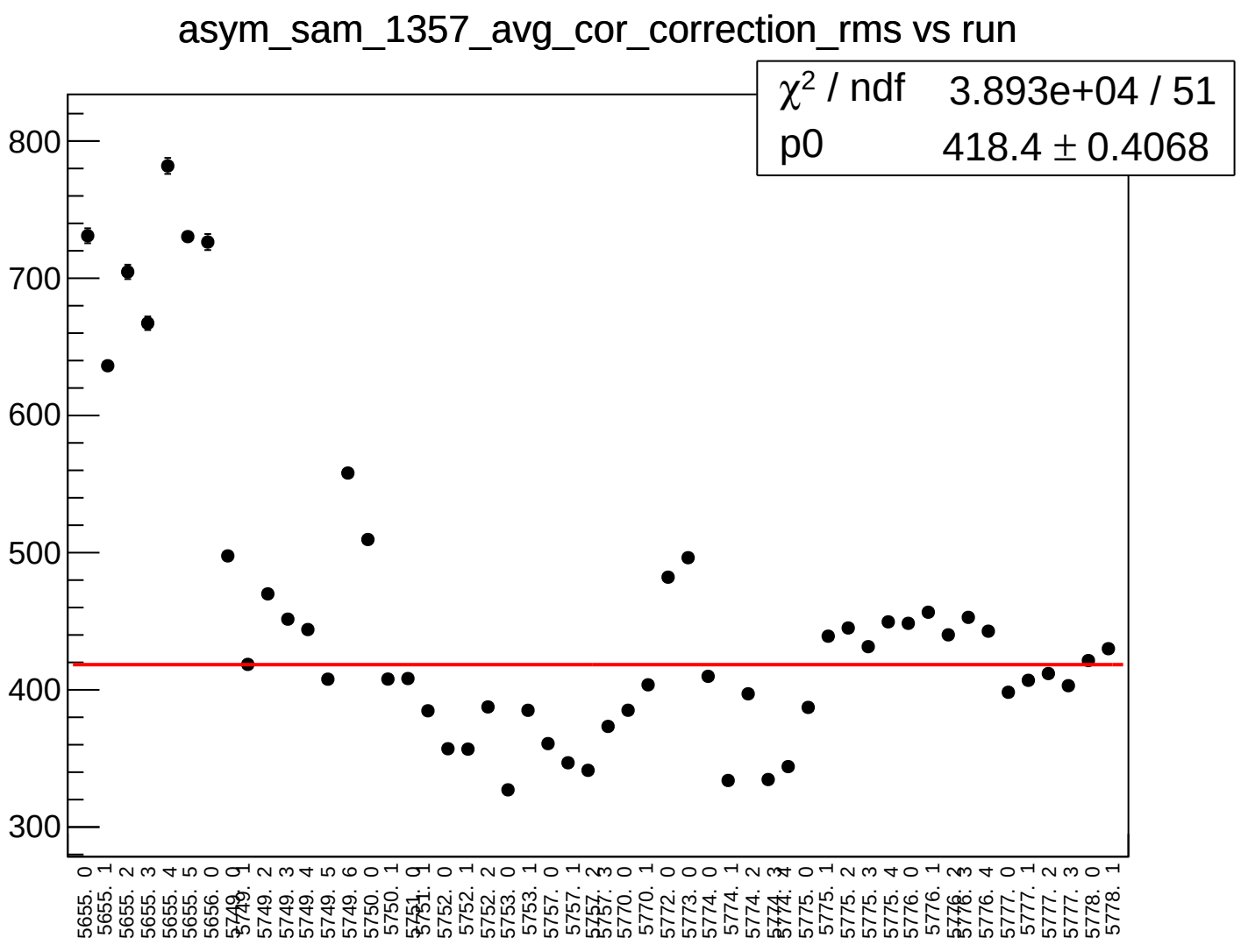
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_1357_avg_cor_correction_mean vs run
χ² / ndf 46.32 / 51
p0 72.75 ± 575.4
pull
Entries 52
Mean −120.2
Std Dev 0


pull1D
Entries 52
Mean 0.01261
Std Dev 0.9438


asym_sam_1357_avg_cor_correction_rms vs run
χ² / ndf 3.893e+04 / 51
p0 418.4 ± 0.4068
800
700
600
500
400
300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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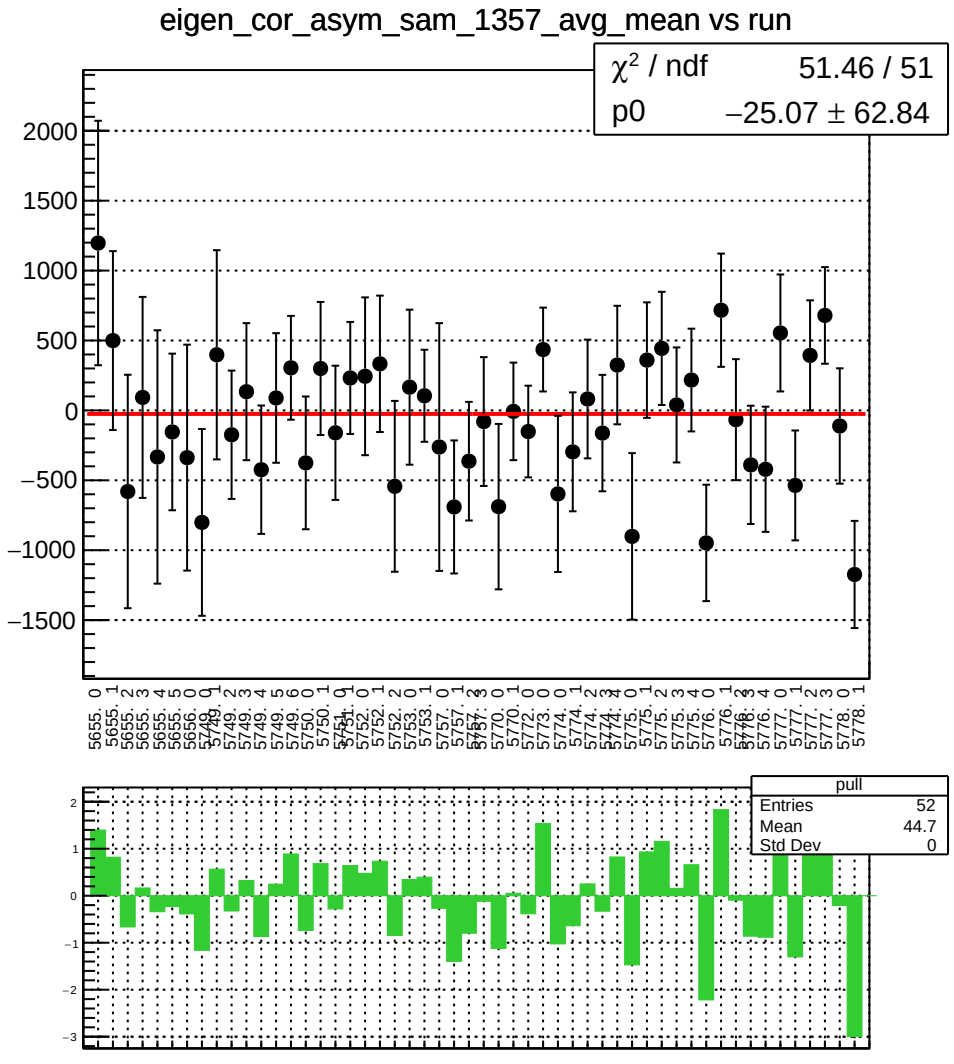
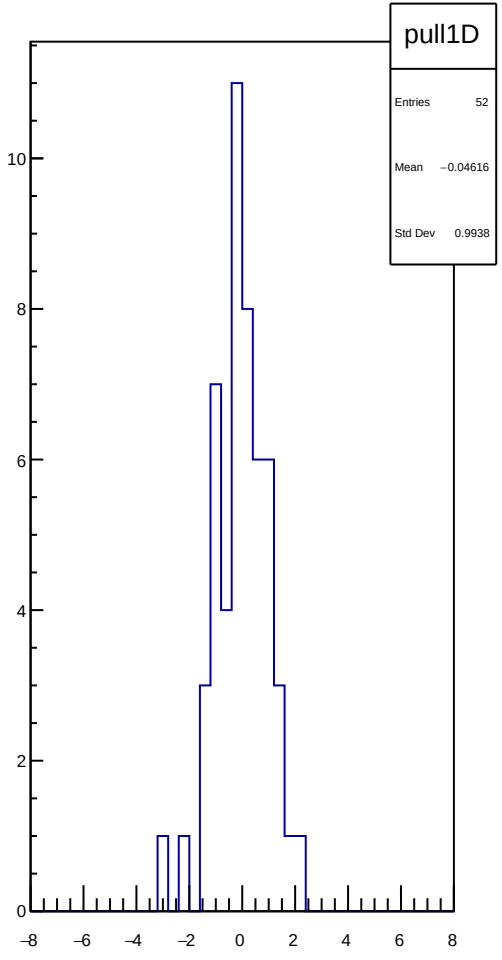
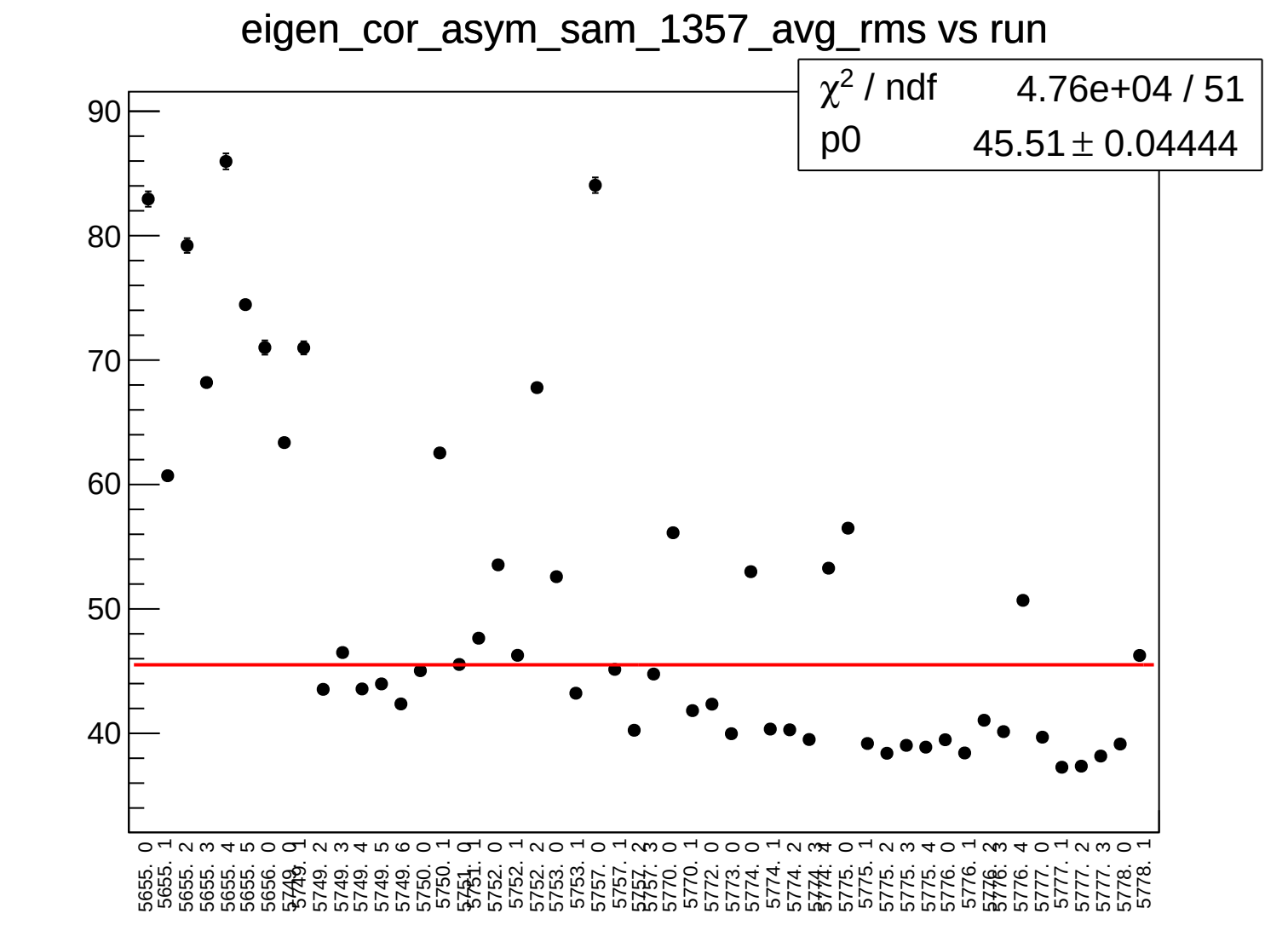
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


eigen_cor_asym_sam_1357_avg_mean vs run
χ² / ndf 51.46 / 51
p0 −25.07 ± 62.84
pull
Entries 52
Mean 44.7
Std Dev 0


pull1D
Entries 52
Mean −0.04616
Std Dev 0.9938


eigen_cor_asym_sam_1357_avg_rms vs run
χ^2 / ndf 4.76e+04 / 51
p0 45.51 ± 0.04444
90
80
70
60
50
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
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5774. 4
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5775. 2
5775. 3
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5776. 0
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5777. 0
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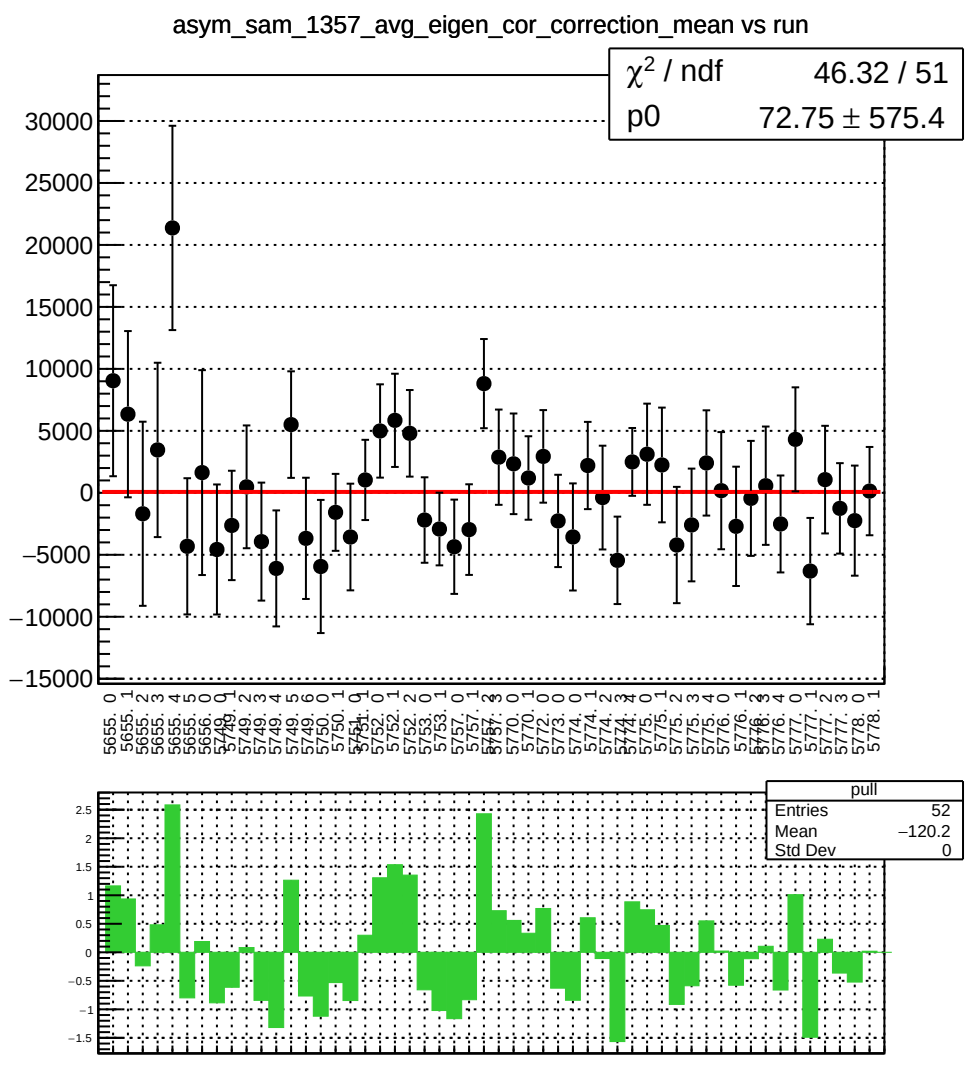
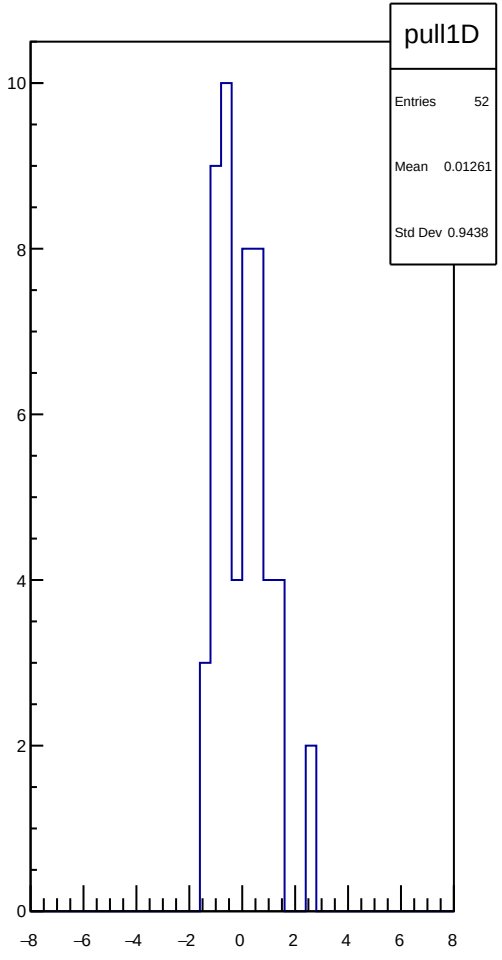
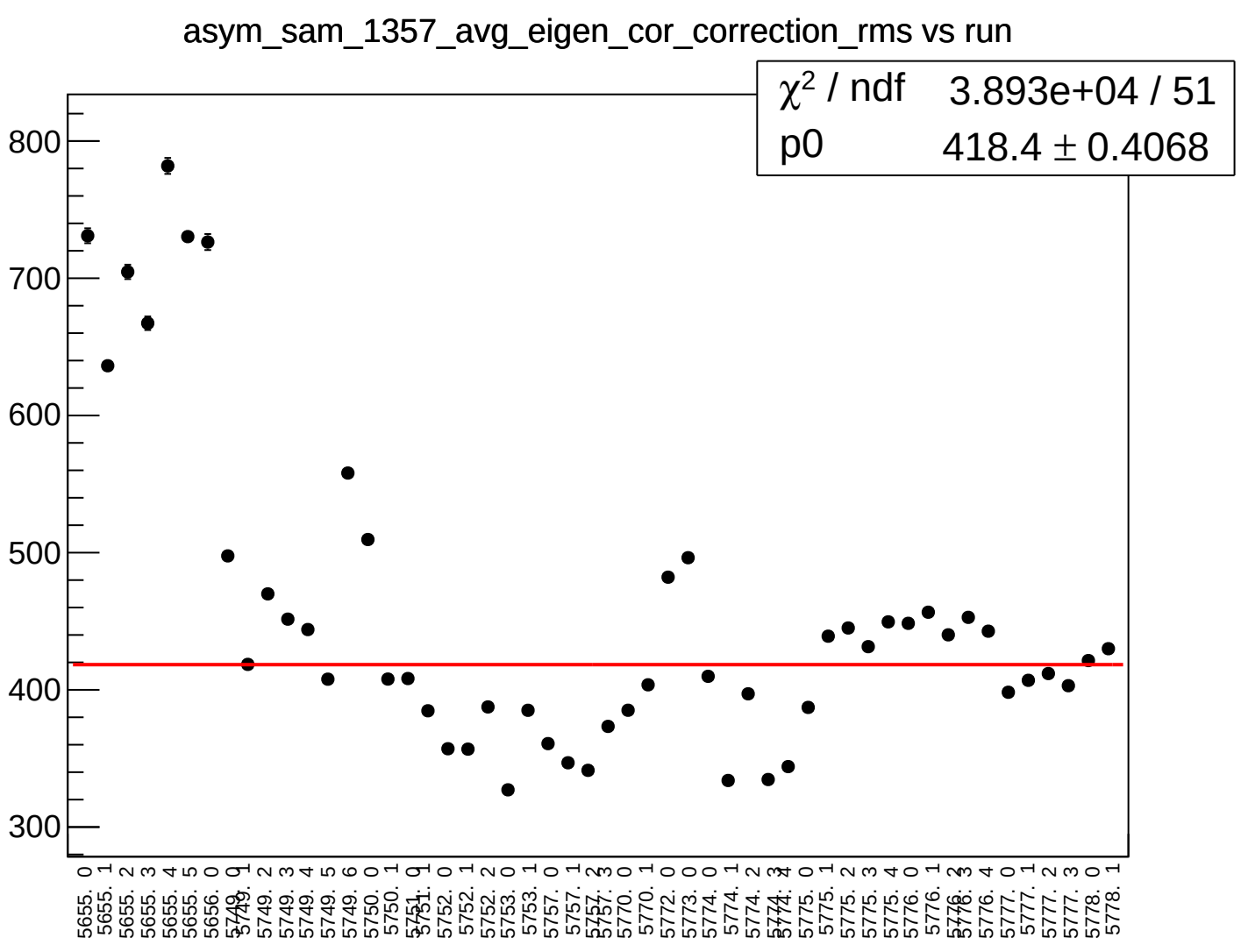
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_1357_avg_eigen_cor_correction_mean vs run
χ² / ndf 46.32 / 51
p0 72.75 ± 575.4
pull
Entries 52
Mean −120.2
Std Dev 0


pull1D
Entries 52
Mean 0.01261
Std Dev 0.9438


asym_sam_1357_avg_eigen_cor_correction_rms vs run
χ² / ndf 3.893e+04 / 51
p0 418.4 ± 0.4068
800
700
600
500
400
300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
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5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
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5775. 4
5776. 0
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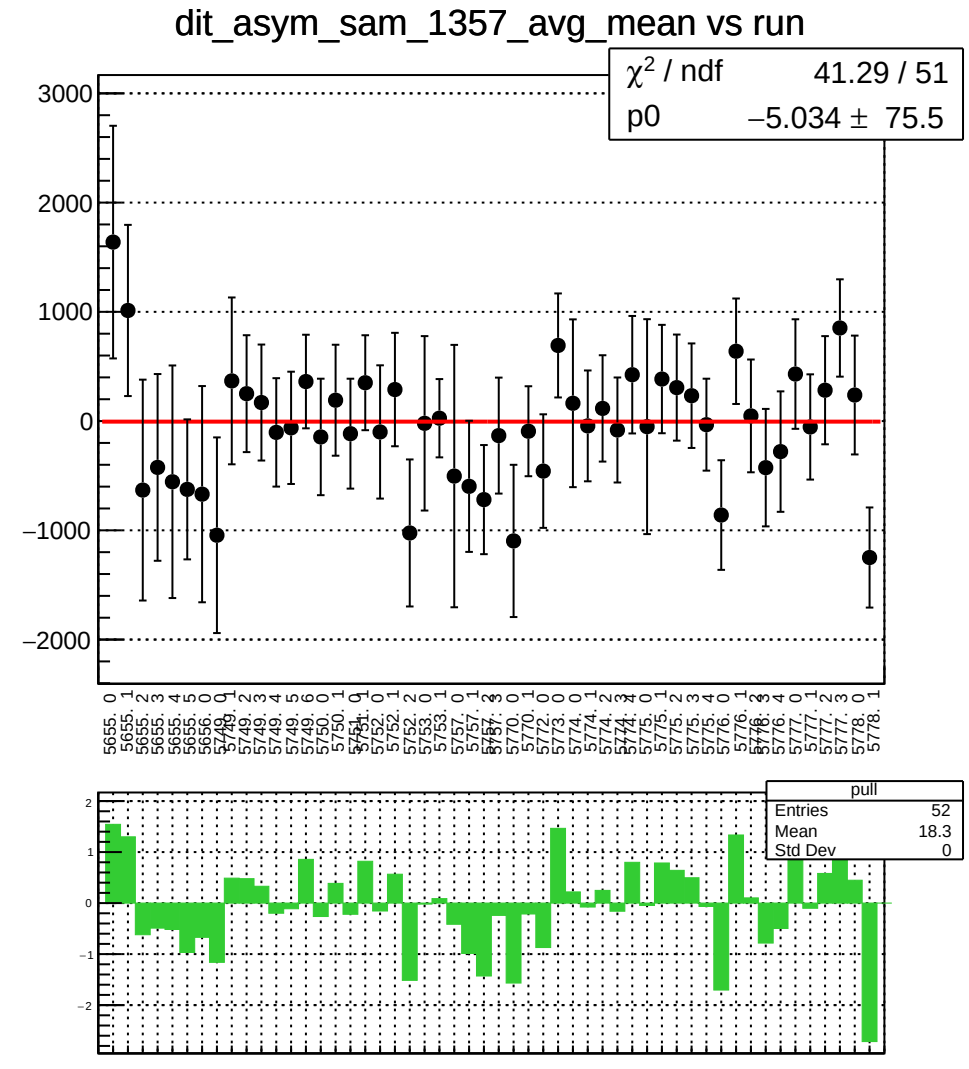
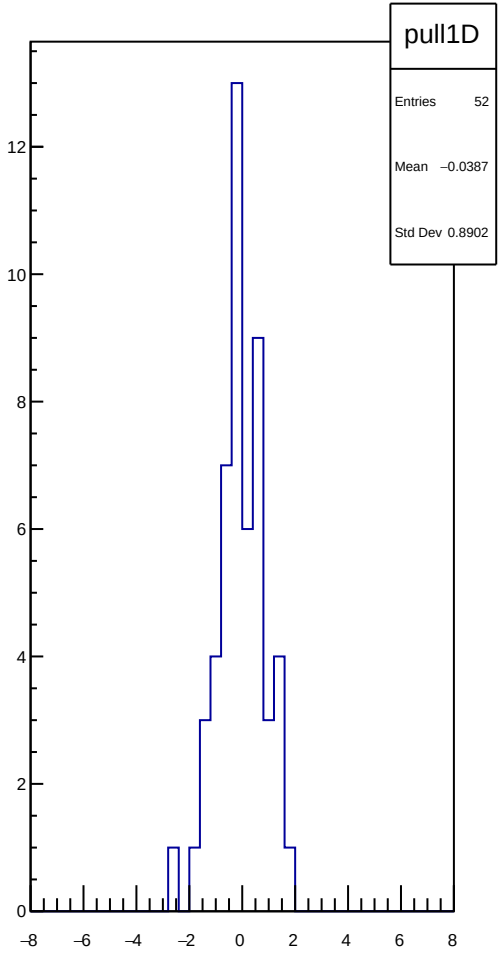
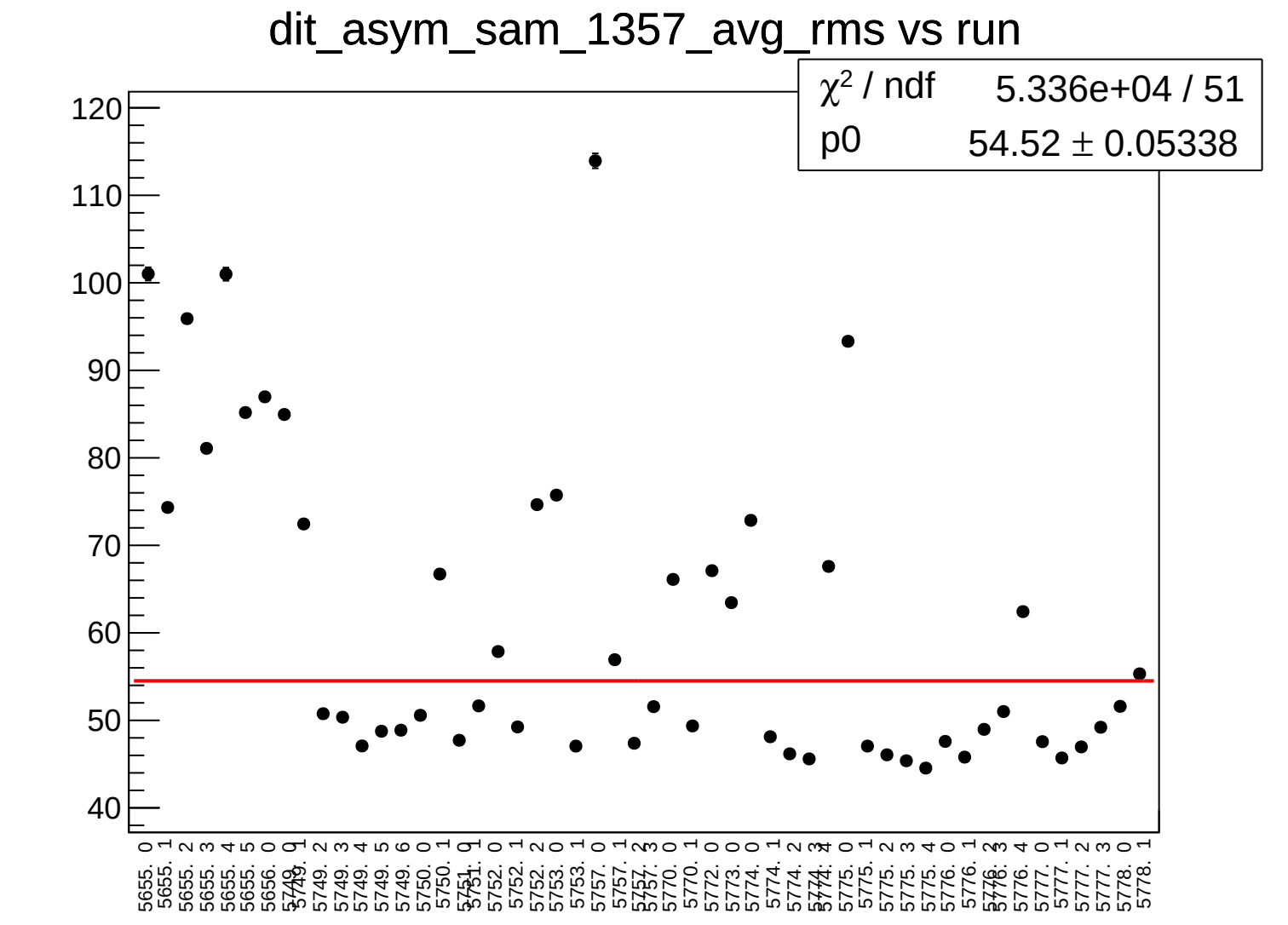
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


dit_asym_sam_1357_avg_mean vs run
χ² / ndf 41.29 / 51
p0 −5.034 ± 75.5
3000
2000
1000
0
−1000
−2000
pull
Entries 52
Mean 18.3
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 52
Mean −0.0387
Std Dev 0.8902
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 5.336e+04 / 51
p0 54.52 ± 0.05338
120
110
100
90
80
70
60
50
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
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5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
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5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
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5770. 1
5772. 0
5773. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
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5777. 2
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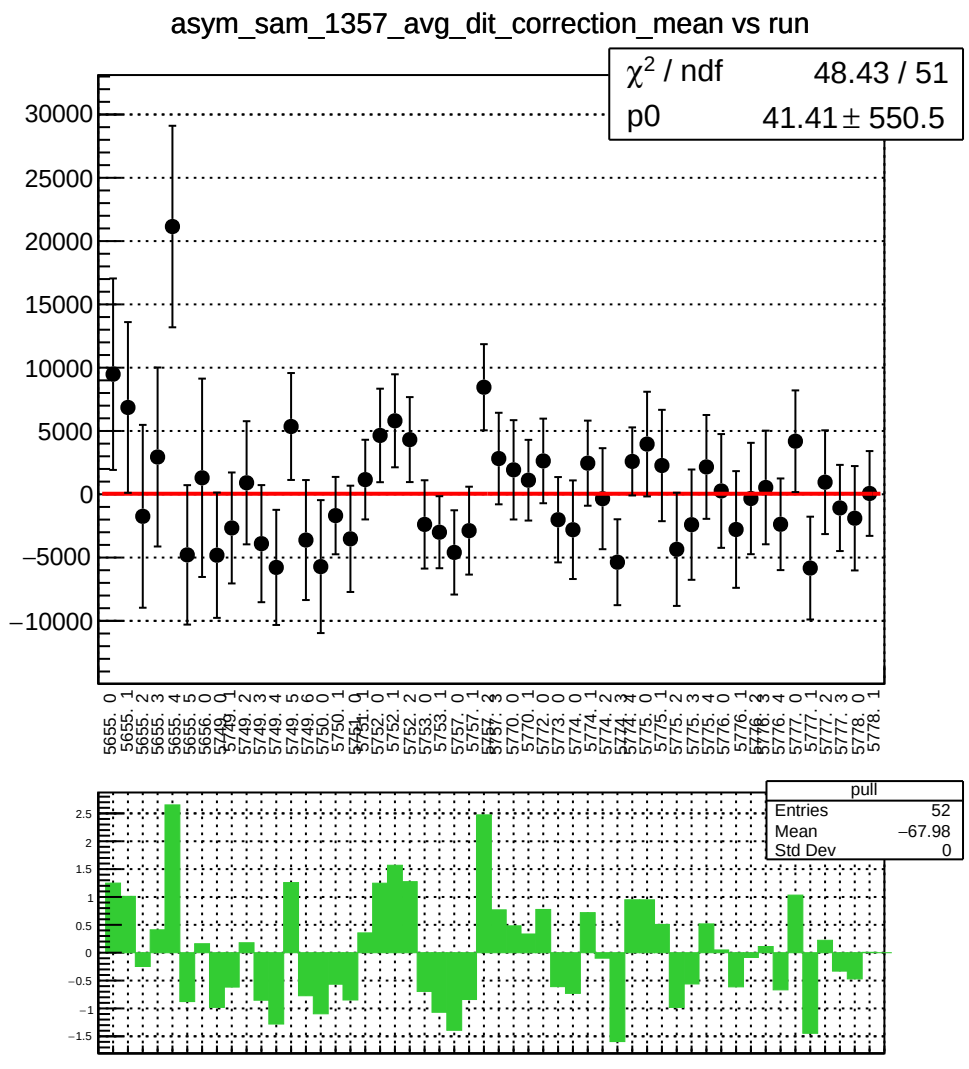
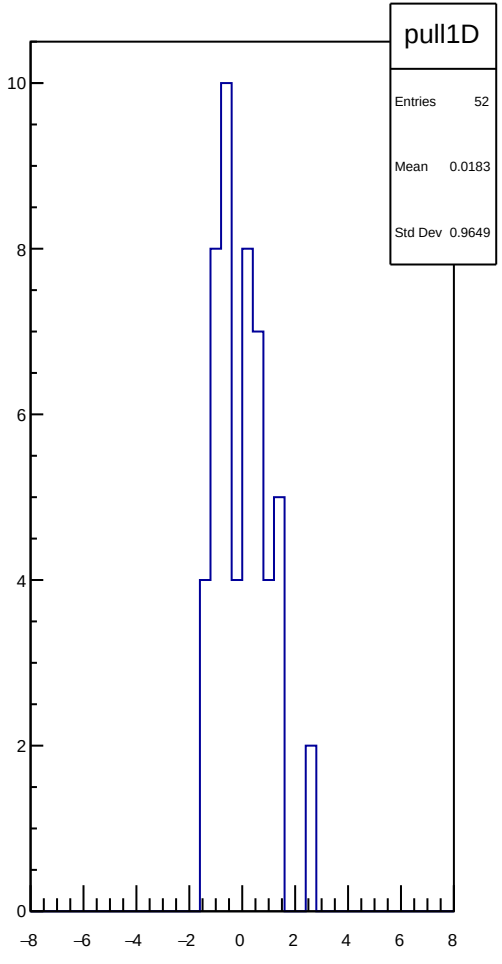
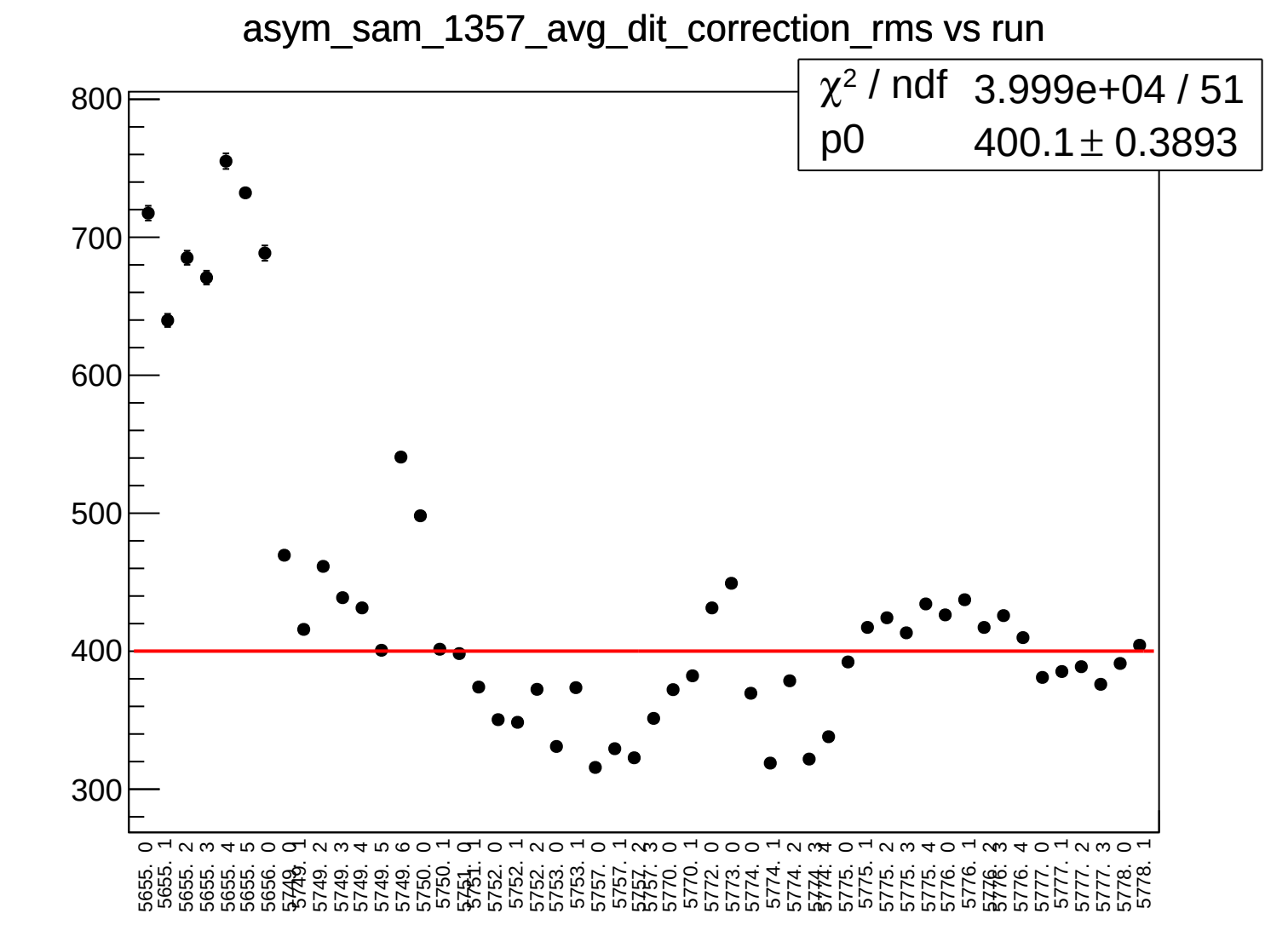
5778. 0
5778. 1


asym_sam_1357_avg_dit_correction_mean vs run
χ² / ndf 48.43 / 51
p0 41.41 ± 550.5
pull
Entries 52
Mean −67.98
Std Dev 0


pull1D
Entries 52
Mean 0.0183
Std Dev 0.9649


asym_sam_1357_avg_dit_correction_rms vs run
χ² / ndf 3.999e+04 / 51
p0 400.1 ± 0.3893
800
700
600
500
400
300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
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5774. 1
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5774. 3
5774. 4
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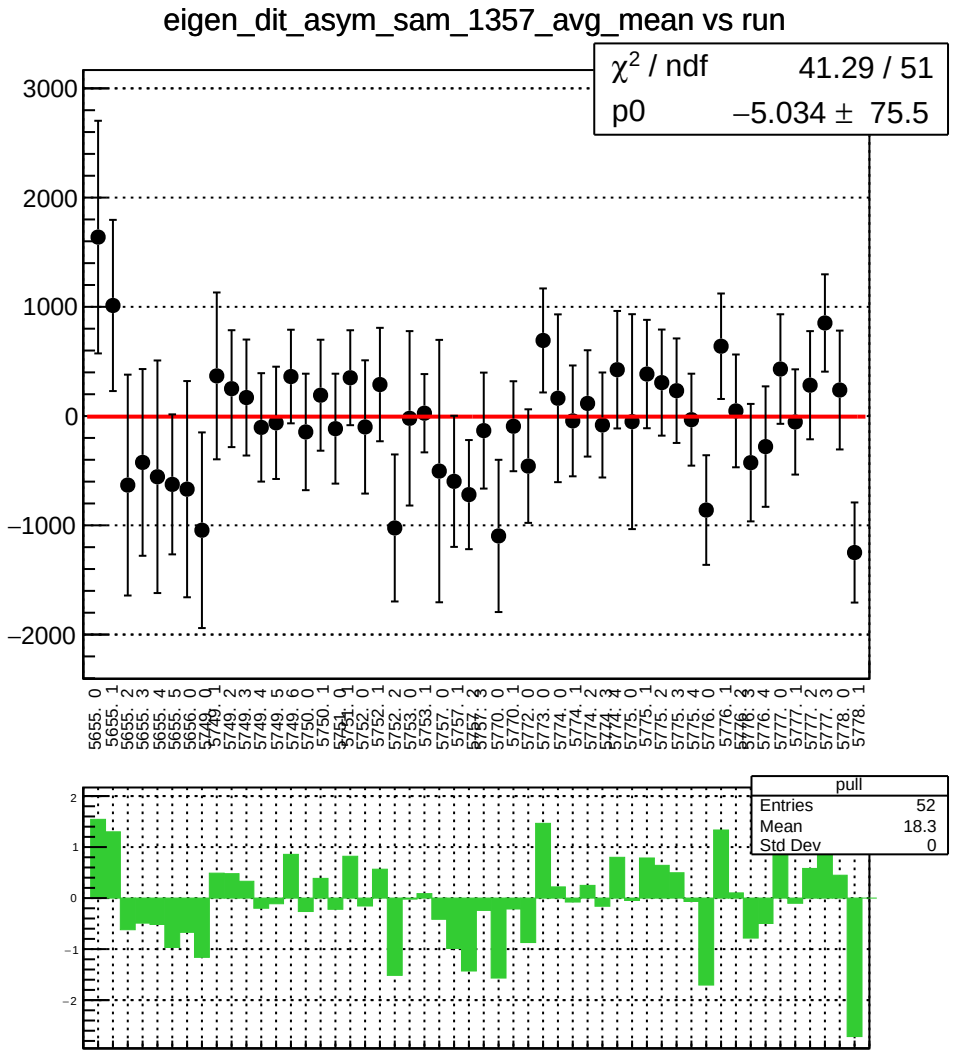
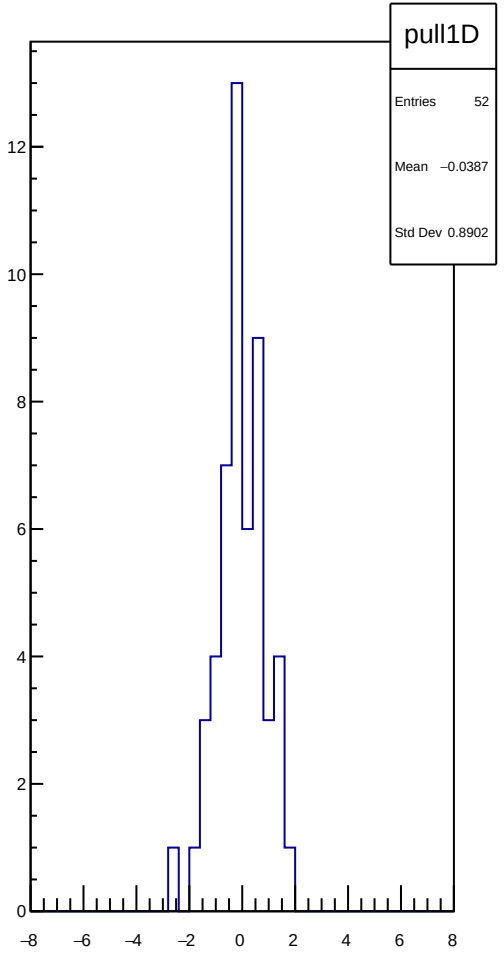
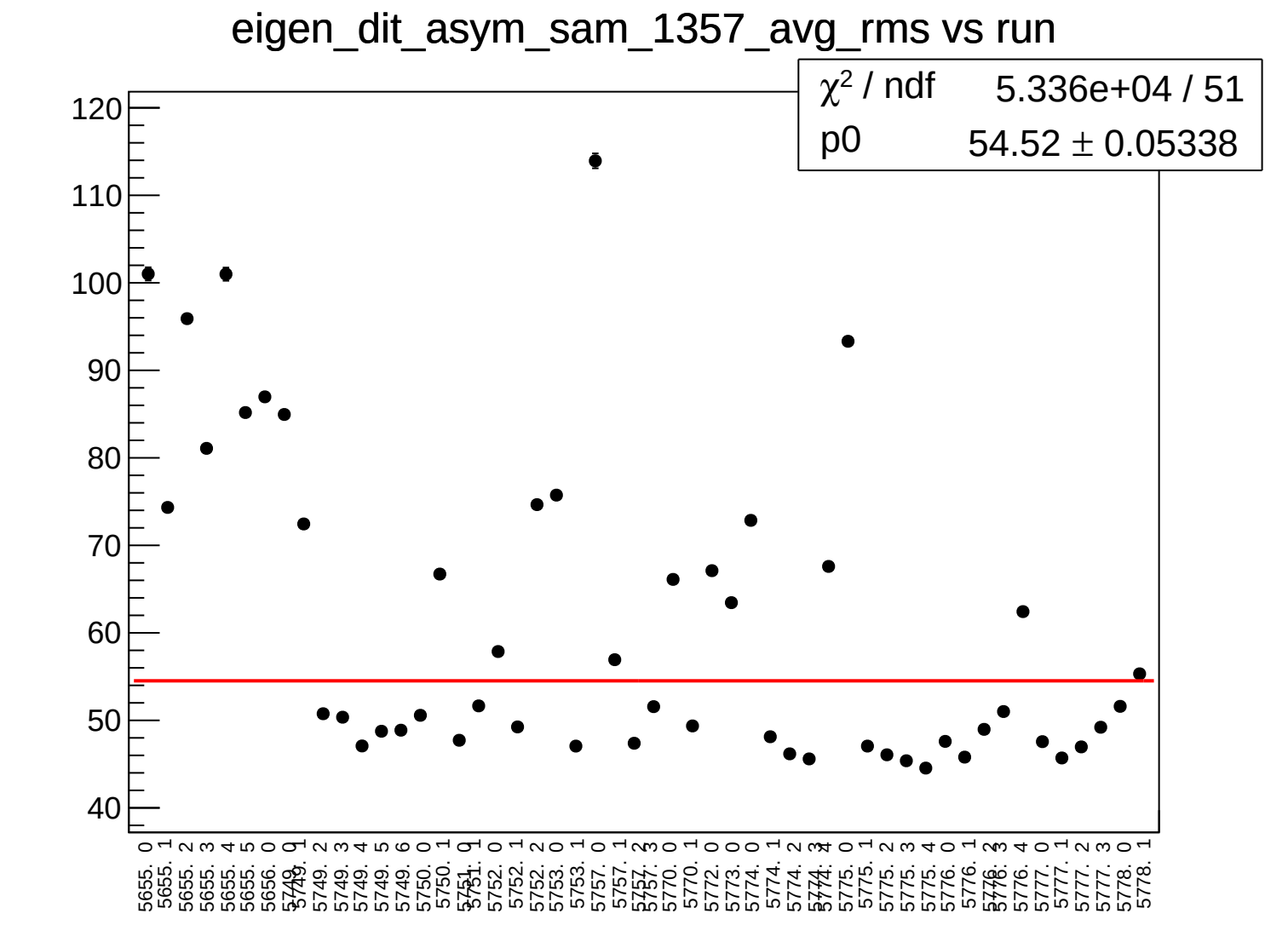
5778. 0
5778. 1


eigen_dit_asym_sam_1357_avg_mean vs run
χ² / ndf 41.29 / 51
p0 −5.034 ± 75.5
pull
Entries 52
Mean 18.3
Std Dev 0


pull1D
Entries 52
Mean −0.0387
Std Dev 0.8902


eigen_dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 5.336e+04 / 51
p0 54.52 ± 0.05338
120
110
100
90
80
70
60
50
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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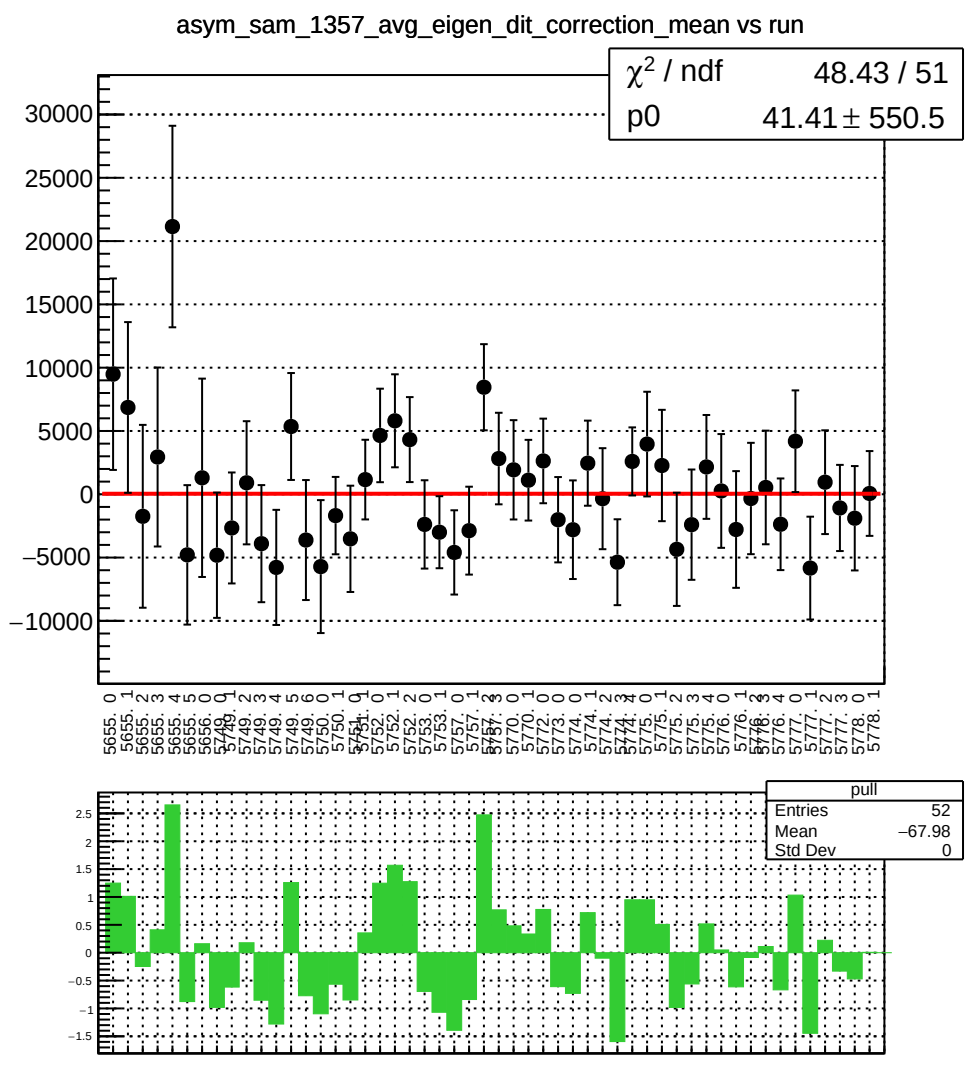
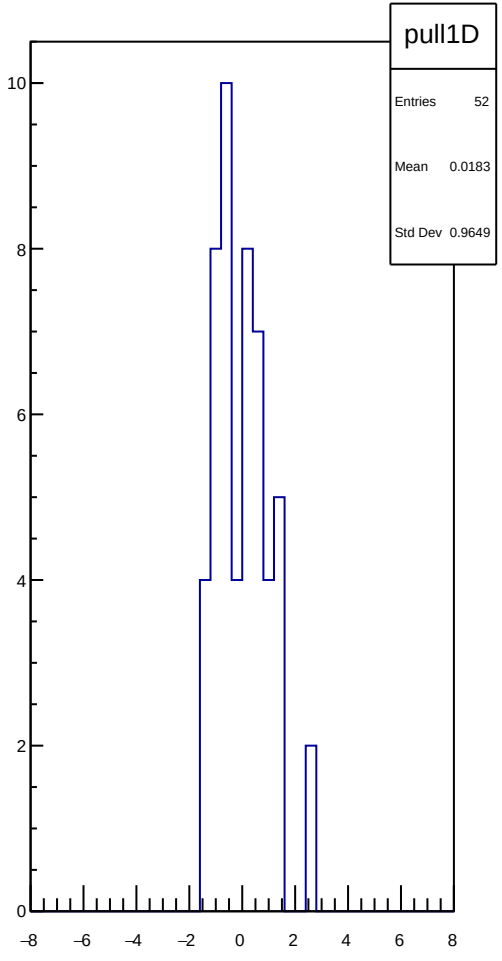
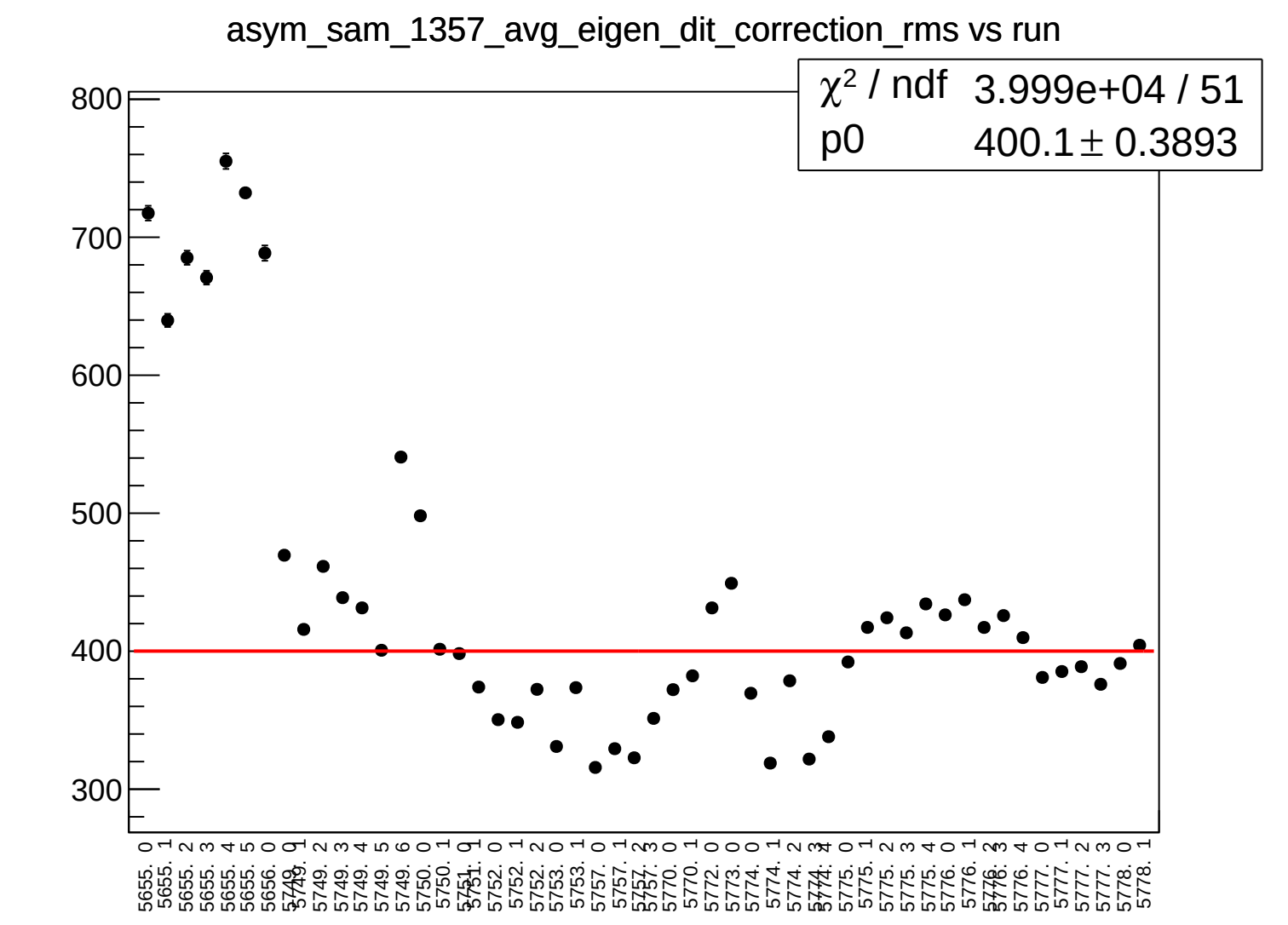
5778. 1


asym_sam_1357_avg_eigen_dit_correction_mean vs run
χ² / ndf 48.43 / 51
p0 41.41 ± 550.5
pull
Entries 52
Mean −67.98
Std Dev 0


pull1D
Entries 52
Mean 0.0183
Std Dev 0.9649


asym_sam_1357_avg_eigen_dit_correction_rms vs run
χ² / ndf 3.999e+04 / 51
p0 400.1 ± 0.3893
800
700
600
500
400
300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
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5770. 1
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5773. 0
5774. 0
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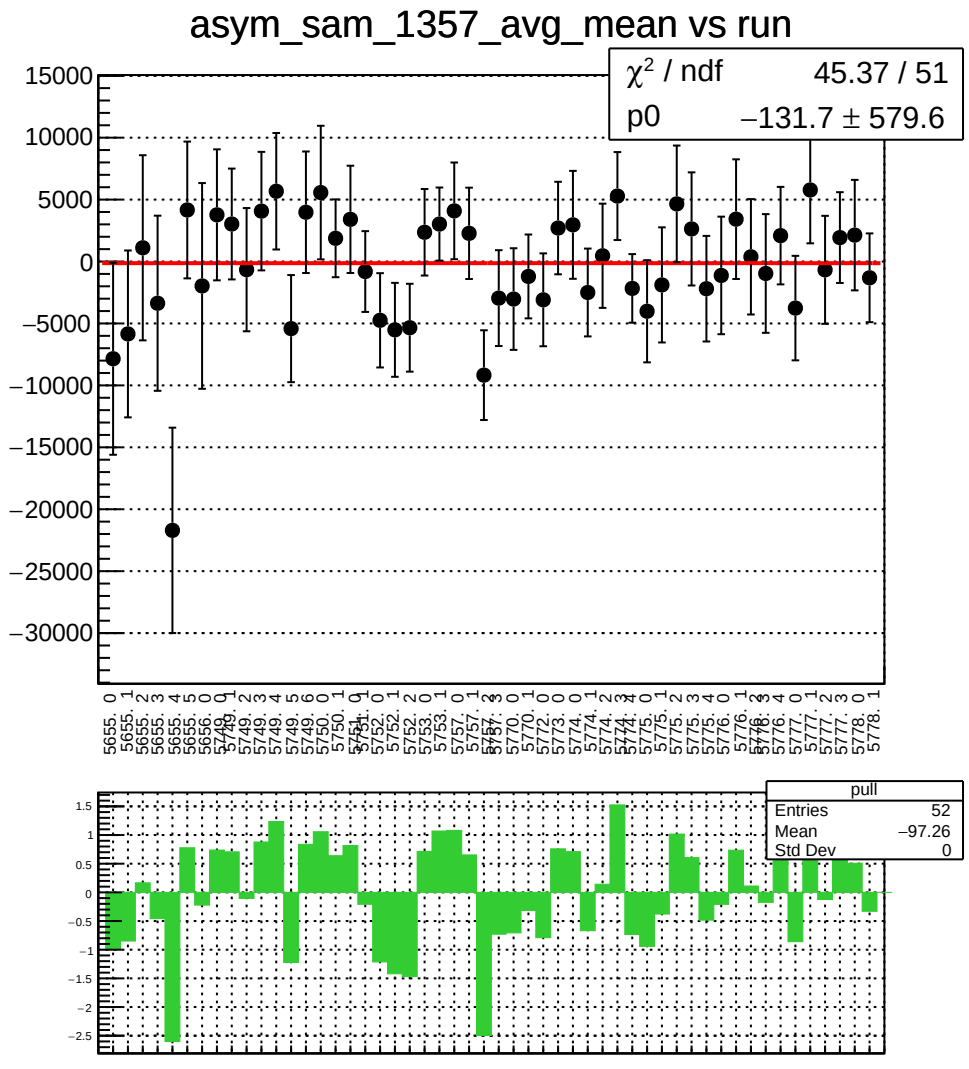
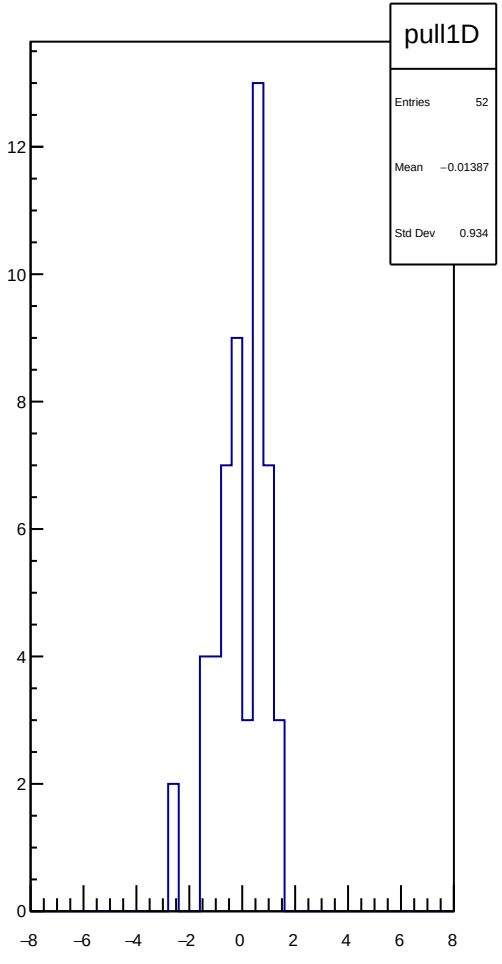
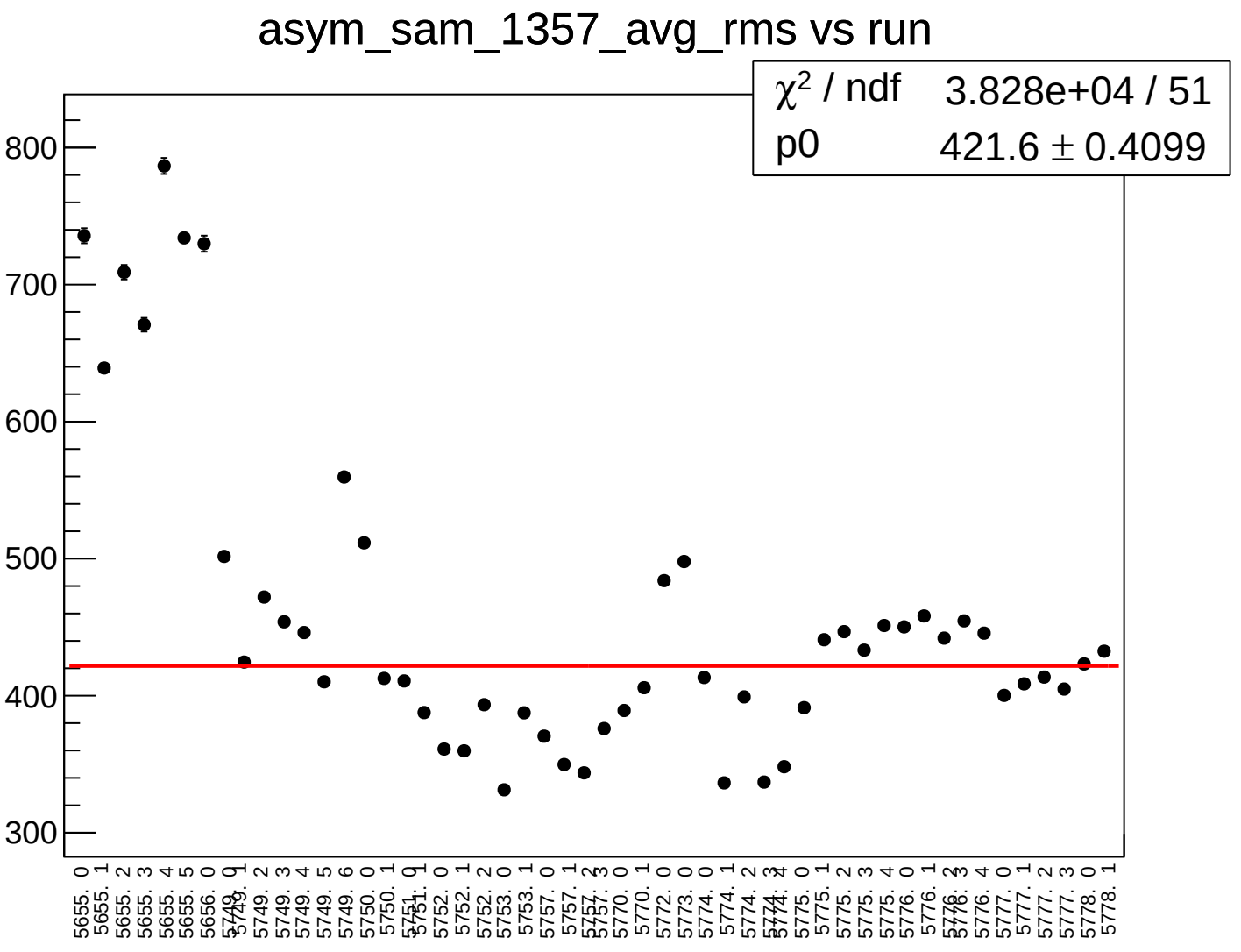
5778. 1


asym_sam_1357_avg_mean vs run
χ² / ndf 45.37 / 51
p0 −131.7 ± 579.6
pull
Entries 52
Mean −97.26
Std Dev 0


pull1D
Entries 52
Mean −0.01387
Std Dev 0.934


asym_sam_1357_avg_rms vs run
χ² / ndf 3.828e+04 / 51
p0 421.6 ± 0.4099
800
700
600
500
400
300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5776. 0
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5777. 0
5777. 1
5777. 2
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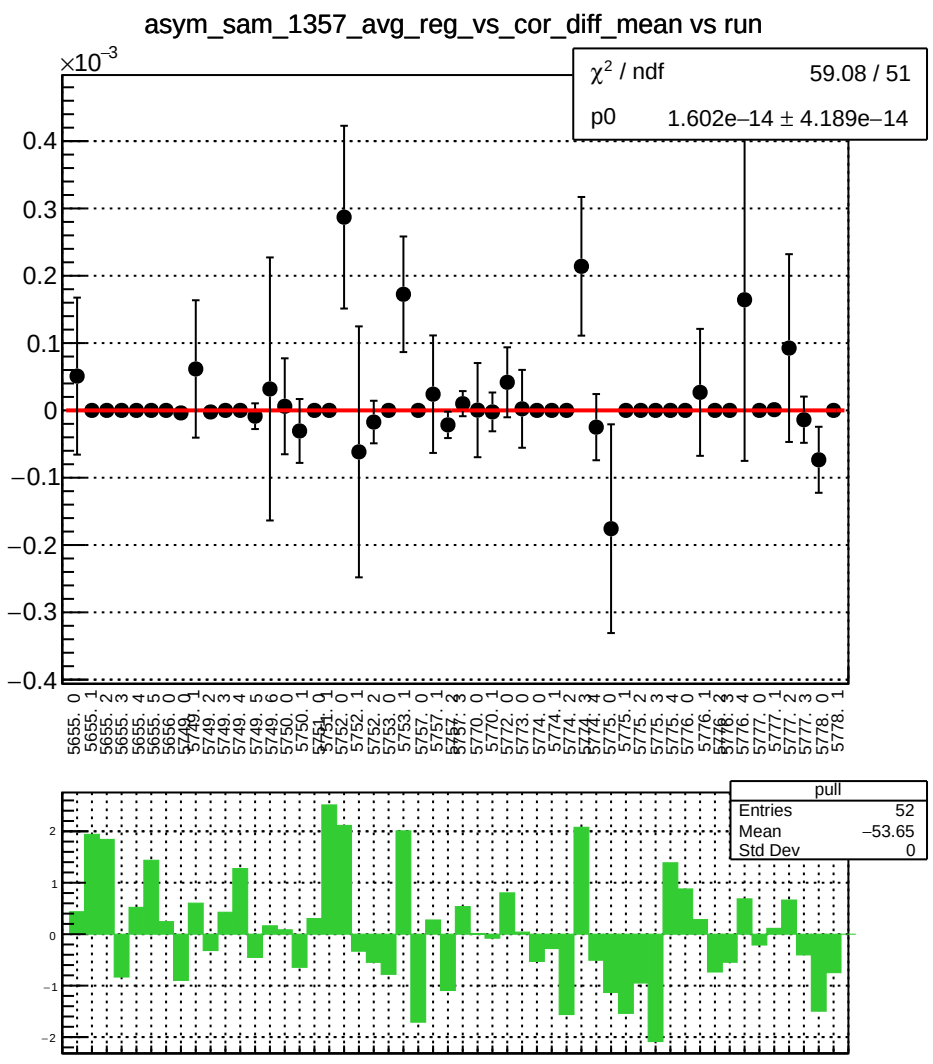
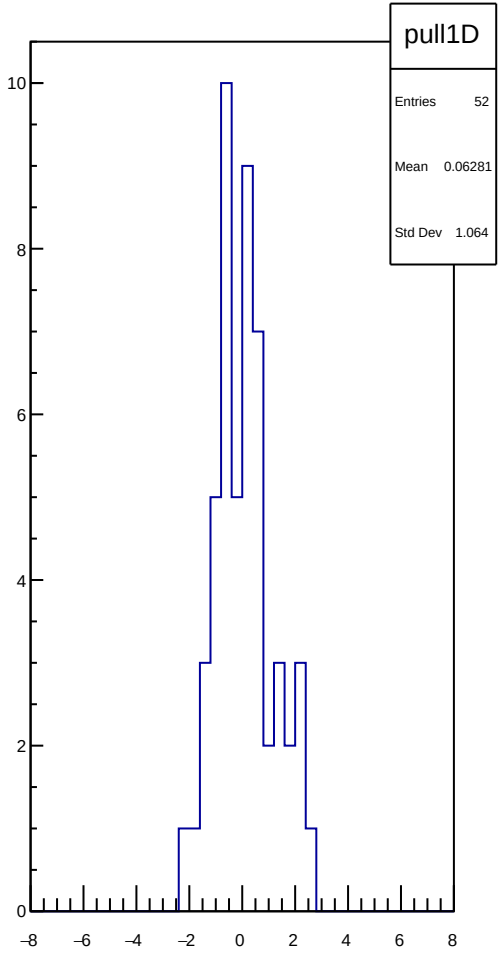
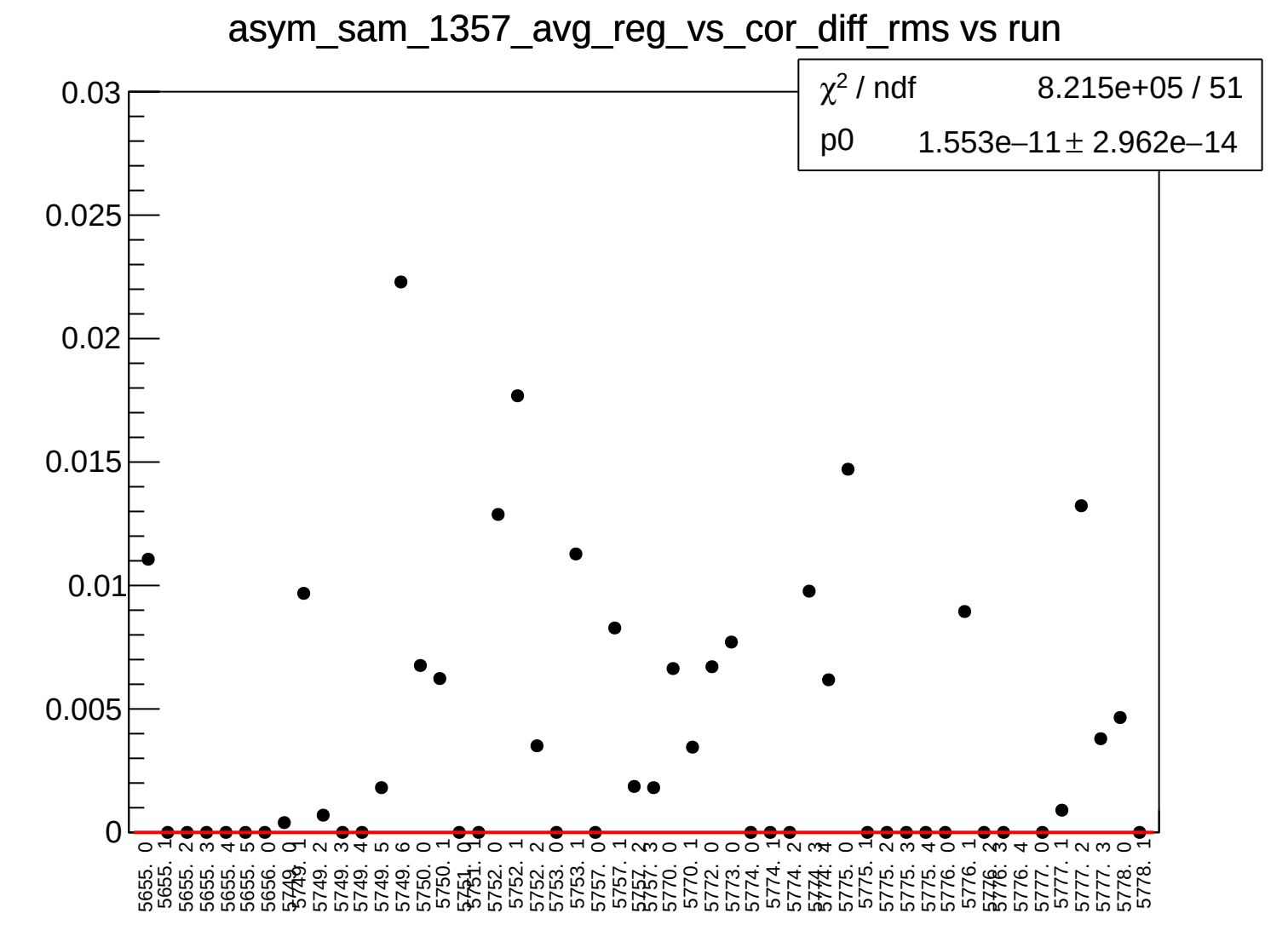
5778. 1


asym_sam_1357_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 59.08 / 51
p0 1.602e−14 ± 4.189e−14
pull
Entries 52
Mean −53.65
Std Dev 0


pull1D
Entries 52
Mean 0.06281
Std Dev 1.064


asym_sam_1357_avg_reg_vs_cor_diff_rms vs run
χ2 / ndf 8.215e+05 / 51
p0 1.553e−11 ± 2.962e−14
0.03
0.025
0.02
0.015
0.01
0.005
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
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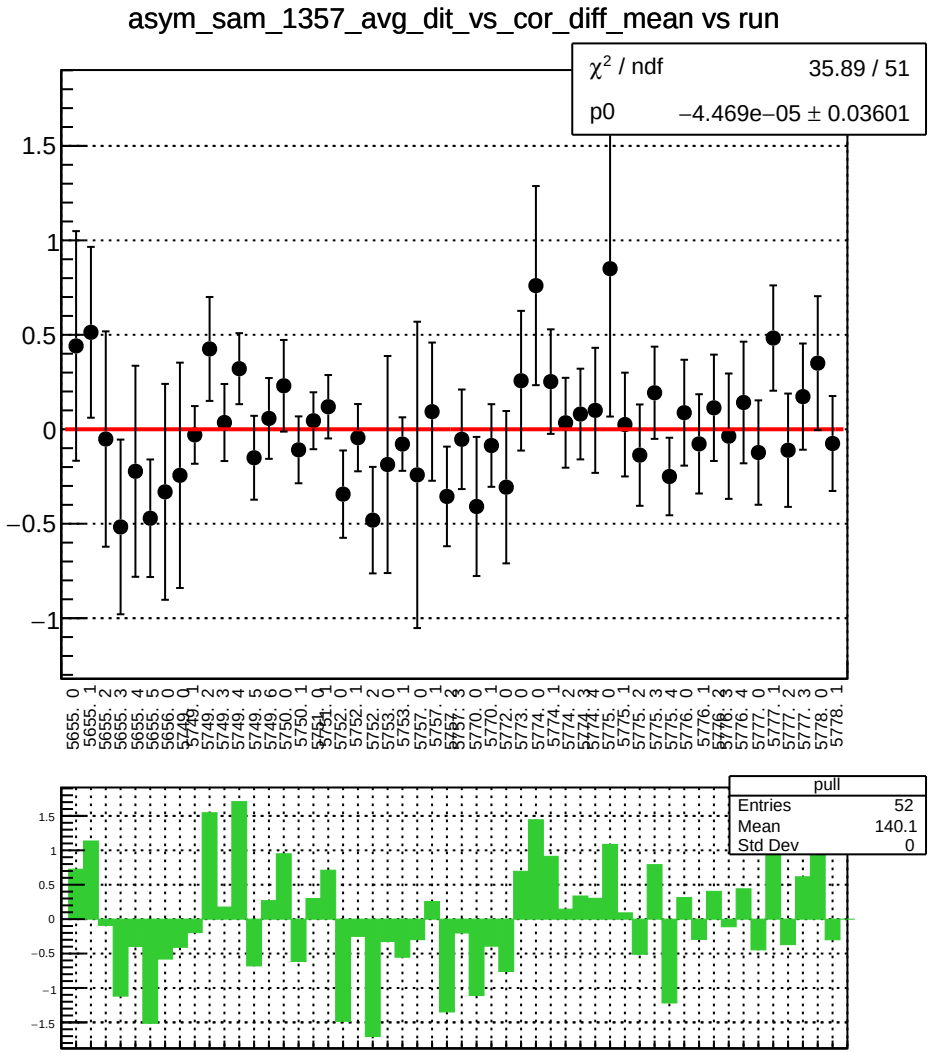
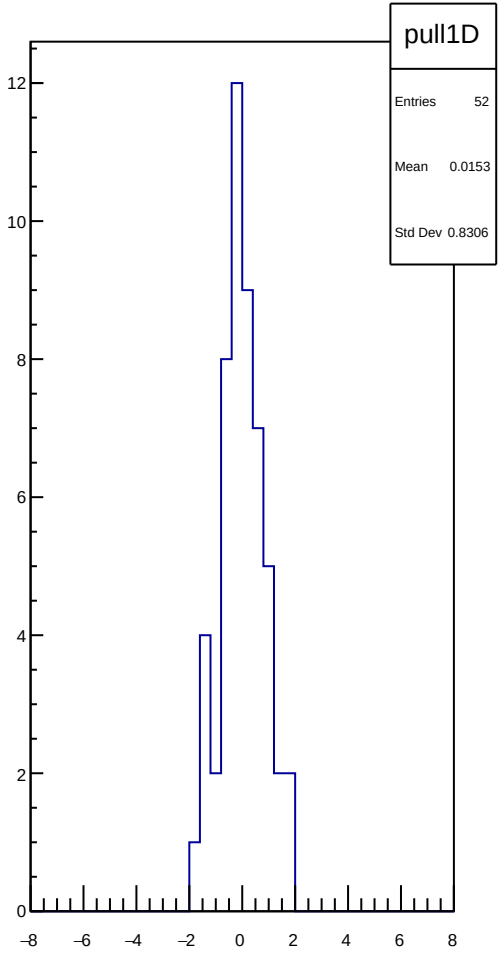
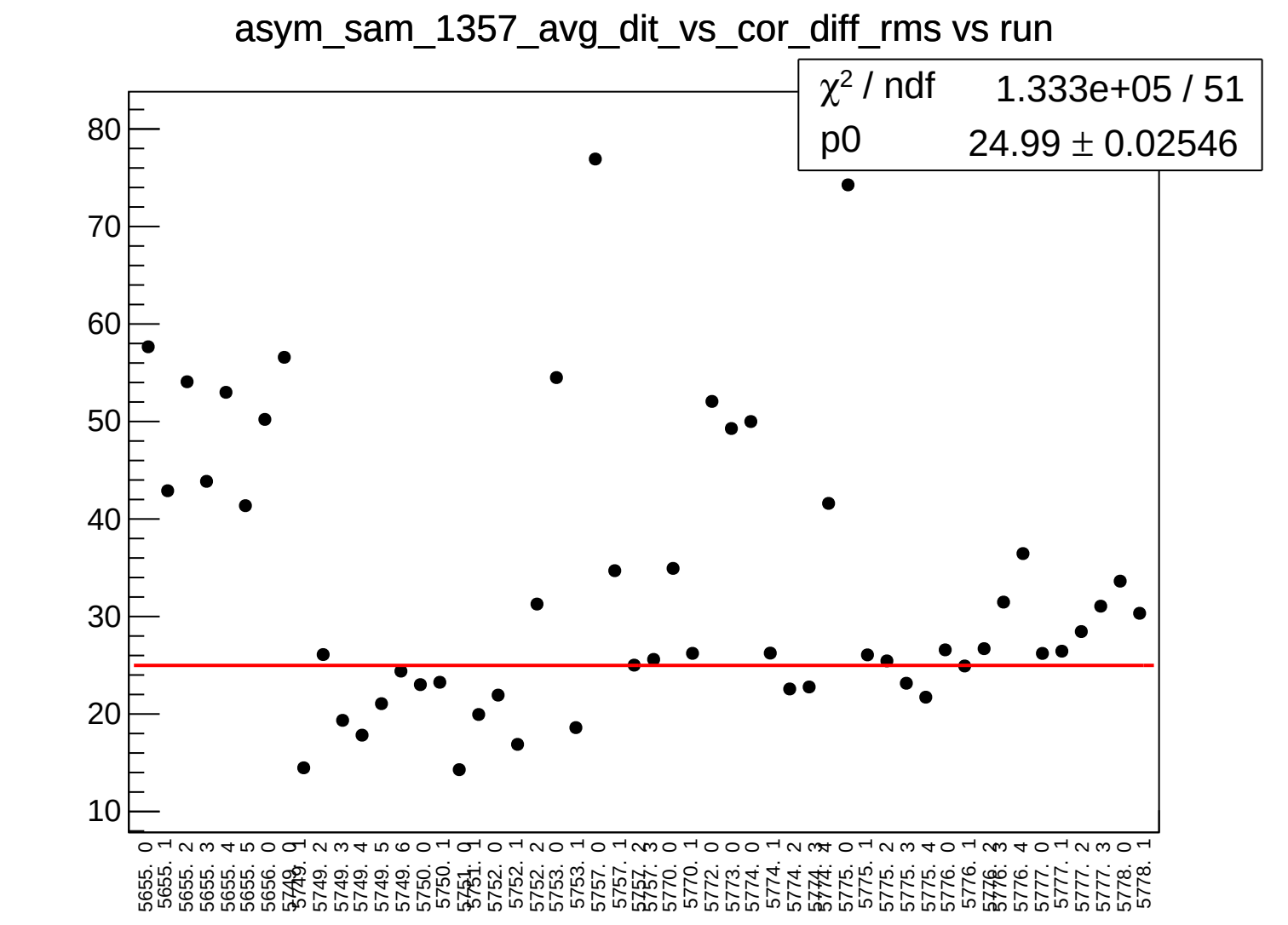
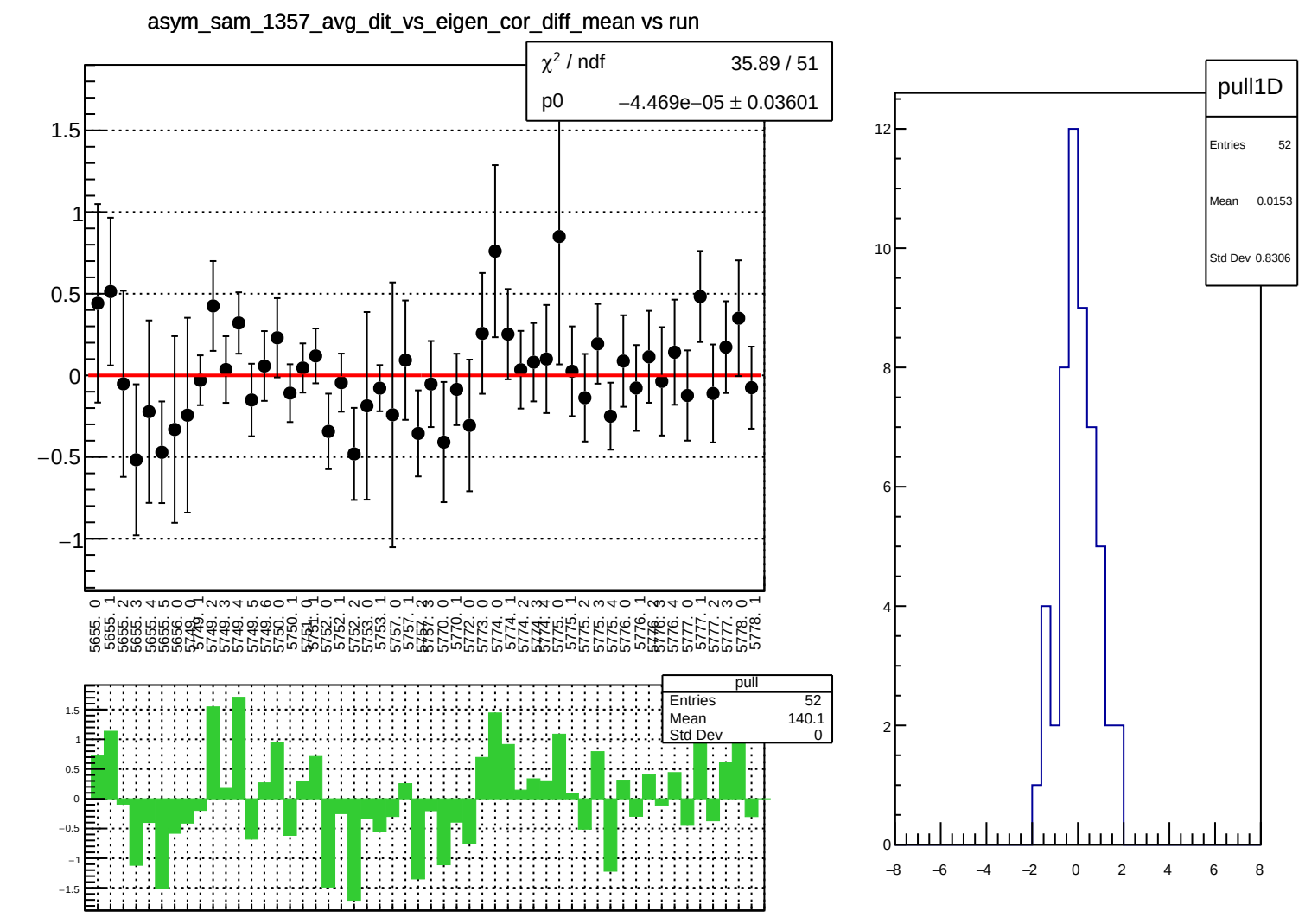
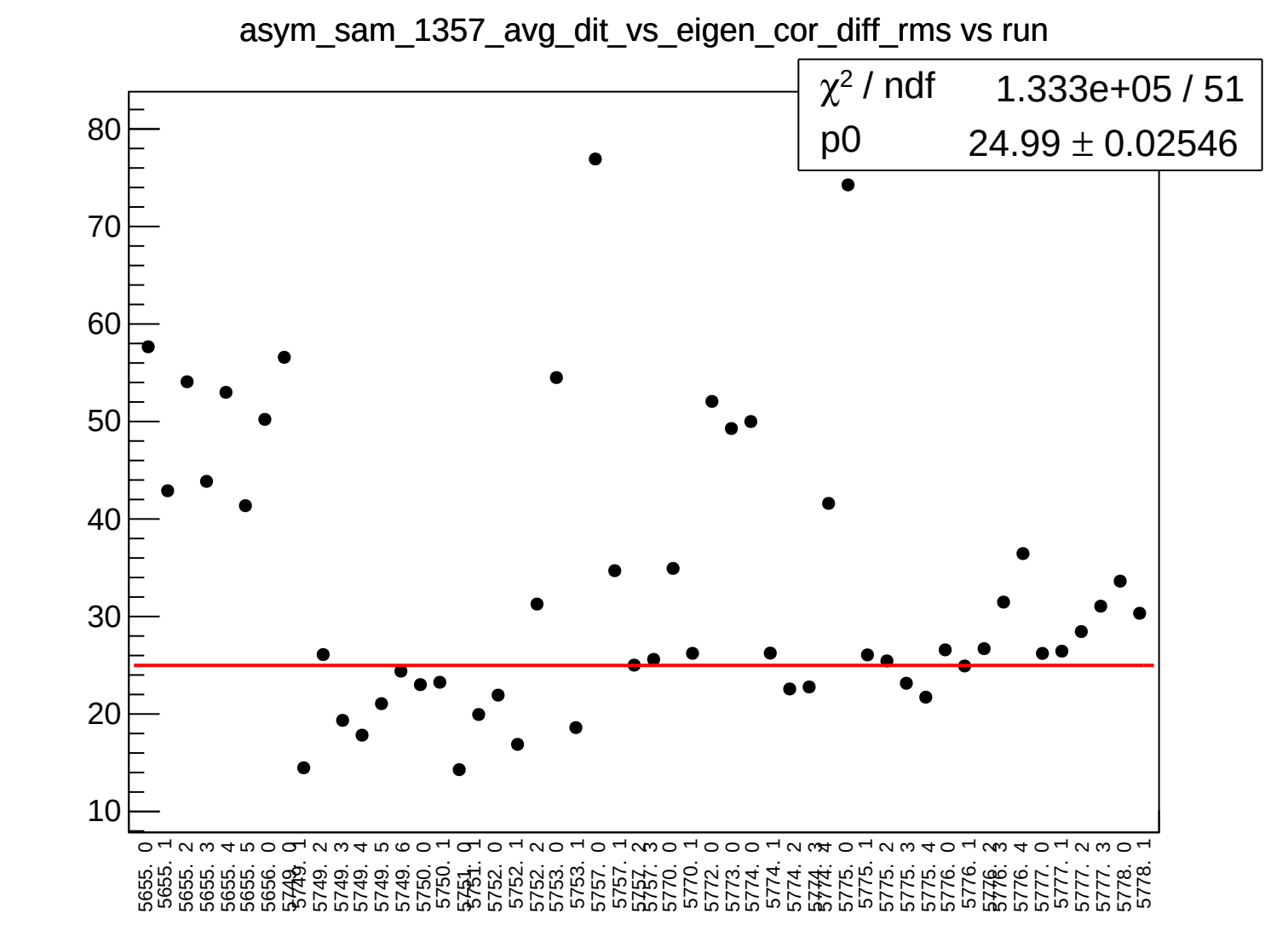
5777. 2
5777. 3
5778. 0
5778. 1

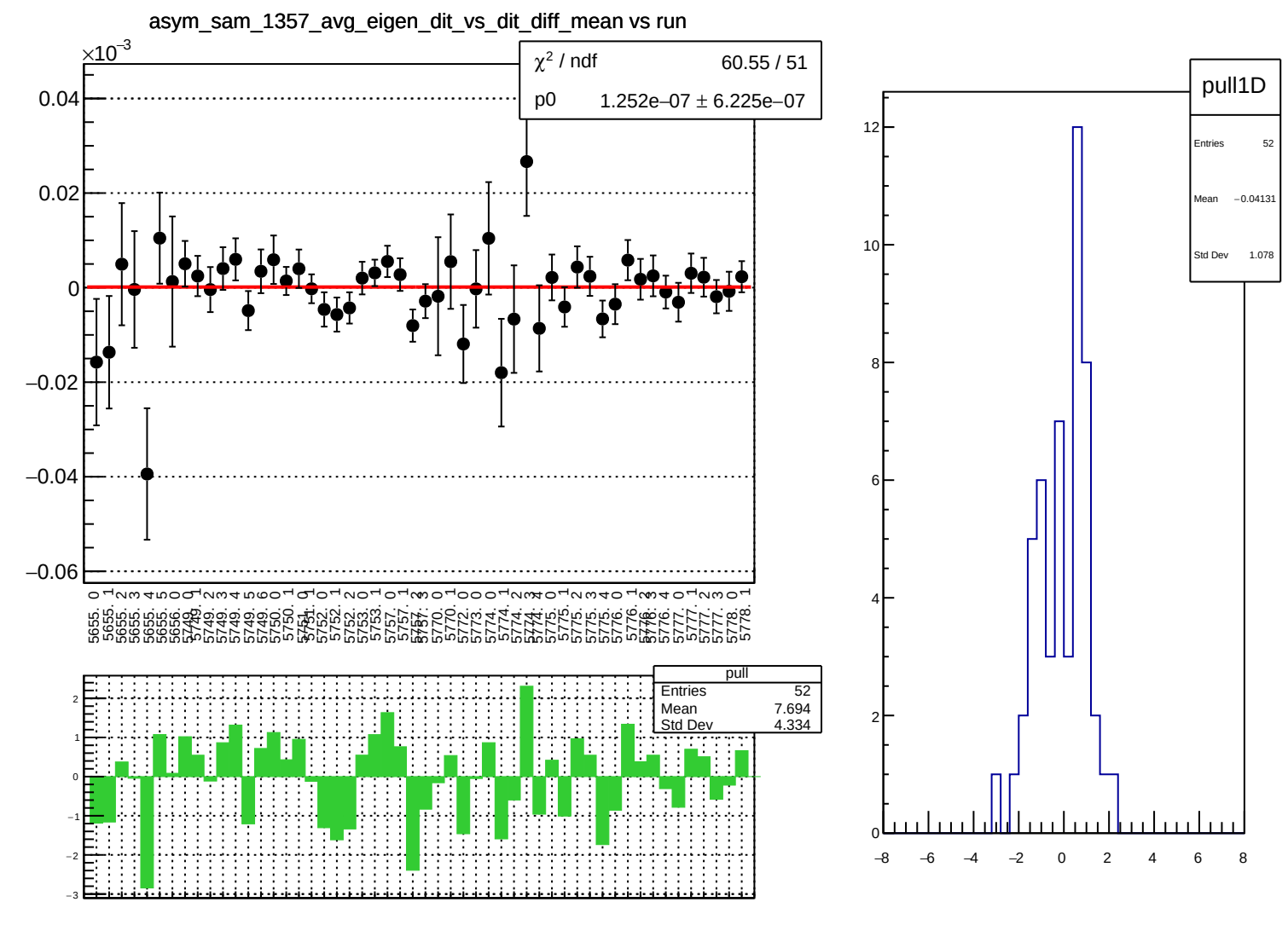

asym_sam_1357_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 35.89 / 51
p0 −4.469e−05 ± 0.03601
pull
Entries 52
Mean 140.1
Std Dev 0

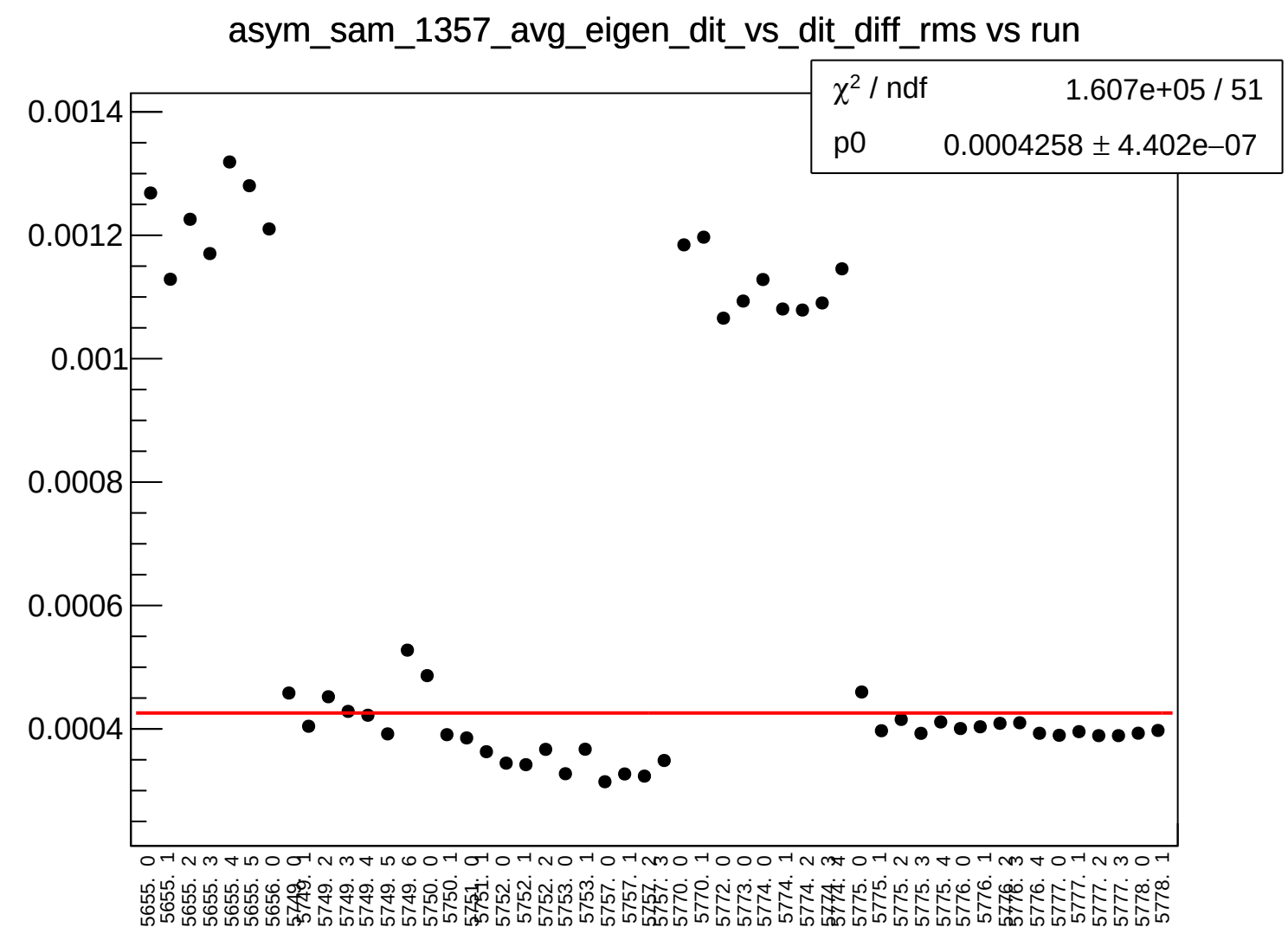

pull1D
Entries 52
Mean 0.0153
Std Dev 0.8306

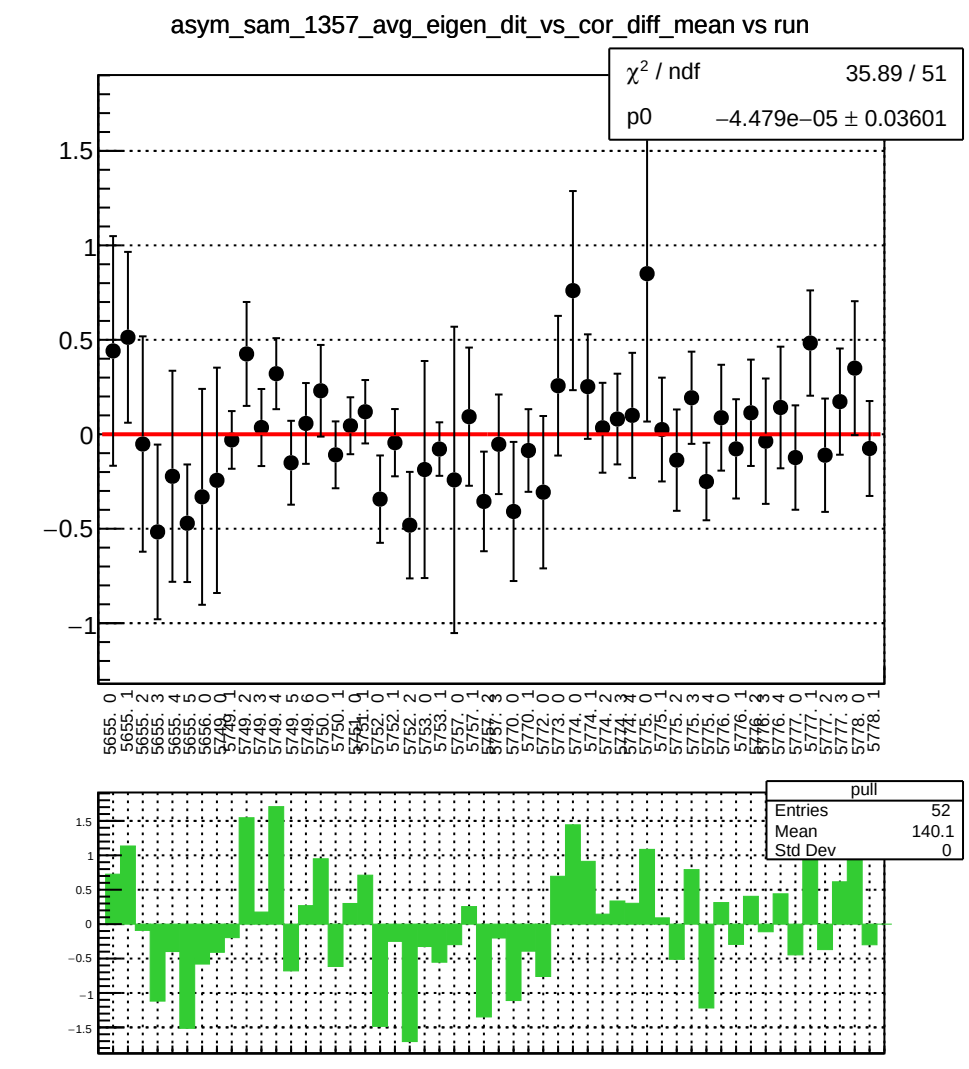

asym_sam_1357_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.333e+05 / 51
p0 24.99 ± 0.02546
80
70
60
50
40
30
20
10
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

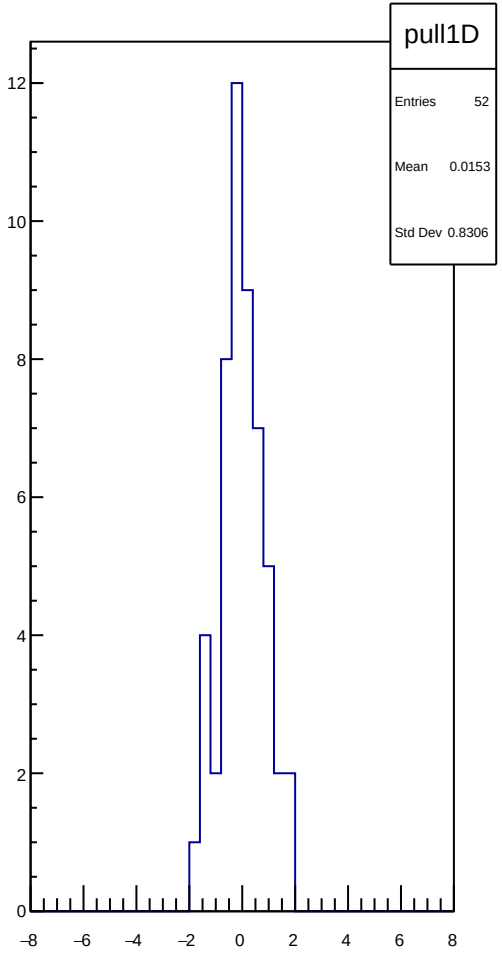

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.89 / 51
p0 −4.469e−05 ± 0.03601
pull
Entries 52
Mean 140.1
Std Dev 0
pull1D
Entries 52
Mean 0.0153
Std Dev 0.8306

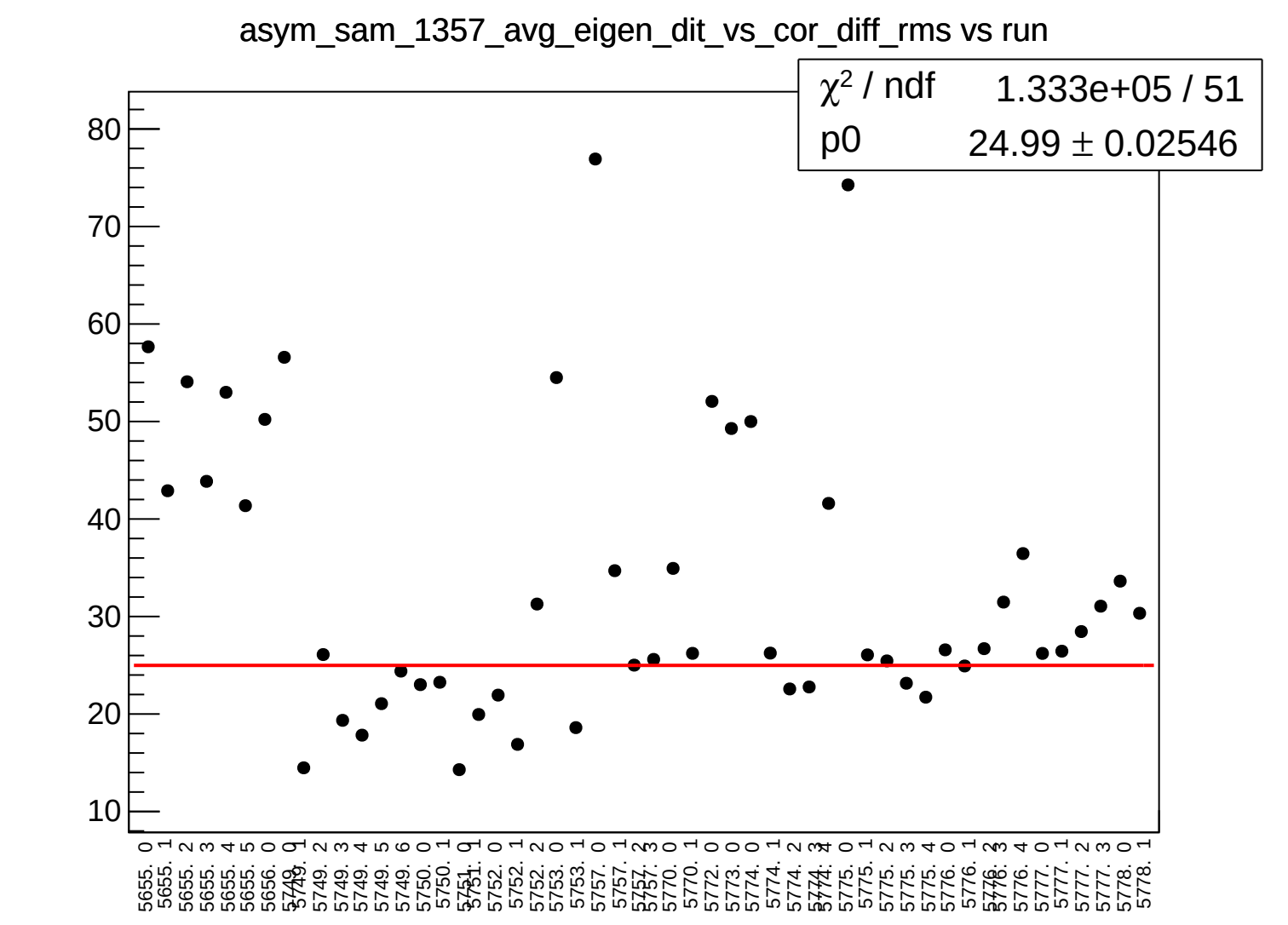

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.333e+05 / 51
p0 24.99 ± 0.02546
80
70
60
50
40
30
20
10
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

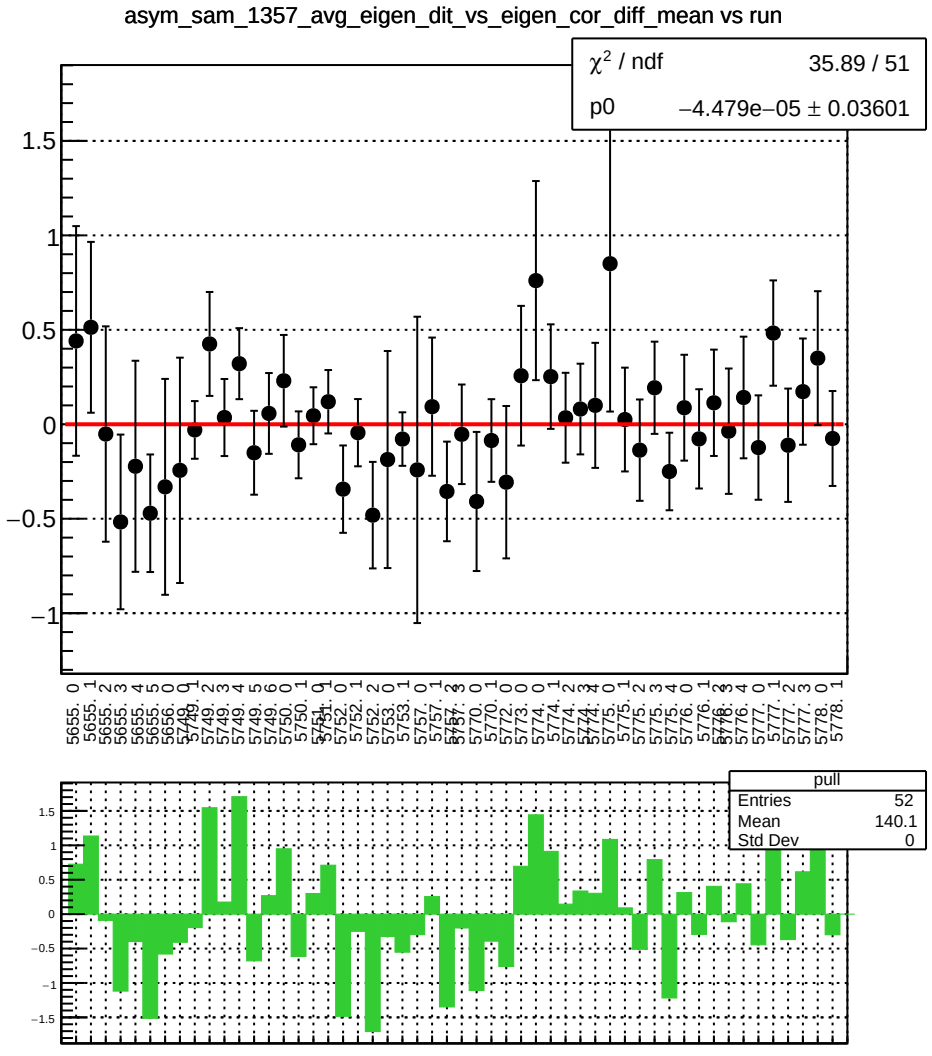

asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 60.55 / 51
p0 1.252e−07 ± 6.225e−07
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 52
Mean 7.694
Std Dev 4.334
pull1D
Entries 52
Mean −0.04131
Std Dev 1.078

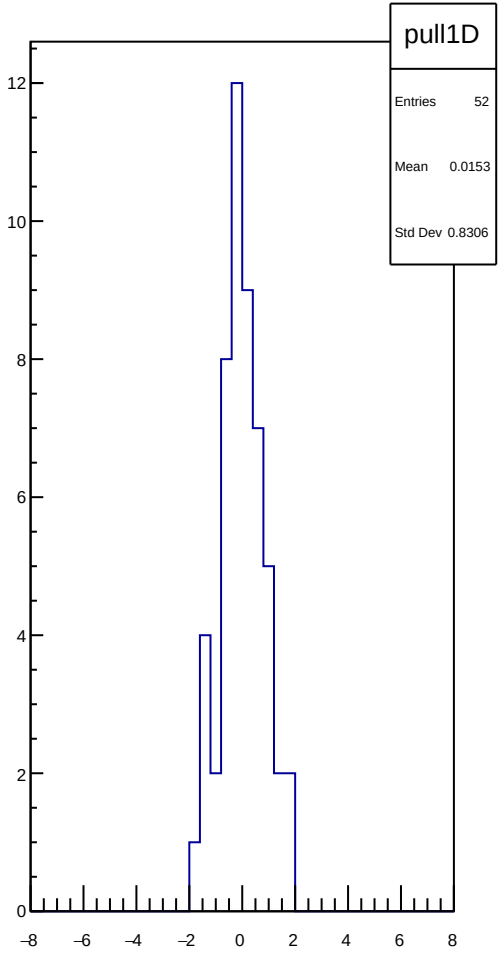

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.607e+05 / 51
p0 0.0004258 ± 4.402e−07
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

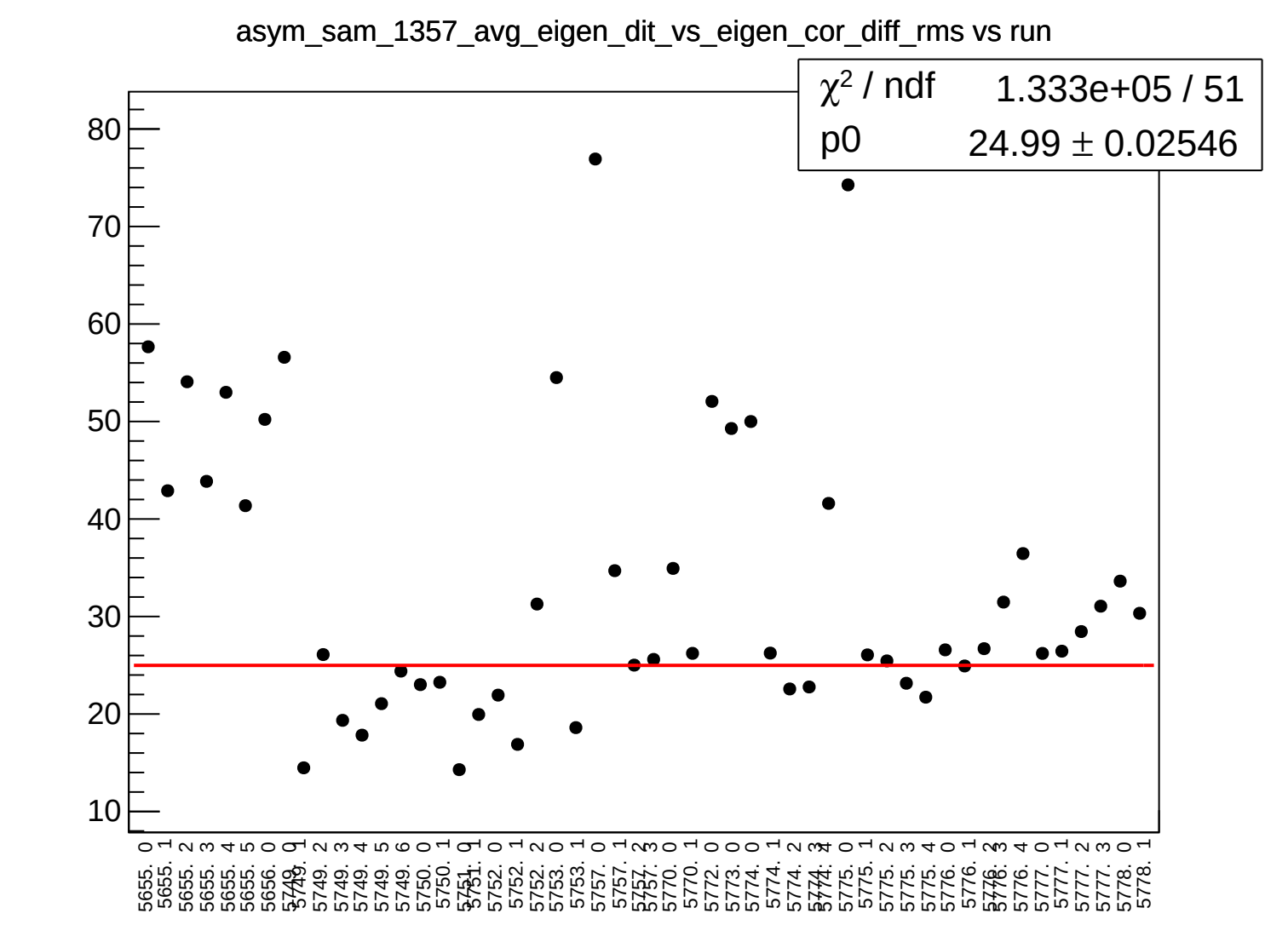

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 35.89 / 51
p0 −4.479e−05 ± 0.03601
pull
Entries 52
Mean 140.1
Std Dev 0

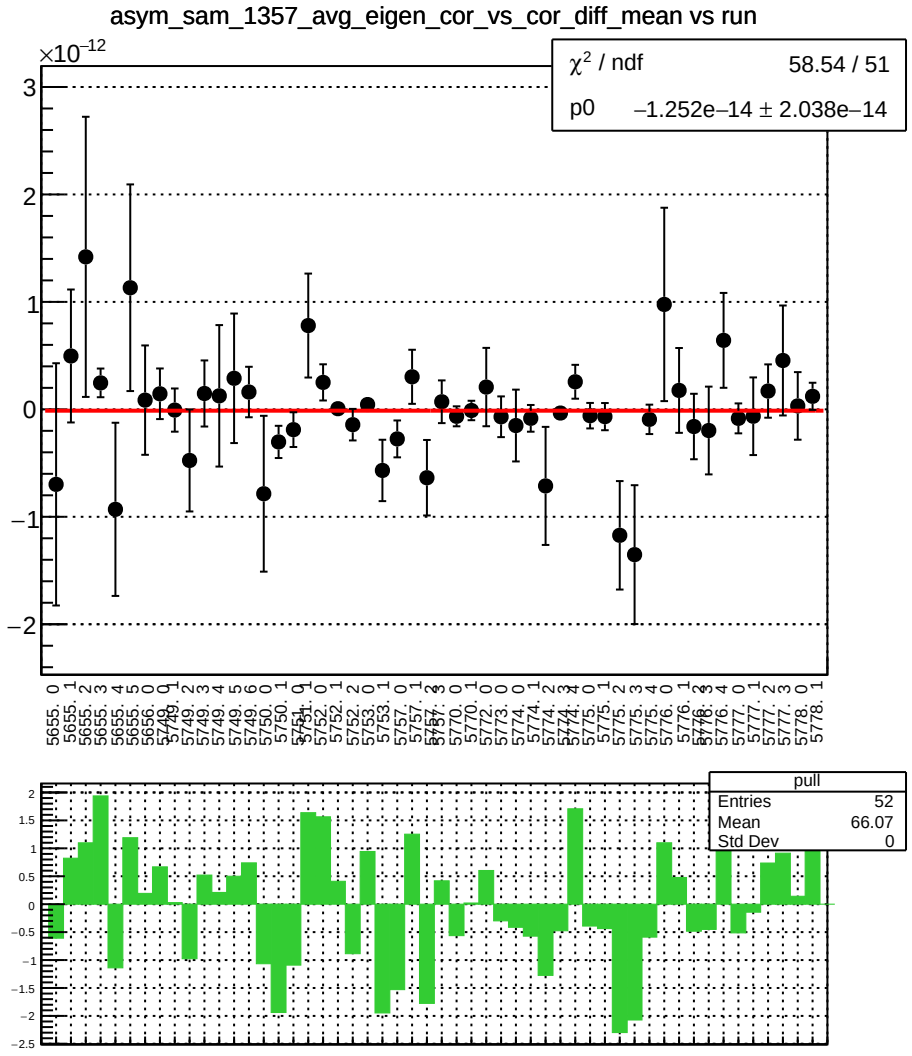

pull1D
Entries 52
Mean 0.0153
Std Dev 0.8306

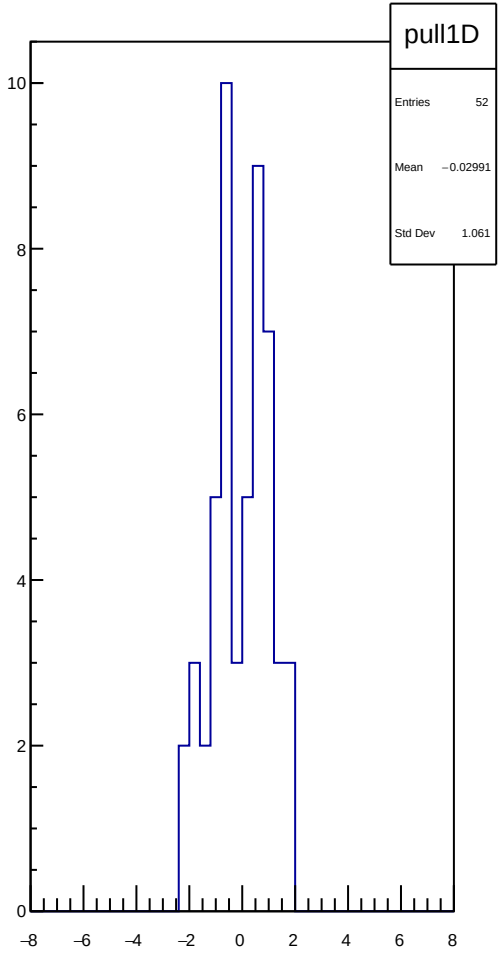

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.333e+05 / 51
p0 24.99 ± 0.02546
80
70
60
50
40
30
20
10
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

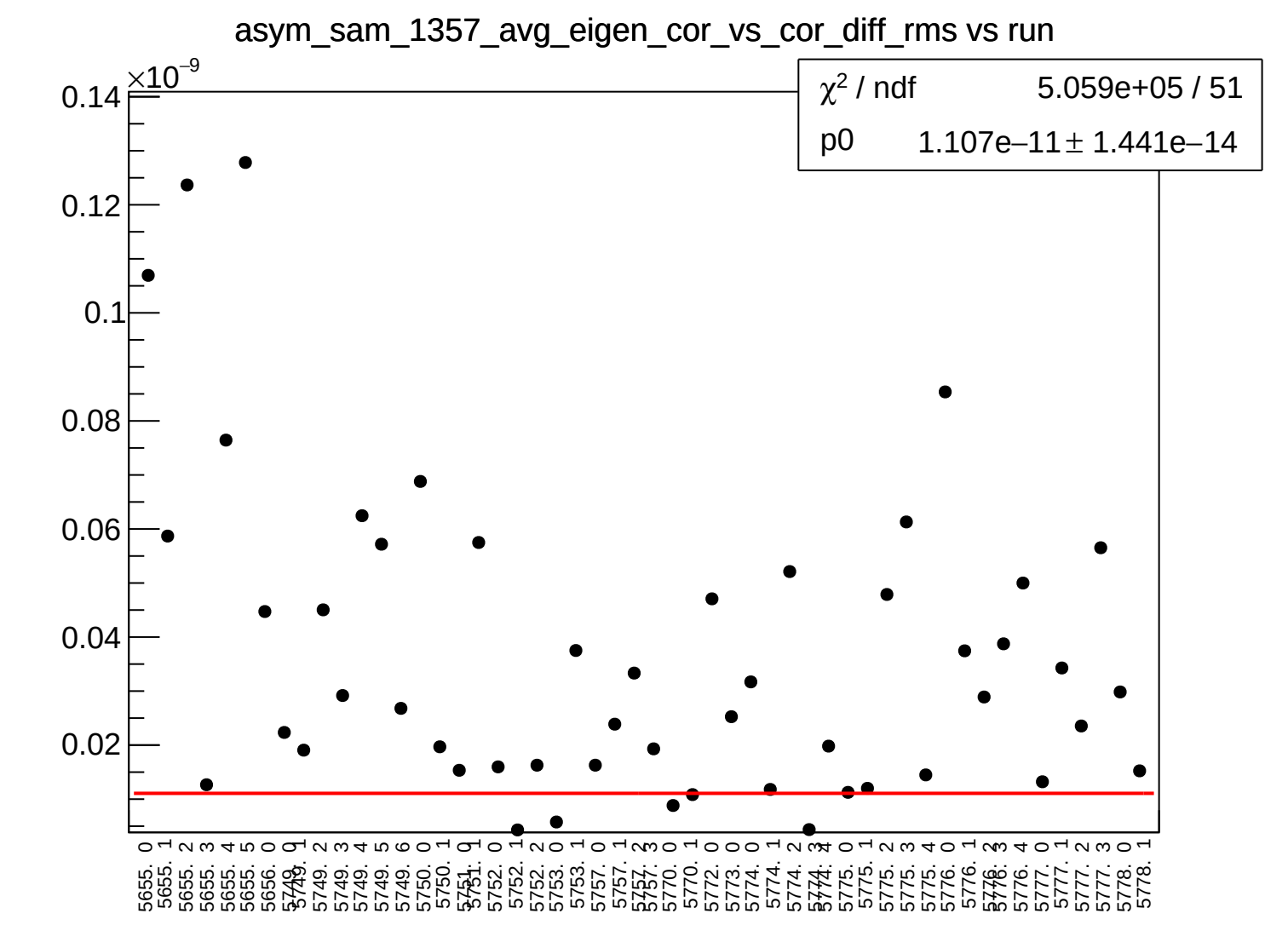

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.89 / 51
p0 −4.479e−05 ± 0.03601
pull
Entries 52
Mean 140.1
Std Dev 0

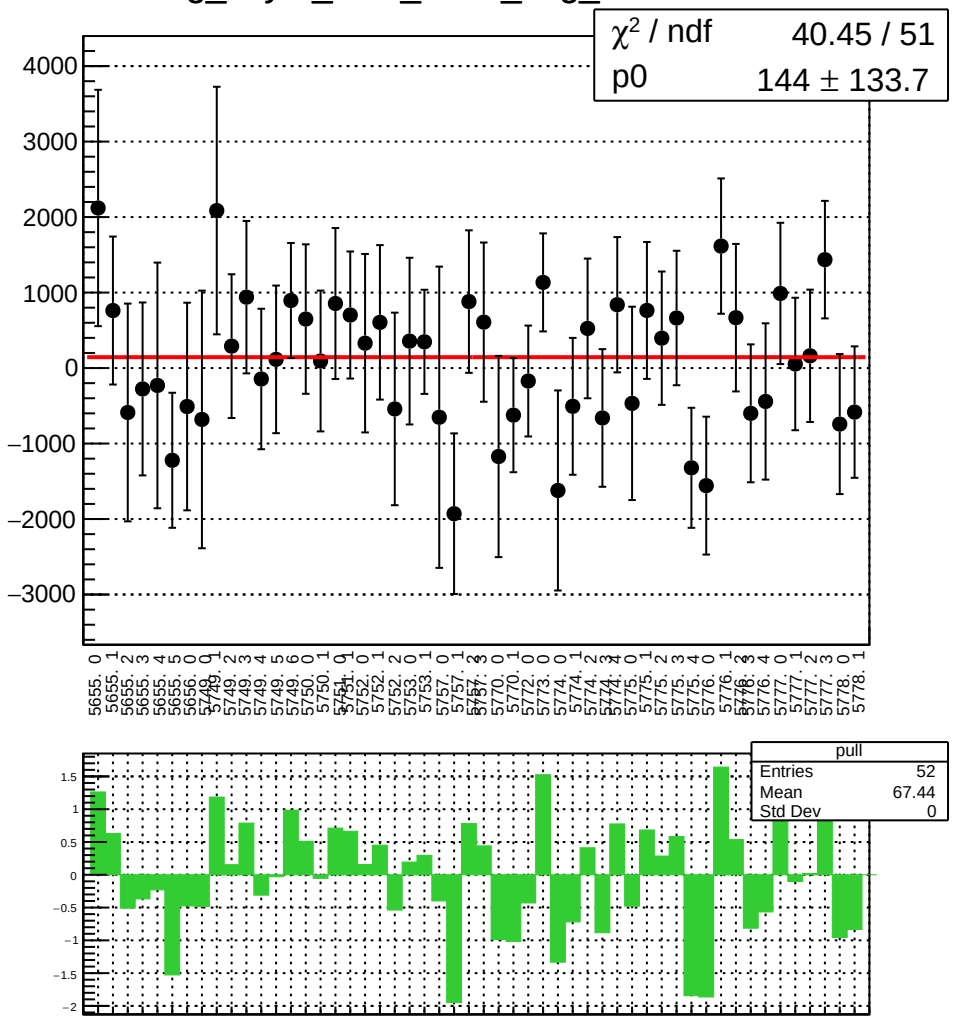

pull1D
Entries 52
Mean 0.0153
Std Dev 0.8306

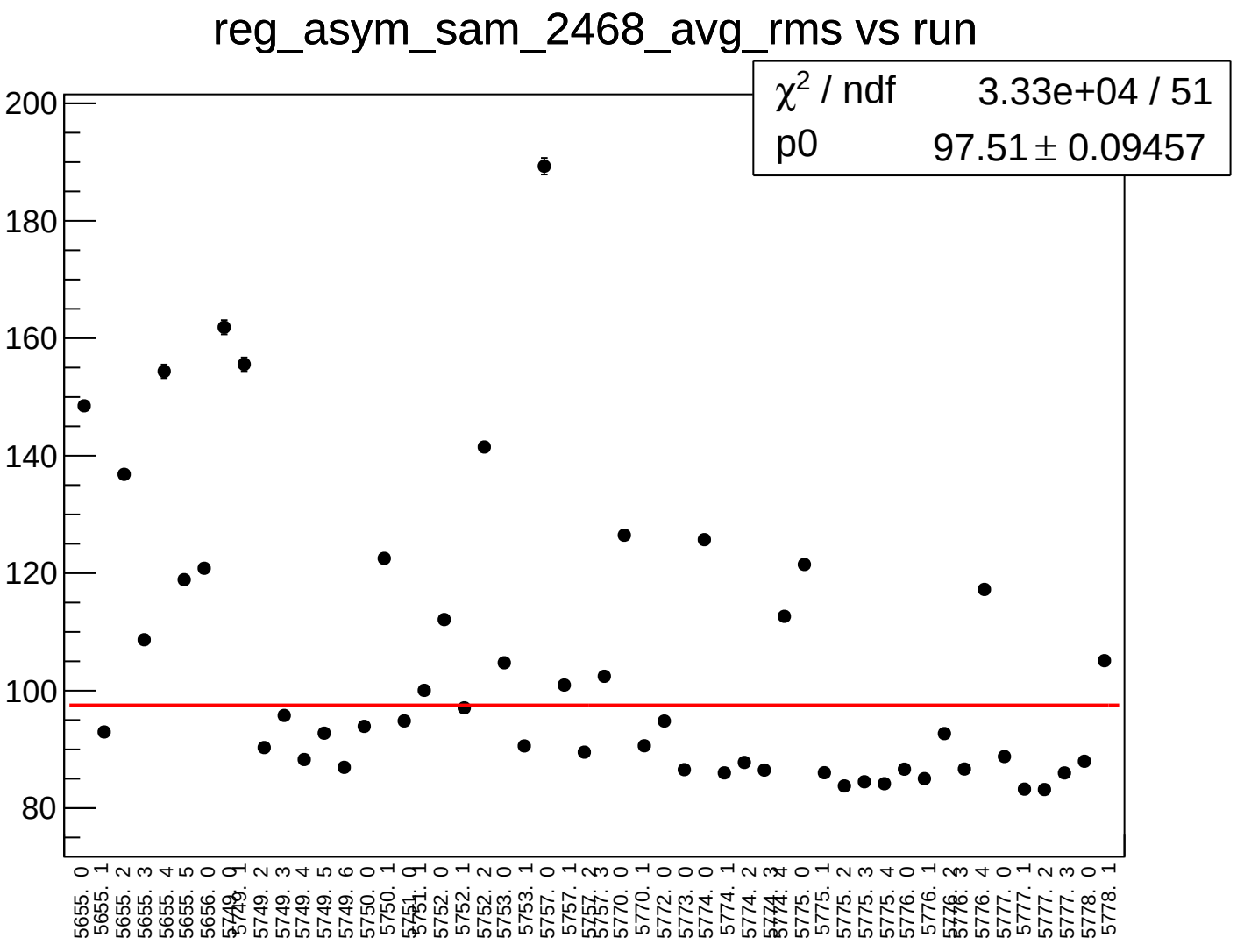

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.333e+05 / 51
p0 24.99 ± 0.02546
80
70
60
50
40
30
20
10
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 9
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

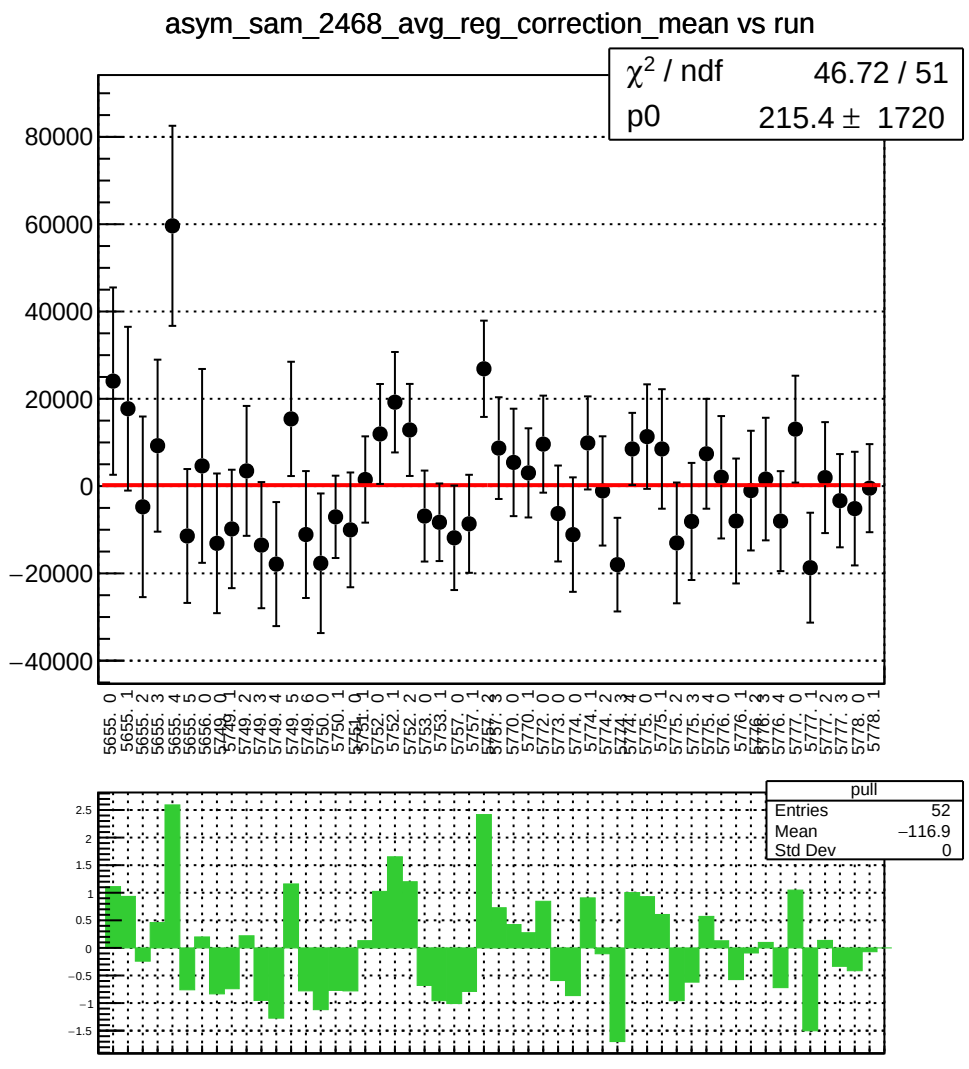

asym_sam_1357_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.54 / 51
p0 −1.252e−14 ± 2.038e−14
pull
Entries 52
Mean 66.07
Std Dev 0

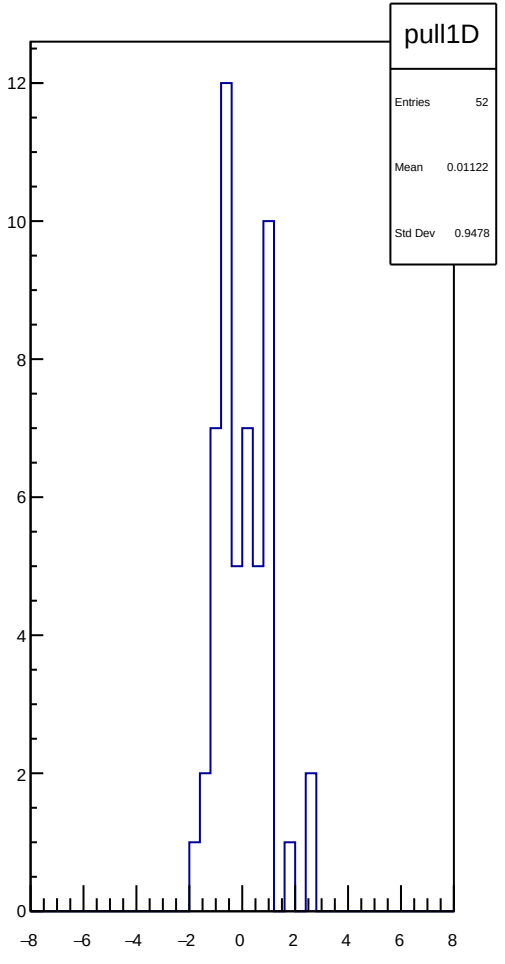

pull1D
Entries 52
Mean −0.02991
Std Dev 1.061

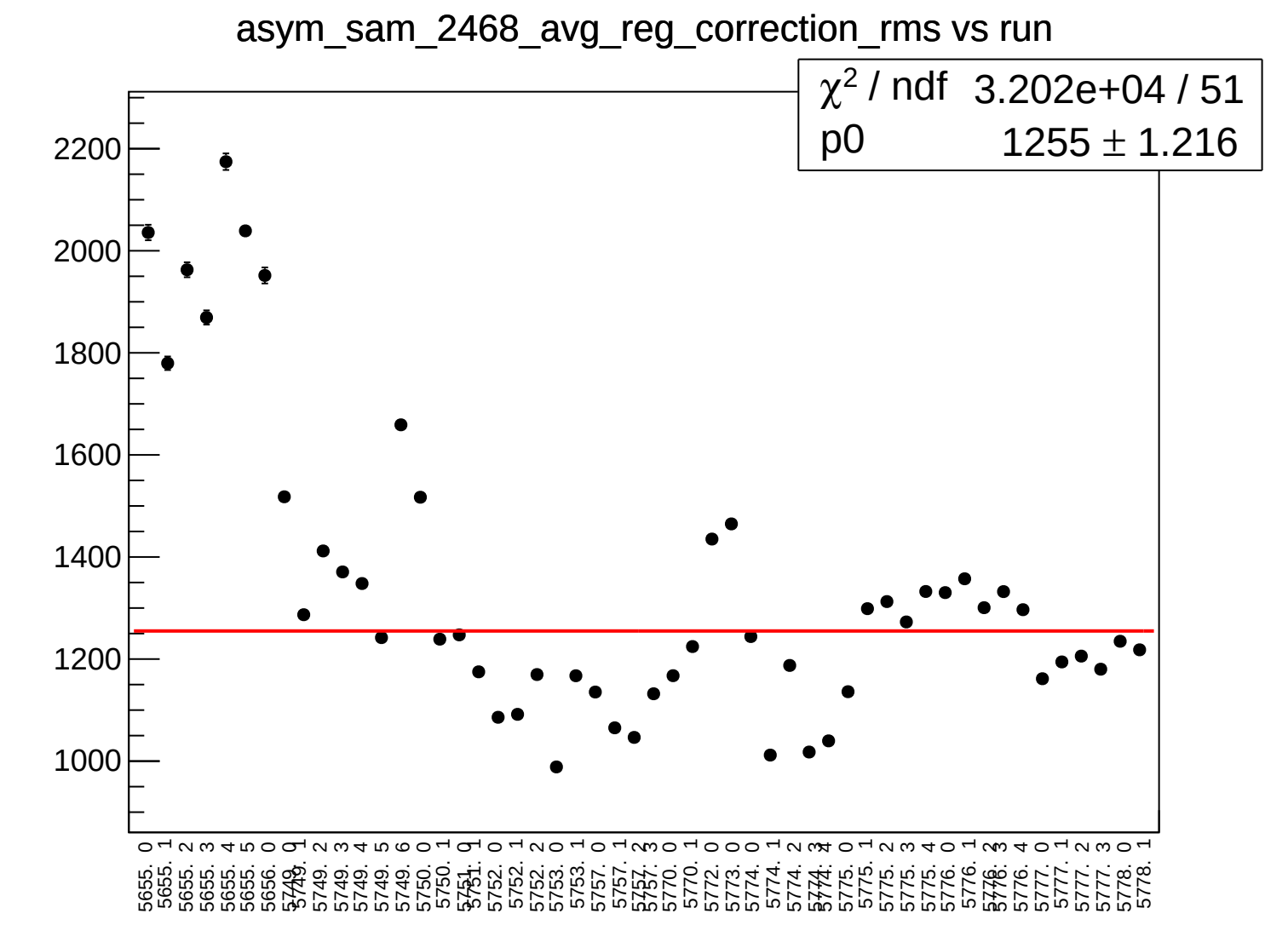

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
χ² / ndf 5.059e+05 / 51
p0 1.107e−11 ± 1.441e−14
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

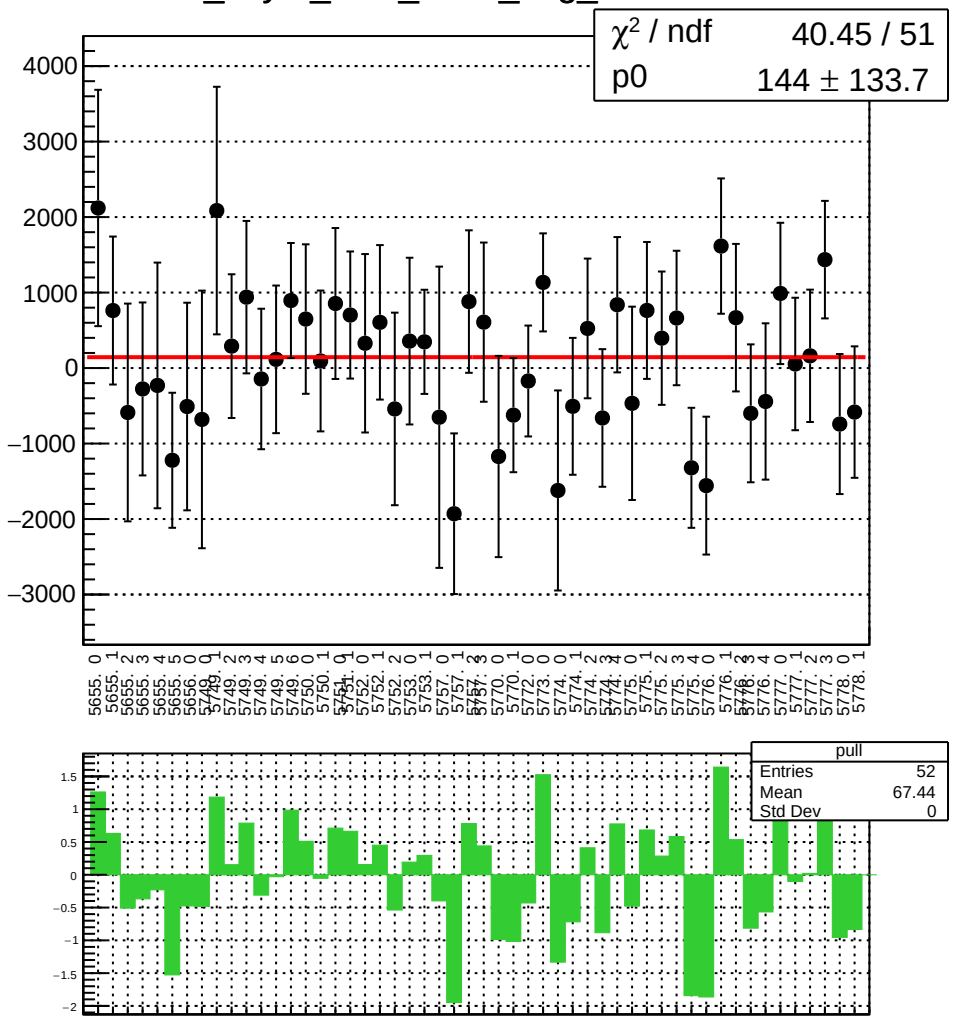

reg_asym_sam_2468_avg_mean vs run
χ² / ndf 40.45 / 51
p0 144 ± 133.7
pull
Entries 52
Mean 67.44
Std Dev 0
pull1D
Entries 52
Mean −0.02808
Std Dev 0.8816

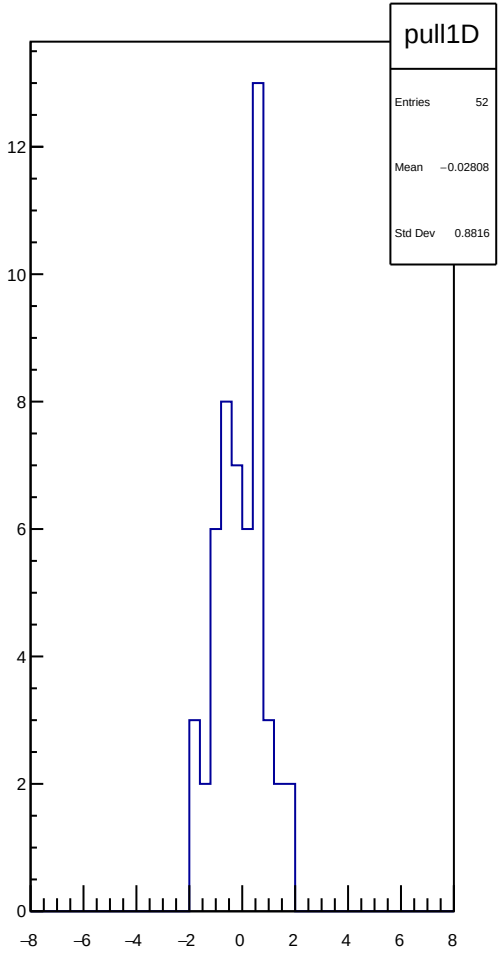

reg_asym_sam_2468_avg_rms vs run
χ² / ndf 3.33e+04 / 51
p0 97.51 ± 0.09457
200
180
160
140
120
100
80
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

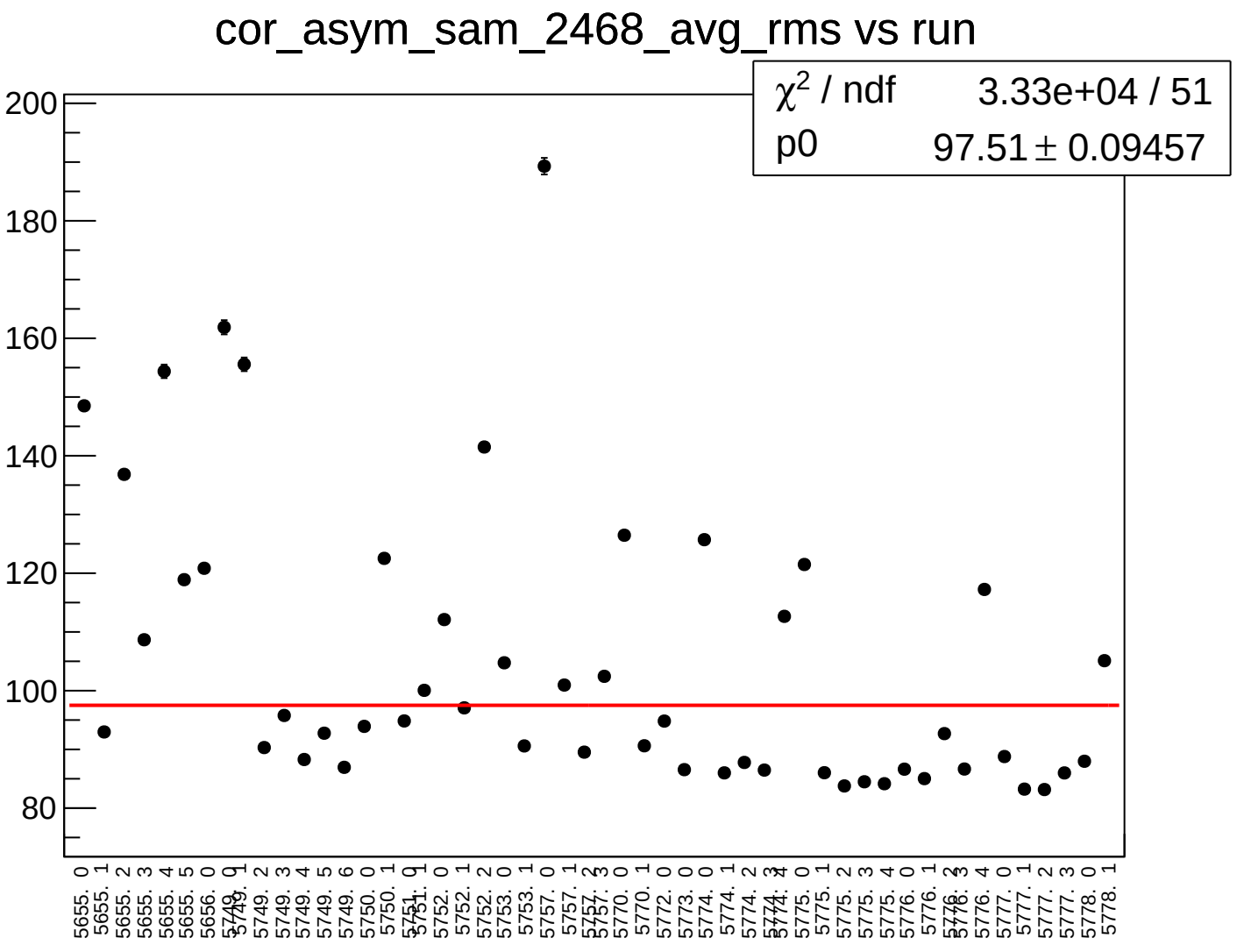

asym_sam_2468_avg_reg_correction_mean vs run
χ² / ndf 46.72 / 51
p0 215.4 ± 1720
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −116.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

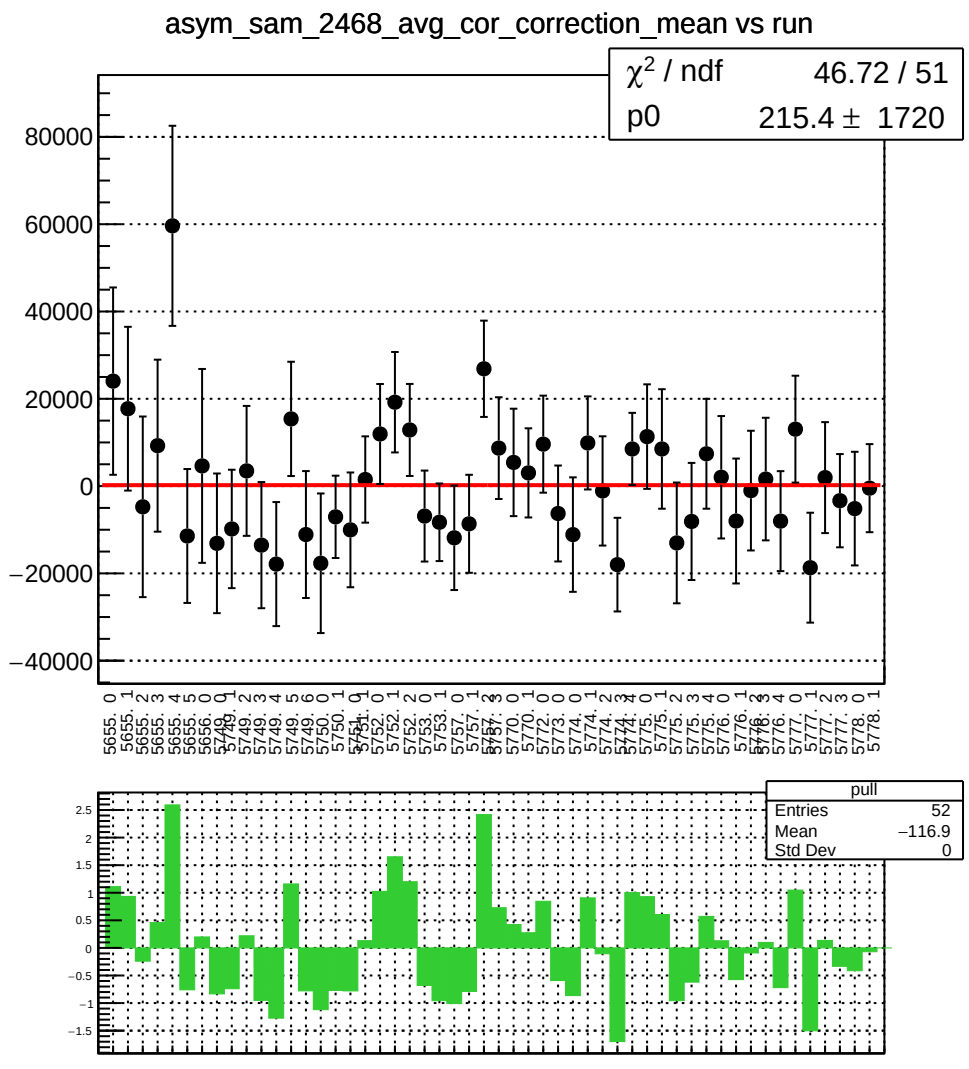

pull1D
Entries 52
Mean 0.01122
Std Dev 0.9478
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

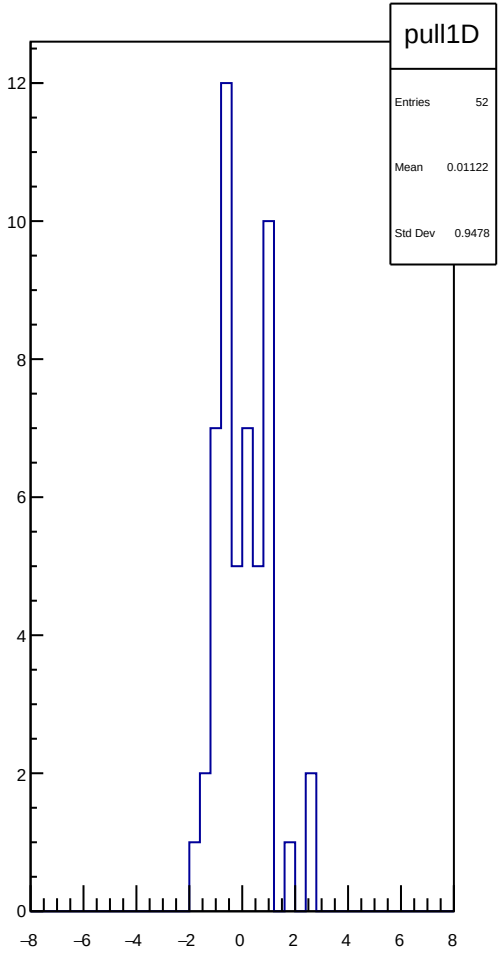

asym_sam_2468_avg_reg_correction_rms vs run
χ² / ndf 3.202e+04 / 51
p0 1255 ± 1.216
2200
2000
1800
1600
1400
1200
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

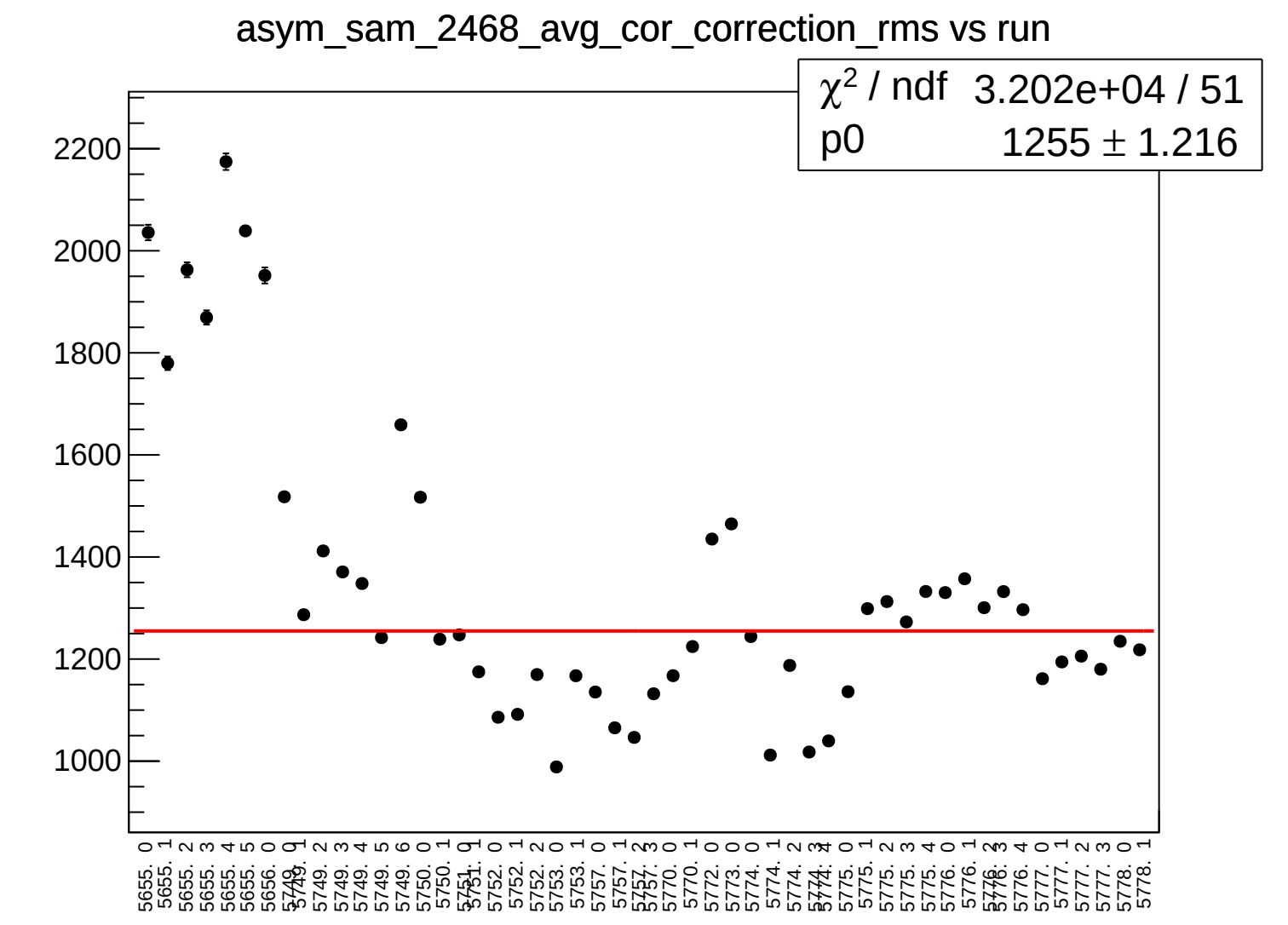

cor_asym_sam_2468_avg_mean vs run
χ² / ndf 40.45 / 51
p0 144 ± 133.7
pull
Entries 52
Mean 67.44
Std Dev 0

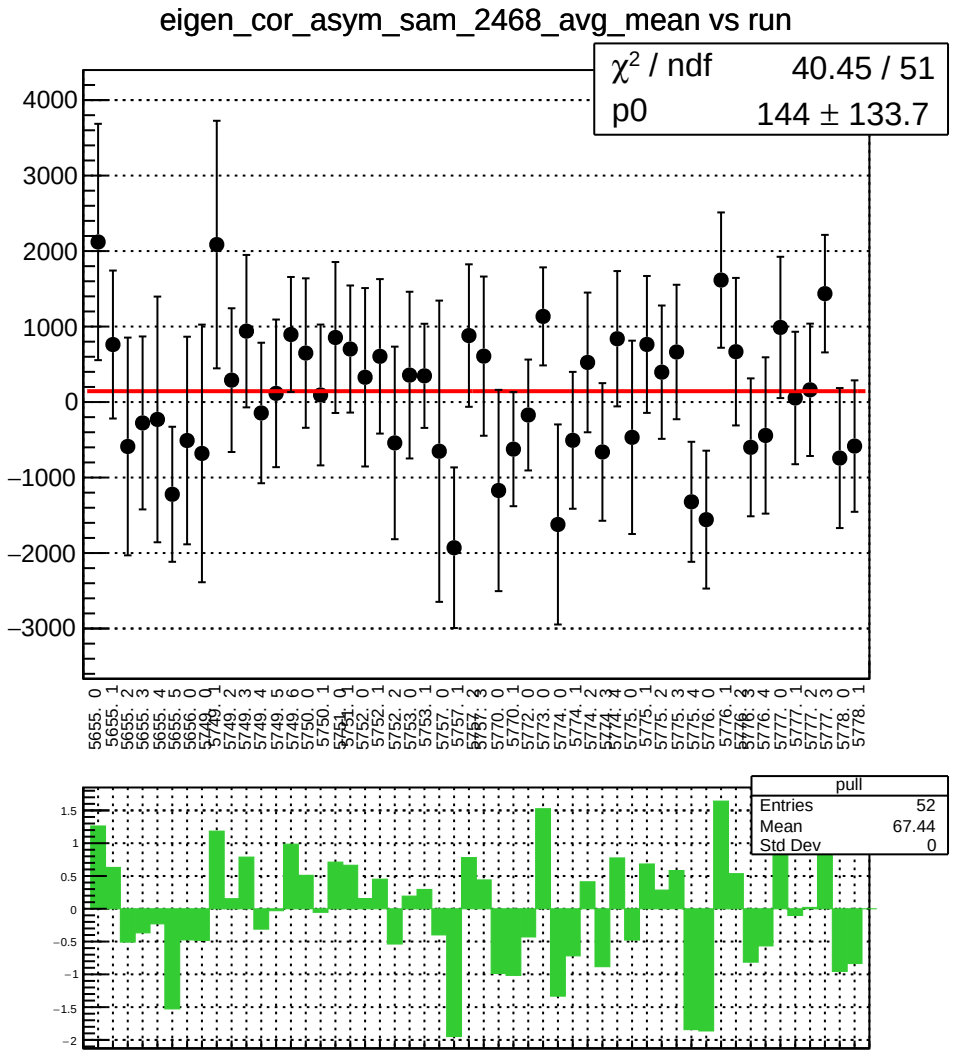

pull1D
Entries 52
Mean −0.02808
Std Dev 0.8816

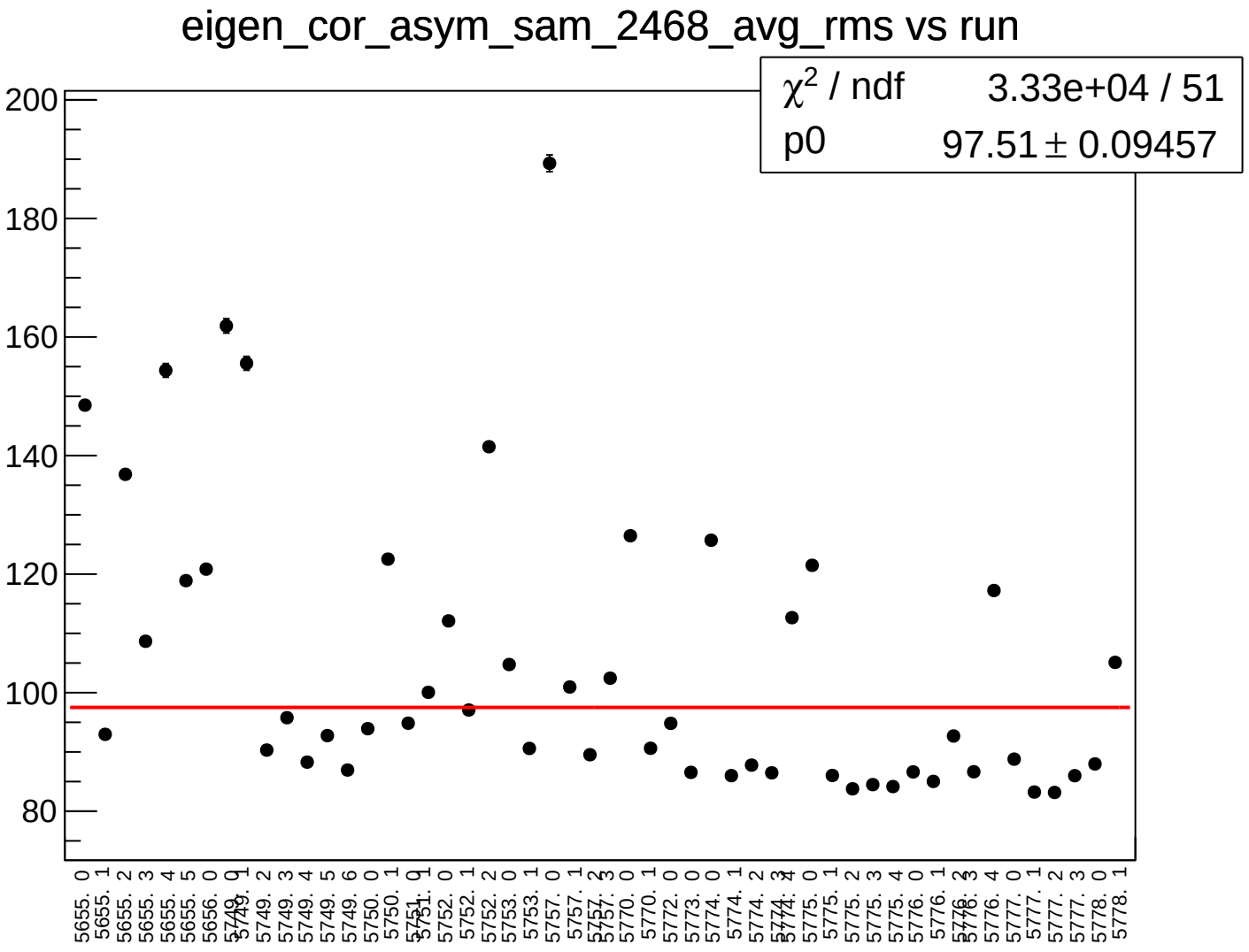

cor_asym_sam_2468_avg_rms vs run
χ^2 / ndf 3.33e+04 / 51
p0 97.51 ± 0.09457
200
180
160
140
120
100
80
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

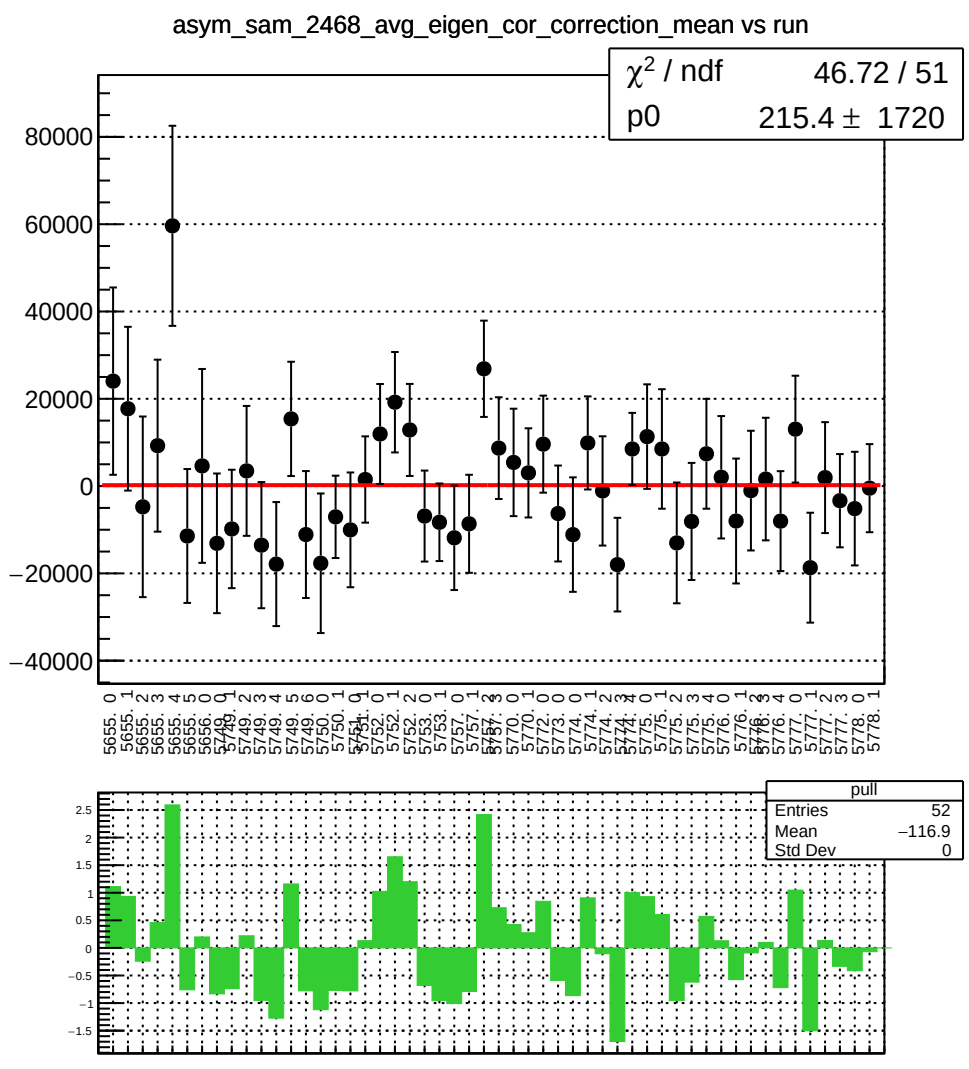

asym_sam_2468_avg_cor_correction_mean vs run
χ² / ndf 46.72 / 51
p0 215.4 ± 1720
pull
Entries 52
Mean −116.9
Std Dev 0

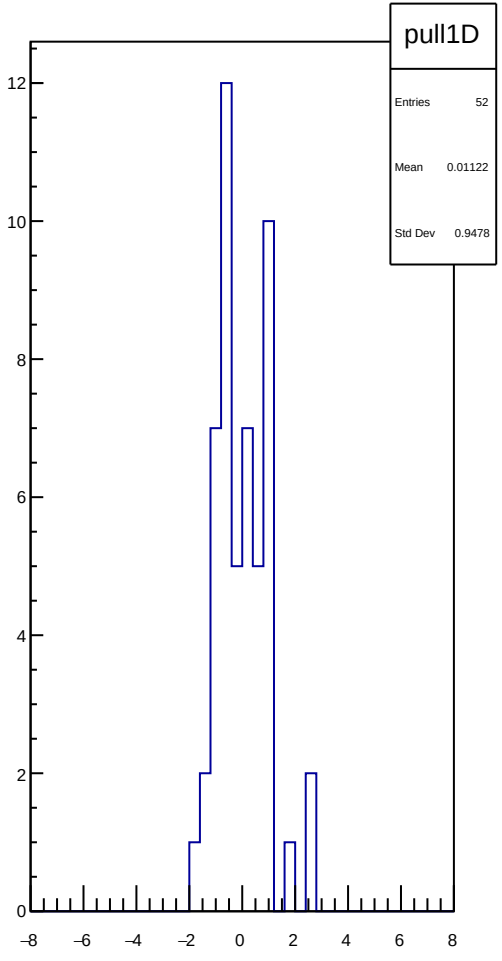

pull1D
Entries 52
Mean 0.01122
Std Dev 0.9478

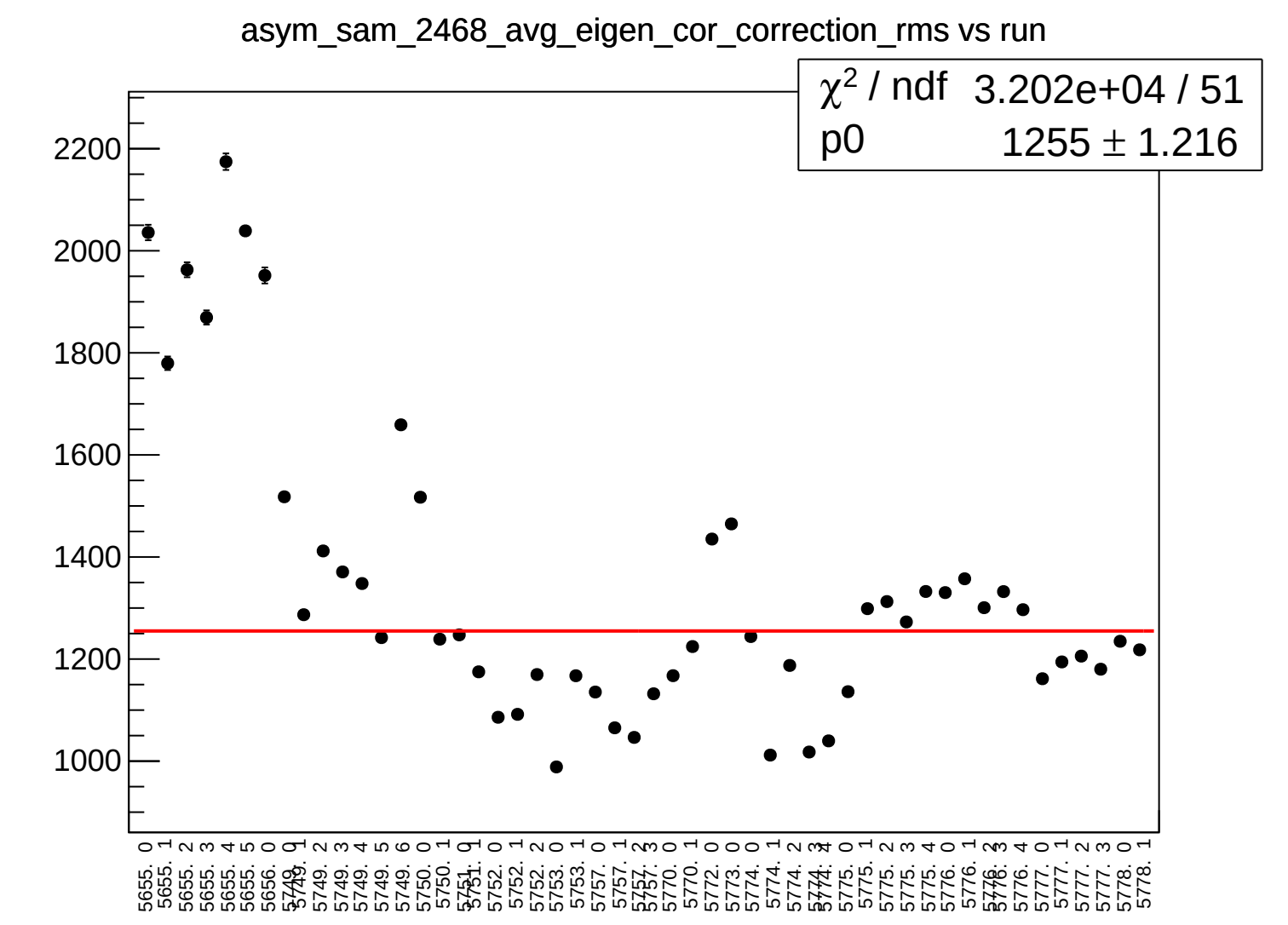

asym_sam_2468_avg_cor_correction_rms vs run
χ² / ndf 3.202e+04 / 51
p0 1255 ± 1.216
2200
2000
1800
1600
1400
1200
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

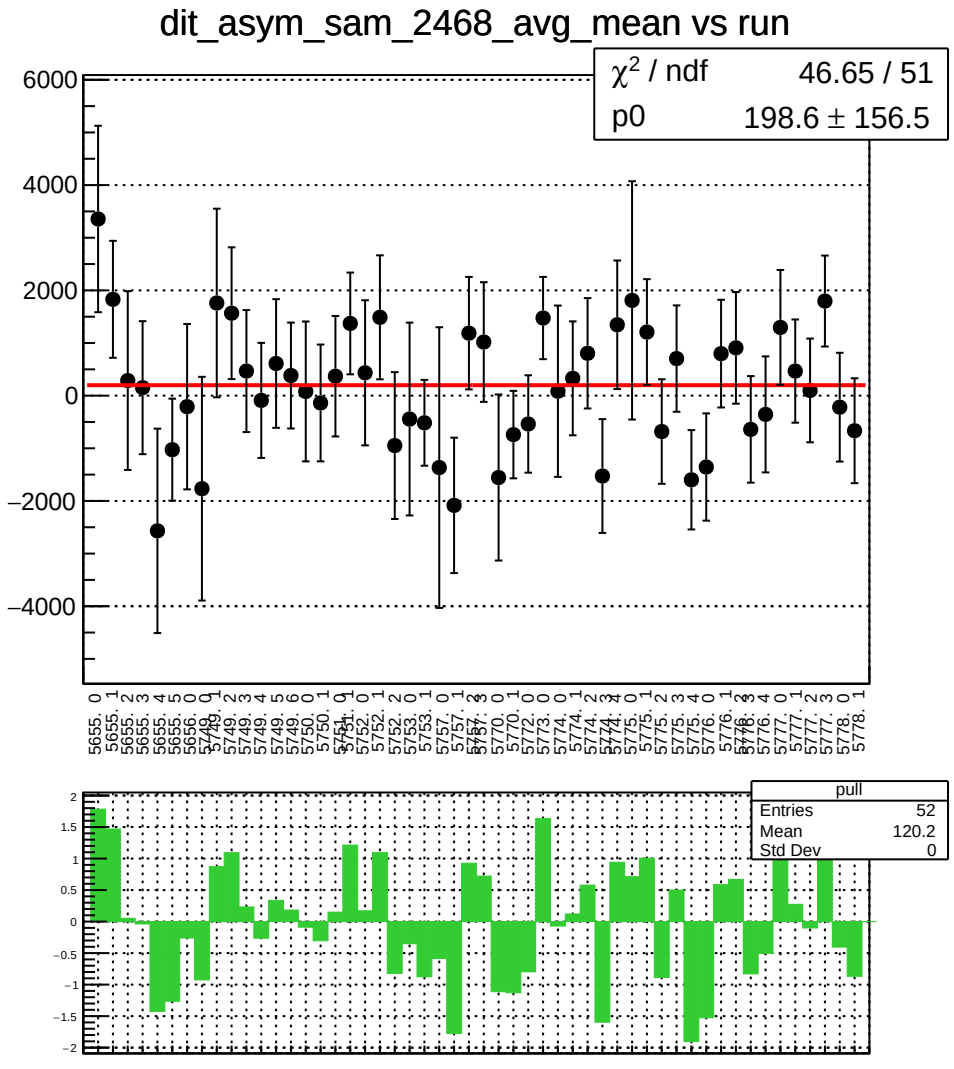

eigen_cor_asym_sam_2468_avg_mean vs run
χ² / ndf 40.45 / 51
p0 144 ± 133.7
pull
Entries 52
Mean 67.44
Std Dev 0
pull1D
Entries 52
Mean −0.02808
Std Dev 0.8816

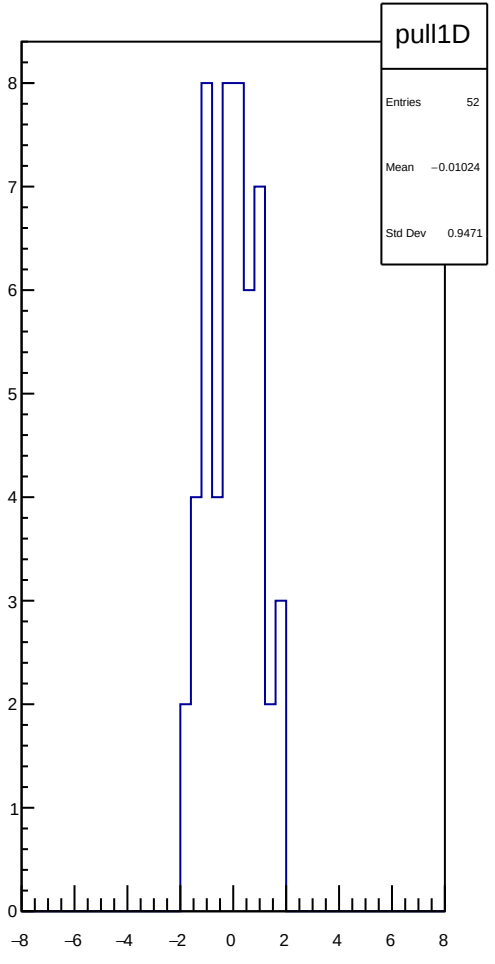

eigen_cor_asym_sam_2468_avg_rms vs run
χ^2 / ndf 3.33e+04 / 51
p0 97.51 ± 0.09457
200
180
160
140
120
100
80
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

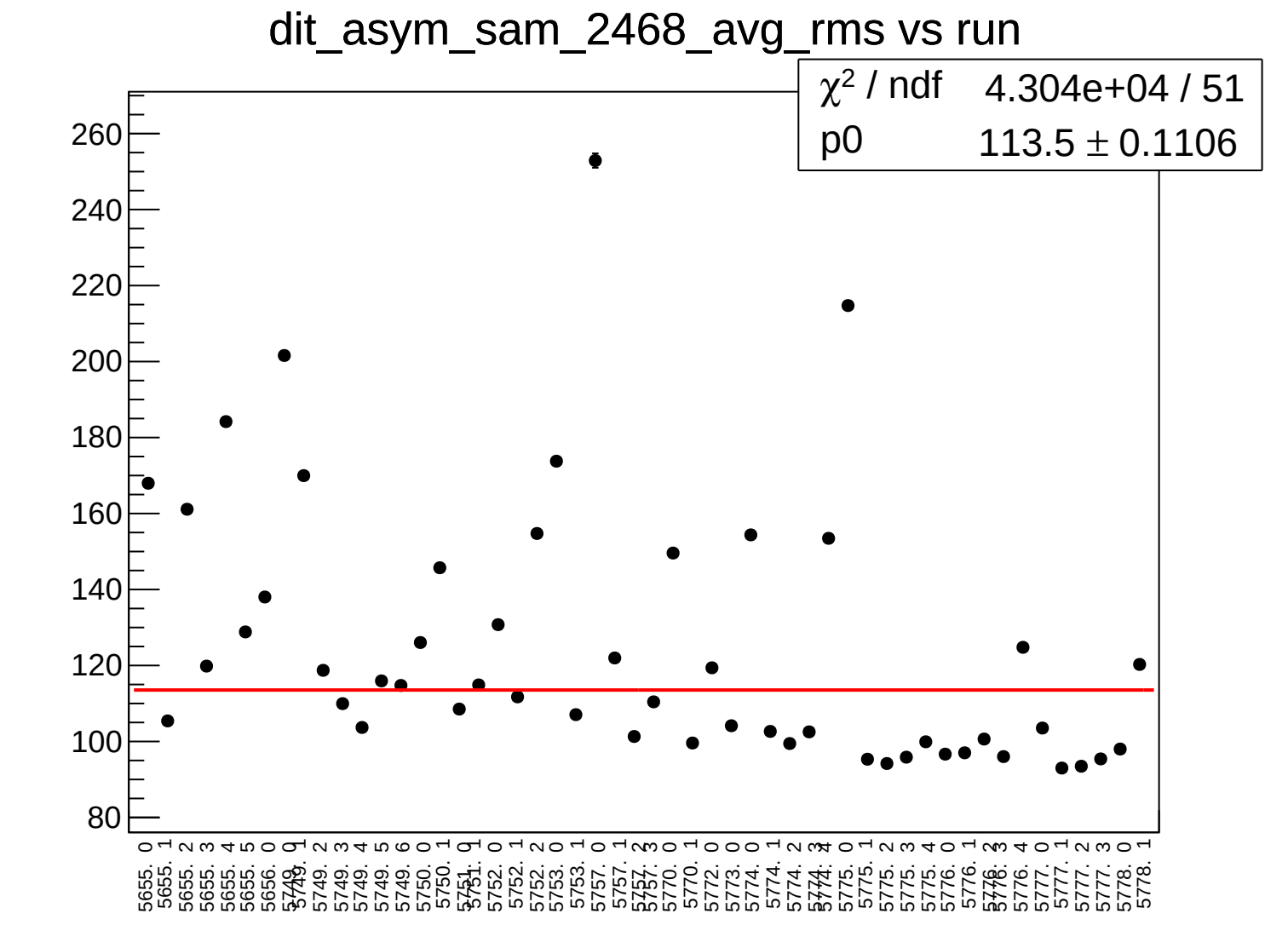

asym_sam_2468_avg_eigen_cor_correction_mean vs run
χ² / ndf 46.72 / 51
p0 215.4 ± 1720
pull
Entries 52
Mean −116.9
Std Dev 0

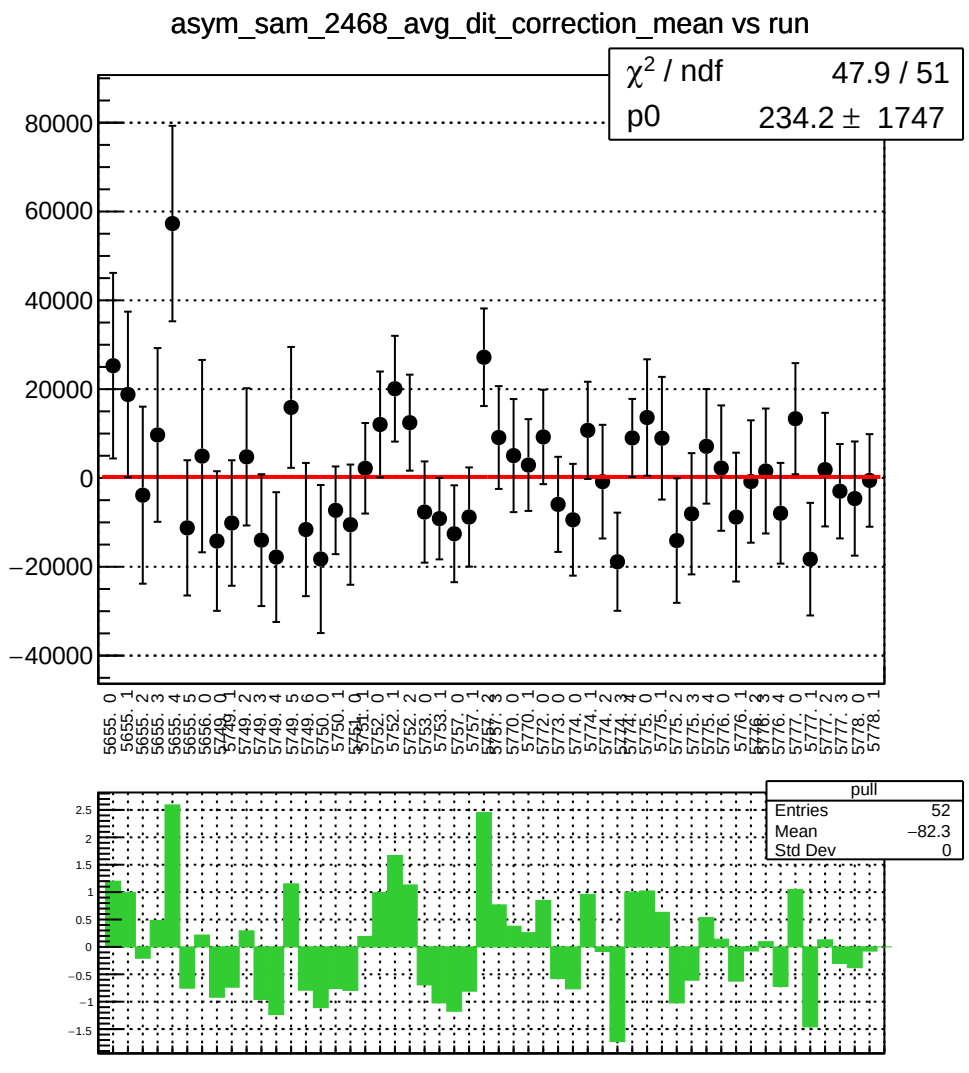

pull1D
Entries 52
Mean 0.01122
Std Dev 0.9478

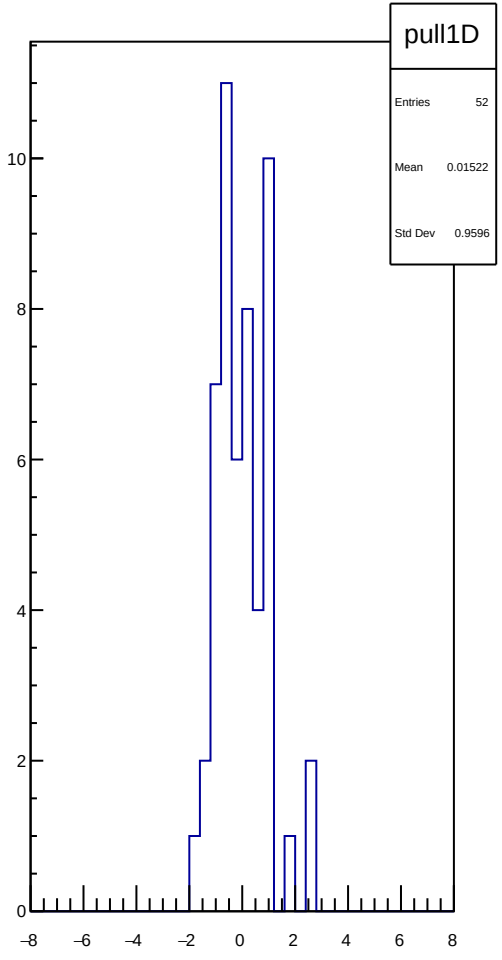

asym_sam_2468_avg_eigen_cor_correction_rms vs run
χ² / ndf 3.202e+04 / 51
p0 1255 ± 1.216
2200
2000
1800
1600
1400
1200
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

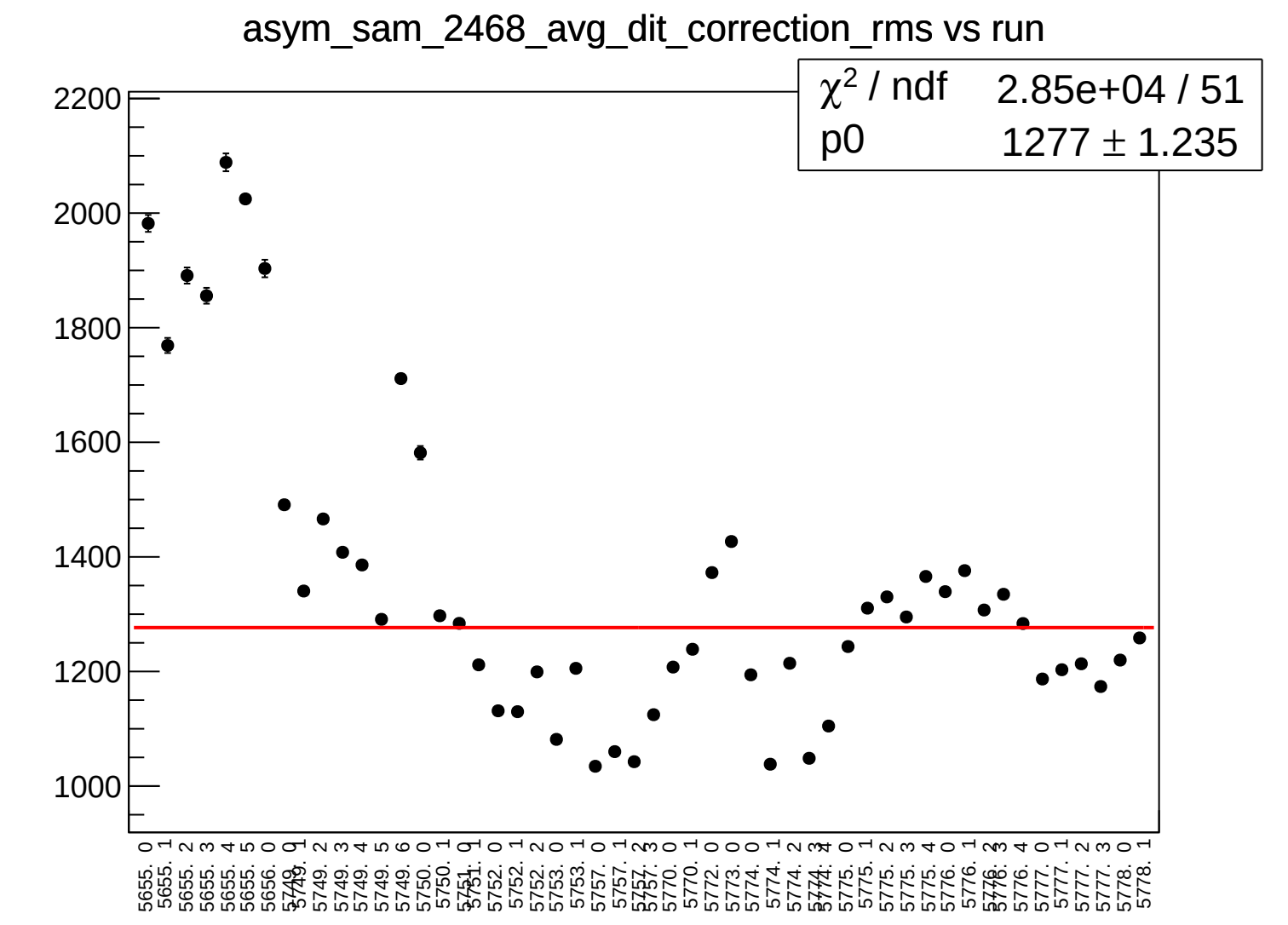

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 46.65 / 51
p0 198.6 ± 156.5
pull
Entries 52
Mean 120.2
Std Dev 0

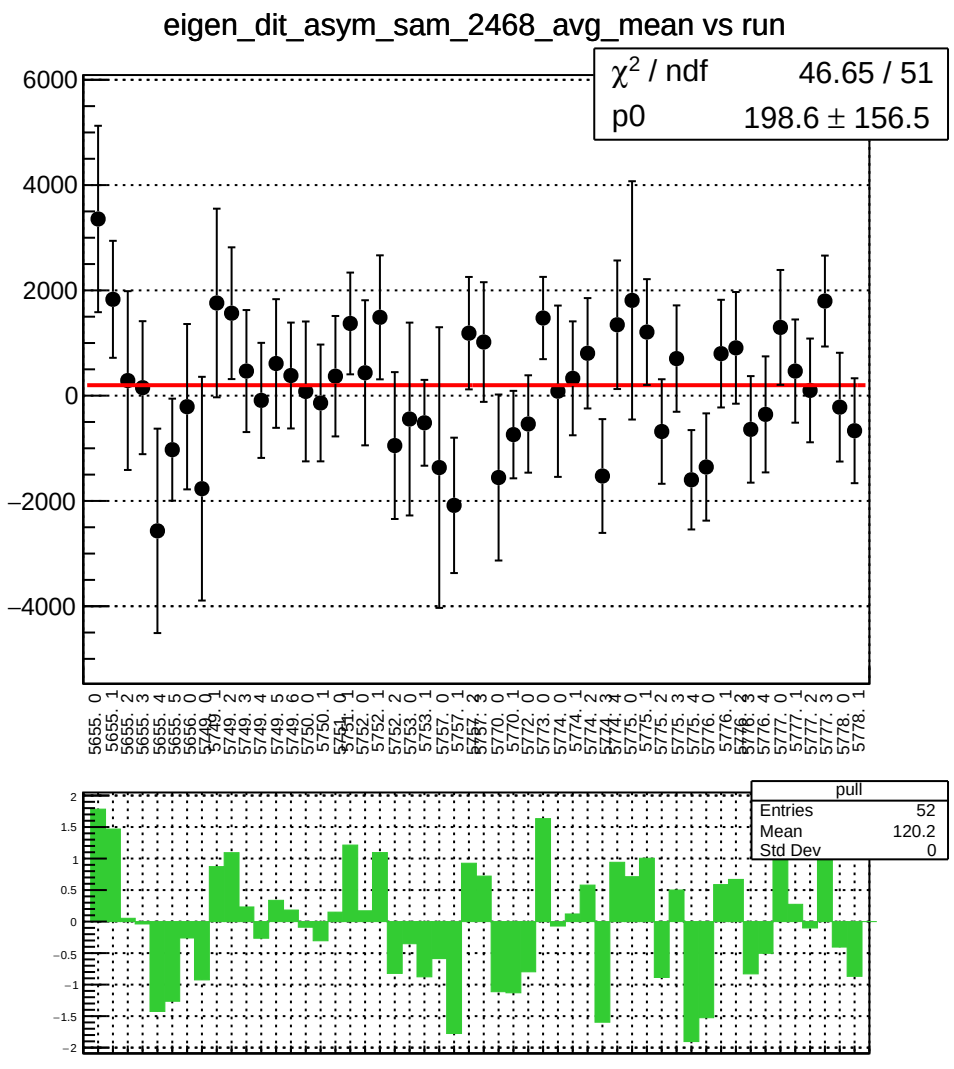

pull1D
Entries 52
Mean −0.01024
Std Dev 0.9471

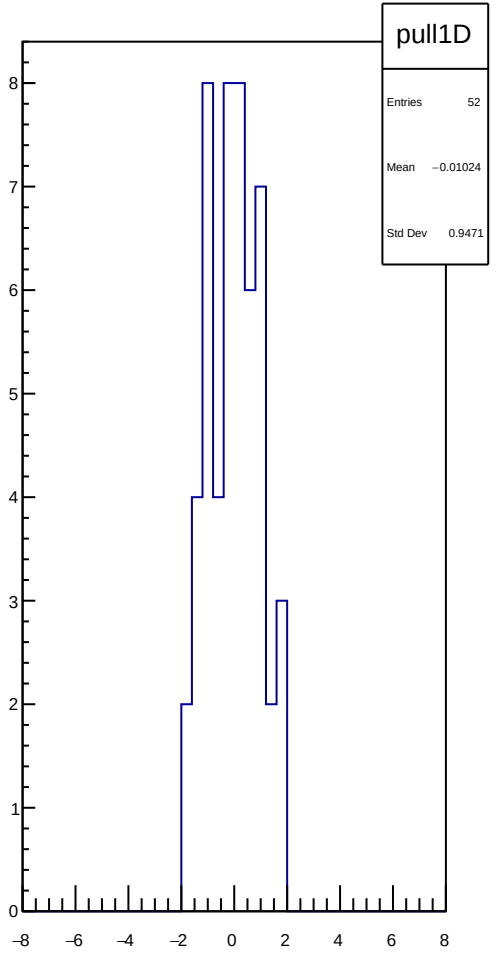

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 4.304e+04 / 51
p0 113.5 ± 0.1106
260
240
220
200
180
160
140
120
100
80
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

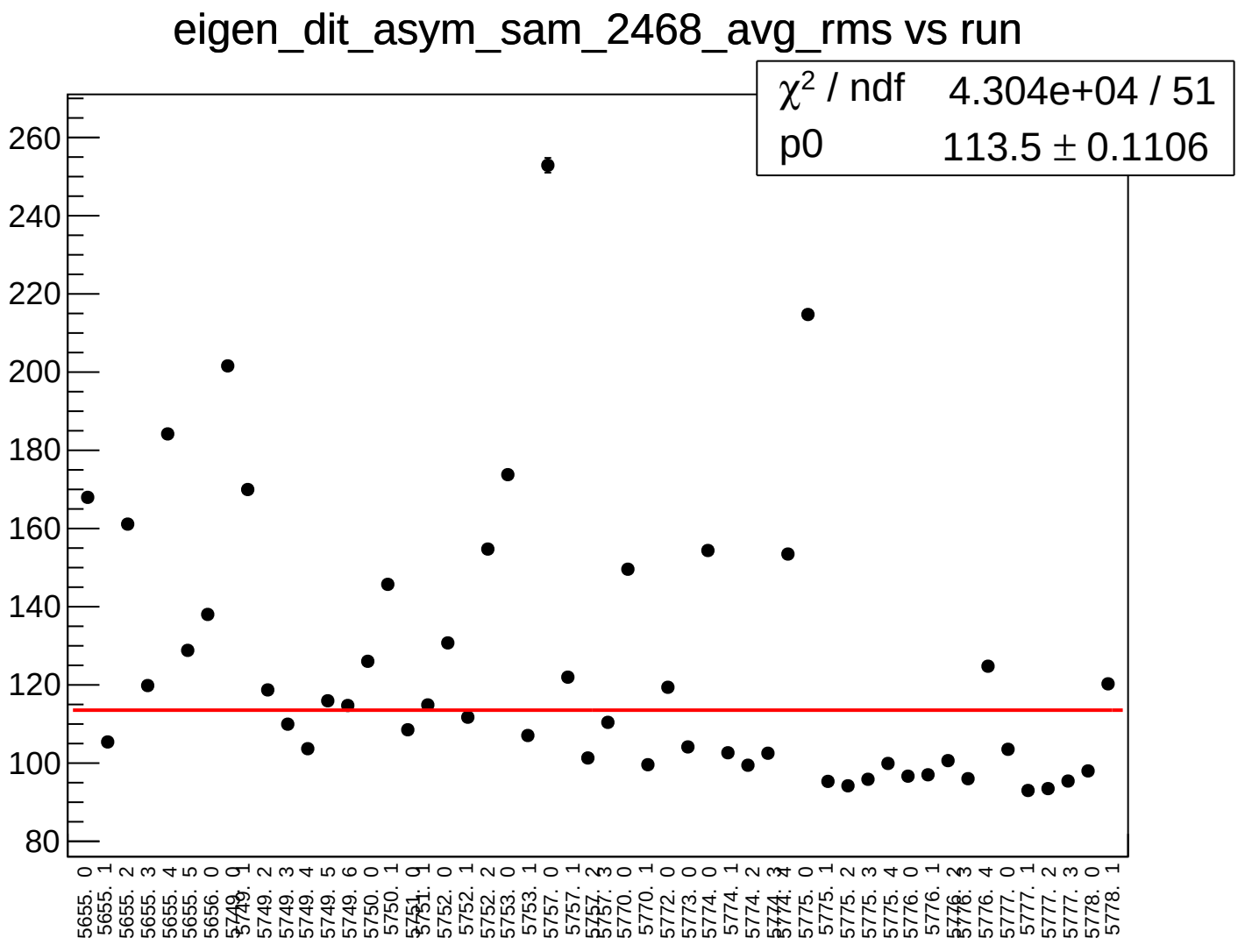

asym_sam_2468_avg_dit_correction_mean vs run
χ² / ndf 47.9 / 51
p0 234.2 ± 1747
pull
Entries 52
Mean −82.3
Std Dev 0


pull1D
Entries 52
Mean 0.01522
Std Dev 0.9596

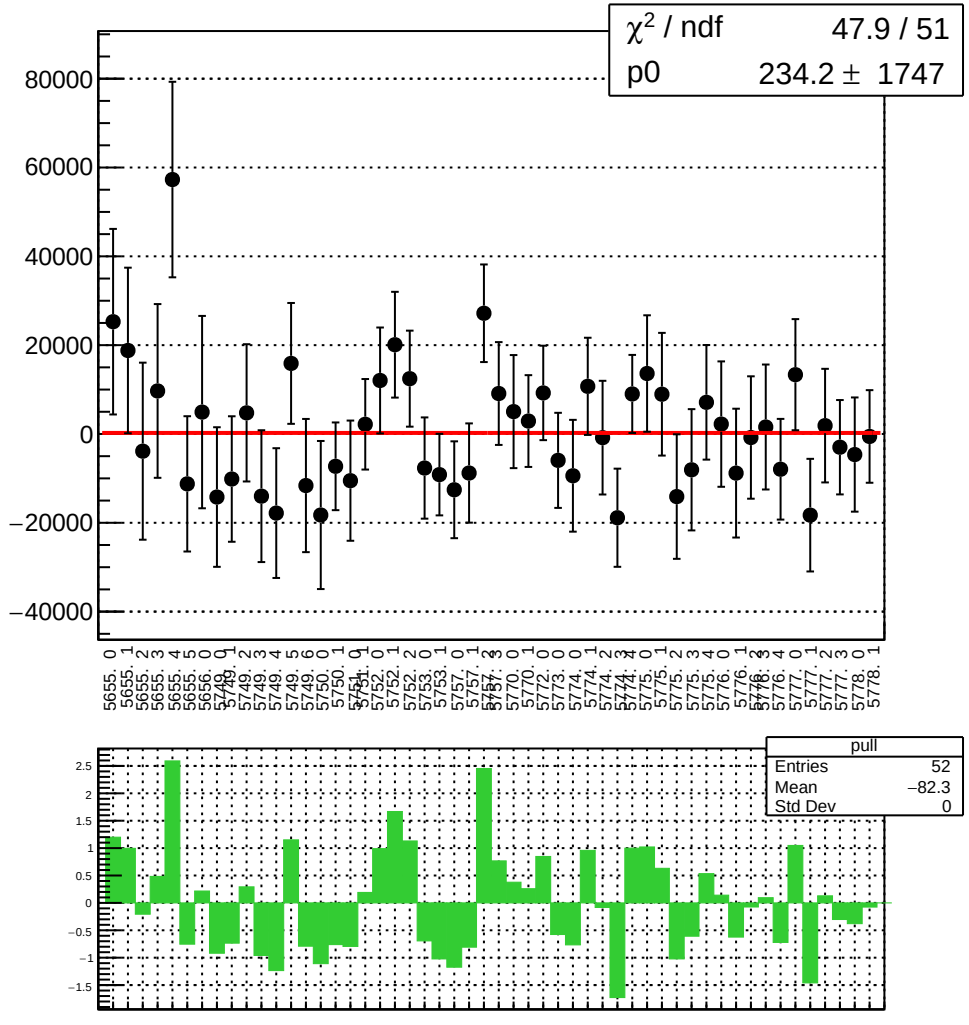

asym_sam_2468_avg_dit_correction_rms vs run
χ² / ndf 2.85e+04 / 51
p0 1277 ± 1.235
2200
2000
1800
1600
1400
1200
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

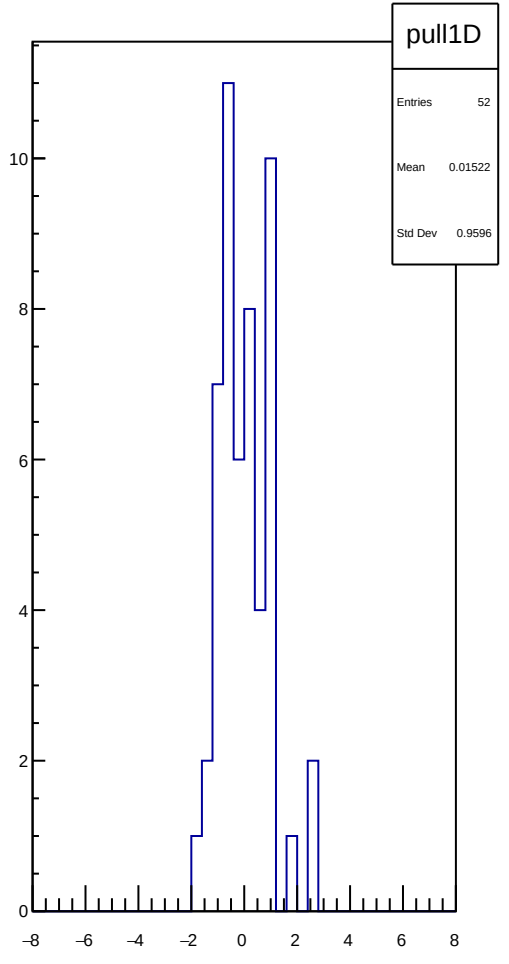

eigen_dit_asym_sam_2468_avg_mean vs run
χ² / ndf 46.65 / 51
p0 198.6 ± 156.5
pull
Entries 52
Mean 120.2
Std Dev 0

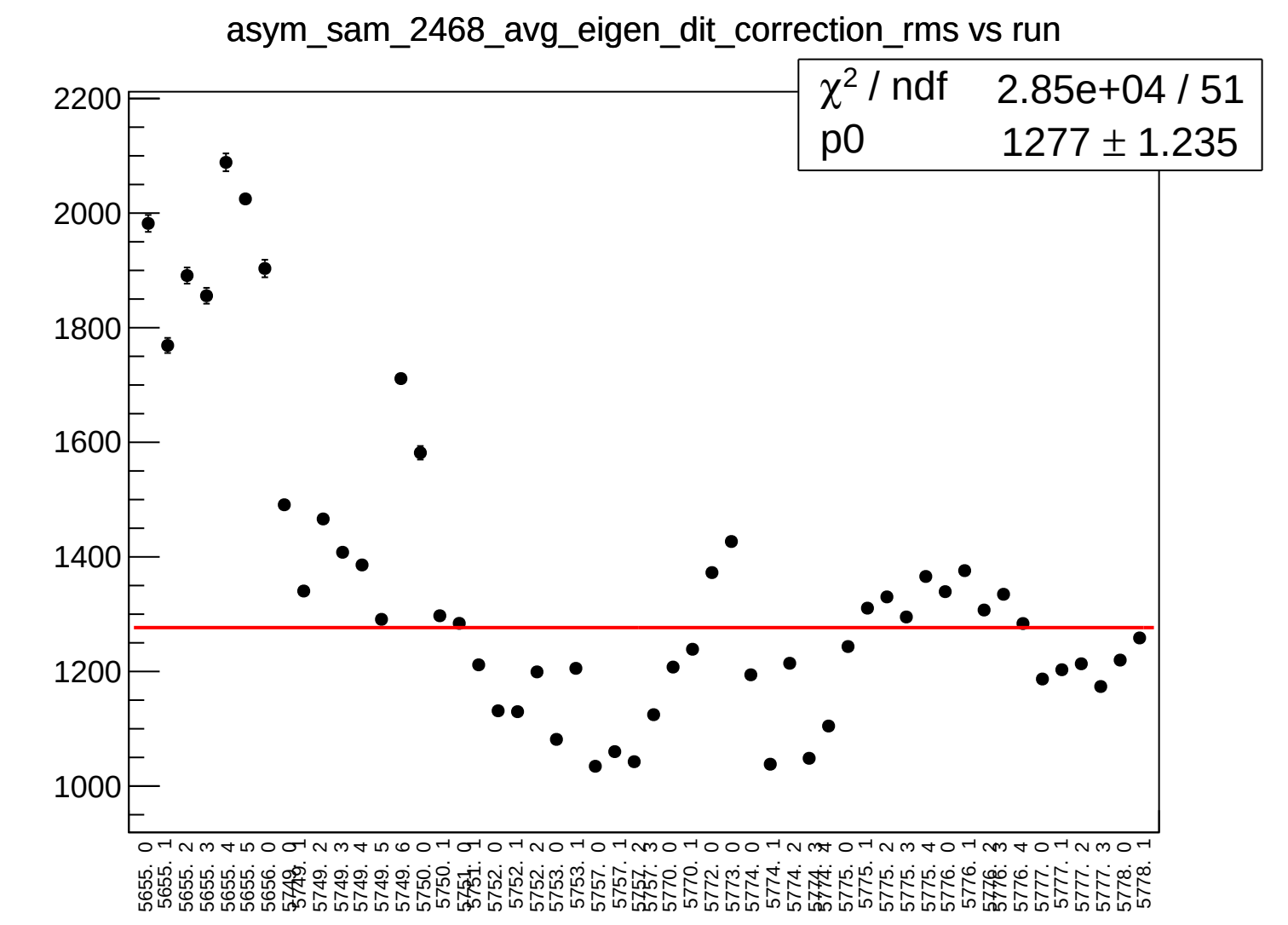

pull1D
Entries 52
Mean −0.01024
Std Dev 0.9471

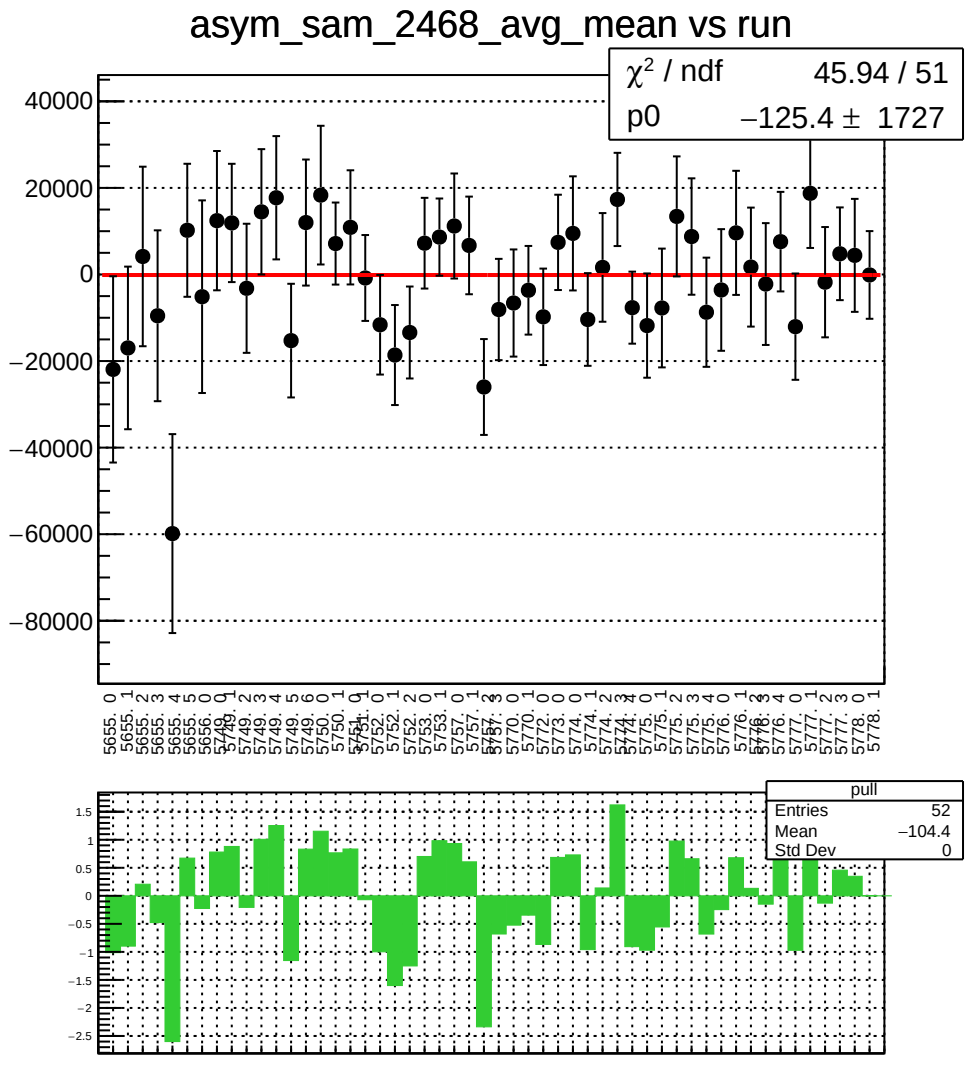

eigen_dit_asym_sam_2468_avg_rms vs run
χ² / ndf 4.304e+04 / 51
p0 113.5 ± 0.1106
260
240
220
200
180
160
140
120
100
80
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

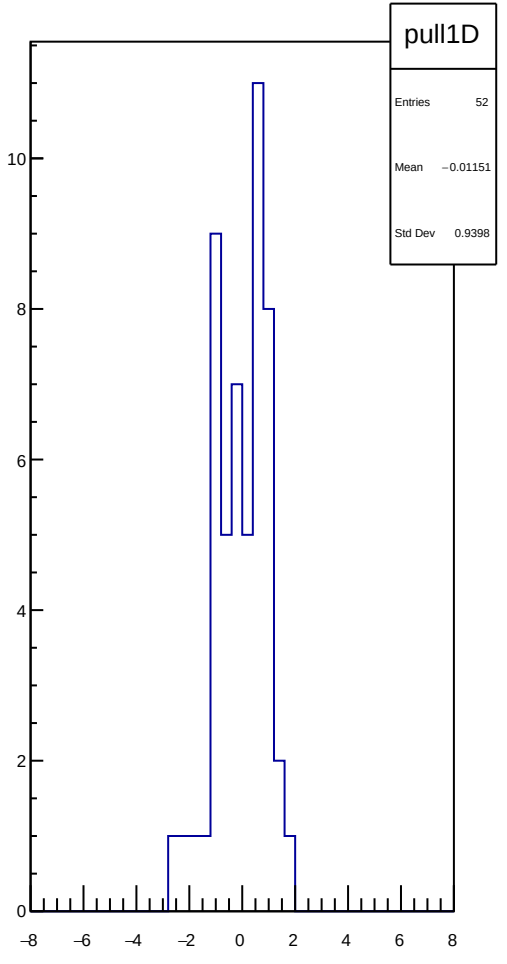
asym_sam_2468_avg_eigen_dit_correction_mean vs run

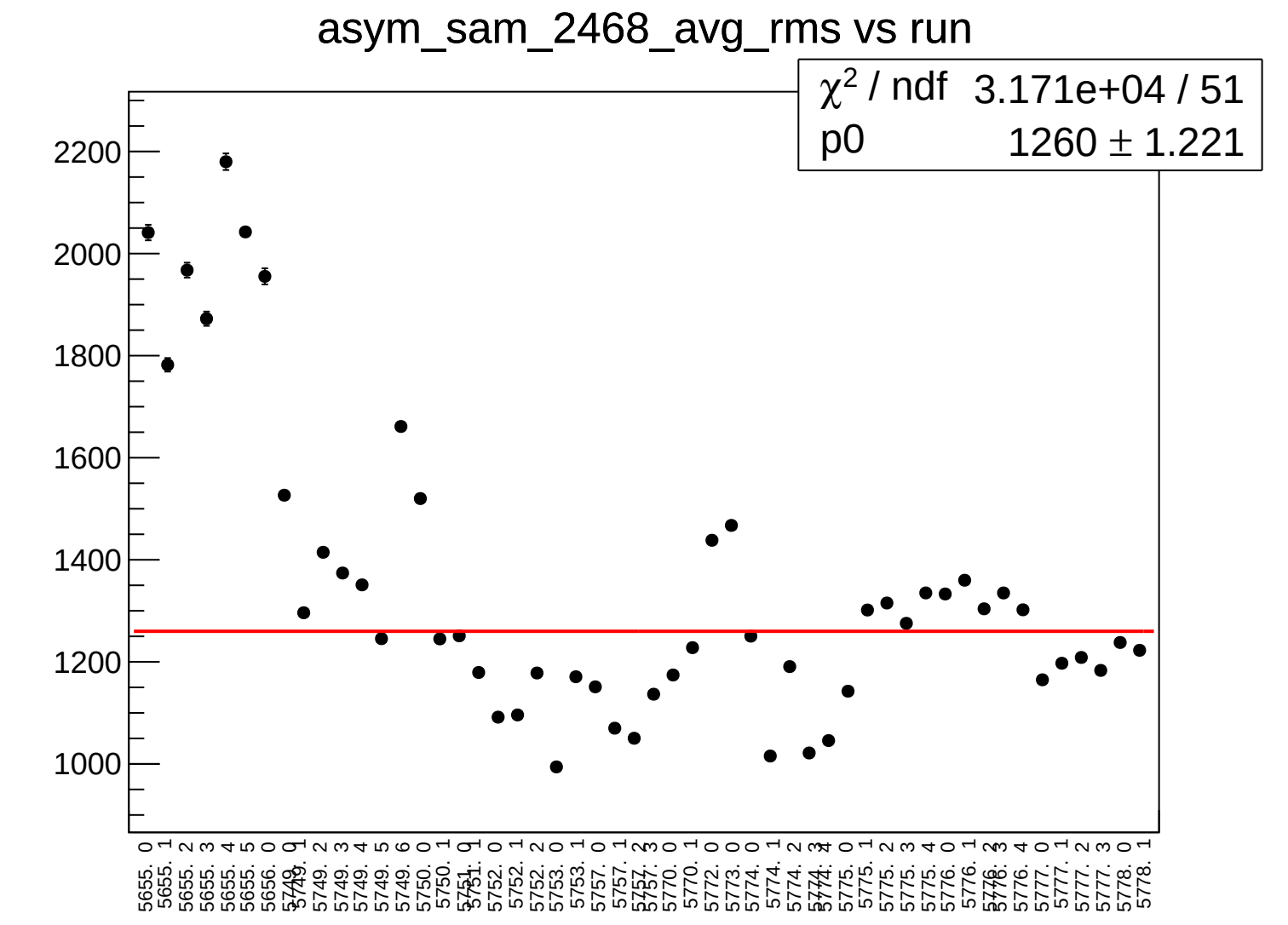





asym_sam_2468_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.85e+04 / 51
p0 1277 ± 1.235
2200
2000
1800
1600
1400
1200
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_2468_avg_mean vs run
χ² / ndf 45.94 / 51
p0 −125.4 ± 1727
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean −104.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 52
Mean −0.01151
Std Dev 0.9398
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_2468_avg_rms vs run
χ² / ndf 3.171e+04 / 51
p0 1260 ± 1.221
2200
2000
1800
1600
1400
1200
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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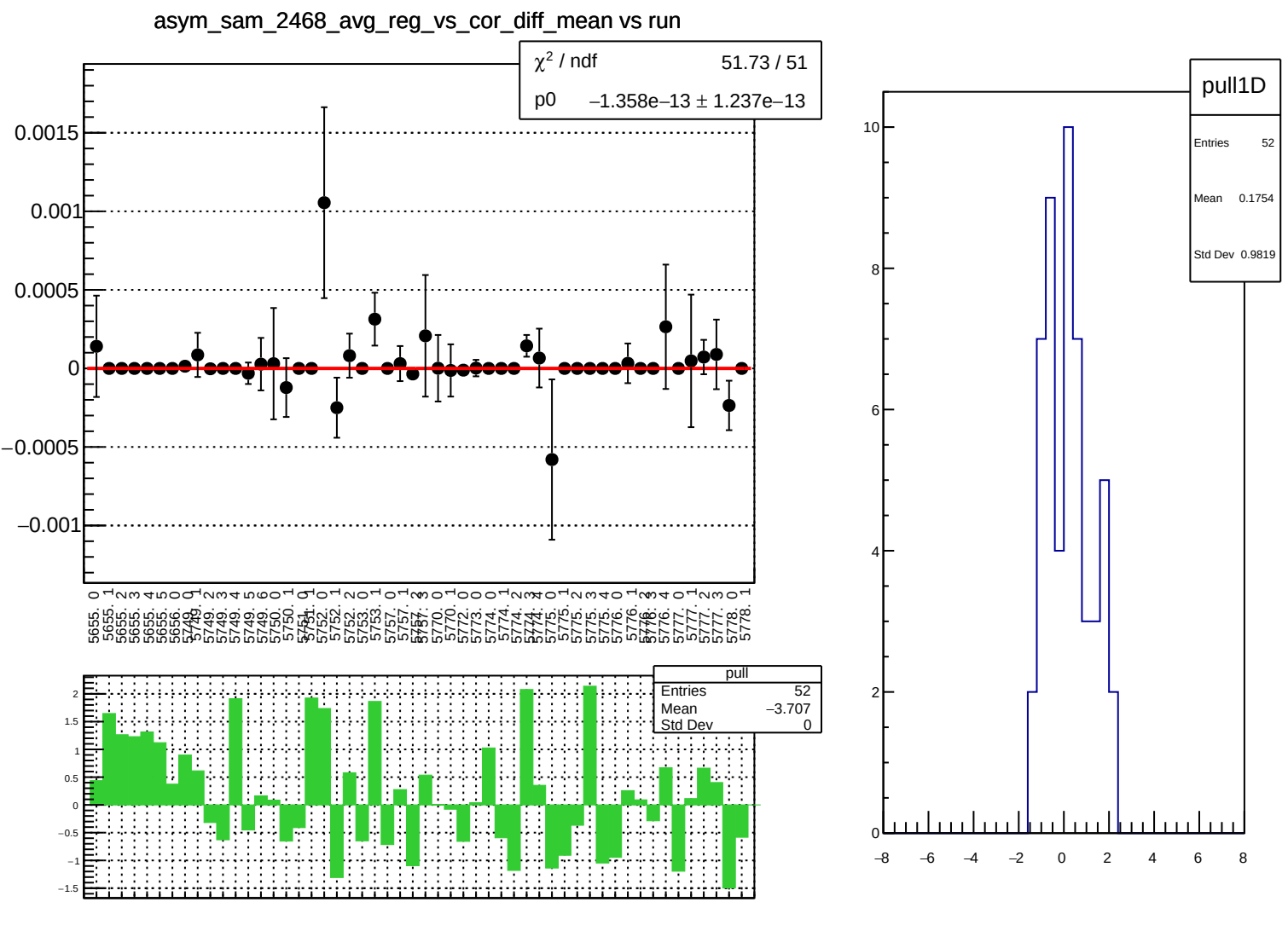
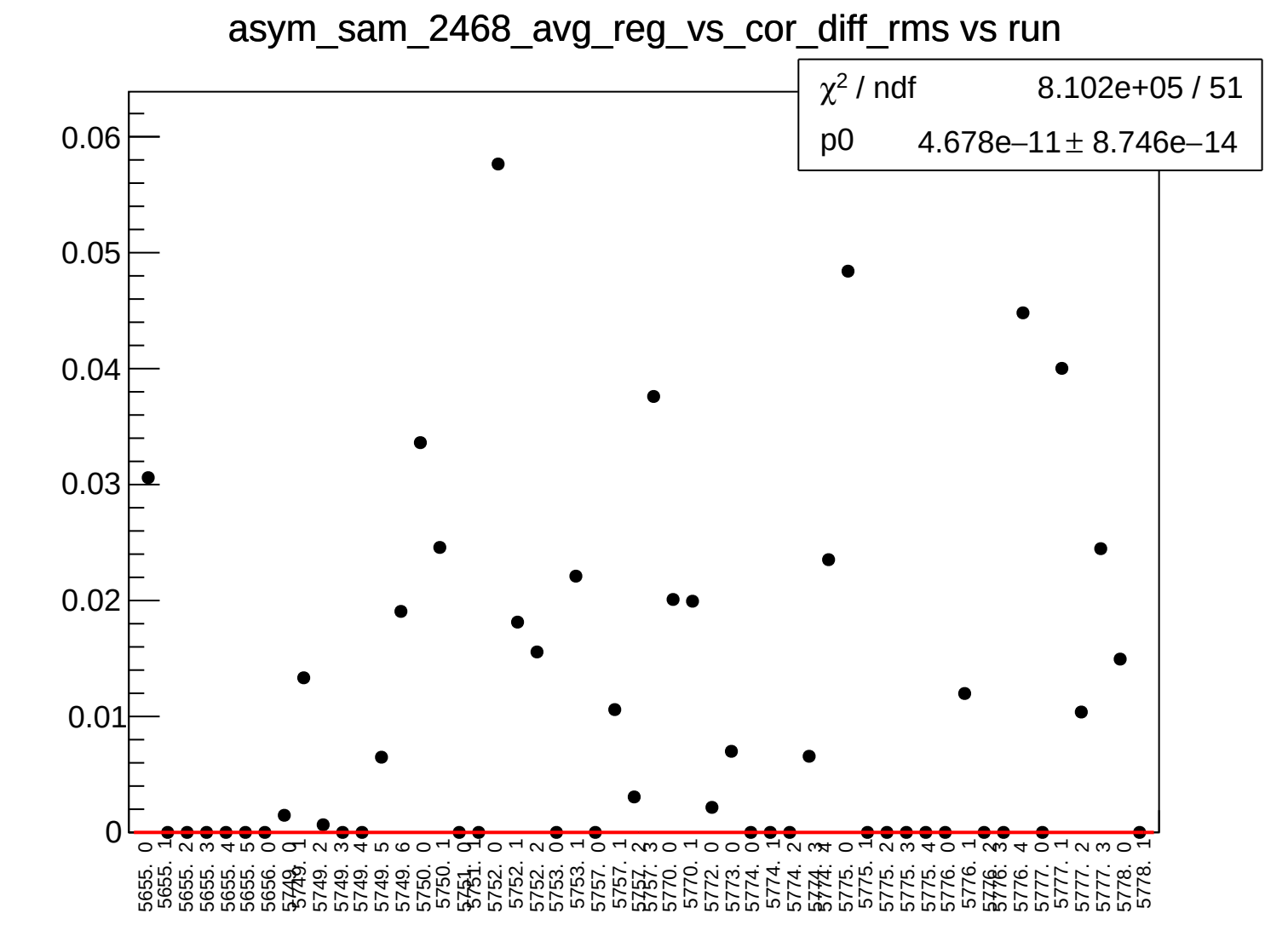
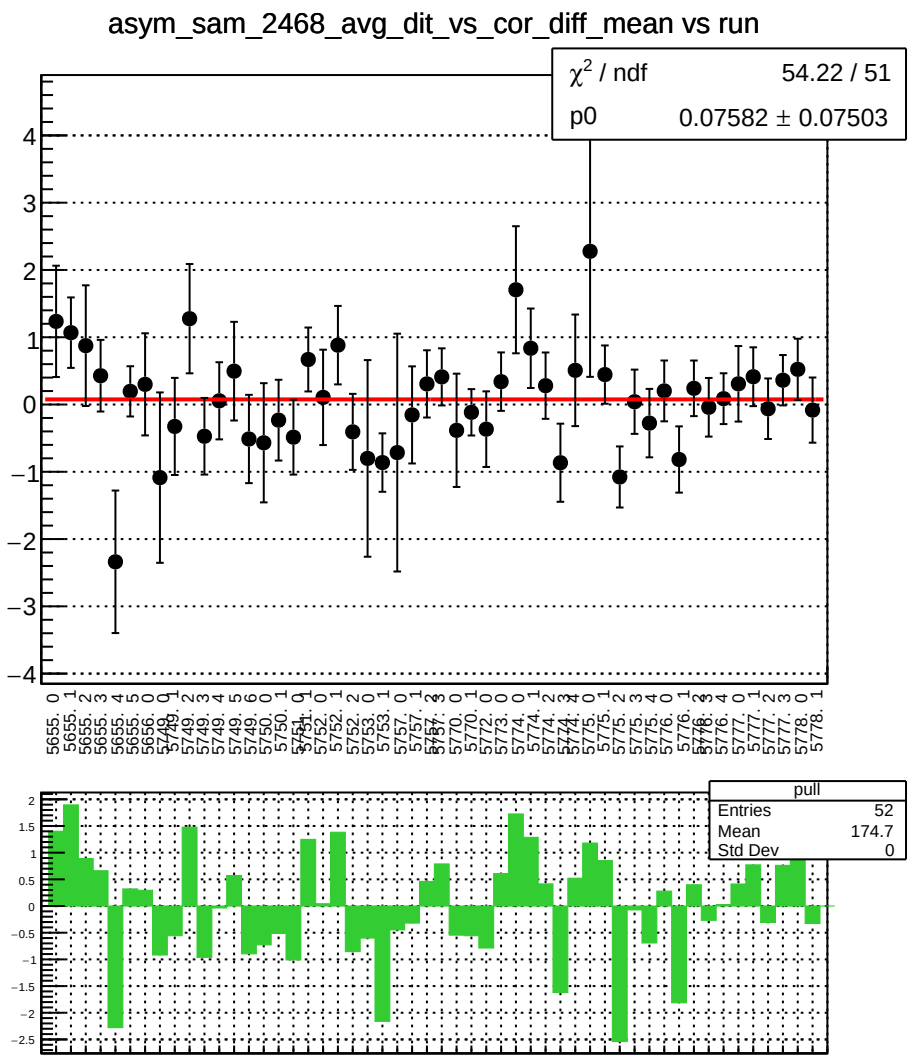
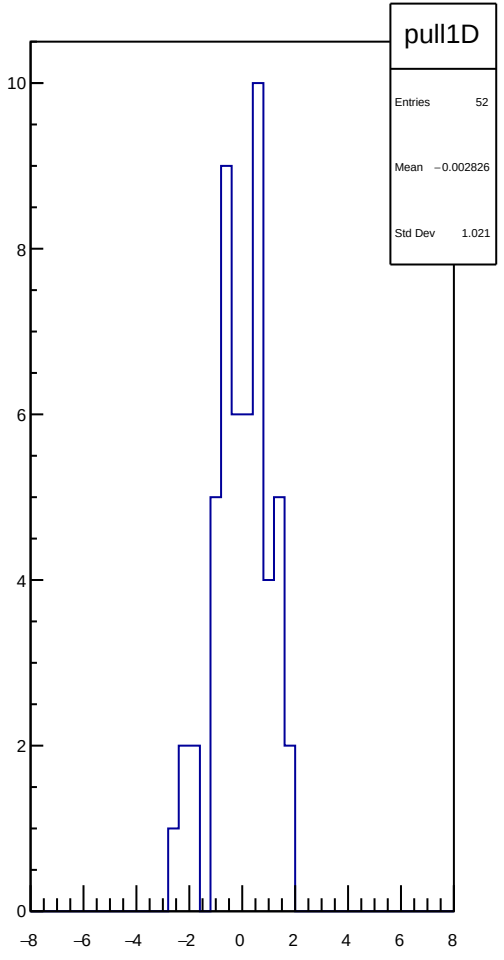
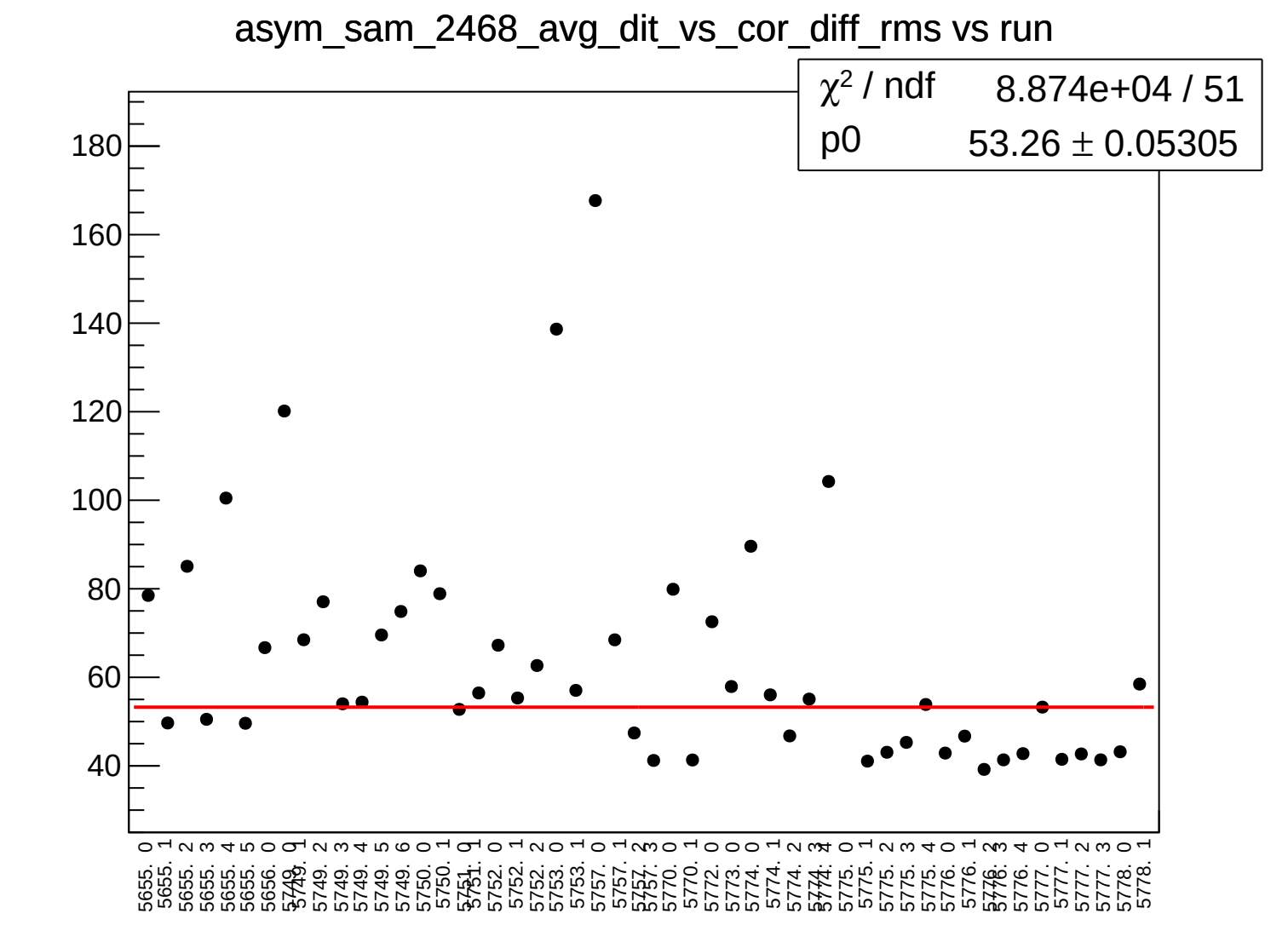
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

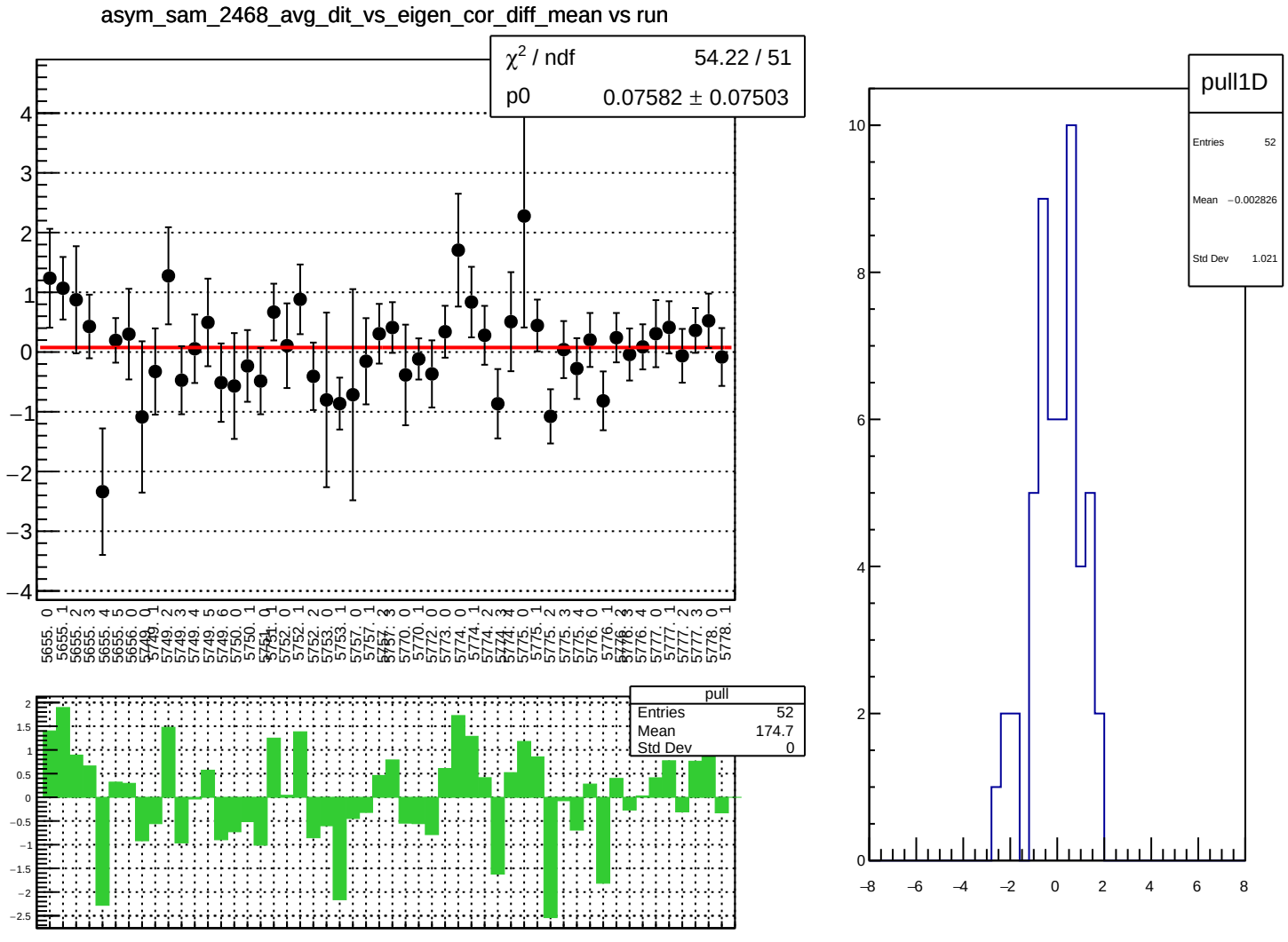

asym_sam_2468_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 51.73 / 51
p0 −1.358e−13 ± 1.237e−13
0.0015
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 52
Mean −3.707
Std Dev 0
pull1D
Entries 52
Mean 0.1754
Std Dev 0.9819
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

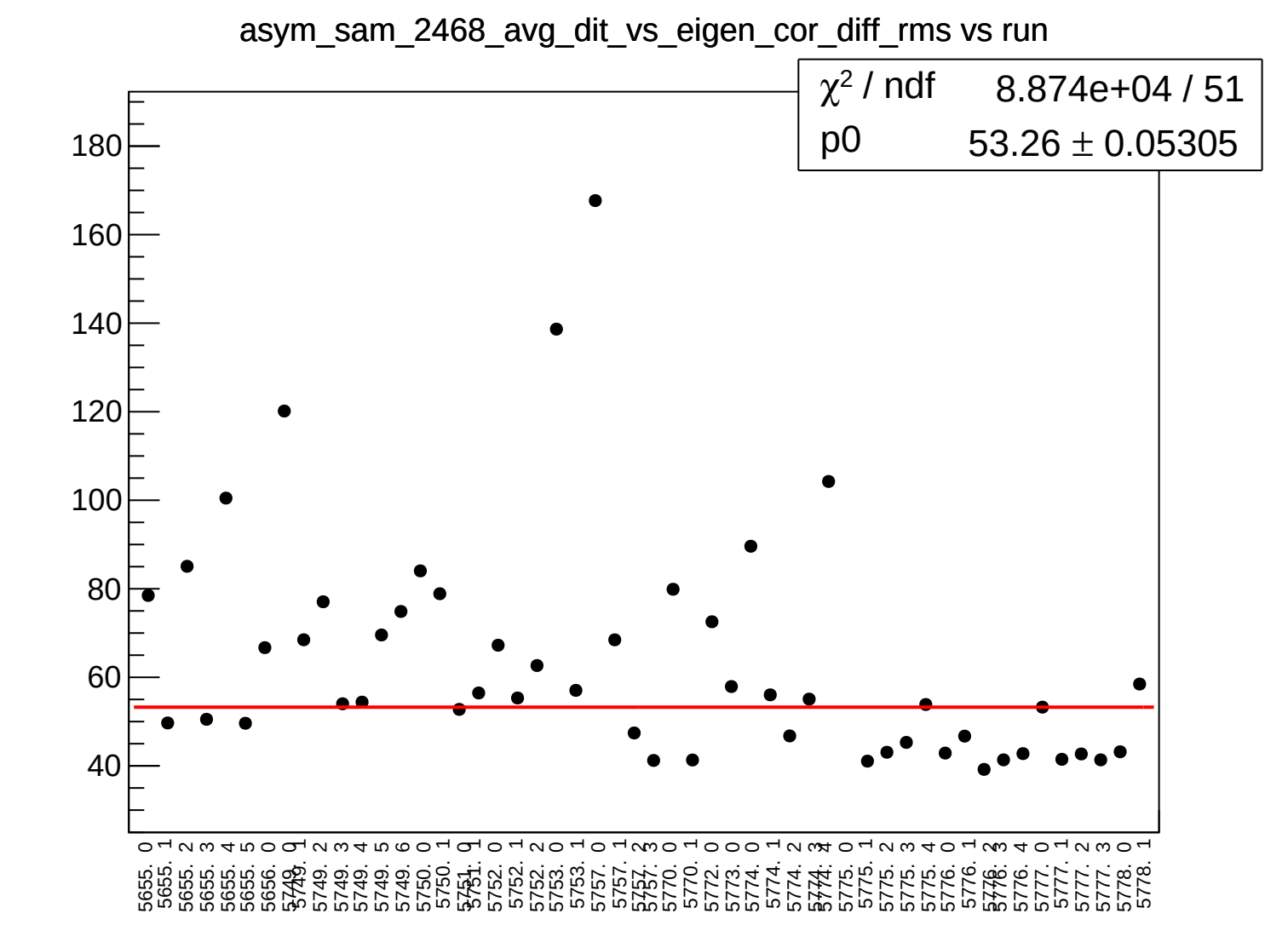

asym_sam_2468_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.102e+05 / 51
p0 4.678e−11 ± 8.746e−14
0.06
0.05
0.04
0.03
0.02
0.01
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

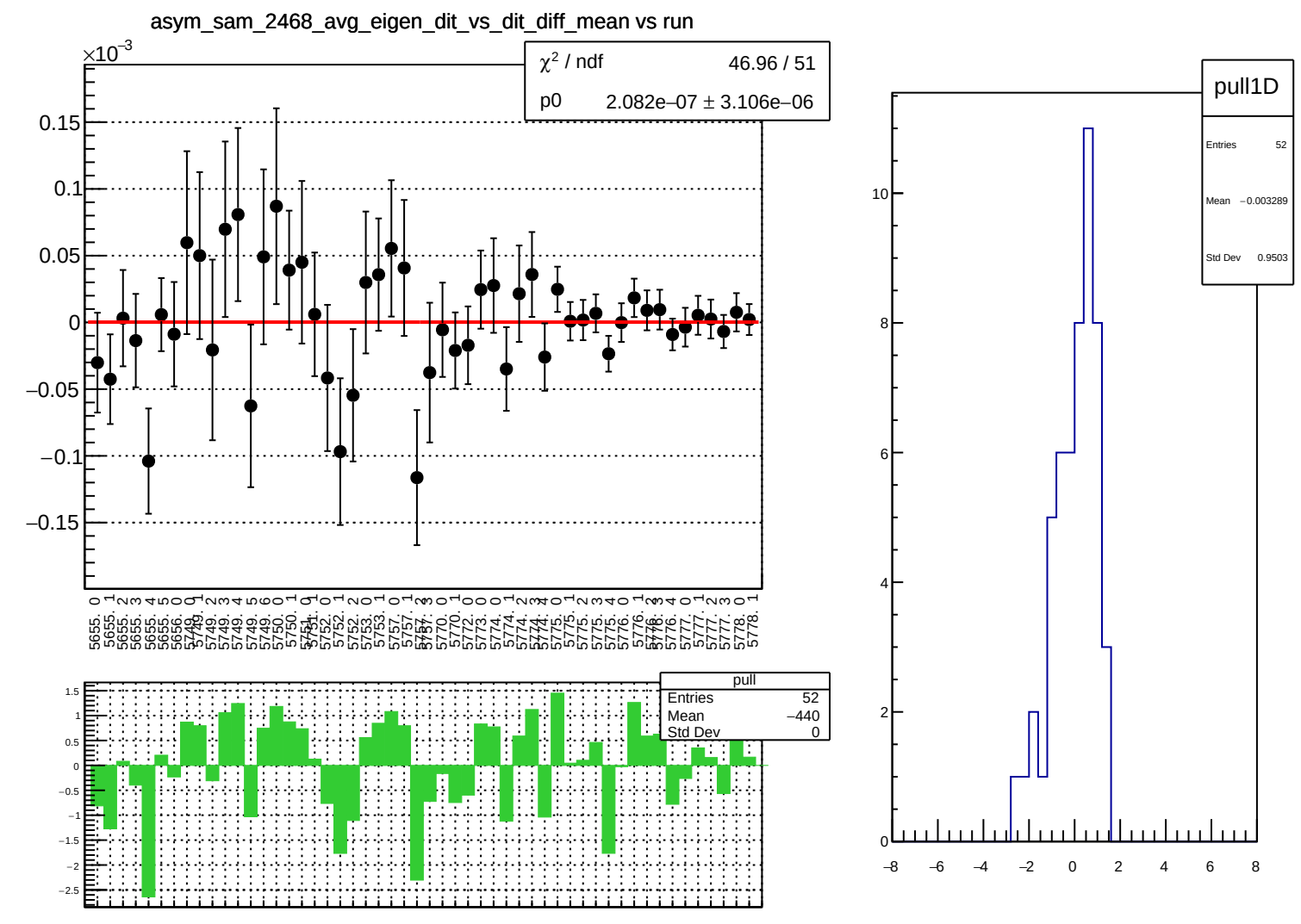

asym_sam_2468_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 54.22 / 51
p0 0.07582 ± 0.07503
pull
Entries 52
Mean 174.7
Std Dev 0

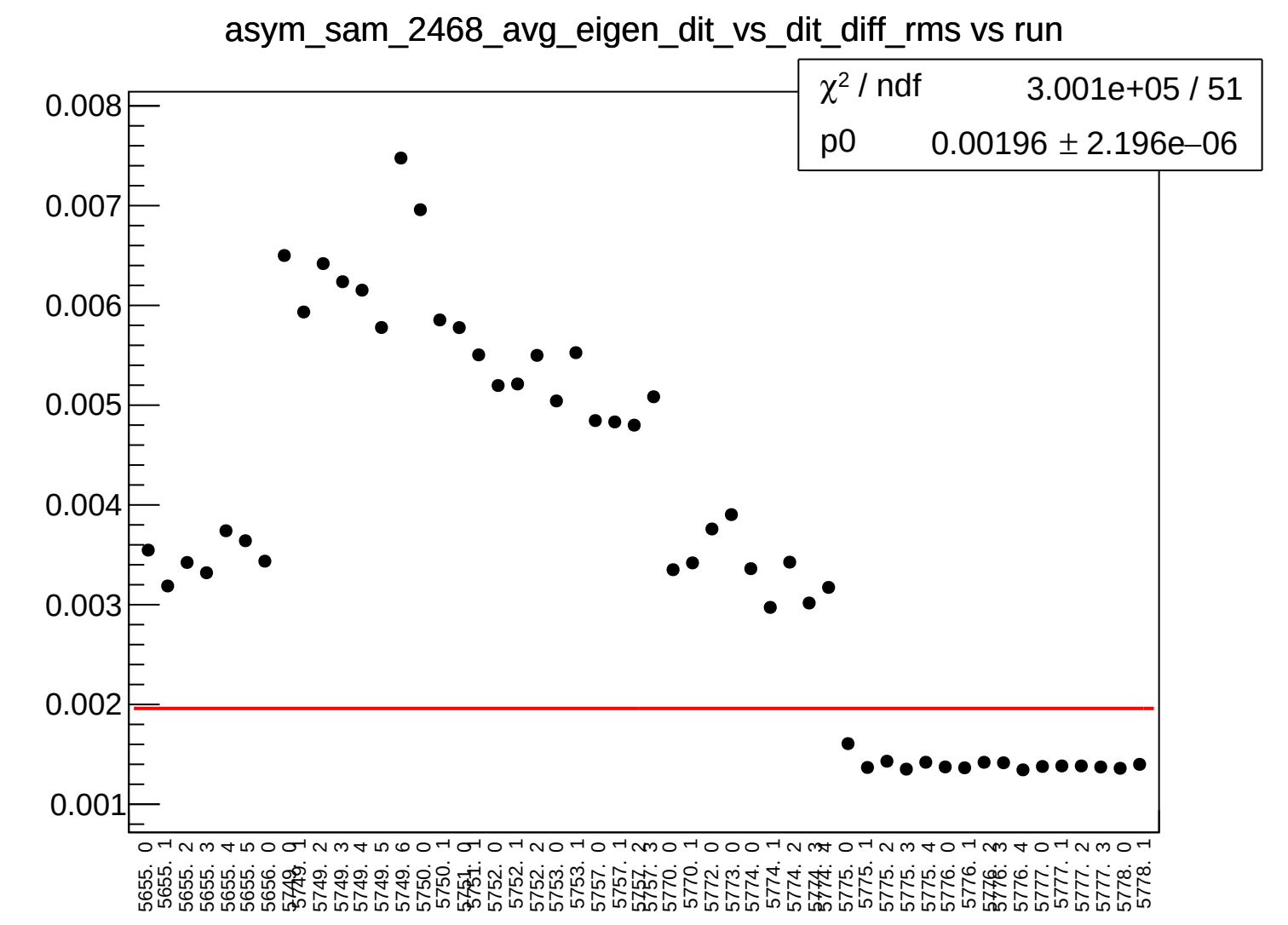

pull1D
Entries 52
Mean −0.002826
Std Dev 1.021


asym_sam_2468_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 8.874e+04 / 51
p0 53.26 ± 0.05305
180
160
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.22 / 51
p0 0.07582 ± 0.07503
pull
Entries 52
Mean 174.7
Std Dev 0
pull1D
Entries 52
Mean −0.002826
Std Dev 1.021


asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.874e+04 / 51
p0 53.26 ± 0.05305
180
160
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 46.96 / 51
p0 2.082e−07 ± 3.106e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 52
Mean −440
Std Dev 0
pull1D
Entries 52
Mean −0.003289
Std Dev 0.9503


asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.001e+05 / 51
p0 0.00196 ± 2.196e−06
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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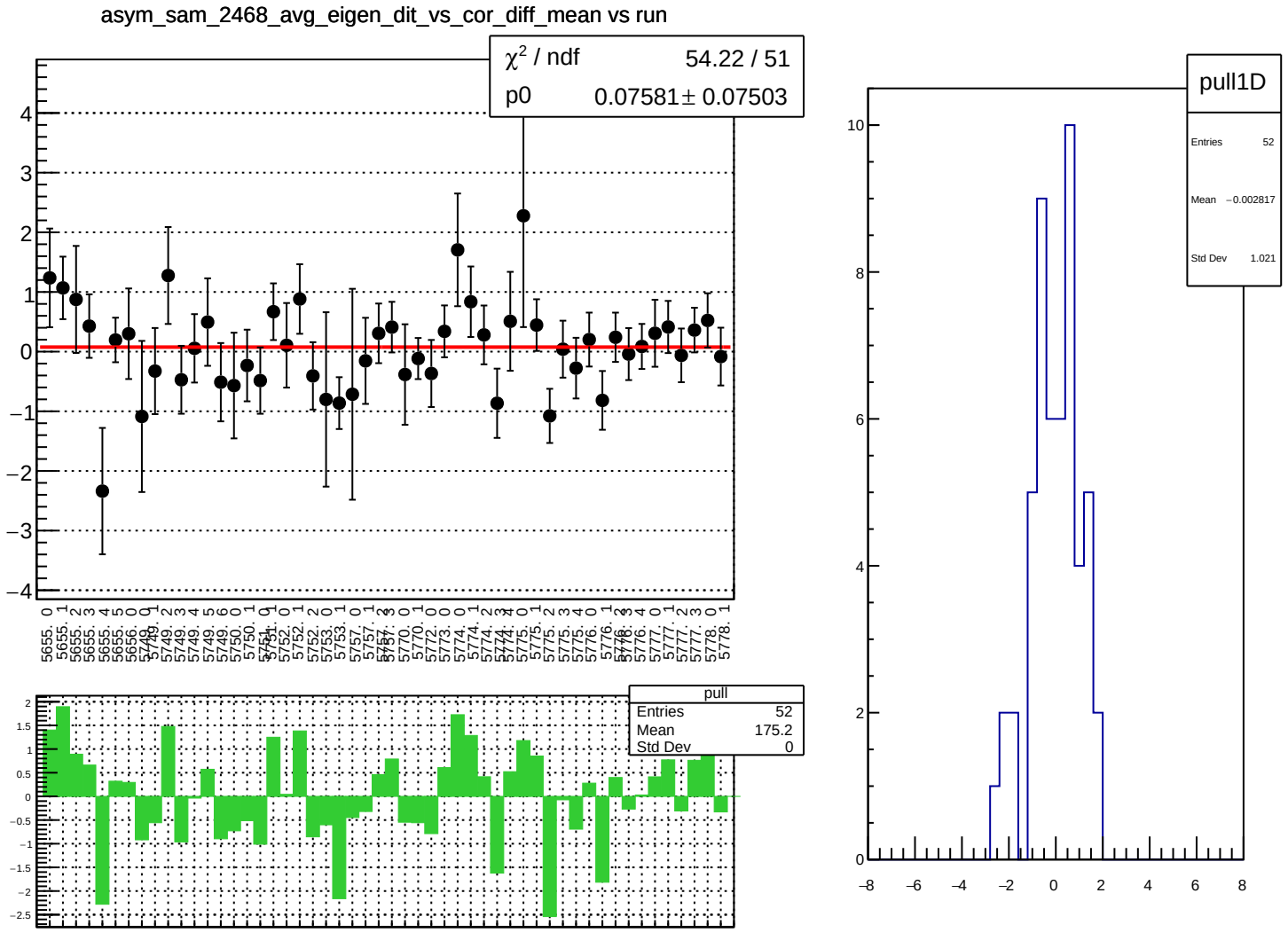
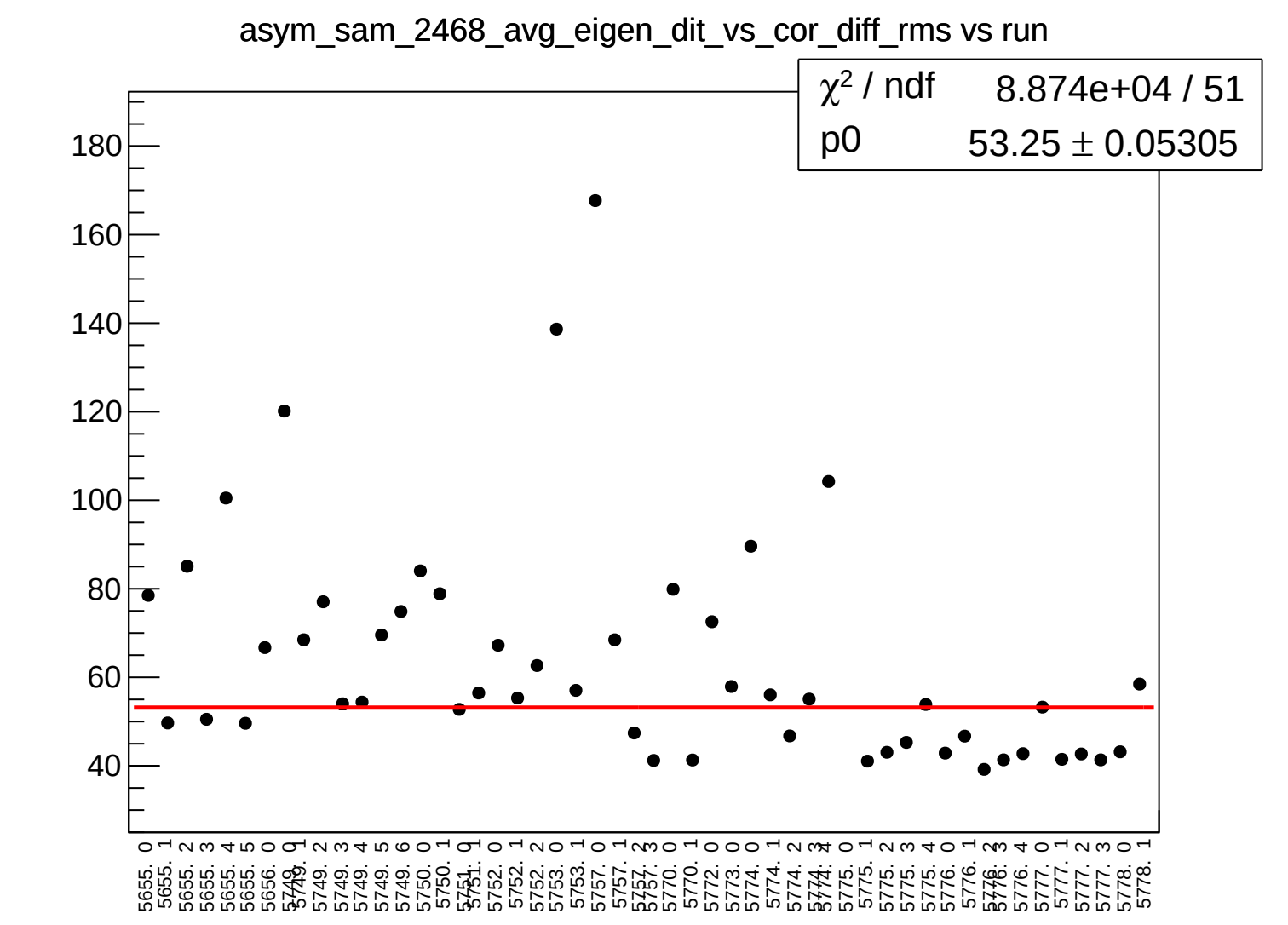
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.22 / 51
p0 0.07581 ± 0.07503
pull
Entries 52
Mean 175.2
Std Dev 0
pull1D
Entries 52
Mean −0.002817
Std Dev 1.021


asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.874e+04 / 51
p0 53.25 ± 0.05305
180
160
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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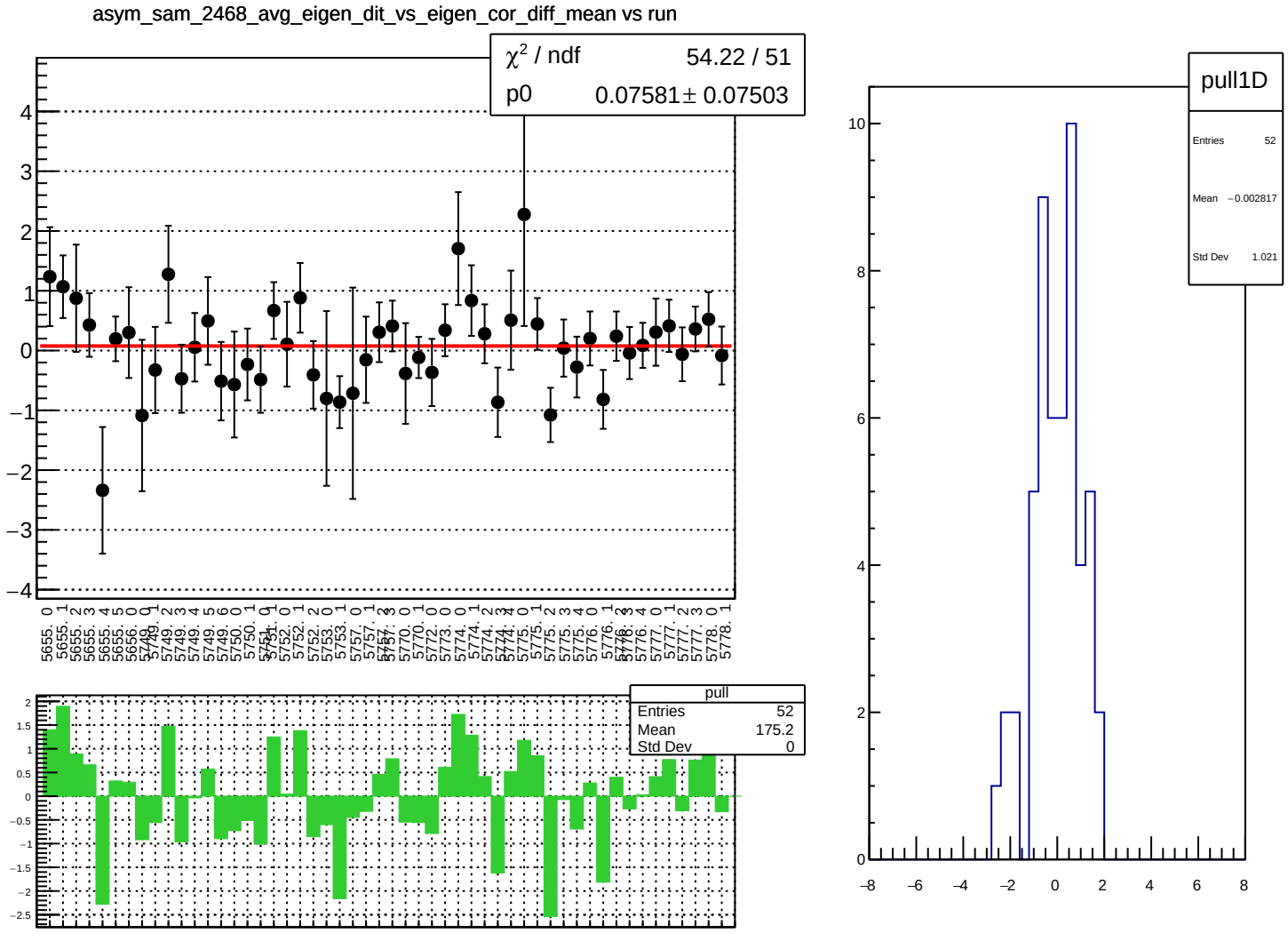
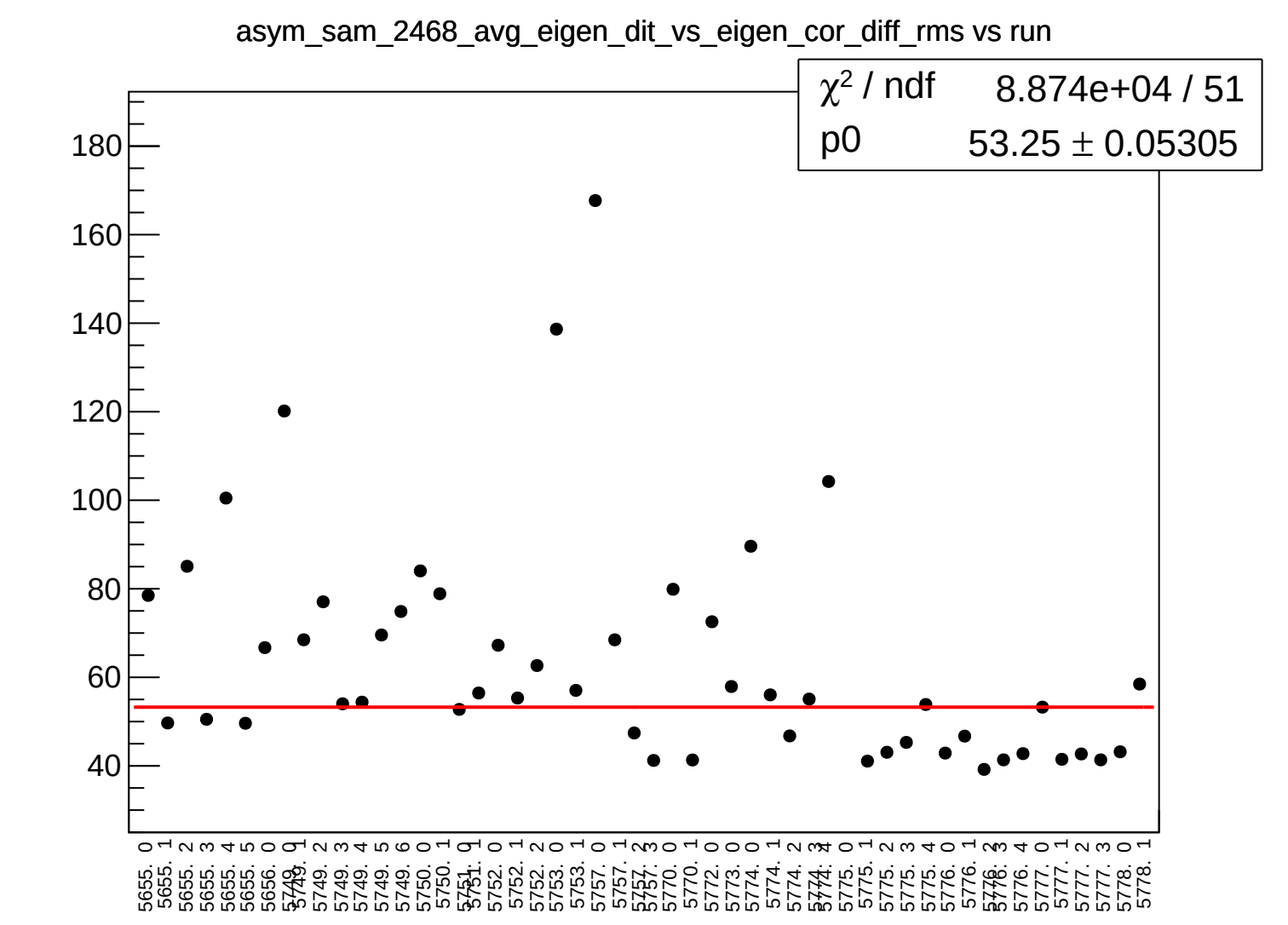
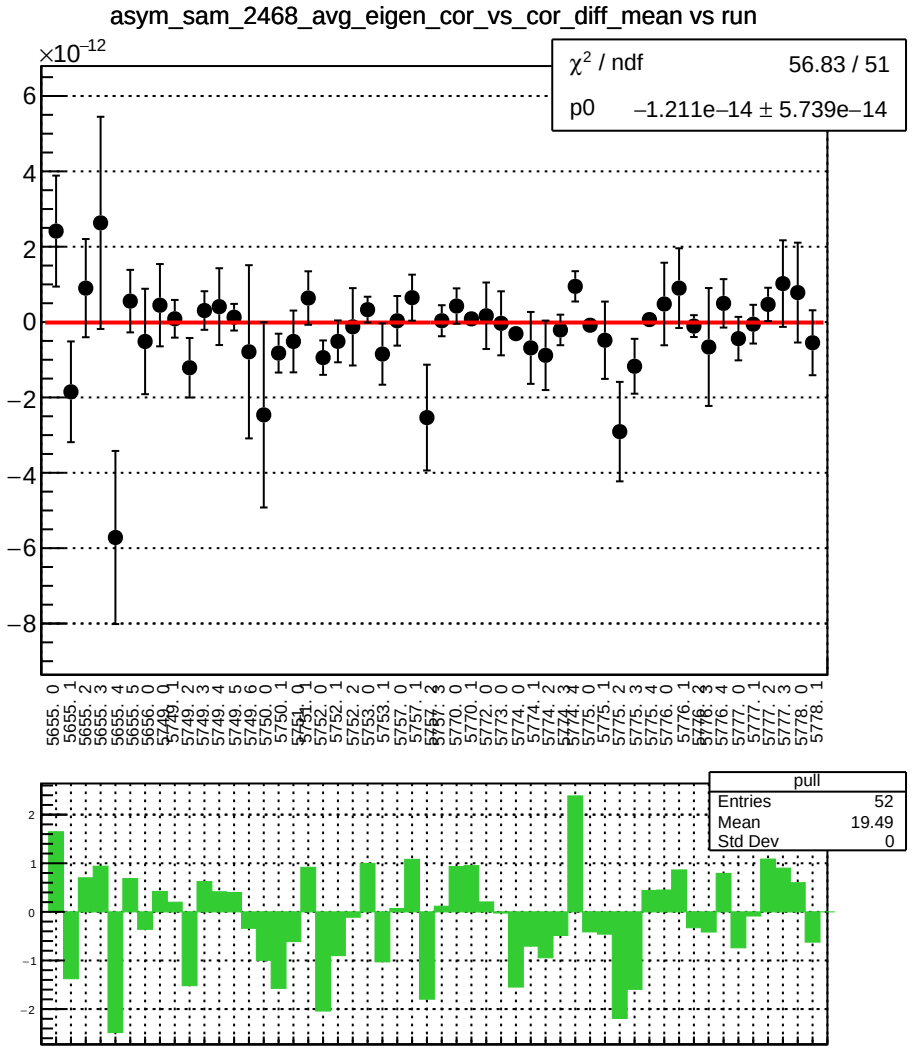
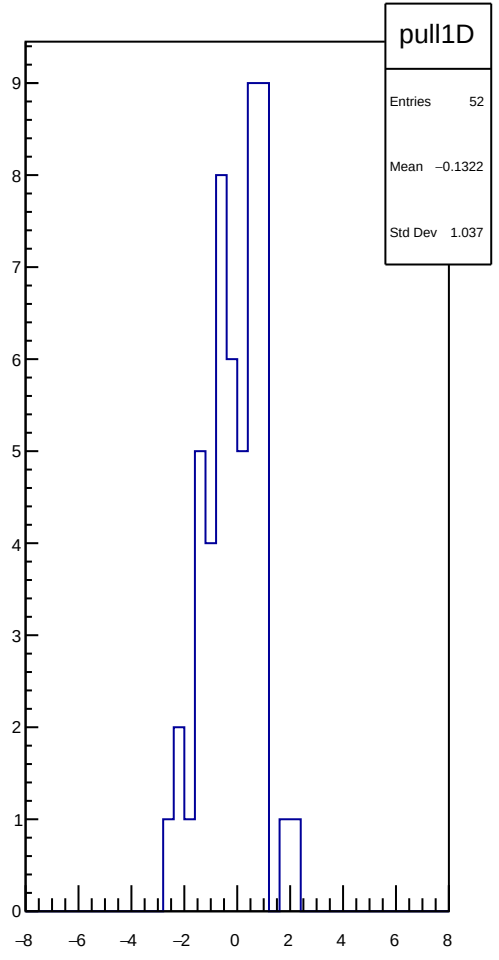
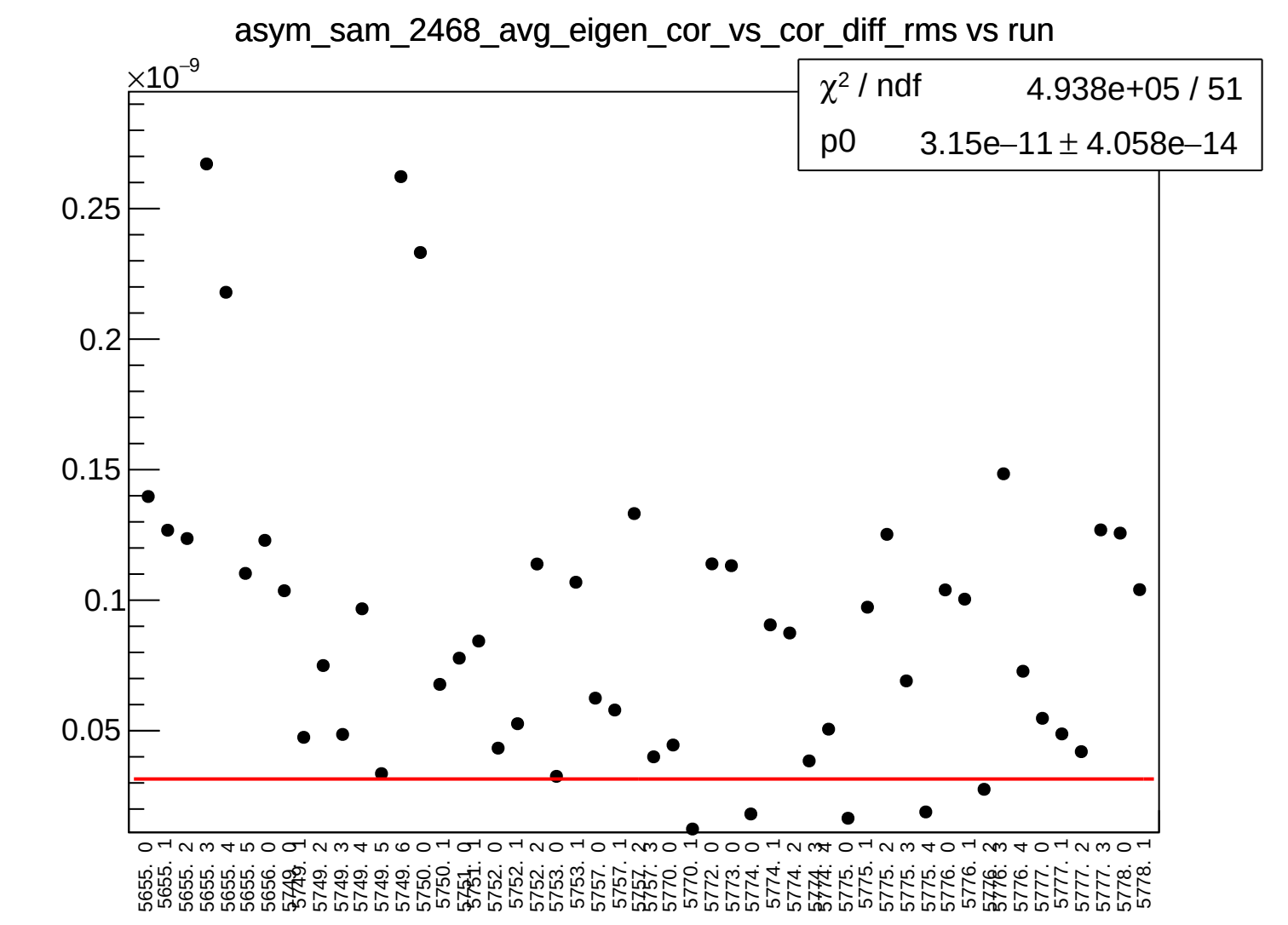
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

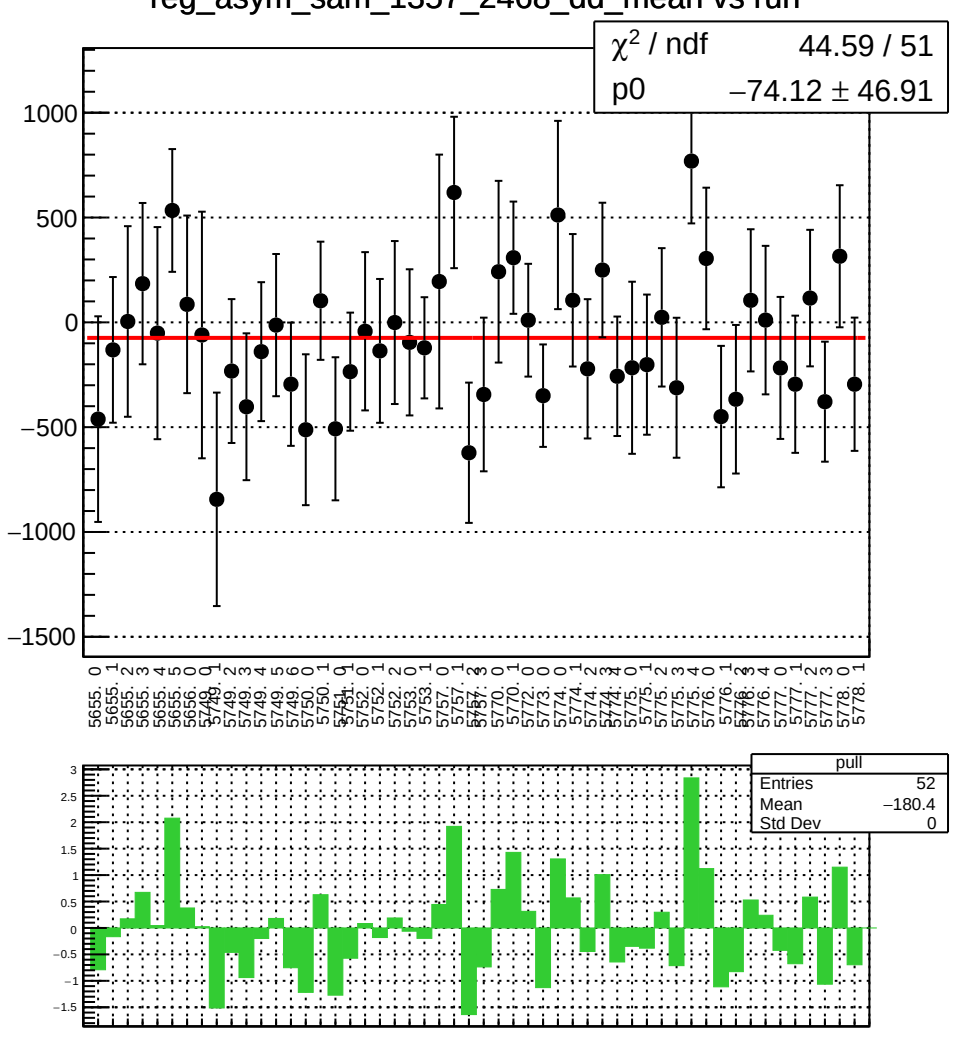

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.22 / 51
p0 0.07581 ± 0.07503
pull
Entries 52
Mean 175.2
Std Dev 0
pull1D
Entries 52
Mean −0.002817
Std Dev 1.021

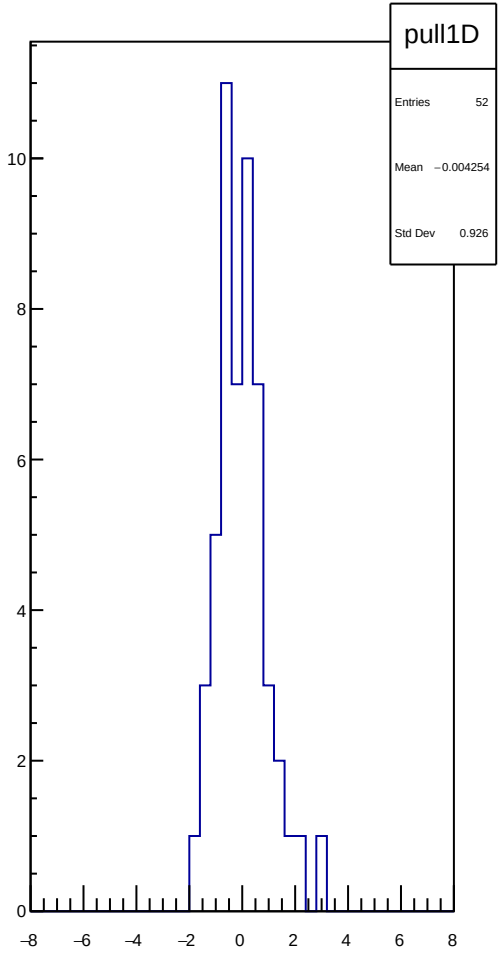

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.874e+04 / 51
p0 53.25 ± 0.05305
180
160
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

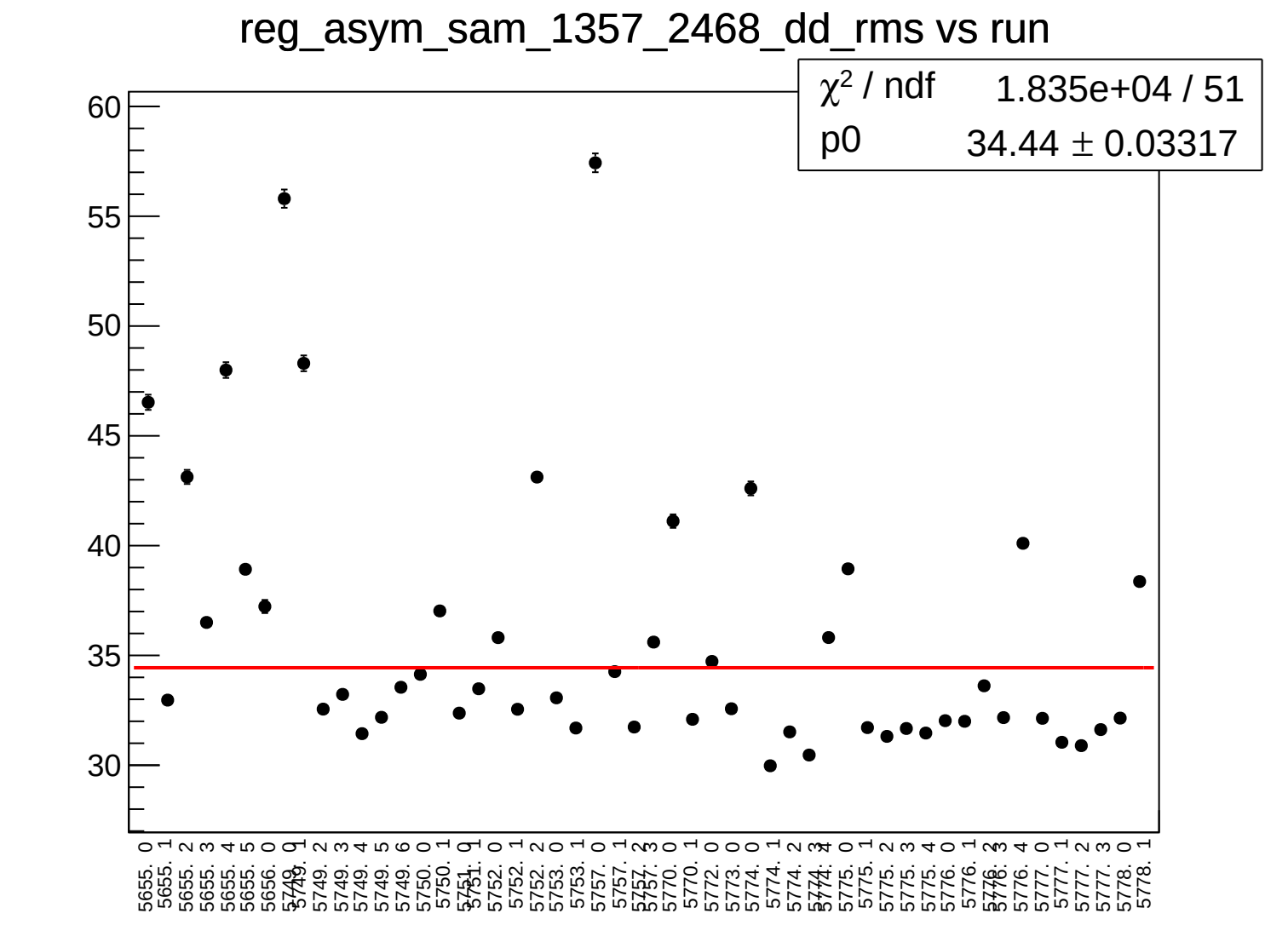

asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56.83 / 51
p0 −1.211e−14 ± 5.739e−14
pull
Entries 52
Mean 19.49
Std Dev 0


pull1D
Entries 52
Mean −0.1322
Std Dev 1.037


asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.938e+05 / 51
p0 3.15e−11 ± 4.058e−14
0.25
0.2
0.15
0.1
0.05
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


reg_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 44.59 / 51
p0 −74.12 ± 46.91
pull
Entries 52
Mean −180.4
Std Dev 0


pull1D
Entries 52
Mean −0.004254
Std Dev 0.926


reg_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.835e+04 / 51
p0 34.44 ± 0.03317
60
55
50
45
40
35
30
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
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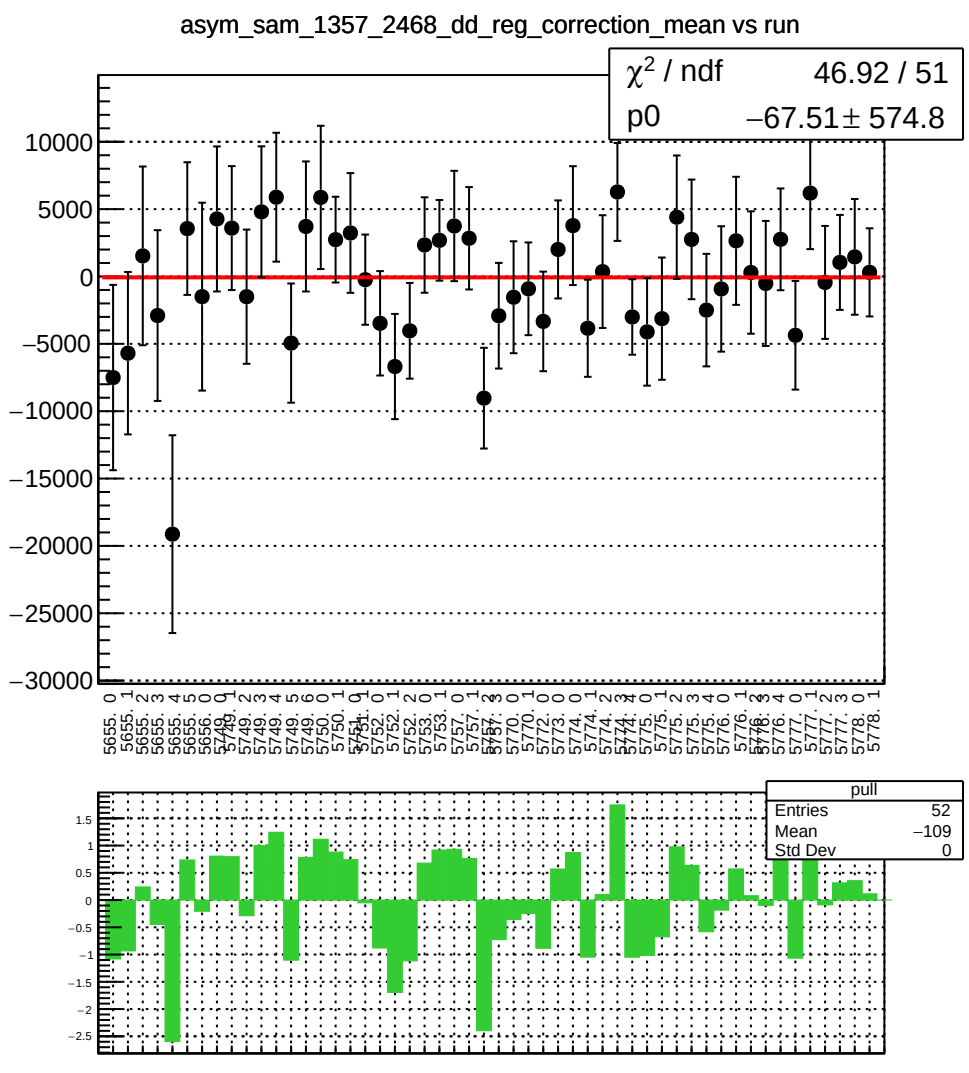
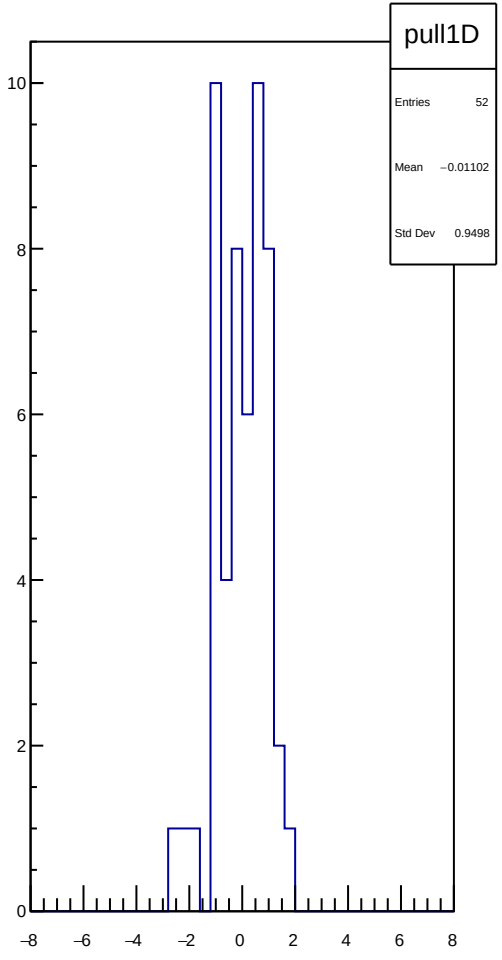
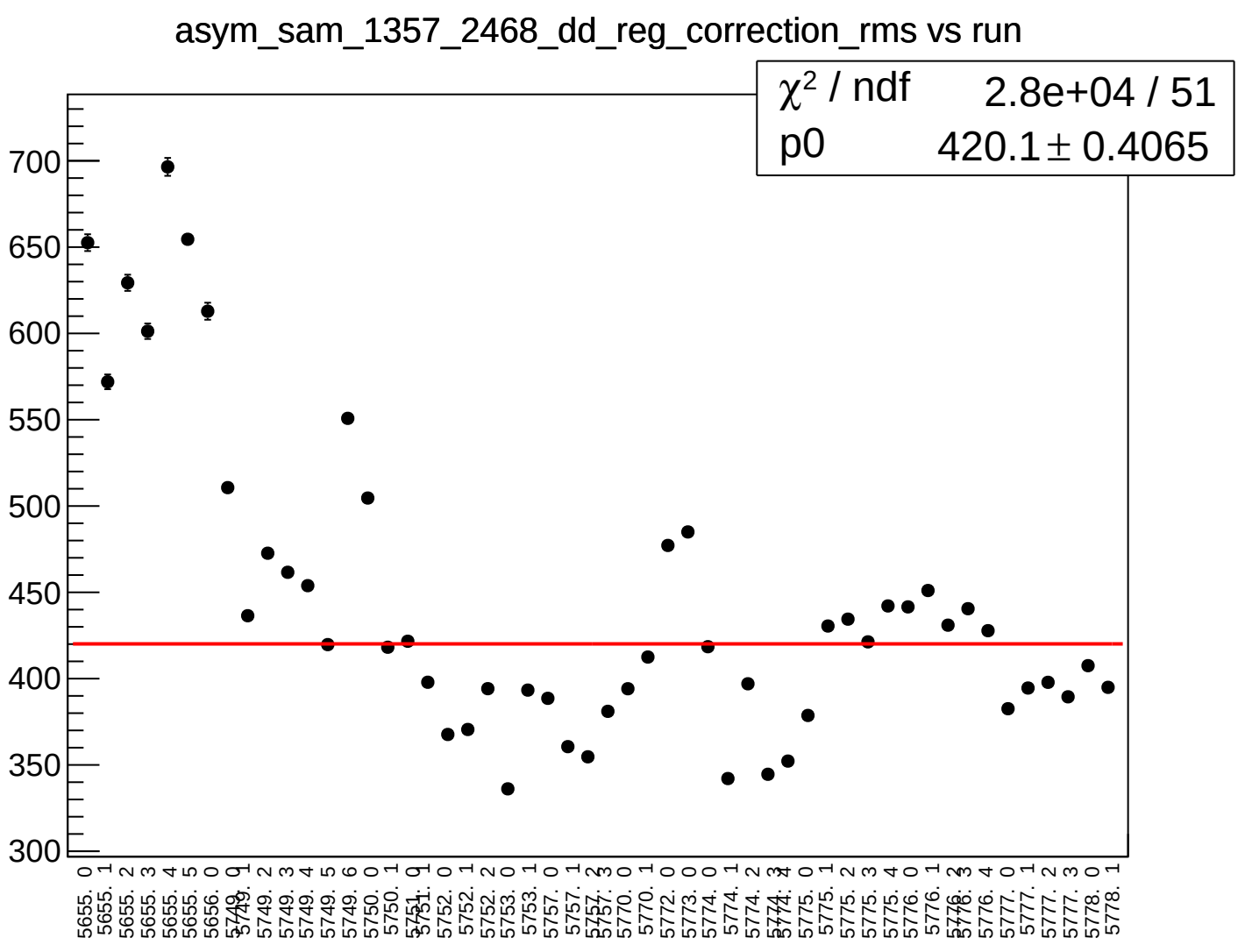
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_1357_2468_dd_reg_correction_mean vs run
χ² / ndf 46.92 / 51
p0 −67.51 ± 574.8
pull
Entries 52
Mean −109
Std Dev 0


pull1D
Entries 52
Mean −0.01102
Std Dev 0.9498


asym_sam_1357_2468_dd_reg_correction_rms vs run
χ² / ndf 2.8e+04 / 51
p0 420.1 ± 0.4065
700
650
600
550
500
450
400
350
300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
5777. 0
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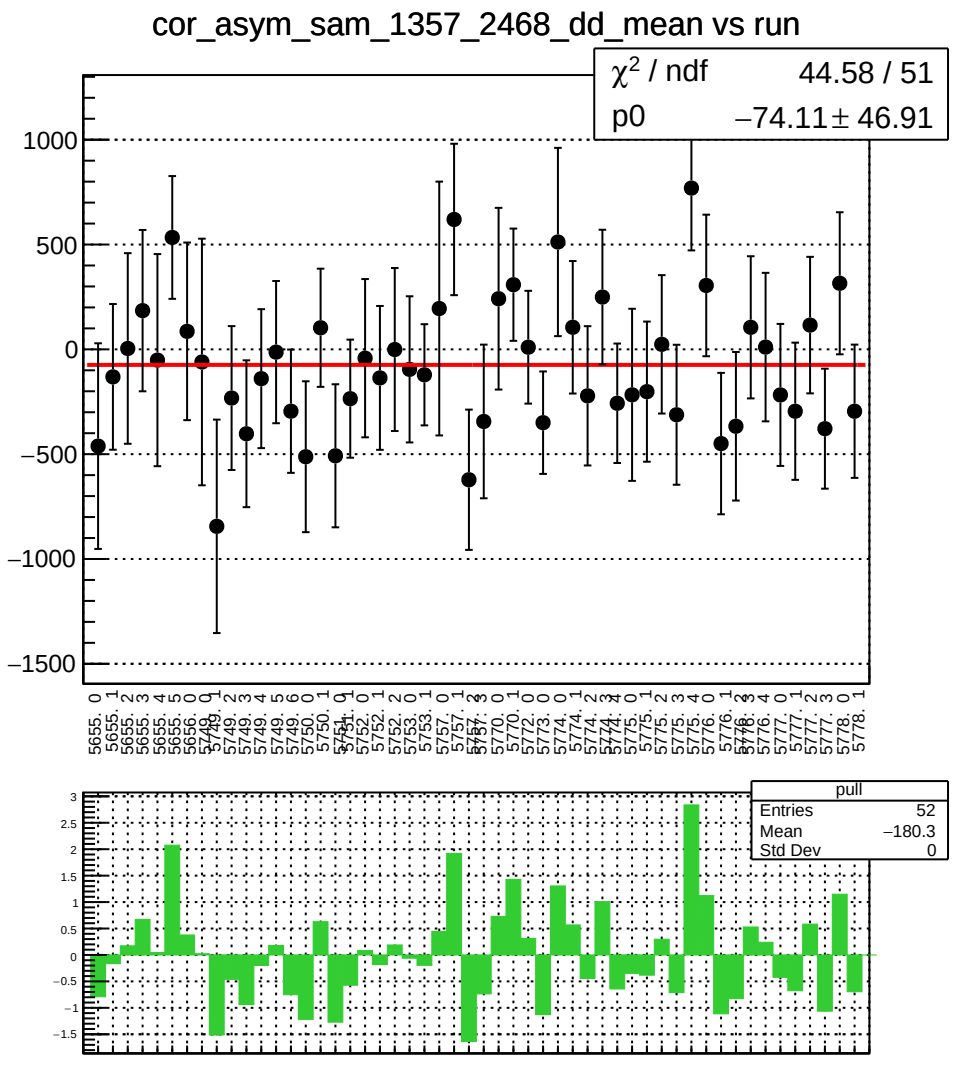
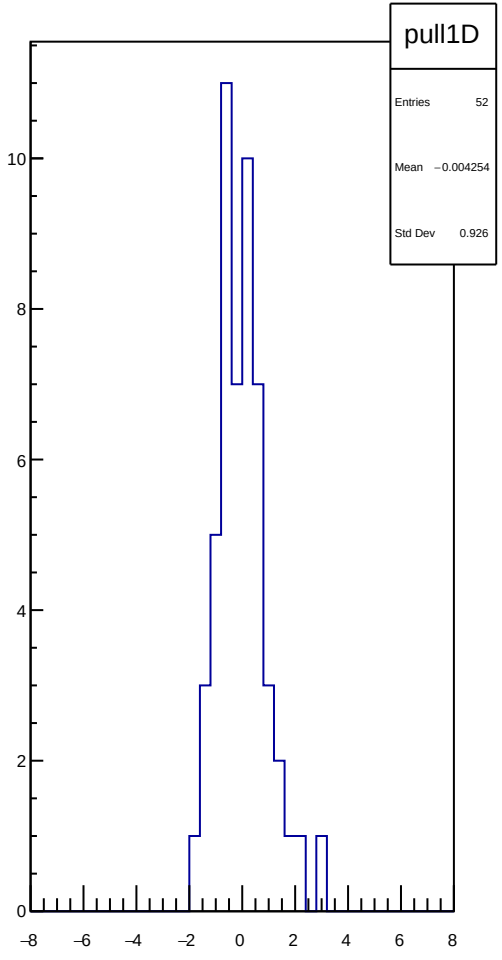
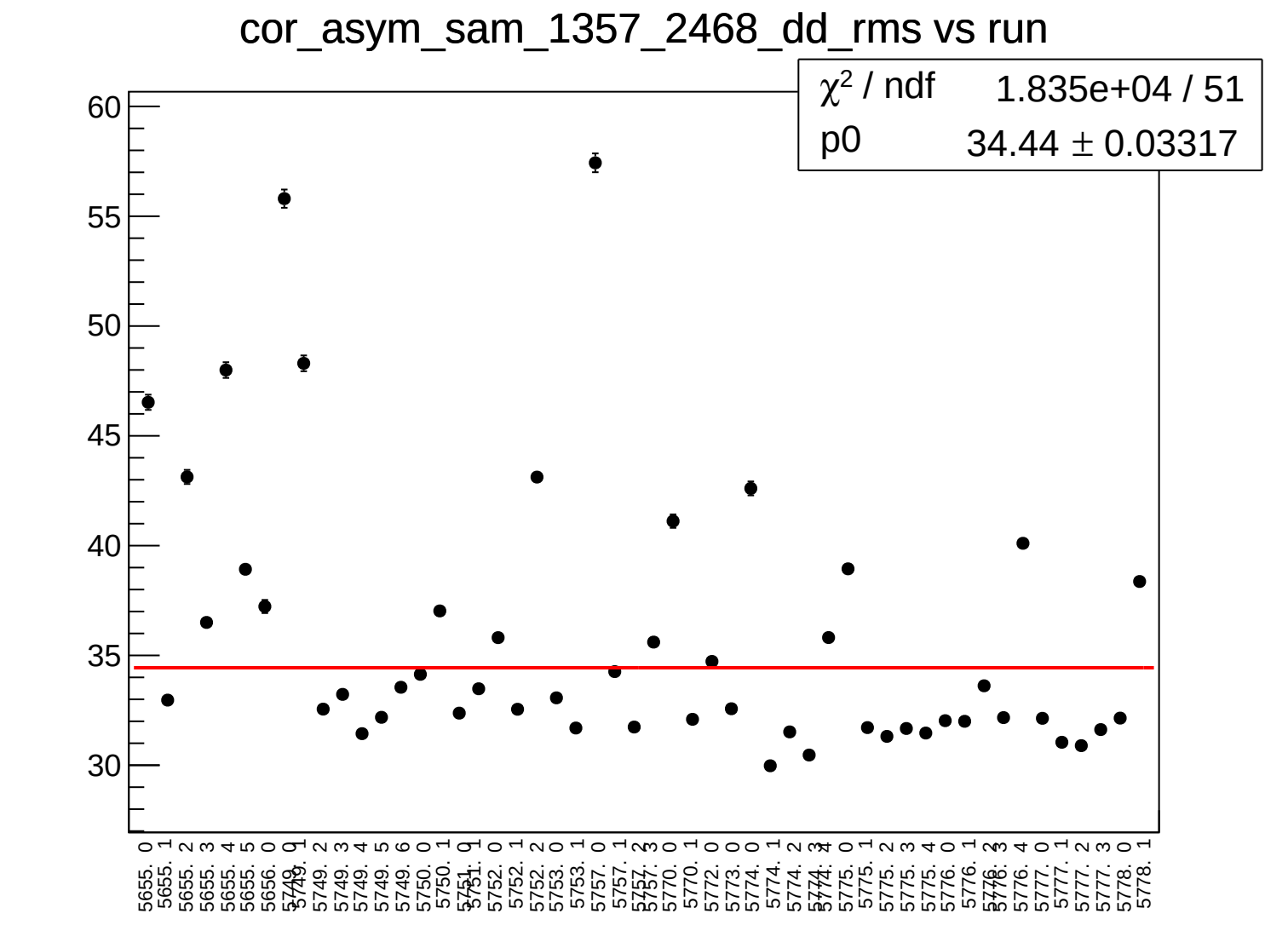
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 44.58 / 51
p0 −74.11 ± 46.91
1000
500
0
−500
−1000
−1500
pull
Entries 52
Mean −180.3
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 52
Mean −0.004254
Std Dev 0.926
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 1.835e+04 / 51
p0 34.44 ± 0.03317
60
55
50
45
40
35
30
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
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5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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5770. 0
5770. 1
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5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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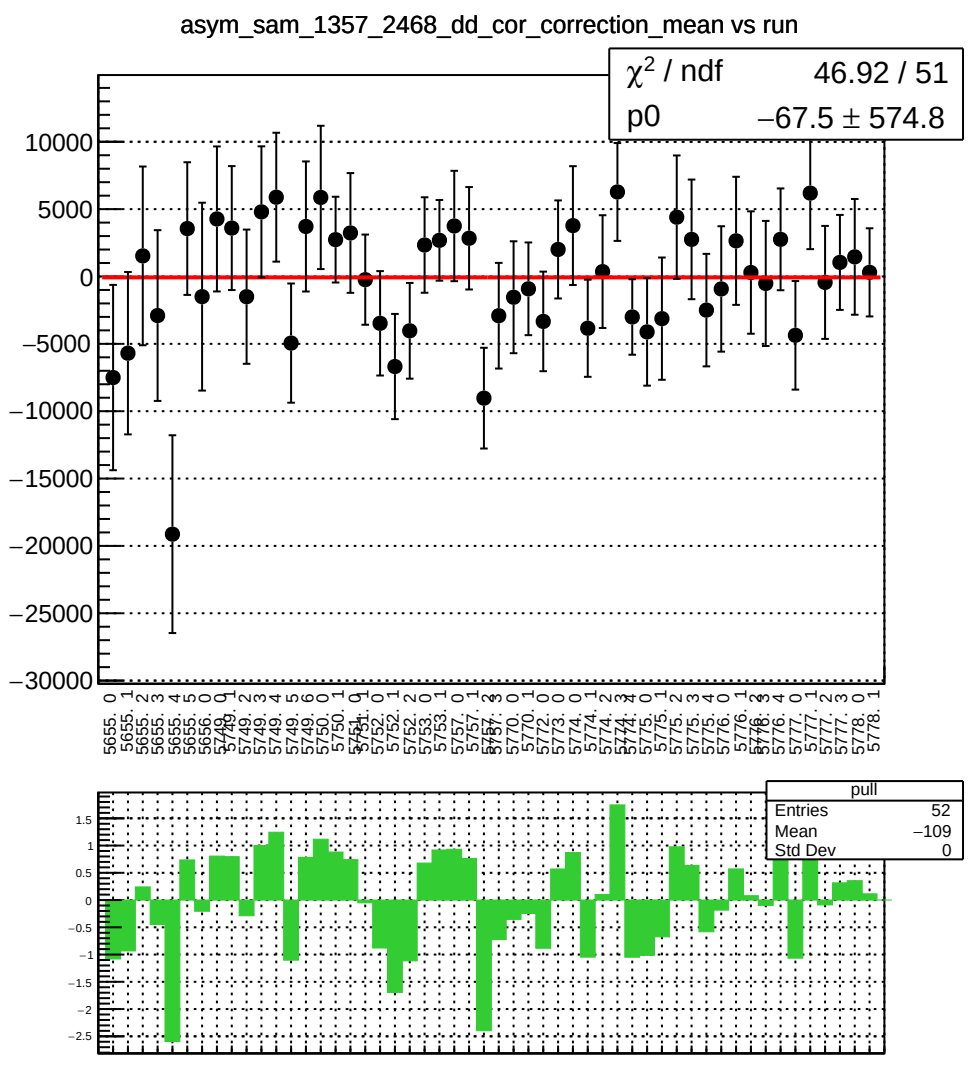
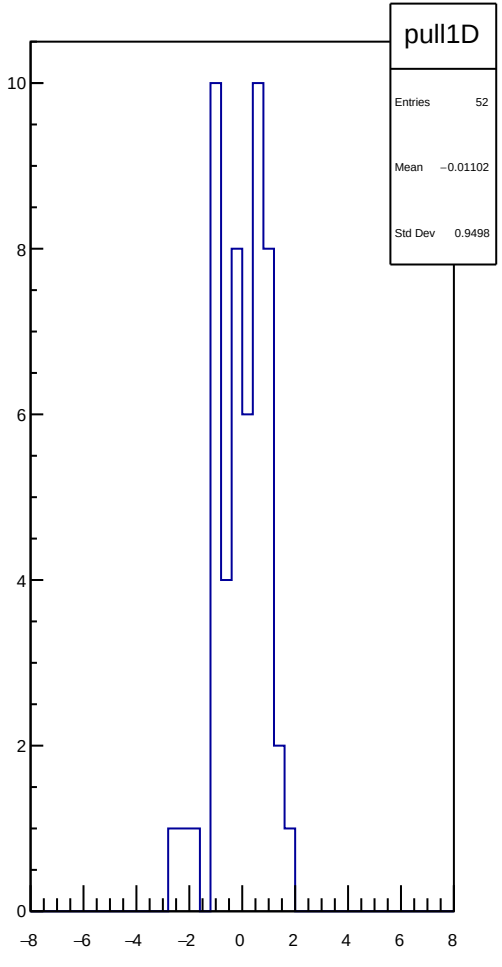
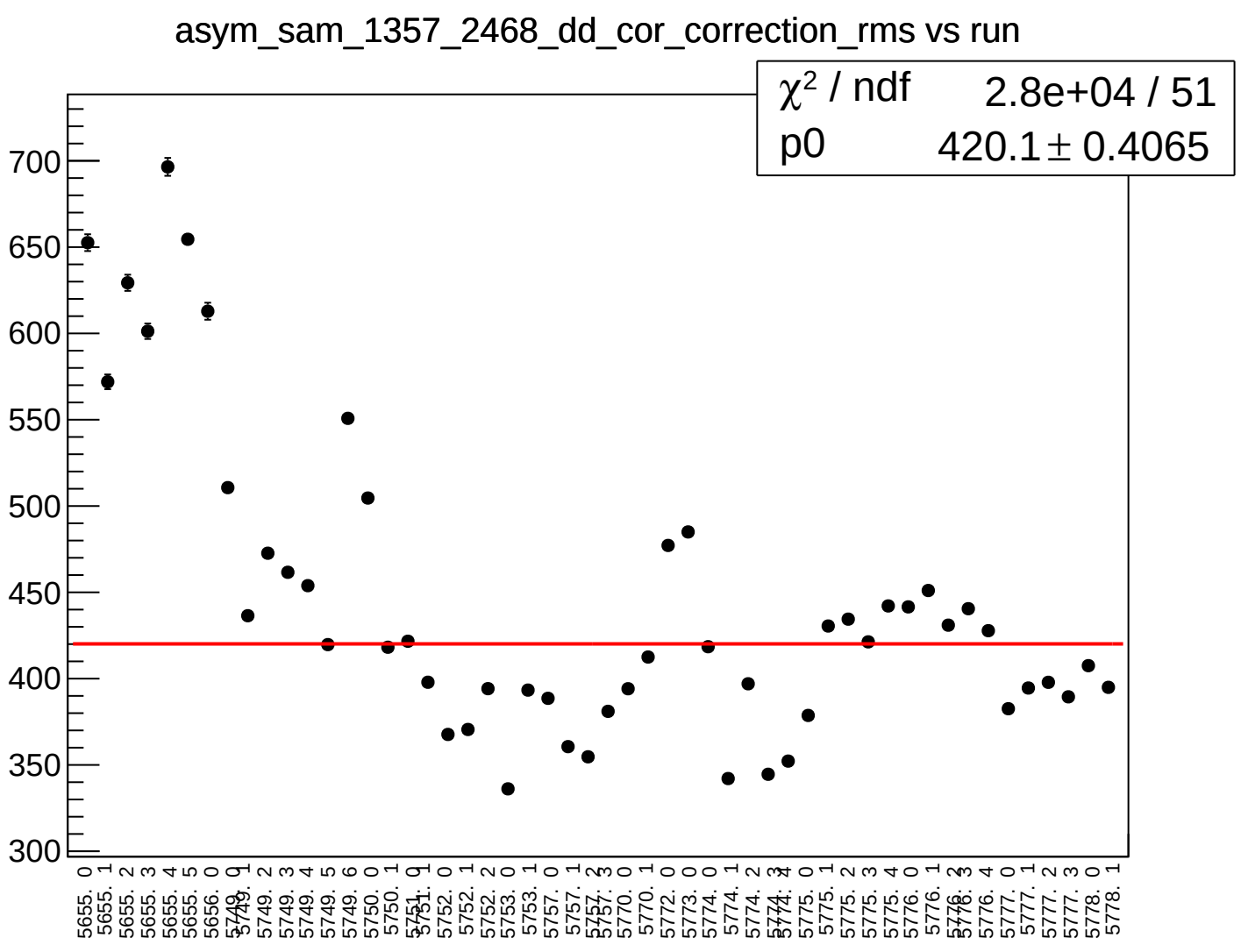
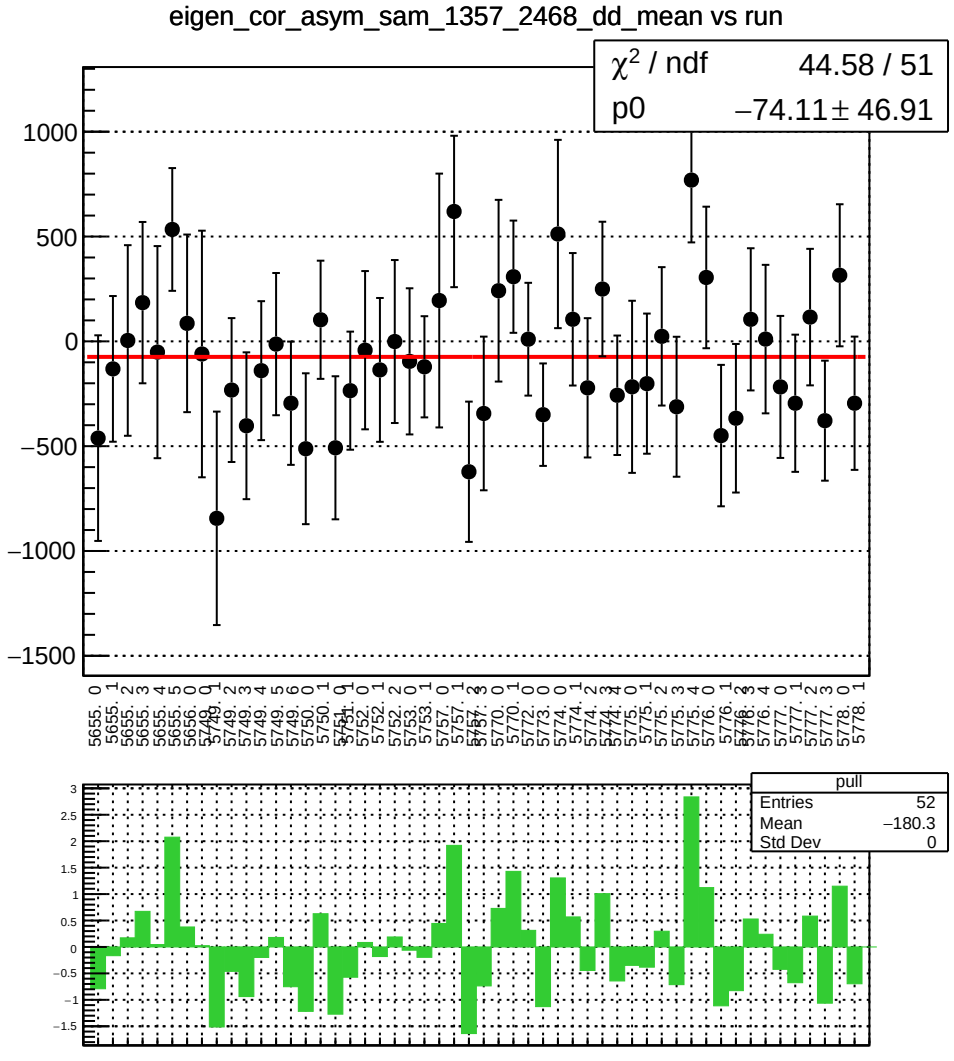
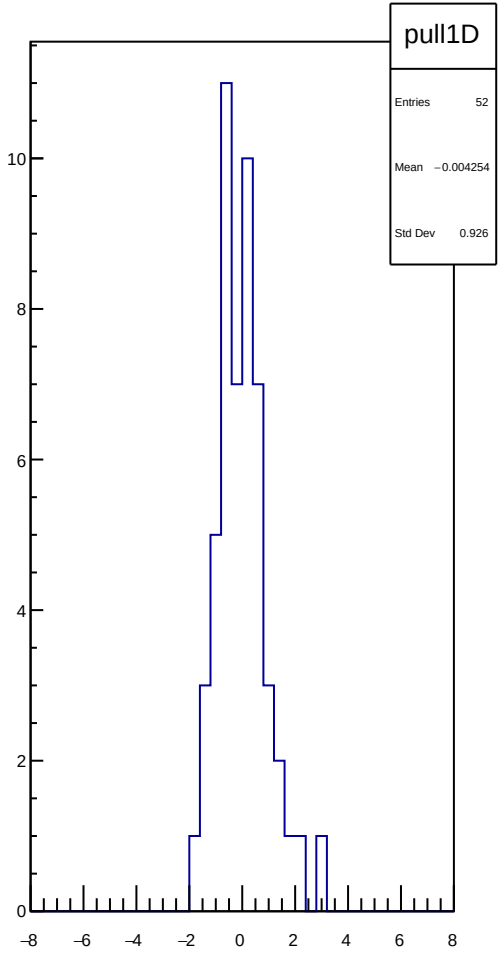
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

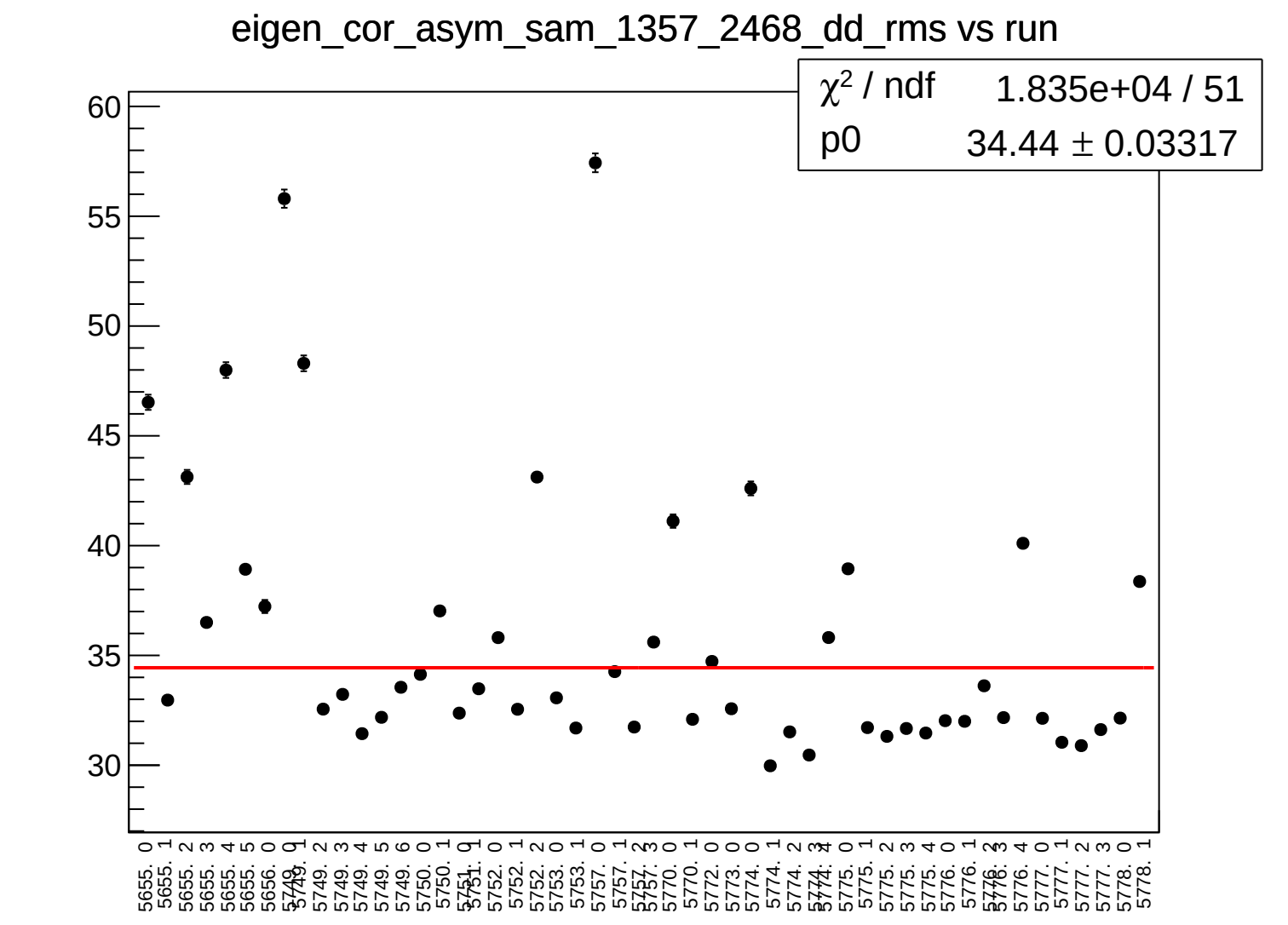

asym_sam_1357_2468_dd_cor_correction_mean vs run
χ² / ndf 46.92 / 51
p0 −67.5 ± 574.8
pull
Entries 52
Mean −109
Std Dev 0

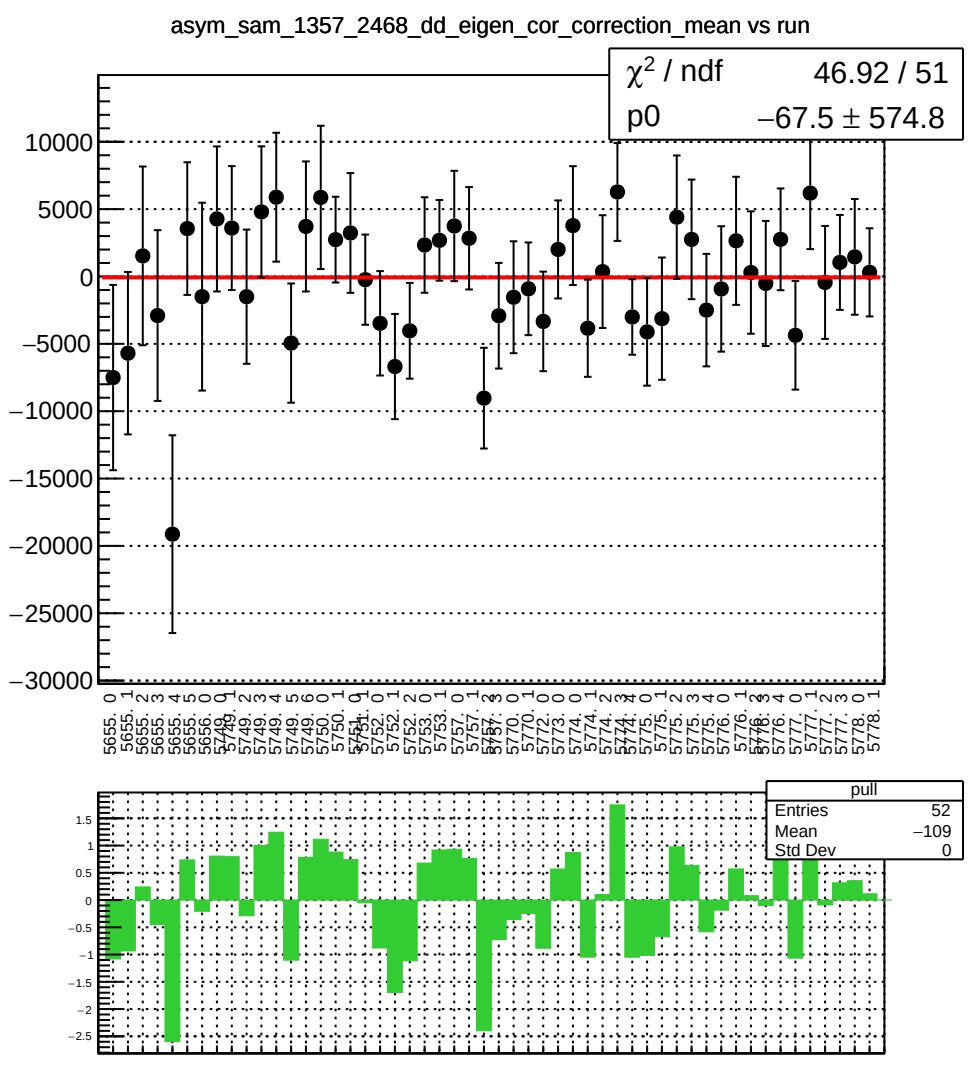

pull1D
Entries 52
Mean −0.01102
Std Dev 0.9498

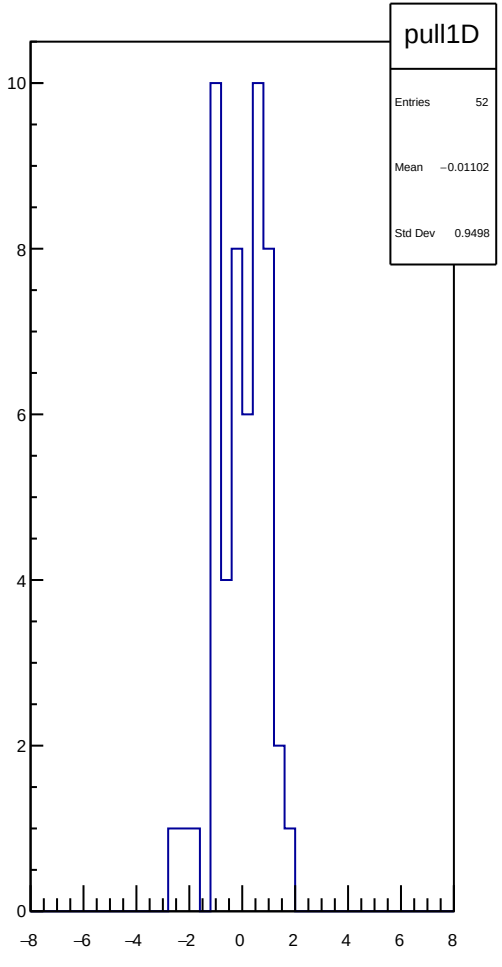

asym_sam_1357_2468_dd_cor_correction_rms vs run
χ² / ndf 2.8e+04 / 51
p0 420.1 ± 0.4065
700
650
600
550
500
450
400
350
300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

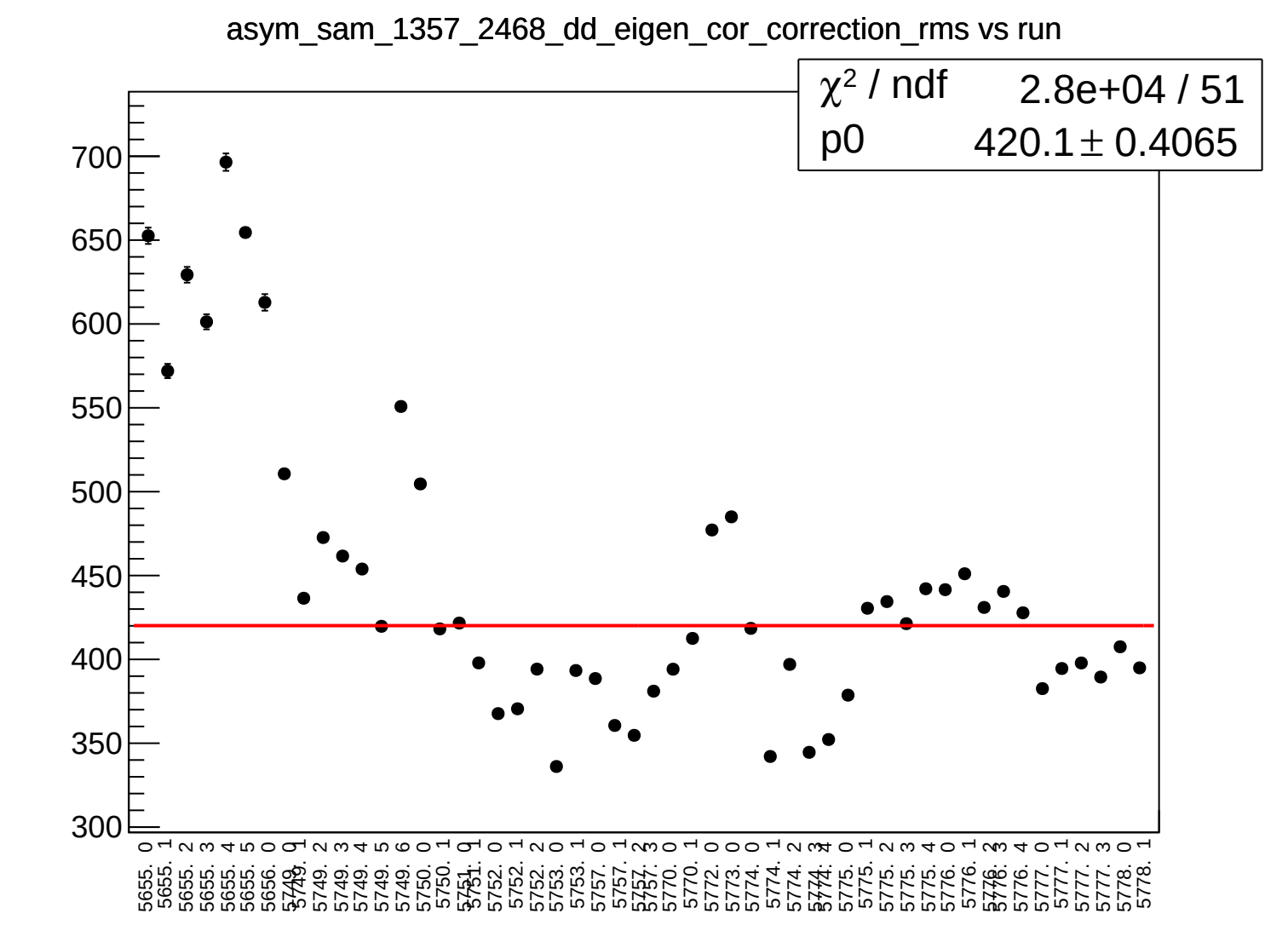

eigen_cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 44.58 / 51
p0 −74.11 ± 46.91
pull
Entries 52
Mean −180.3
Std Dev 0


pull1D
Entries 52
Mean −0.004254
Std Dev 0.926


eigen_cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.835e+04 / 51
p0 34.44 ± 0.03317
60
55
50
45
40
35
30
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_1357_2468_dd_eigen_cor_correction_mean vs run
χ² / ndf 46.92 / 51
p0 −67.5 ± 574.8
pull
Entries 52
Mean −109
Std Dev 0


pull1D
Entries 52
Mean −0.01102
Std Dev 0.9498


asym_sam_1357_2468_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.8e+04 / 51
p0 420.1 ± 0.4065
700
650
600
550
500
450
400
350
300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
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5775. 3
5775. 4
5776. 0
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5776. 3
5776. 4
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5777. 1
5777. 2
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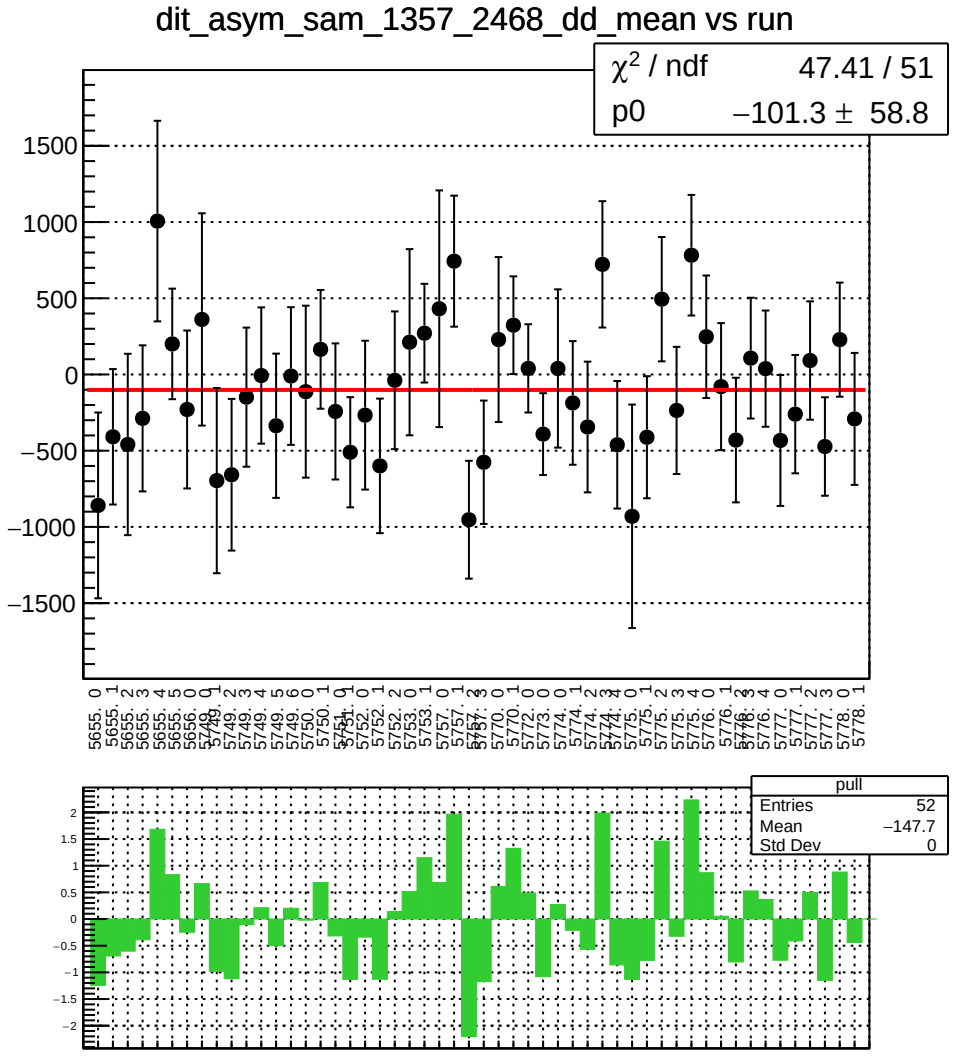
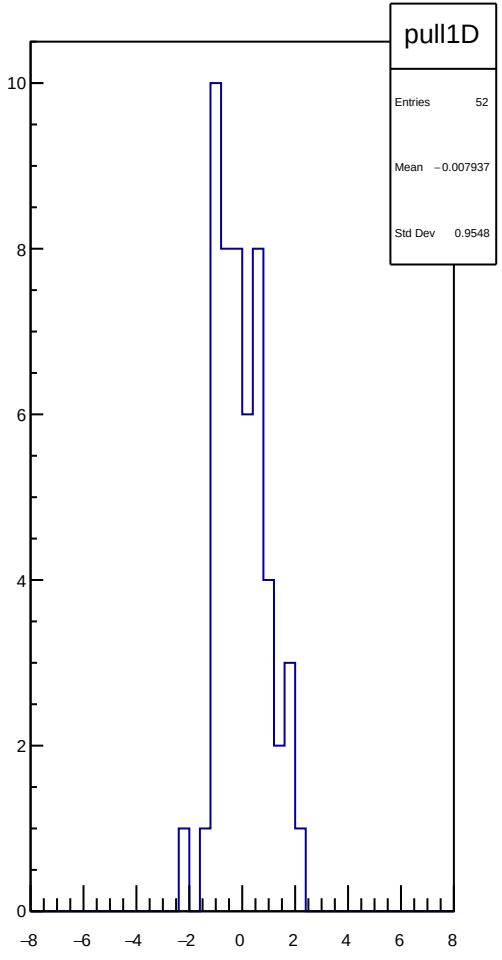
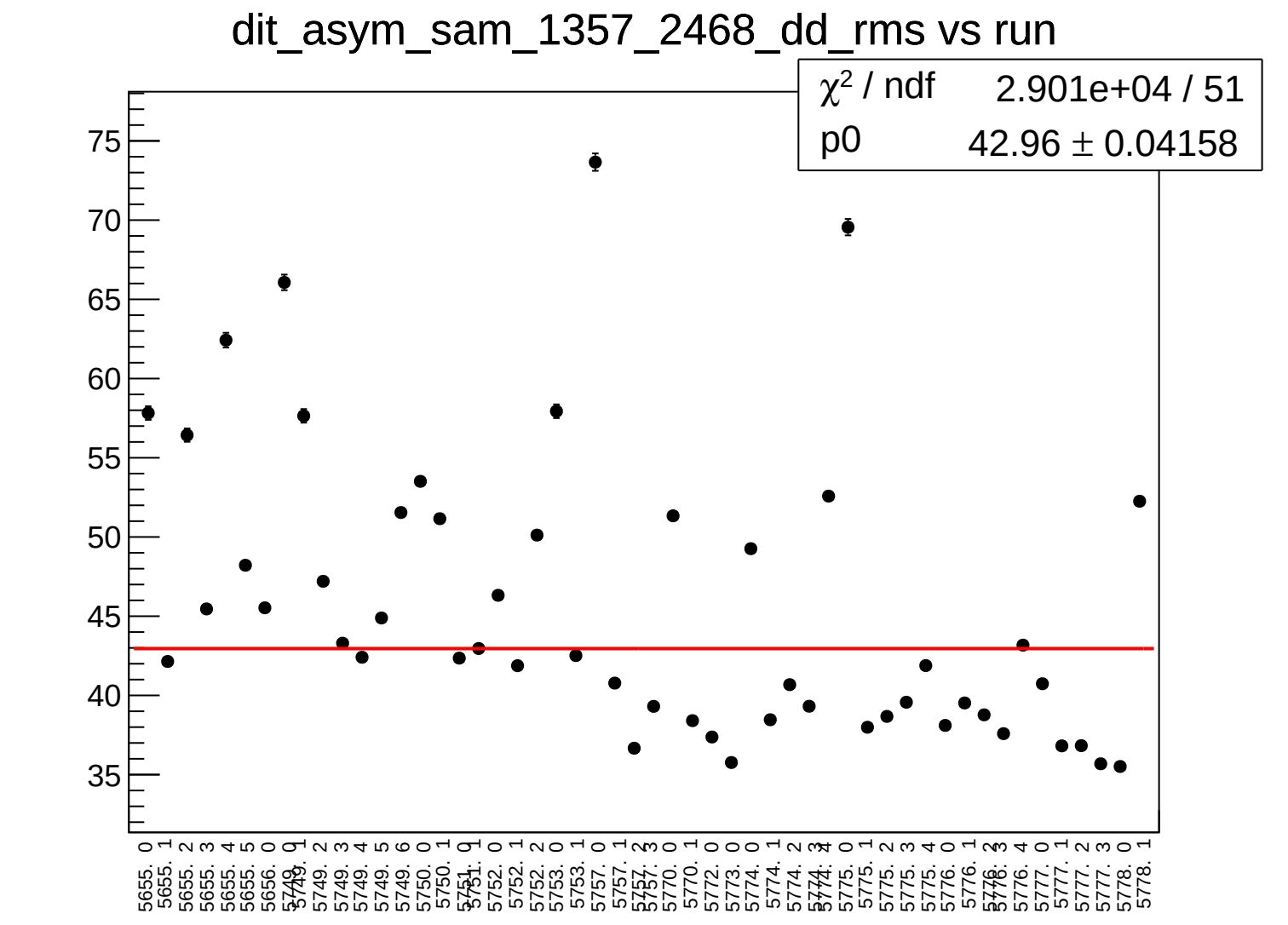
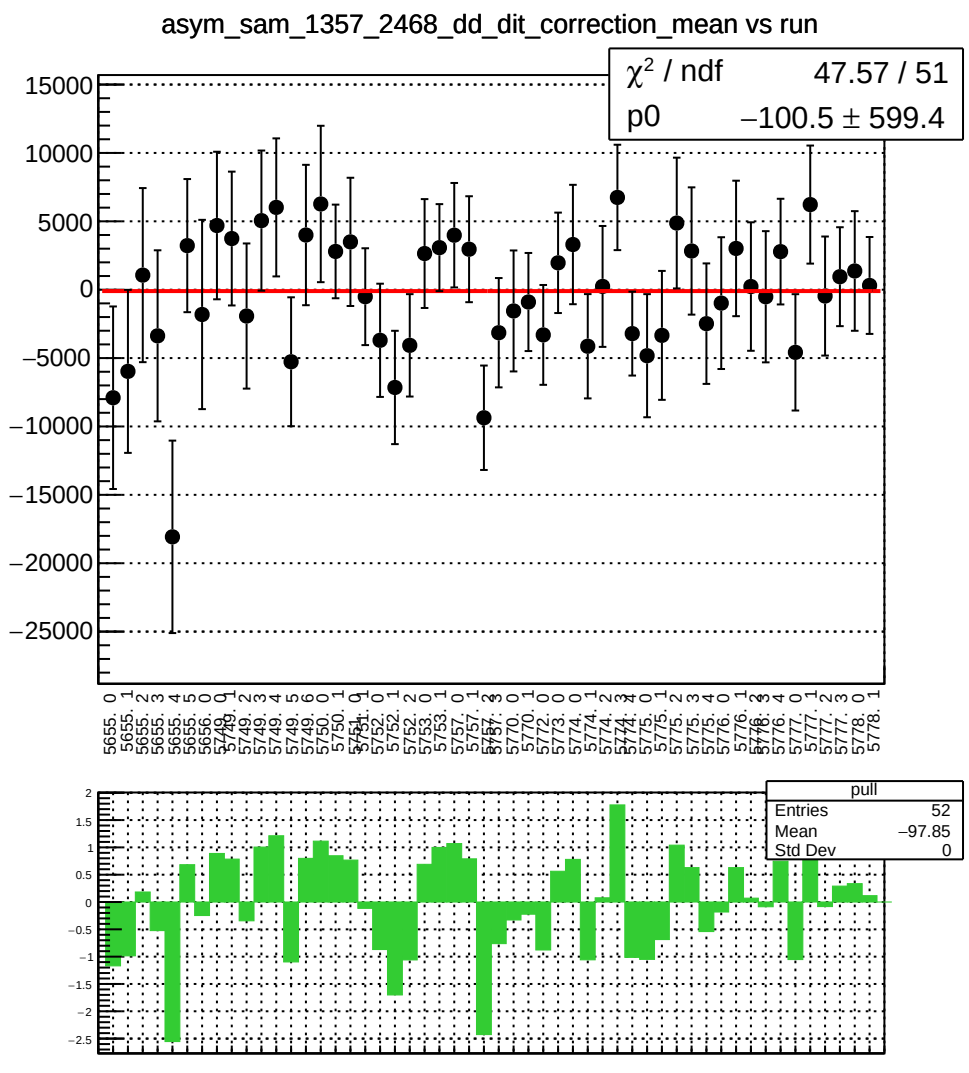
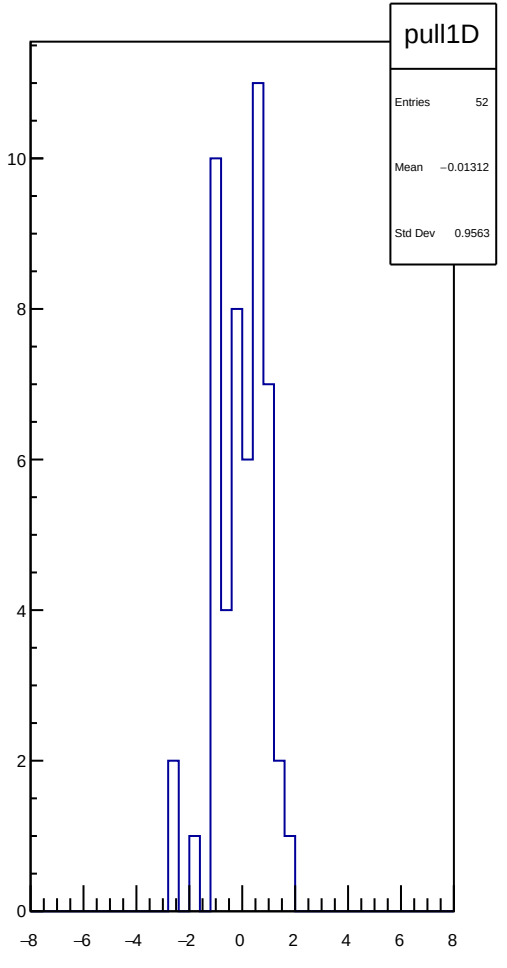
5778. 0
5778. 1

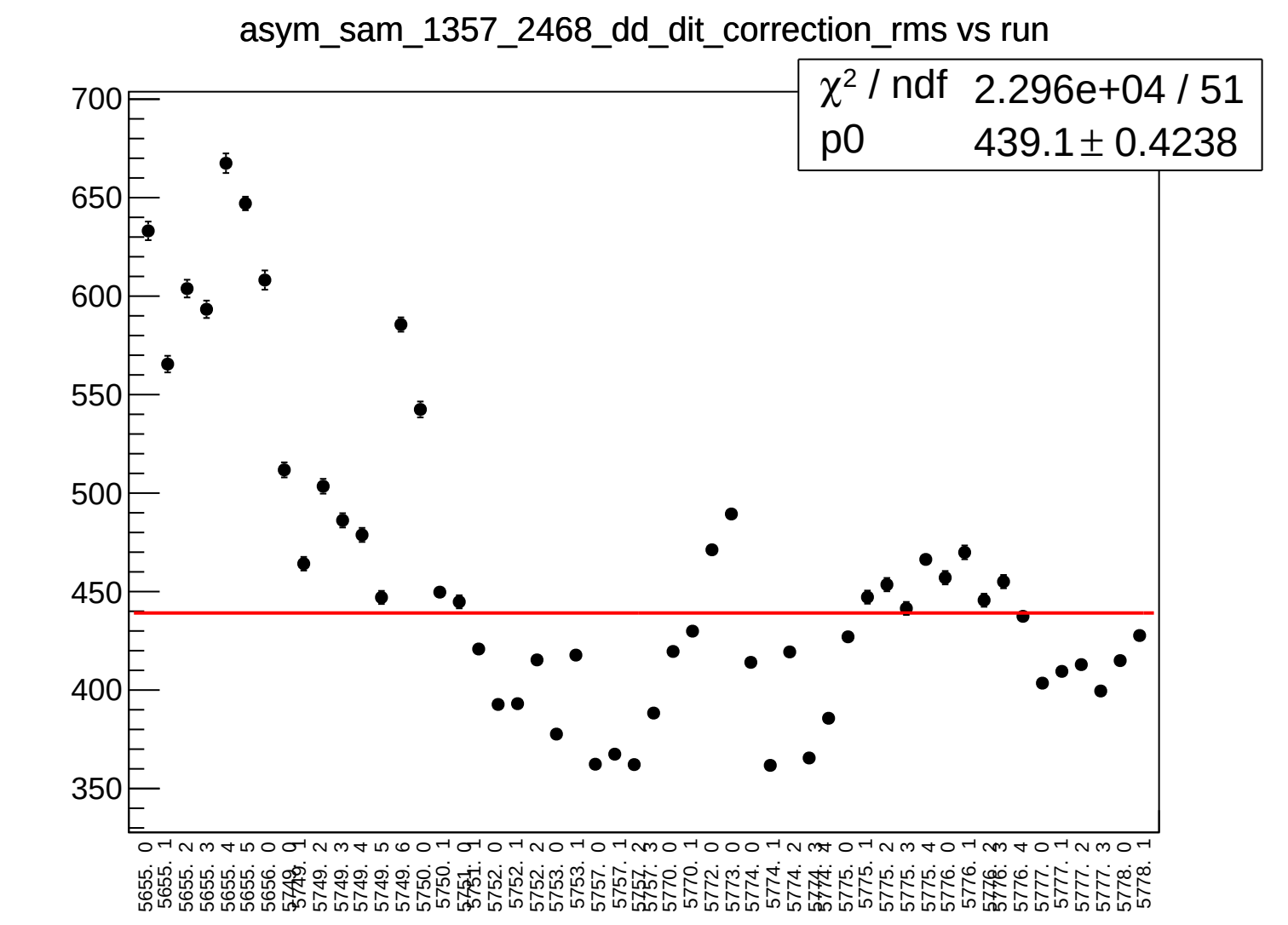

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 47.41 / 51
p0 −101.3 ± 58.8
pull
Entries 52
Mean −147.7
Std Dev 0


pull1D
Entries 52
Mean −0.007937
Std Dev 0.9548


dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.901e+04 / 51
p0 42.96 ± 0.04158
75
70
65
60
55
50
45
40
35
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_1357_2468_dd_dit_correction_mean vs run
χ² / ndf 47.57 / 51
p0 −100.5 ± 599.4
pull
Entries 52
Mean −97.85
Std Dev 0


pull1D
Entries 52
Mean −0.01312
Std Dev 0.9563


asym_sam_1357_2468_dd_dit_correction_rms vs run
χ² / ndf 2.296e+04 / 51
p0 439.1 ± 0.4238
700
650
600
550
500
450
400
350
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
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5775. 3
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5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
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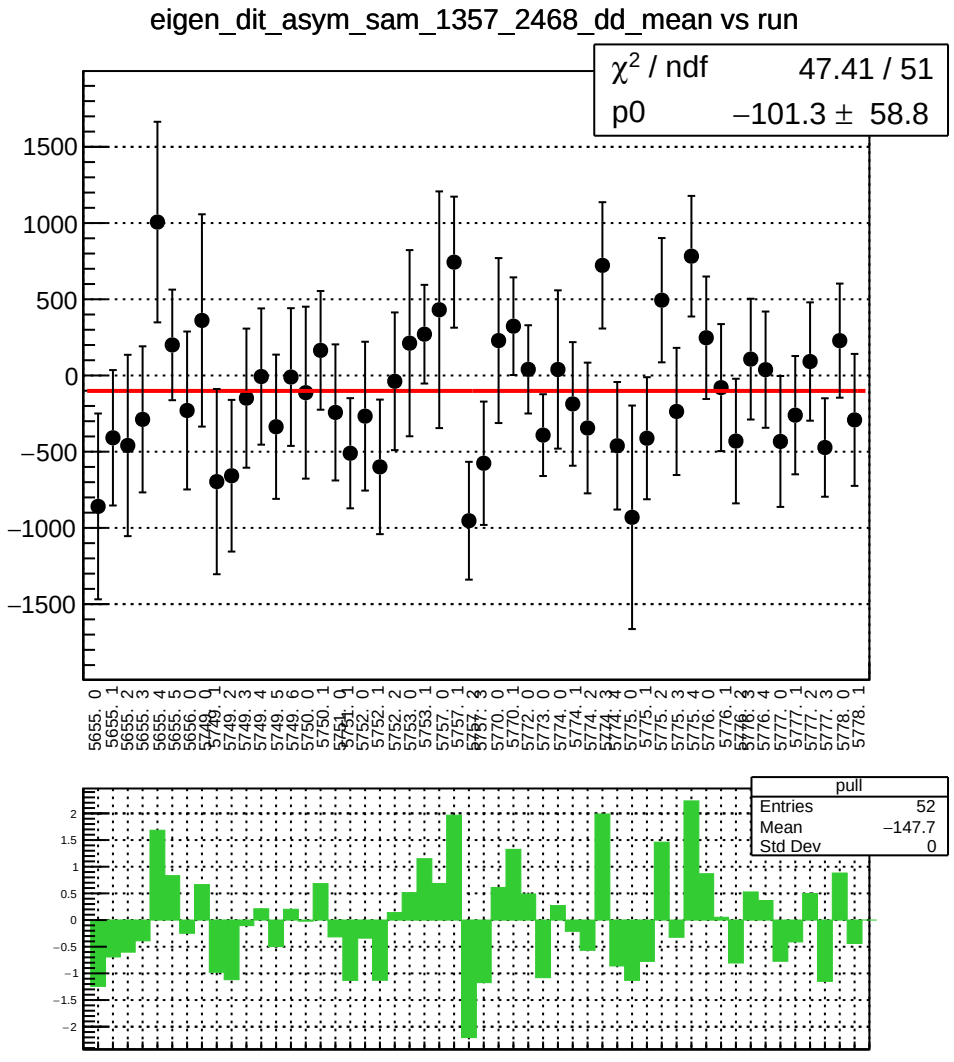
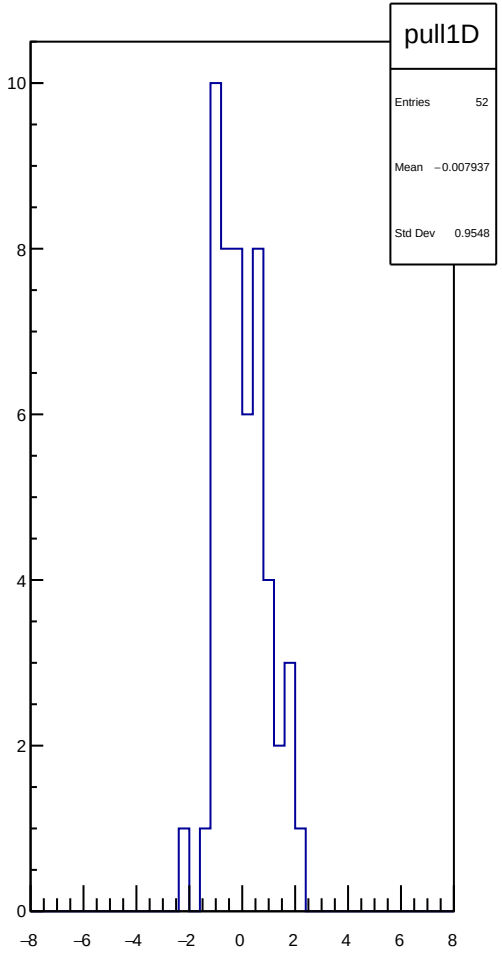
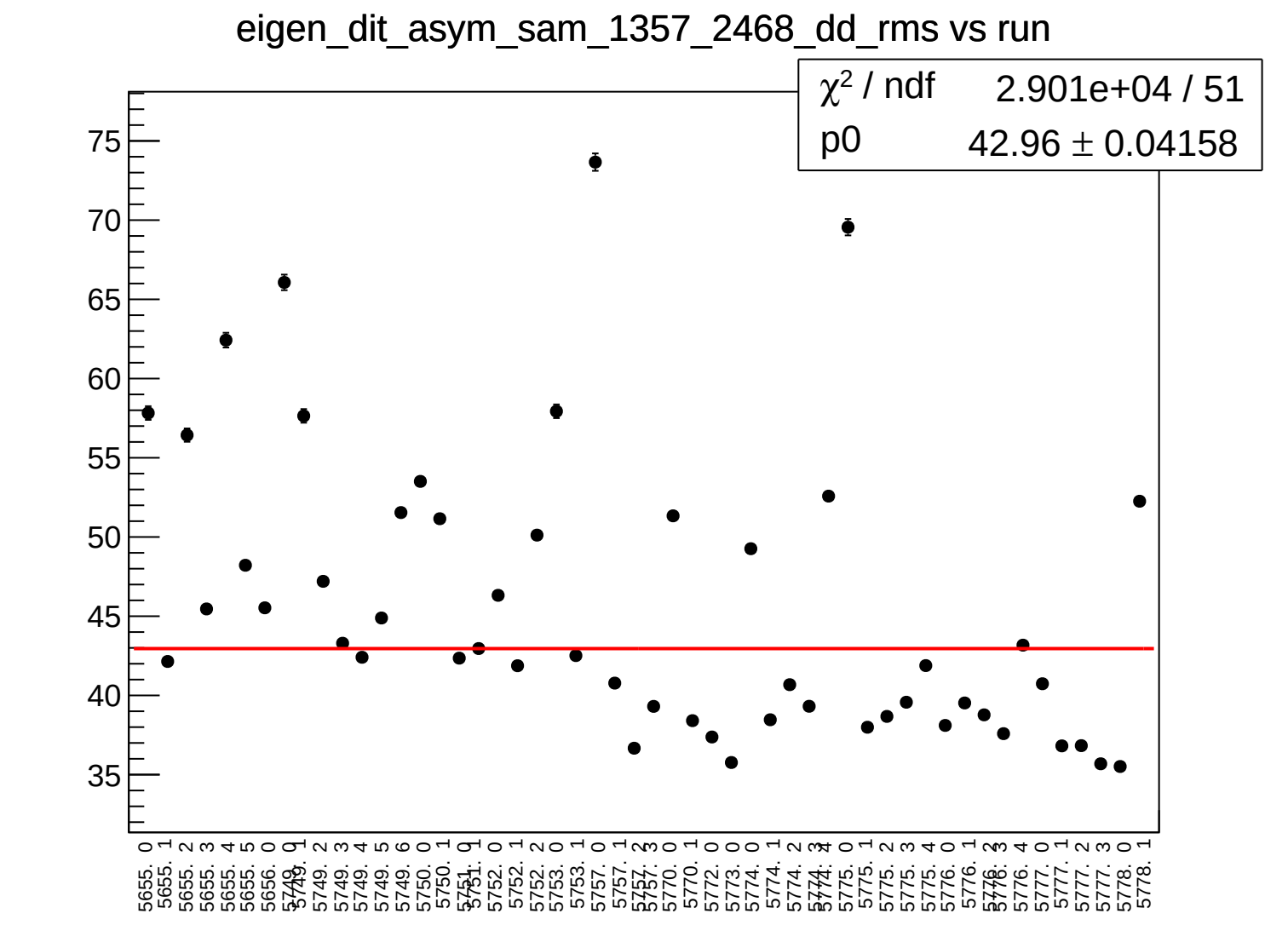
5778. 0
5778. 1


eigen_dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 47.41 / 51
p0 −101.3 ± 58.8
pull
Entries 52
Mean −147.7
Std Dev 0


pull1D
Entries 52
Mean −0.007937
Std Dev 0.9548


eigen_dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.901e+04 / 51
p0 42.96 ± 0.04158
75
70
65
60
55
50
45
40
35
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 2
5776. 3
5776. 4
5777. 0
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5777. 2
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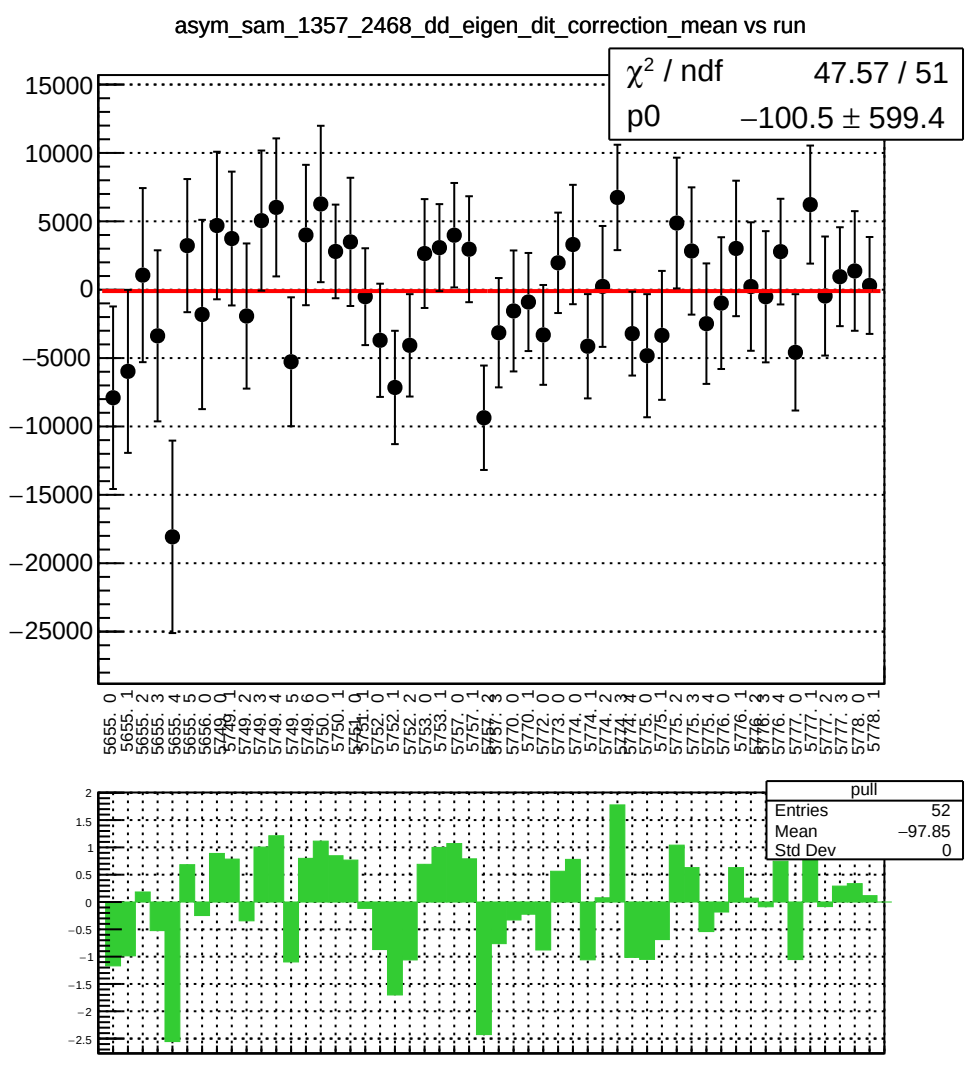
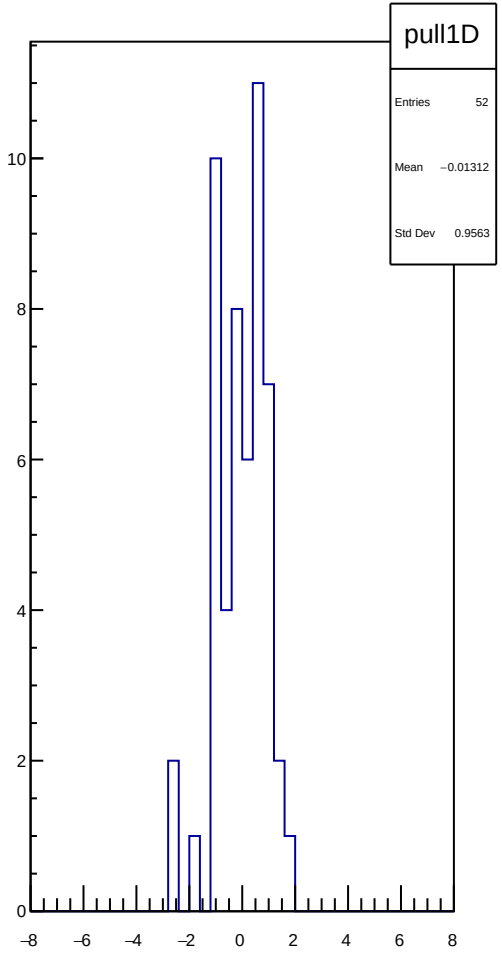
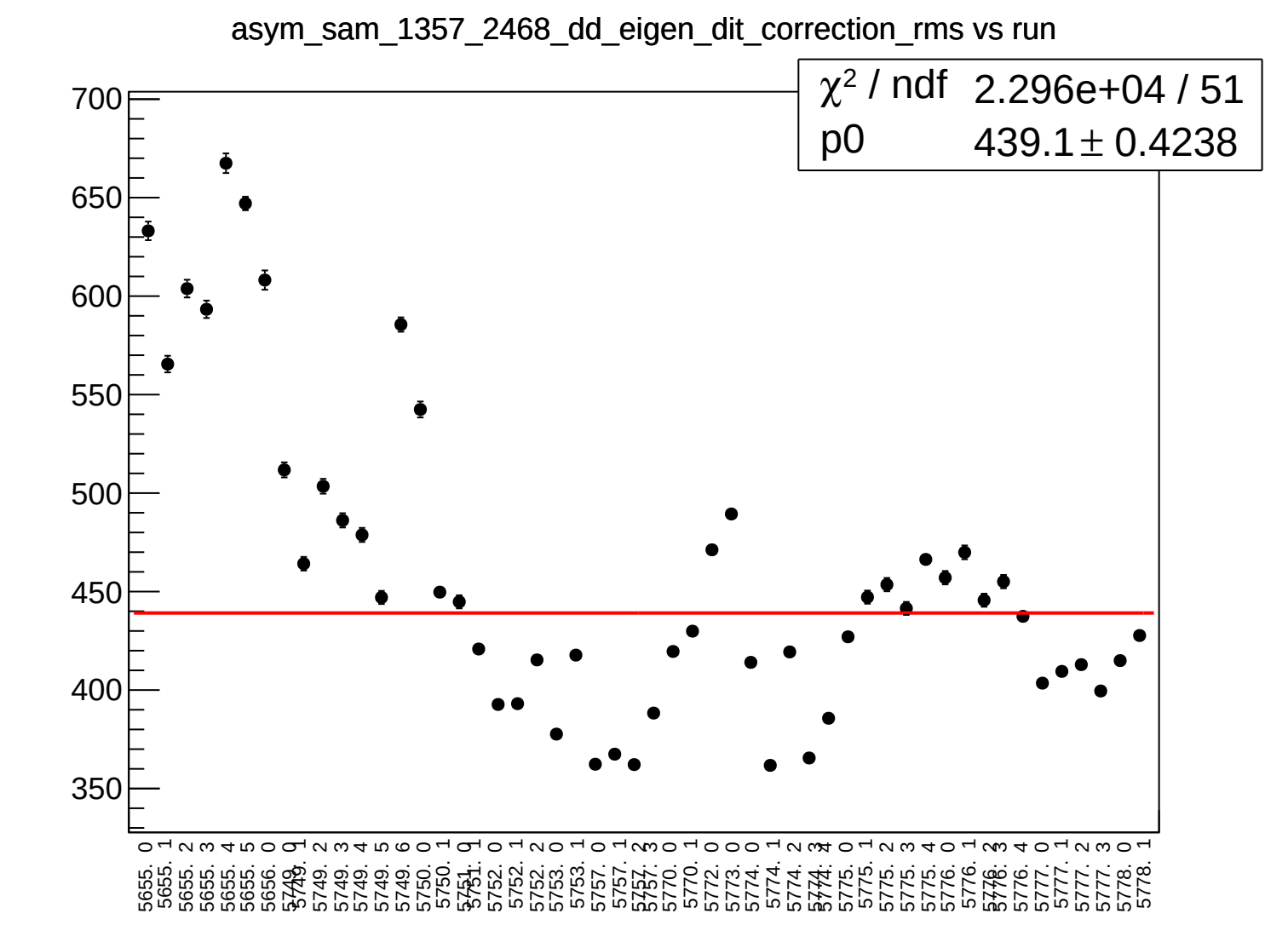
5778. 0
5778. 1


asym_sam_1357_2468_dd_eigen_dit_correction_mean vs run
χ² / ndf 47.57 / 51
p0 −100.5 ± 599.4
pull
Entries 52
Mean −97.85
Std Dev 0


pull1D
Entries 52
Mean −0.01312
Std Dev 0.9563


asym_sam_1357_2468_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.296e+04 / 51
p0 439.1 ± 0.4238
700
650
600
550
500
450
400
350
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5776. 4
5777. 0
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5777. 2
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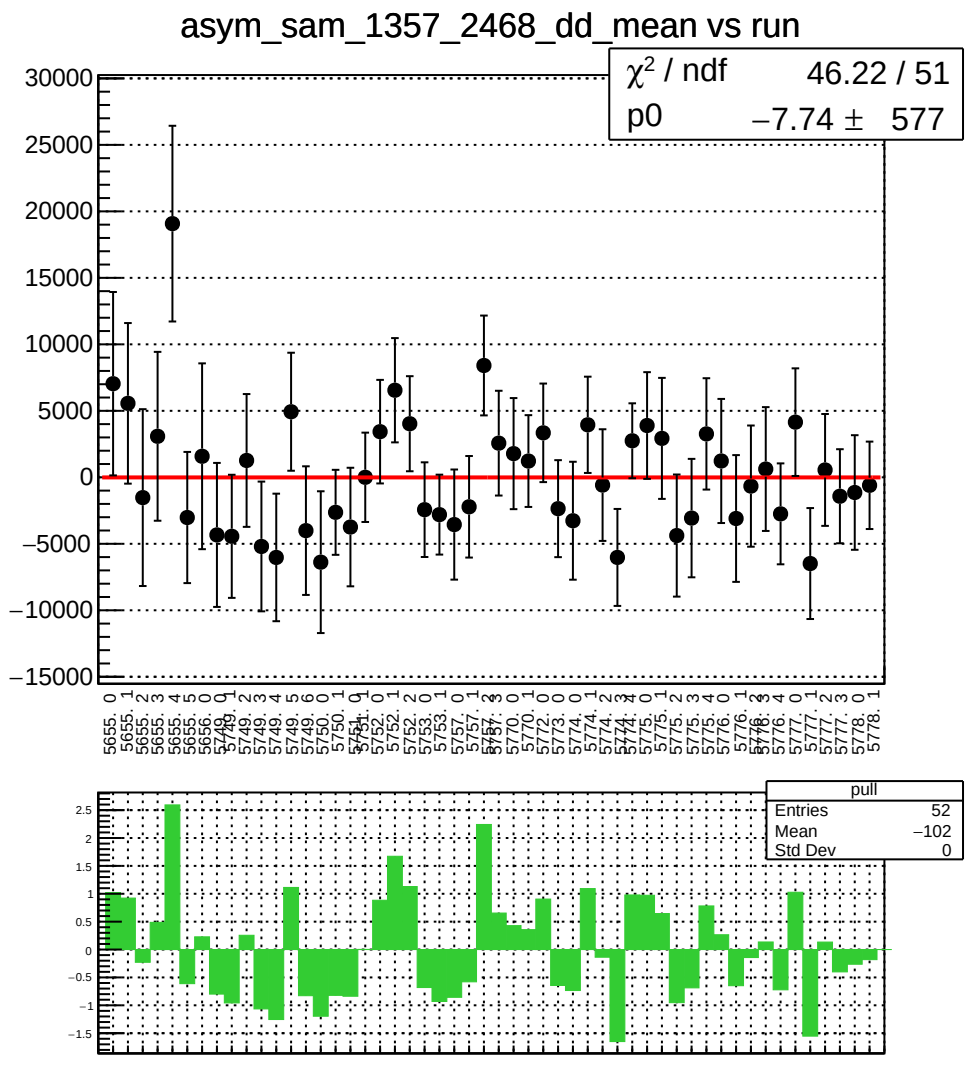
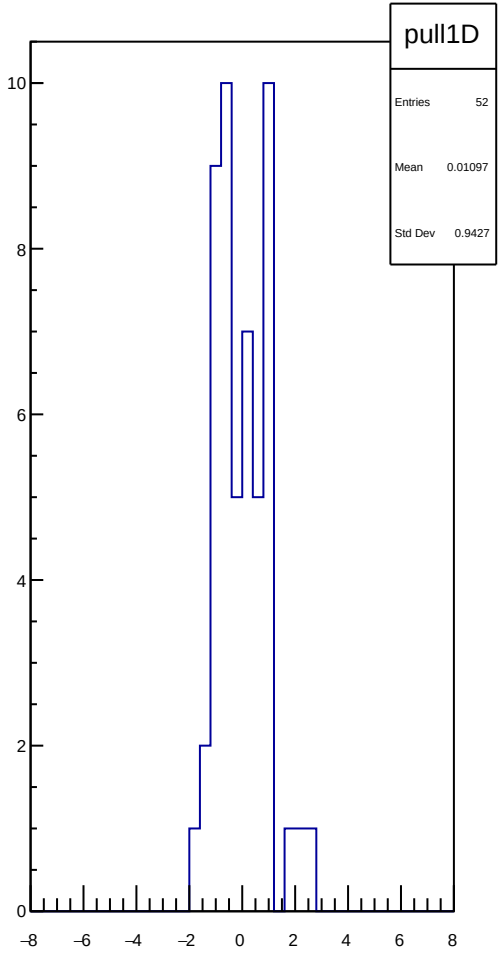
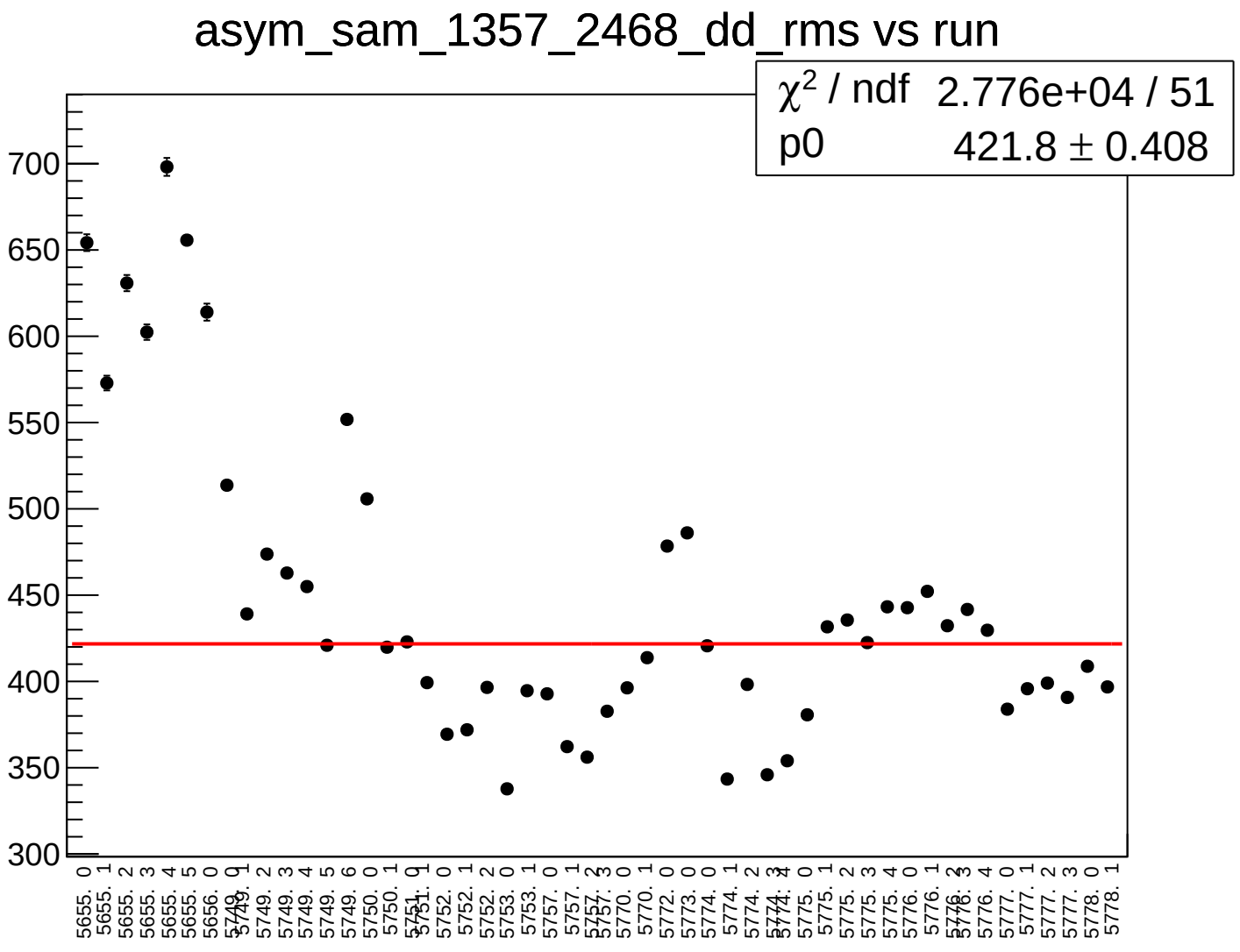
5778. 0
5778. 1


asym_sam_1357_2468_dd_mean vs run
χ² / ndf 46.22 / 51
p0 −7.74 ± 577
pull
Entries 52
Mean −102
Std Dev 0


pull1D
Entries 52
Mean 0.01097
Std Dev 0.9427


asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.776e+04 / 51
p0 421.8 ± 0.408
700
650
600
550
500
450
400
350
300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5775. 0
5775. 1
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5775. 3
5775. 4
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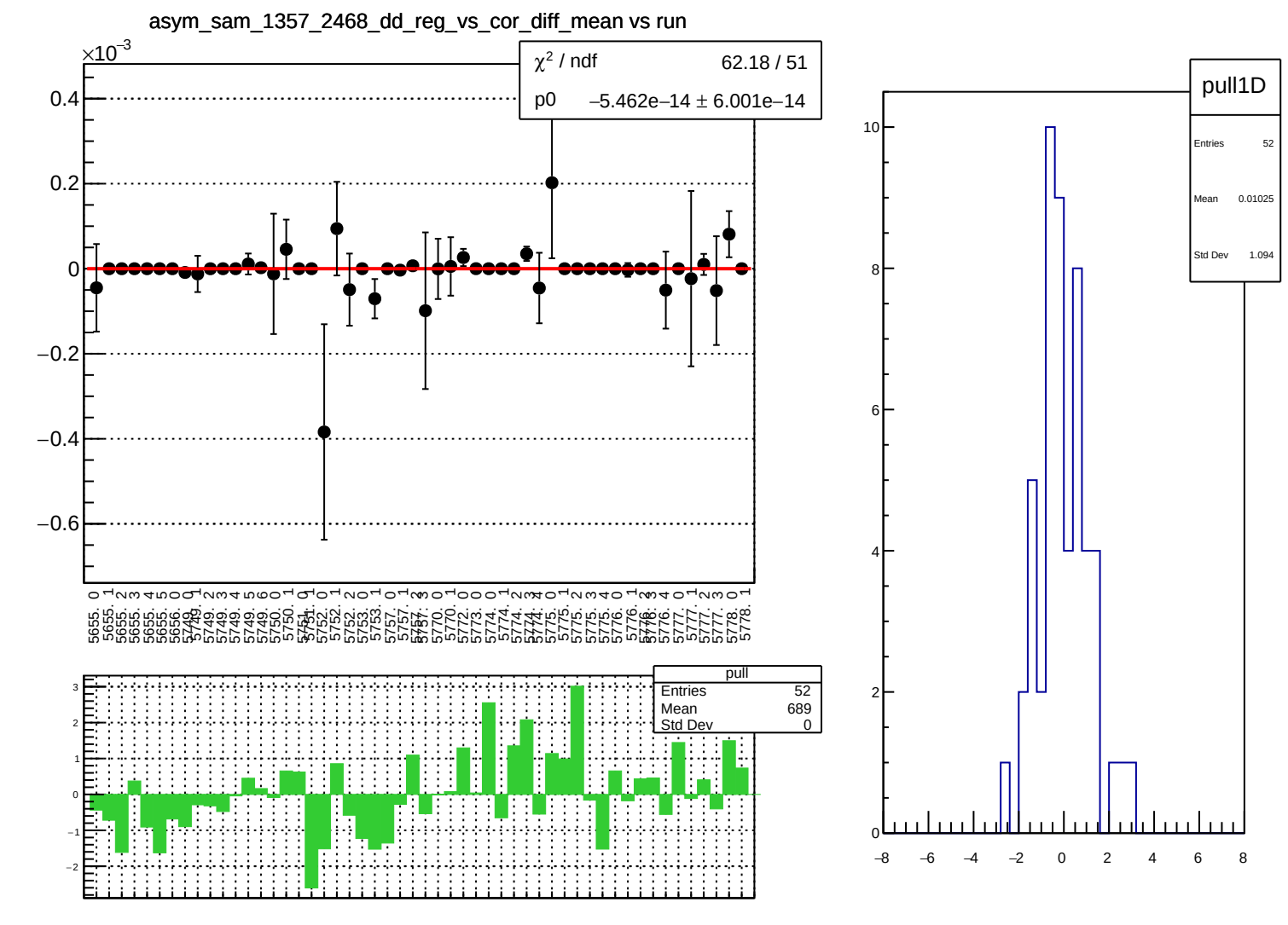
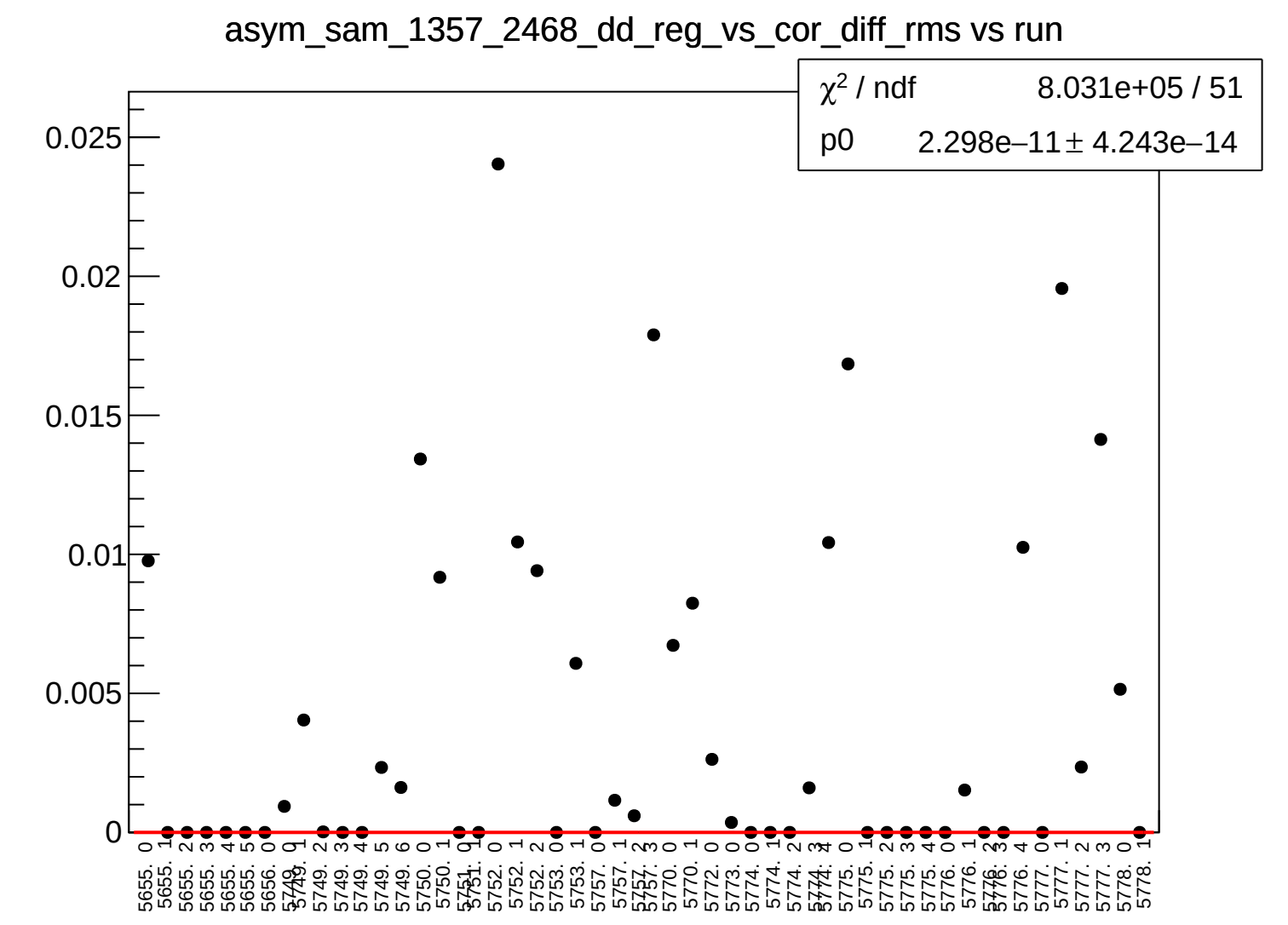
5776. 1
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 62.18 / 51
p0 −5.462e−14 ± 6.001e−14
pull
Entries 52
Mean 689
Std Dev 0
pull1D
Entries 52
Mean 0.01025
Std Dev 1.094


asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.031e+05 / 51
p0 2.298e−11 ± 4.243e−14
0.025
0.02
0.015
0.01
0.005
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
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5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
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5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
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5773. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
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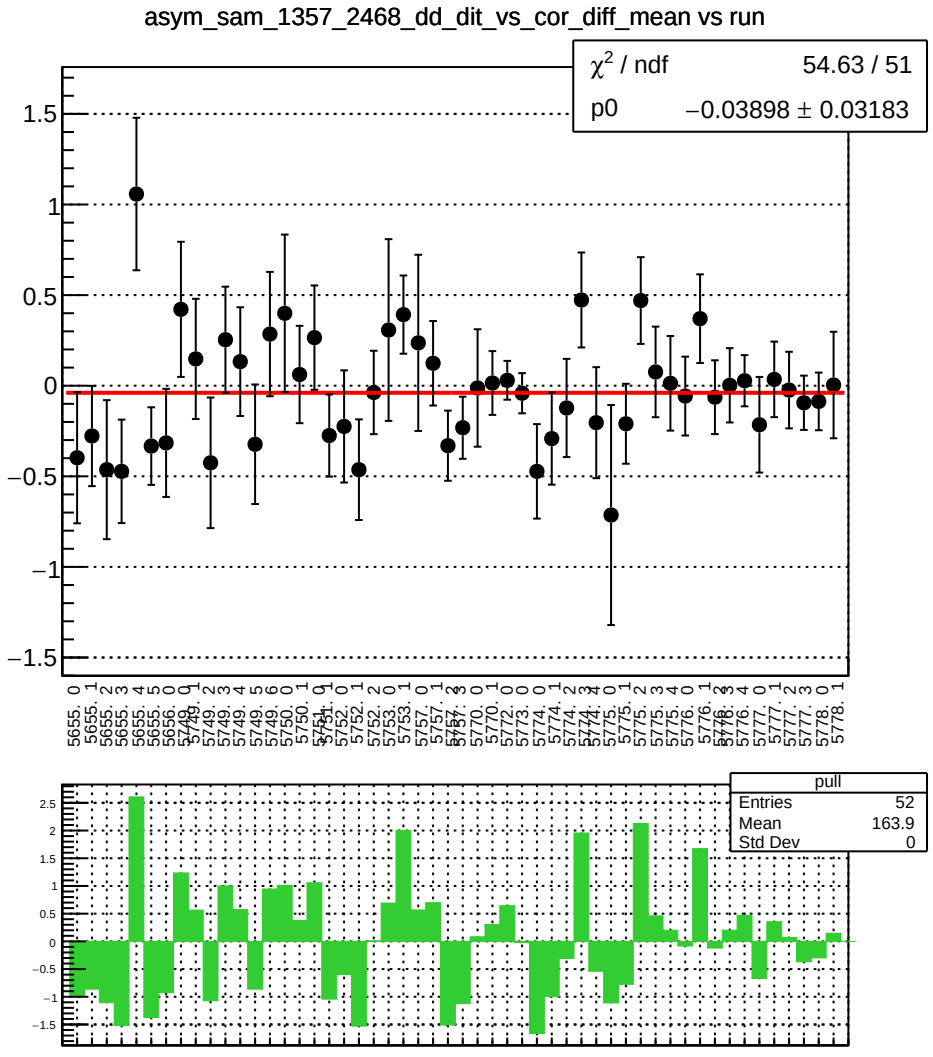
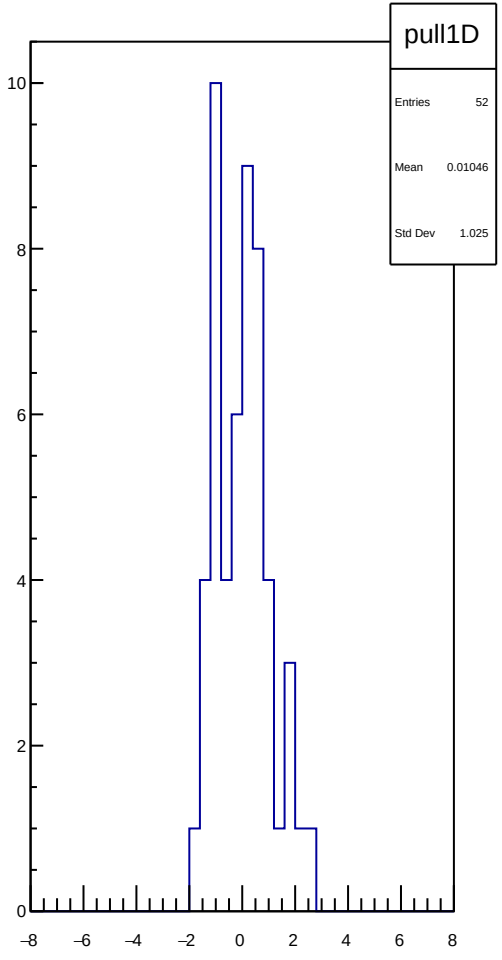
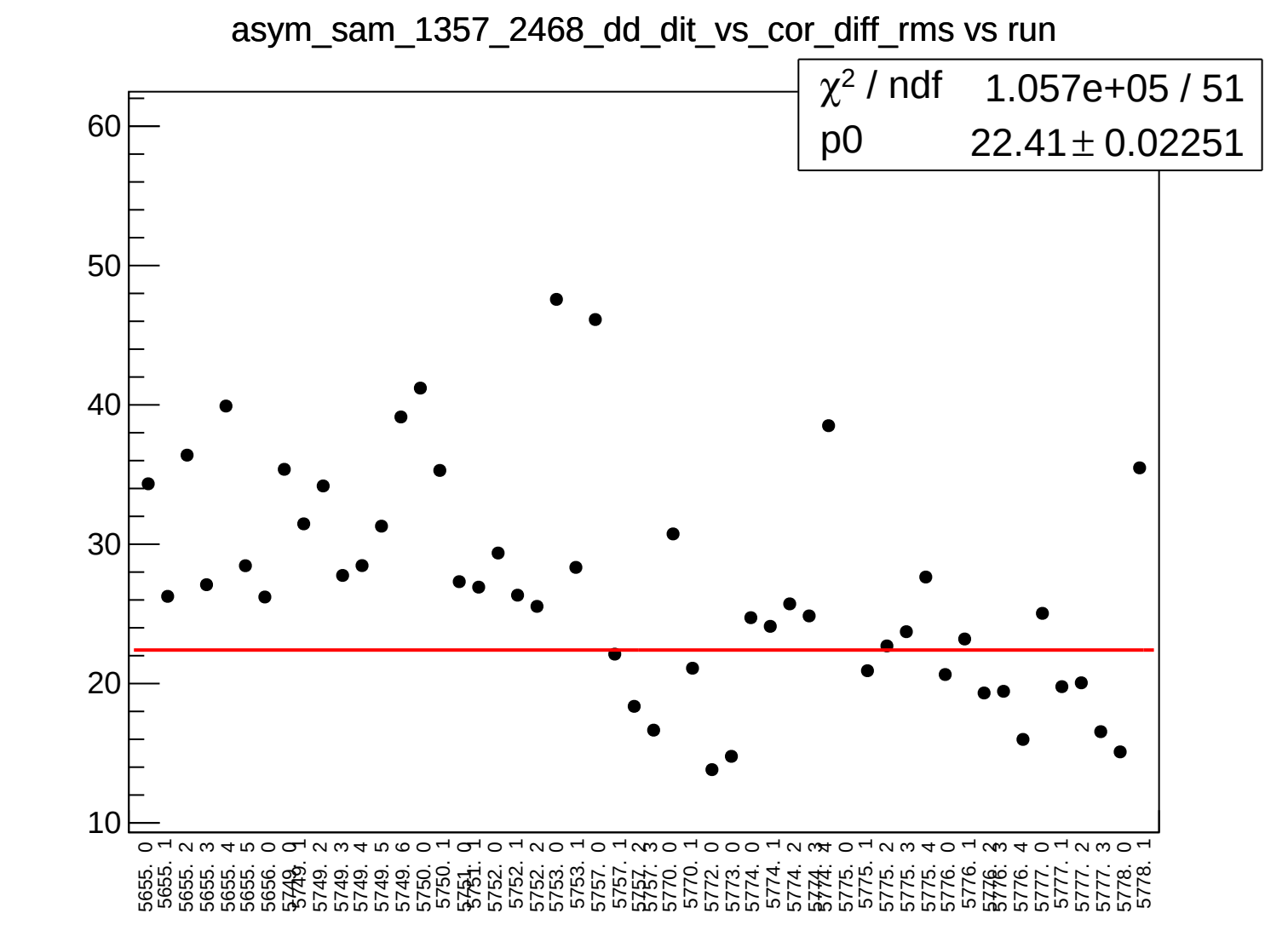
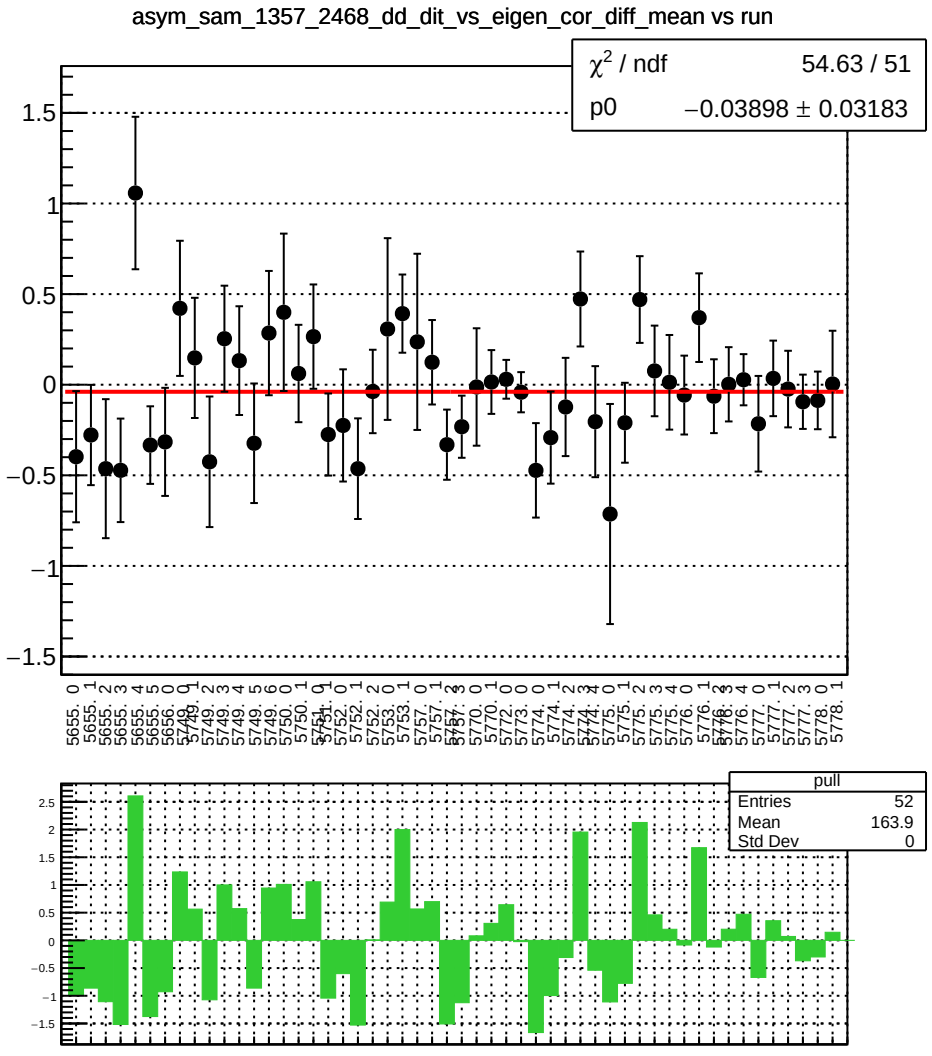
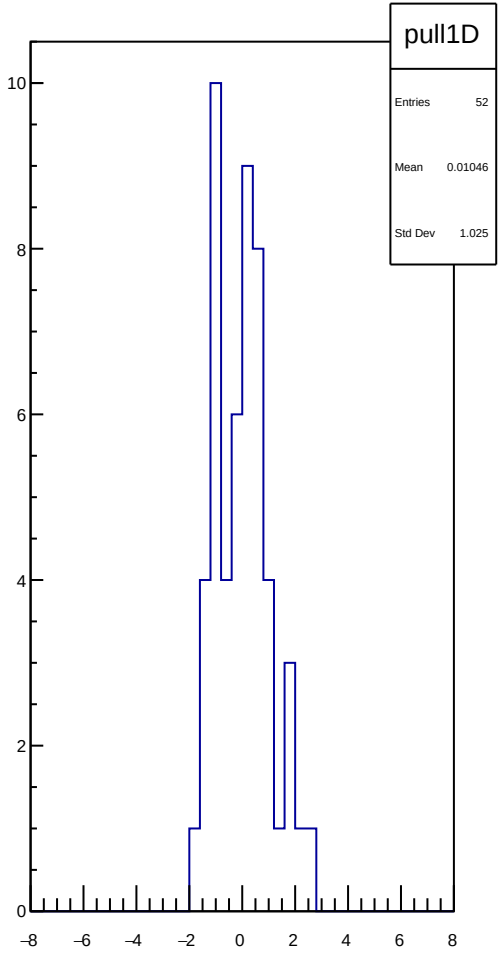
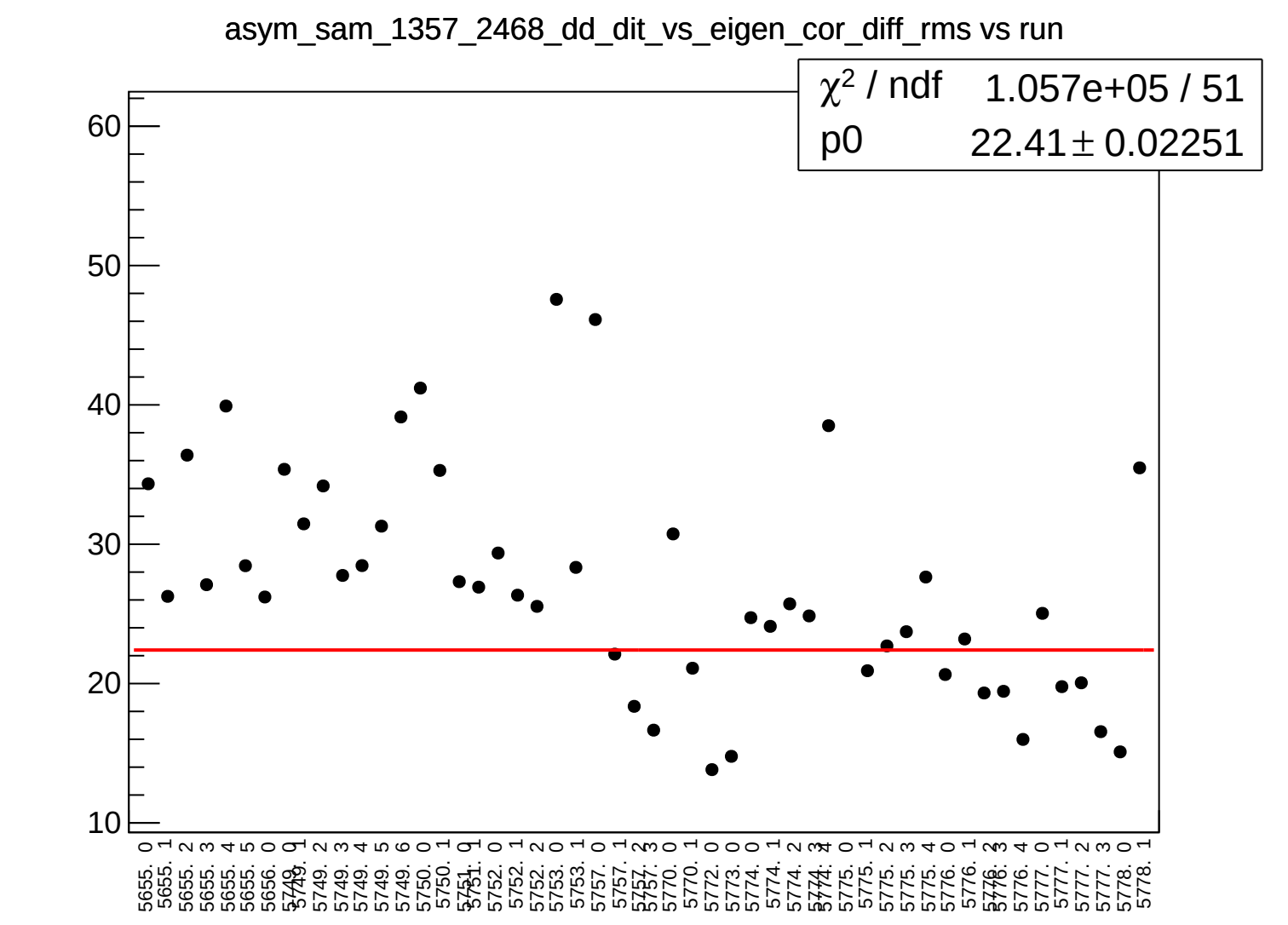

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 54.63 / 51
p0 −0.03898 ± 0.03183
pull
Entries 52
Mean 163.9
Std Dev 0


pull1D
Entries 52
Mean 0.01046
Std Dev 1.025


asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.057e+05 / 51
p0 22.41 ± 0.02251
60
50
40
30
20
10
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.63 / 51
p0 −0.03898 ± 0.03183
pull
Entries 52
Mean 163.9
Std Dev 0


pull1D
Entries 52
Mean 0.01046
Std Dev 1.025


asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.057e+05 / 51
p0 22.41 ± 0.02251
60
50
40
30
20
10
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
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5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
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5753. 1
5757. 0
5757. 1
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5770. 0
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5773. 0
5774. 0
5774. 1
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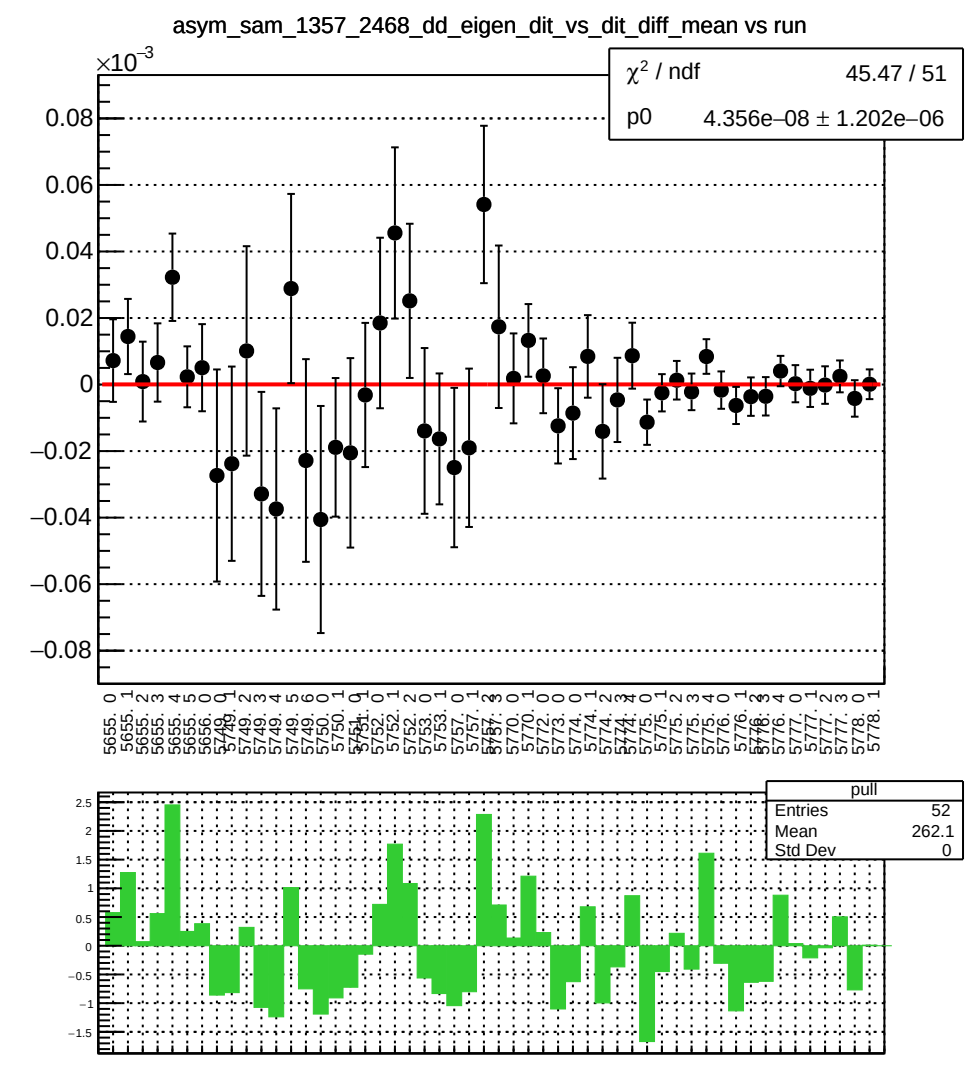
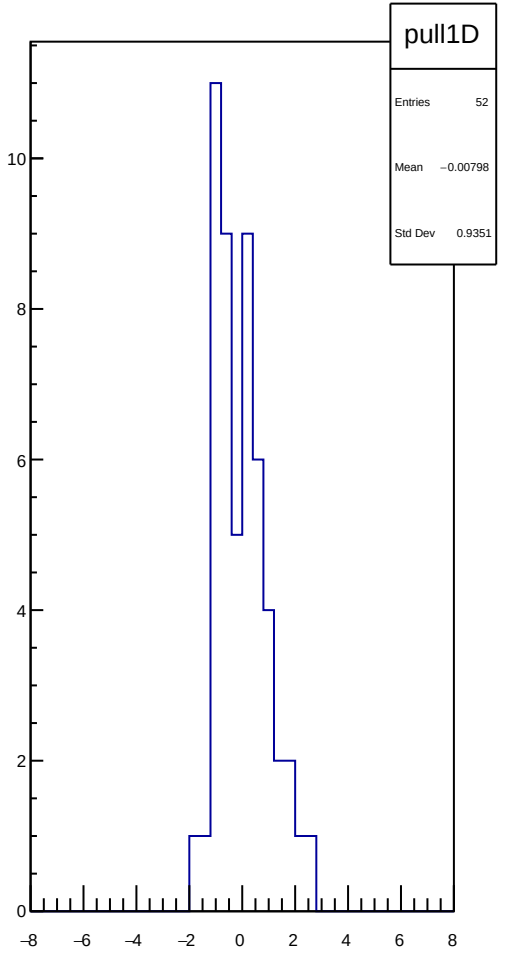
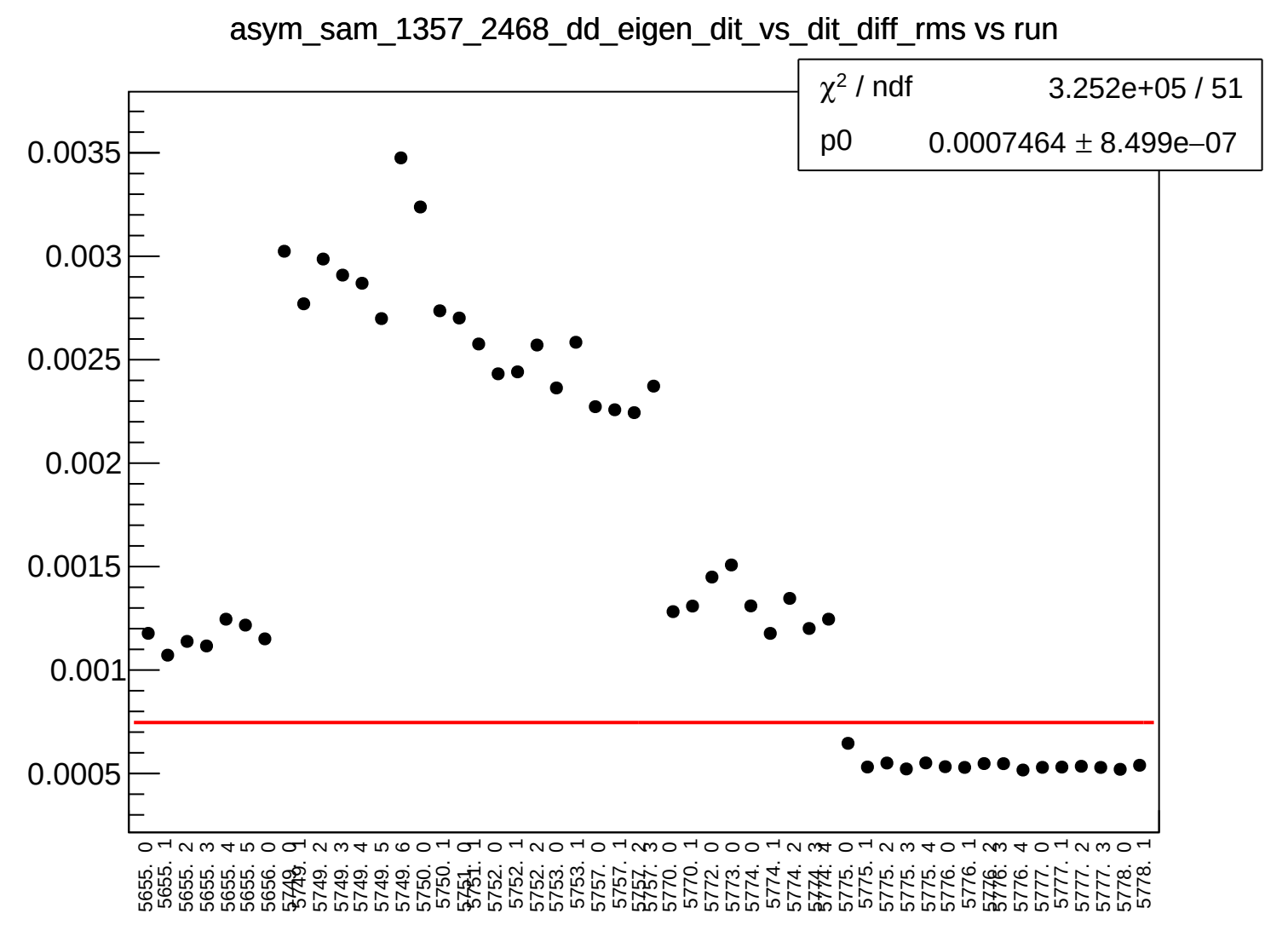
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 45.47 / 51
p0 4.356e−08 ± 1.202e−06
pull
Entries 52
Mean 262.1
Std Dev 0


pull1D
Entries 52
Mean −0.00798
Std Dev 0.9351


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.252e+05 / 51
p0 0.0007464 ± 8.499e−07
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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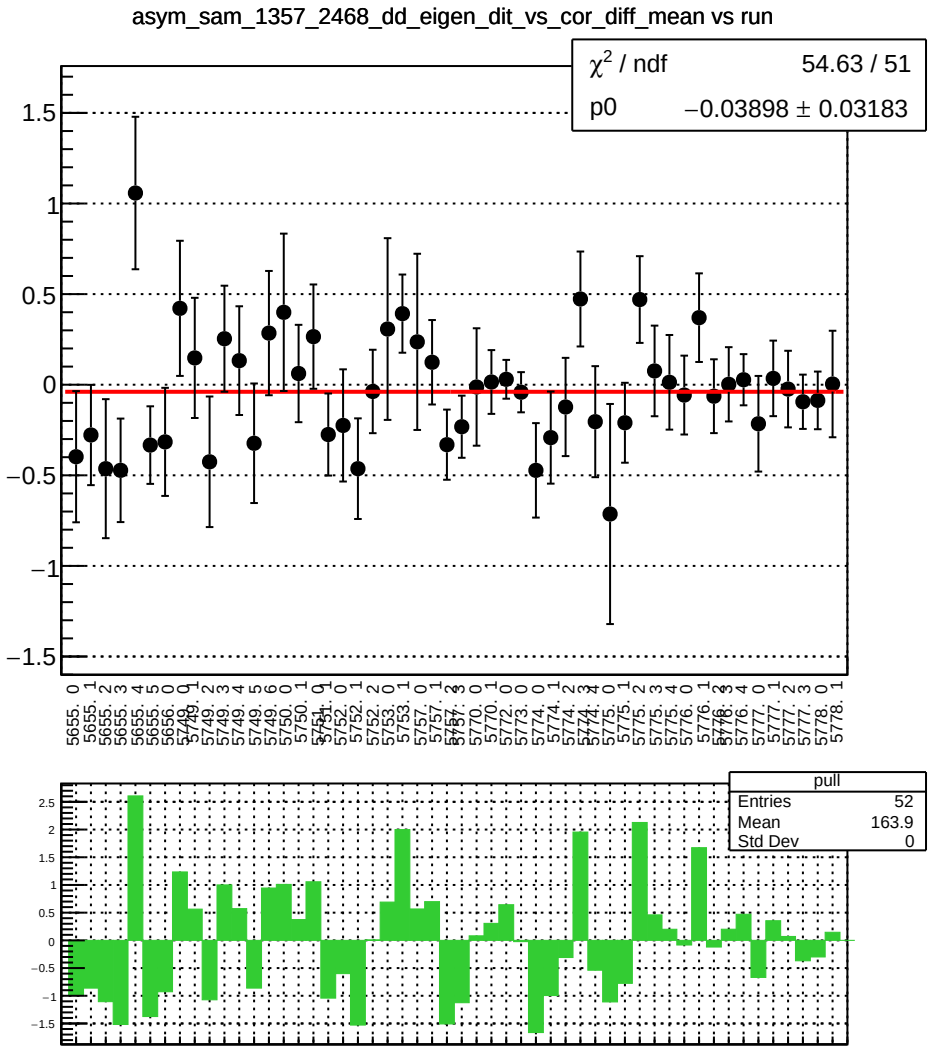
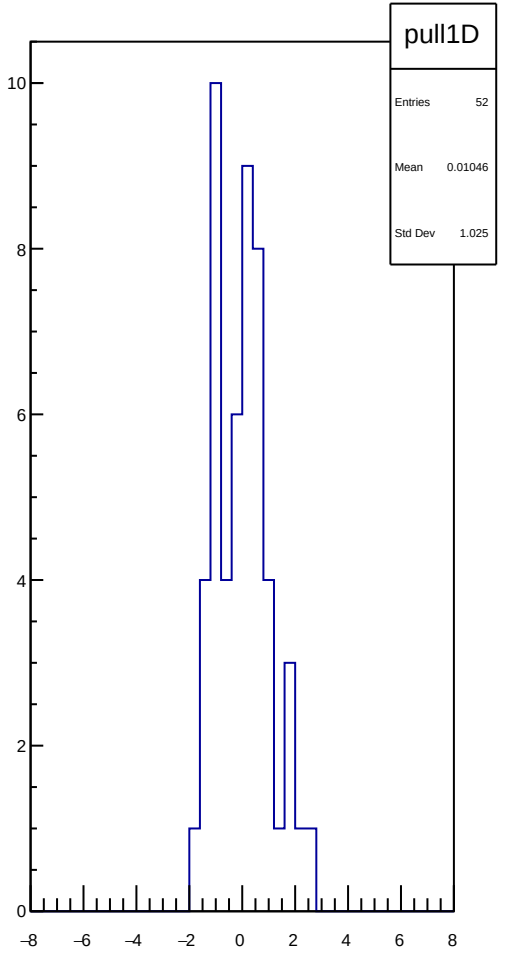
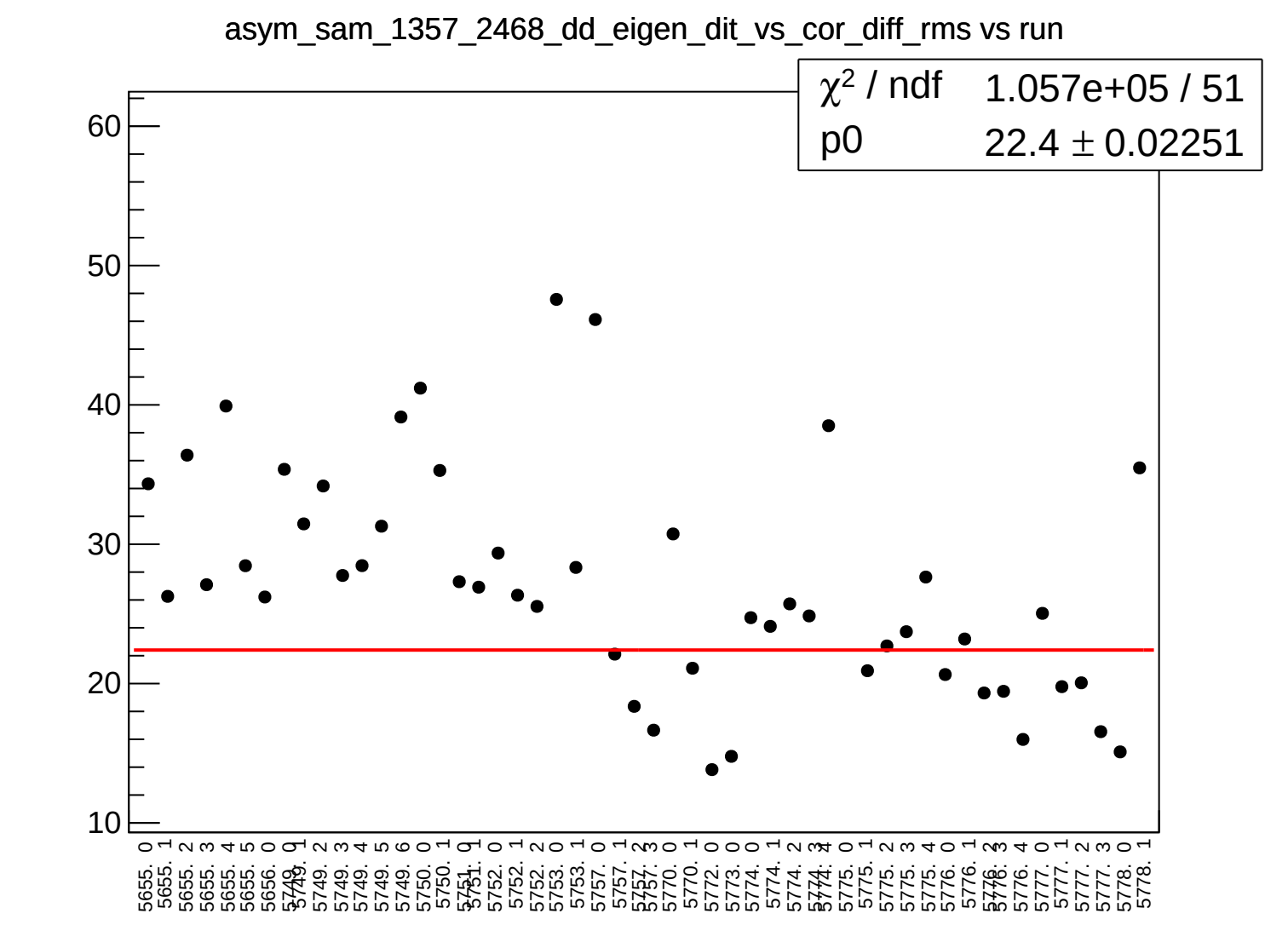
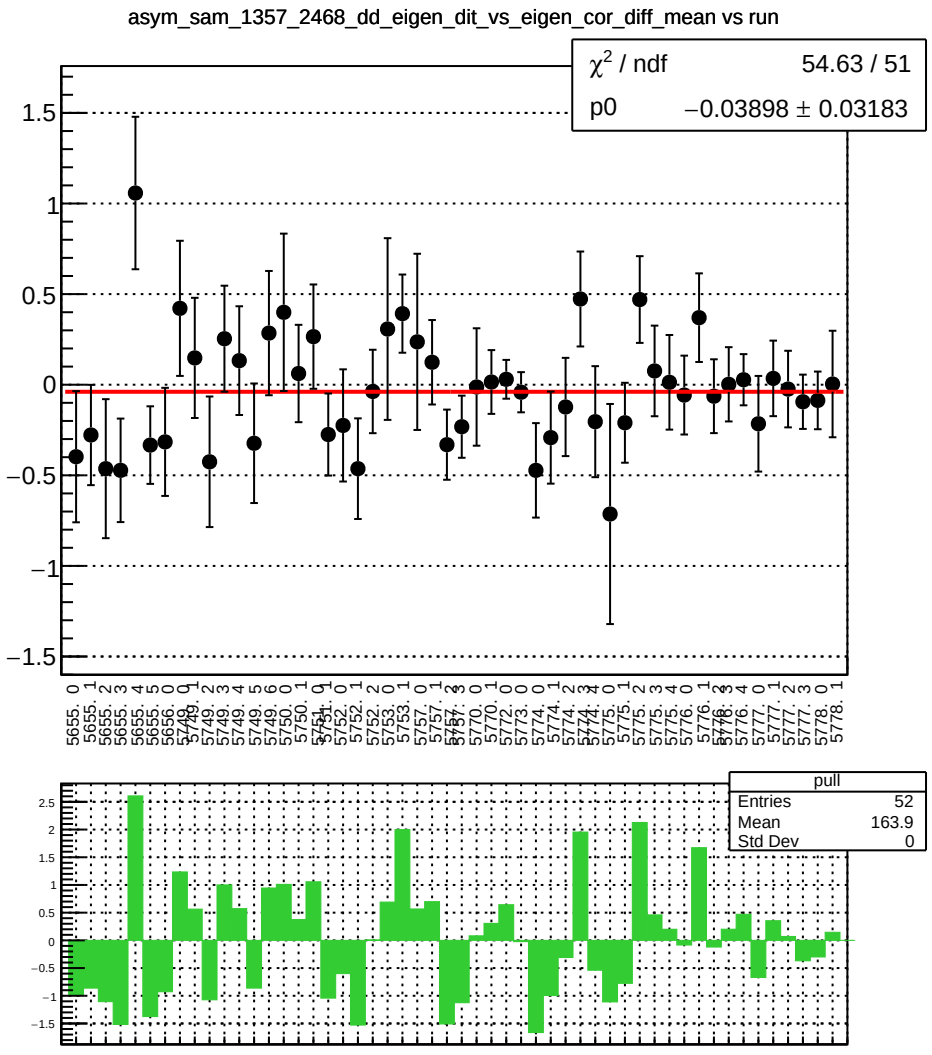
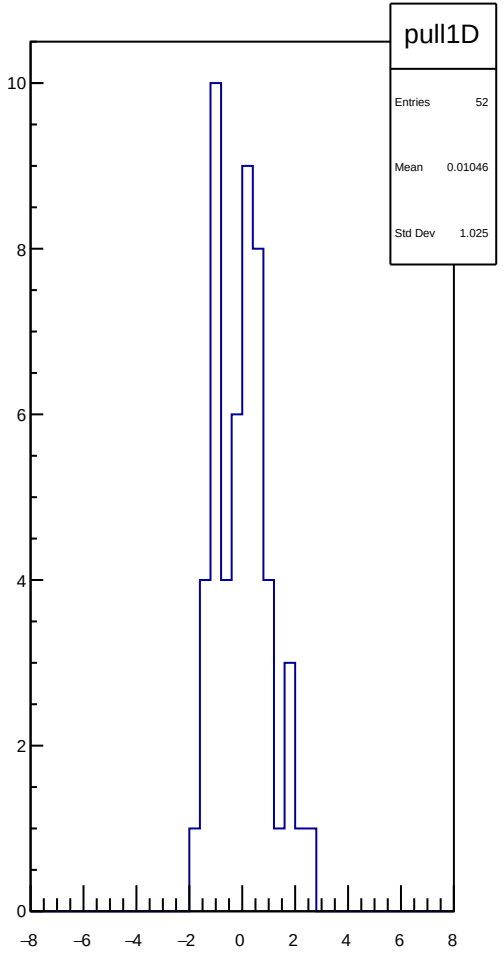
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

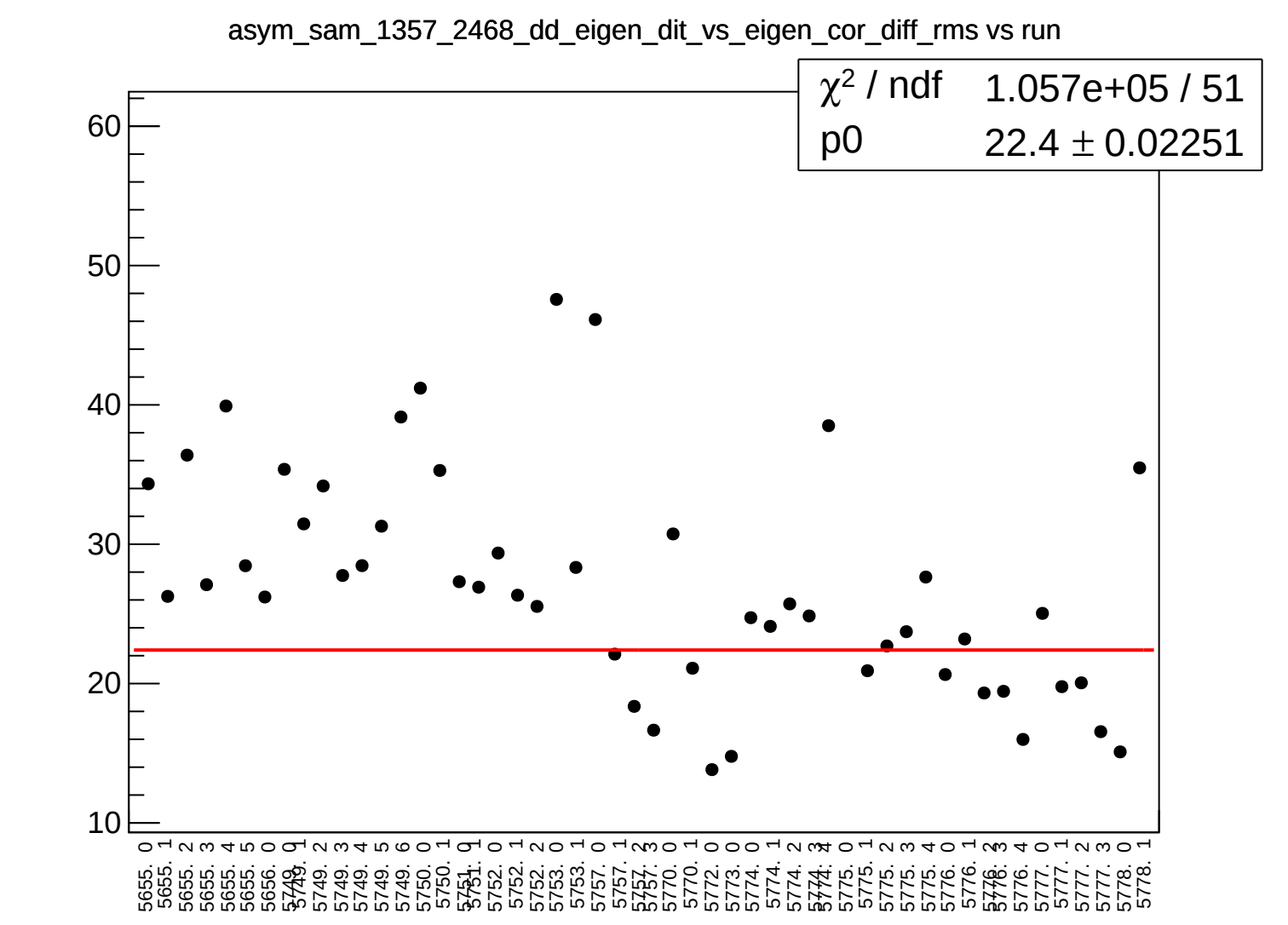

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.63 / 51
p0 −0.03898 ± 0.03183
pull
Entries 52
Mean 163.9
Std Dev 0

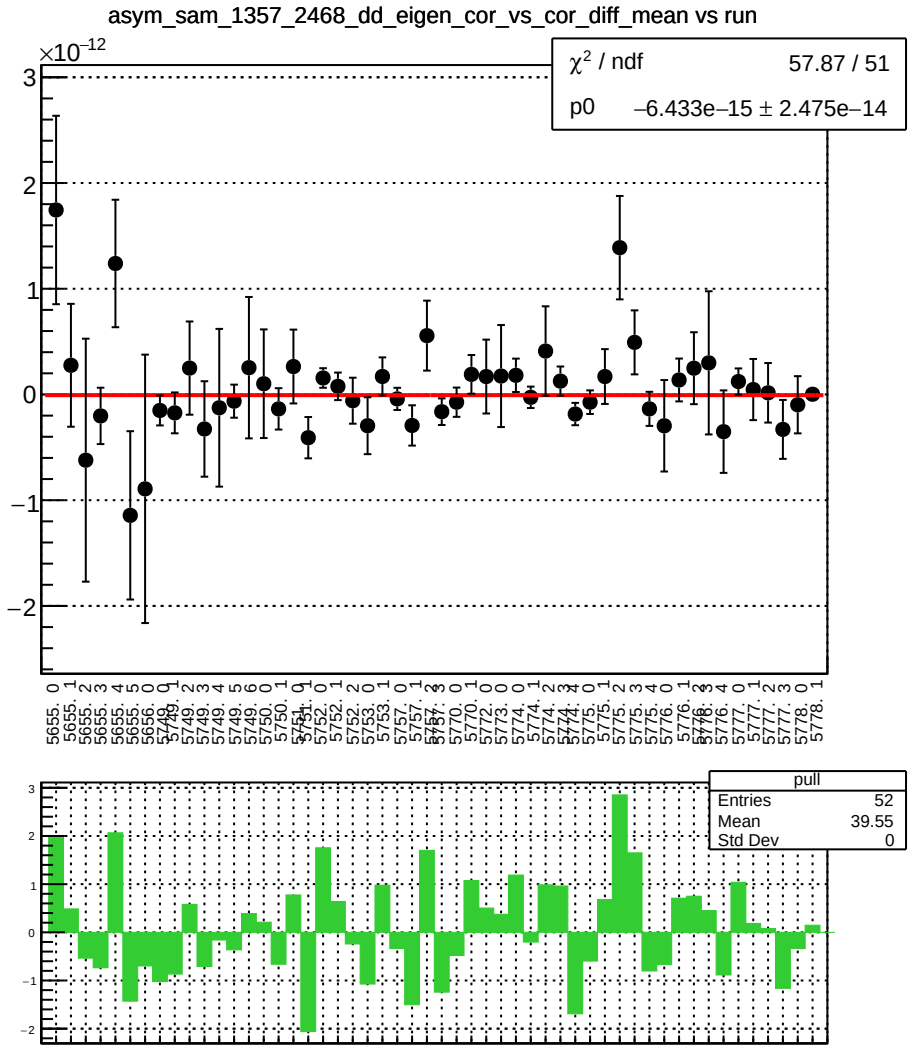

pull1D
Entries 52
Mean 0.01046
Std Dev 1.025

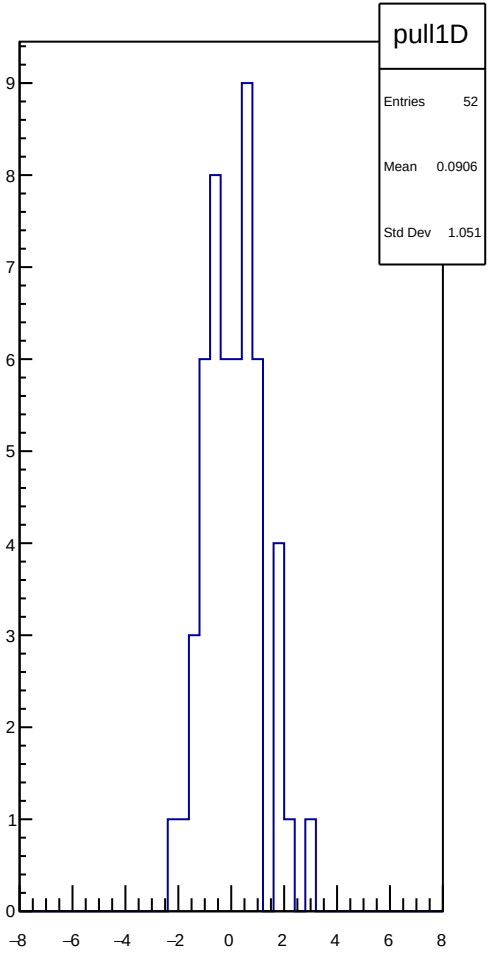

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.057e+05 / 51
p0 22.4 ± 0.02251
60
50
40
30
20
10
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

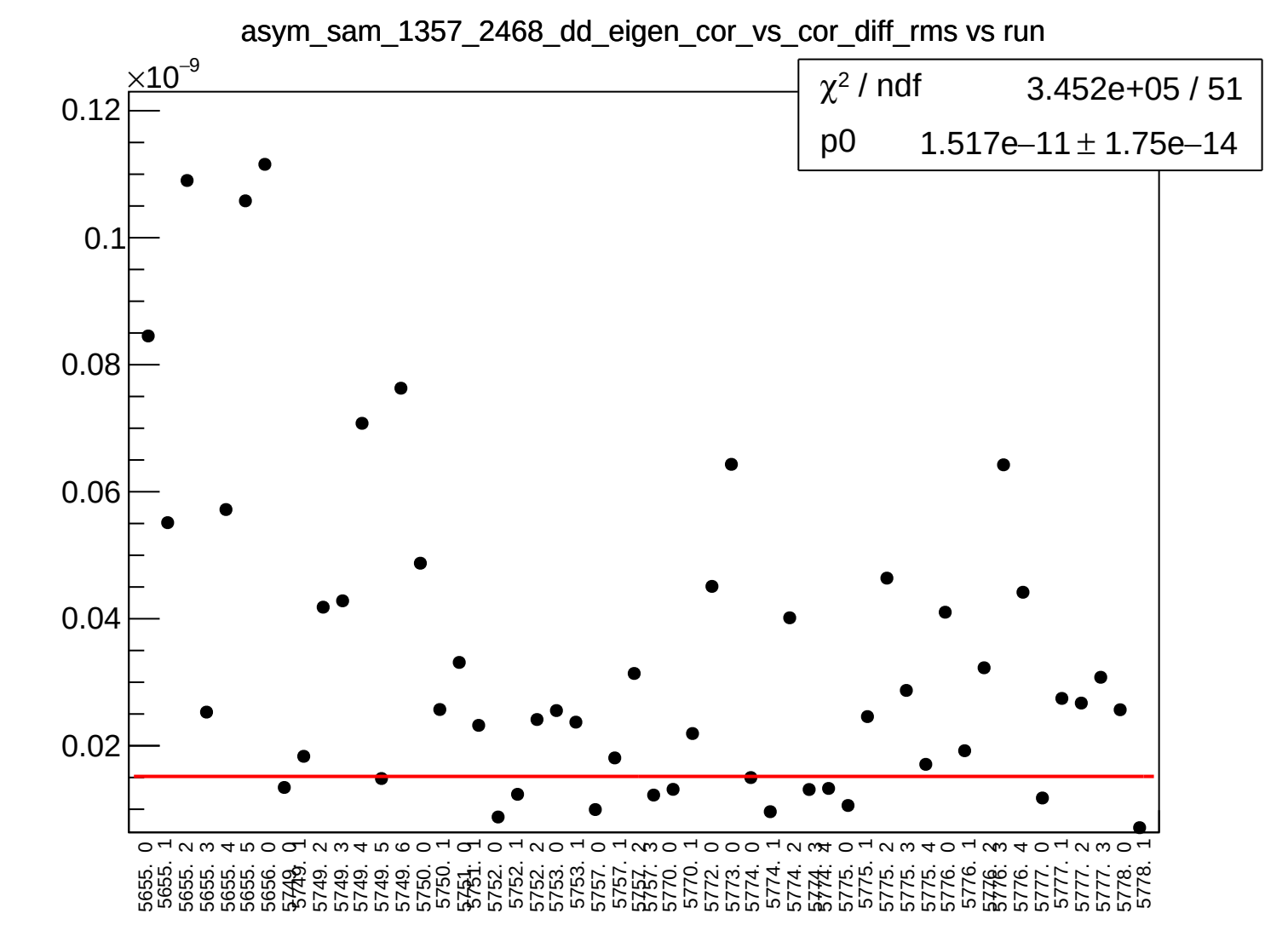

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.63 / 51
p0 −0.03898 ± 0.03183
pull
Entries 52
Mean 163.9
Std Dev 0


pull1D
Entries 52
Mean 0.01046
Std Dev 1.025


asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.057e+05 / 51
p0 22.4 ± 0.02251
60
50
40
30
20
10
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 57.87 / 51
p0 −6.433e−15 ± 2.475e−14
pull
Entries 52
Mean 39.55
Std Dev 0


pull1D
Entries 52
Mean 0.0906
Std Dev 1.051


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.452e+05 / 51
p0 1.517e−11 ± 1.75e−14
0.12
0.1
0.08
0.06
0.04
0.02
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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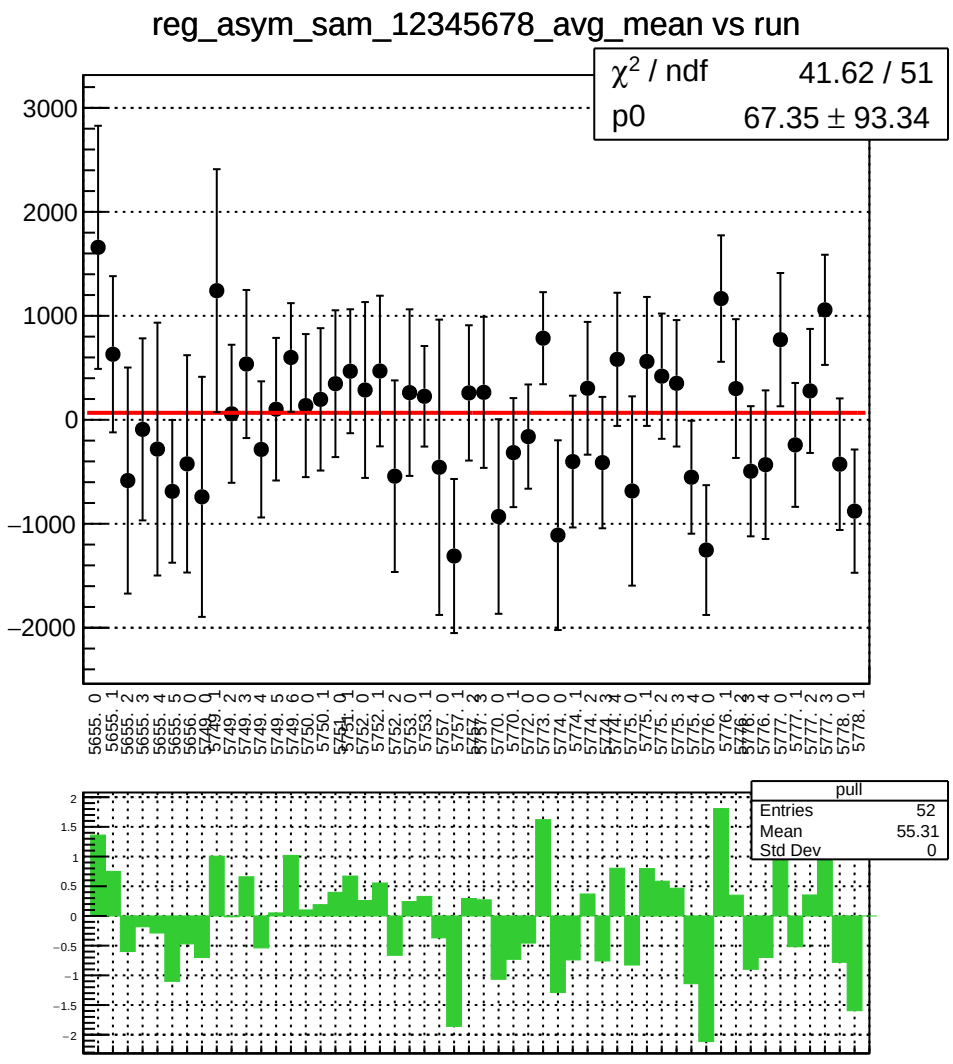
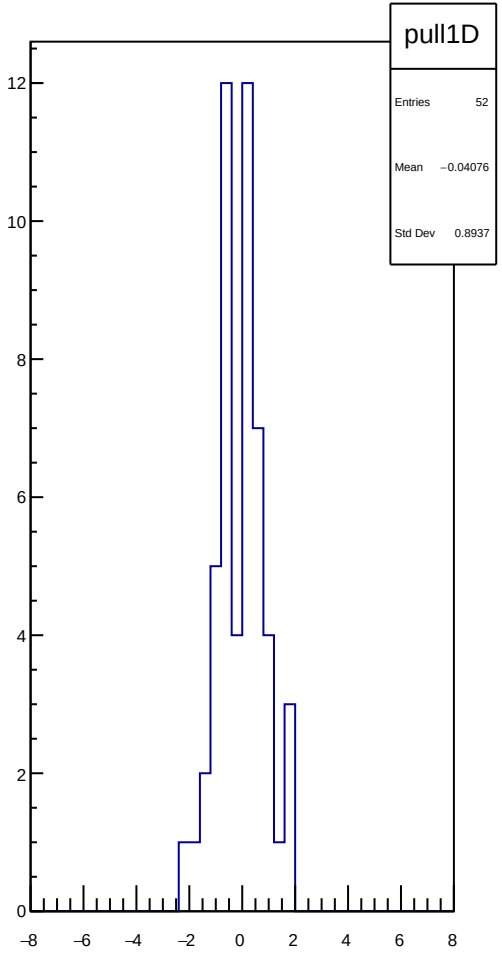
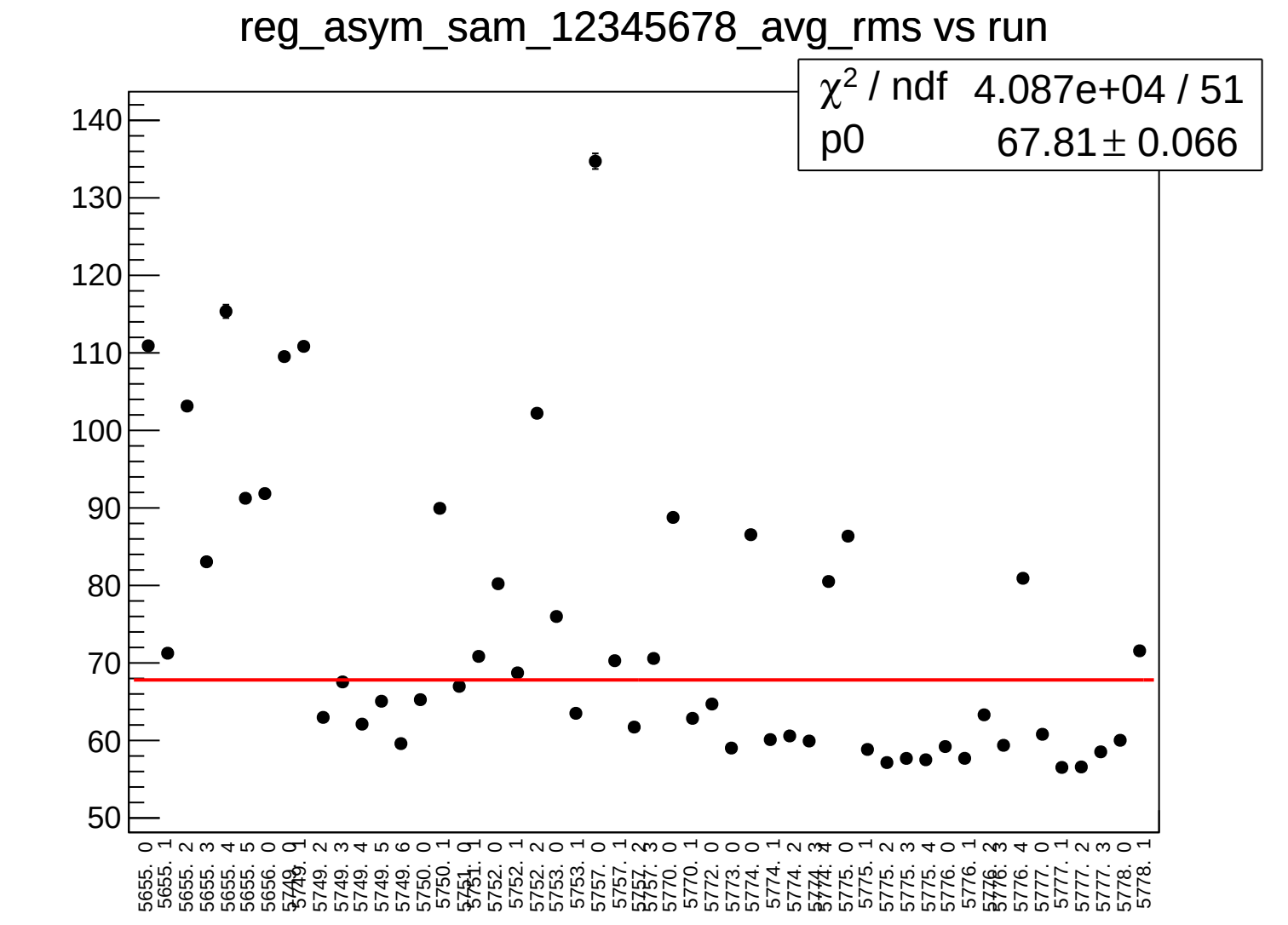
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


reg_asym_sam_12345678_avg_mean vs run
χ^2 / ndf 41.62 / 51
p0 67.35 ± 93.34
pull
Entries 52
Mean 55.31
Std Dev 0


pull1D
Entries 52
Mean −0.04076
Std Dev 0.8937


reg_asym_sam_12345678_avg_rms vs run
χ² / ndf 4.087e+04 / 51
p0 67.81 ± 0.066
140
130
120
110
100
90
80
70
60
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
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5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
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5776. 0
5776. 1
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5776. 3
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5777. 1
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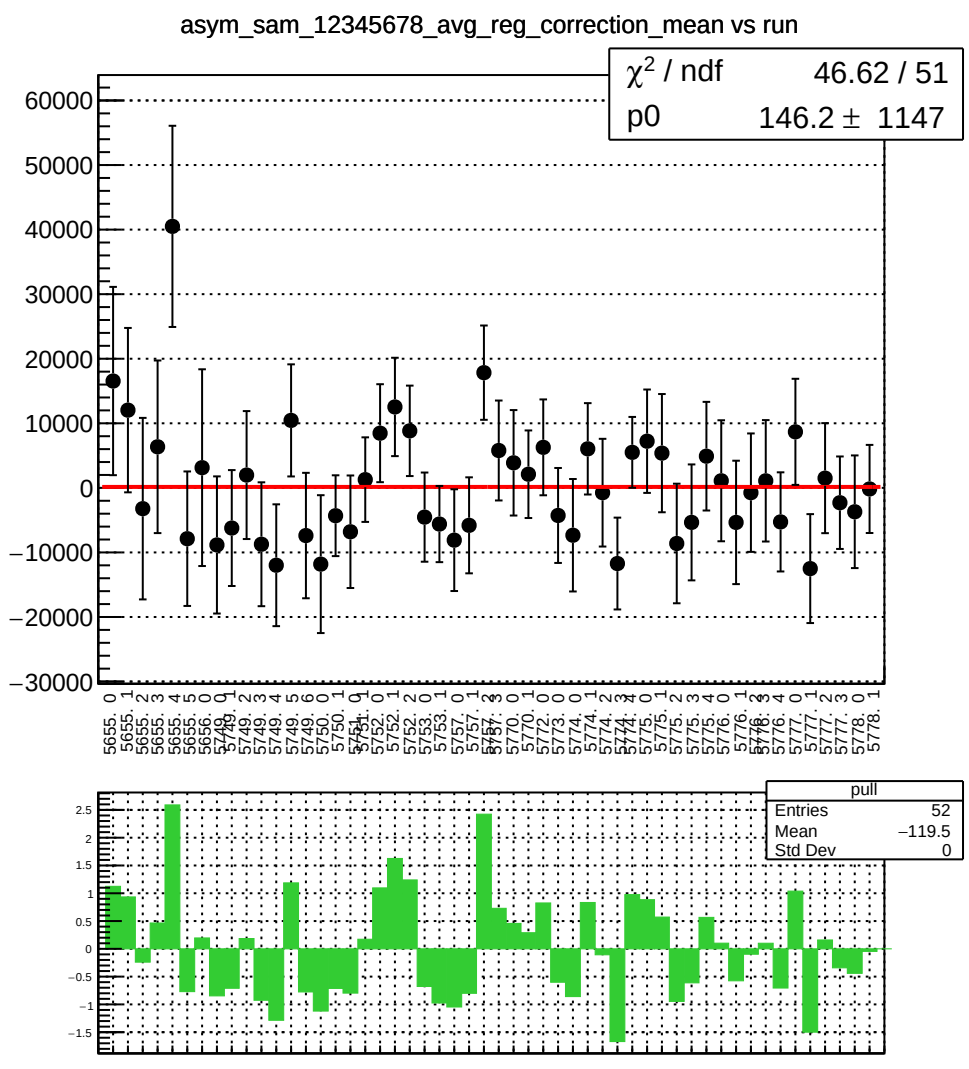
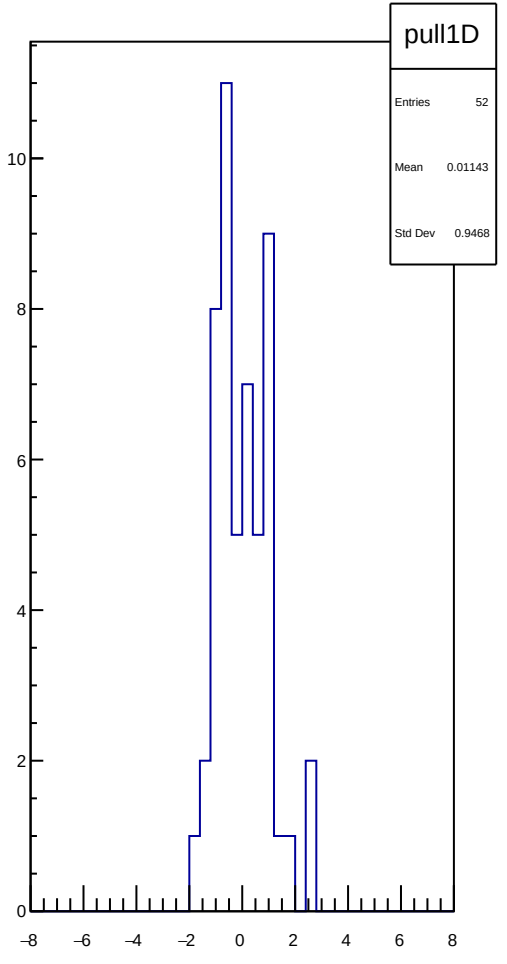
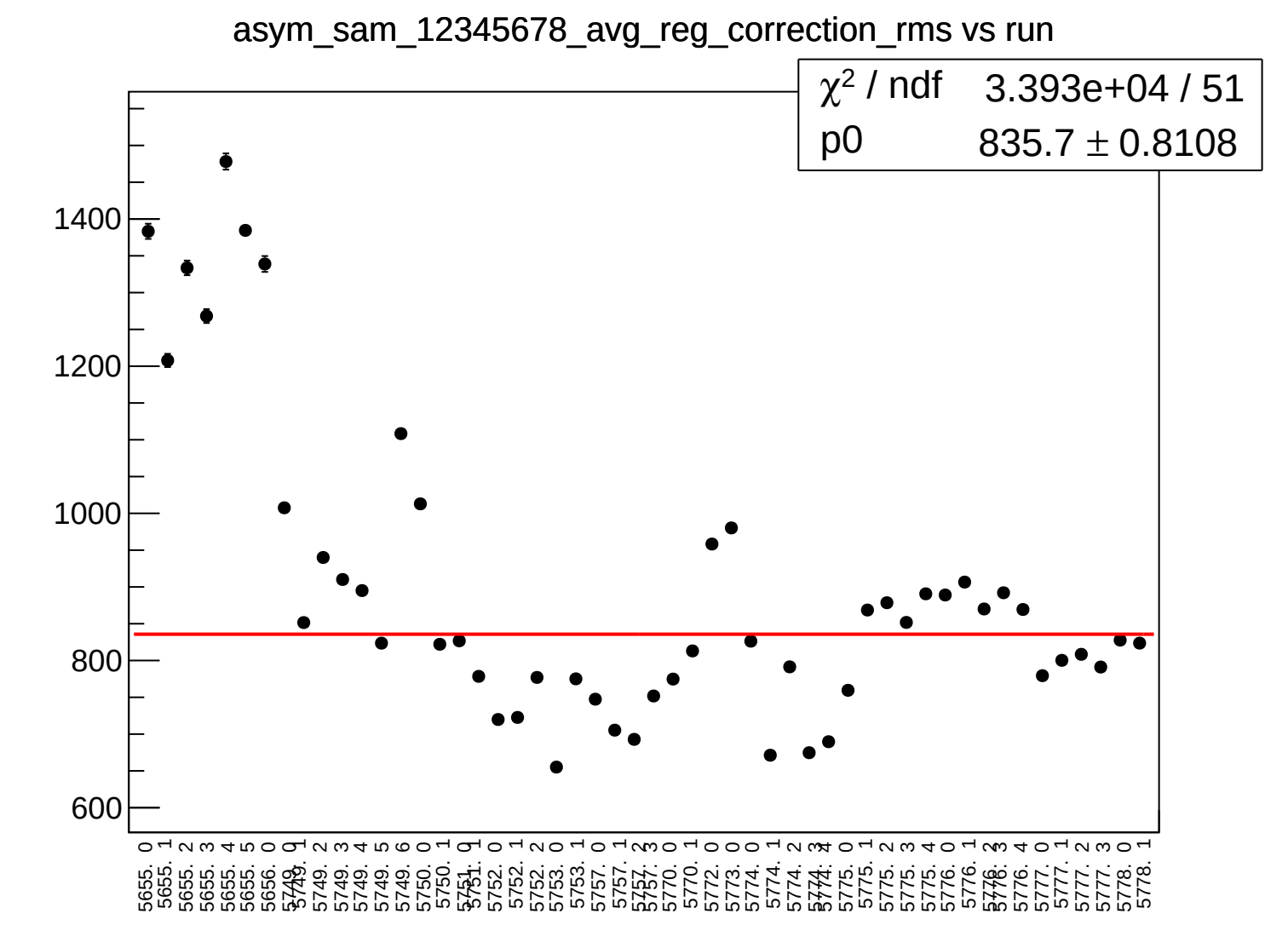
5778. 0
5778. 1


asym_sam_12345678_avg_reg_correction_mean vs run
χ² / ndf 46.62 / 51
p0 146.2 ± 1147
pull
Entries 52
Mean −119.5
Std Dev 0


pull1D
Entries 52
Mean 0.01143
Std Dev 0.9468


asym_sam_12345678_avg_reg_correction_rms vs run
χ² / ndf 3.393e+04 / 51
p0 835.7 ± 0.8108
1400
1200
1000
800
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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5751. 1
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5753. 1
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5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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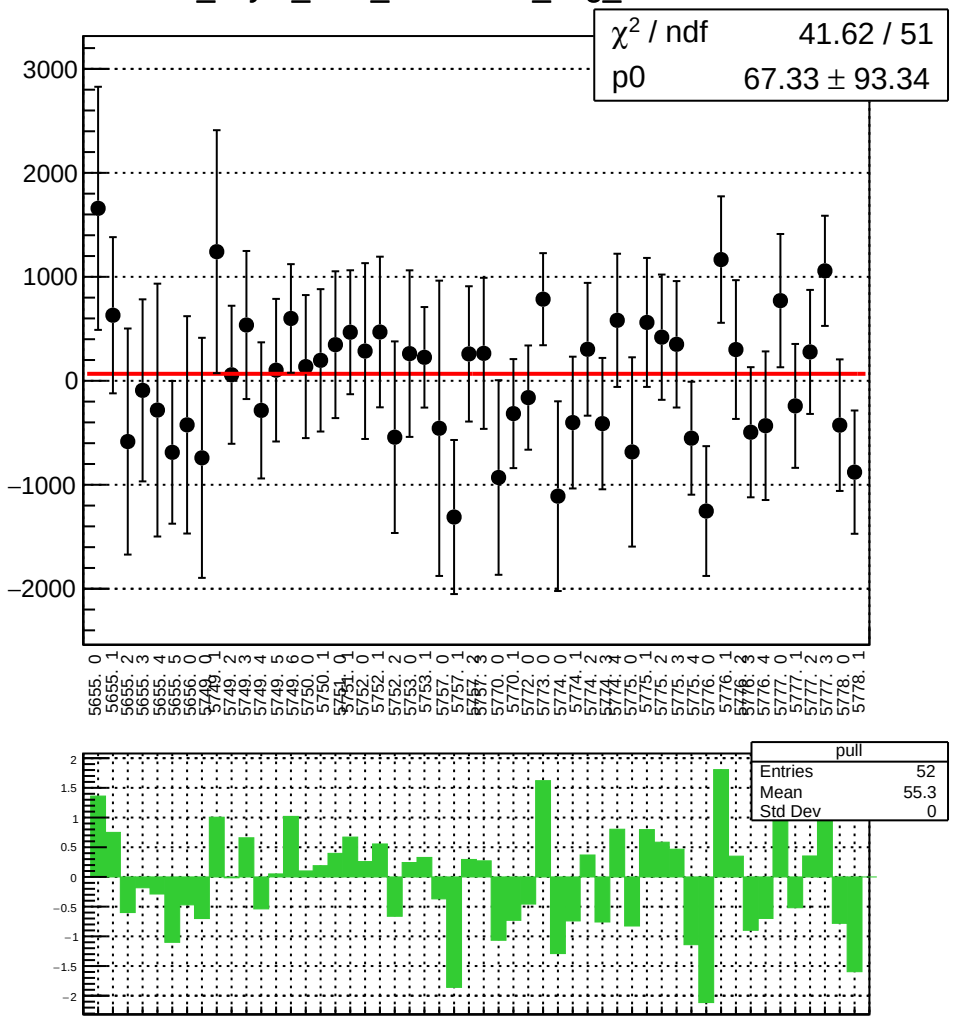
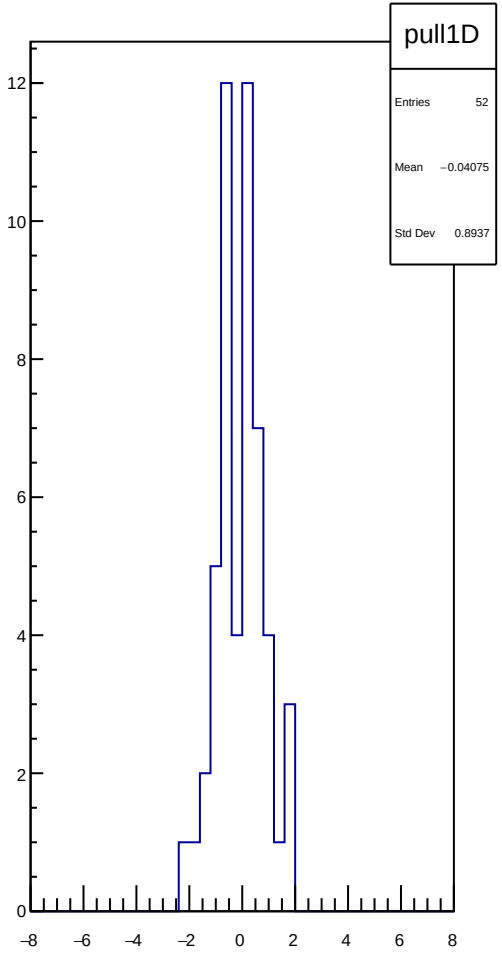
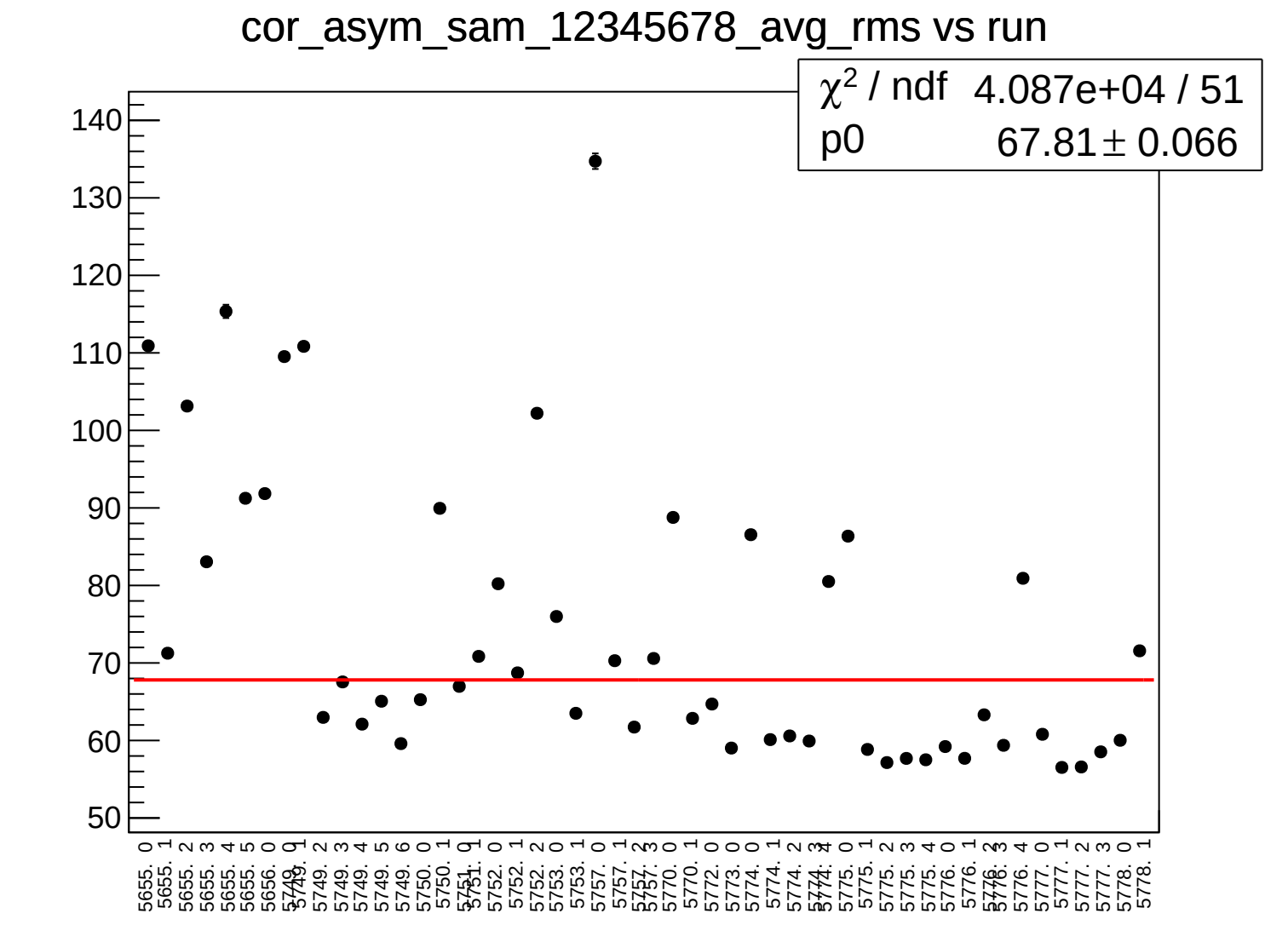
5777. 2
5777. 3
5778. 0
5778. 1


cor_asym_sam_12345678_avg_mean vs run
χ^2 / ndf 41.62 / 51
p0 67.33 ± 93.34
pull
Entries 52
Mean 55.3
Std Dev 0


pull1D
Entries 52
Mean −0.04075
Std Dev 0.8937


cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 4.087e+04 / 51
p0 67.81 ± 0.066
140
130
120
110
100
90
80
70
60
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
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5757. 0
5757. 1
5757. 2
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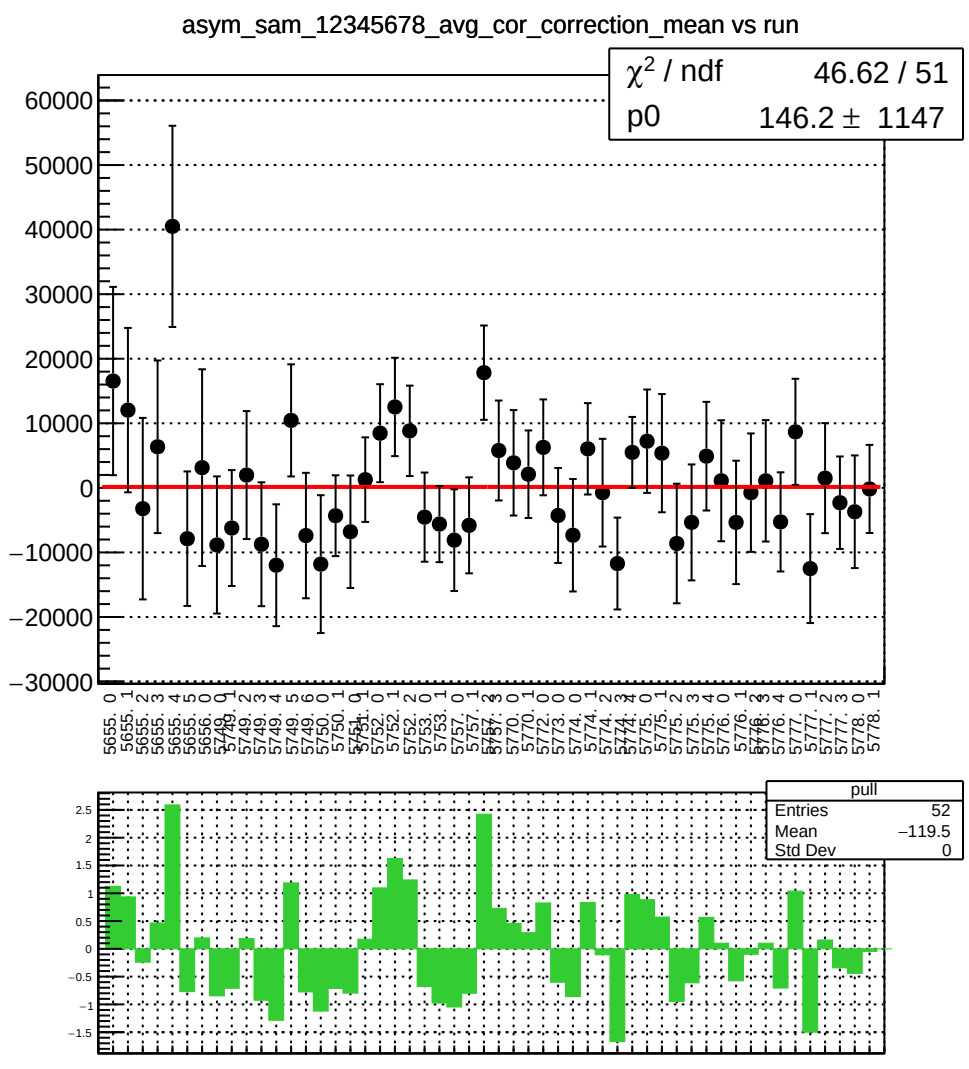
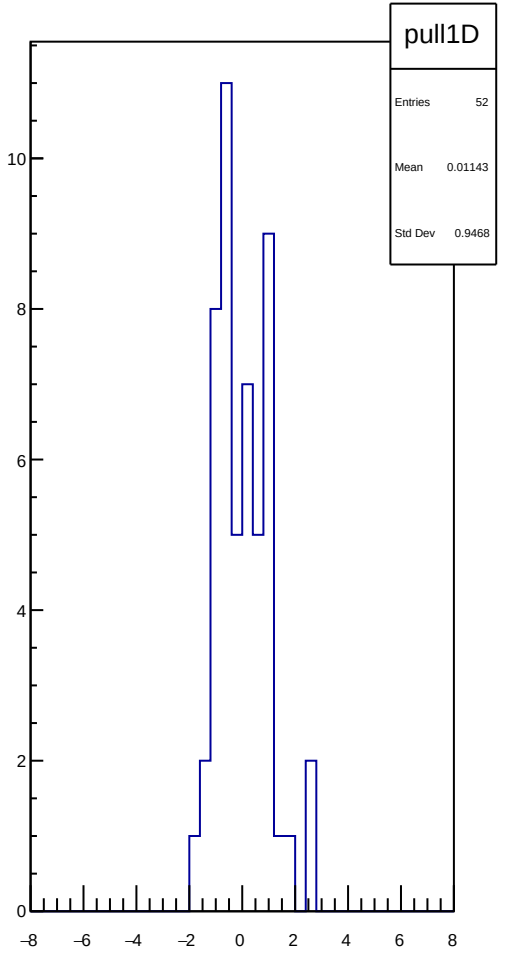
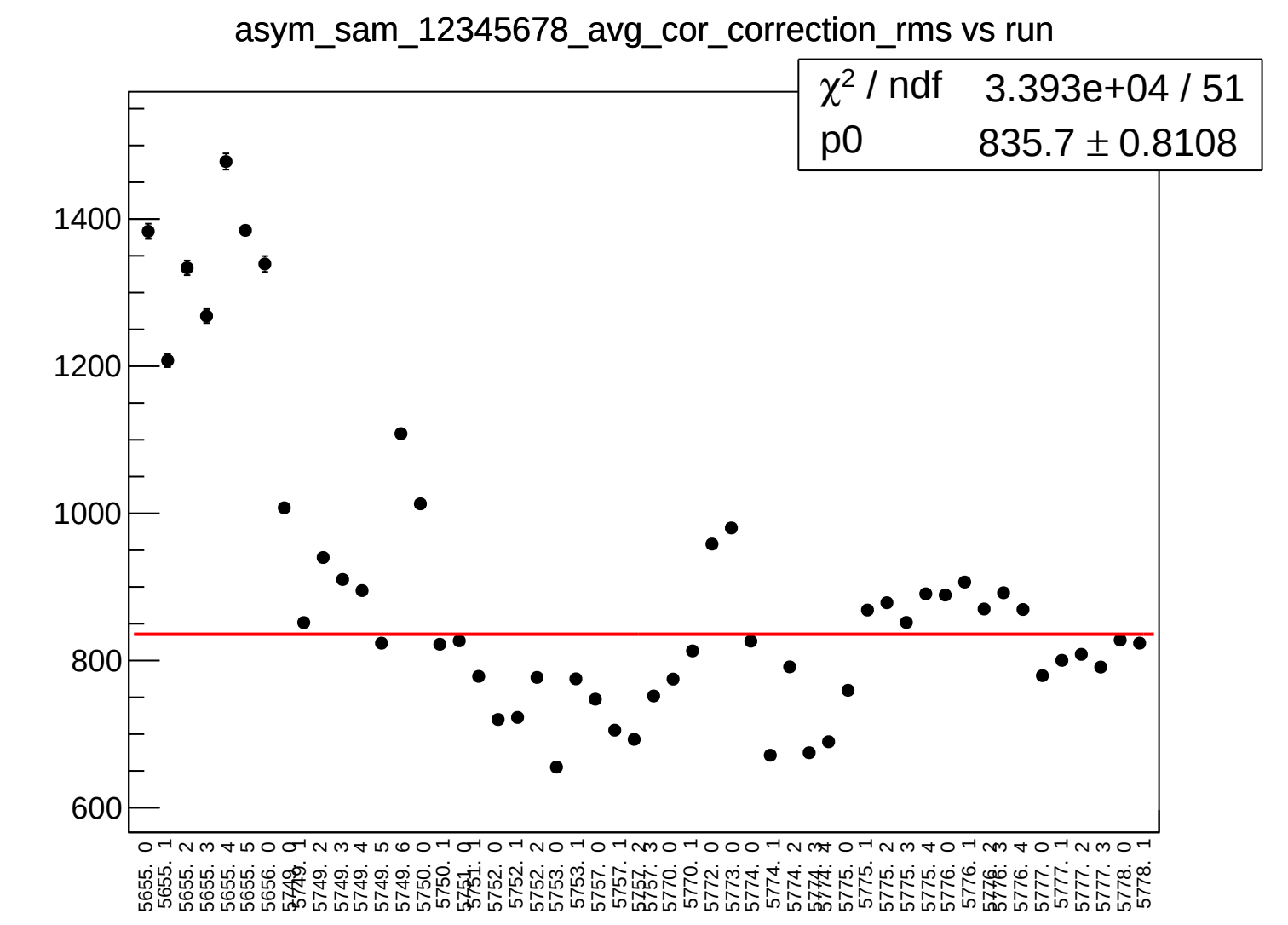
5778. 0
5778. 1


asym_sam_12345678_avg_cor_correction_mean vs run
χ² / ndf 46.62 / 51
p0 146.2 ± 1147
pull
Entries 52
Mean −119.5
Std Dev 0


pull1D
Entries 52
Mean 0.01143
Std Dev 0.9468


asym_sam_12345678_avg_cor_correction_rms vs run
χ² / ndf 3.393e+04 / 51
p0 835.7 ± 0.8108
1400
1200
1000
800
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
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5749. 6
5750. 0
5750. 1
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5774. 1
5774. 2
5774. 3
5774. 4
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5775. 2
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5775. 4
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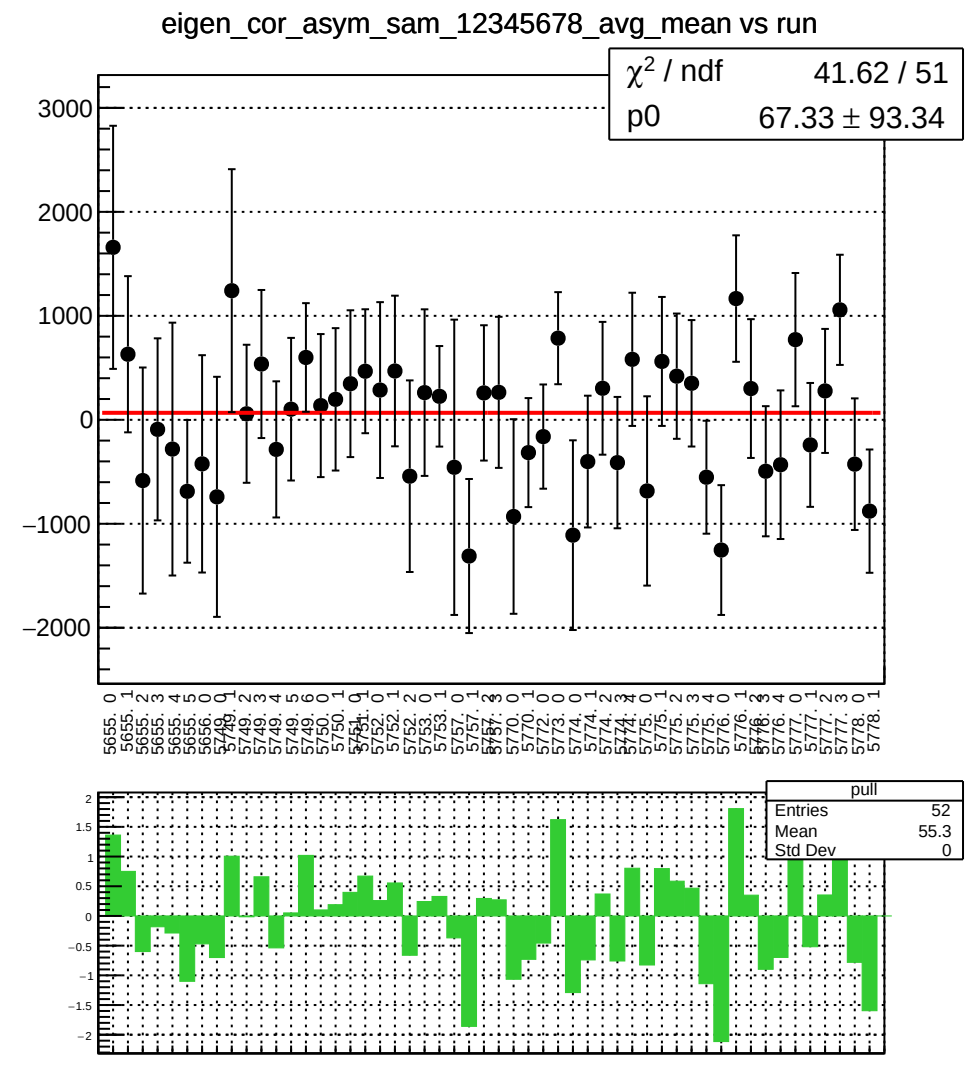
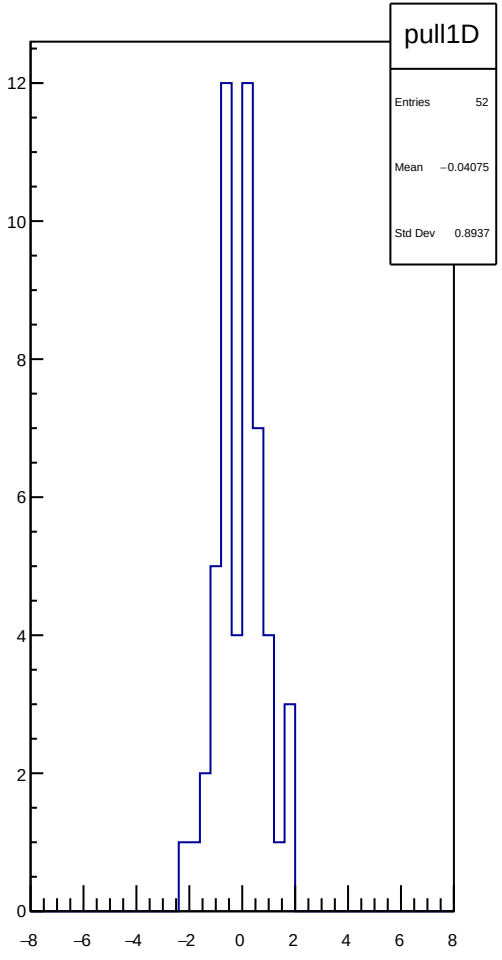
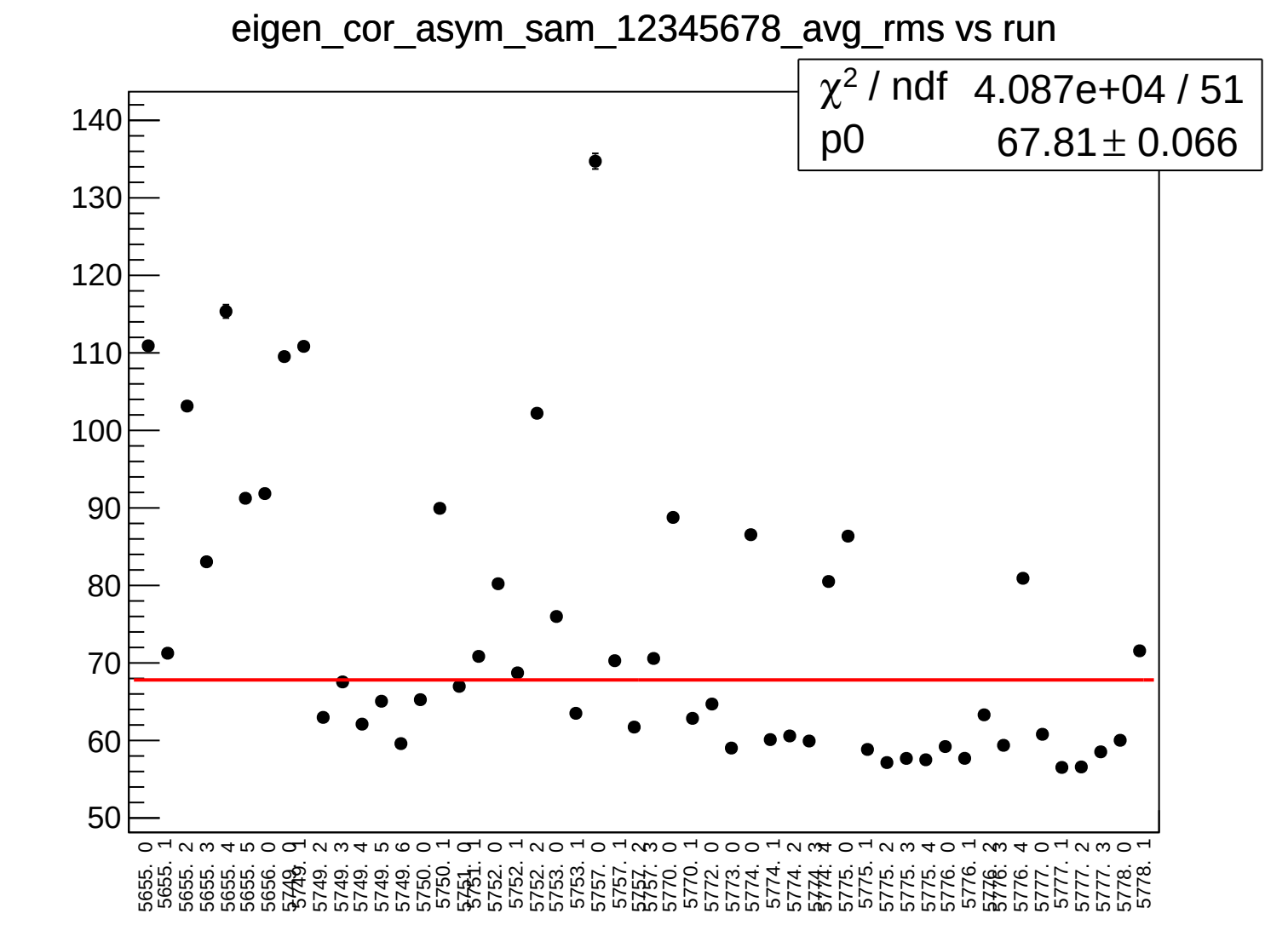

eigen_cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 41.62 / 51
p0 67.33 ± 93.34
pull
Entries 52
Mean 55.3
Std Dev 0


pull1D
Entries 52
Mean −0.04075
Std Dev 0.8937


eigen_cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 4.087e+04 / 51
p0 67.81 ± 0.066
140
130
120
110
100
90
80
70
60
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
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5749. 5
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5750. 0
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5751. 1
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5752. 2
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5753. 1
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5770. 0
5770. 1
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5775. 1
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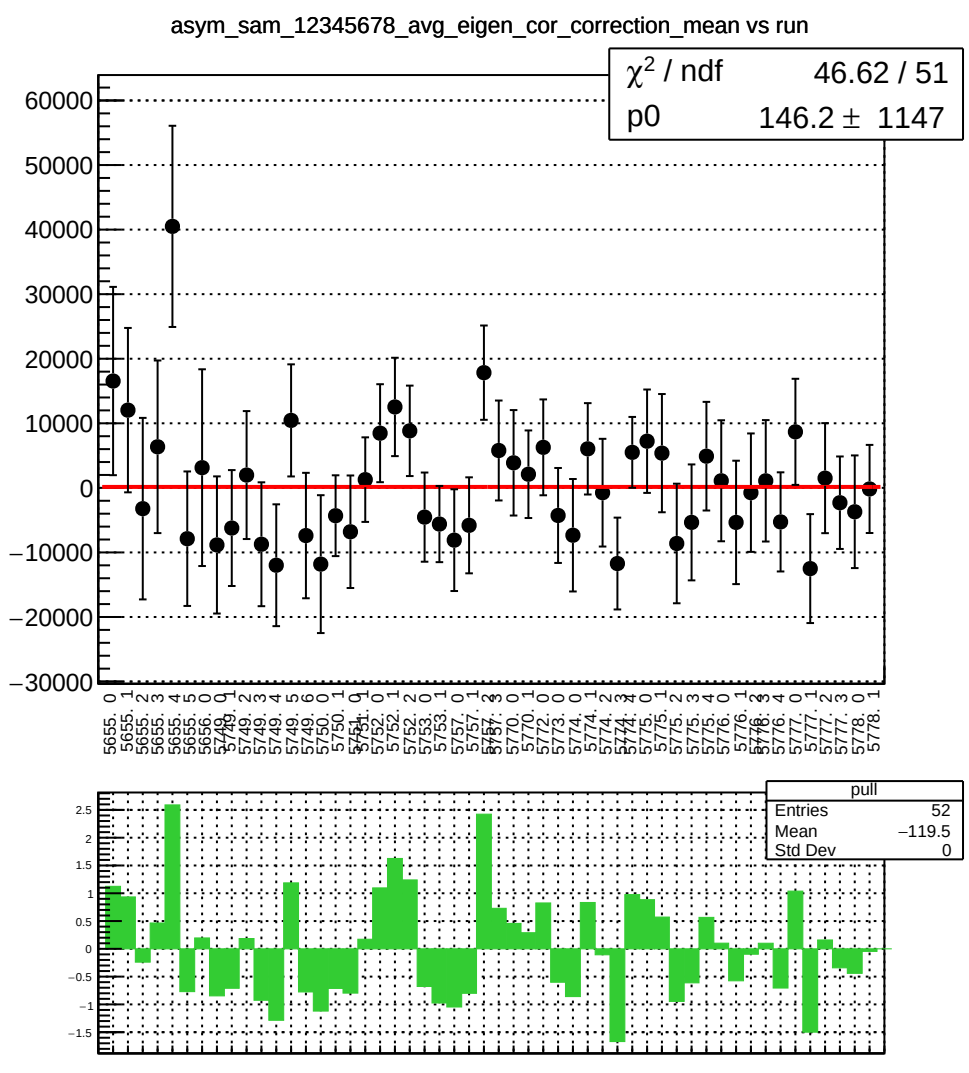
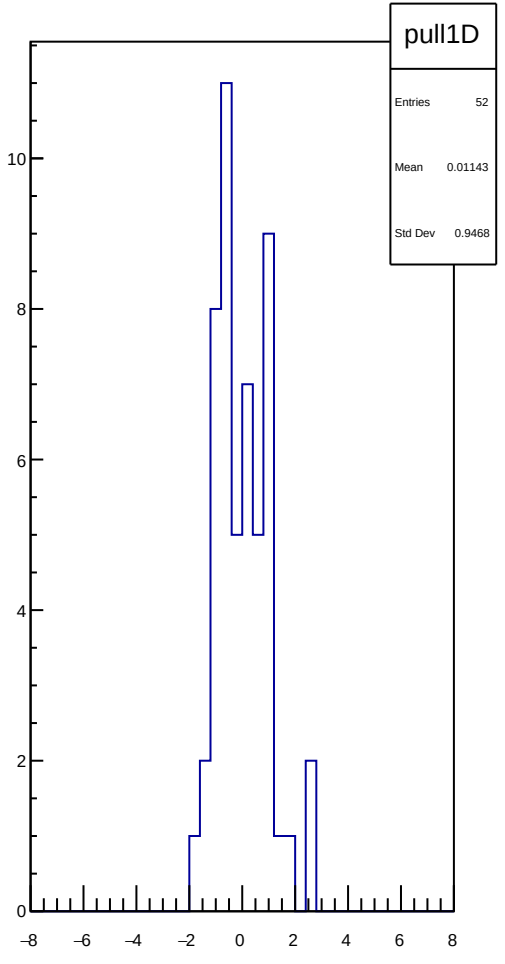
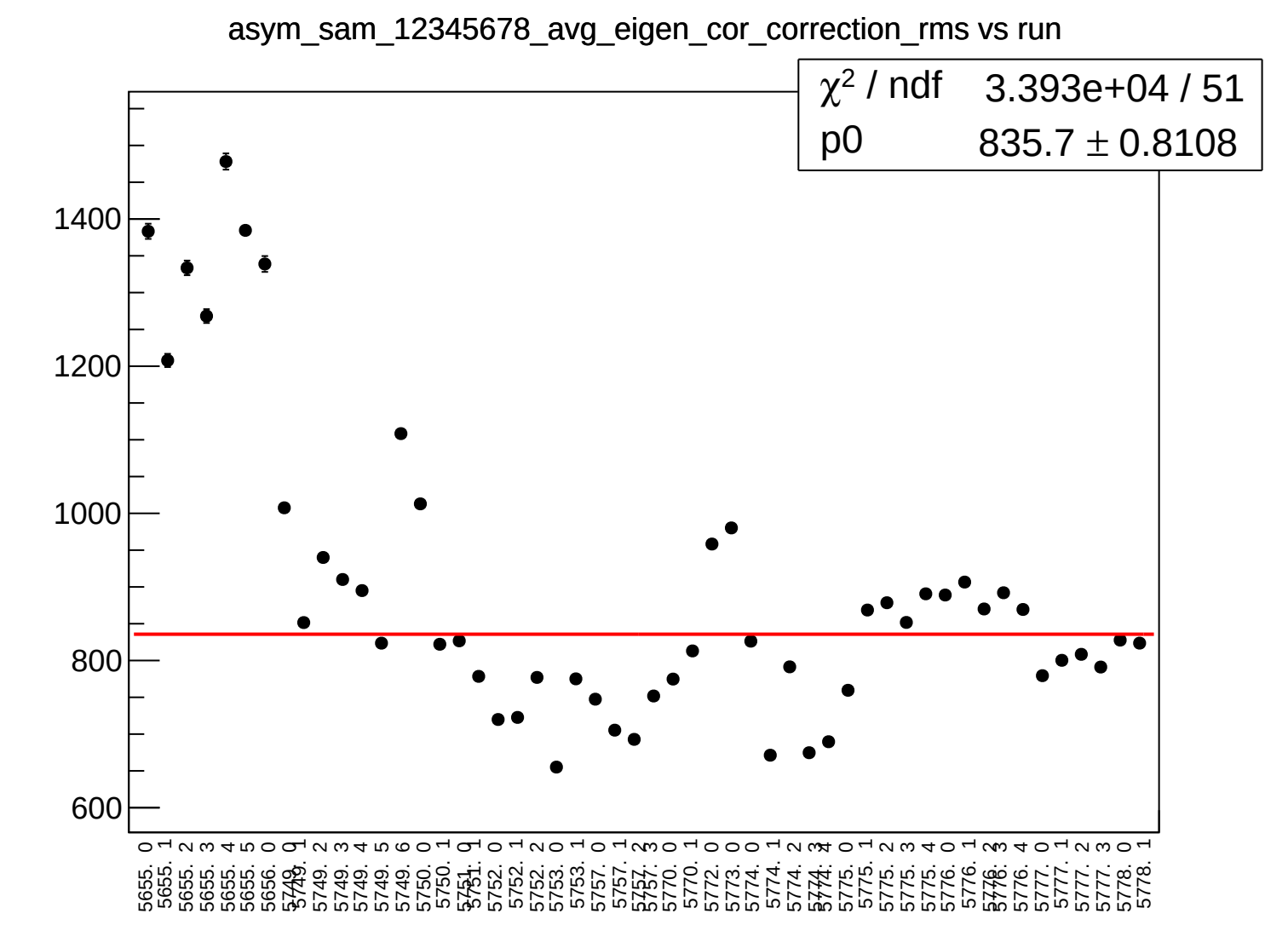
5777. 3
5778. 0
5778. 1


asym_sam_12345678_avg_eigen_cor_correction_mean vs run
χ² / ndf 46.62 / 51
p0 146.2 ± 1147
pull
Entries 52
Mean −119.5
Std Dev 0


pull1D
Entries 52
Mean 0.01143
Std Dev 0.9468


asym_sam_12345678_avg_eigen_cor_correction_rms vs run
χ² / ndf 3.393e+04 / 51
p0 835.7 ± 0.8108
1400
1200
1000
800
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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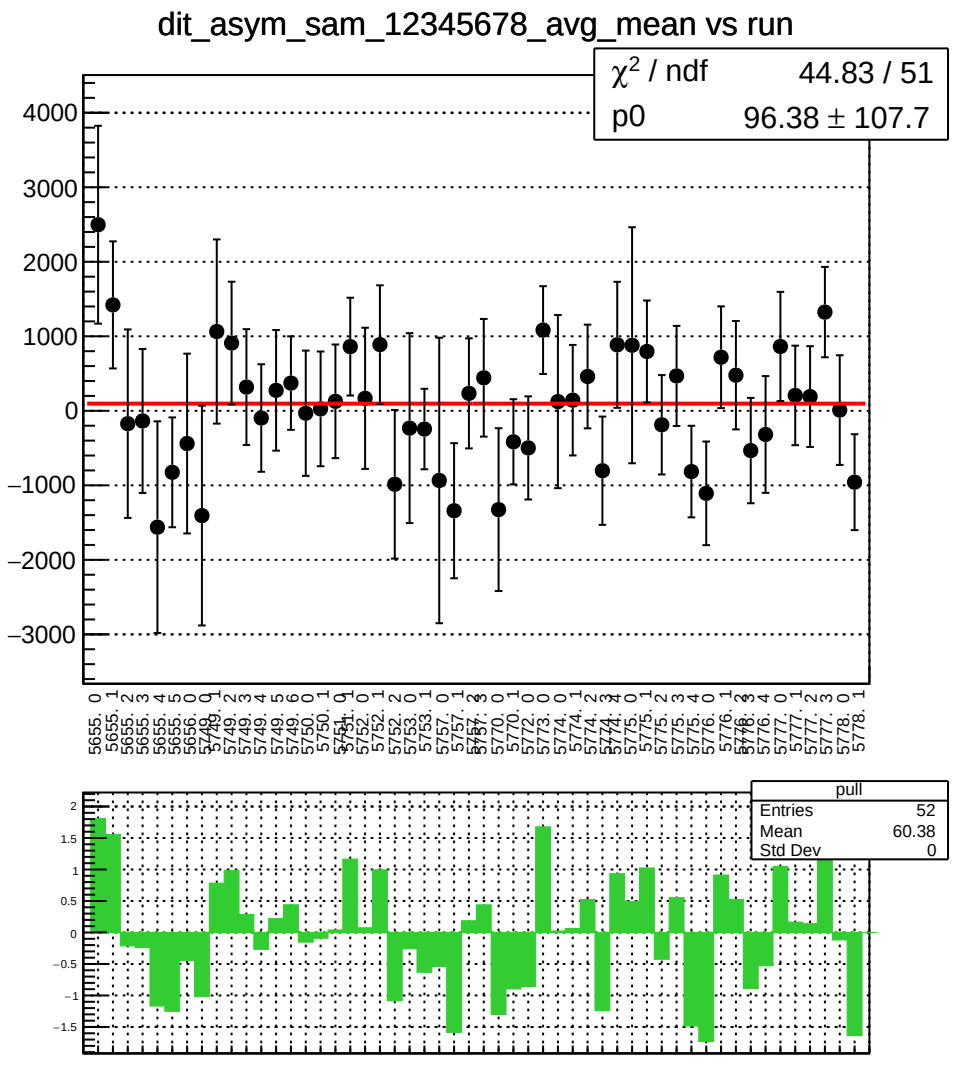
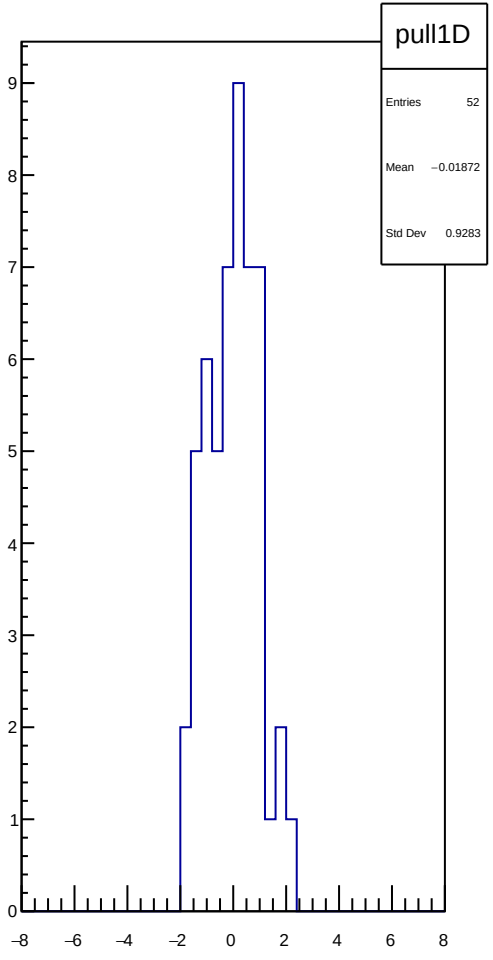
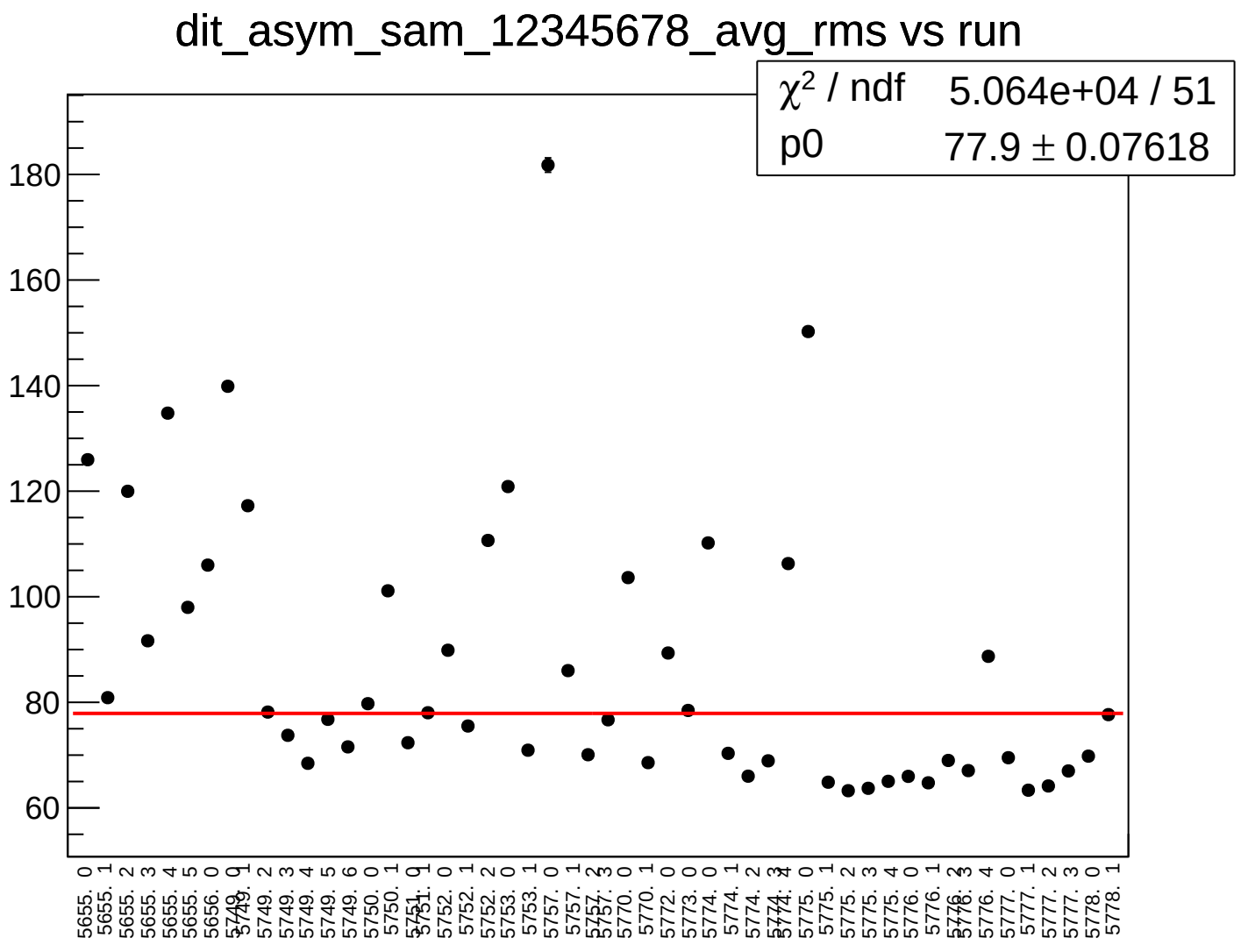
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 44.83 / 51
p0 96.38 ± 107.7
pull
Entries 52
Mean 60.38
Std Dev 0


pull1D
Entries 52
Mean −0.01872
Std Dev 0.9283


dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 5.064e+04 / 51
p0 77.9 ± 0.07618
180
160
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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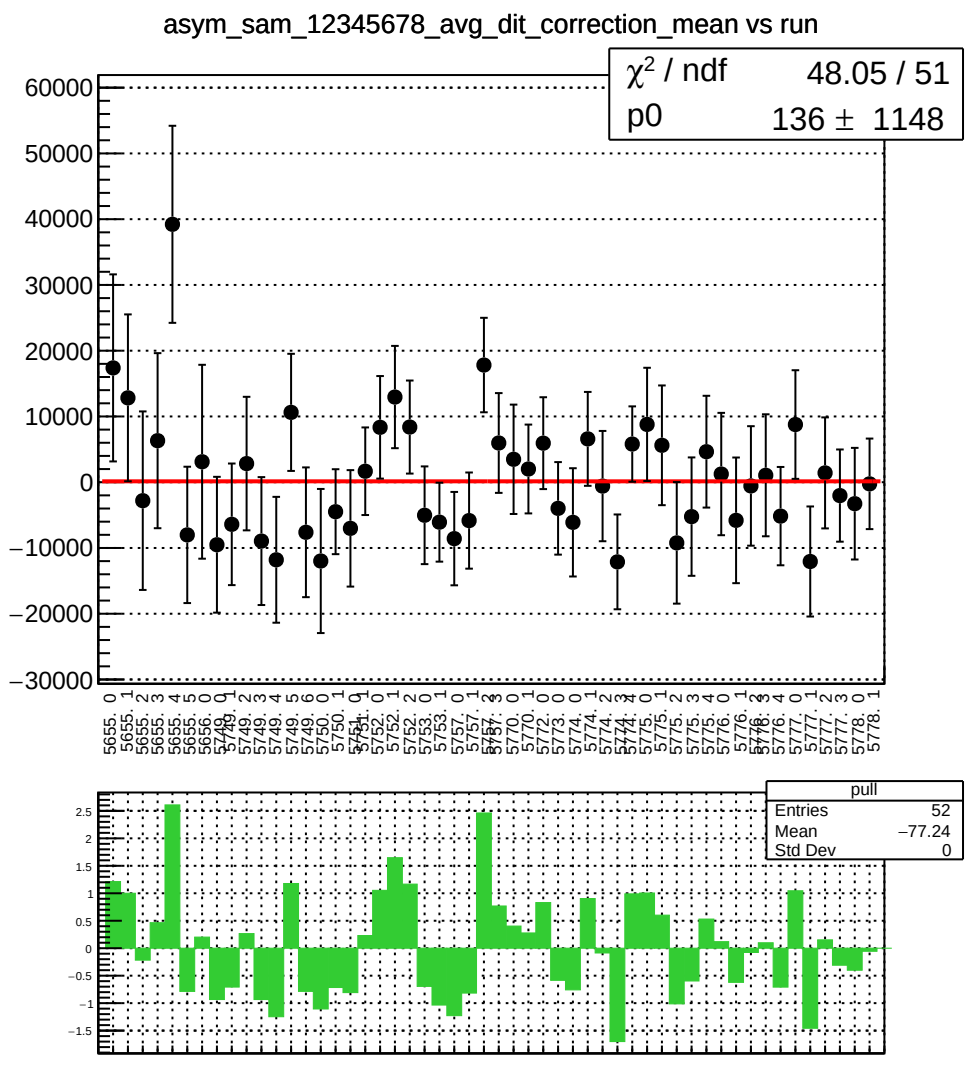
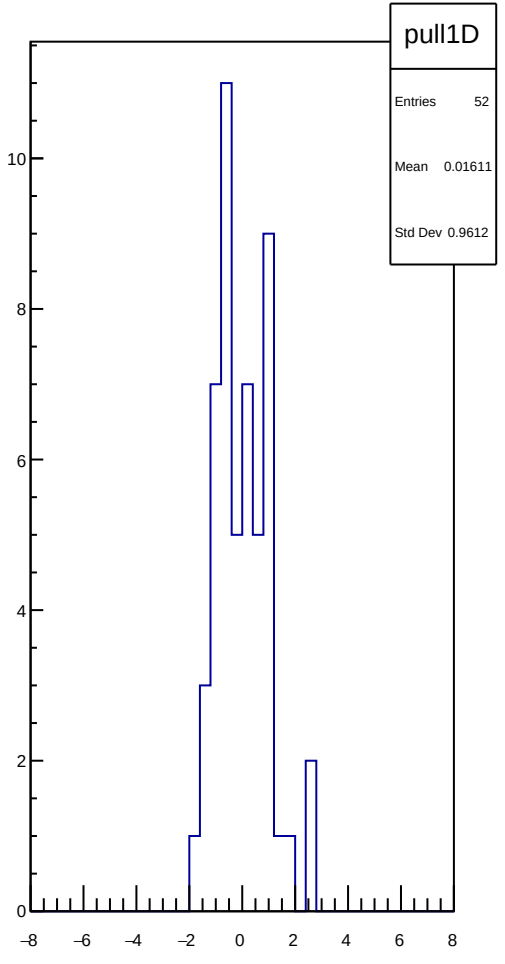
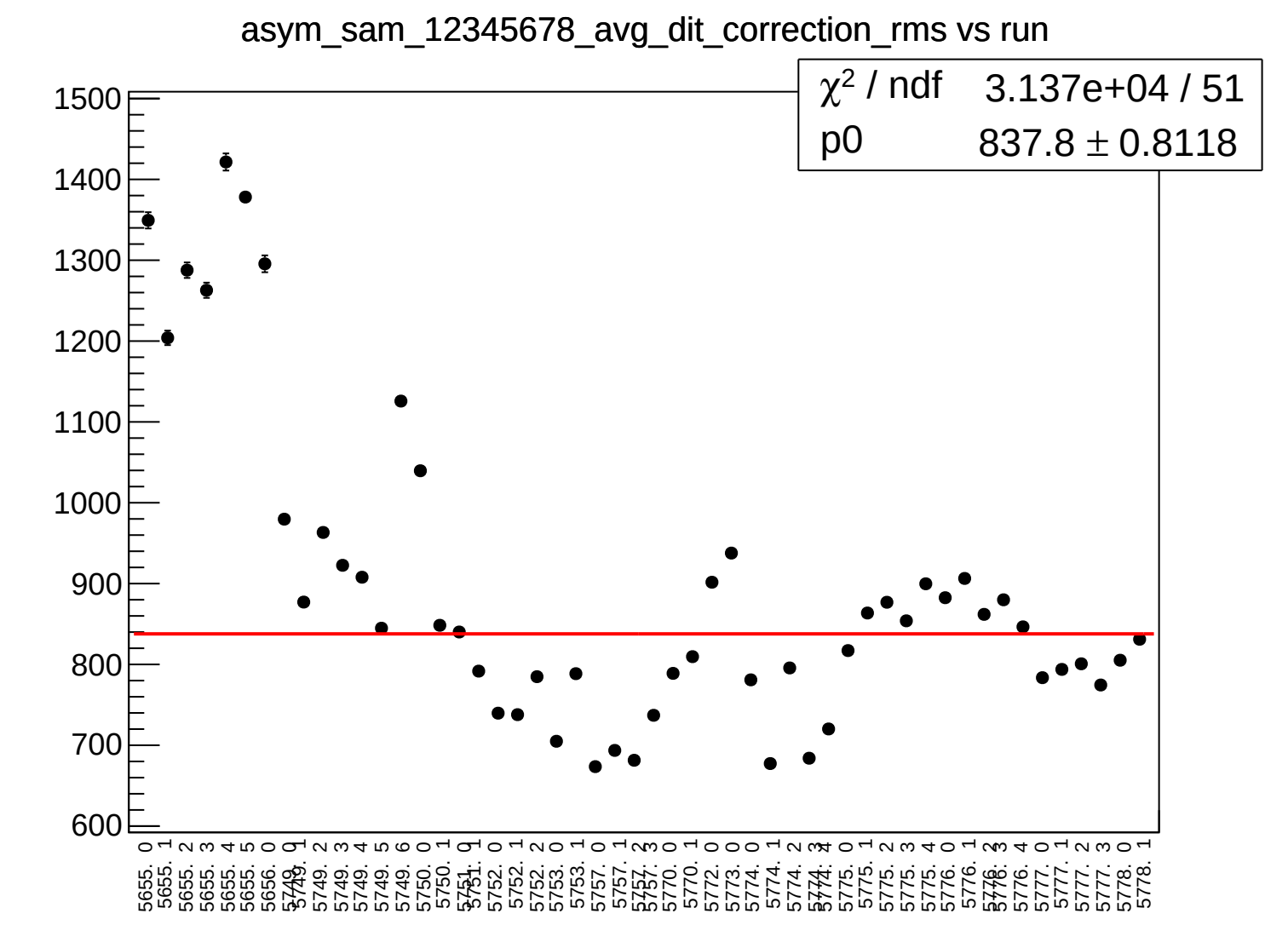
5777. 2
5777. 3
5778. 0
5778. 1


asym_sam_12345678_avg_dit_correction_mean vs run
χ² / ndf 48.05 / 51
p0 136 ± 1148
pull
Entries 52
Mean −77.24
Std Dev 0


pull1D
Entries 52
Mean 0.01611
Std Dev 0.9612


asym_sam_12345678_avg_dit_correction_rms vs run
χ² / ndf 3.137e+04 / 51
p0 837.8 ± 0.8118
1500
1400
1300
1200
1100
1000
900
800
700
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
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5750. 1
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5751. 1
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5752. 1
5752. 2
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5776. 0
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5776. 3
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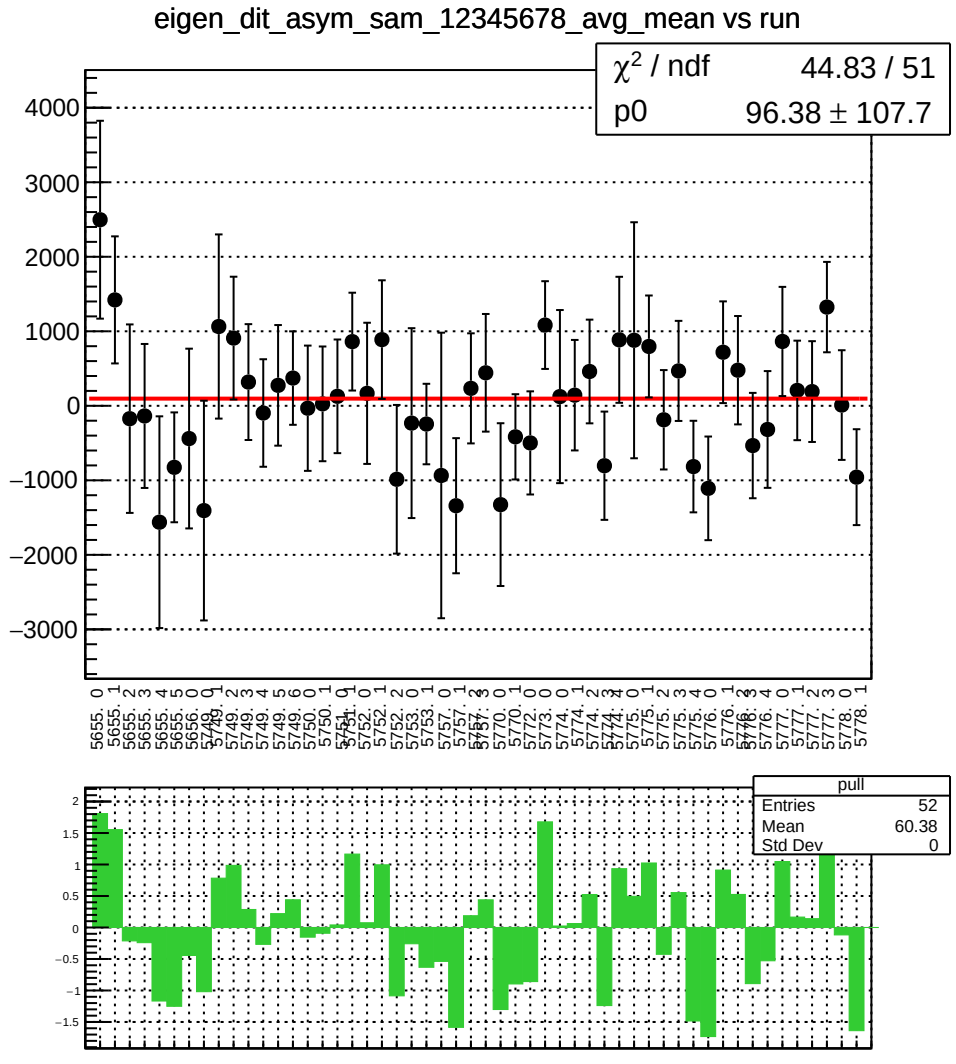
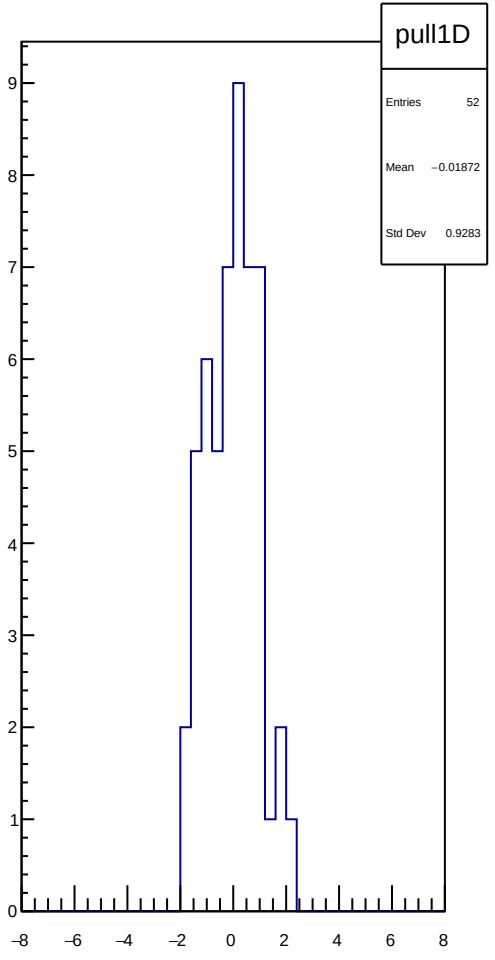
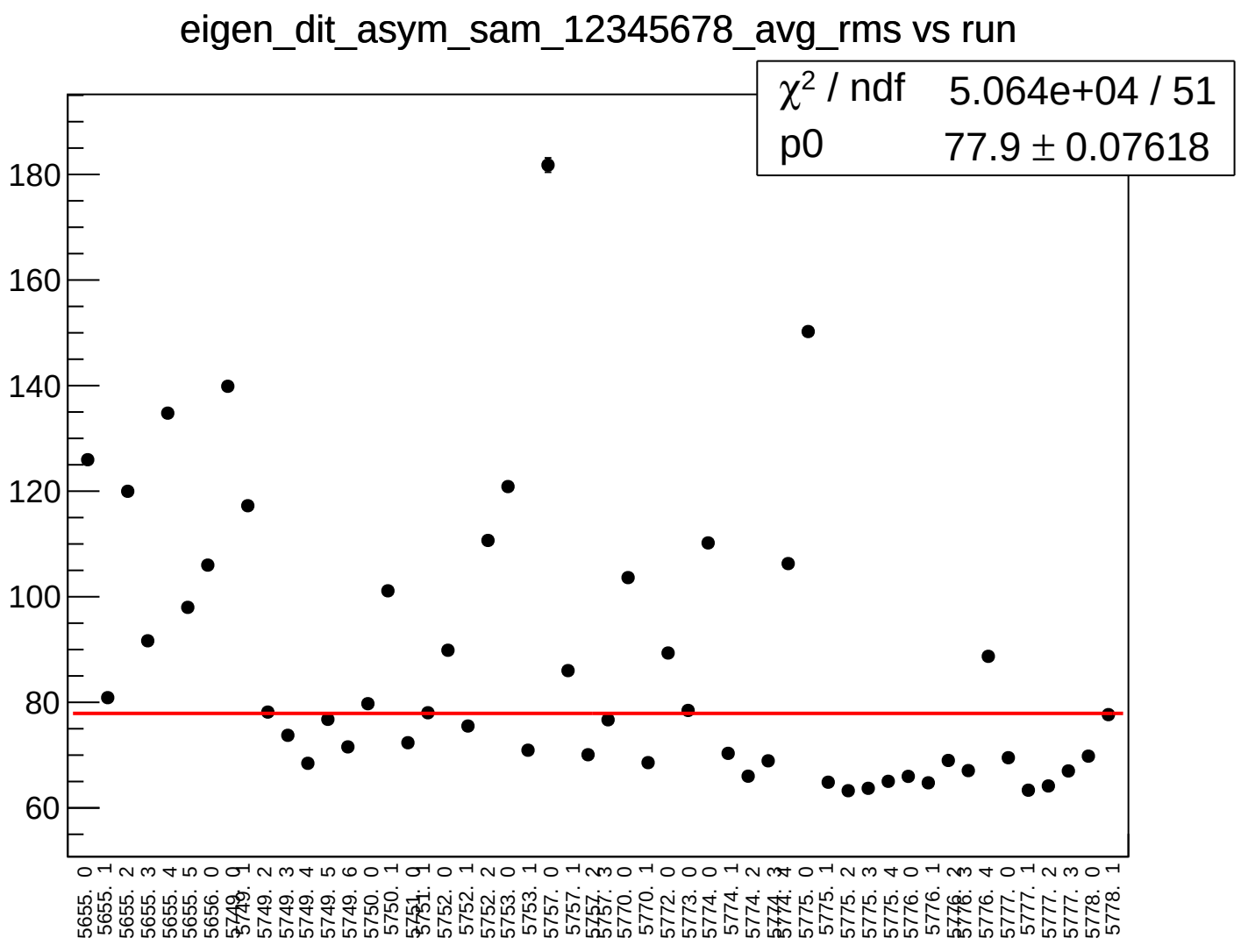
5777. 2
5777. 3
5778. 0
5778. 1


eigen_dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 44.83 / 51
p0 96.38 ± 107.7
pull
Entries 52
Mean 60.38
Std Dev 0


pull1D
Entries 52
Mean −0.01872
Std Dev 0.9283


eigen_dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 5.064e+04 / 51
p0 77.9 ± 0.07618
180
160
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
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5749. 6
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5750. 1
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5752. 2
5753. 0
5753. 1
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5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
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5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
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5775. 4
5776. 0
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5777. 1
5777. 2
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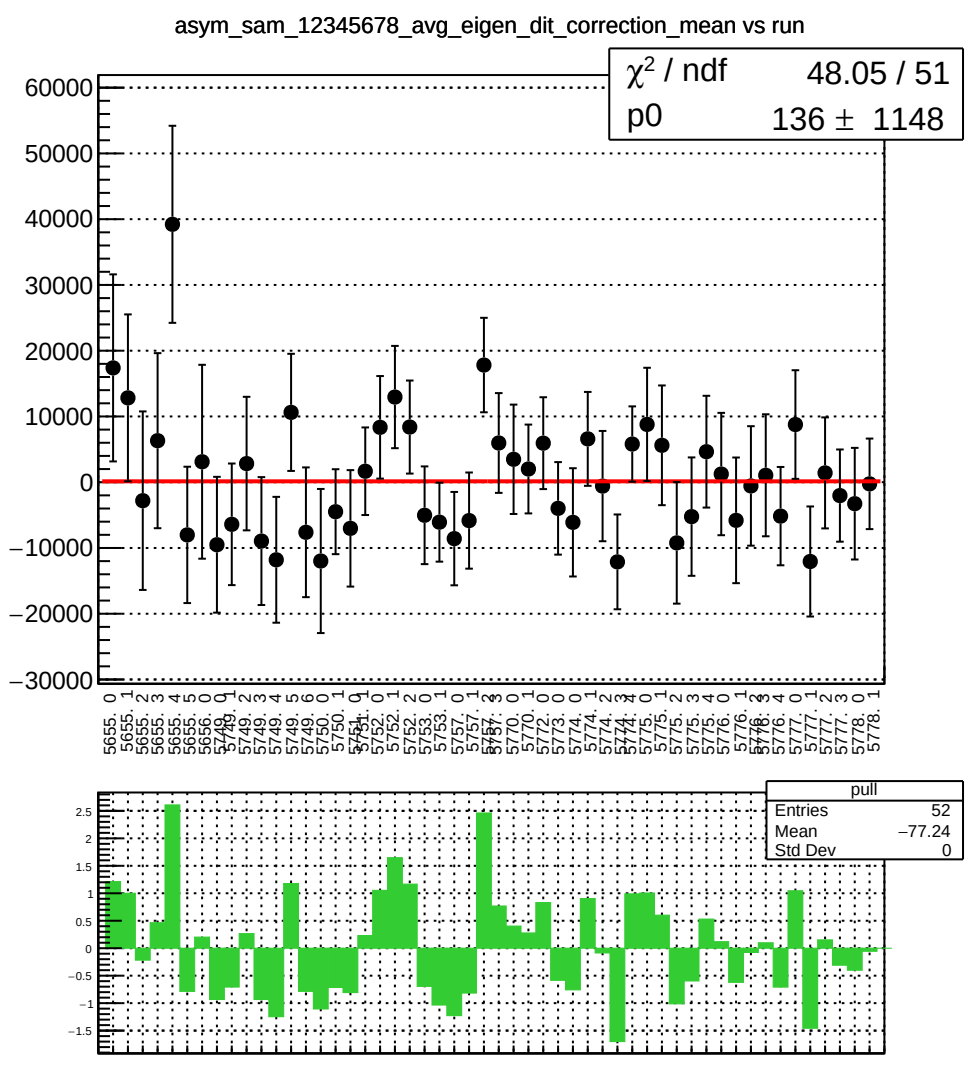
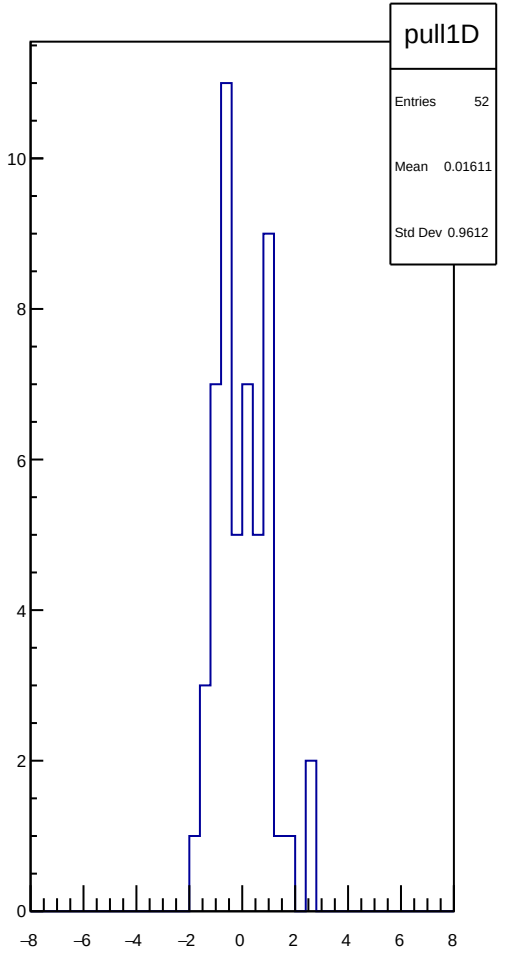
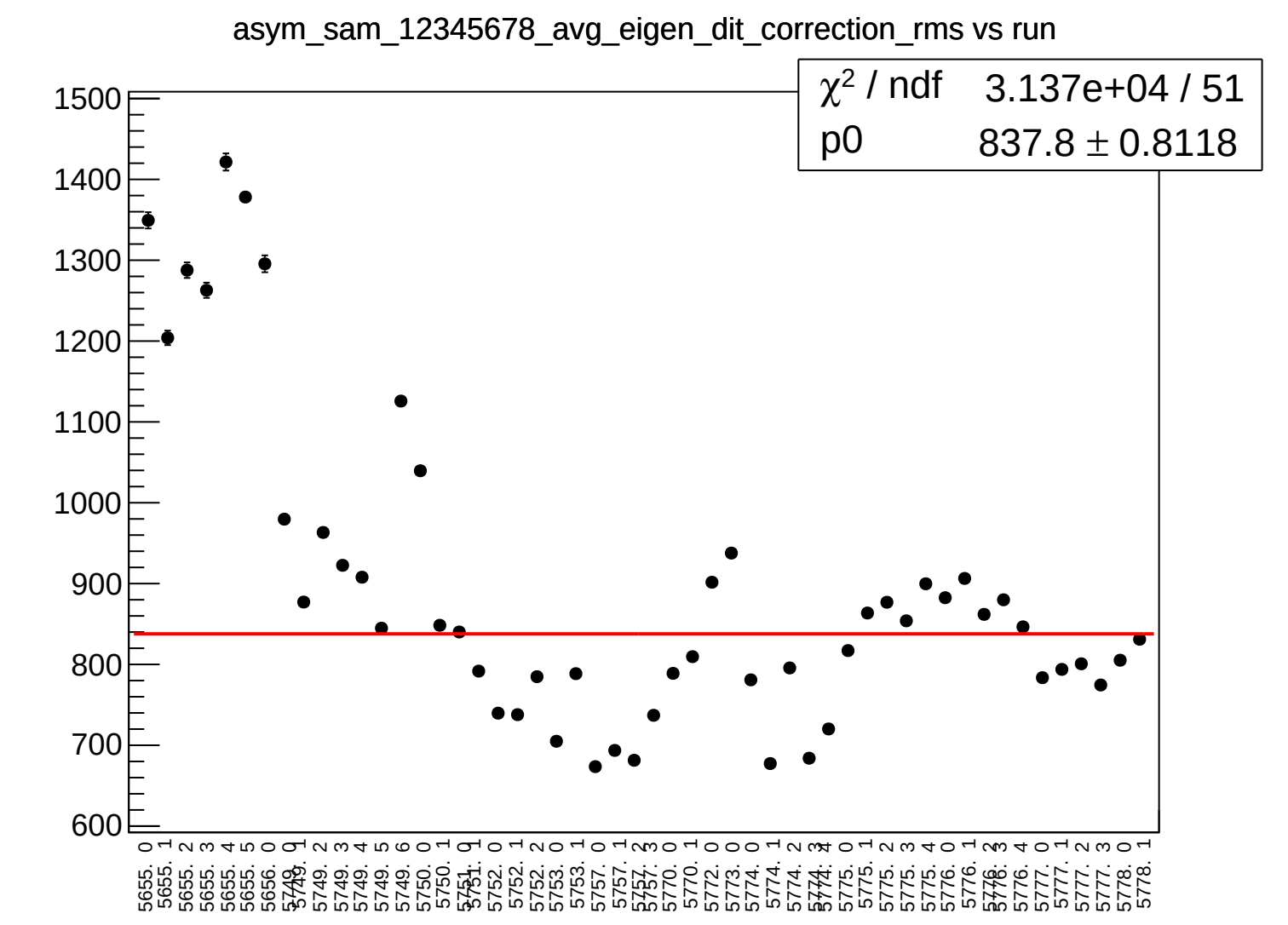
5778. 0
5778. 1


asym_sam_12345678_avg_eigen_dit_correction_mean vs run
χ² / ndf 48.05 / 51
p0 136 ± 1148
pull
Entries 52
Mean −77.24
Std Dev 0


pull1D
Entries 52
Mean 0.01611
Std Dev 0.9612


asym_sam_12345678_avg_eigen_dit_correction_rms vs run
χ² / ndf 3.137e+04 / 51
p0 837.8 ± 0.8118
1500
1400
1300
1200
1100
1000
900
800
700
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
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5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
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5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5777. 2
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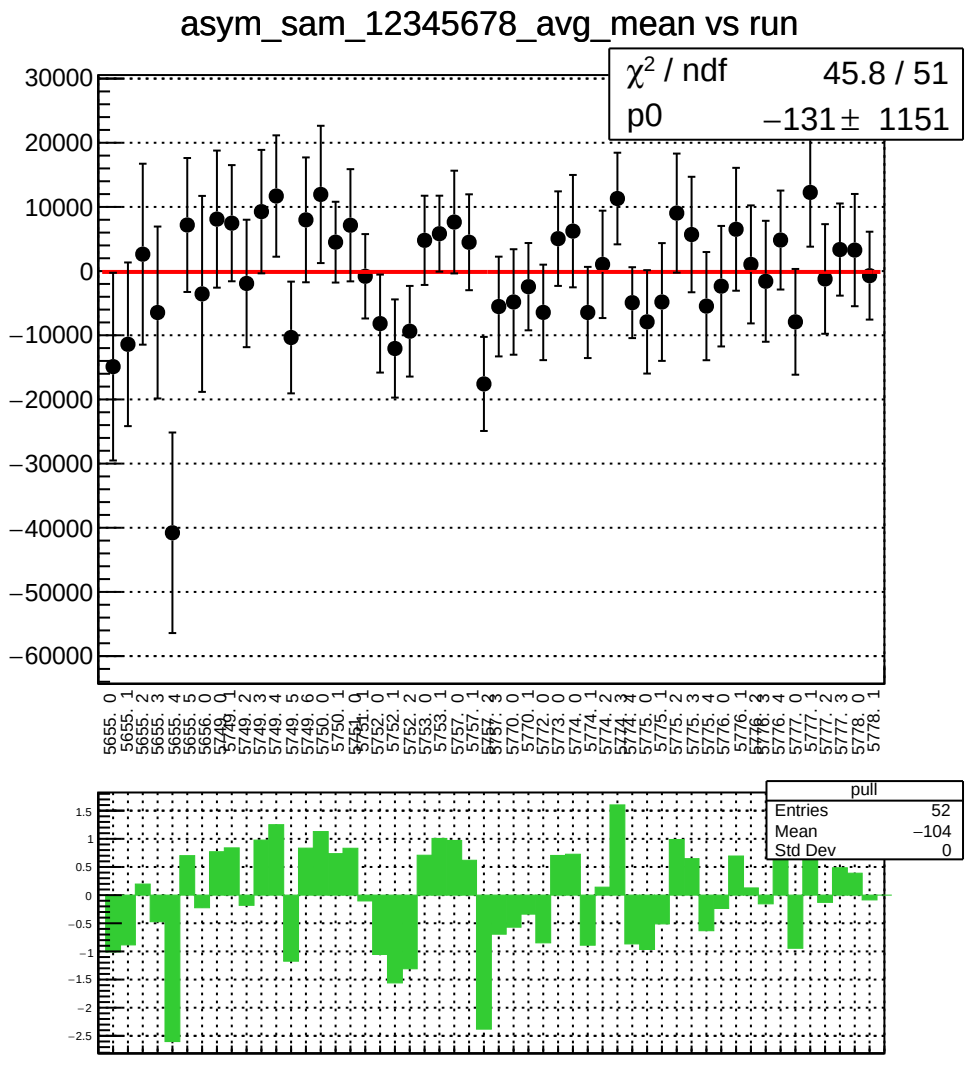
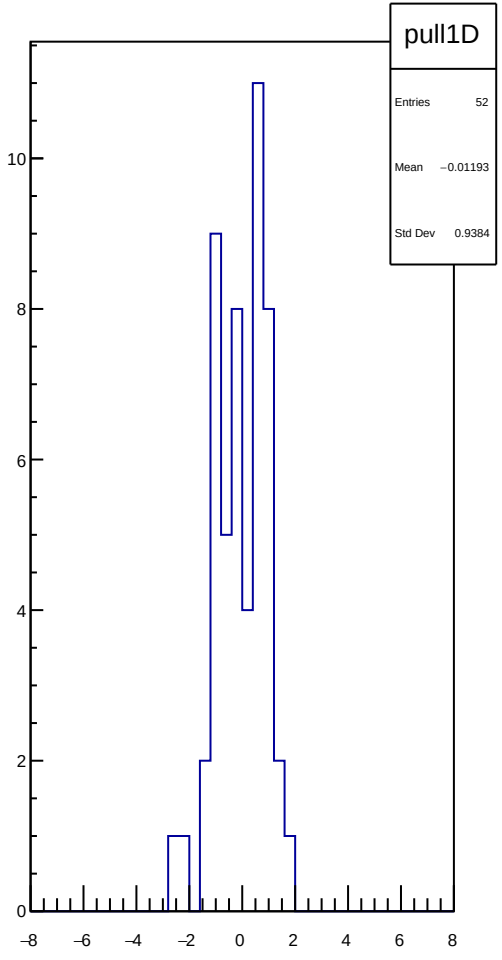
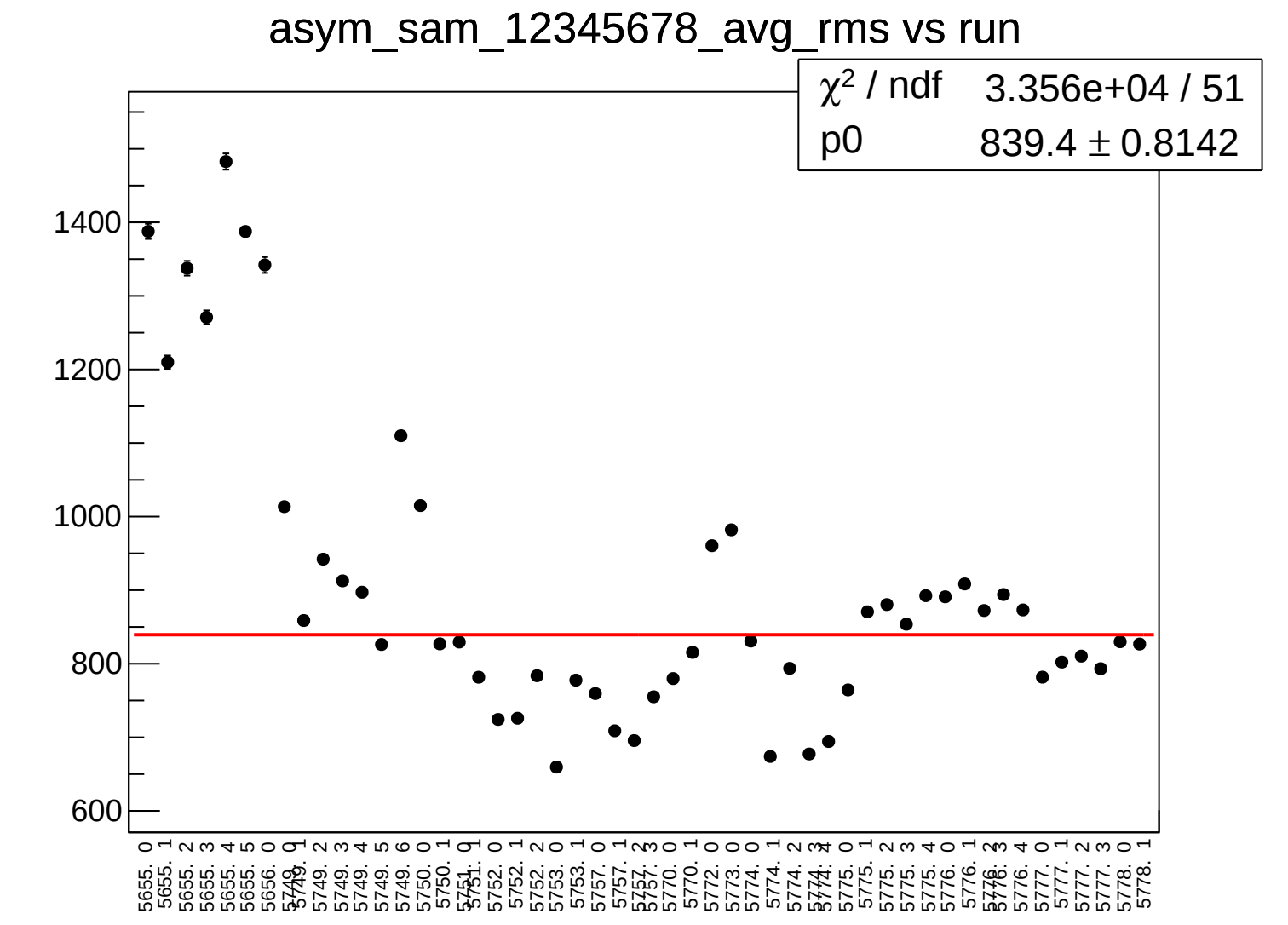
5778. 1


asym_sam_12345678_avg_mean vs run
χ² / ndf 45.8 / 51
p0 −131 ± 1151
pull
Entries 52
Mean −104
Std Dev 0


pull1D
Entries 52
Mean −0.01193
Std Dev 0.9384


asym_sam_12345678_avg_rms vs run
χ² / ndf 3.356e+04 / 51
p0 839.4 ± 0.8142
1400
1200
1000
800
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
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5749. 6
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5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
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5773. 0
5774. 0
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5774. 2
5774. 3
5774. 4
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5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
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5777. 2
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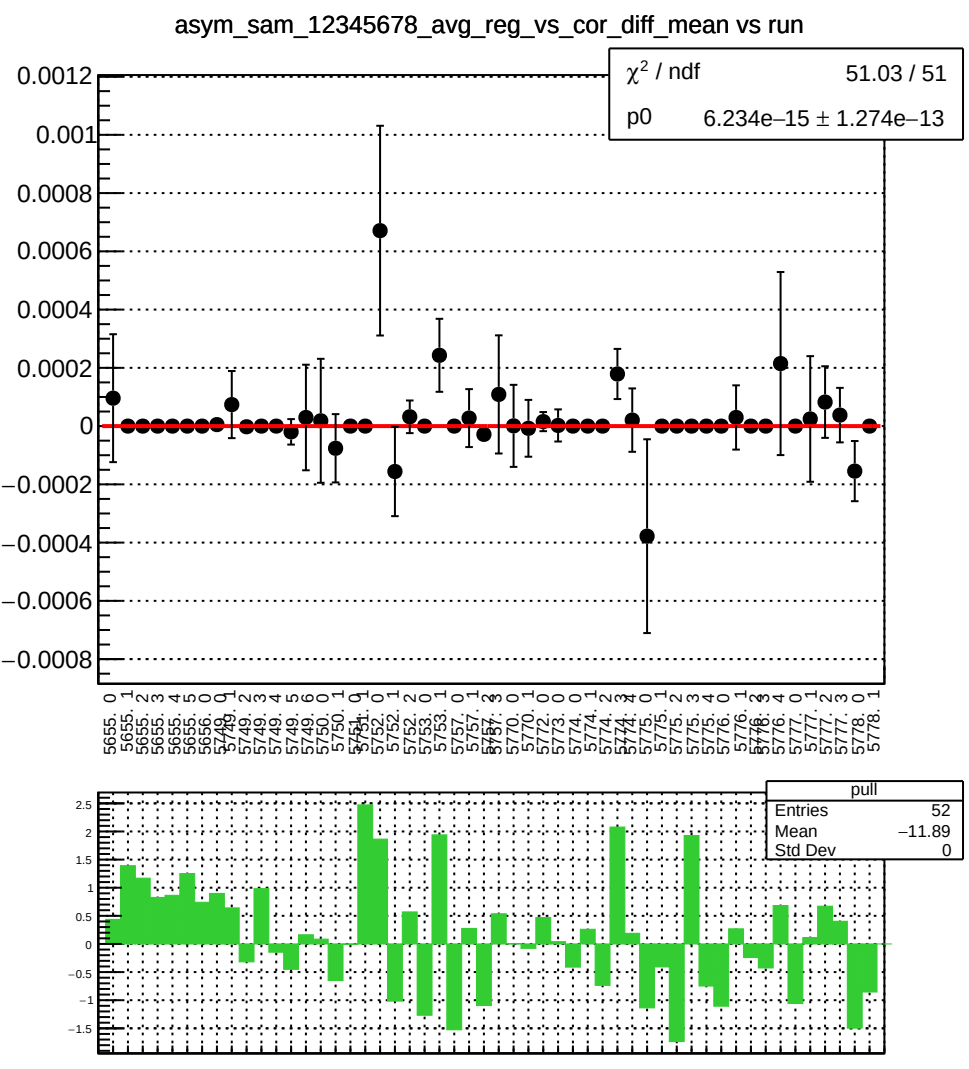
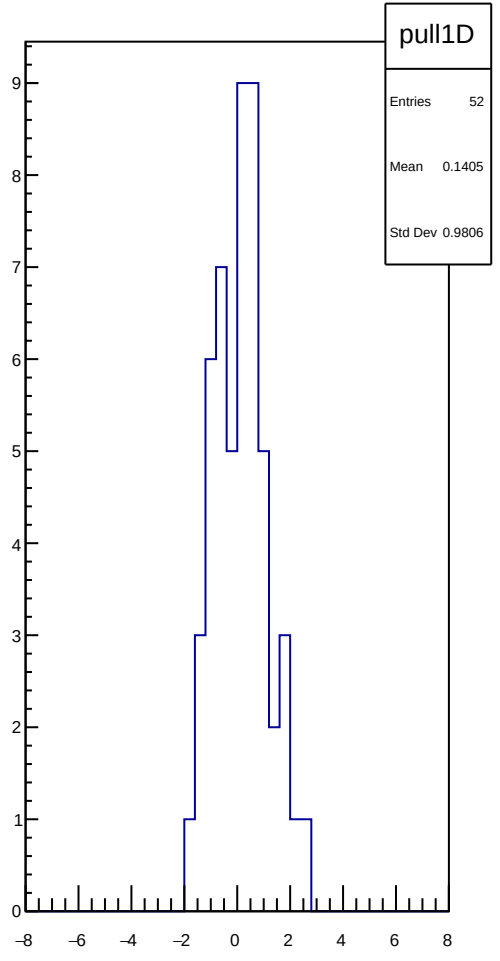
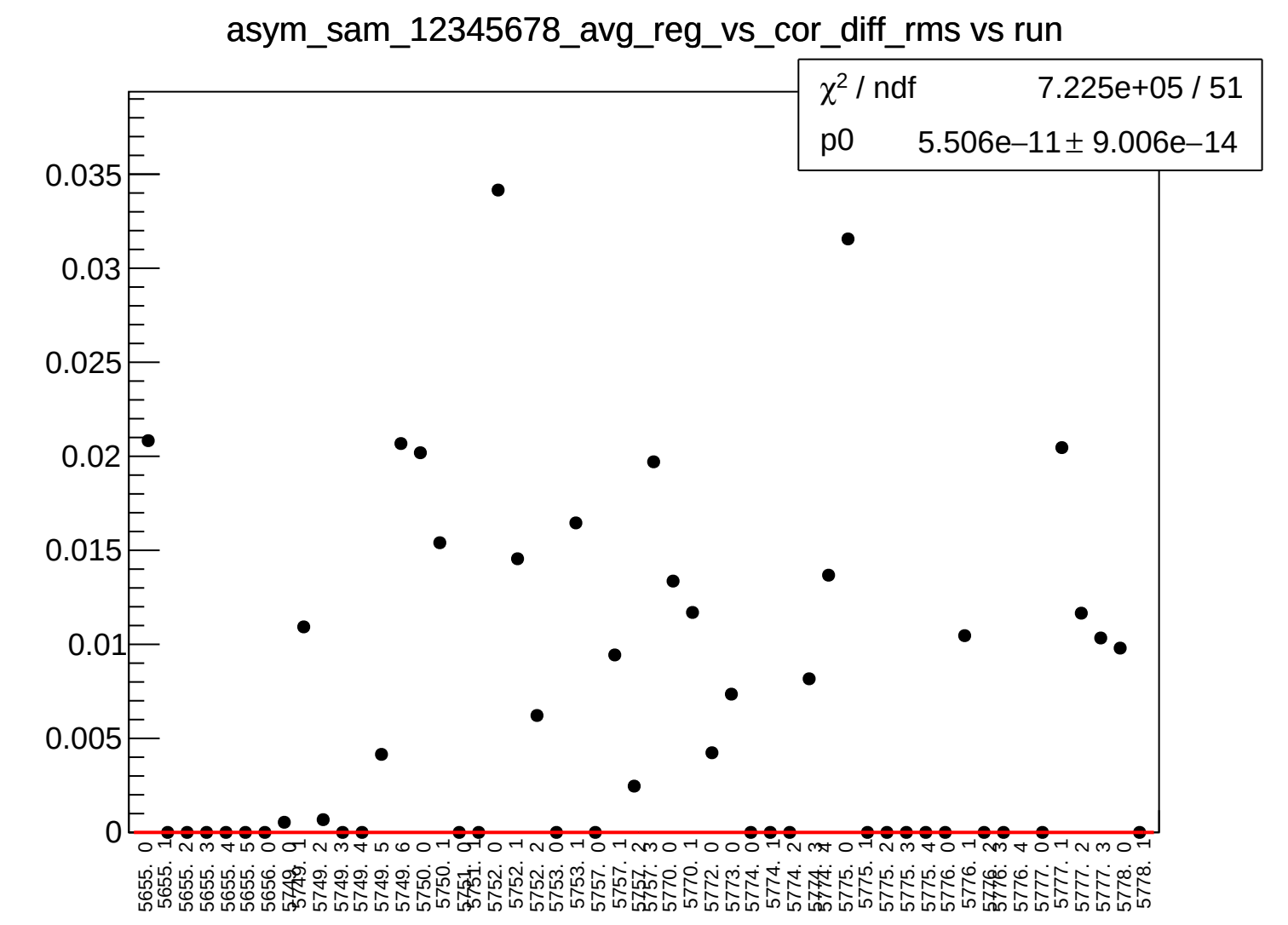

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 51.03 / 51
p0 6.234e−15 ± 1.274e−13
pull
Entries 52
Mean −11.89
Std Dev 0


pull1D
Entries 52
Mean 0.1405
Std Dev 0.9806


asym_sam_12345678_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.225e+05 / 51
p0 5.506e−11 ± 9.006e−14
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
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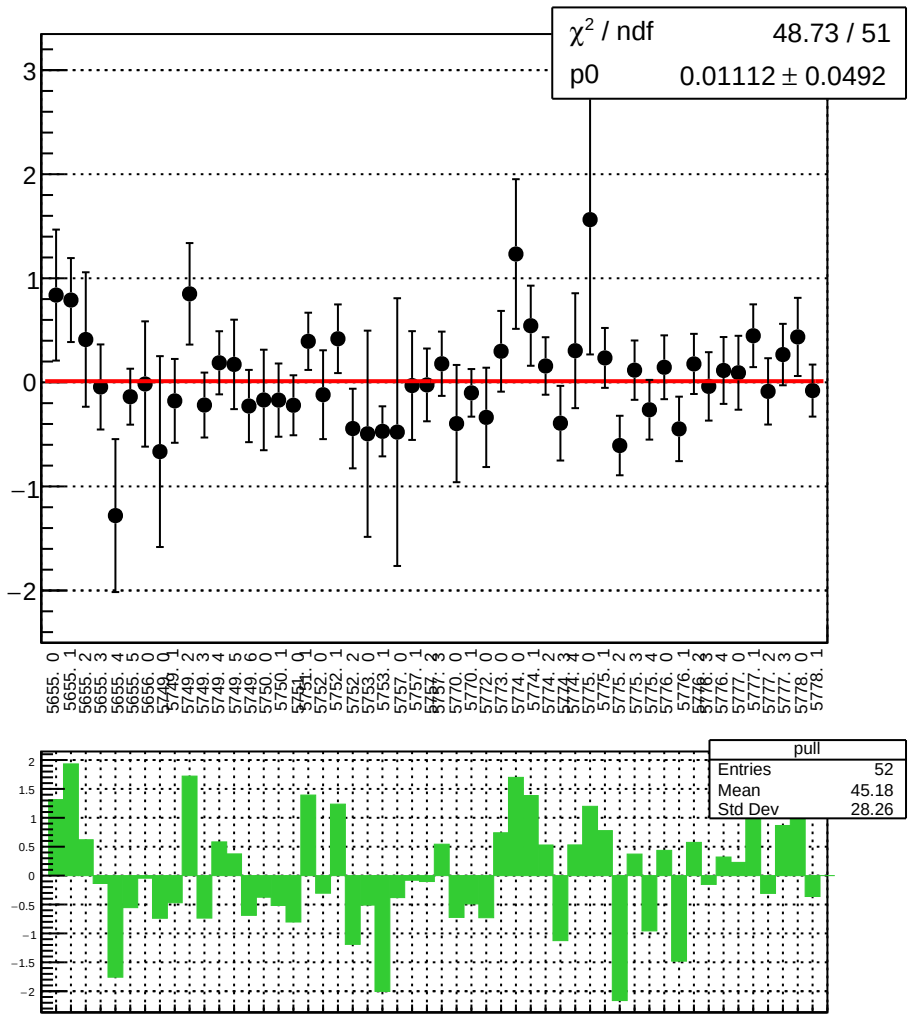
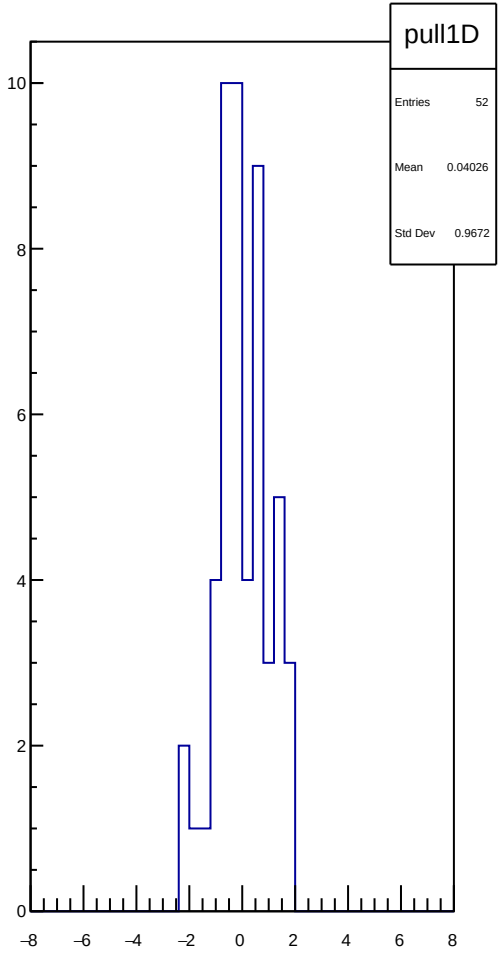
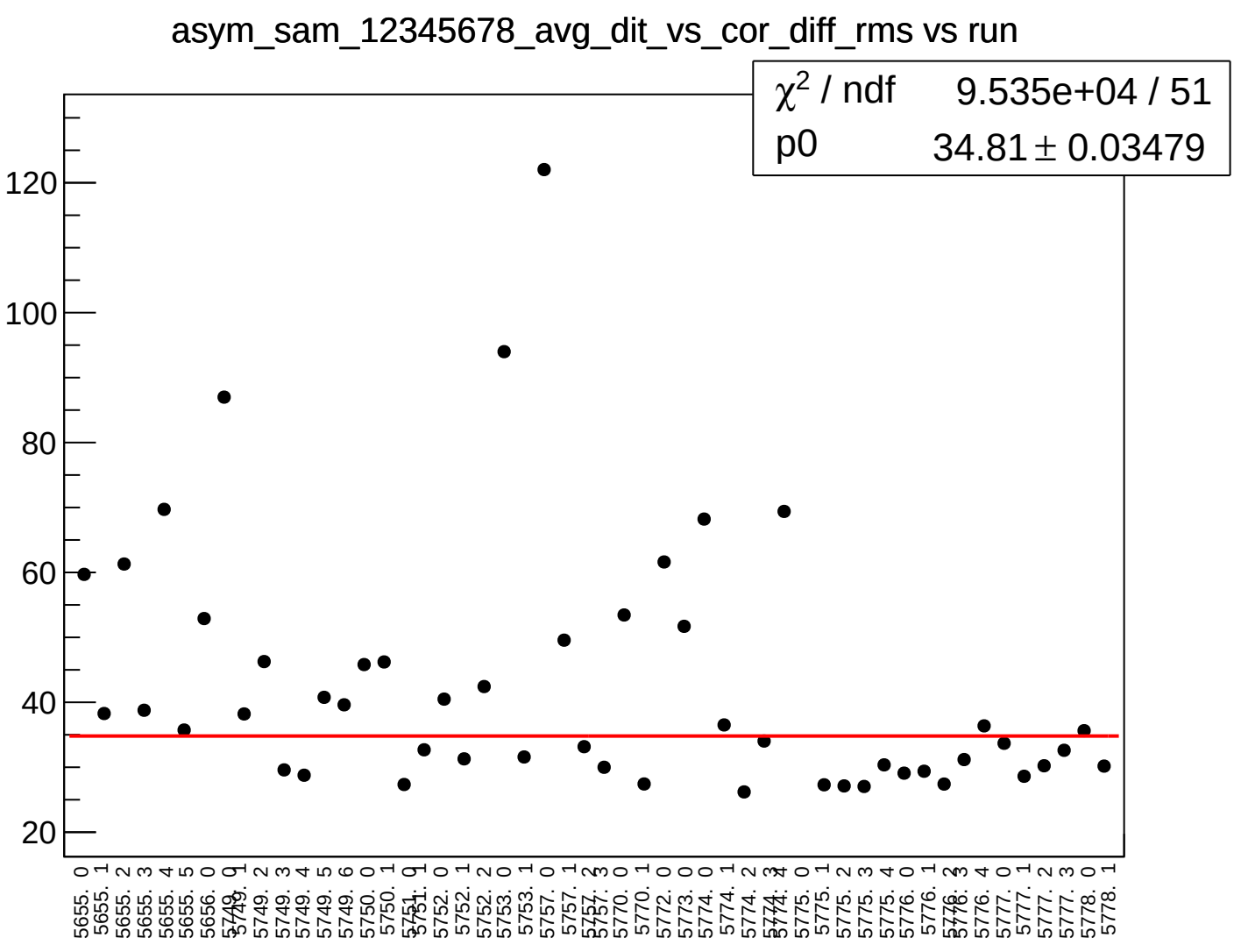

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 48.73 / 51
p0 0.01112 ± 0.0492
pull
Entries 52
Mean 45.18
Std Dev 28.26


pull1D
Entries 52
Mean 0.04026
Std Dev 0.9672


asym_sam_12345678_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 9.535e+04 / 51
p0 34.81 ± 0.03479
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
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5751. 0
5752. 0
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5772. 0
5773. 0
5774. 0
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5777. 2
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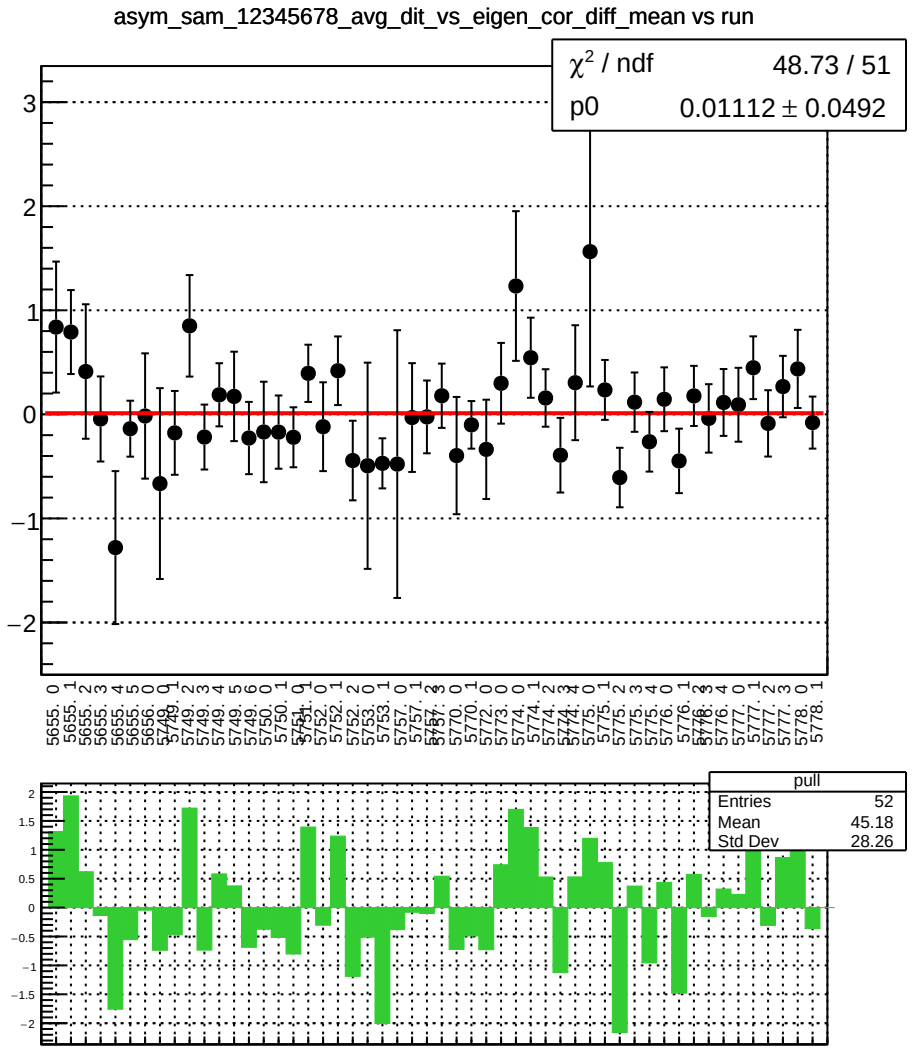
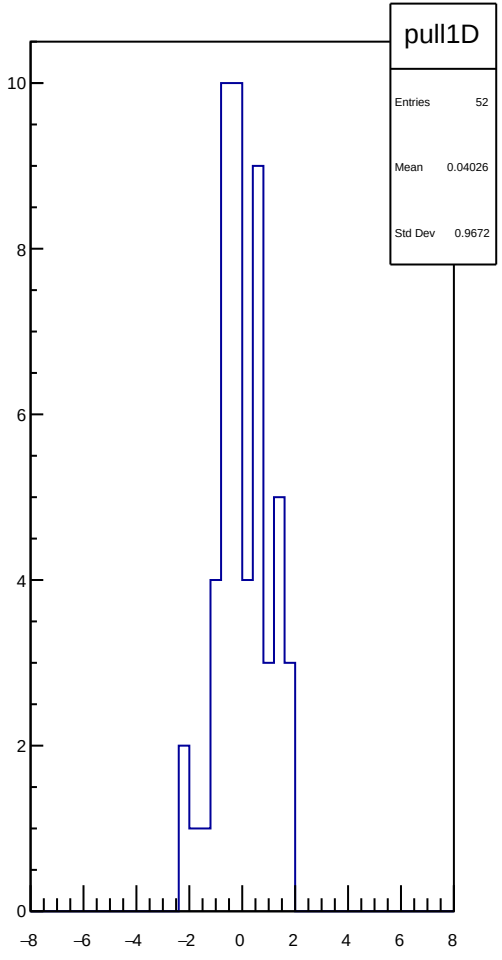
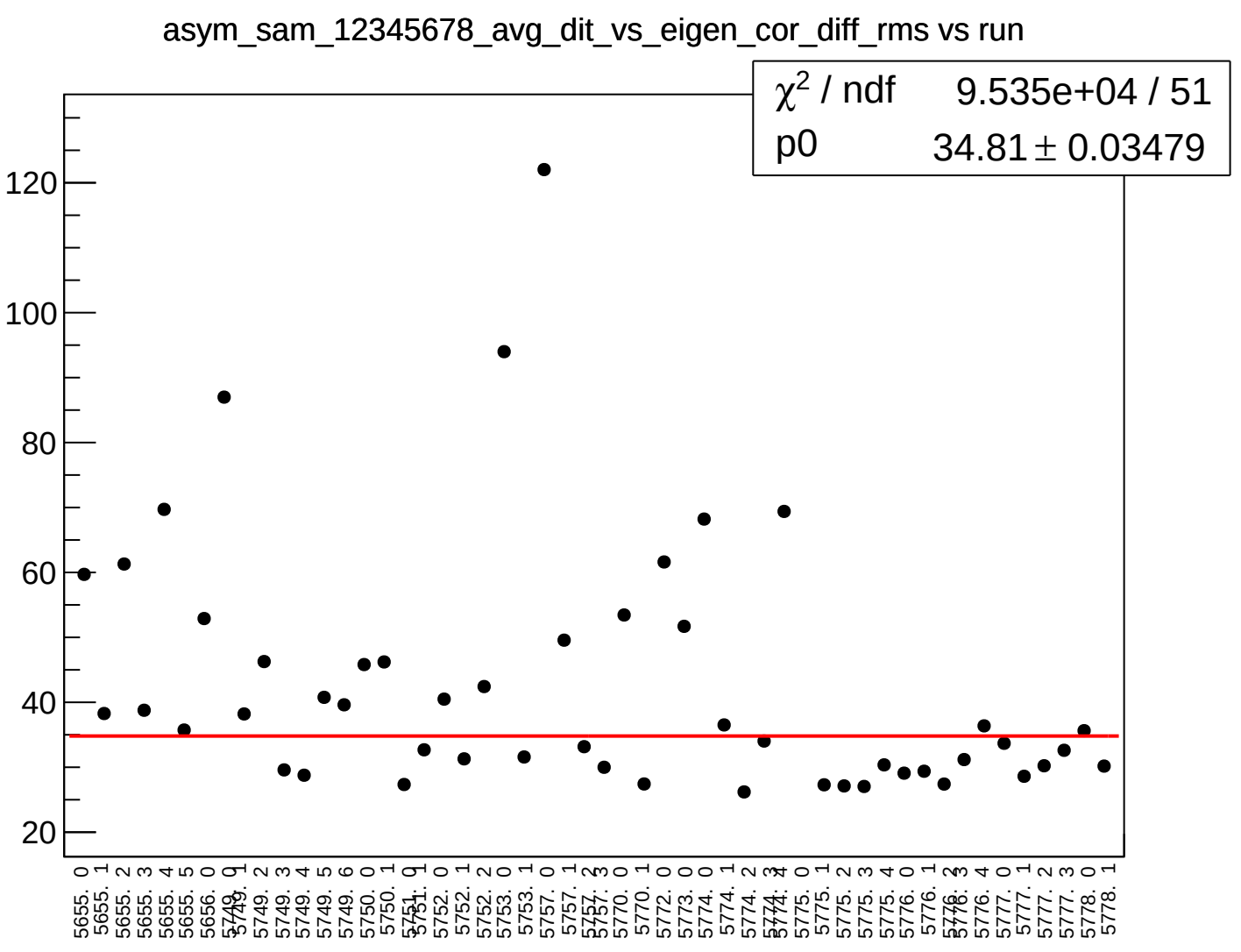

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.73 / 51
p0 0.01112 ± 0.0492
pull
Entries 52
Mean 45.18
Std Dev 28.26


pull1D
Entries 52
Mean 0.04026
Std Dev 0.9672


asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.535e+04 / 51
p0 34.81 ± 0.03479
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
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5749. 6
5750. 0
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5770. 1
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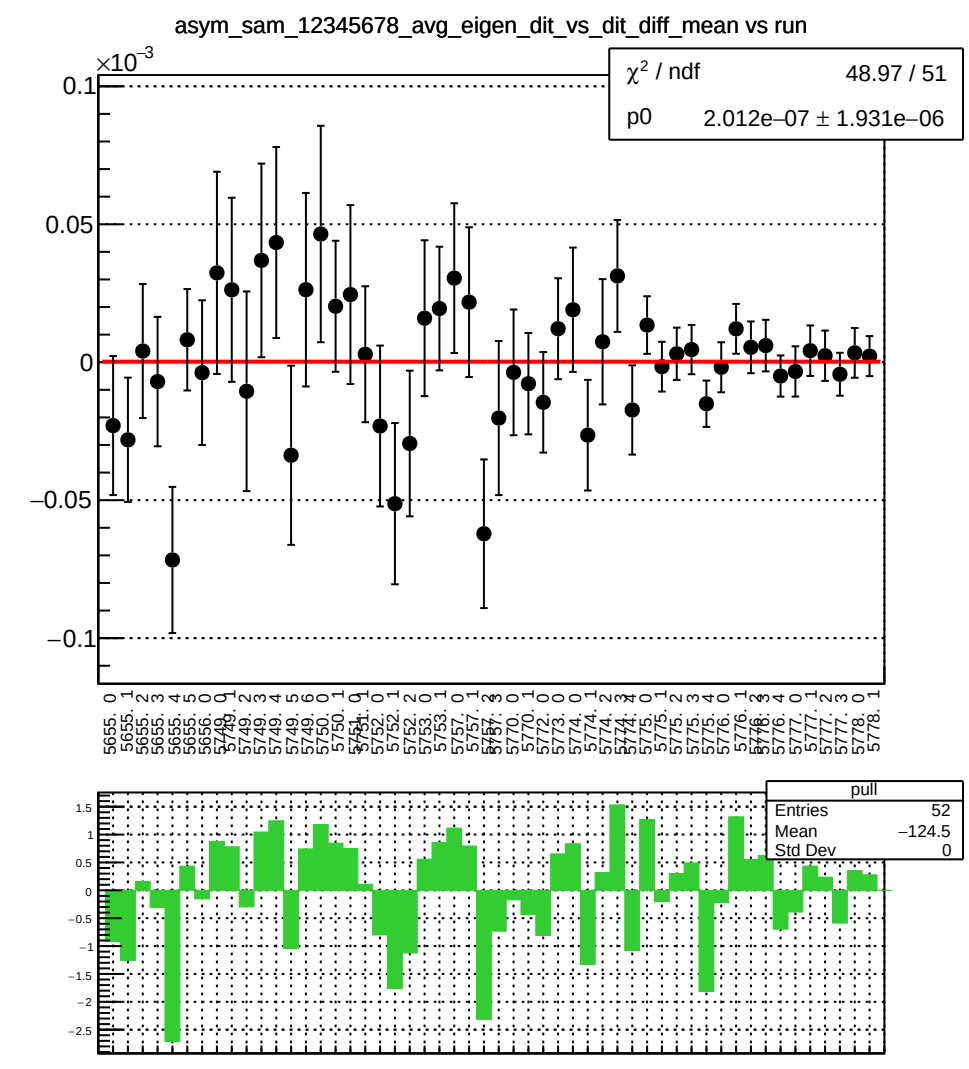
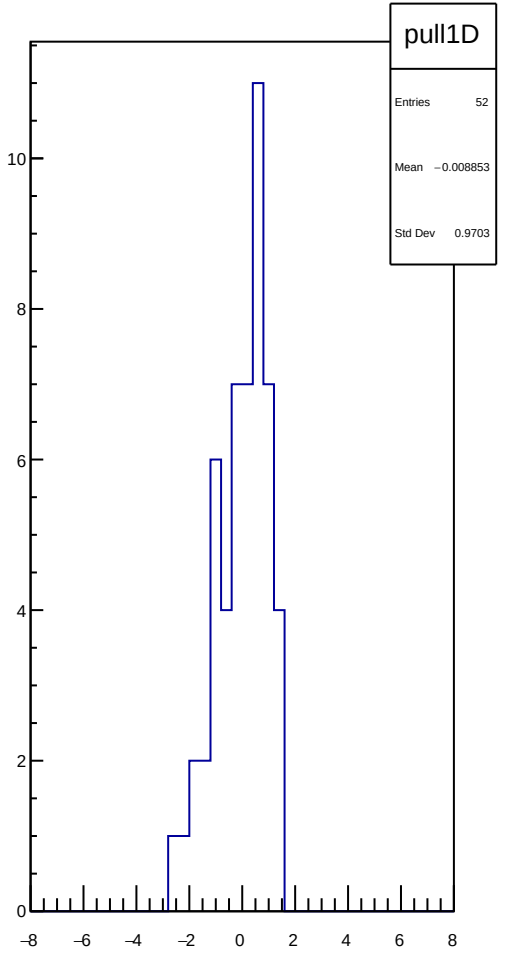
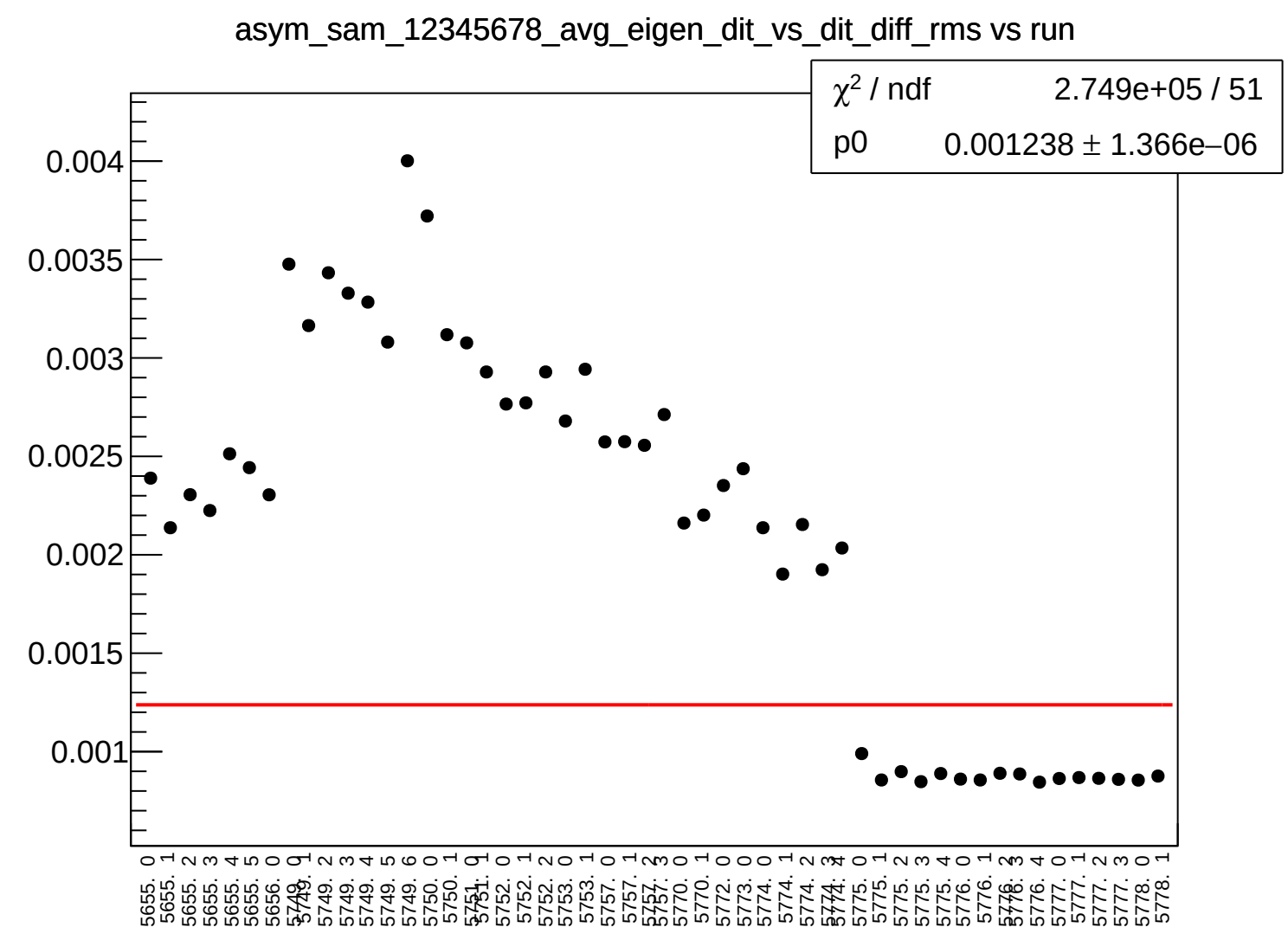
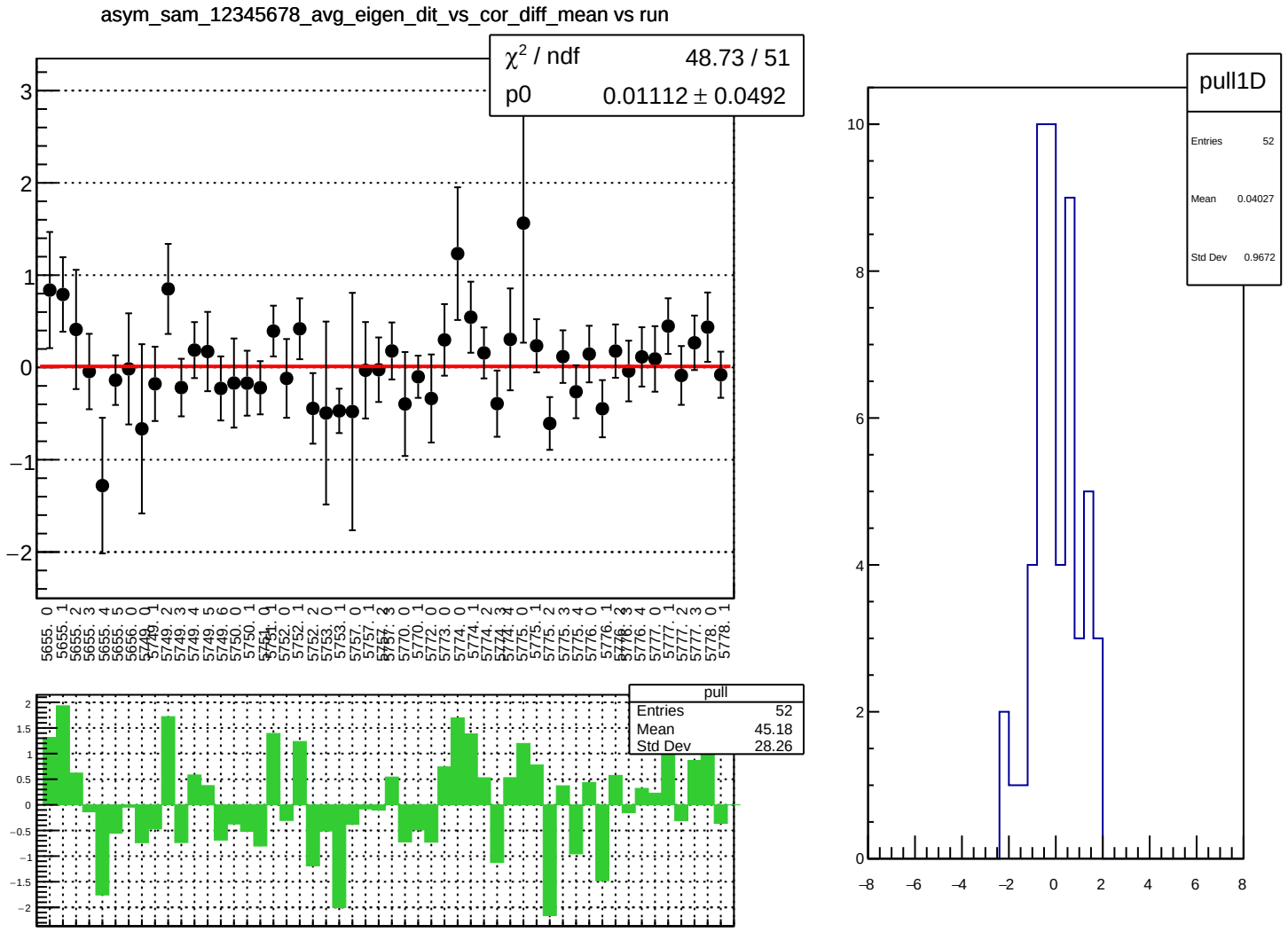
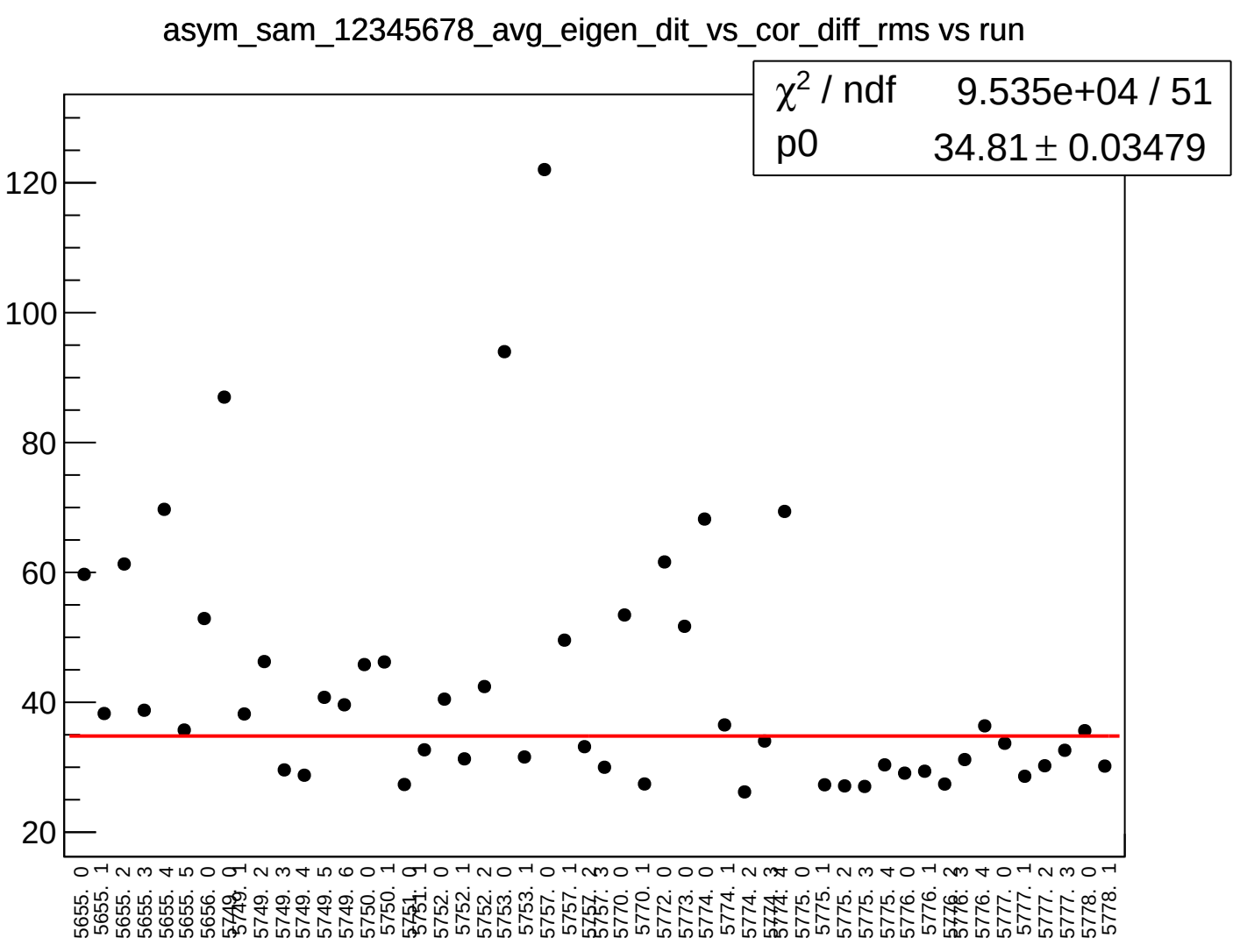
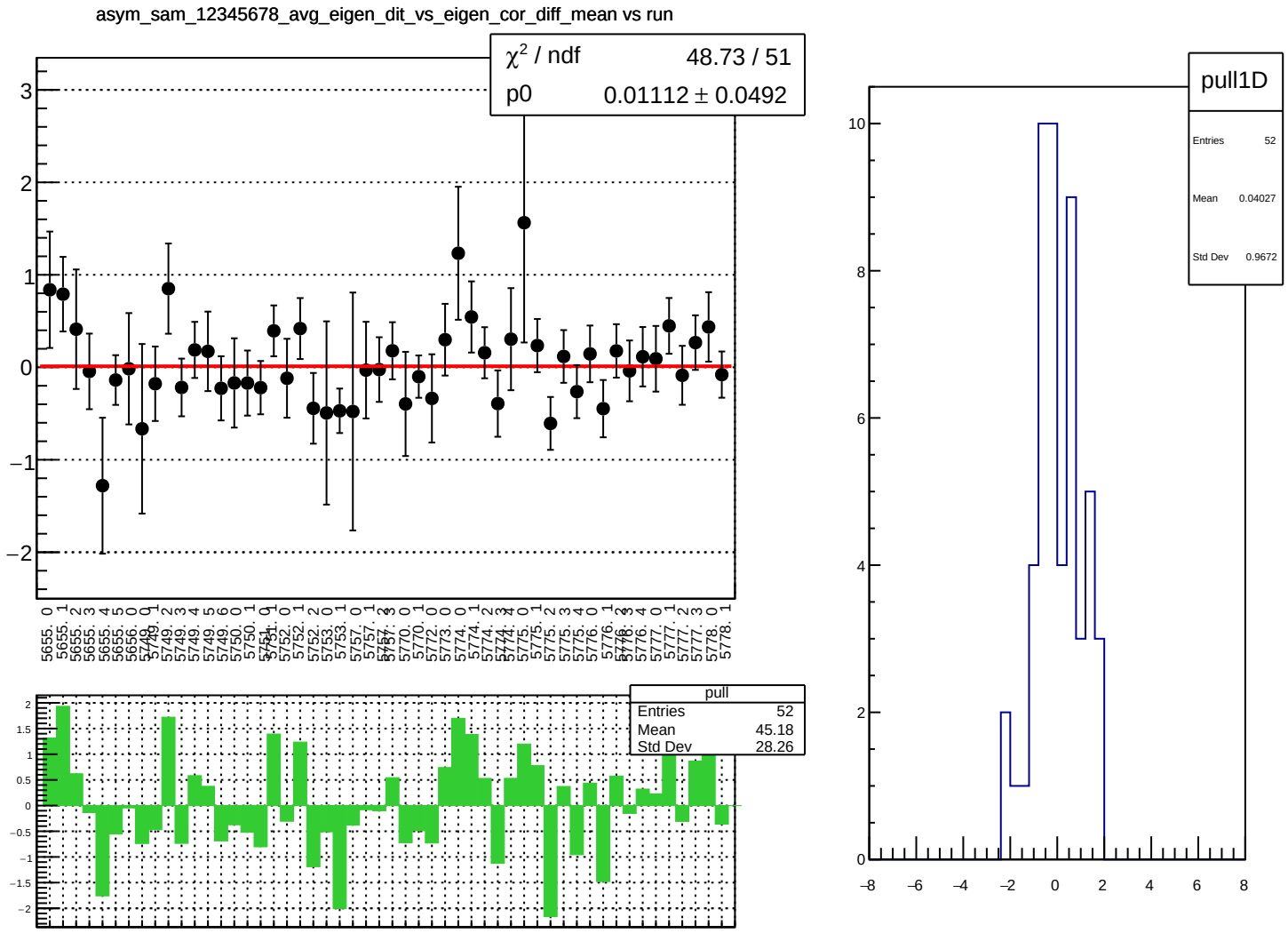

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 48.97 / 51
p0 2.012e−07 ± 1.931e−06
pull
Entries 52
Mean −124.5
Std Dev 0

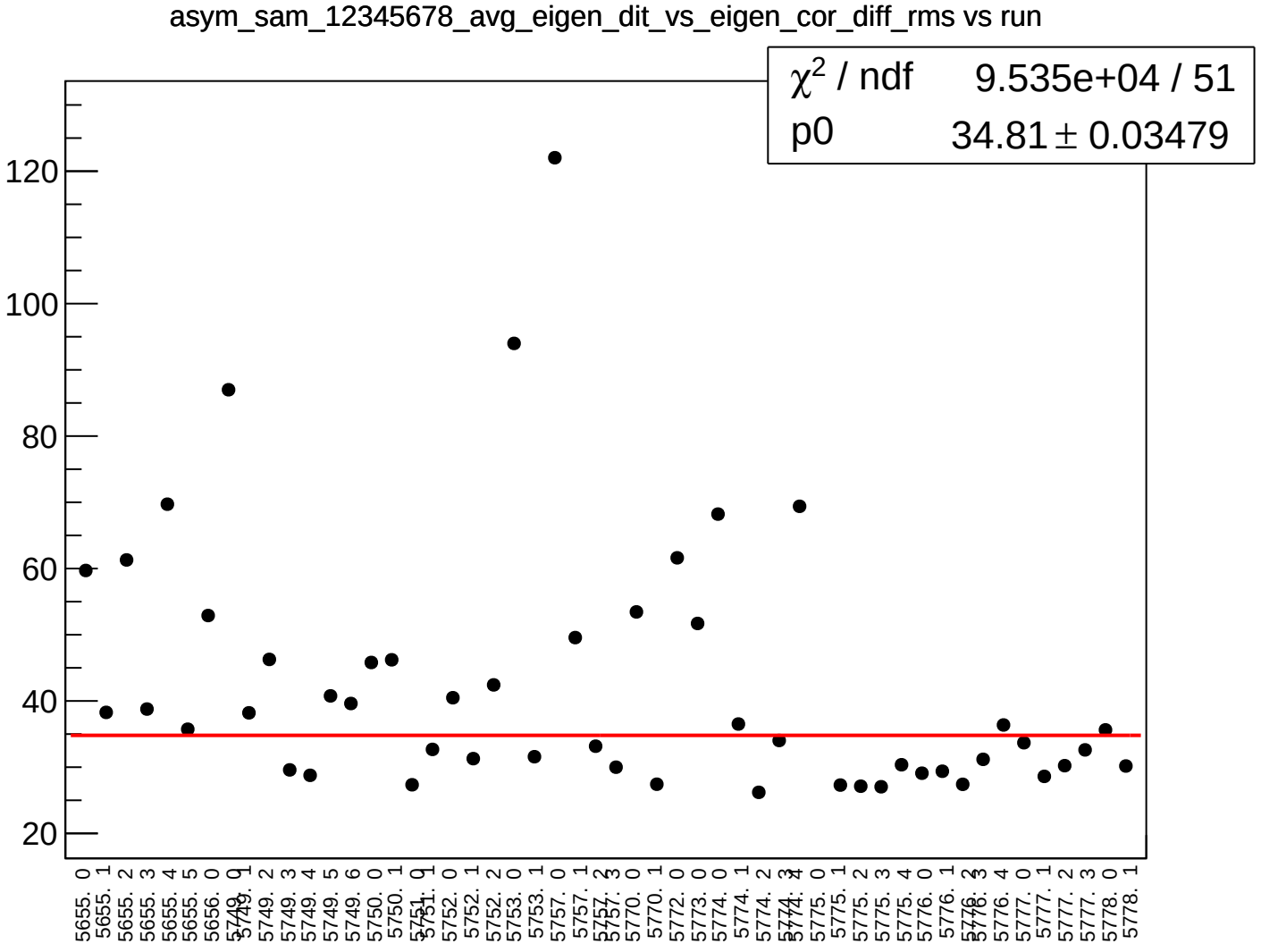

pull1D
Entries 52
Mean −0.008853
Std Dev 0.9703

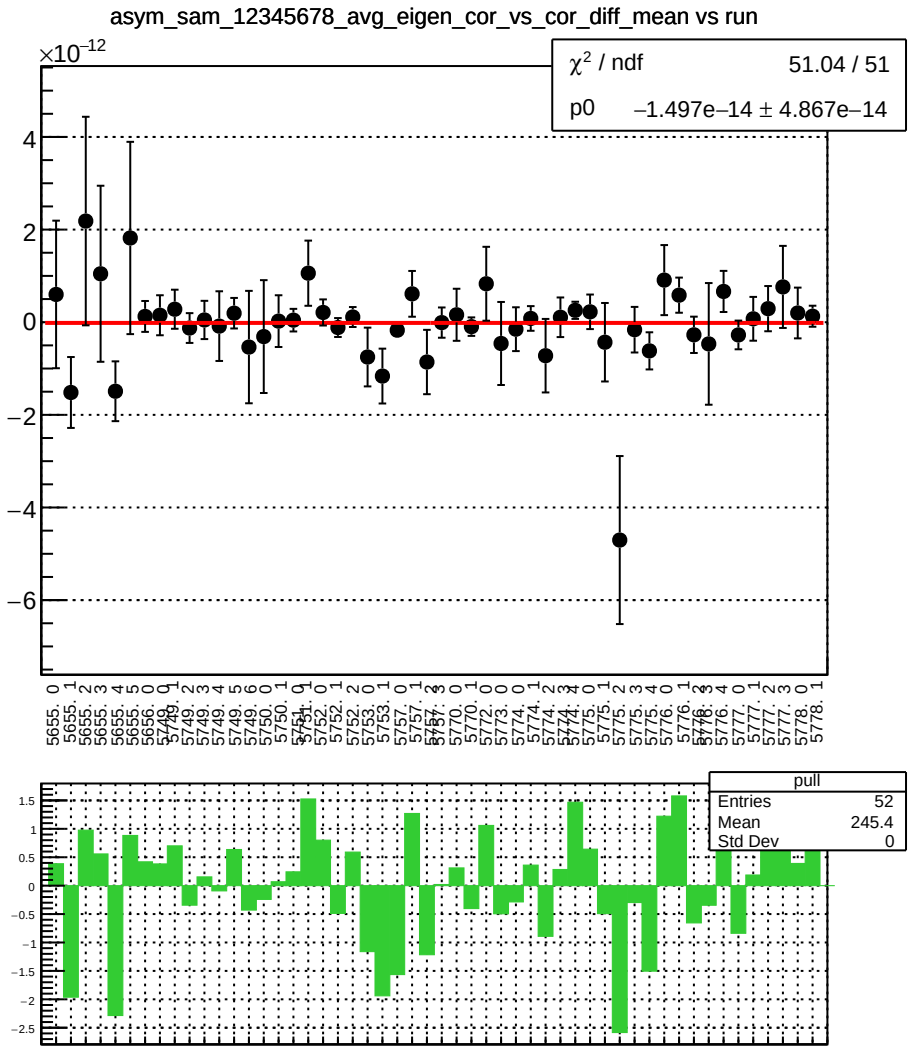

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.749e+05 / 51
p0 0.001238 ± 1.366e−06
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

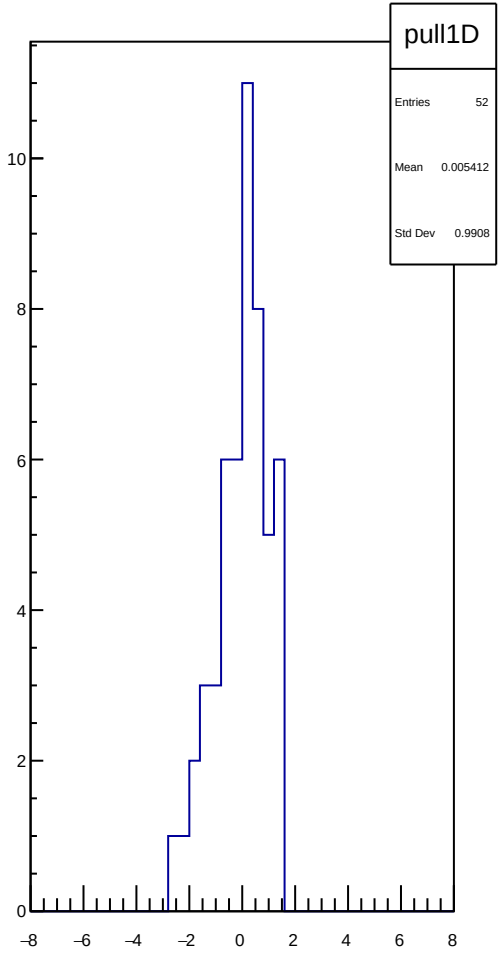

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.73 / 51
p0 0.01112 ± 0.0492
pull
Entries 52
Mean 45.18
Std Dev 28.26
pull1D
Entries 52
Mean 0.04027
Std Dev 0.9672

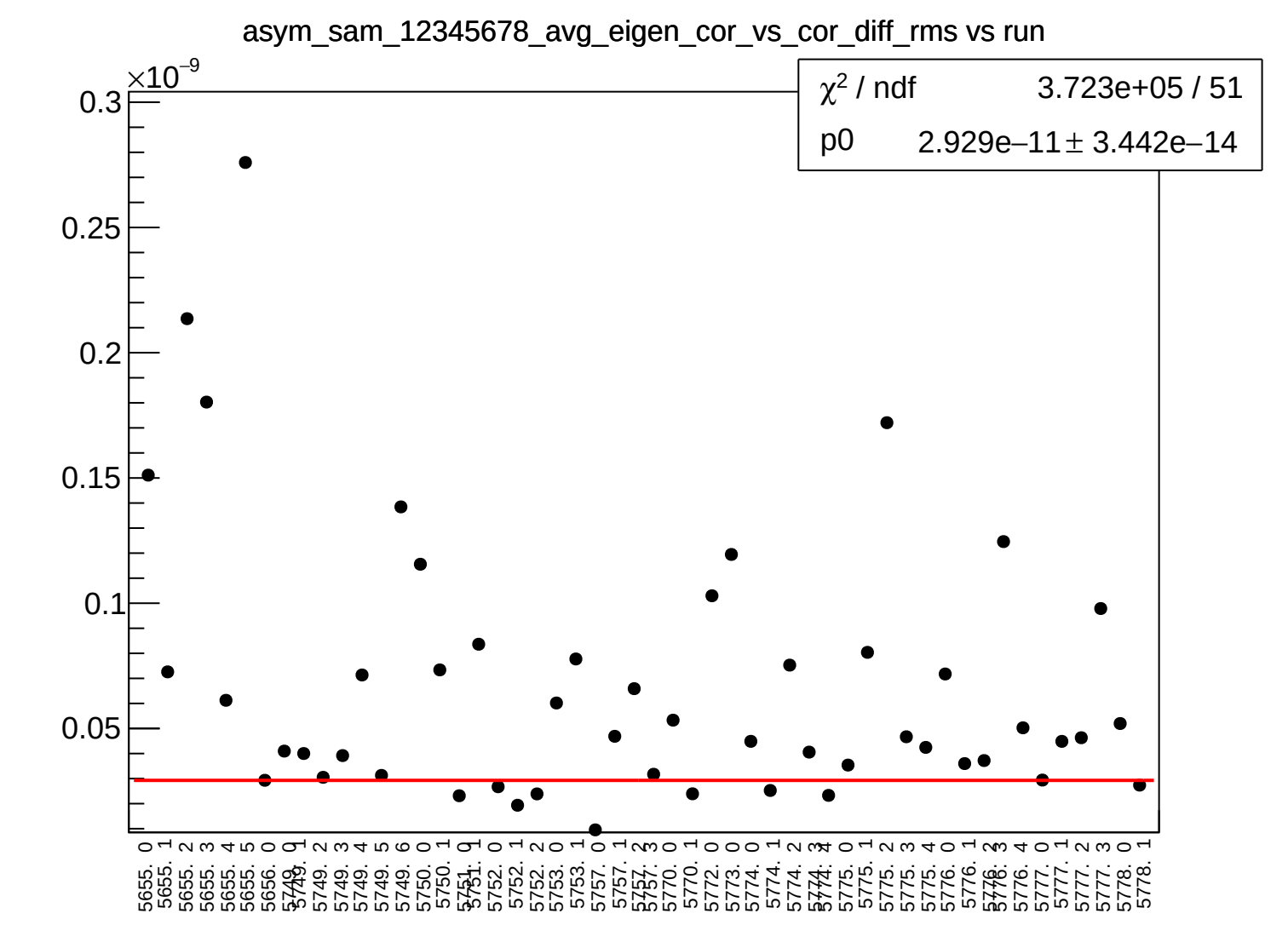

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.535e+04 / 51
p0 34.81 ± 0.03479
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

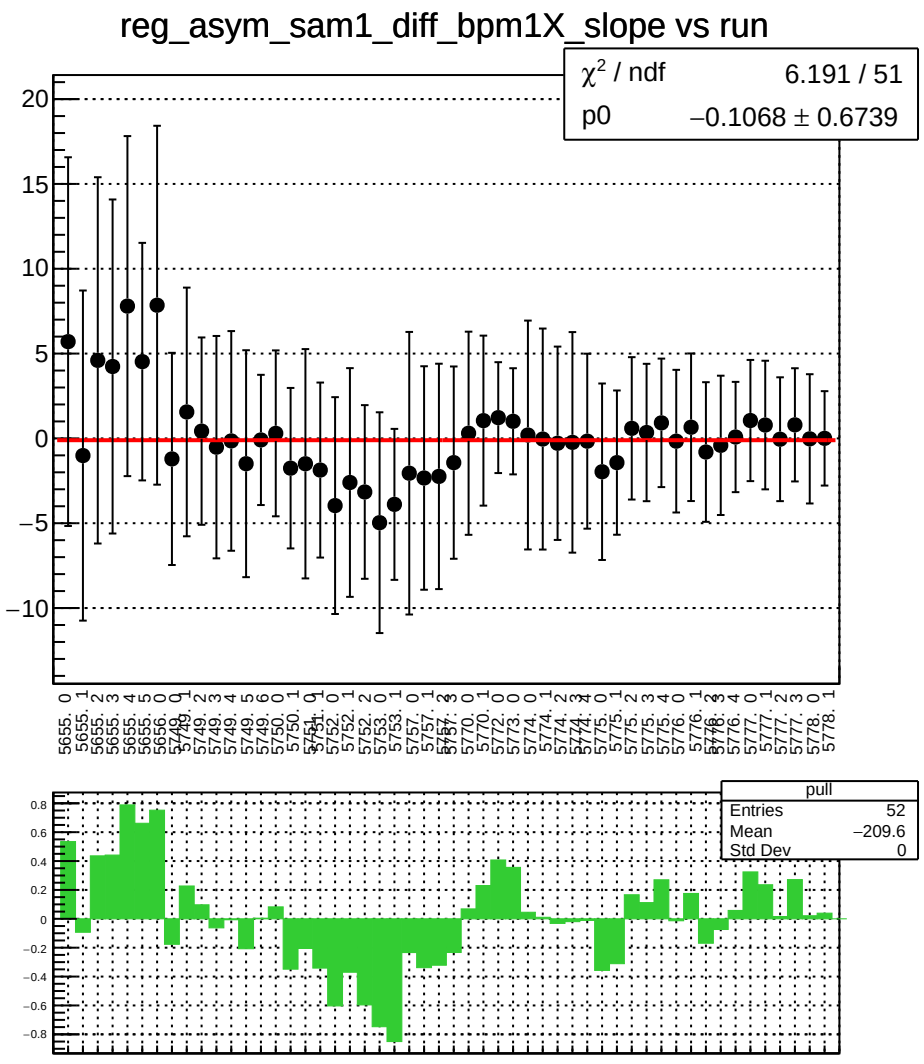

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.73 / 51
p0 0.01112 ± 0.0492
pull
Entries 52
Mean 45.18
Std Dev 28.26
pull1D
Entries 52
Mean 0.04027
Std Dev 0.9672

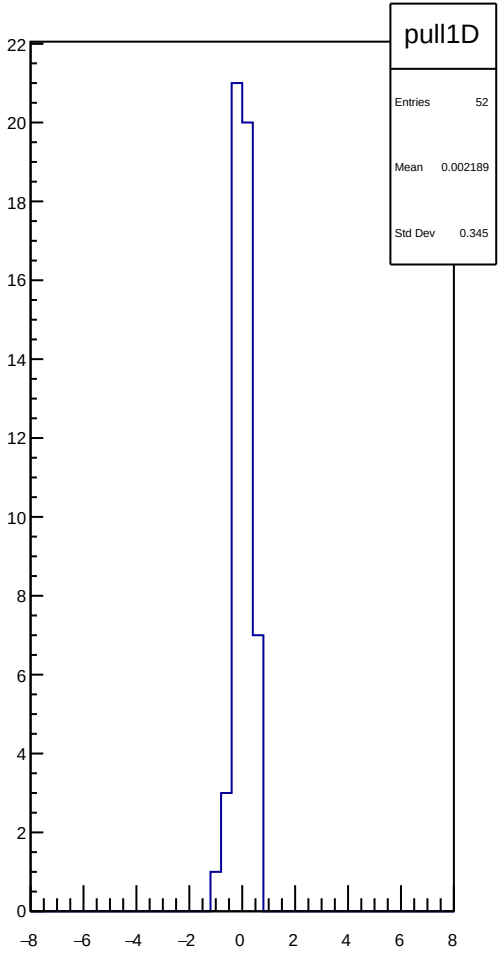

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.535e+04 / 51
p0 34.81 ± 0.03479
120
100
80
60
40
20
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

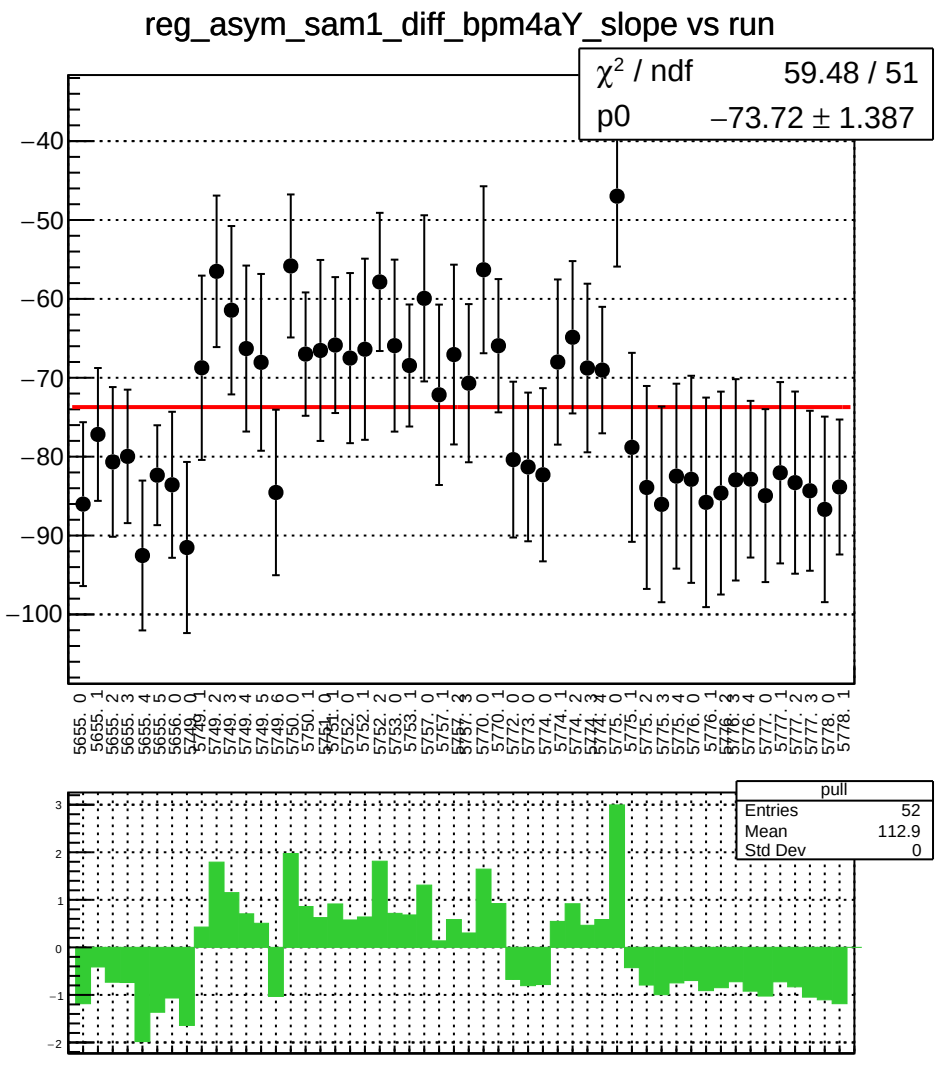

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.04 / 51
p0 −1.497e−14 ± 4.867e−14
pull
Entries 52
Mean 245.4
Std Dev 0

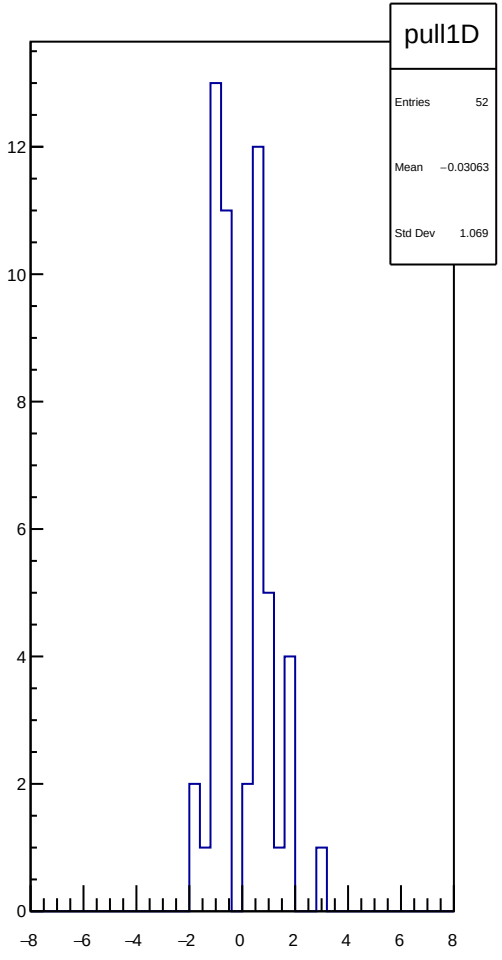

pull1D
Entries 52
Mean 0.005412
Std Dev 0.9908

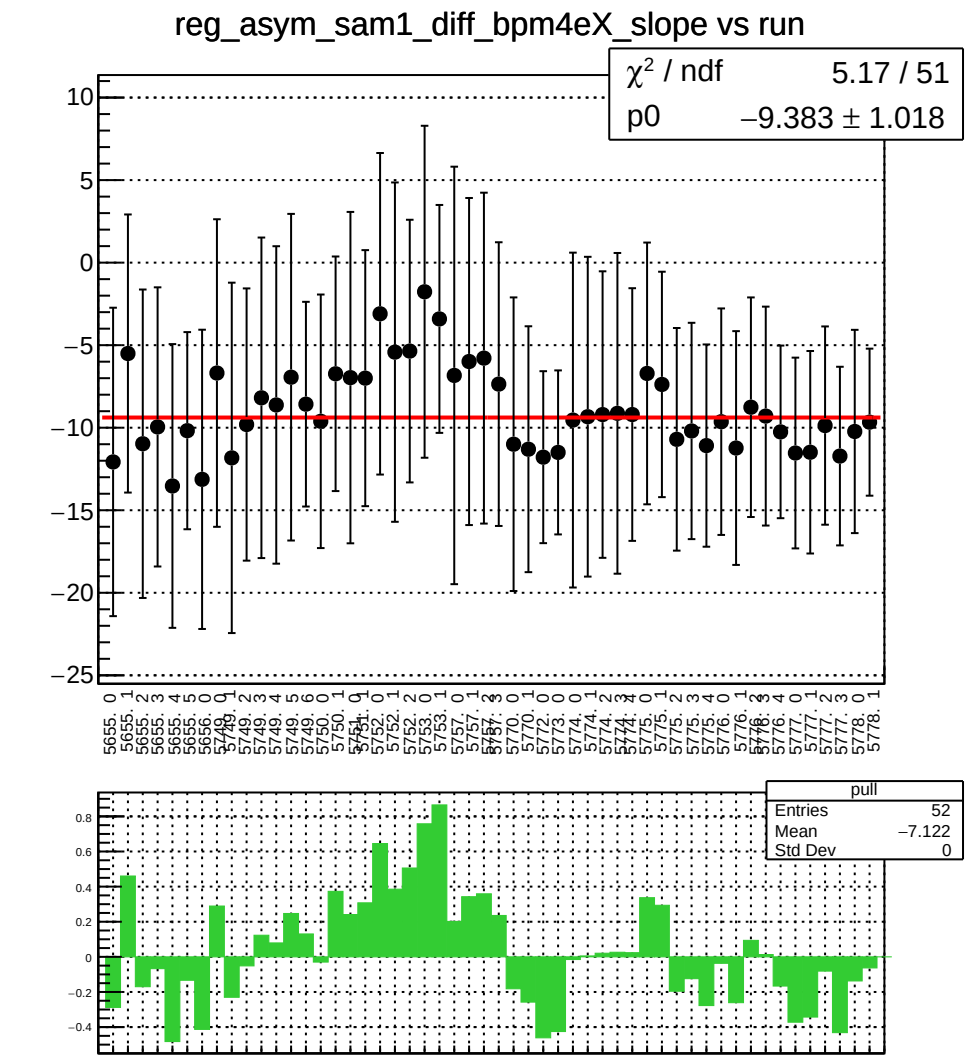

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.723e+05 / 51
p0 2.929e−11 ± 3.442e−14
0.3
0.25
0.2
0.15
0.1
0.05
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

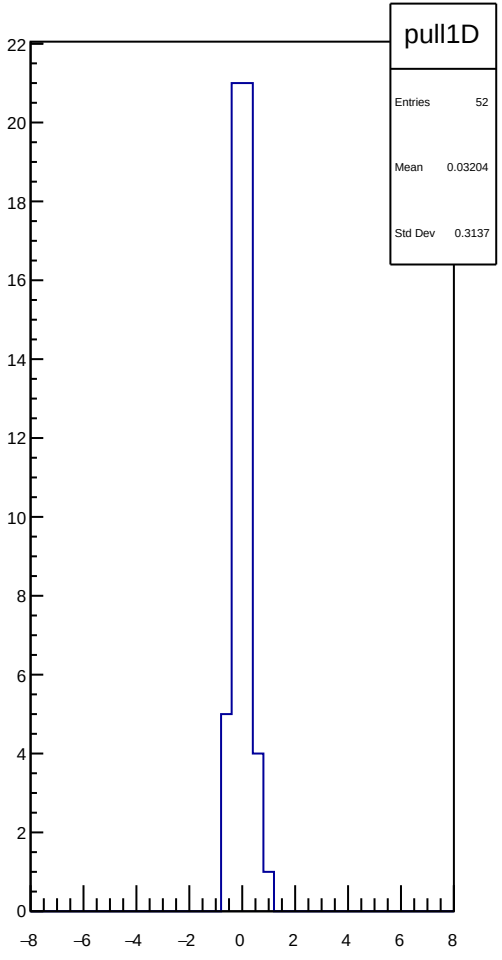

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 6.191 / 51
p0 −0.1068 ± 0.6739
pull
Entries 52
Mean −209.6
Std Dev 0

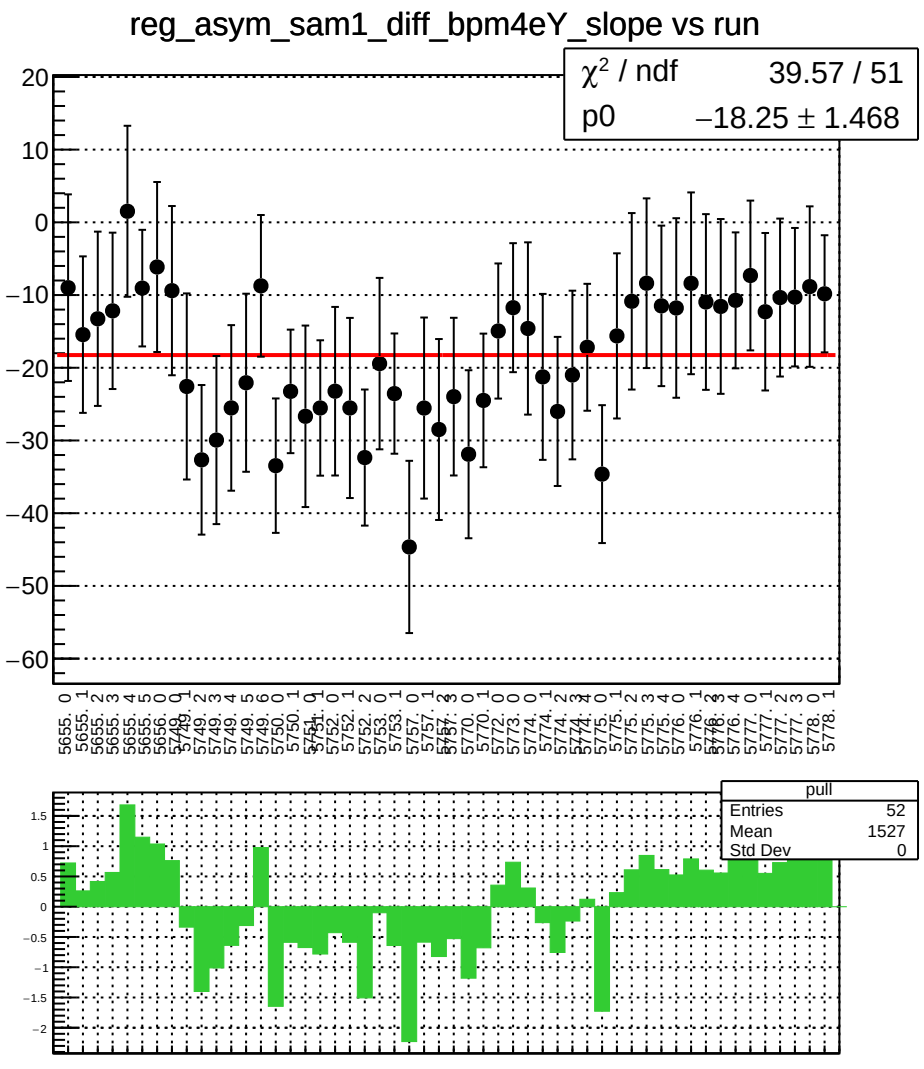

pull1D
Entries 52
Mean 0.002189
Std Dev 0.345

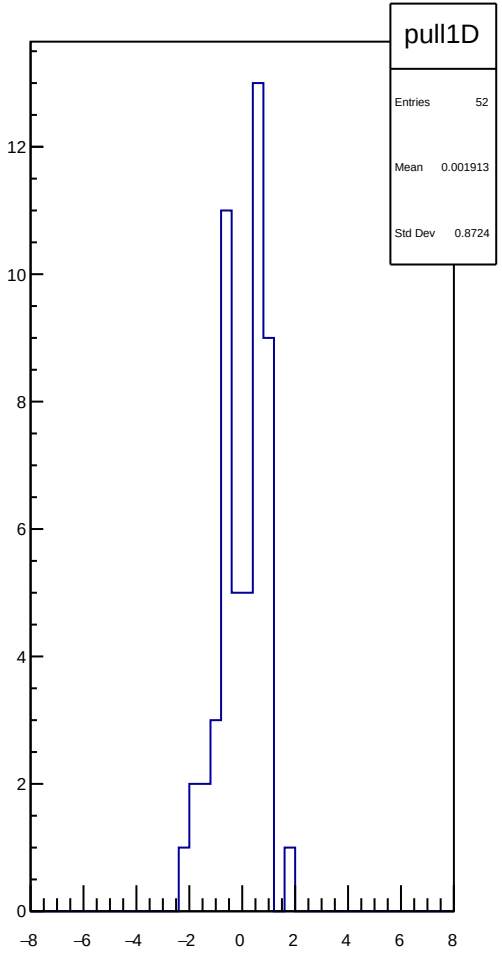

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 59.48 / 51
p0 −73.72 ± 1.387
pull
Entries 52
Mean 112.9
Std Dev 0

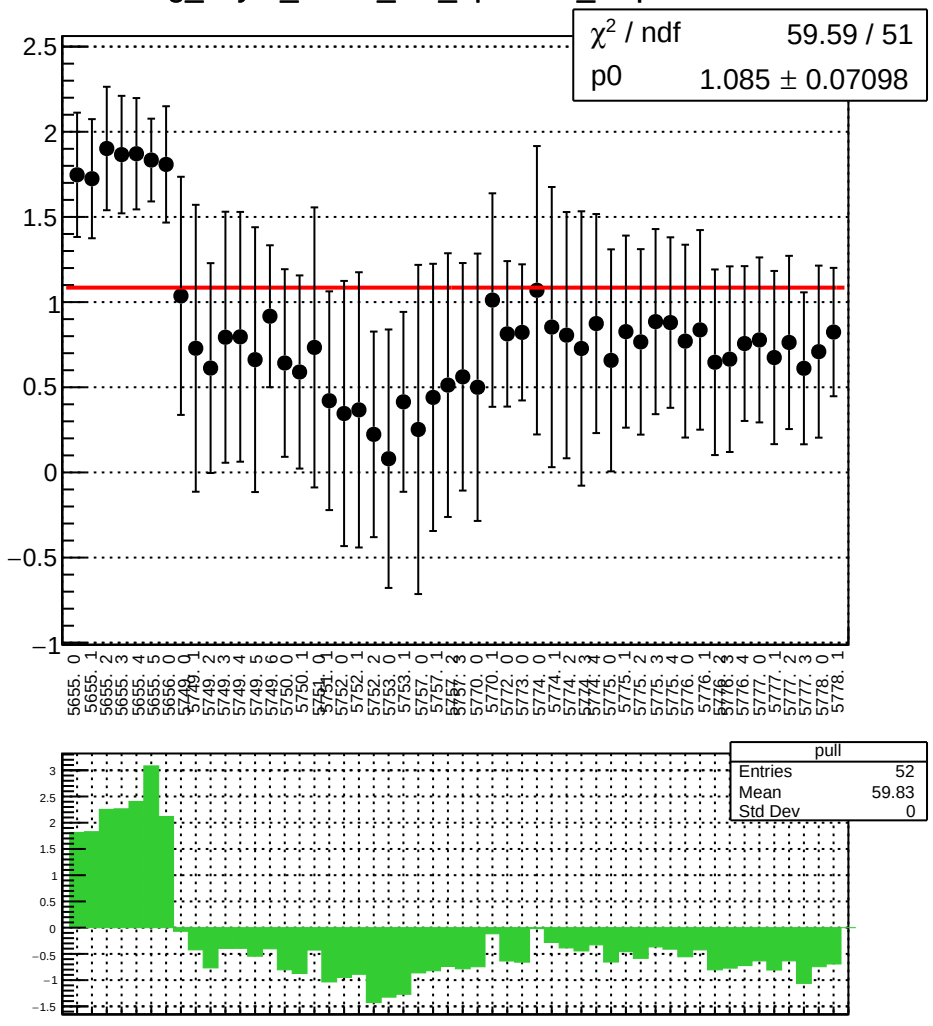

pull1D
Entries 52
Mean −0.03063
Std Dev 1.069

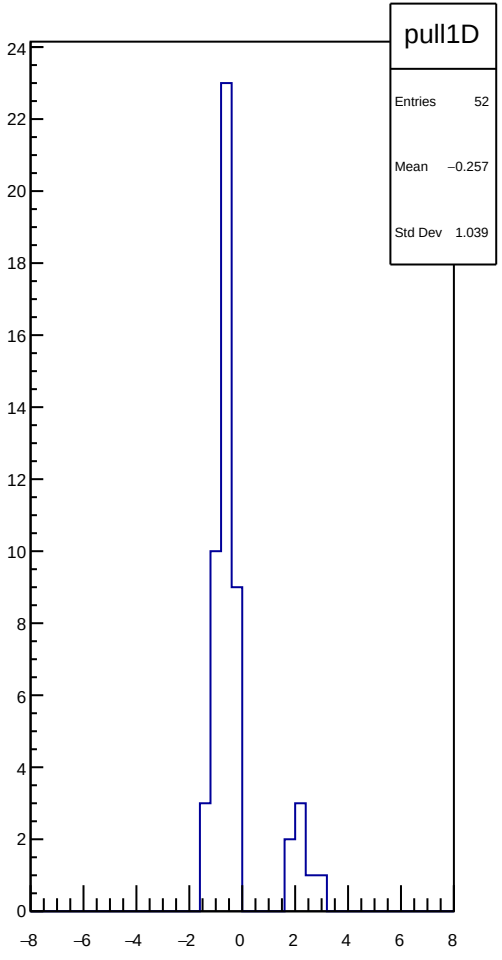

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 5.17 / 51
p0 −9.383 ± 1.018
pull
Entries 52
Mean −7.122
Std Dev 0

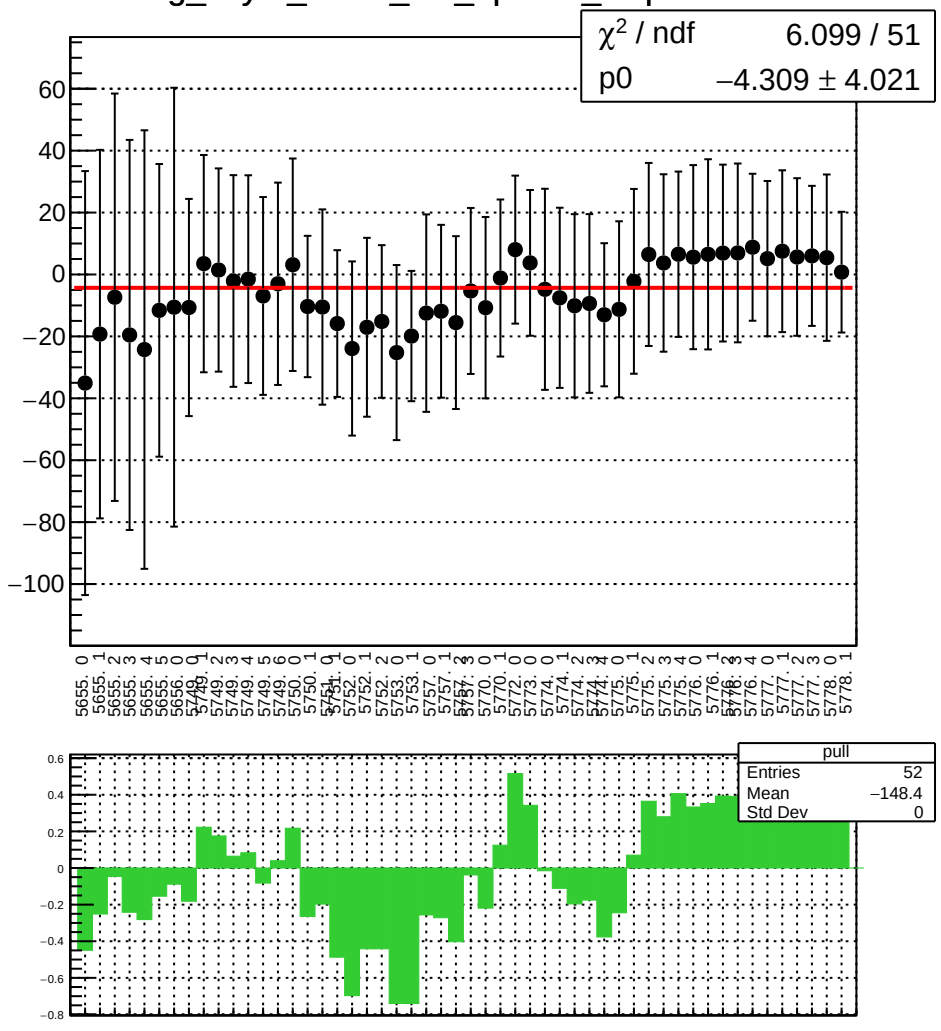

pull1D
Entries 52
Mean 0.03204
Std Dev 0.3137

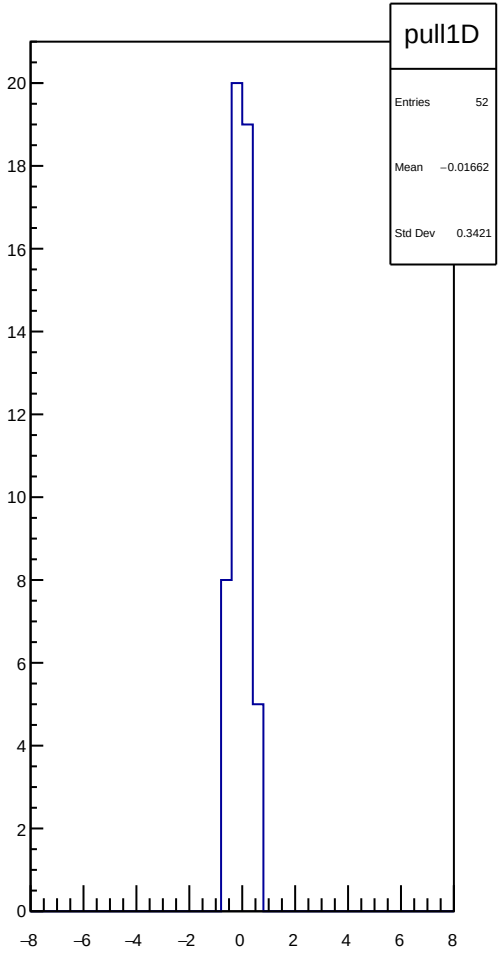

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 39.57 / 51
p0 −18.25 ± 1.468
pull
Entries 52
Mean 1527
Std Dev 0

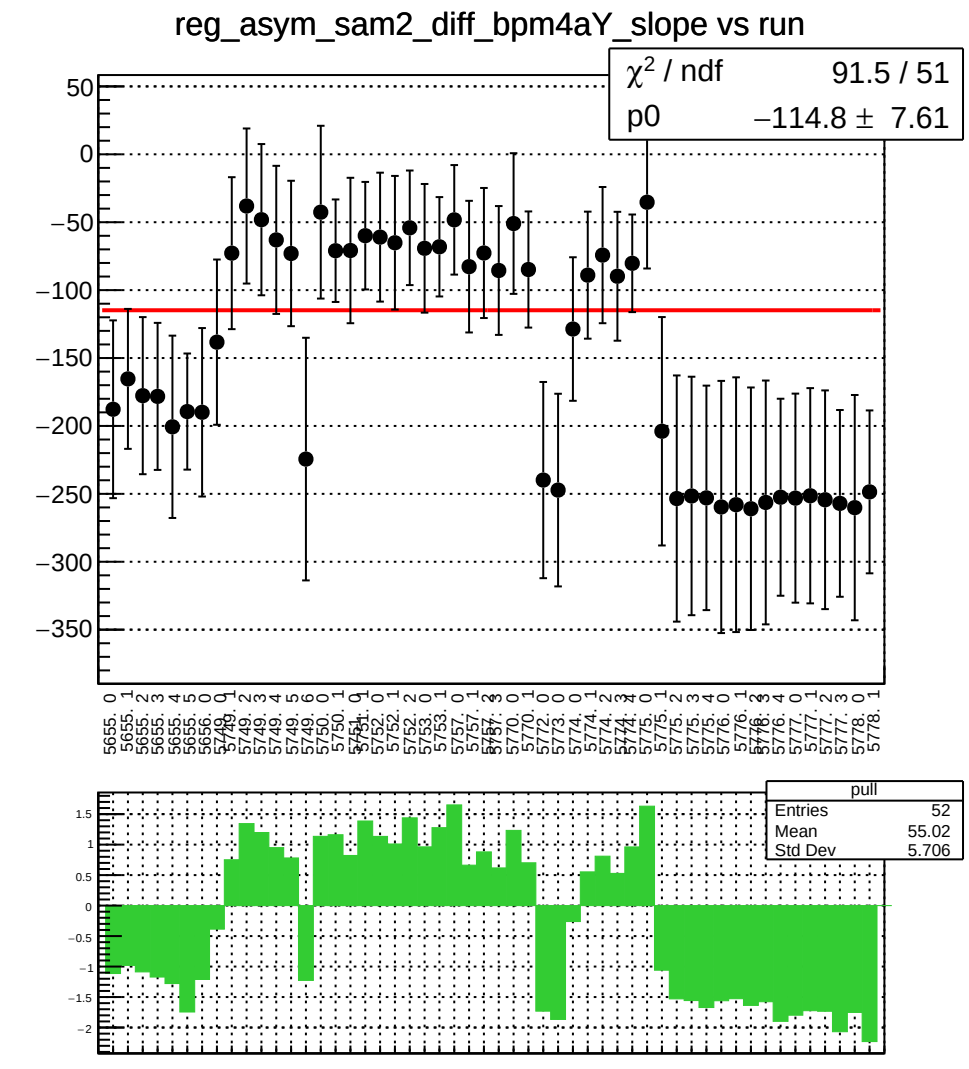

pull1D
Entries 52
Mean 0.001913
Std Dev 0.8724

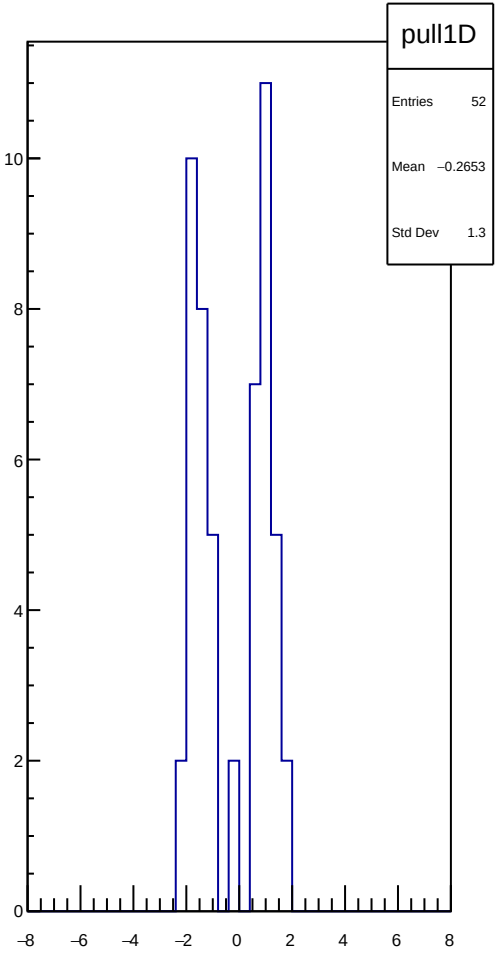

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 59.59 / 51
p0 1.085 ± 0.07098
pull
Entries 52
Mean 59.83
Std Dev 0

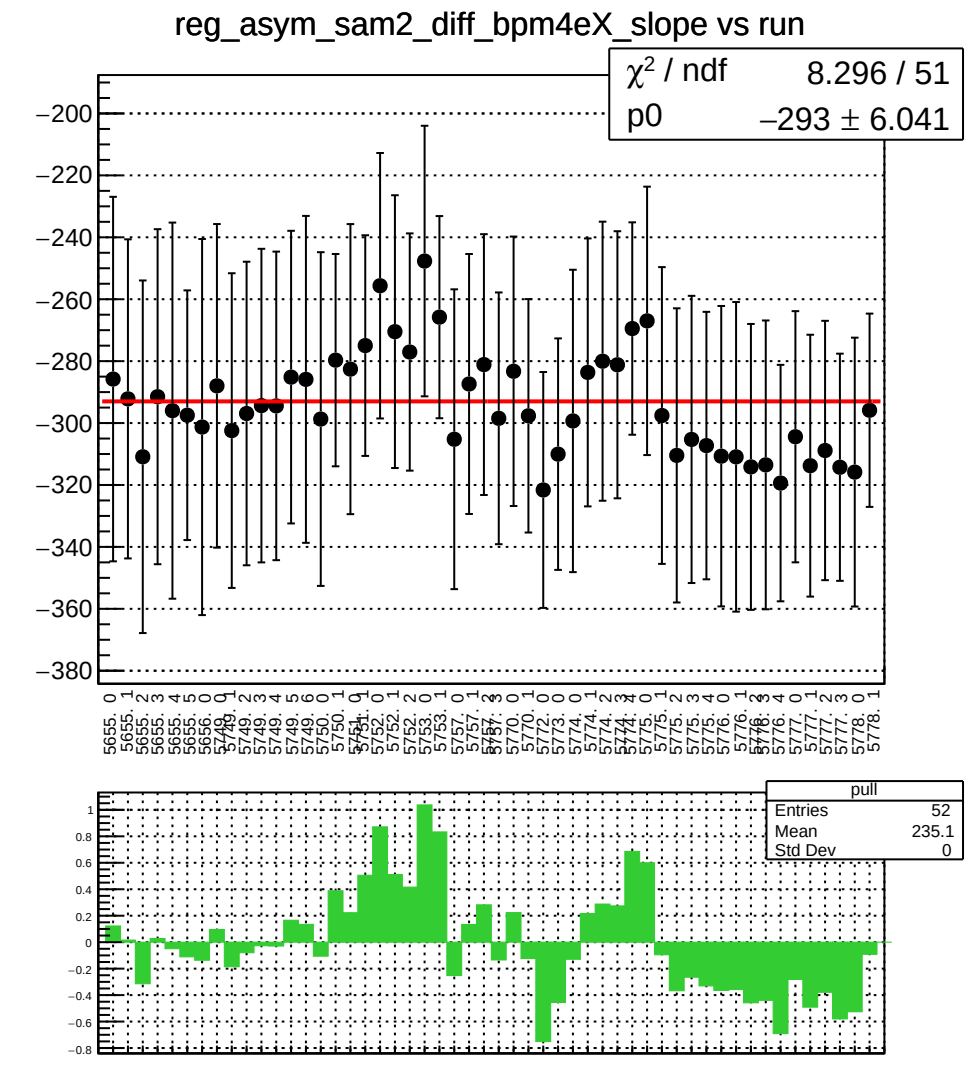

pull1D
Entries 52
Mean −0.257
Std Dev 1.039

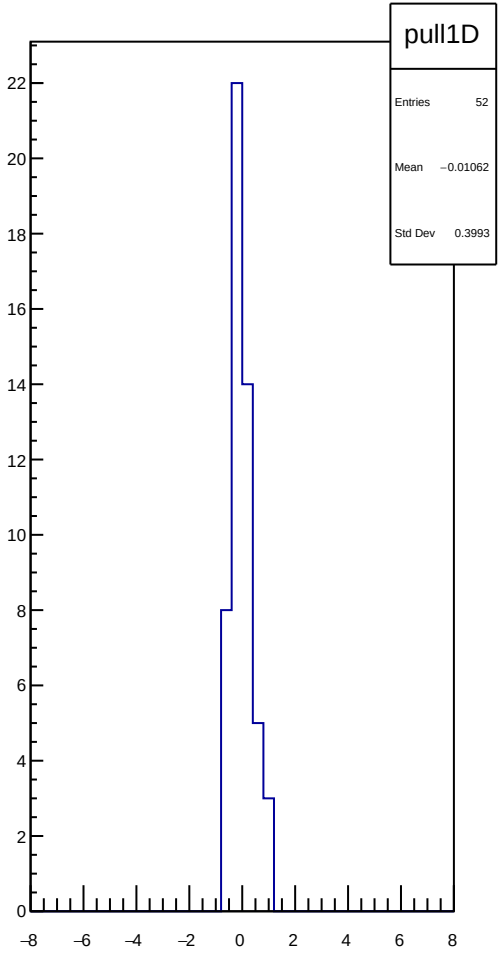

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 6.099 / 51
p0 −4.309 ± 4.021
pull
Entries 52
Mean −148.4
Std Dev 0

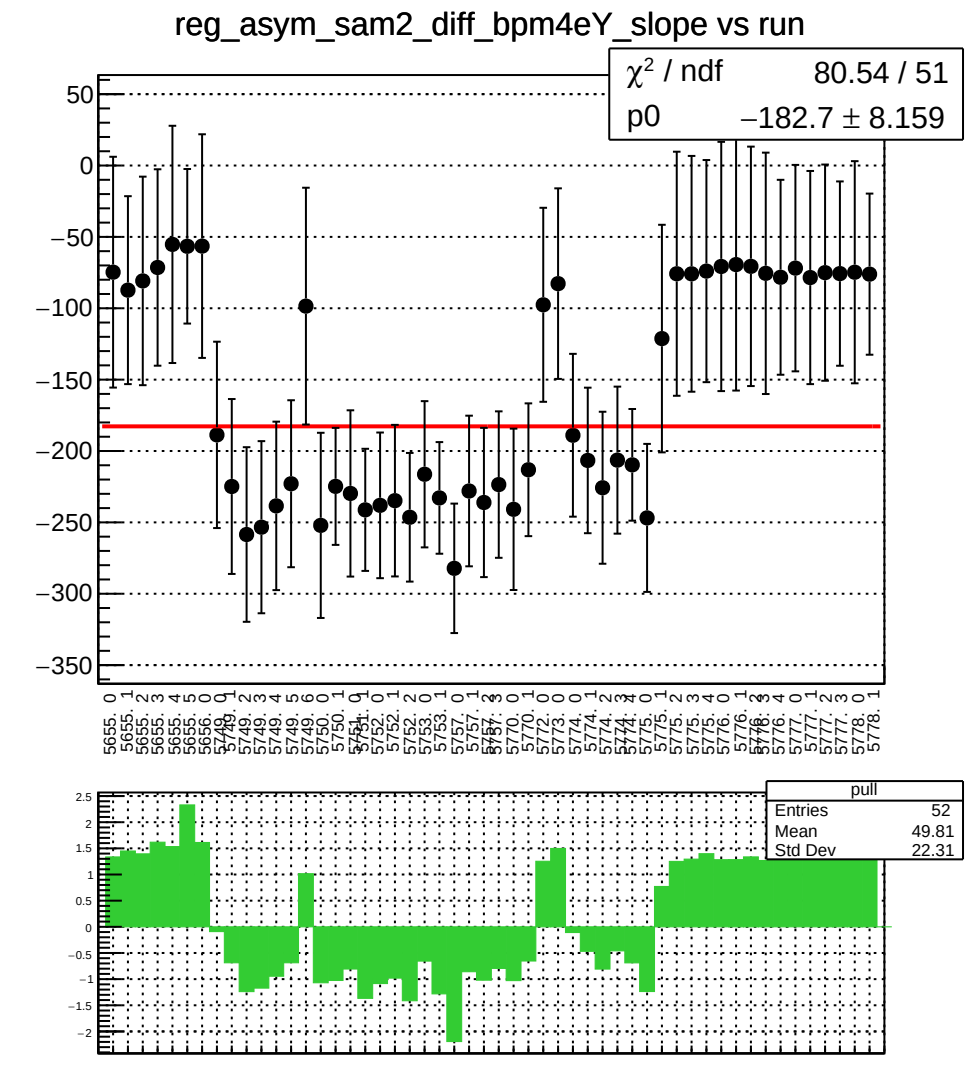

pull1D
Entries 52
Mean −0.01662
Std Dev 0.3421

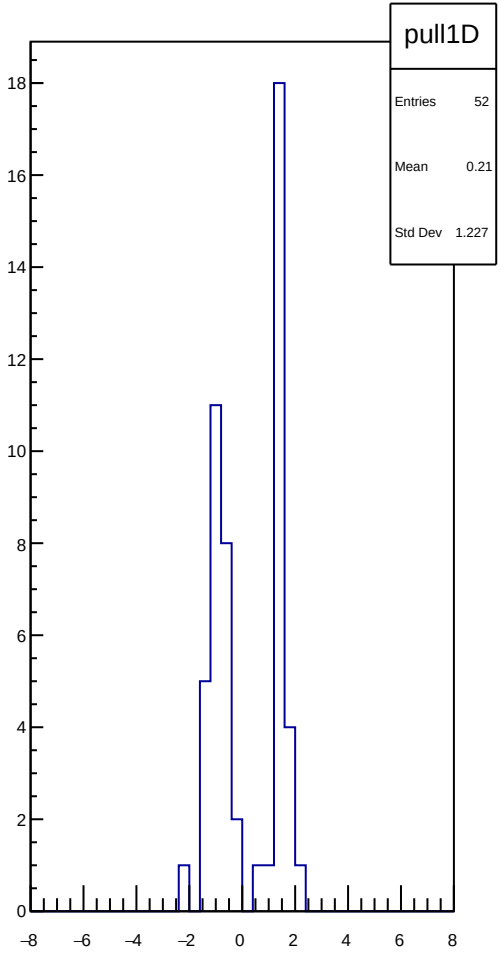

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 91.5 / 51
p0 −114.8 ± 7.61
pull
Entries 52
Mean 55.02
Std Dev 5.706

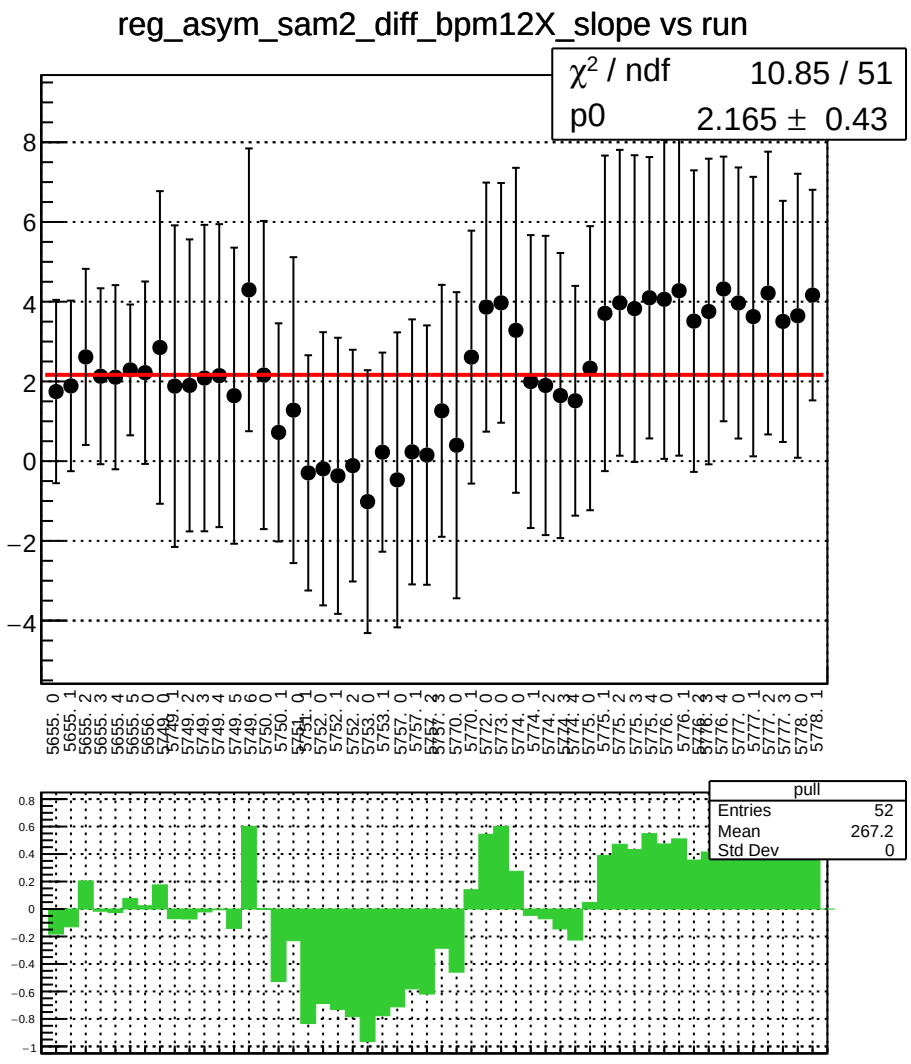

pull1D
Entries 52
Mean −0.2653
Std Dev 1.3

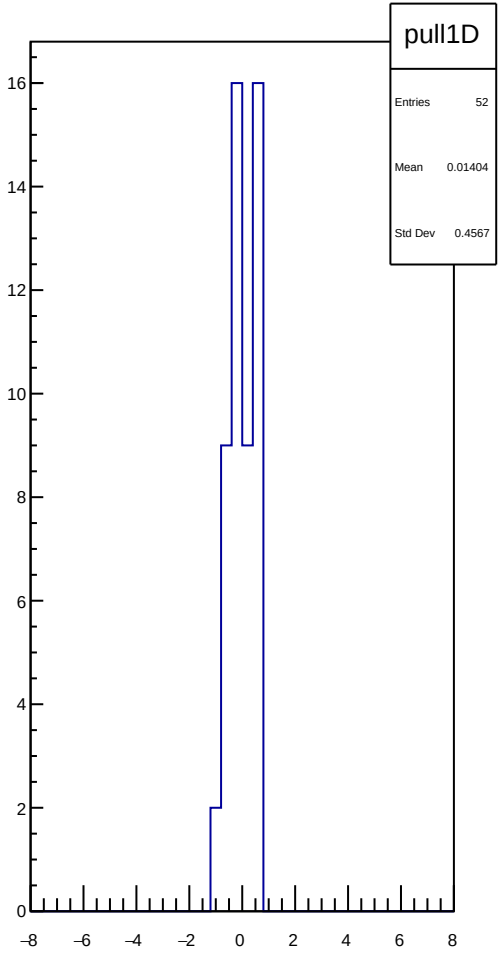

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 8.296 / 51
p0 −293 ± 6.041
pull
Entries 52
Mean 235.1
Std Dev 0

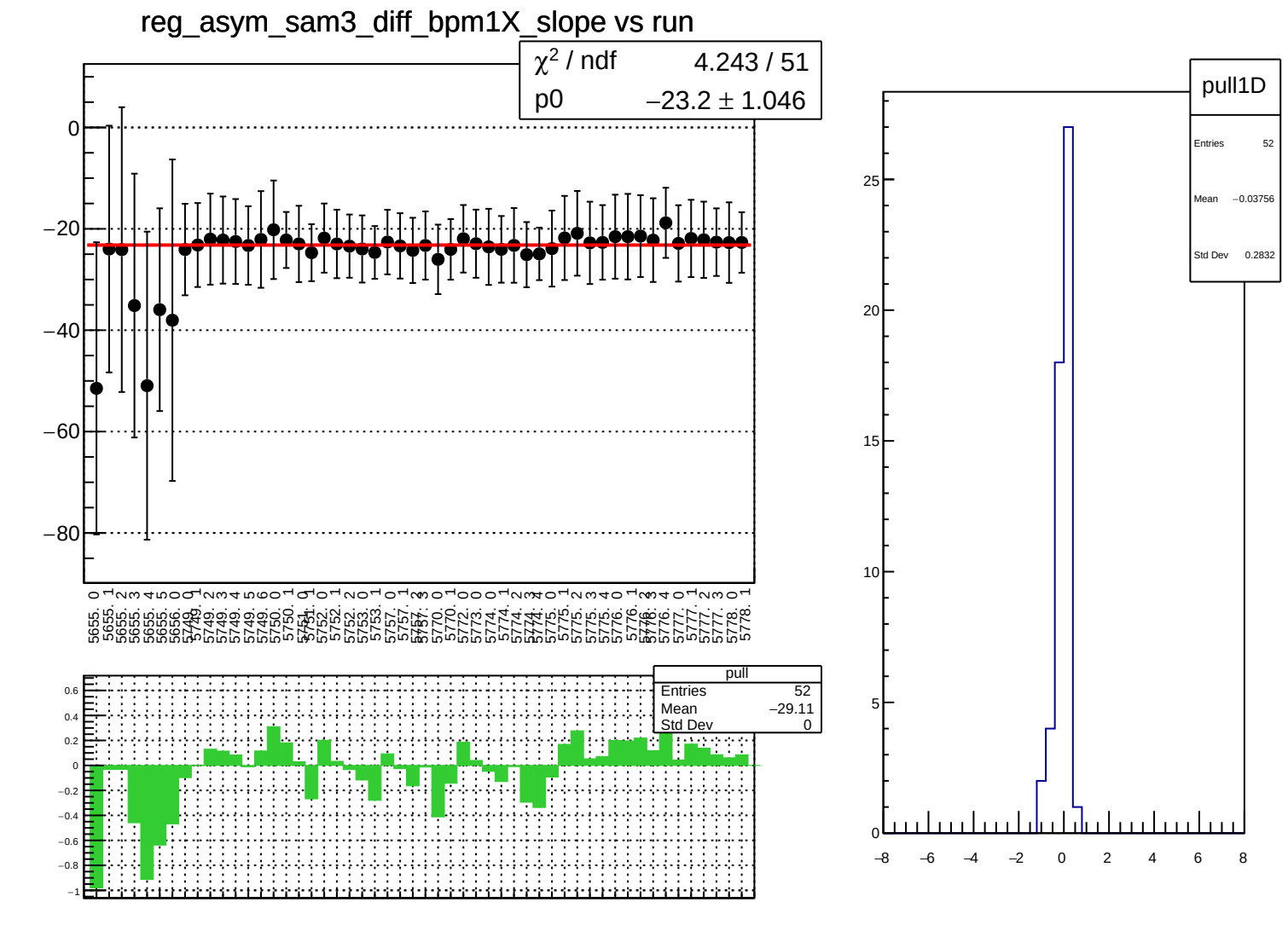

pull1D
Entries 52
Mean −0.01062
Std Dev 0.3993

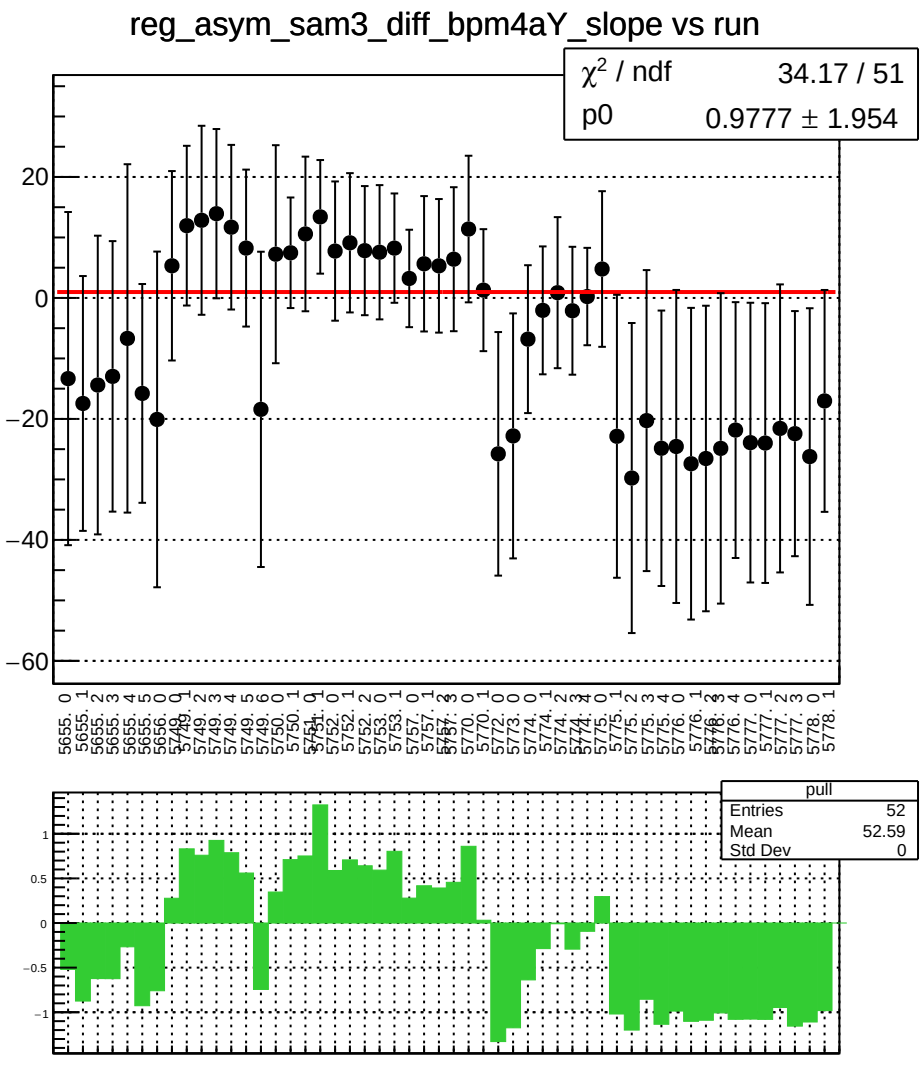

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 80.54 / 51
p0 −182.7 ± 8.159
pull
Entries 52
Mean 49.81
Std Dev 22.31

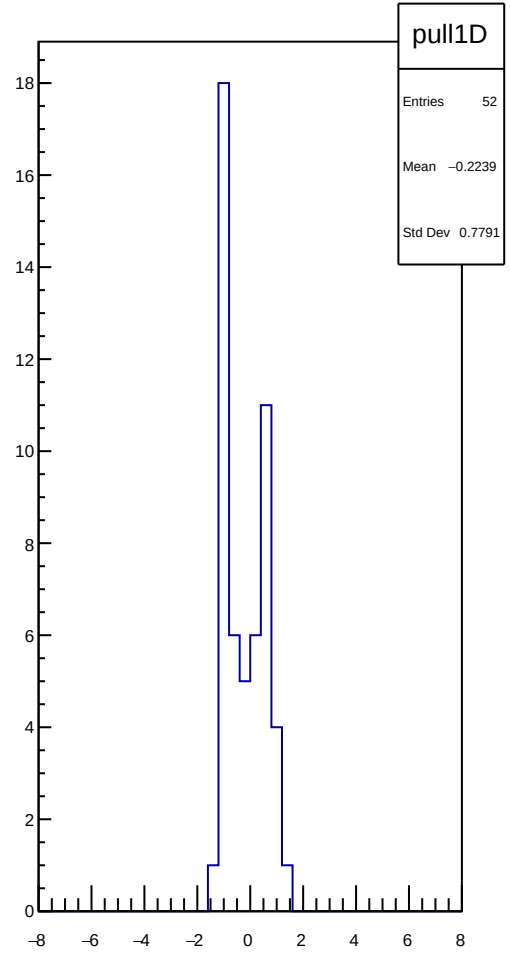

pull1D
Entries 52
Mean 0.21
Std Dev 1.227

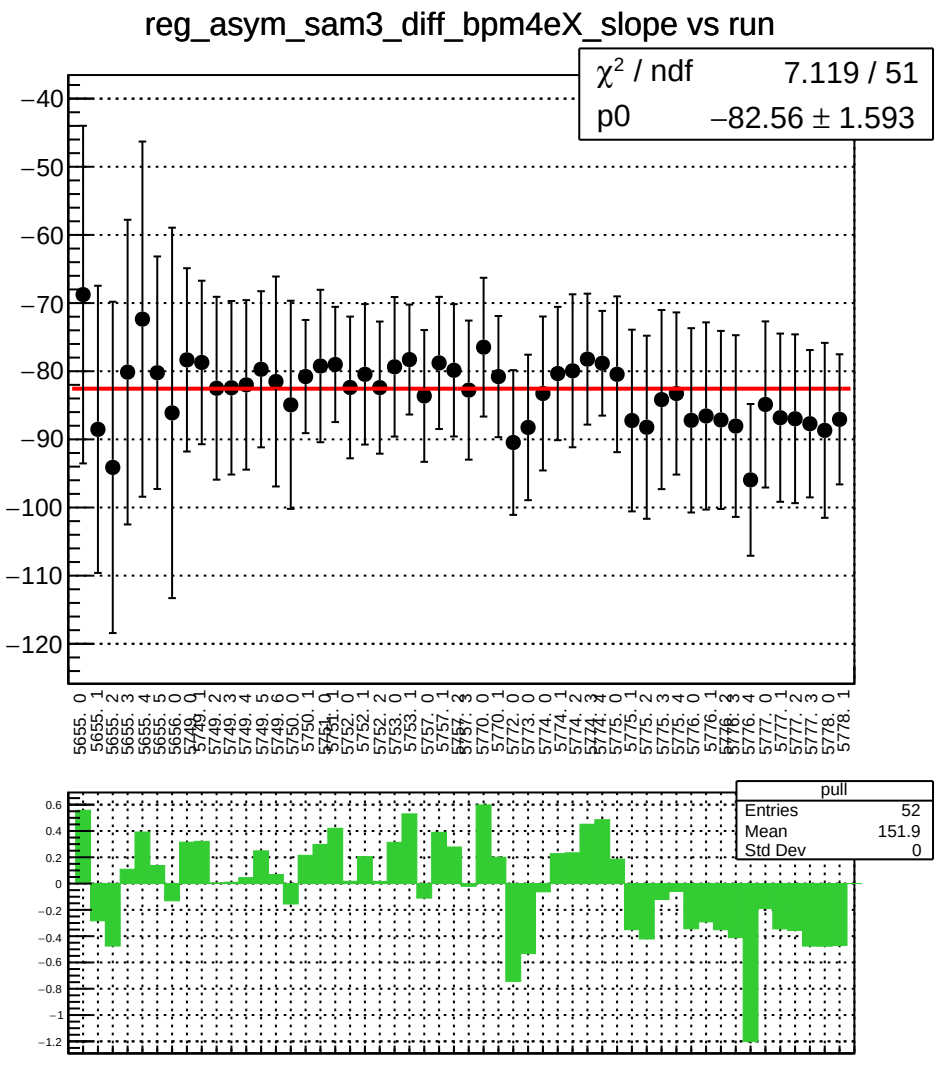

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 10.85 / 51
p0 2.165 ± 0.43
pull
Entries 52
Mean 267.2
Std Dev 0

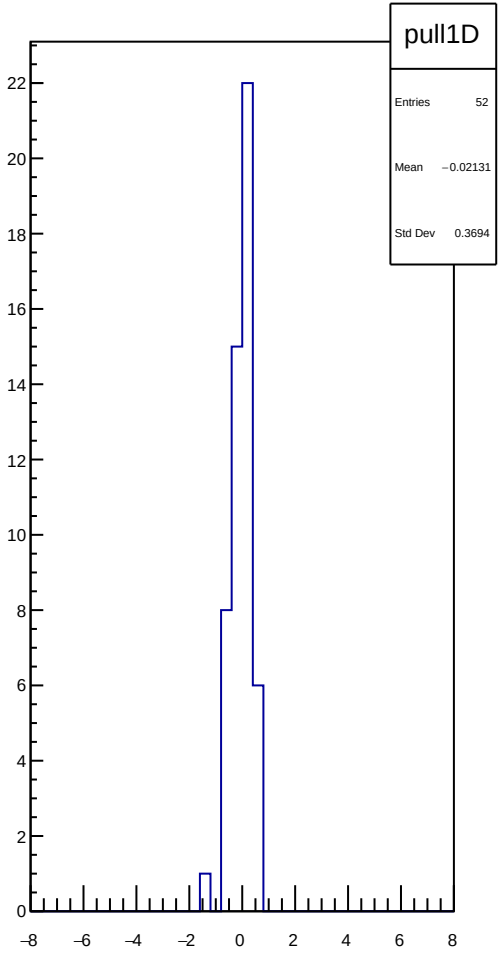

pull1D
Entries 52
Mean 0.01404
Std Dev 0.4567

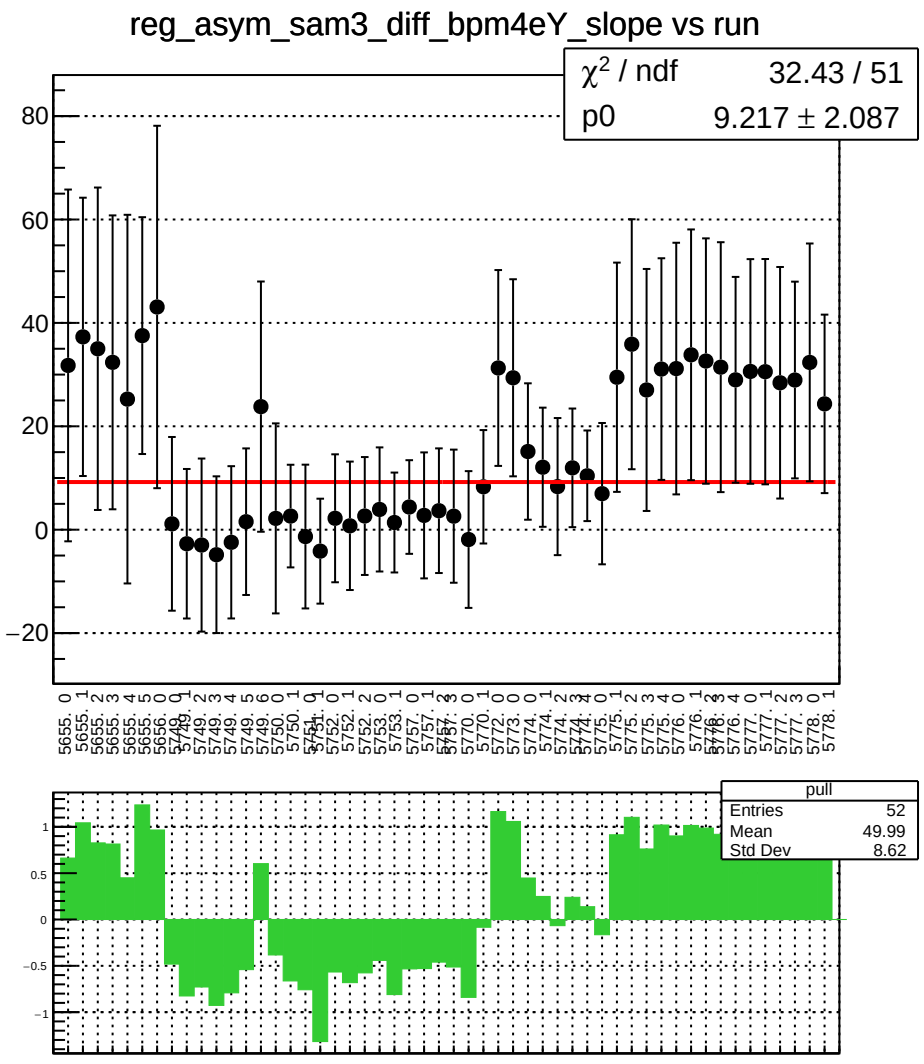

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 4.243 / 51
p0 −23.2 ± 1.046
pull
Entries 52
Mean −29.11
Std Dev 0
pull1D
Entries 52
Mean −0.03756
Std Dev 0.2832

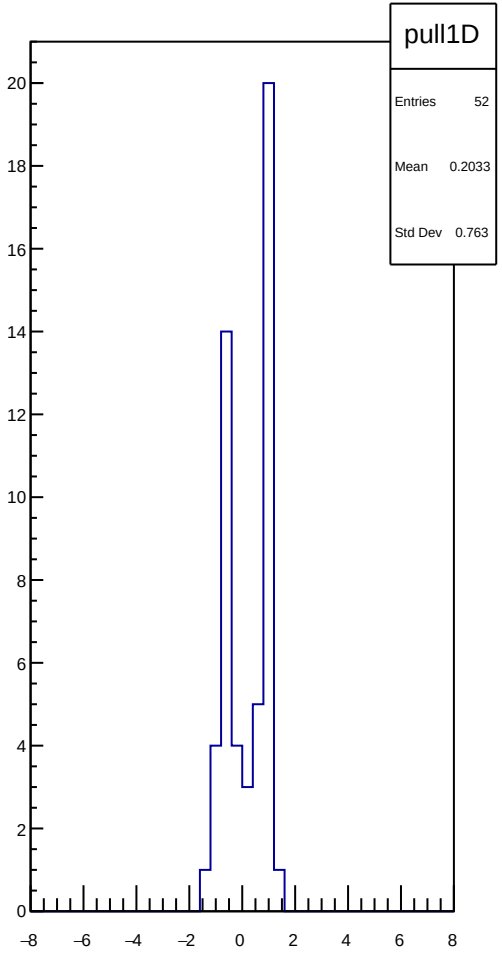

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 34.17 / 51
p0 0.9777 ± 1.954
pull
Entries 52
Mean 52.59
Std Dev 0

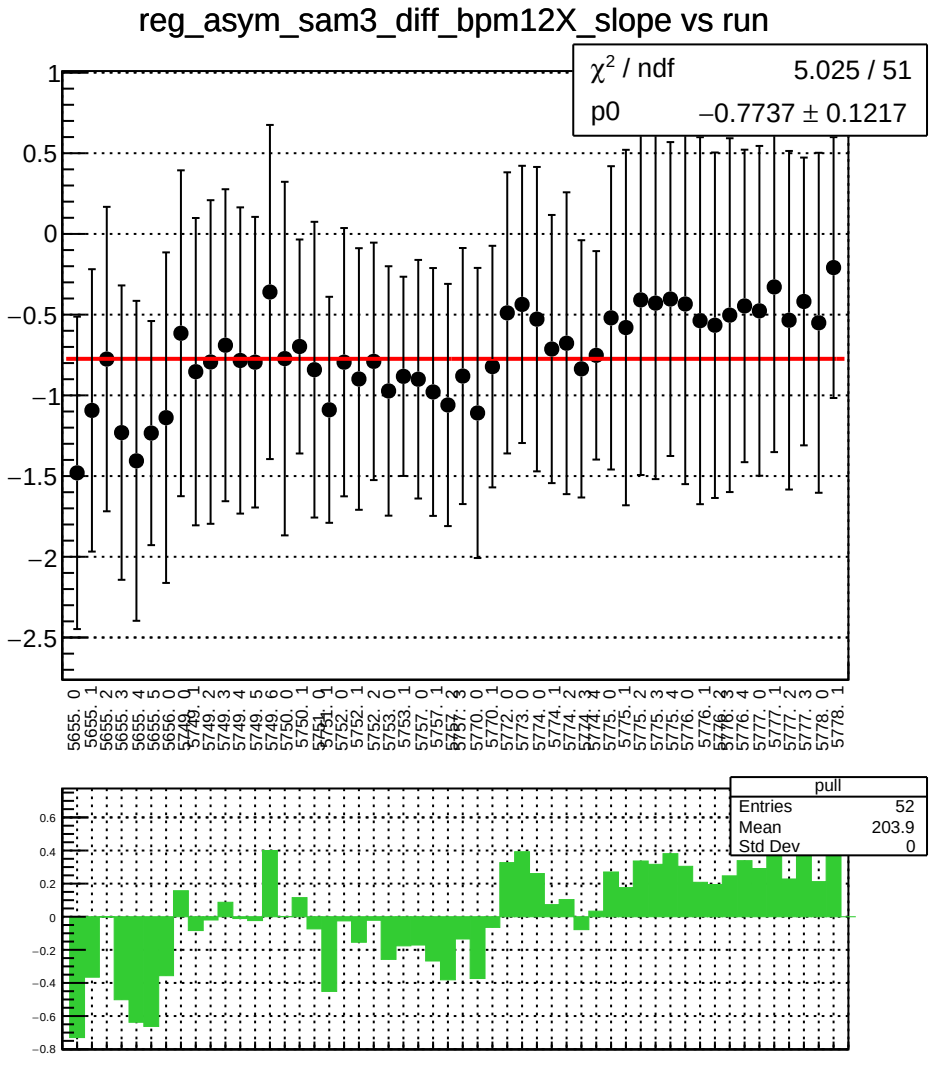

pull1D
Entries 52
Mean −0.2239
Std Dev 0.7791

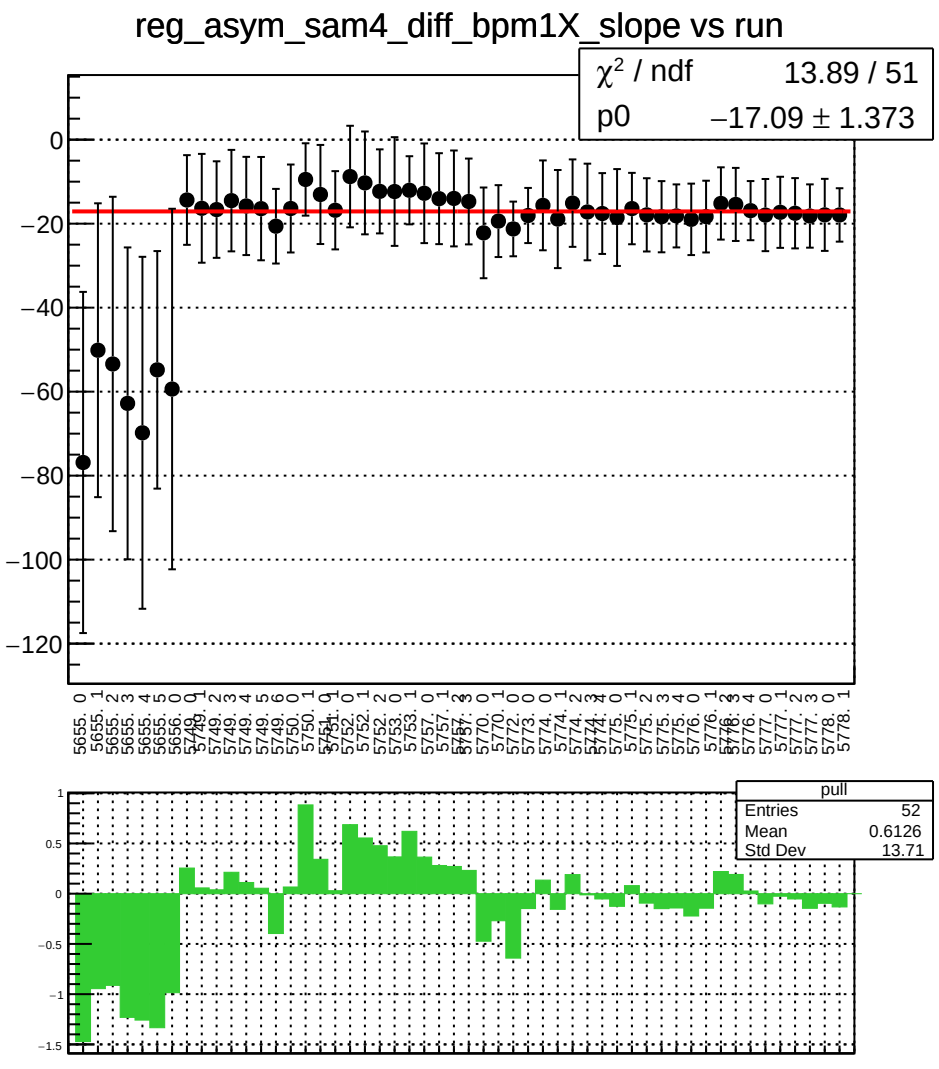

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 7.119 / 51
p0 −82.56 ± 1.593
pull
Entries 52
Mean 151.9
Std Dev 0

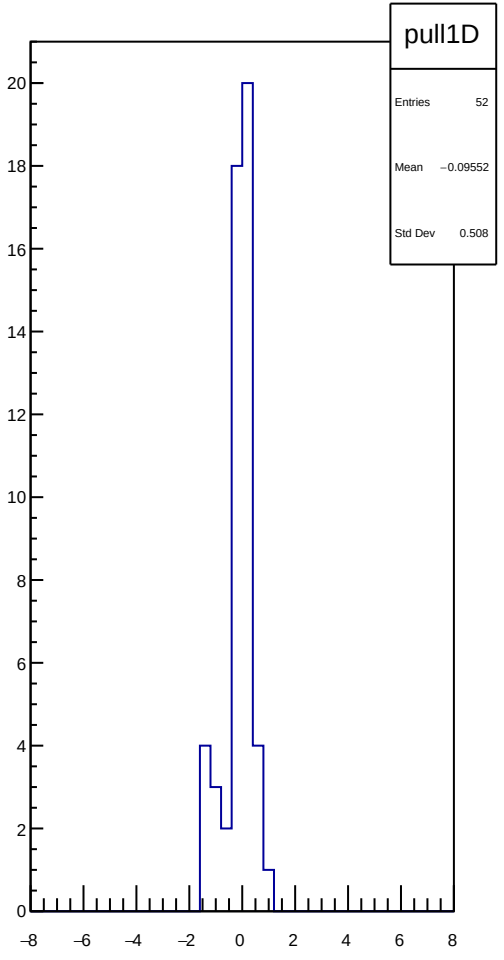

pull1D
Entries 52
Mean −0.02131
Std Dev 0.3694

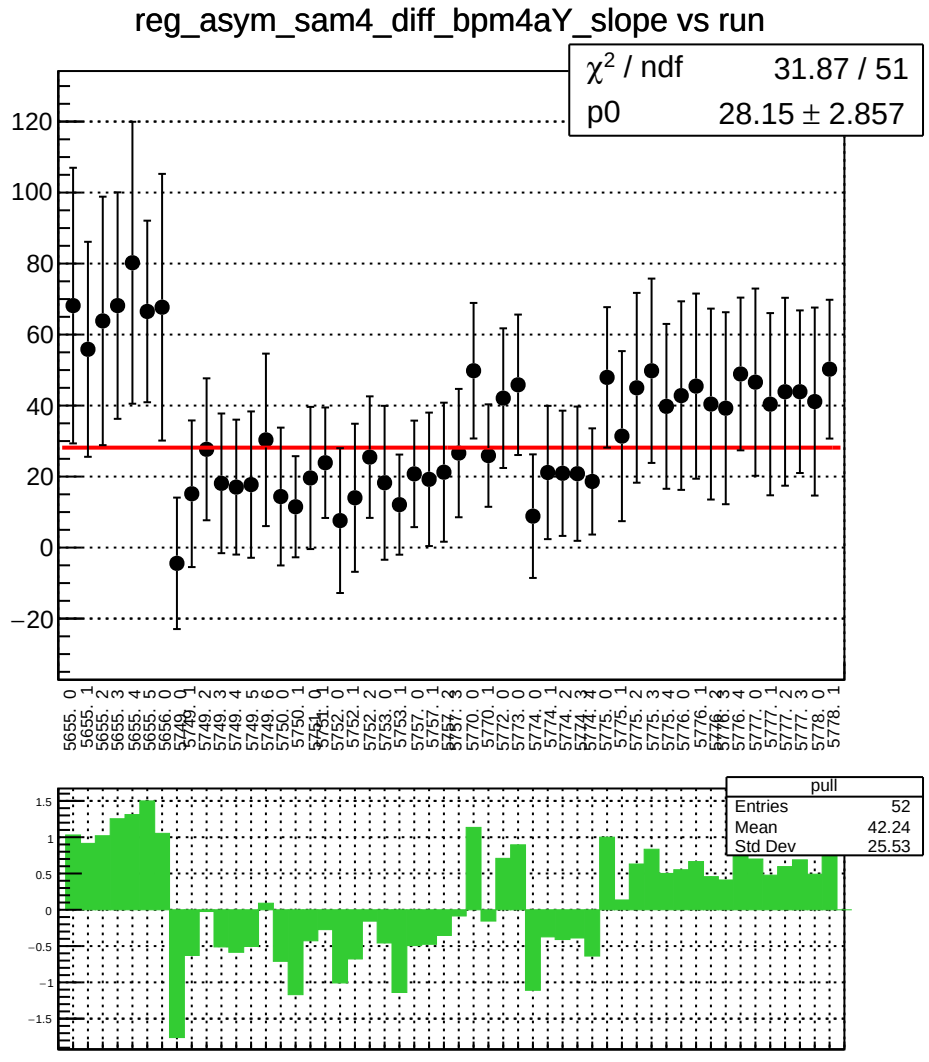

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 32.43 / 51
p0 9.217 ± 2.087
pull
Entries 52
Mean 49.99
Std Dev 8.62

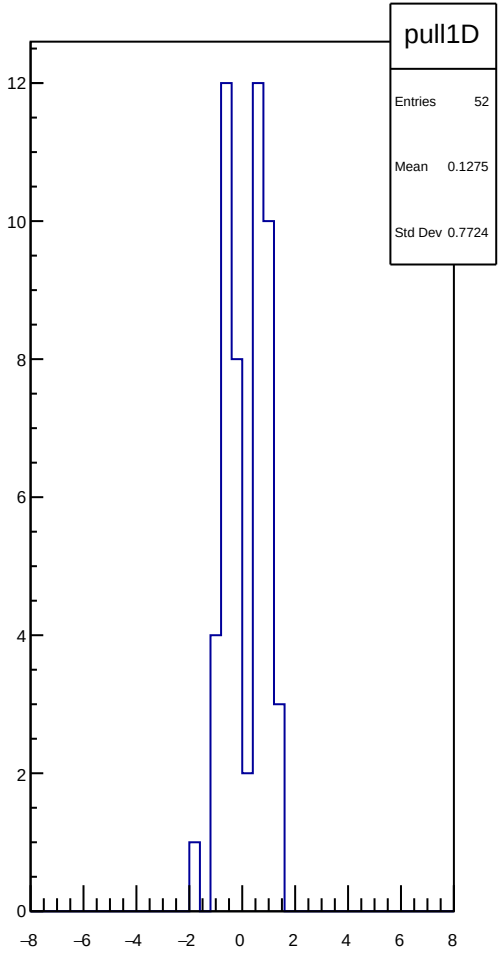

pull1D
Entries 52
Mean 0.2033
Std Dev 0.763

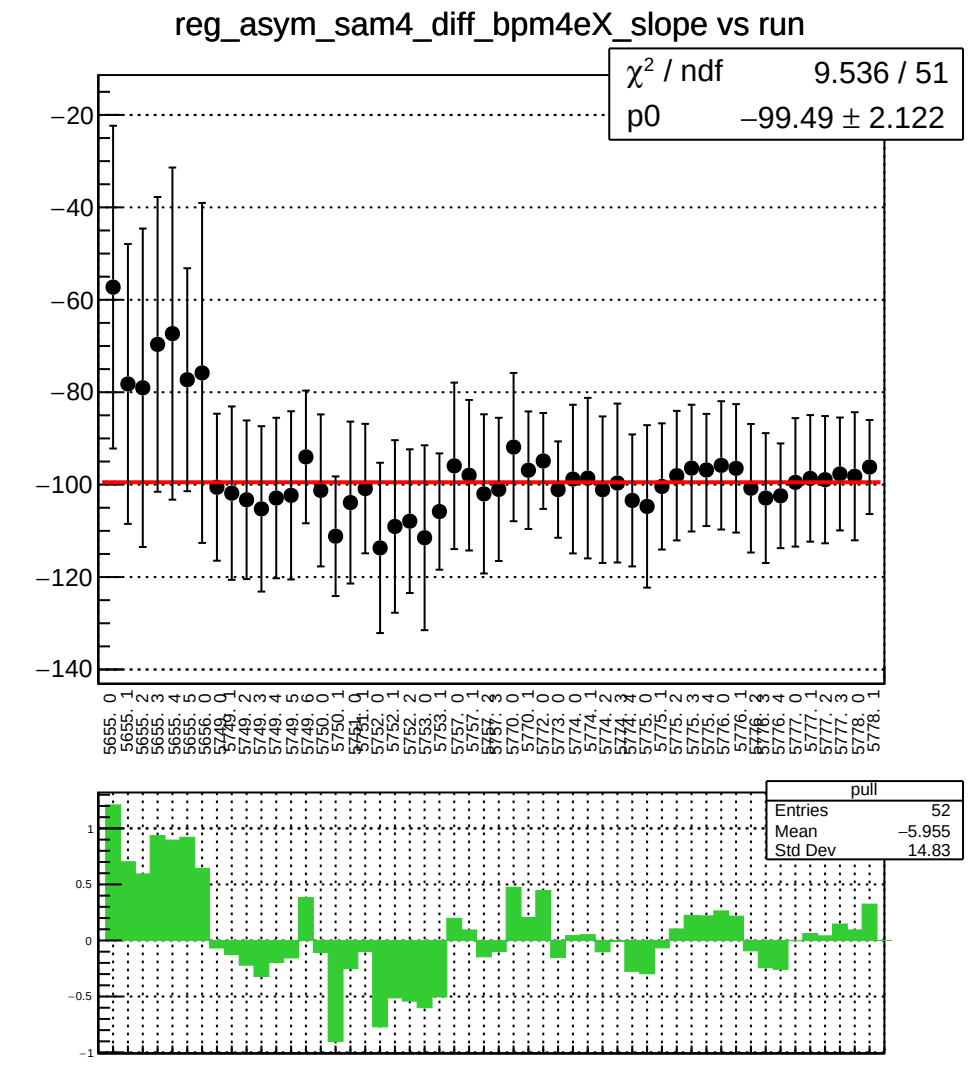

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 5.025 / 51
p0 −0.7737 ± 0.1217
pull
Entries 52
Mean 203.9
Std Dev 0
pull1D
Entries 52
Mean 0.01864
Std Dev 0.3103

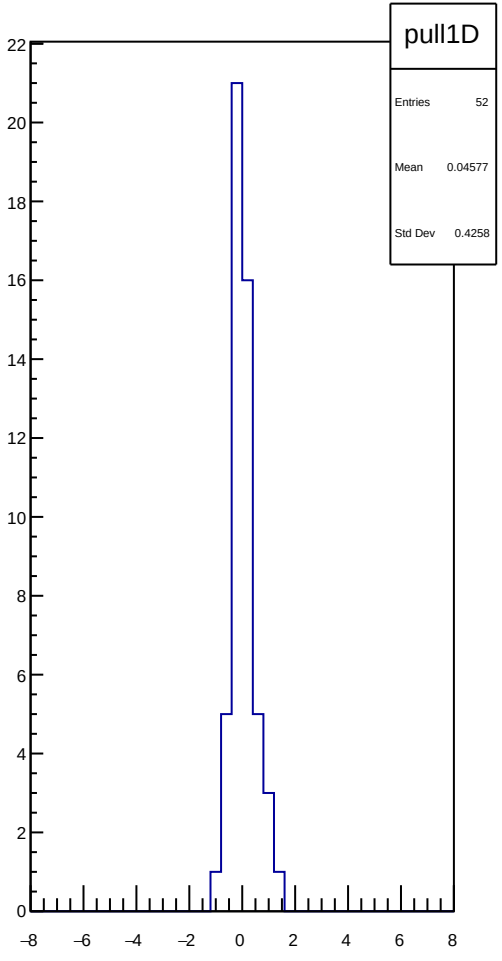

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 13.89 / 51
p0 −17.09 ± 1.373
pull
Entries 52
Mean 0.6126
Std Dev 13.71

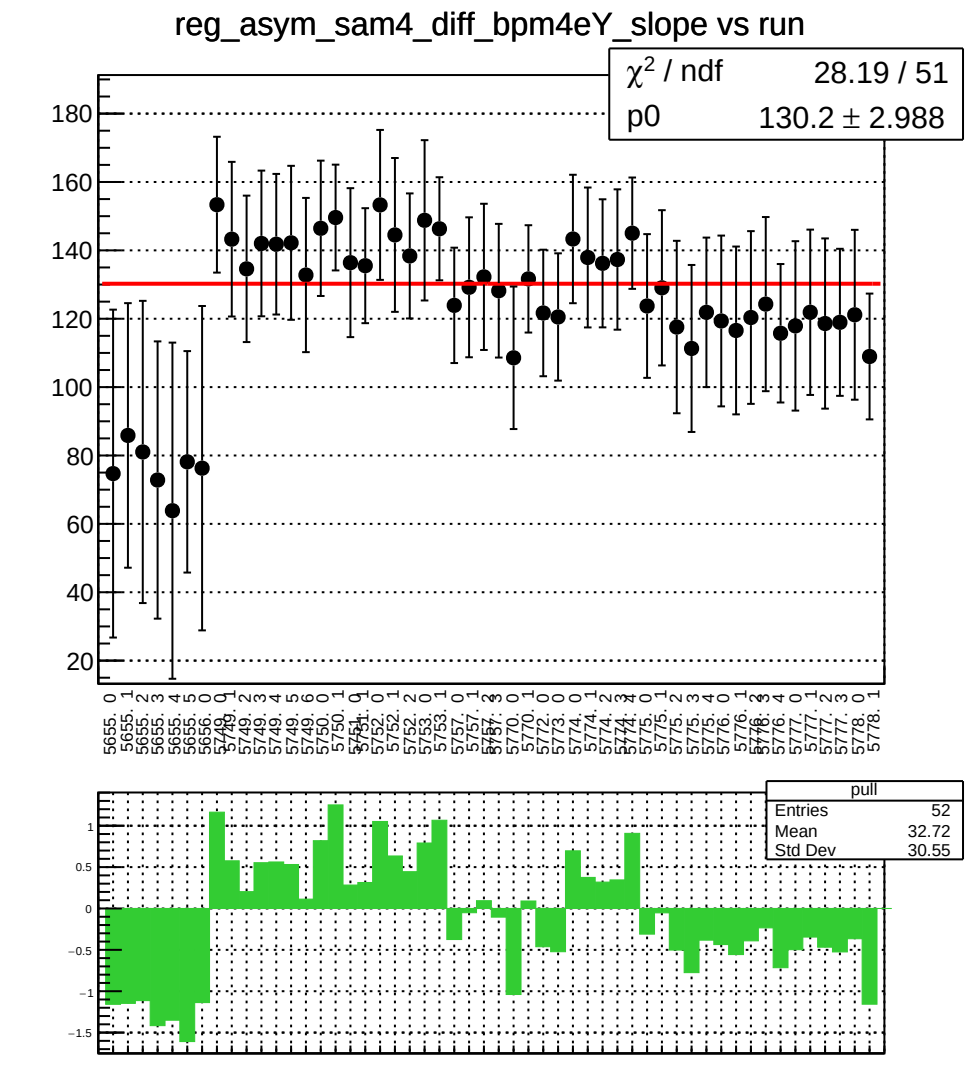

pull1D
Entries 52
Mean −0.09552
Std Dev 0.508

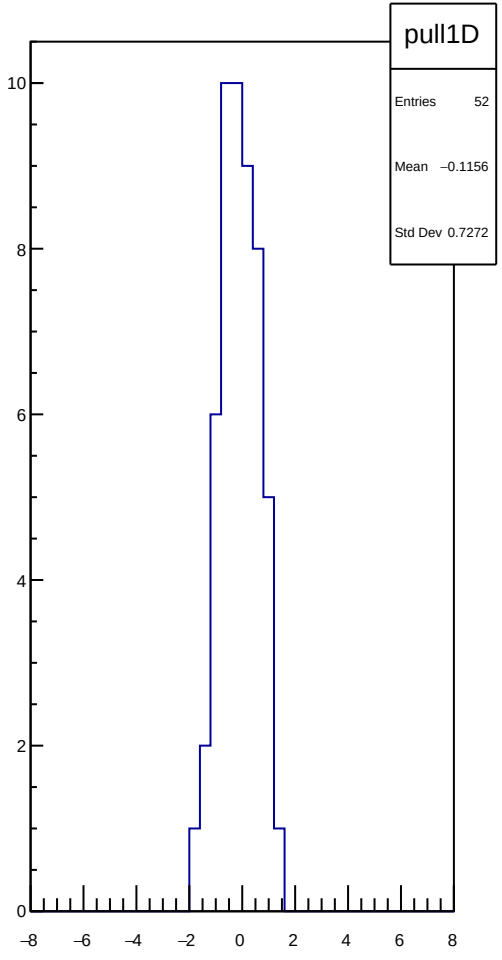

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 31.87 / 51
p0 28.15 ± 2.857
pull
Entries 52
Mean 42.24
Std Dev 25.53

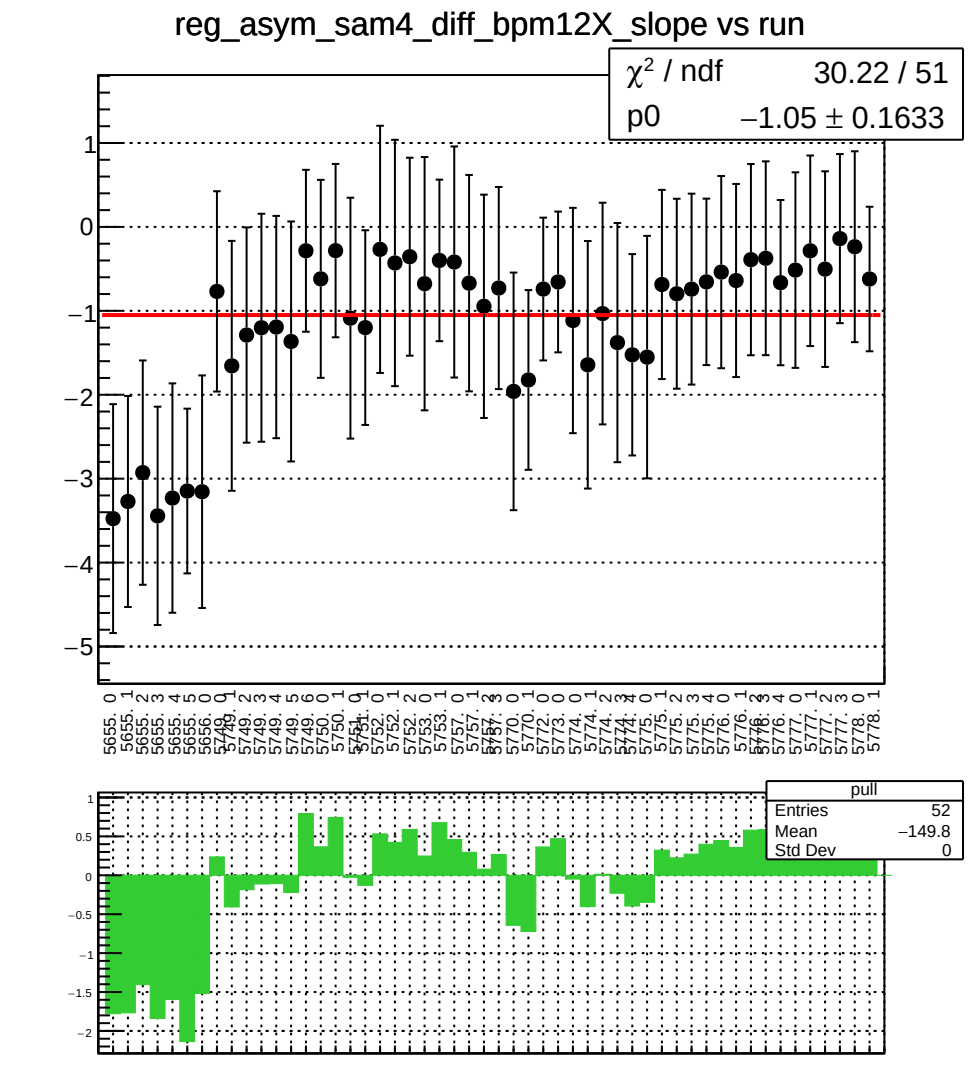

pull1D
Entries 52
Mean 0.1275
Std Dev 0.7724

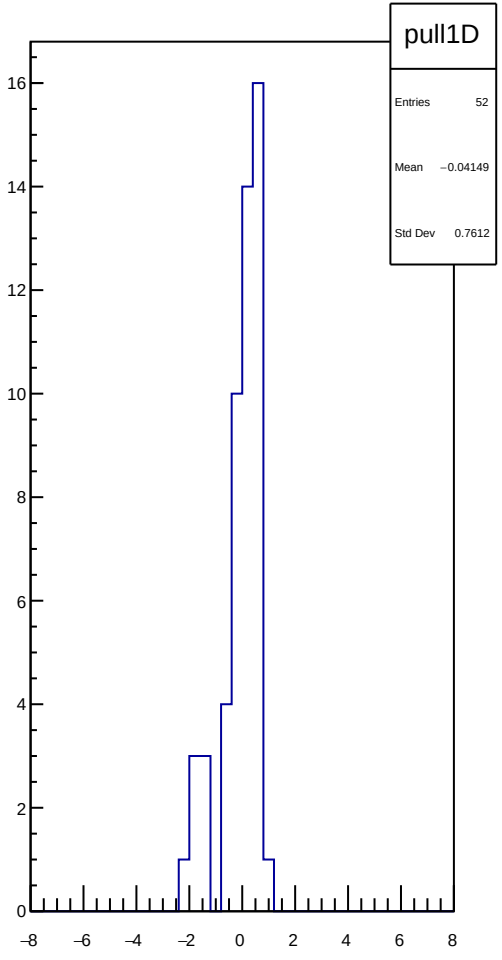

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 9.536 / 51
p0 −99.49 ± 2.122
pull
Entries 52
Mean −5.955
Std Dev 14.83

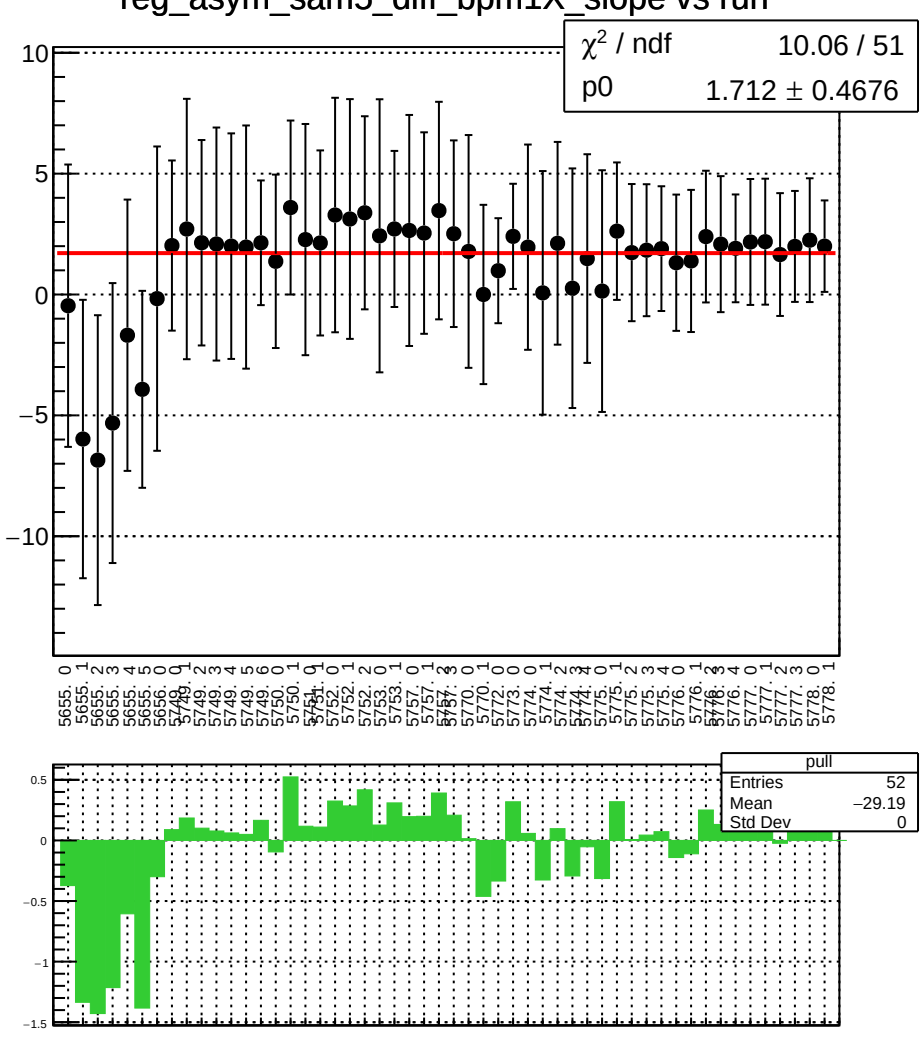

pull1D
Entries 52
Mean 0.04577
Std Dev 0.4258

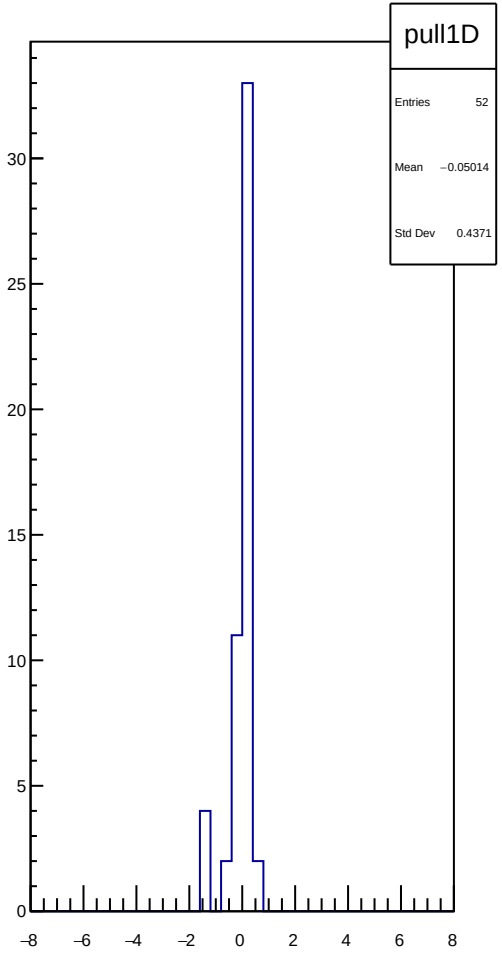

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 28.19 / 51
p0 130.2 ± 2.988
pull
Entries 52
Mean 32.72
Std Dev 30.55

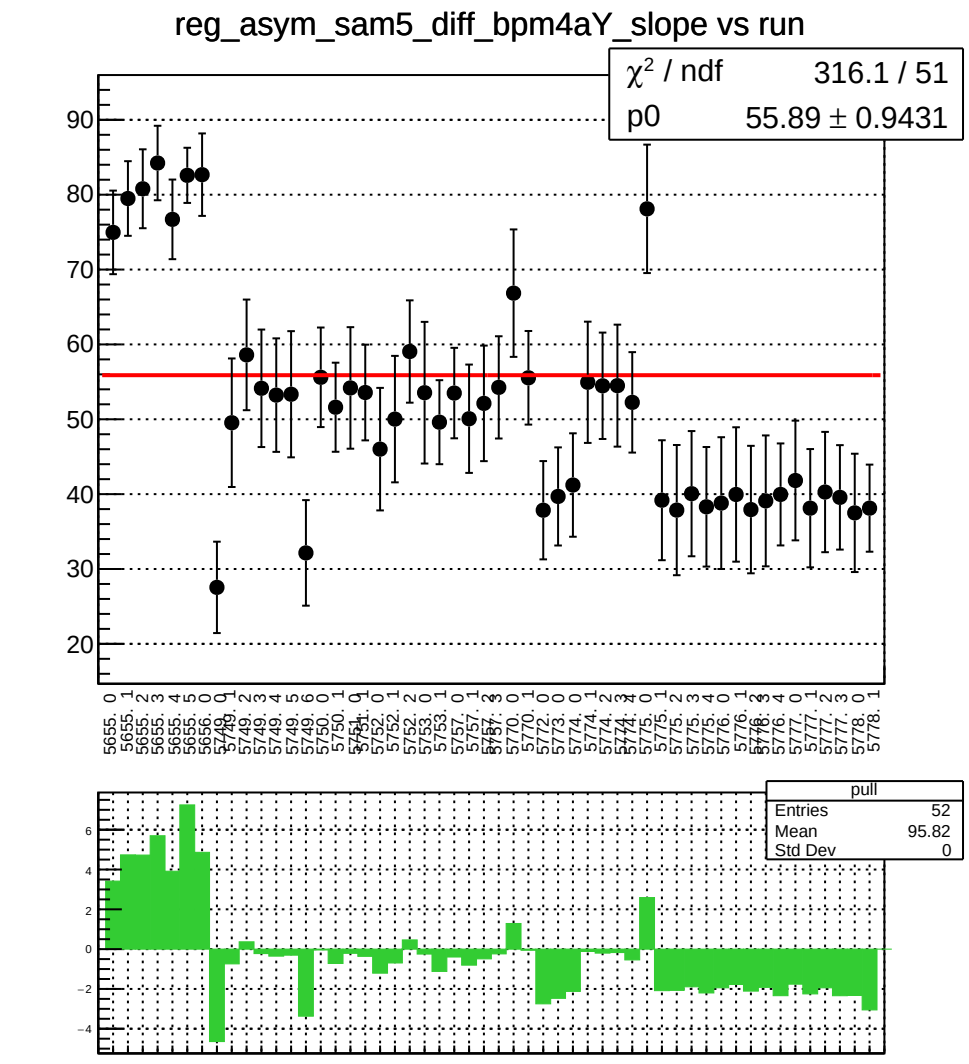

pull1D
Entries 52
Mean −0.1156
Std Dev 0.7272

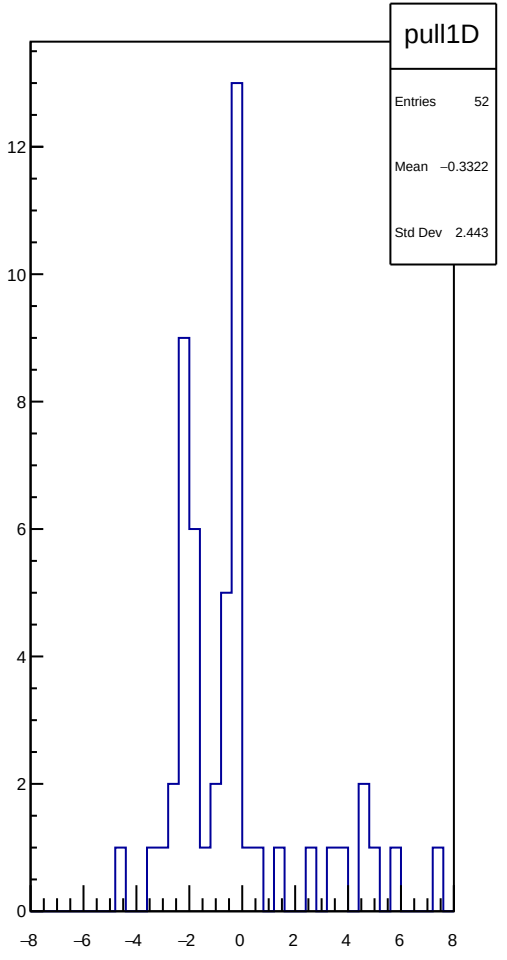

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 30.22 / 51
p0 −1.05 ± 0.1633
pull
Entries 52
Mean −149.8
Std Dev 0

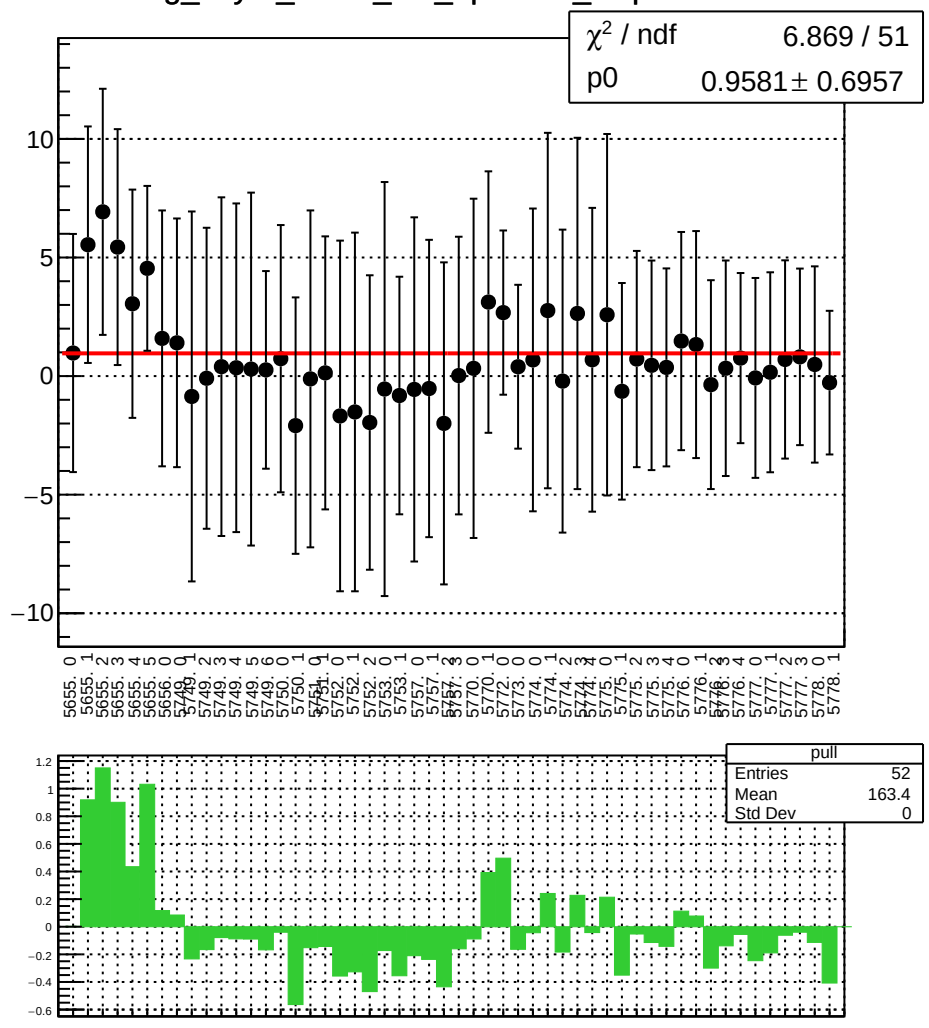

pull1D
Entries 52
Mean −0.04149
Std Dev 0.7612

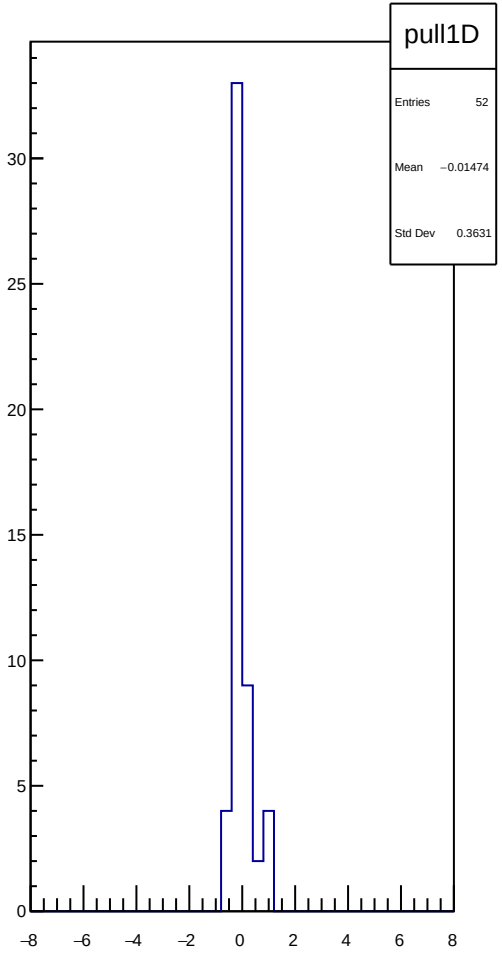

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 10.06 / 51
p0 1.712 ± 0.4676
pull
Entries 52
Mean −29.19
Std Dev 0

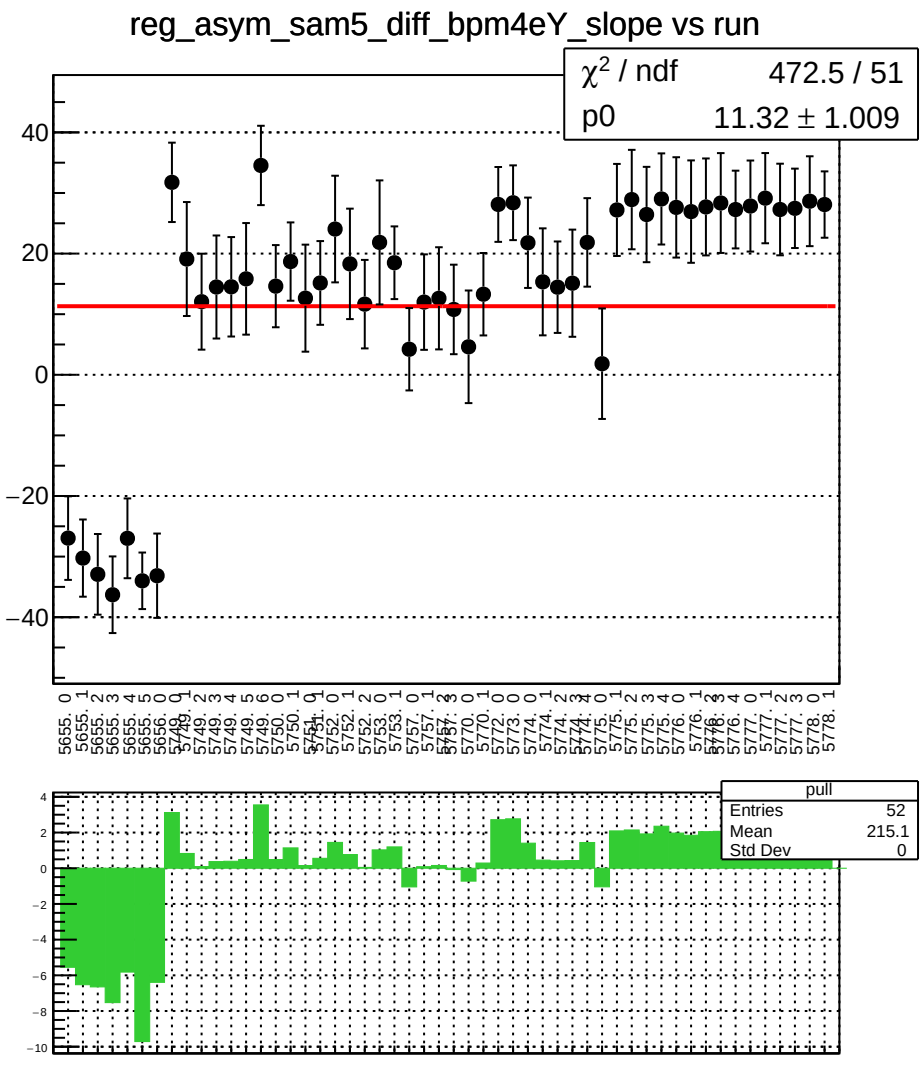

pull1D
Entries 52
Mean −0.05014
Std Dev 0.4371

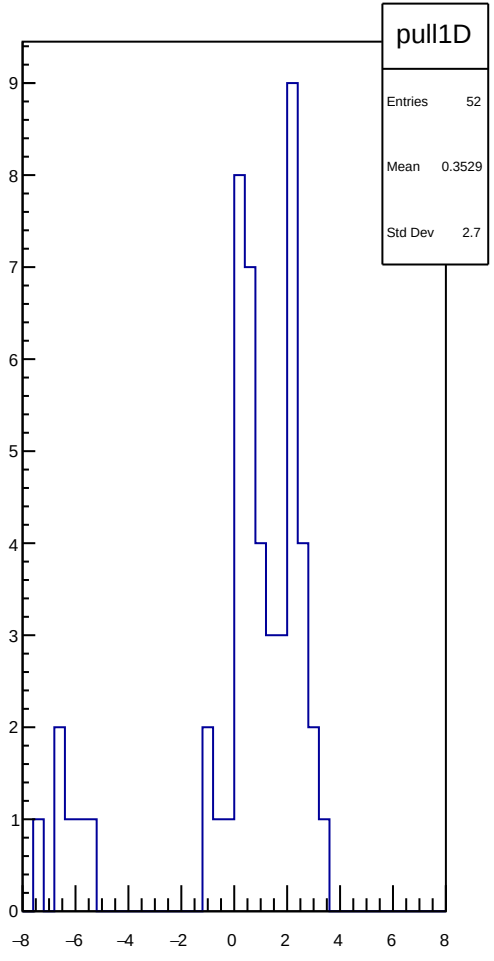

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 316.1 / 51
p0 55.89 ± 0.9431
pull
Entries 52
Mean 95.82
Std Dev 0

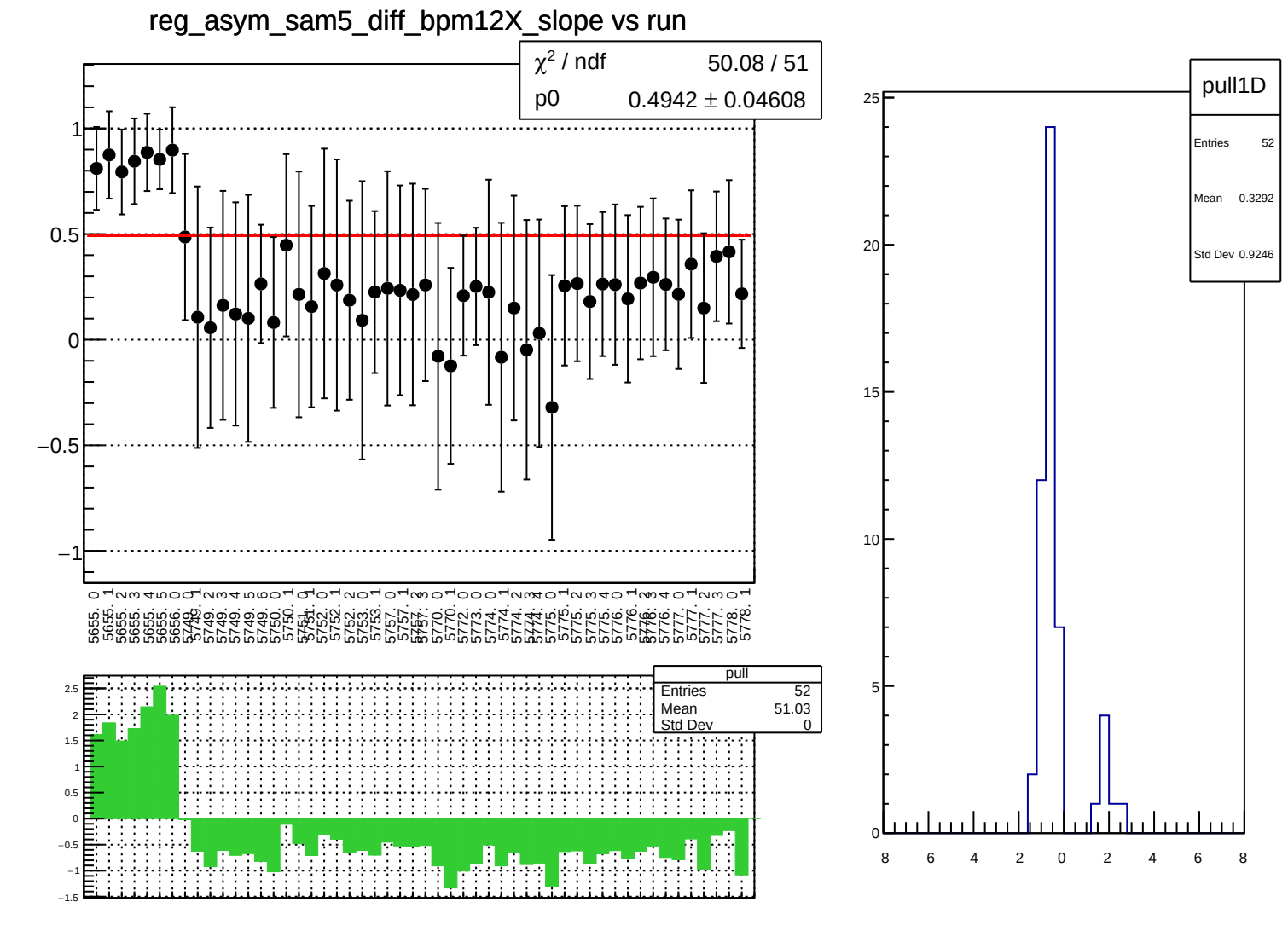

pull1D
Entries 52
Mean −0.3322
Std Dev 2.443

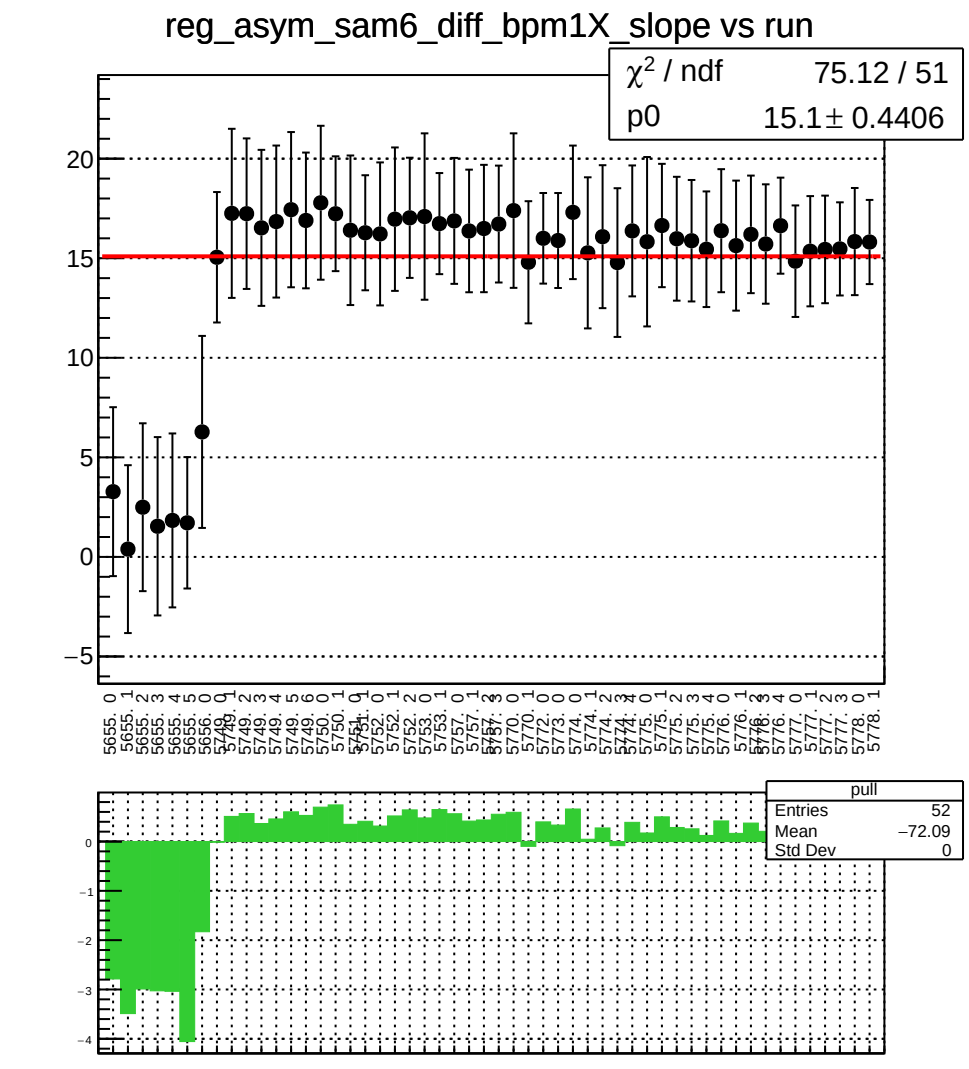

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 6.869 / 51
p0 0.9581± 0.6957
pull
Entries 52
Mean 163.4
Std Dev 0

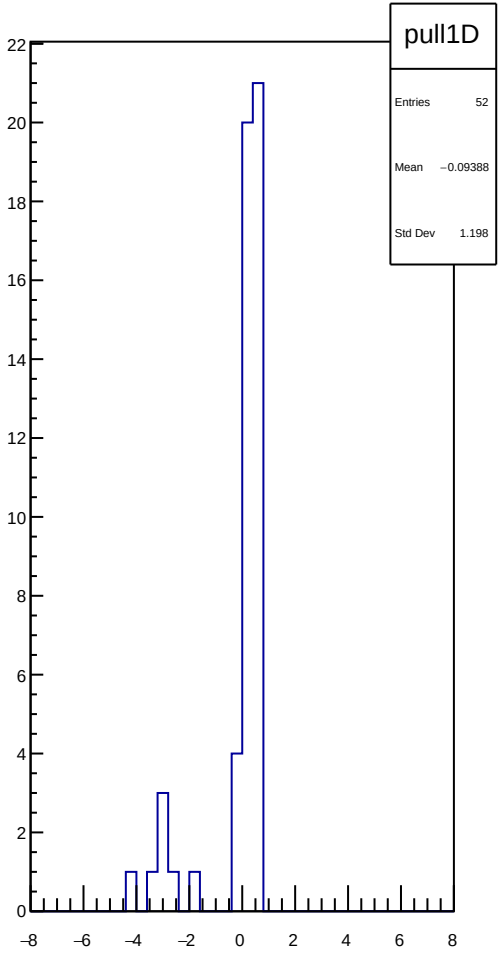

pull1D
Entries 52
Mean −0.01474
Std Dev 0.3631

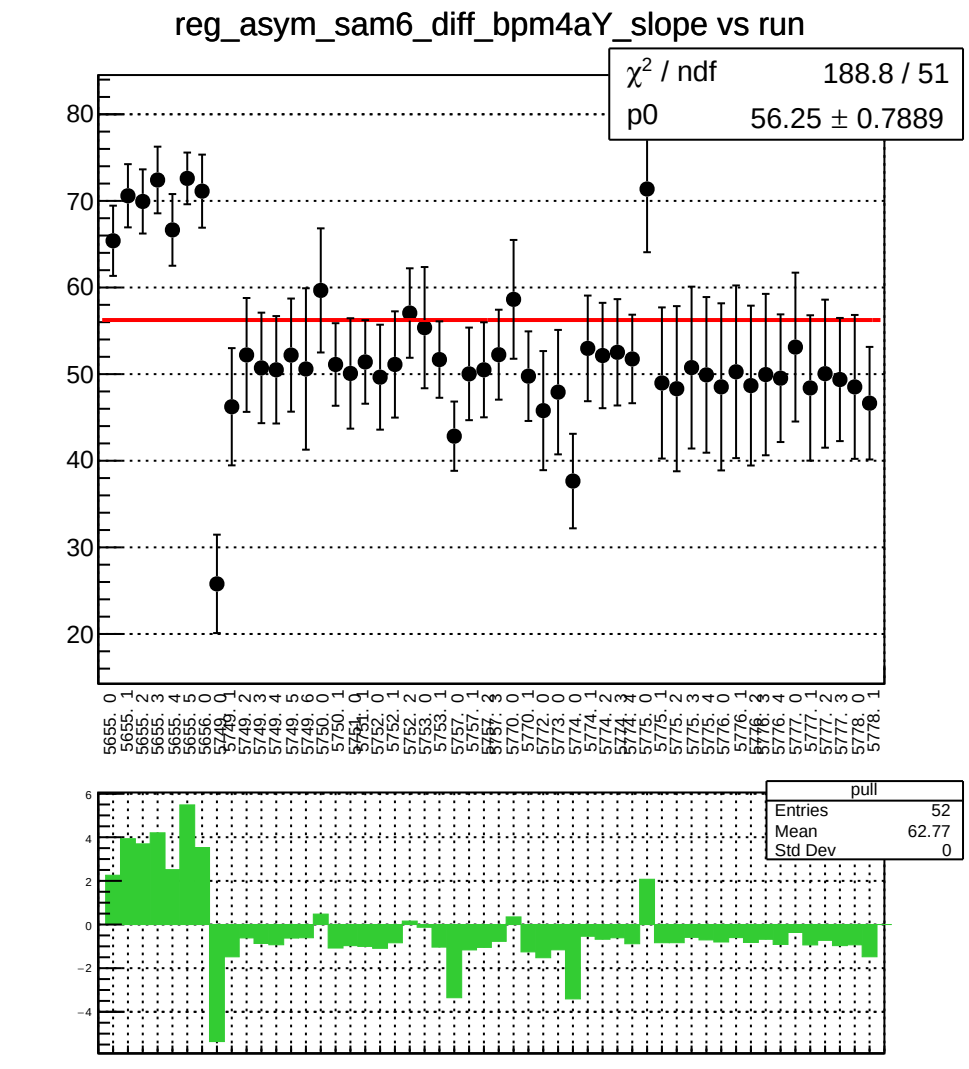

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 472.5 / 51
p0 11.32 ± 1.009
pull
Entries 52
Mean 215.1
Std Dev 0

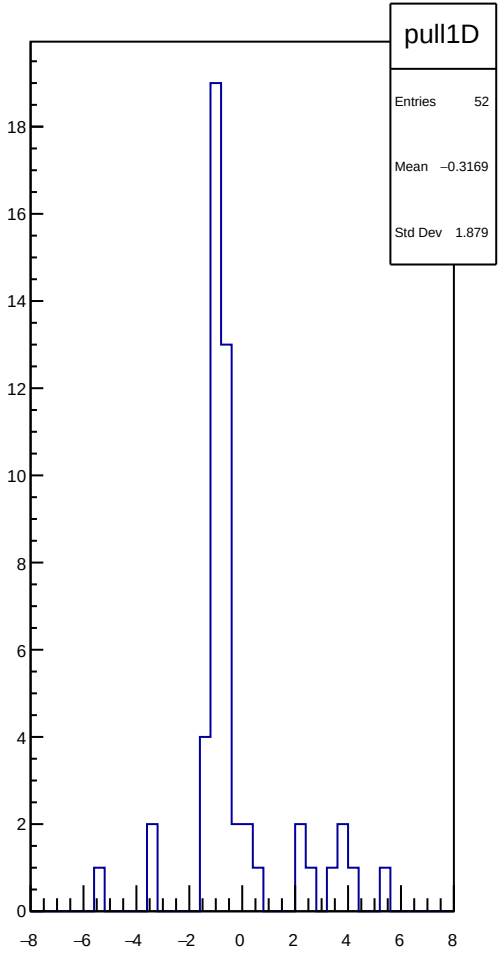

pull1D
Entries 52
Mean 0.3529
Std Dev 2.7

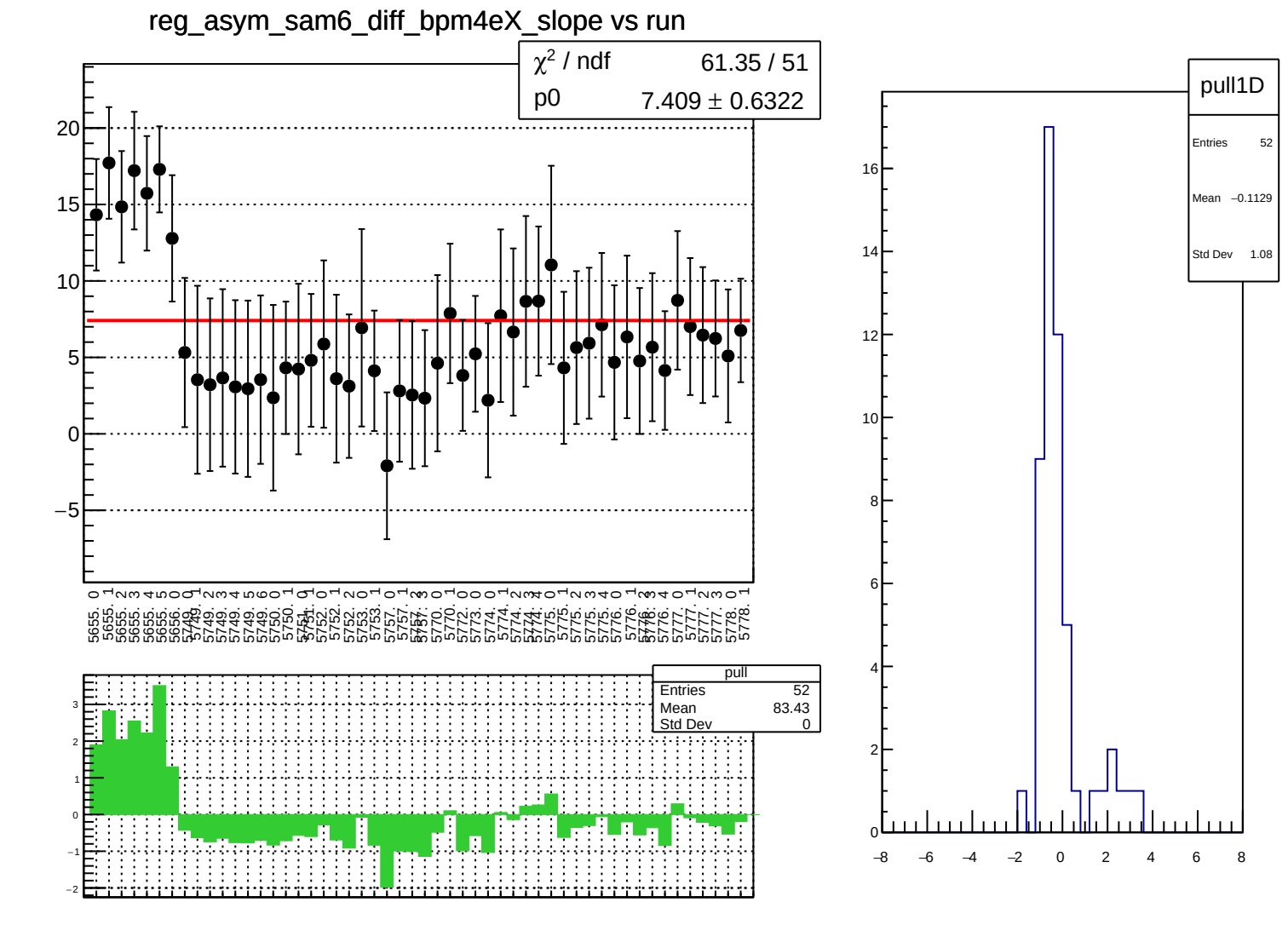

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 50.08 / 51
p0 0.4942 ± 0.04608
pull
Entries 52
Mean 51.03
Std Dev 0
pull1D
Entries 52
Mean −0.3292
Std Dev 0.9246

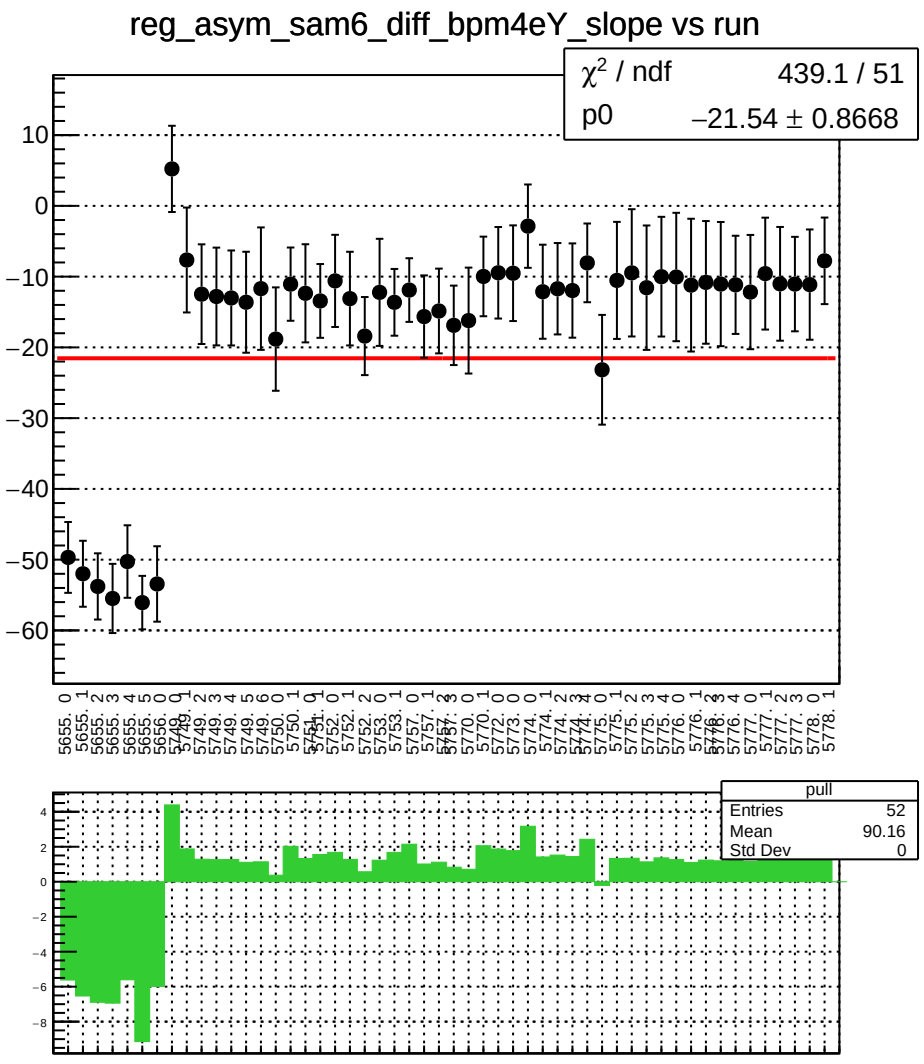

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 75.12 / 51
p0 15.1 ± 0.4406
pull
Entries 52
Mean −72.09
Std Dev 0

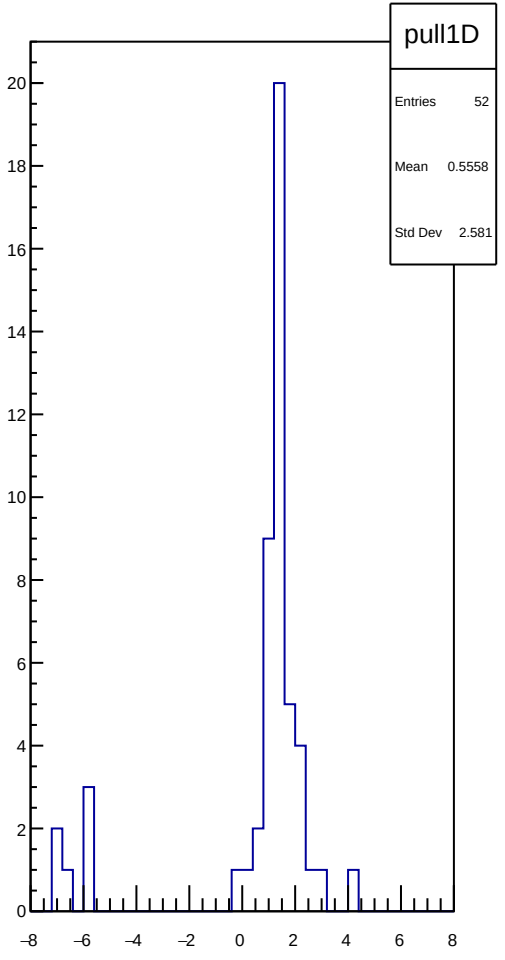

pull1D
Entries 52
Mean −0.09388
Std Dev 1.198

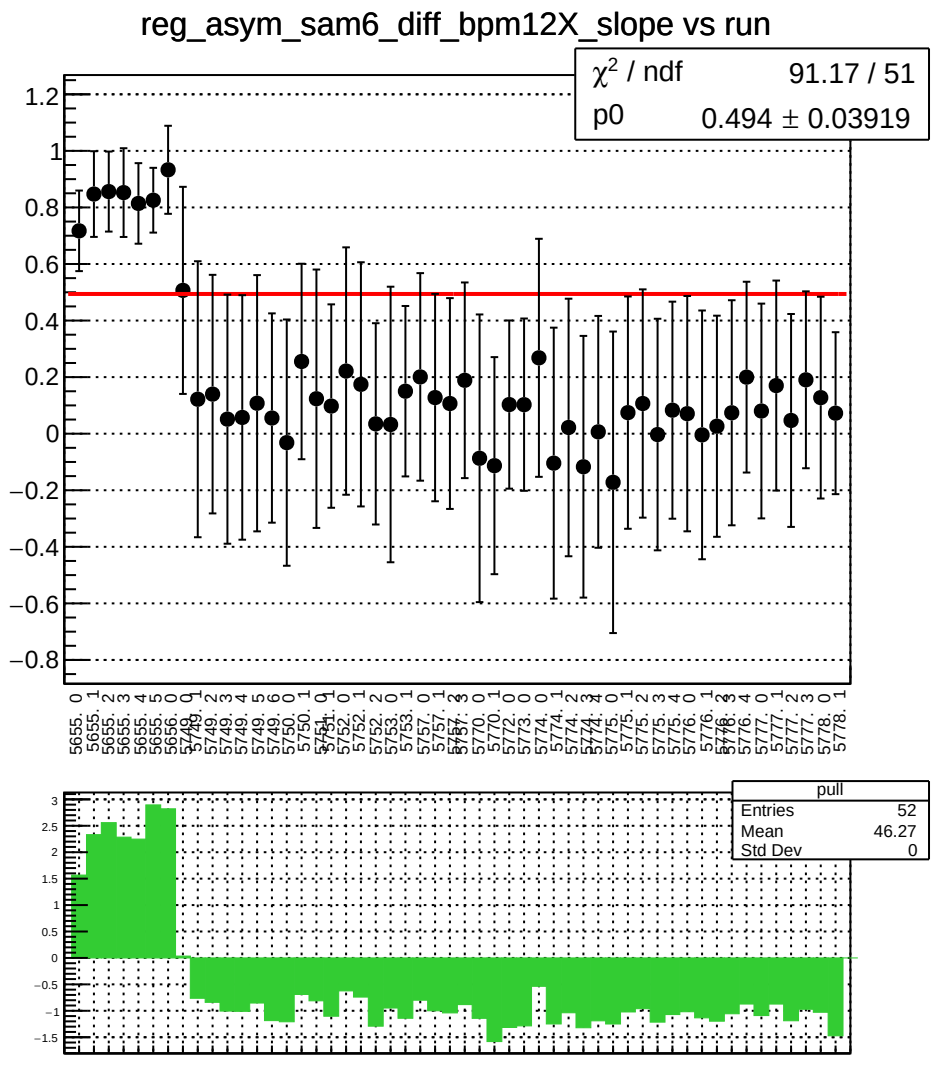

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 188.8 / 51
p0 56.25 ± 0.7889
pull
Entries 52
Mean 62.77
Std Dev 0

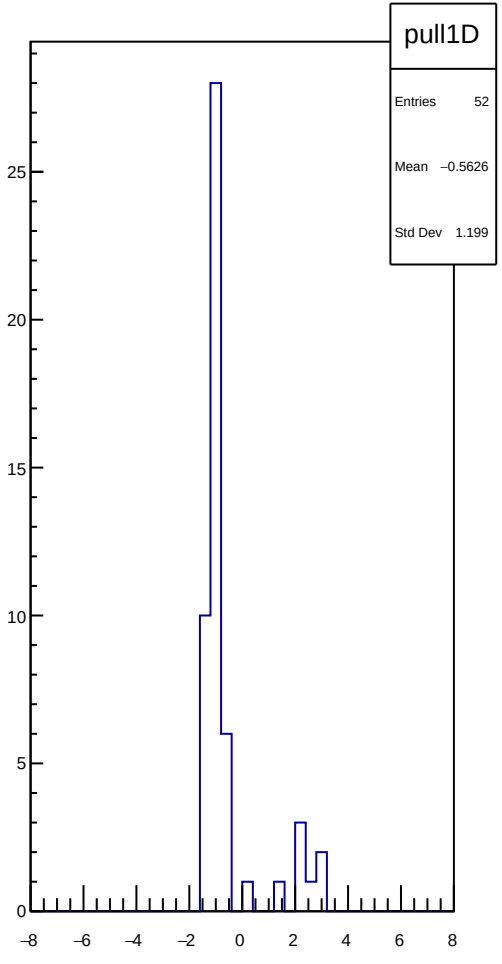

pull1D
Entries 52
Mean −0.3169
Std Dev 1.879

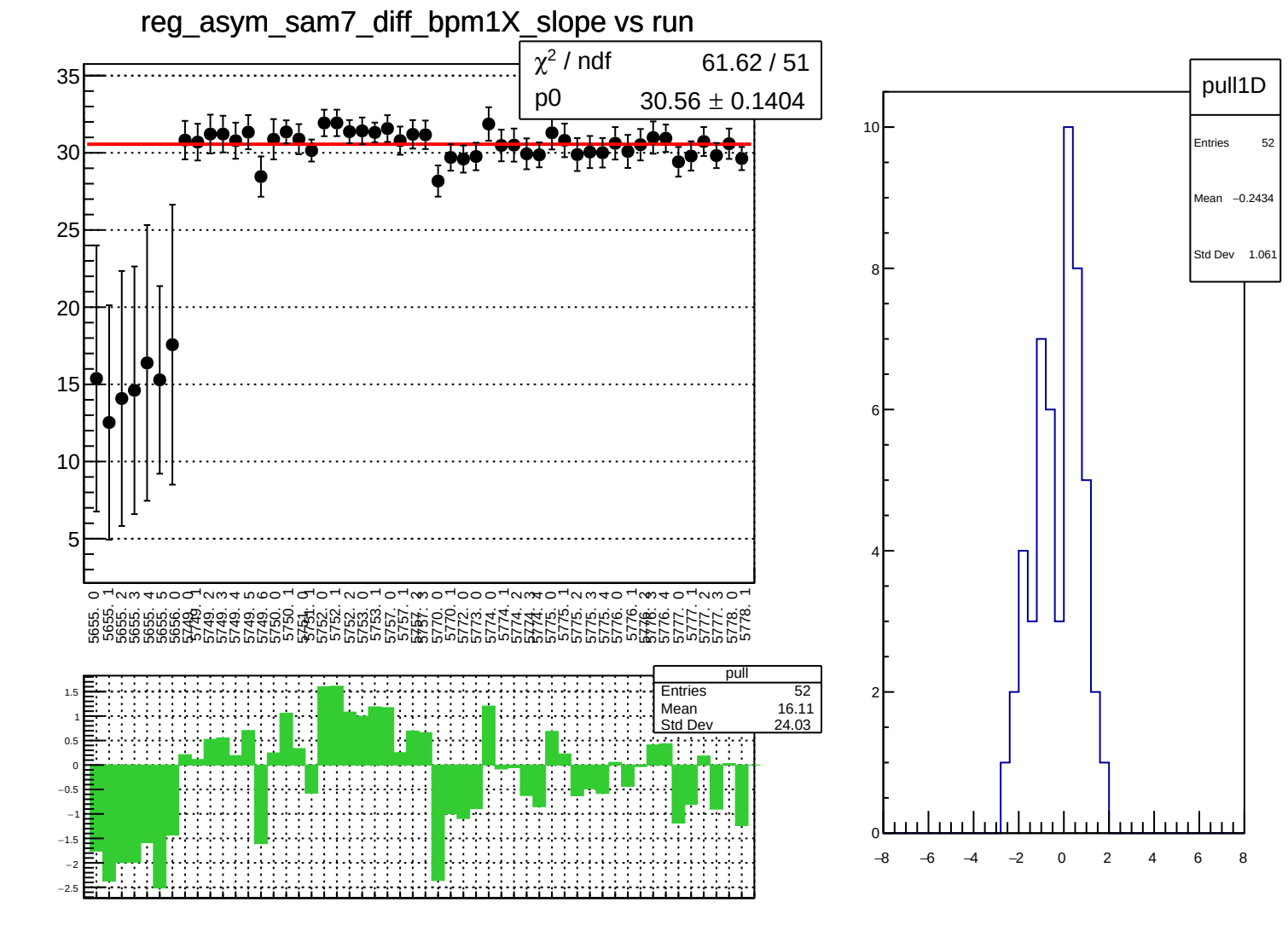

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 61.35 / 51
p0 7.409 ± 0.6322
pull
Entries 52
Mean 83.43
Std Dev 0
pull1D
Entries 52
Mean −0.1129
Std Dev 1.08

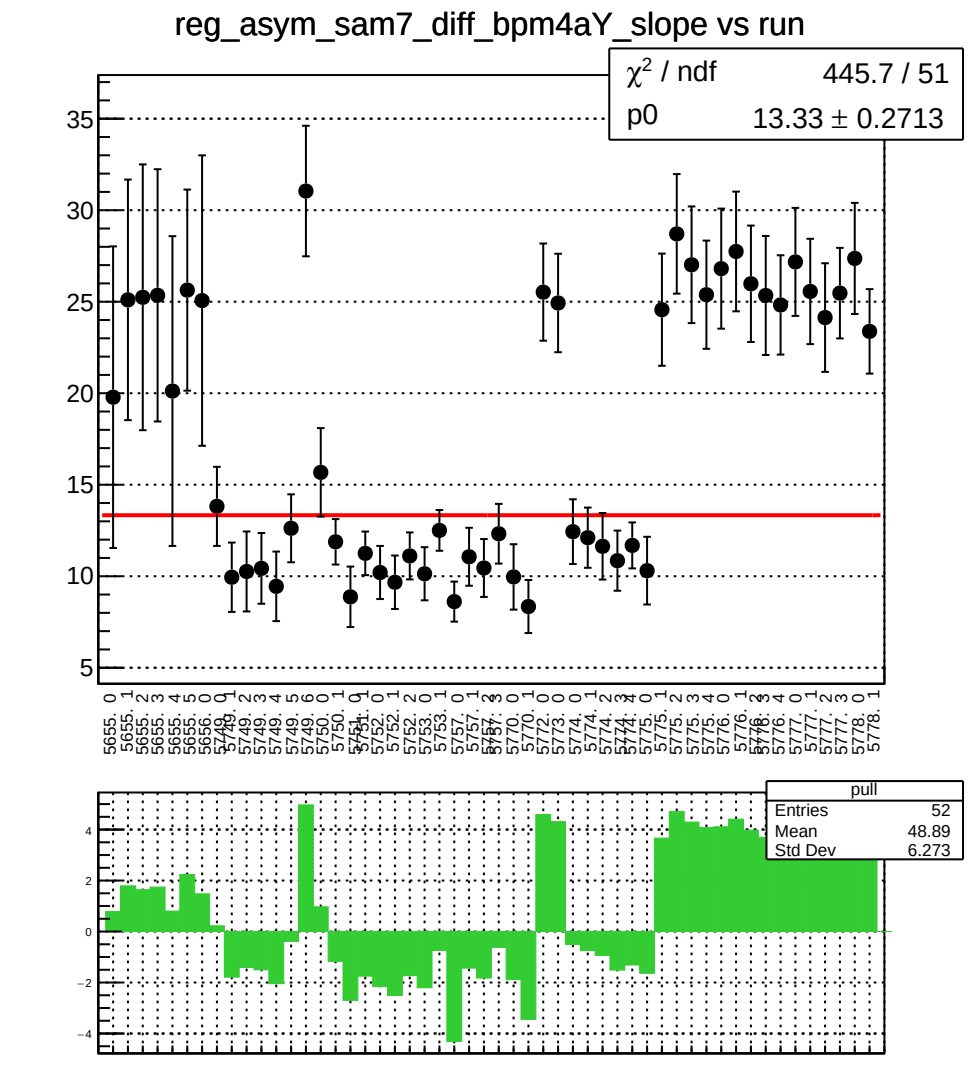

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 439.1 / 51
p0 −21.54 ± 0.8668
pull
Entries 52
Mean 90.16
Std Dev 0

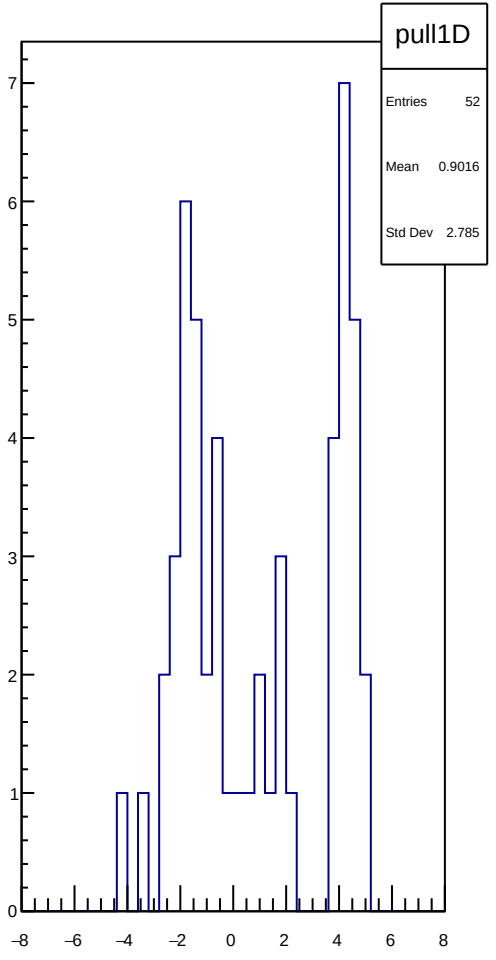

pull1D
Entries 52
Mean 0.5558
Std Dev 2.581

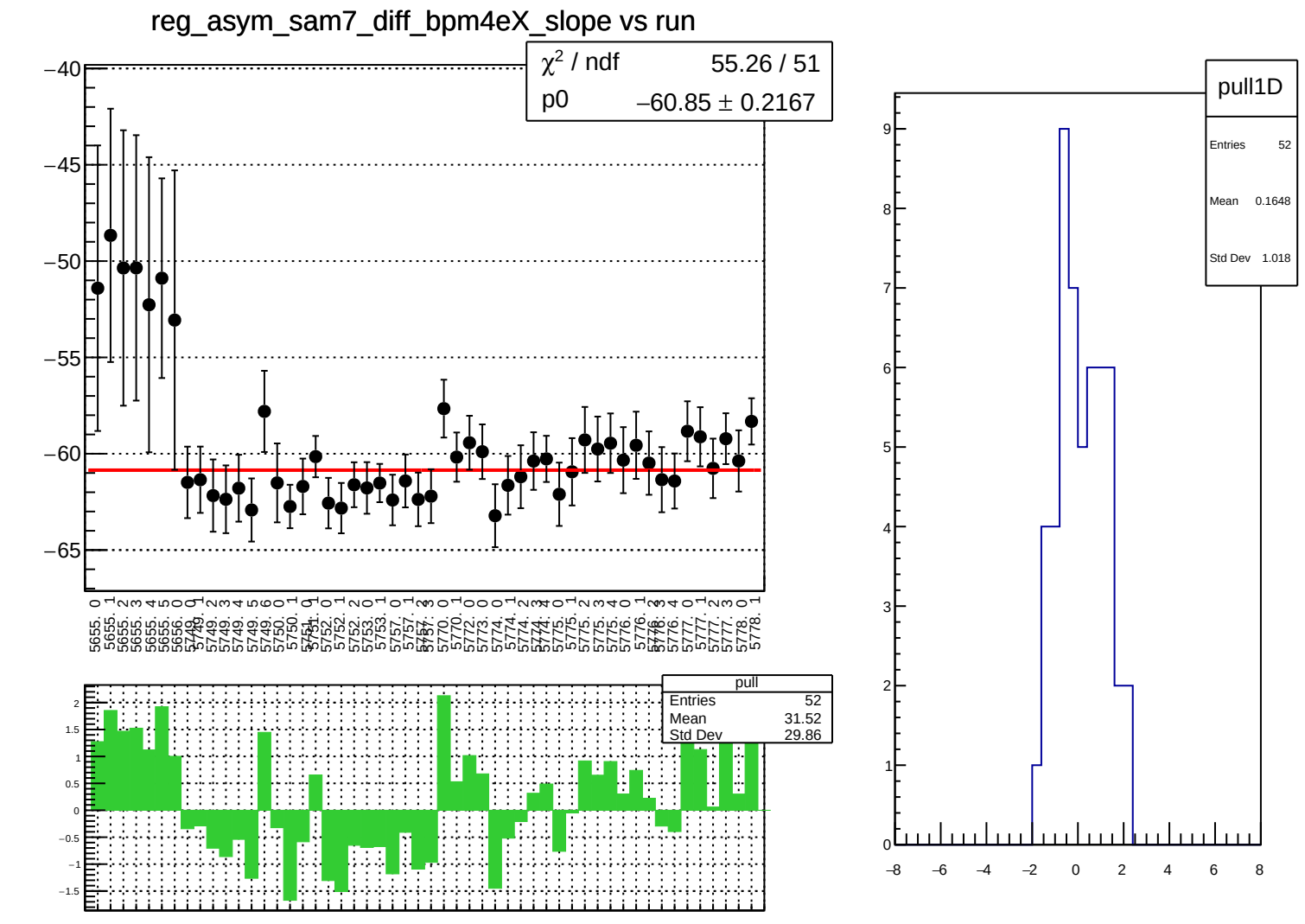

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 91.17 / 51
p0 0.494 ± 0.03919
pull
Entries 52
Mean 46.27
Std Dev 0

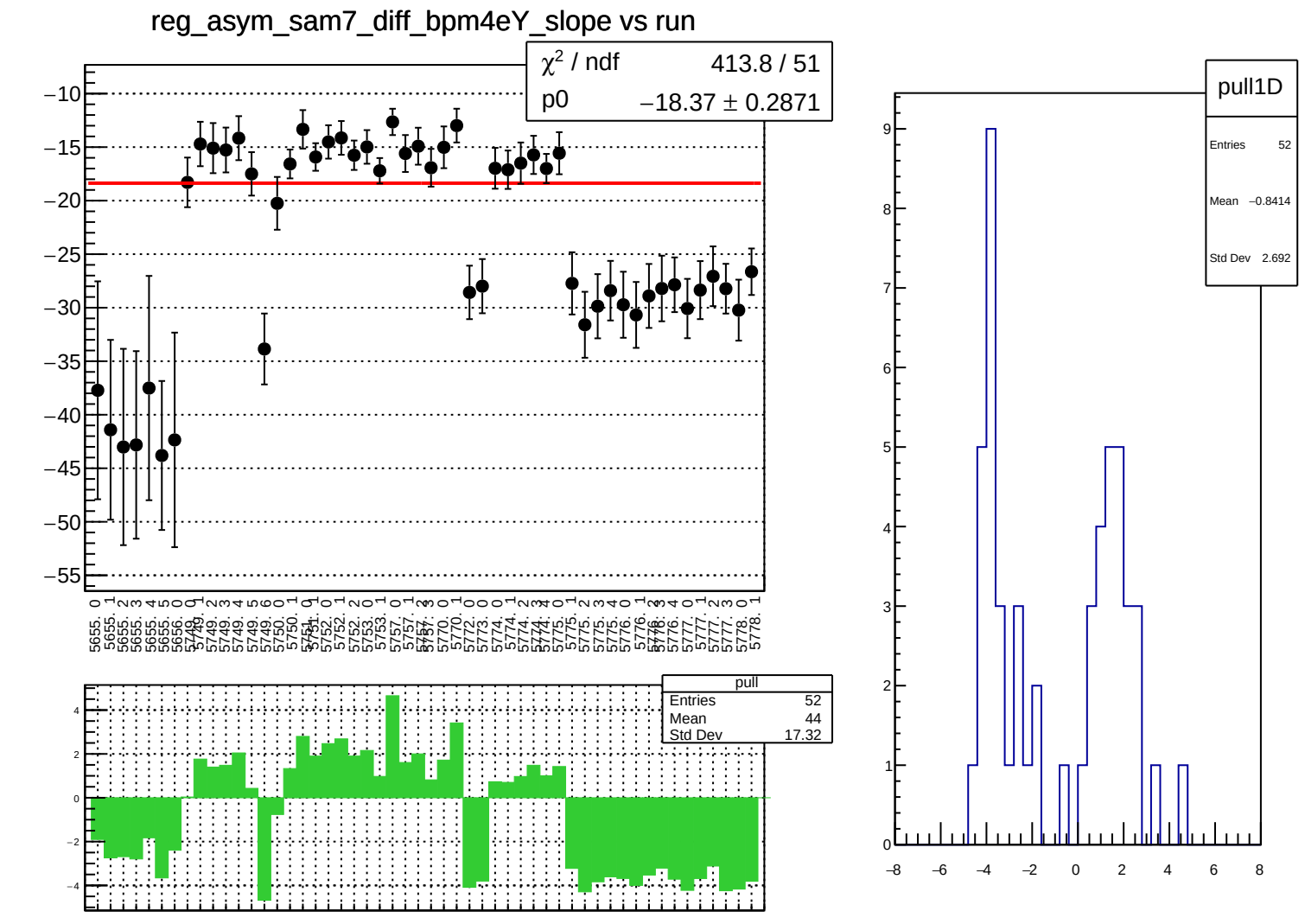

pull1D
Entries 52
Mean −0.5626
Std Dev 1.199

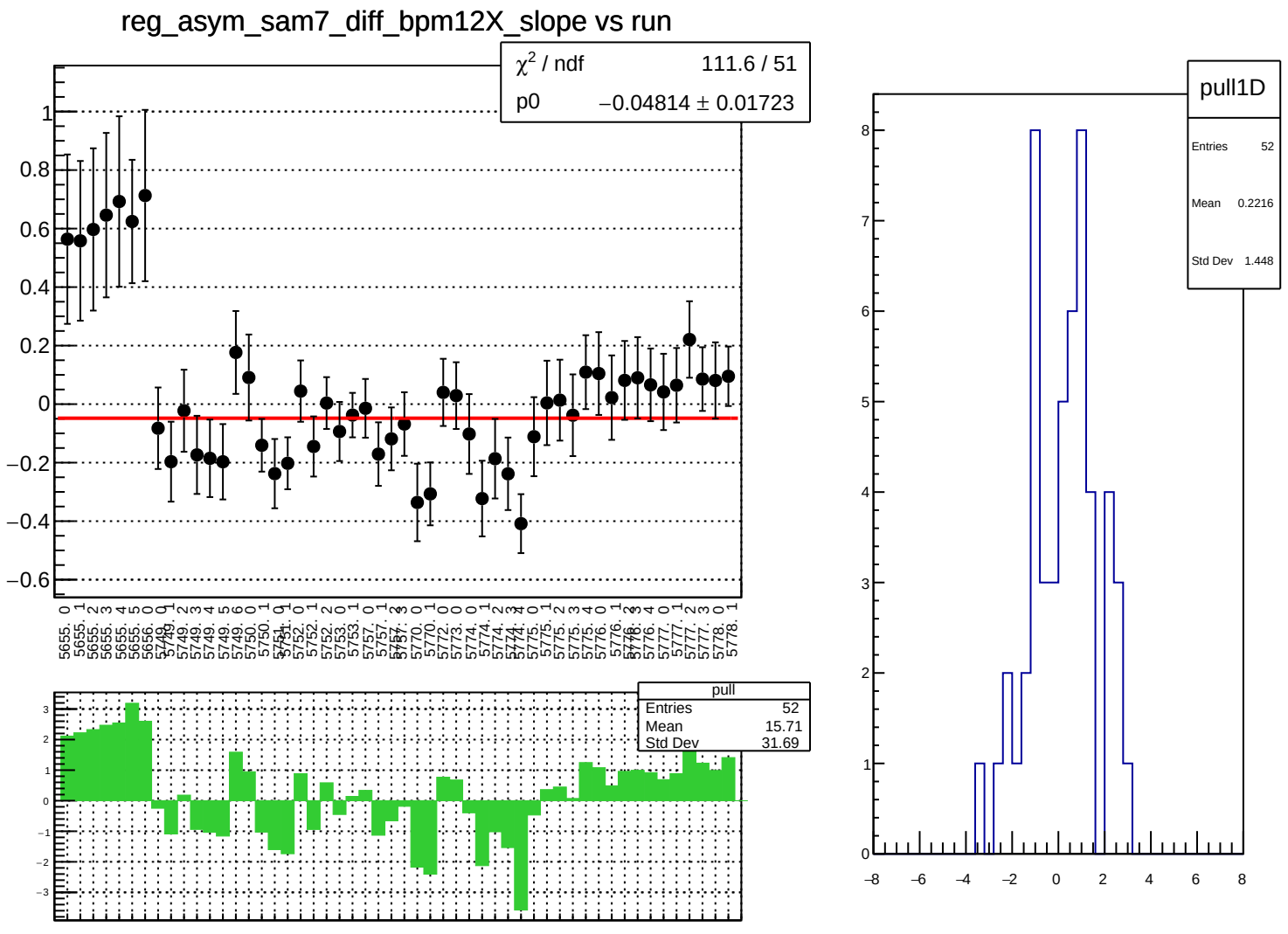

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 61.62 / 51
p0 30.56 ± 0.1404
pull
Entries 52
Mean 16.11
Std Dev 24.03
pull1D
Entries 52
Mean −0.2434
Std Dev 1.061

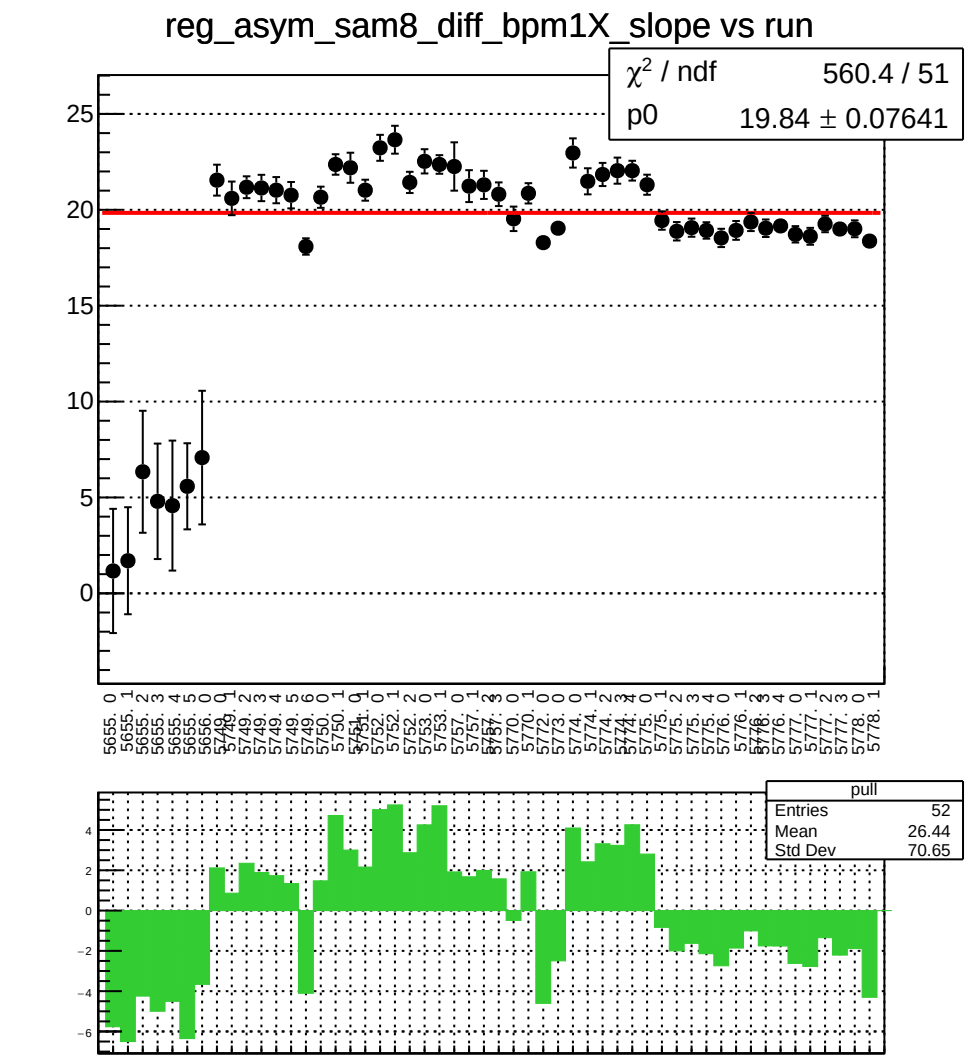

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 445.7 / 51
p0 13.33 ± 0.2713
pull
Entries 52
Mean 48.89
Std Dev 6.273

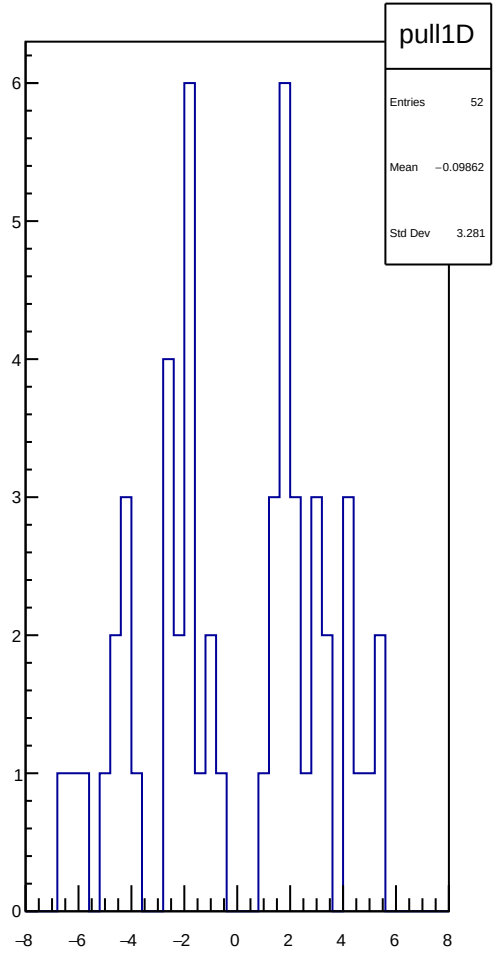

pull1D
Entries 52
Mean 0.9016
Std Dev 2.785

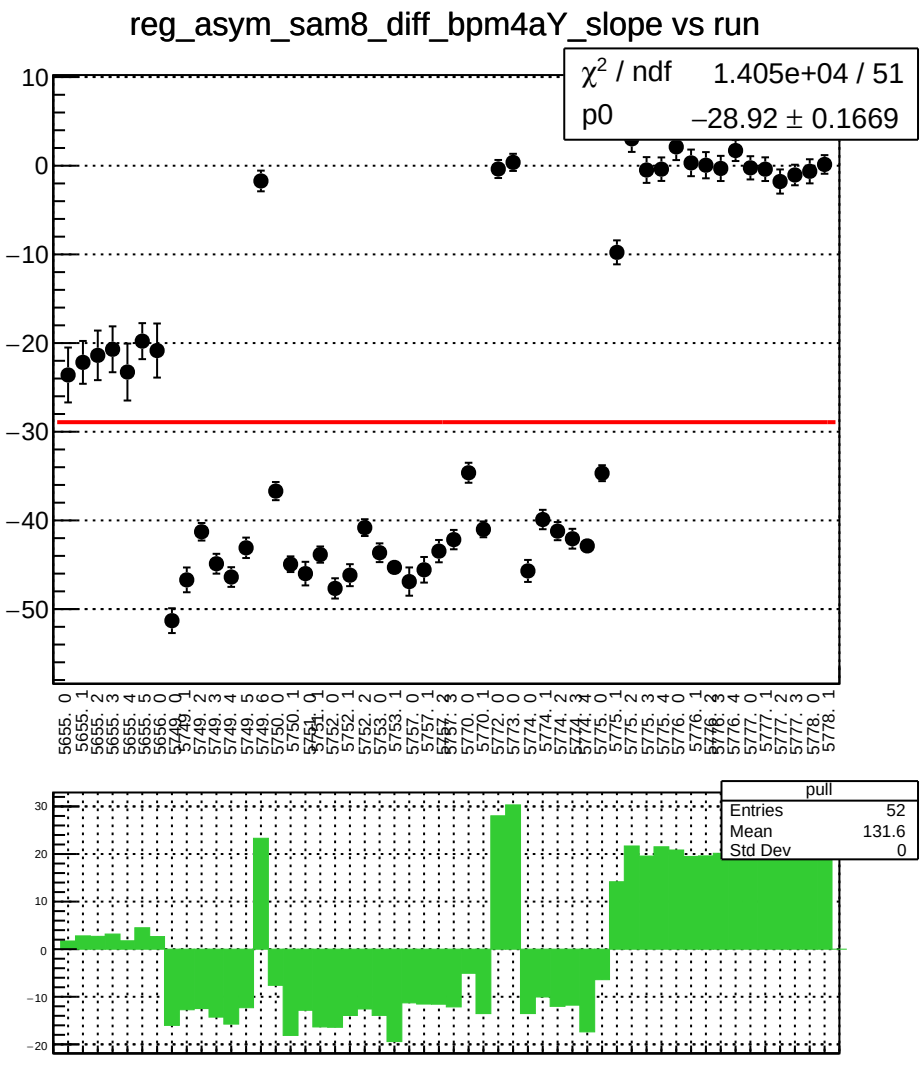

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 55.26 / 51
p0 −60.85 ± 0.2167
pull
Entries 52
Mean 31.52
Std Dev 29.86
pull1D
Entries 52
Mean 0.1648
Std Dev 1.018

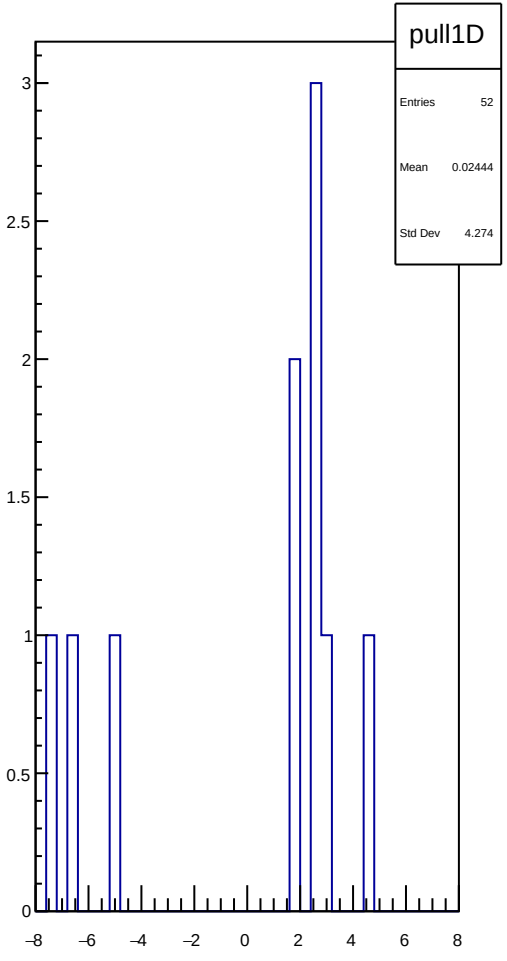

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 413.8 / 51
p0 −18.37 ± 0.2871
pull
Entries 52
Mean 44
Std Dev 17.32
pull1D
Entries 52
Mean −0.8414
Std Dev 2.692

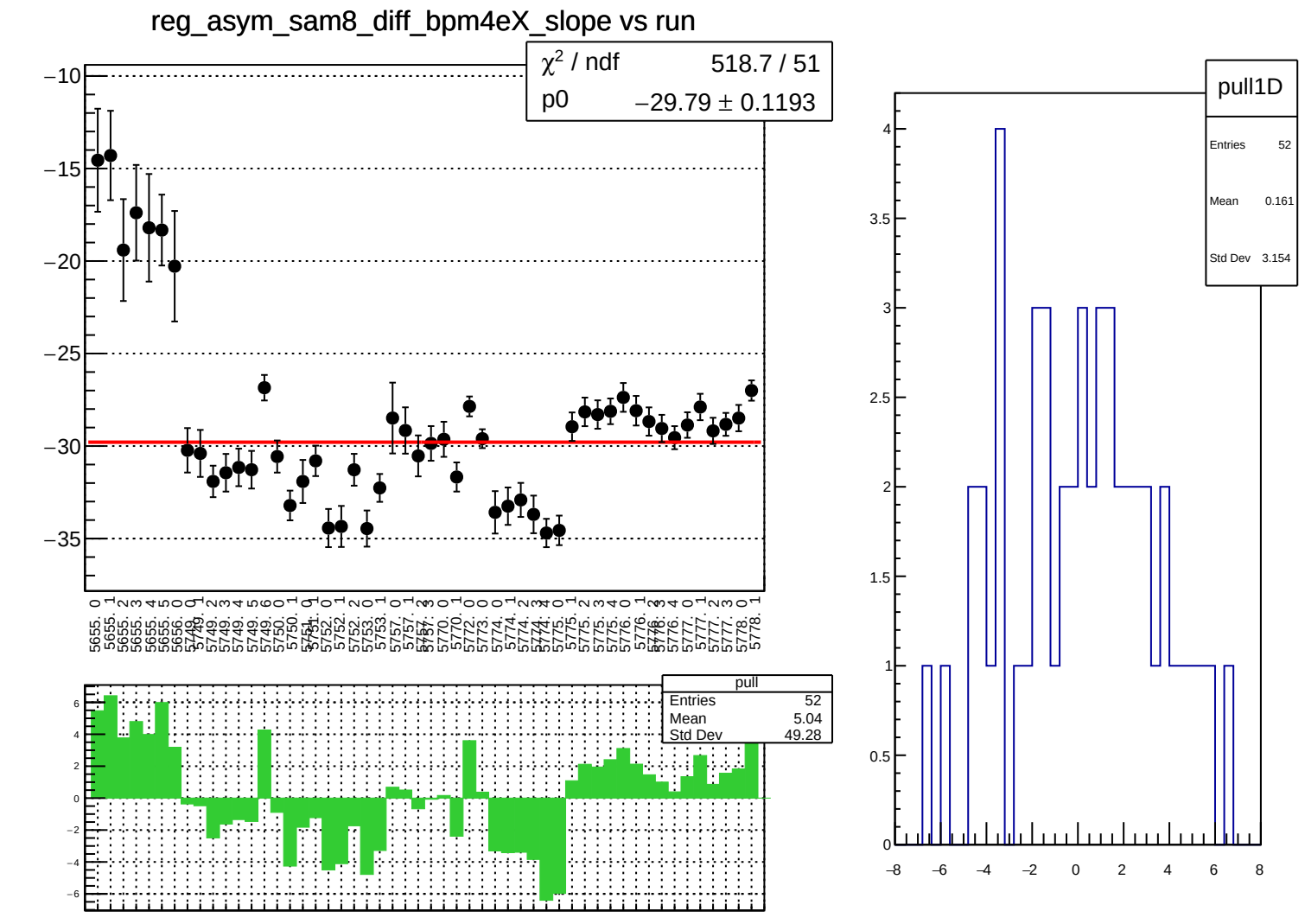

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 111.6 / 51
p0 −0.04814 ± 0.01723
pull
Entries 52
Mean 15.71
Std Dev 31.69
pull1D
Entries 52
Mean 0.2216
Std Dev 1.448

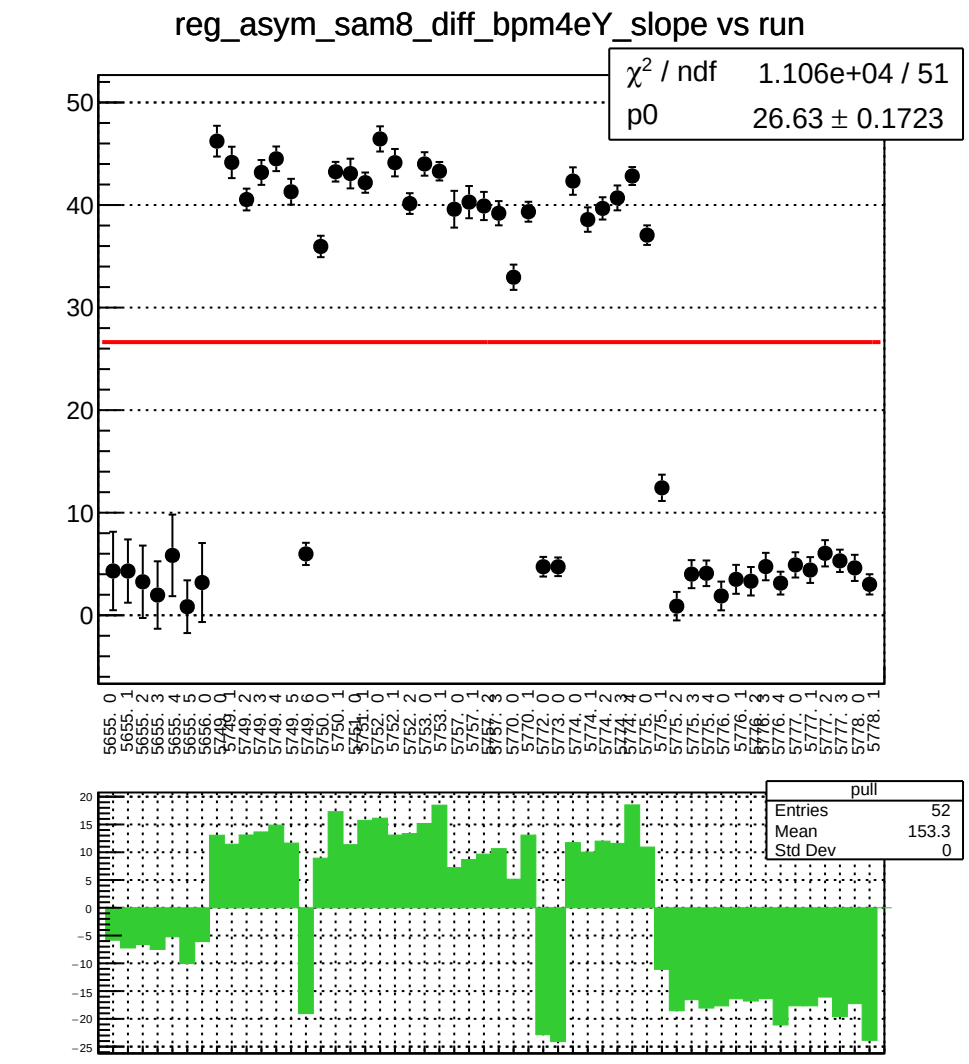

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 560.4 / 51
p0 19.84 ± 0.07641
pull
Entries 52
Mean 26.44
Std Dev 70.65

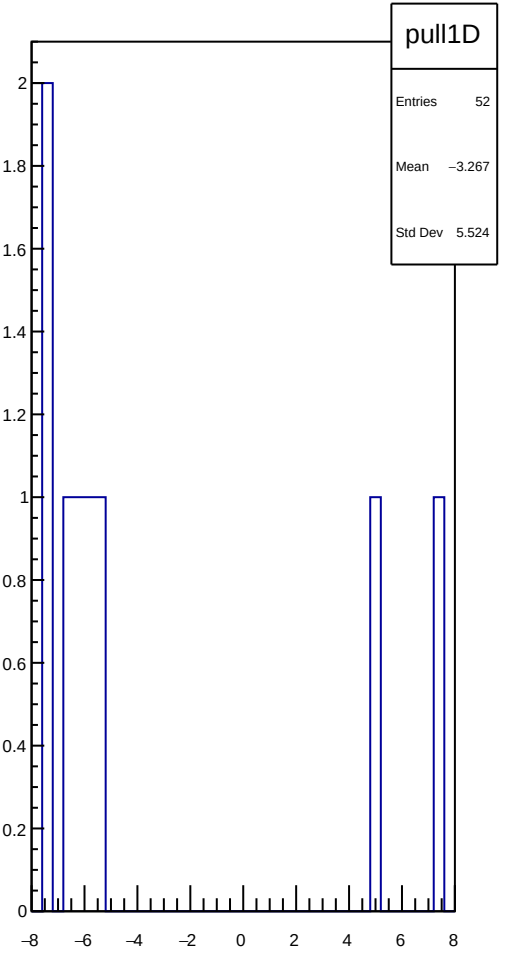

pull1D
Entries 52
Mean −0.09862
Std Dev 3.281

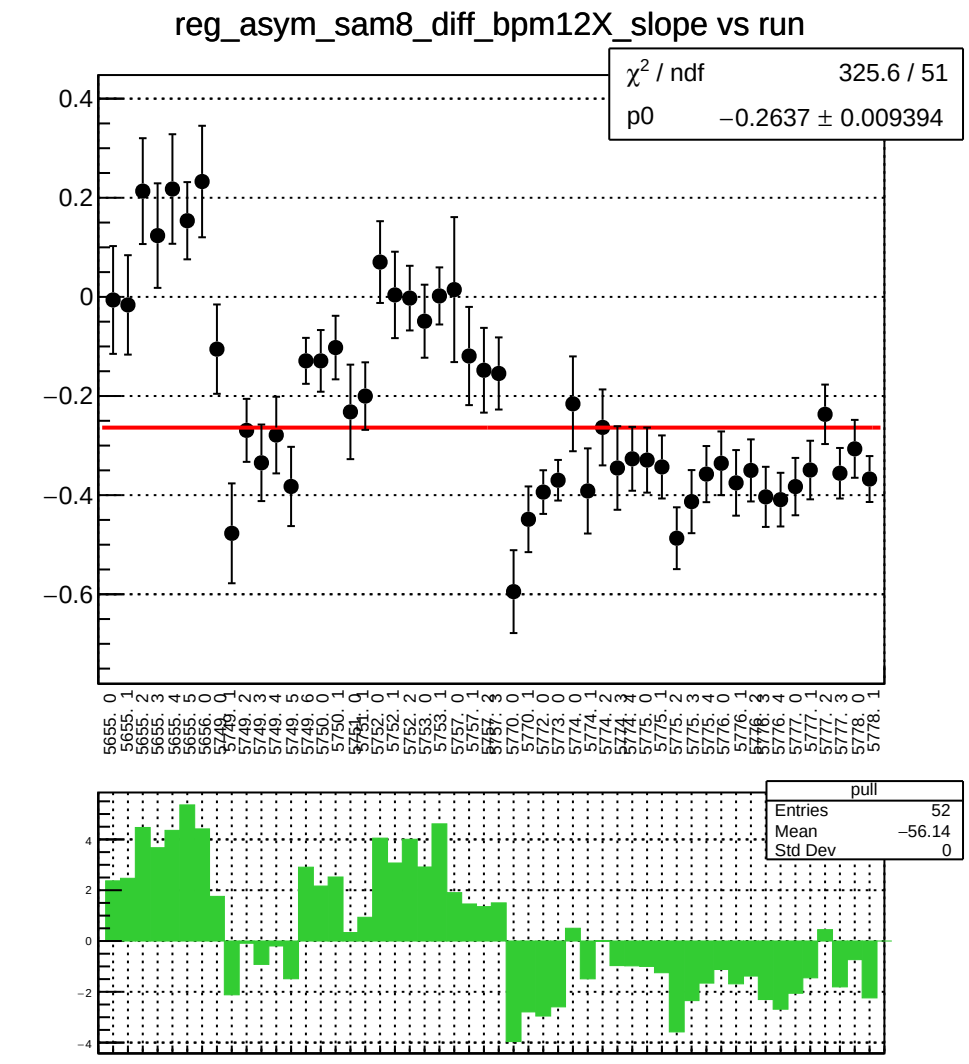

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 1.405e+04 / 51
p0 −28.92 ± 0.1669
pull
Entries 52
Mean 131.6
Std Dev 0

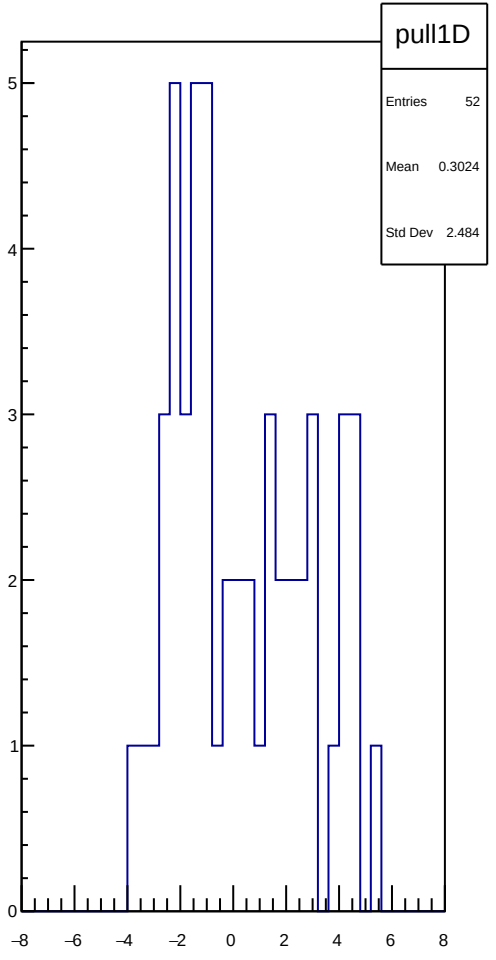

pull1D
Entries 52
Mean 0.02444
Std Dev 4.274

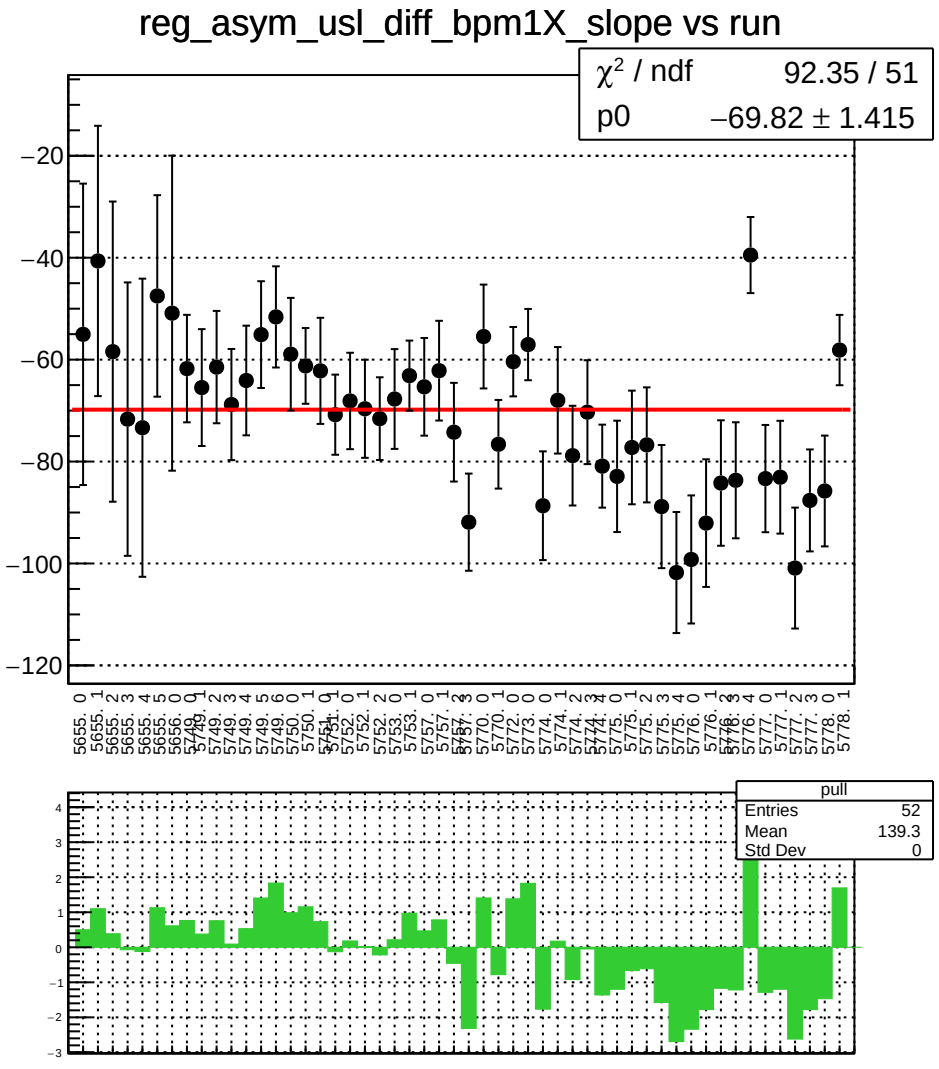

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 518.7 / 51
p0 −29.79 ± 0.1193
pull
Entries 52
Mean 5.04
Std Dev 49.28
pull1D
Entries 52
Mean 0.161
Std Dev 3.154

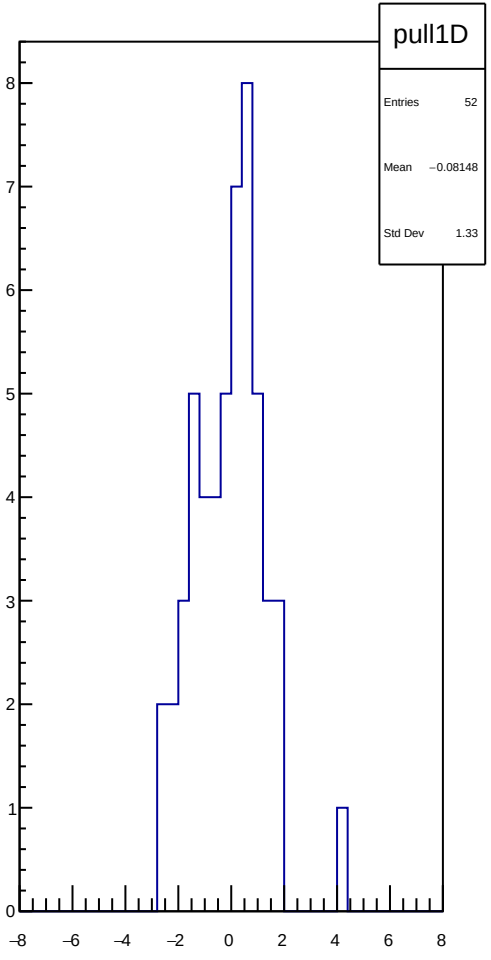

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 1.106e+04 / 51
p0 26.63 ± 0.1723
pull
Entries 52
Mean 153.3
Std Dev 0

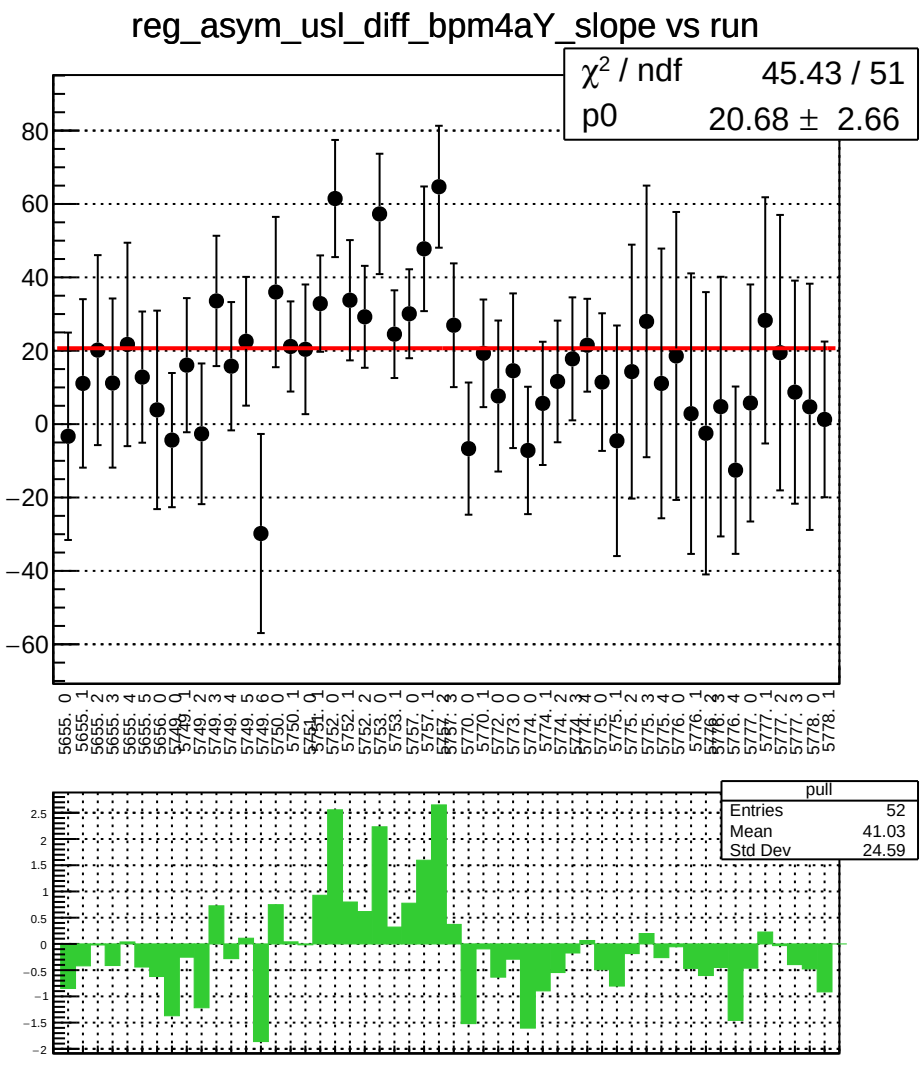

pull1D
Entries 52
Mean −3.267
Std Dev 5.524

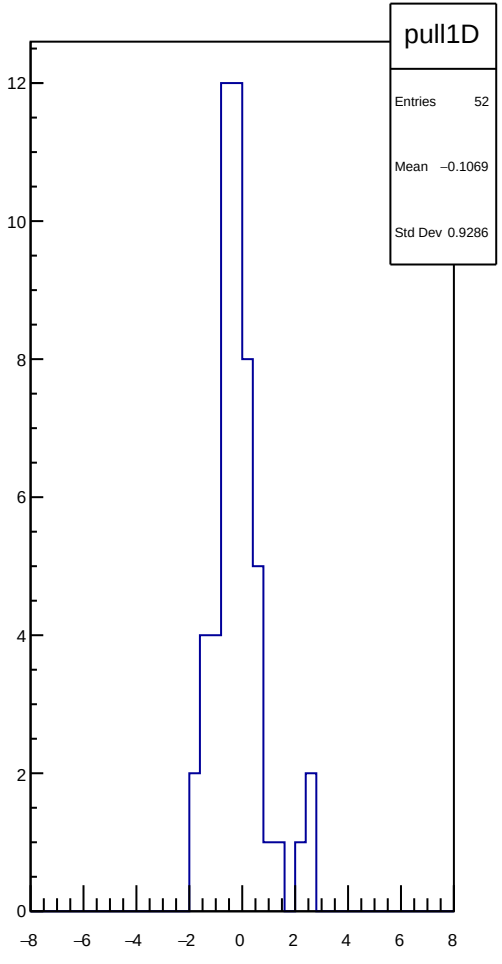

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 325.6 / 51
p0 −0.2637 ± 0.009394
pull
Entries 52
Mean −56.14
Std Dev 0

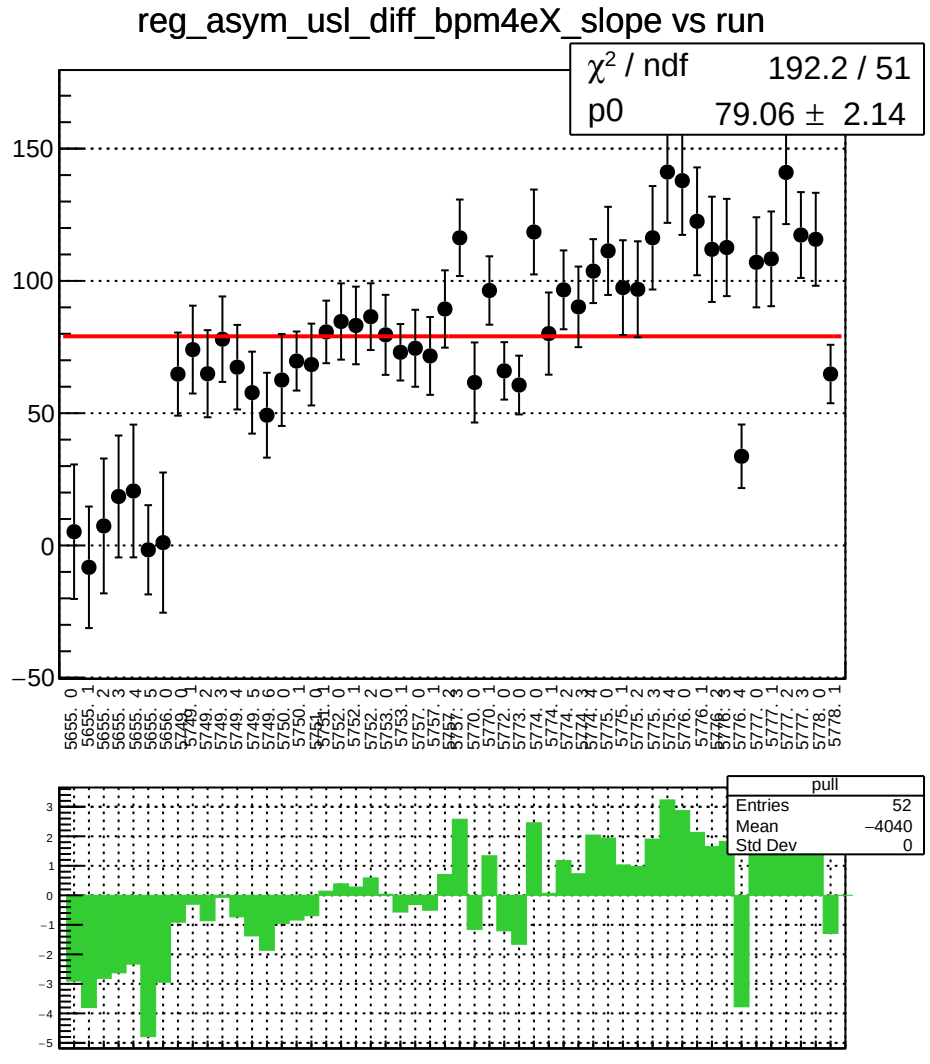

pull1D
Entries 52
Mean 0.3024
Std Dev 2.484

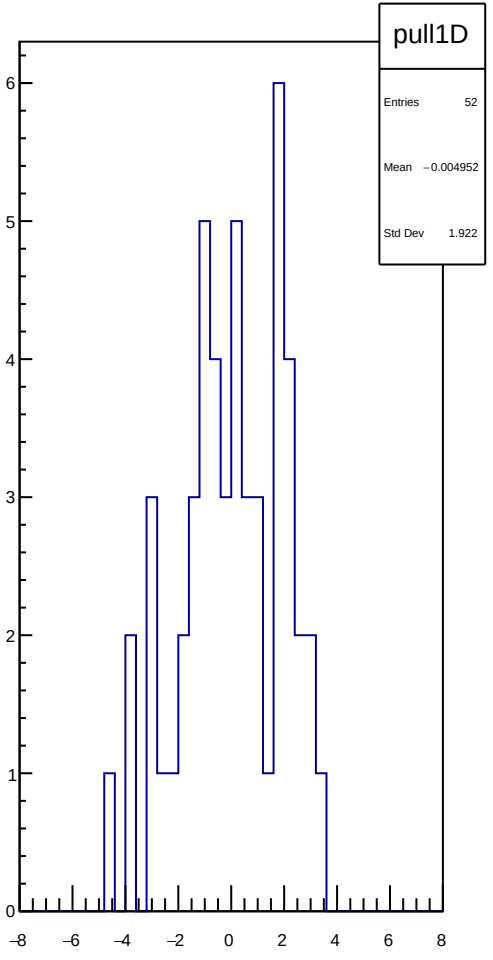

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 92.35 / 51
p0 −69.82 ± 1.415
pull
Entries 52
Mean 139.3
Std Dev 0

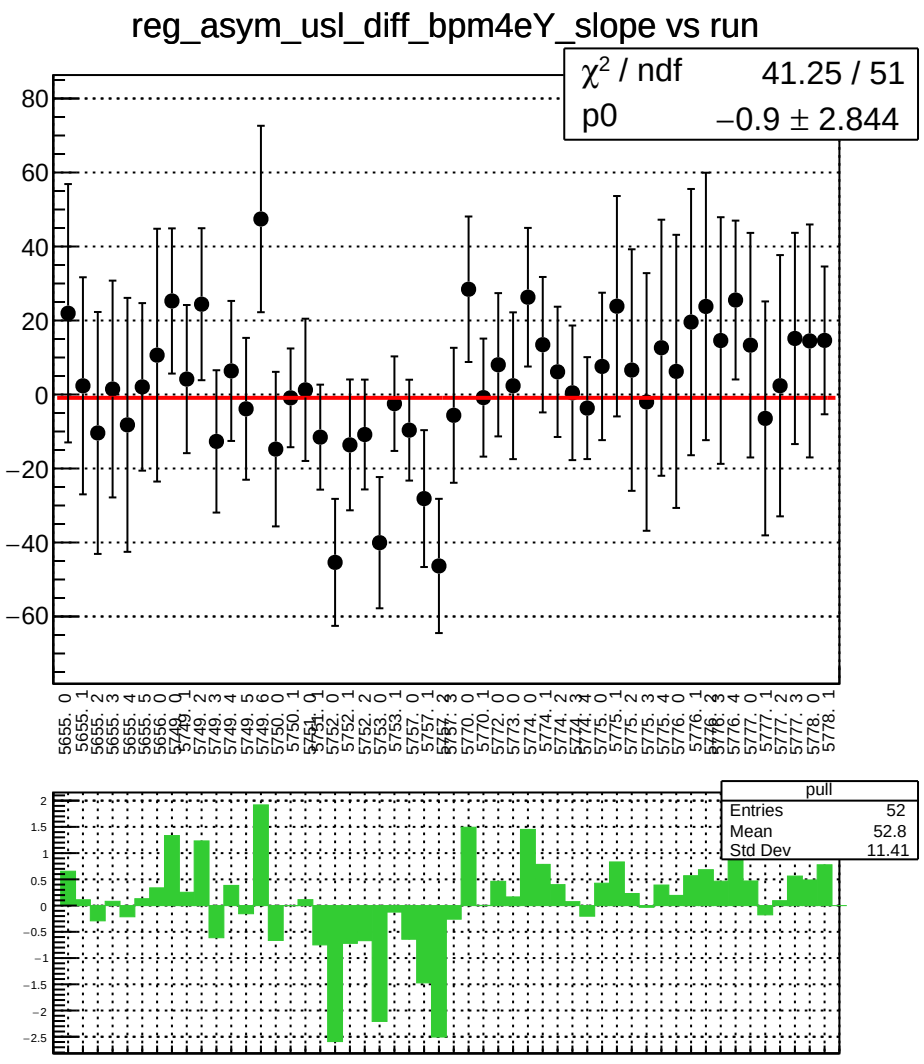

pull1D
Entries 52
Mean −0.08148
Std Dev 1.33

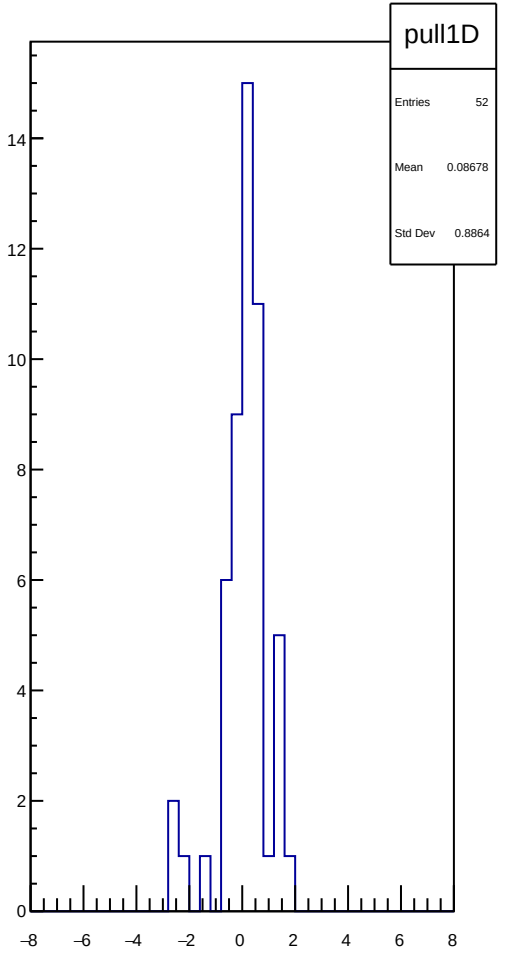

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 45.43 / 51
p0 20.68 ± 2.66
pull
Entries 52
Mean 41.03
Std Dev 24.59

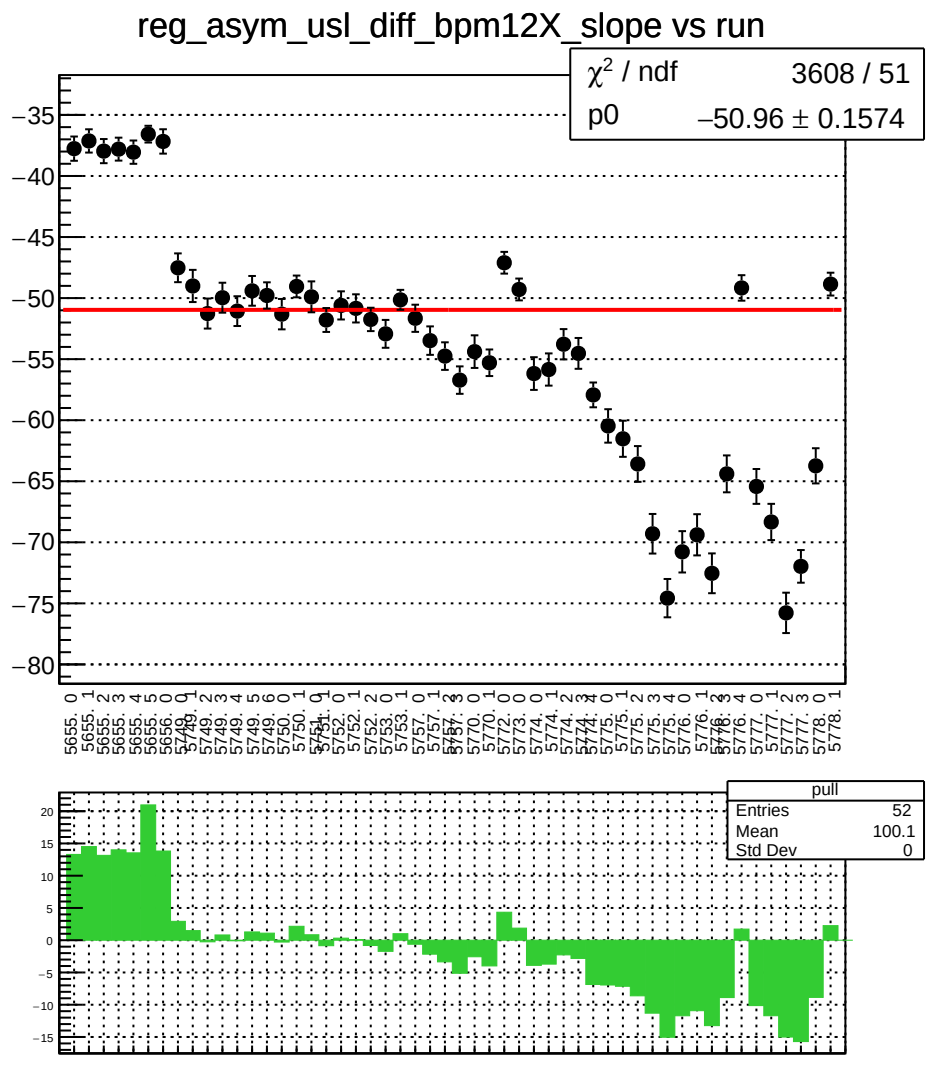

pull1D
Entries 52
Mean −0.1069
Std Dev 0.9286

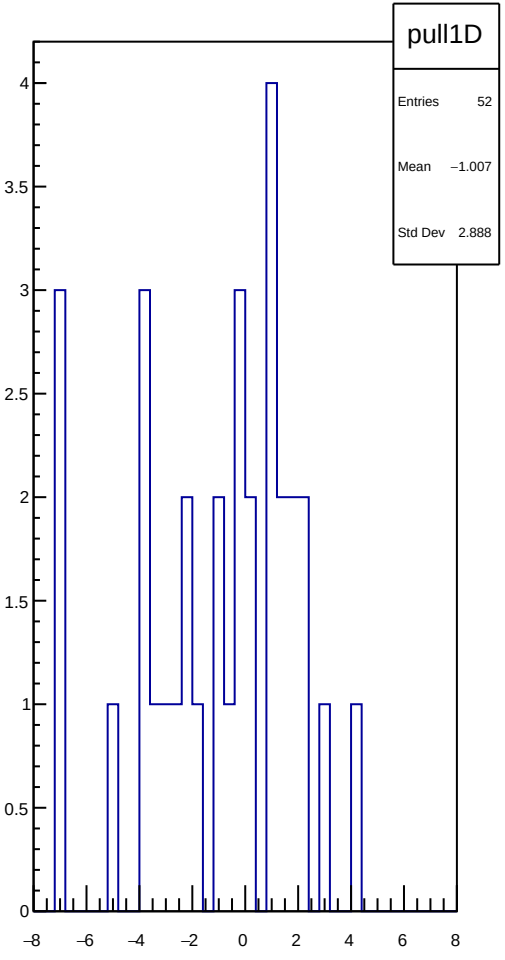

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 192.2 / 51
p0 79.06 ± 2.14
150
100
50
0
−50
pull
Entries 52
Mean −4040
Std Dev 0
3
2
1
0
−1
−2
−3
−4
−5

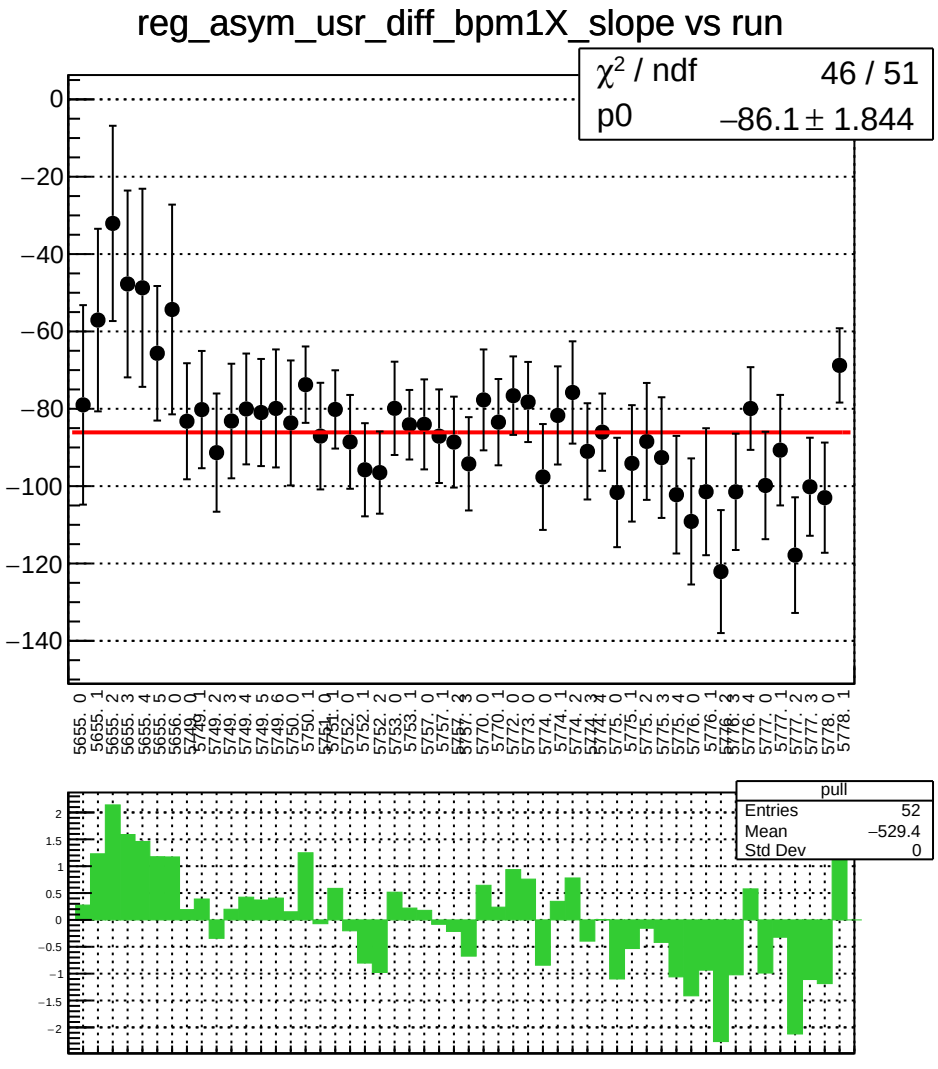

pull1D
Entries 52
Mean −0.004952
Std Dev 1.922
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

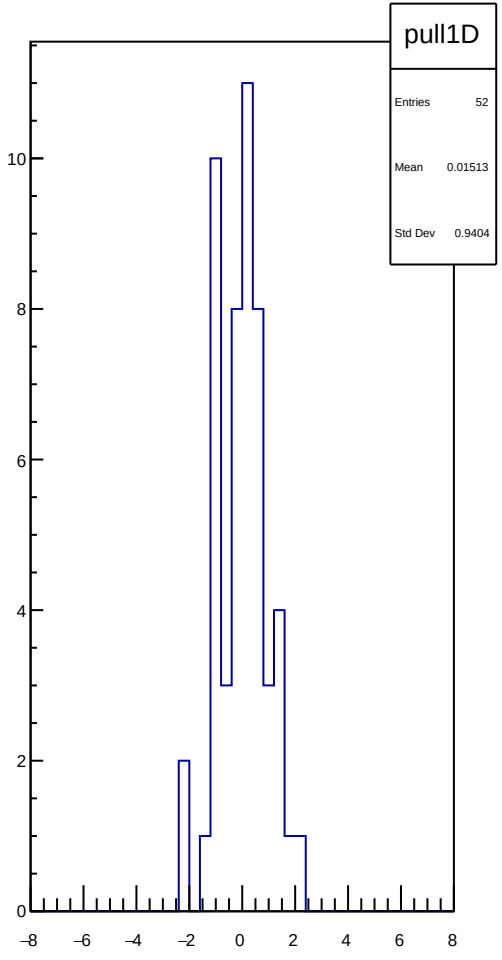

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 41.25 / 51
p0 −0.9 ± 2.844
pull
Entries 52
Mean 52.8
Std Dev 11.41

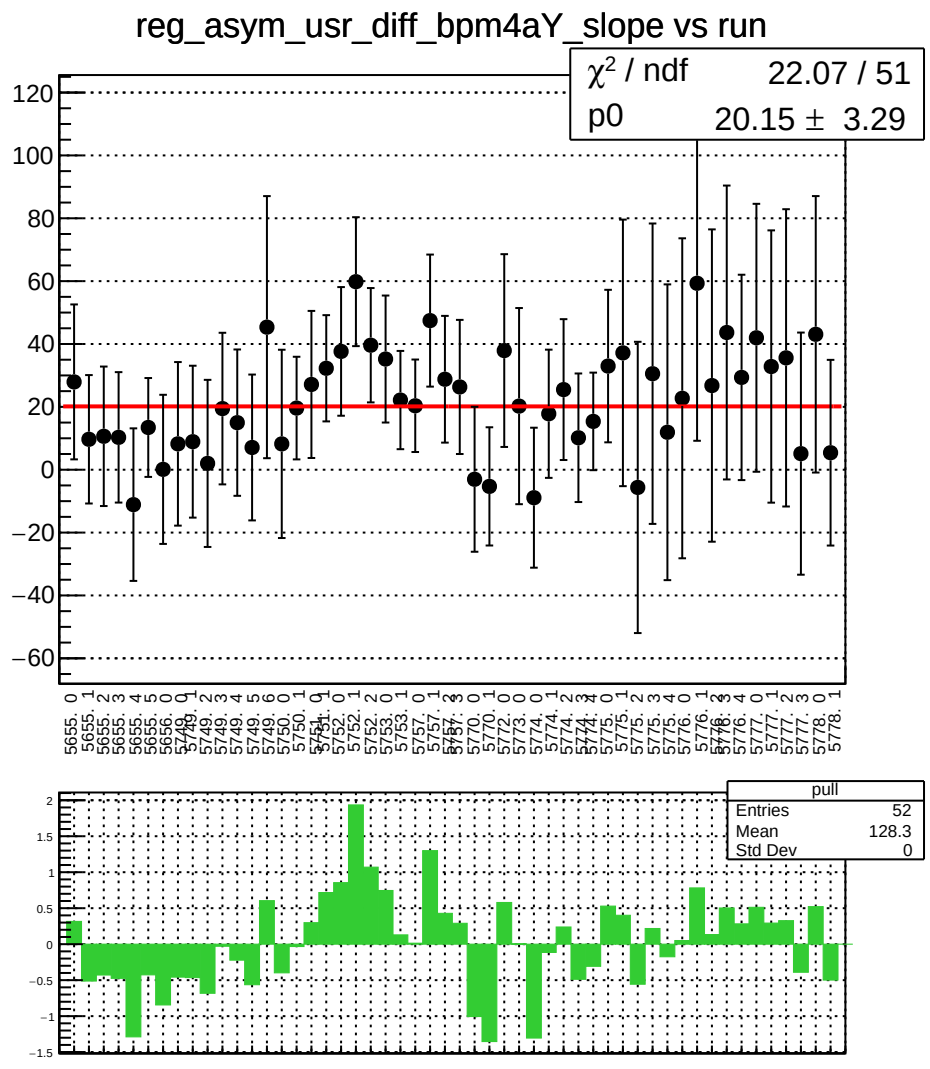

pull1D
Entries 52
Mean 0.08678
Std Dev 0.8864

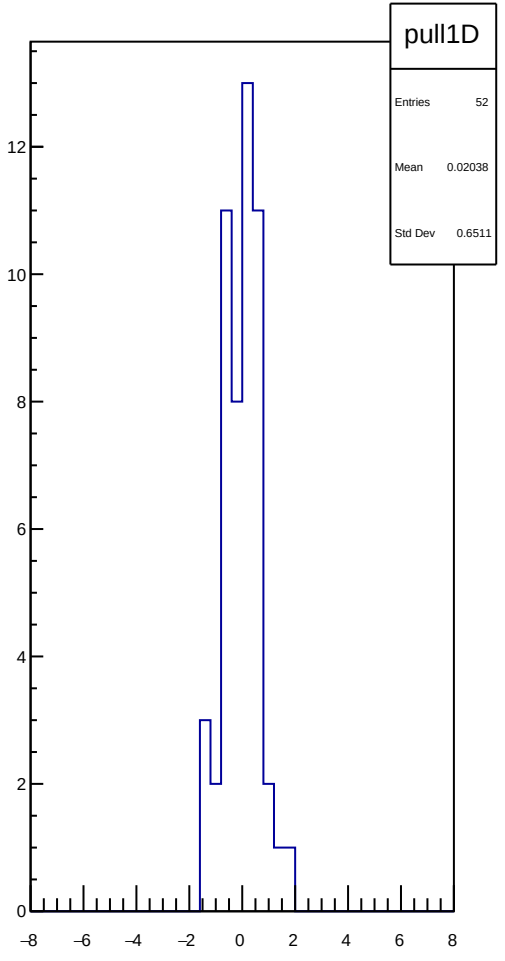

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 3608 / 51
p0 −50.96 ± 0.1574
pull
Entries 52
Mean 100.1
Std Dev 0

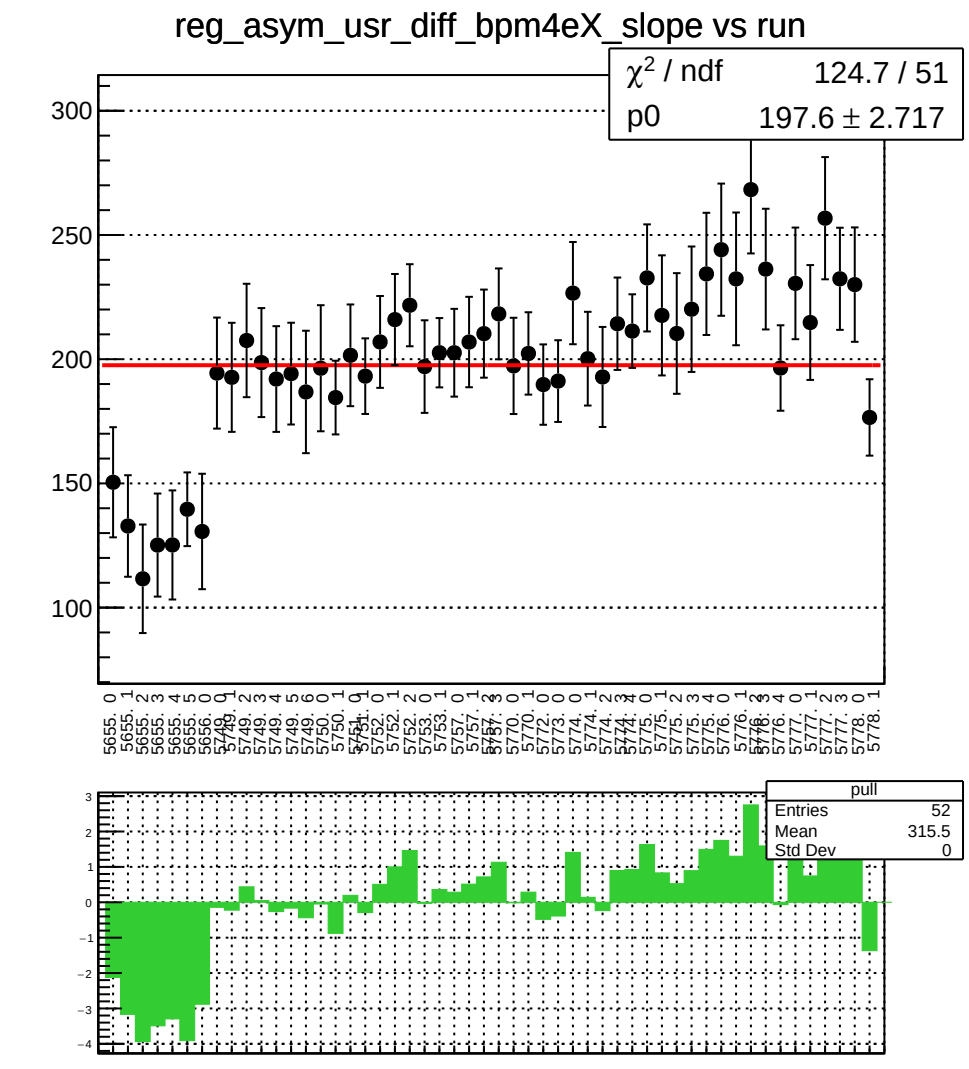

pull1D
Entries 52
Mean −1.007
Std Dev 2.888

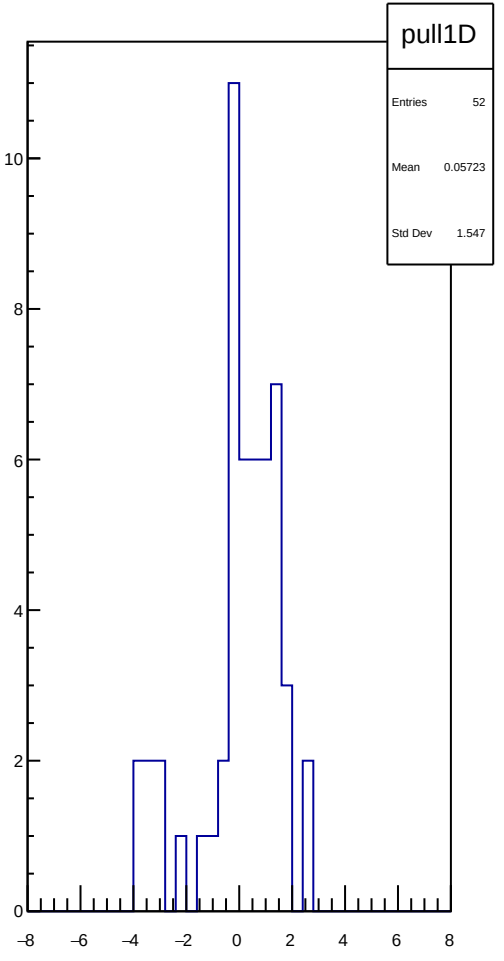

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 46 / 51
p0 −86.1 ± 1.844
pull
Entries 52
Mean −529.4
Std Dev 0

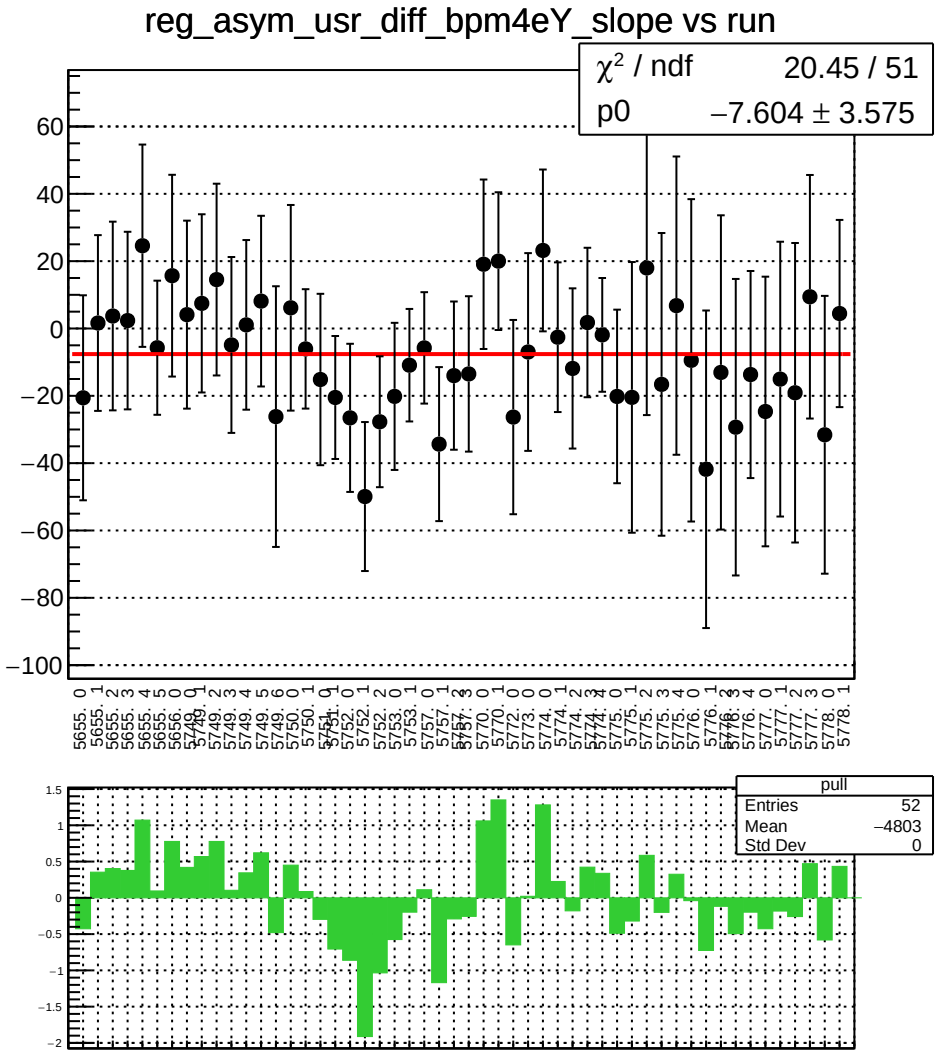

pull1D
Entries 52
Mean 0.01513
Std Dev 0.9404

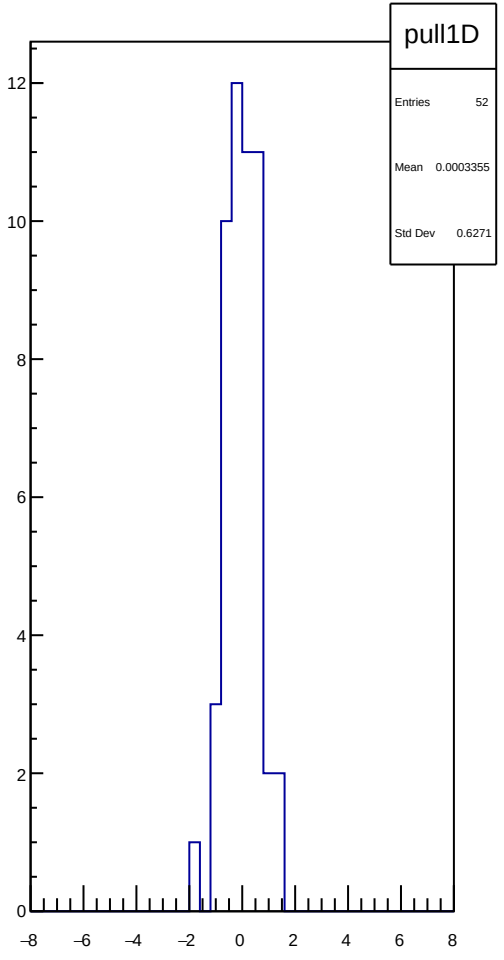

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 22.07 / 51
p0 20.15 ± 3.29
pull
Entries 52
Mean 128.3
Std Dev 0

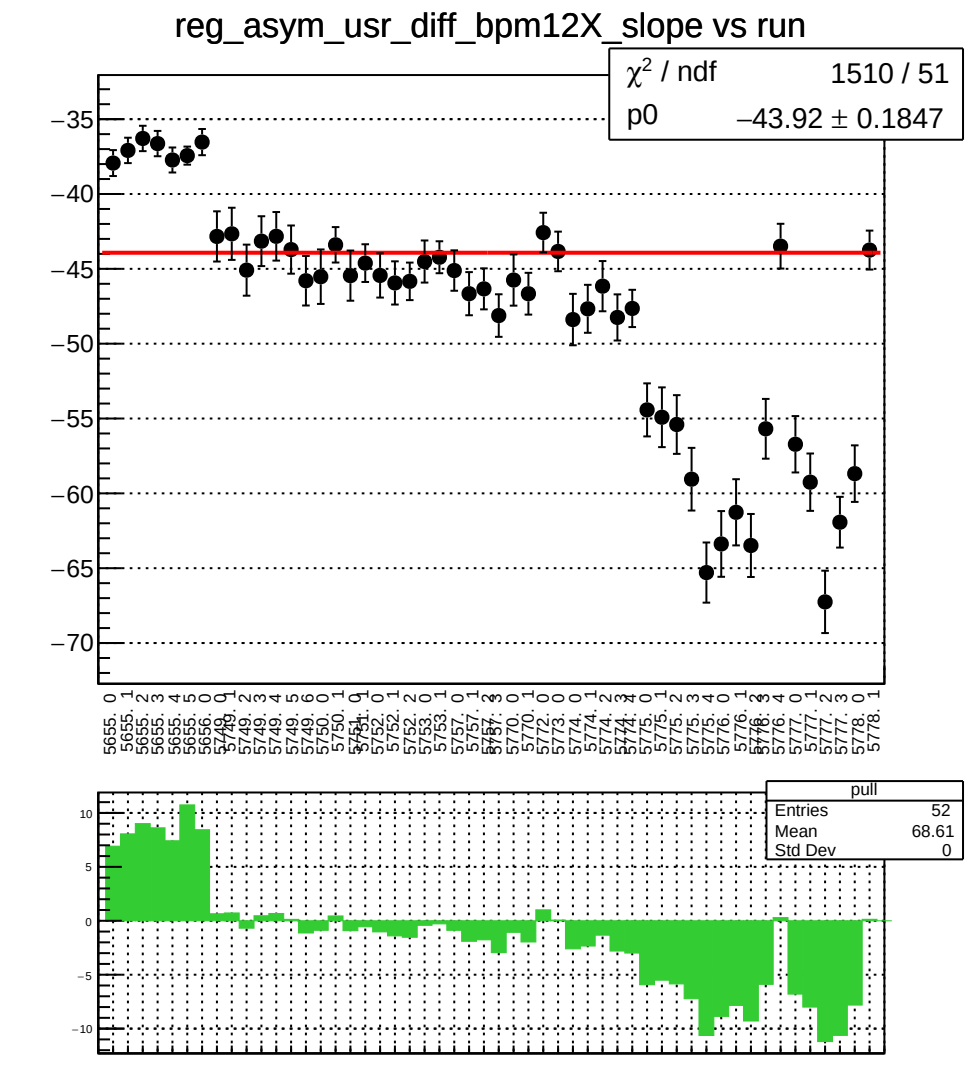

pull1D
Entries 52
Mean 0.02038
Std Dev 0.6511

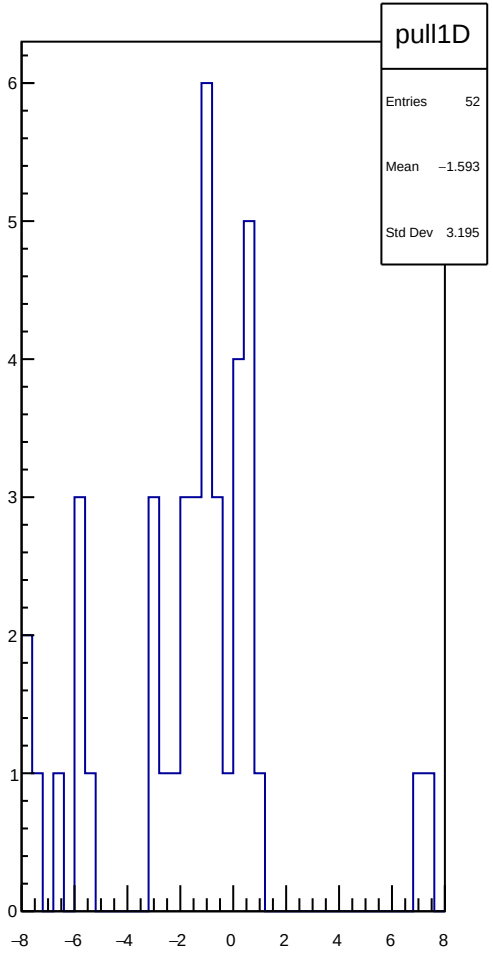

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 124.7 / 51
p0 197.6 ± 2.717
300
250
200
150
100
pull
Entries 52
Mean 315.5
Std Dev 0
3
2
1
0
−1
−2
−3
−4

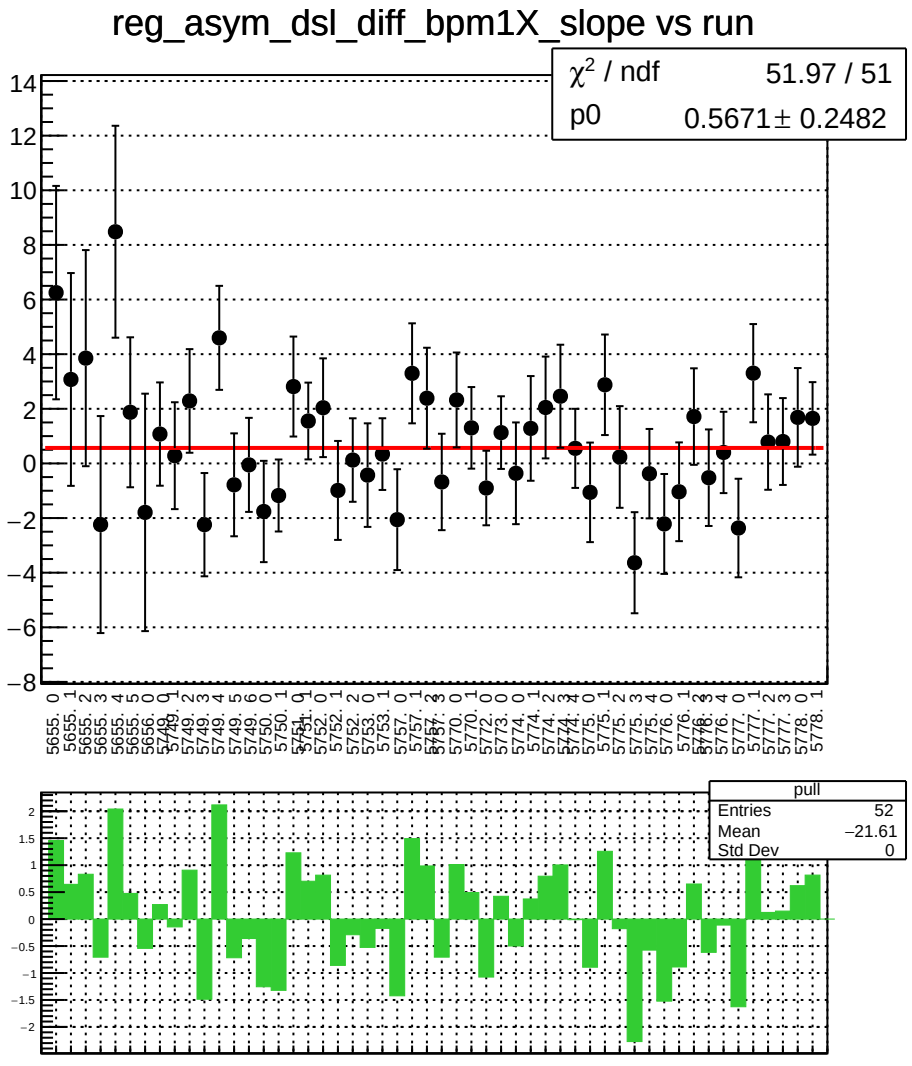

pull1D
Entries 52
Mean 0.05723
Std Dev 1.547
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

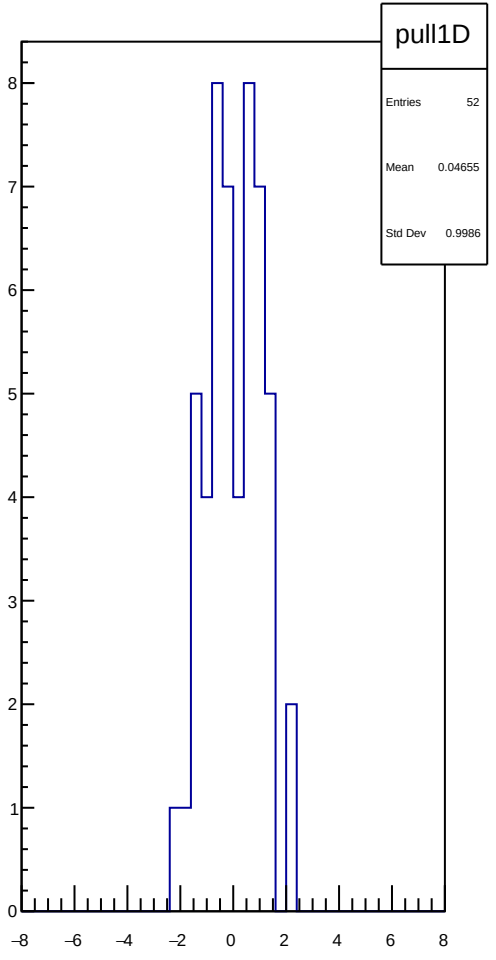

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 20.45 / 51
p0 −7.604 ± 3.575
pull
Entries 52
Mean −4803
Std Dev 0

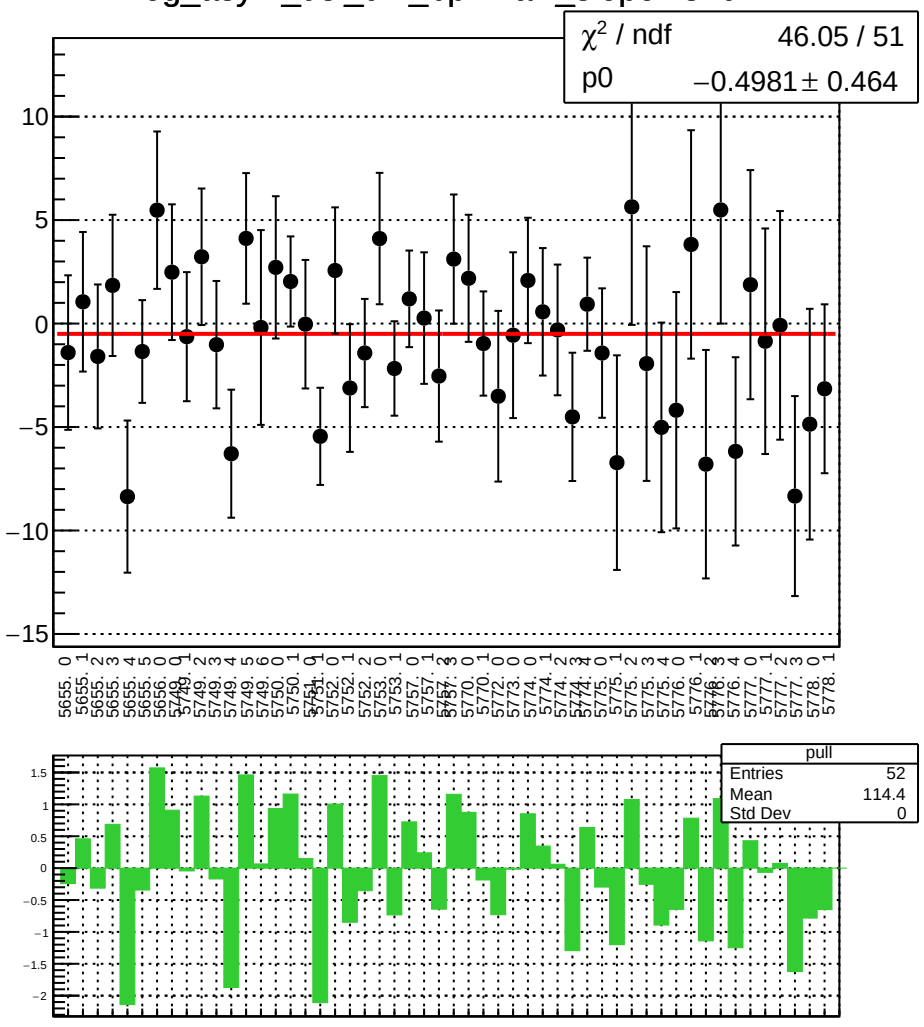

pull1D
Entries 52
Mean 0.0003355
Std Dev 0.6271

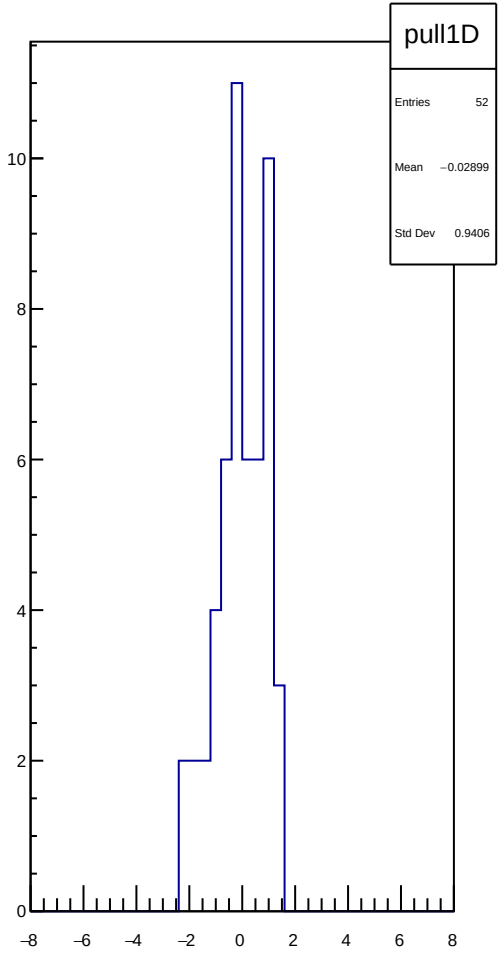

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 1510 / 51
p0 −43.92 ± 0.1847
pull
Entries 52
Mean 68.61
Std Dev 0

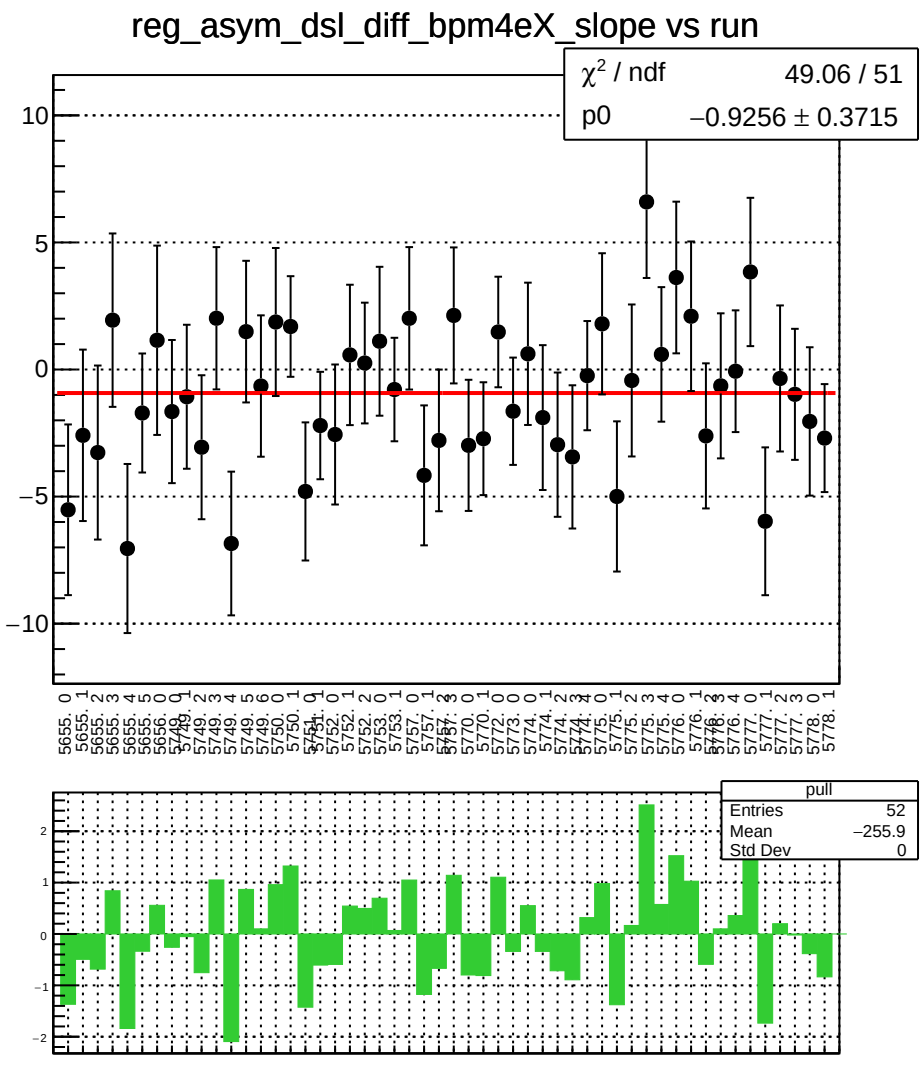

pull1D
Entries 52
Mean −1.593
Std Dev 3.195

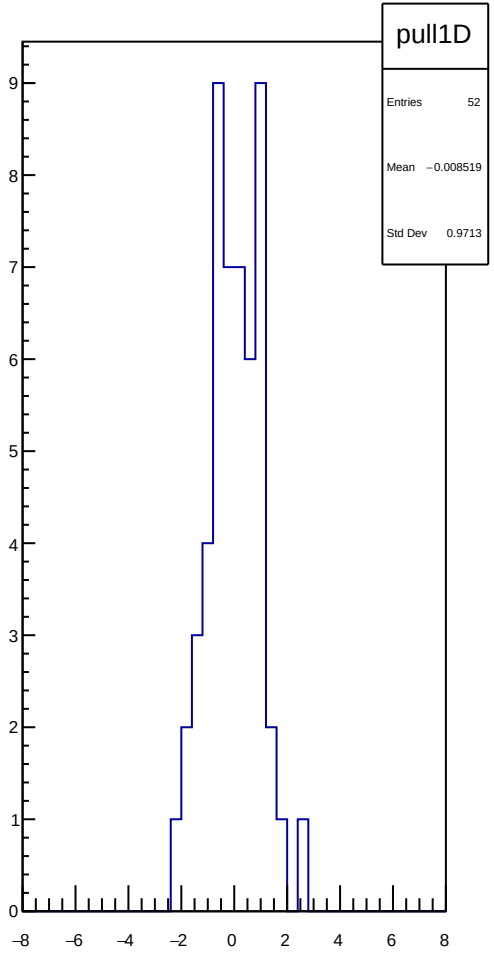

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 51.97 / 51
p0 0.5671± 0.2482
pull
Entries 52
Mean −21.61
Std Dev 0

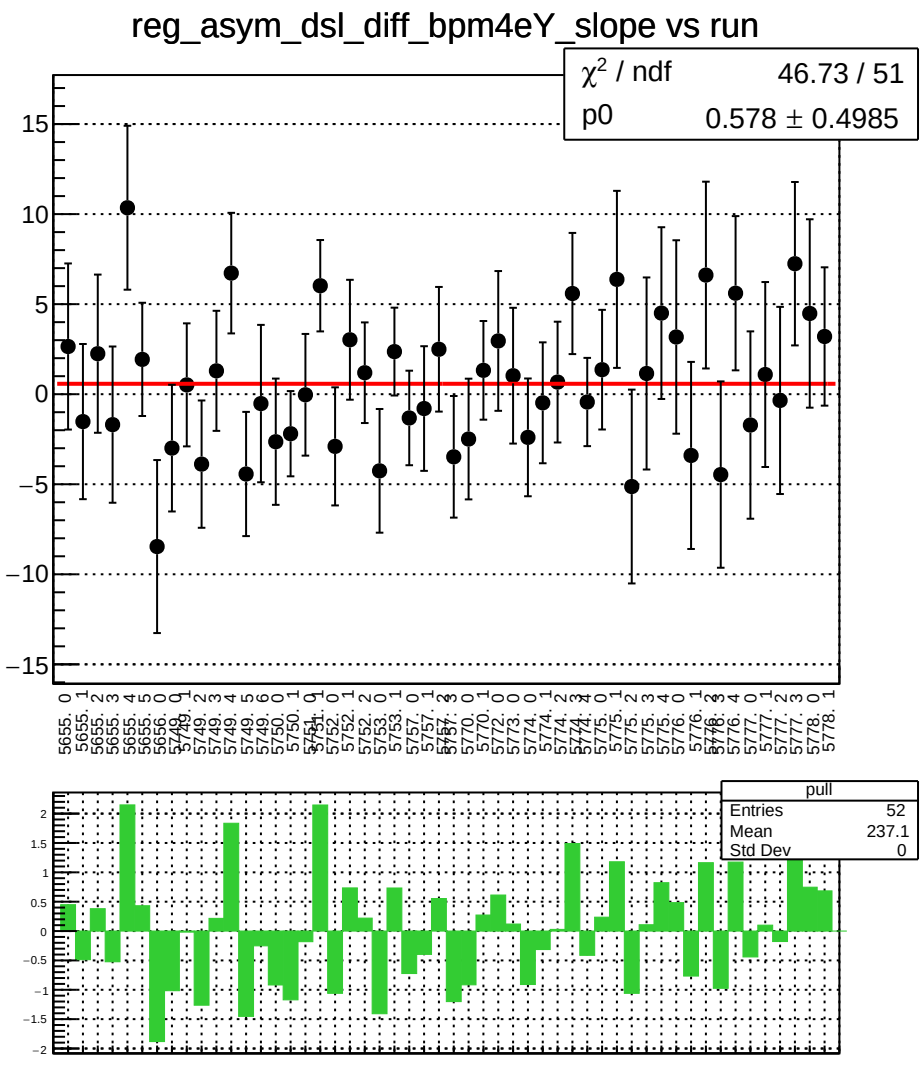

pull1D
Entries 52
Mean 0.04655
Std Dev 0.9986

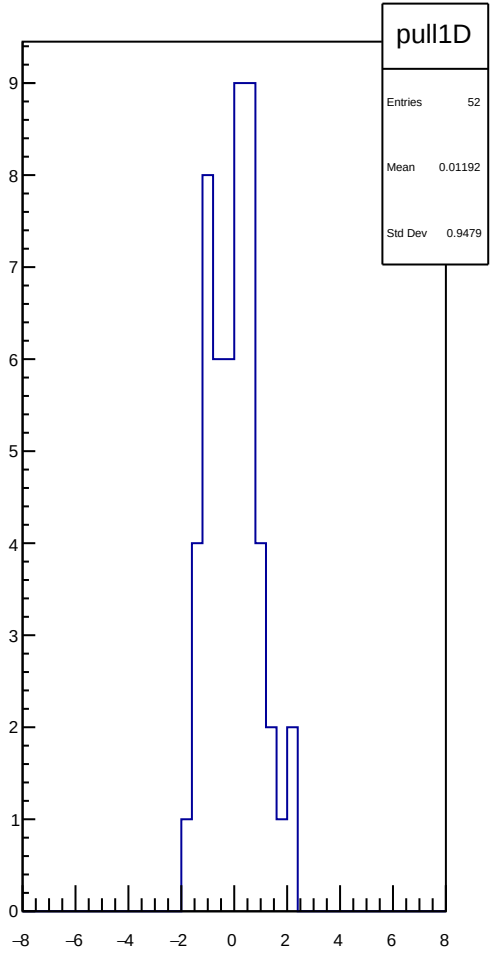

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 46.05 / 51
p0 −0.4981 ± 0.464
pull
Entries 52
Mean 114.4
Std Dev 0

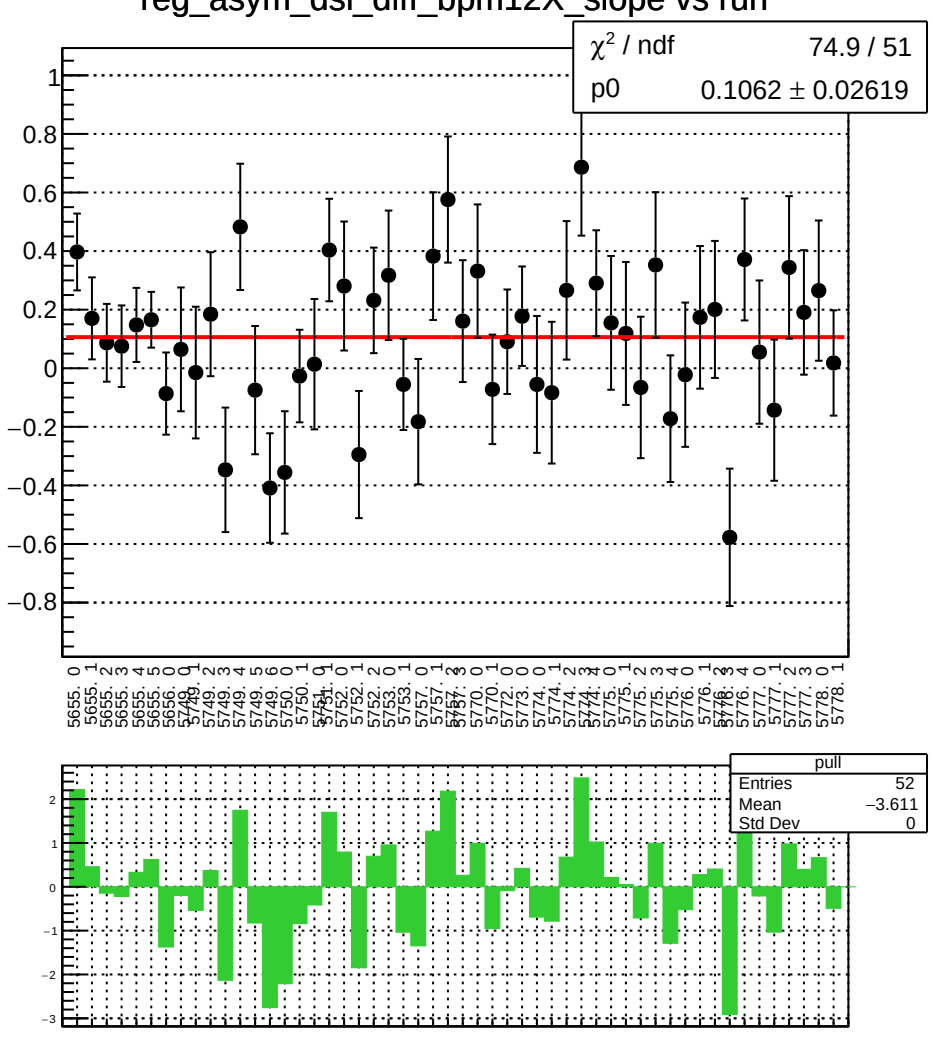

pull1D
Entries 52
Mean −0.02899
Std Dev 0.9406

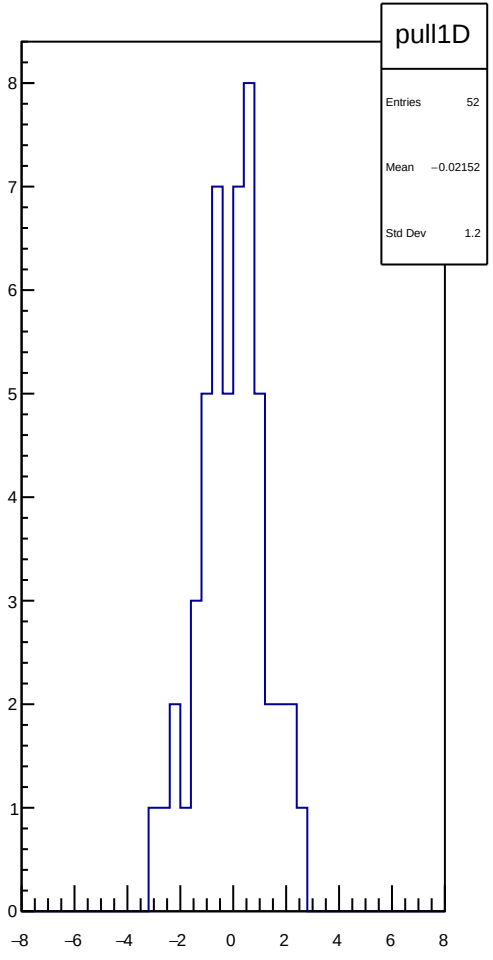

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 49.06 / 51
p0 −0.9256 ± 0.3715
pull
Entries 52
Mean −255.9
Std Dev 0

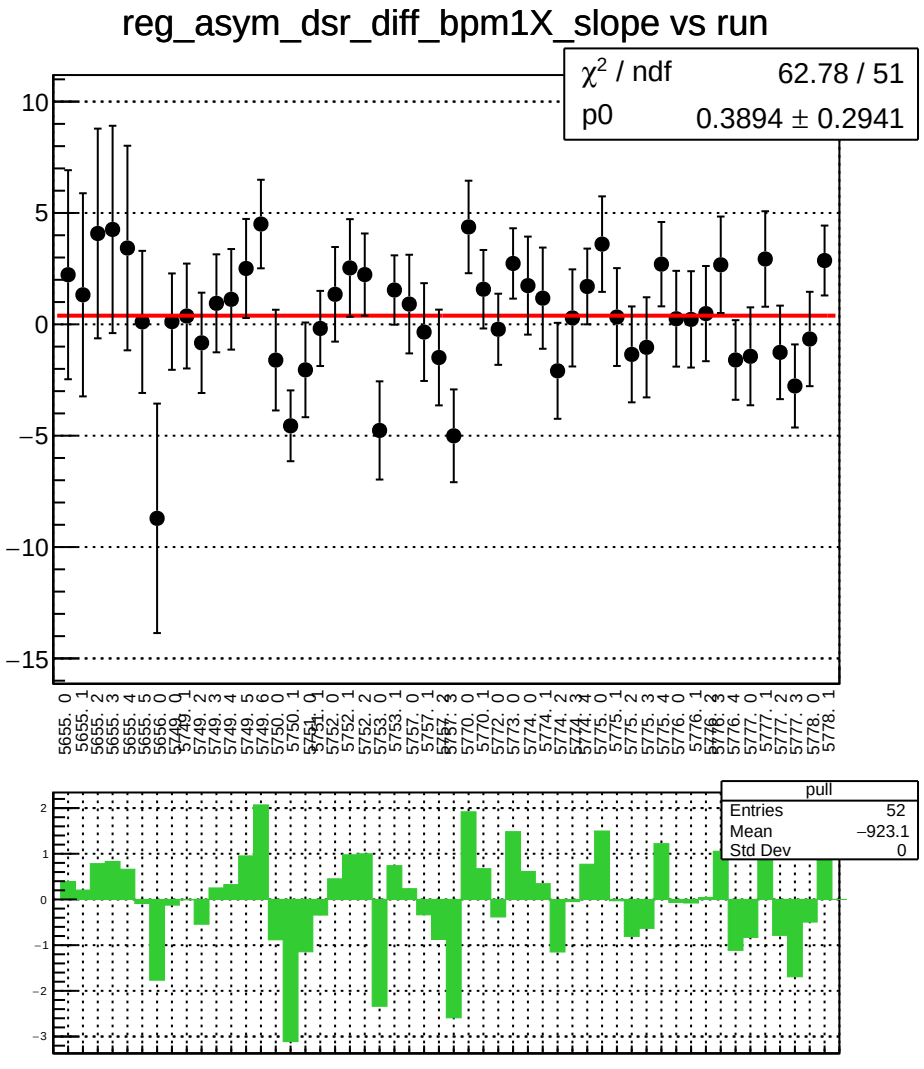

pull1D
Entries 52
Mean −0.008519
Std Dev 0.9713

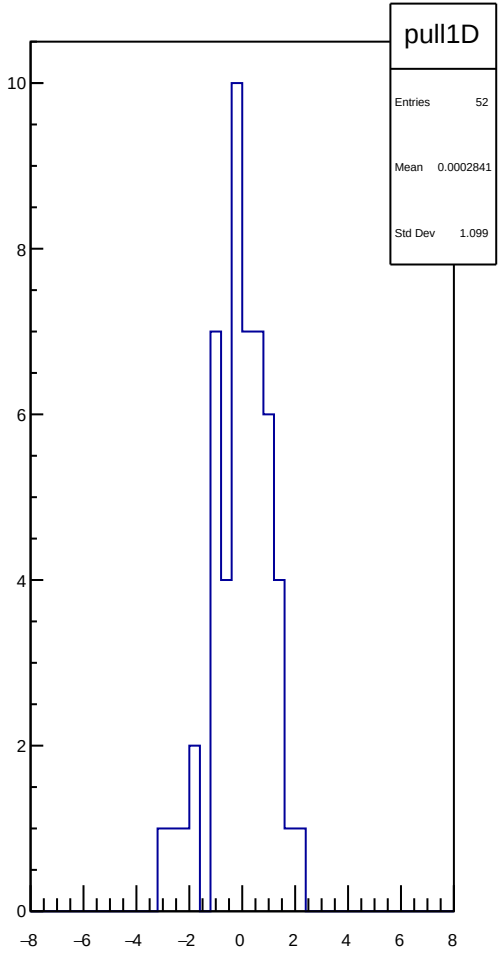

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 46.73 / 51
p0 0.578 ± 0.4985
pull
Entries 52
Mean 237.1
Std Dev 0

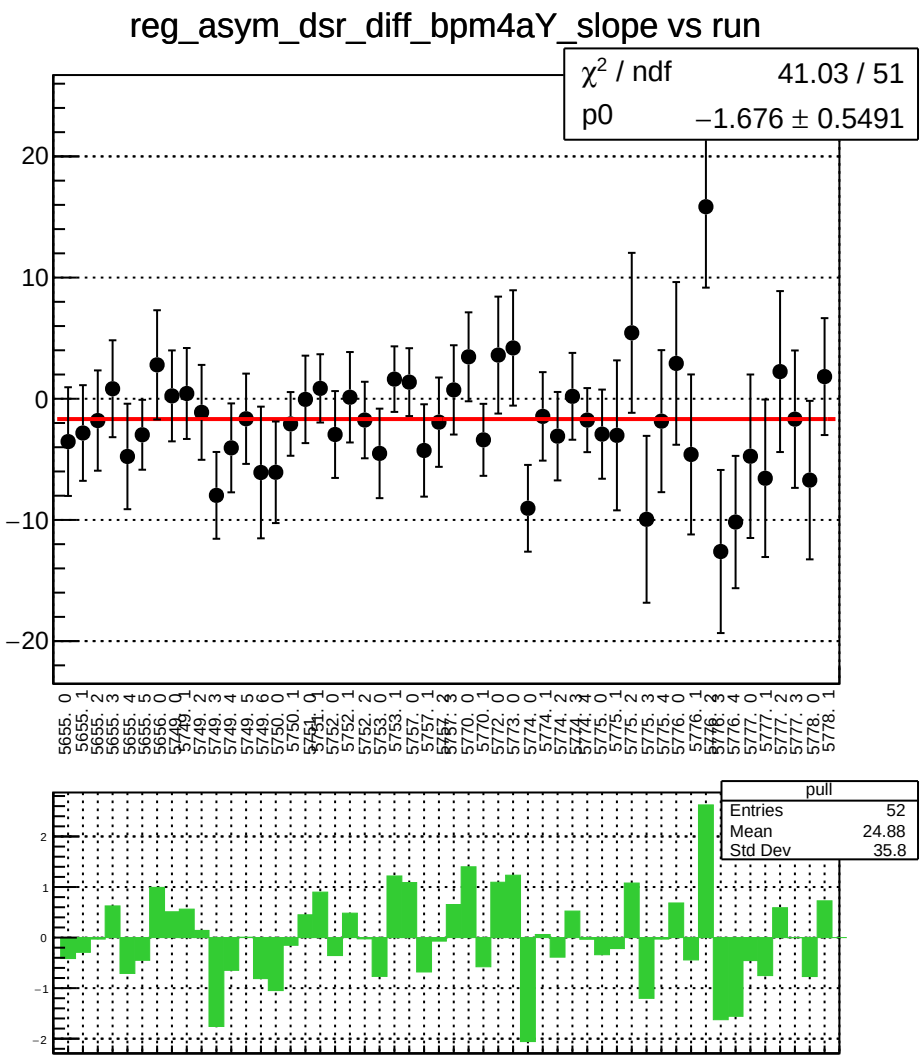

pull1D
Entries 52
Mean 0.01192
Std Dev 0.9479

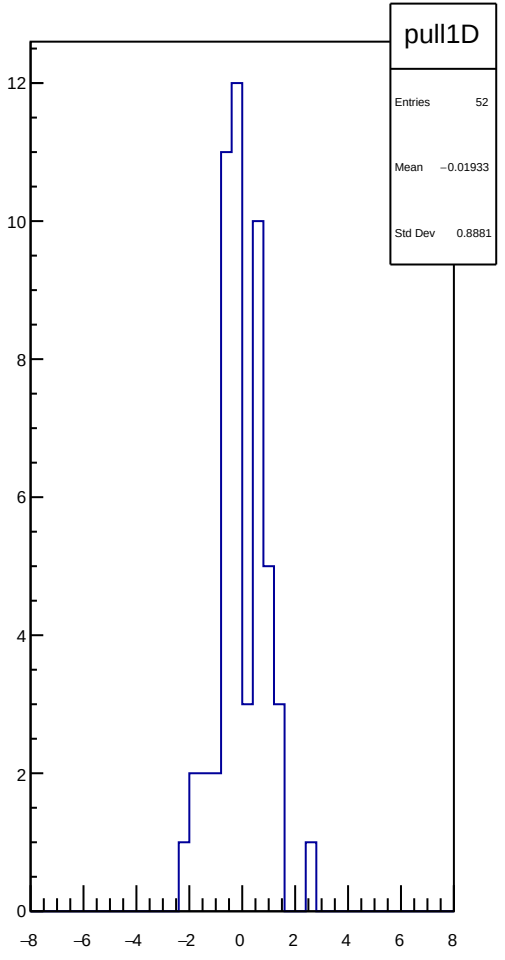

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 74.9 / 51
p0 0.1062 ± 0.02619
pull
Entries 52
Mean −3.611
Std Dev 0

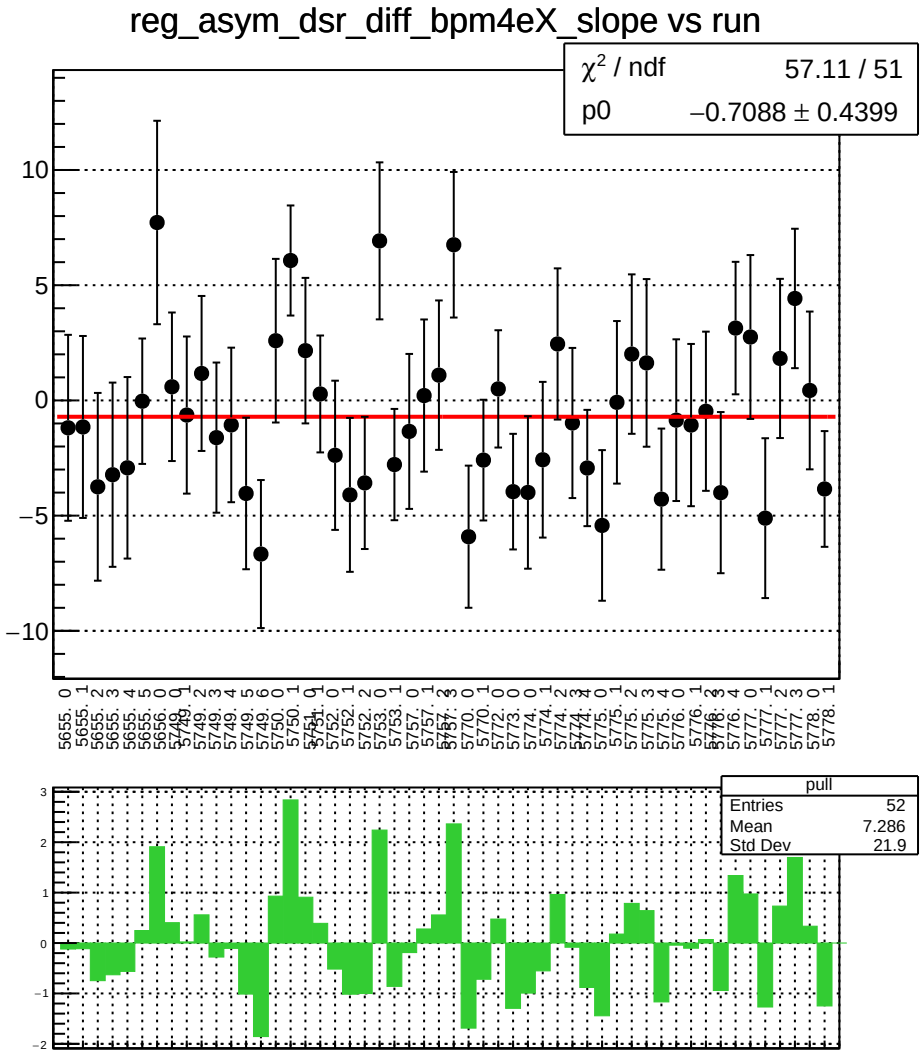

pull1D
Entries 52
Mean −0.02152
Std Dev 1.2

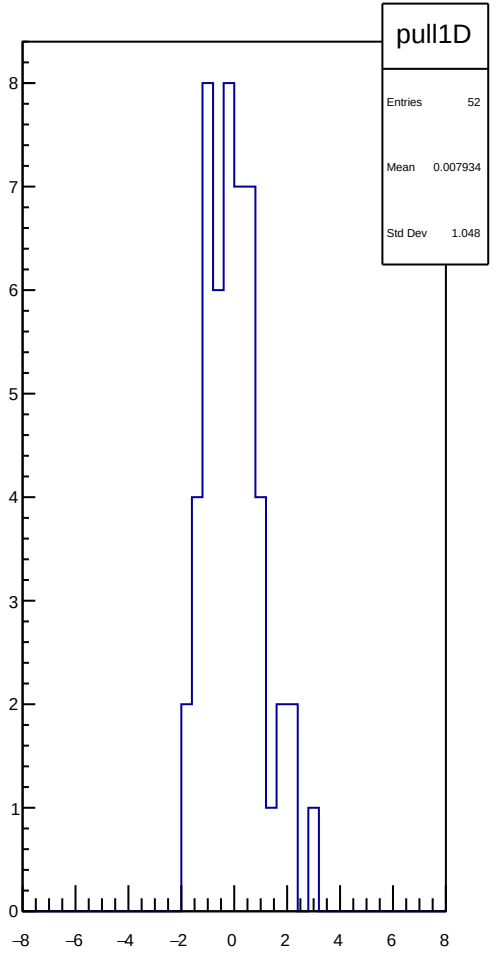

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 62.78 / 51
p0 0.3894 ± 0.2941
pull
Entries 52
Mean −923.1
Std Dev 0

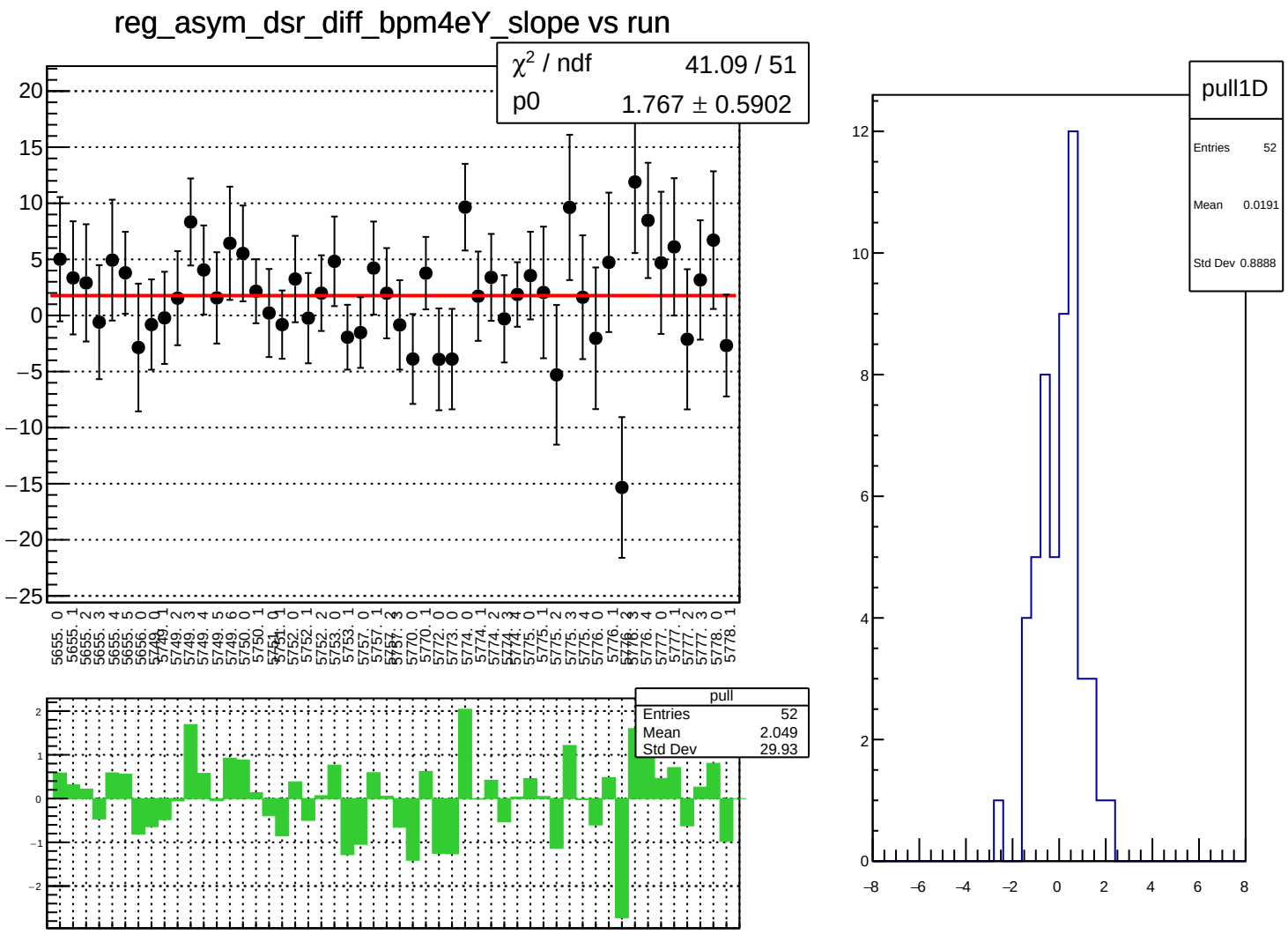

pull1D
Entries 52
Mean 0.0002841
Std Dev 1.099

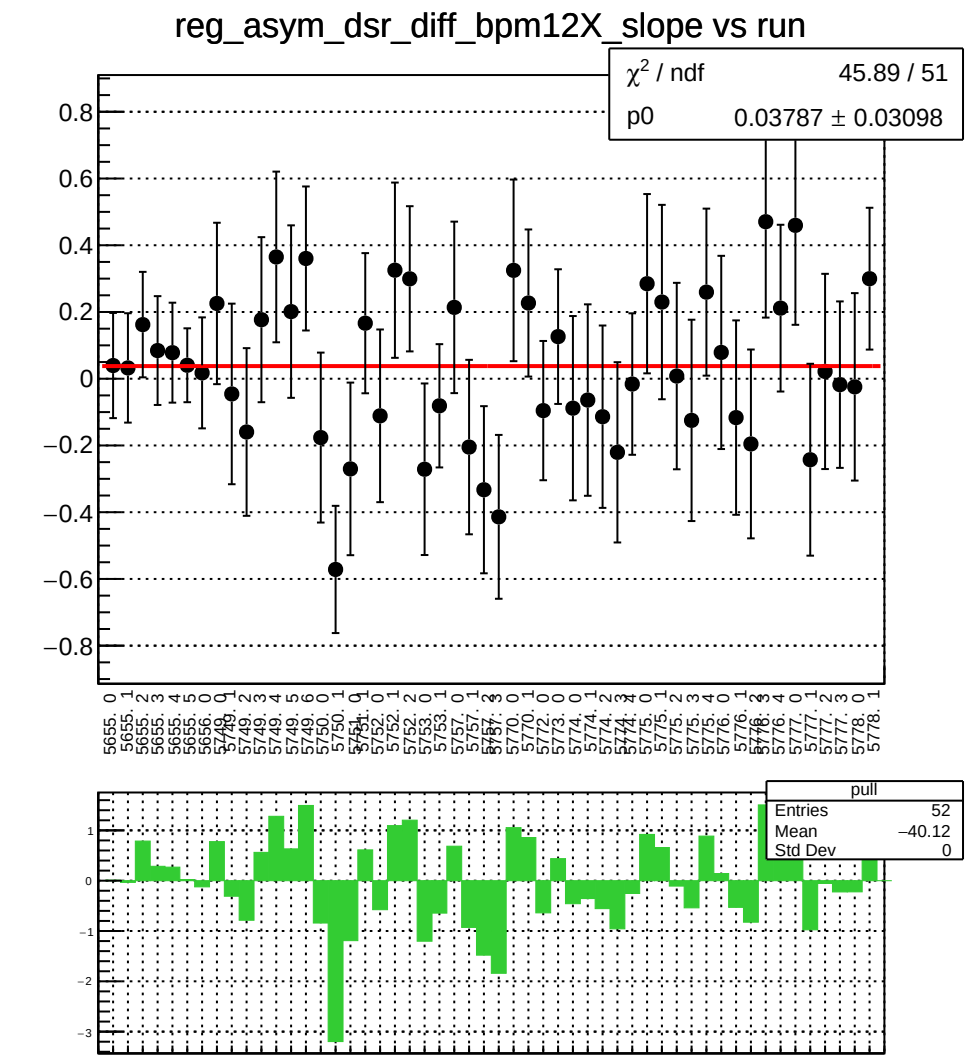

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 41.03 / 51
p0 −1.676 ± 0.5491
pull
Entries 52
Mean 24.88
Std Dev 35.8

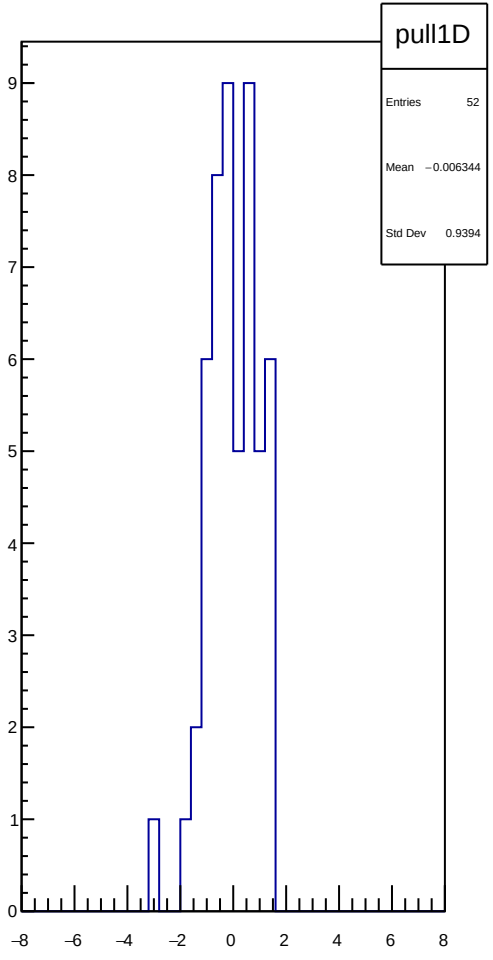

pull1D
Entries 52
Mean −0.01933
Std Dev 0.8881

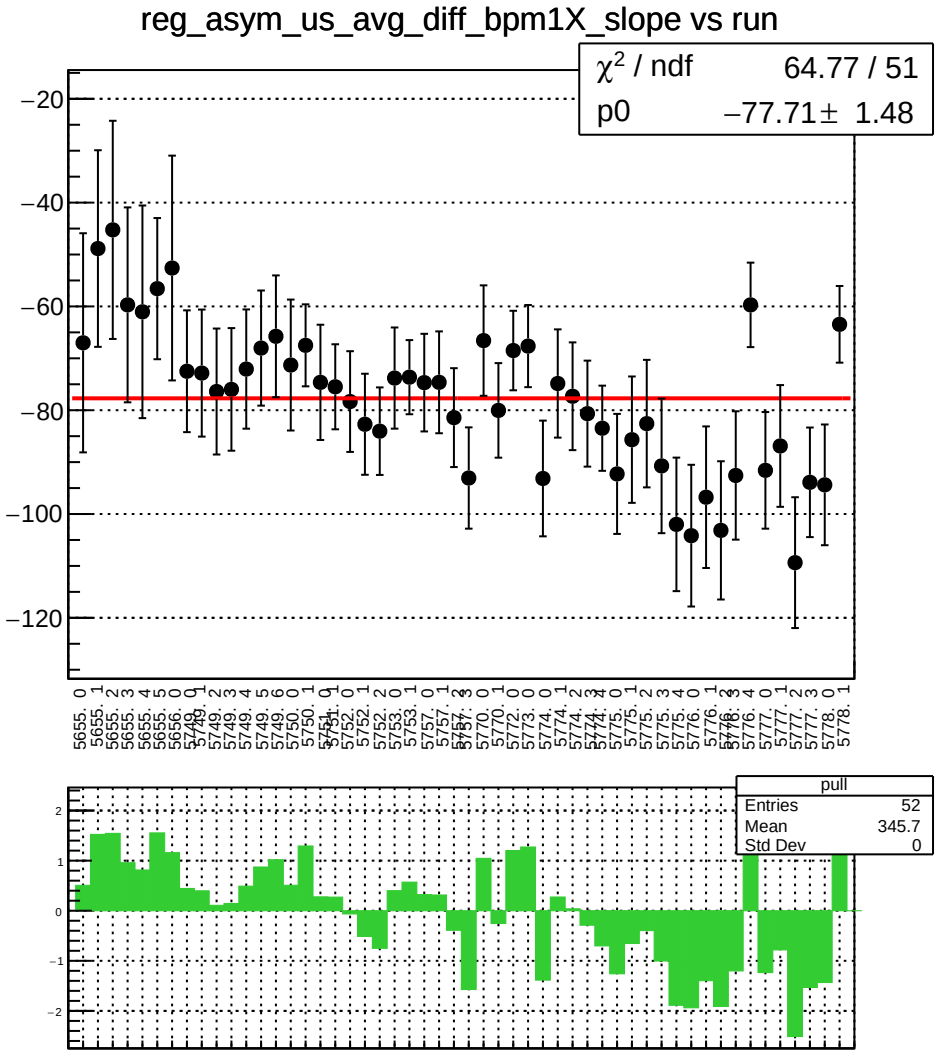

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 57.11 / 51
p0 −0.7088 ± 0.4399
pull
Entries 52
Mean 7.286
Std Dev 21.9

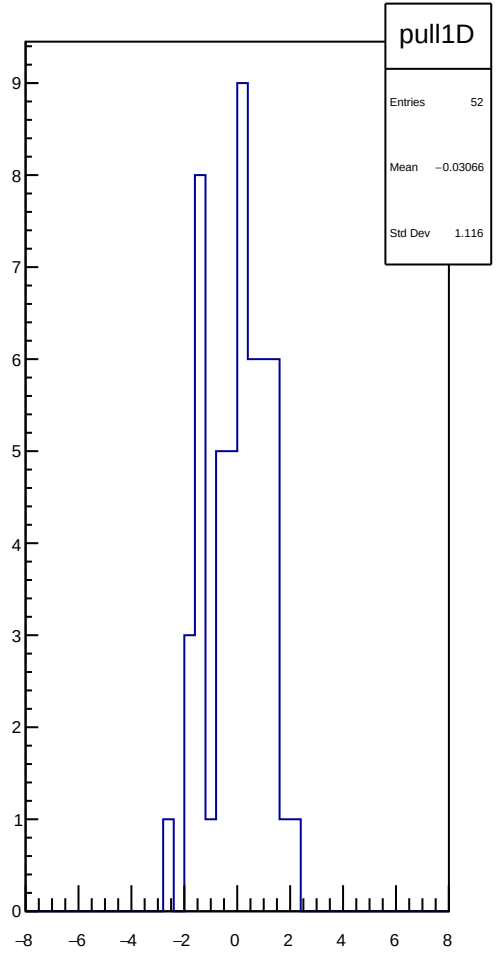

pull1D
Entries 52
Mean 0.007934
Std Dev 1.048

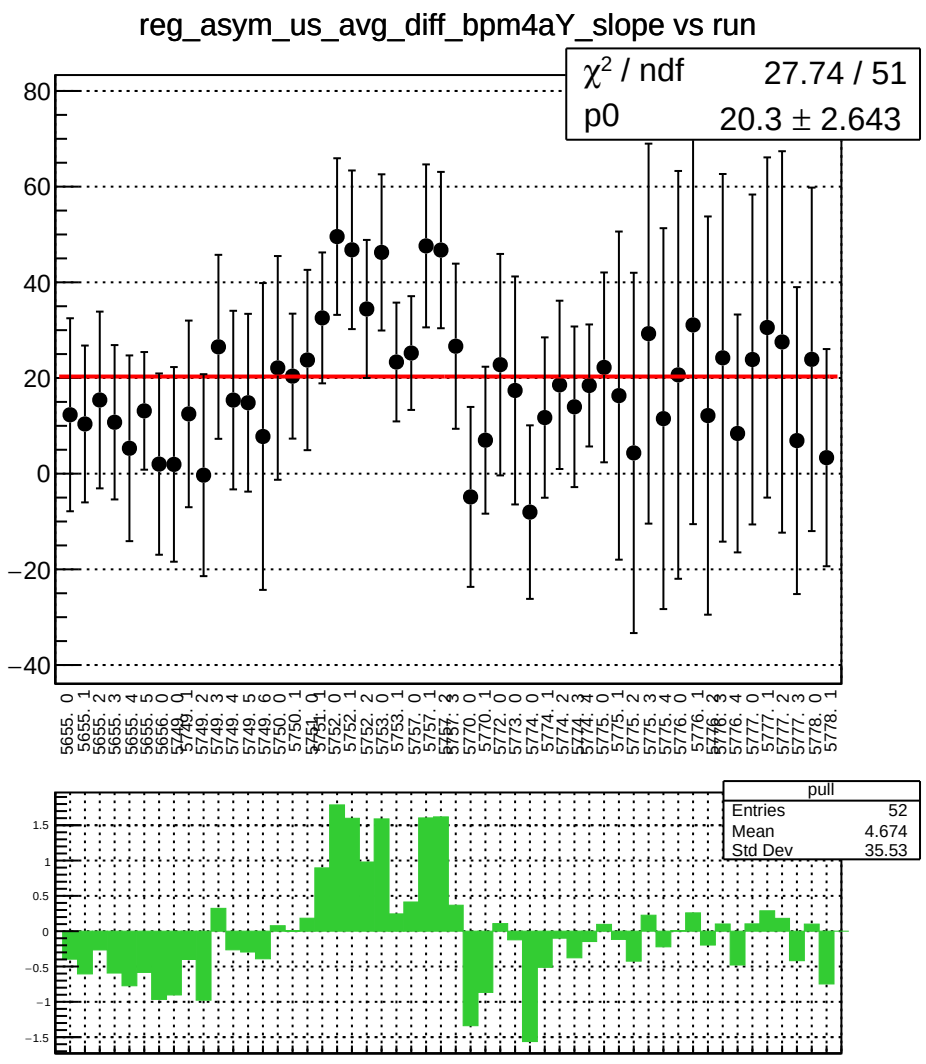

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 41.09 / 51
p0 1.767 ± 0.5902
pull
Entries 52
Mean 2.049
Std Dev 29.93
pull1D
Entries 52
Mean 0.0191
Std Dev 0.8888

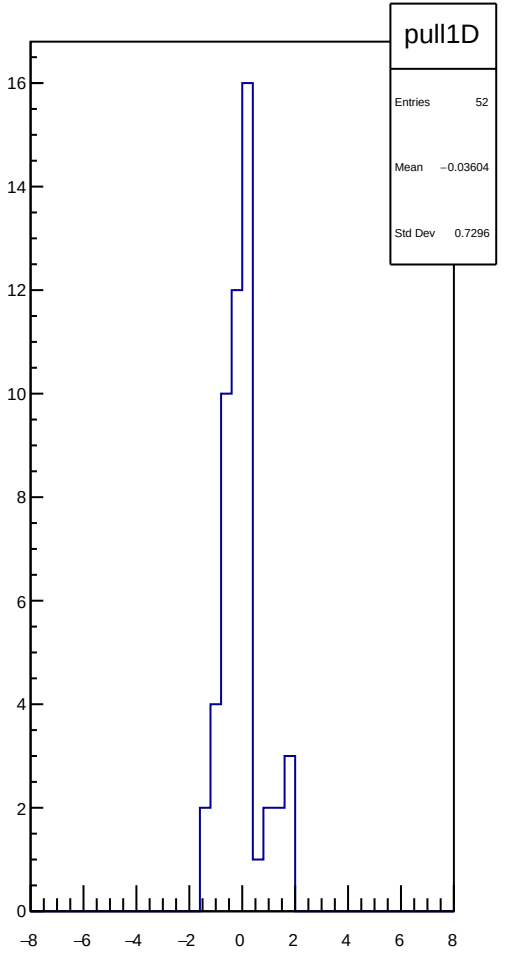

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 45.89 / 51
p0 0.03787 ± 0.03098
pull
Entries 52
Mean −40.12
Std Dev 0

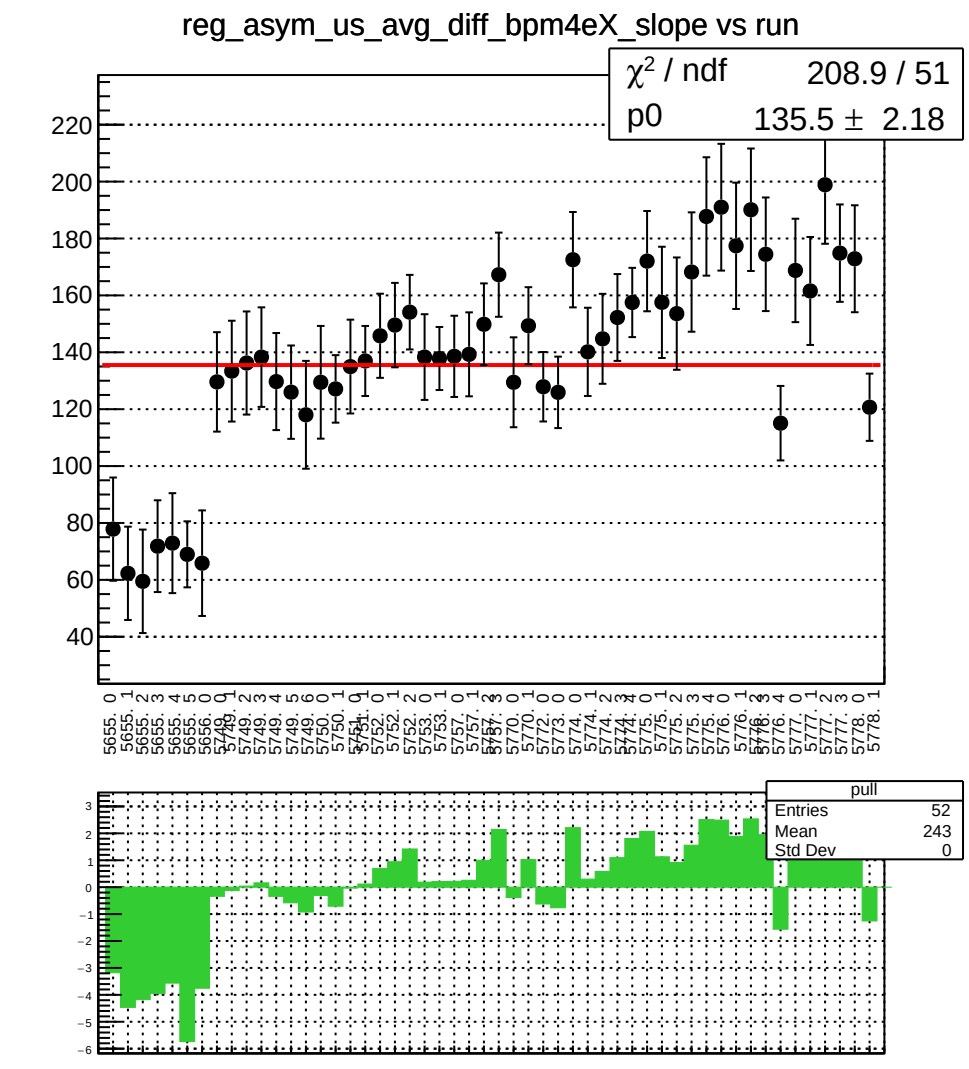

pull1D
Entries 52
Mean −0.006344
Std Dev 0.9394

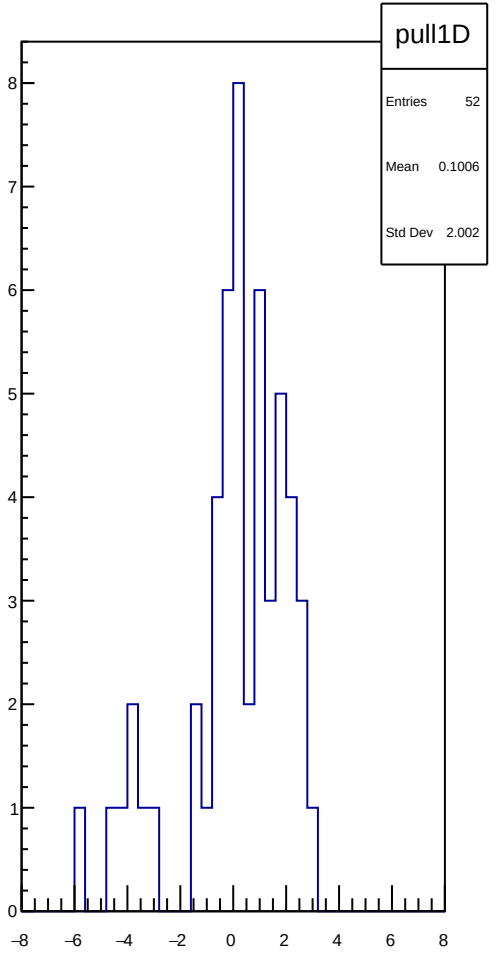

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 64.77 / 51
p0 −77.71± 1.48
pull
Entries 52
Mean 345.7
Std Dev 0

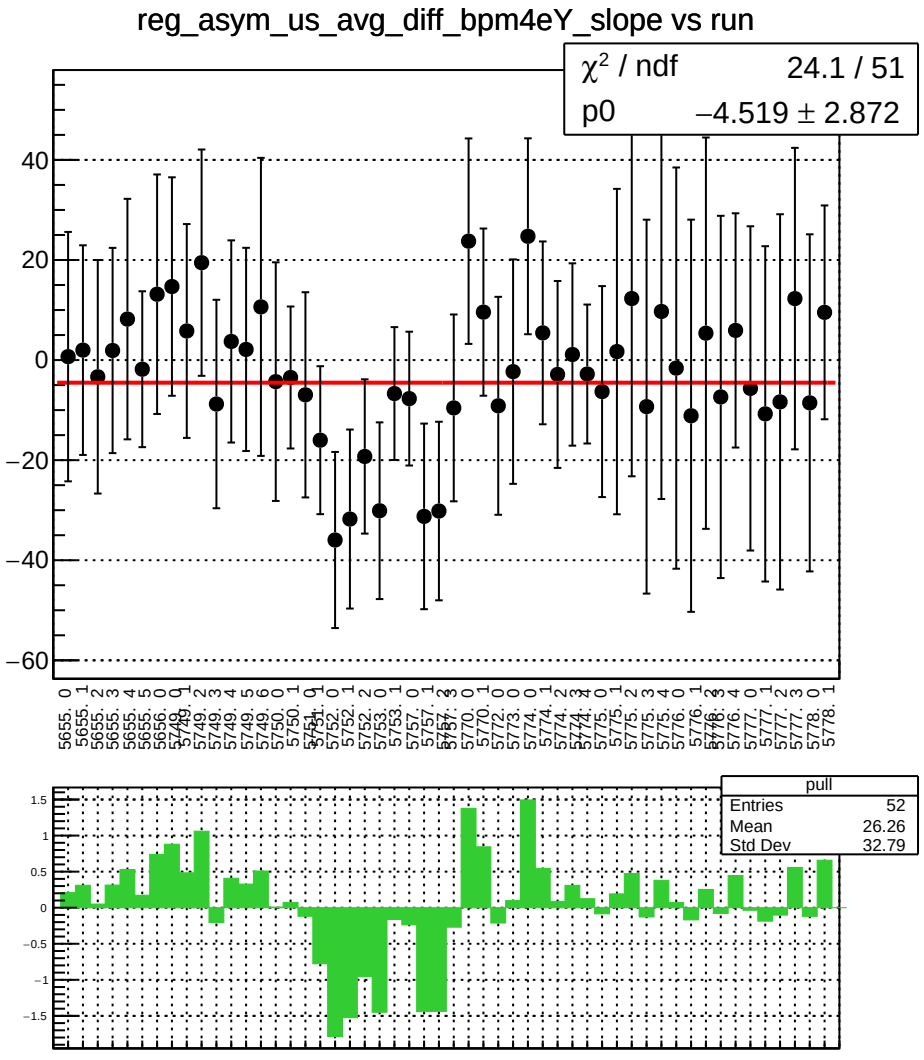

pull1D
Entries 52
Mean −0.03066
Std Dev 1.116

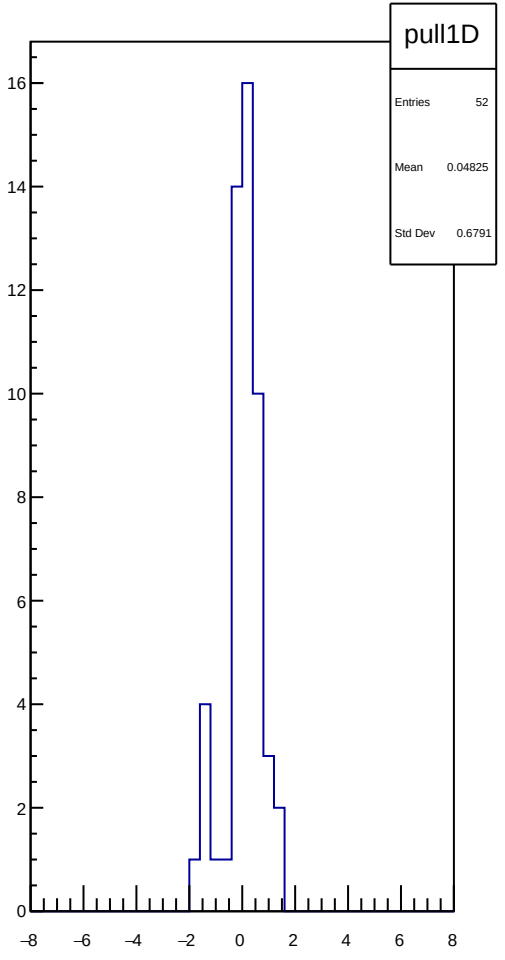

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 27.74 / 51
p0 20.3 ± 2.643
pull
Entries 52
Mean 4.674
Std Dev 35.53

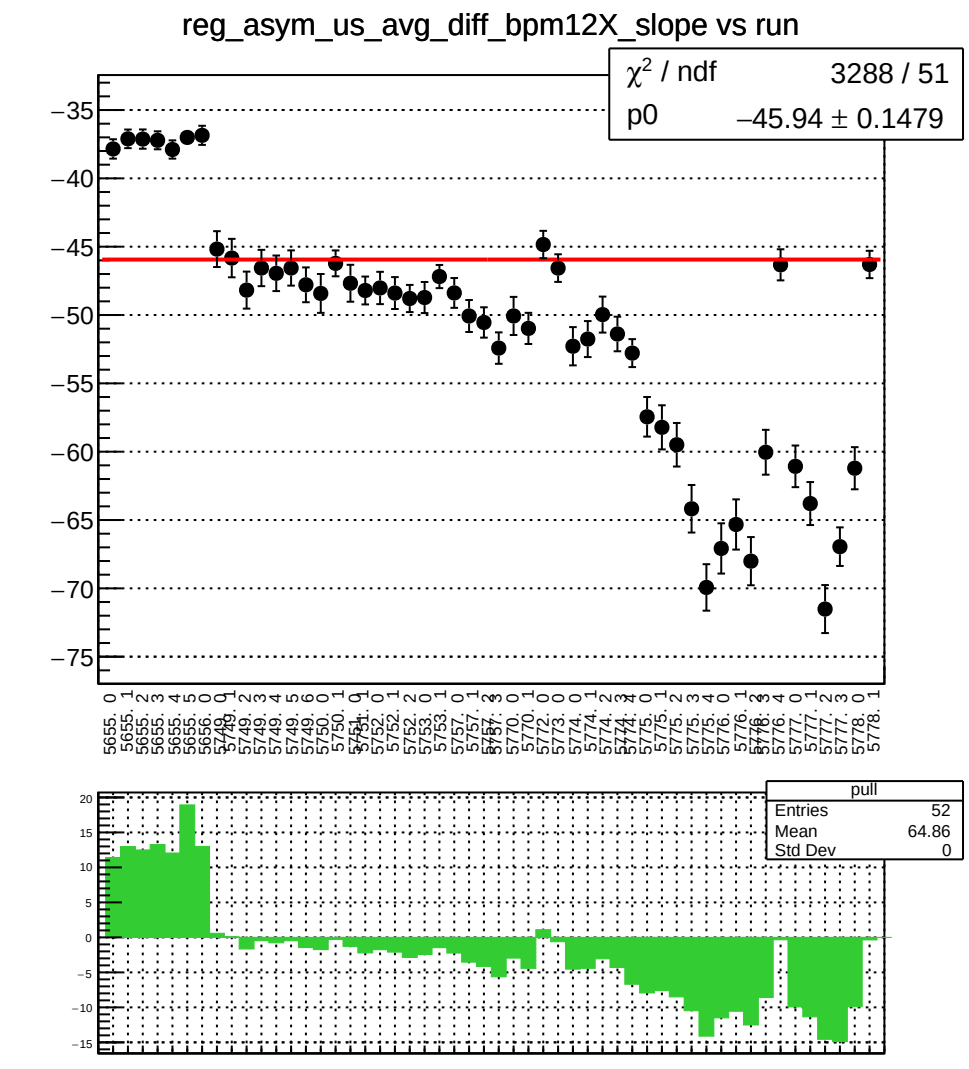

pull1D
Entries 52
Mean −0.03604
Std Dev 0.7296

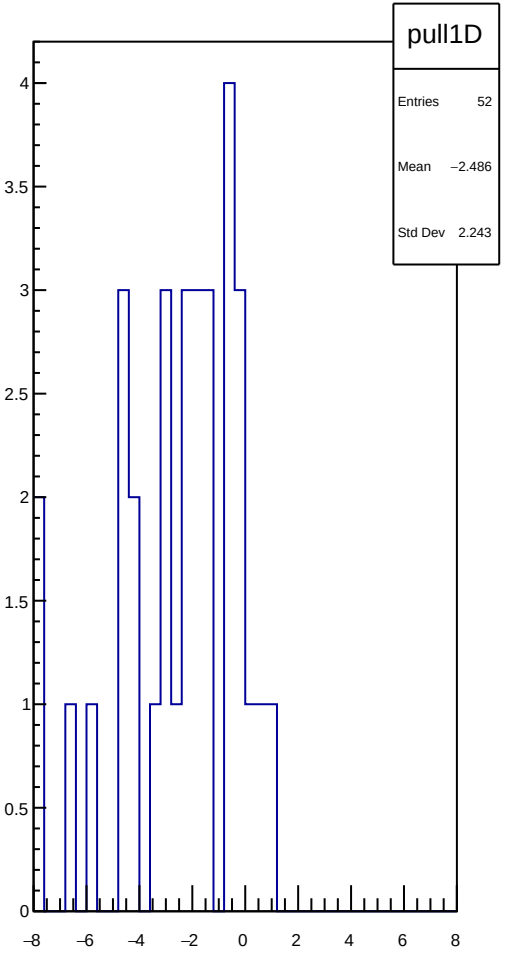

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 208.9 / 51
p0 135.5 ± 2.18
pull
Entries 52
Mean 243
Std Dev 0

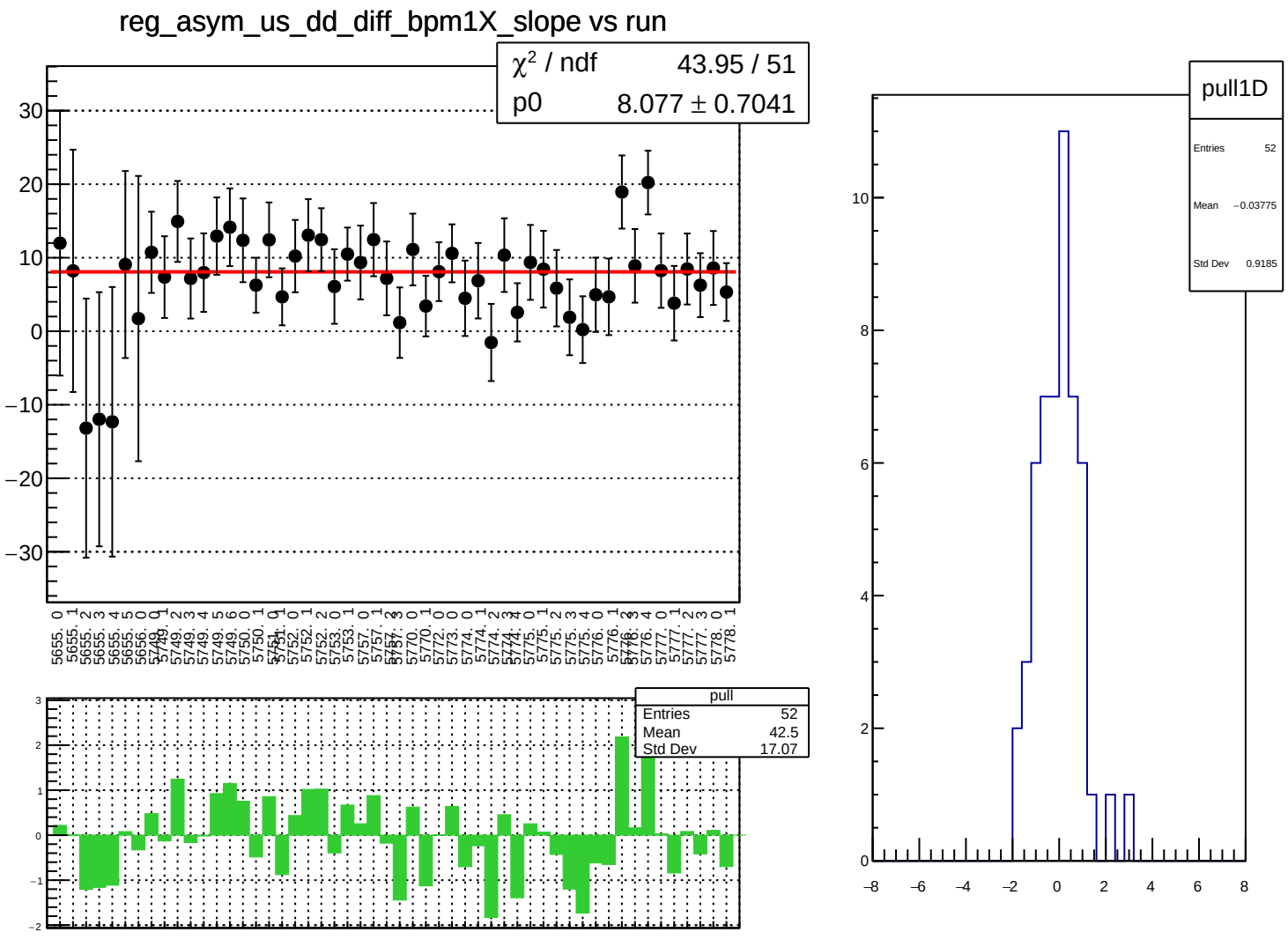

pull1D
Entries 52
Mean 0.1006
Std Dev 2.002

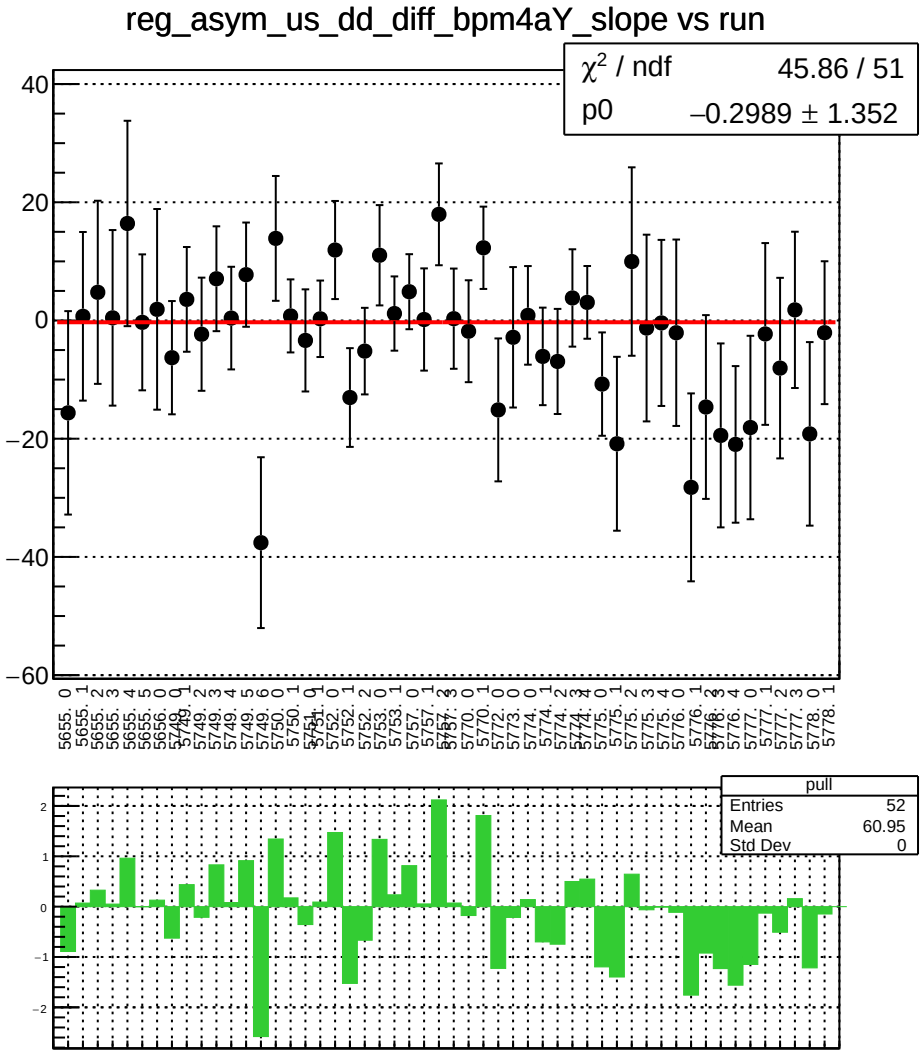

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 24.1 / 51
p0 −4.519 ± 2.872
pull
Entries 52
Mean 26.26
Std Dev 32.79

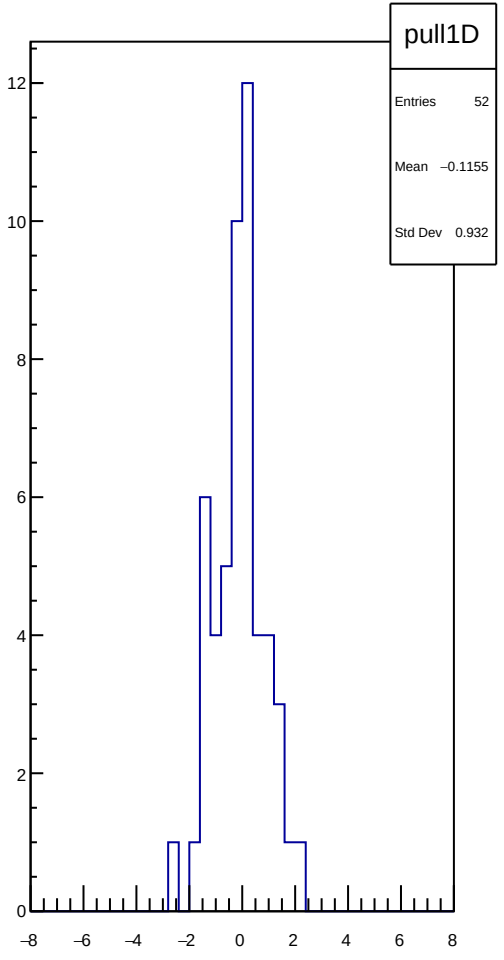

pull1D
Entries 52
Mean 0.04825
Std Dev 0.6791

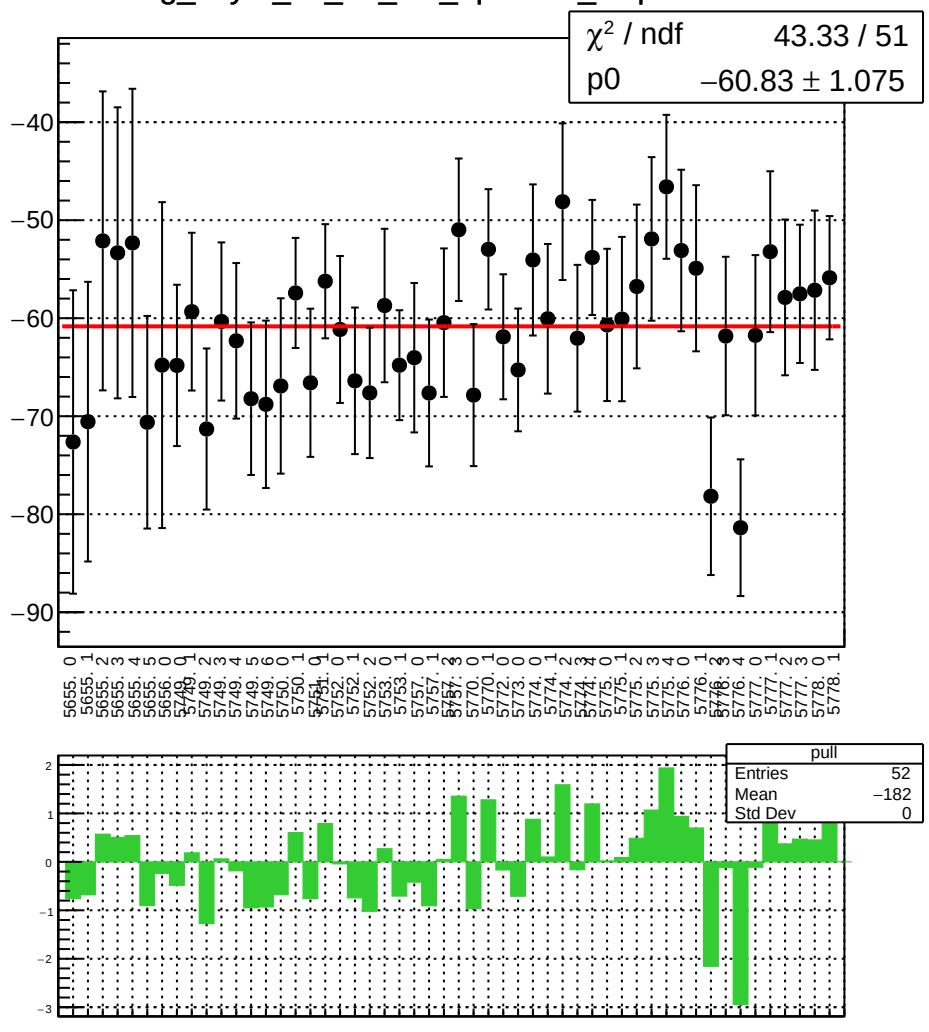

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 3288 / 51
p0 −45.94 ± 0.1479
pull
Entries 52
Mean 64.86
Std Dev 0

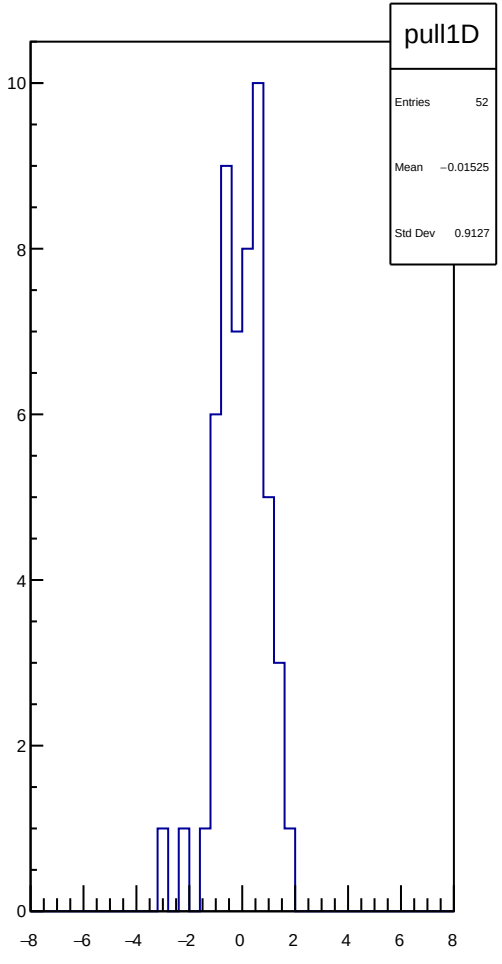

pull1D
Entries 52
Mean −2.486
Std Dev 2.243

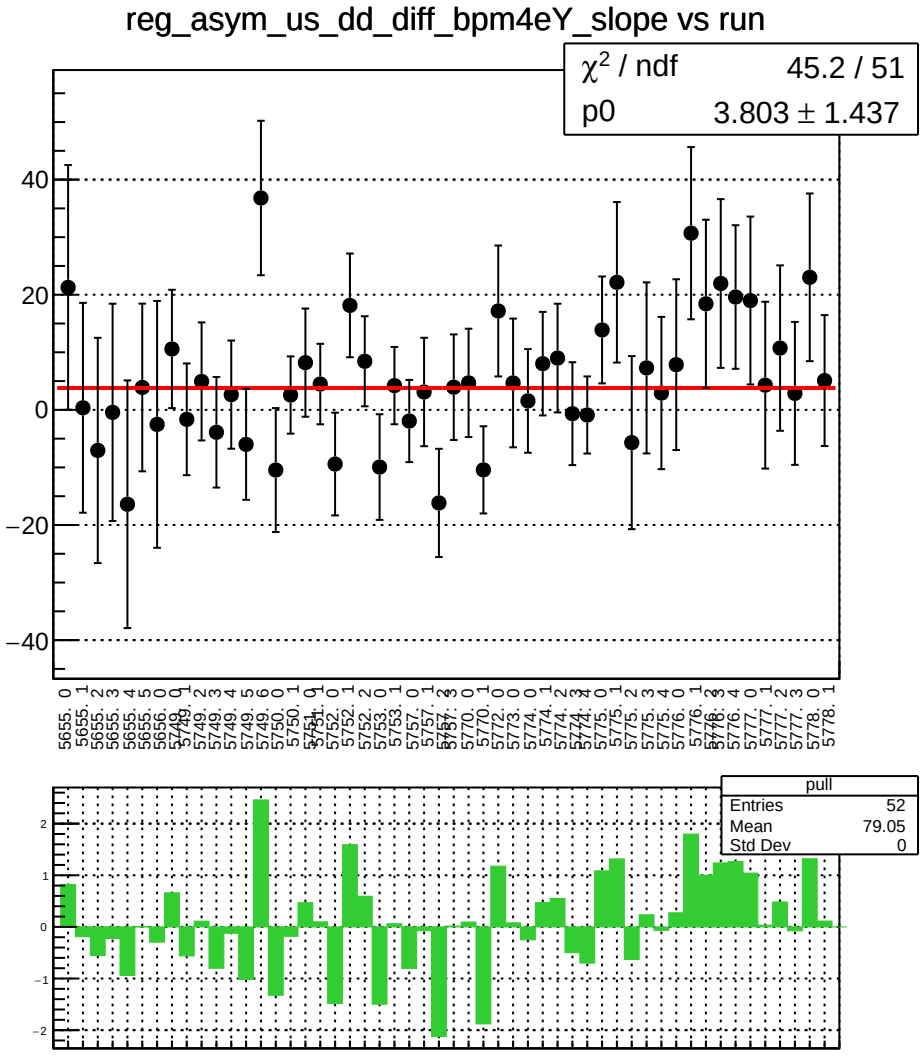

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 43.95 / 51
p0 8.077 ± 0.7041
pull
Entries 52
Mean 42.5
Std Dev 17.07
pull1D
Entries 52
Mean −0.03775
Std Dev 0.9185

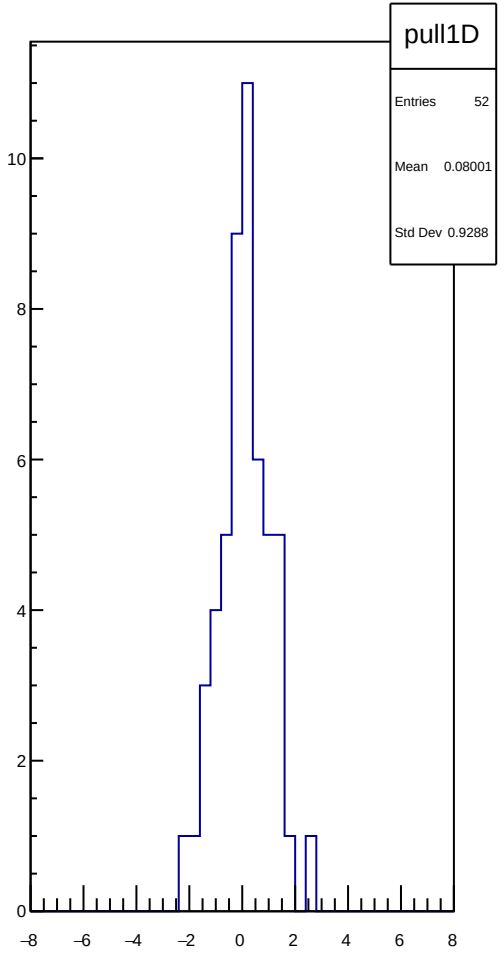

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 45.86 / 51
p0 −0.2989 ± 1.352
pull
Entries 52
Mean 60.95
Std Dev 0

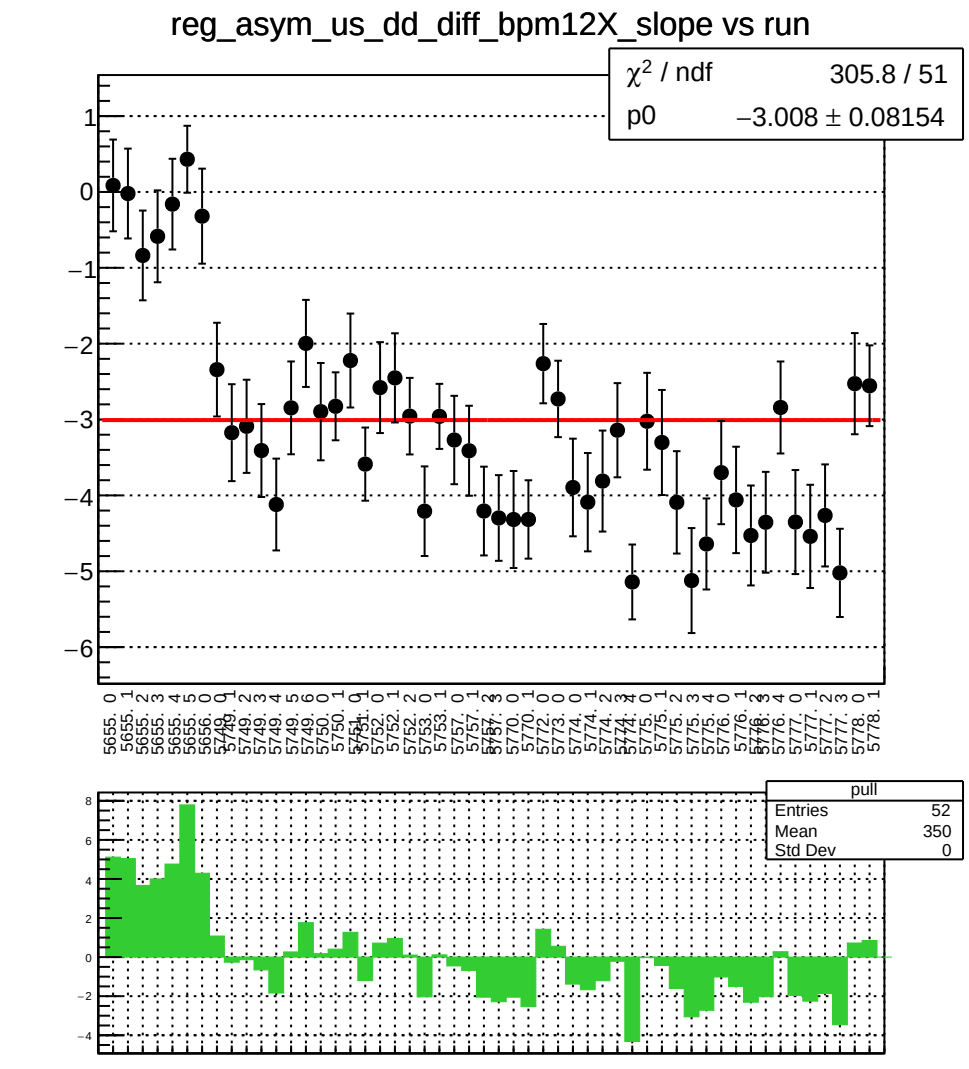

pull1D
Entries 52
Mean −0.1155
Std Dev 0.932

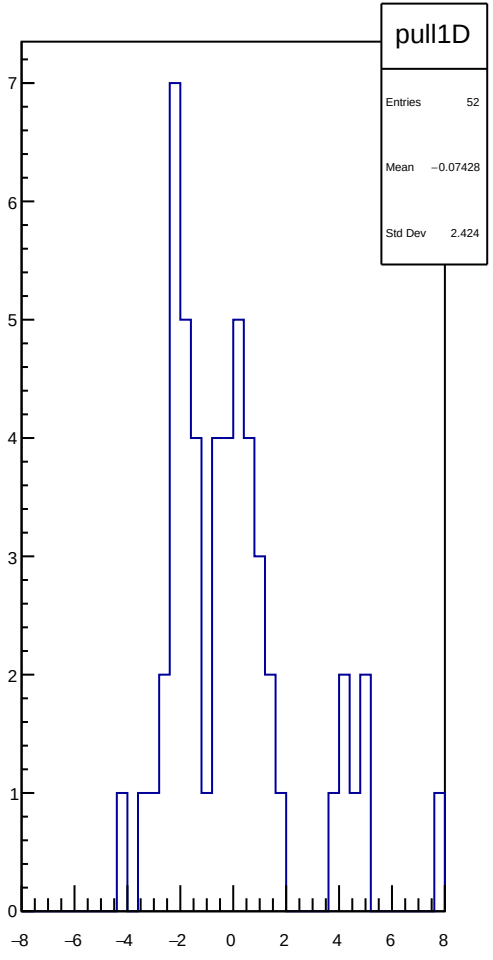

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 43.33 / 51
p0 −60.83 ± 1.075
pull
Entries 52
Mean −182
Std Dev 0

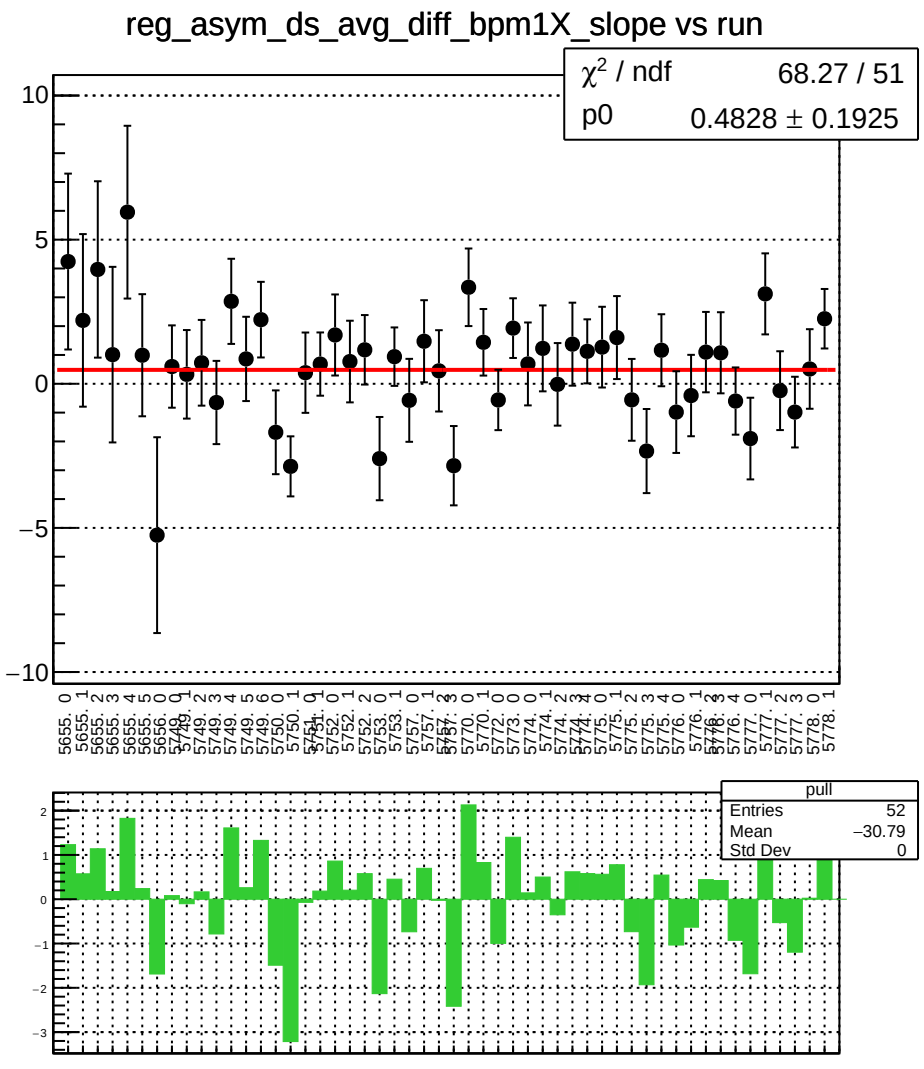

pull1D
Entries 52
Mean −0.01525
Std Dev 0.9127

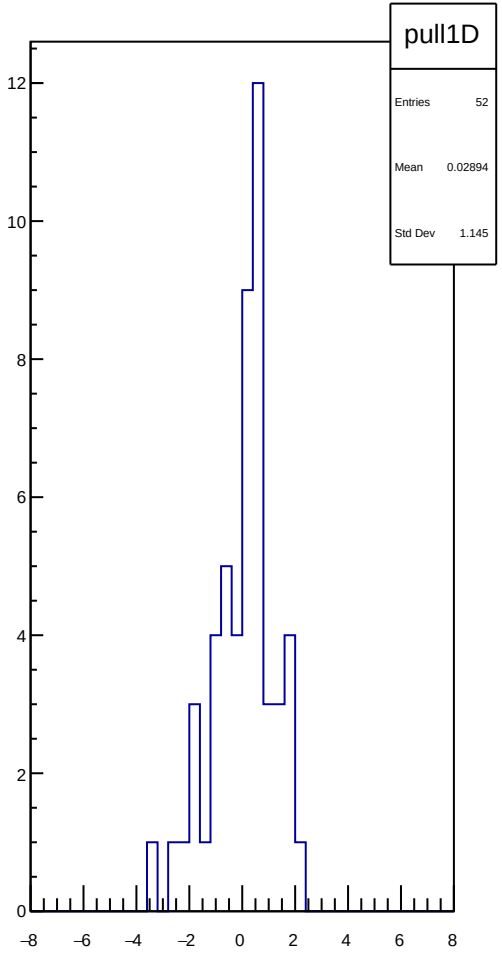

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 45.2 / 51
p0 3.803 ± 1.437
pull
Entries 52
Mean 79.05
Std Dev 0

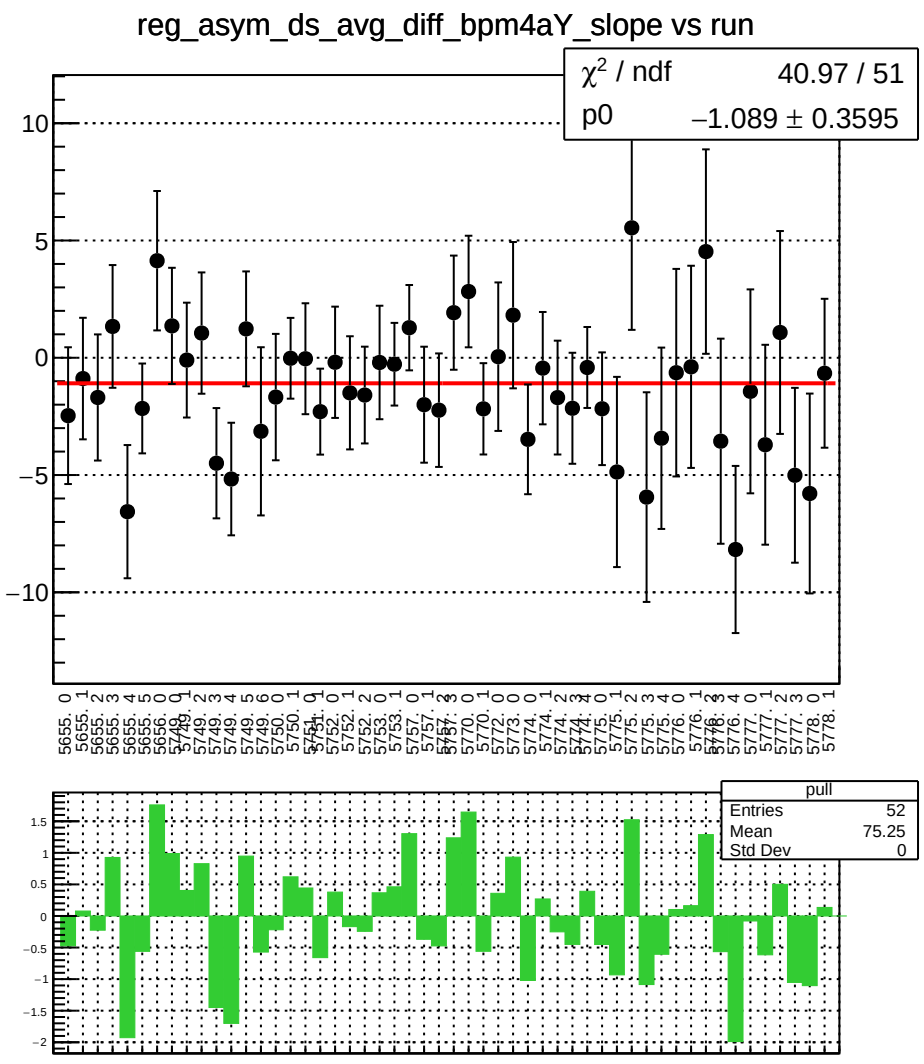

pull1D
Entries 52
Mean 0.08001
Std Dev 0.9288

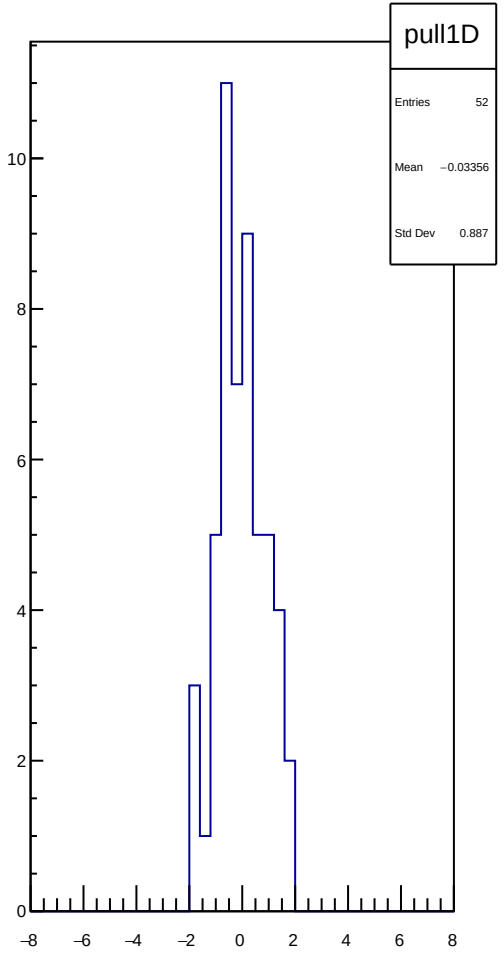

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 305.8 / 51
p0 −3.008 ± 0.08154
pull
Entries 52
Mean 350
Std Dev 0

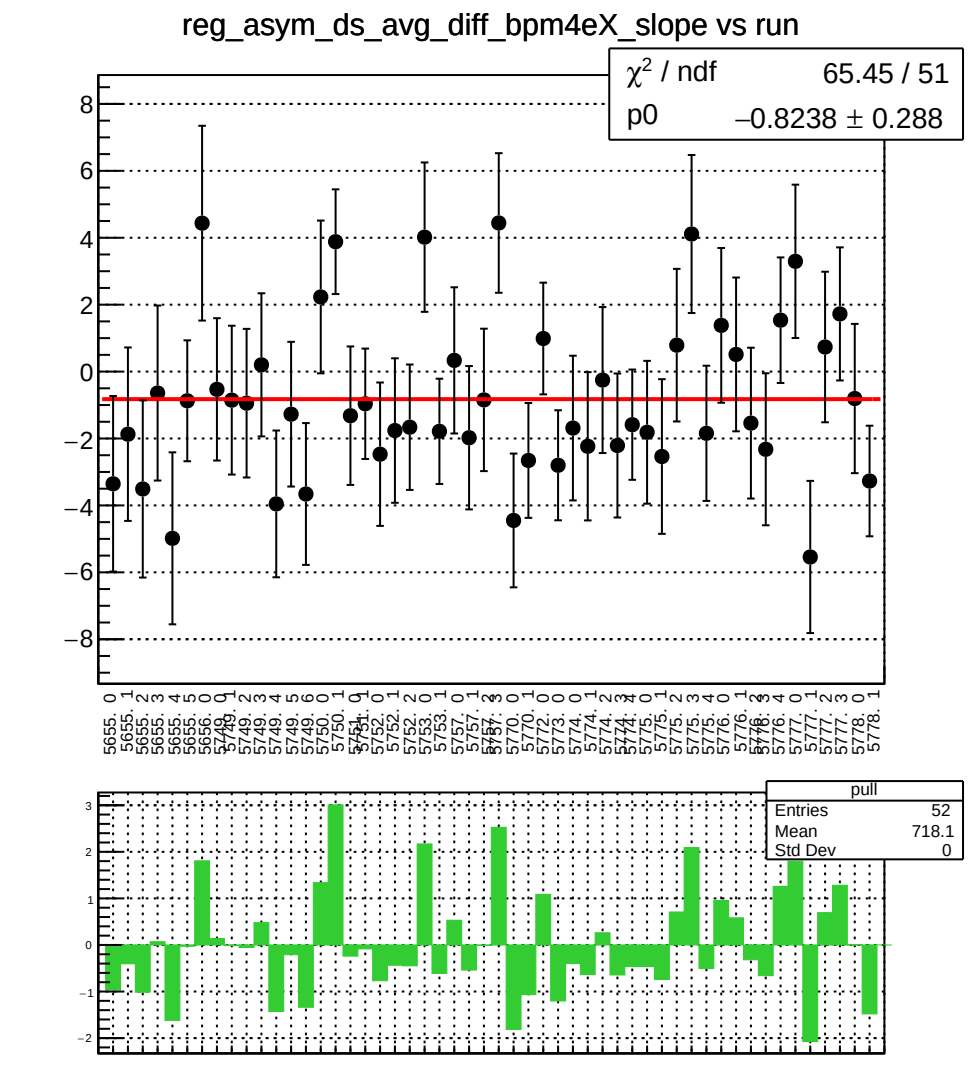

pull1D
Entries 52
Mean −0.07428
Std Dev 2.424

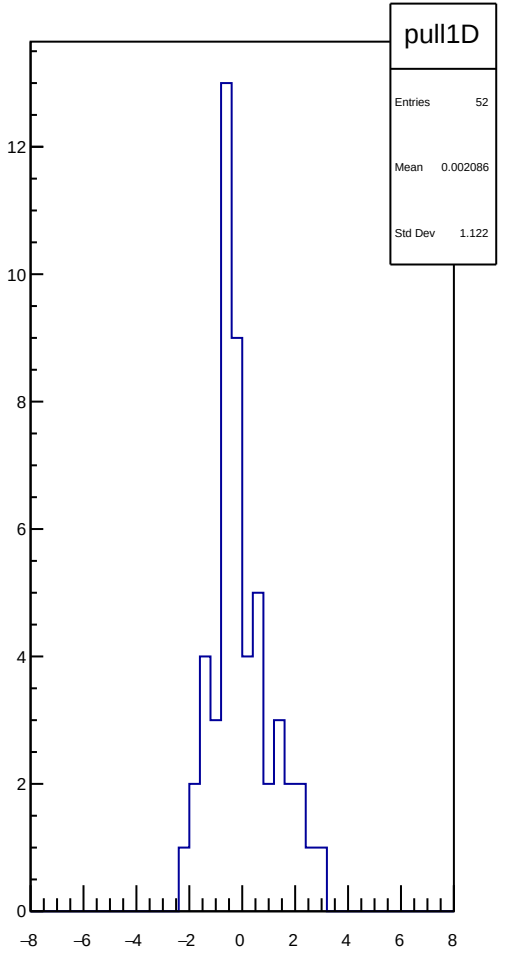

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 68.27 / 51
p0 0.4828 ± 0.1925
pull
Entries 52
Mean −30.79
Std Dev 0

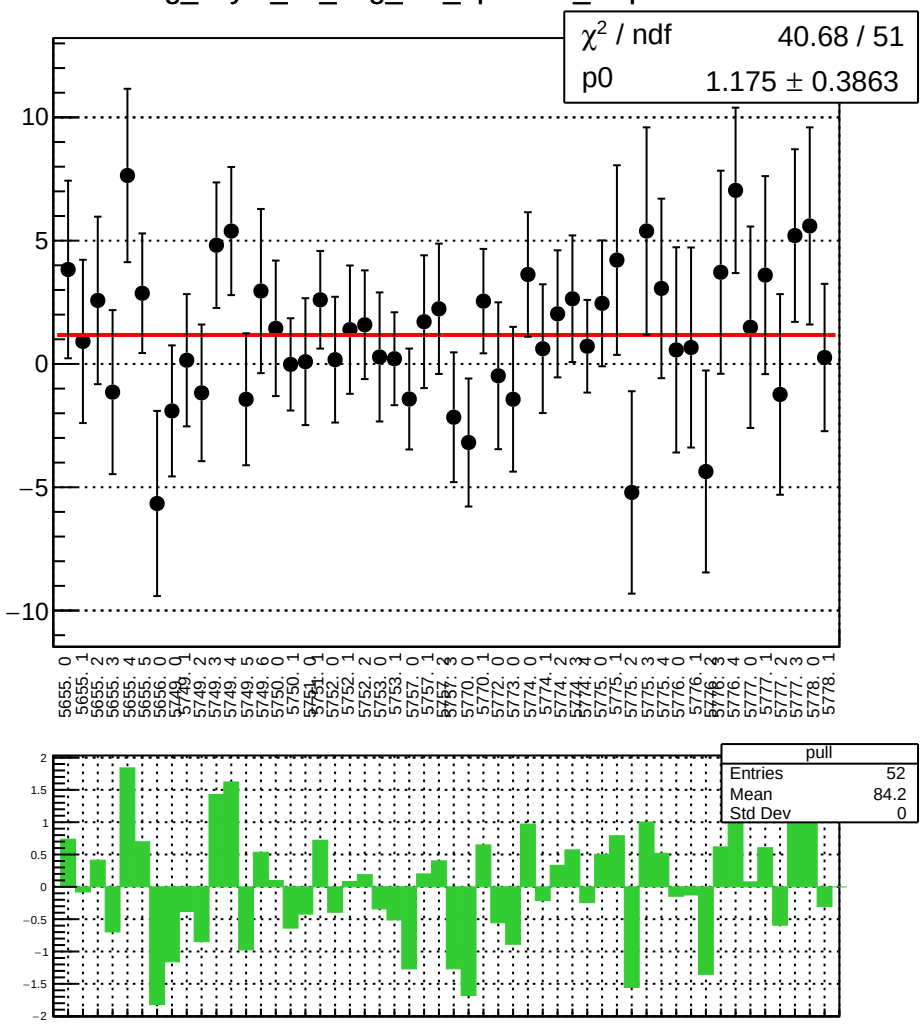

pull1D
Entries 52
Mean 0.02894
Std Dev 1.145

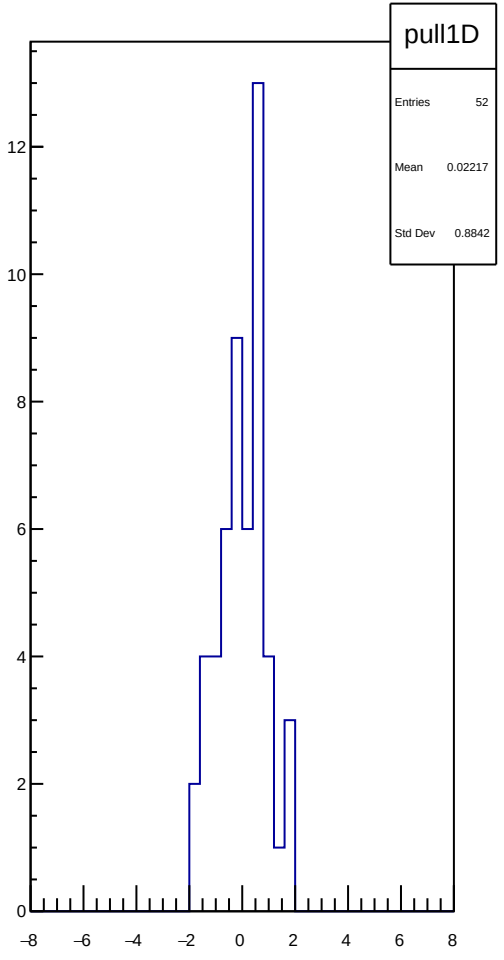

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 40.97 / 51
p0 −1.089 ± 0.3595
pull
Entries 52
Mean 75.25
Std Dev 0

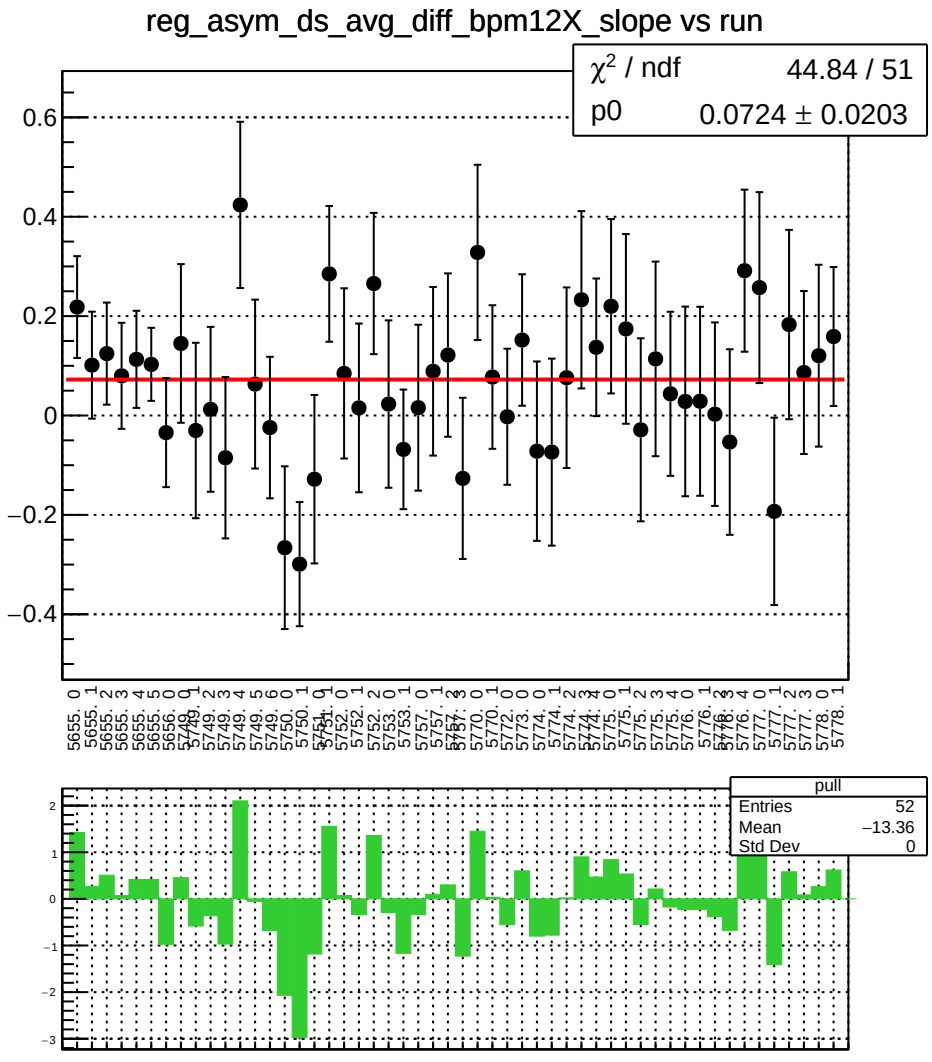

pull1D
Entries 52
Mean −0.03356
Std Dev 0.887

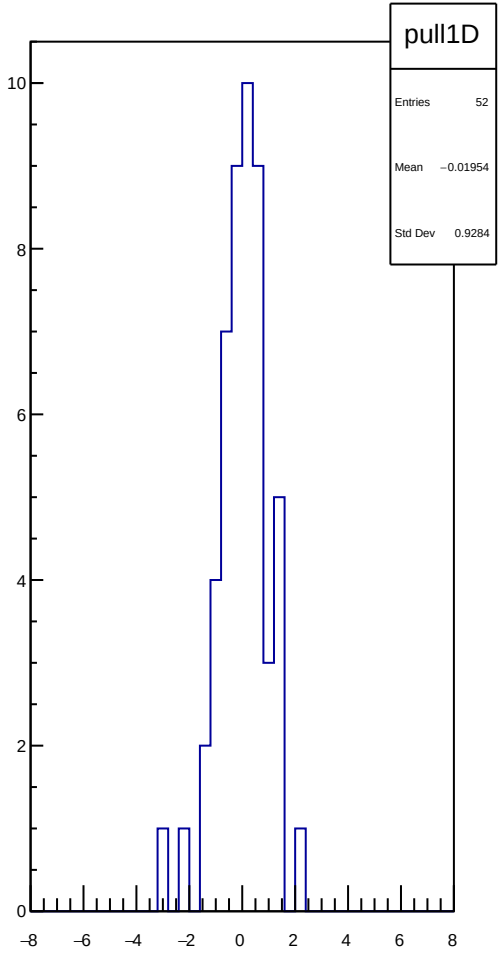

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 65.45 / 51
p0 −0.8238 ± 0.288
pull
Entries 52
Mean 718.1
Std Dev 0

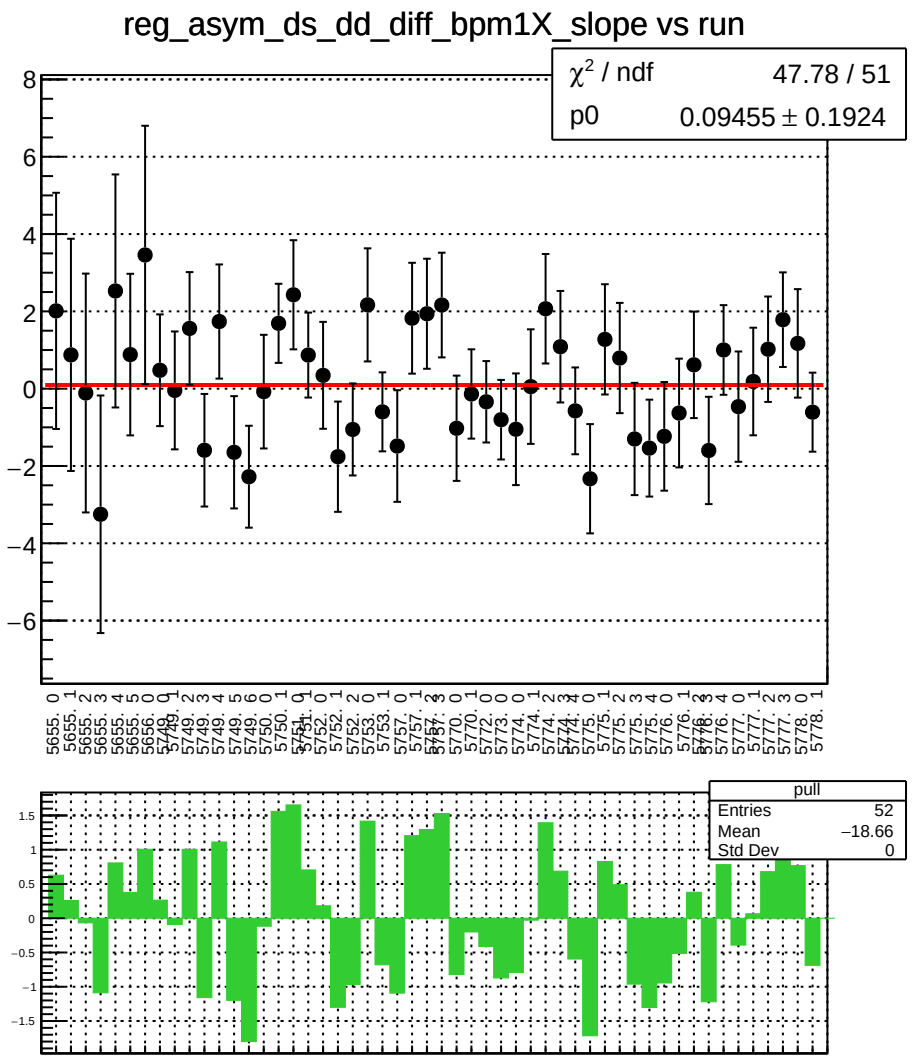

pull1D
Entries 52
Mean 0.002086
Std Dev 1.122

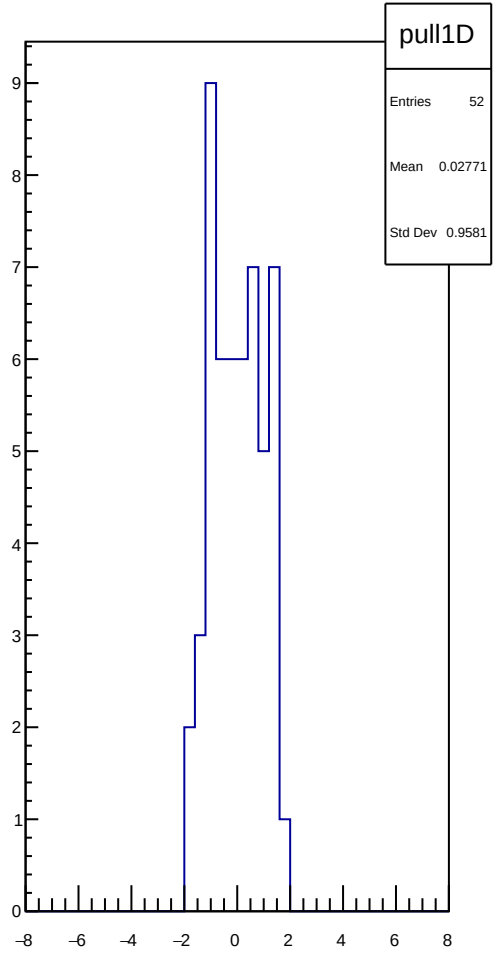

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 40.68 / 51
p0 1.175 ± 0.3863
pull
Entries 52
Mean 84.2
Std Dev 0

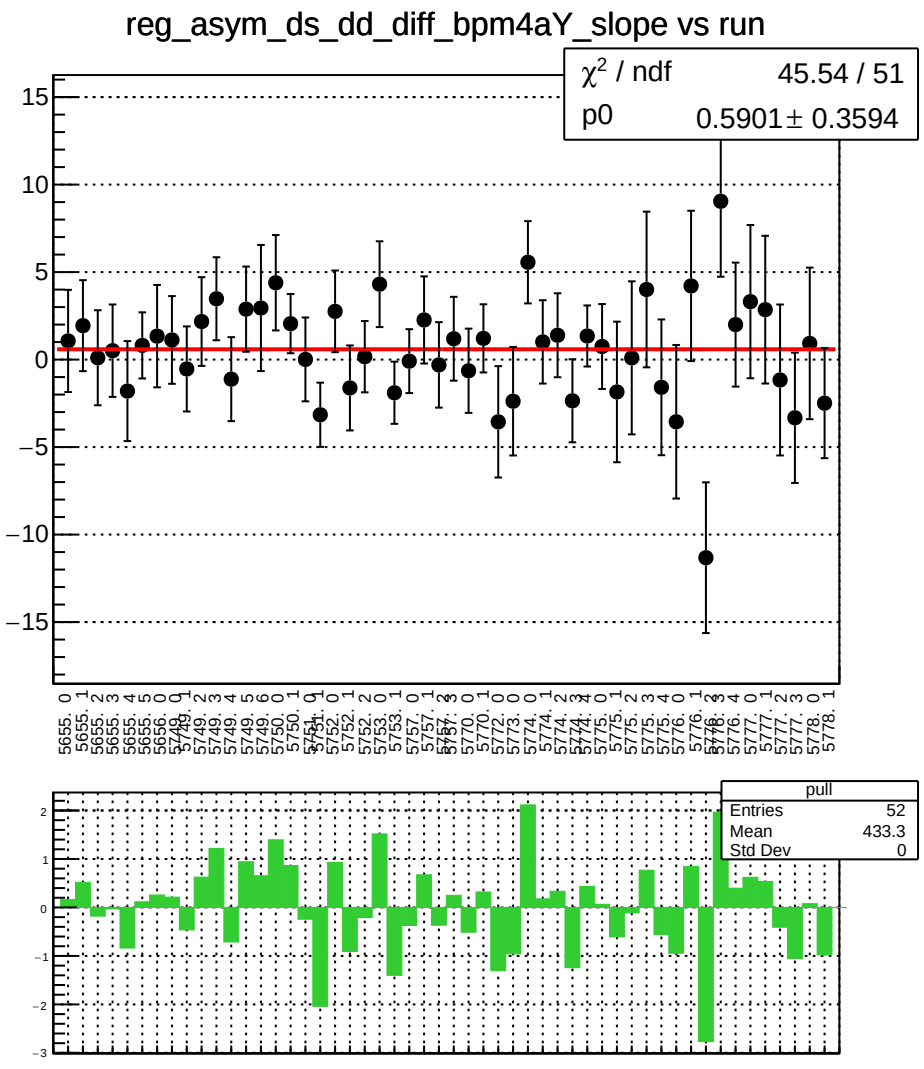

pull1D
Entries 52
Mean 0.02217
Std Dev 0.8842

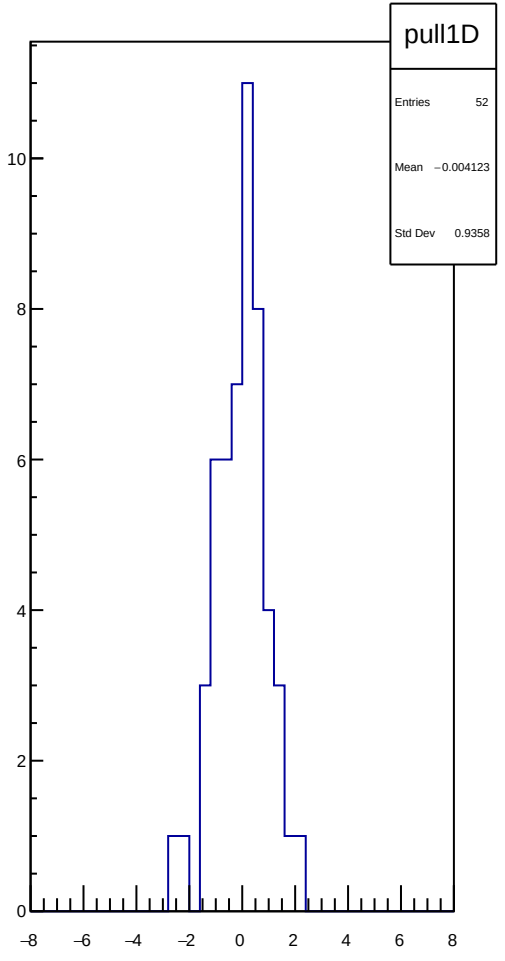

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 44.84 / 51
p0 0.0724 ± 0.0203
pull
Entries 52
Mean −13.36
Std Dev 0

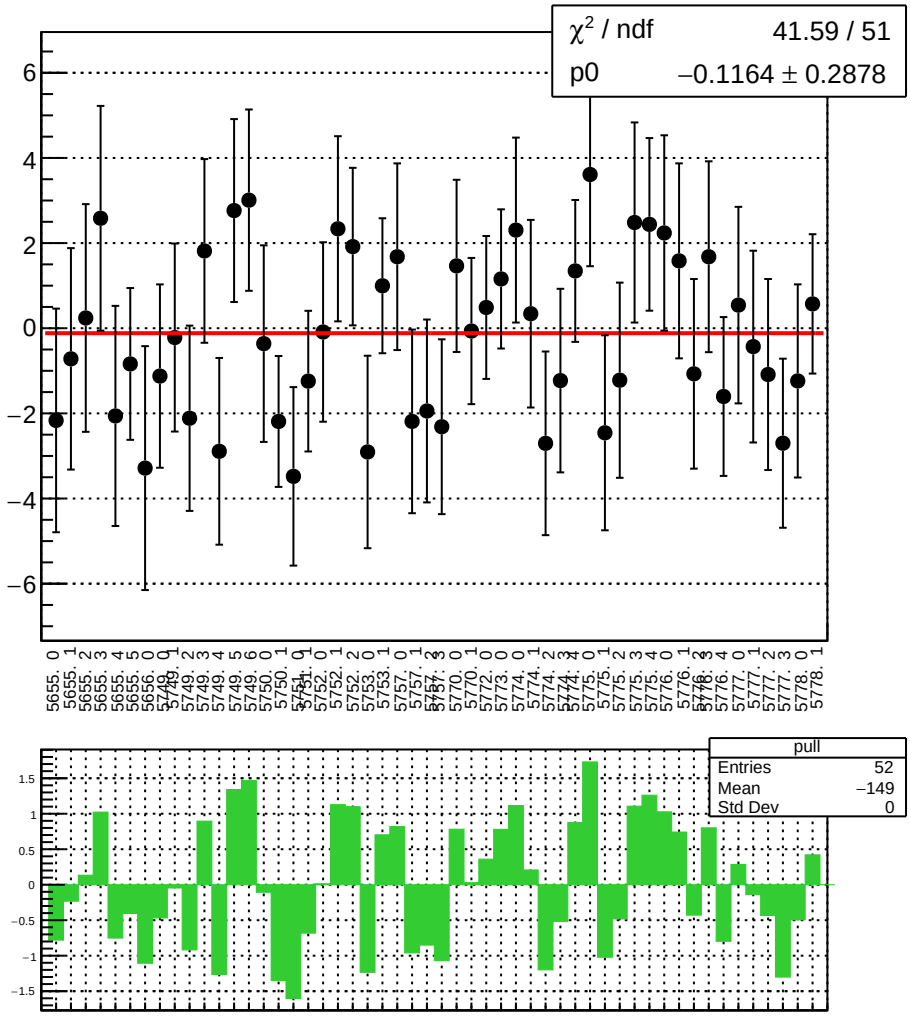

pull1D
Entries 52
Mean −0.01954
Std Dev 0.9284

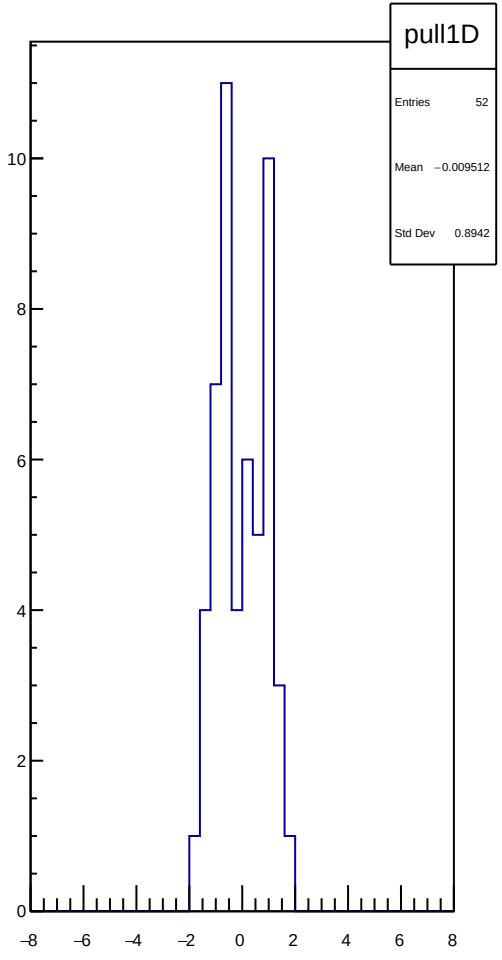

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 47.78 / 51
p0 0.09455 ± 0.1924
pull
Entries 52
Mean −18.66
Std Dev 0

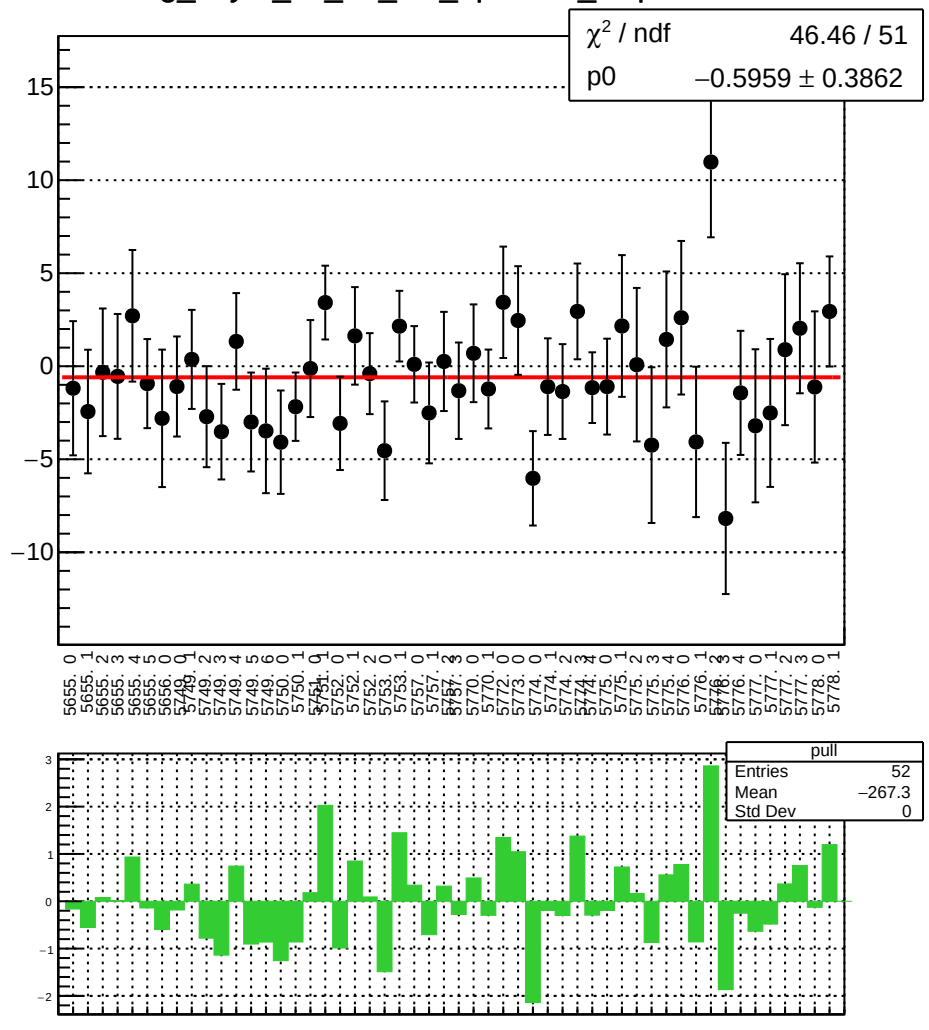

pull1D
Entries 52
Mean 0.02771
Std Dev 0.9581

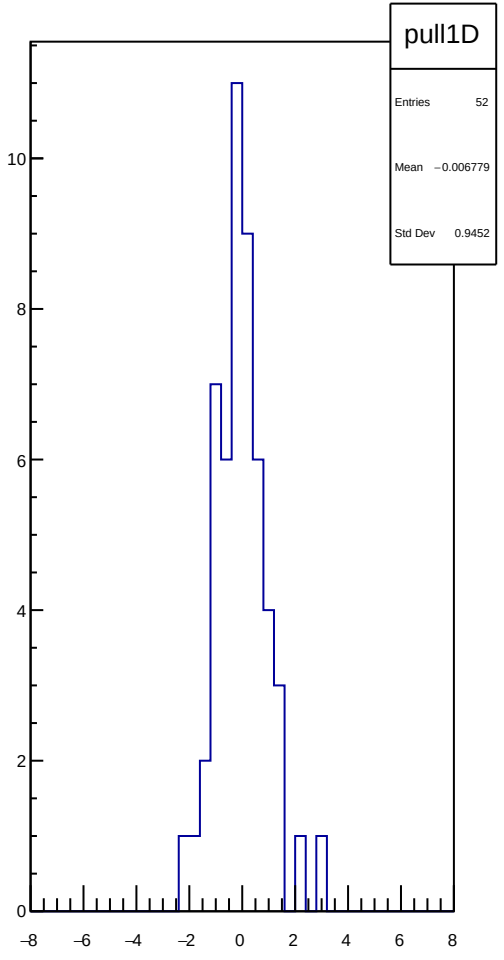

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 45.54 / 51
p0 0.5901 ± 0.3594
pull
Entries 52
Mean 433.3
Std Dev 0

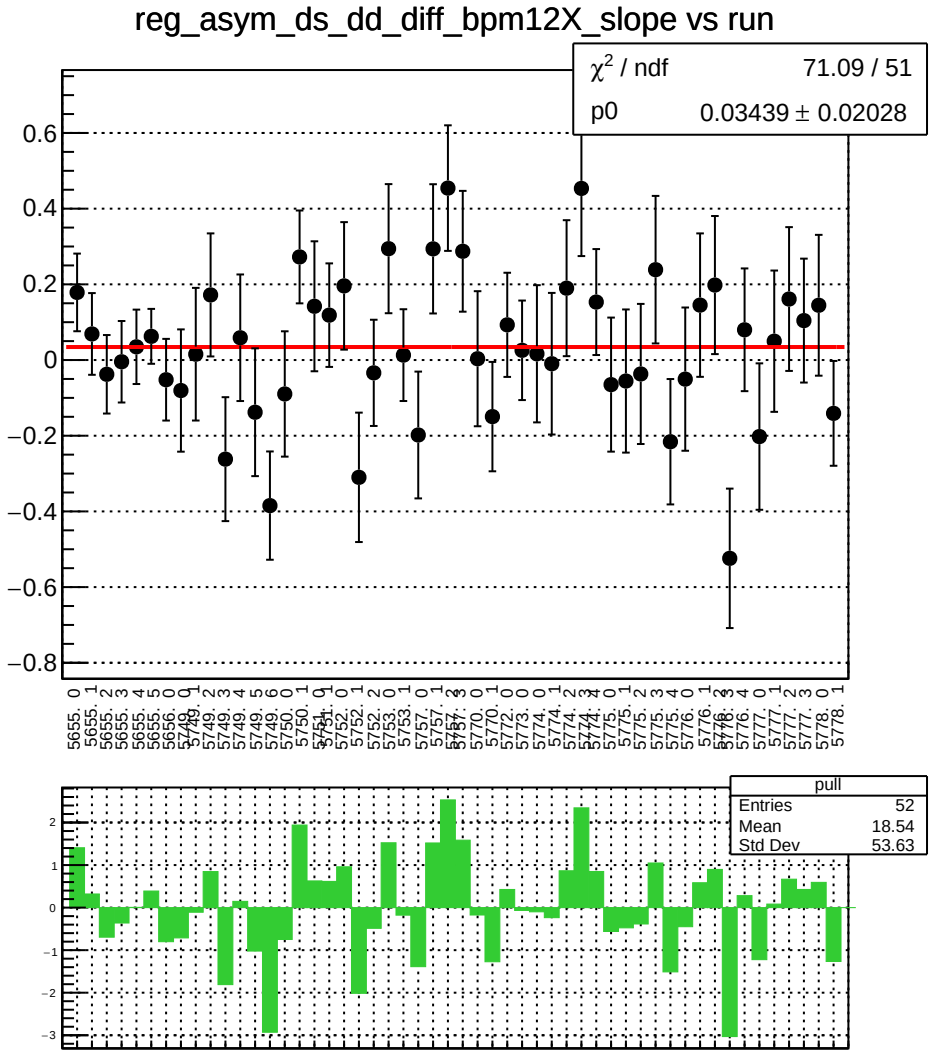

pull1D
Entries 52
Mean −0.004123
Std Dev 0.9358

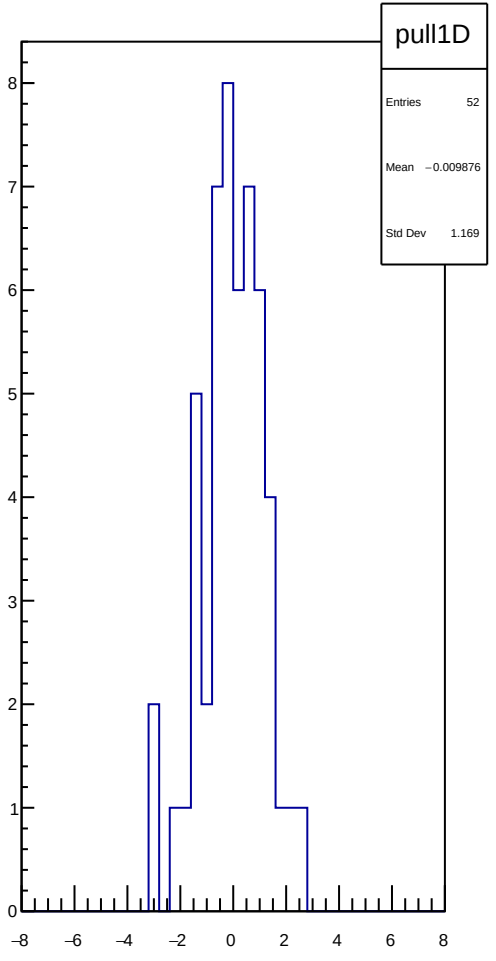

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 41.59 / 51
p0 −0.1164 ± 0.2878
pull
Entries 52
Mean −149
Std Dev 0

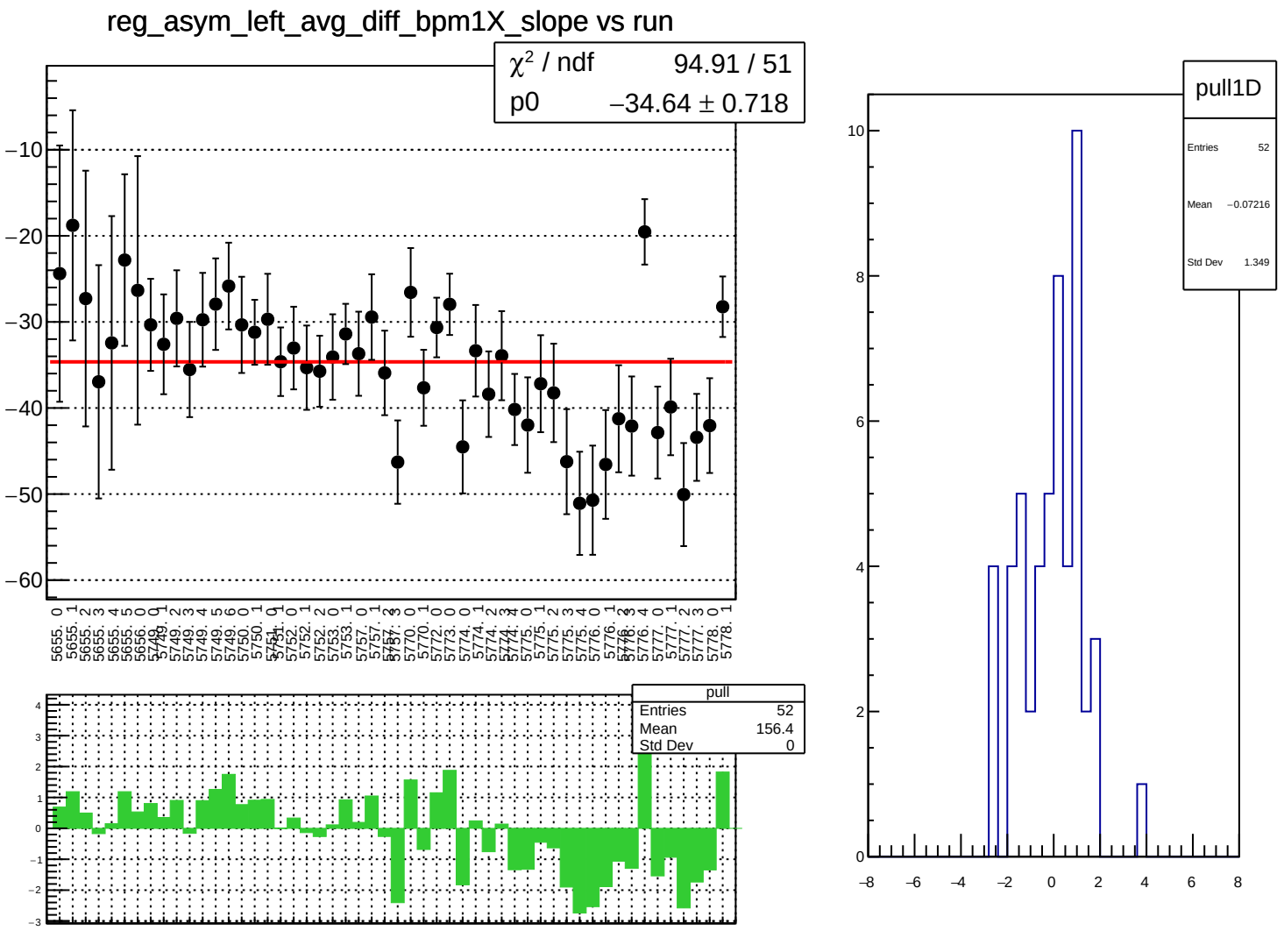

pull1D
Entries 52
Mean −0.009512
Std Dev 0.8942

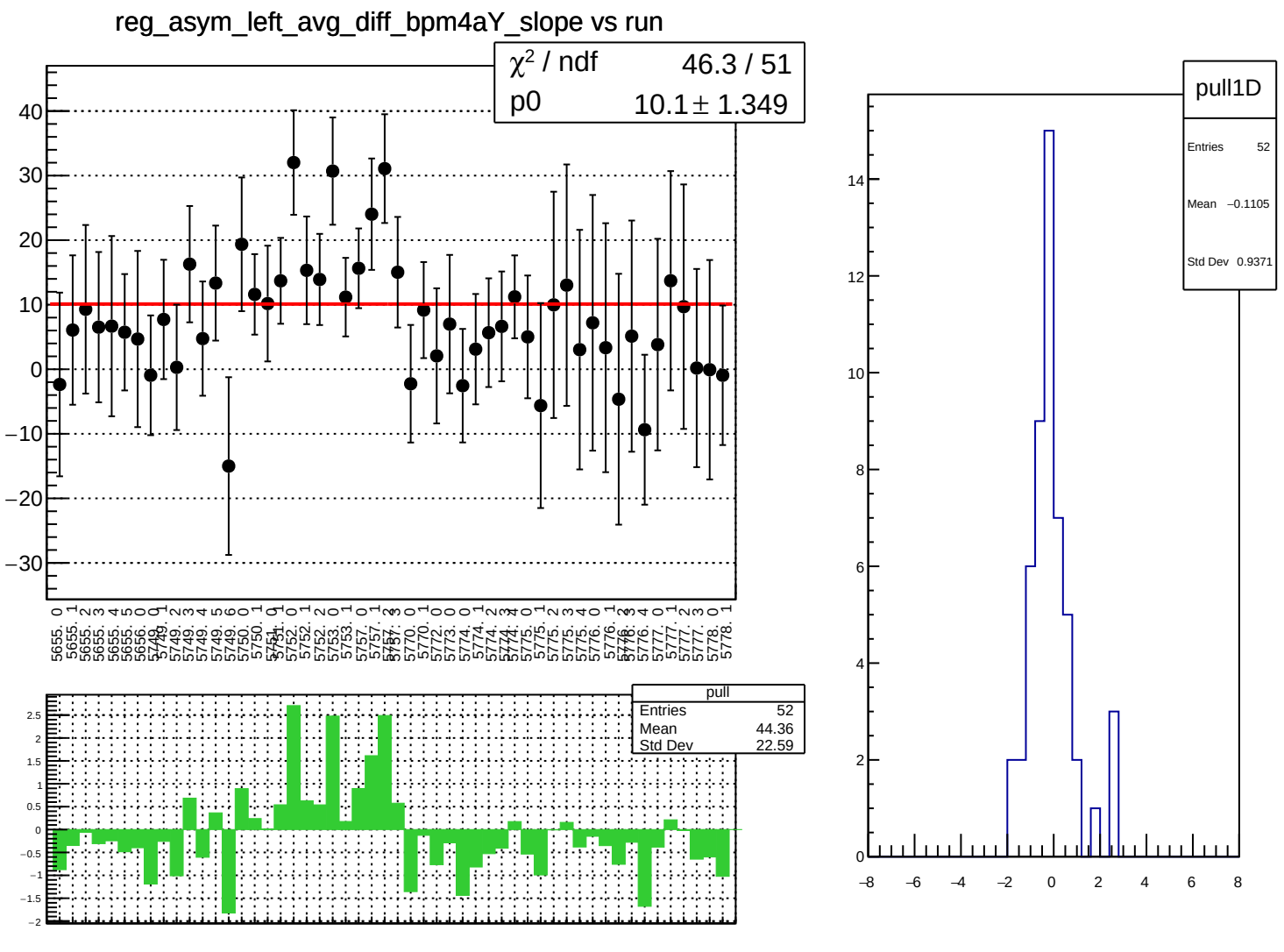

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 46.46 / 51
p0 −0.5959 ± 0.3862
pull
Entries 52
Mean −267.3
Std Dev 0

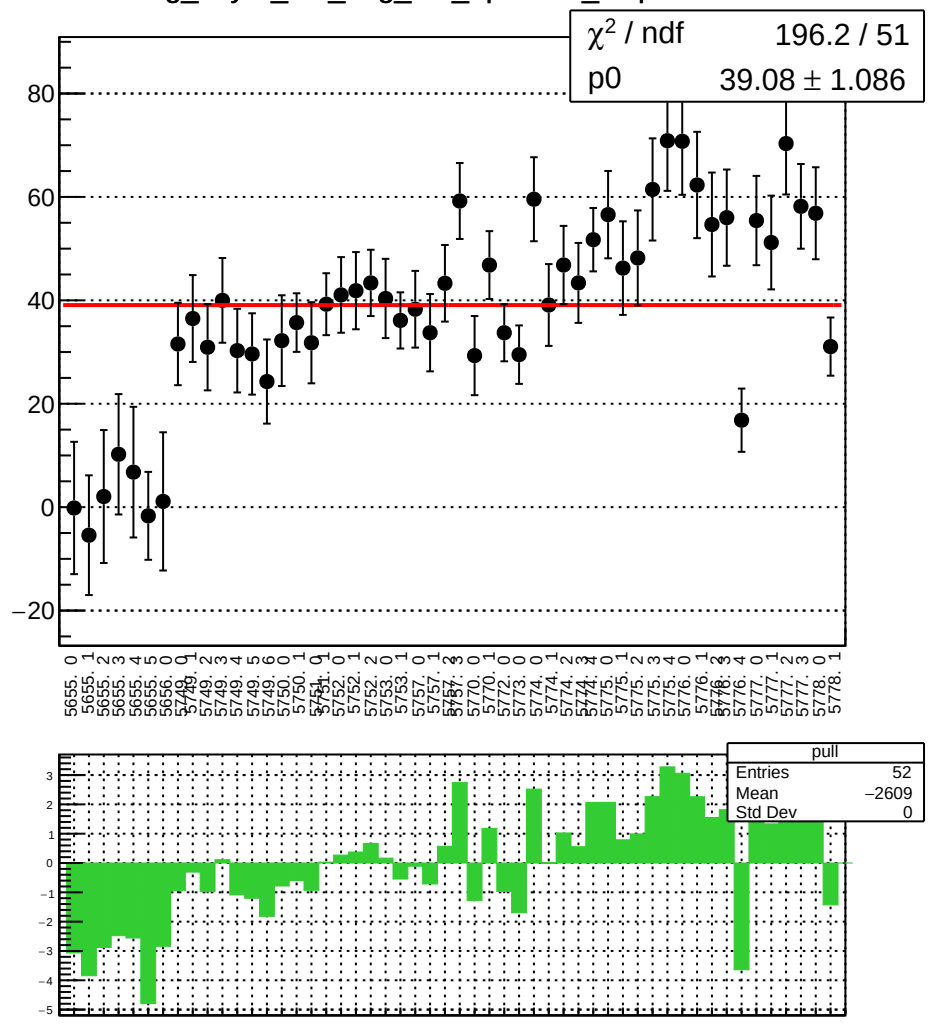

pull1D
Entries 52
Mean −0.006779
Std Dev 0.9452

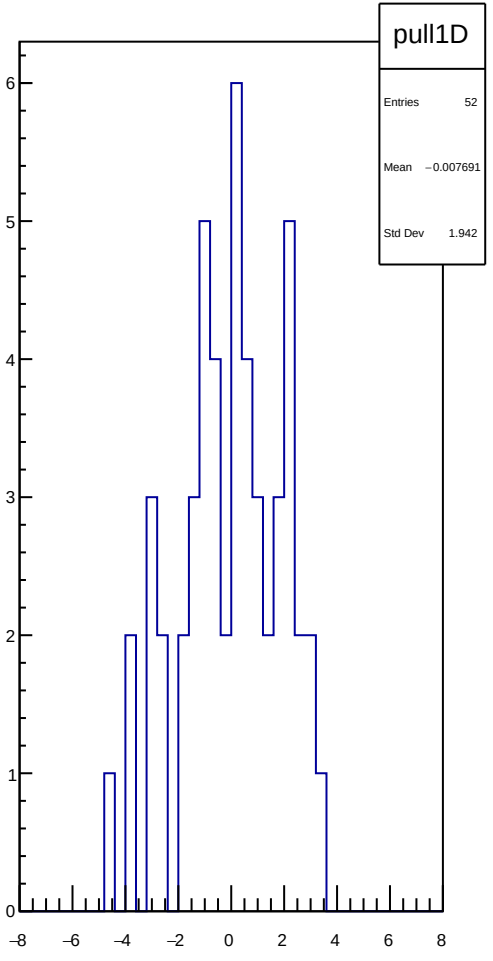

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 71.09 / 51
p0 0.03439 ± 0.02028
pull
Entries 52
Mean 18.54
Std Dev 53.63

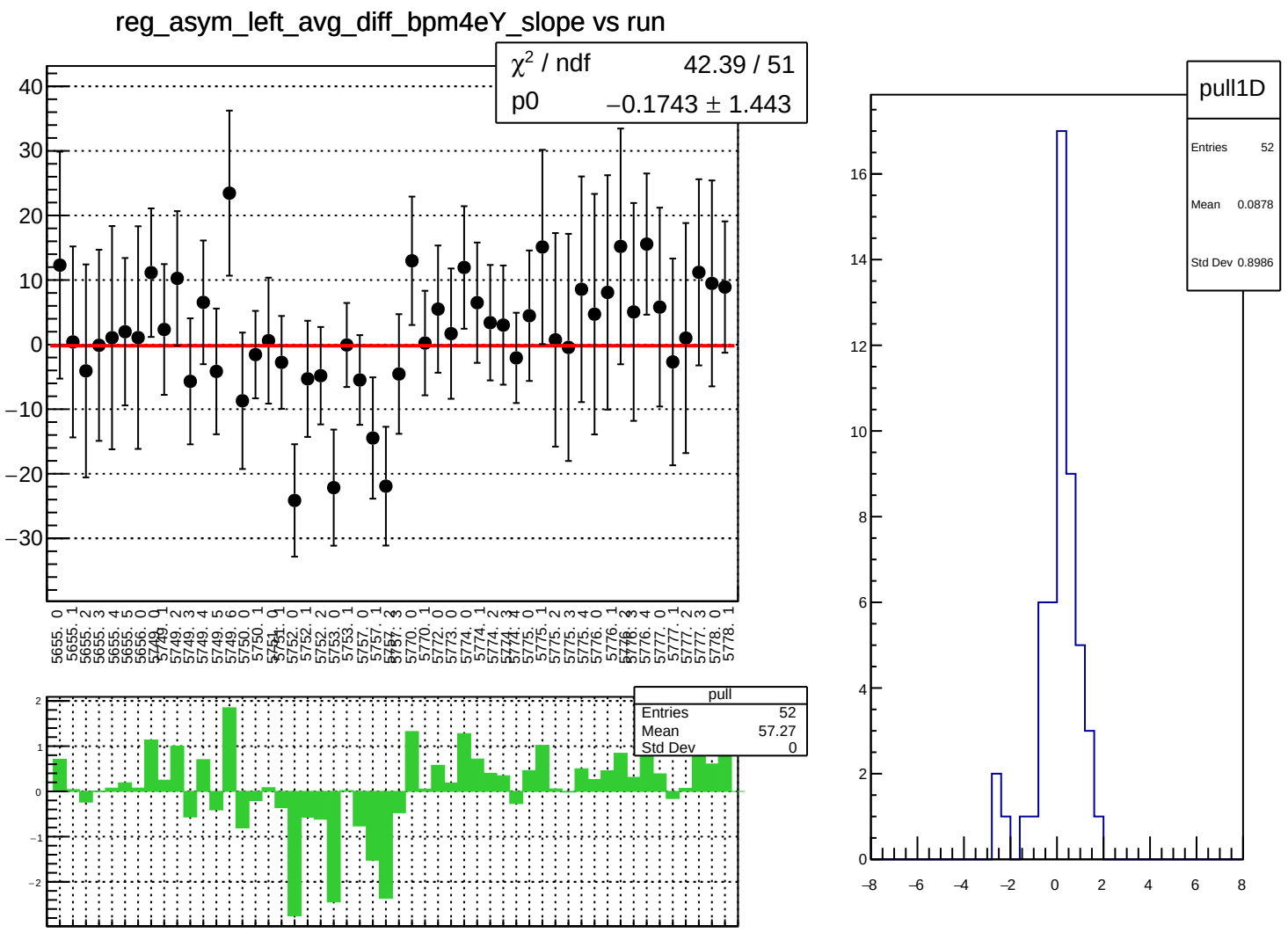

pull1D
Entries 52
Mean −0.009876
Std Dev 1.169

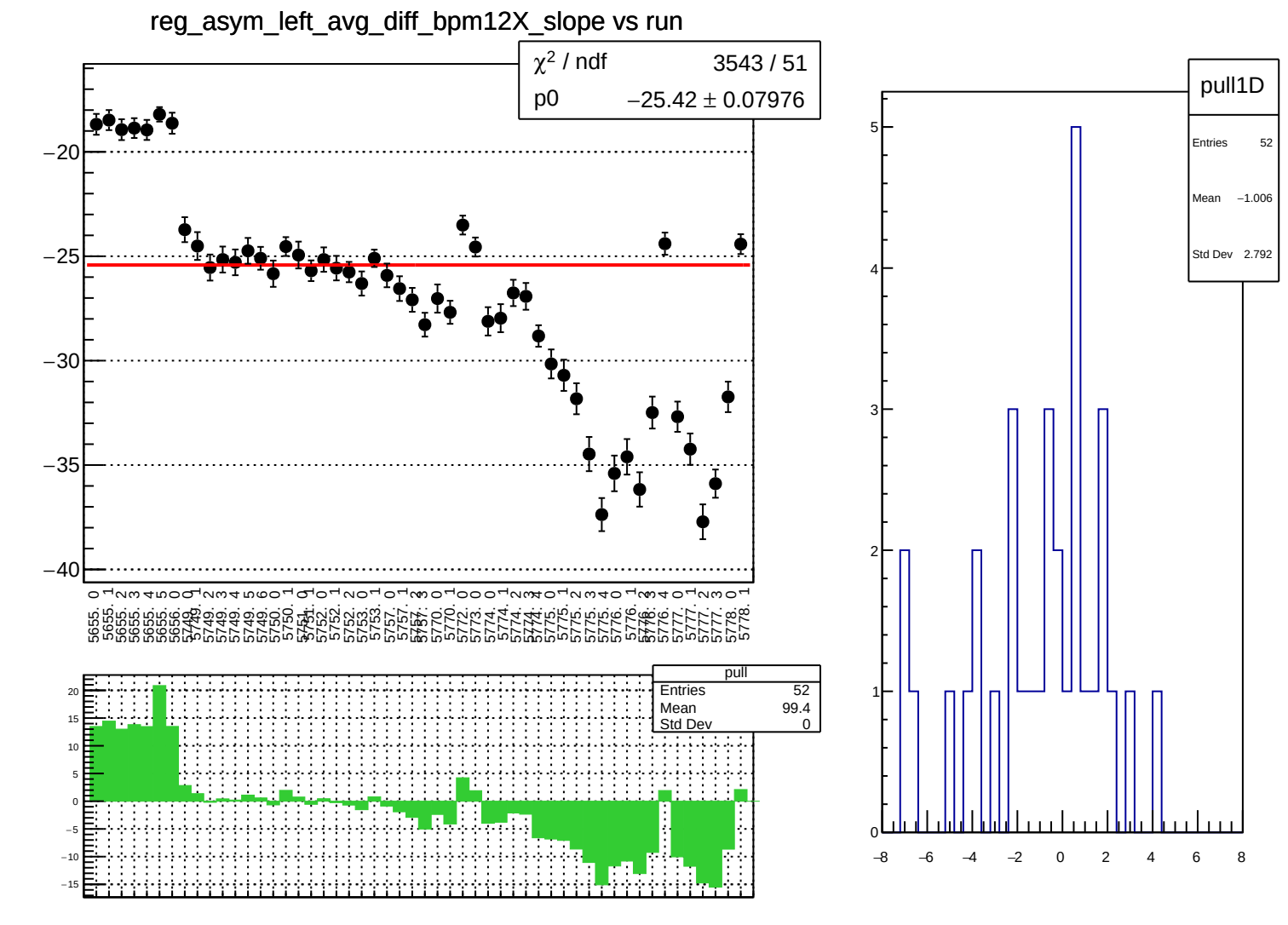

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 94.91 / 51
p0 −34.64 ± 0.718
pull
Entries 52
Mean 156.4
Std Dev 0
pull1D
Entries 52
Mean −0.07216
Std Dev 1.349

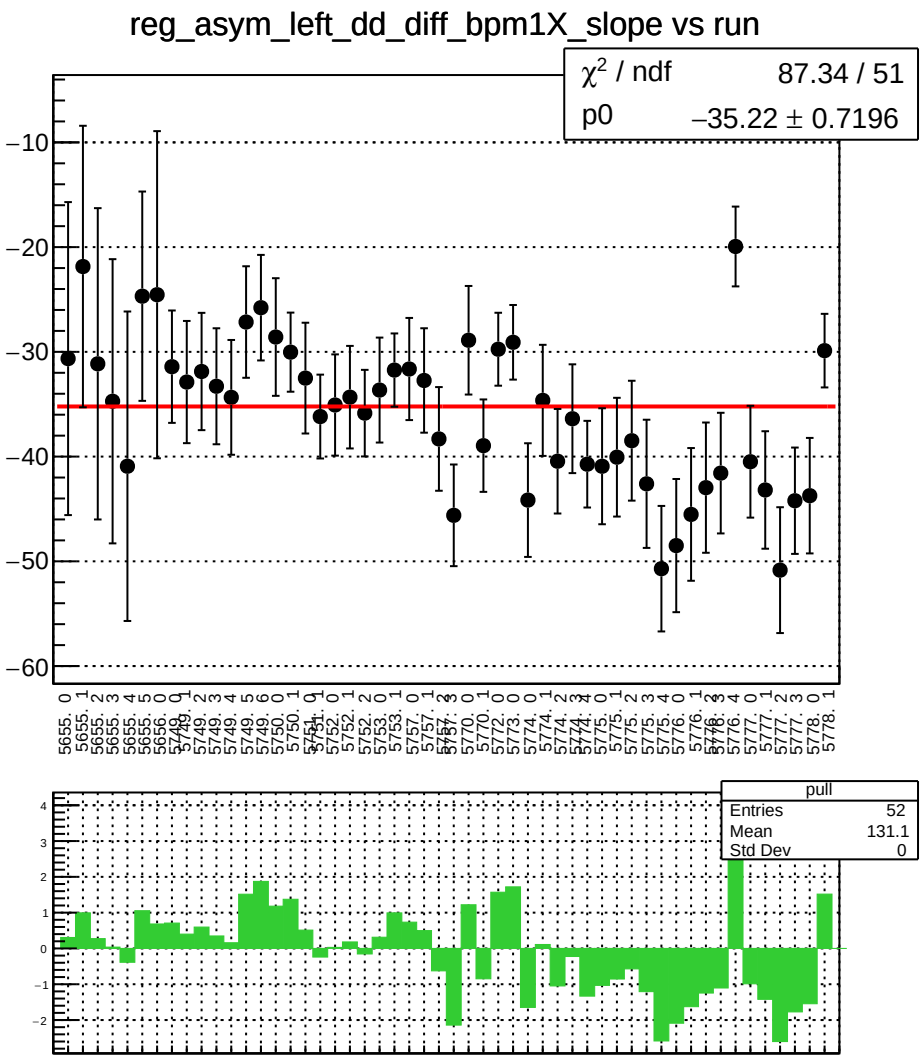

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 46.3 / 51
p0 10.1 ± 1.349
pull
Entries 52
Mean 44.36
Std Dev 22.59
pull1D
Entries 52
Mean −0.1105
Std Dev 0.9371

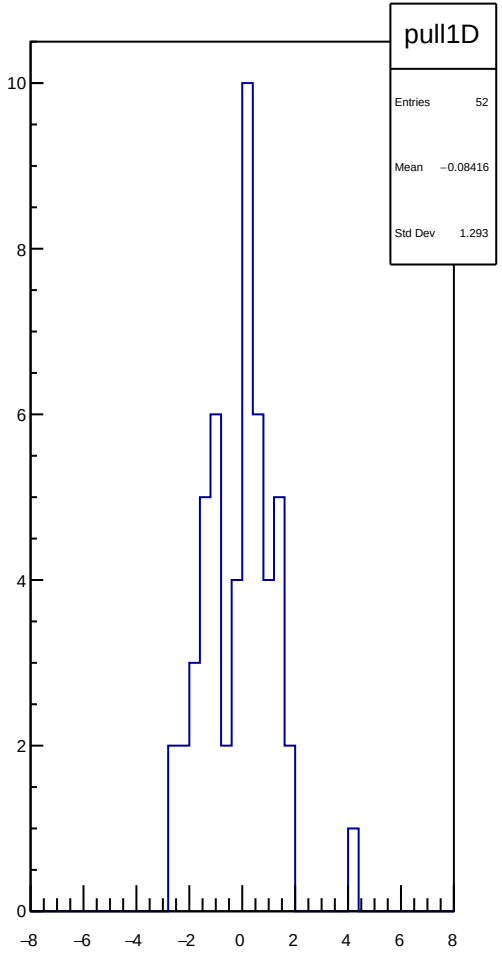

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 196.2 / 51
p0 39.08 ± 1.086
pull
Entries 52
Mean −2609
Std Dev 0

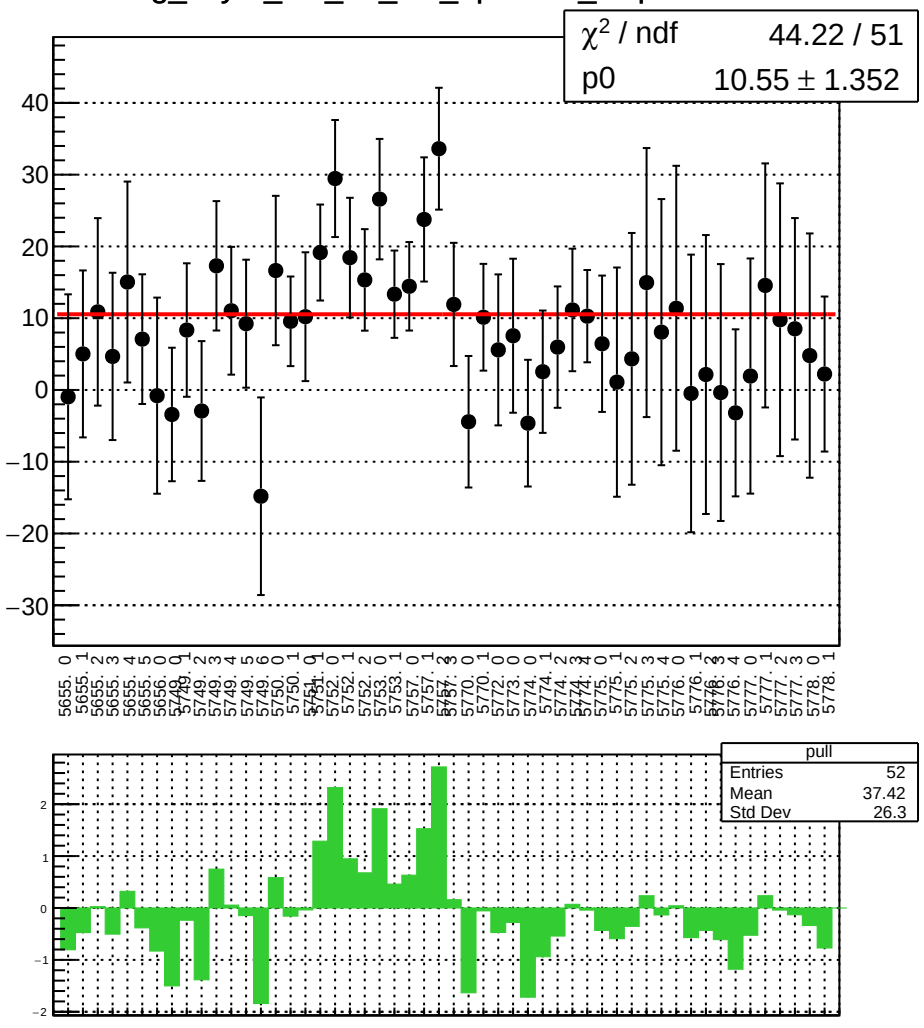

pull1D
Entries 52
Mean −0.007691
Std Dev 1.942

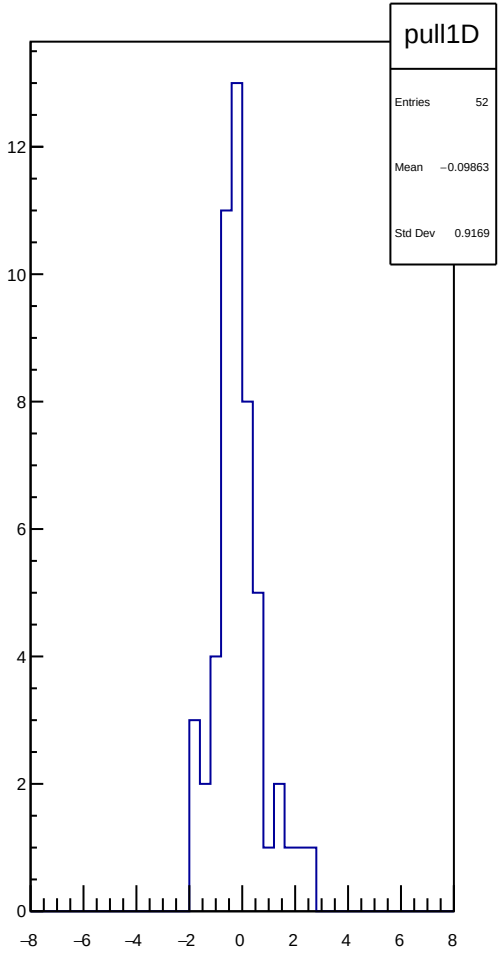

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 42.39 / 51
p0 −0.1743 ± 1.443
pull
Entries 52
Mean 57.27
Std Dev 0
pull1D
Entries 52
Mean 0.0878
Std Dev 0.8986

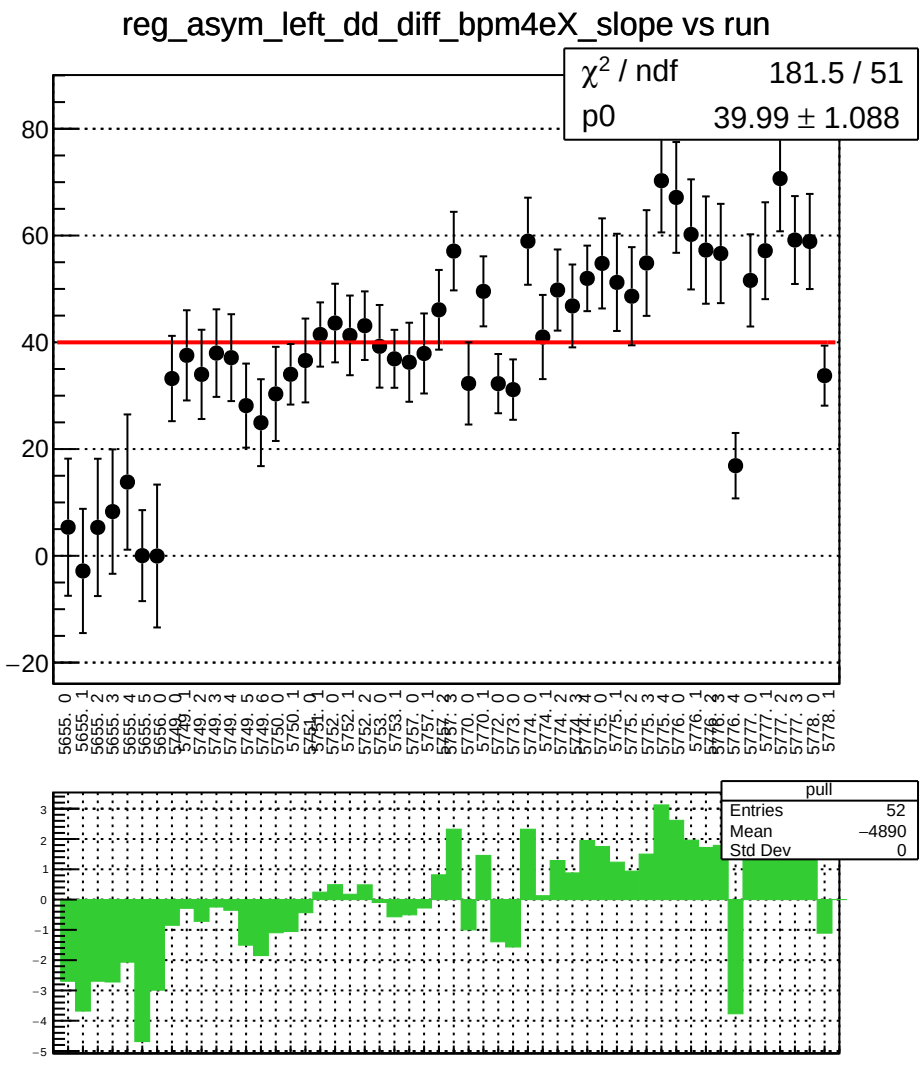

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 3543 / 51
p0 −25.42 ± 0.07976
pull
Entries 52
Mean 99.4
Std Dev 0
pull1D
Entries 52
Mean −1.006
Std Dev 2.792

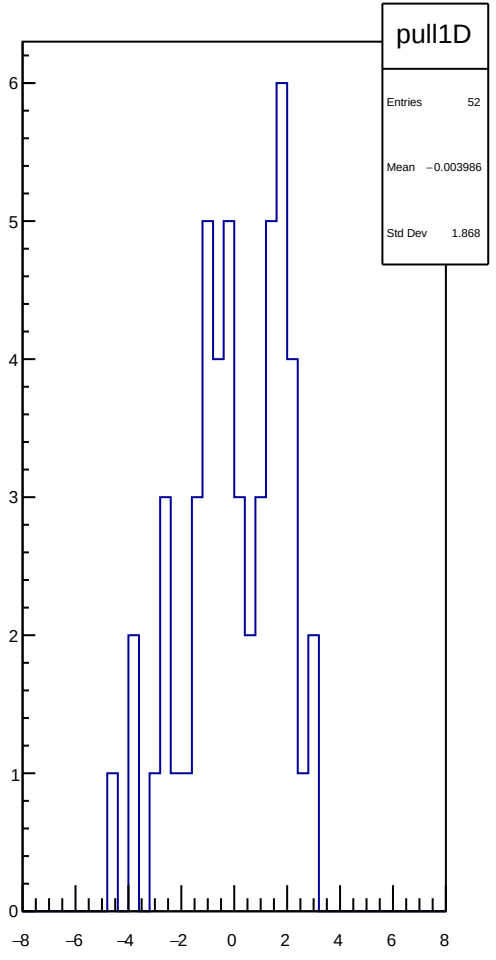

reg_asym_left_dd_diff_bpm1X_slope vs run
χ^2 / ndf 87.34 / 51
p0 −35.22 ± 0.7196
pull
Entries 52
Mean 131.1
Std Dev 0

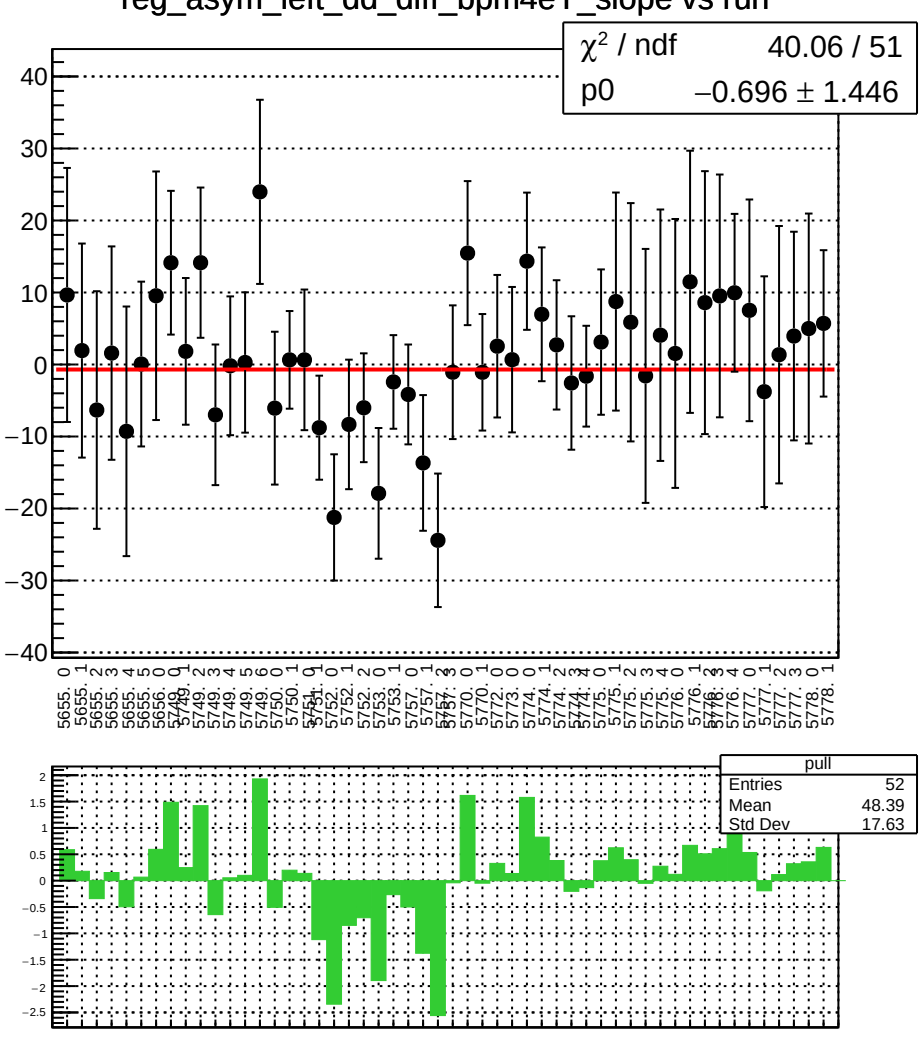

pull1D
Entries 52
Mean −0.08416
Std Dev 1.293

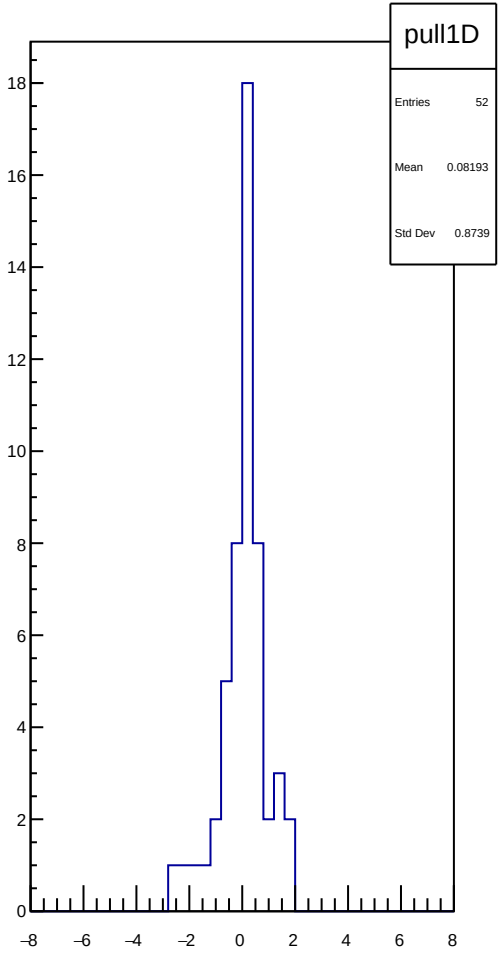

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 44.22 / 51
p0 10.55 ± 1.352
pull
Entries 52
Mean 37.42
Std Dev 26.3

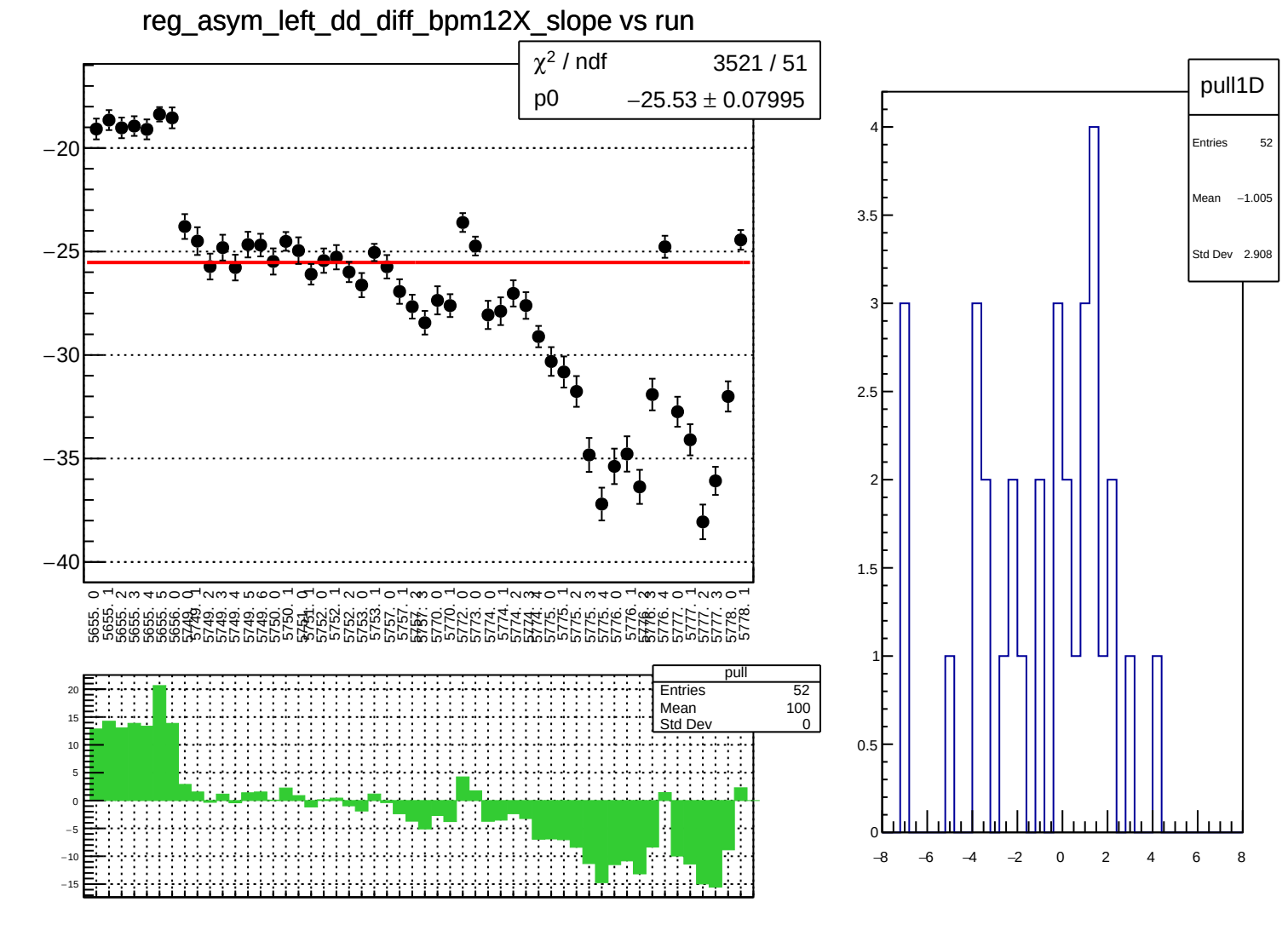

pull1D
Entries 52
Mean −0.09863
Std Dev 0.9169

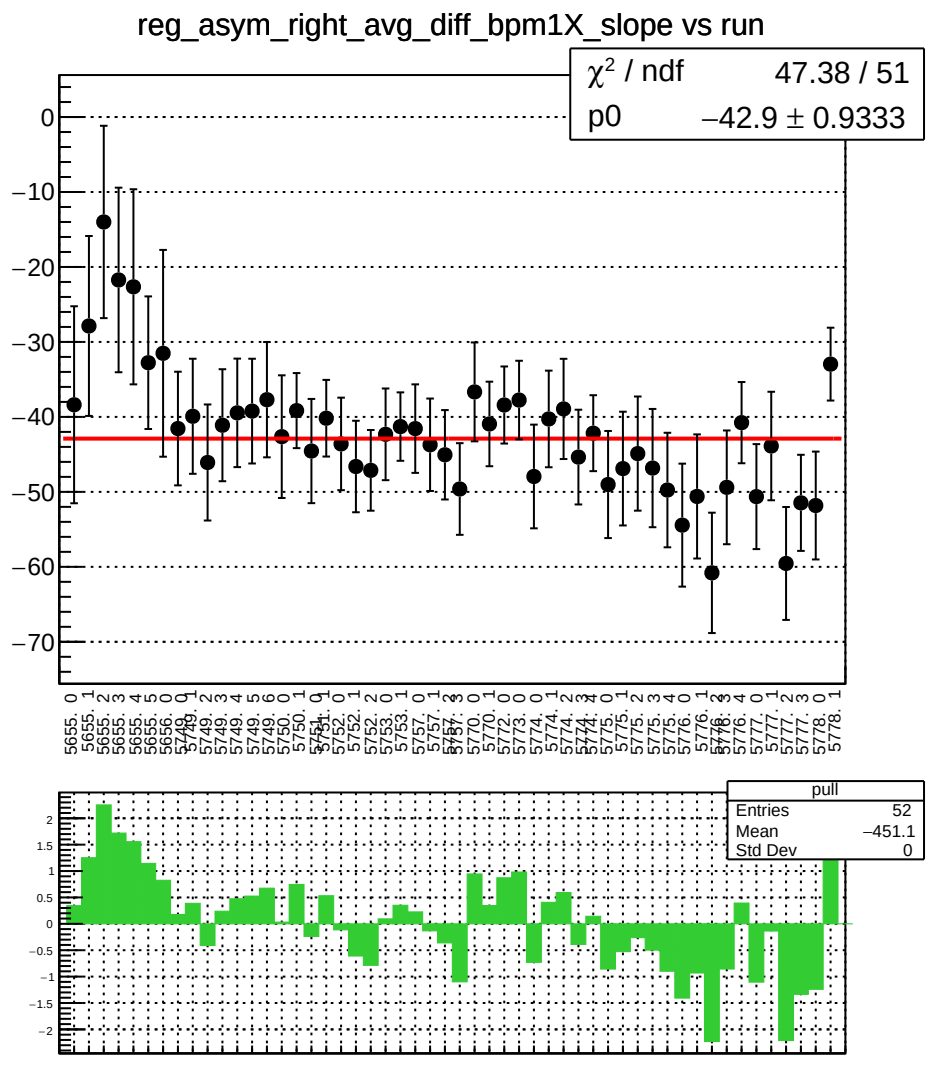

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 181.5 / 51
p0 39.99 ± 1.088
pull
Entries 52
Mean −4890
Std Dev 0

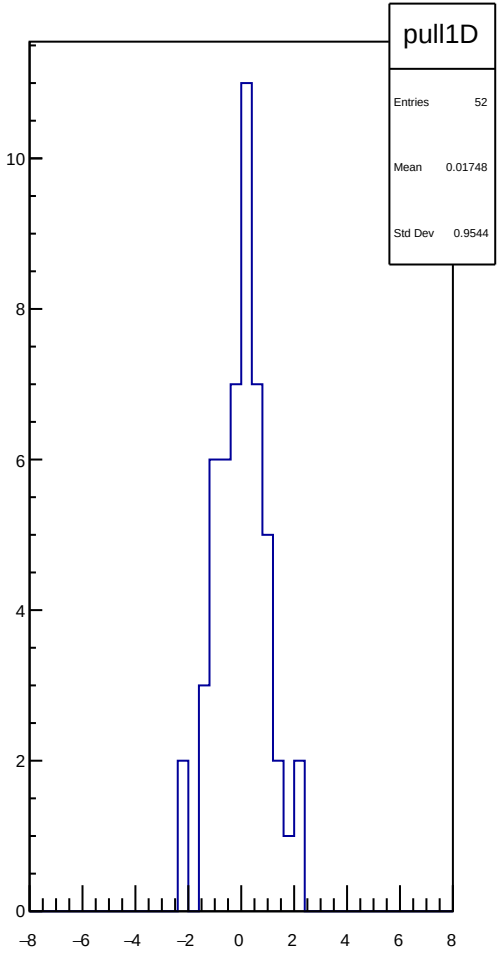

pull1D
Entries 52
Mean −0.003986
Std Dev 1.868

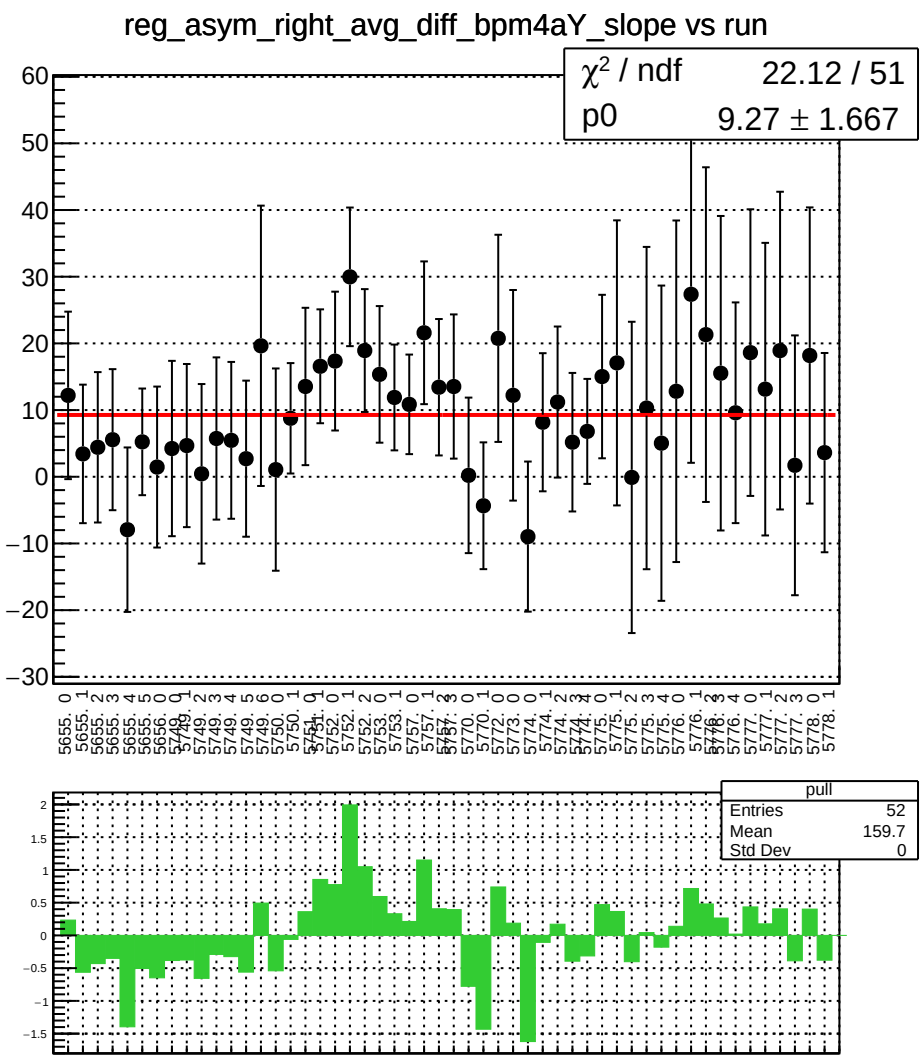

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.06 / 51
p0 −0.696 ± 1.446
pull
Entries 52
Mean 48.39
Std Dev 17.63

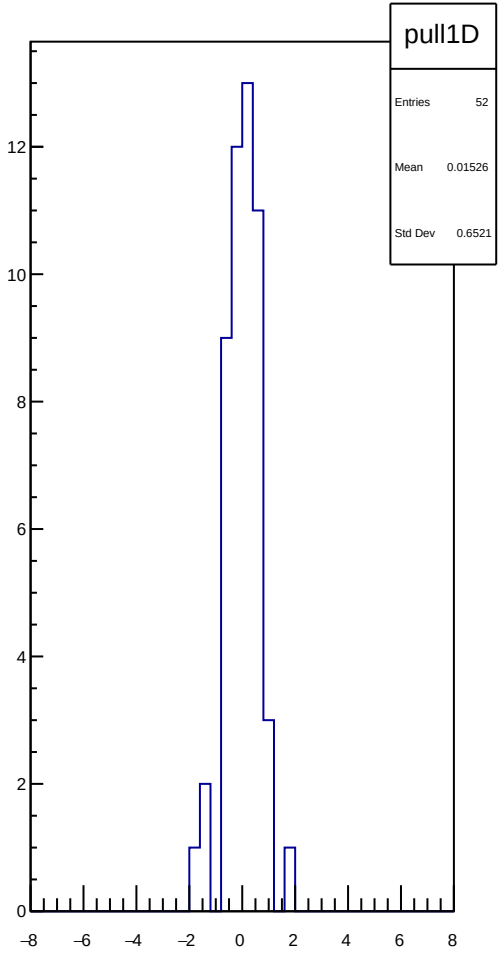

pull1D
Entries 52
Mean 0.08193
Std Dev 0.8739

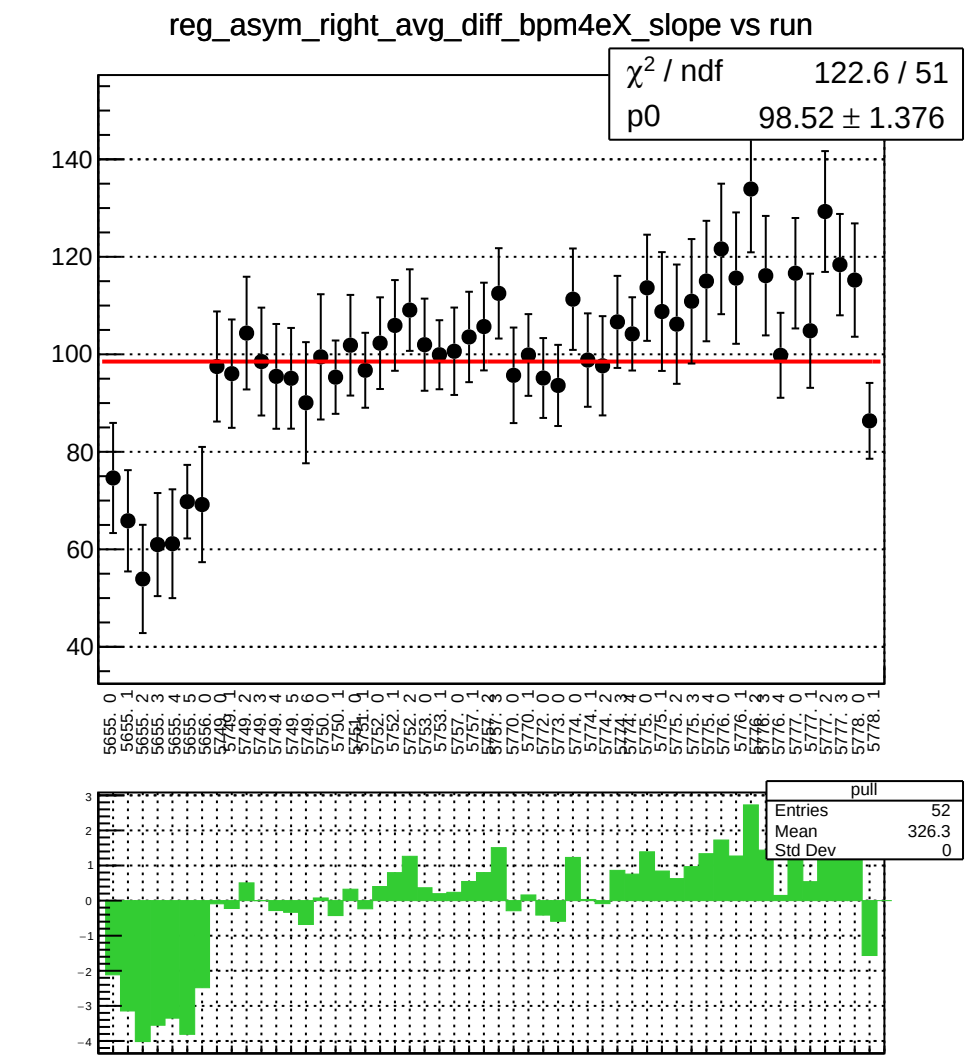

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 3521 / 51
p0 −25.53 ± 0.07995
pull
Entries 52
Mean 100
Std Dev 0
pull1D
Entries 52
Mean −1.005
Std Dev 2.908

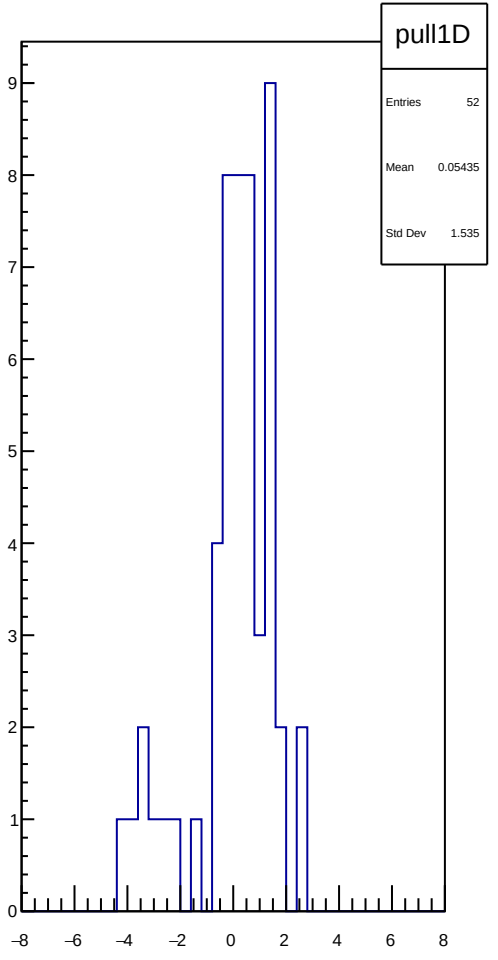

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 47.38 / 51
p0 −42.9 ± 0.9333
pull
Entries 52
Mean −451.1
Std Dev 0

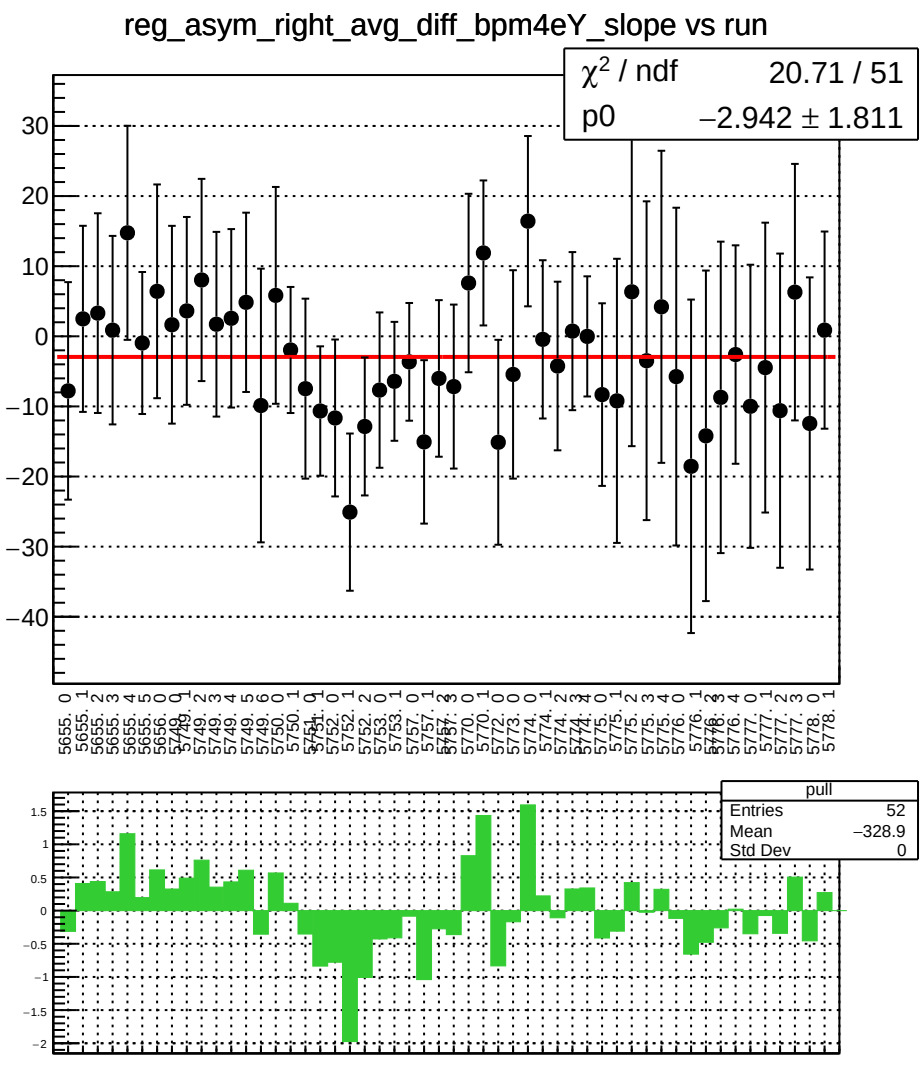

pull1D
Entries 52
Mean 0.01748
Std Dev 0.9544

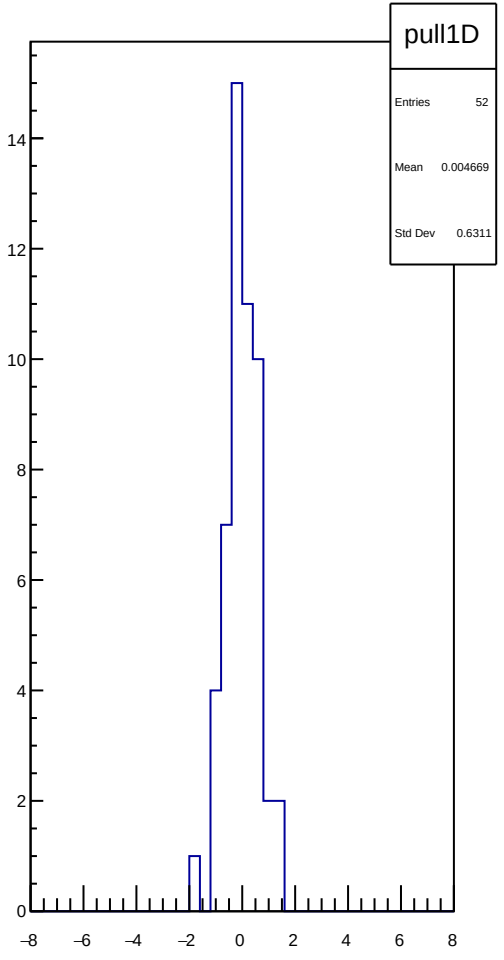

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.12 / 51
p0 9.27 ± 1.667
pull
Entries 52
Mean 159.7
Std Dev 0

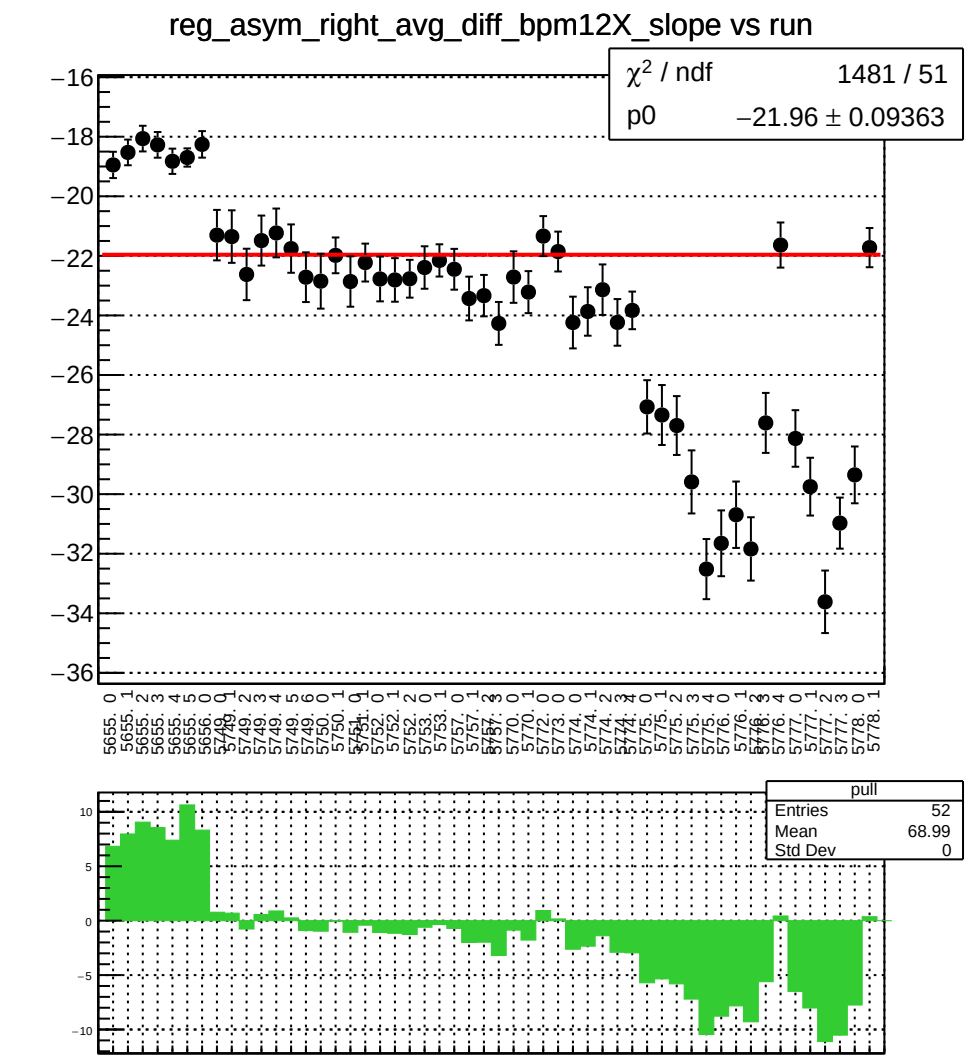

pull1D
Entries 52
Mean 0.01526
Std Dev 0.6521

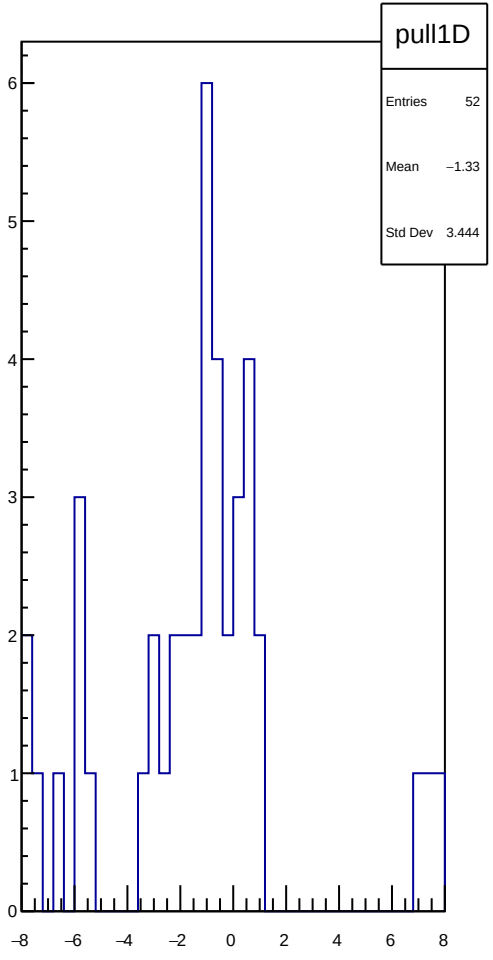

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 122.6 / 51
p0 98.52 ± 1.376
pull
Entries 52
Mean 326.3
Std Dev 0

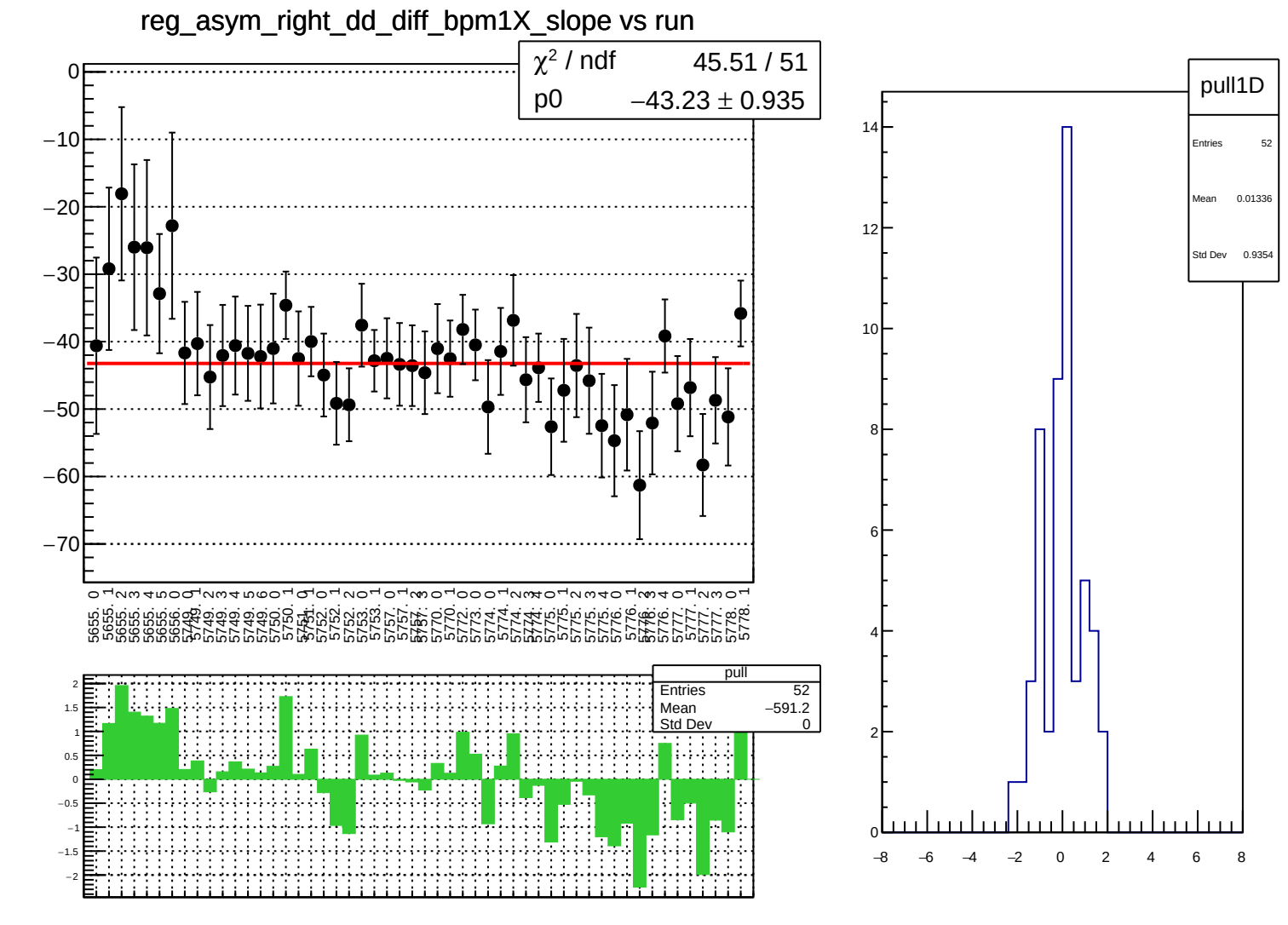

pull1D
Entries 52
Mean 0.05435
Std Dev 1.535

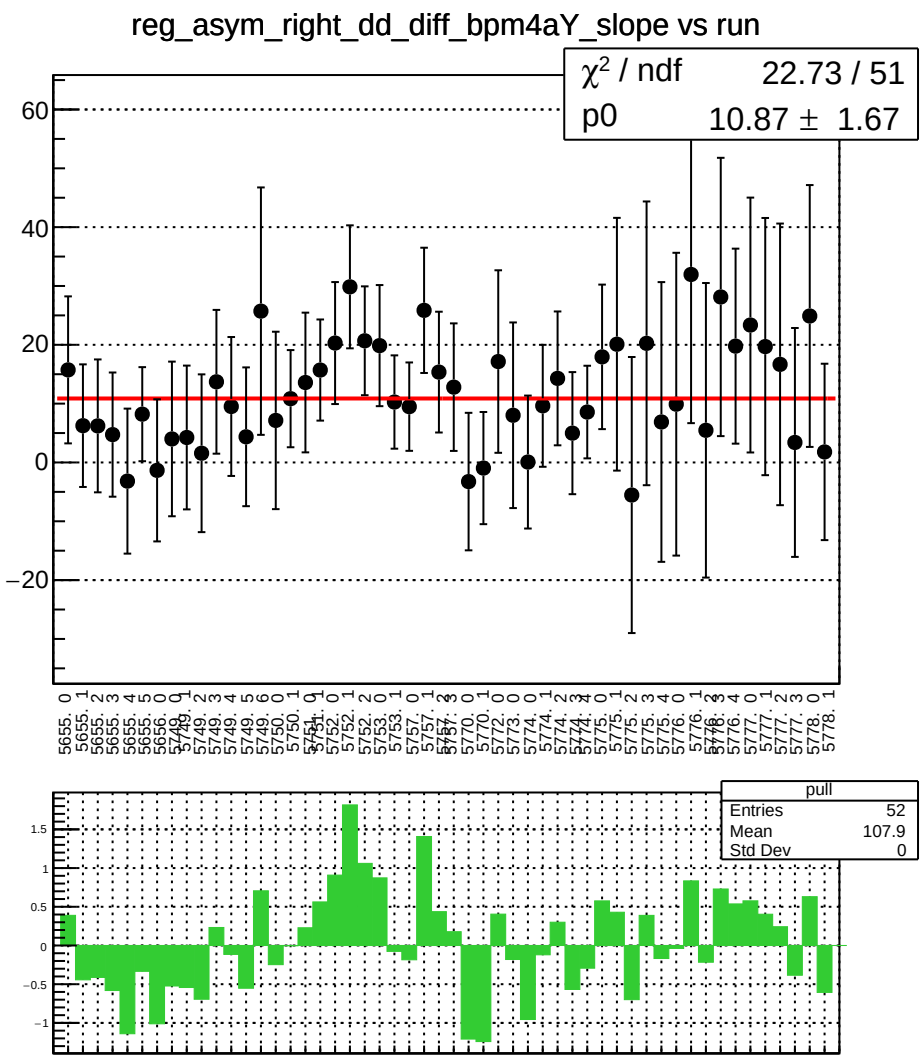

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 20.71 / 51
p0 −2.942 ± 1.811
pull
Entries 52
Mean −328.9
Std Dev 0

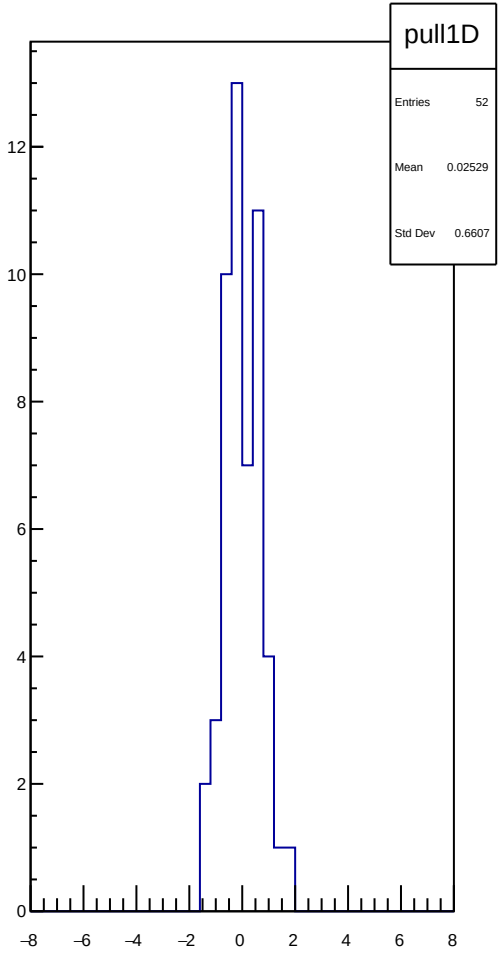

pull1D
Entries 52
Mean 0.004669
Std Dev 0.6311

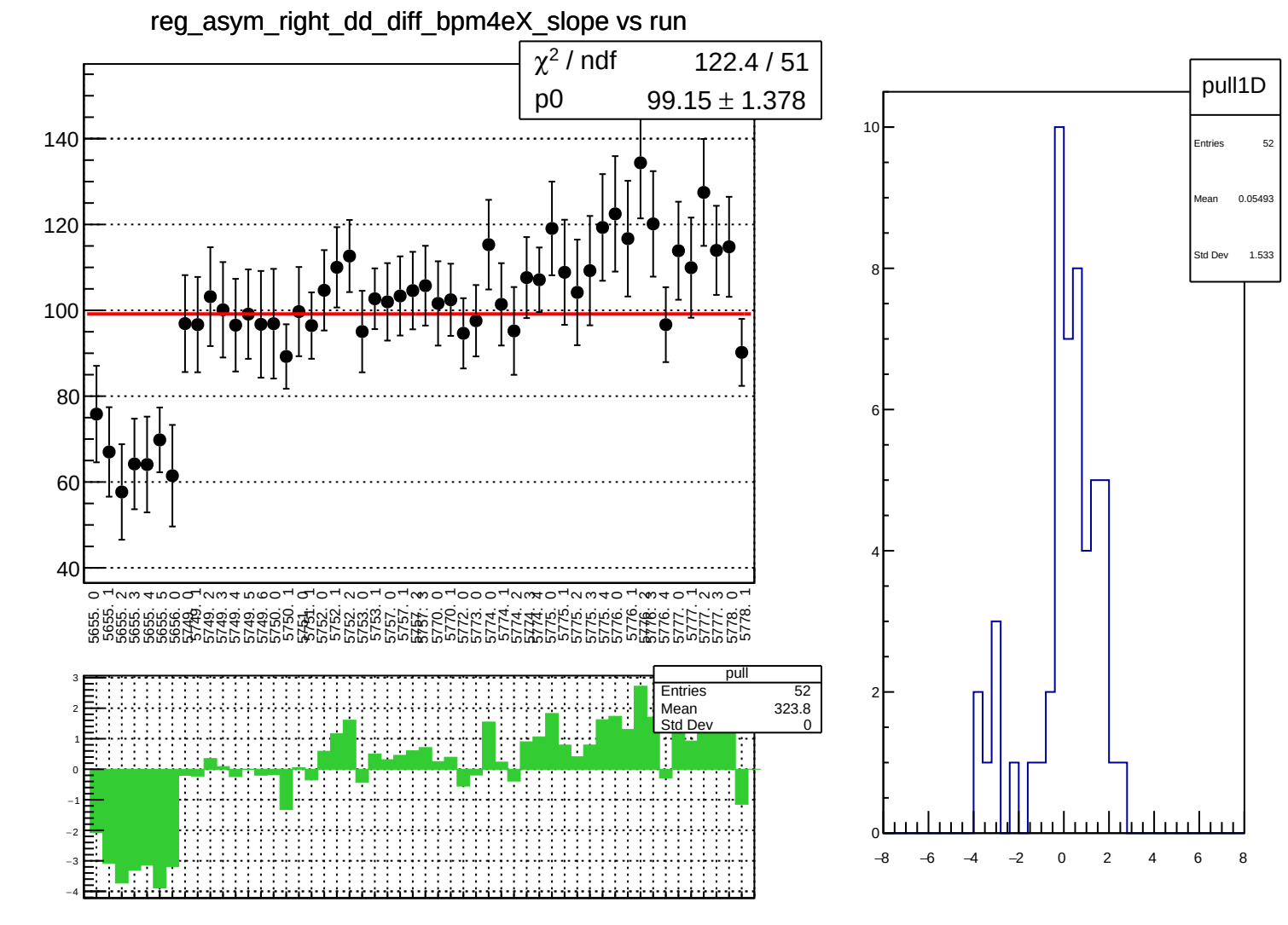

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 1481 / 51
p0 −21.96 ± 0.09363
pull
Entries 52
Mean 68.99
Std Dev 0

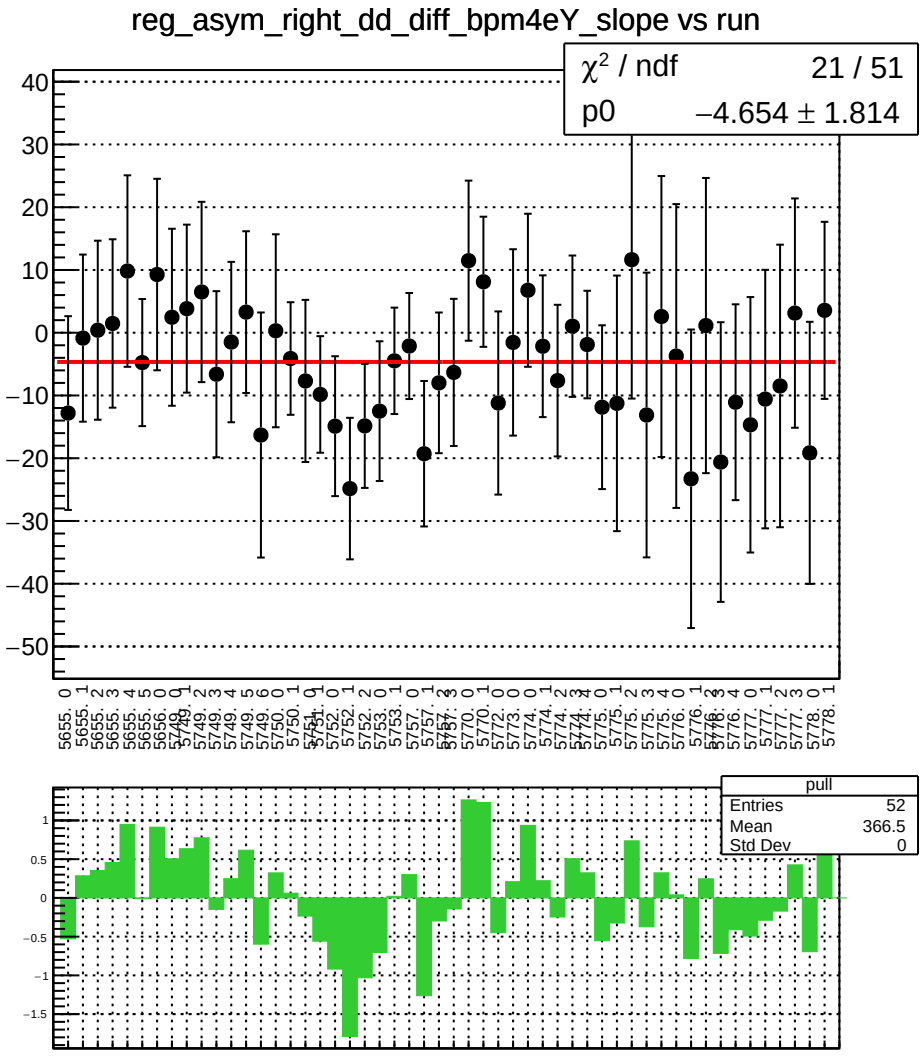

pull1D
Entries 52
Mean −1.33
Std Dev 3.444

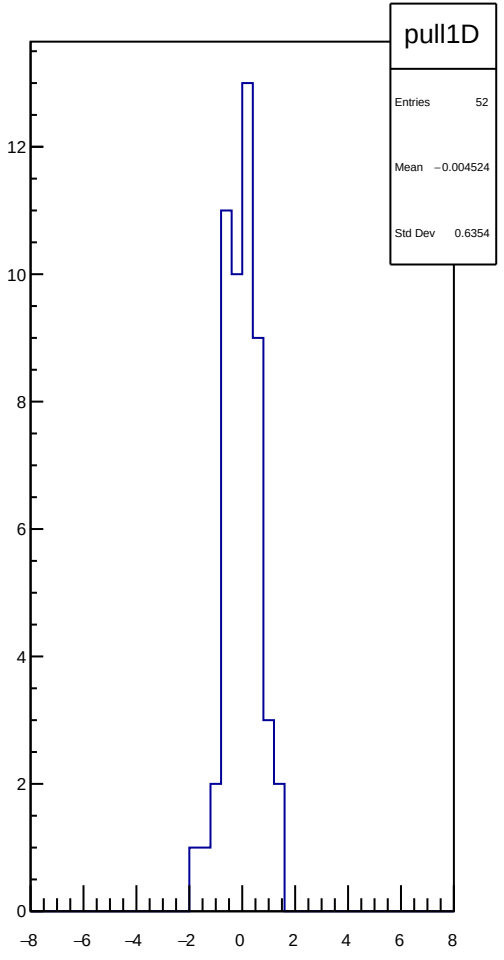

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 45.51 / 51
p0 −43.23 ± 0.935
pull
Entries 52
Mean −591.2
Std Dev 0
pull1D
Entries 52
Mean 0.01336
Std Dev 0.9354

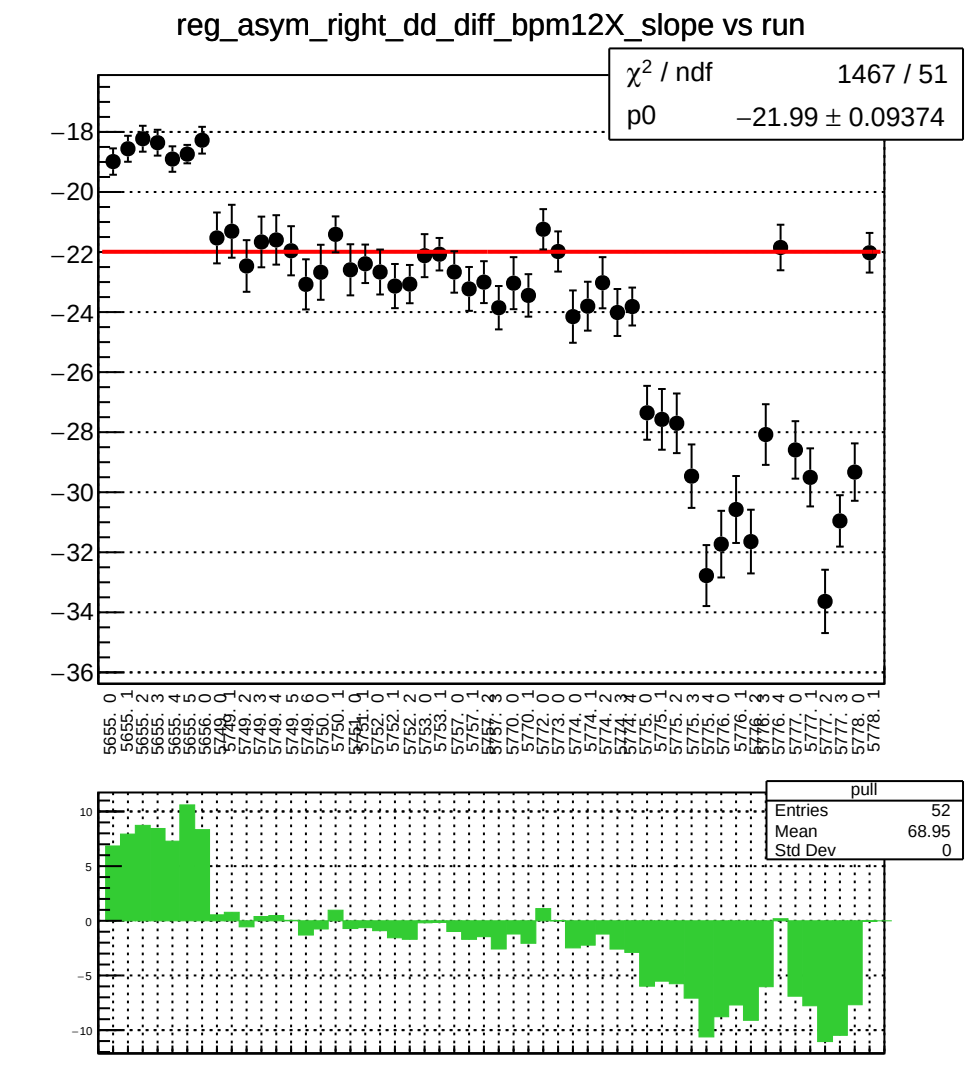

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.73 / 51
p0 10.87 ± 1.67
pull
Entries 52
Mean 107.9
Std Dev 0

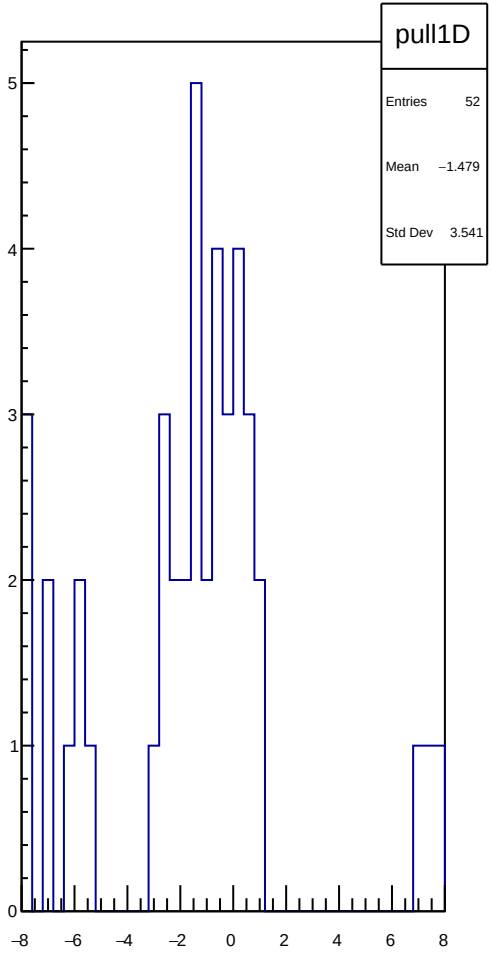

pull1D
Entries 52
Mean 0.02529
Std Dev 0.6607

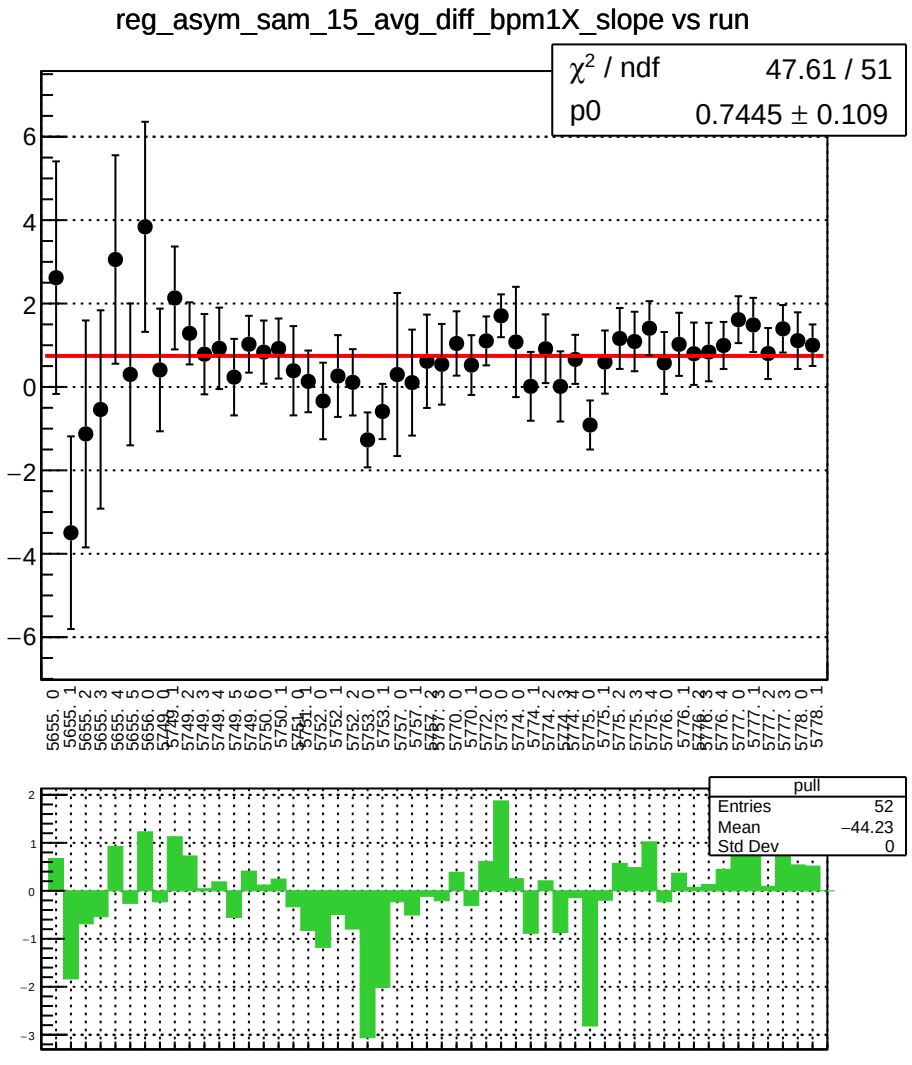

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 122.4 / 51
p0 99.15 ± 1.378
pull
Entries 52
Mean 323.8
Std Dev 0
pull1D
Entries 52
Mean 0.05493
Std Dev 1.533

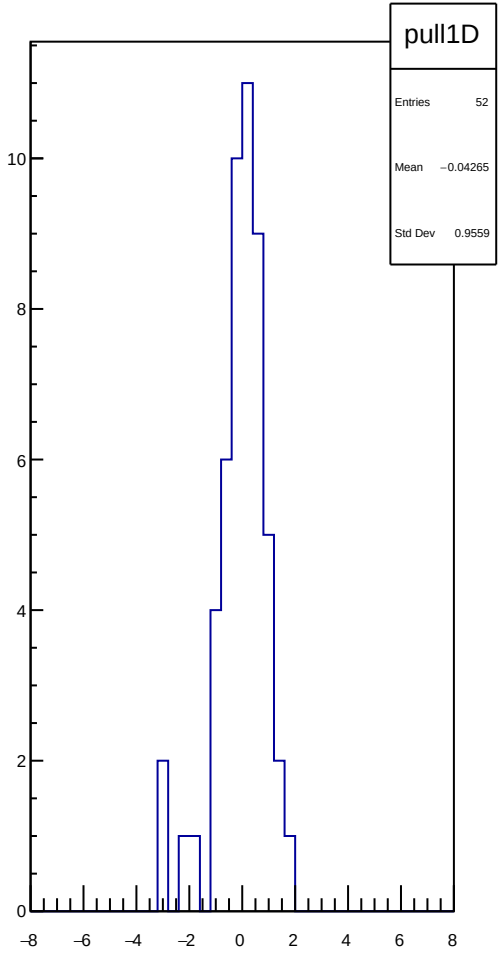

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 21 / 51
p0 −4.654 ± 1.814
pull
Entries 52
Mean 366.5
Std Dev 0

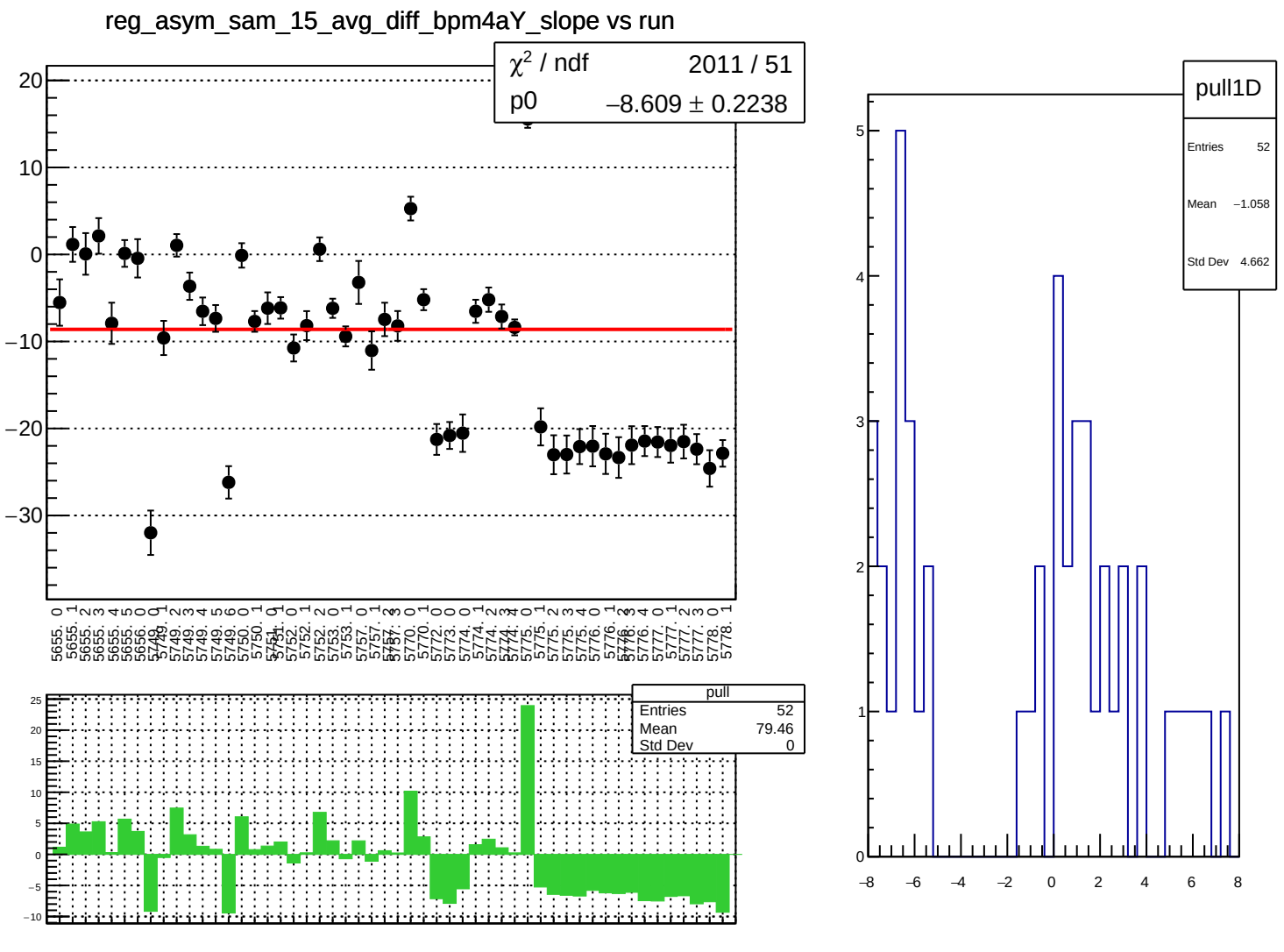

pull1D
Entries 52
Mean −0.004524
Std Dev 0.6354

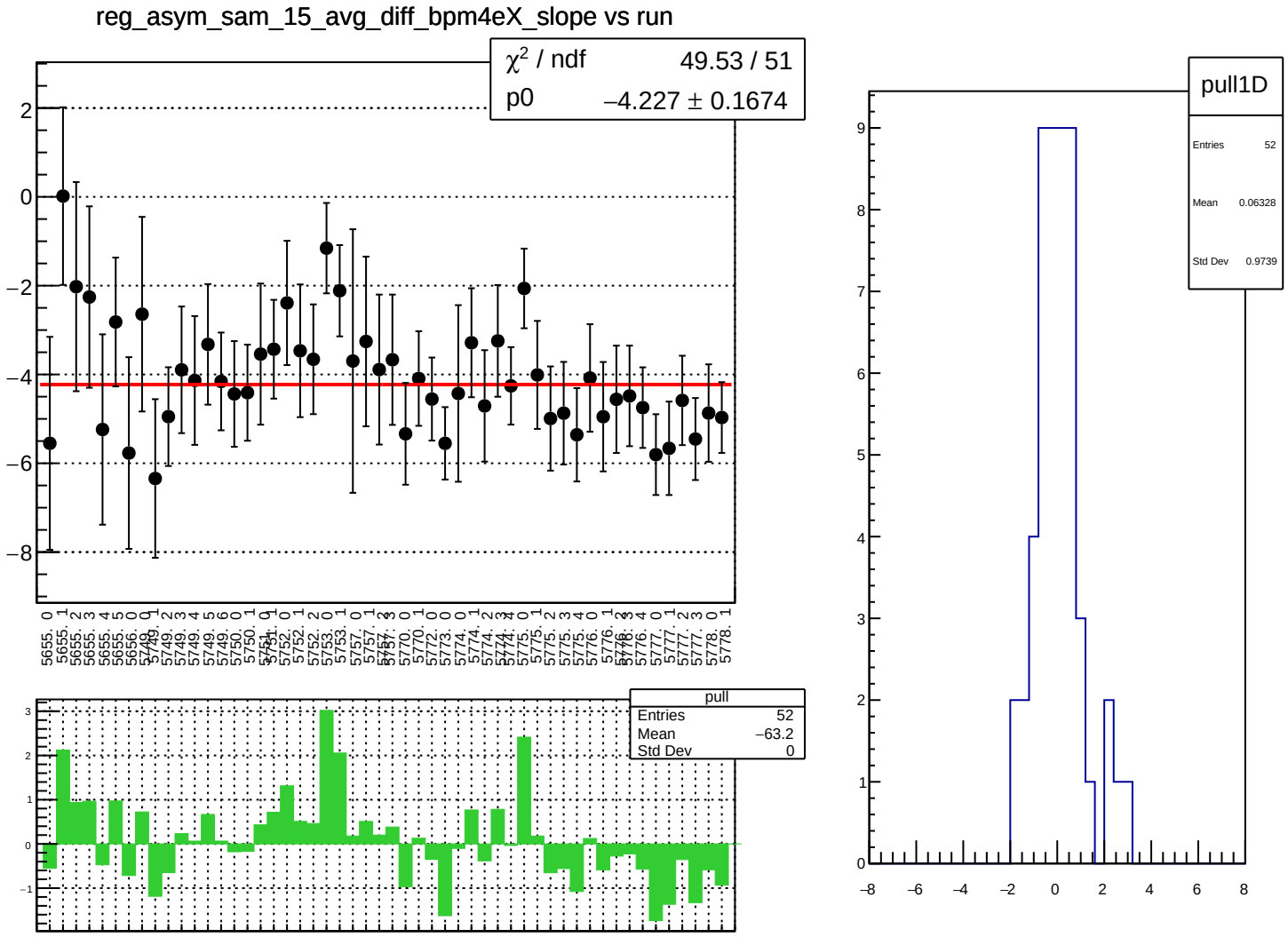

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 1467 / 51
p0 −21.99 ± 0.09374
pull
Entries 52
Mean 68.95
Std Dev 0

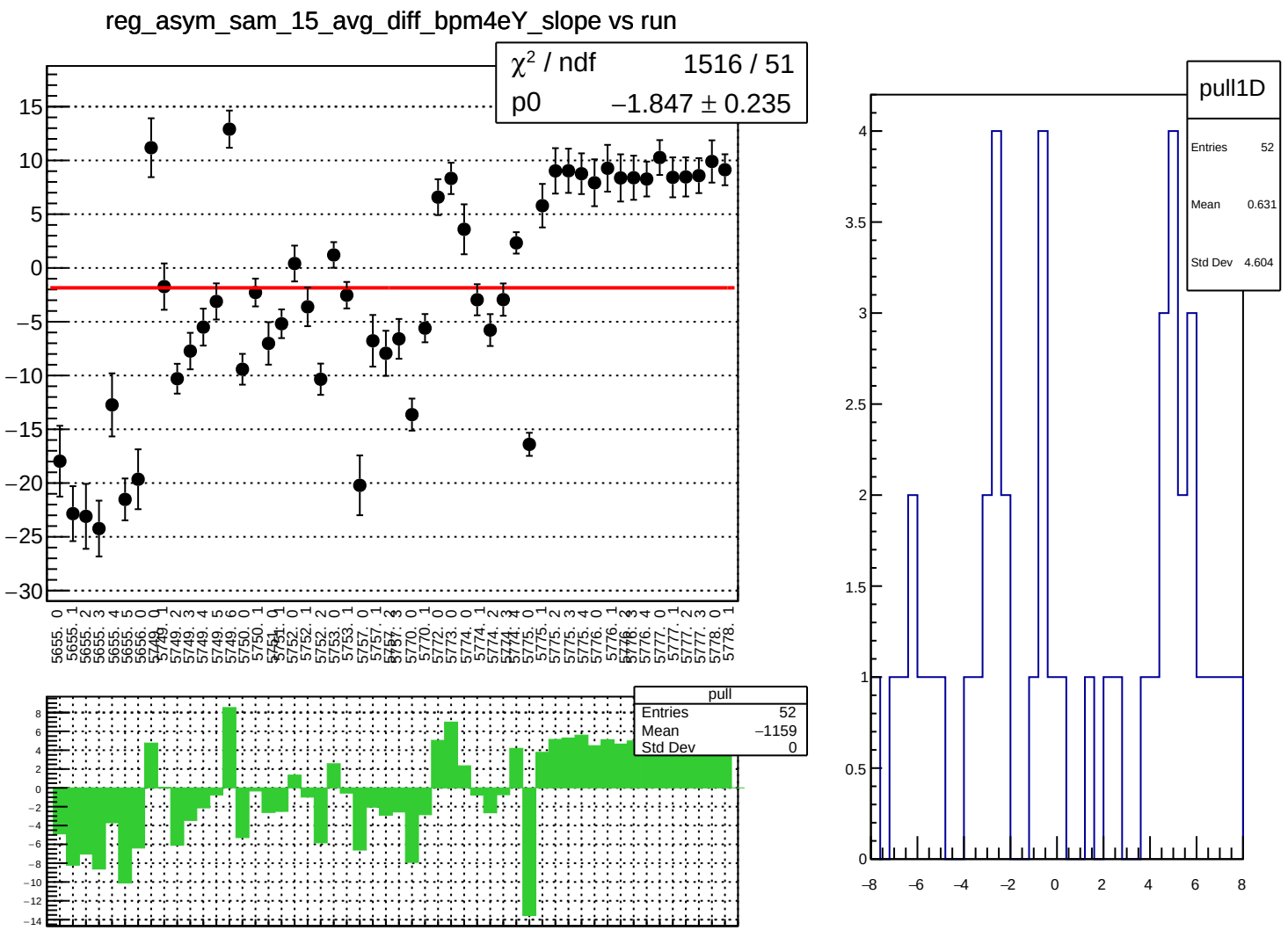

pull1D
Entries 52
Mean −1.479
Std Dev 3.541

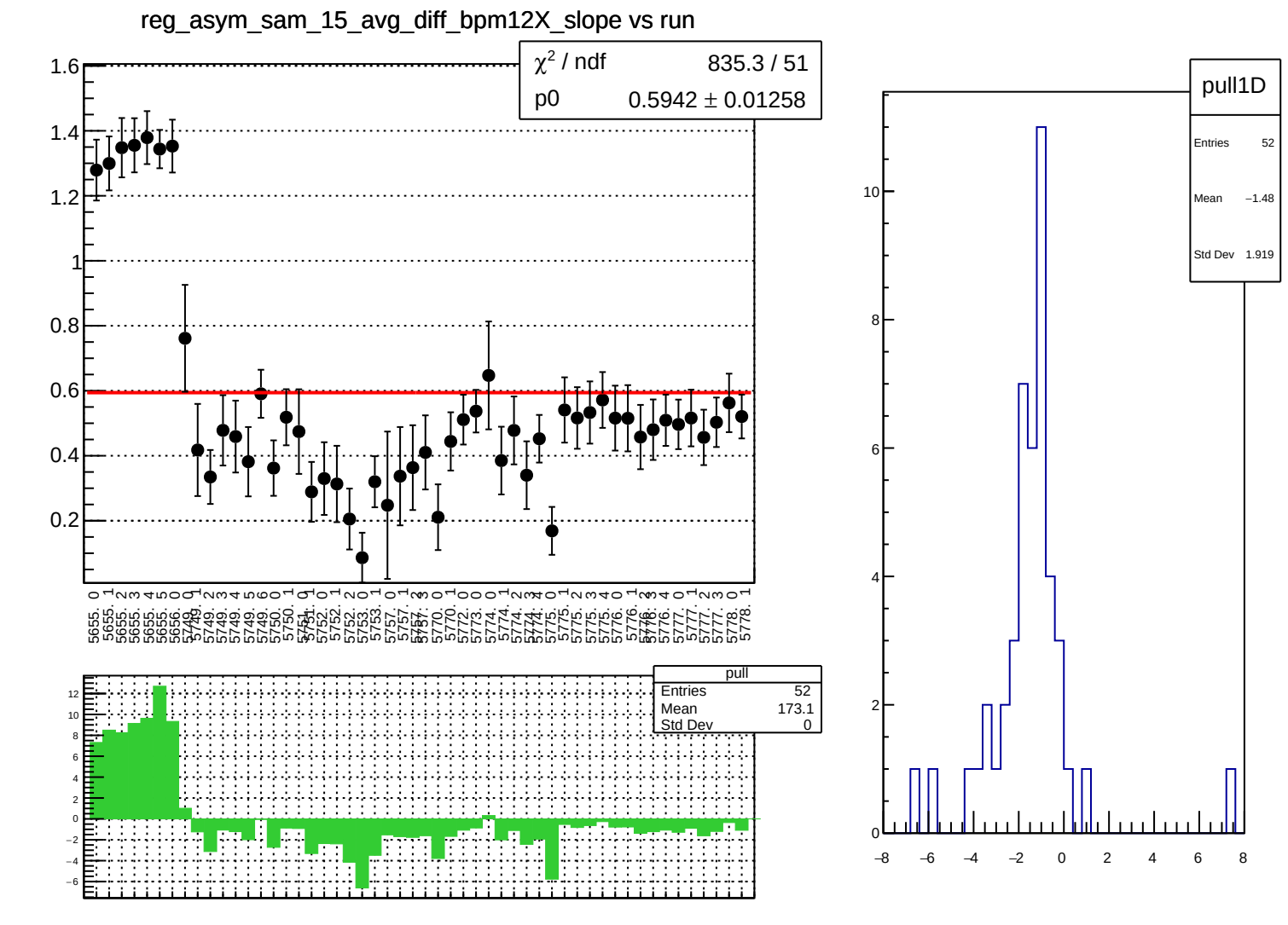

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 47.61 / 51
p0 0.7445 ± 0.109
pull
Entries 52
Mean −44.23
Std Dev 0

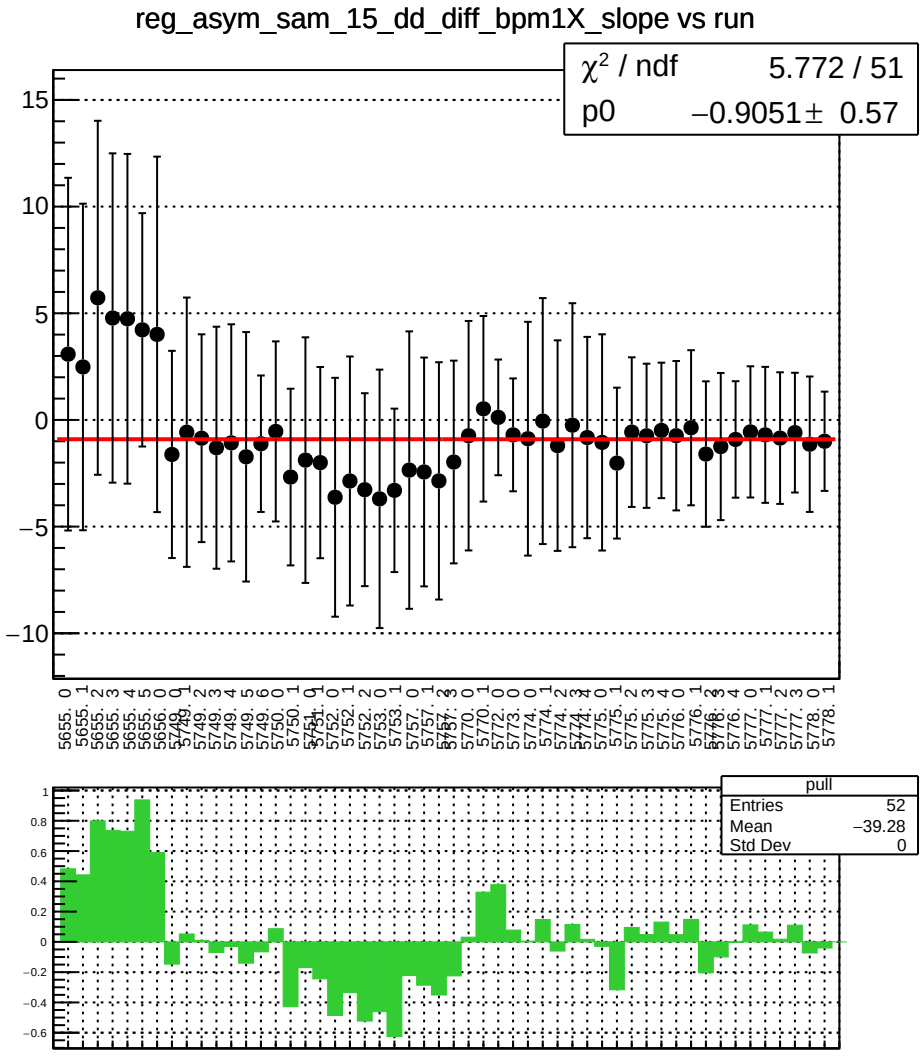

pull1D
Entries 52
Mean −0.04265
Std Dev 0.9559

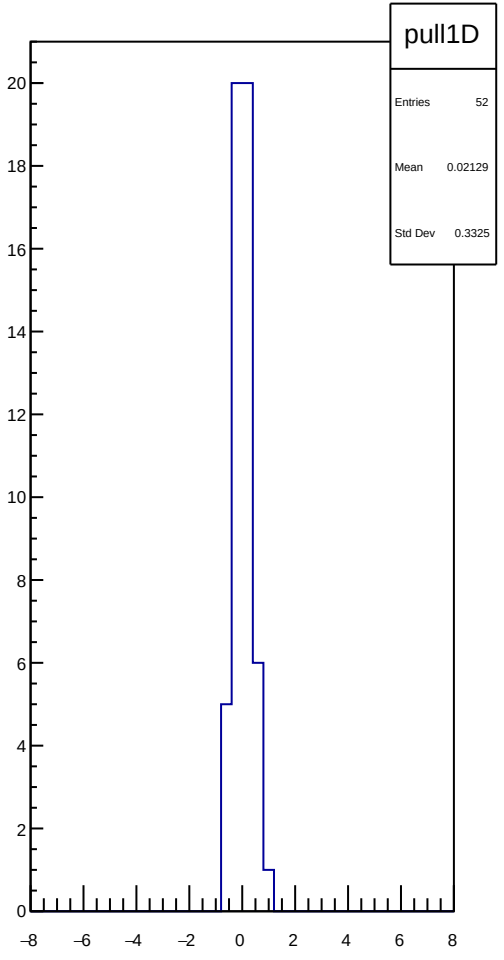

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 2011 / 51
p0 −8.609 ± 0.2238
pull
Entries 52
Mean 79.46
Std Dev 0
pull1D
Entries 52
Mean −1.058
Std Dev 4.662

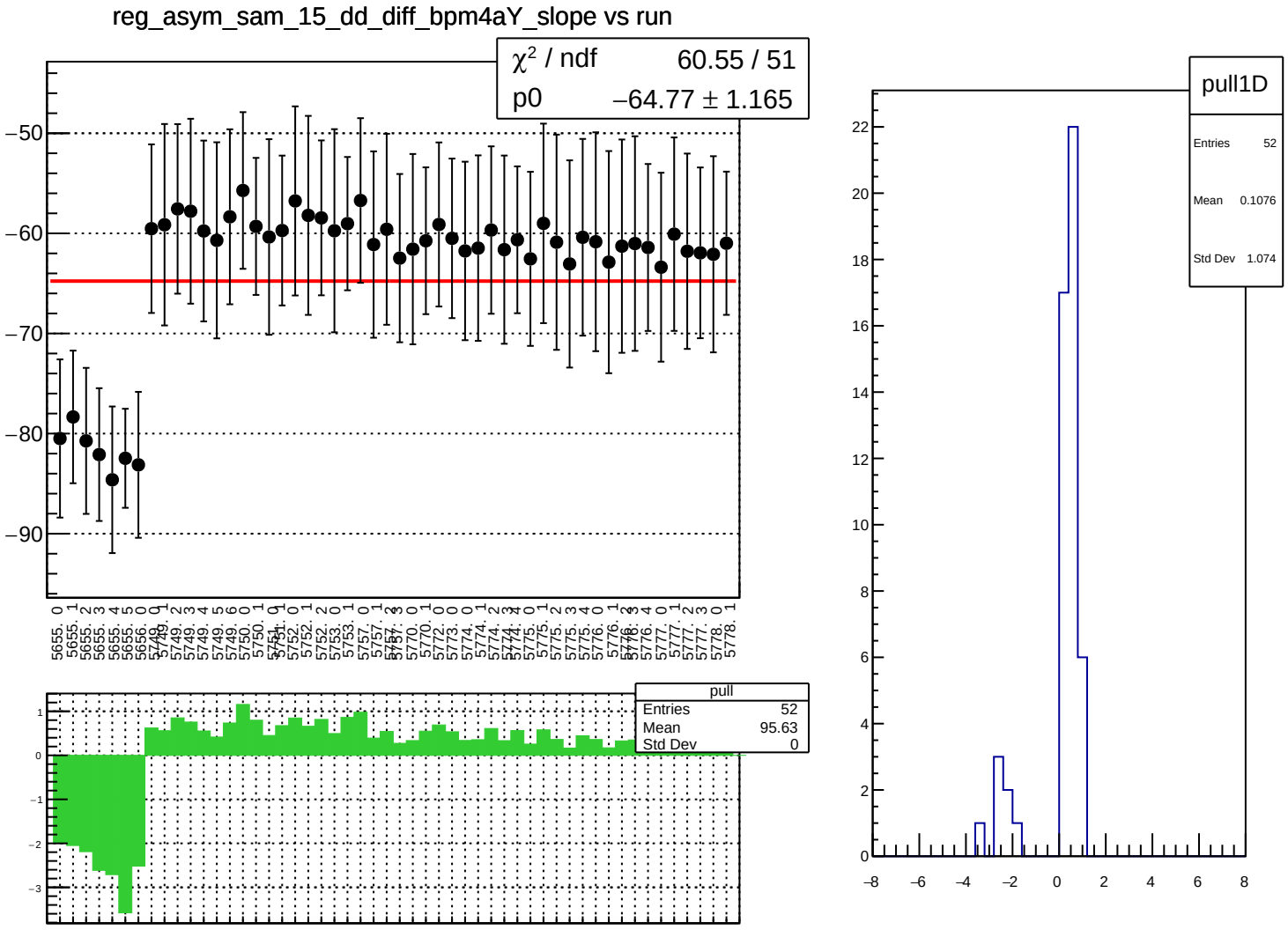

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 49.53 / 51
p0 −4.227 ± 0.1674
pull
Entries 52
Mean −63.2
Std Dev 0
pull1D
Entries 52
Mean 0.06328
Std Dev 0.9739

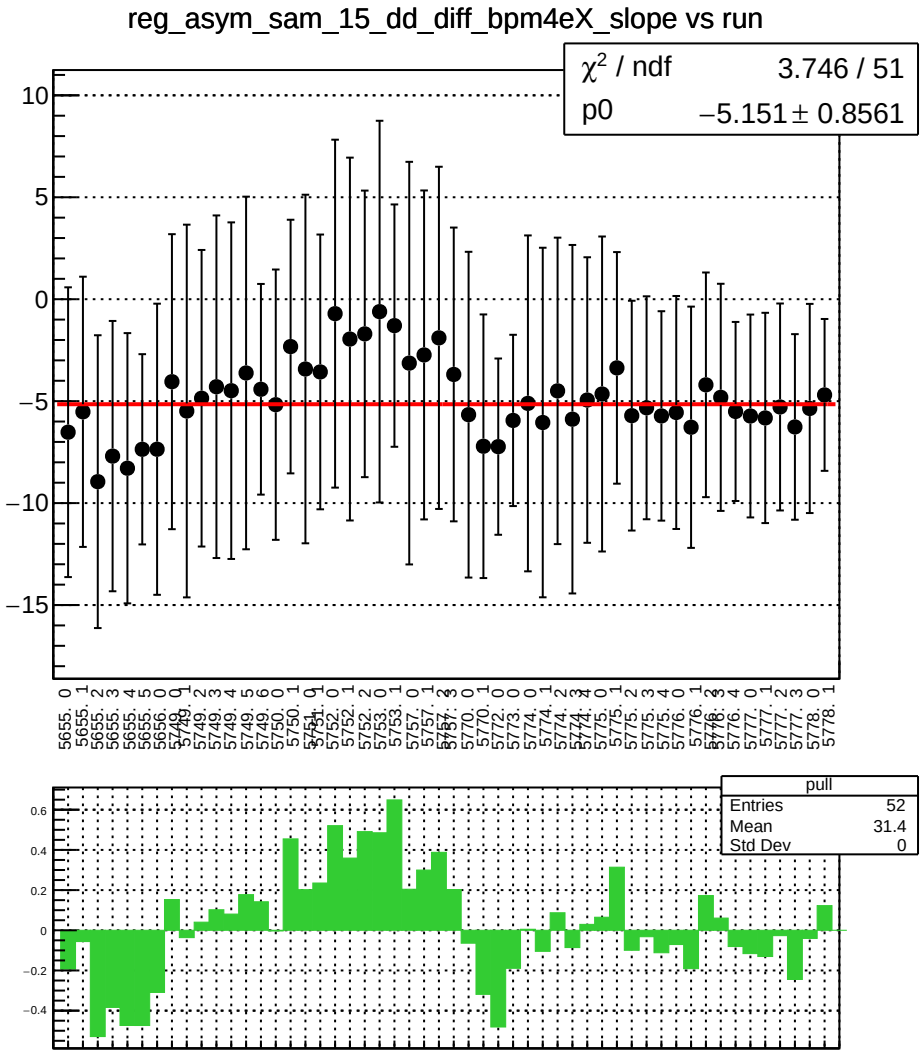

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 1516 / 51
p0 −1.847 ± 0.235
pull
Entries 52
Mean −1159
Std Dev 0
pull1D
Entries 52
Mean 0.631
Std Dev 4.604

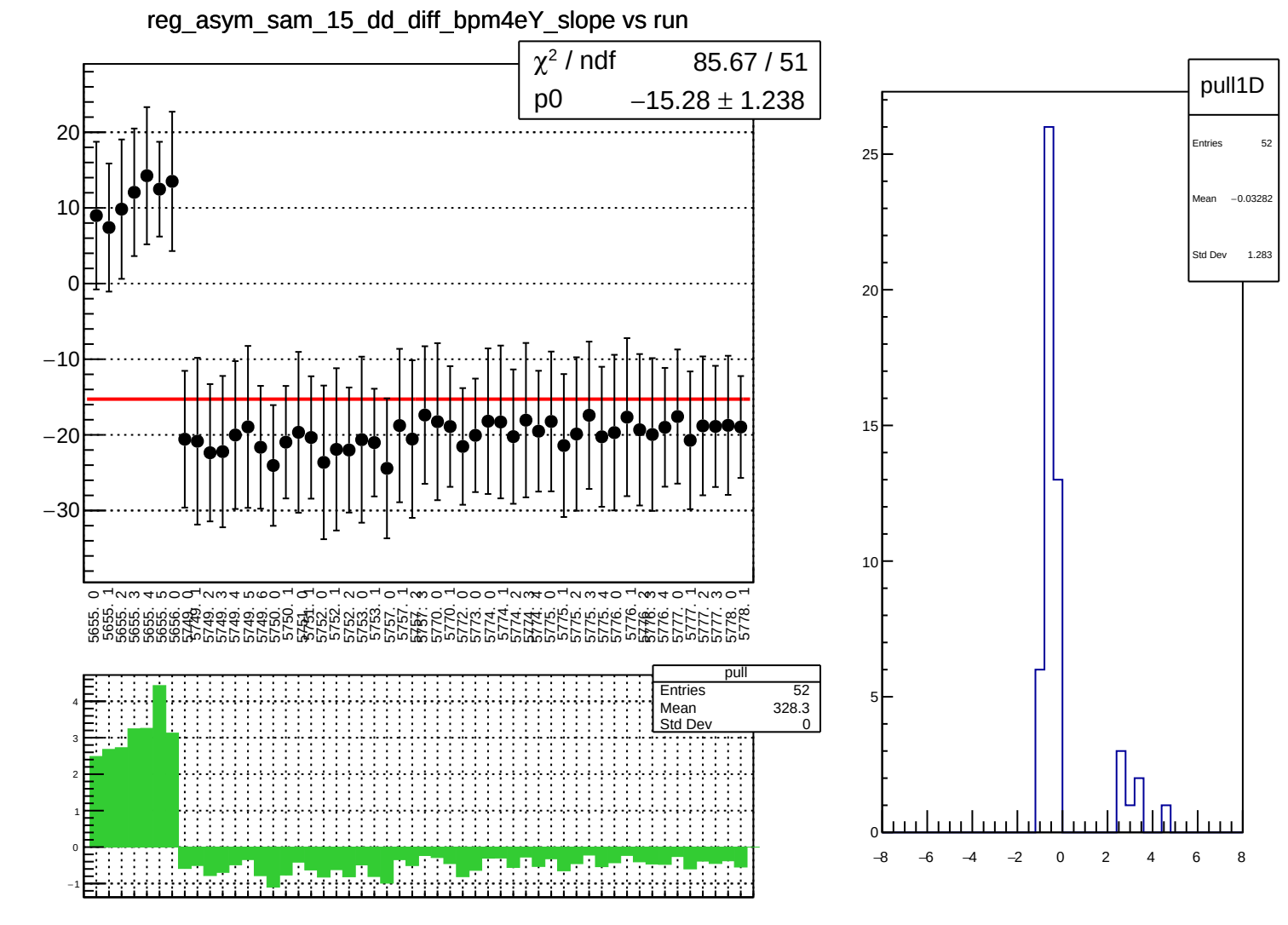

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 835.3 / 51
p0 0.5942 ± 0.01258
pull
Entries 52
Mean 173.1
Std Dev 0
pull1D
Entries 52
Mean −1.48
Std Dev 1.919

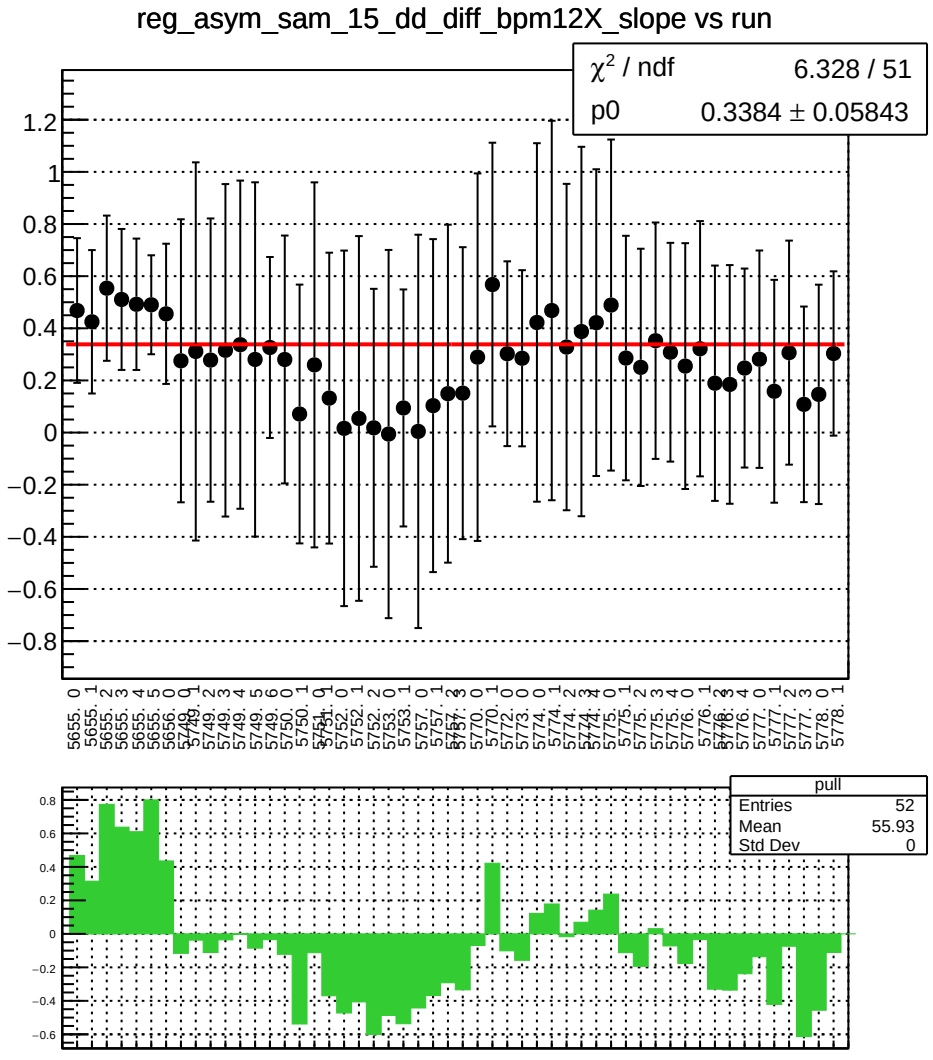

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 5.772 / 51
p0 −0.9051± 0.57
pull
Entries 52
Mean −39.28
Std Dev 0

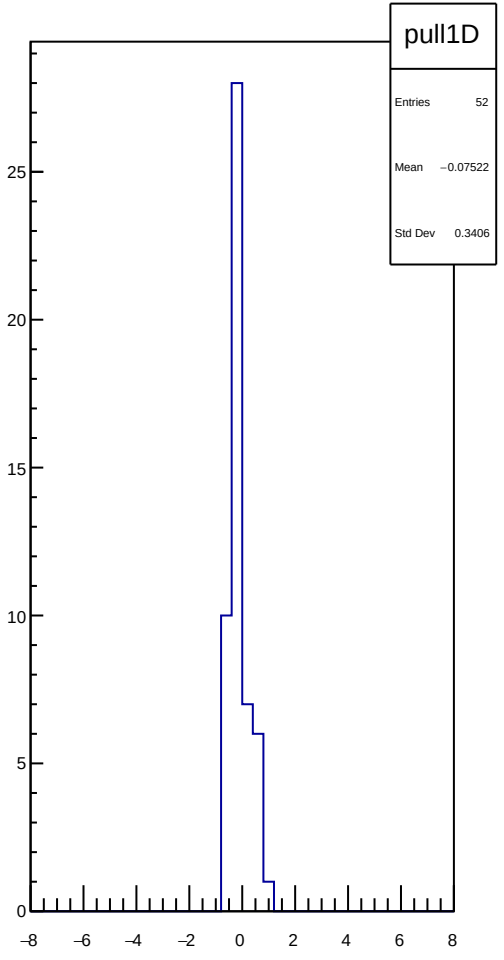

pull1D
Entries 52
Mean 0.02129
Std Dev 0.3325

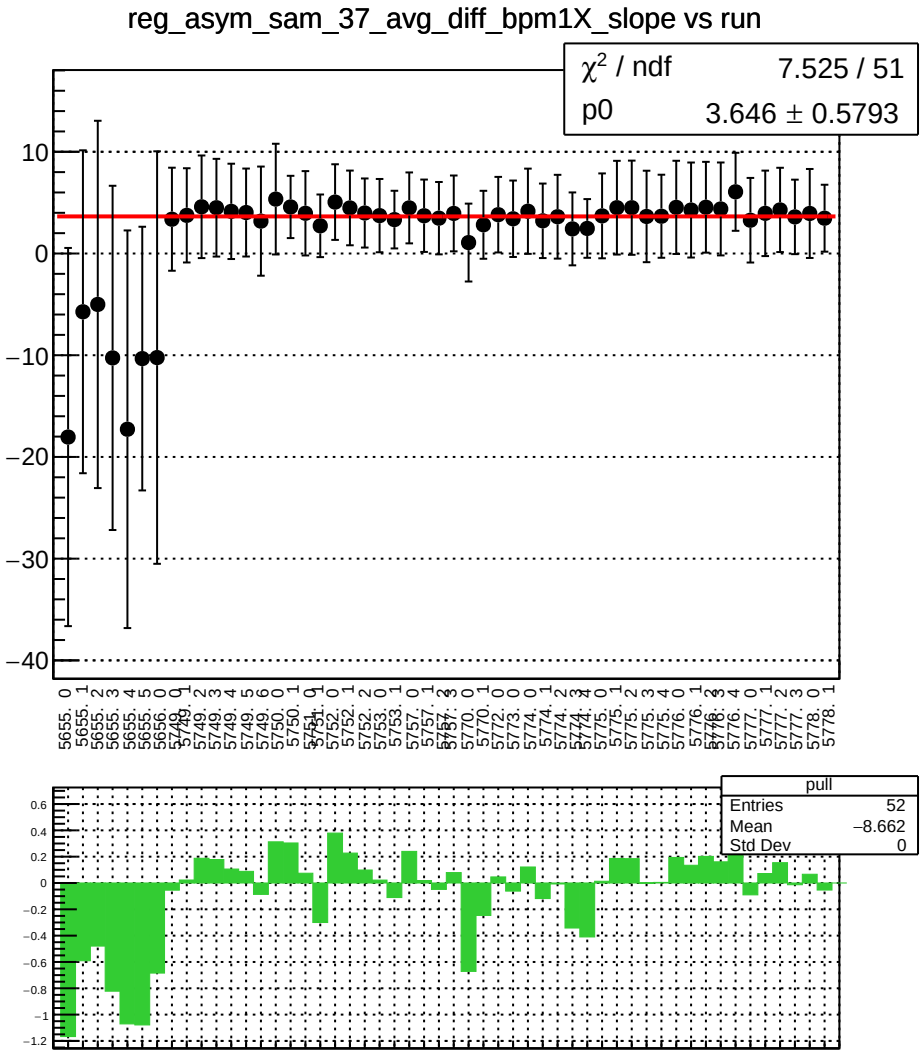

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 60.55 / 51
p0 −64.77 ± 1.165
pull
Entries 52
Mean 95.63
Std Dev 0
pull1D
Entries 52
Mean 0.1076
Std Dev 1.074

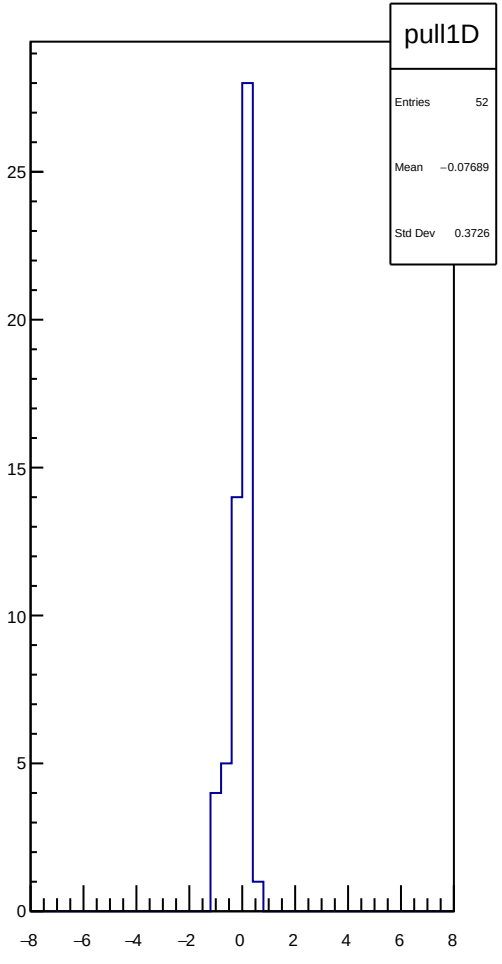

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.746 / 51
p0 −5.151 ± 0.8561
pull
Entries 52
Mean 31.4
Std Dev 0
pull1D
Entries 52
Mean 0.023
Std Dev 0.2674

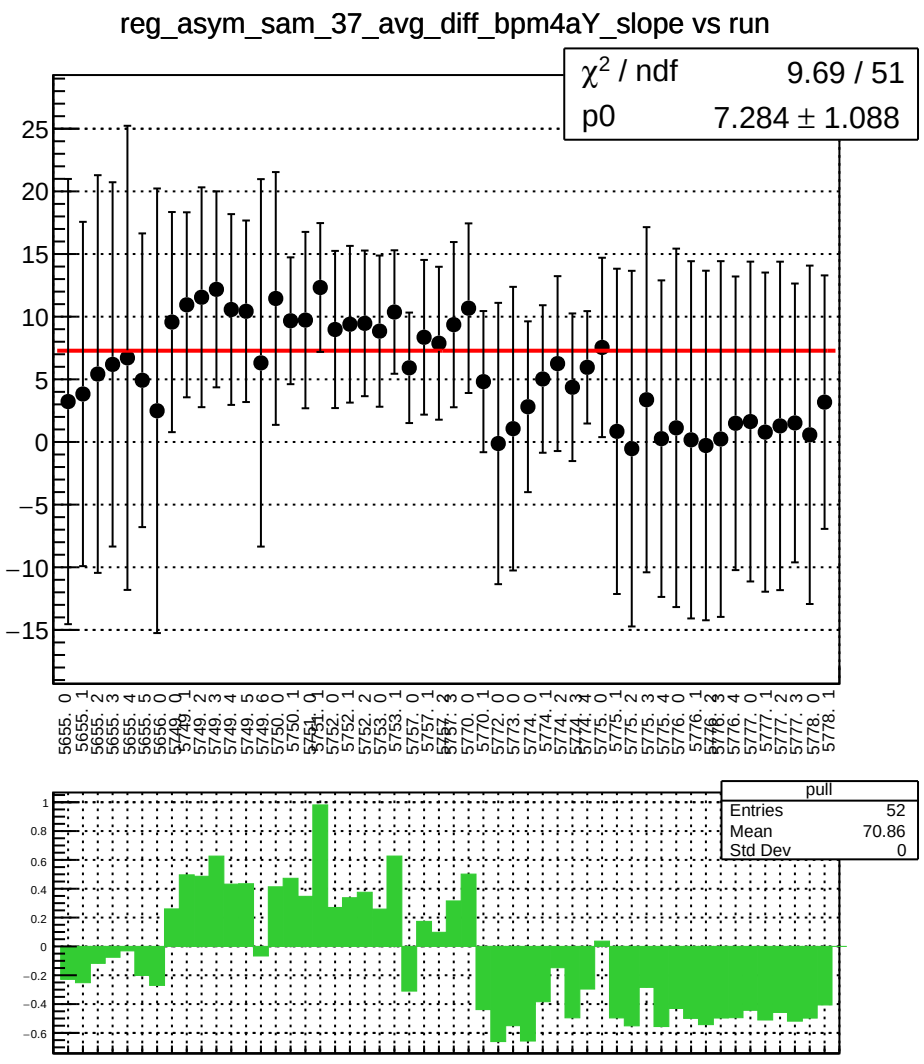

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 85.67 / 51
p0 −15.28 ± 1.238
pull
Entries 52
Mean 328.3
Std Dev 0
pull1D
Entries 52
Mean −0.03282
Std Dev 1.283

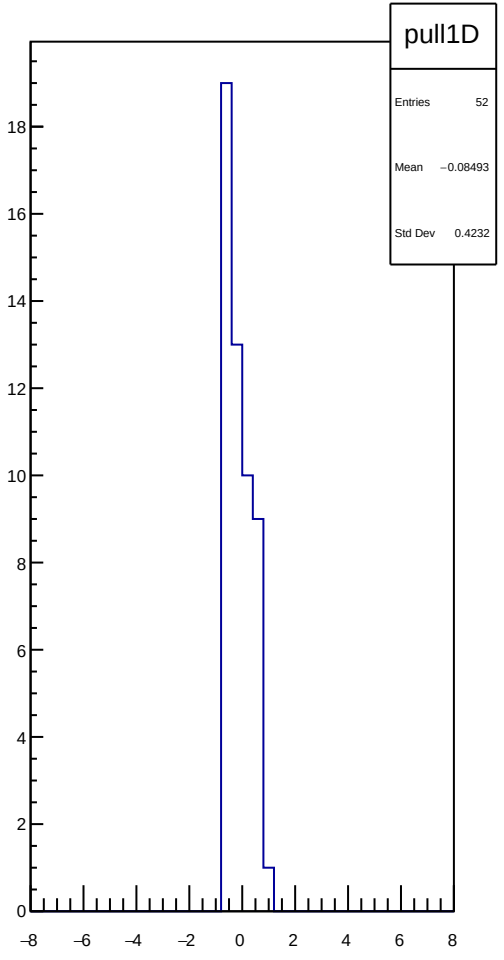

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 6.328 / 51
p0 0.3384 ± 0.05843
pull
Entries 52
Mean 55.93
Std Dev 0

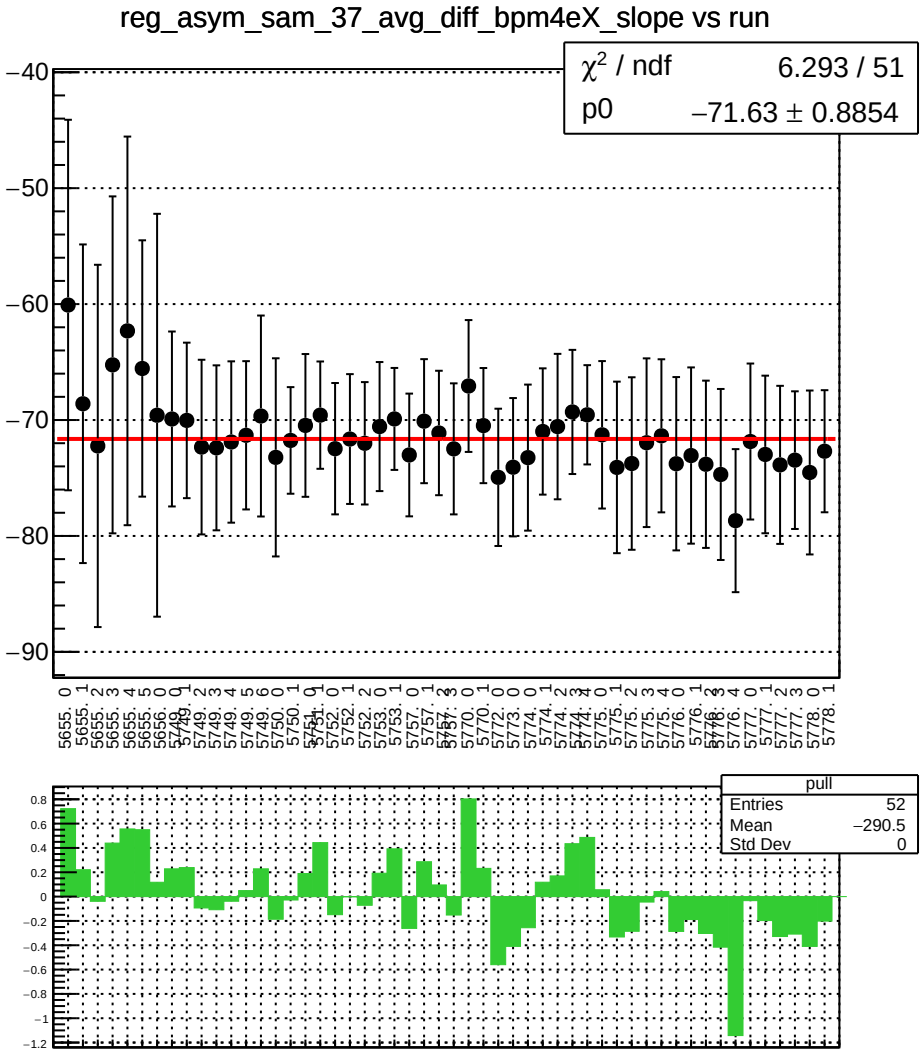

pull1D
Entries 52
Mean −0.07522
Std Dev 0.3406

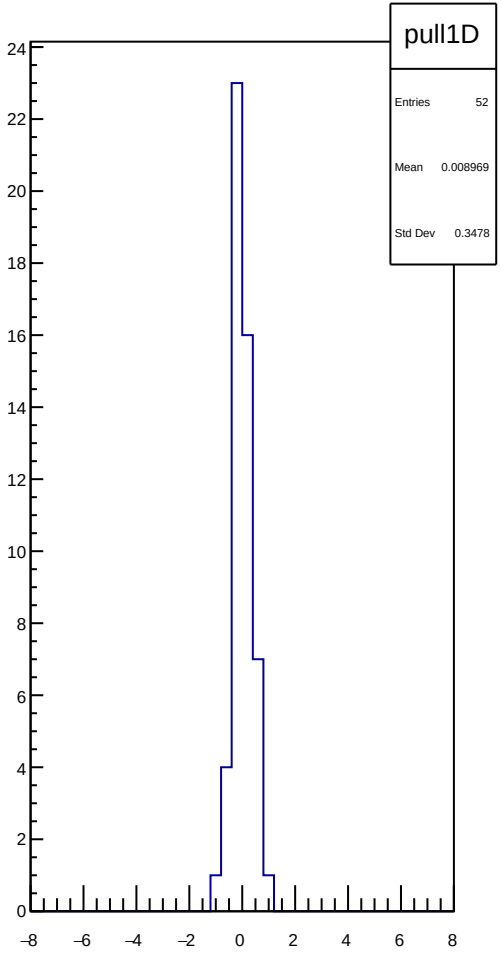

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 7.525 / 51
p0 3.646 ± 0.5793
pull
Entries 52
Mean −8.662
Std Dev 0

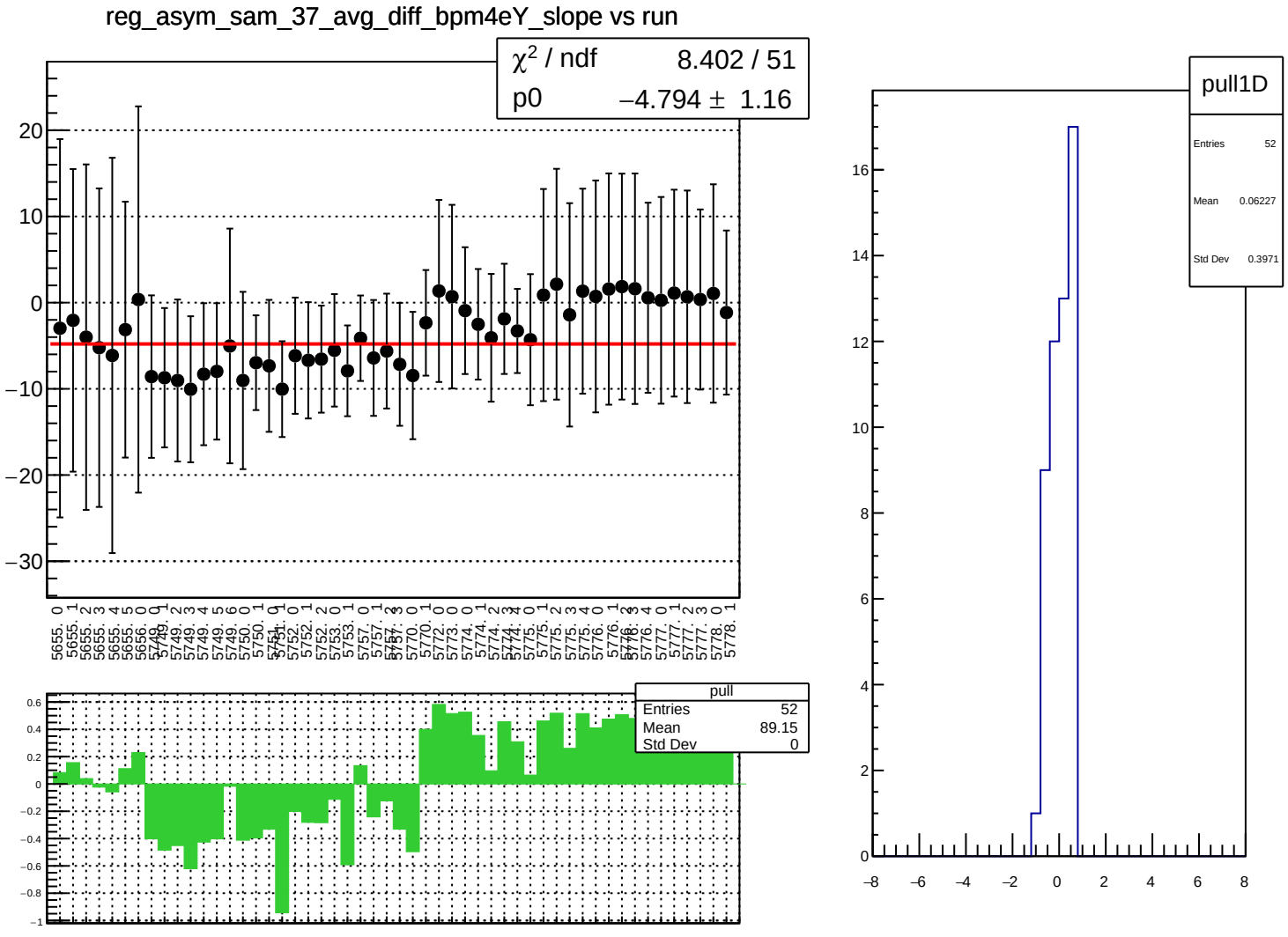

pull1D
Entries 52
Mean −0.07689
Std Dev 0.3726

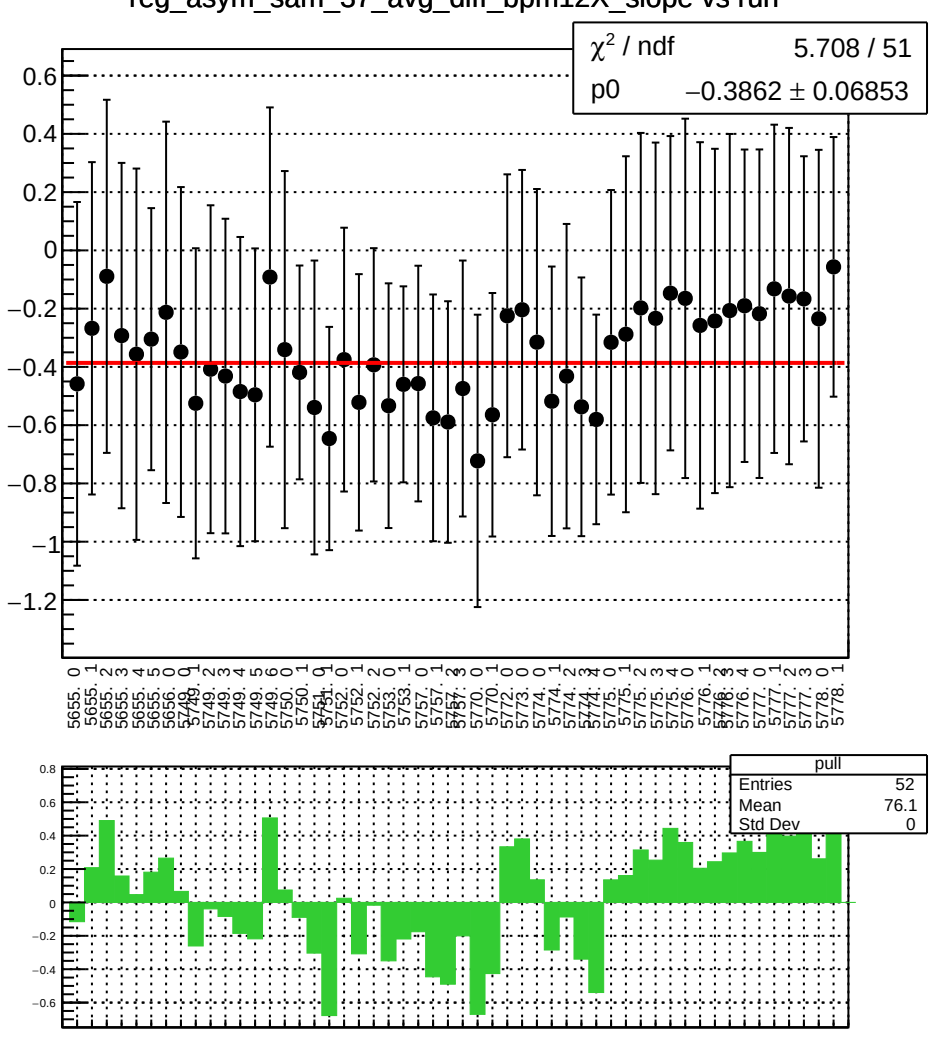

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.69 / 51
p0 7.284 ± 1.088
pull
Entries 52
Mean 70.86
Std Dev 0

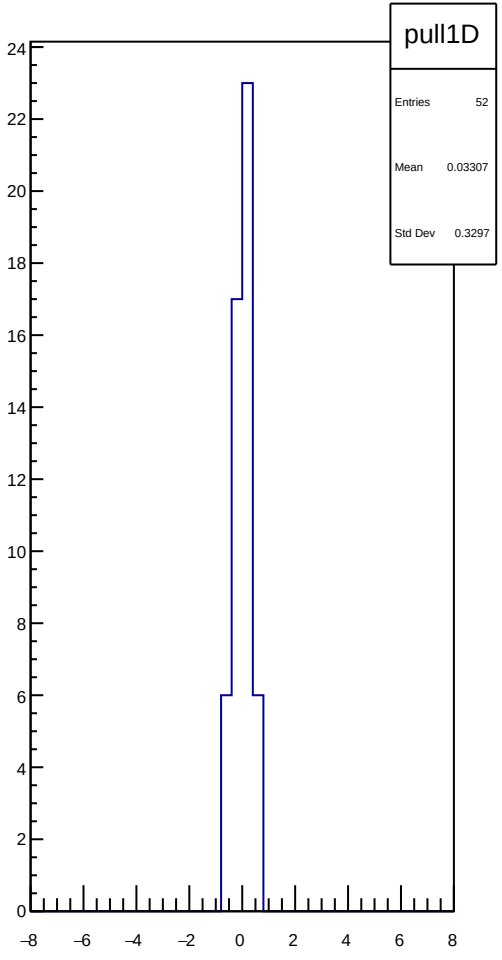

pull1D
Entries 52
Mean −0.08493
Std Dev 0.4232

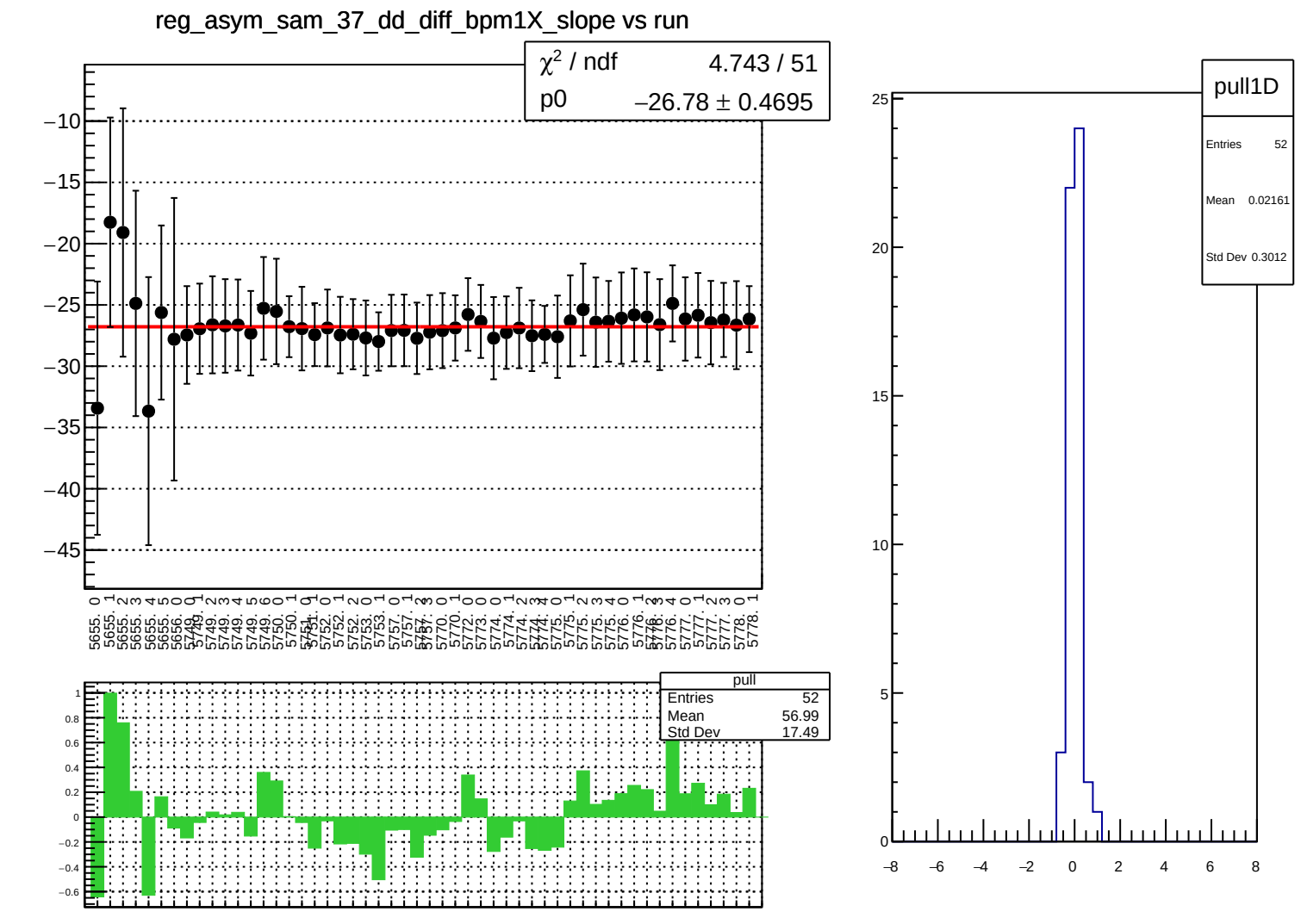

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.293 / 51
p0 −71.63 ± 0.8854
pull
Entries 52
Mean −290.5
Std Dev 0

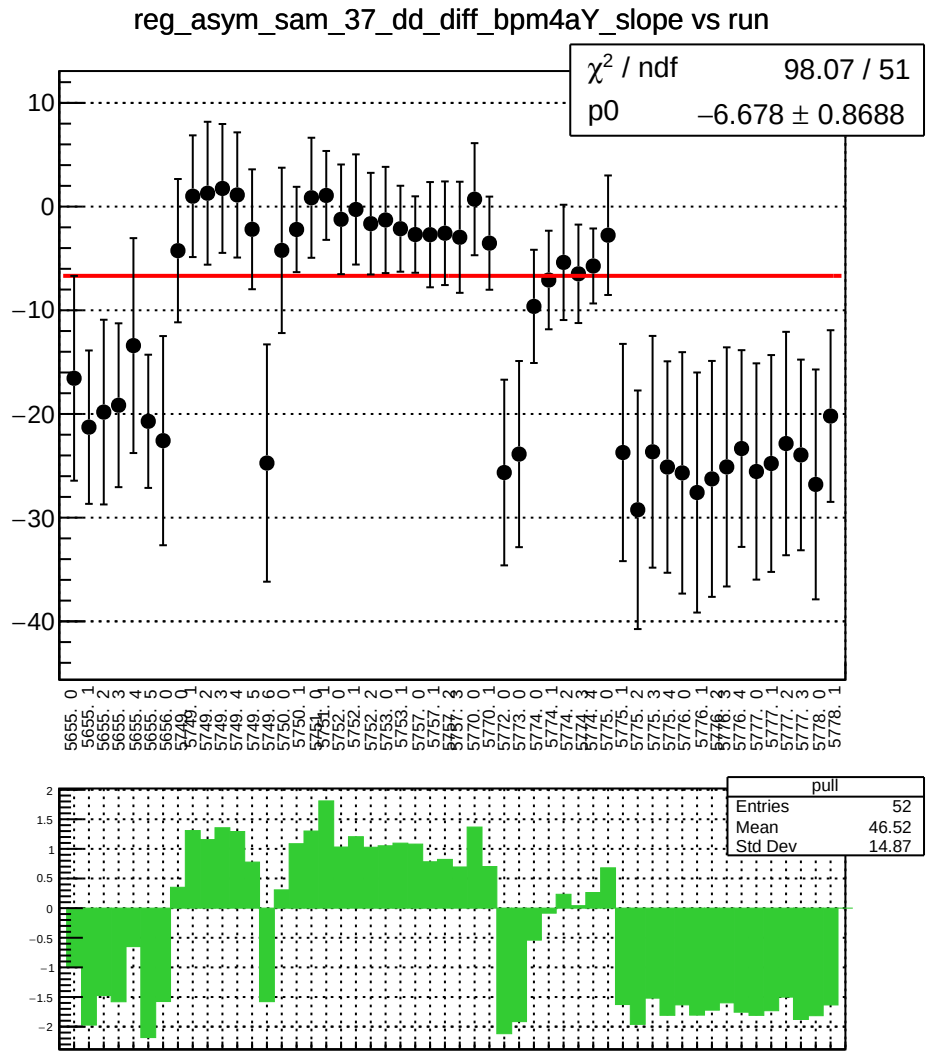

pull1D
Entries 52
Mean 0.008969
Std Dev 0.3478

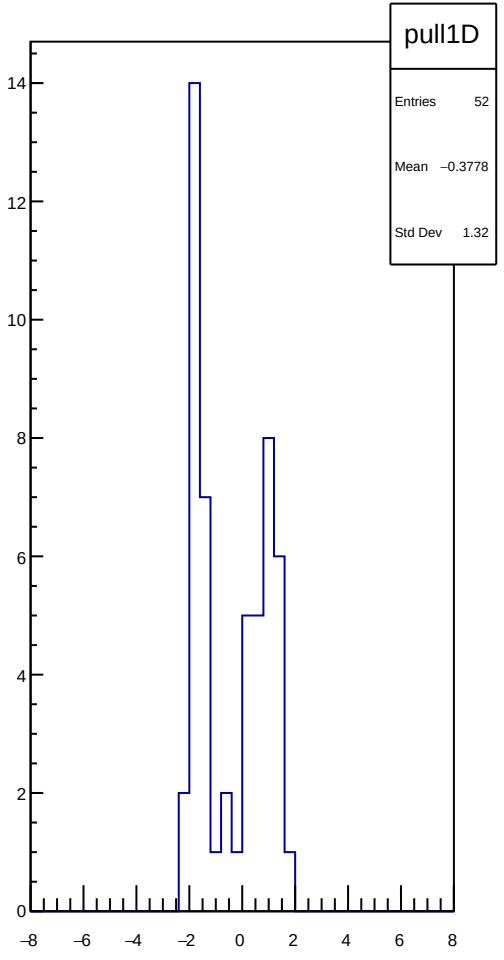

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.402 / 51
p0 −4.794 ± 1.16
pull
Entries 52
Mean 89.15
Std Dev 0
pull1D
Entries 52
Mean 0.06227
Std Dev 0.3971

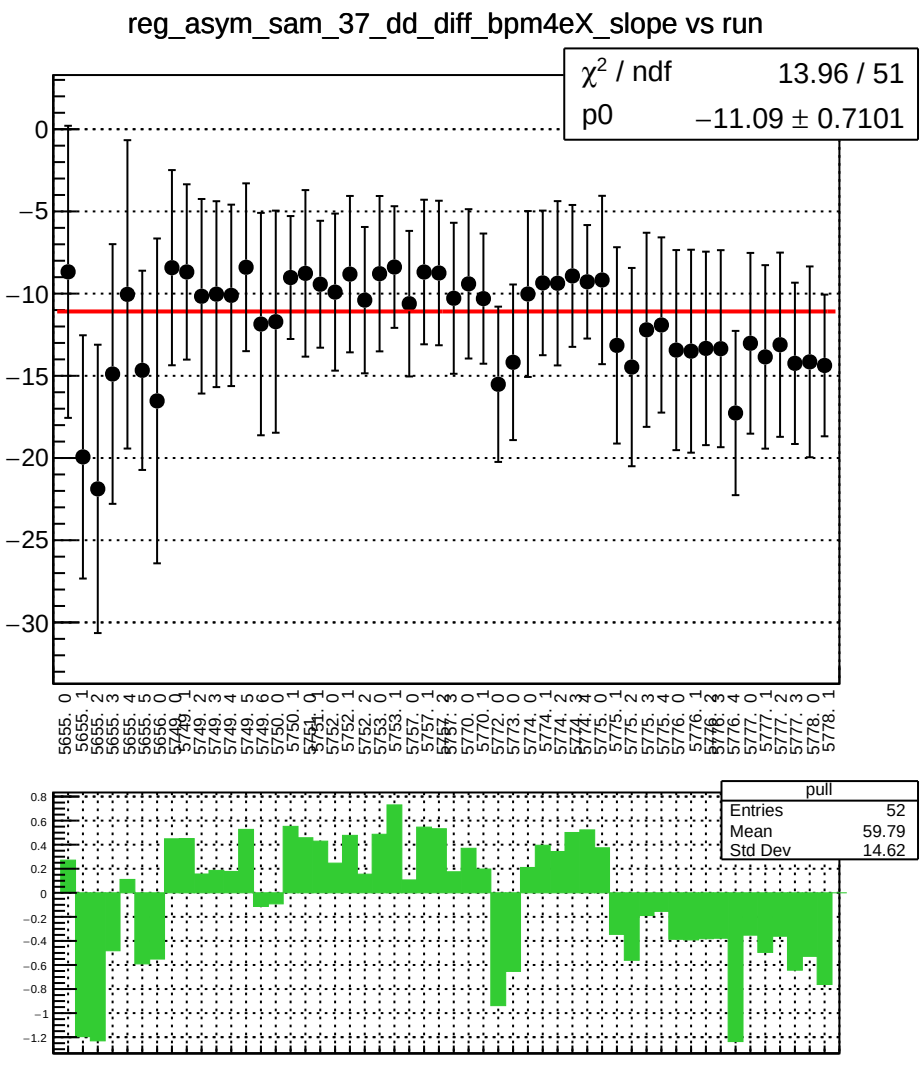

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 5.708 / 51
p0 −0.3862 ± 0.06853
pull
Entries 52
Mean 76.1
Std Dev 0

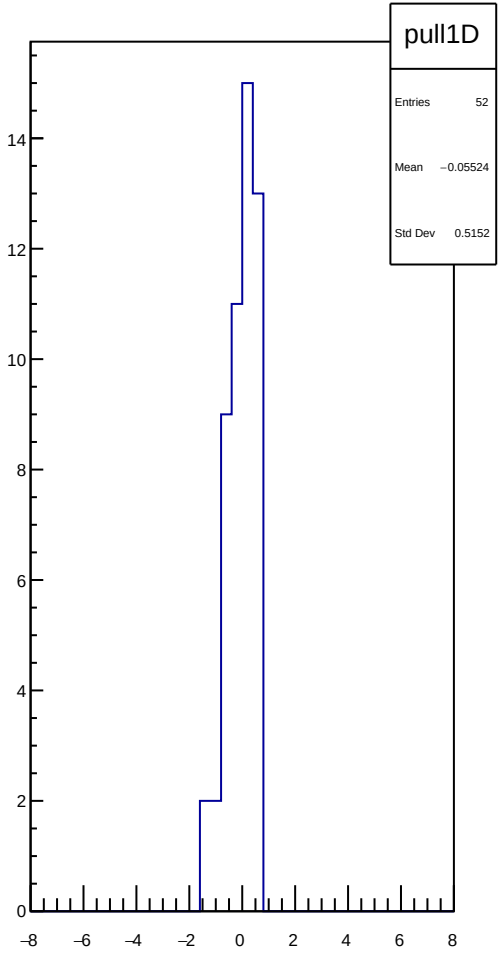

pull1D
Entries 52
Mean 0.03307
Std Dev 0.3297

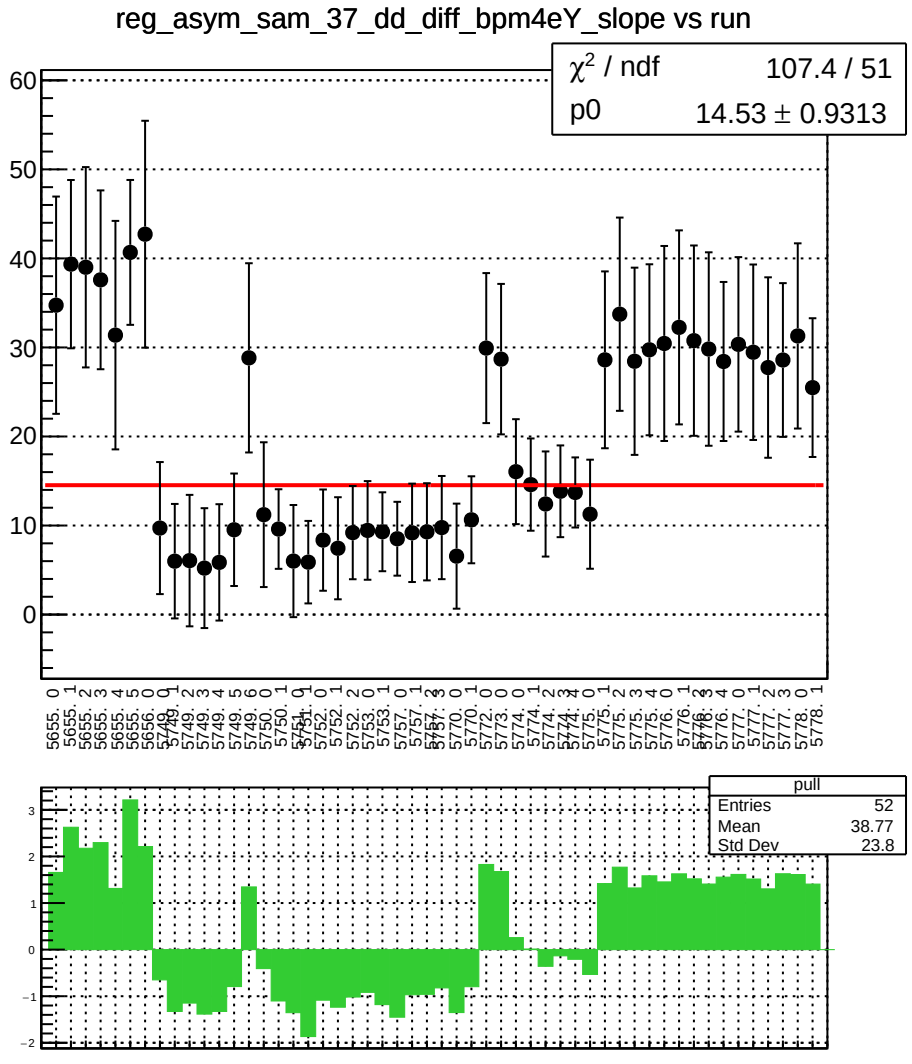

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 4.743 / 51
p0 −26.78 ± 0.4695
pull
Entries 52
Mean 56.99
Std Dev 17.49
pull1D
Entries 52
Mean 0.02161
Std Dev 0.3012

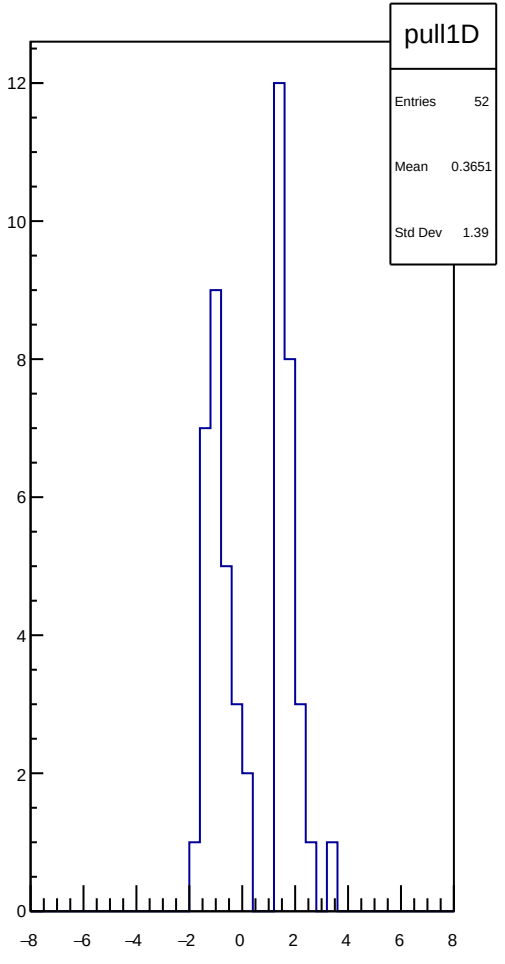

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 98.07 / 51
p0 −6.678 ± 0.8688
pull
Entries 52
Mean 46.52
Std Dev 14.87

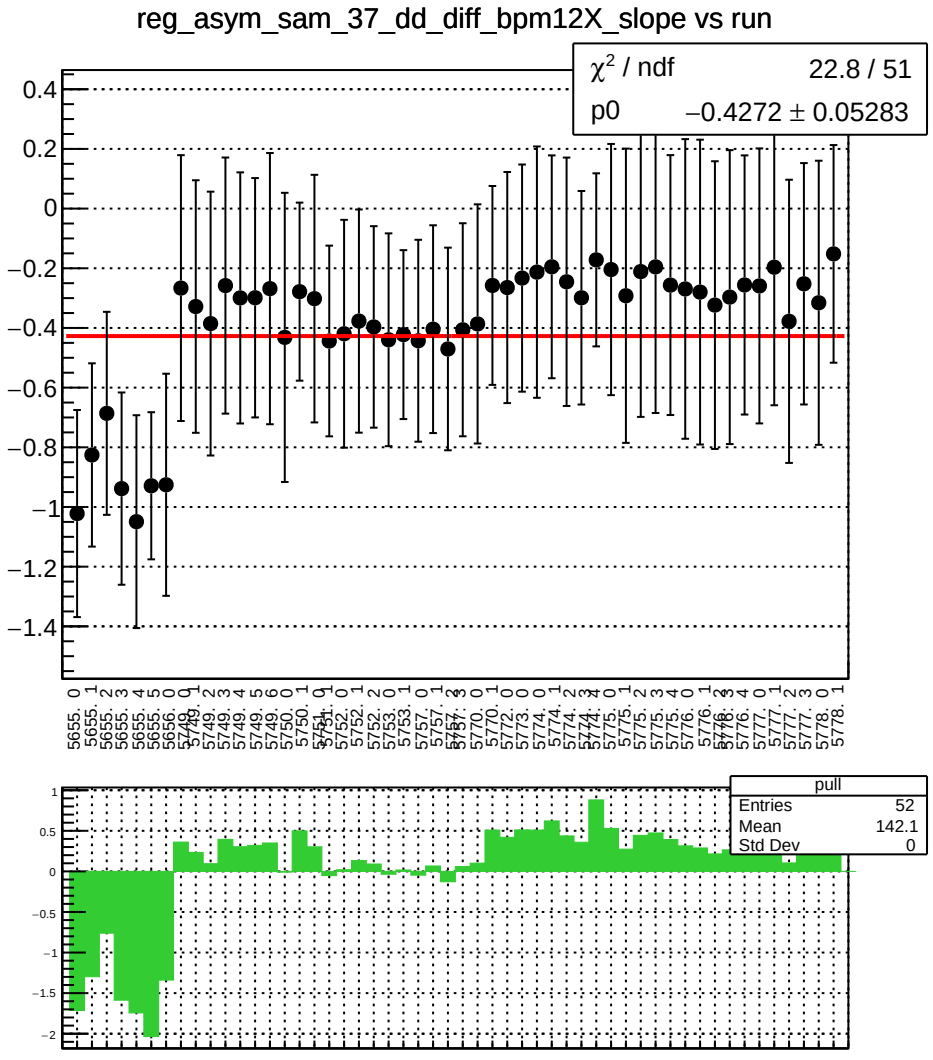

pull1D
Entries 52
Mean −0.3778
Std Dev 1.32

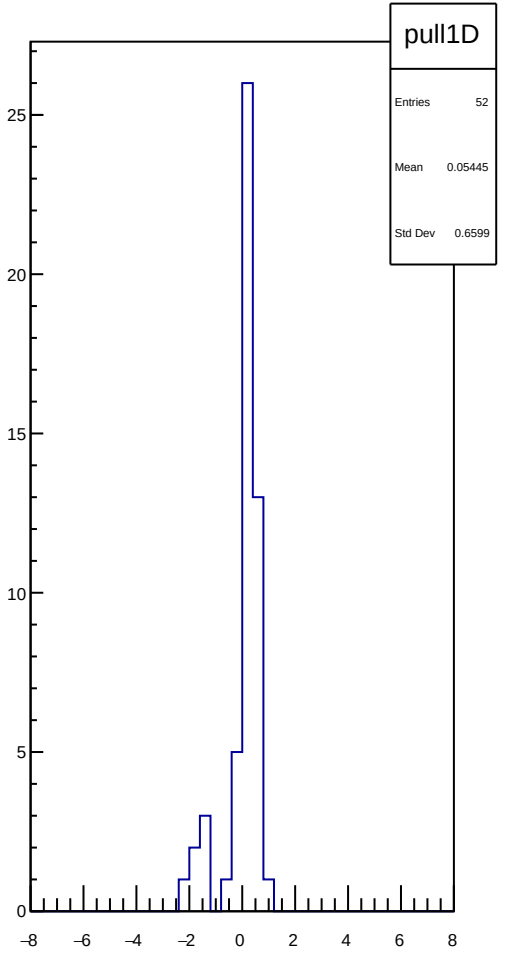

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.96 / 51
p0 −11.09 ± 0.7101
pull
Entries 52
Mean 59.79
Std Dev 14.62

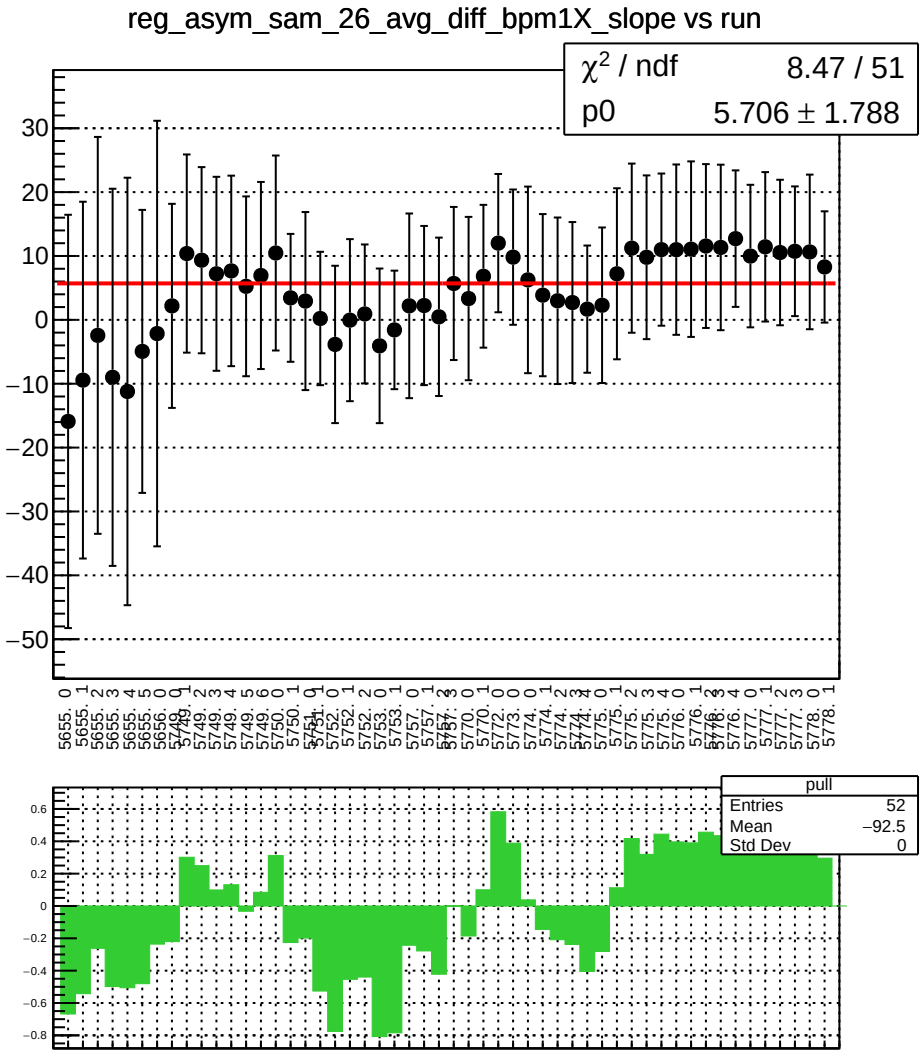

pull1D
Entries 52
Mean −0.05524
Std Dev 0.5152

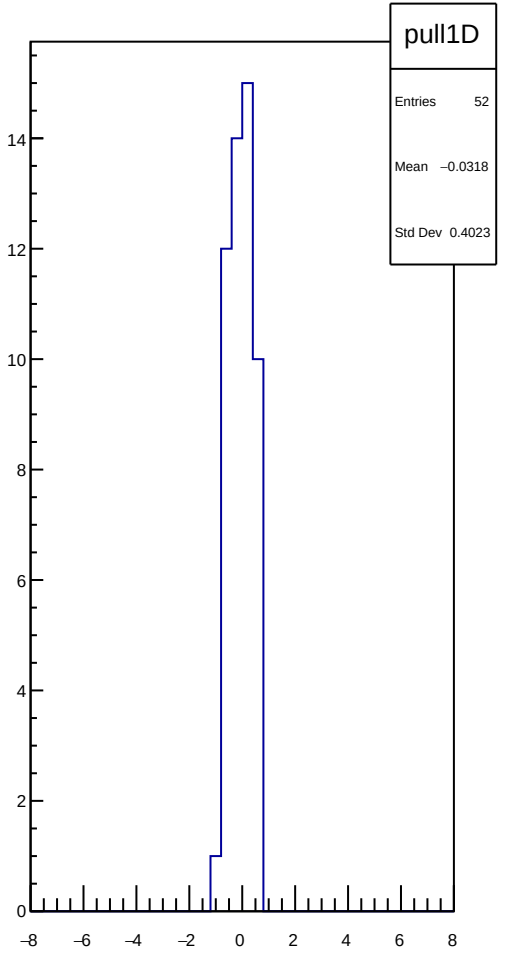

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 107.4 / 51
p0 14.53 ± 0.9313
pull
Entries 52
Mean 38.77
Std Dev 23.8

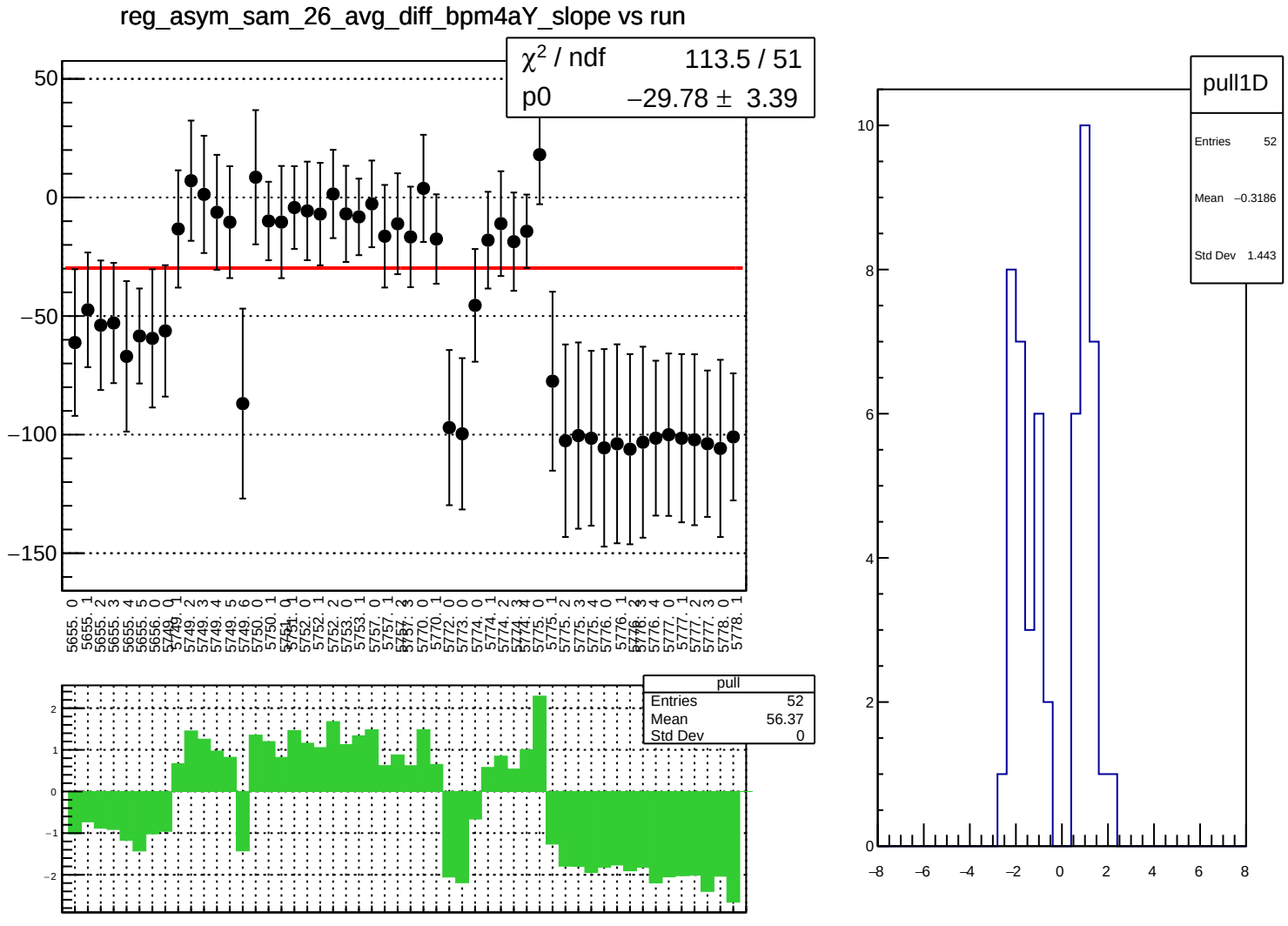

pull1D
Entries 52
Mean 0.3651
Std Dev 1.39

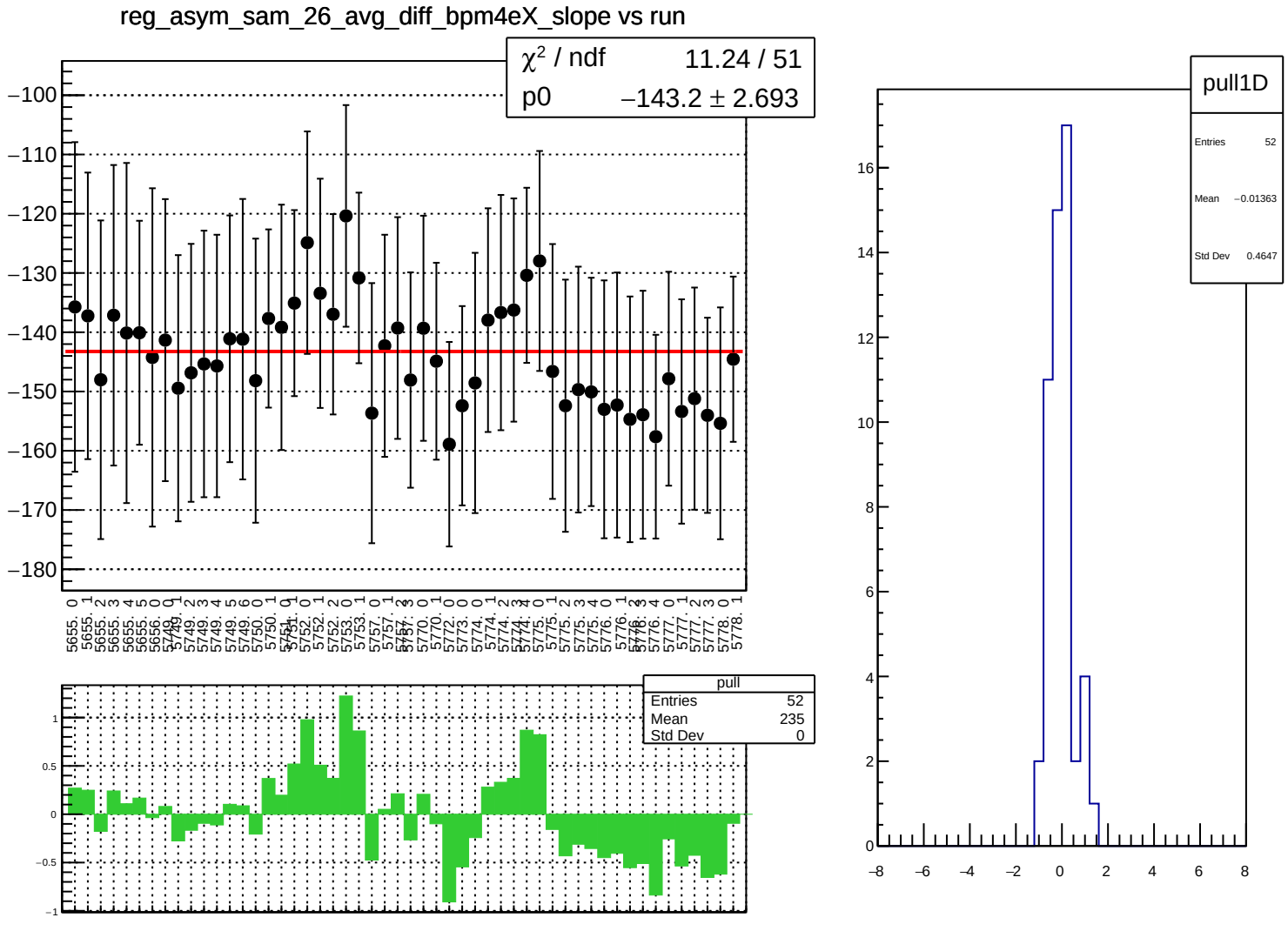

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 22.8 / 51
p0 −0.4272 ± 0.05283
pull
Entries 52
Mean 142.1
Std Dev 0

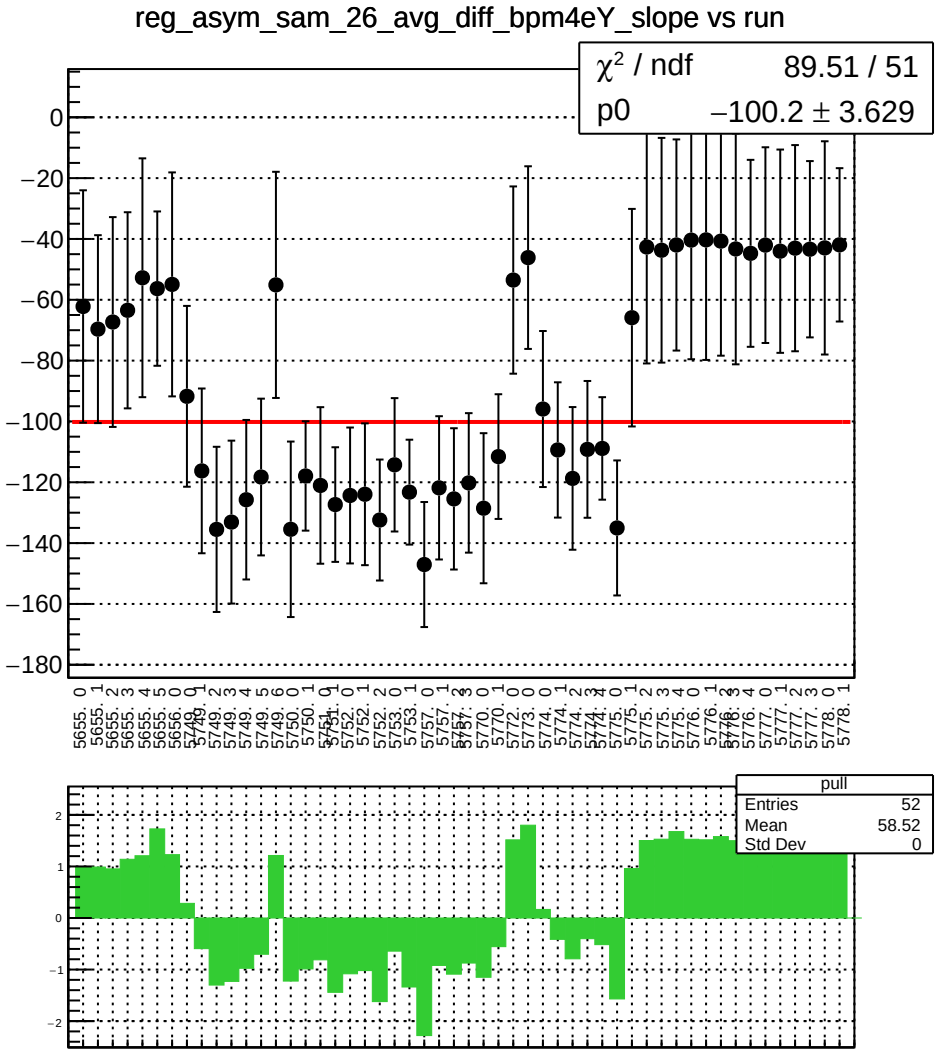

pull1D
Entries 52
Mean 0.05445
Std Dev 0.6599

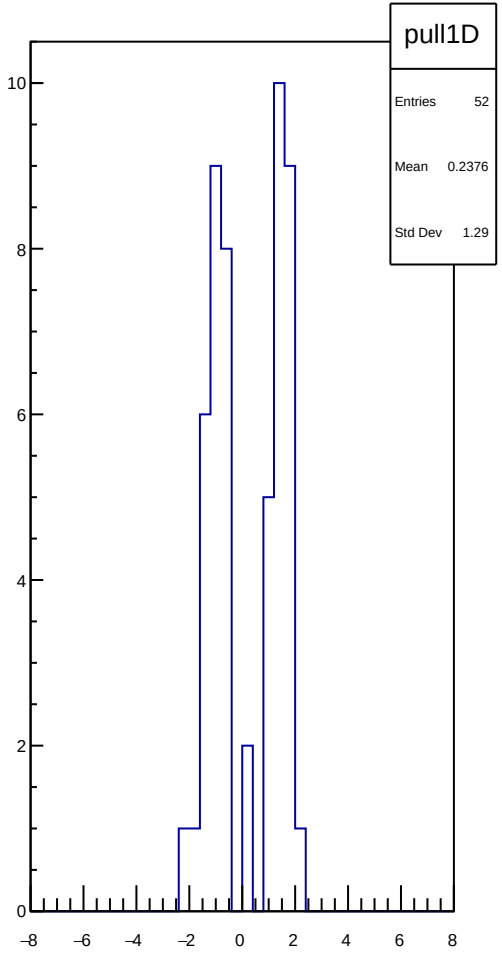

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 8.47 / 51
p0 5.706 ± 1.788
pull
Entries 52
Mean −92.5
Std Dev 0

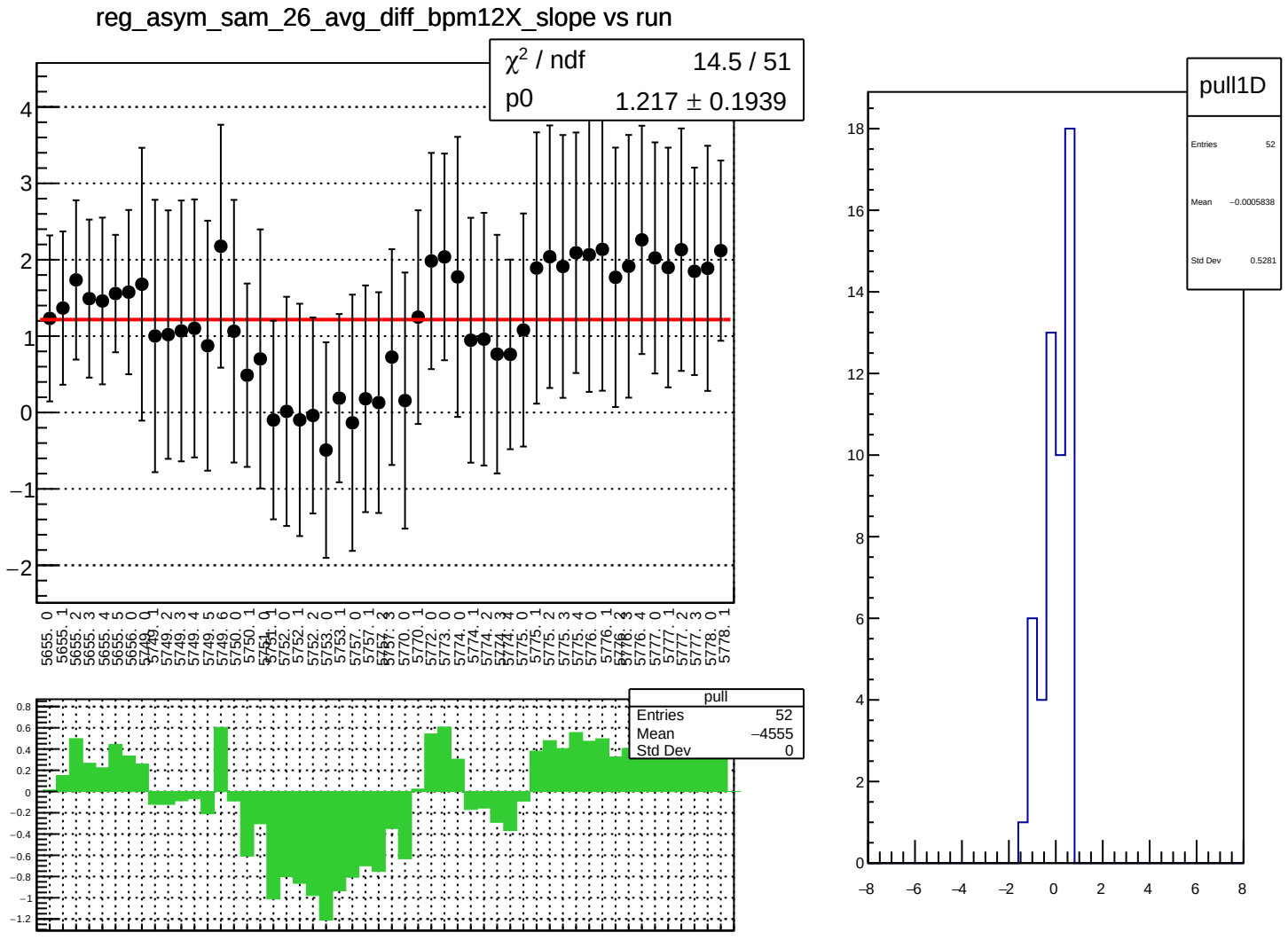

pull1D
Entries 52
Mean −0.0318
Std Dev 0.4023

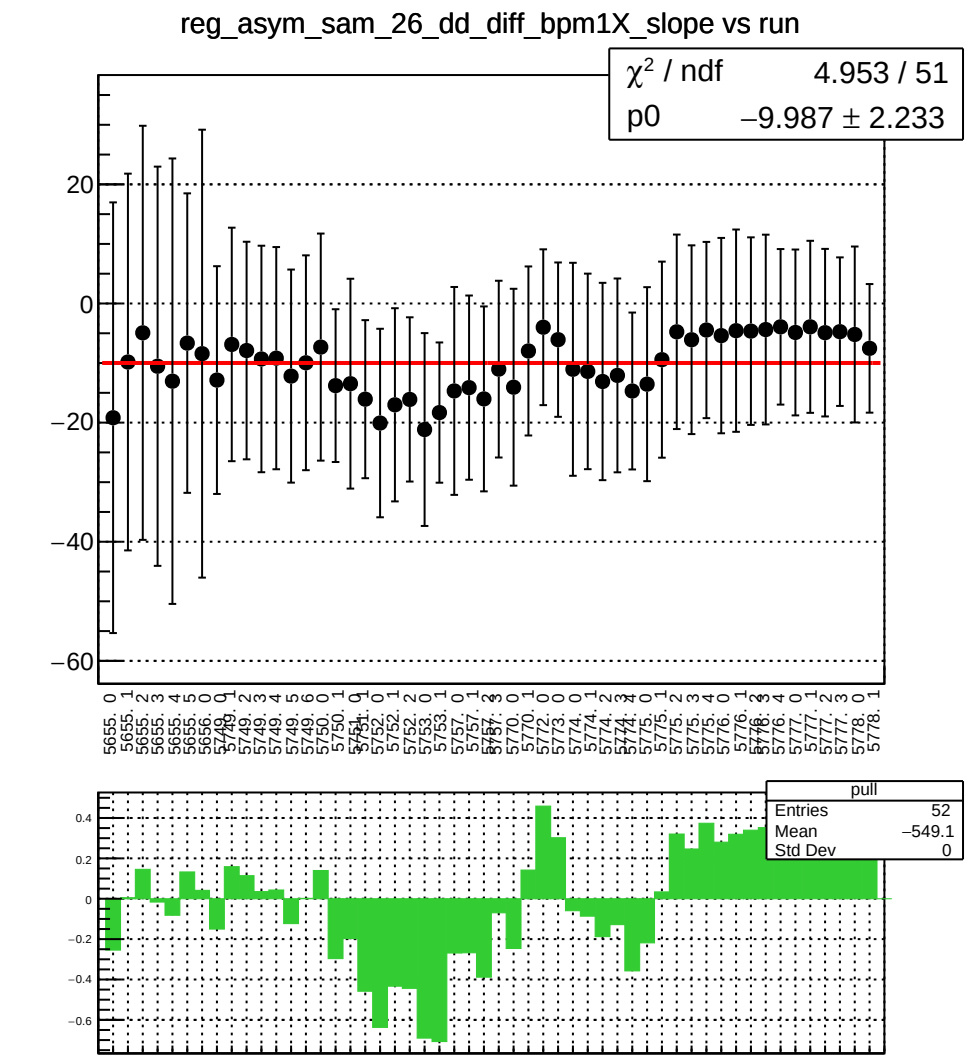

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 113.5 / 51
p0 −29.78 ± 3.39
pull
Entries 52
Mean 56.37
Std Dev 0
pull1D
Entries 52
Mean −0.3186
Std Dev 1.443

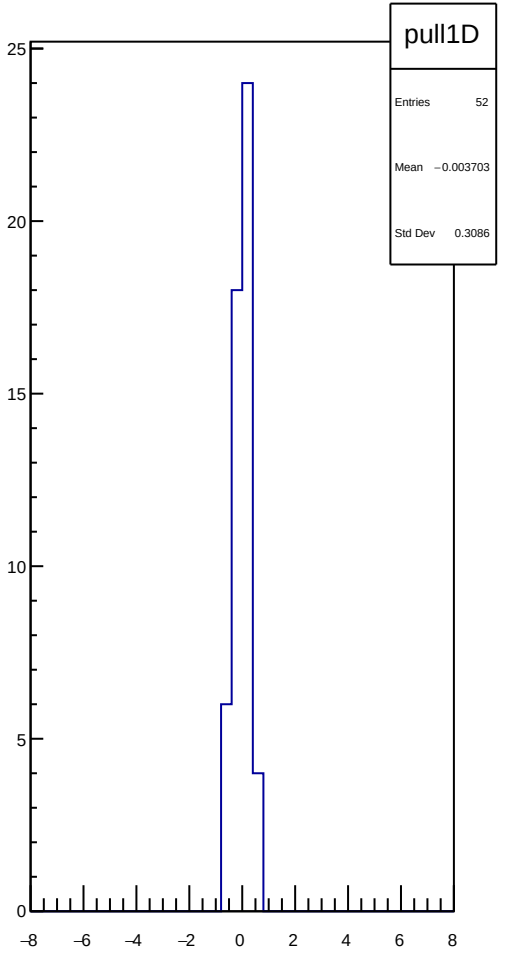

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.24 / 51
p0 −143.2 ± 2.693
pull
Entries 52
Mean 235
Std Dev 0
pull1D
Entries 52
Mean −0.01363
Std Dev 0.4647

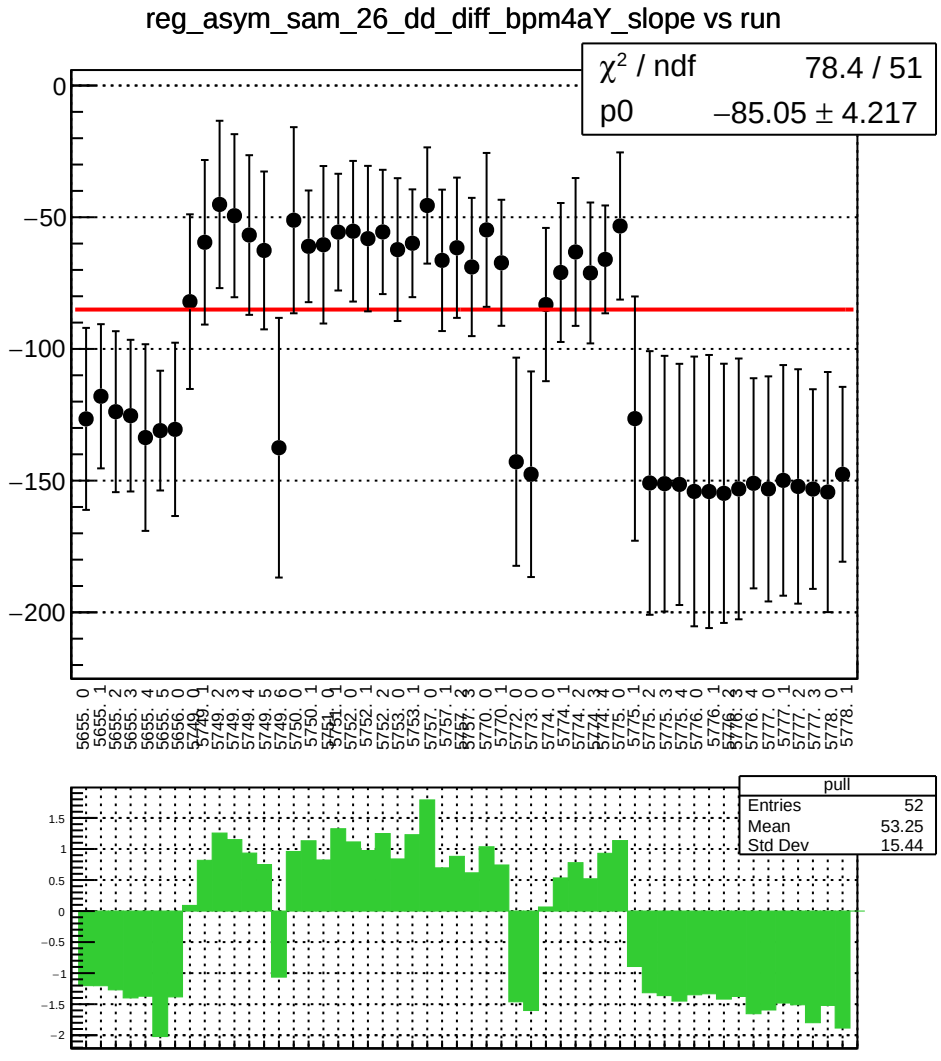

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 89.51 / 51
p0 −100.2 ± 3.629
pull
Entries 52
Mean 58.52
Std Dev 0

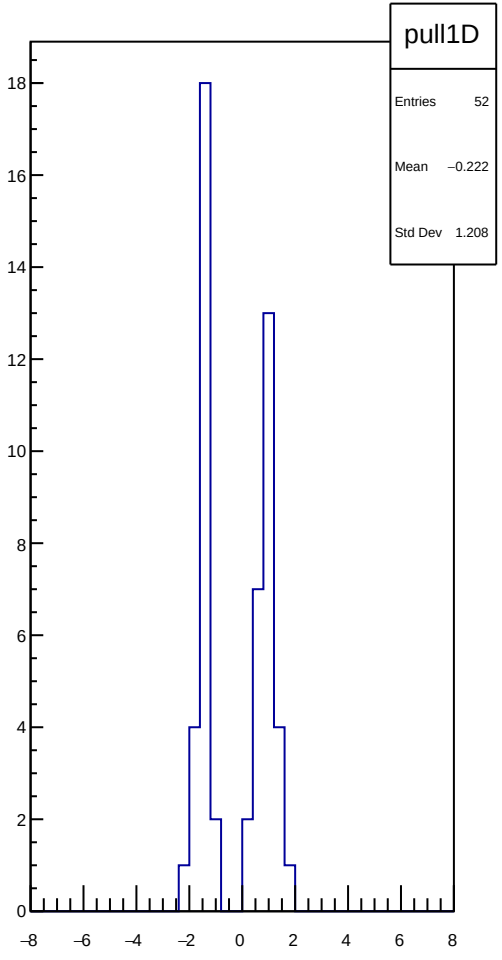

pull1D
Entries 52
Mean 0.2376
Std Dev 1.29

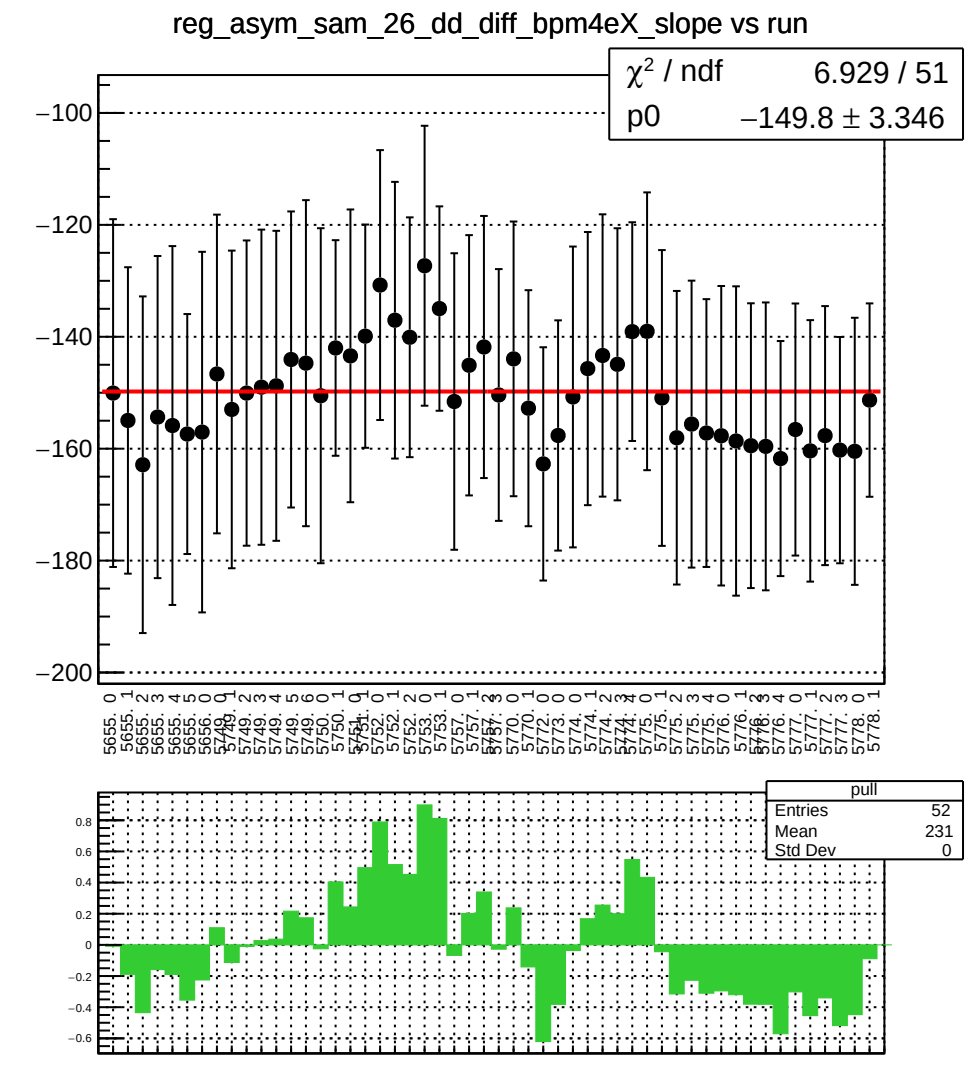

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 14.5 / 51
p0 1.217 ± 0.1939
pull
Entries 52
Mean −4555
Std Dev 0
pull1D
Entries 52
Mean −0.0005838
Std Dev 0.5281

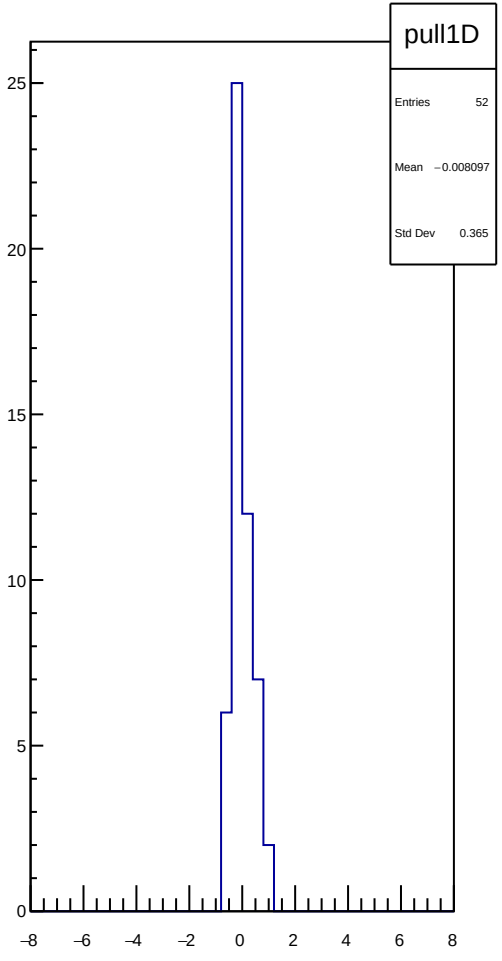

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 4.953 / 51
p0 −9.987 ± 2.233
pull
Entries 52
Mean −549.1
Std Dev 0

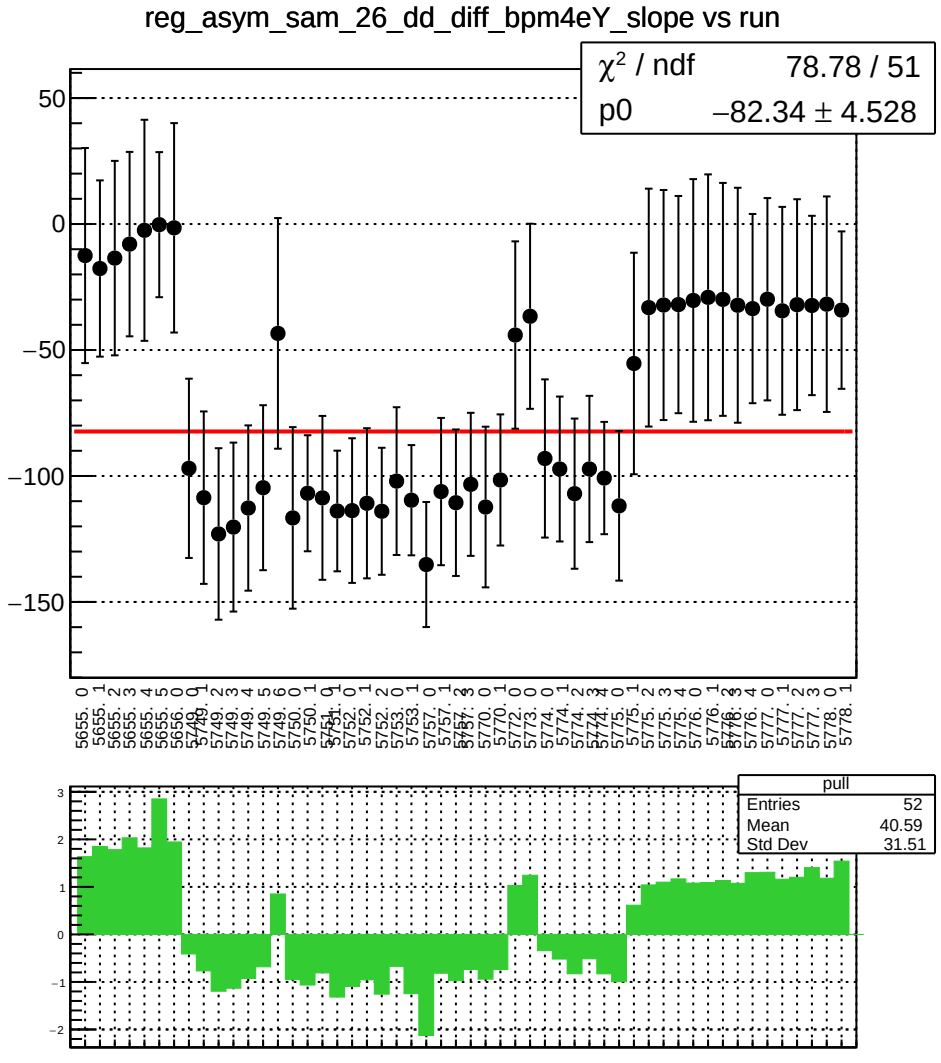

pull1D
Entries 52
Mean −0.003703
Std Dev 0.3086

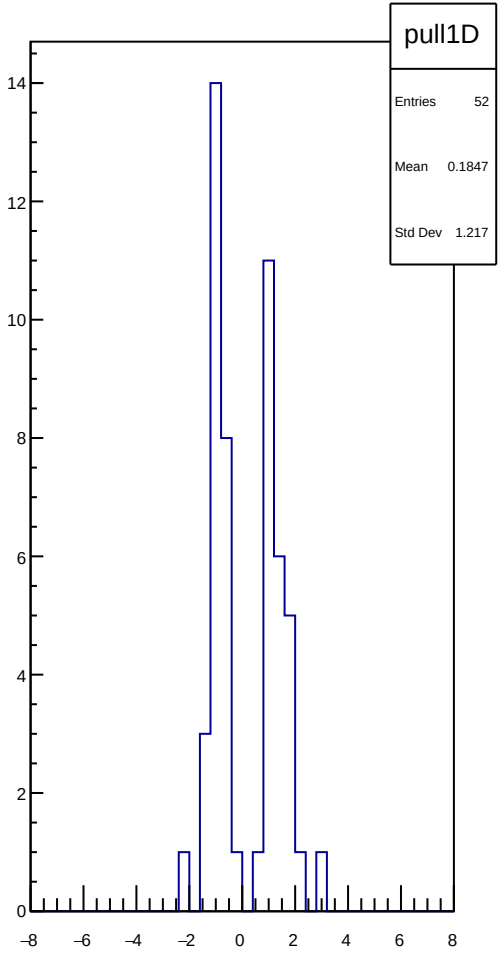

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 78.4 / 51
p0 −85.05 ± 4.217
pull
Entries 52
Mean 53.25
Std Dev 15.44

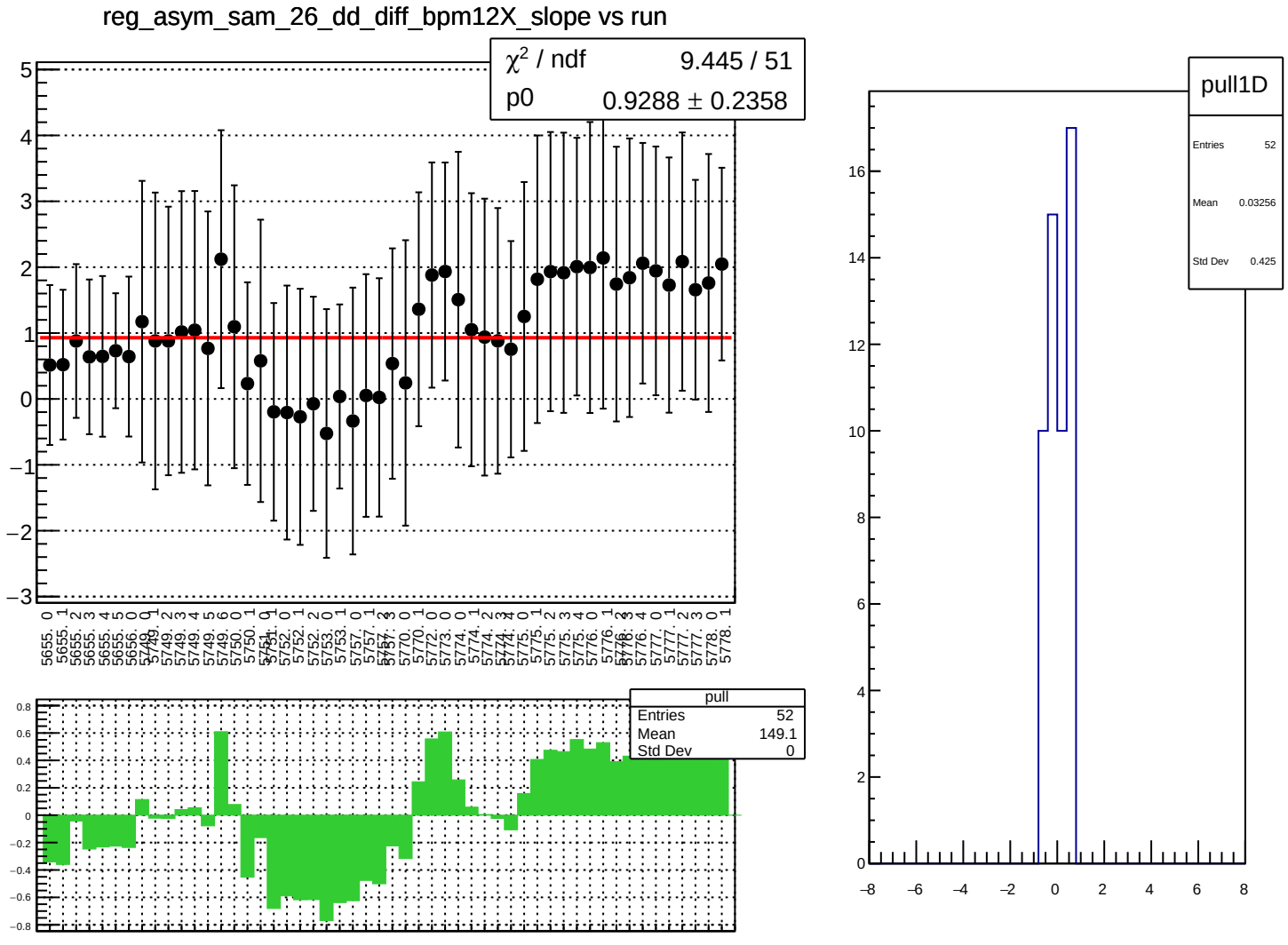

pull1D
Entries 52
Mean −0.222
Std Dev 1.208

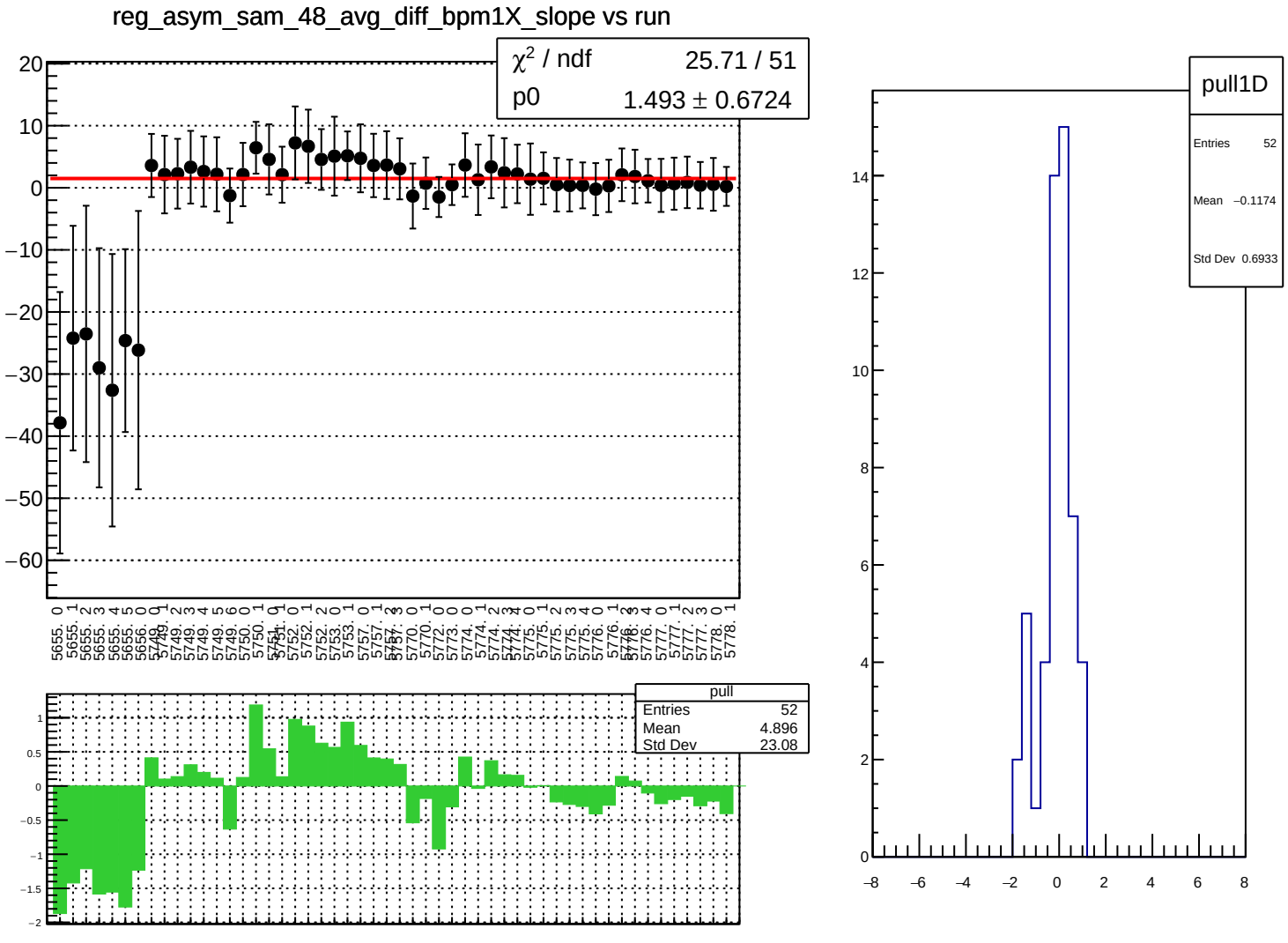

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.929 / 51
p0 −149.8 ± 3.346
pull
Entries 52
Mean 231
Std Dev 0

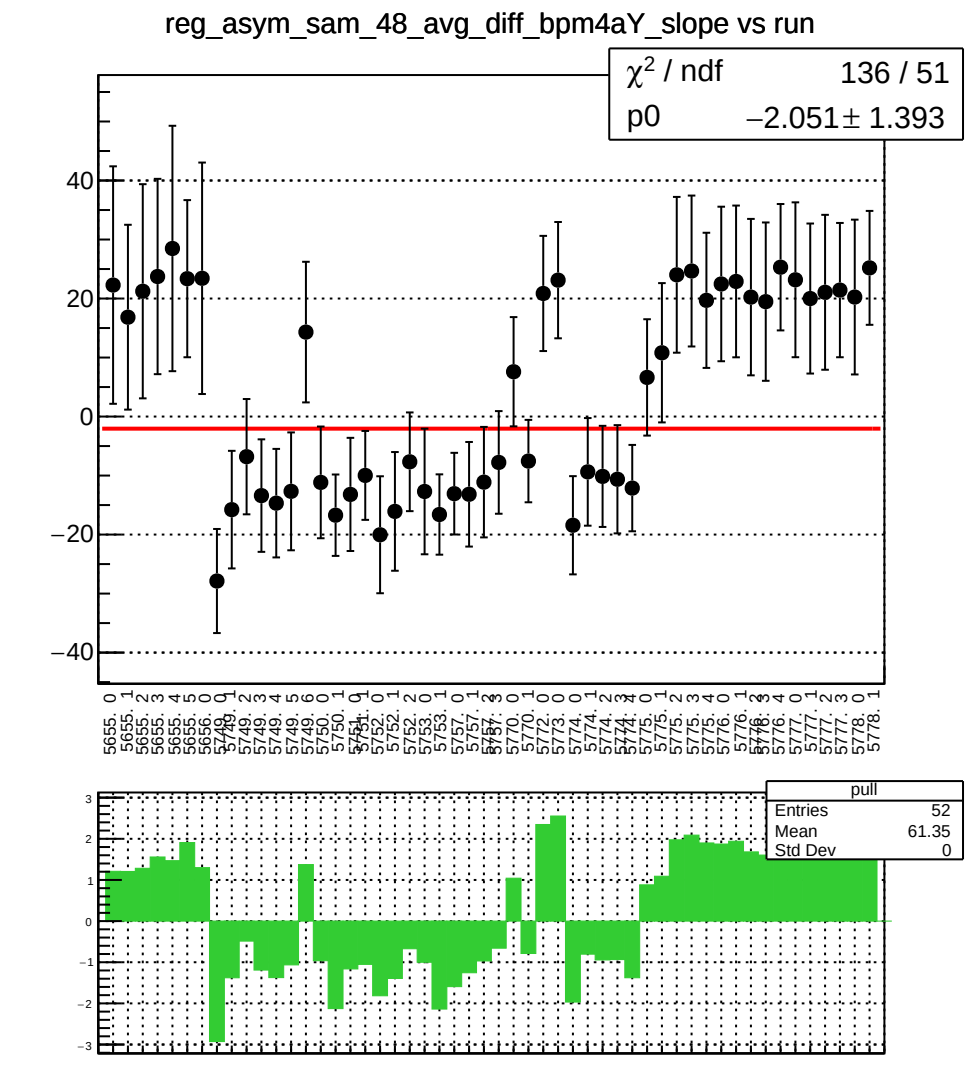

pull1D
Entries 52
Mean −0.008097
Std Dev 0.365

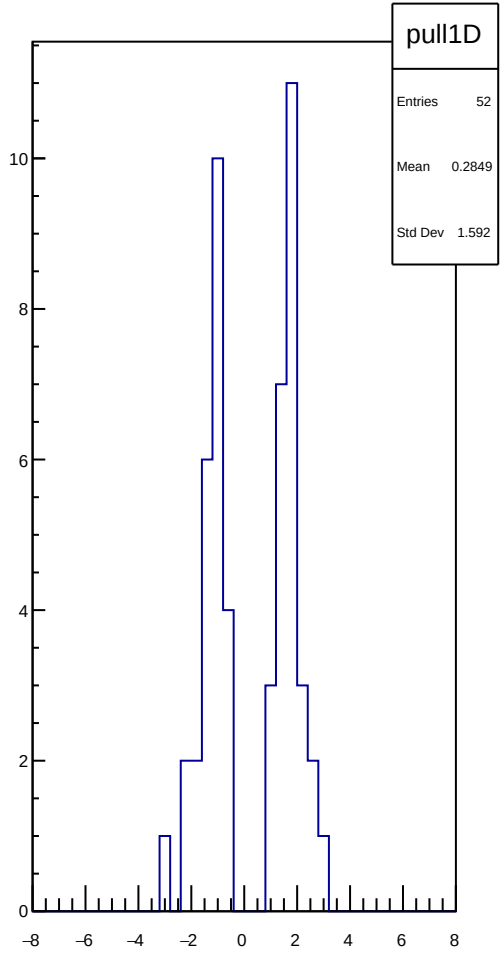

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 78.78 / 51
p0 −82.34 ± 4.528
pull
Entries 52
Mean 40.59
Std Dev 31.51

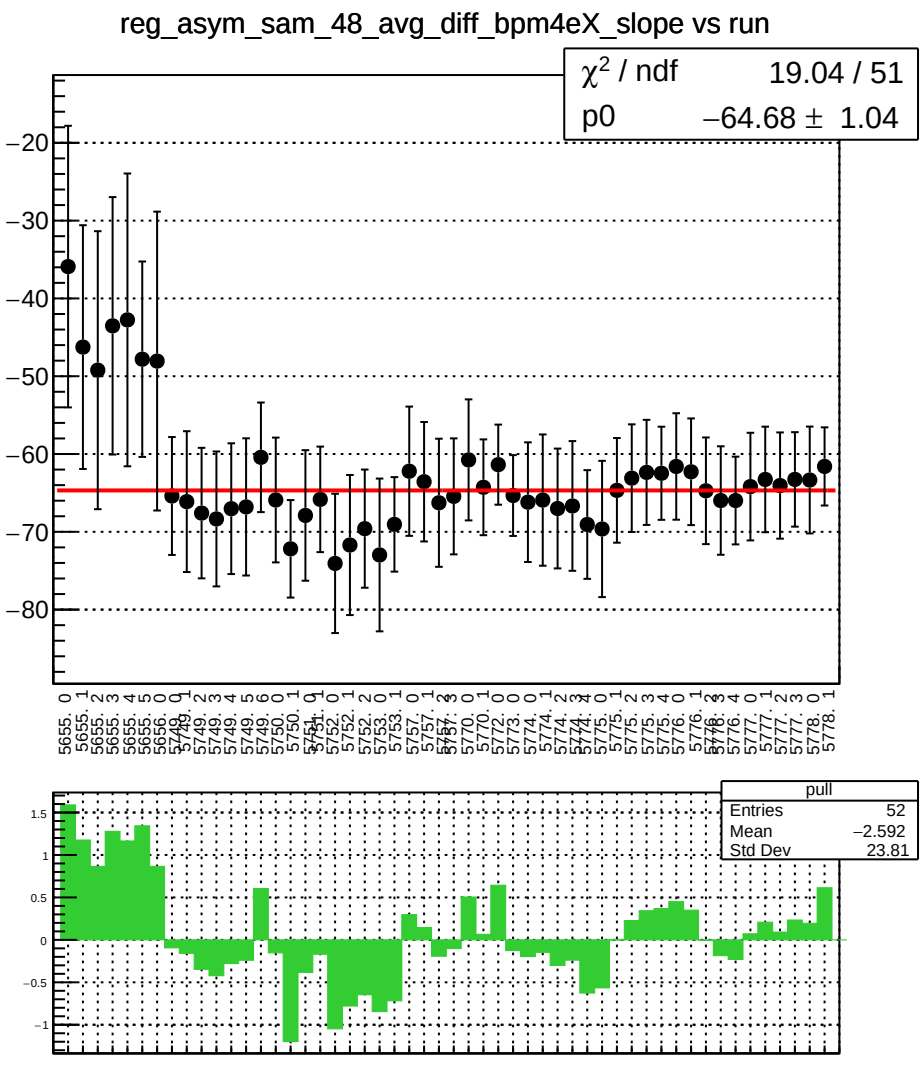

pull1D
Entries 52
Mean 0.1847
Std Dev 1.217

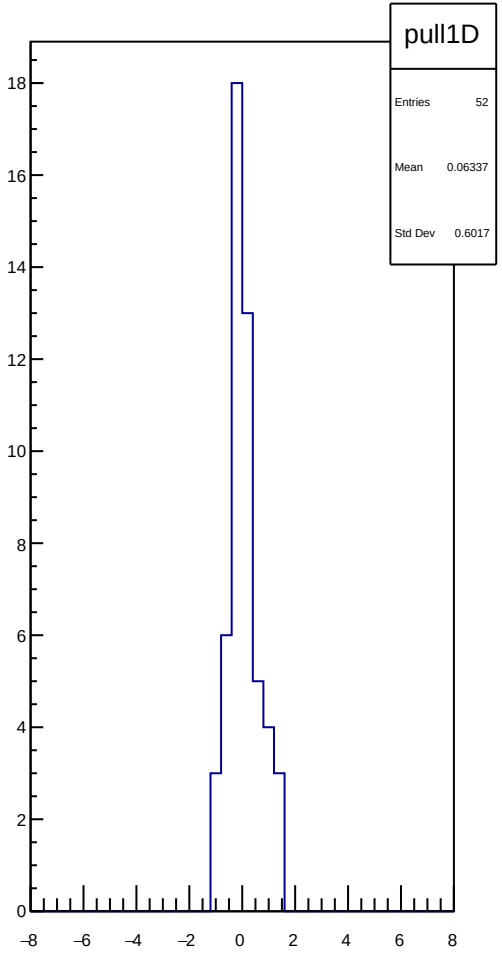

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 9.445 / 51
p0 0.9288 ± 0.2358
pull
Entries 52
Mean 149.1
Std Dev 0
pull1D
Entries 52
Mean 0.03256
Std Dev 0.425

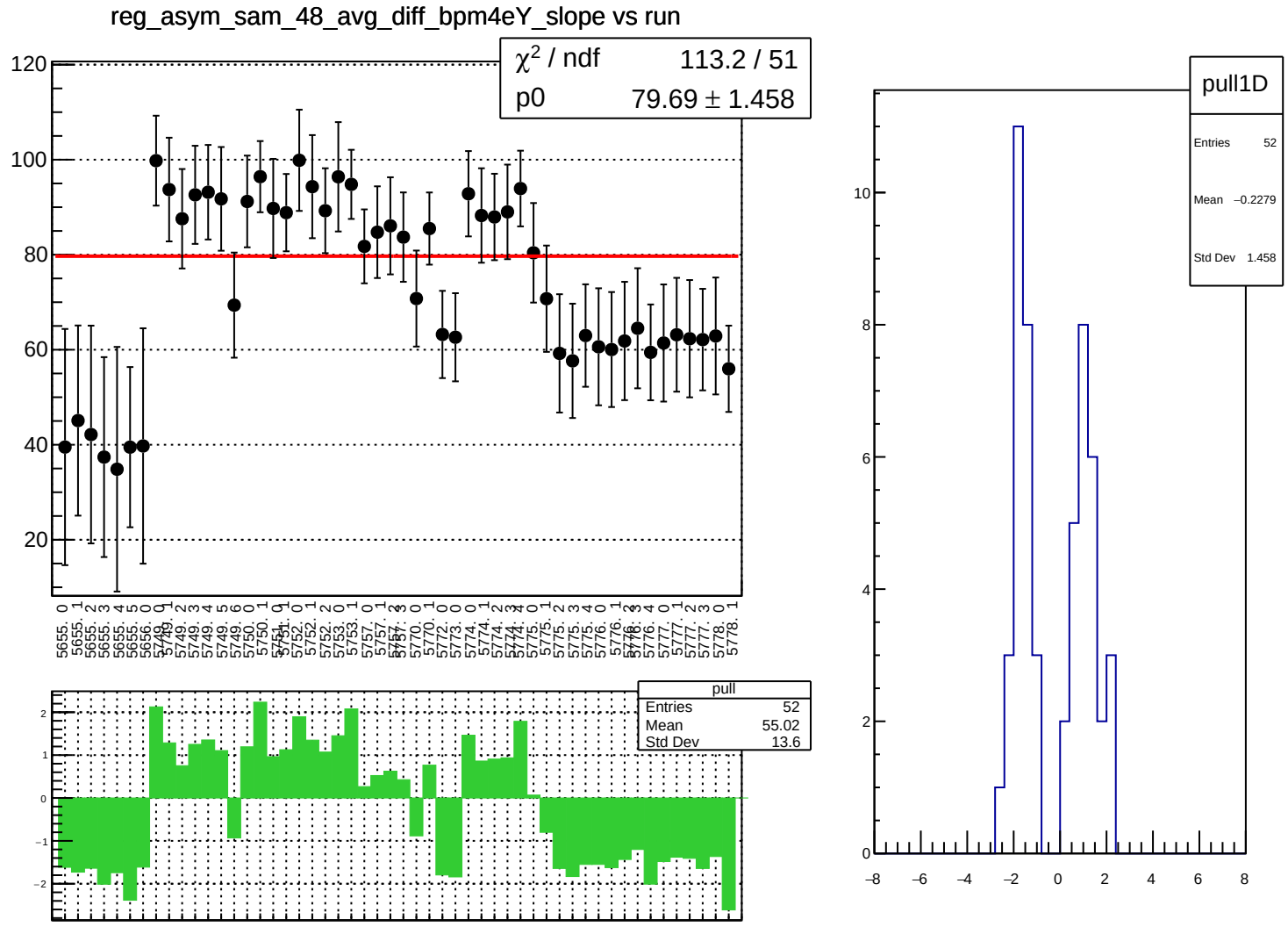

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 25.71 / 51
p0 1.493 ± 0.6724
pull
Entries 52
Mean 4.896
Std Dev 23.08
pull1D
Entries 52
Mean −0.1174
Std Dev 0.6933

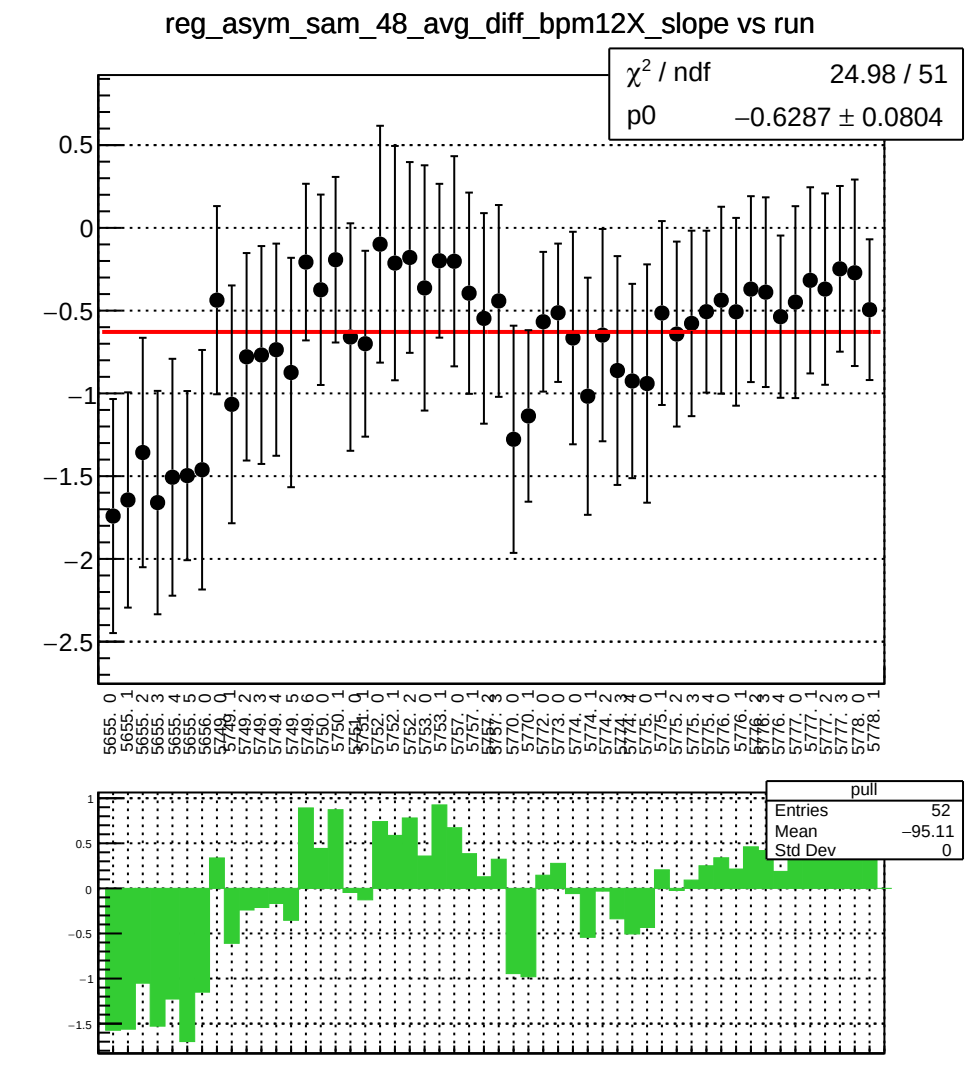

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 136 / 51
p0 −2.051± 1.393
pull
Entries 52
Mean 61.35
Std Dev 0

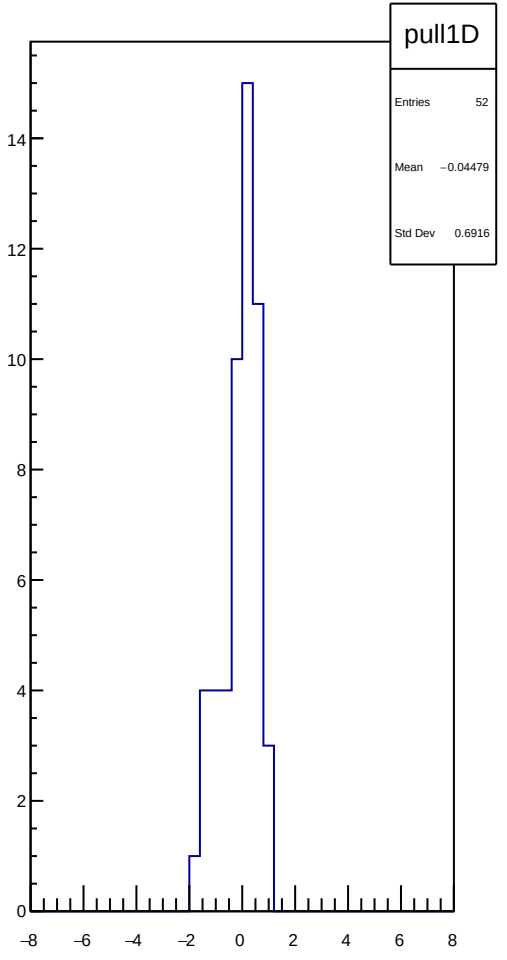

pull1D
Entries 52
Mean 0.2849
Std Dev 1.592

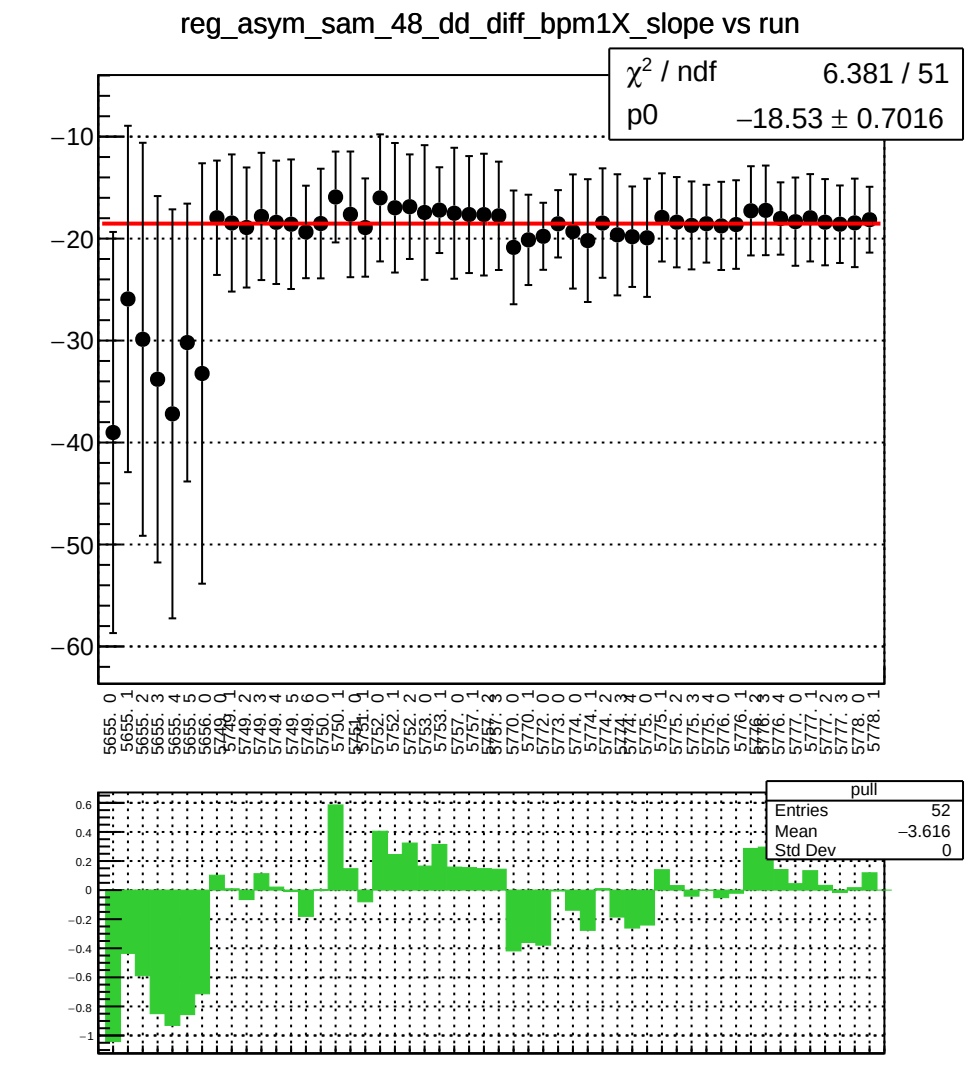

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 19.04 / 51
p0 −64.68 ± 1.04
pull
Entries 52
Mean −2.592
Std Dev 23.81

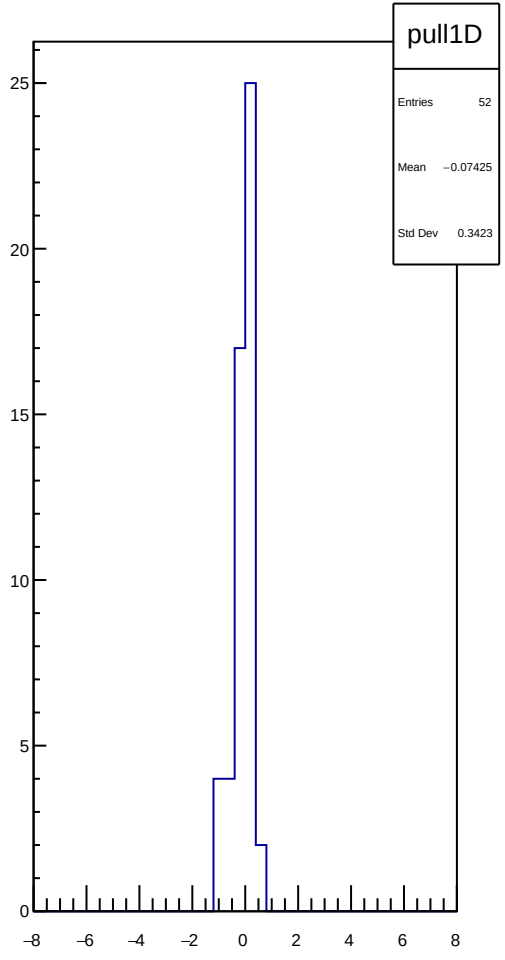

pull1D
Entries 52
Mean 0.06337
Std Dev 0.6017

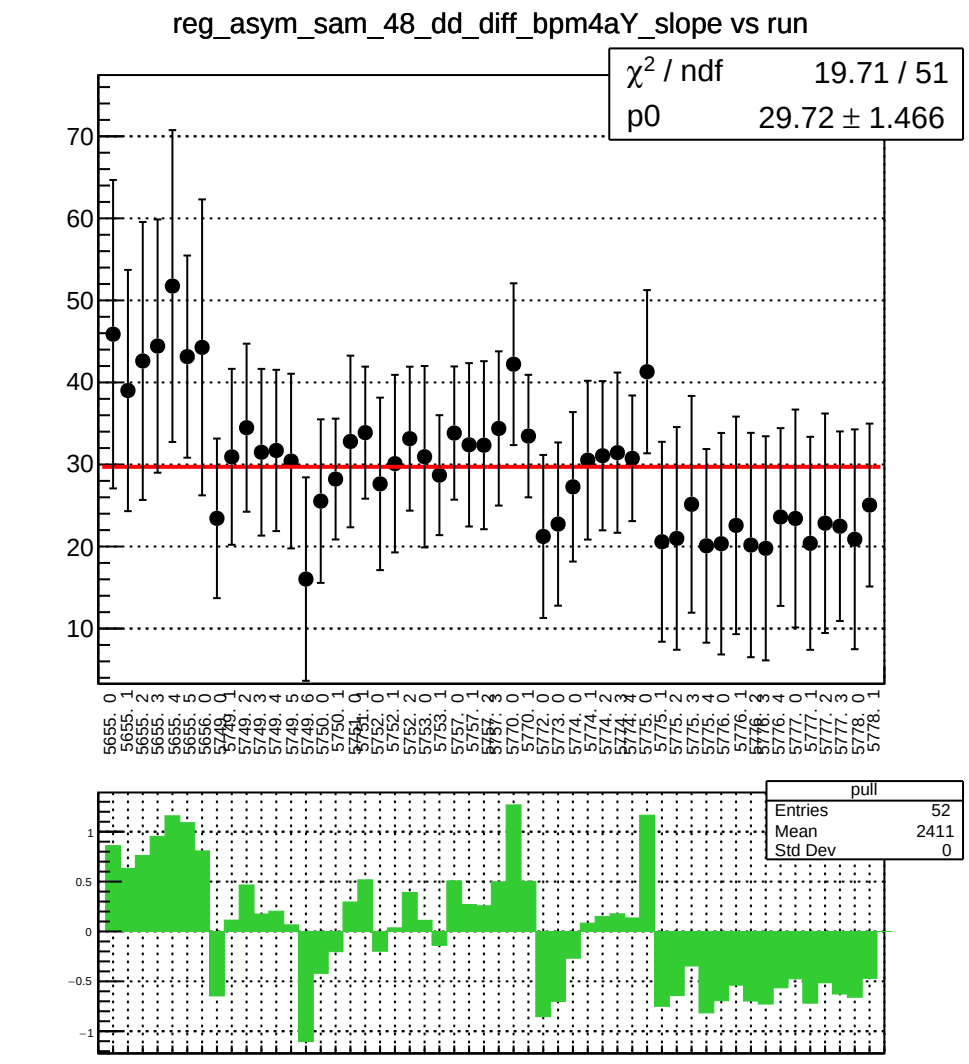

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 113.2 / 51
p0 79.69 ± 1.458
pull
Entries 52
Mean 55.02
Std Dev 13.6
pull1D
Entries 52
Mean −0.2279
Std Dev 1.458

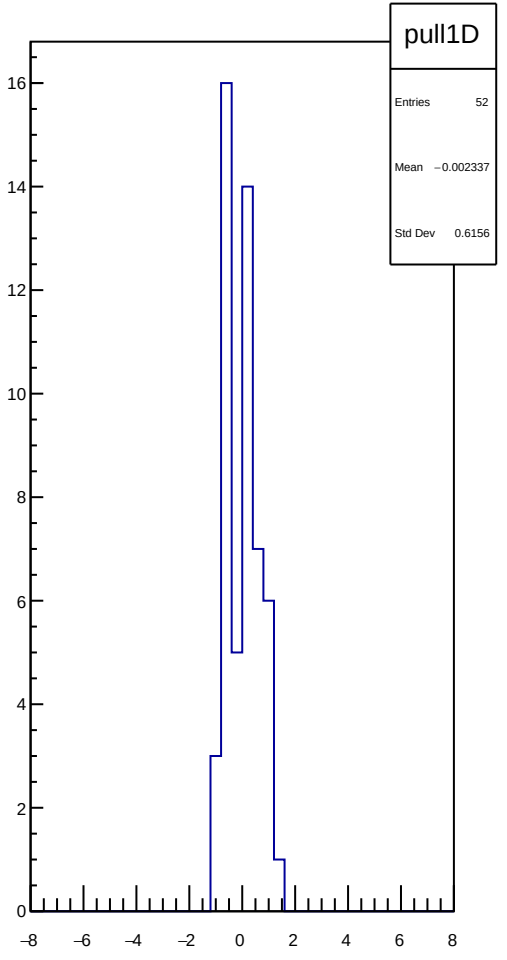

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 24.98 / 51
p0 −0.6287 ± 0.0804
pull
Entries 52
Mean −95.11
Std Dev 0

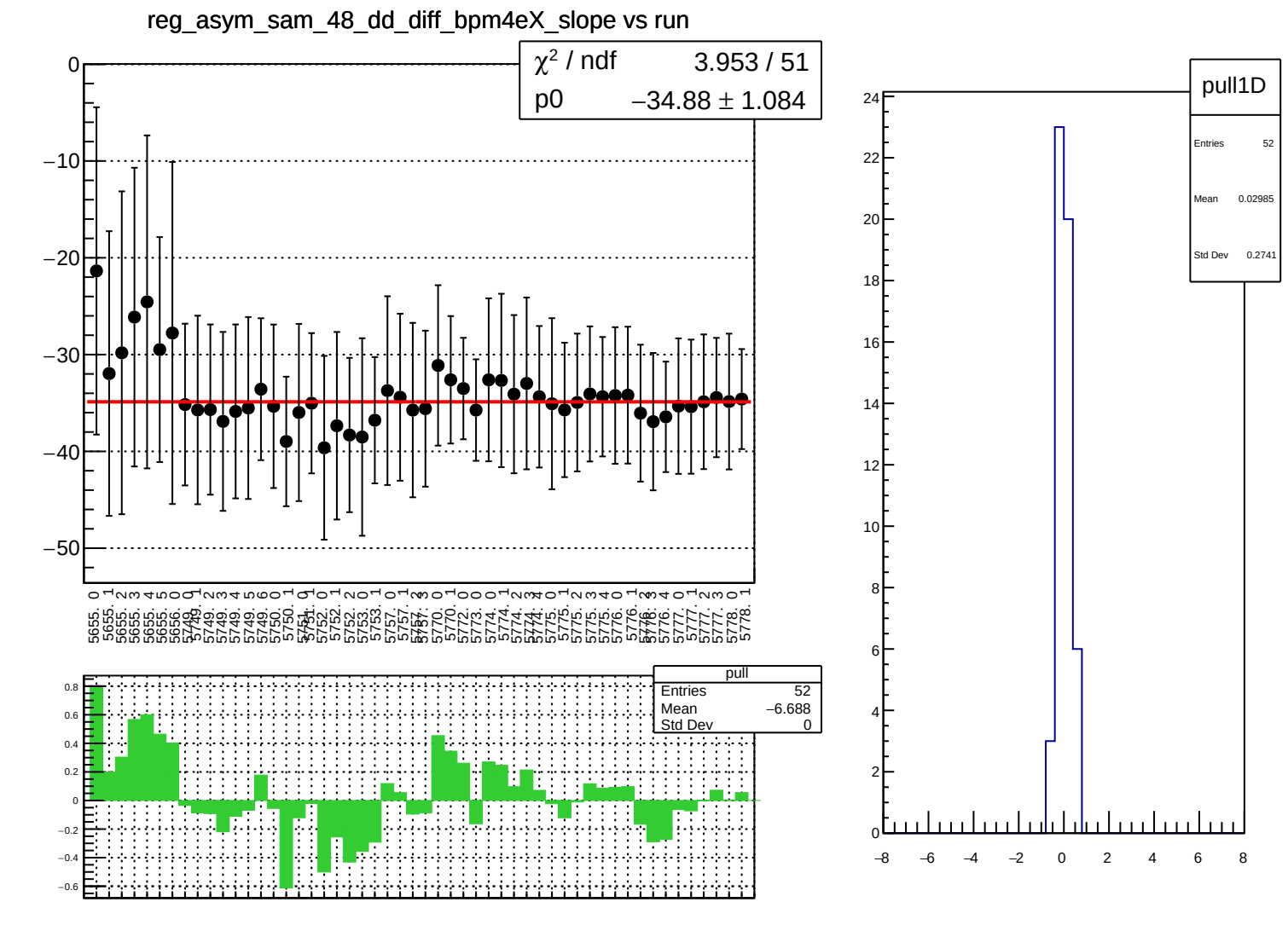

pull1D
Entries 52
Mean −0.04479
Std Dev 0.6916

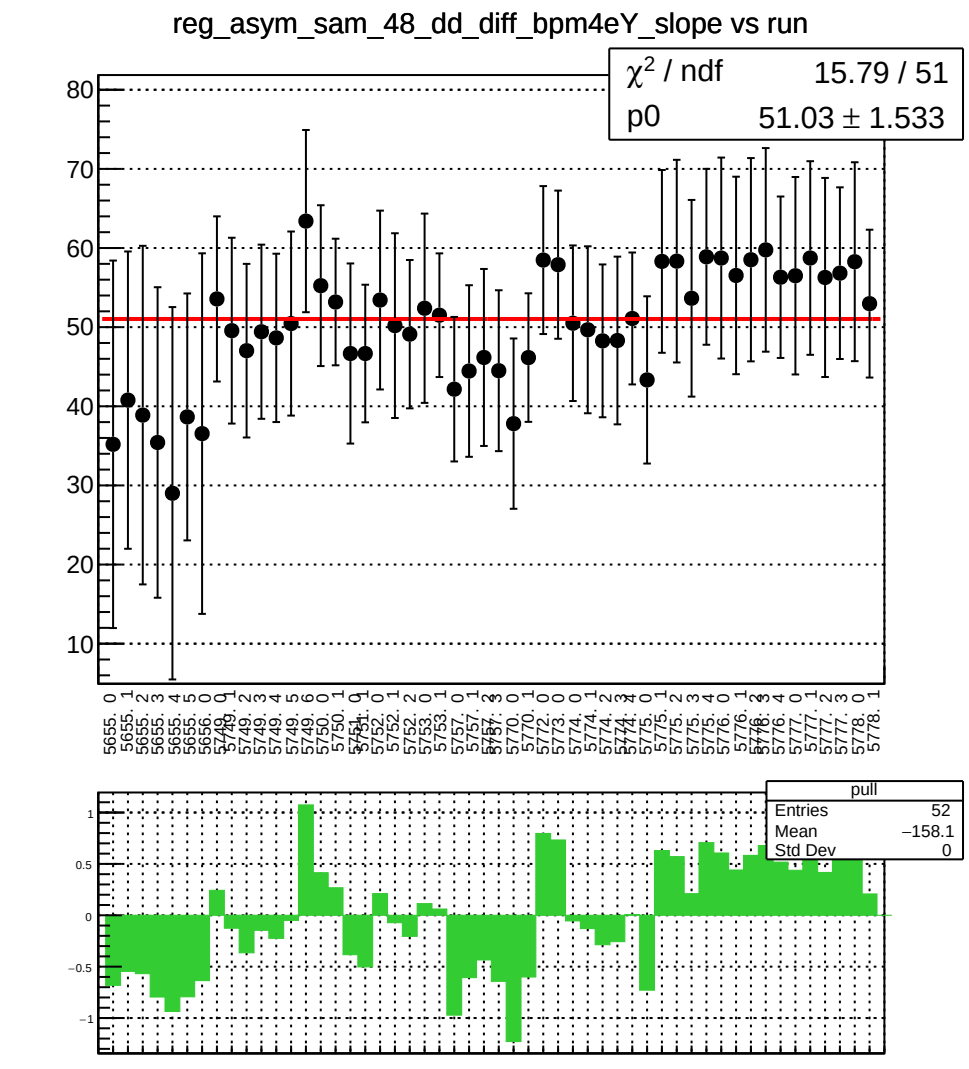

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 6.381 / 51
p0 −18.53 ± 0.7016
pull
Entries 52
Mean −3.616
Std Dev 0

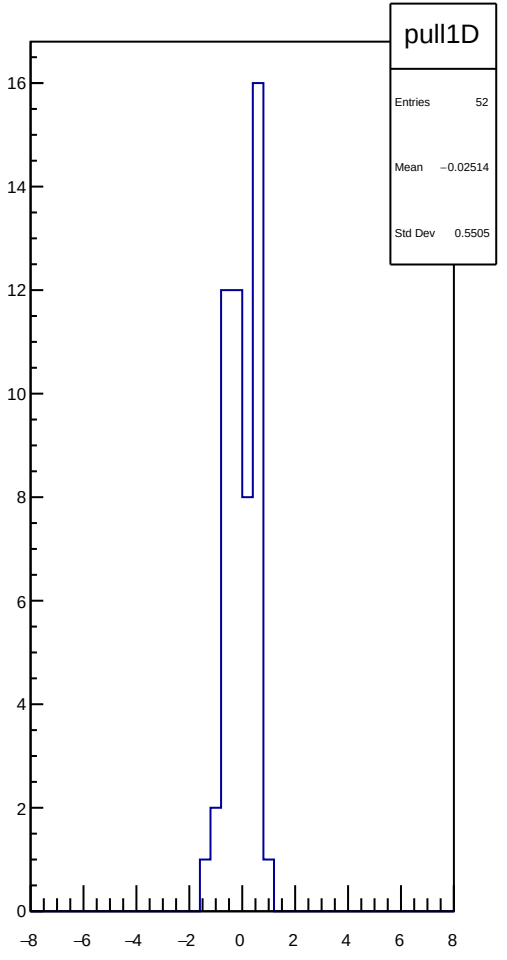

pull1D
Entries 52
Mean −0.07425
Std Dev 0.3423

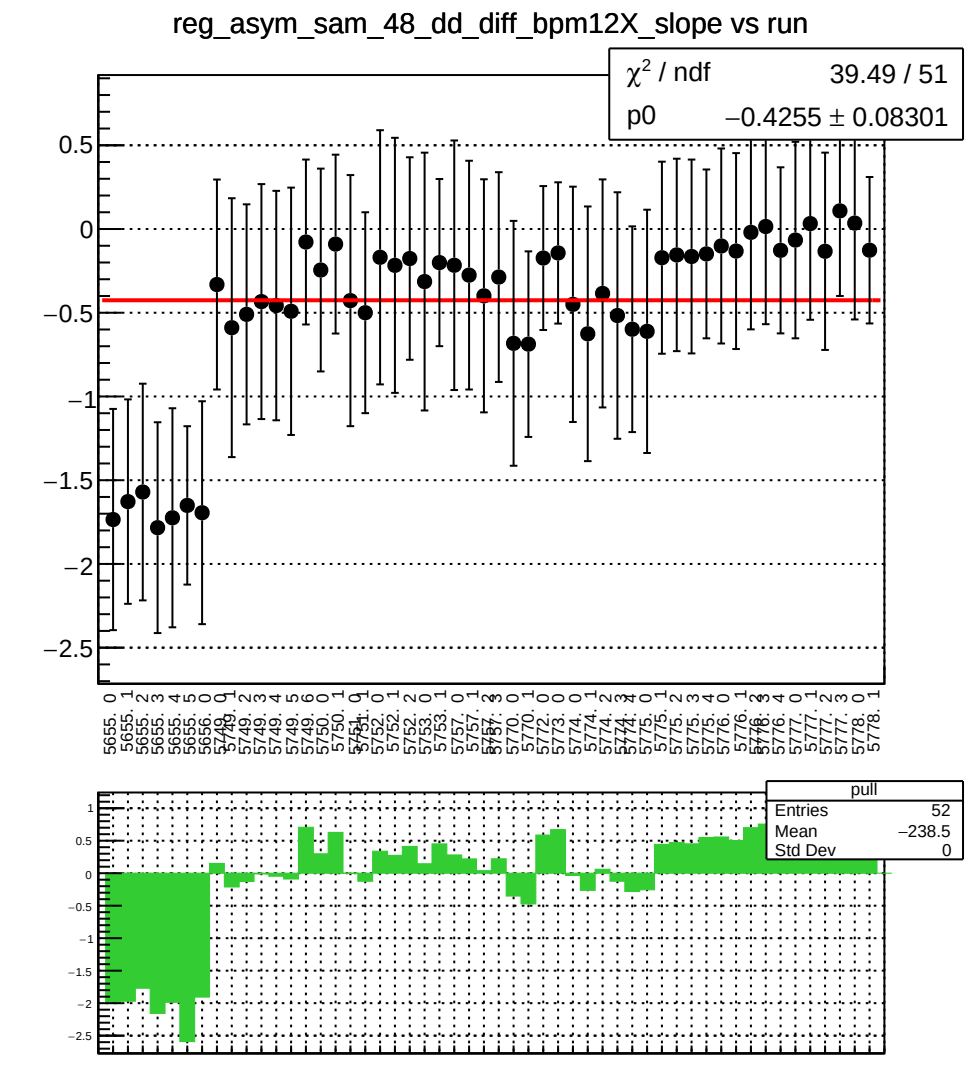

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.71 / 51
p0 29.72 ± 1.466
pull
Entries 52
Mean 2411
Std Dev 0

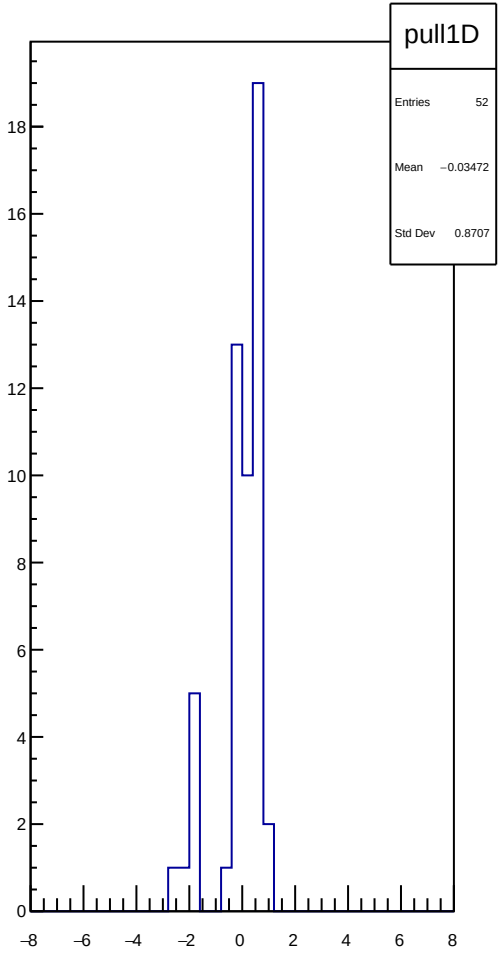

pull1D
Entries 52
Mean −0.002337
Std Dev 0.6156

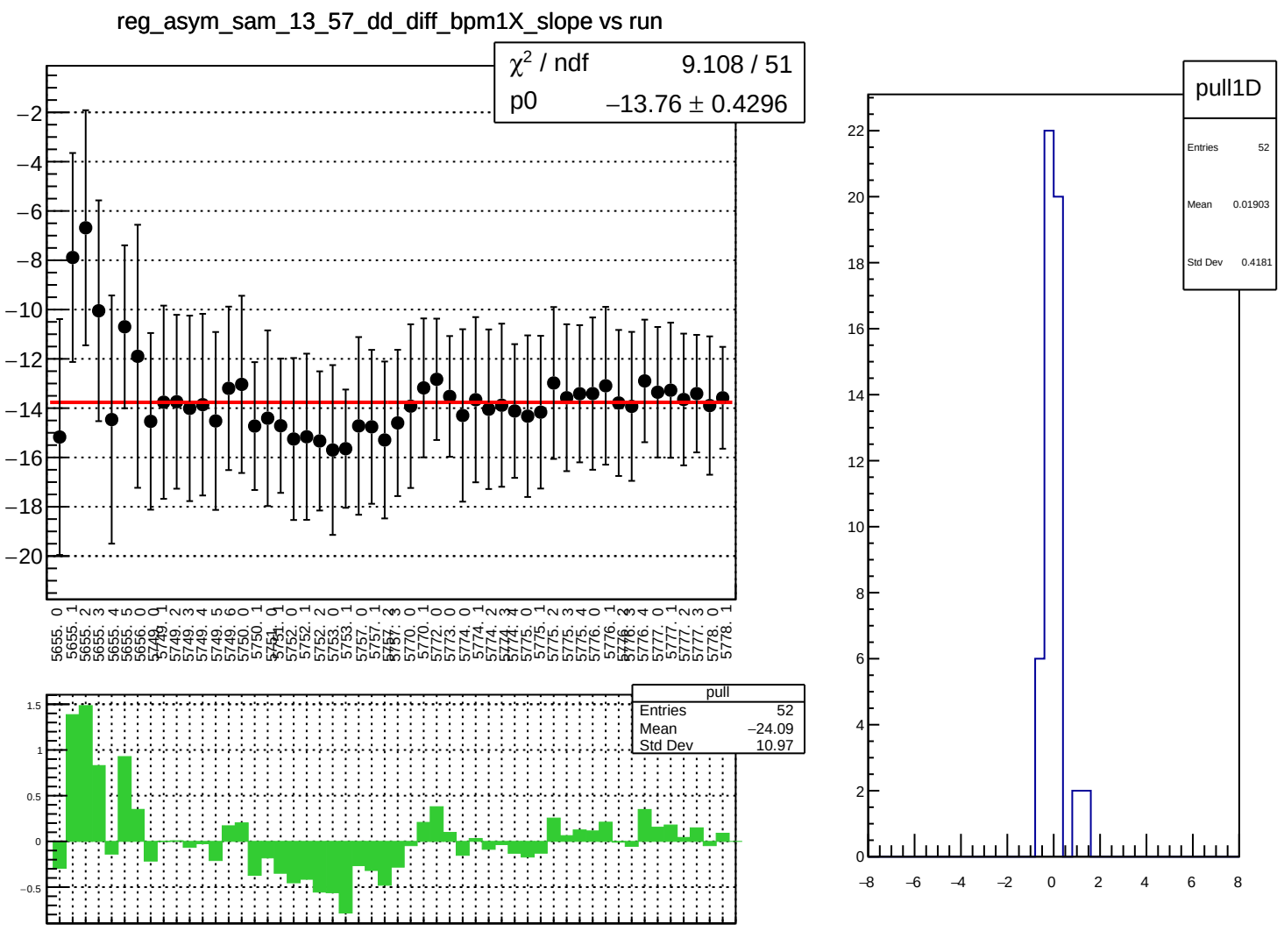

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.953 / 51
p0 −34.88 ± 1.084
pull
Entries 52
Mean −6.688
Std Dev 0
pull1D
Entries 52
Mean 0.02985
Std Dev 0.2741

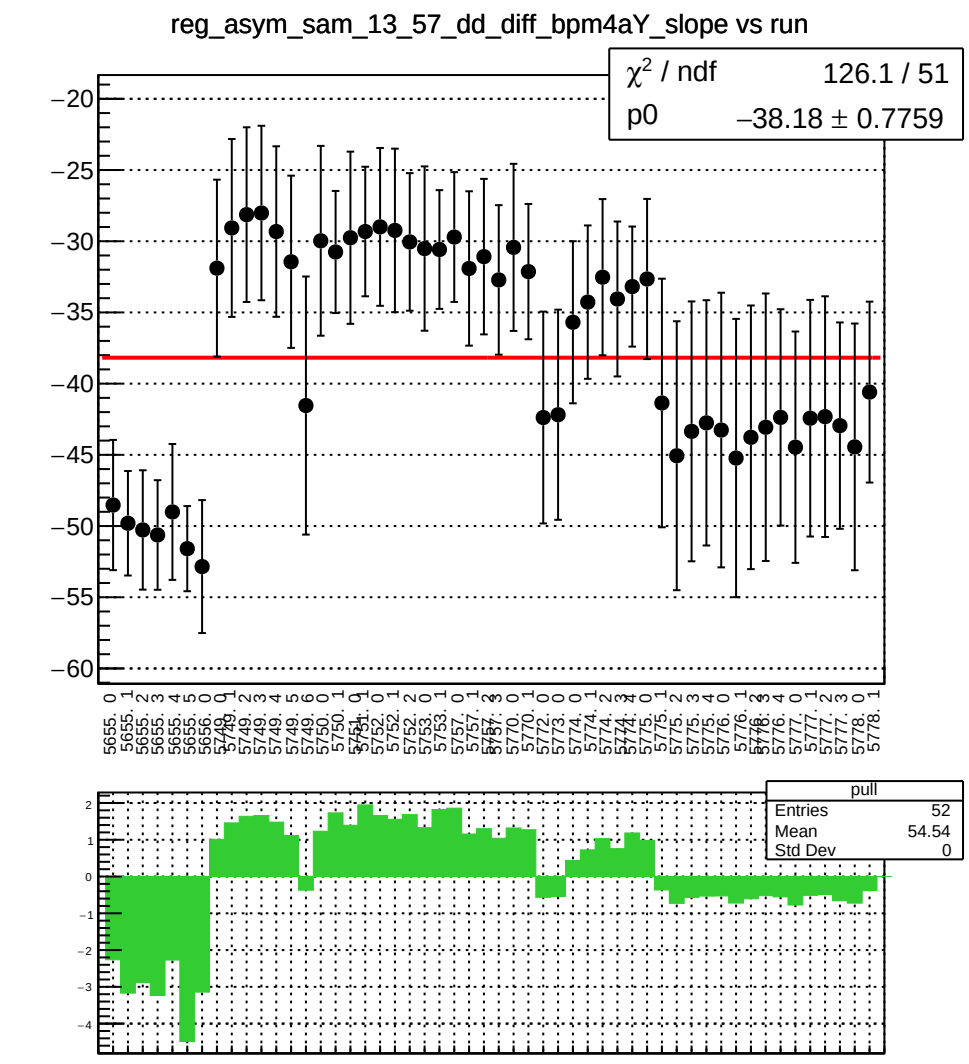

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.79 / 51
p0 51.03 ± 1.533
pull
Entries 52
Mean −158.1
Std Dev 0

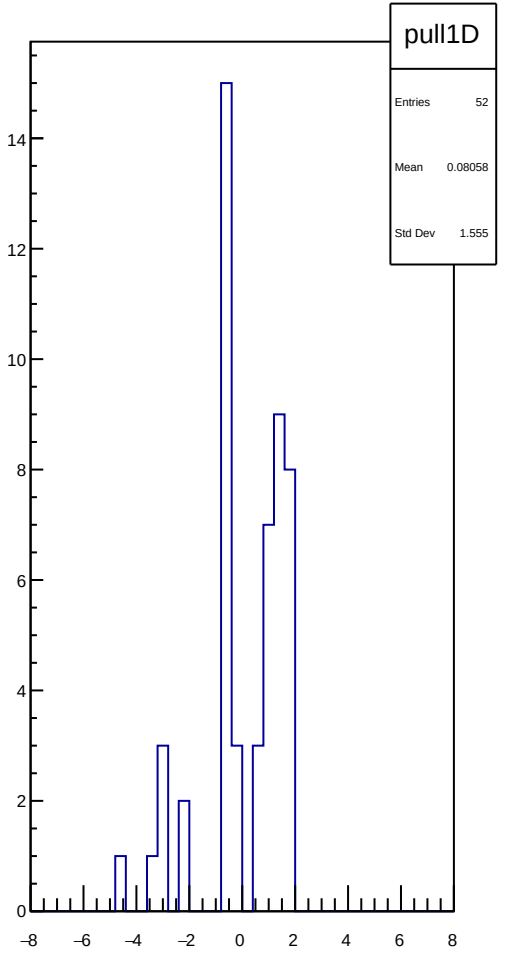

pull1D
Entries 52
Mean −0.02514
Std Dev 0.5505

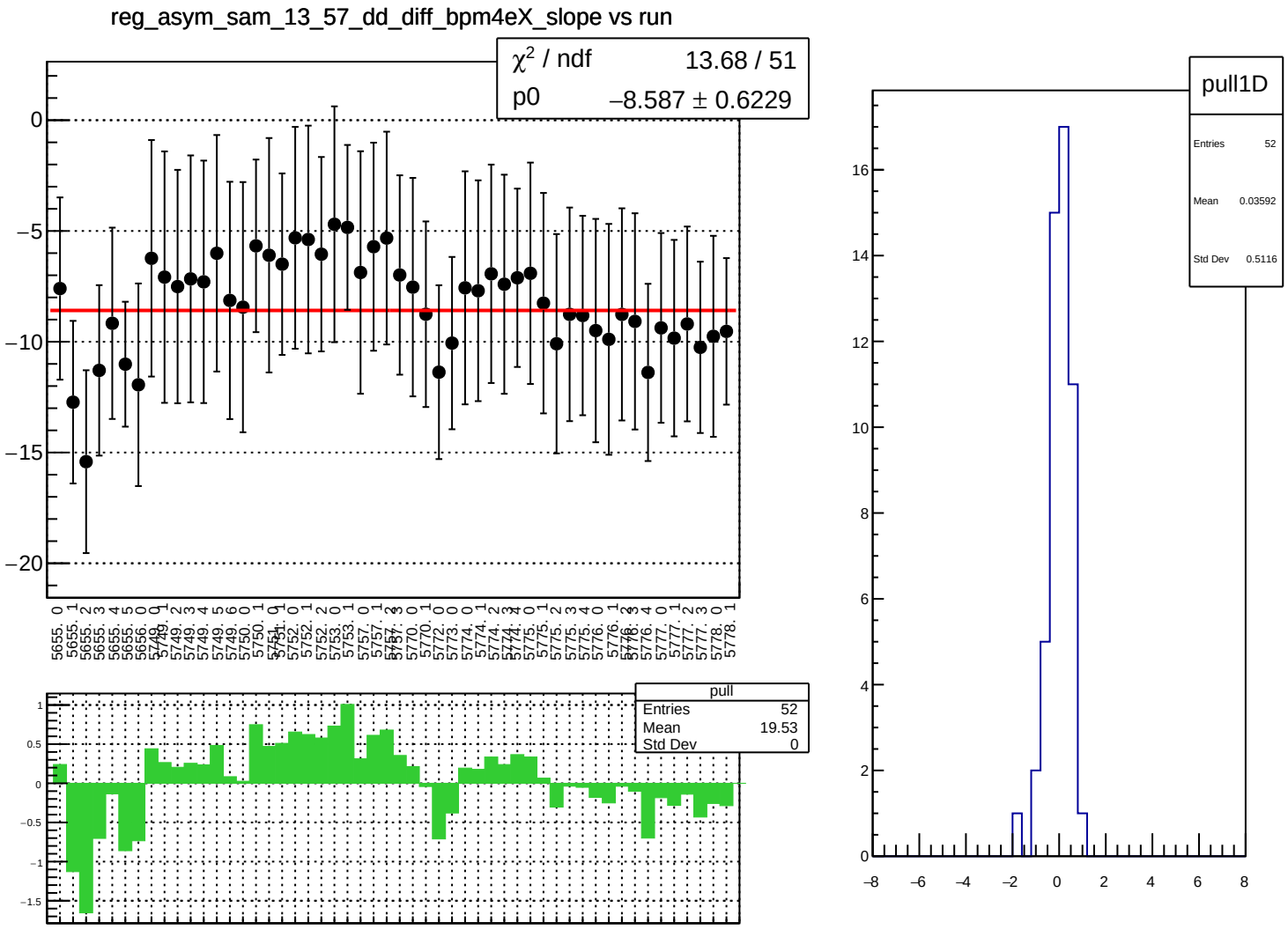

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 39.49 / 51
p0 −0.4255 ± 0.08301
pull
Entries 52
Mean −238.5
Std Dev 0

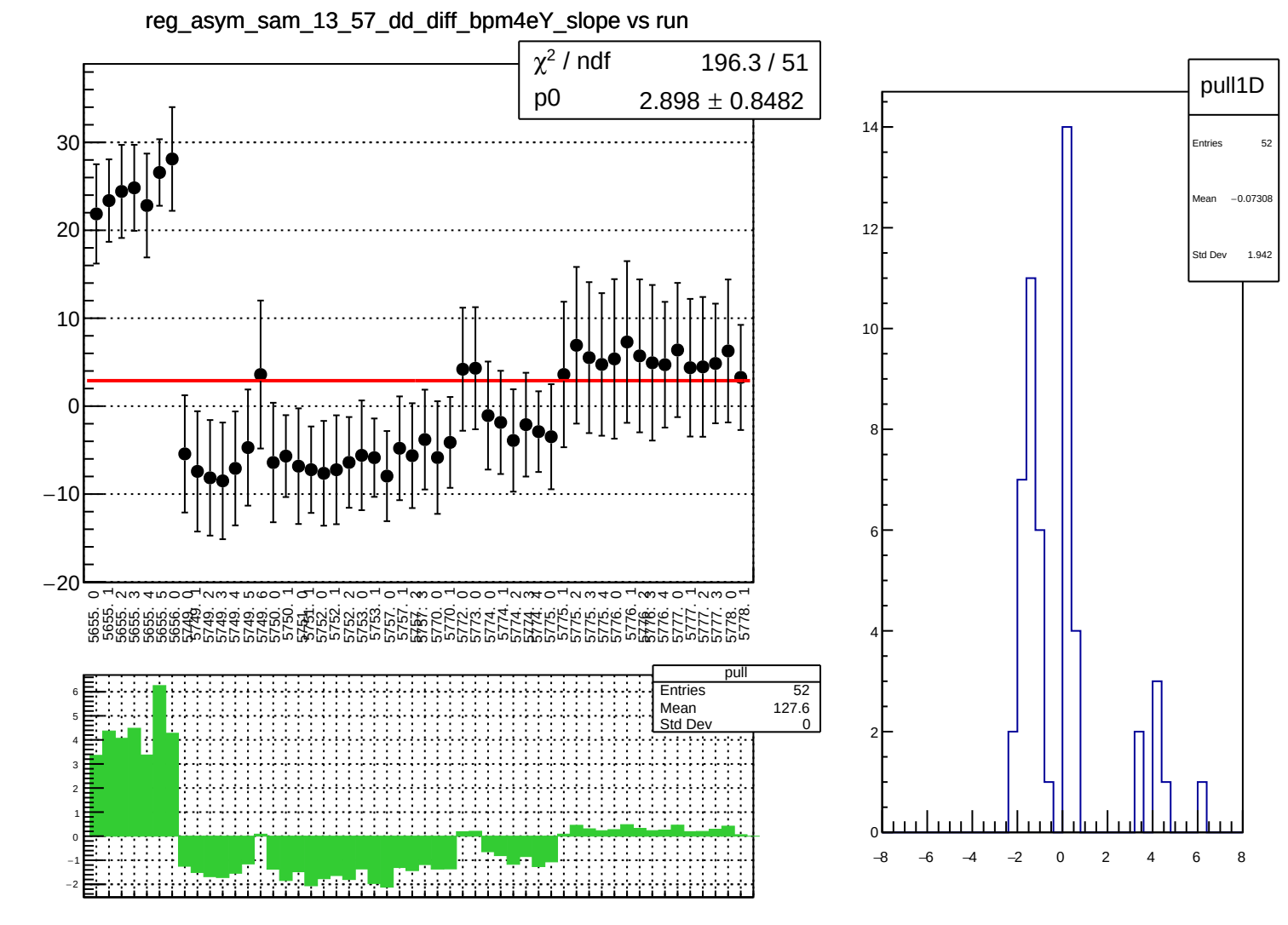

pull1D
Entries 52
Mean −0.03472
Std Dev 0.8707

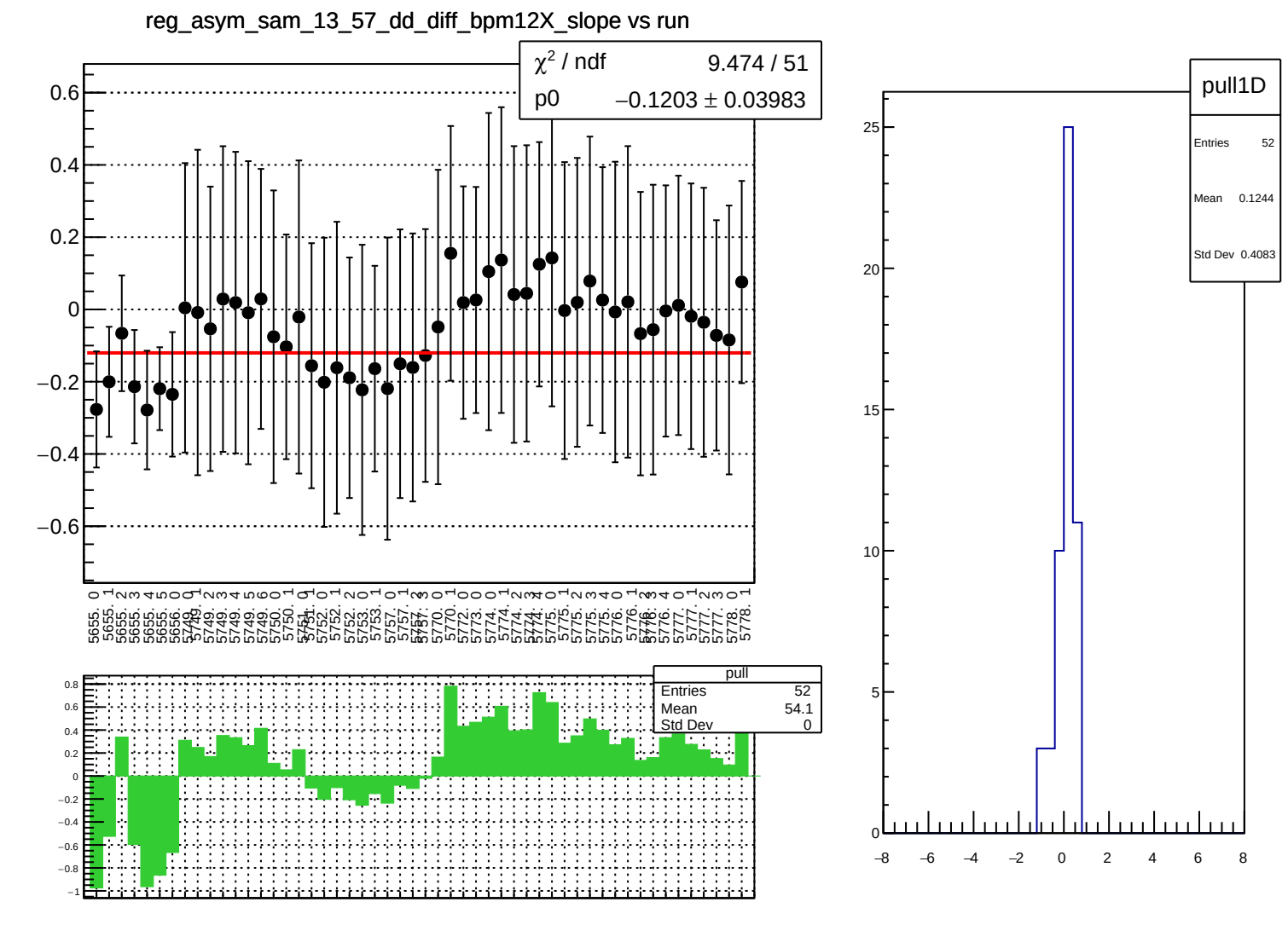

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 9.108 / 51
p0 −13.76 ± 0.4296
pull
Entries 52
Mean −24.09
Std Dev 10.97
pull1D
Entries 52
Mean 0.01903
Std Dev 0.4181

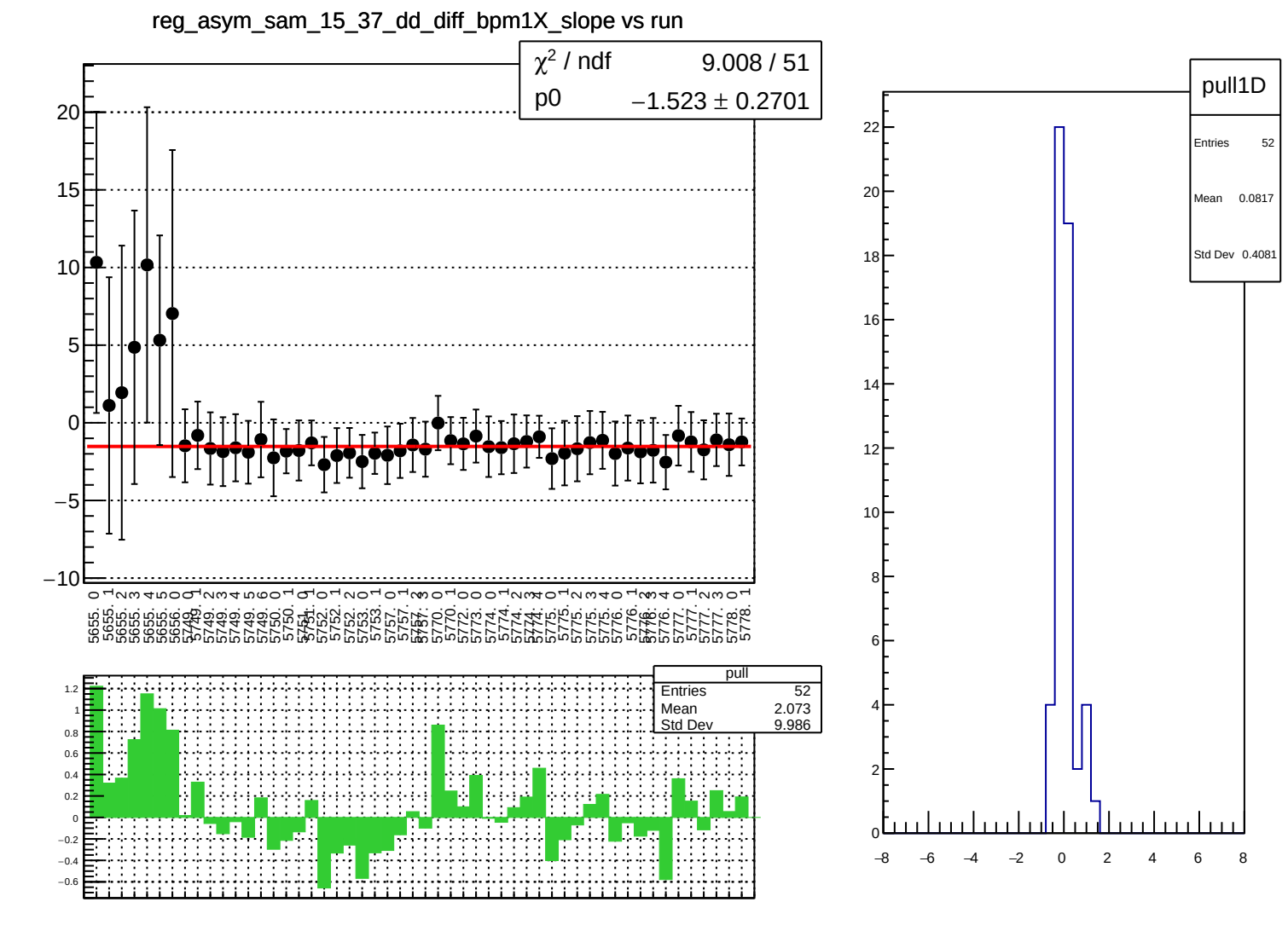

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 126.1 / 51
p0 −38.18 ± 0.7759
pull
Entries 52
Mean 54.54
Std Dev 0

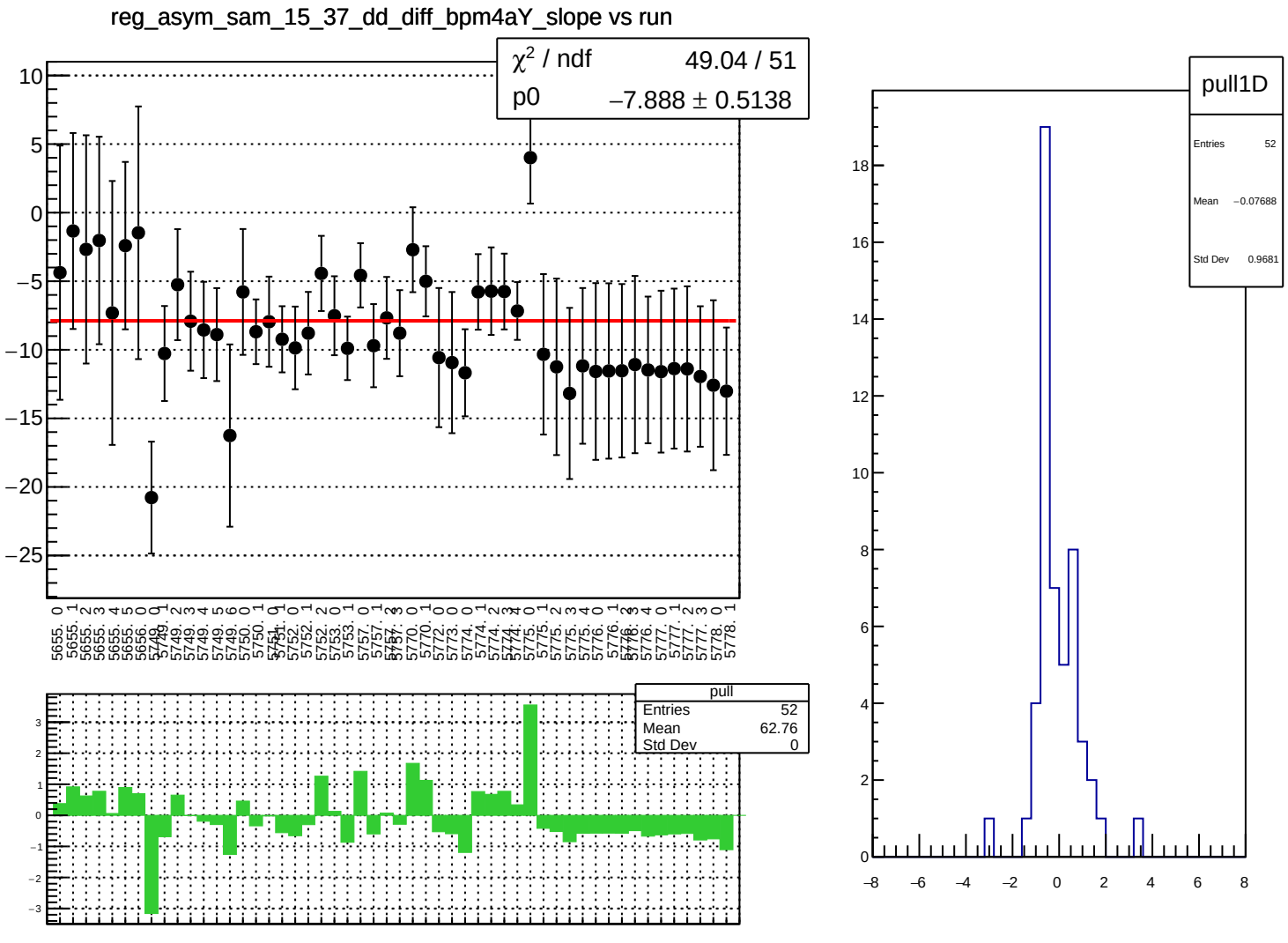

pull1D
Entries 52
Mean 0.08058
Std Dev 1.555

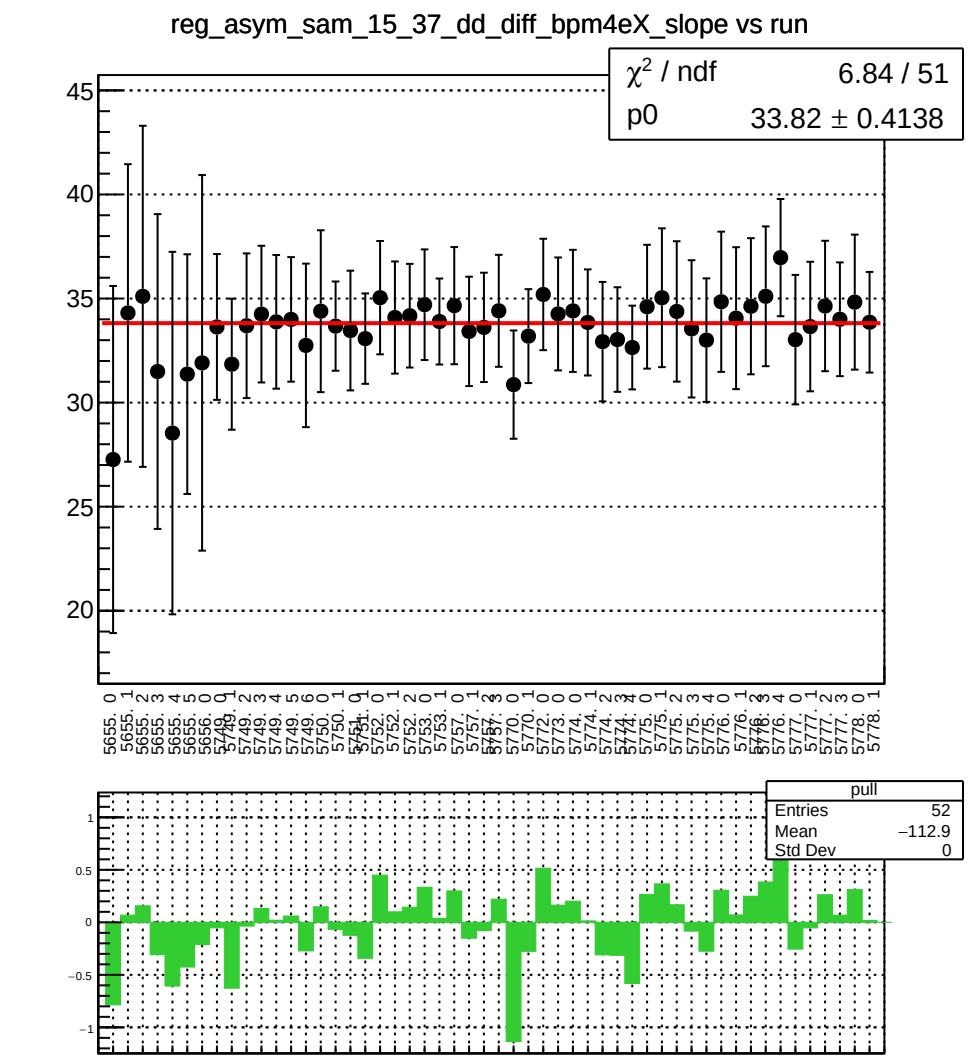

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.68 / 51
p0 −8.587 ± 0.6229
pull
Entries 52
Mean 19.53
Std Dev 0
pull1D
Entries 52
Mean 0.03592
Std Dev 0.5116

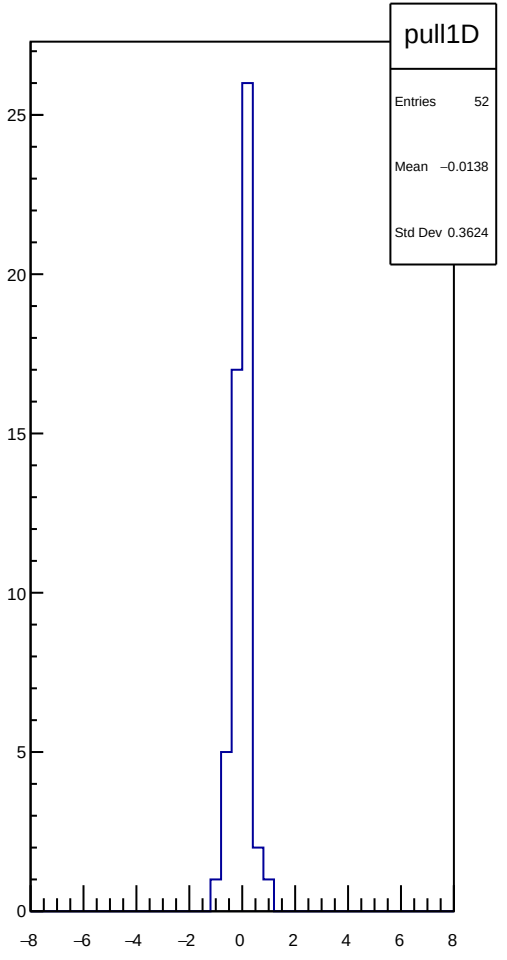

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 196.3 / 51
p0 2.898 ± 0.8482
pull
Entries 52
Mean 127.6
Std Dev 0
pull1D
Entries 52
Mean −0.07308
Std Dev 1.942

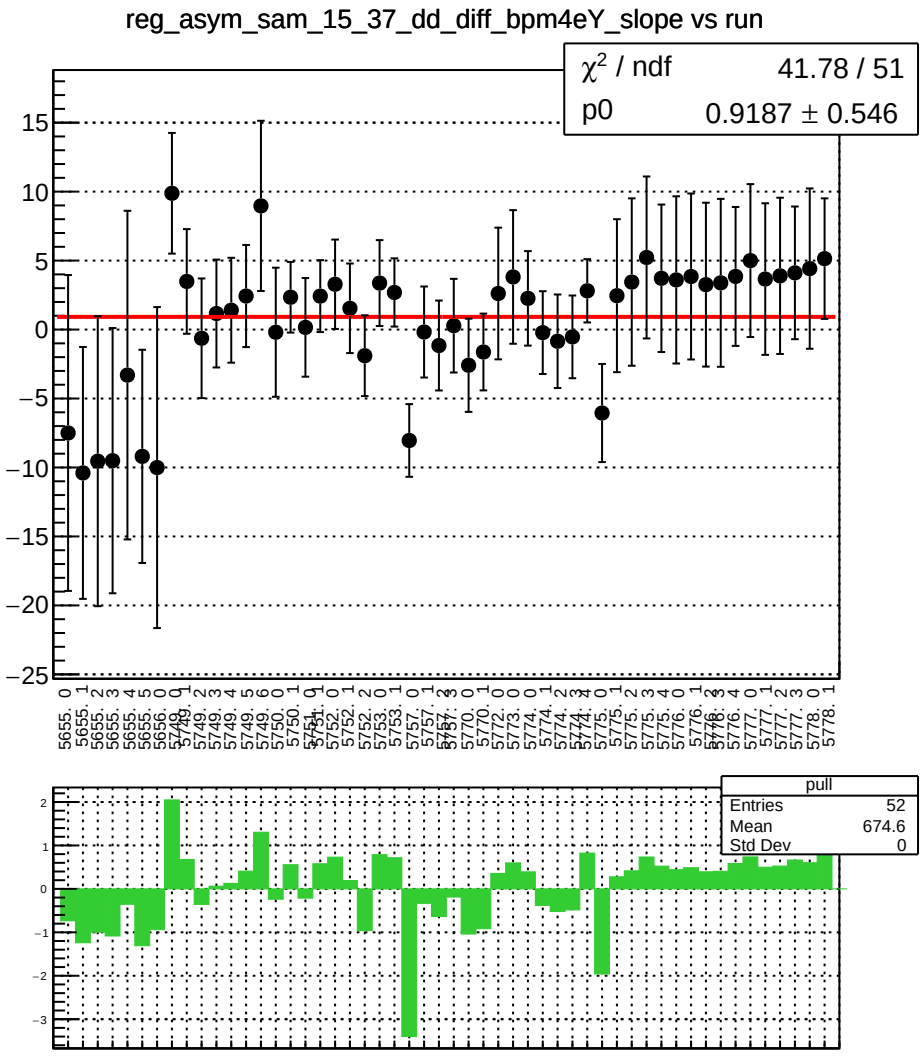

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 9.474 / 51
p0 −0.1203 ± 0.03983
pull
Entries 52
Mean 54.1
Std Dev 0
pull1D
Entries 52
Mean 0.1244
Std Dev 0.4083

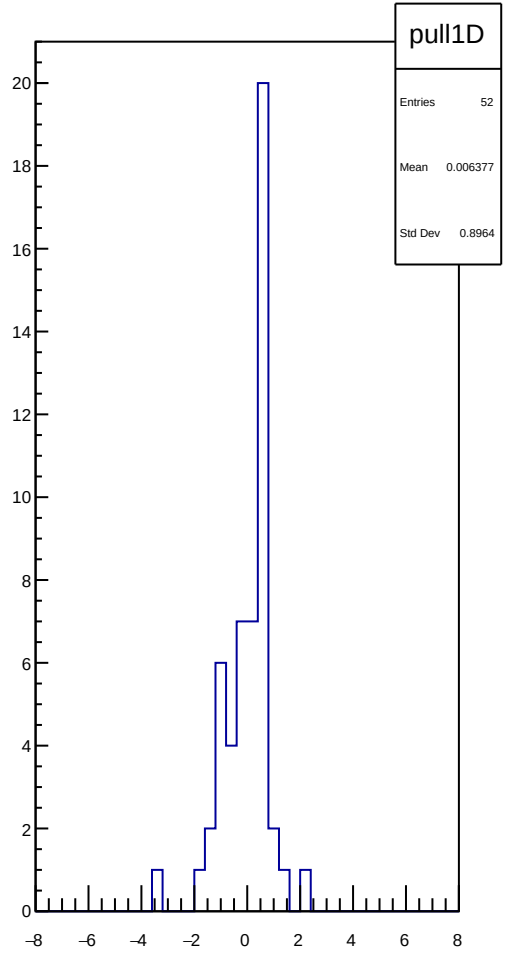

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 9.008 / 51
p0 −1.523 ± 0.2701
pull
Entries 52
Mean 2.073
Std Dev 9.986
pull1D
Entries 52
Mean 0.0817
Std Dev 0.4081

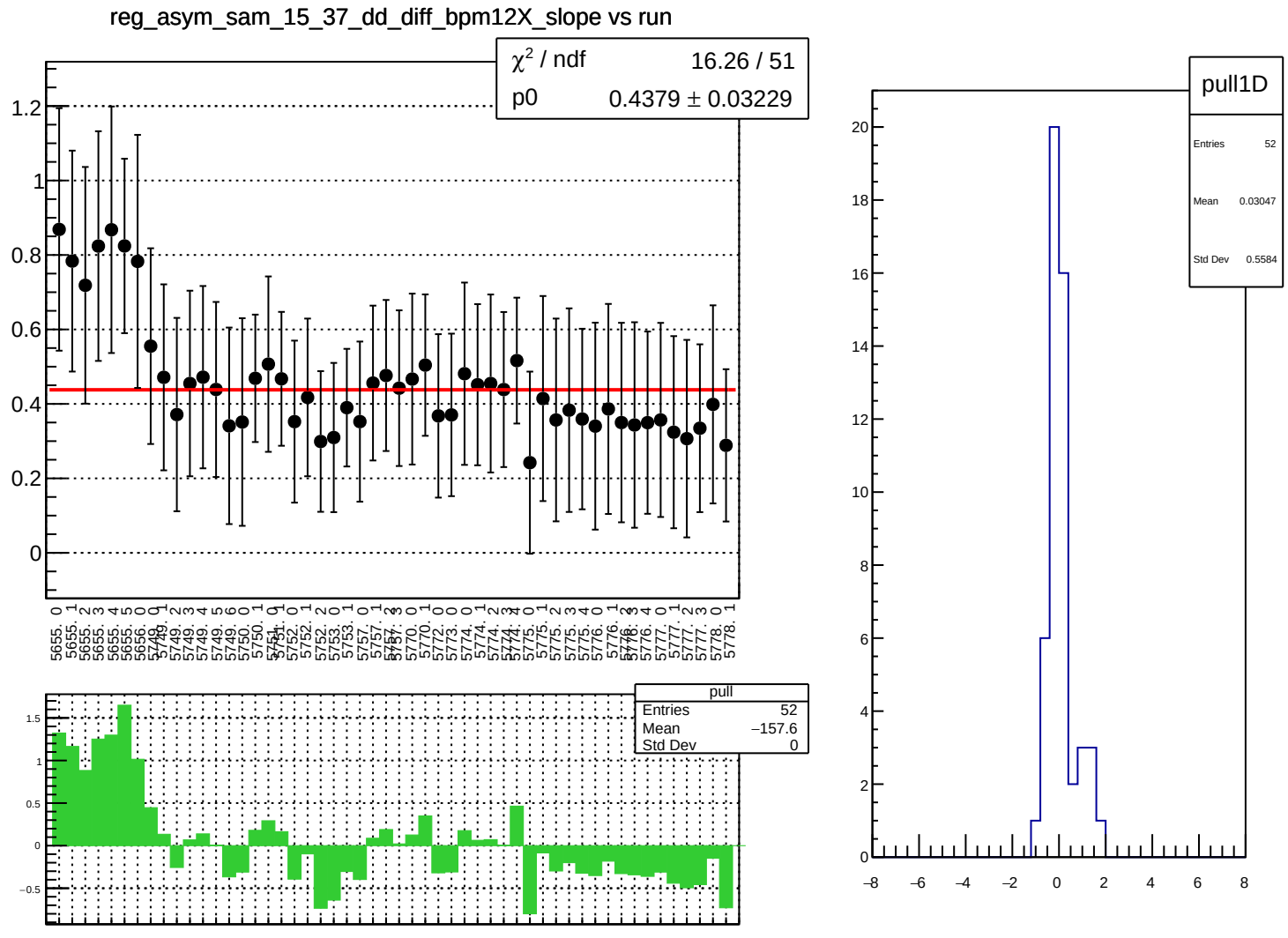

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 49.04 / 51
p0 −7.888 ± 0.5138
pull
Entries 52
Mean 62.76
Std Dev 0
pull1D
Entries 52
Mean −0.07688
Std Dev 0.9681

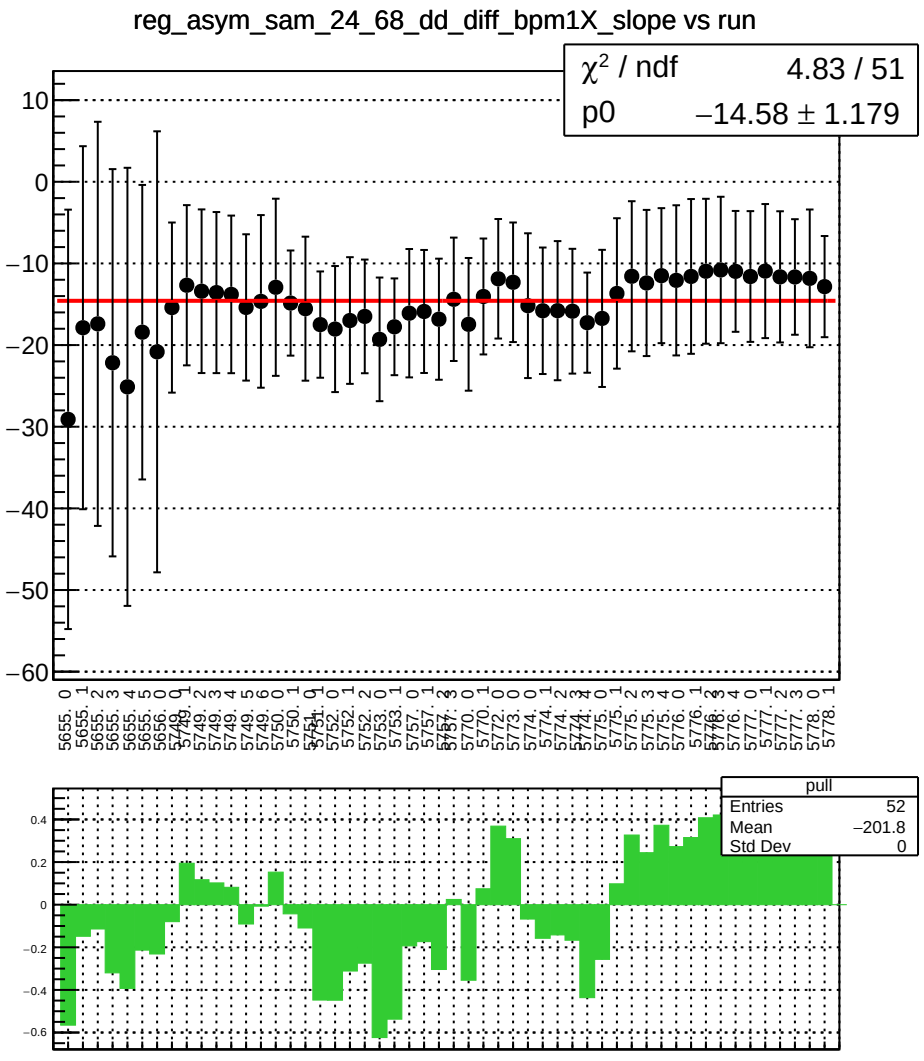

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.84 / 51
p0 33.82 ± 0.4138
pull
Entries 52
Mean −112.9
Std Dev 0

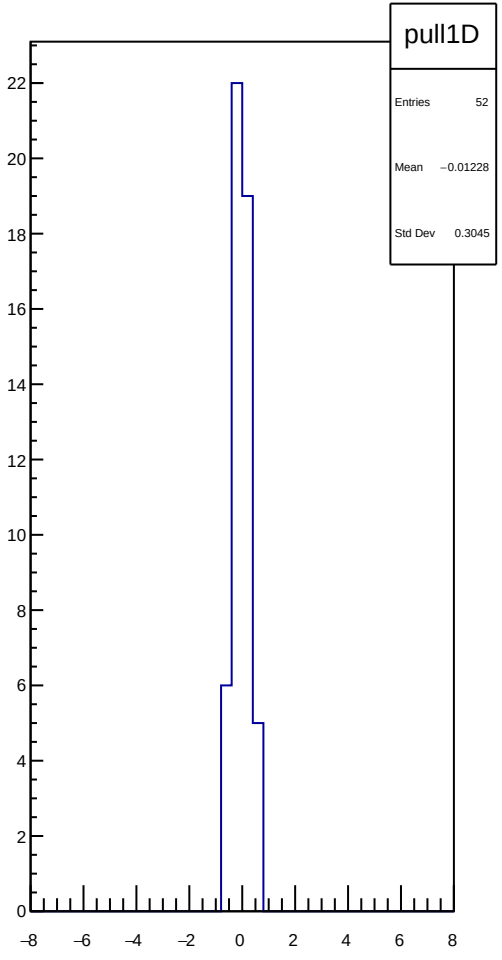

pull1D
Entries 52
Mean −0.0138
Std Dev 0.3624

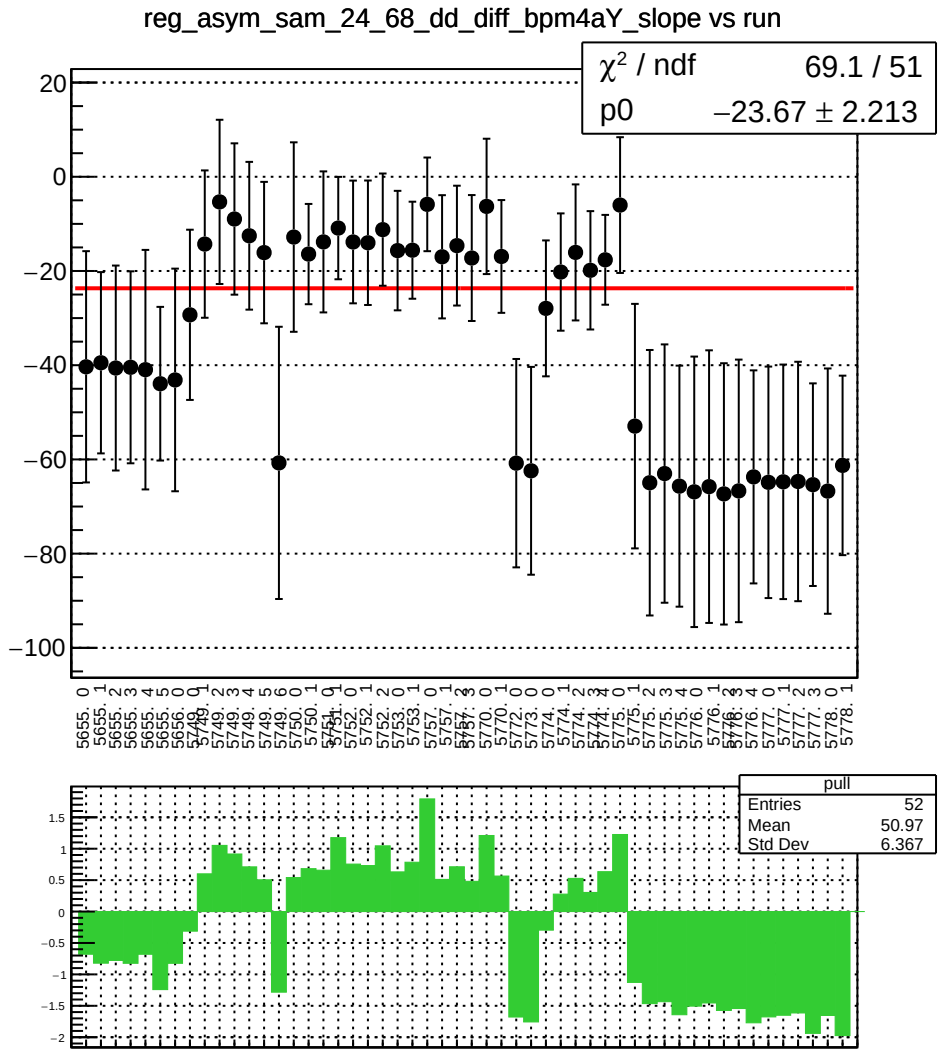

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 41.78 / 51
p0 0.9187 ± 0.546
pull
Entries 52
Mean 674.6
Std Dev 0

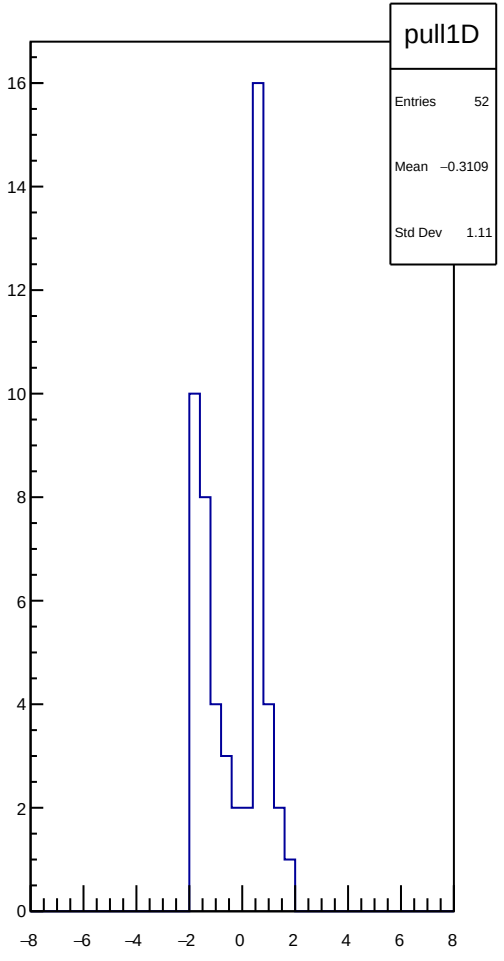

pull1D
Entries 52
Mean 0.006377
Std Dev 0.8964

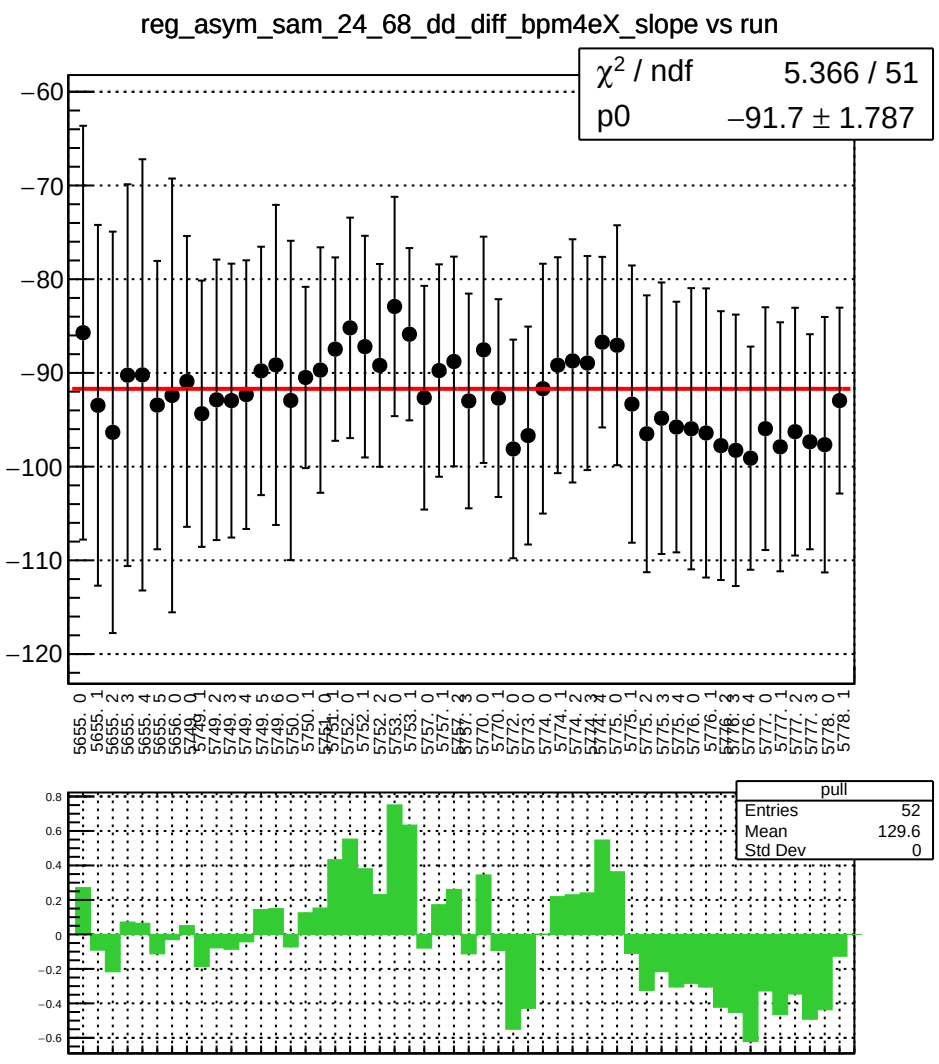

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 16.26 / 51
p0 0.4379 ± 0.03229
pull
Entries 52
Mean −157.6
Std Dev 0
pull1D
Entries 52
Mean 0.03047
Std Dev 0.5584

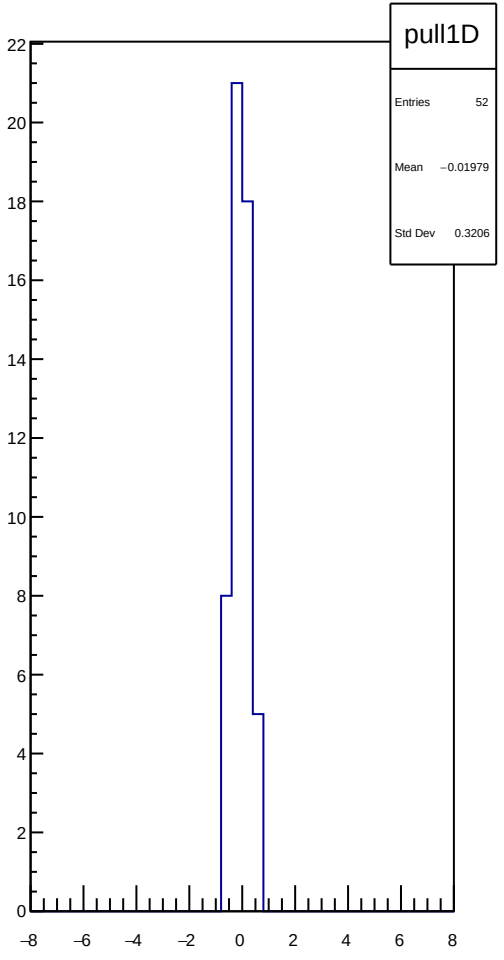

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 4.83 / 51
p0 −14.58 ± 1.179
pull
Entries 52
Mean −201.8
Std Dev 0

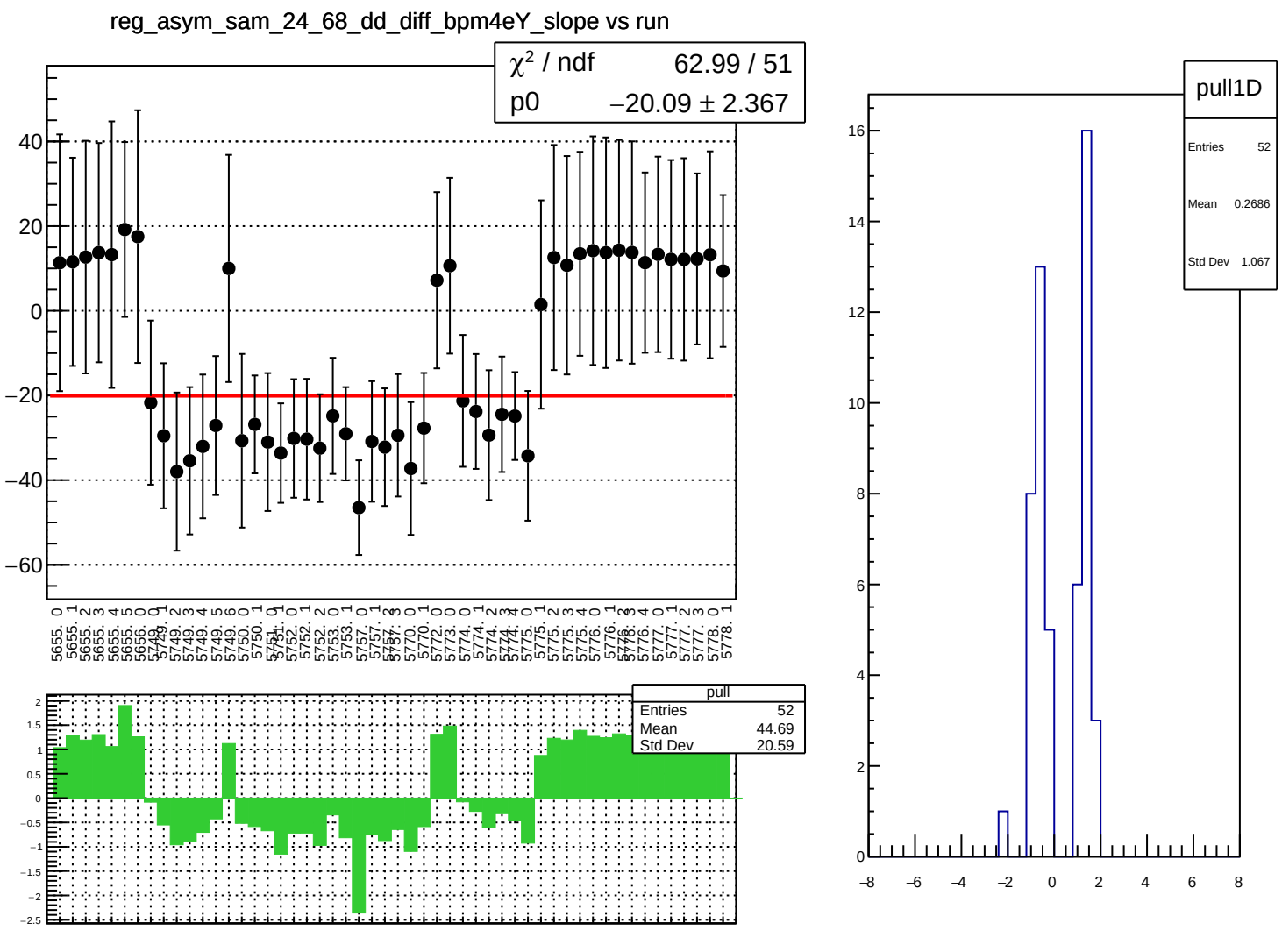

pull1D
Entries 52
Mean −0.01228
Std Dev 0.3045

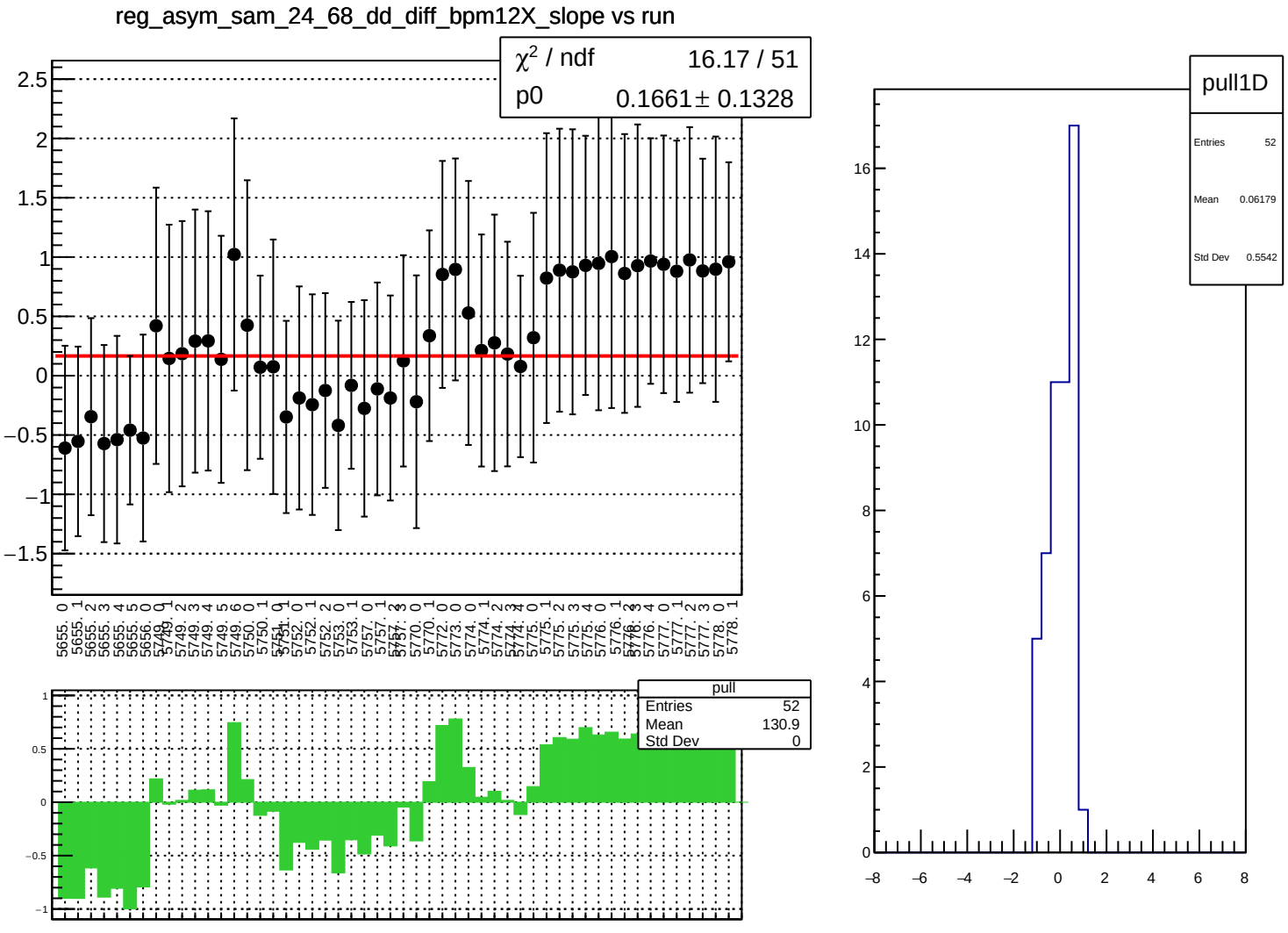

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 69.1 / 51
p0 −23.67 ± 2.213
pull
Entries 52
Mean 50.97
Std Dev 6.367

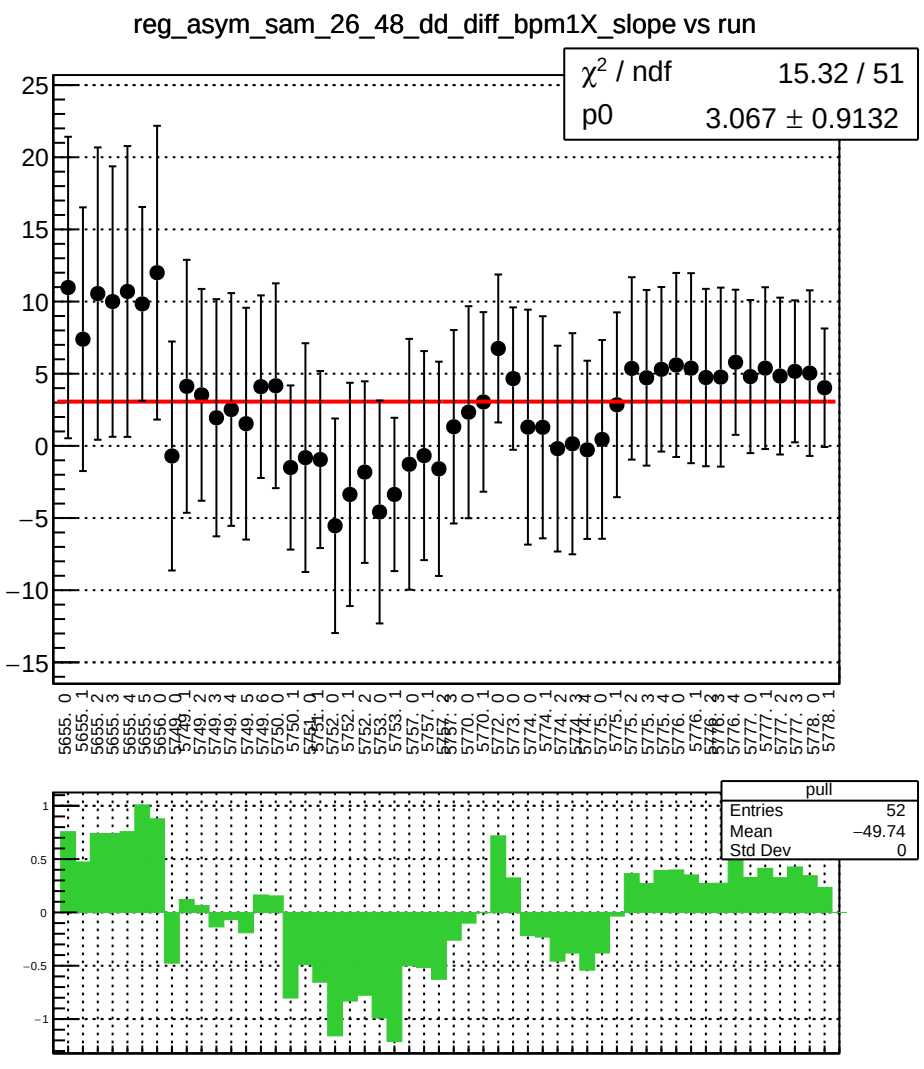

pull1D
Entries 52
Mean −0.3109
Std Dev 1.11

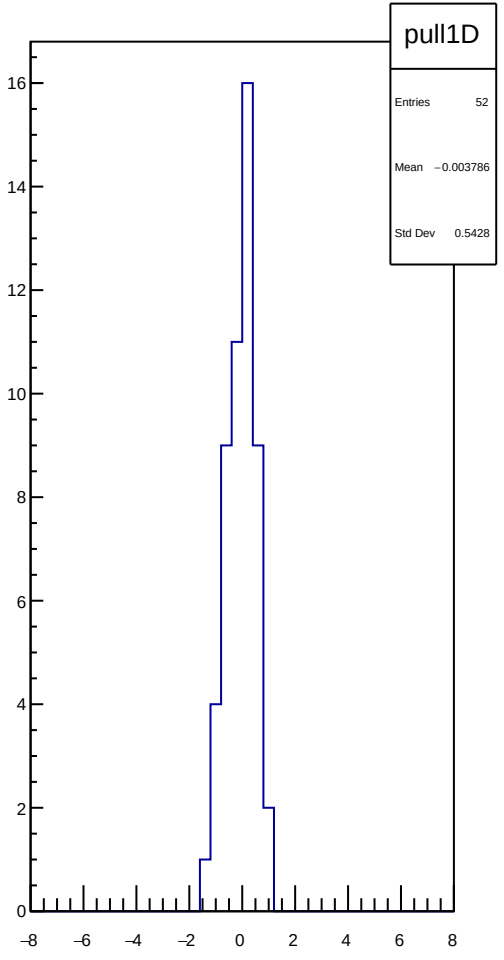

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.366 / 51
p0 −91.7 ± 1.787
pull
Entries 52
Mean 129.6
Std Dev 0

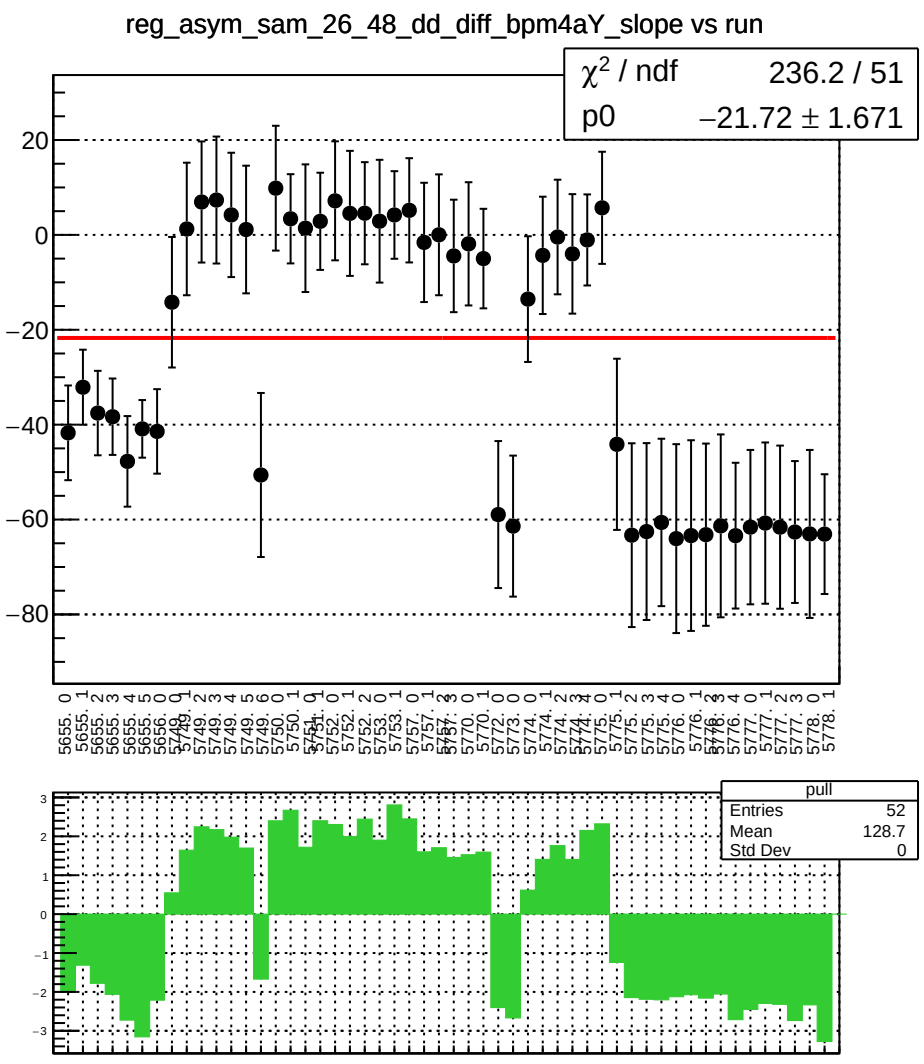

pull1D
Entries 52
Mean −0.01979
Std Dev 0.3206

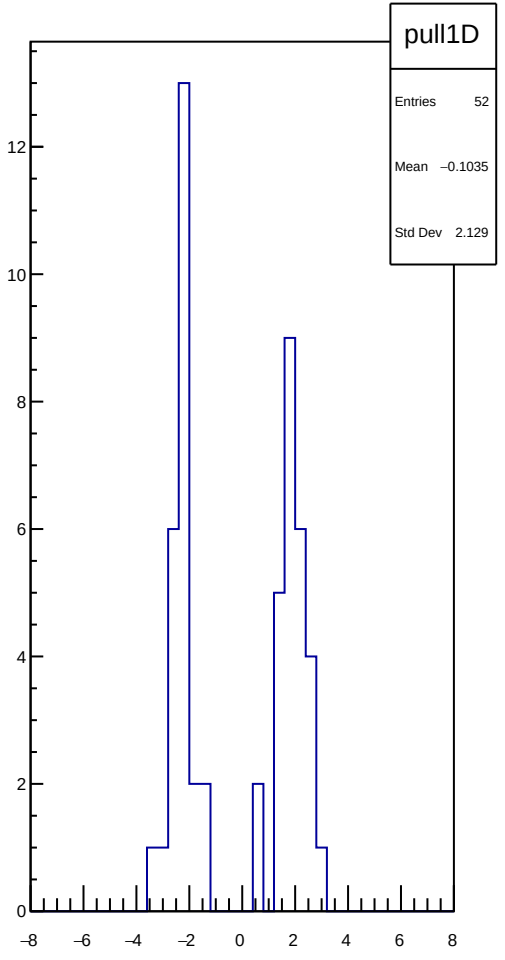

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 62.99 / 51
p0 −20.09 ± 2.367
pull
Entries 52
Mean 44.69
Std Dev 20.59
pull1D
Entries 52
Mean 0.2686
Std Dev 1.067

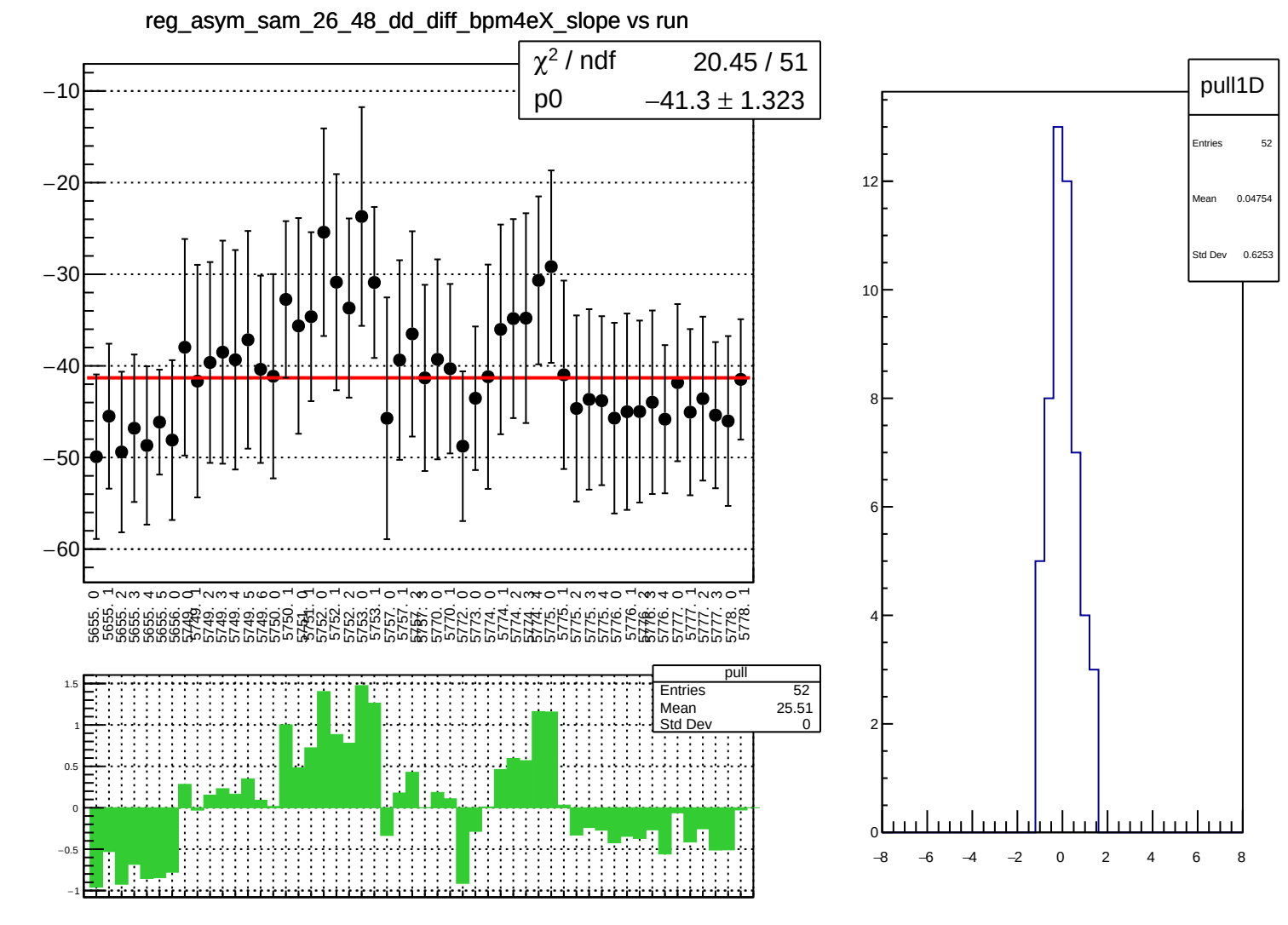

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 16.17 / 51
p0 0.1661± 0.1328
pull
Entries 52
Mean 130.9
Std Dev 0
pull1D
Entries 52
Mean 0.06179
Std Dev 0.5542

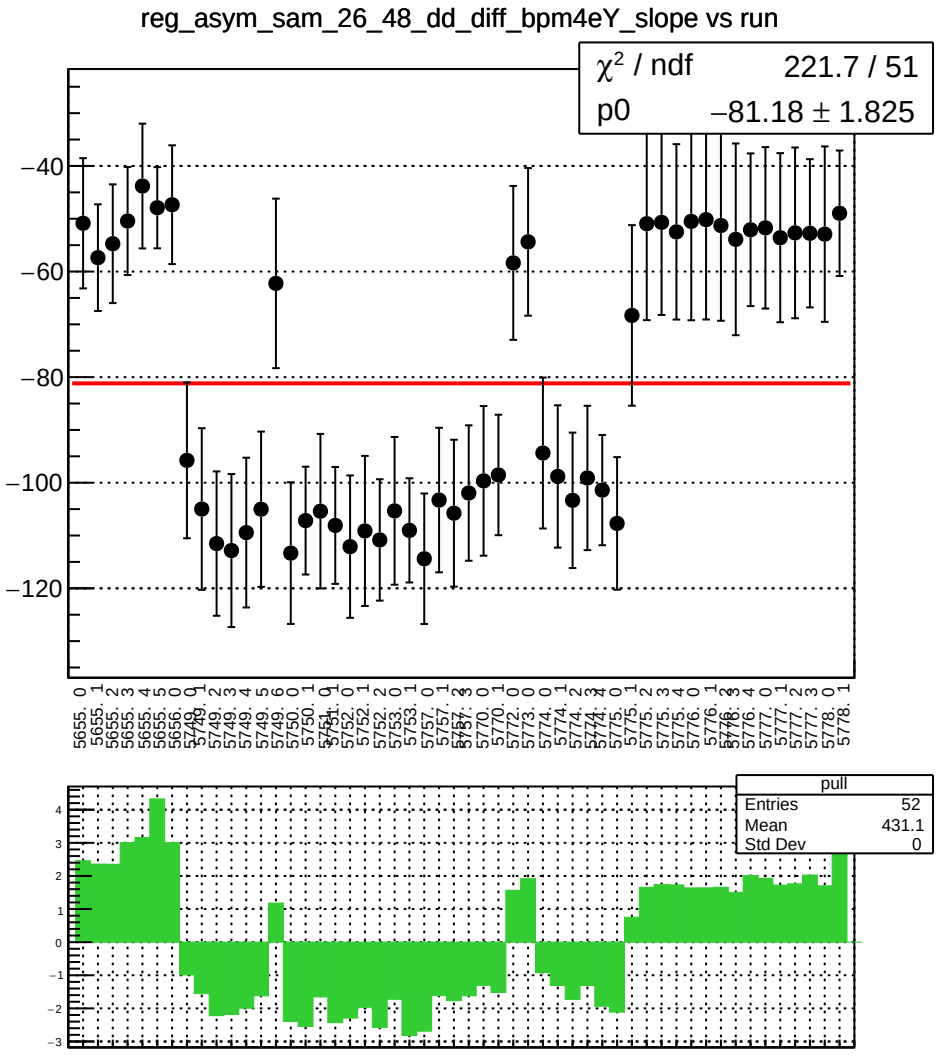

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 15.32 / 51
p0 3.067 ± 0.9132
pull
Entries 52
Mean −49.74
Std Dev 0

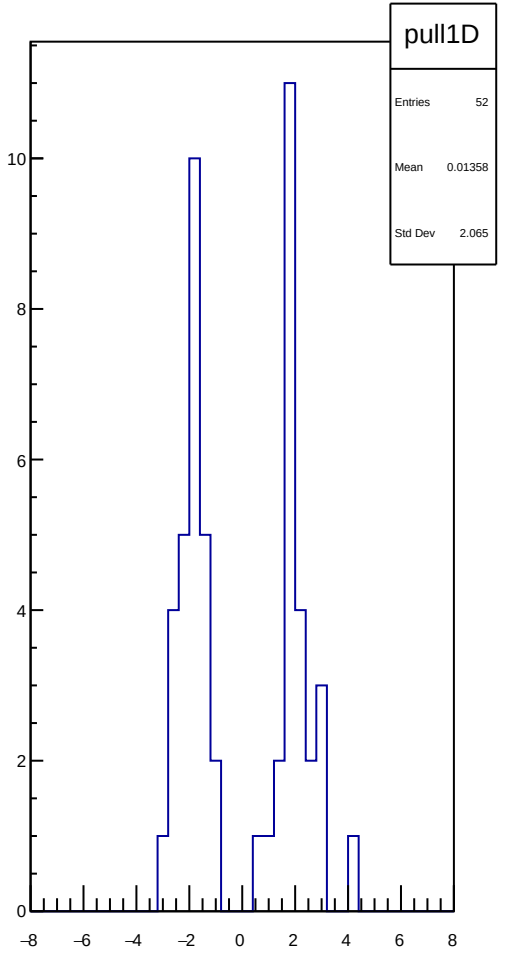

pull1D
Entries 52
Mean −0.003786
Std Dev 0.5428

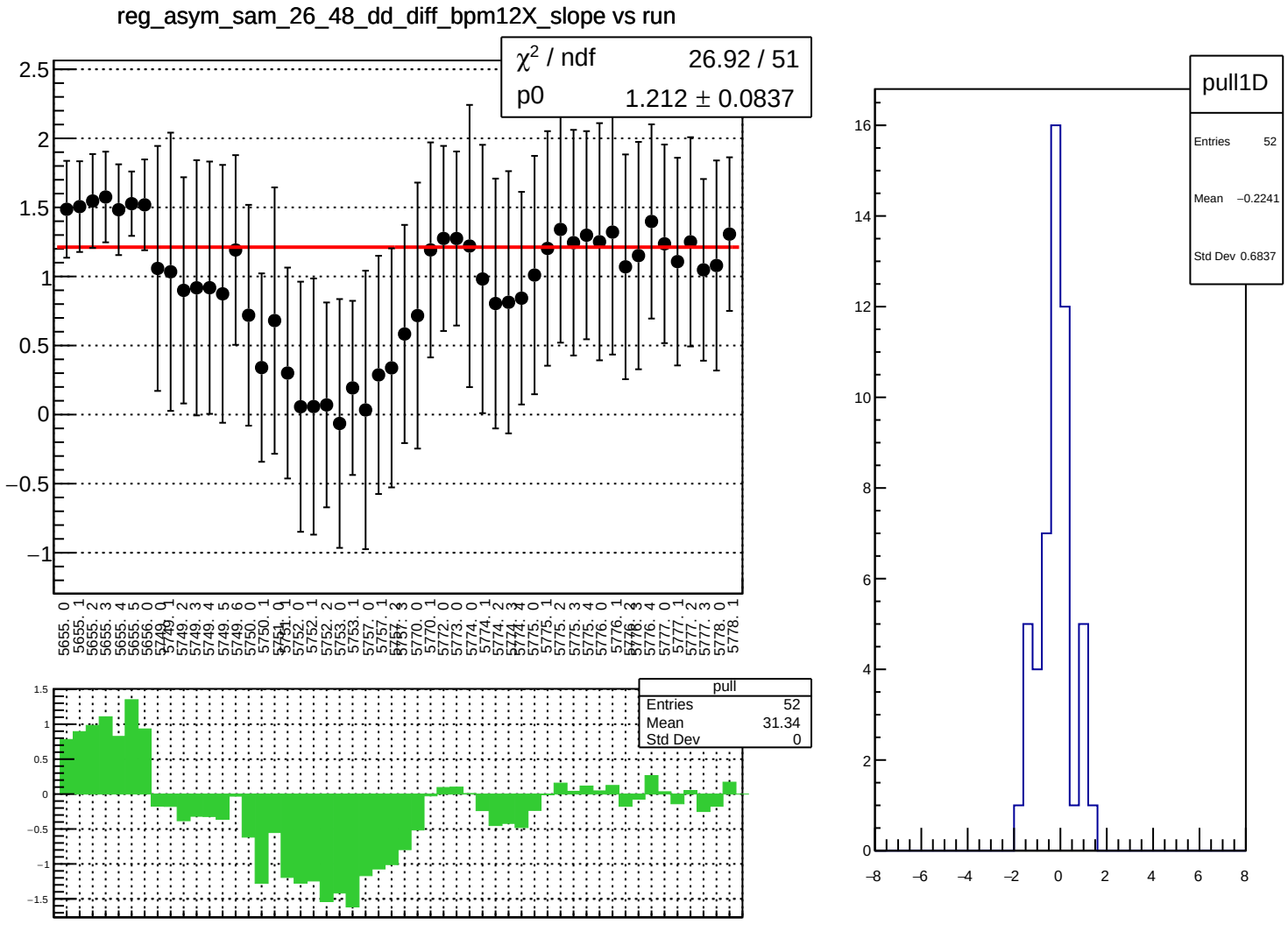

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 236.2 / 51
p0 −21.72 ± 1.671
pull
Entries 52
Mean 128.7
Std Dev 0

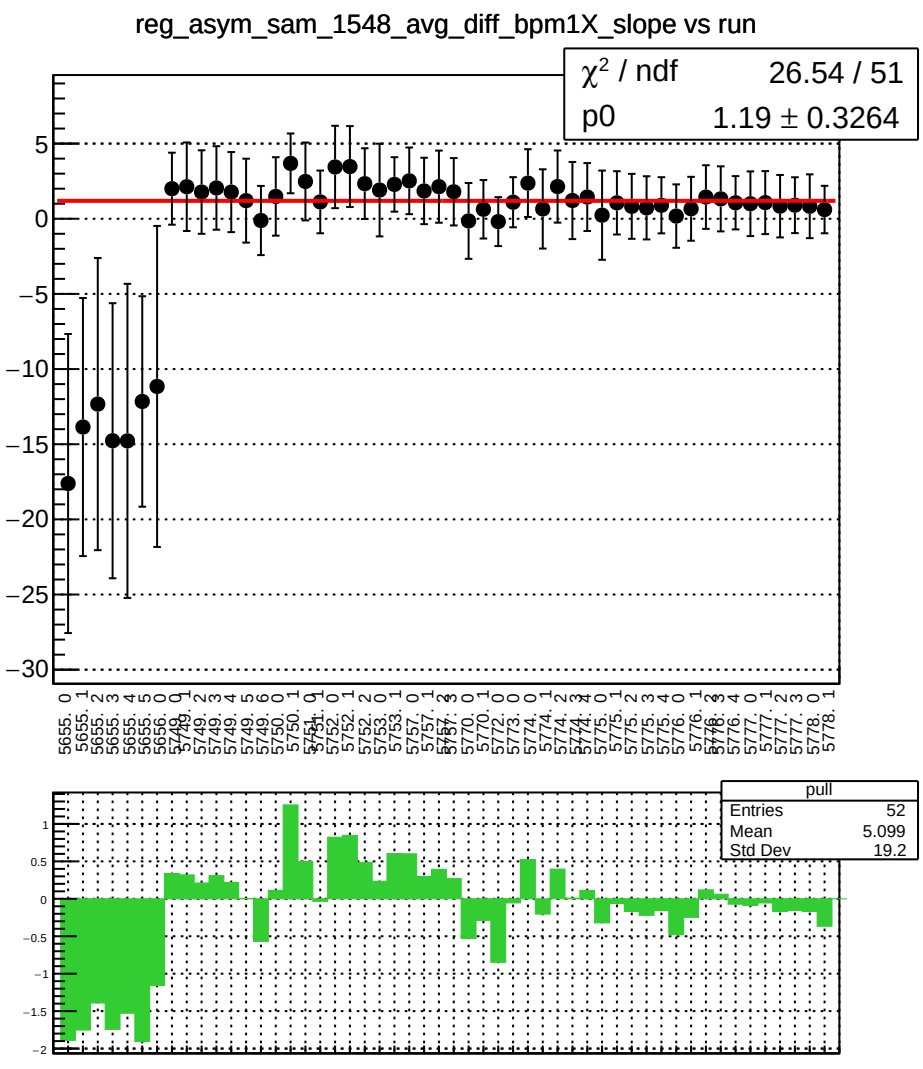

pull1D
Entries 52
Mean −0.1035
Std Dev 2.129

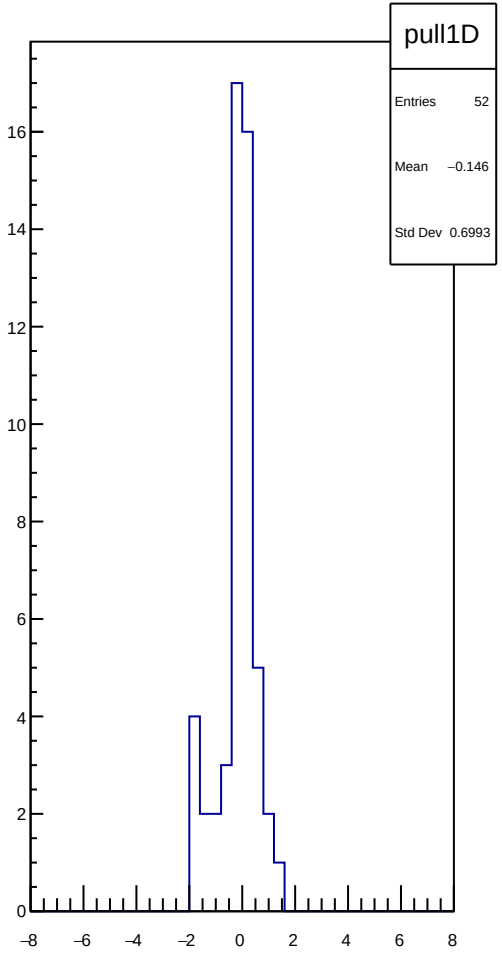

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.45 / 51
p0 −41.3 ± 1.323
pull
Entries 52
Mean 25.51
Std Dev 0
pull1D
Entries 52
Mean 0.04754
Std Dev 0.6253

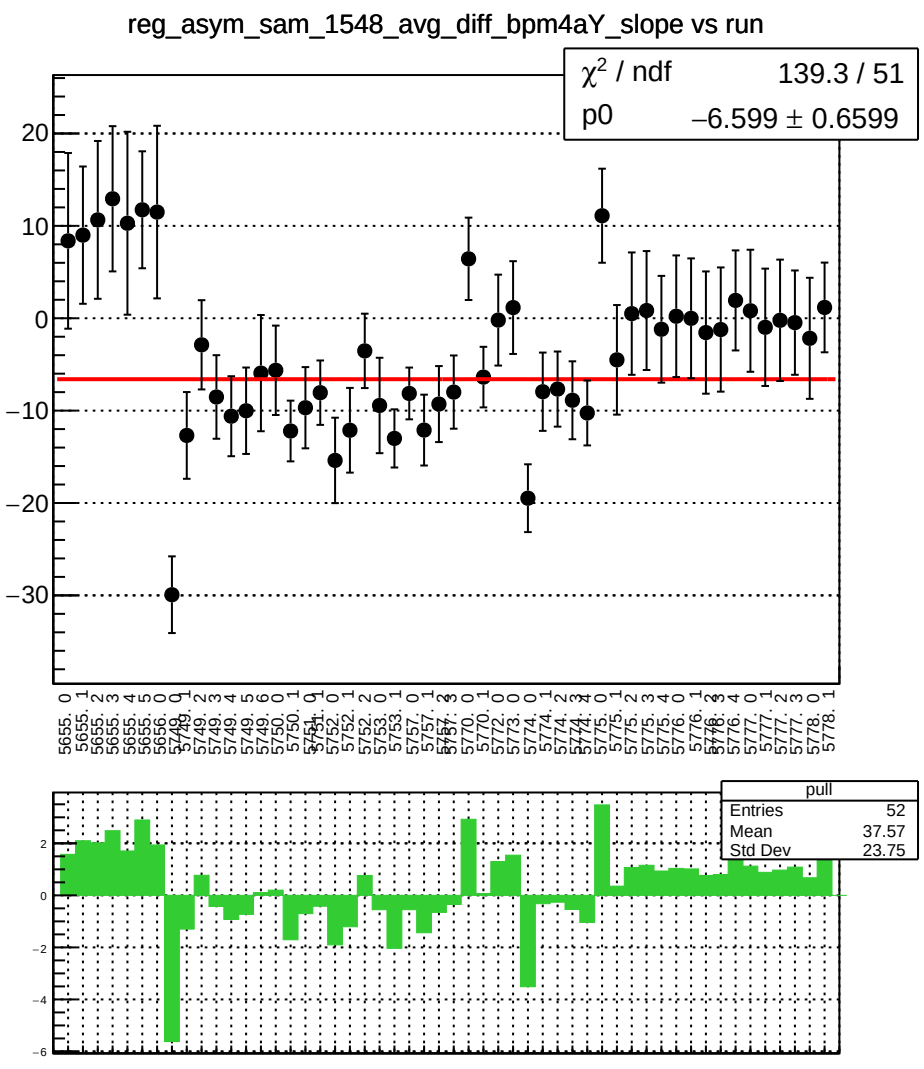

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 221.7 / 51
p0 −81.18 ± 1.825
pull
Entries 52
Mean 431.1
Std Dev 0

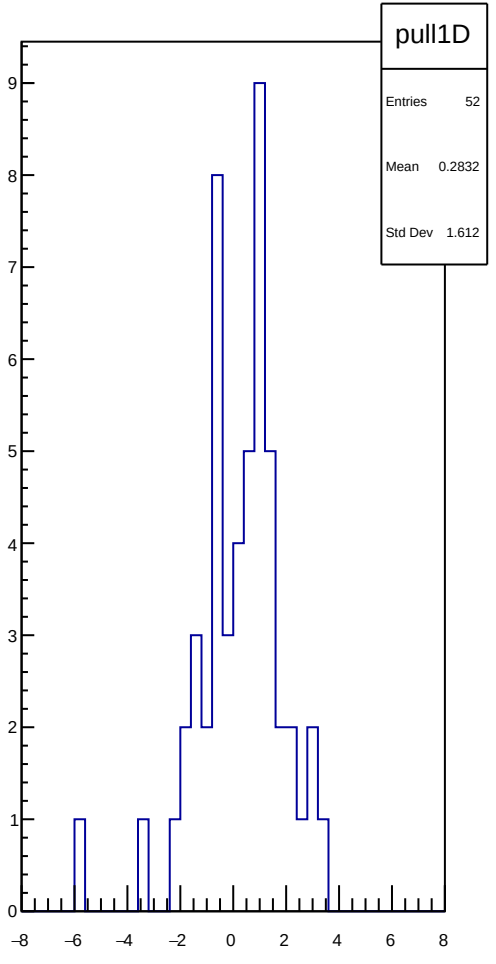

pull1D
Entries 52
Mean 0.01358
Std Dev 2.065

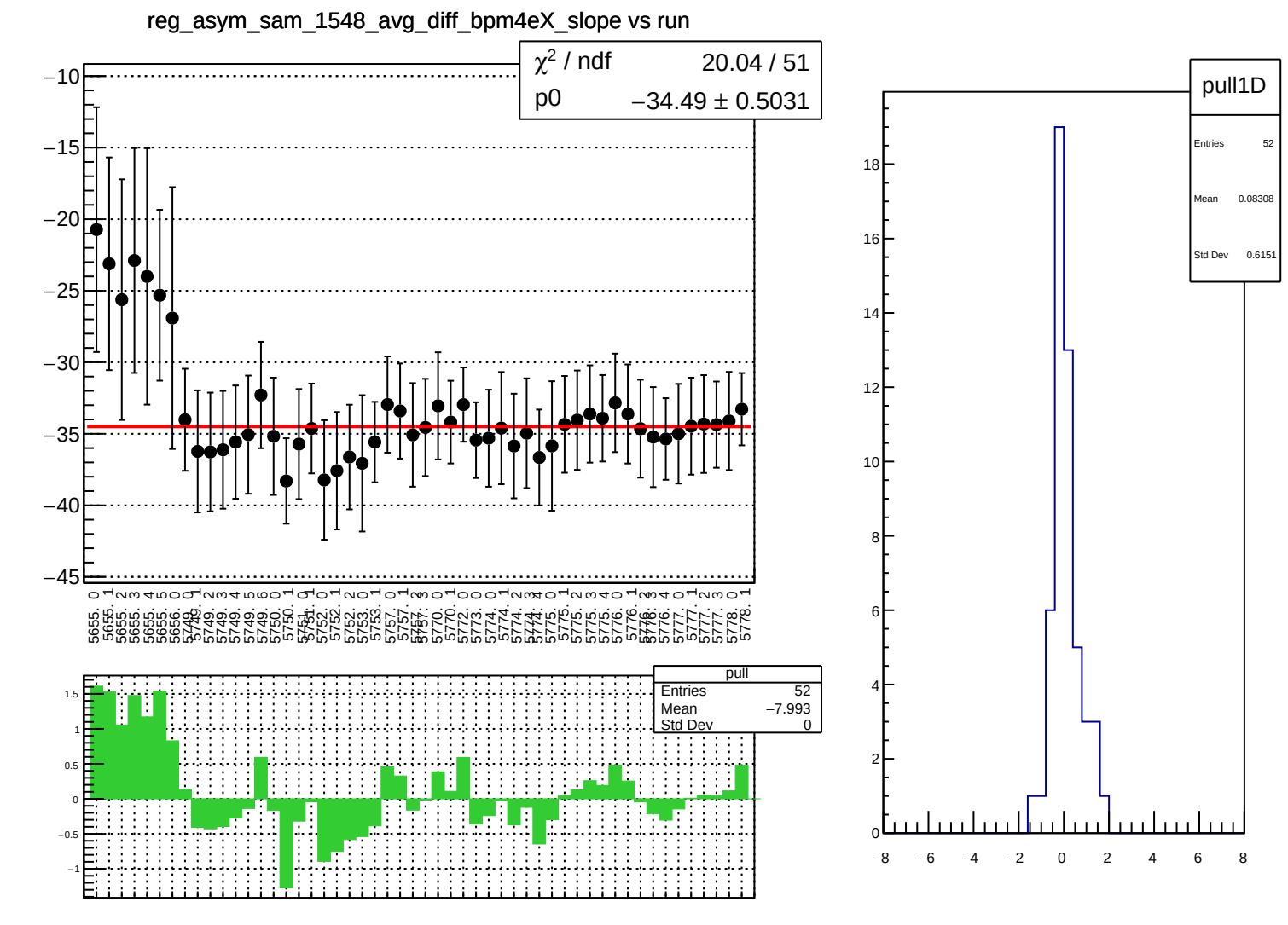

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 26.92 / 51
p0 1.212 ± 0.0837
pull
Entries 52
Mean 31.34
Std Dev 0
pull1D
Entries 52
Mean −0.2241
Std Dev 0.6837

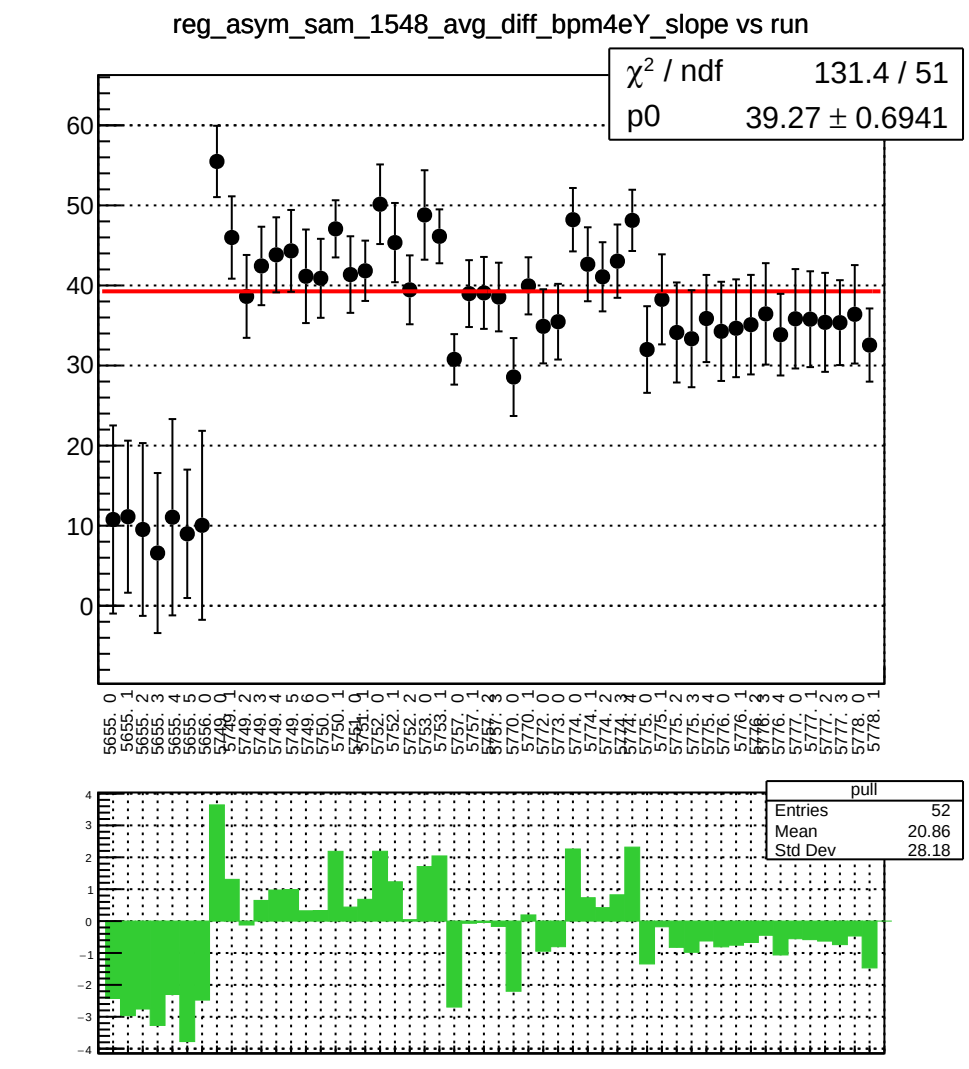

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 26.54 / 51
p0 1.19 ± 0.3264
pull
Entries 52
Mean 5.099
Std Dev 19.2

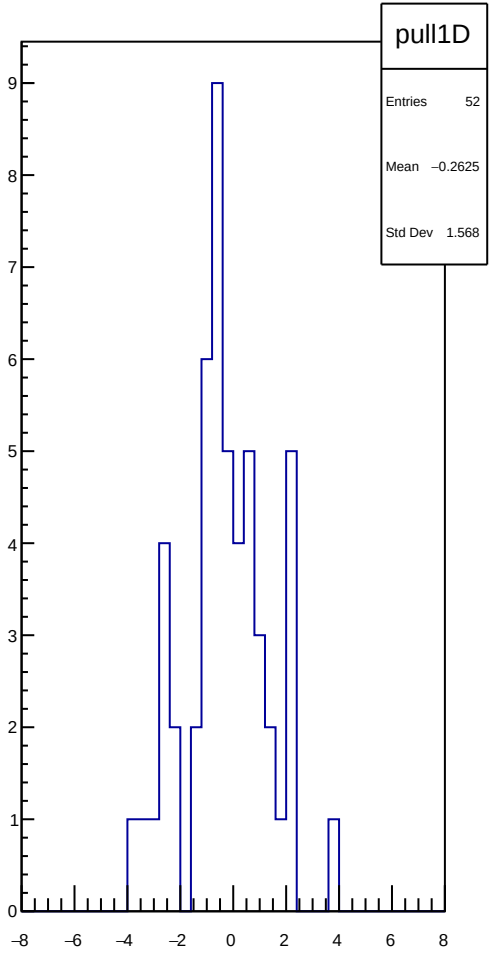

pull1D
Entries 52
Mean −0.146
Std Dev 0.6993

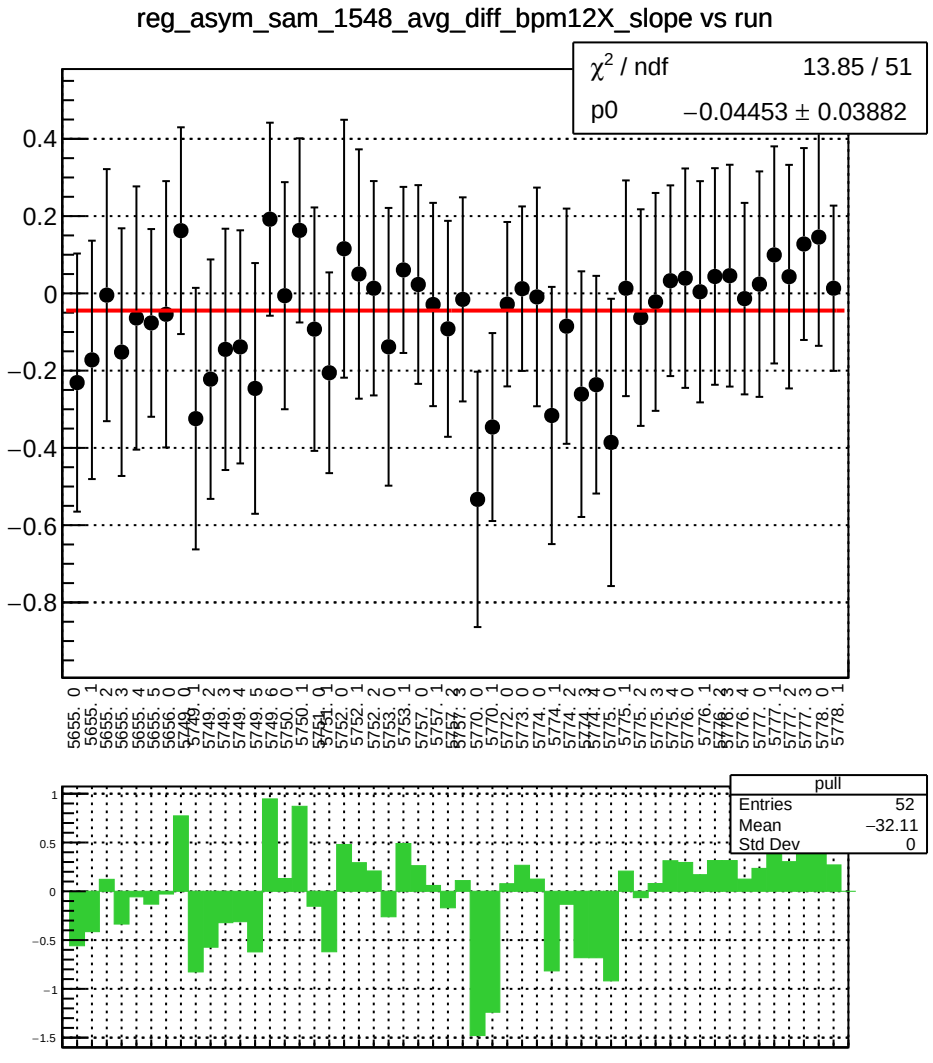

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 139.3 / 51
p0 −6.599 ± 0.6599
pull
Entries 52
Mean 37.57
Std Dev 23.75

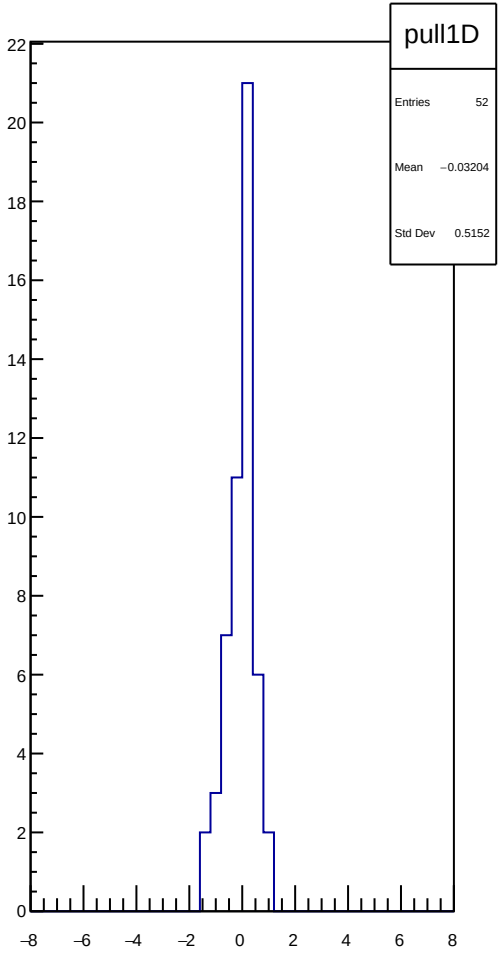

pull1D
Entries 52
Mean 0.2832
Std Dev 1.612

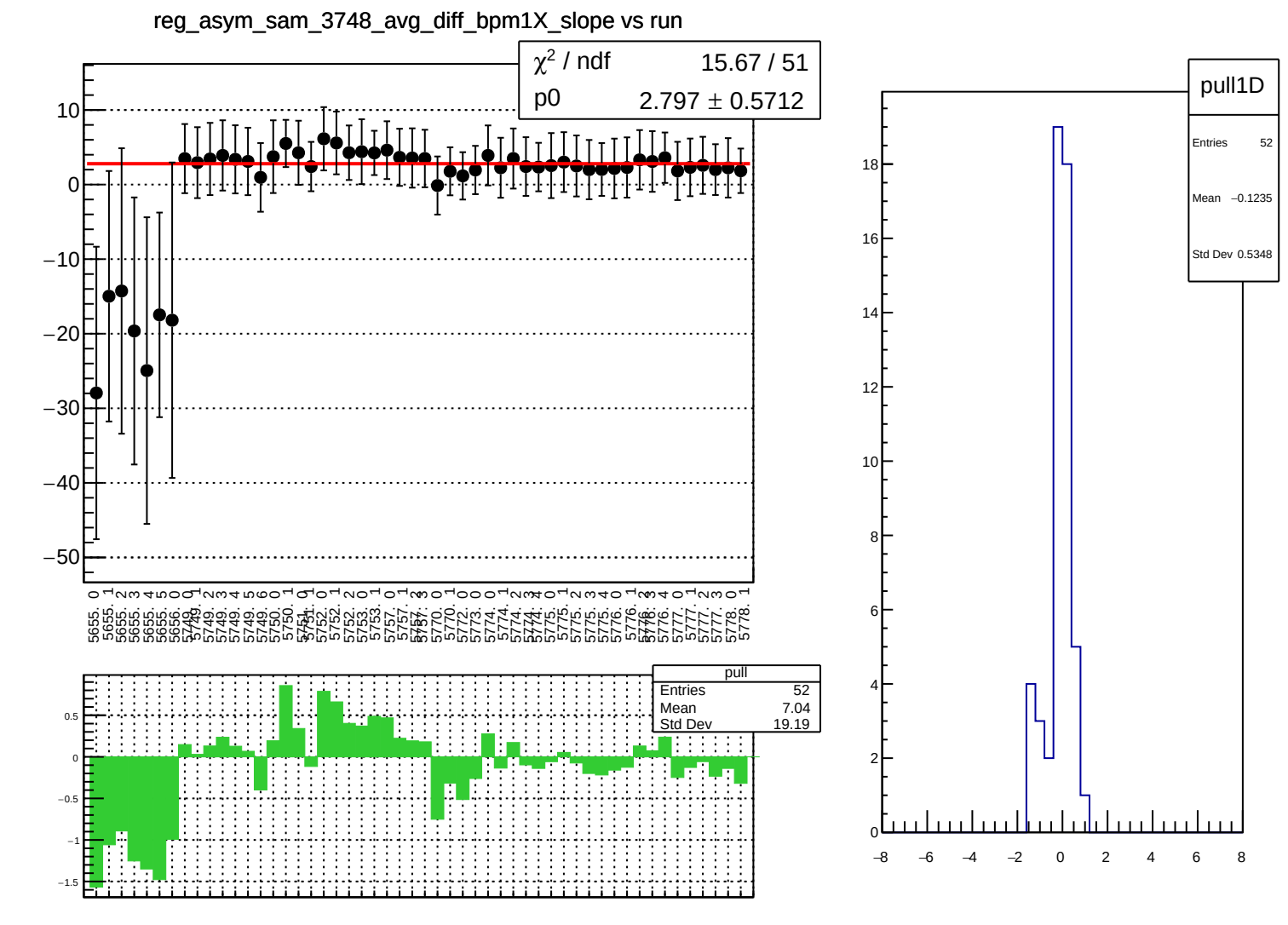

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 20.04 / 51
p0 −34.49 ± 0.5031
pull
Entries 52
Mean −7.993
Std Dev 0
pull1D
Entries 52
Mean 0.08308
Std Dev 0.6151

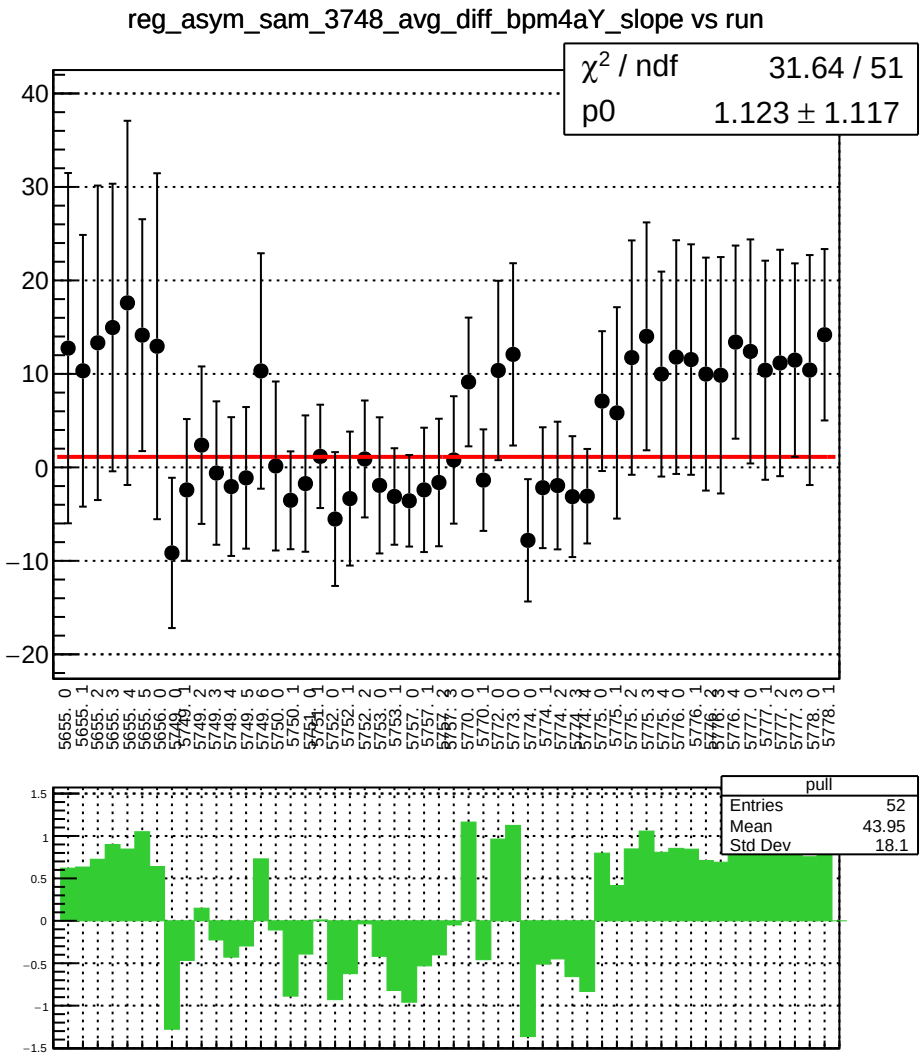

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 131.4 / 51
p0 39.27 ± 0.6941
pull
Entries 52
Mean 20.86
Std Dev 28.18

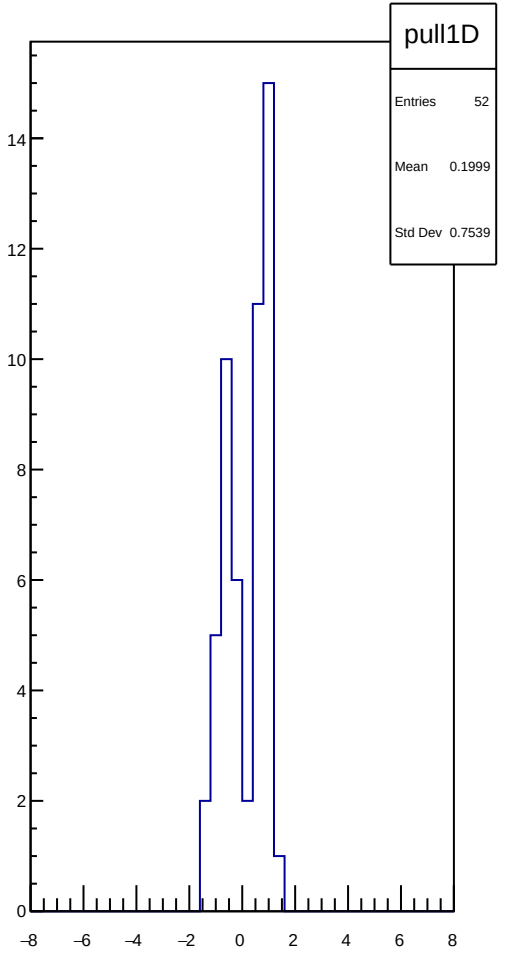

pull1D
Entries 52
Mean −0.2625
Std Dev 1.568

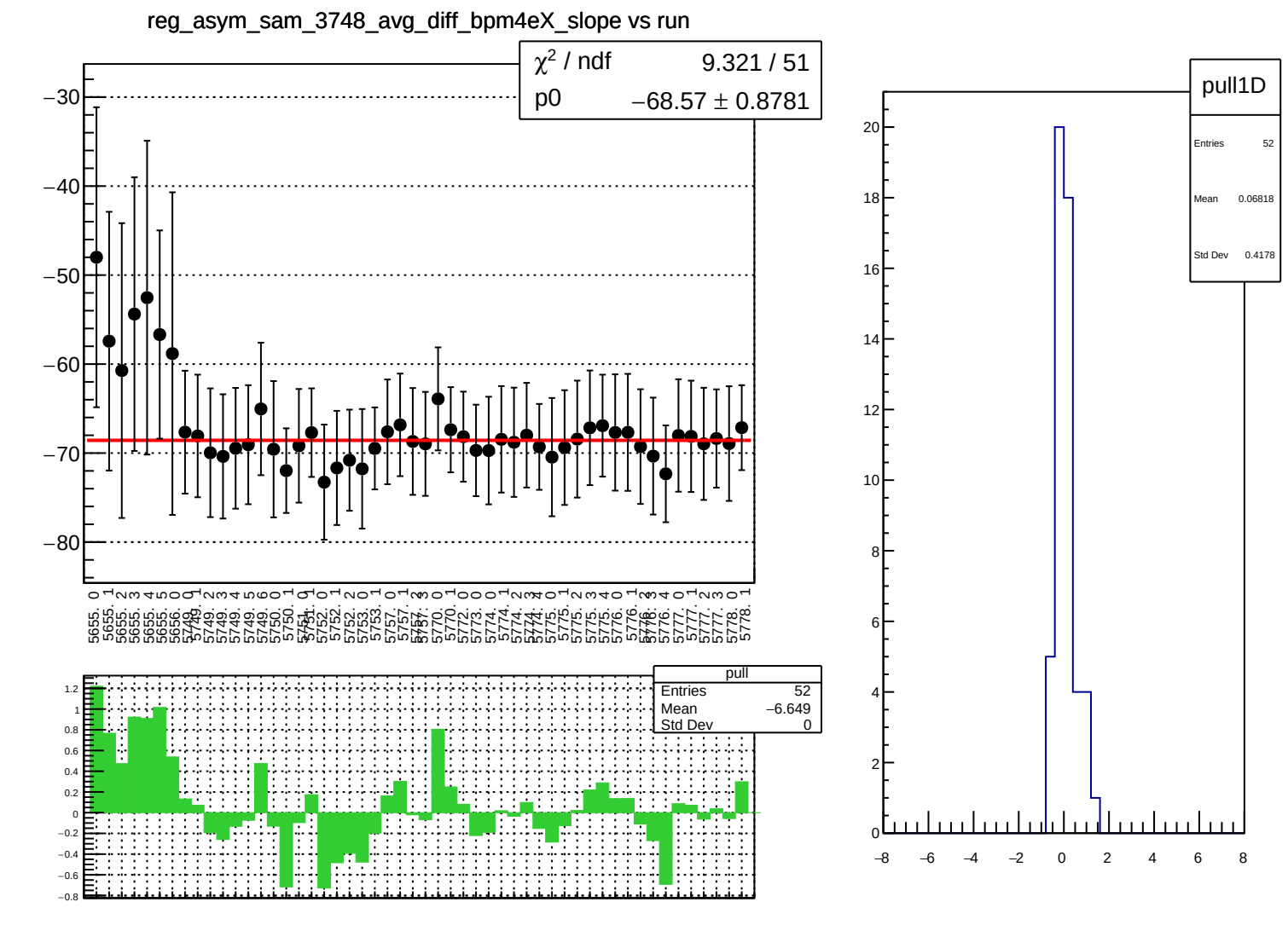

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 13.85 / 51
p0 −0.04453 ± 0.03882
pull
Entries 52
Mean −32.11
Std Dev 0

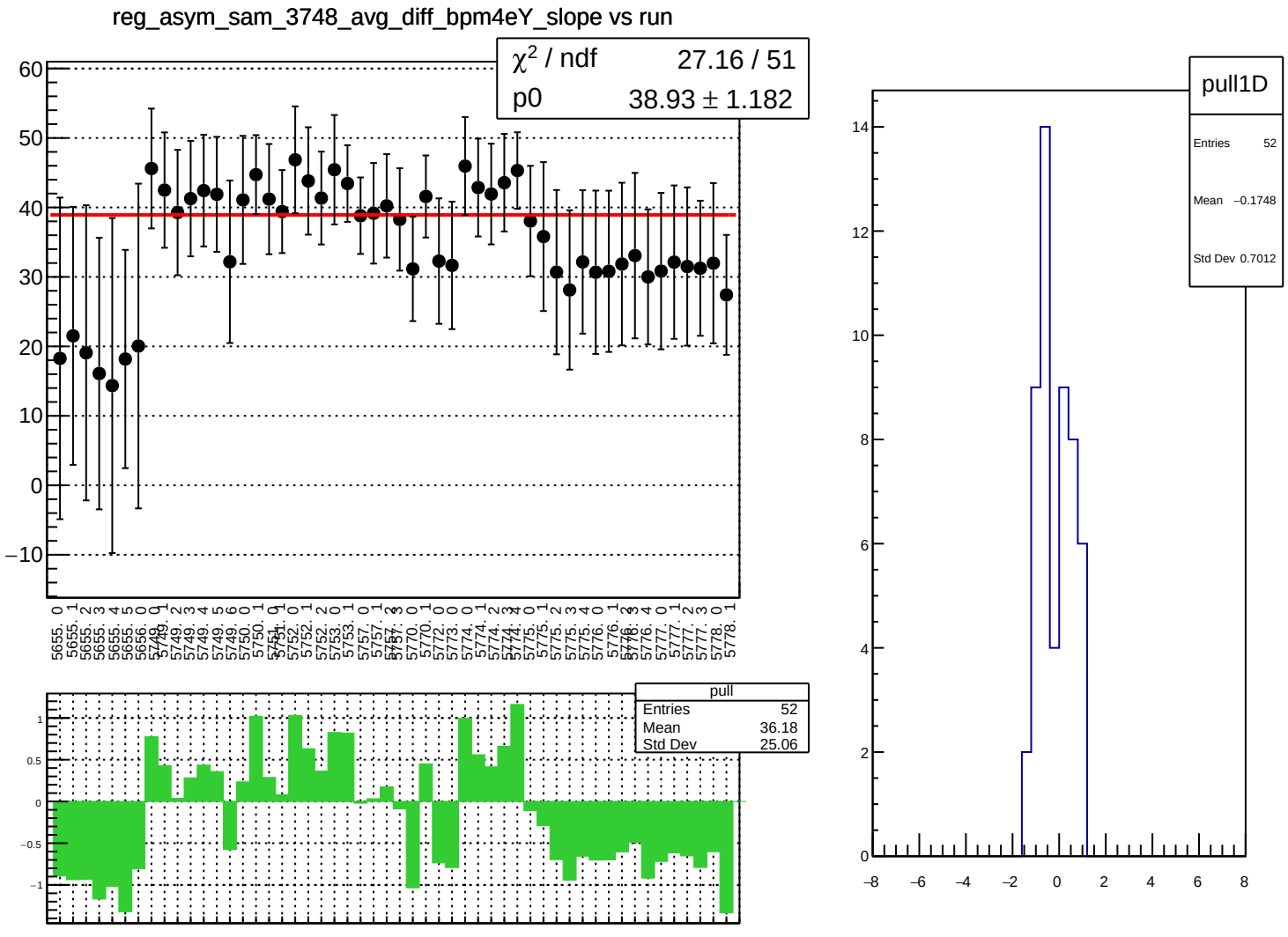

pull1D
Entries 52
Mean −0.03204
Std Dev 0.5152

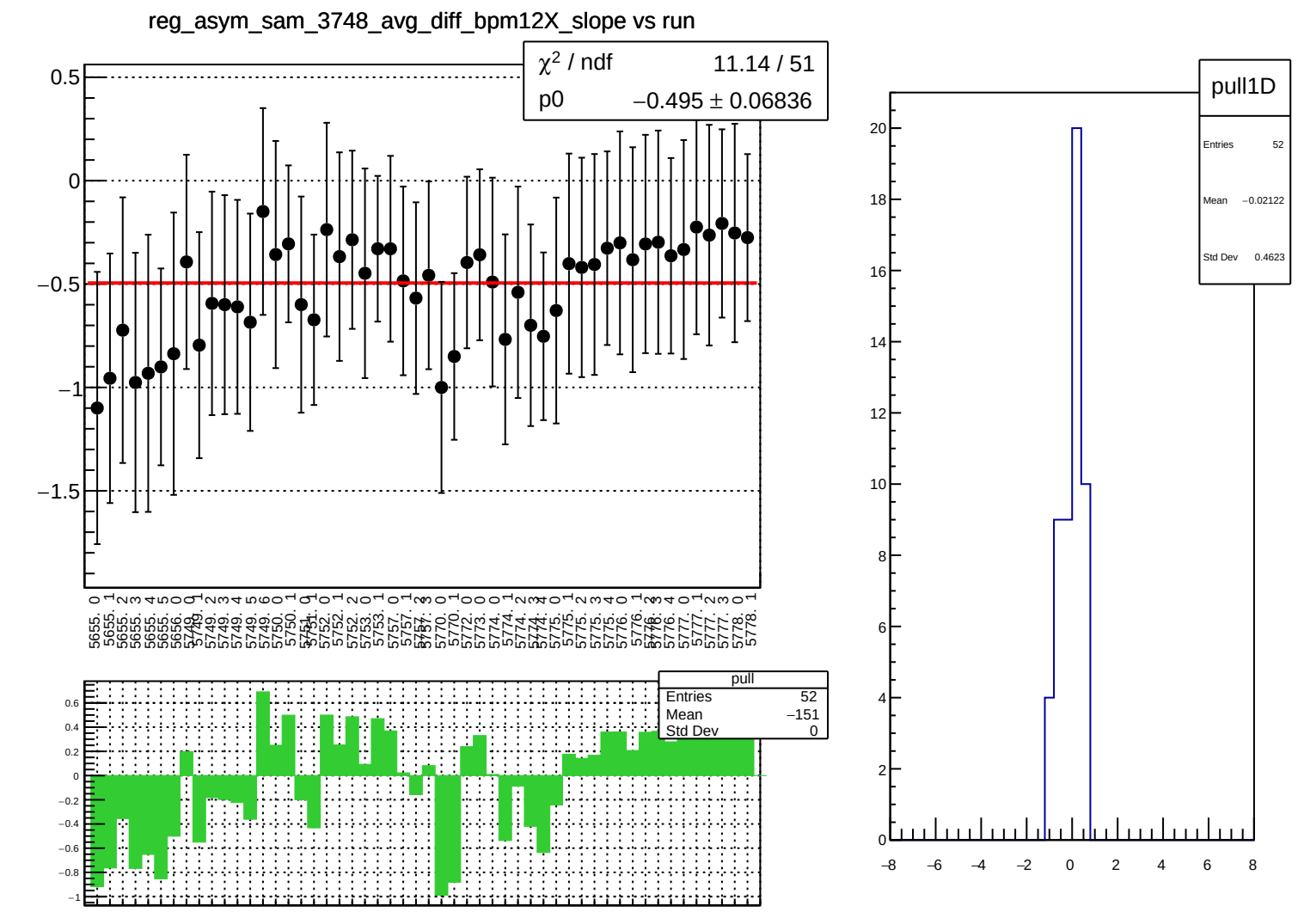

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 15.67 / 51
p0 2.797 ± 0.5712
pull
Entries 52
Mean 7.04
Std Dev 19.19
pull1D
Entries 52
Mean −0.1235
Std Dev 0.5348

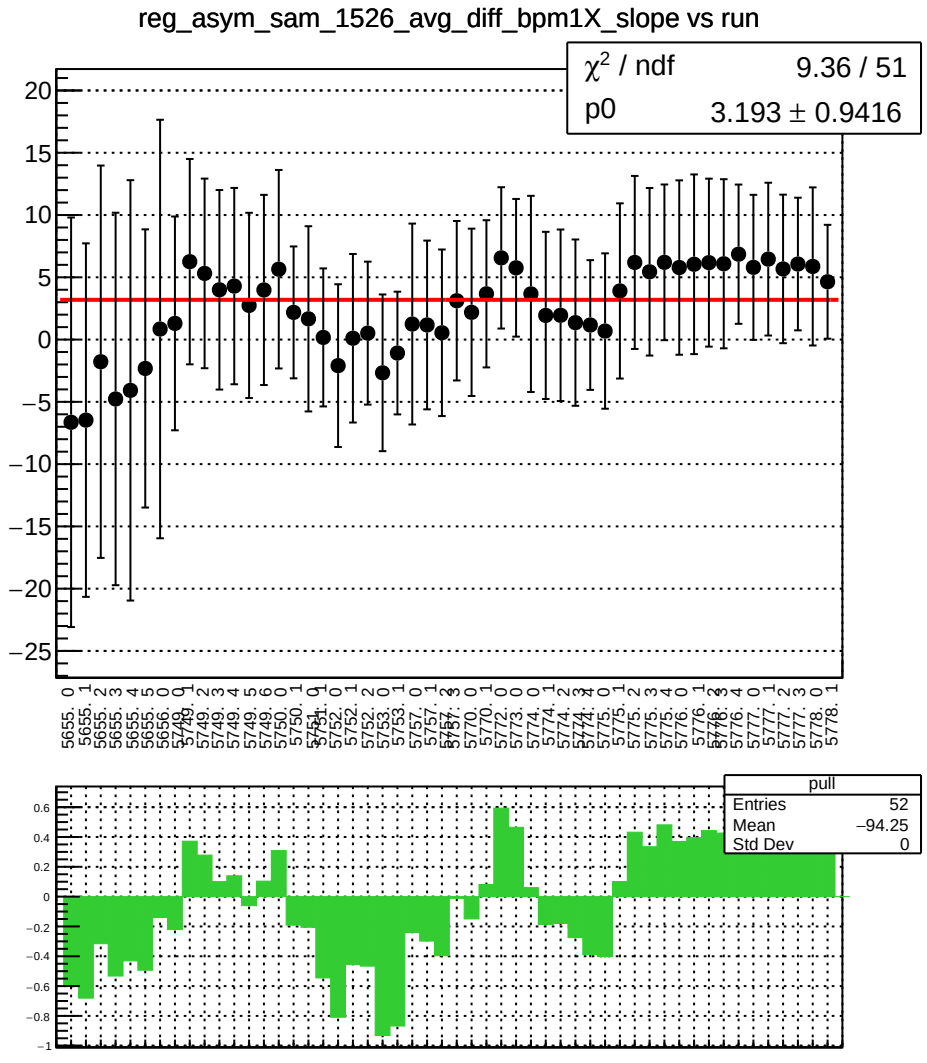

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 31.64 / 51
p0 1.123 ± 1.117
pull
Entries 52
Mean 43.95
Std Dev 18.1

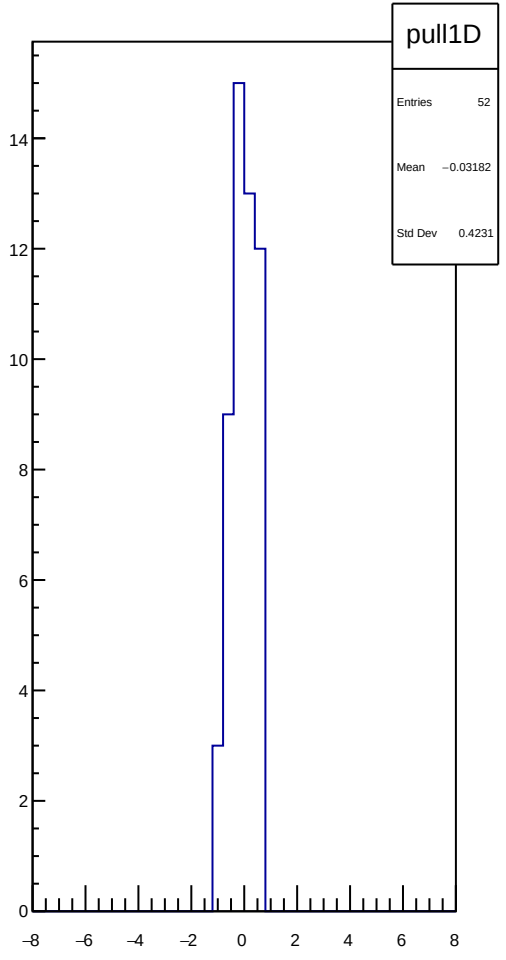

pull1D
Entries 52
Mean 0.1999
Std Dev 0.7539

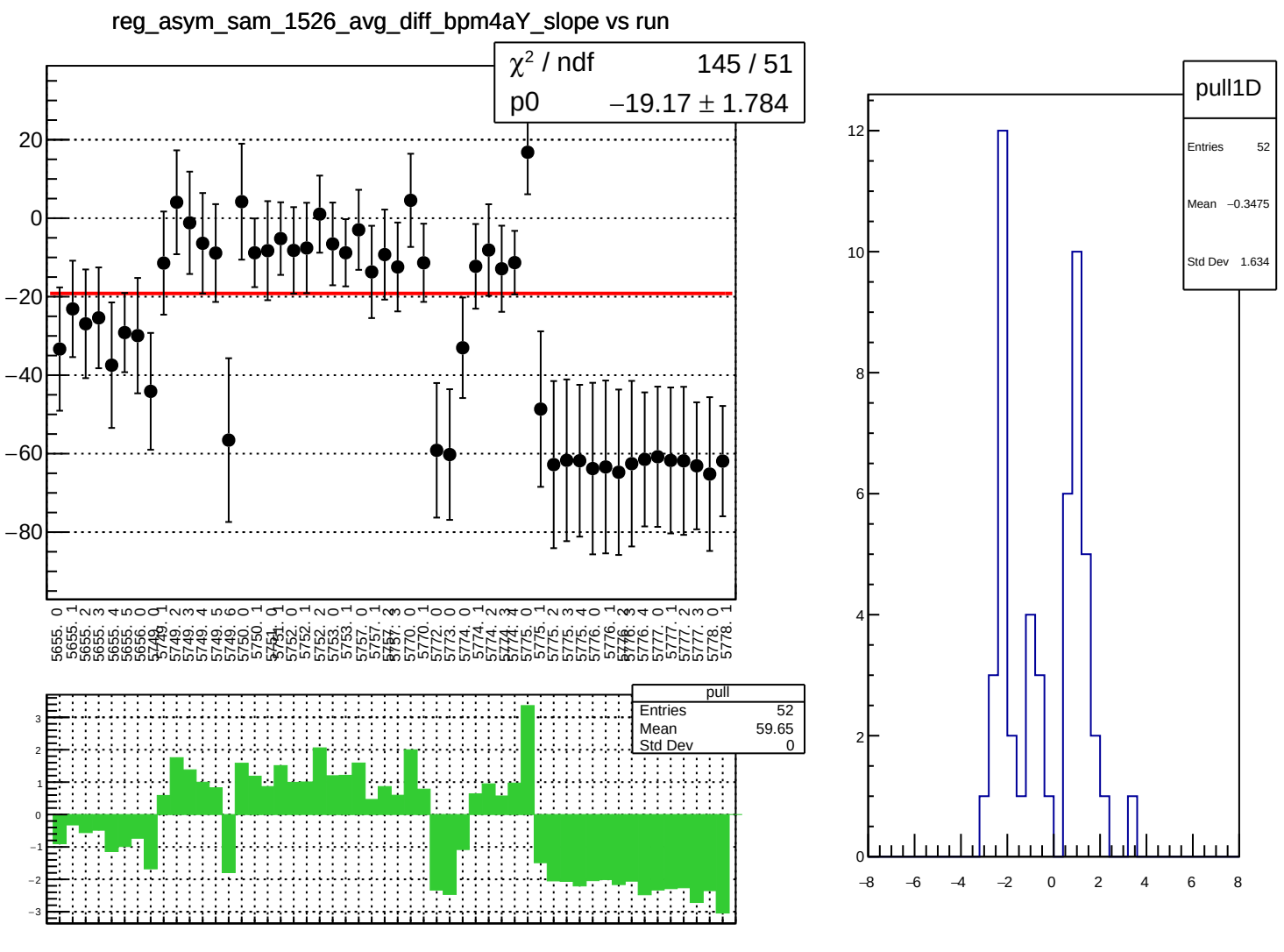

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.321 / 51
p0 −68.57 ± 0.8781
pull
Entries 52
Mean −6.649
Std Dev 0
pull1D
Entries 52
Mean 0.06818
Std Dev 0.4178

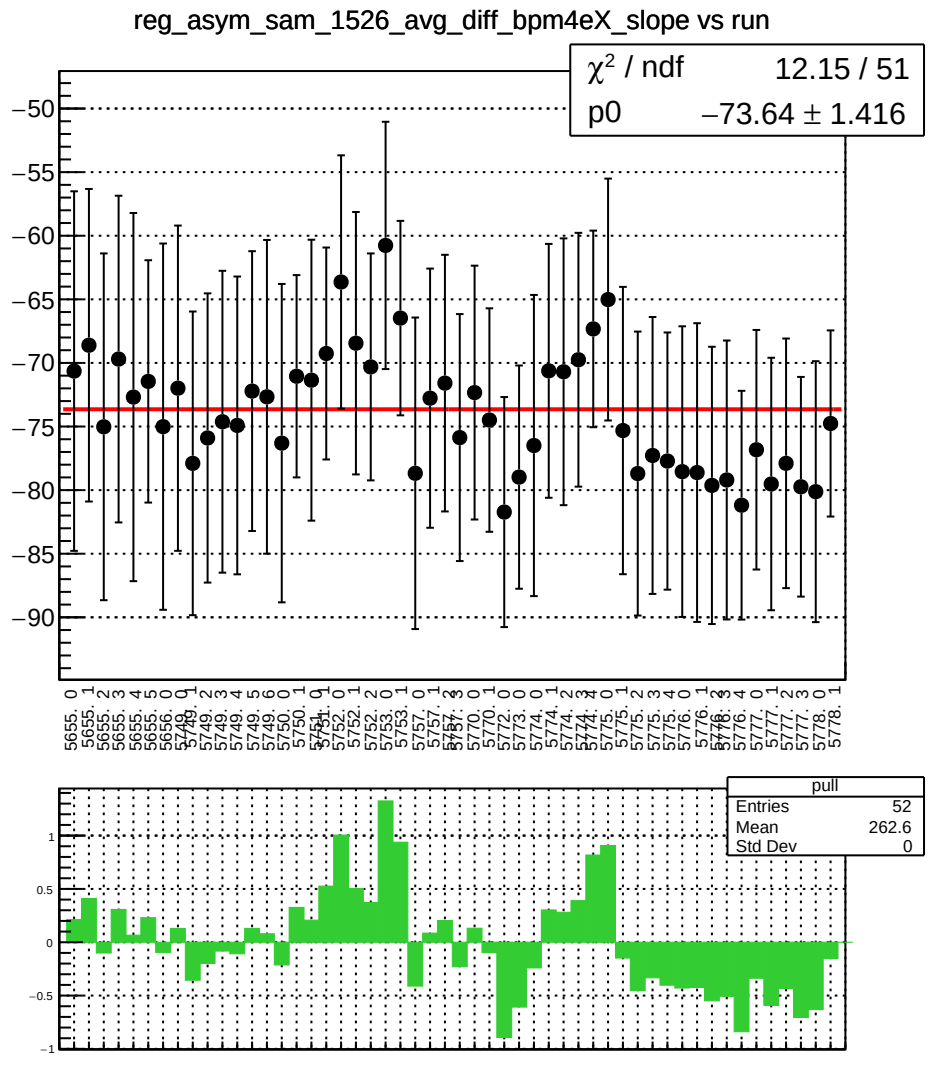

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 27.16 / 51
p0 38.93 ± 1.182
pull
Entries 52
Mean 36.18
Std Dev 25.06
pull1D
Entries 52
Mean −0.1748
Std Dev 0.7012

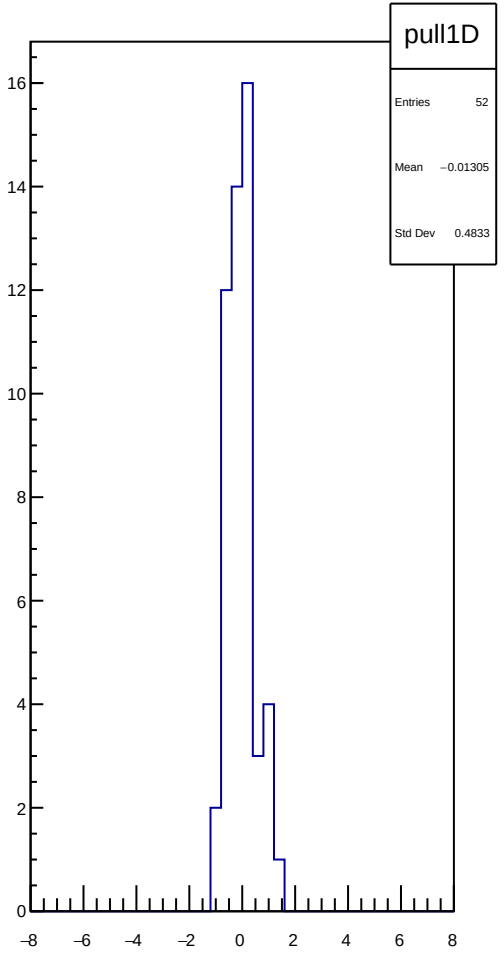

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 11.14 / 51
p0 −0.495 ± 0.06836
pull
Entries 52
Mean −151
Std Dev 0
pull1D
Entries 52
Mean −0.02122
Std Dev 0.4623

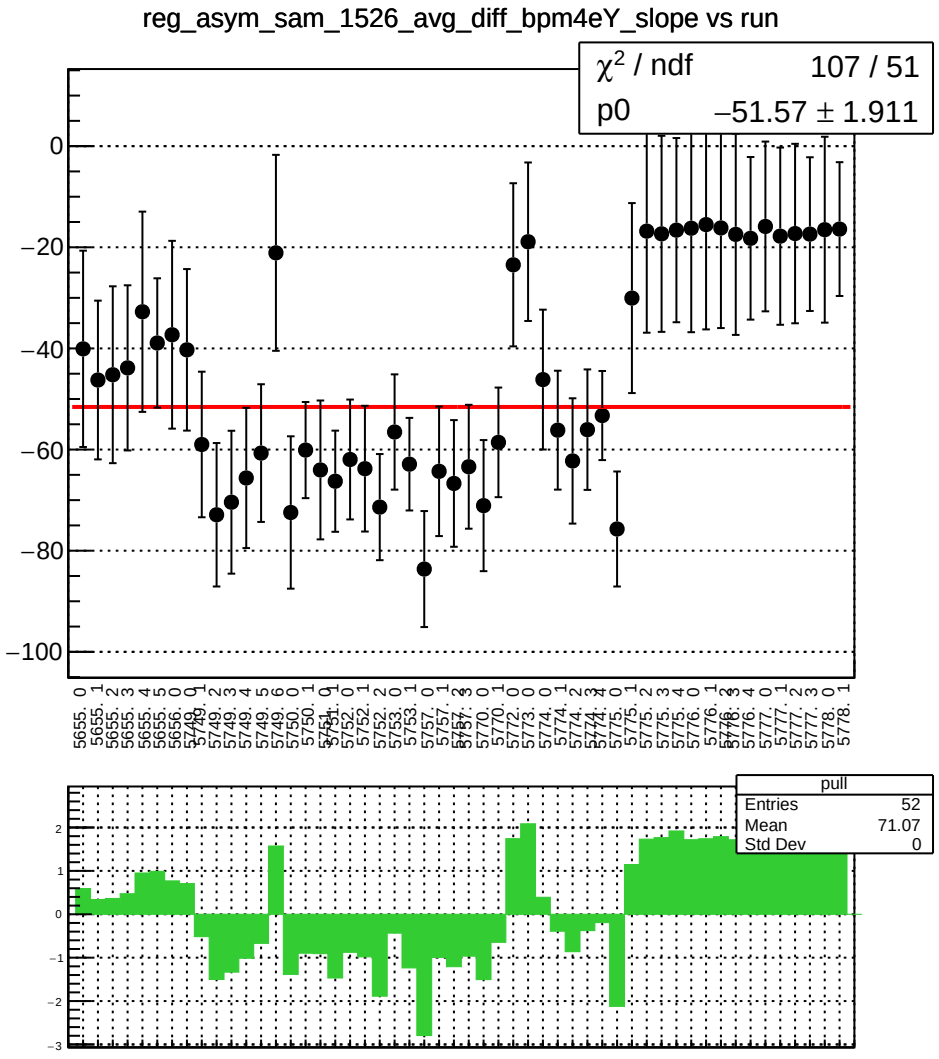

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 9.36 / 51
p0 3.193 ± 0.9416
pull
Entries 52
Mean −94.25
Std Dev 0

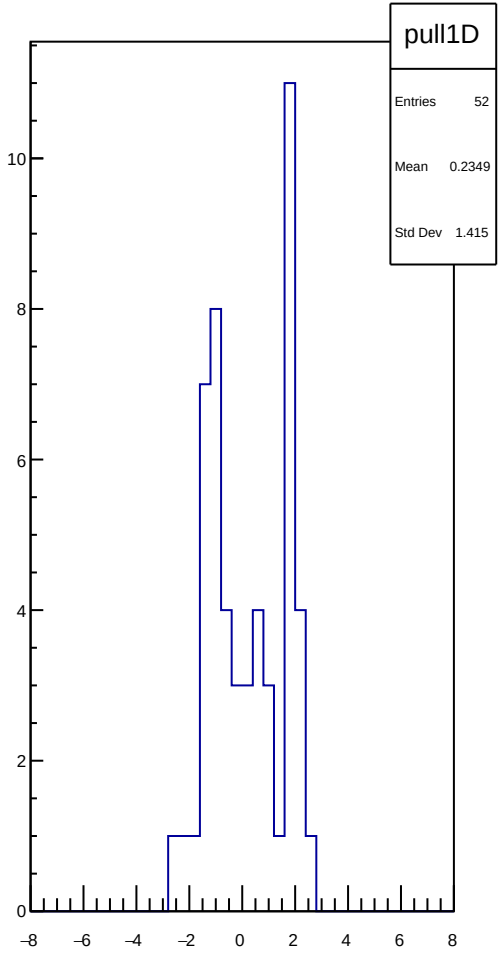

pull1D
Entries 52
Mean −0.03182
Std Dev 0.4231

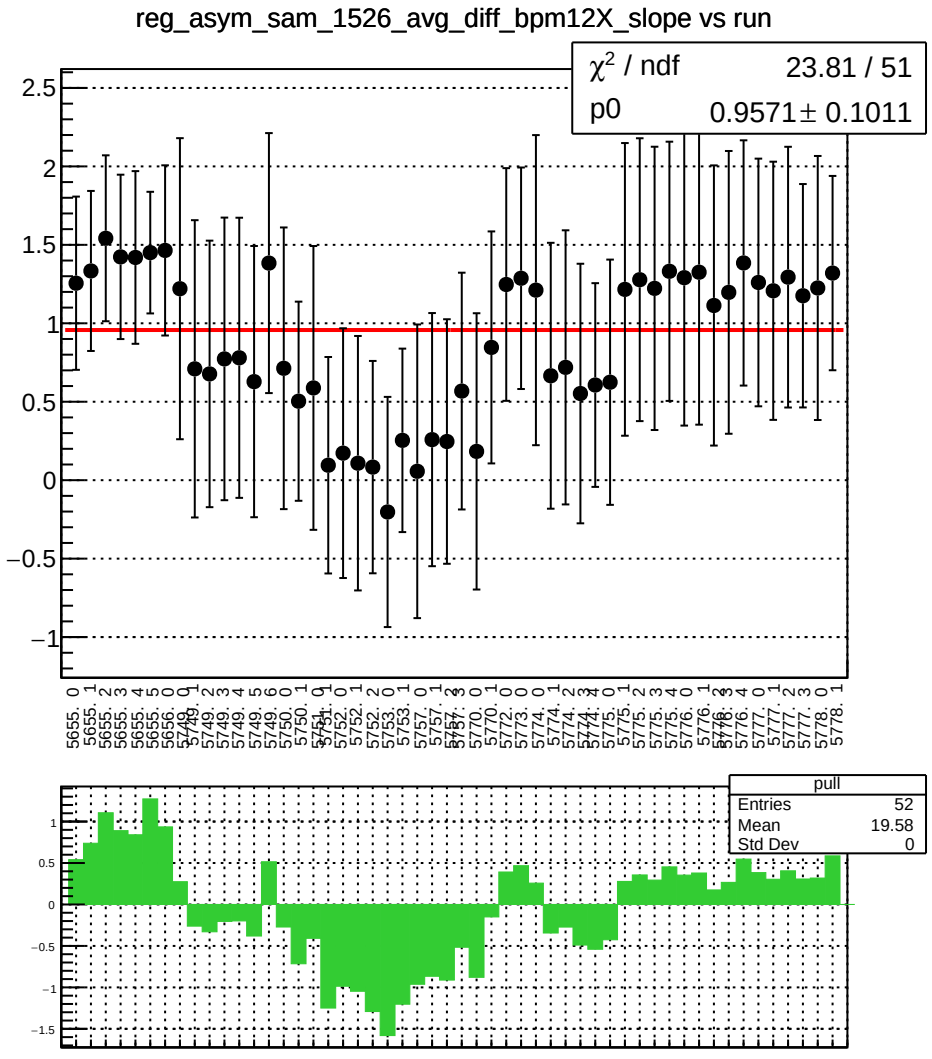

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 145 / 51
p0 −19.17 ± 1.784
pull
Entries 52
Mean 59.65
Std Dev 0
pull1D
Entries 52
Mean −0.3475
Std Dev 1.634

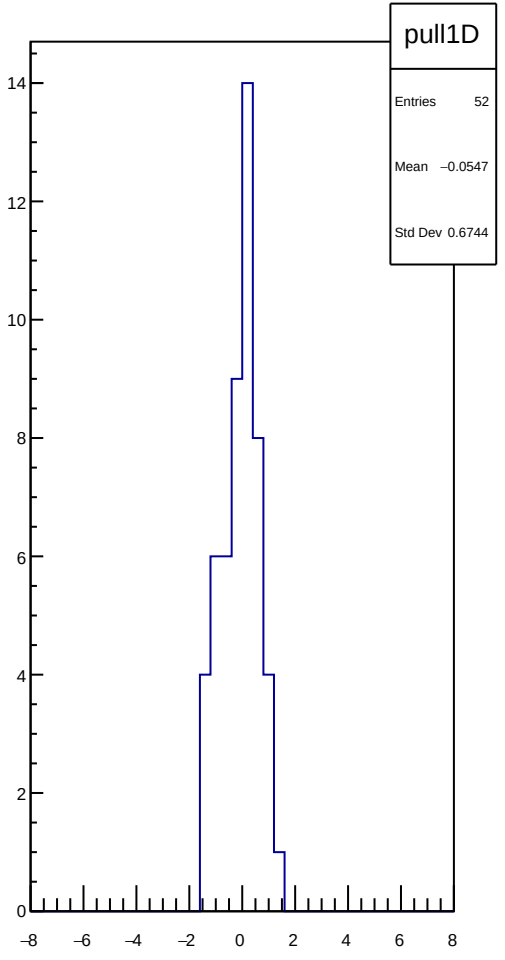

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.15 / 51
p0 −73.64 ± 1.416
pull
Entries 52
Mean 262.6
Std Dev 0

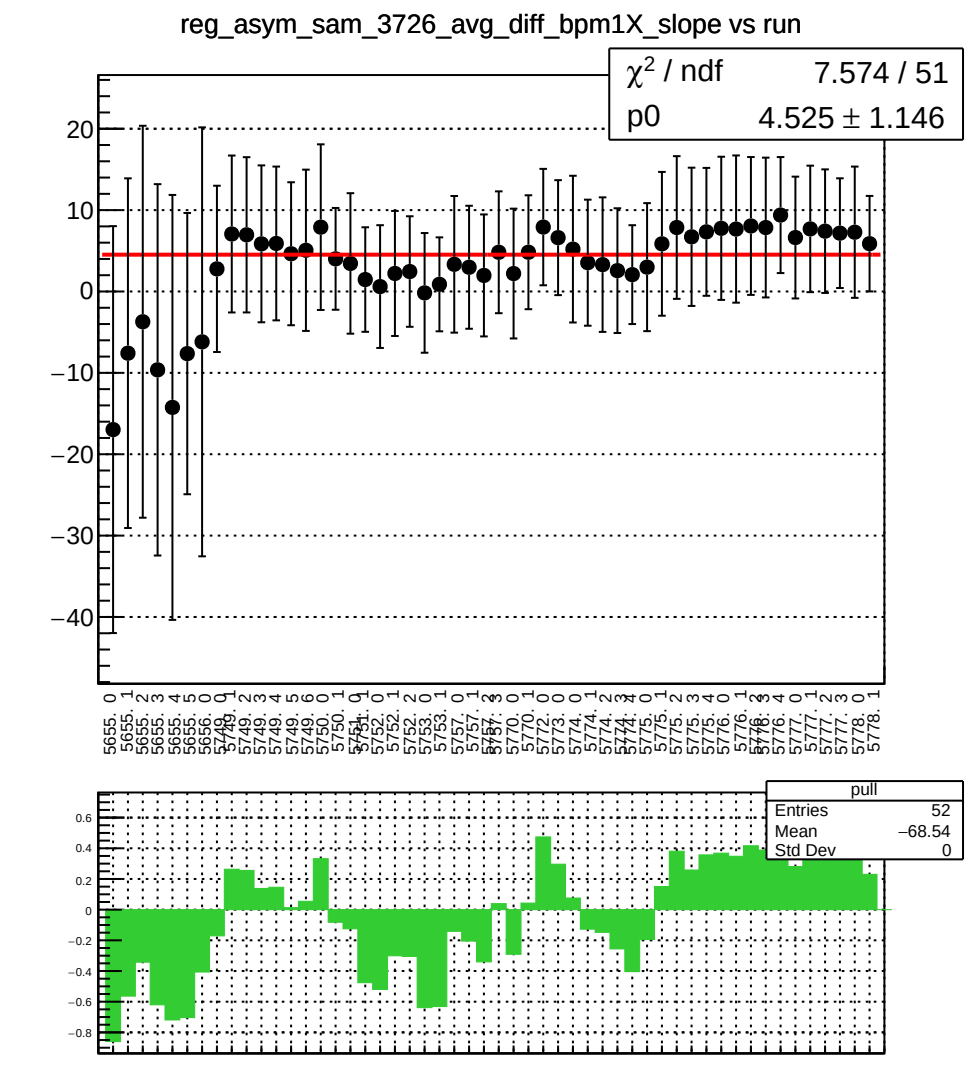

pull1D
Entries 52
Mean −0.01305
Std Dev 0.4833

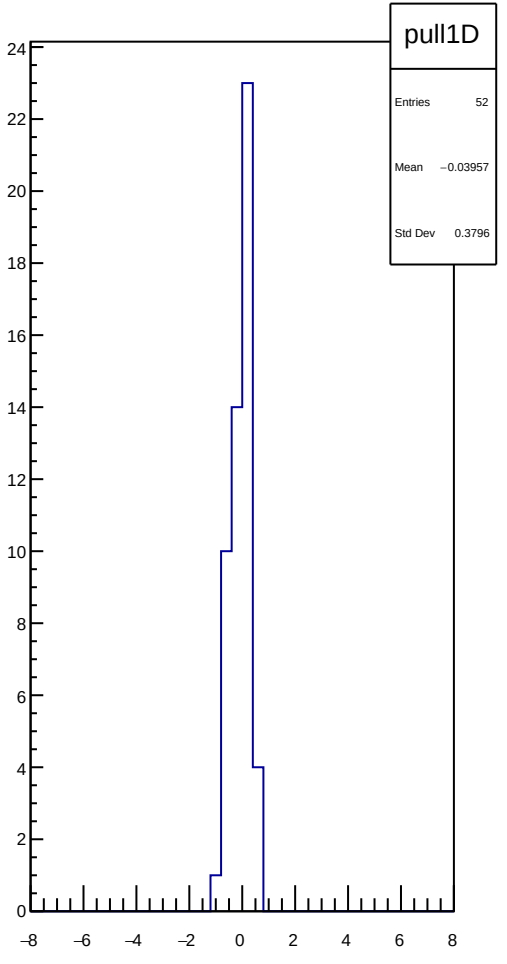

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 107 / 51
p0 −51.57 ± 1.911
pull
Entries 52
Mean 71.07
Std Dev 0

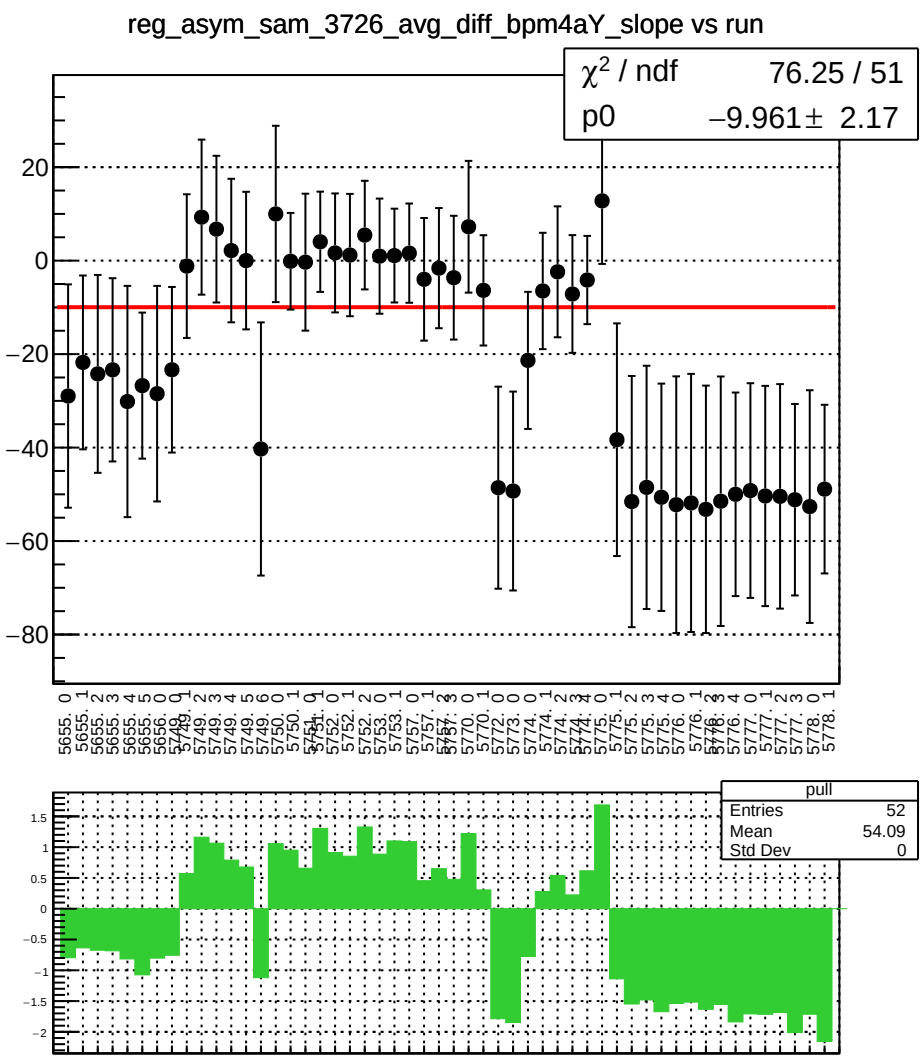

pull1D
Entries 52
Mean 0.2349
Std Dev 1.415

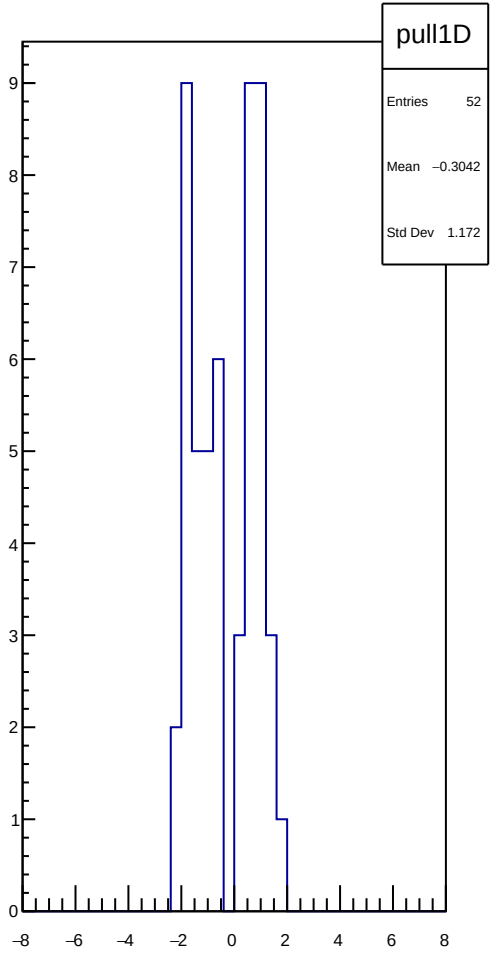

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 23.81 / 51
p0 0.9571± 0.1011
pull
Entries 52
Mean 19.58
Std Dev 0

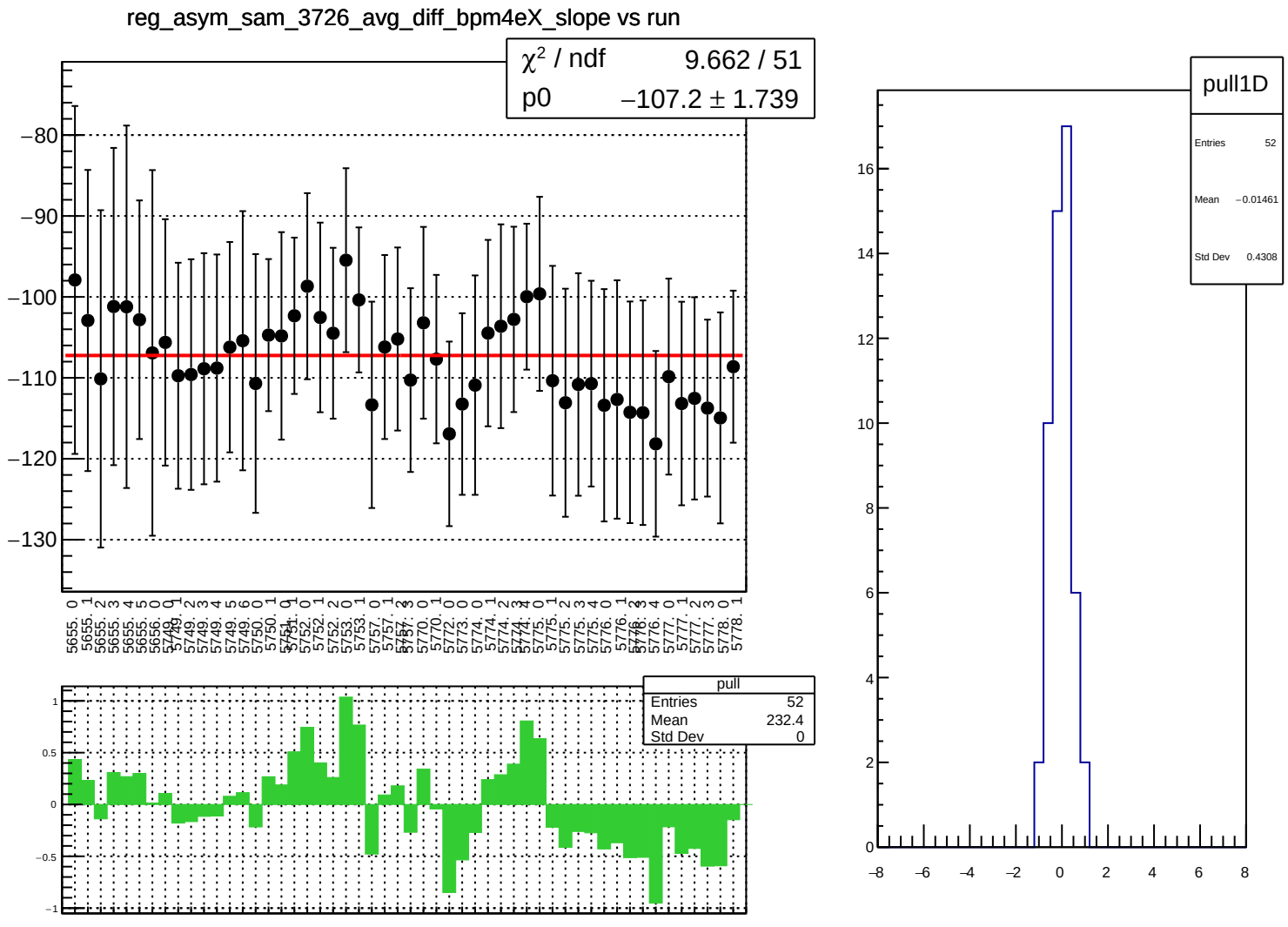

pull1D
Entries 52
Mean −0.0547
Std Dev 0.6744

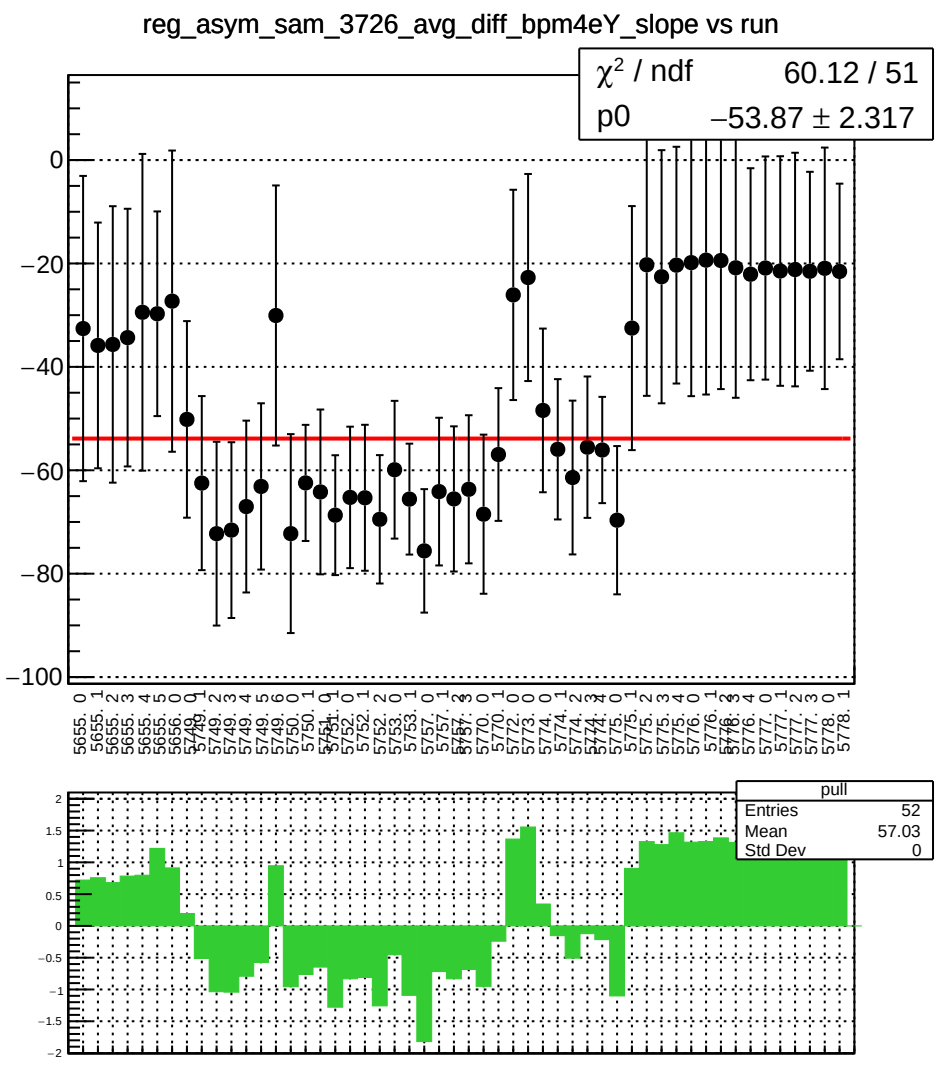

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 7.574 / 51
p0 4.525 ± 1.146
pull
Entries 52
Mean −68.54
Std Dev 0

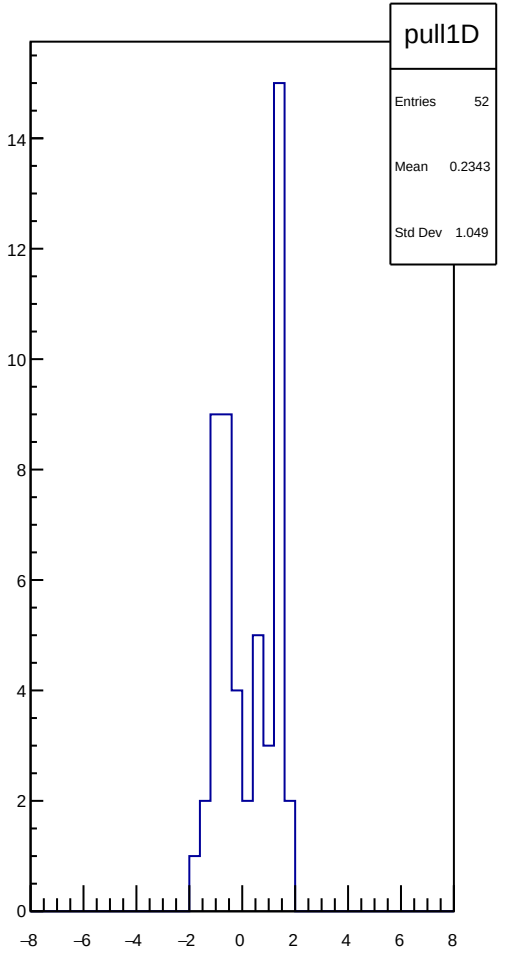

pull1D
Entries 52
Mean −0.03957
Std Dev 0.3796

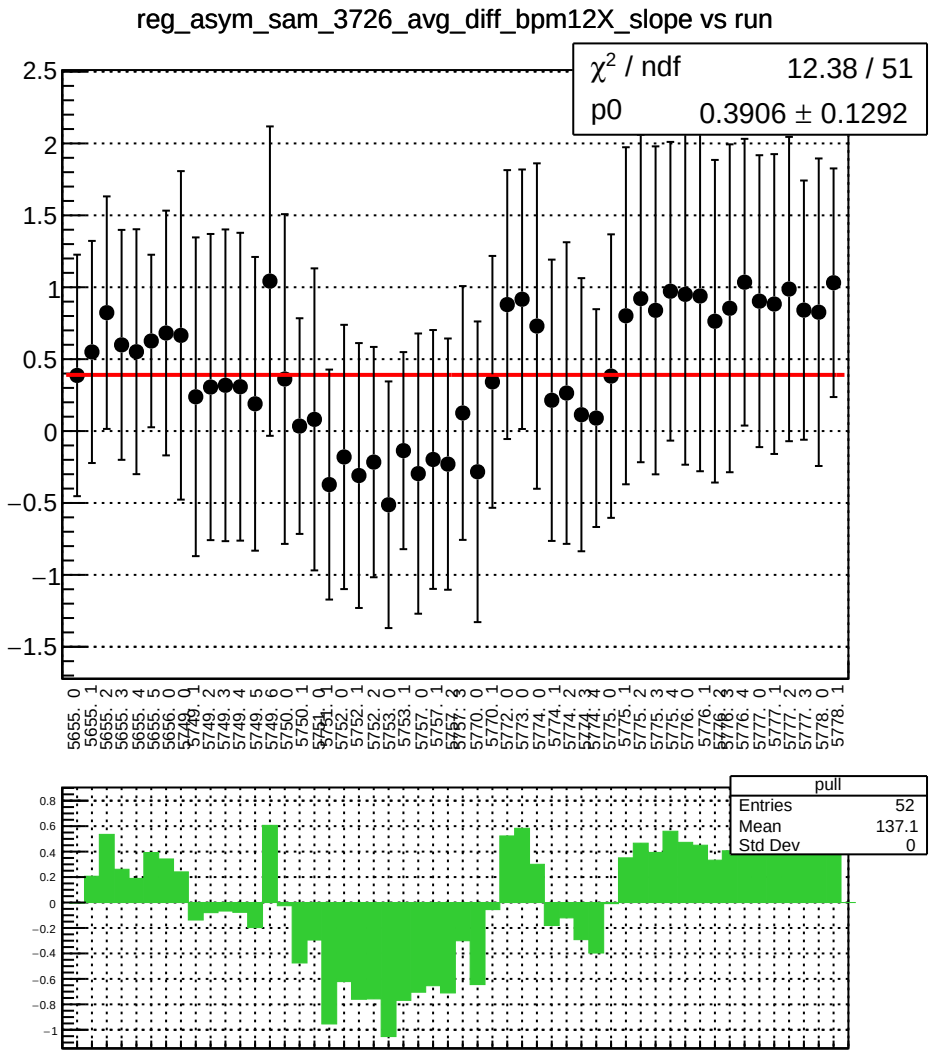

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 76.25 / 51
p0 −9.961± 2.17
pull
Entries 52
Mean 54.09
Std Dev 0

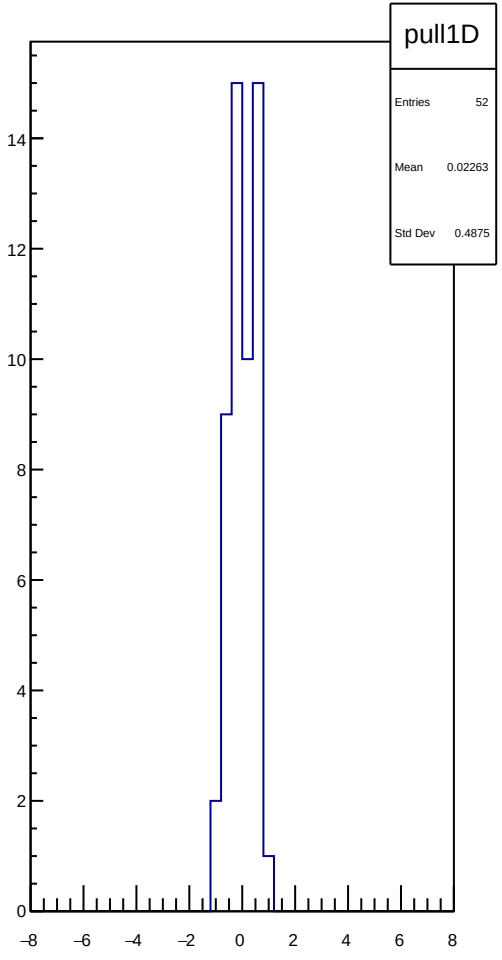

pull1D
Entries 52
Mean −0.3042
Std Dev 1.172

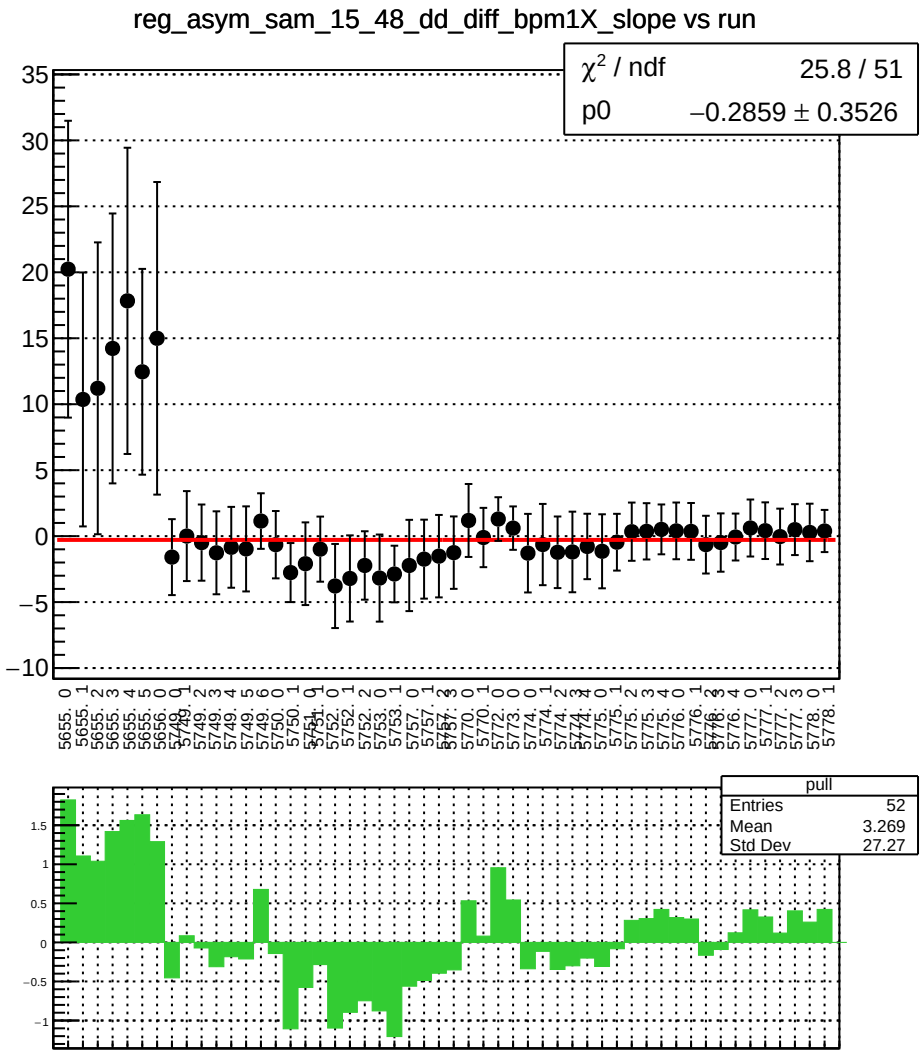

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.662 / 51
p0 −107.2 ± 1.739
pull
Entries 52
Mean 232.4
Std Dev 0
pull1D
Entries 52
Mean −0.01461
Std Dev 0.4308

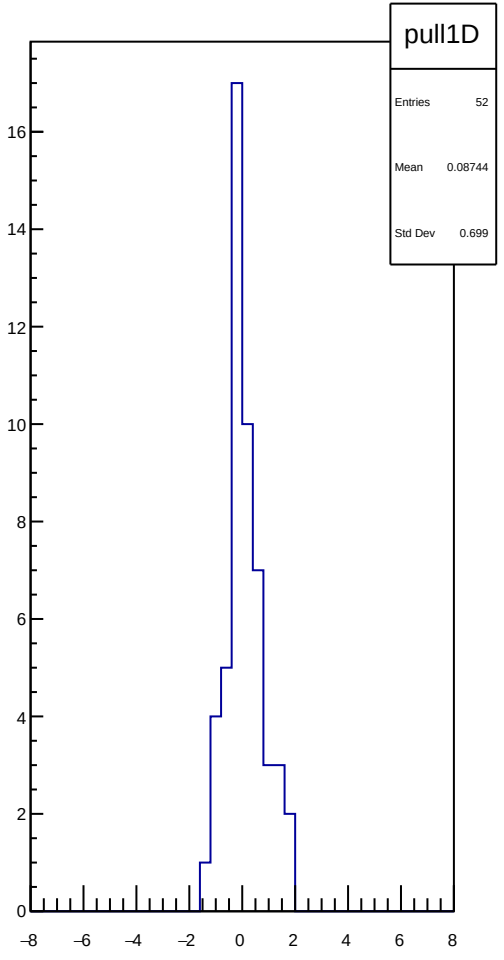

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 60.12 / 51
p0 −53.87 ± 2.317
pull
Entries 52
Mean 57.03
Std Dev 0

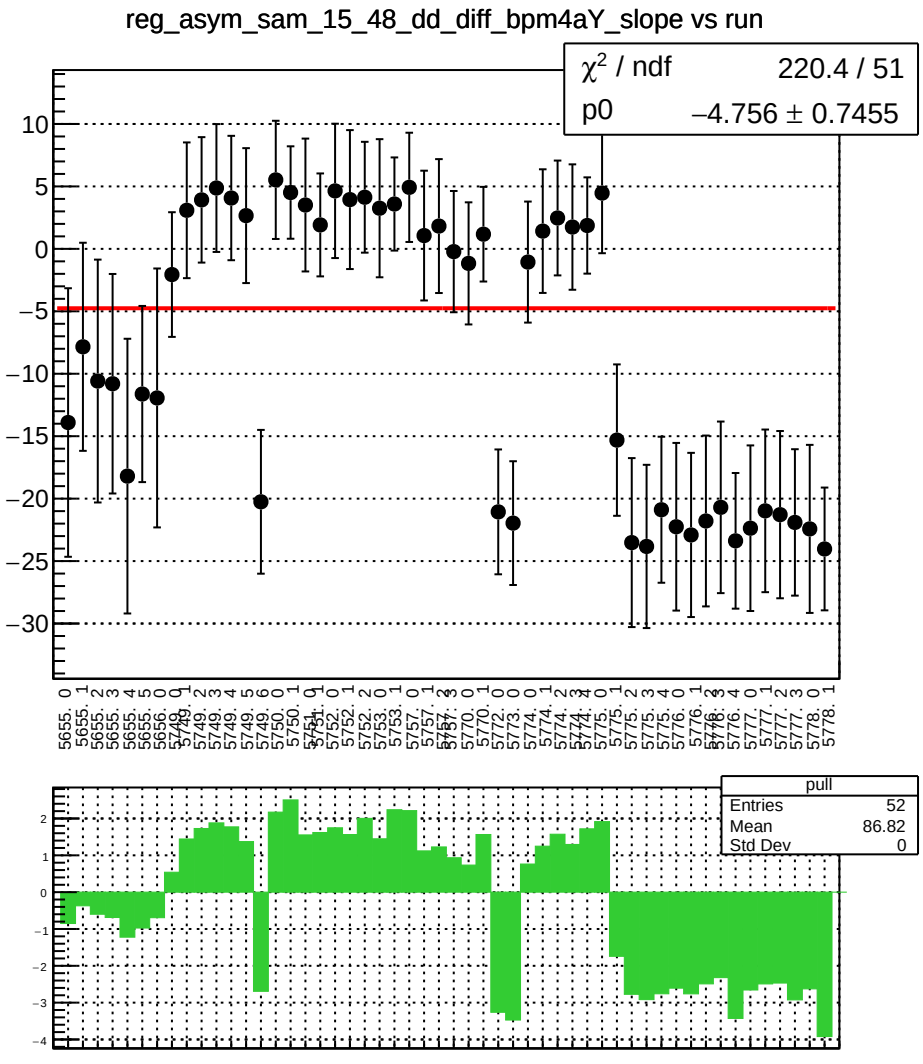

pull1D
Entries 52
Mean 0.2343
Std Dev 1.049

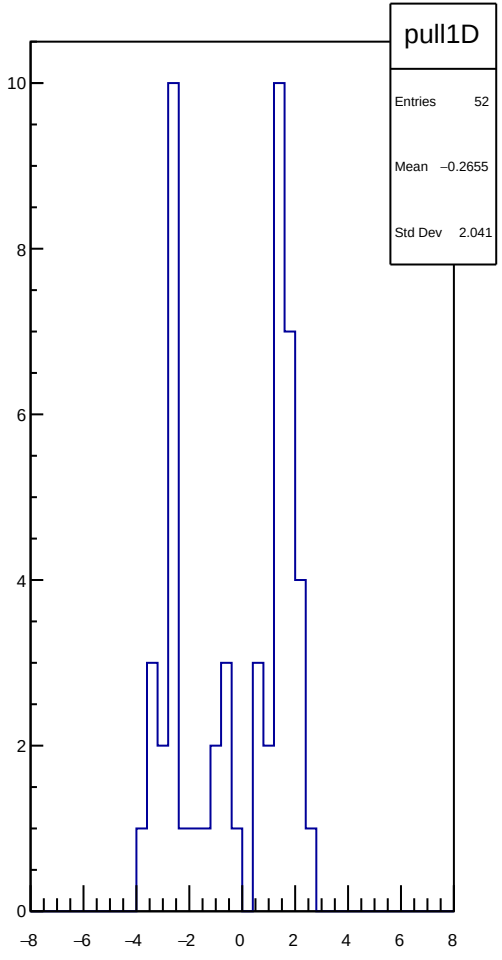

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 12.38 / 51
p0 0.3906 ± 0.1292
pull
Entries 52
Mean 137.1
Std Dev 0

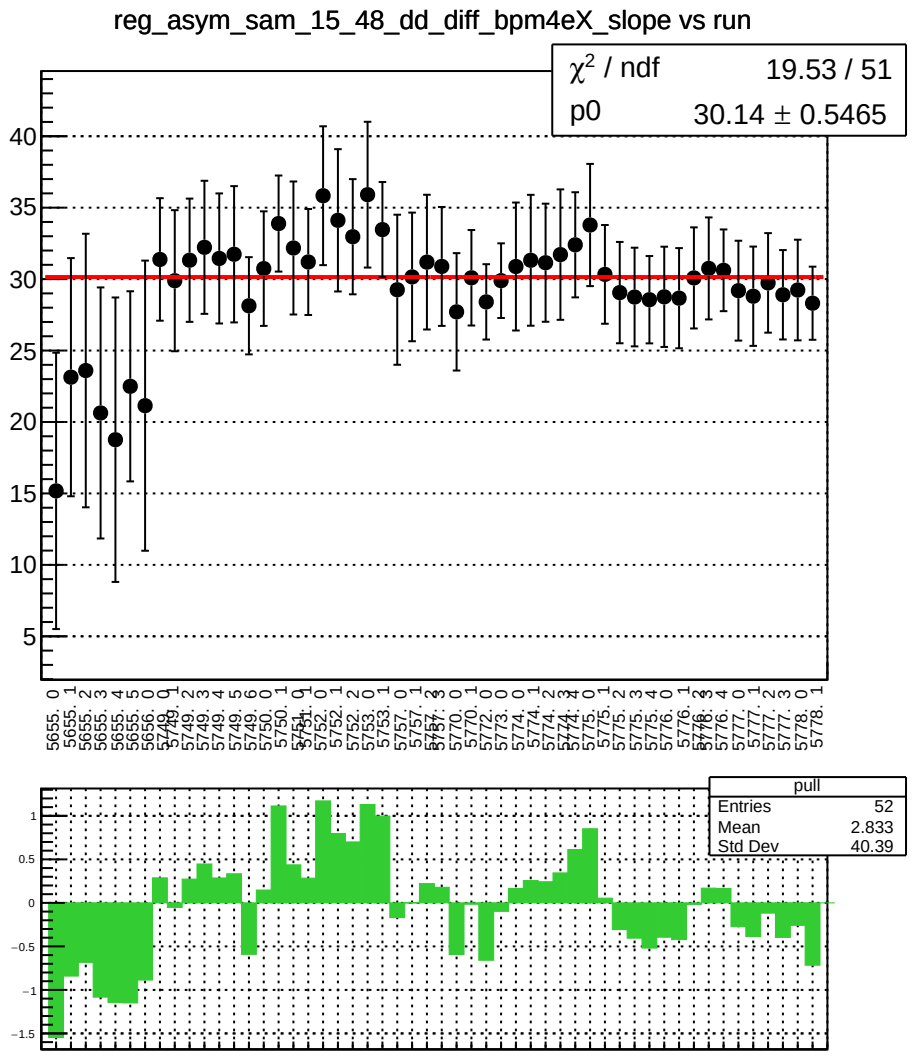

pull1D
Entries 52
Mean 0.02263
Std Dev 0.4875

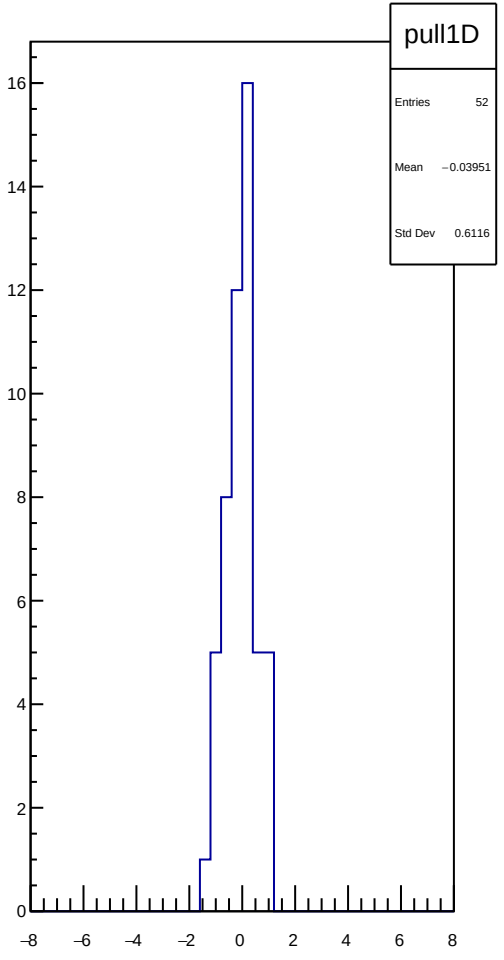

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 25.8 / 51
p0 −0.2859 ± 0.3526
pull
Entries 52
Mean 3.269
Std Dev 27.27

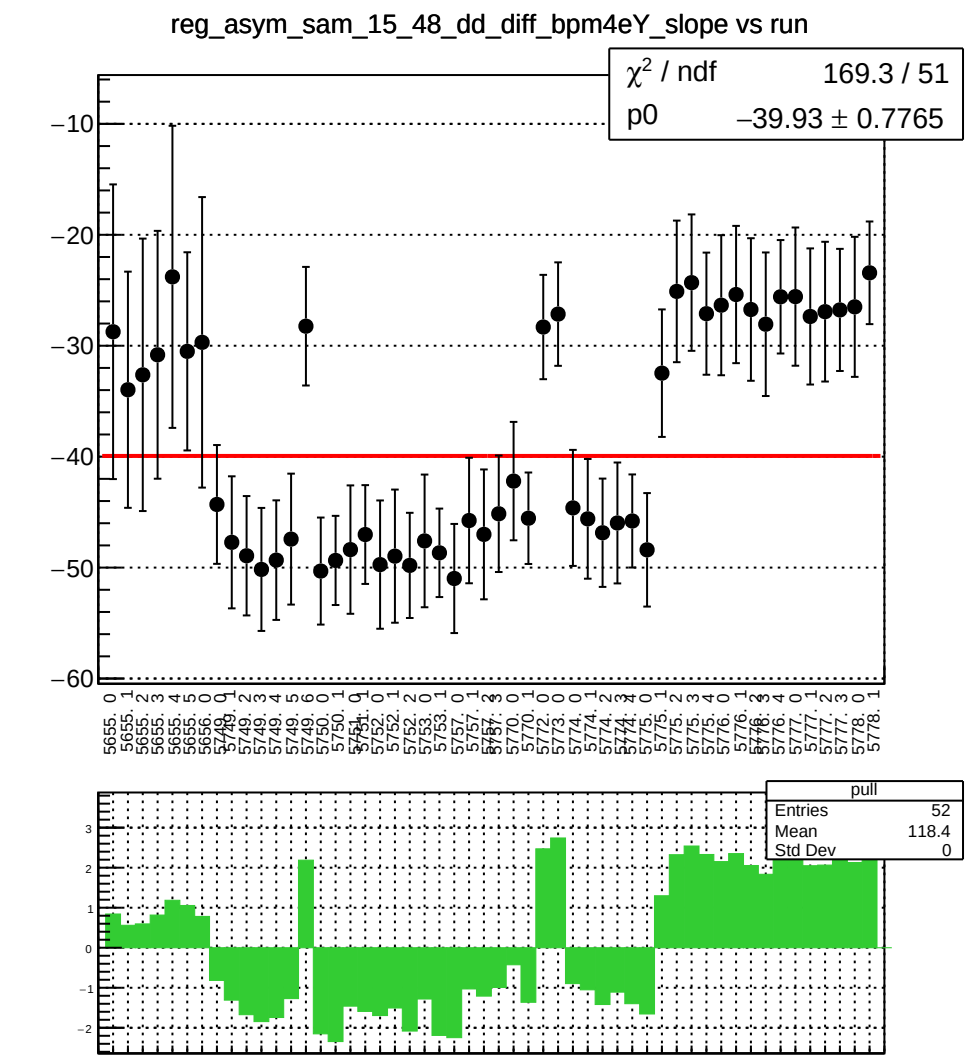

pull1D
Entries 52
Mean 0.08744
Std Dev 0.699

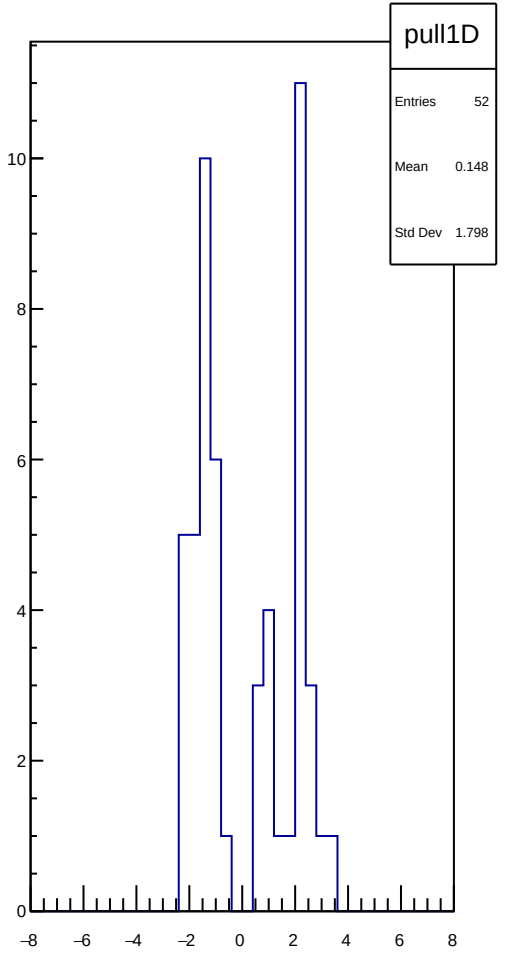

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 220.4 / 51
p0 −4.756 ± 0.7455
pull
Entries 52
Mean 86.82
Std Dev 0

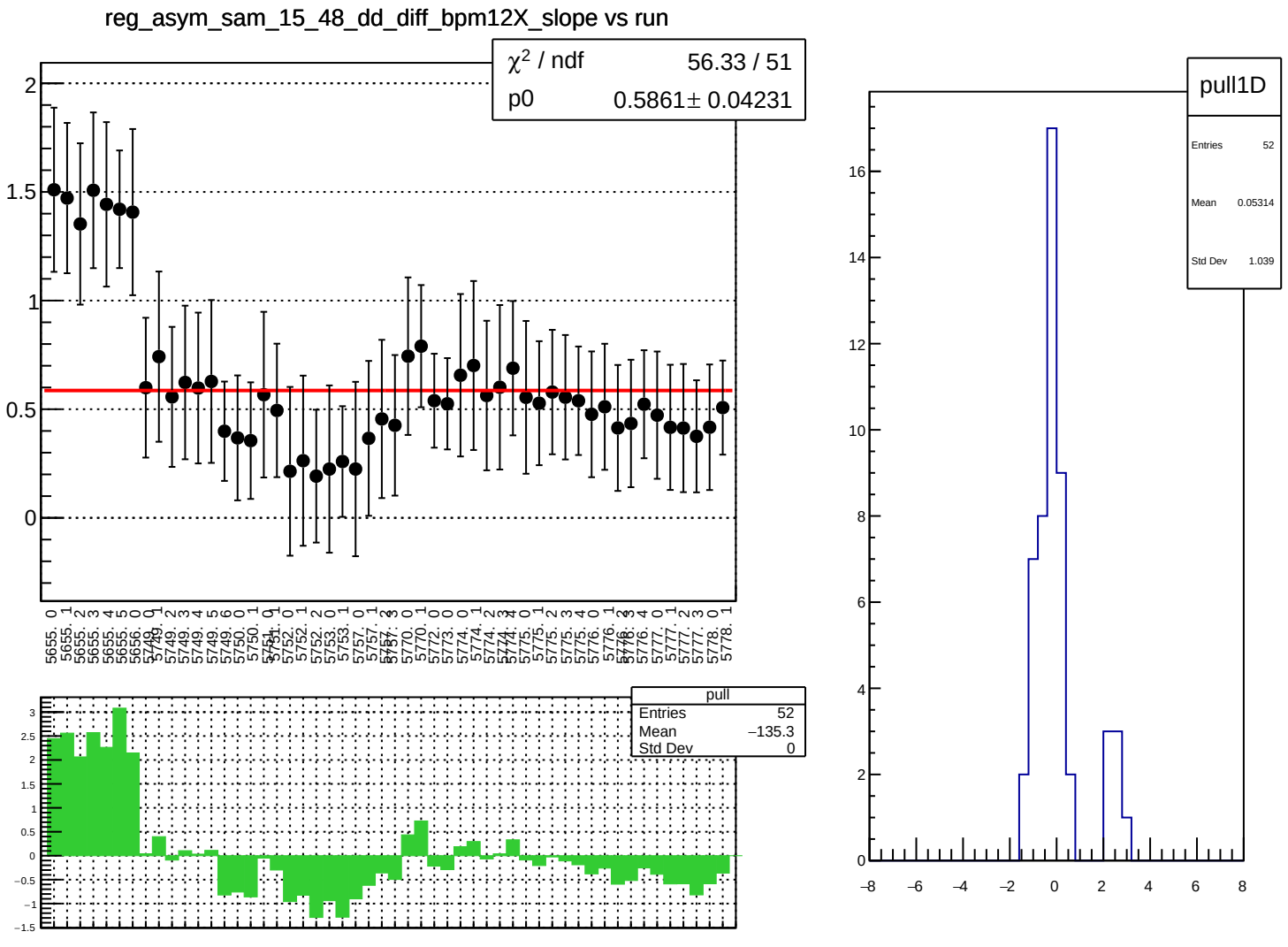

pull1D
Entries 52
Mean −0.2655
Std Dev 2.041

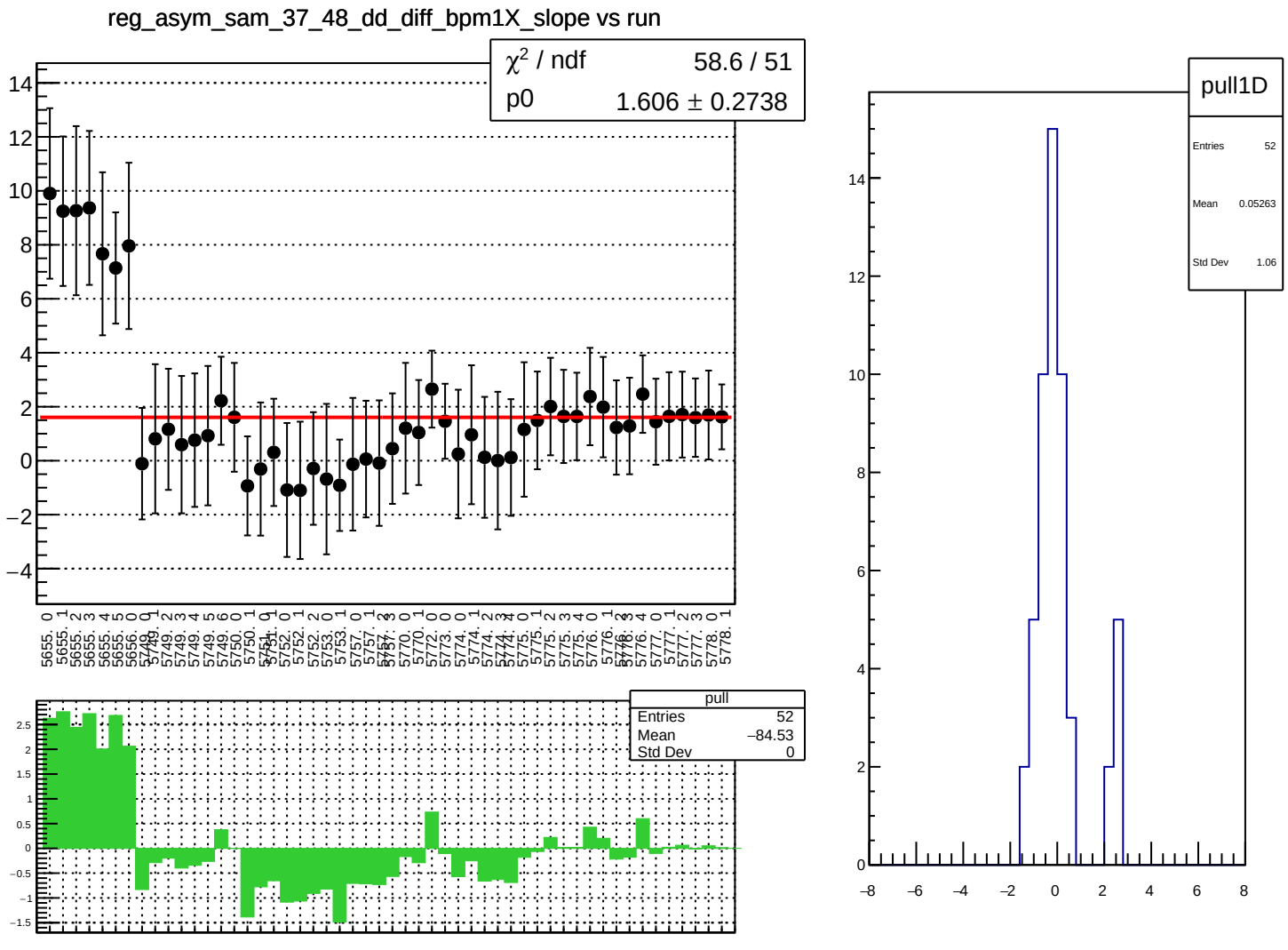

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.53 / 51
p0 30.14 ± 0.5465
pull
Entries 52
Mean 2.833
Std Dev 40.39

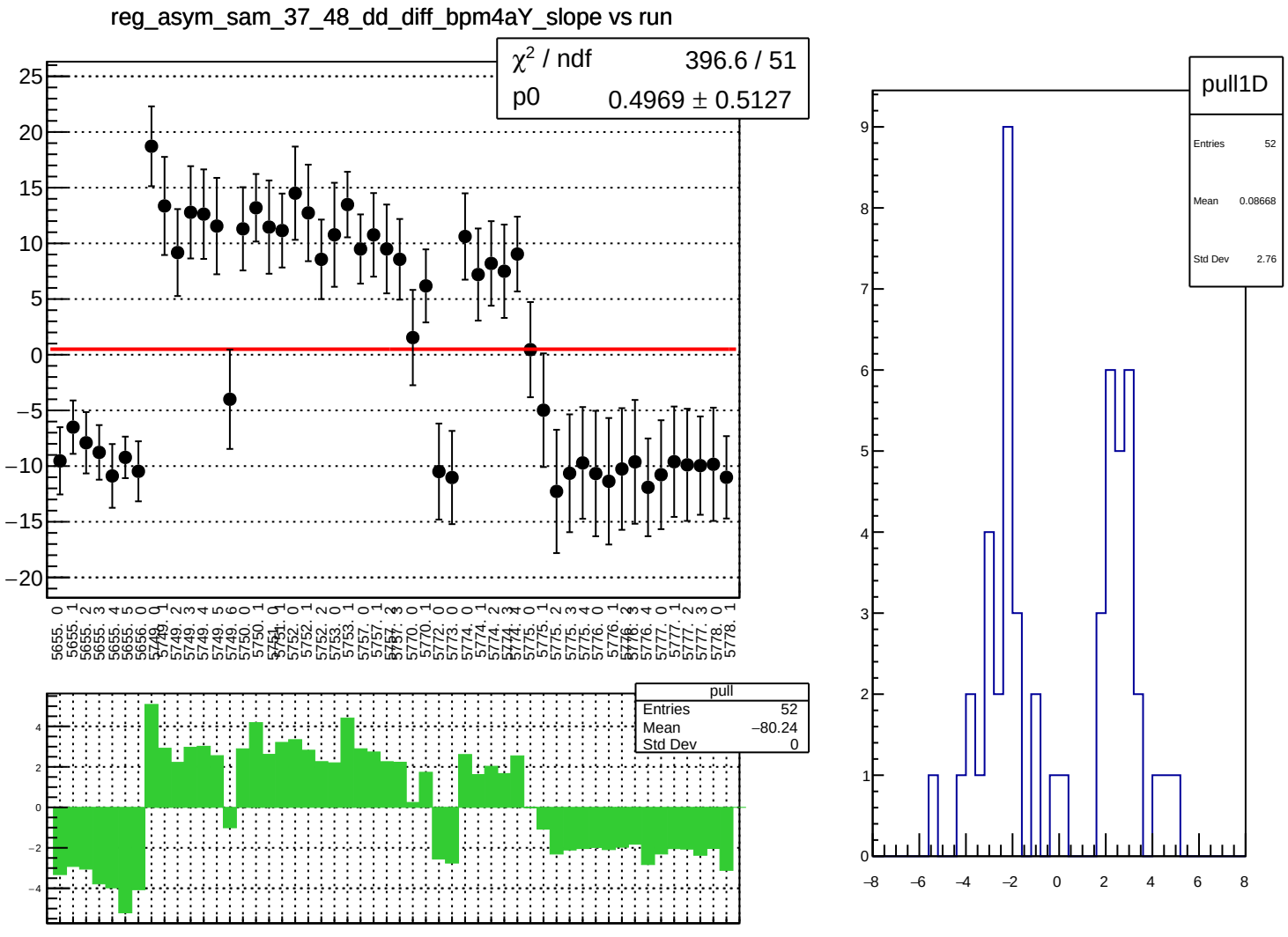

pull1D
Entries 52
Mean −0.03951
Std Dev 0.6116

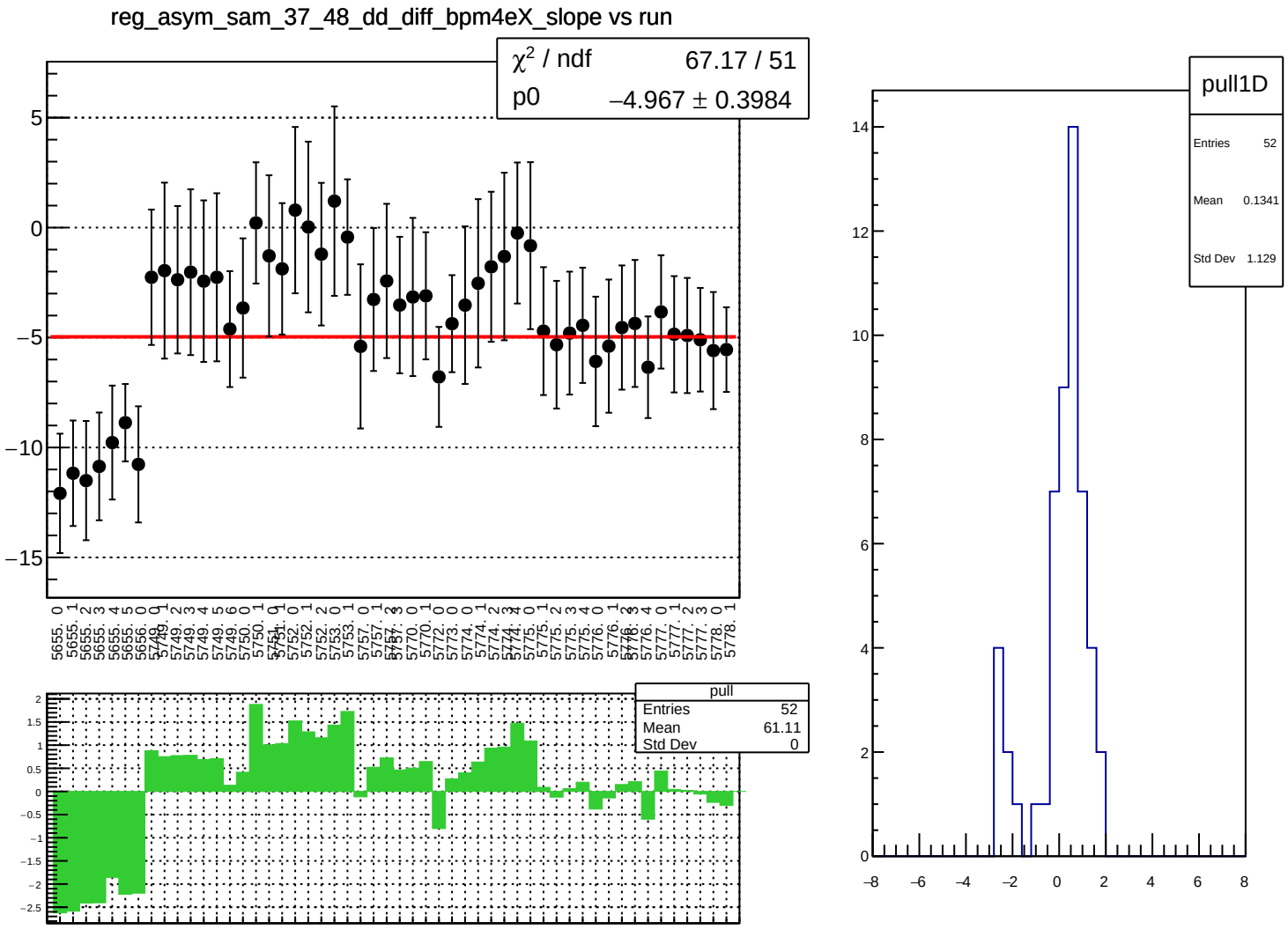

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 169.3 / 51
p0 −39.93 ± 0.7765
pull
Entries 52
Mean 118.4
Std Dev 0

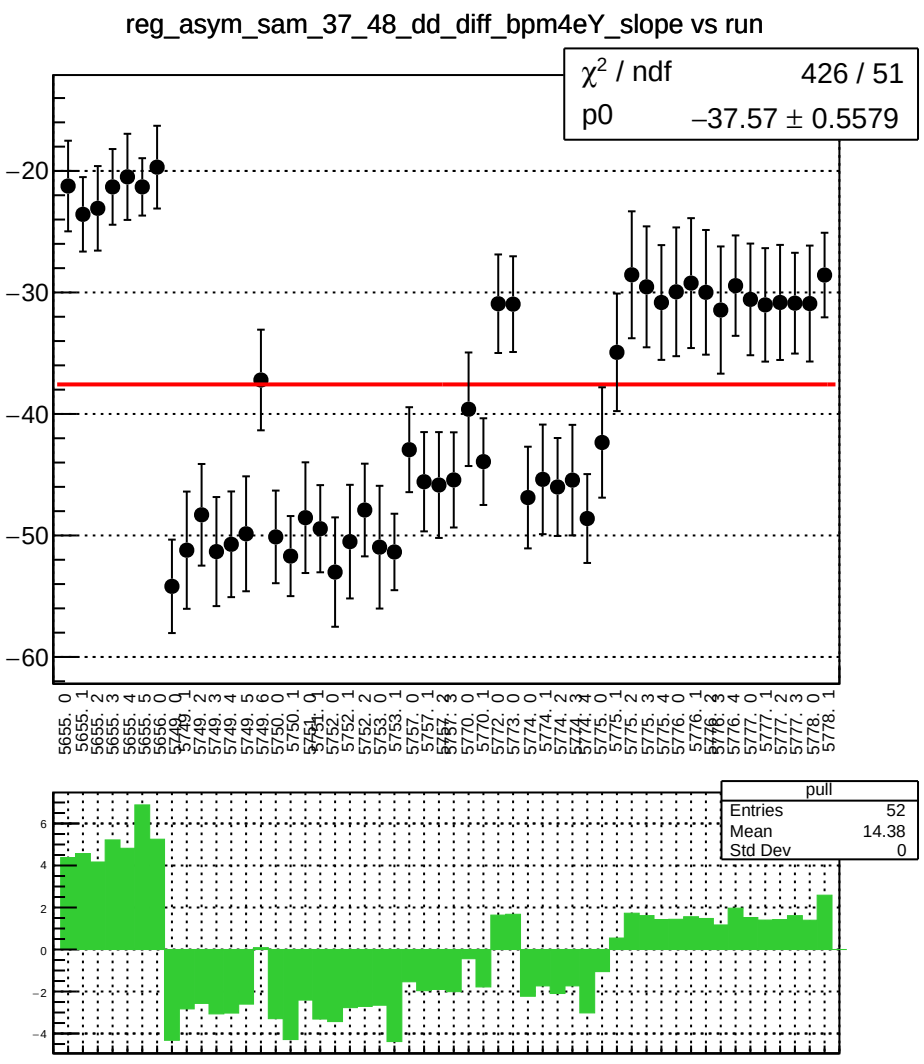

pull1D
Entries 52
Mean 0.148
Std Dev 1.798

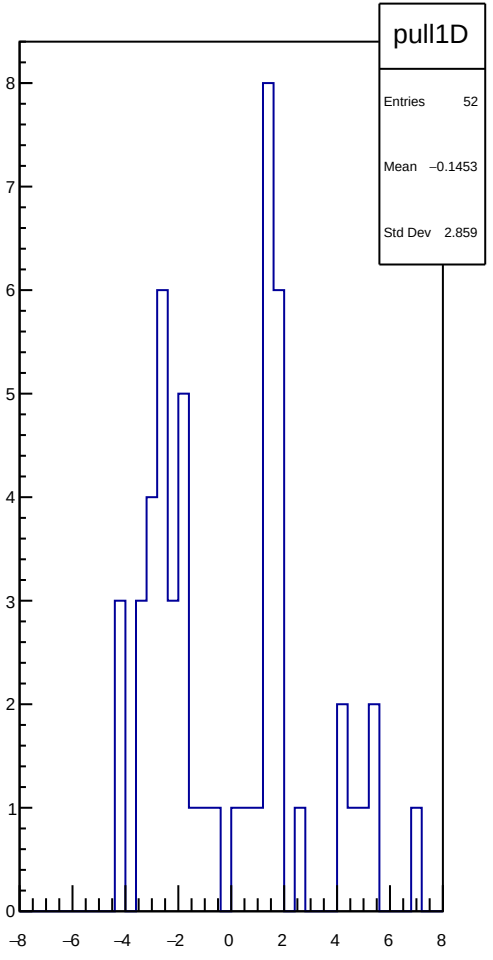

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 56.33 / 51
p0 0.5861± 0.04231
pull
Entries 52
Mean −135.3
Std Dev 0
pull1D
Entries 52
Mean 0.05314
Std Dev 1.039

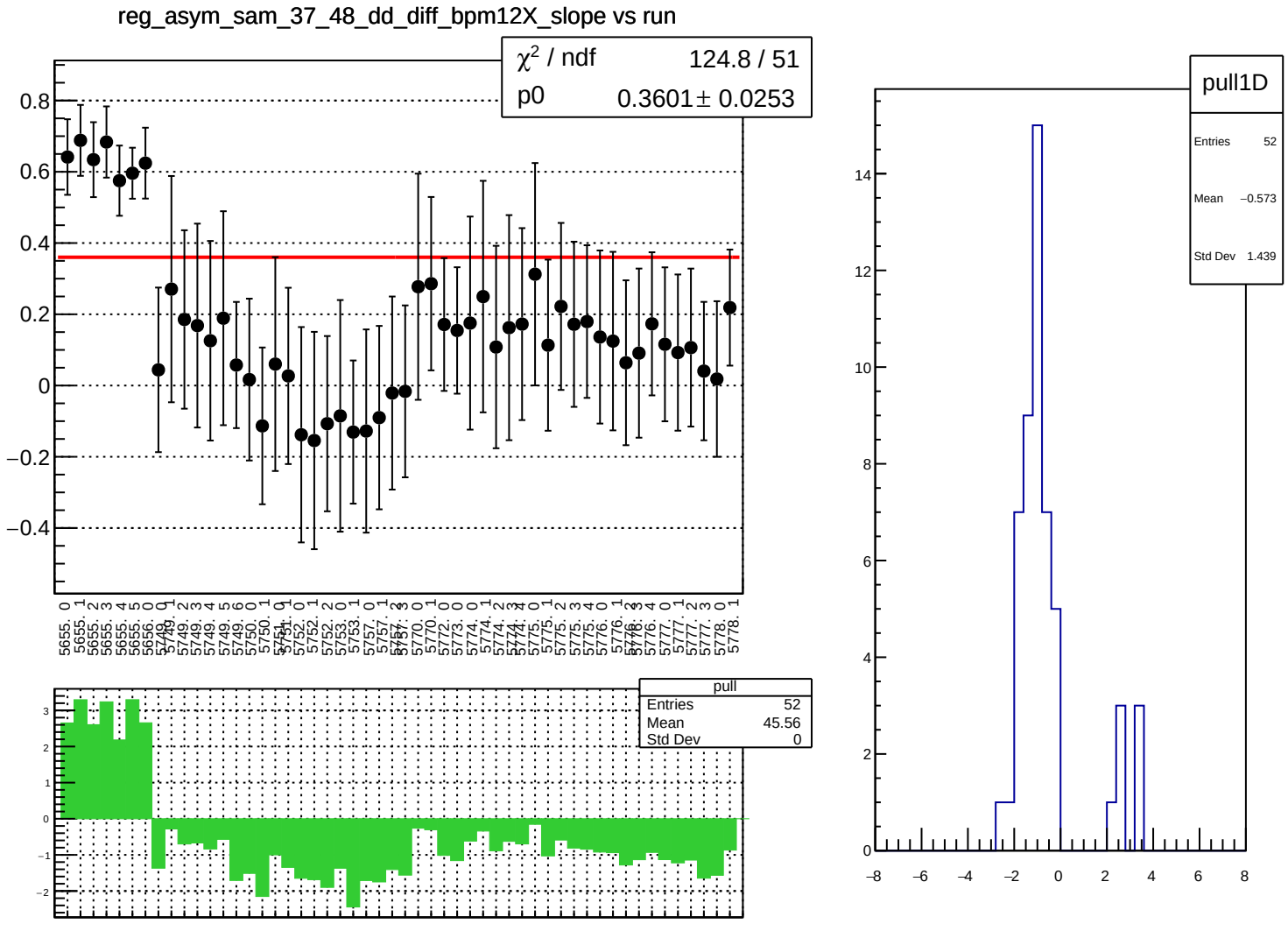

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 58.6 / 51
p0 1.606 ± 0.2738
pull
Entries 52
Mean −84.53
Std Dev 0
pull1D
Entries 52
Mean 0.05263
Std Dev 1.06

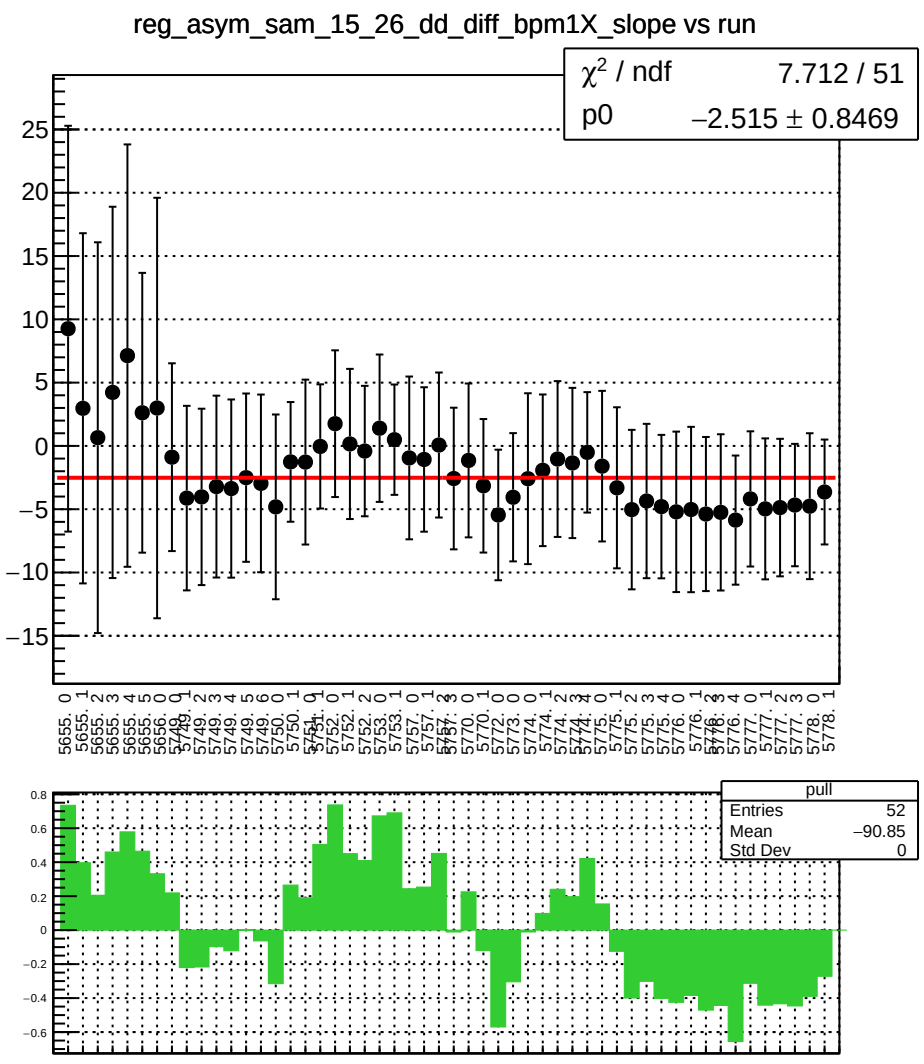

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 396.6 / 51
p0 0.4969 ± 0.5127
pull
Entries 52
Mean −80.24
Std Dev 0
pull1D
Entries 52
Mean 0.08668
Std Dev 2.76

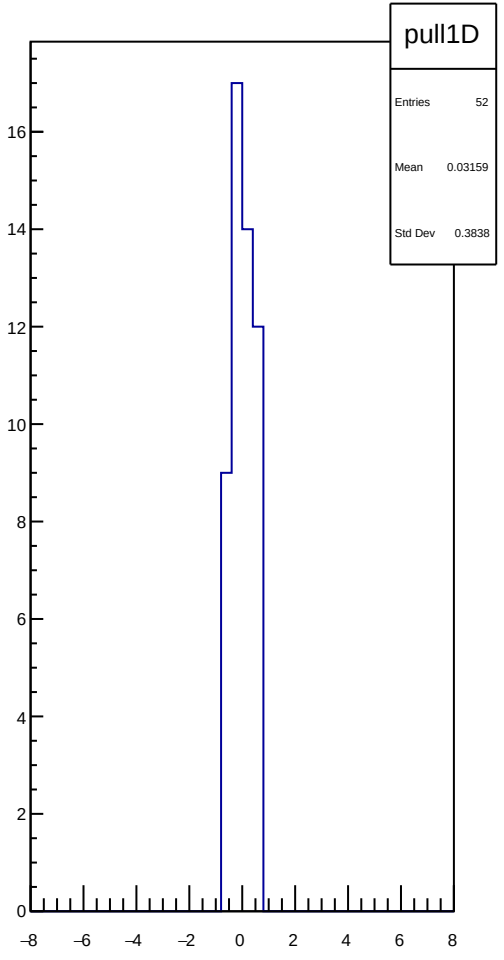

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 67.17 / 51
p0 −4.967 ± 0.3984
pull
Entries 52
Mean 61.11
Std Dev 0
pull1D
Entries 52
Mean 0.1341
Std Dev 1.129

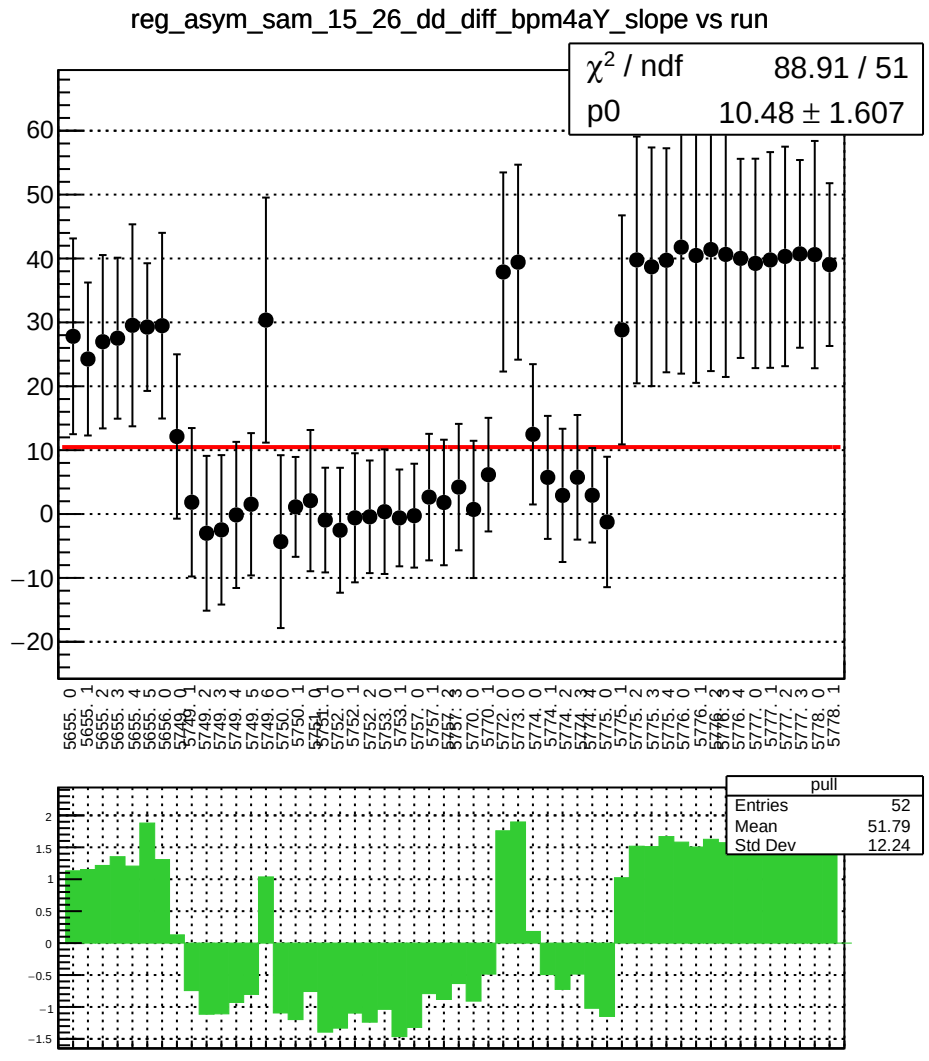

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 426 / 51
p0 −37.57 ± 0.5579
pull
Entries 52
Mean 14.38
Std Dev 0

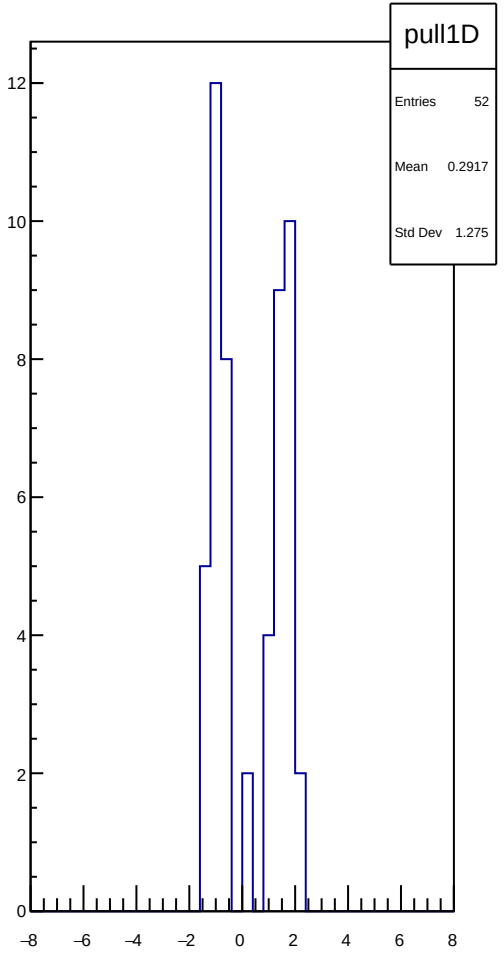

pull1D
Entries 52
Mean −0.1453
Std Dev 2.859

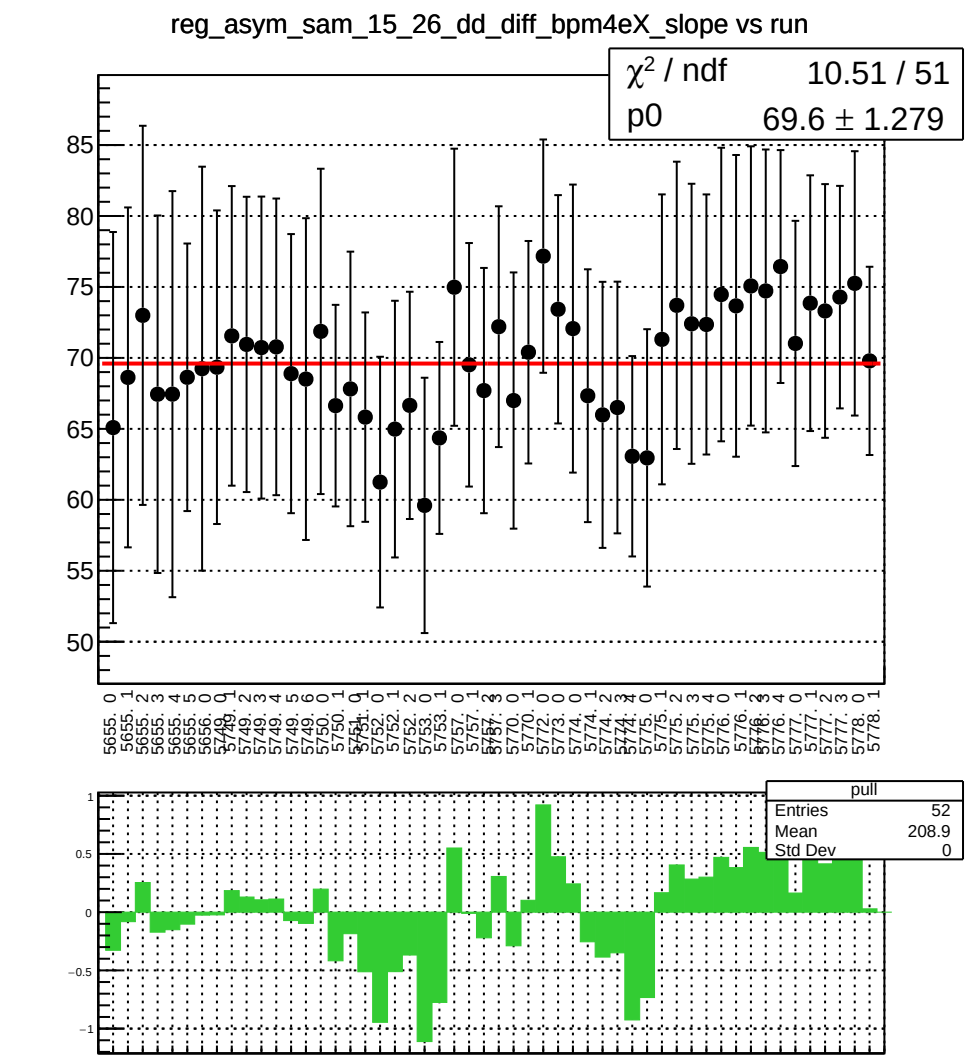

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 124.8 / 51
p0 0.3601± 0.0253
pull
Entries 52
Mean 45.56
Std Dev 0
pull1D
Entries 52
Mean −0.573
Std Dev 1.439

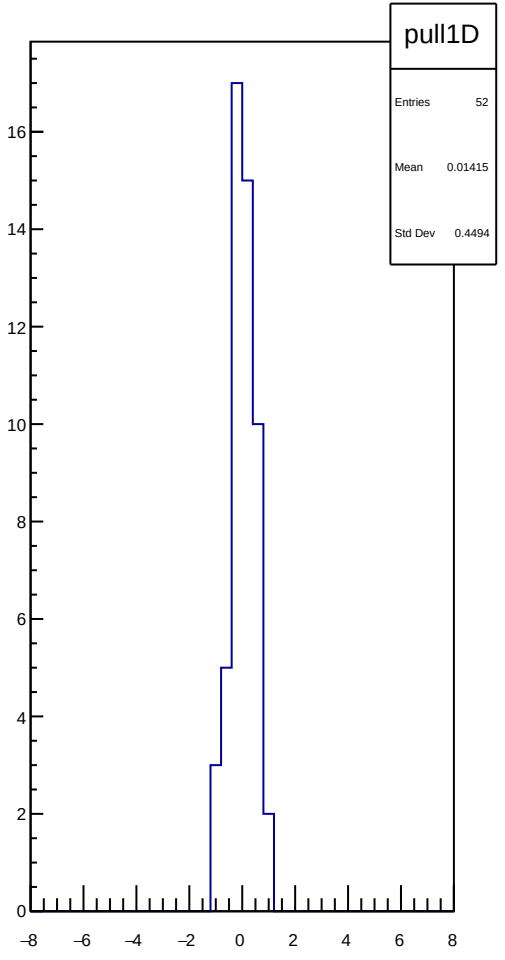

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 7.712 / 51
p0 −2.515 ± 0.8469
pull
Entries 52
Mean −90.85
Std Dev 0

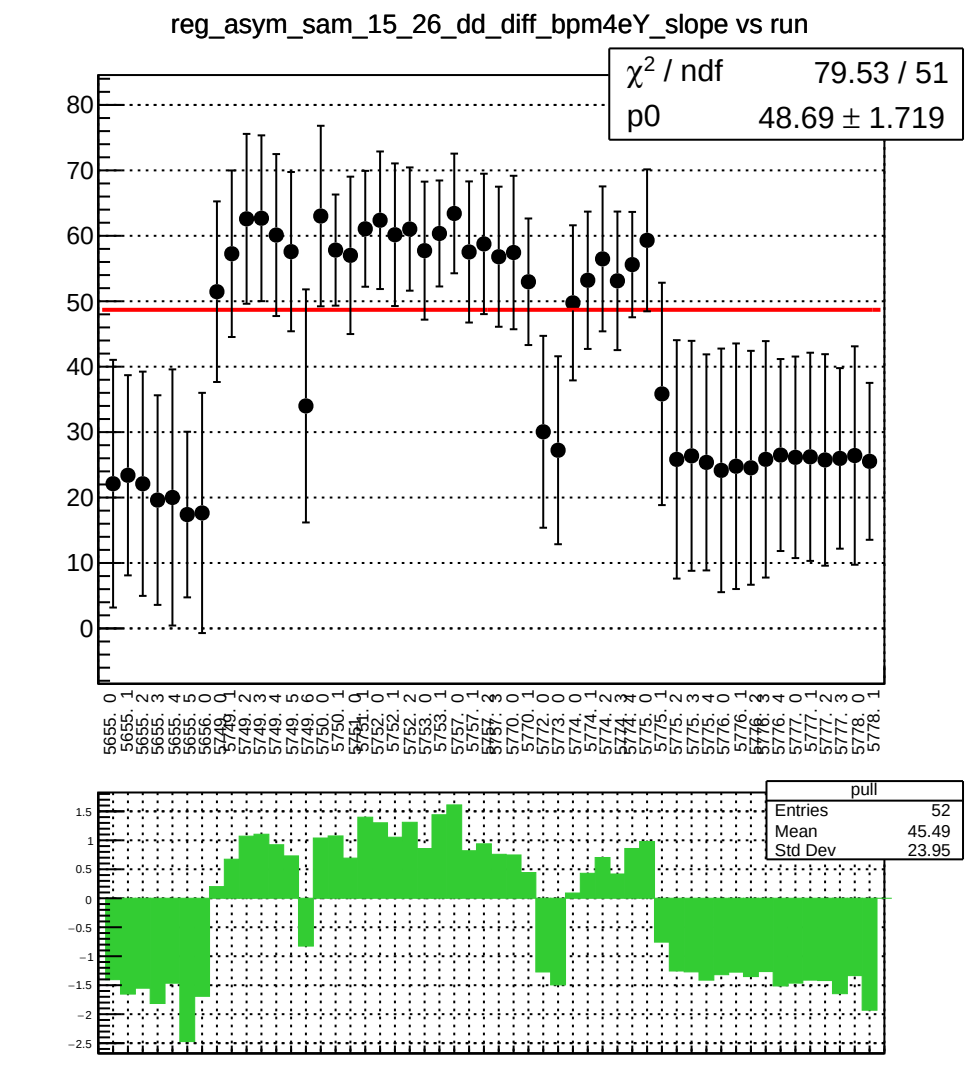

pull1D
Entries 52
Mean 0.03159
Std Dev 0.3838

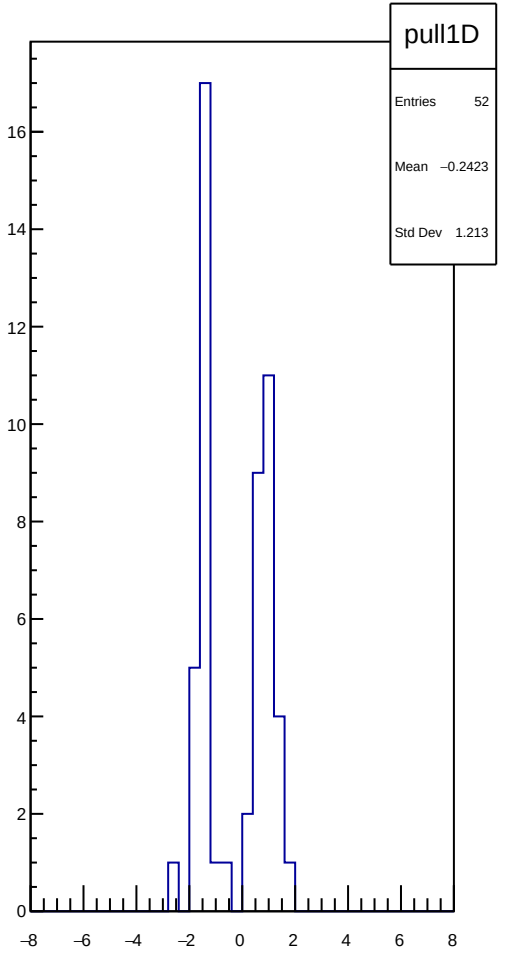

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 88.91 / 51
p0 10.48 ± 1.607
pull
Entries 52
Mean 51.79
Std Dev 12.24

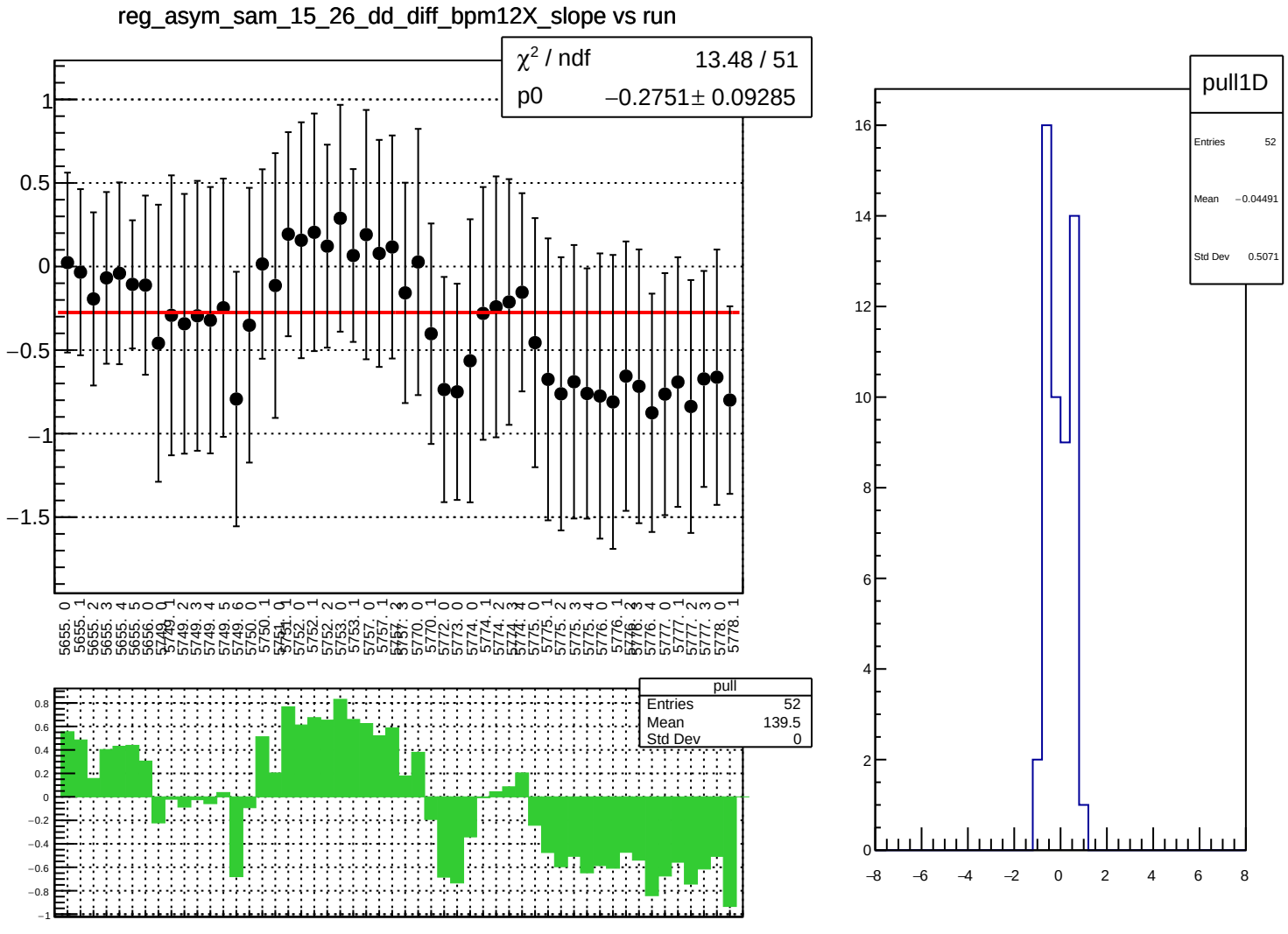

pull1D
Entries 52
Mean 0.2917
Std Dev 1.275

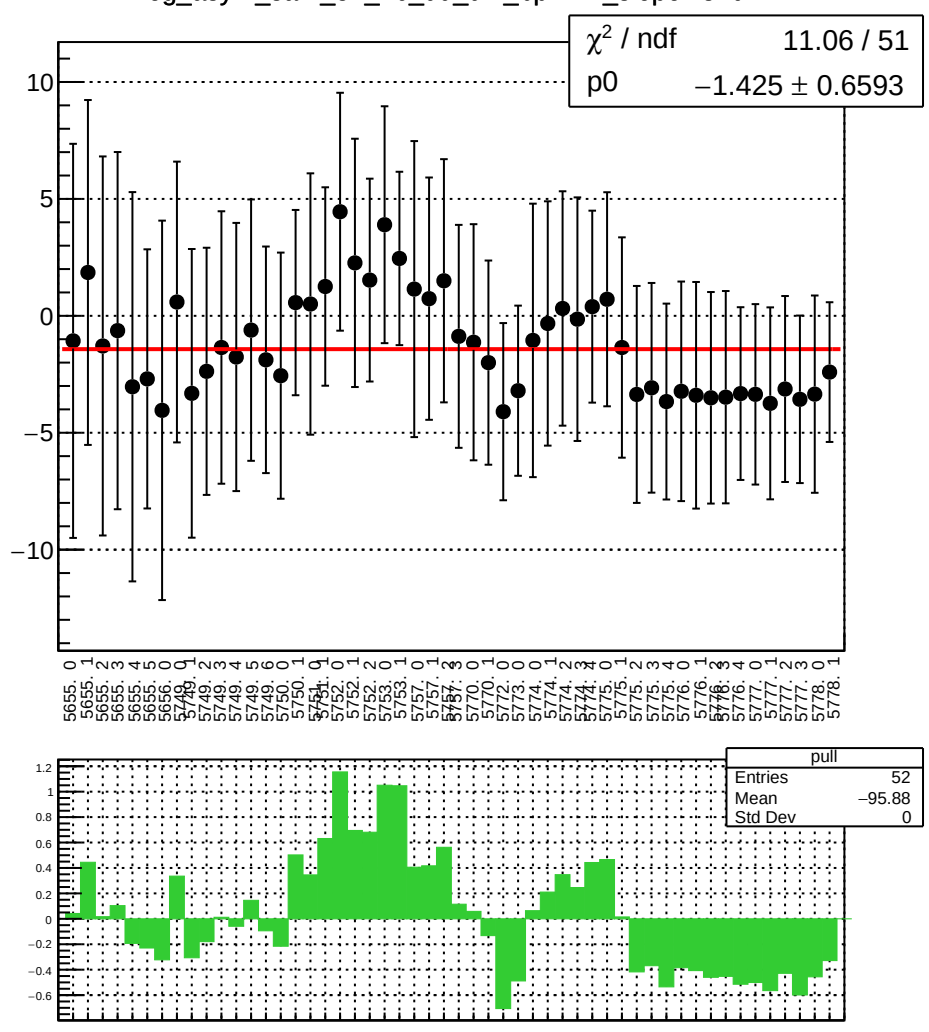

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.51 / 51
p0 69.6 ± 1.279
pull
Entries 52
Mean 208.9
Std Dev 0

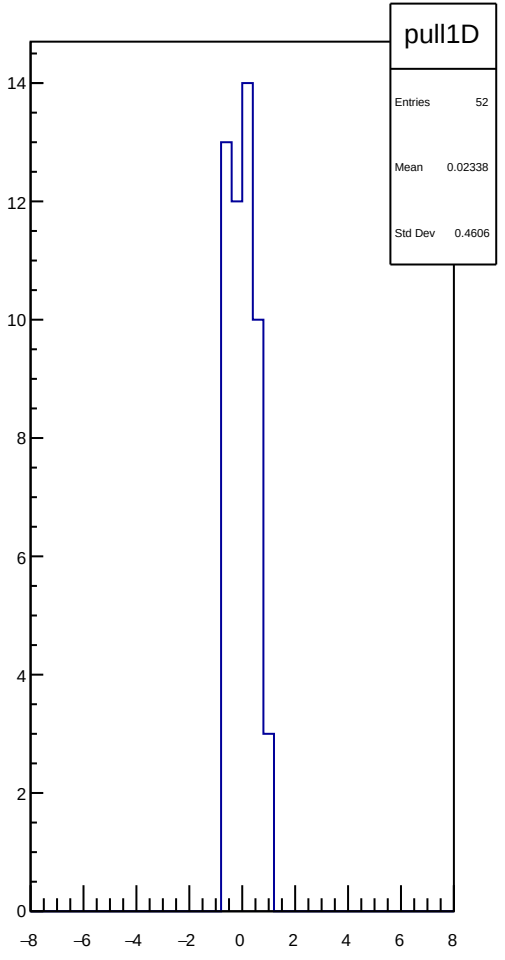

pull1D
Entries 52
Mean 0.01415
Std Dev 0.4494

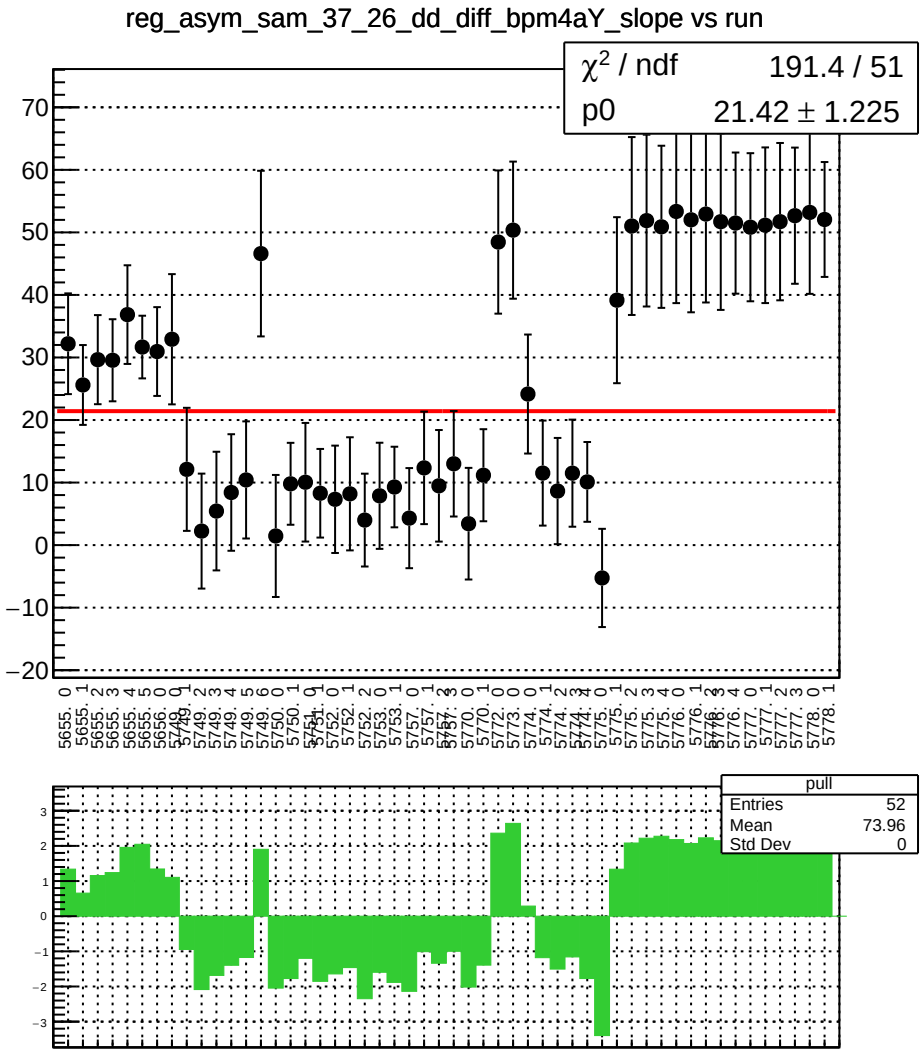

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 79.53 / 51
p0 48.69 ± 1.719
pull
Entries 52
Mean 45.49
Std Dev 23.95

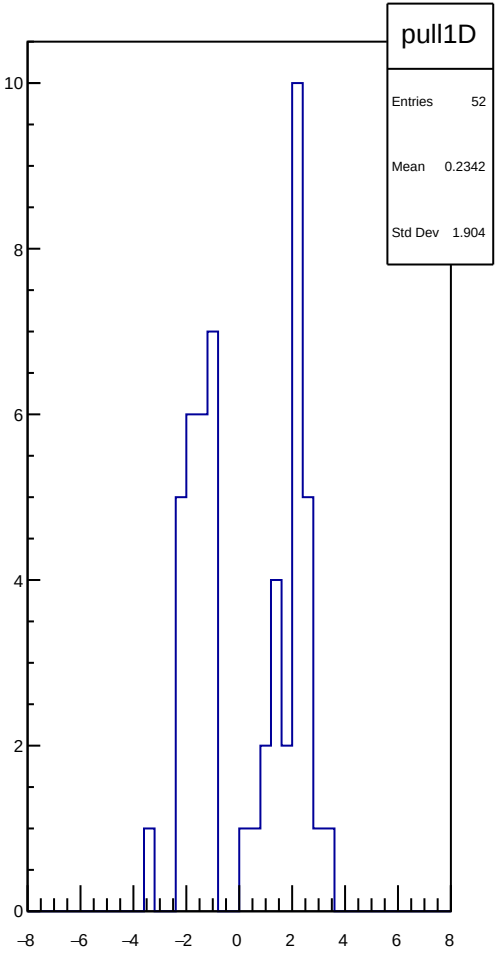

pull1D
Entries 52
Mean −0.2423
Std Dev 1.213

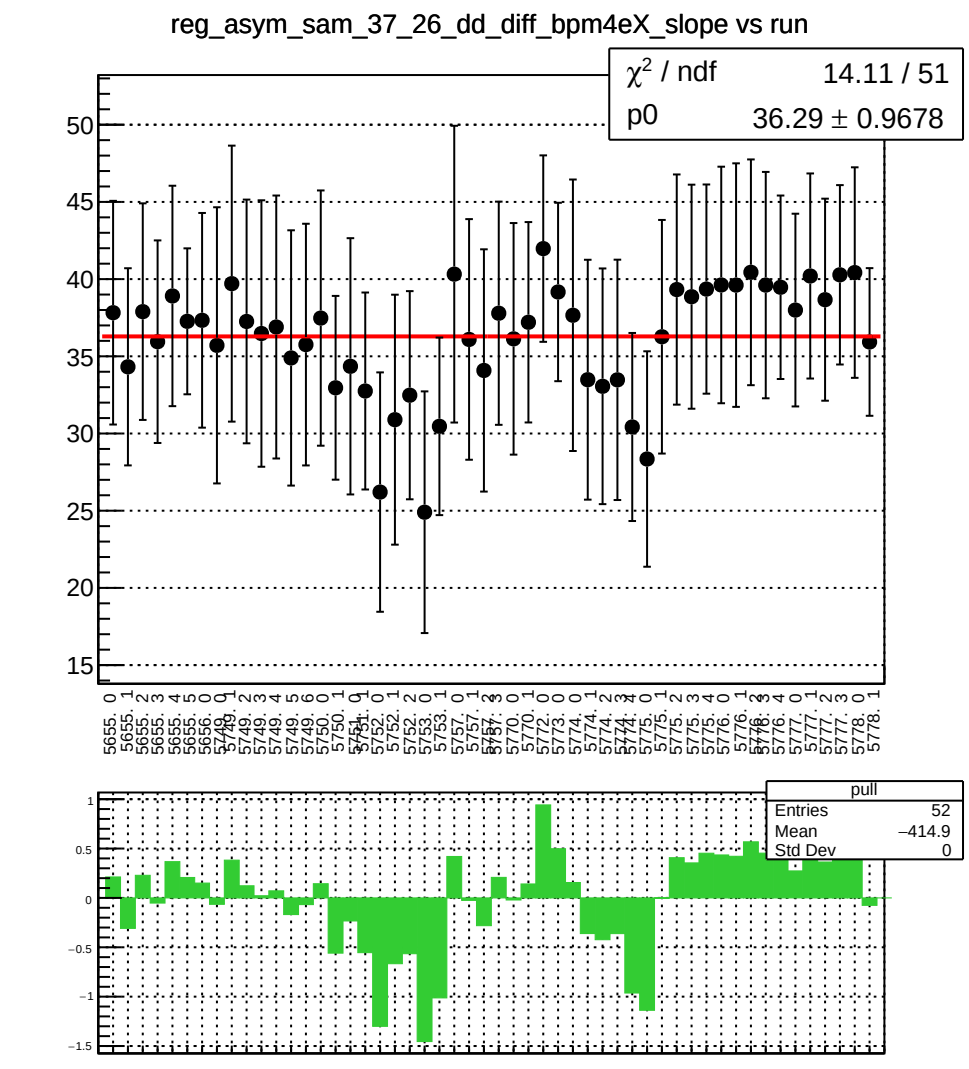

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 13.48 / 51
p0 −0.2751± 0.09285
pull
Entries 52
Mean 139.5
Std Dev 0
pull1D
Entries 52
Mean −0.04491
Std Dev 0.5071

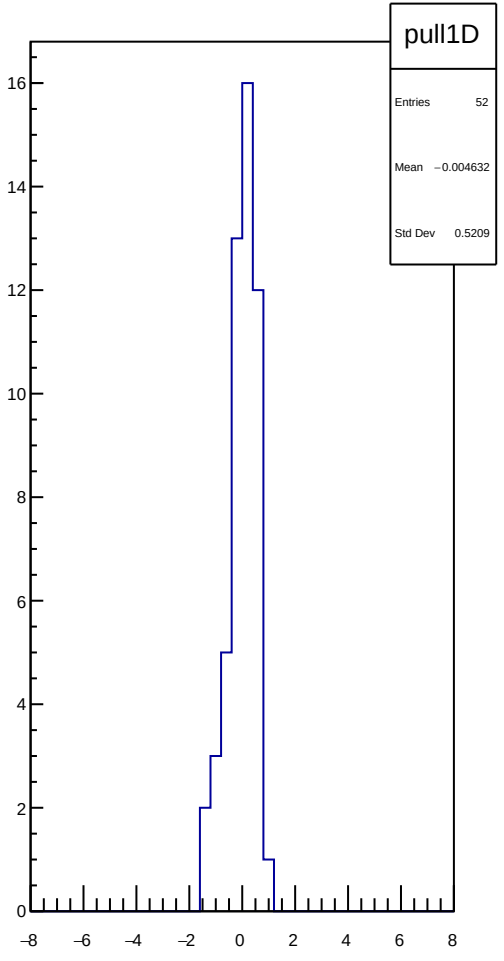

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 11.06 / 51
p0 −1.425 ± 0.6593
pull
Entries 52
Mean −95.88
Std Dev 0

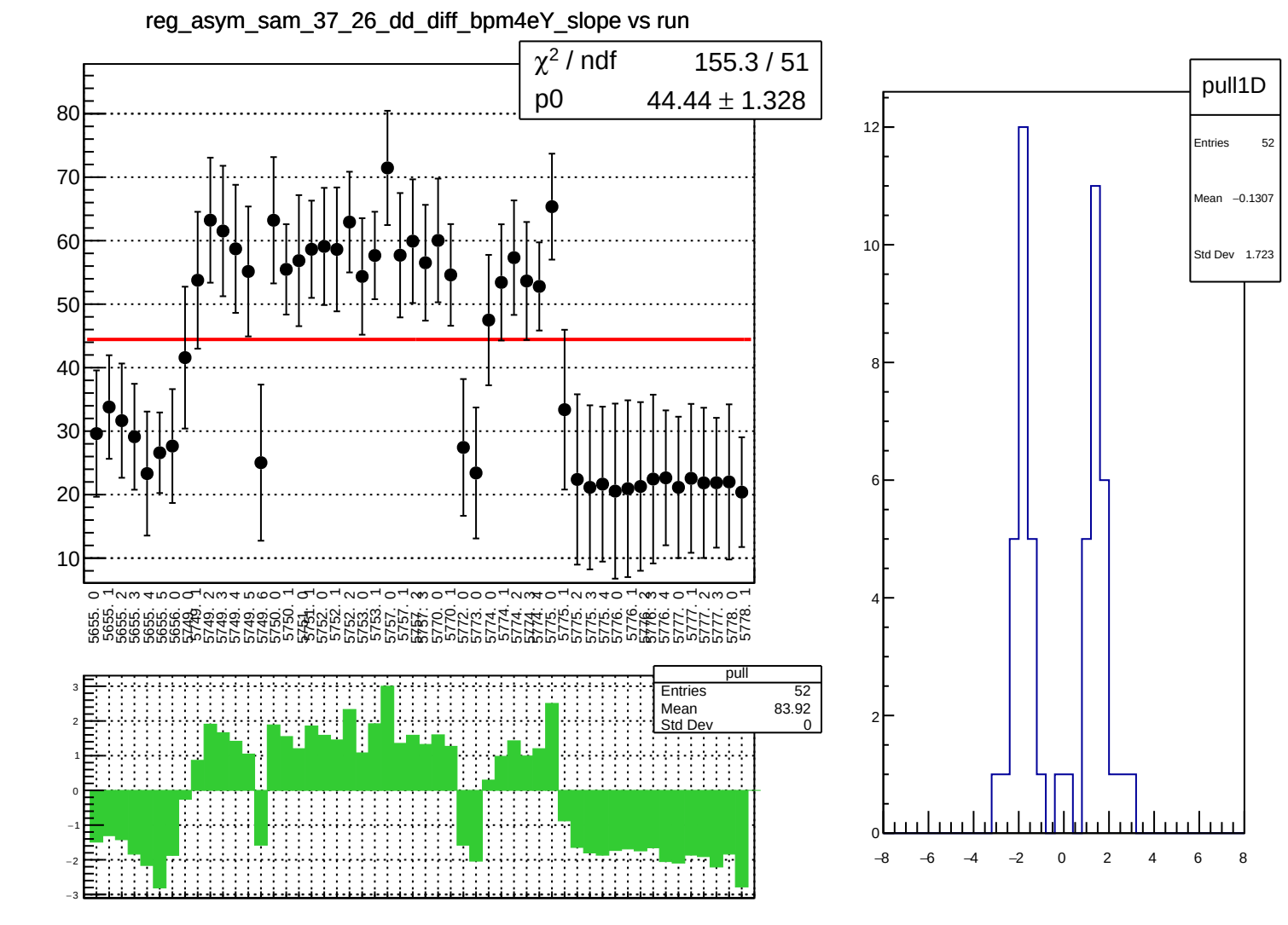

pull1D
Entries 52
Mean 0.02338
Std Dev 0.4606

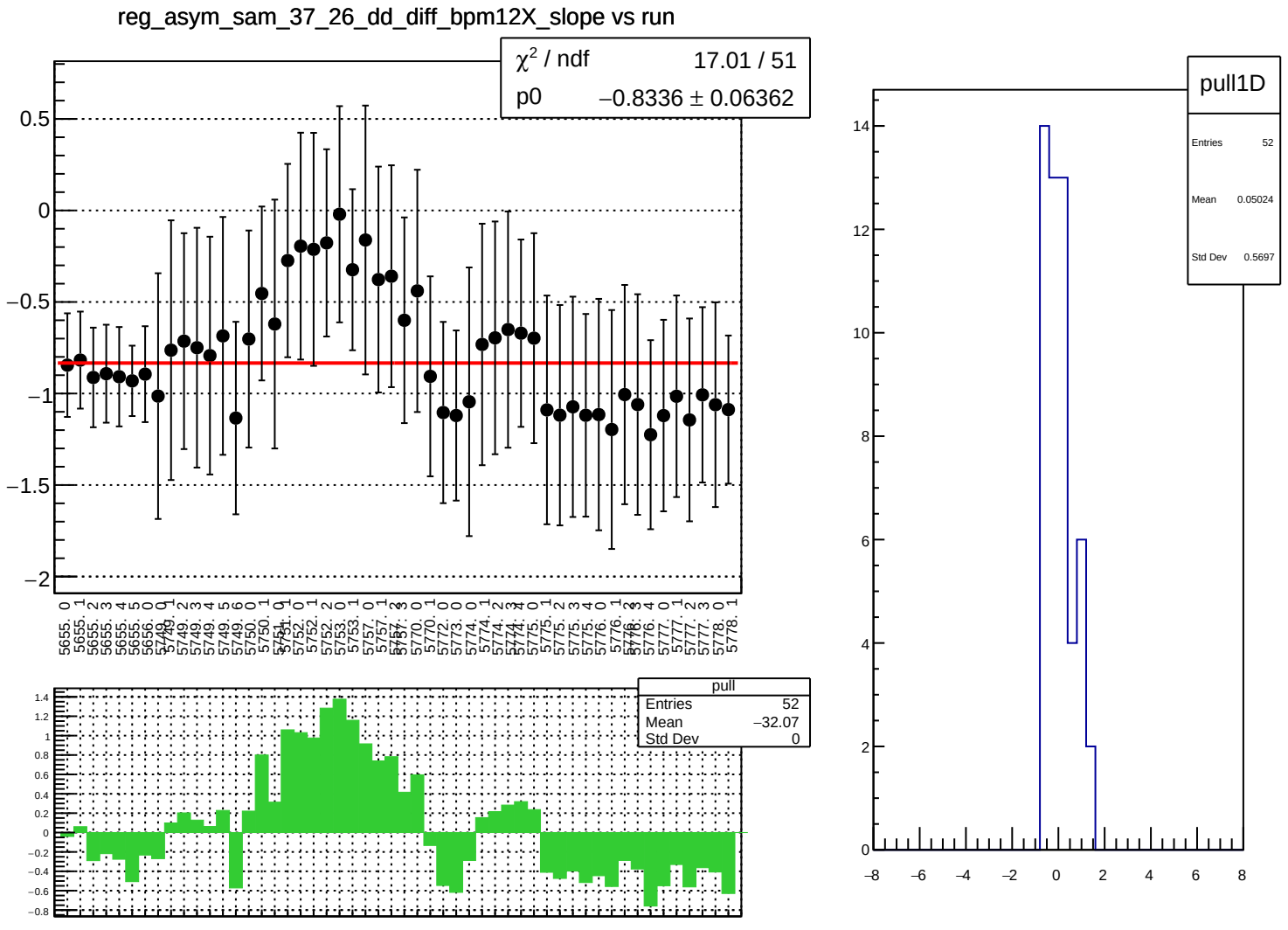

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 191.4 / 51
p0 21.42 ± 1.225
pull
Entries 52
Mean 73.96
Std Dev 0

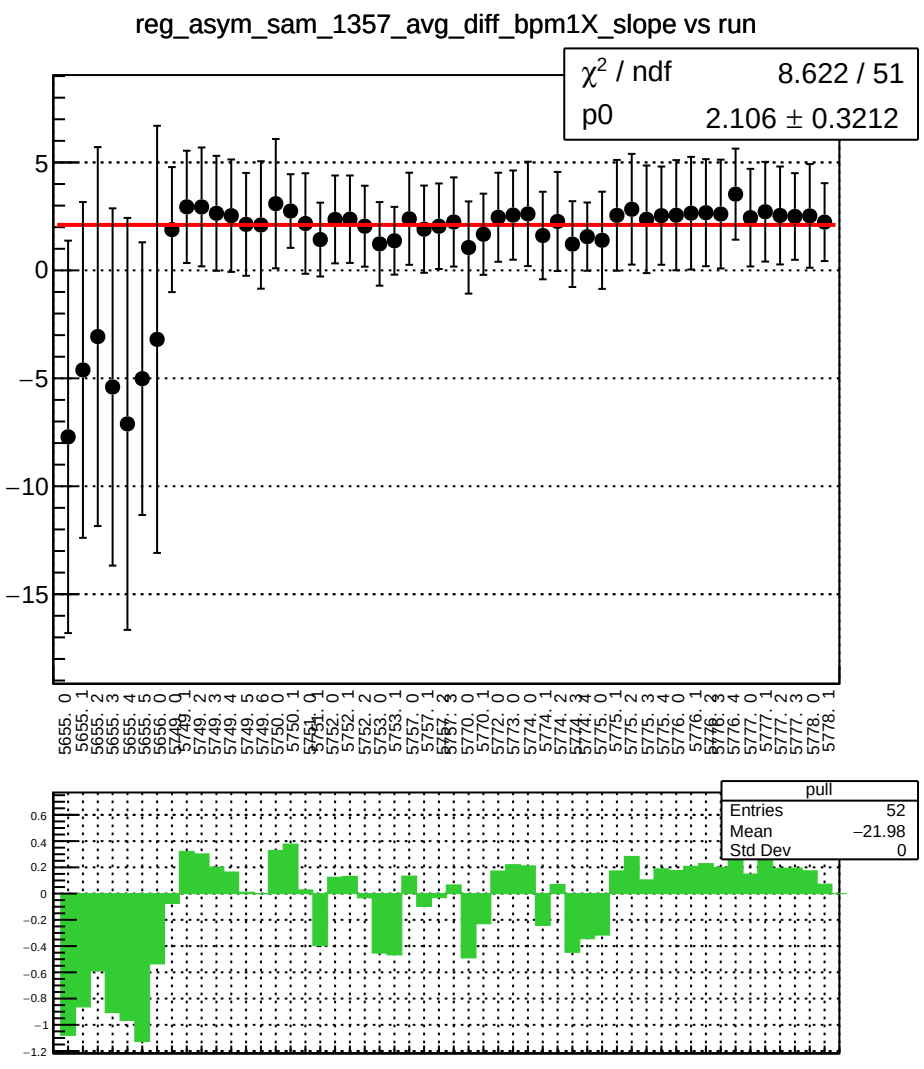

pull1D
Entries 52
Mean 0.2342
Std Dev 1.904

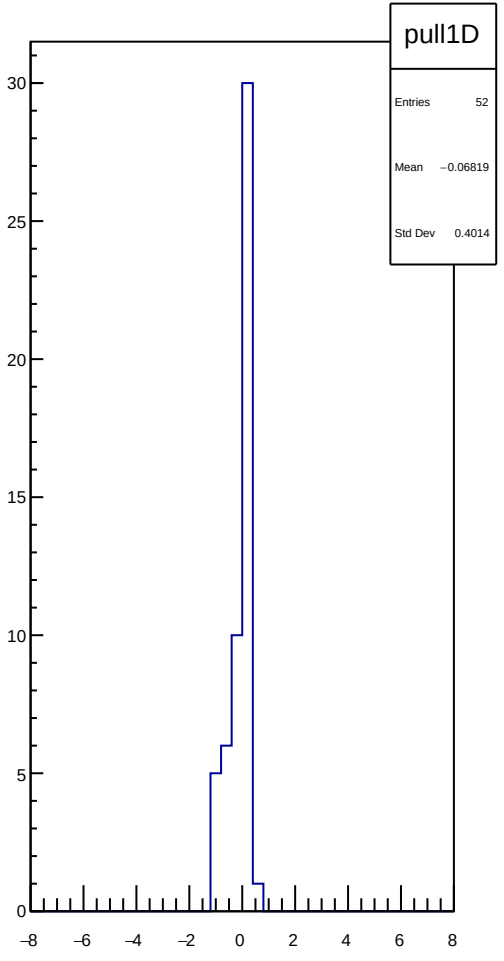

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.11 / 51
p0 36.29 ± 0.9678
pull
Entries 52
Mean −414.9
Std Dev 0

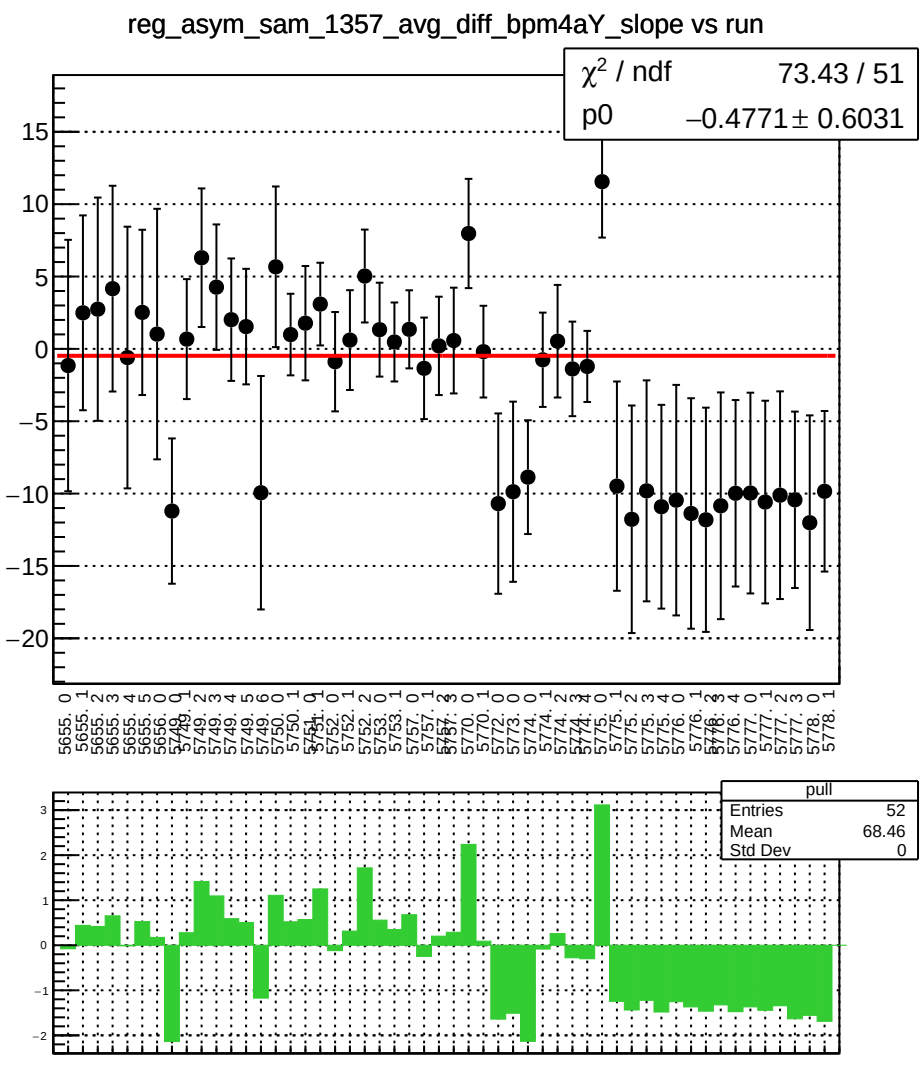

pull1D
Entries 52
Mean −0.004632
Std Dev 0.5209

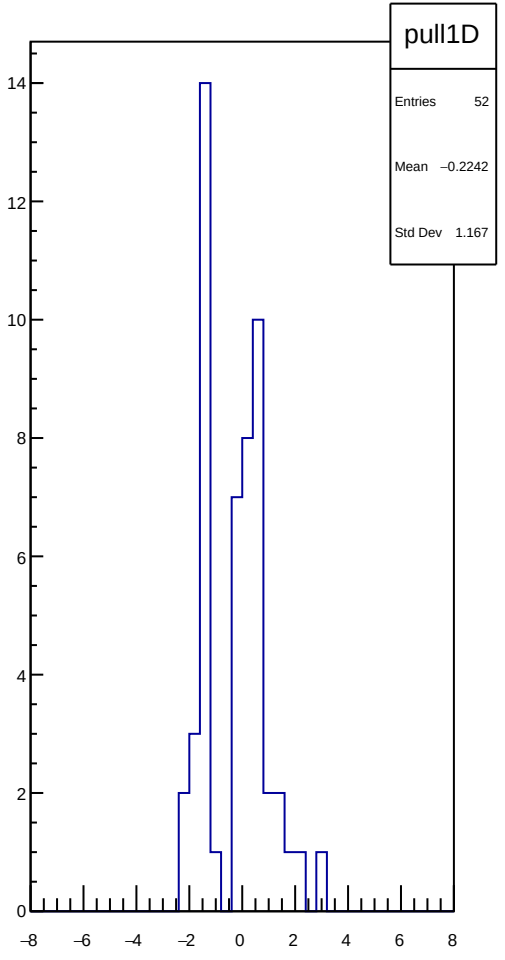

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 155.3 / 51
p0 44.44 ± 1.328
pull
Entries 52
Mean 83.92
Std Dev 0
pull1D
Entries 52
Mean −0.1307
Std Dev 1.723

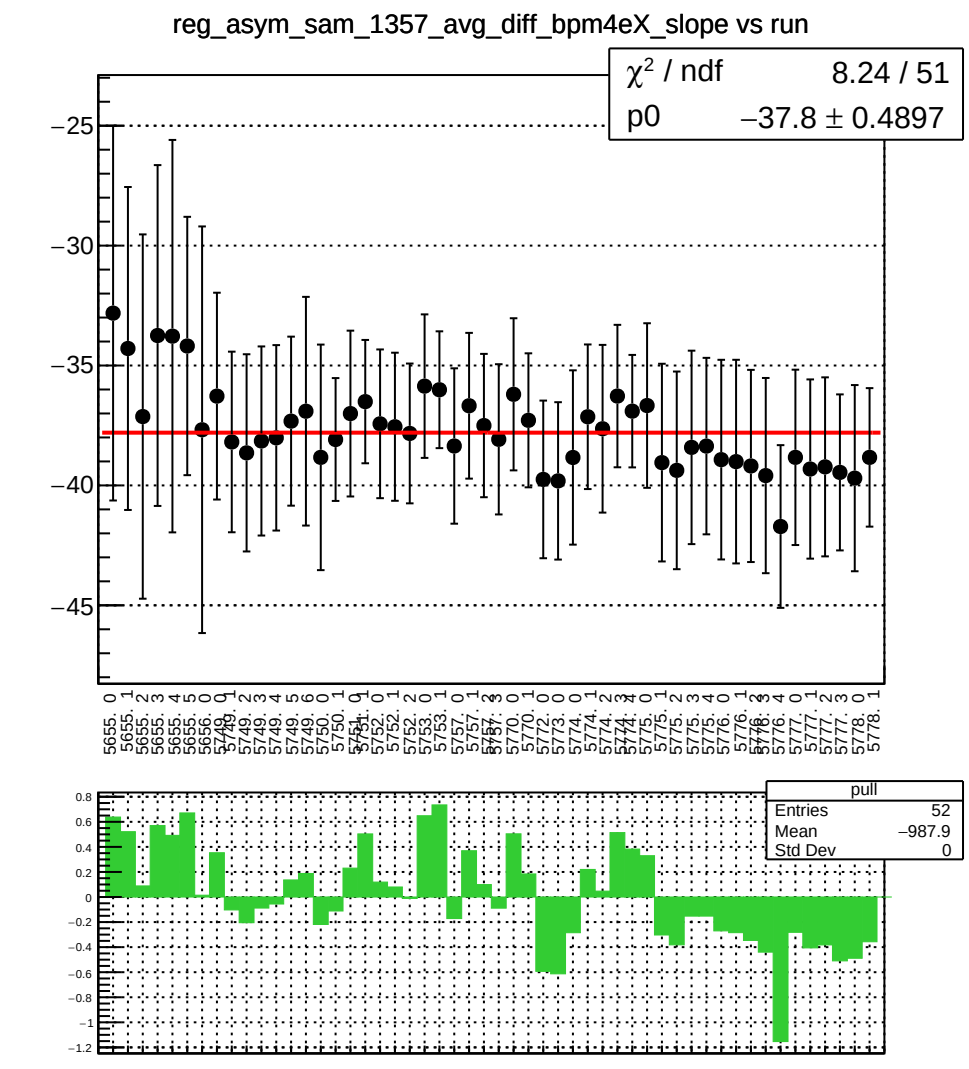

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 17.01 / 51
p0 −0.8336 ± 0.06362
pull
Entries 52
Mean −32.07
Std Dev 0
pull1D
Entries 52
Mean 0.05024
Std Dev 0.5697

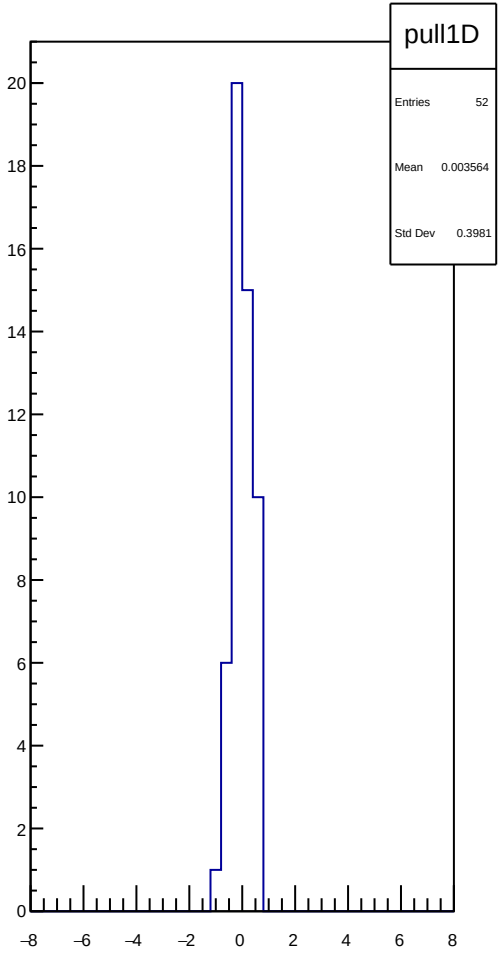

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 8.622 / 51
p0 2.106 ± 0.3212
pull
Entries 52
Mean −21.98
Std Dev 0

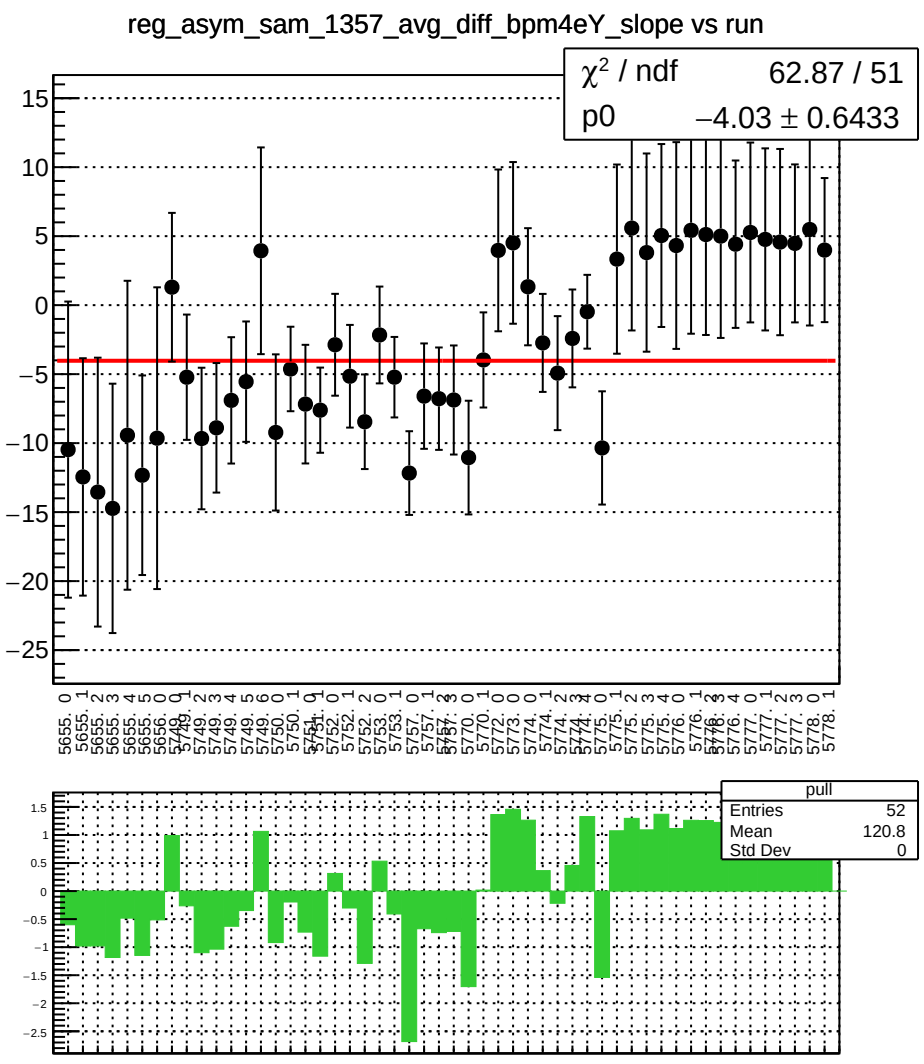

pull1D
Entries 52
Mean −0.06819
Std Dev 0.4014

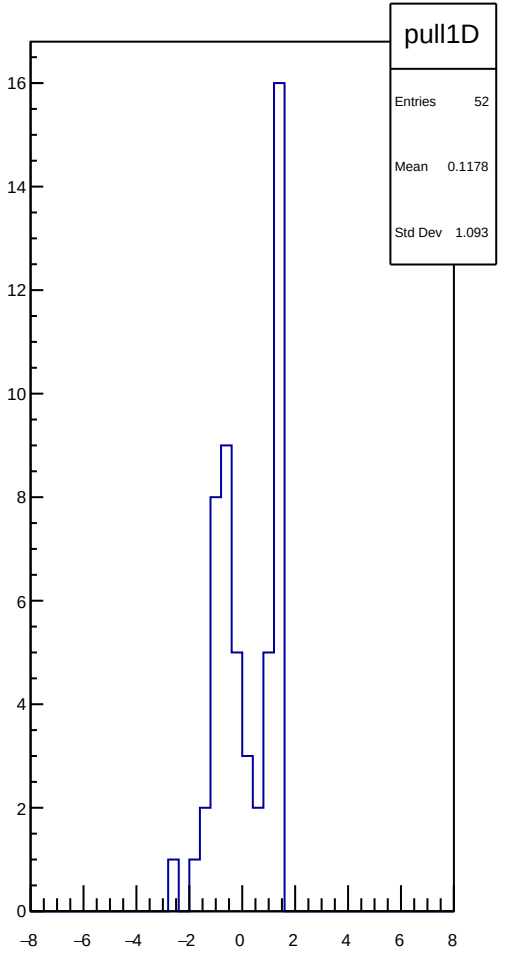

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 73.43 / 51
p0 −0.4771 ± 0.6031
pull
Entries 52
Mean 68.46
Std Dev 0

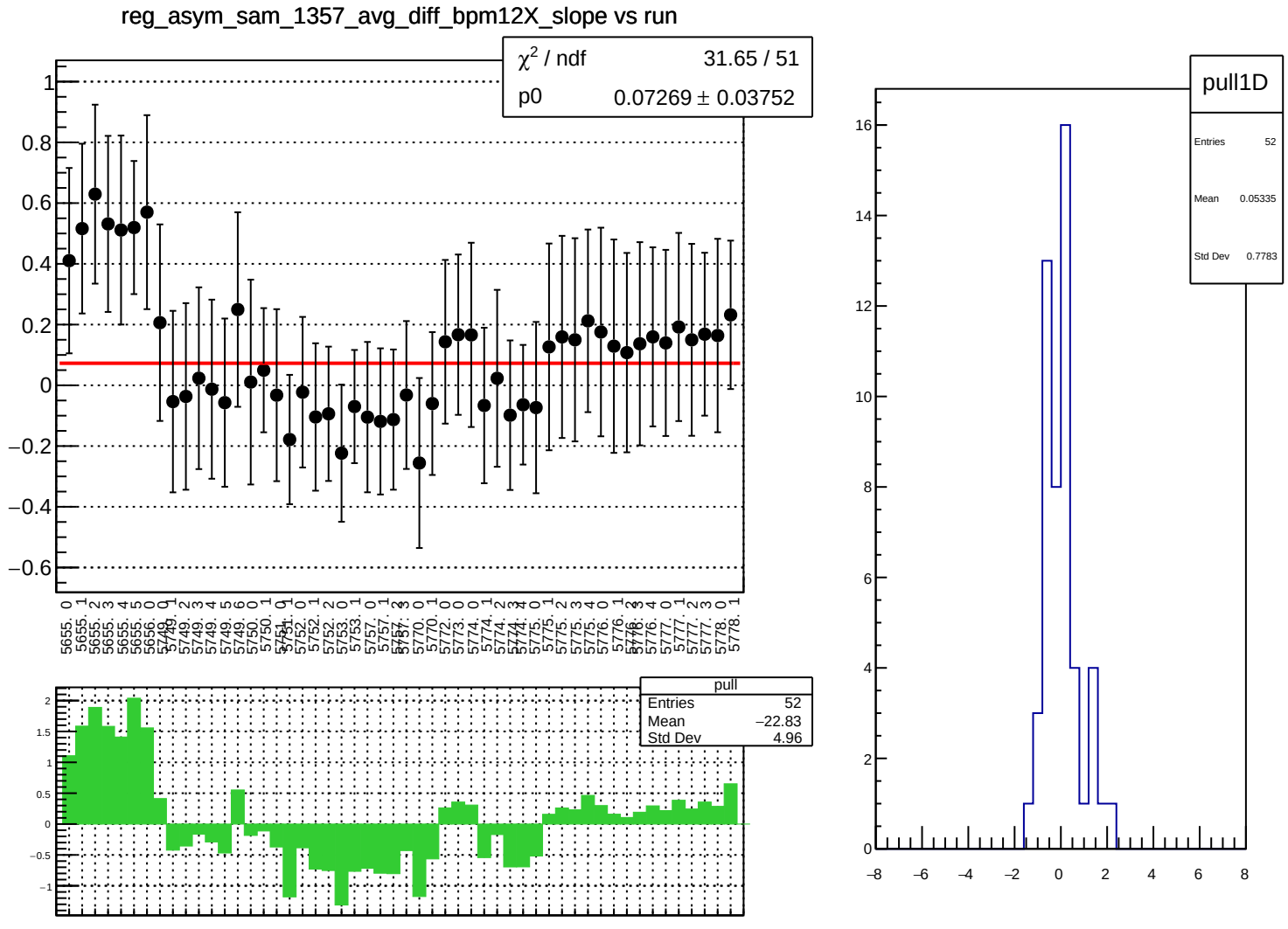

pull1D
Entries 52
Mean −0.2242
Std Dev 1.167

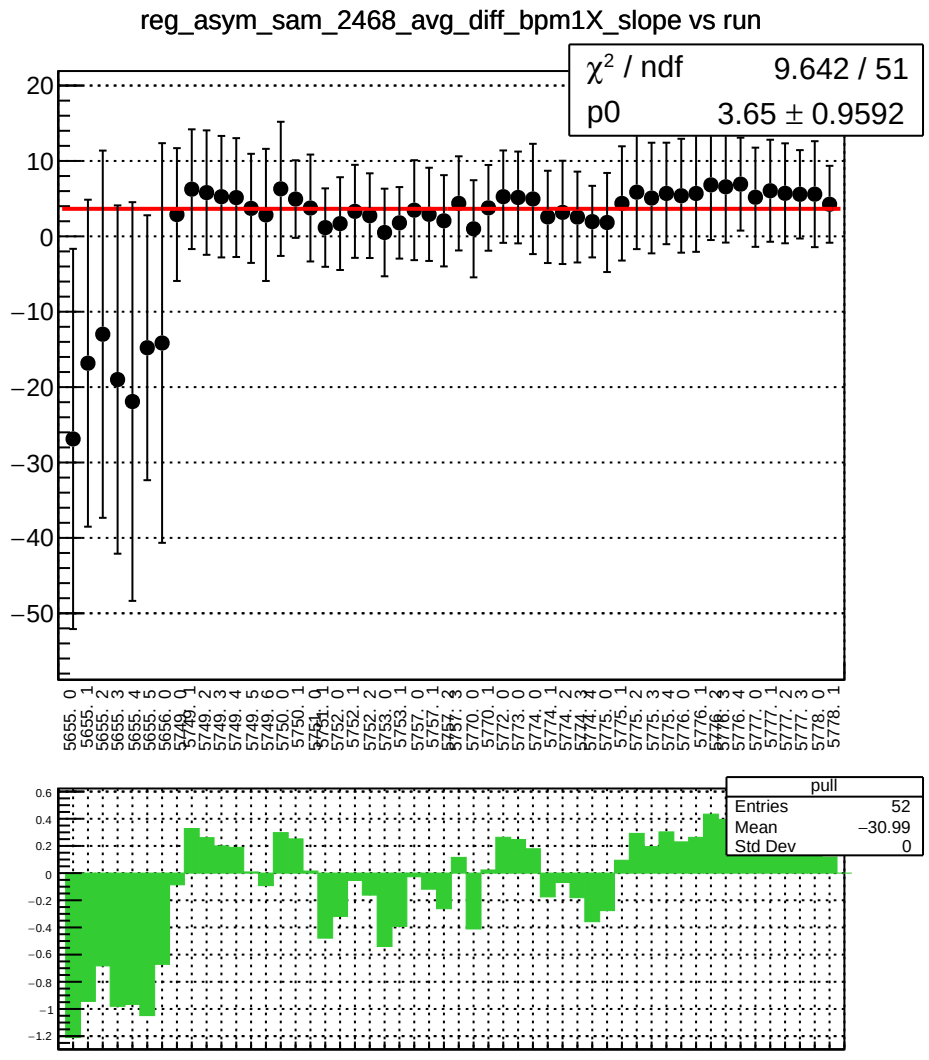

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.24 / 51
p0 −37.8 ± 0.4897
pull
Entries 52
Mean −987.9
Std Dev 0

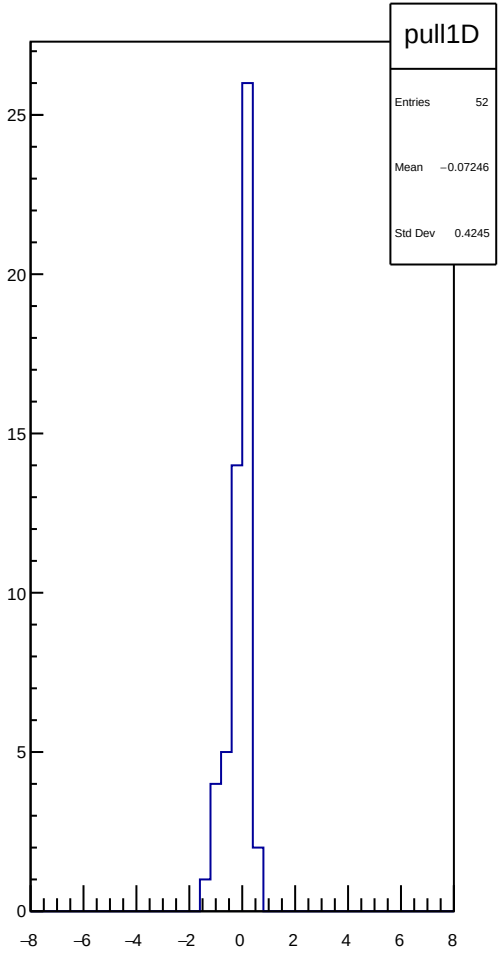

pull1D
Entries 52
Mean 0.003564
Std Dev 0.3981

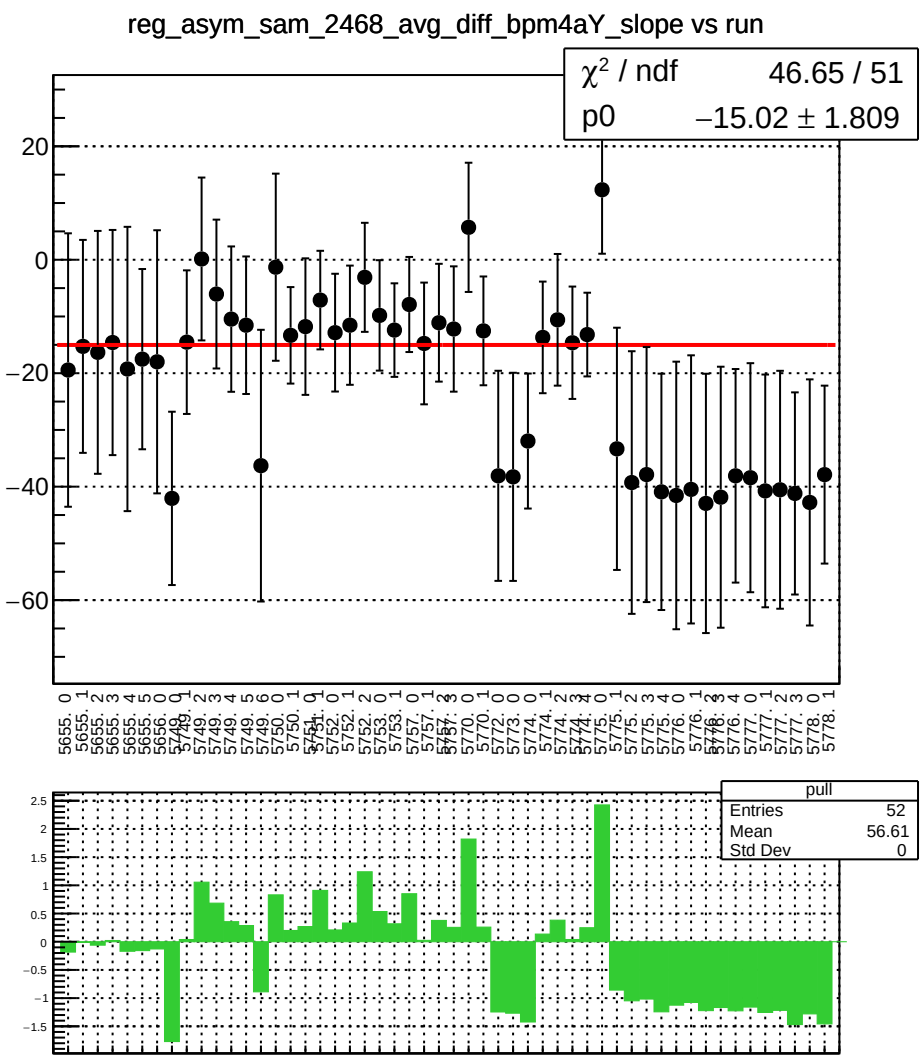

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 62.87 / 51
p0 −4.03 ± 0.6433
pull
Entries 52
Mean 120.8
Std Dev 0

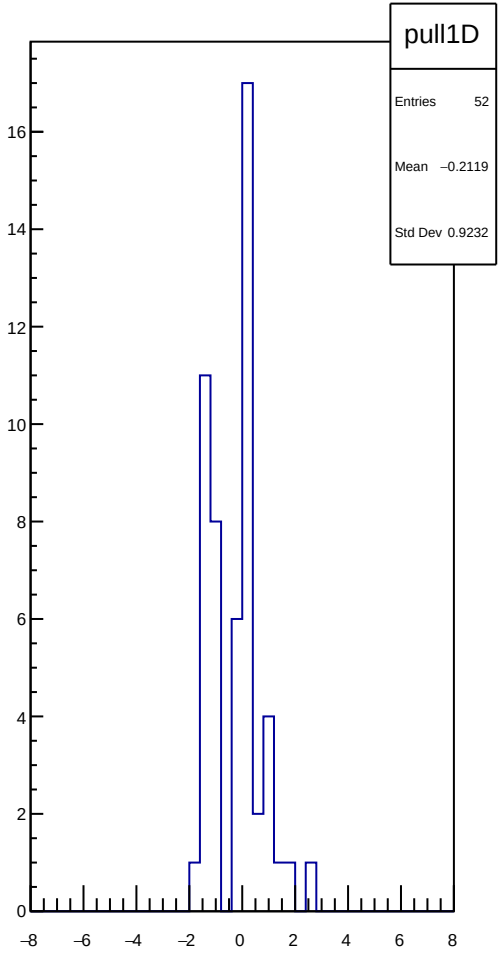

pull1D
Entries 52
Mean 0.1178
Std Dev 1.093

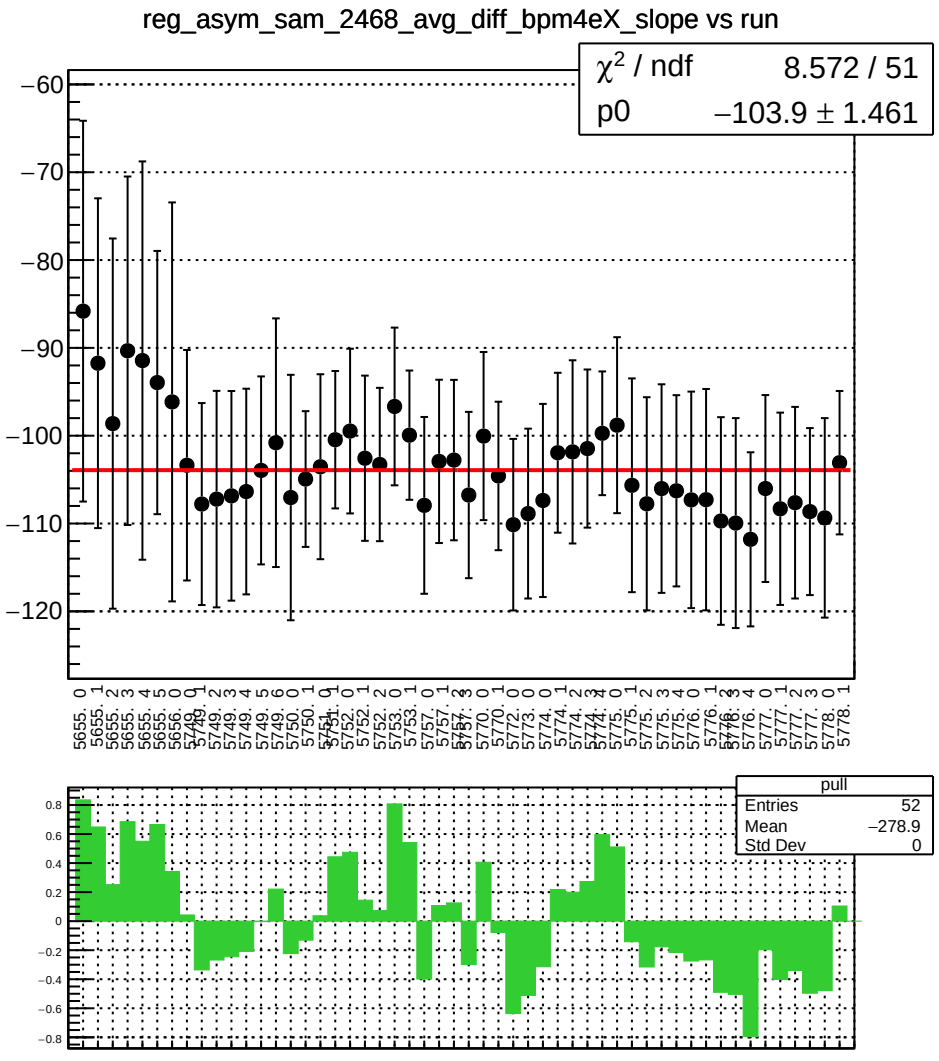

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 31.65 / 51
p0 0.07269 ± 0.03752
pull
Entries 52
Mean −22.83
Std Dev 4.96
pull1D
Entries 52
Mean 0.05335
Std Dev 0.7783

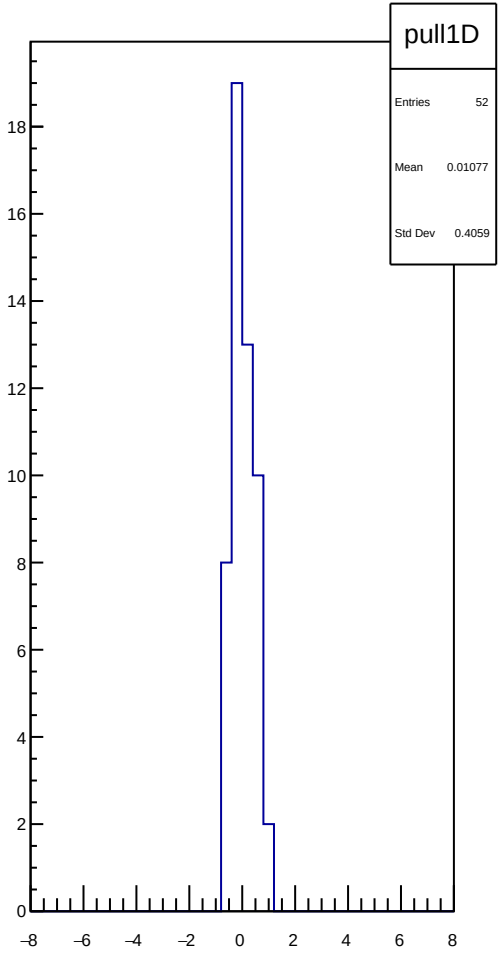

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 9.642 / 51
p0 3.65 ± 0.9592
pull
Entries 52
Mean −30.99
Std Dev 0

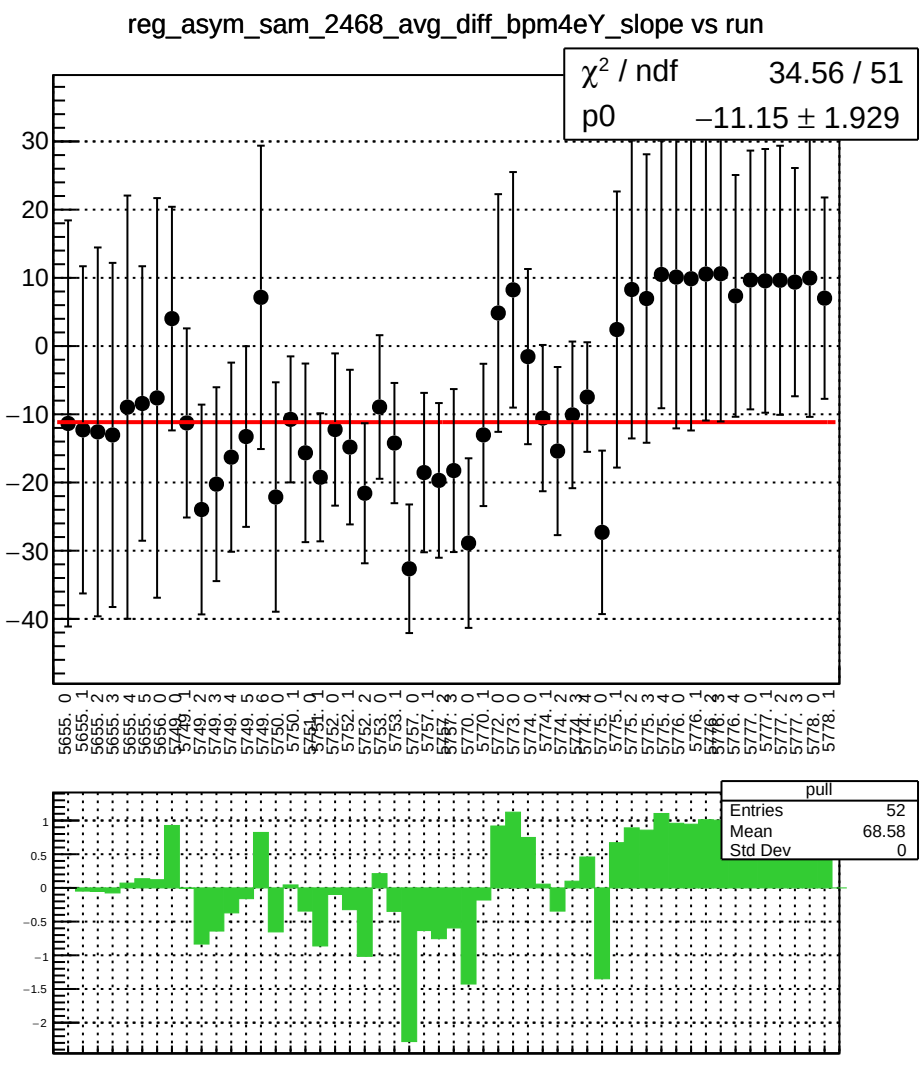

pull1D
Entries 52
Mean −0.07246
Std Dev 0.4245

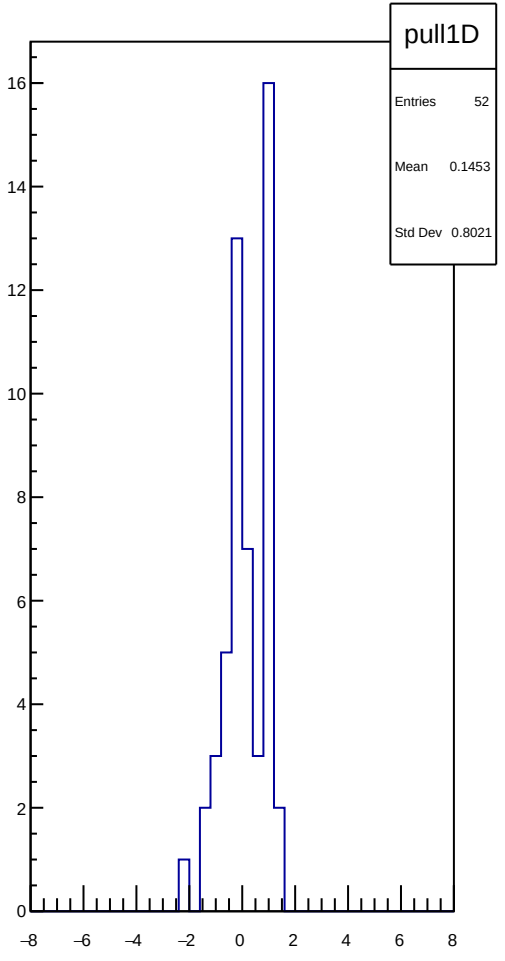

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 46.65 / 51
p0 −15.02 ± 1.809
pull
Entries 52
Mean 56.61
Std Dev 0

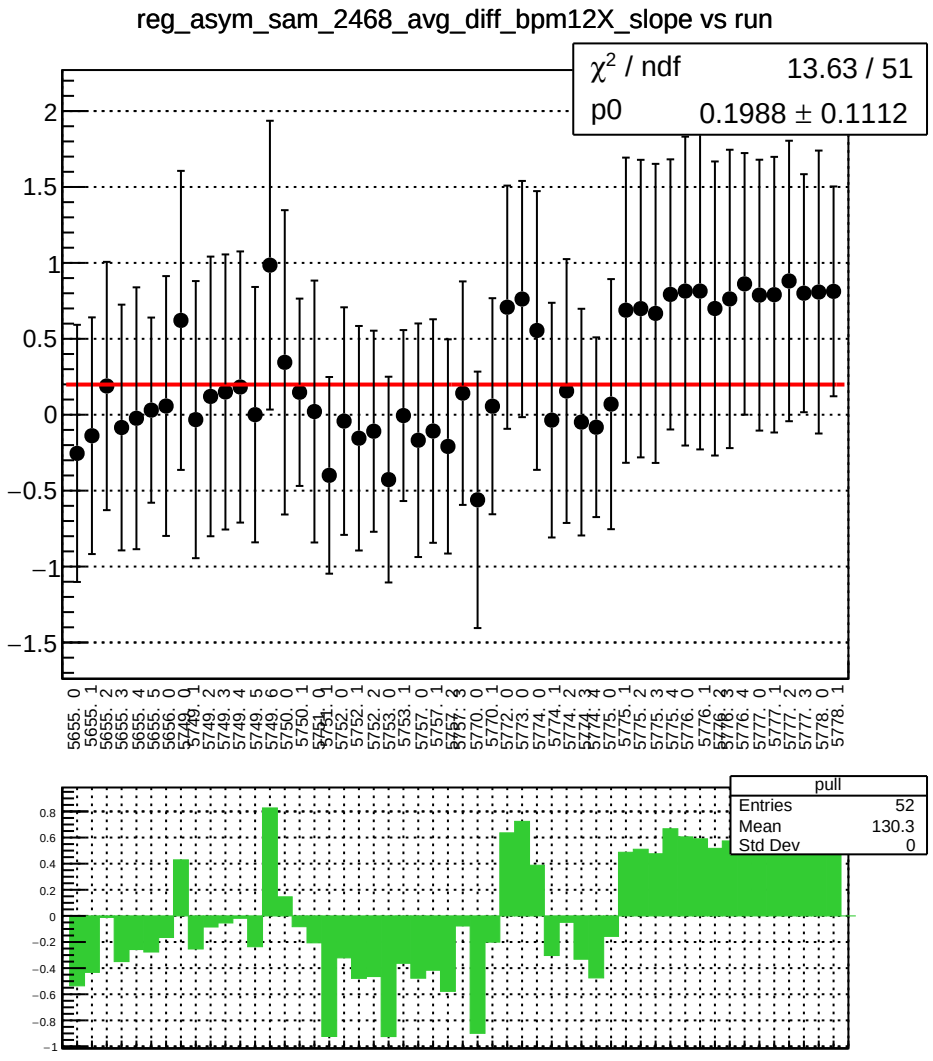

pull1D
Entries 52
Mean −0.2119
Std Dev 0.9232

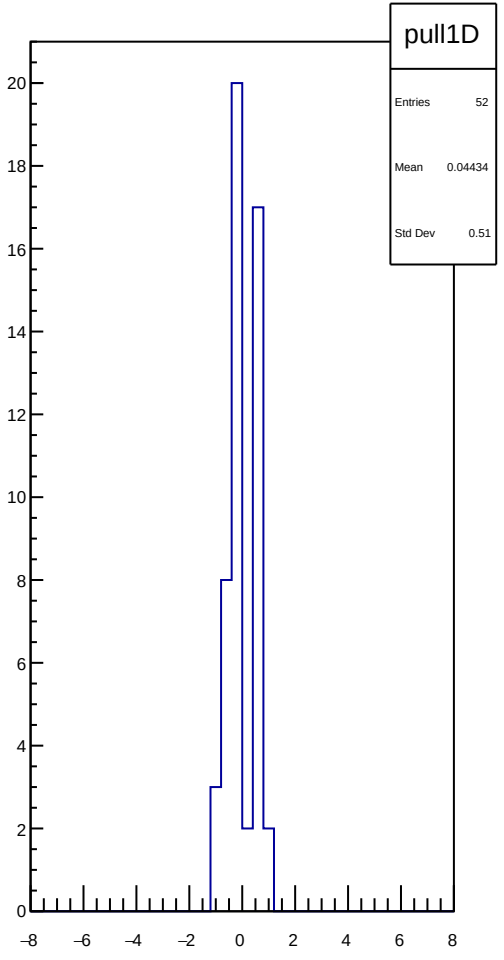

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.572 / 51
p0 −103.9 ± 1.461
pull
Entries 52
Mean −278.9
Std Dev 0

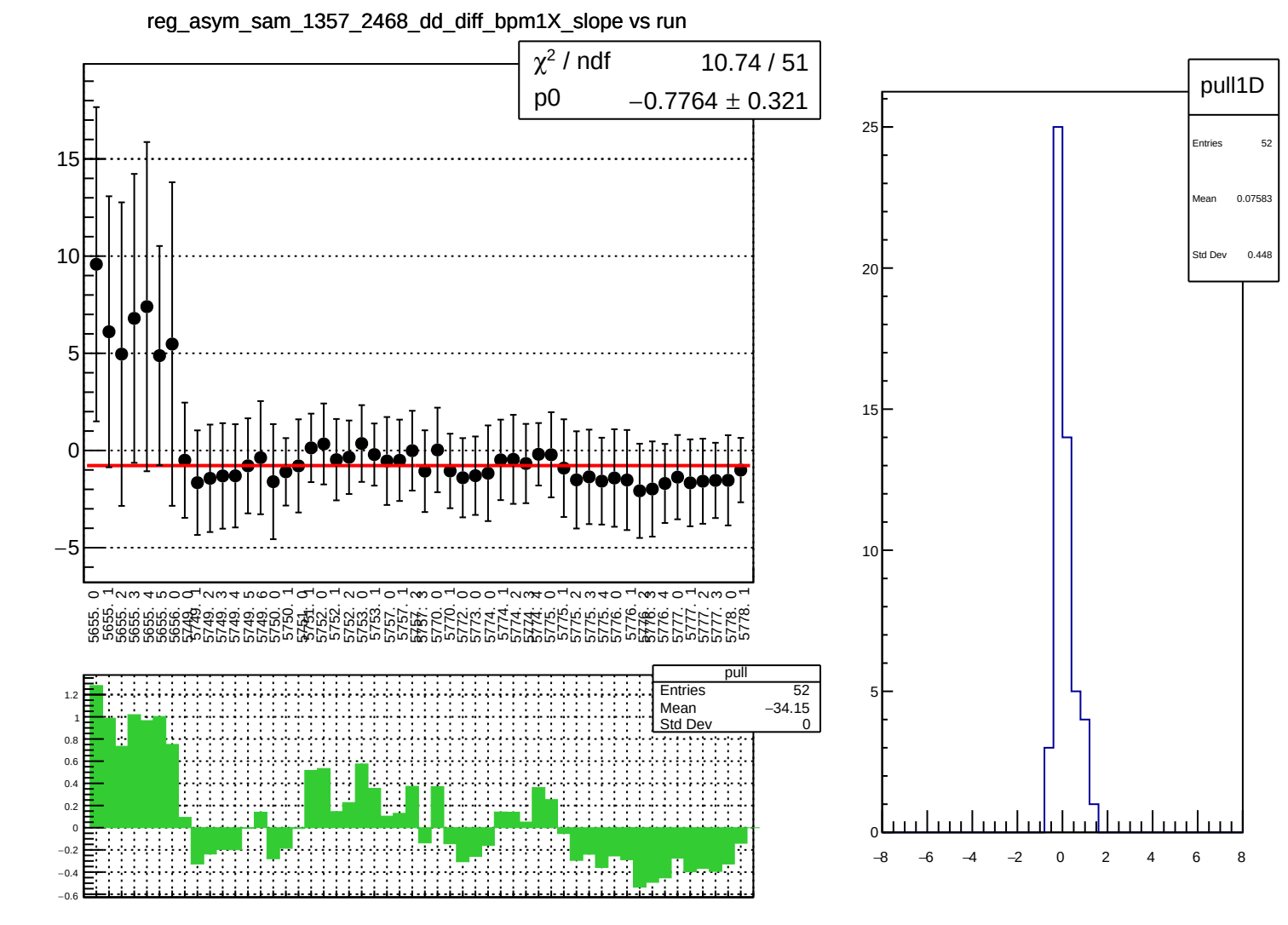

pull1D
Entries 52
Mean 0.01077
Std Dev 0.4059

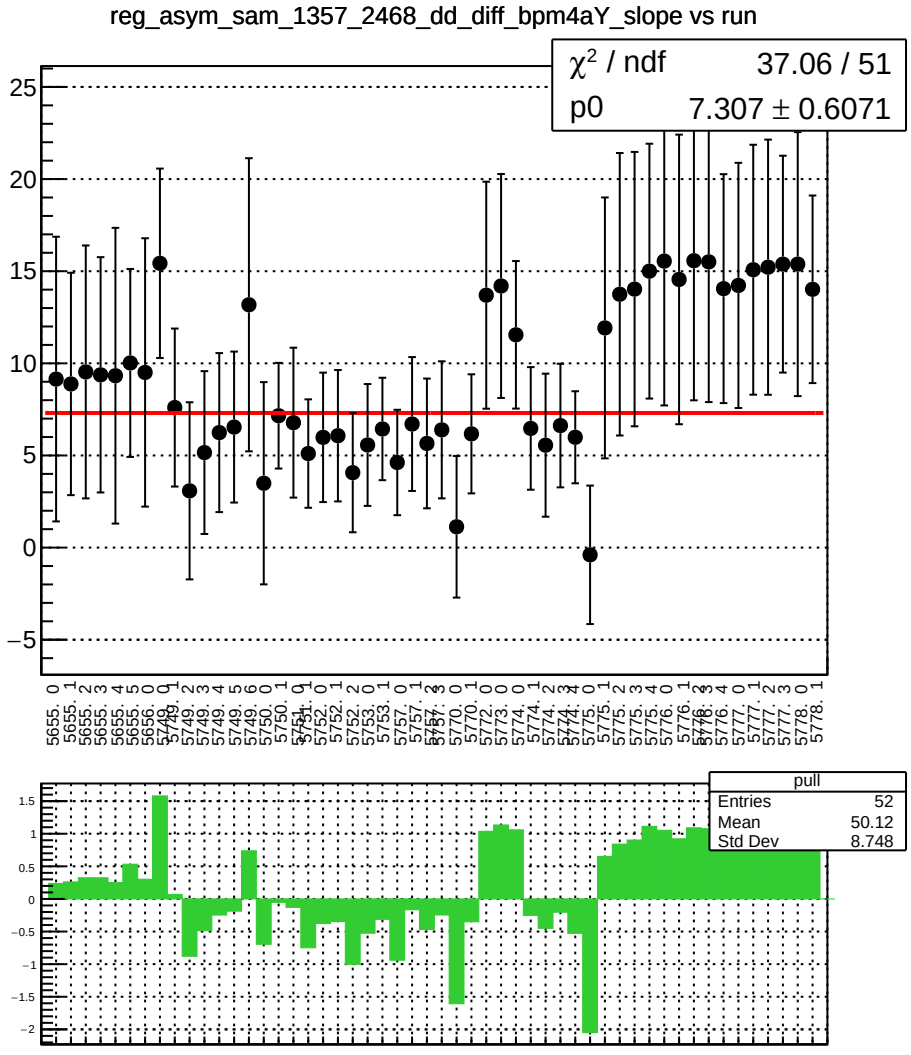

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 34.56 / 51
p0 −11.15 ± 1.929
pull
Entries 52
Mean 68.58
Std Dev 0

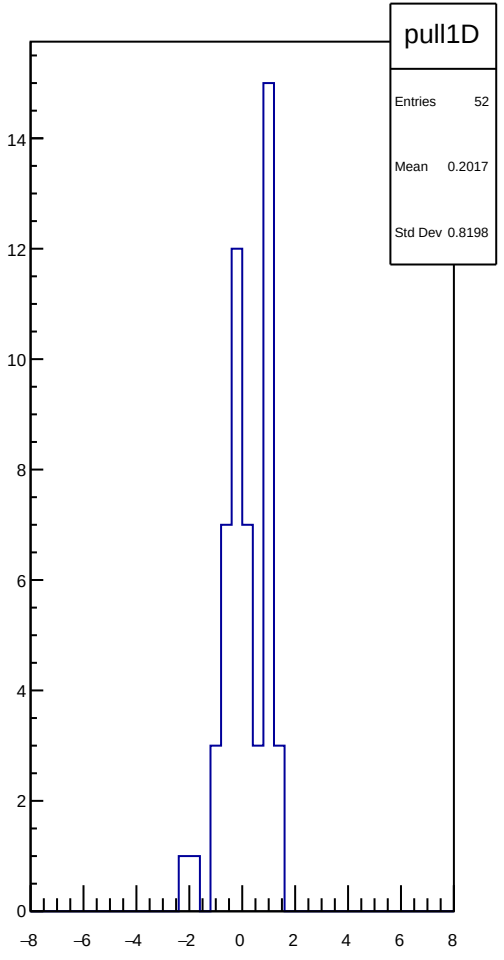

pull1D
Entries 52
Mean 0.1453
Std Dev 0.8021

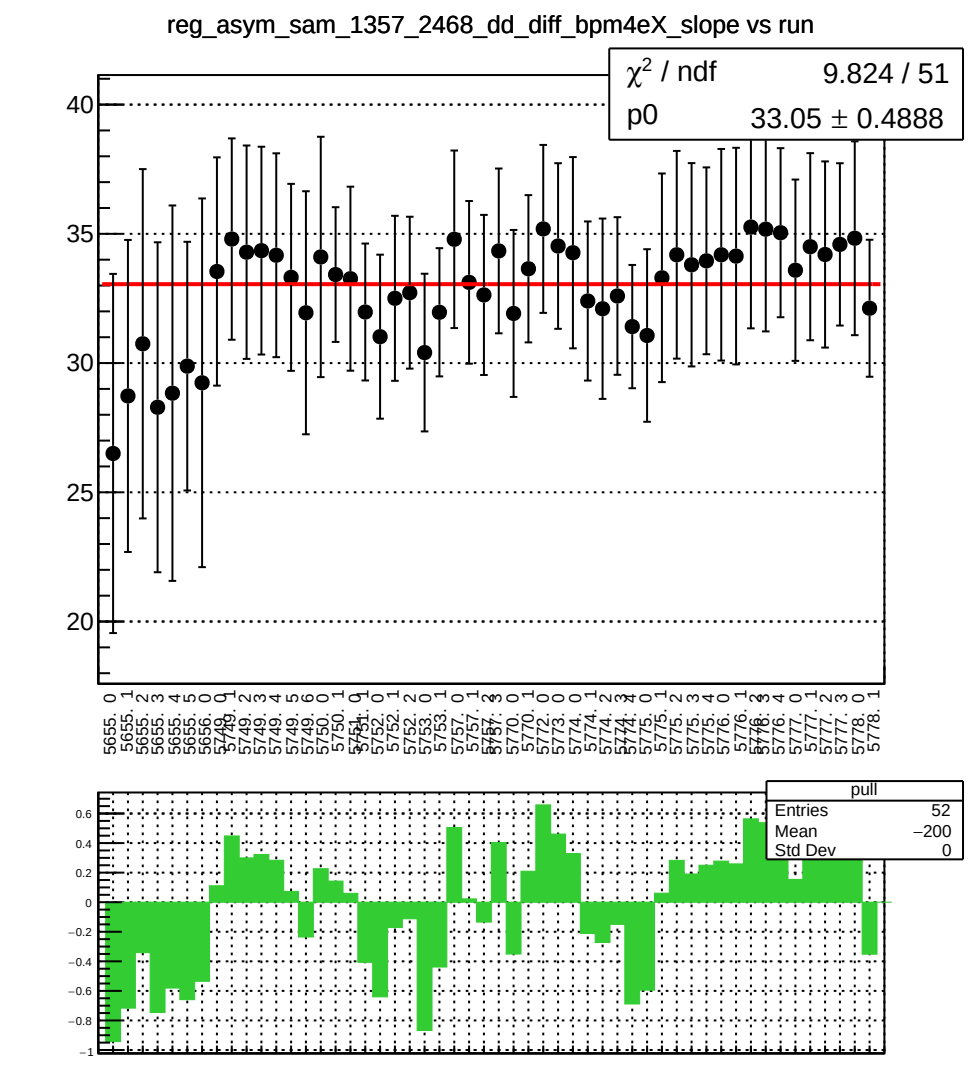

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 13.63 / 51
p0 0.1988 ± 0.1112
pull
Entries 52
Mean 130.3
Std Dev 0

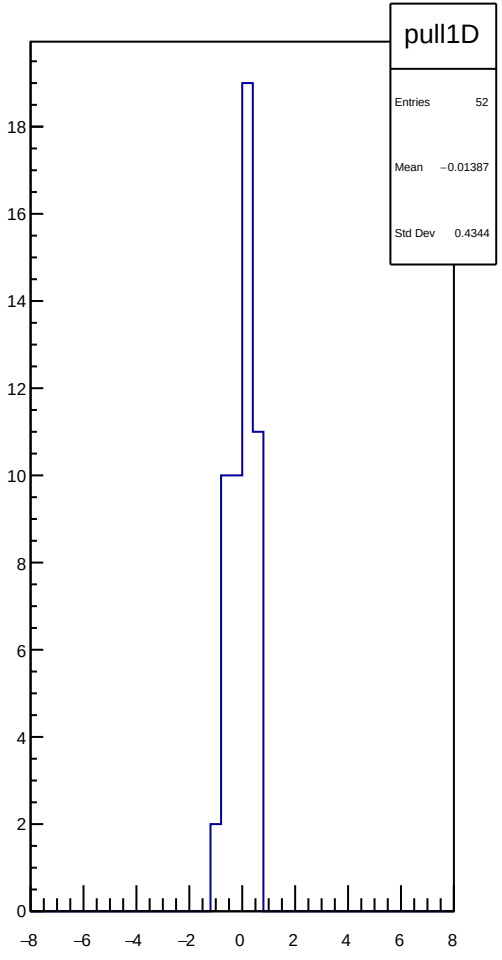

pull1D
Entries 52
Mean 0.04434
Std Dev 0.51

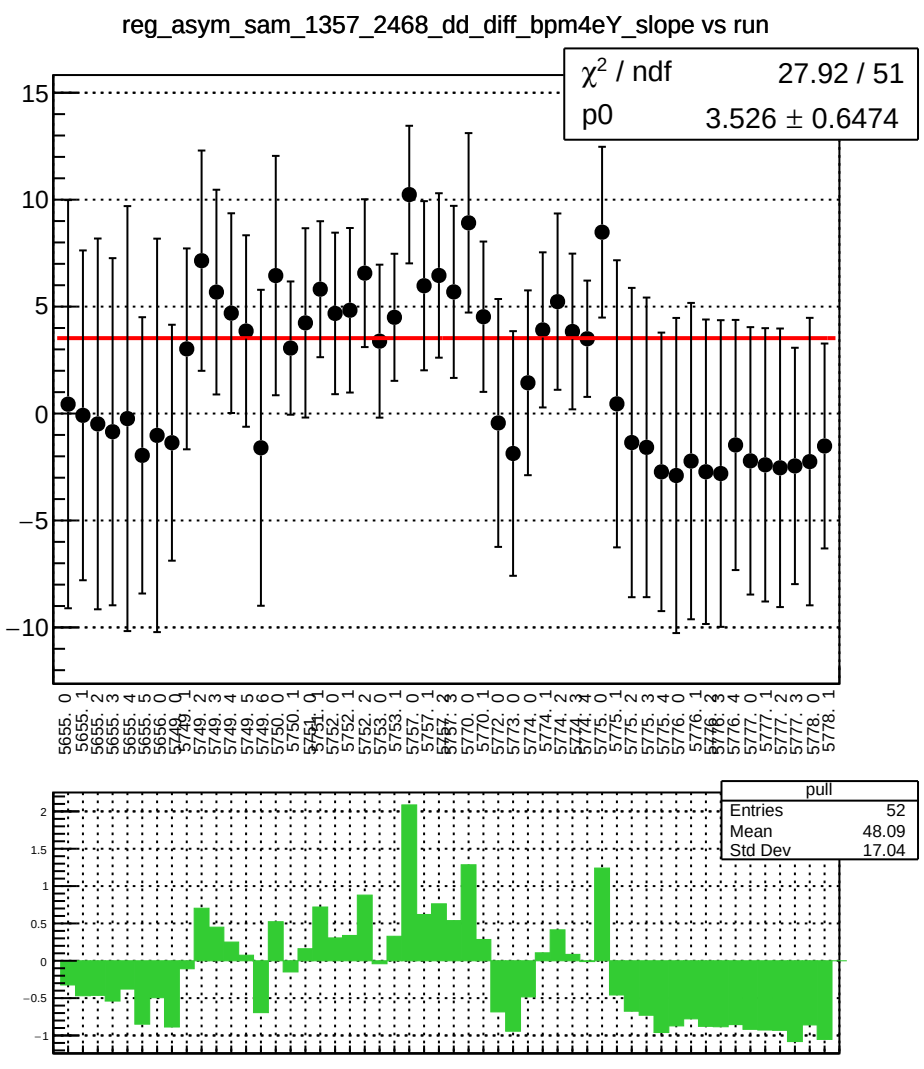

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 10.74 / 51
p0 −0.7764 ± 0.321
pull
Entries 52
Mean −34.15
Std Dev 0
pull1D
Entries 52
Mean 0.07583
Std Dev 0.448

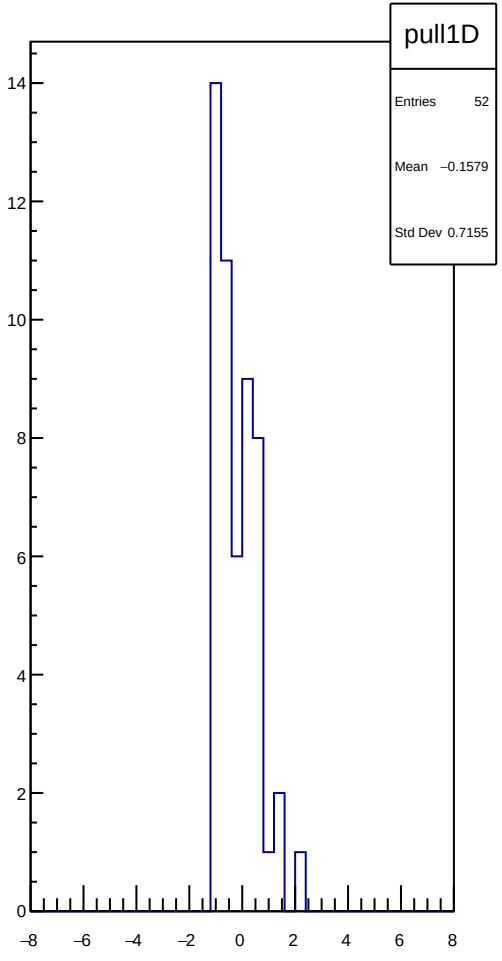

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 37.06 / 51
p0 7.307 ± 0.6071
pull
Entries 52
Mean 50.12
Std Dev 8.748

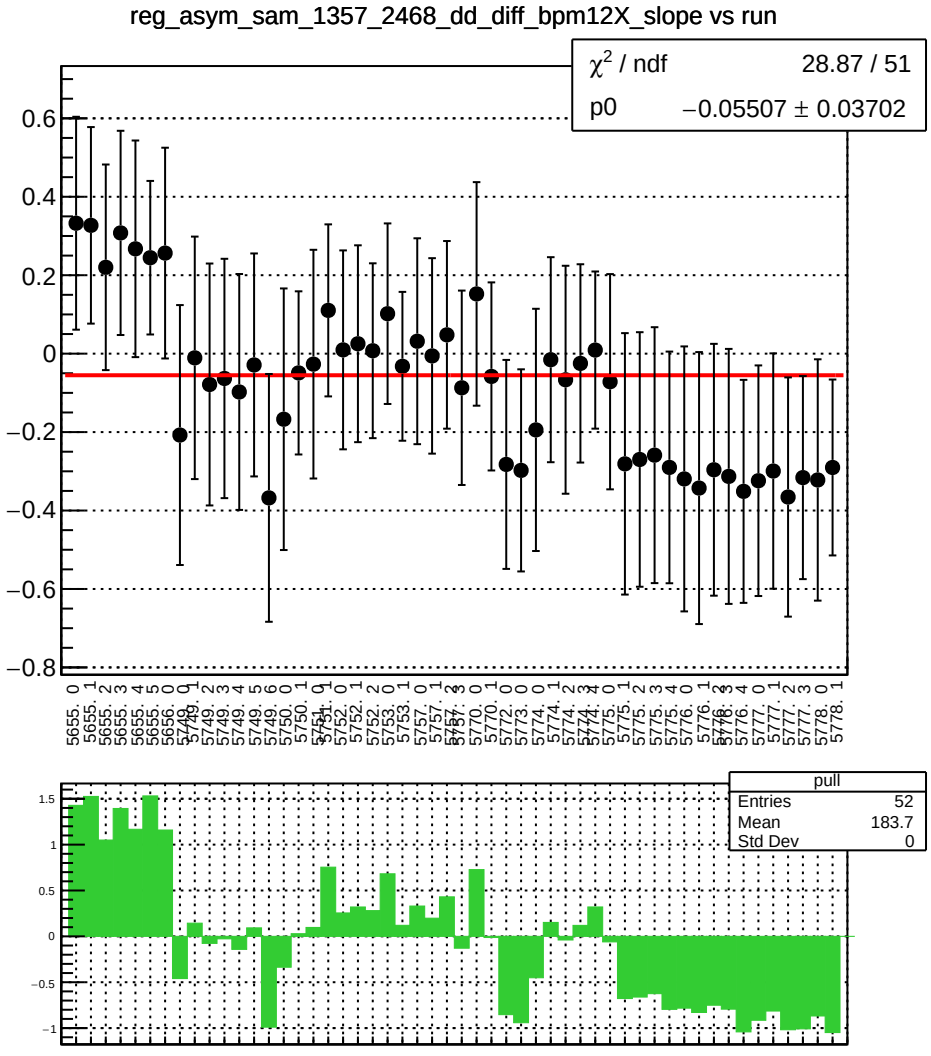

pull1D
Entries 52
Mean 0.2017
Std Dev 0.8198

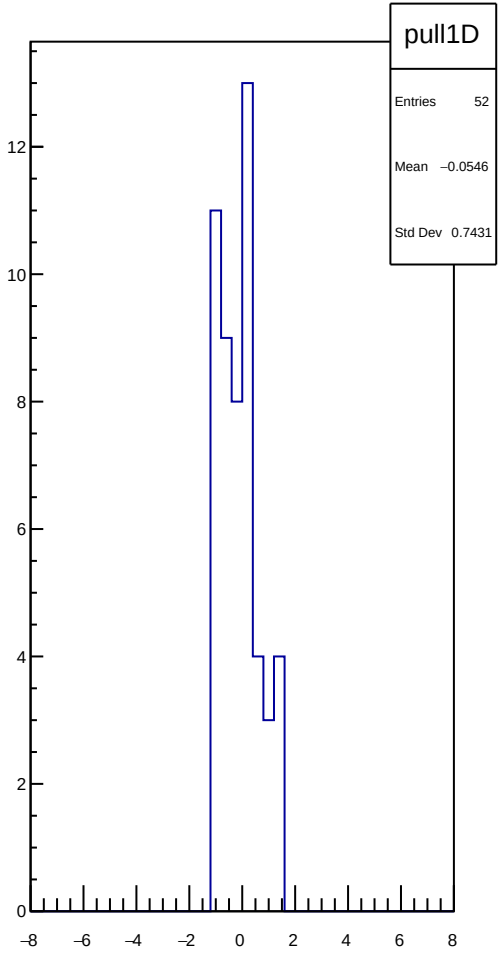

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.824 / 51
p0 33.05 ± 0.4888
pull
Entries 52
Mean −200
Std Dev 0

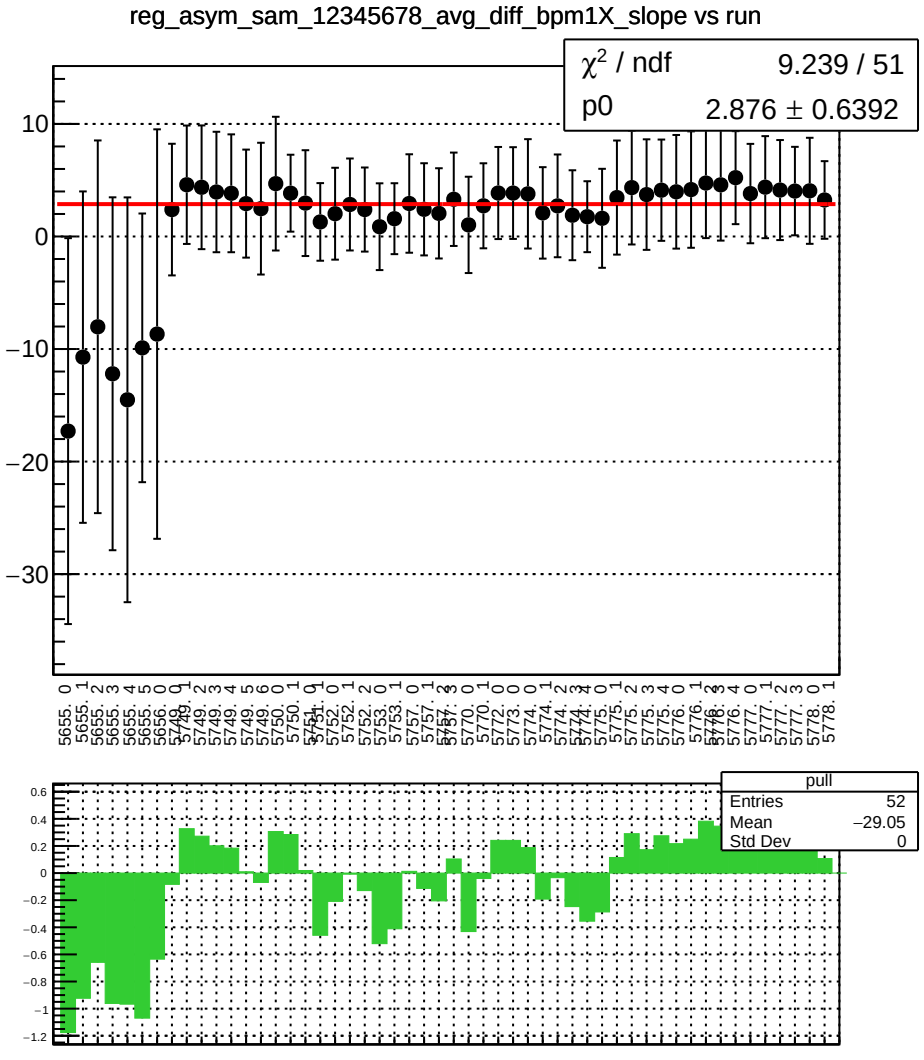

pull1D
Entries 52
Mean −0.01387
Std Dev 0.4344

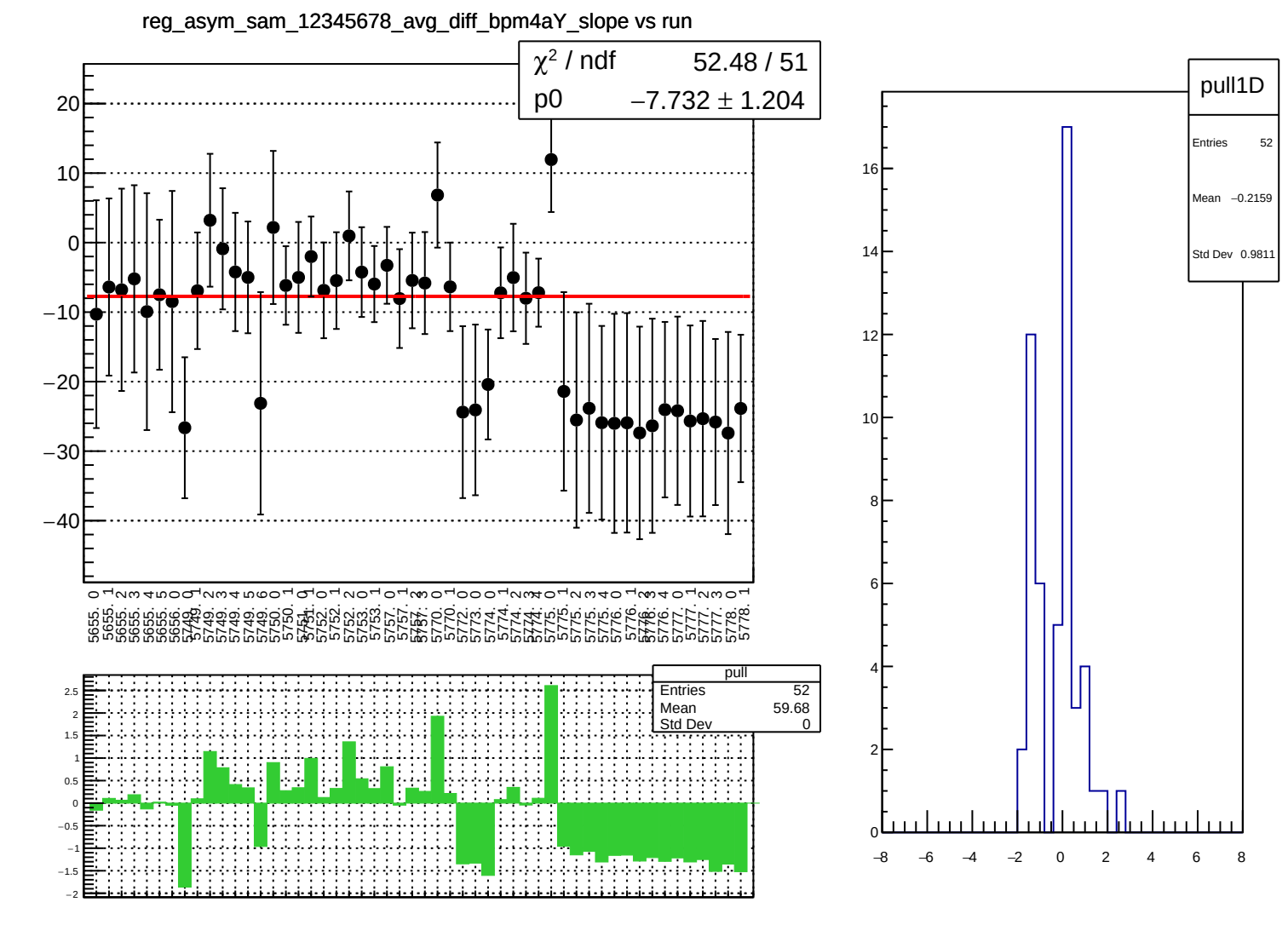

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 27.92 / 51
p0 3.526 ± 0.6474
pull
Entries 52
Mean 48.09
Std Dev 17.04

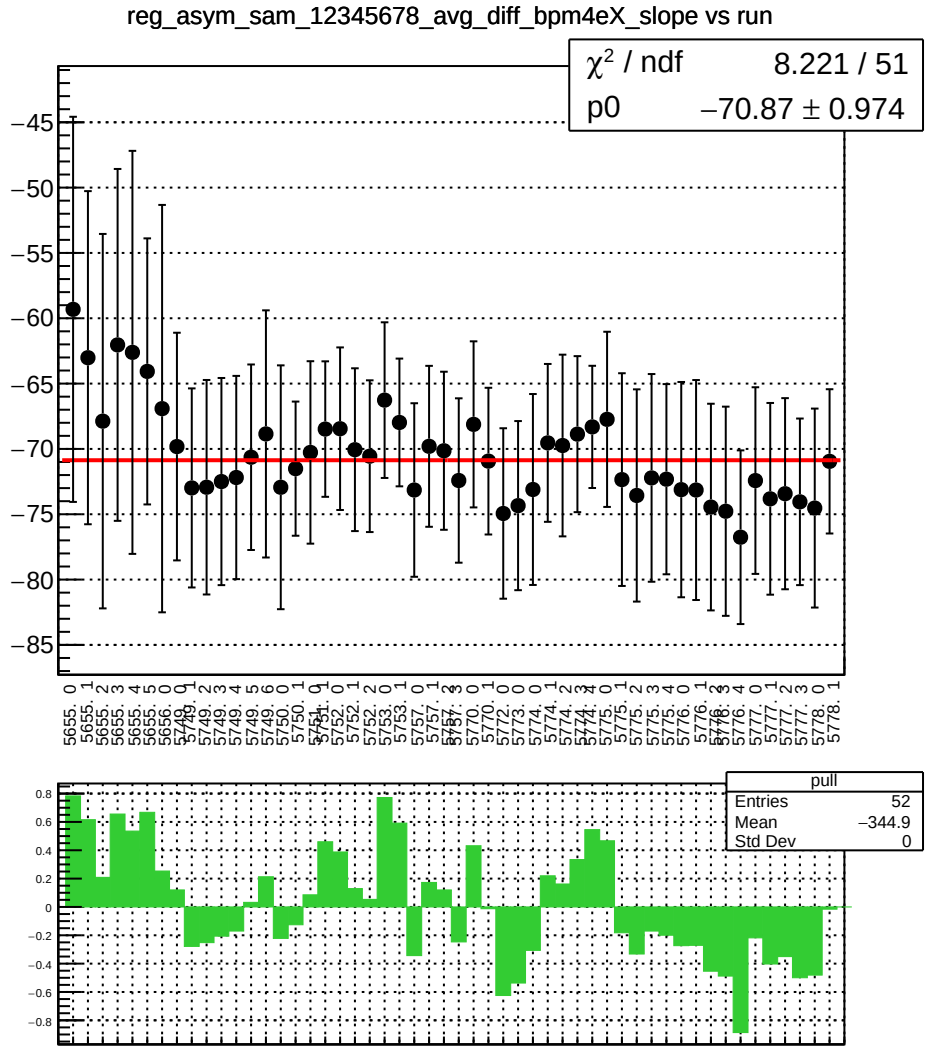

pull1D
Entries 52
Mean −0.1579
Std Dev 0.7155

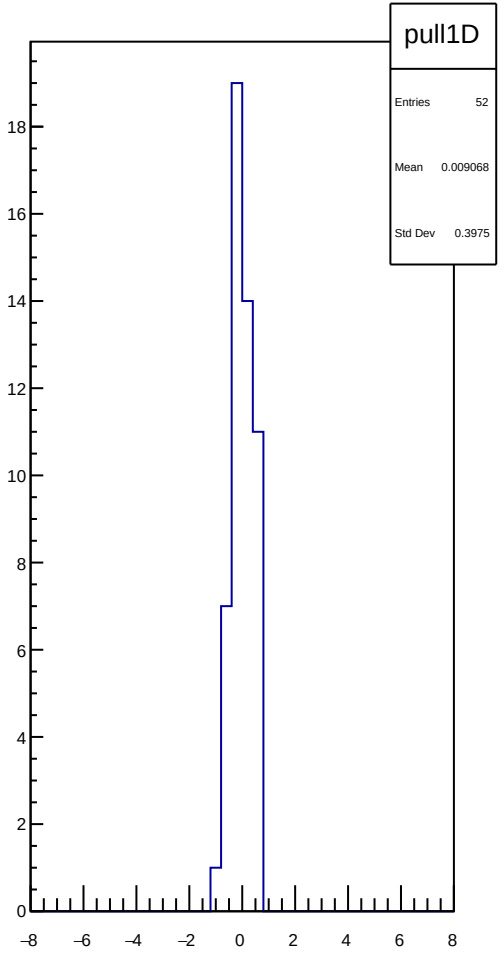

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 28.87 / 51
p0 −0.05507 ± 0.03702
pull
Entries 52
Mean 183.7
Std Dev 0

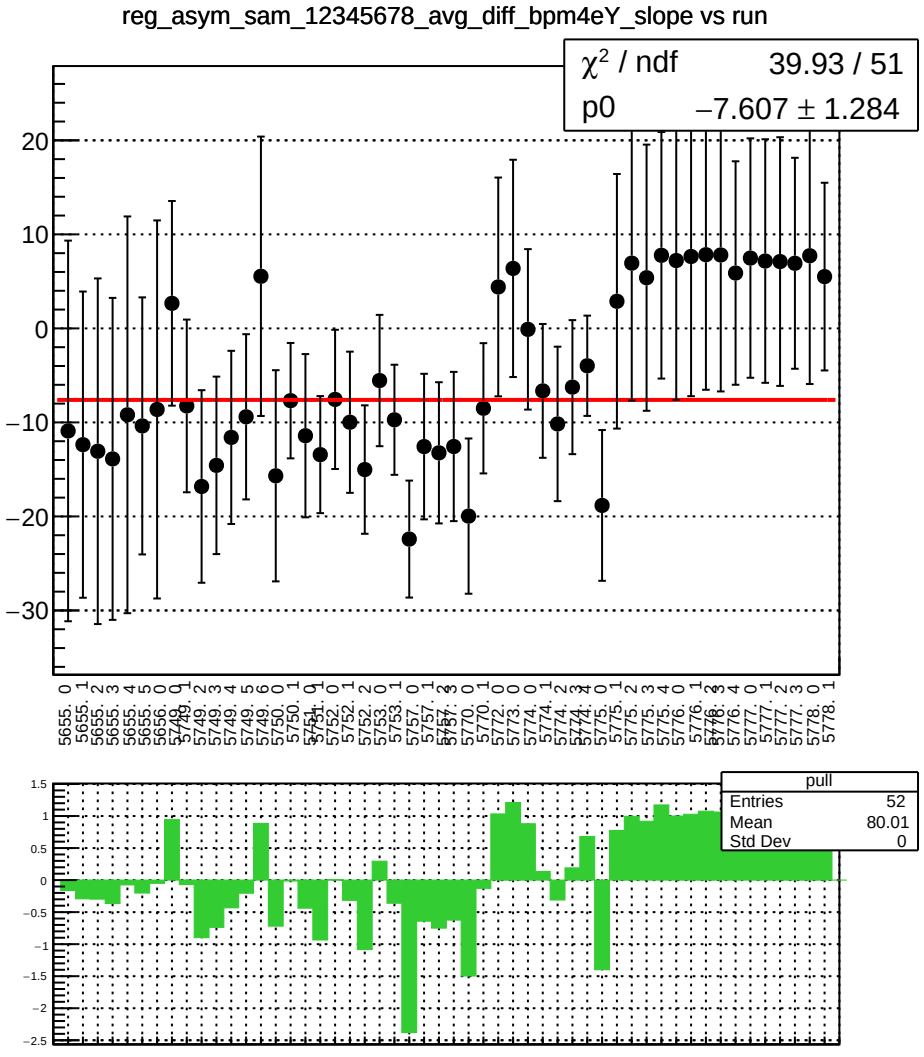

pull1D
Entries 52
Mean −0.0546
Std Dev 0.7431

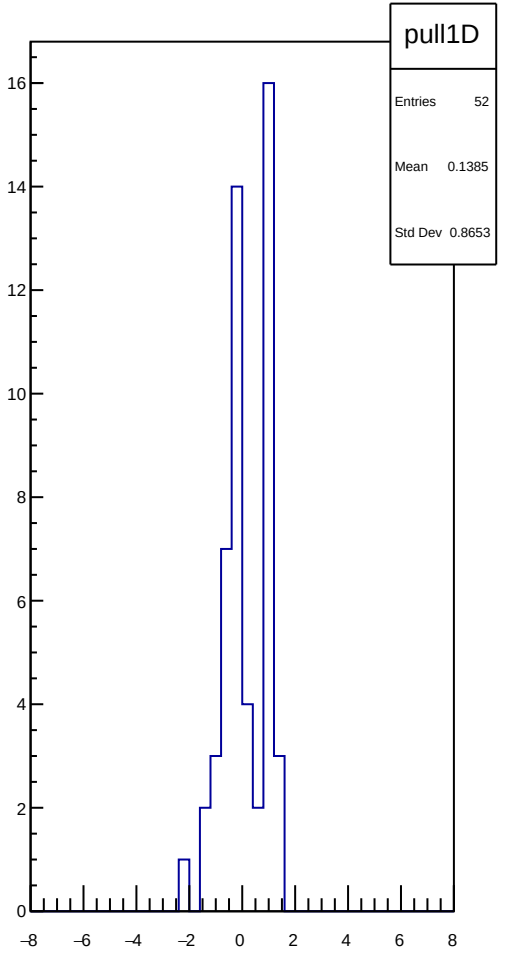

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ^2 / ndf 9.239 / 51
p0 2.876 ± 0.6392
pull
Entries 52
Mean −29.05
Std Dev 0
pull1D
Entries 52
Mean −0.07109
Std Dev 0.4155

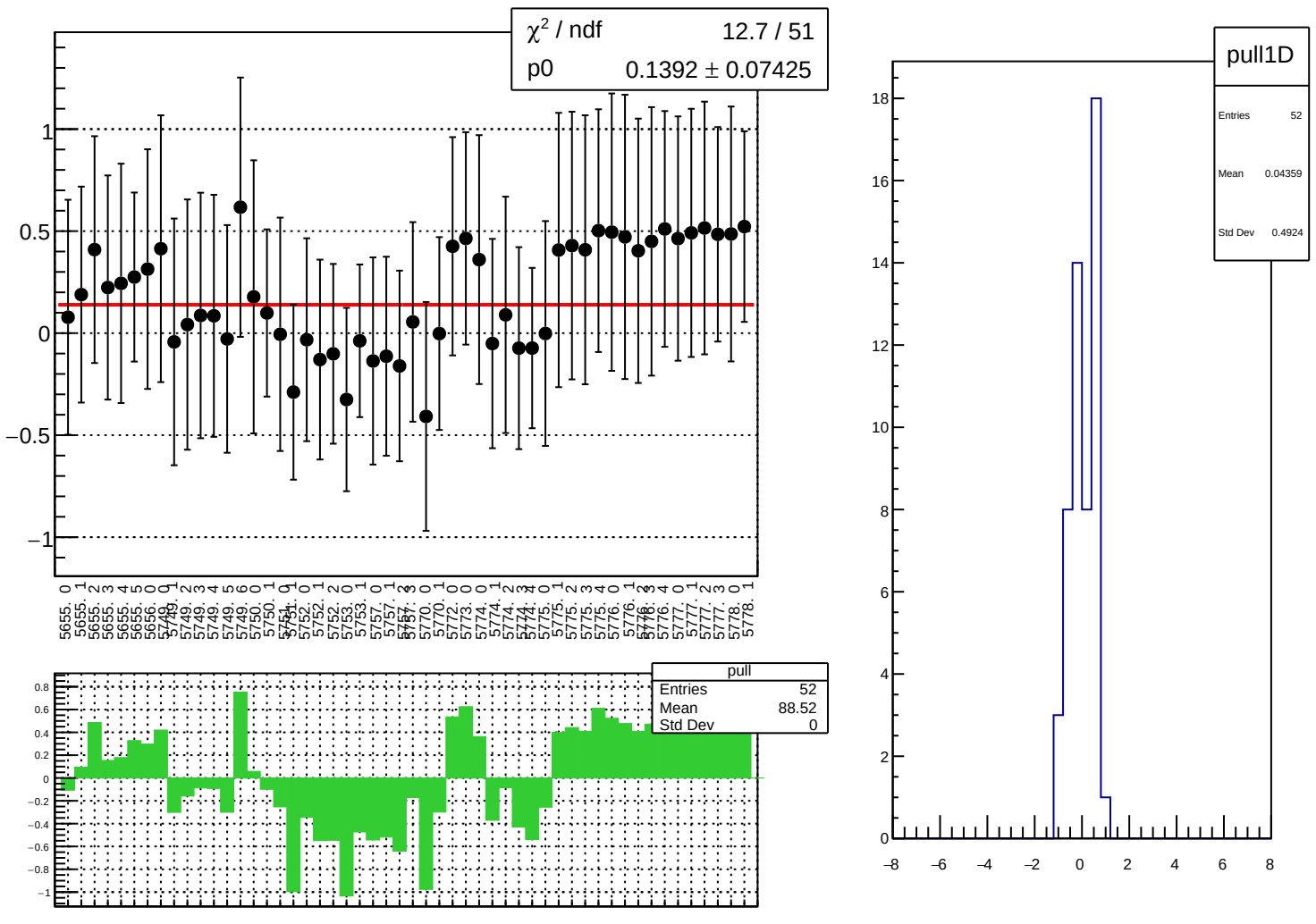

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 52.48 / 51
p0 −7.732 ± 1.204
pull
Entries 52
Mean 59.68
Std Dev 0
pull1D
Entries 52
Mean −0.2159
Std Dev 0.9811

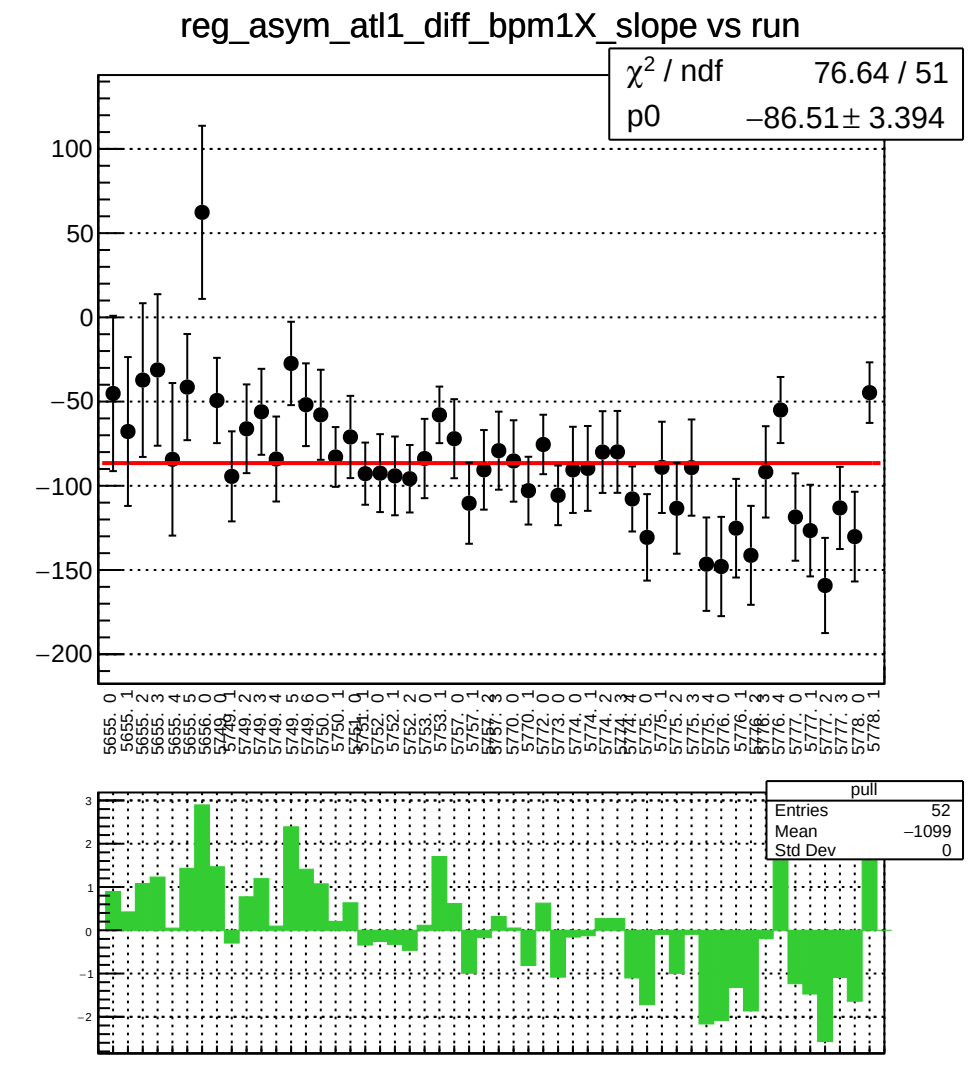

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.221 / 51
p0 −70.87 ± 0.974
pull
Entries 52
Mean −344.9
Std Dev 0

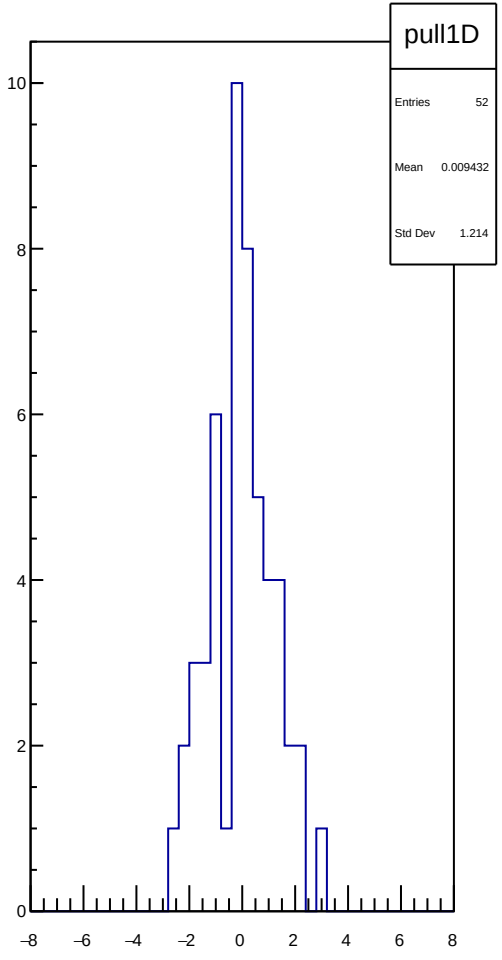

pull1D
Entries 52
Mean 0.009068
Std Dev 0.3975

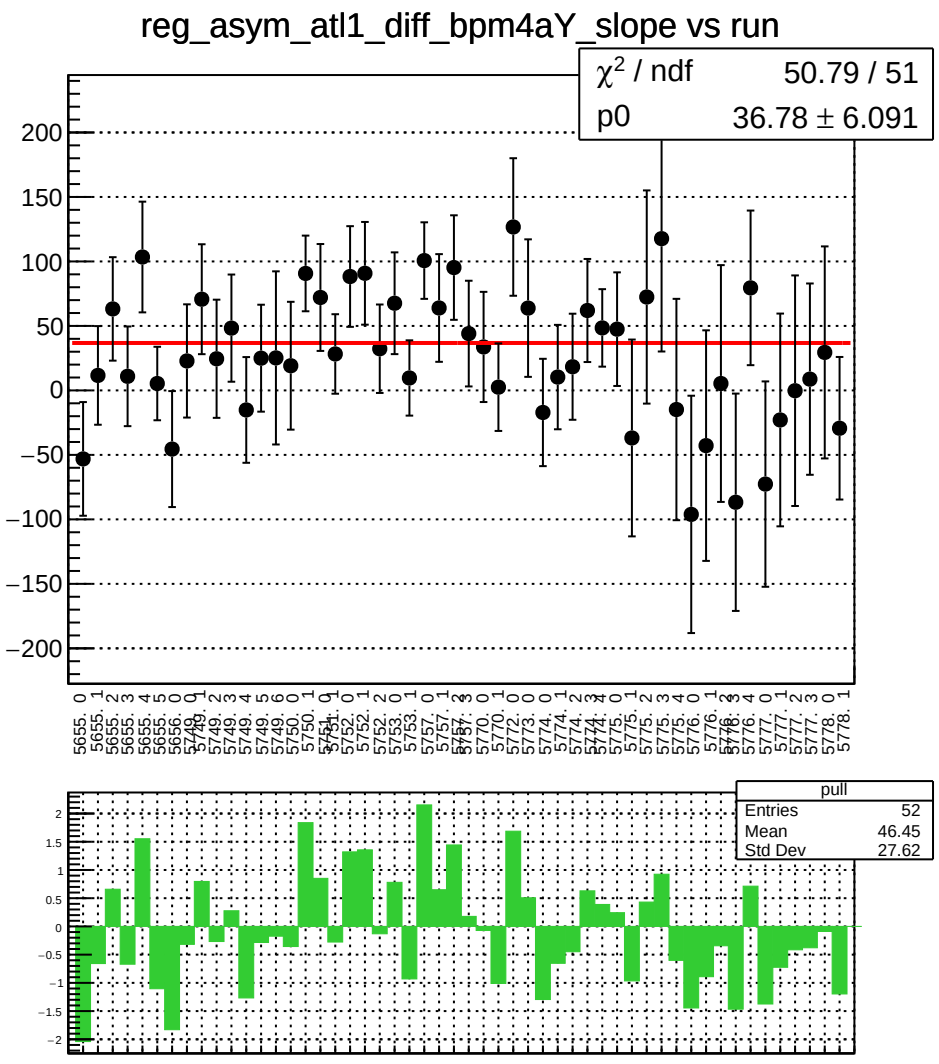

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 39.93 / 51
p0 −7.607 ± 1.284
pull
Entries 52
Mean 80.01
Std Dev 0

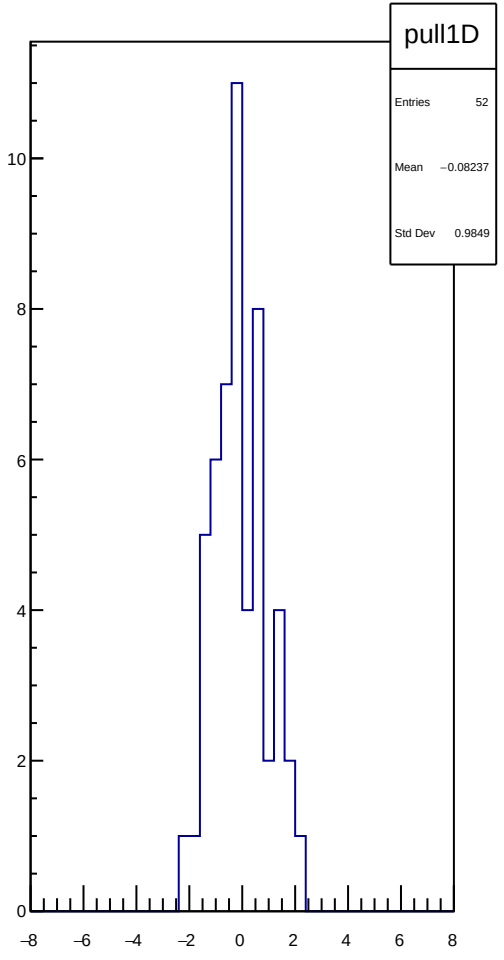

pull1D
Entries 52
Mean 0.1385
Std Dev 0.8653

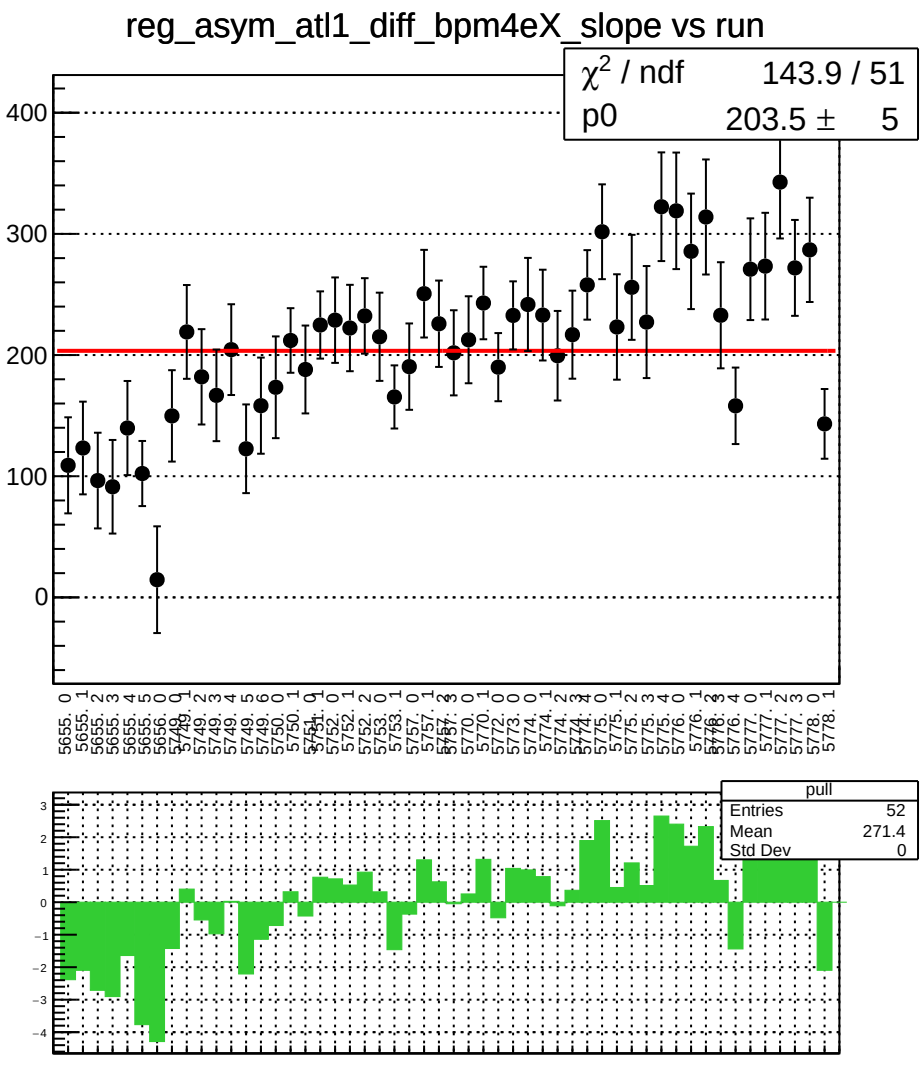

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 12.7 / 51
p0 0.1392 ± 0.07425
pull
Entries 52
Mean 88.52
Std Dev 0
pull1D
Entries 52
Mean 0.04359
Std Dev 0.4924

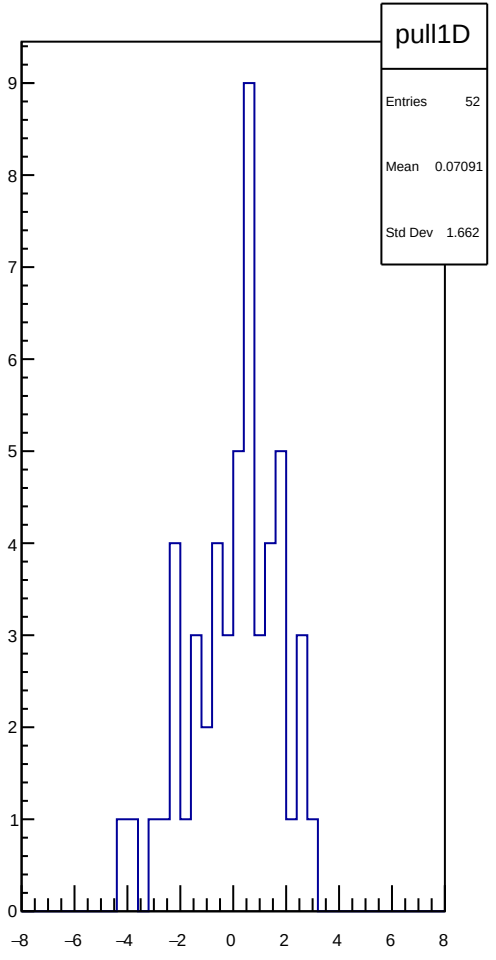

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 76.64 / 51
p0 −86.51 ± 3.394
pull
Entries 52
Mean −1099
Std Dev 0

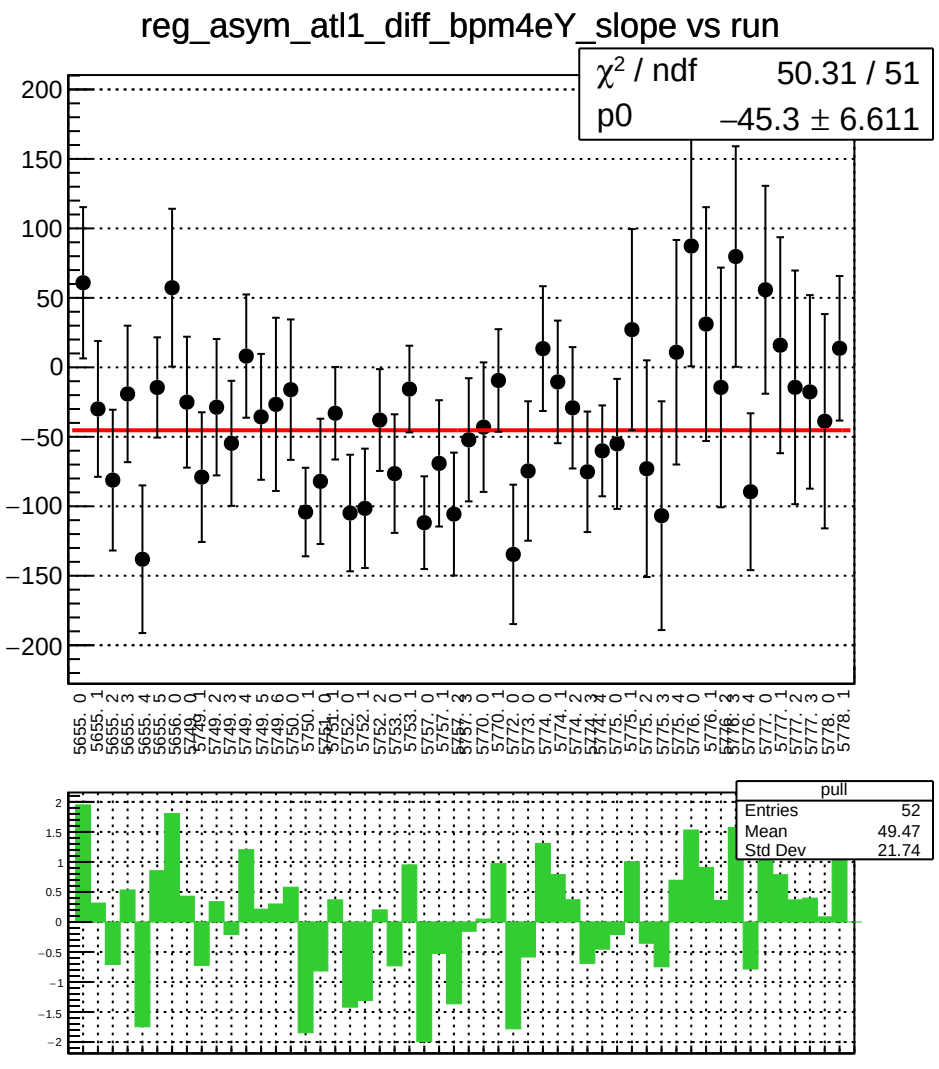

pull1D
Entries 52
Mean 0.009432
Std Dev 1.214

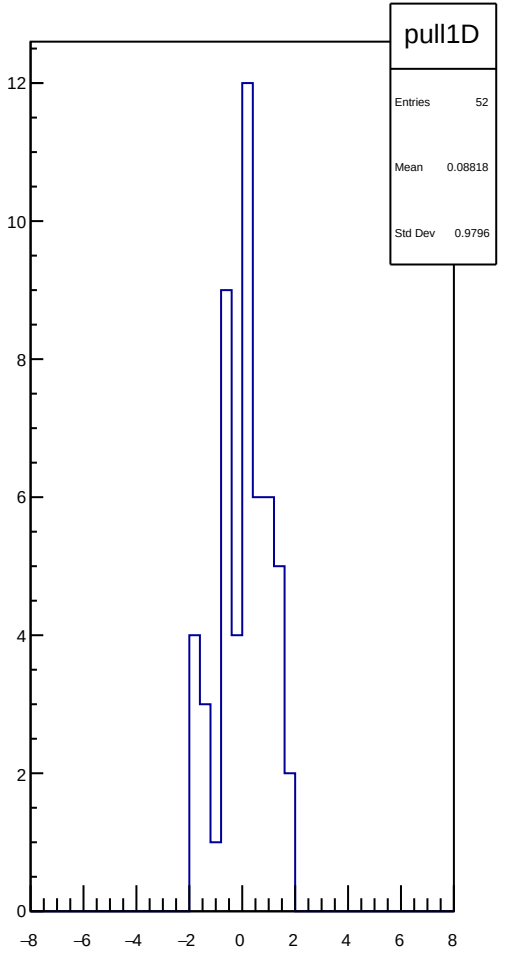

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 50.79 / 51
p0 36.78 ± 6.091
pull
Entries 52
Mean 46.45
Std Dev 27.62

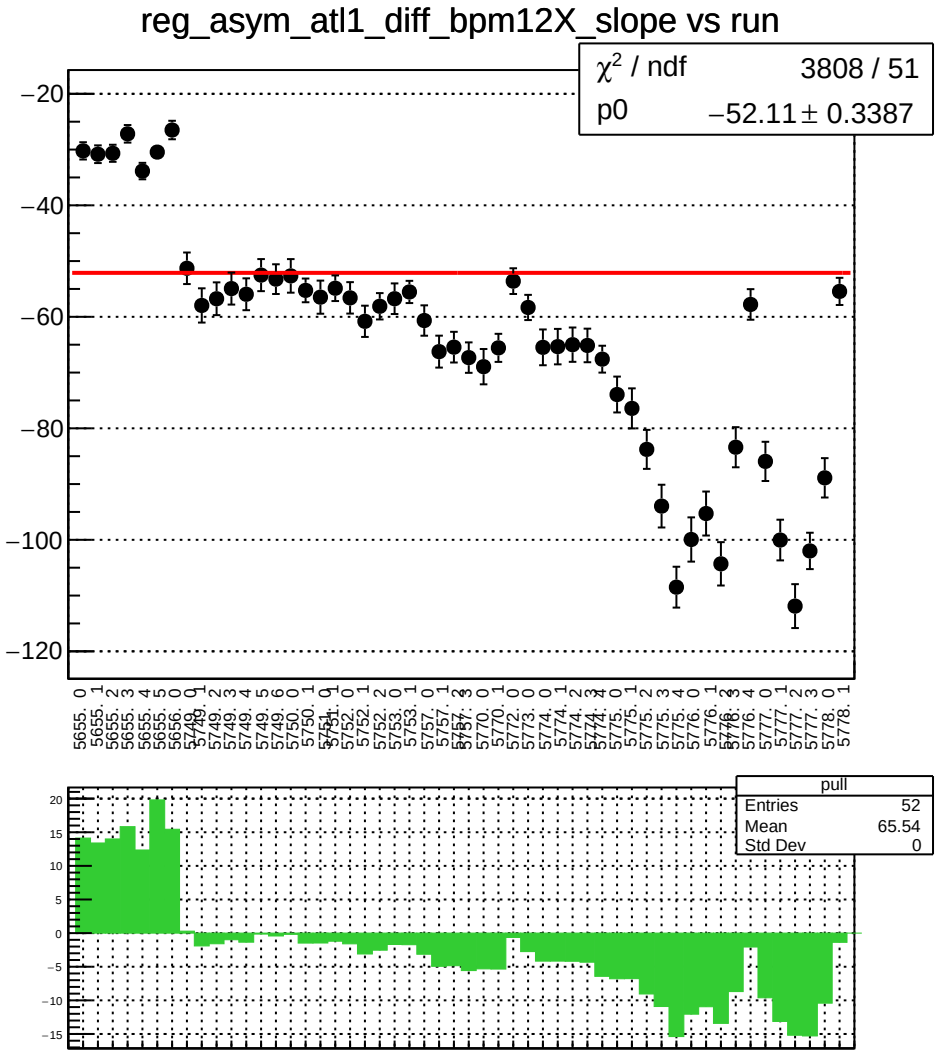

pull1D
Entries 52
Mean −0.08237
Std Dev 0.9849

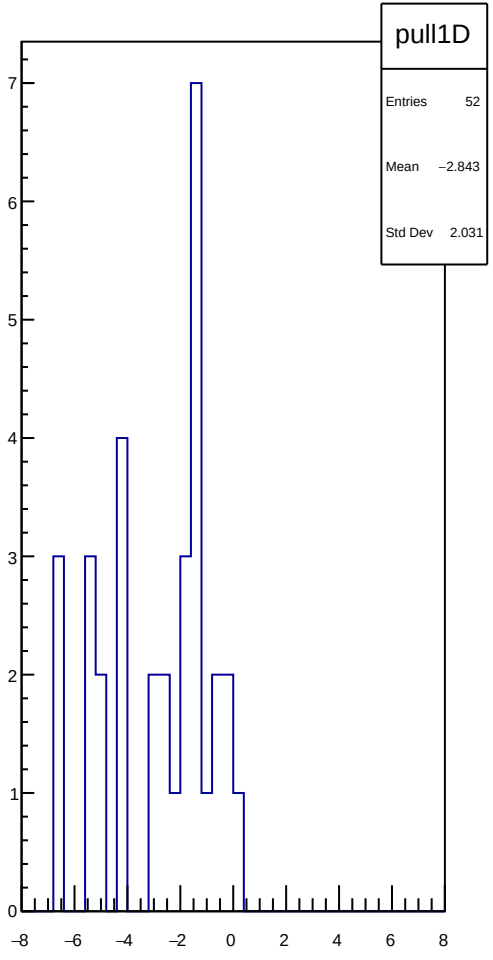

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 143.9 / 51
p0 203.5 ± 5
pull
Entries 52
Mean 271.4
Std Dev 0

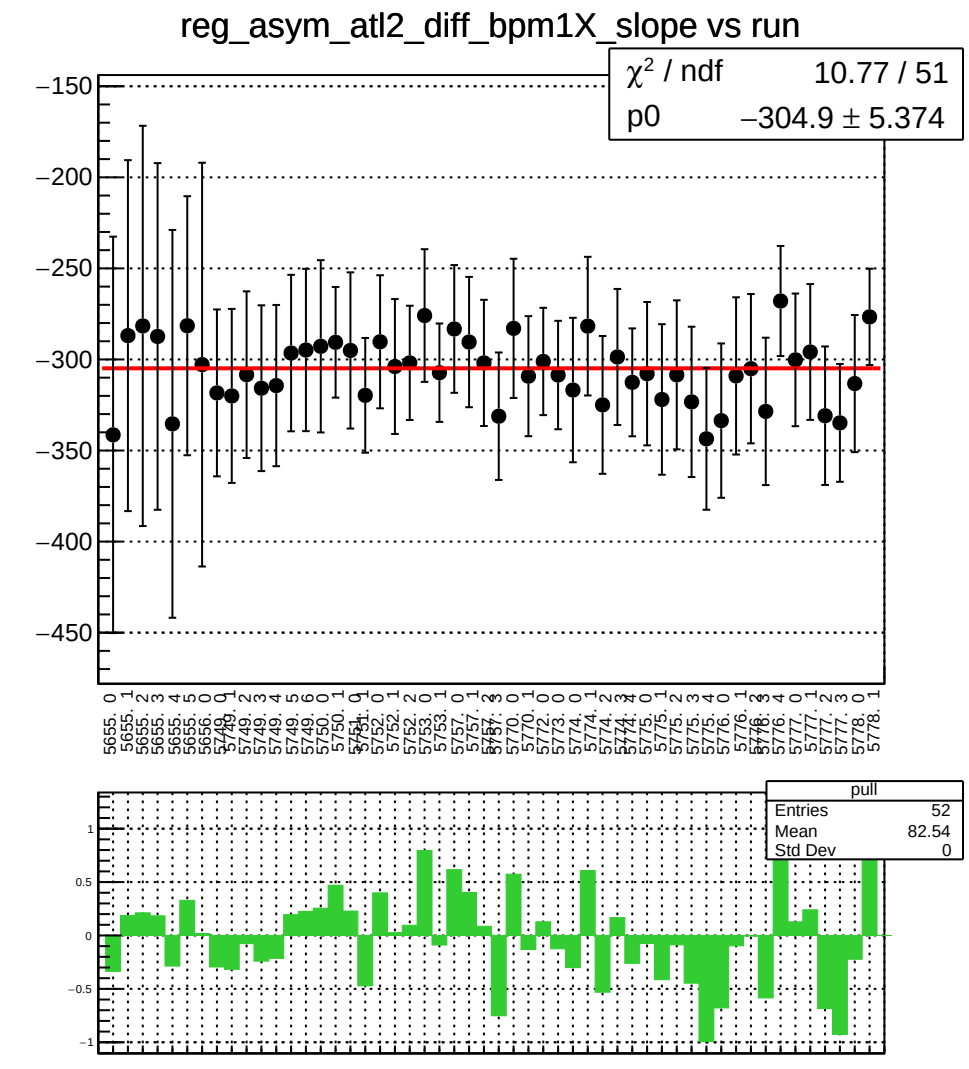

pull1D
Entries 52
Mean 0.07091
Std Dev 1.662

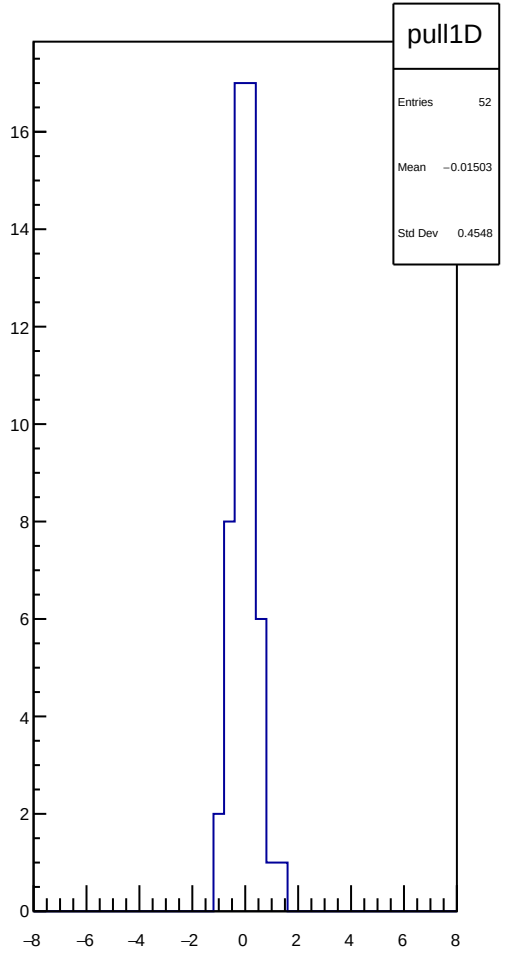

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 50.31 / 51
p0 −45.3 ± 6.611
pull
Entries 52
Mean 49.47
Std Dev 21.74

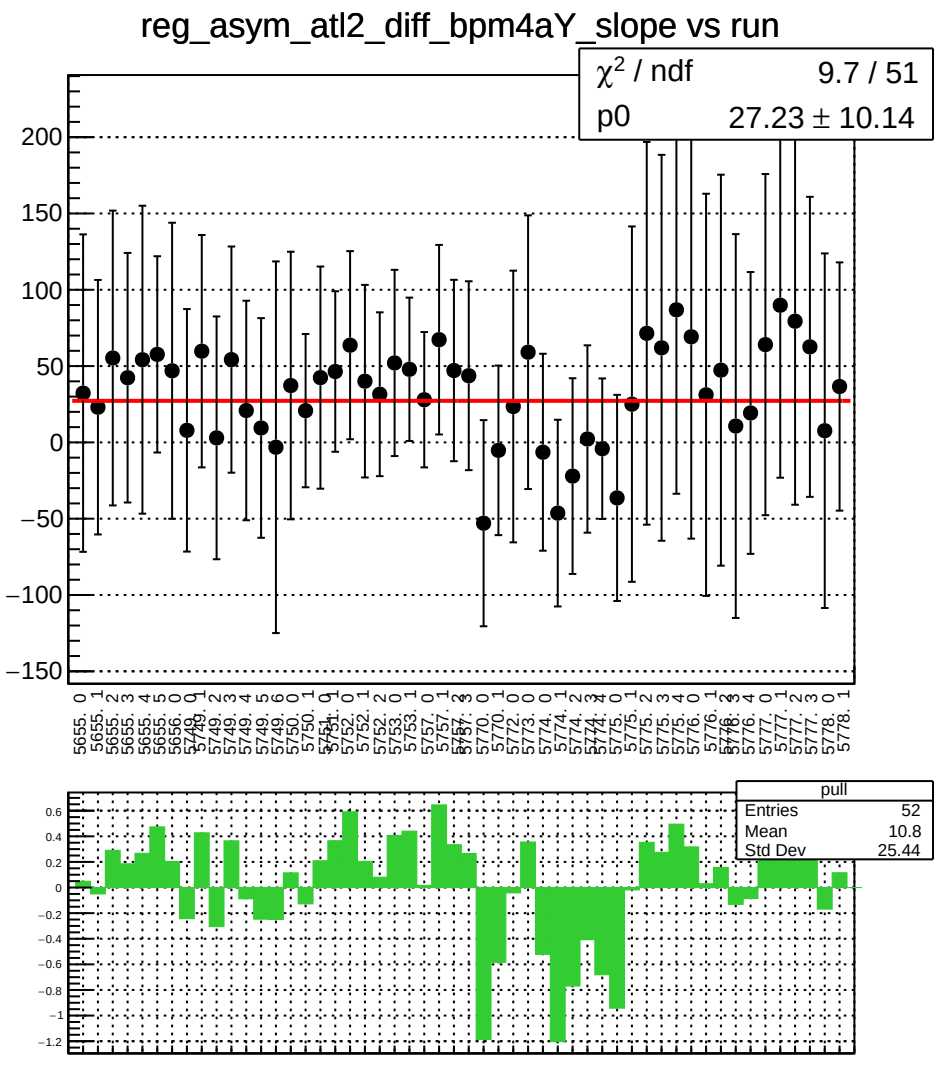

pull1D
Entries 52
Mean 0.08818
Std Dev 0.9796

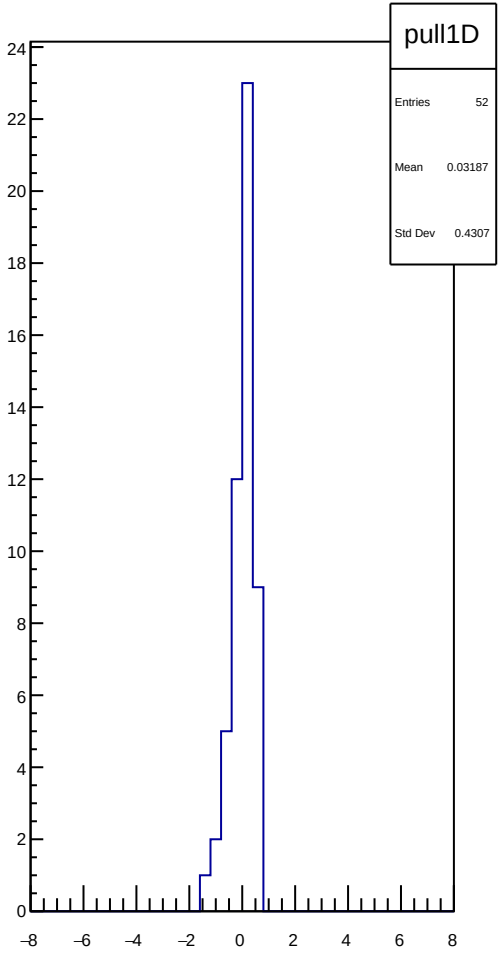

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 3808 / 51
p0 −52.11 ± 0.3387
pull
Entries 52
Mean 65.54
Std Dev 0

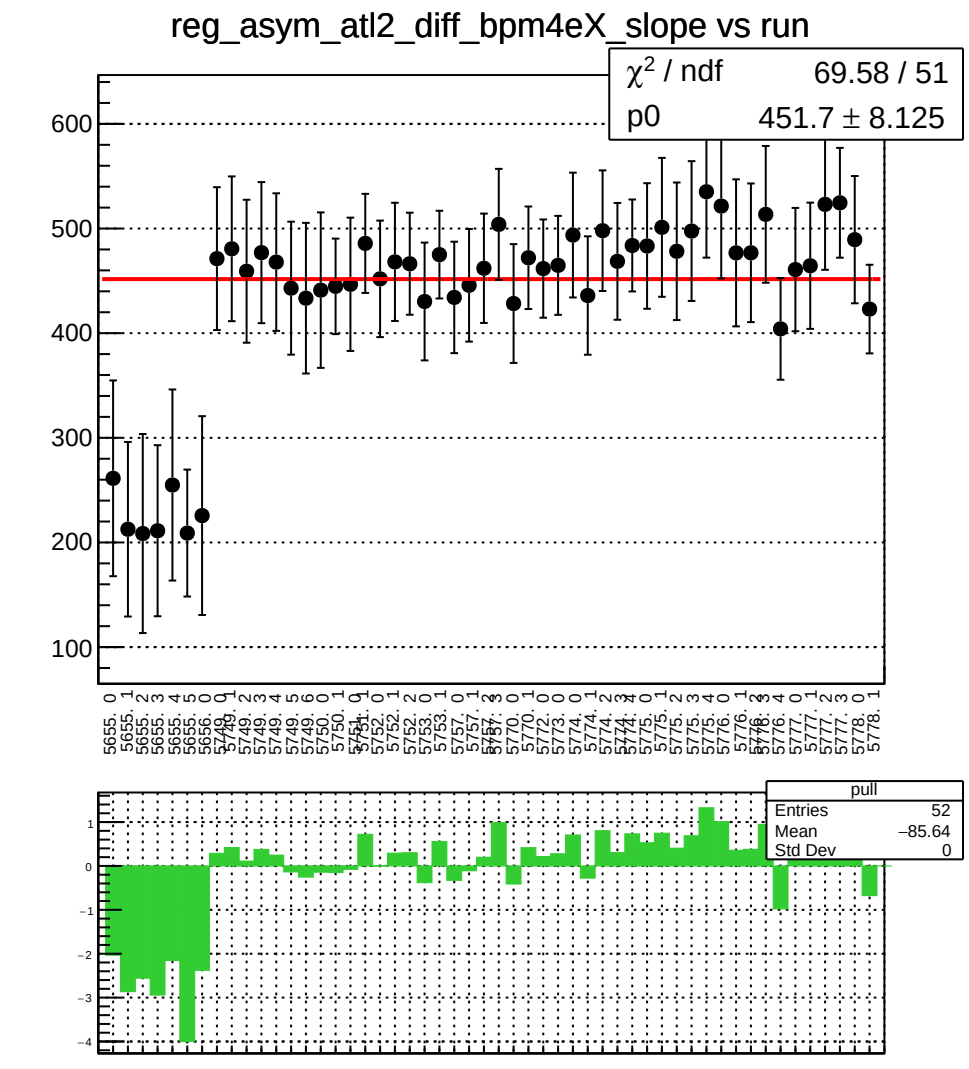

pull1D
Entries 52
Mean −2.843
Std Dev 2.031

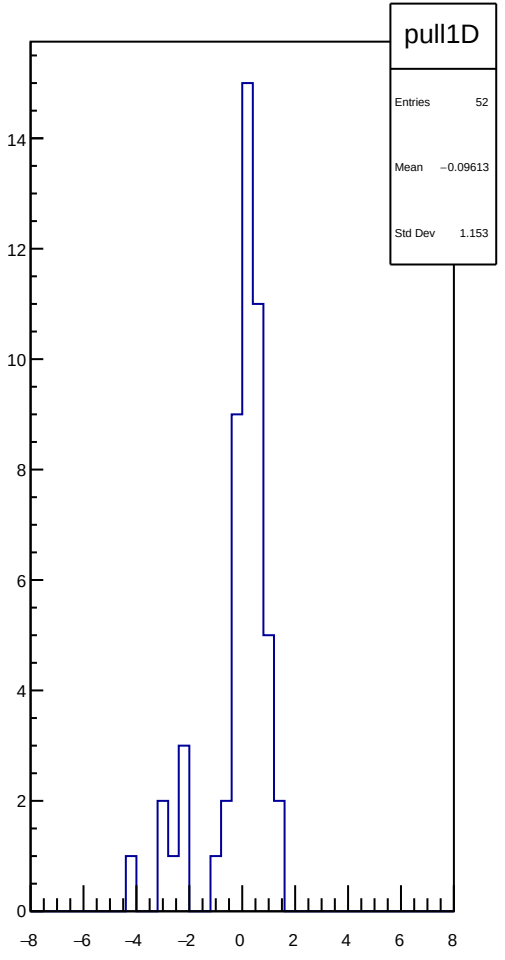

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 10.77 / 51
p0 −304.9 ± 5.374
pull
Entries 52
Mean 82.54
Std Dev 0

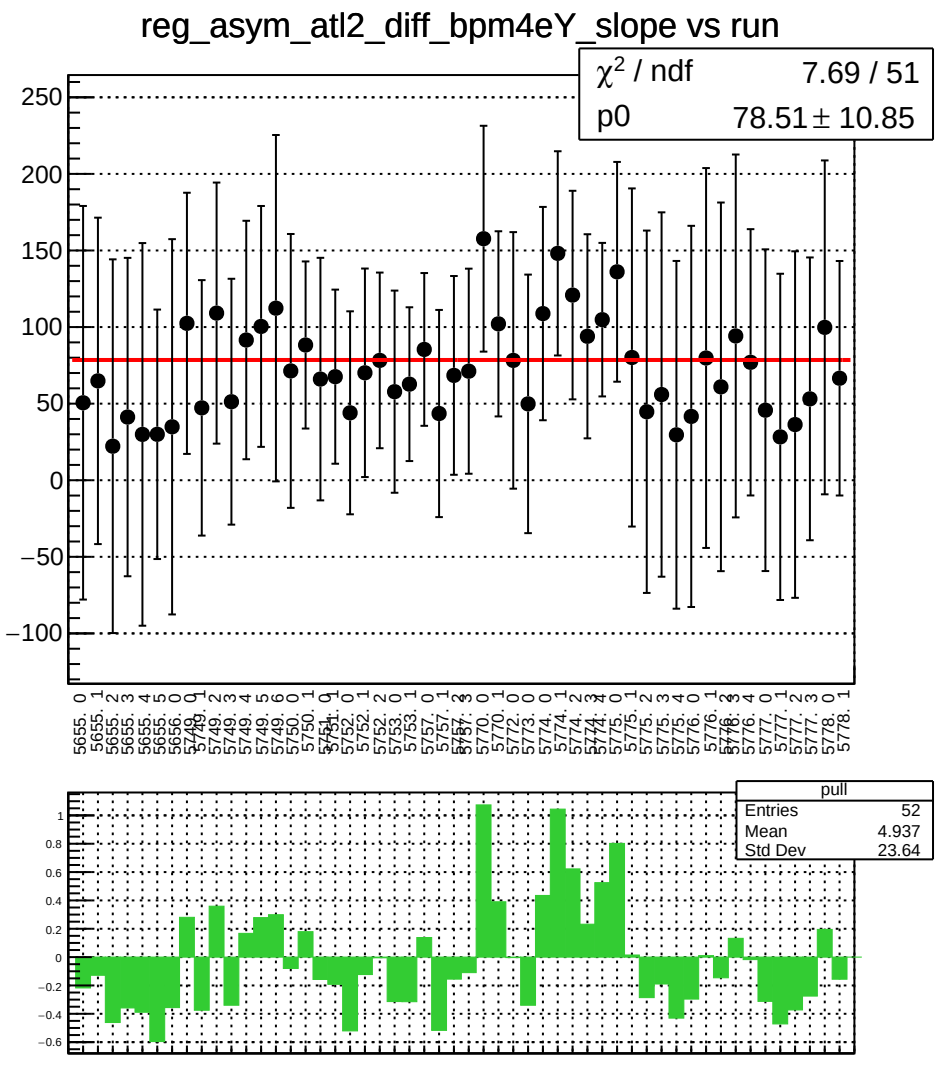

pull1D
Entries 52
Mean −0.01503
Std Dev 0.4548

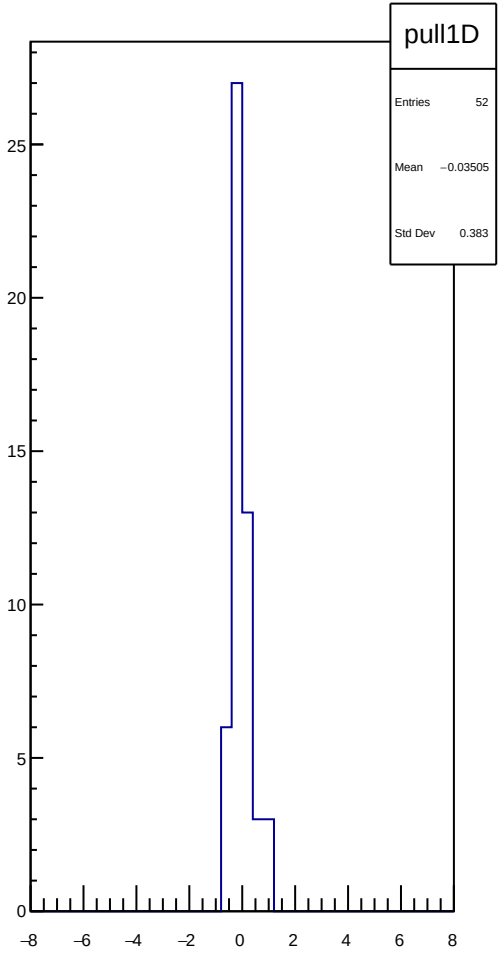

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 9.7 / 51
p0 27.23 ± 10.14
pull
Entries 52
Mean 10.8
Std Dev 25.44

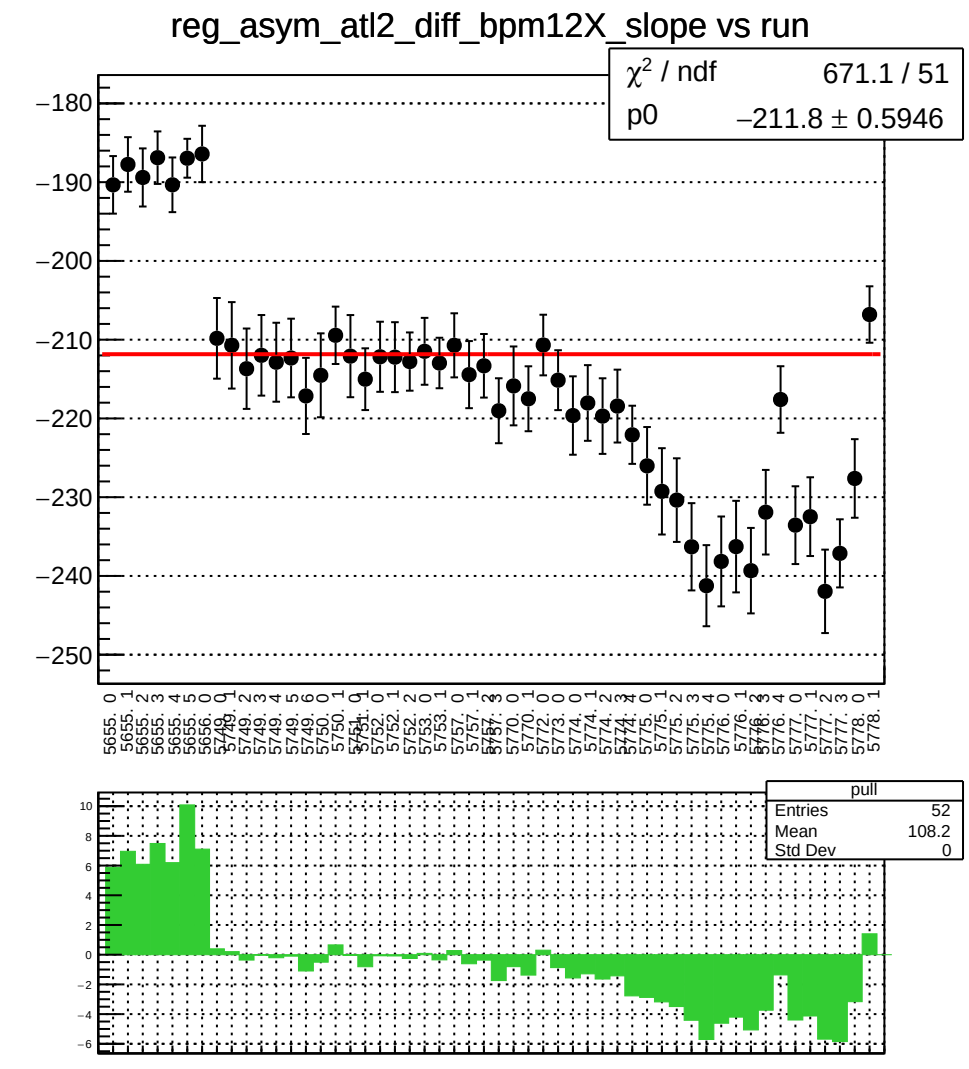

pull1D
Entries 52
Mean 0.03187
Std Dev 0.4307

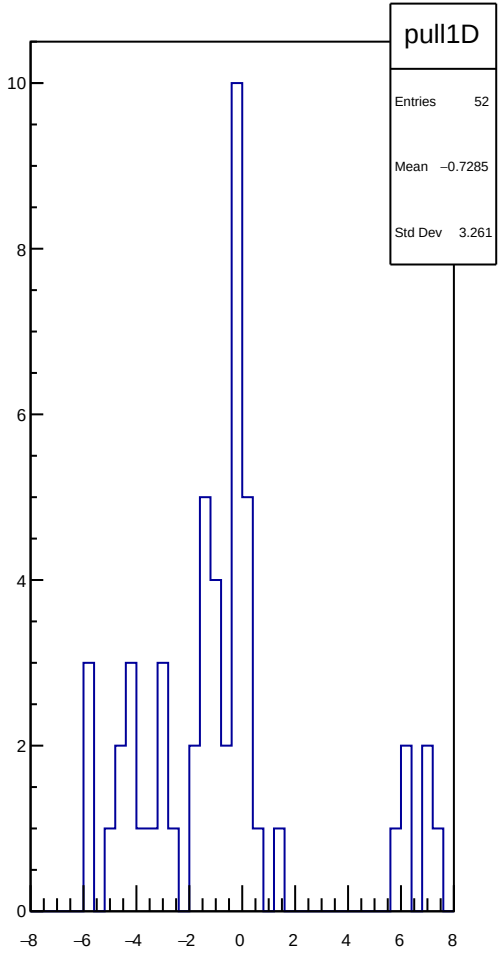

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 69.58 / 51
p0 451.7 ± 8.125
pull
Entries 52
Mean −85.64
Std Dev 0

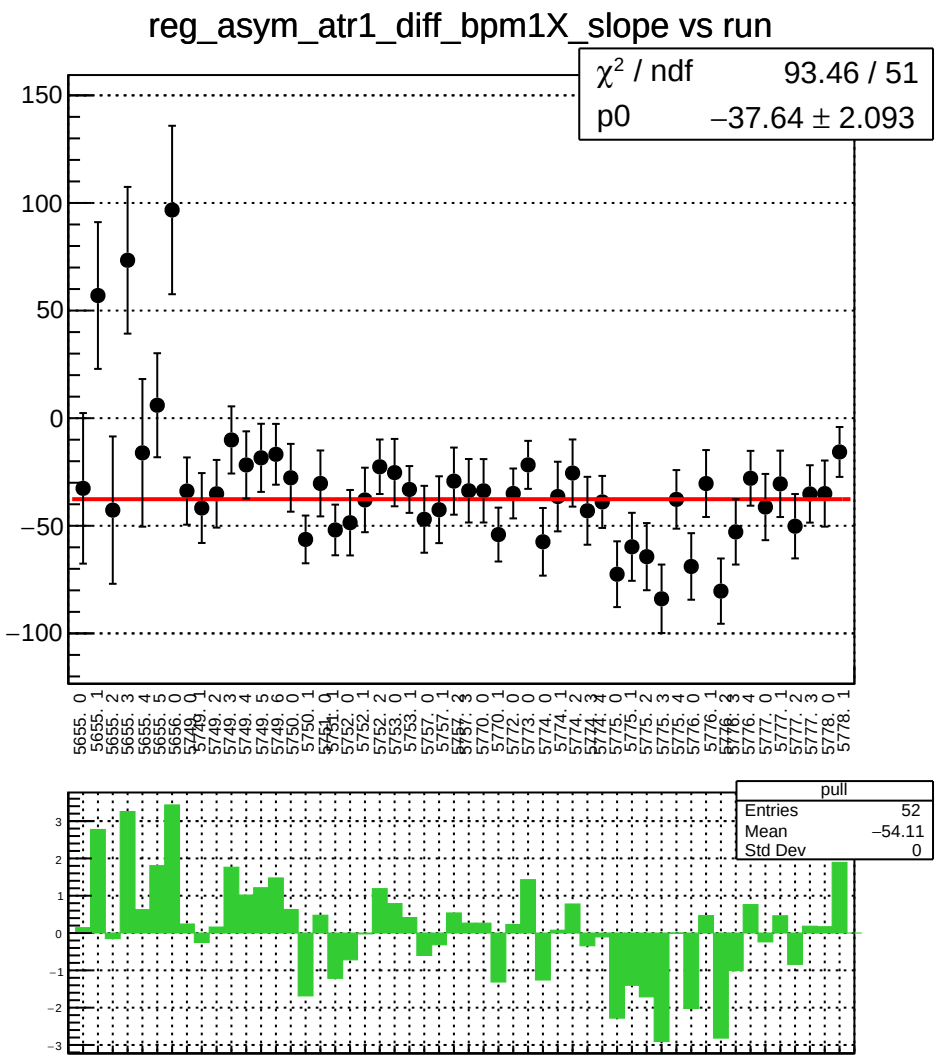

pull1D
Entries 52
Mean −0.09613
Std Dev 1.153

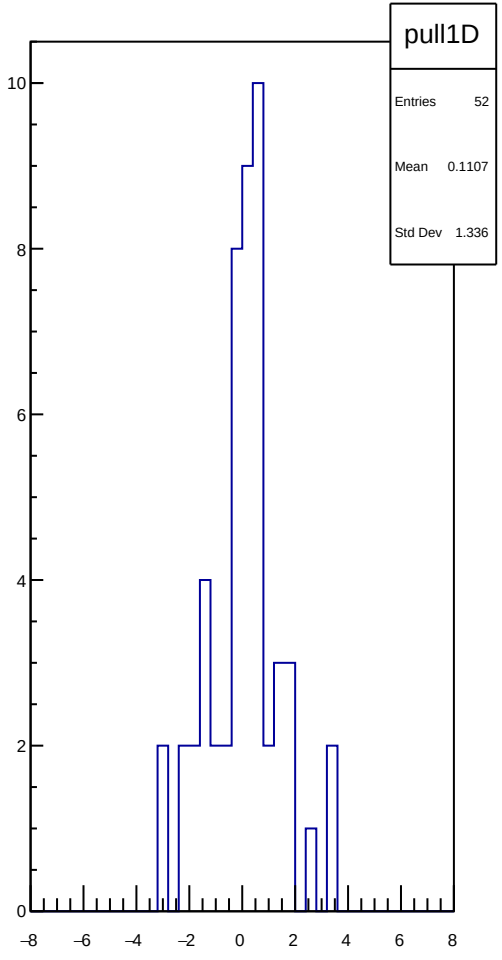

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 7.69 / 51
p0 78.51 ± 10.85
pull
Entries 52
Mean 4.937
Std Dev 23.64

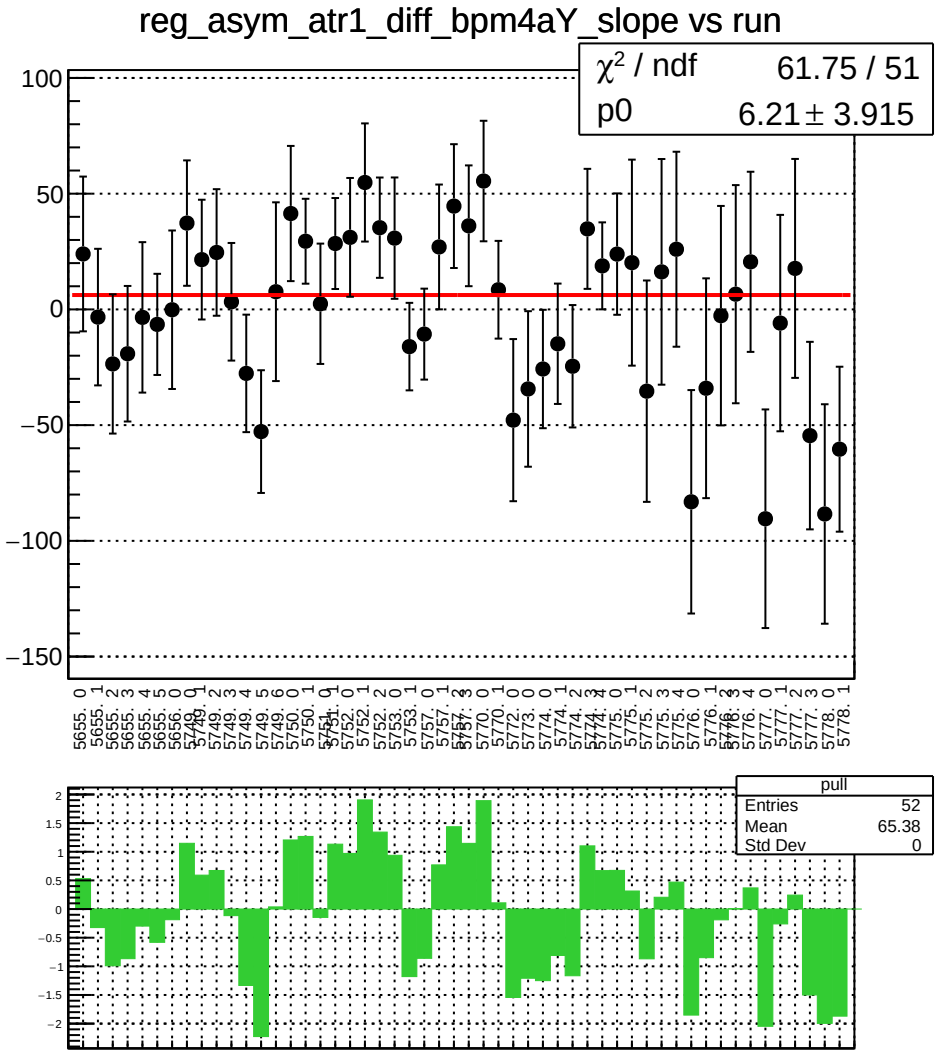

pull1D
Entries 52
Mean −0.03505
Std Dev 0.383

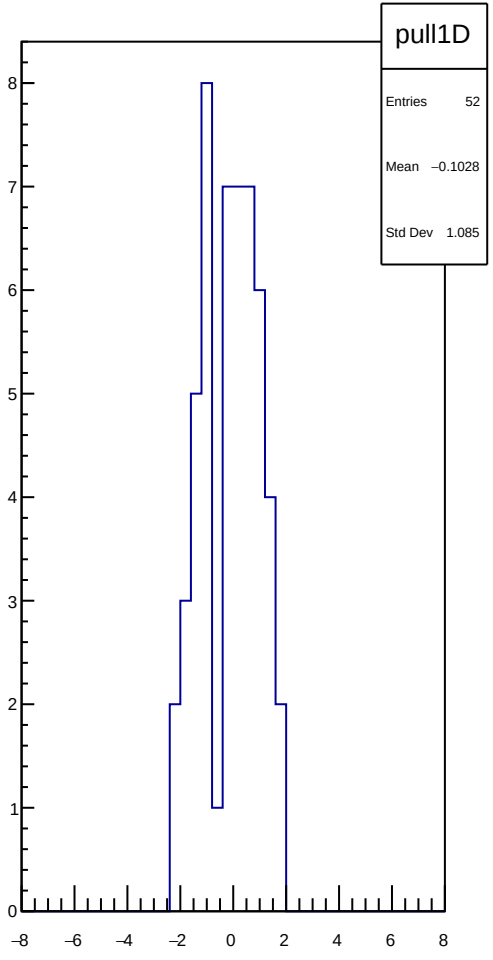

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 671.1 / 51
p0 −211.8 ± 0.5946
pull
Entries 52
Mean 108.2
Std Dev 0

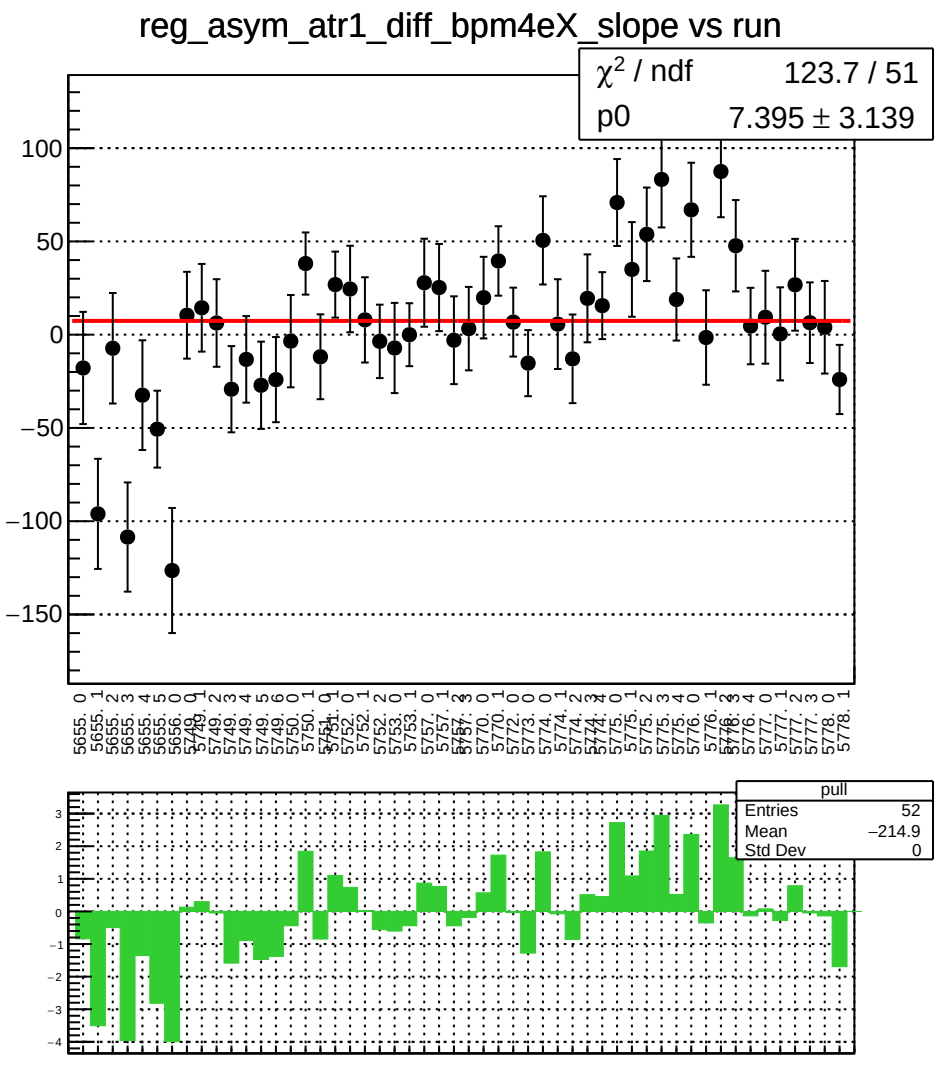

pull1D
Entries 52
Mean −0.7285
Std Dev 3.261

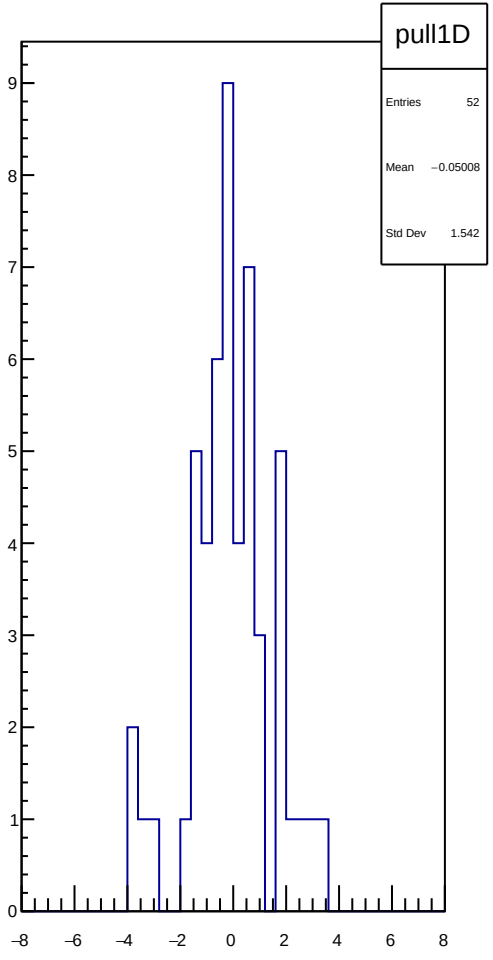

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 93.46 / 51
p0 −37.64 ± 2.093
150
100
50
0
−50
−100
pull
Entries 52
Mean −54.11
Std Dev 0
3
2
1
0
−1
−2
−3

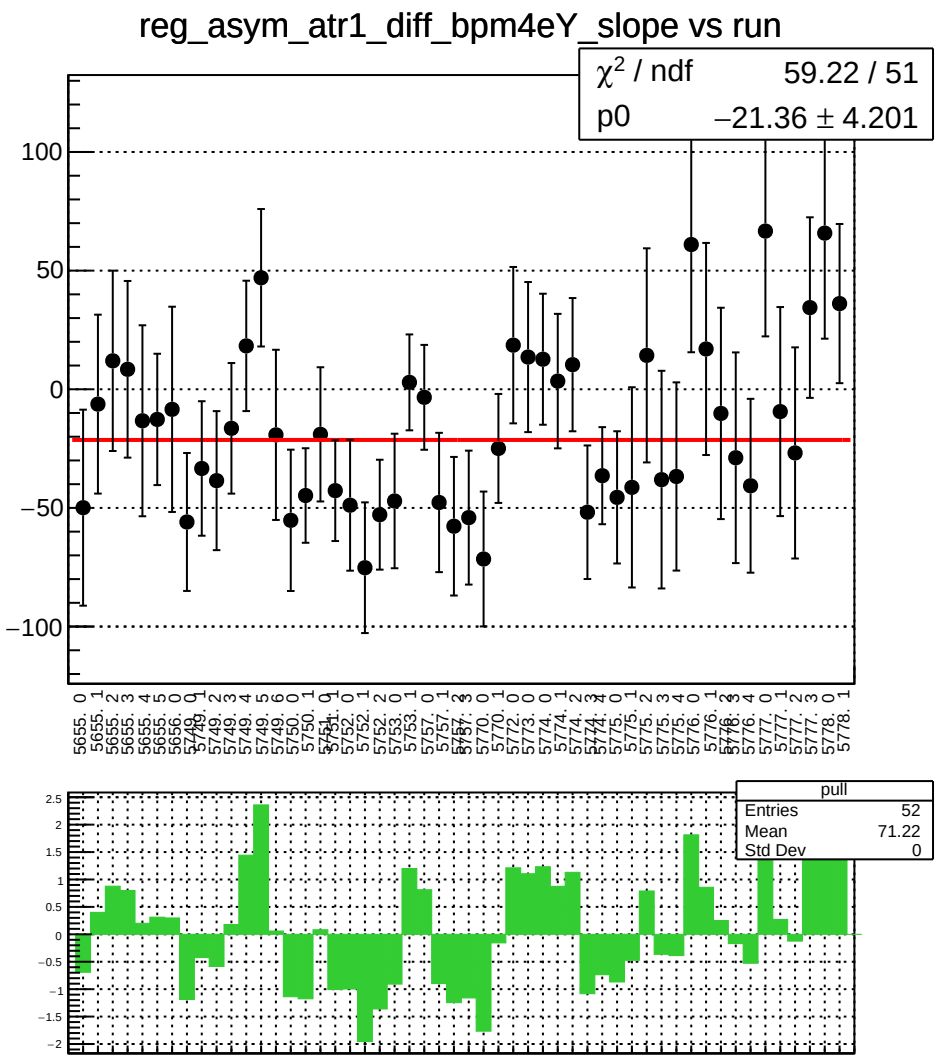

pull1D
Entries 52
Mean 0.1107
Std Dev 1.336
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

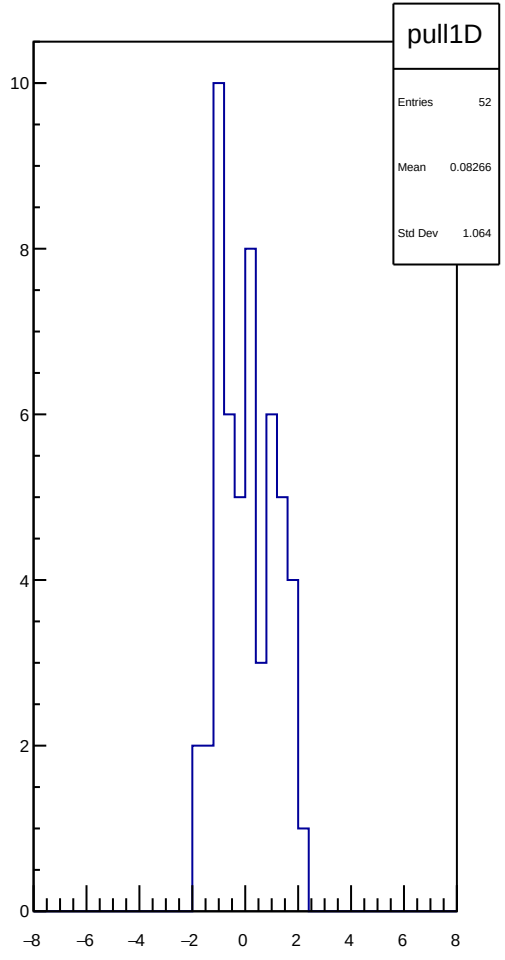

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 61.75 / 51
p0 6.21 ± 3.915
pull
Entries 52
Mean 65.38
Std Dev 0

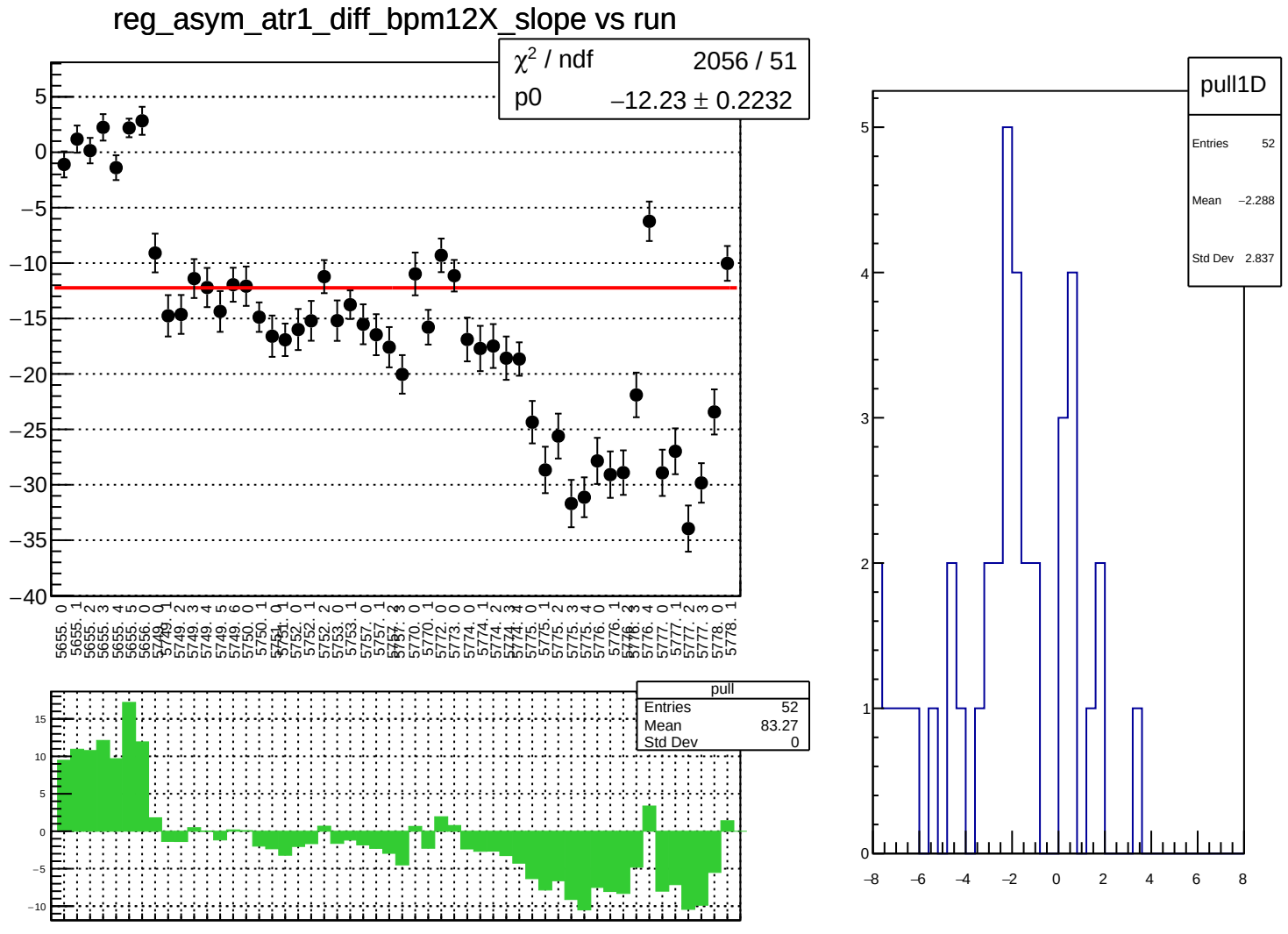

pull1D
Entries 52
Mean −0.1028
Std Dev 1.085

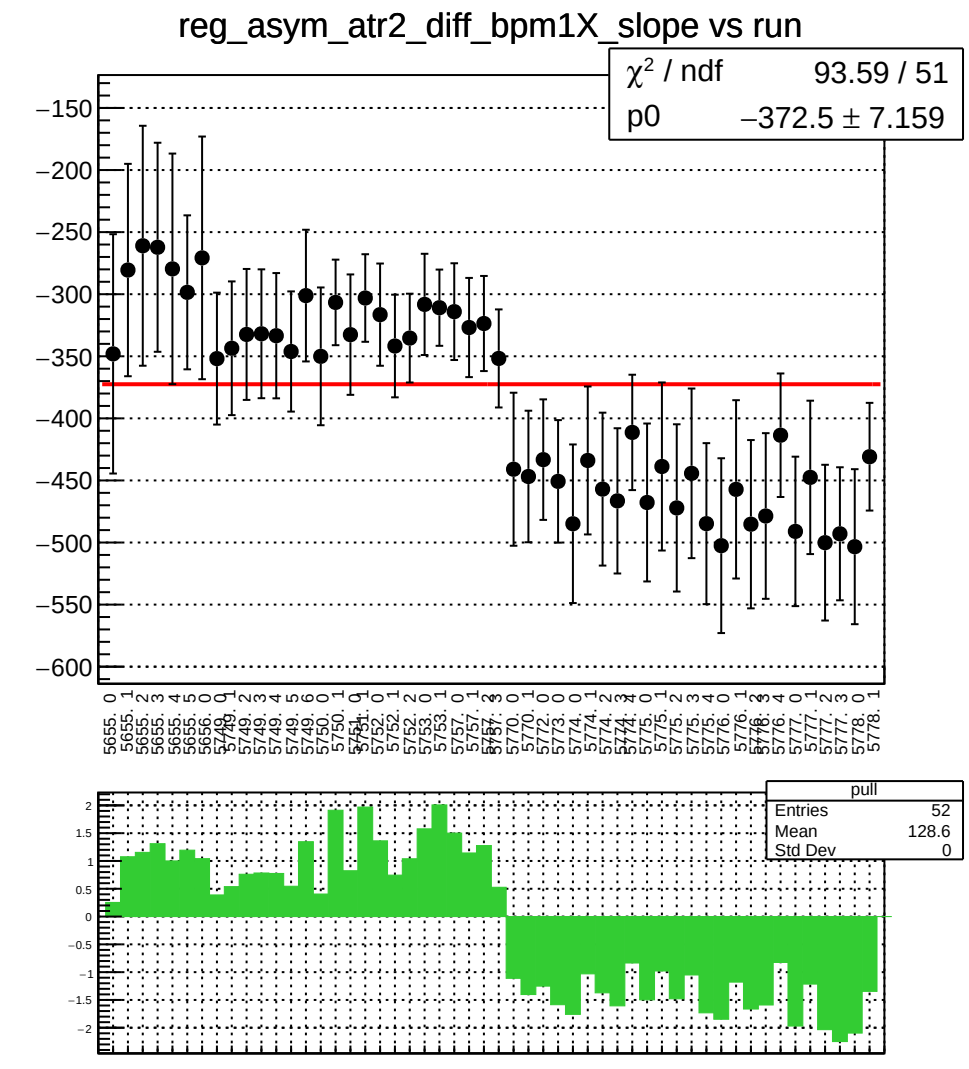

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 123.7 / 51
p0 7.395 ± 3.139
pull
Entries 52
Mean −214.9
Std Dev 0

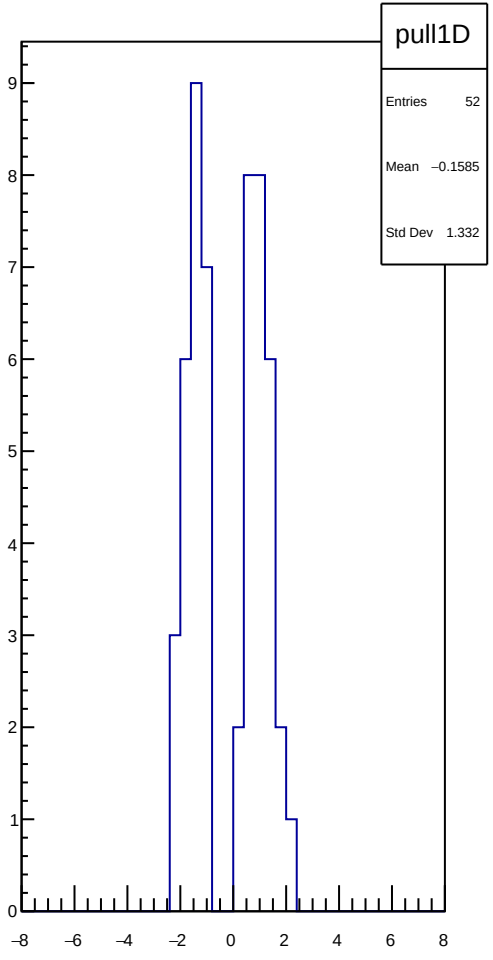

pull1D
Entries 52
Mean −0.05008
Std Dev 1.542

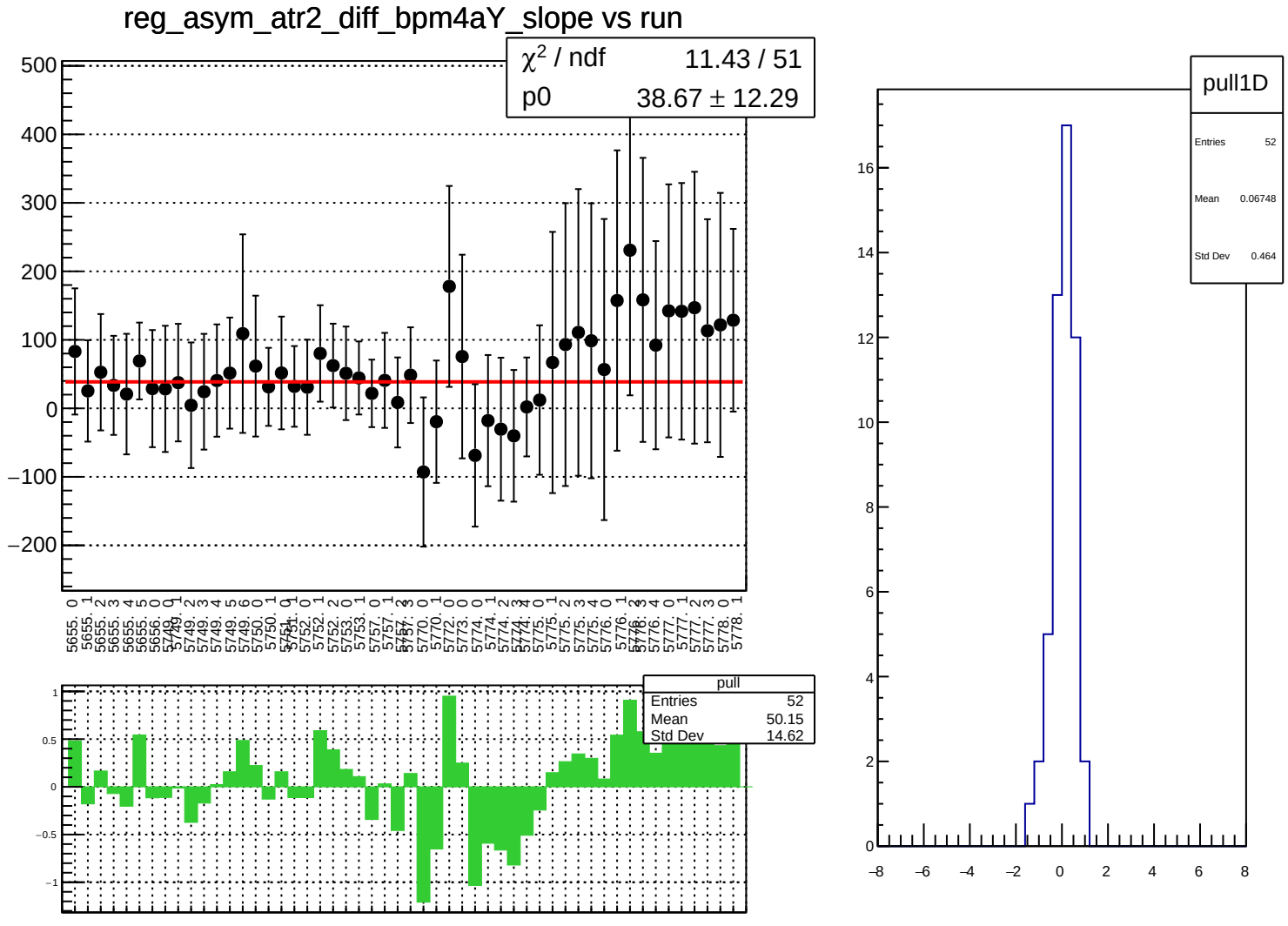

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 59.22 / 51
p0 −21.36 ± 4.201
100
50
0
−50
−100
pull
Entries 52
Mean 71.22
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

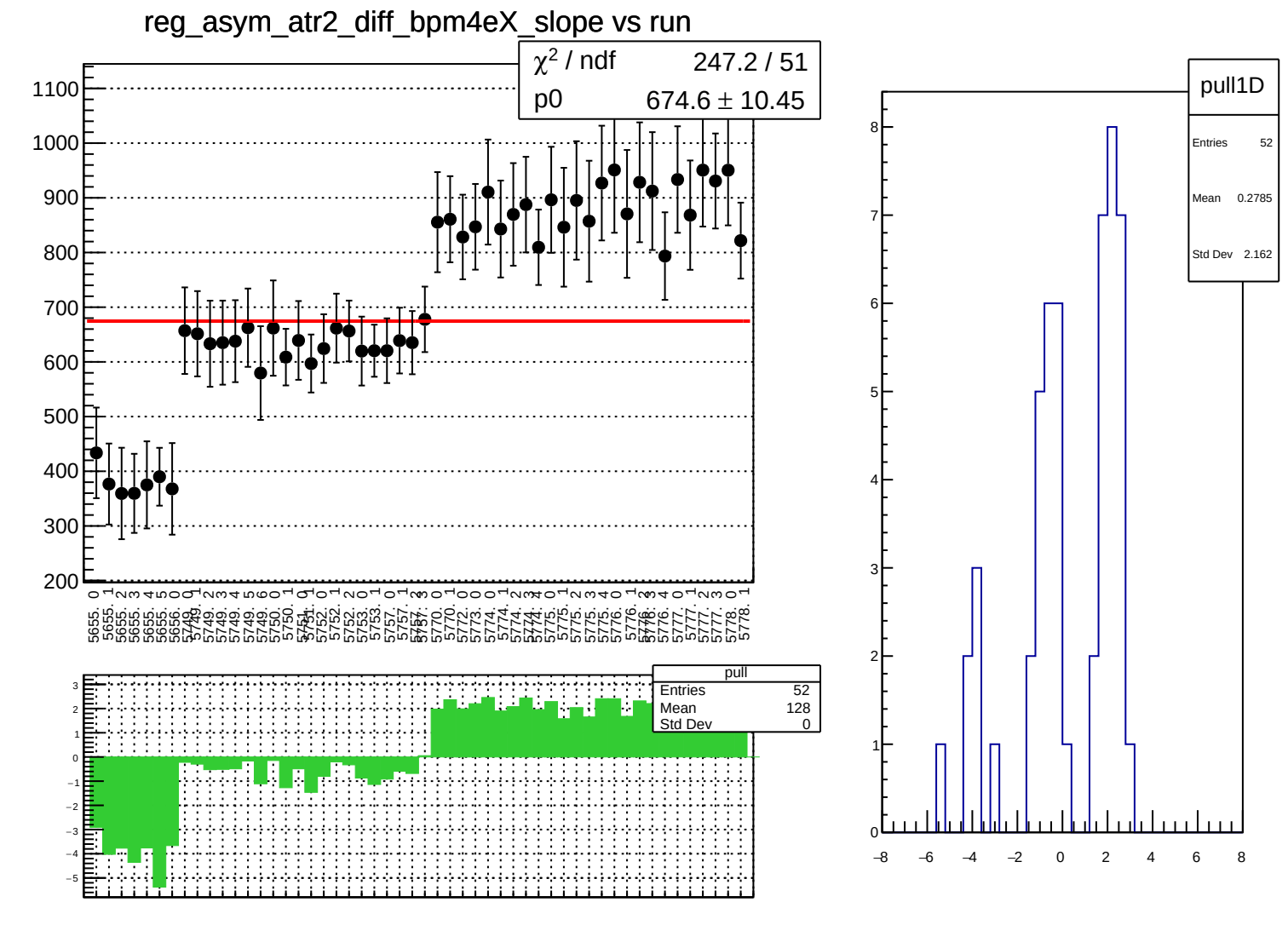

pull1D
Entries 52
Mean 0.08266
Std Dev 1.064
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

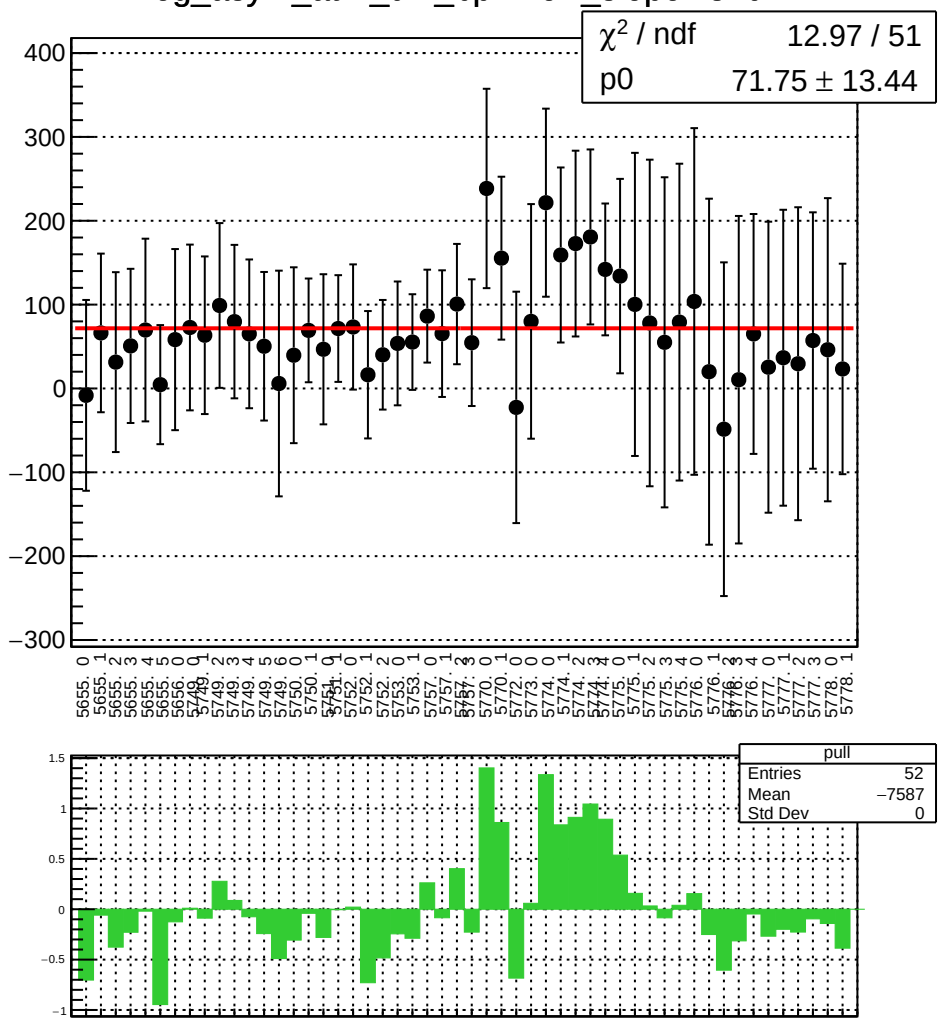

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 2056 / 51
p0 −12.23 ± 0.2232
pull
Entries 52
Mean 83.27
Std Dev 0
pull1D
Entries 52
Mean −2.288
Std Dev 2.837

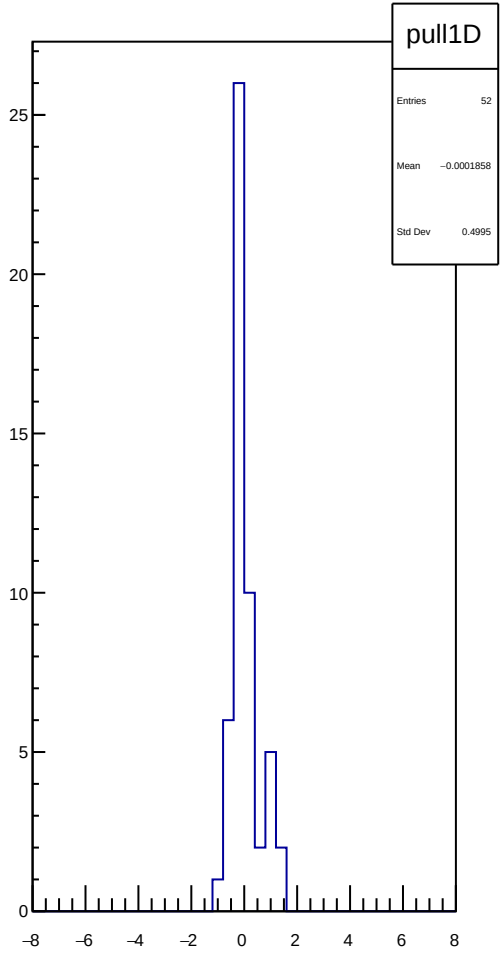

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 93.59 / 51
p0 −372.5 ± 7.159
pull
Entries 52
Mean 128.6
Std Dev 0

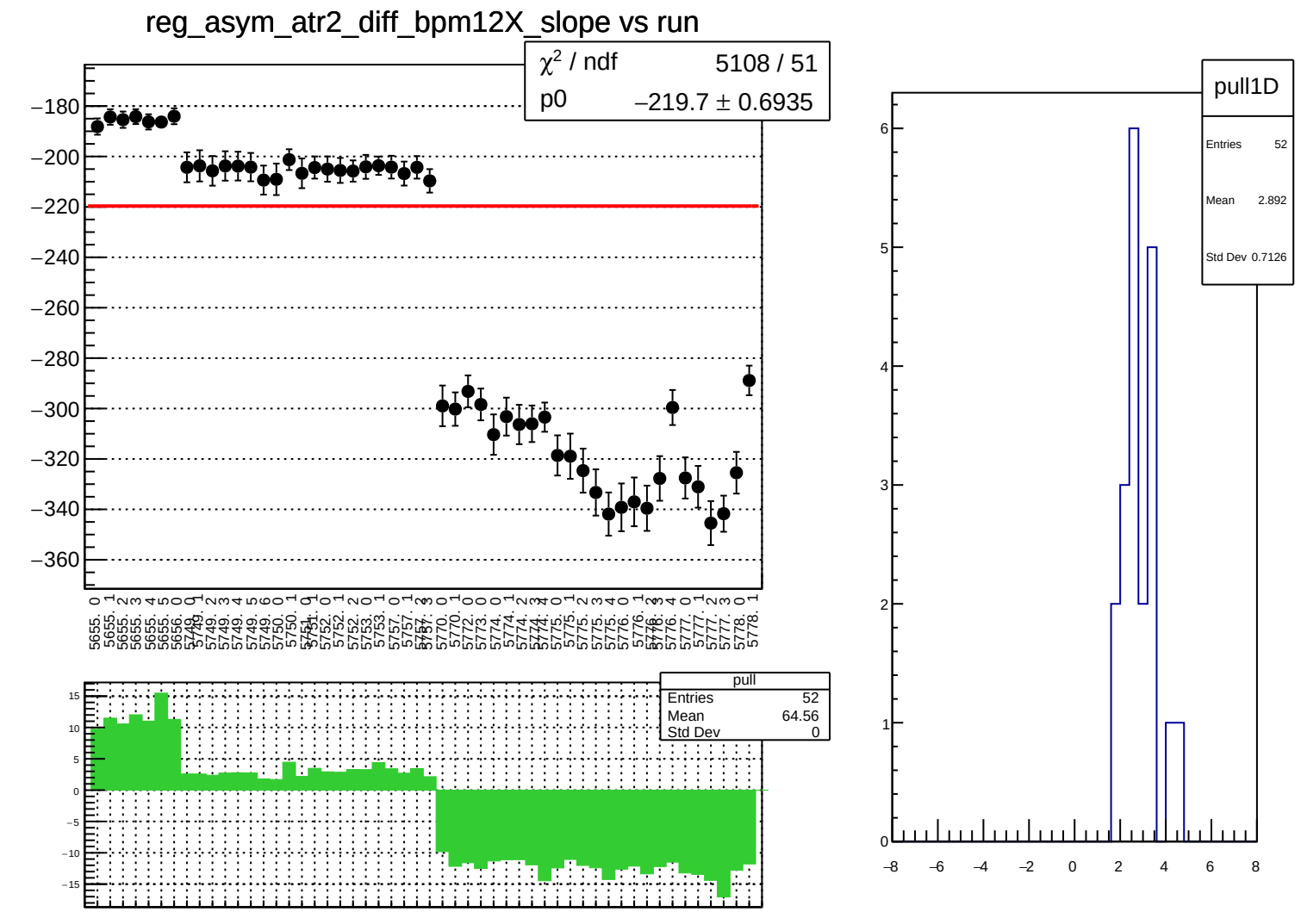

pull1D
Entries 52
Mean −0.1585
Std Dev 1.332

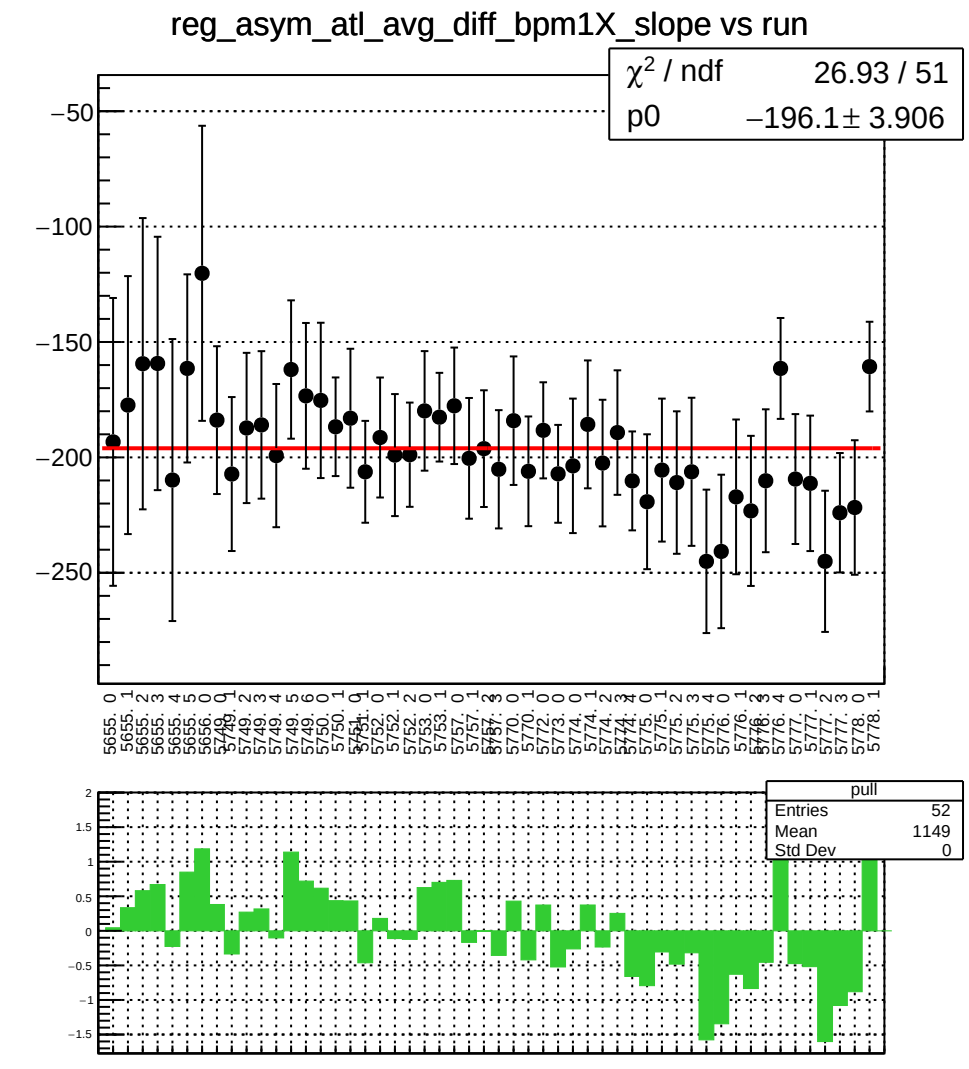

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 11.43 / 51
p0 38.67 ± 12.29
pull
Entries 52
Mean 50.15
Std Dev 14.62
pull1D
Entries 52
Mean 0.06748
Std Dev 0.464

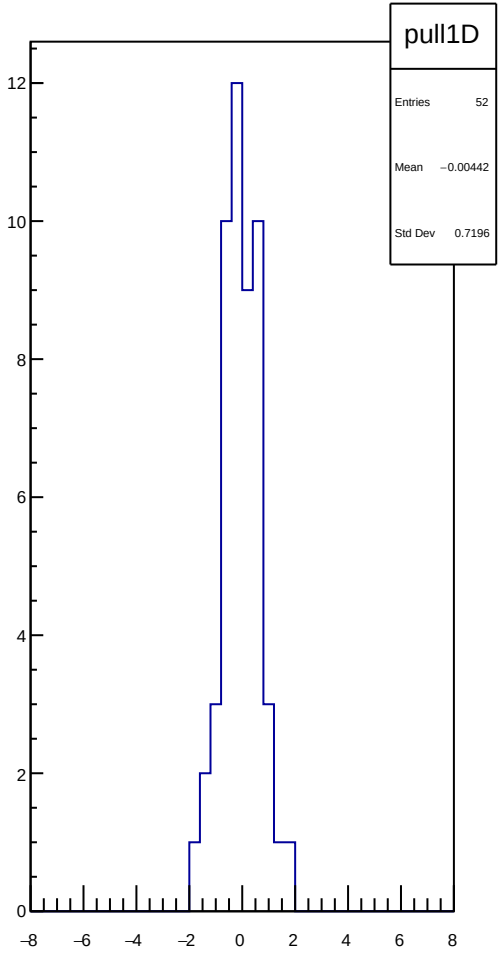

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 247.2 / 51
p0 674.6 ± 10.45
pull
Entries 52
Mean 128
Std Dev 0
pull1D
Entries 52
Mean 0.2785
Std Dev 2.162

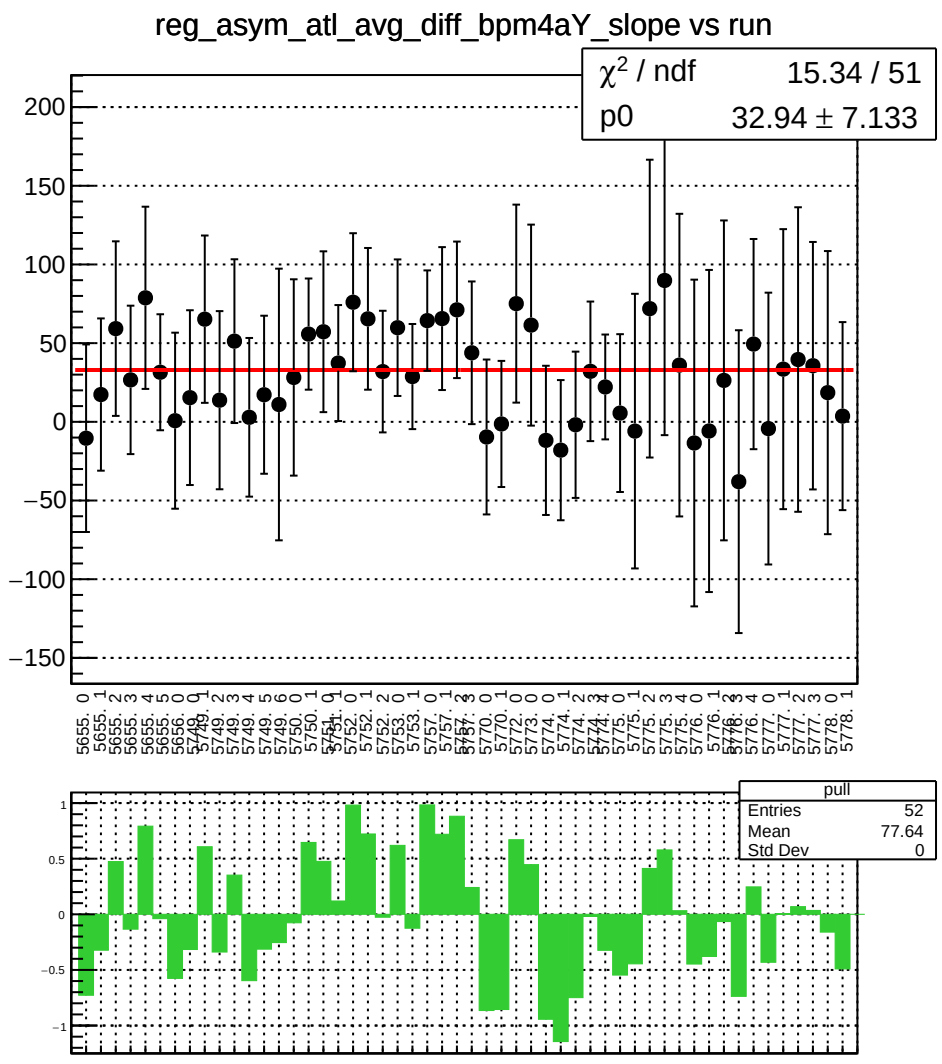

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 12.97 / 51
p0 71.75 ± 13.44
pull
Entries 52
Mean −7587
Std Dev 0

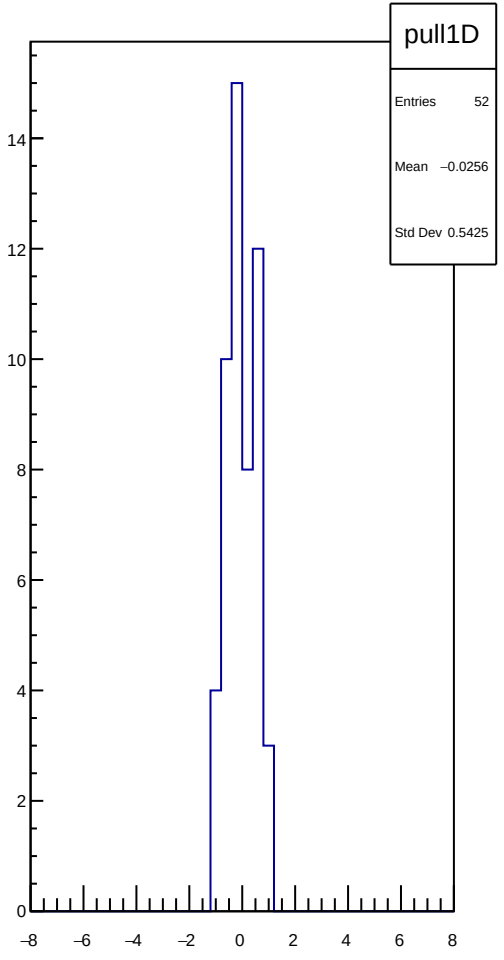

pull1D
Entries 52
Mean −0.0001858
Std Dev 0.4995

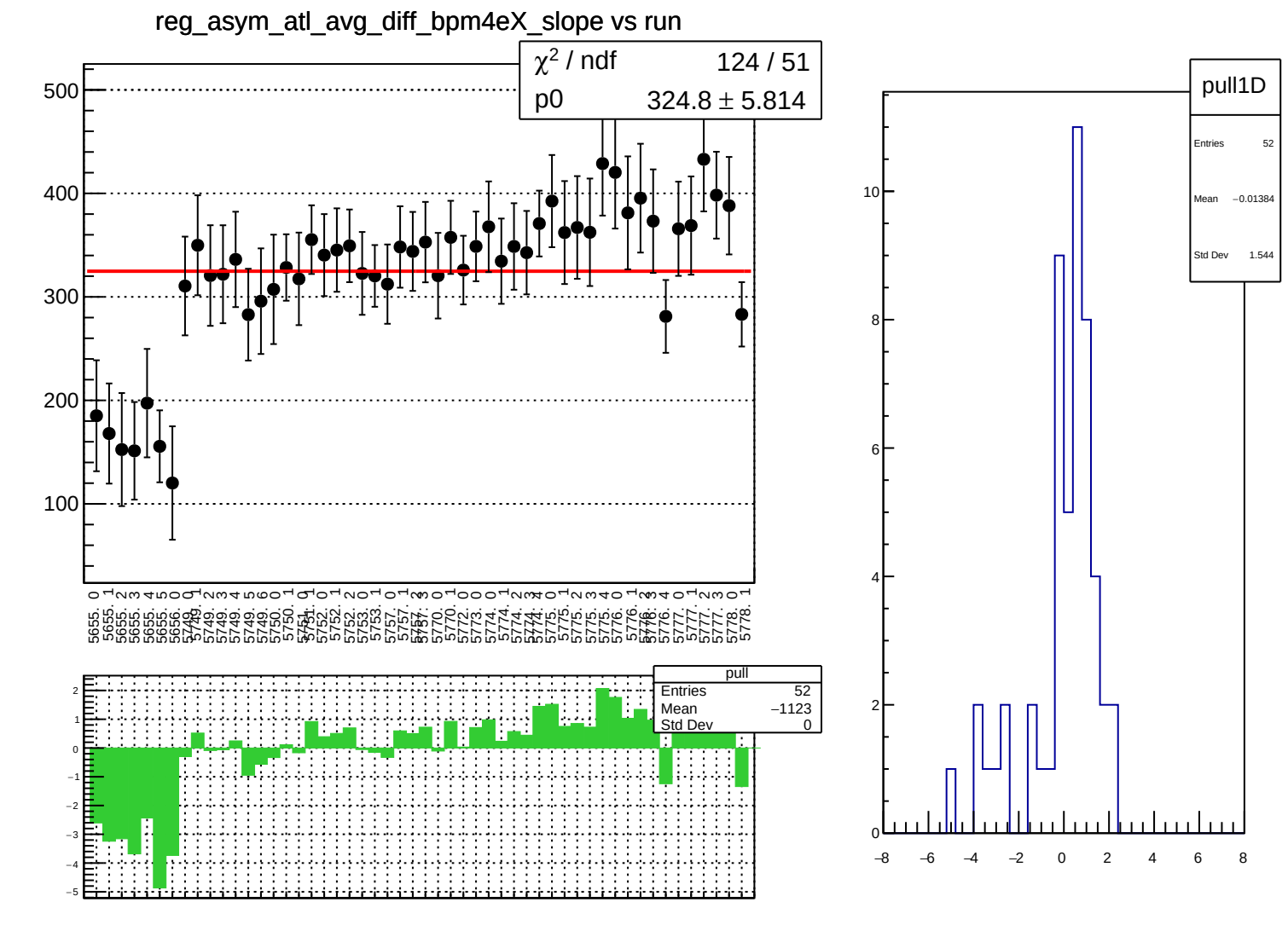

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 5108 / 51
p0 −219.7 ± 0.6935
pull
Entries 52
Mean 64.56
Std Dev 0
pull1D
Entries 52
Mean 2.892
Std Dev 0.7126

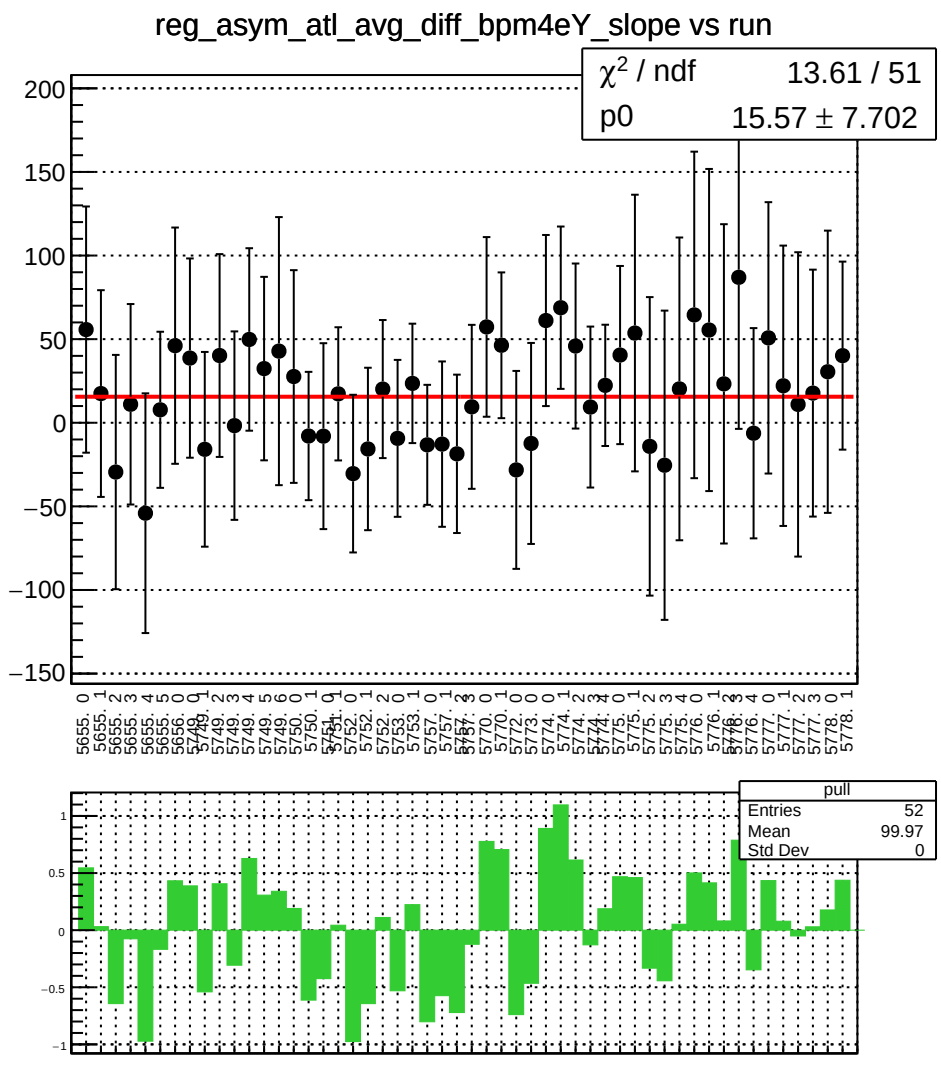

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 26.93 / 51
p0 −196.1± 3.906
pull
Entries 52
Mean 1149
Std Dev 0

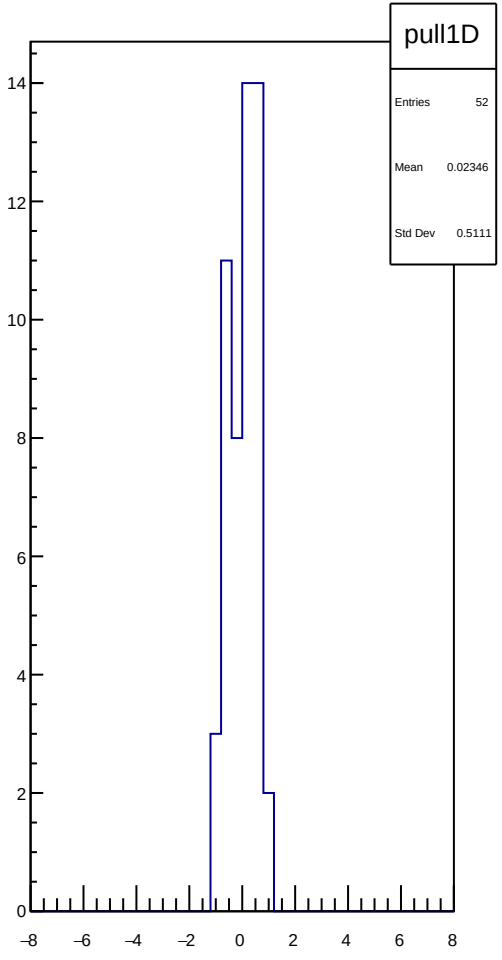

pull1D
Entries 52
Mean −0.00442
Std Dev 0.7196

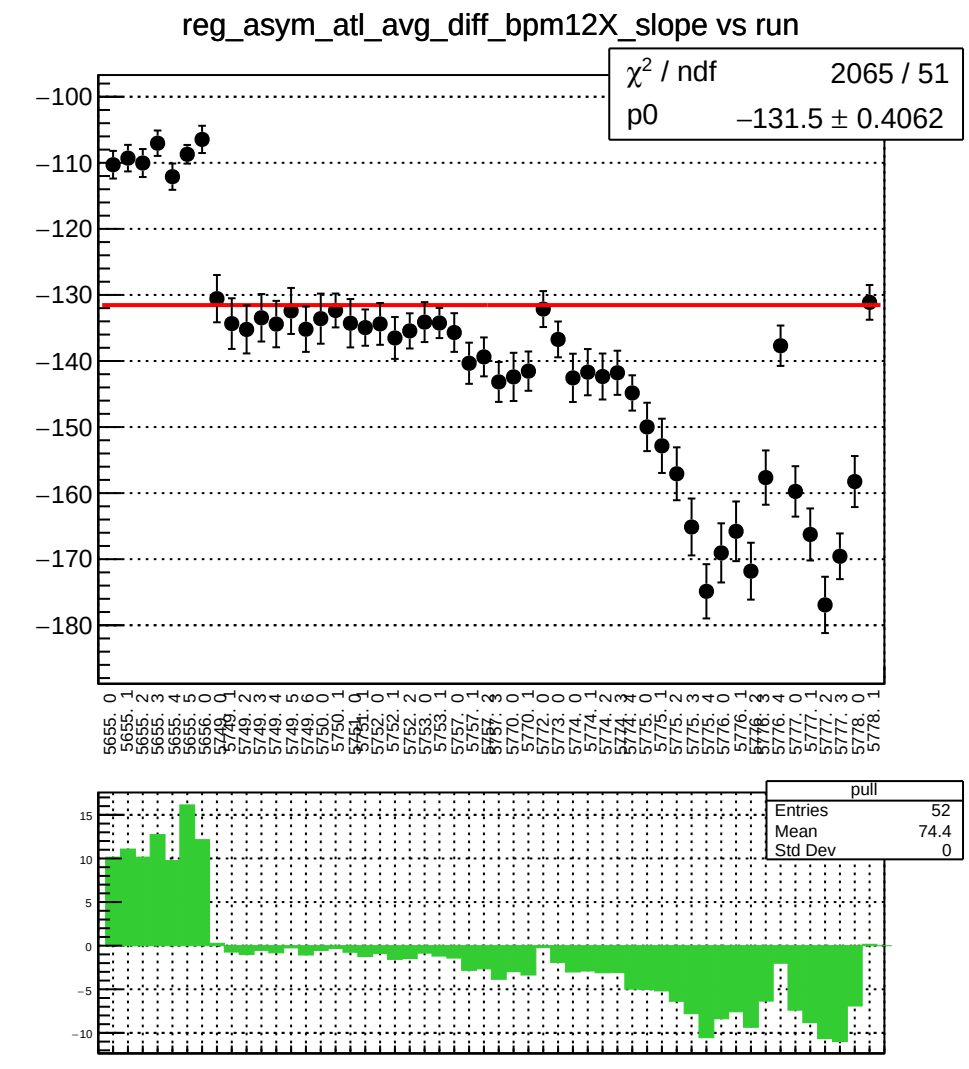

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.34 / 51
p0 32.94 ± 7.133
pull
Entries 52
Mean 77.64
Std Dev 0

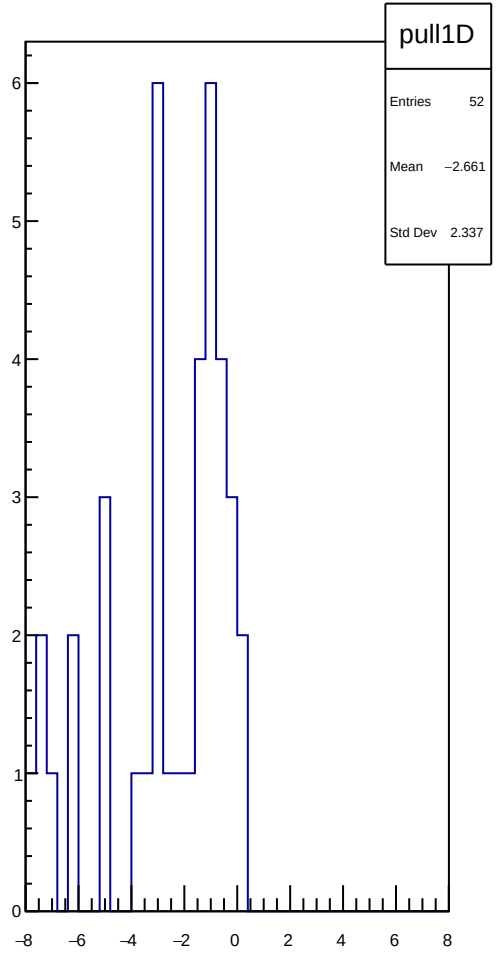

pull1D
Entries 52
Mean −0.0256
Std Dev 0.5425

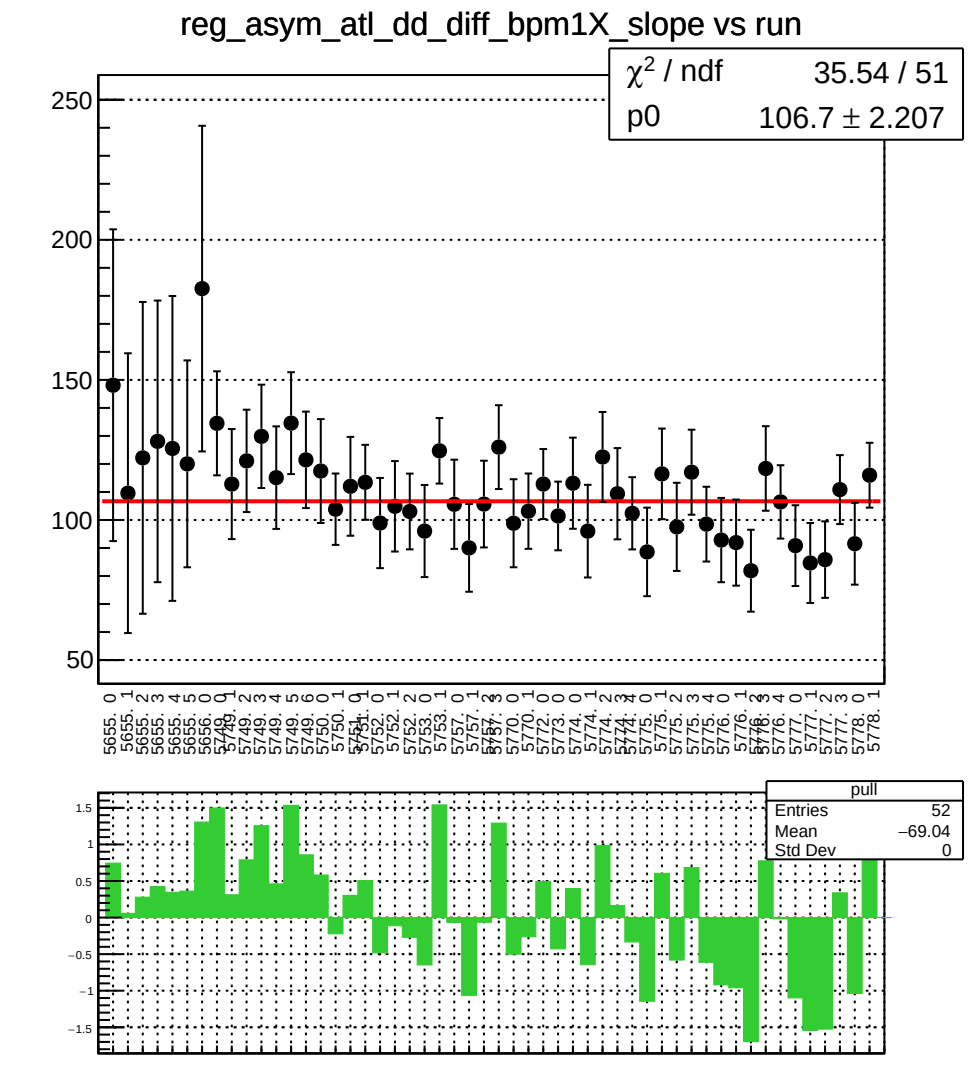

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 124 / 51
p0 324.8 ± 5.814
pull
Entries 52
Mean −1123
Std Dev 0
pull1D
Entries 52
Mean −0.01384
Std Dev 1.544

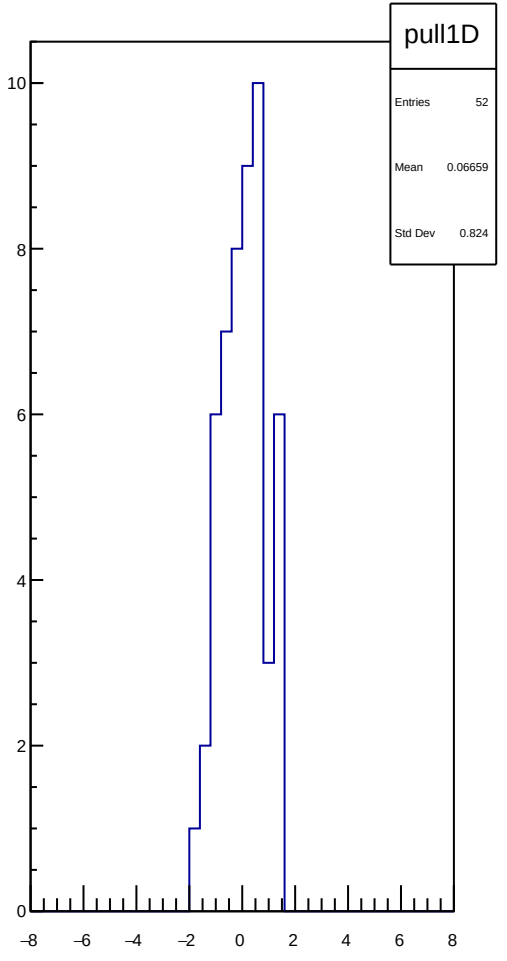

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.61 / 51
p0 15.57 ± 7.702
pull
Entries 52
Mean 99.97
Std Dev 0

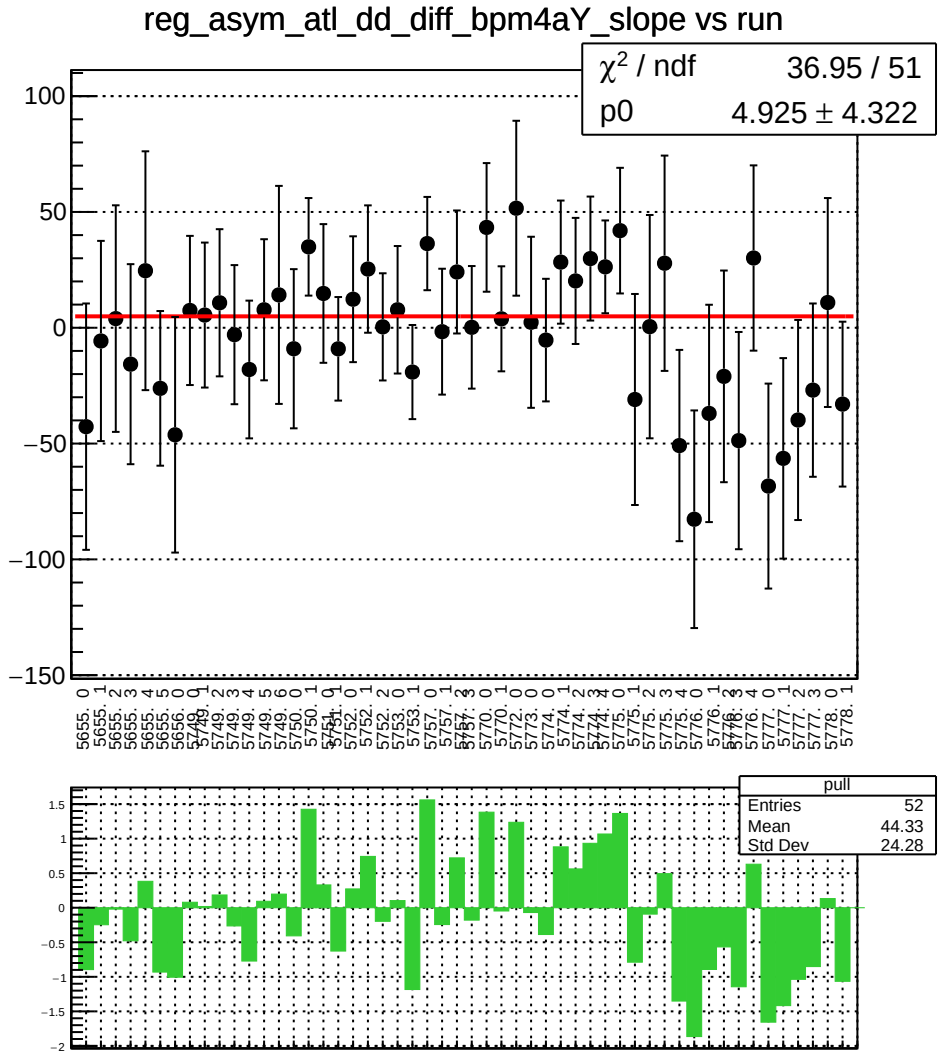

pull1D
Entries 52
Mean 0.02346
Std Dev 0.5111

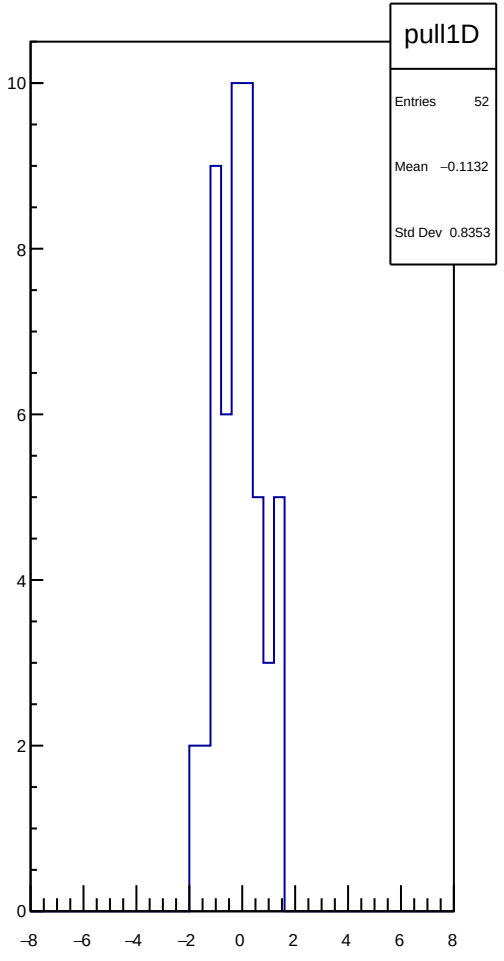

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 2065 / 51
p0 −131.5 ± 0.4062
pull
Entries 52
Mean 74.4
Std Dev 0

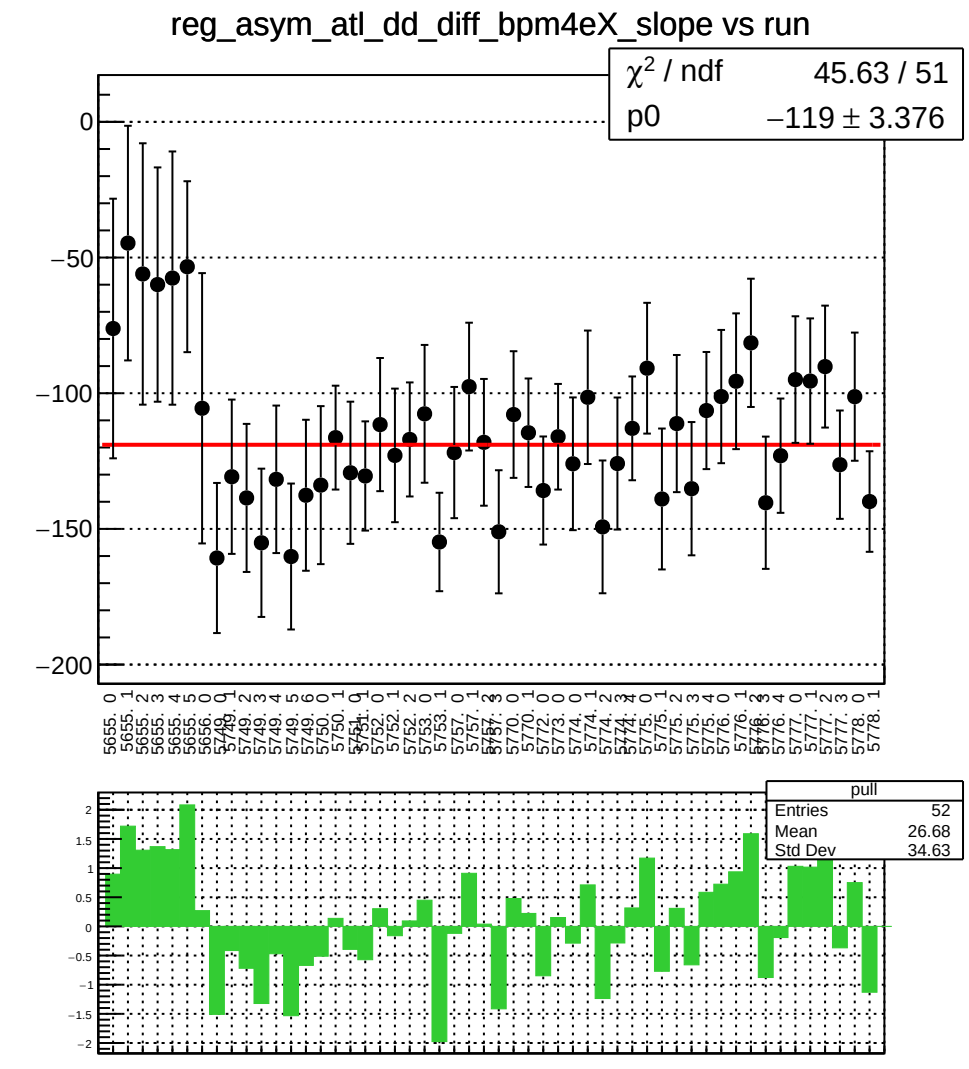

pull1D
Entries 52
Mean −2.661
Std Dev 2.337

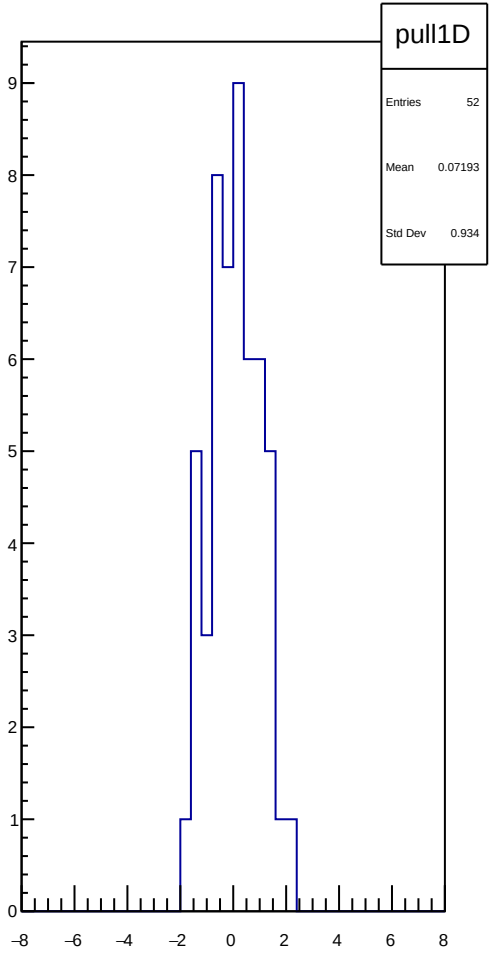

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 35.54 / 51
p0 106.7 ± 2.207
250
200
150
100
50
pull
Entries 52
Mean −69.04
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

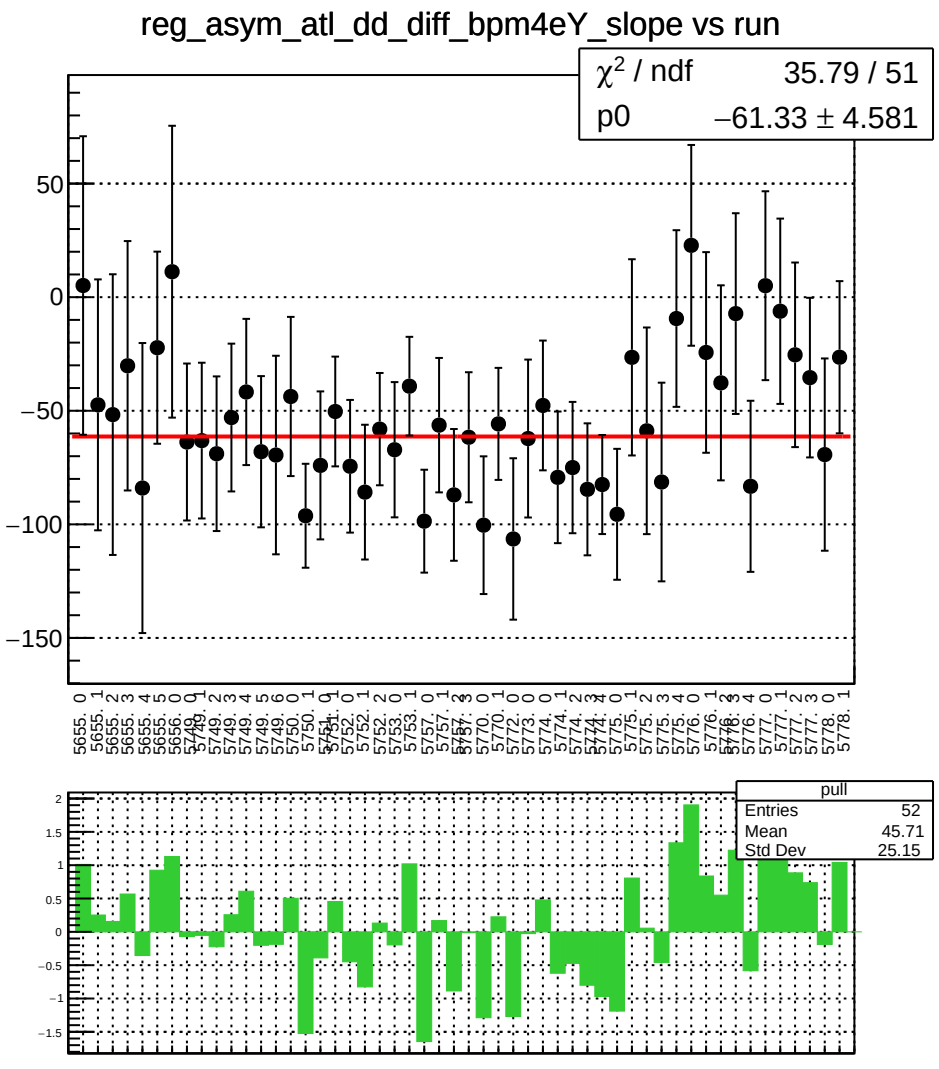

pull1D
Entries 52
Mean 0.06659
Std Dev 0.824
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

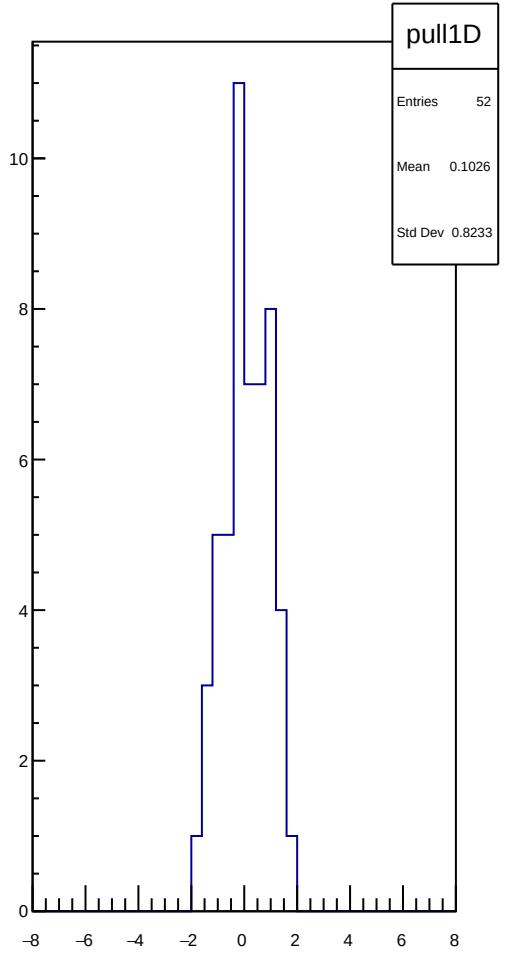

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 36.95 / 51
p0 4.925 ± 4.322
pull
Entries 52
Mean 44.33
Std Dev 24.28


pull1D
Entries 52
Mean −0.1132
Std Dev 0.8353

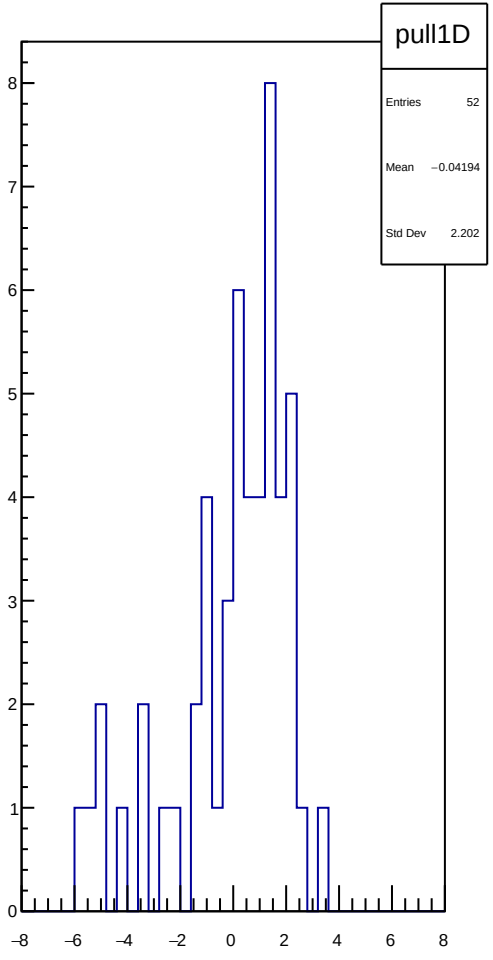

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 45.63 / 51
p0 −119 ± 3.376
pull
Entries 52
Mean 26.68
Std Dev 34.63

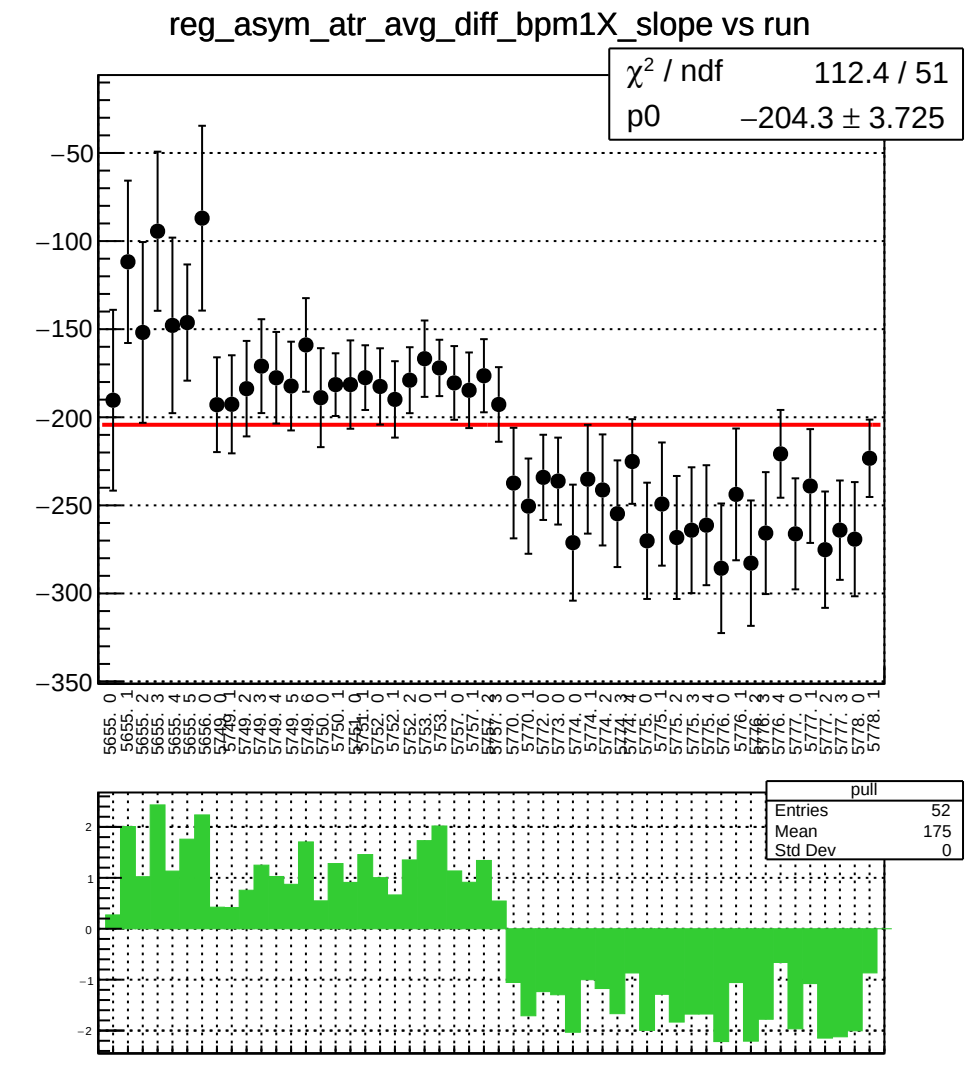

pull1D
Entries 52
Mean 0.07193
Std Dev 0.934

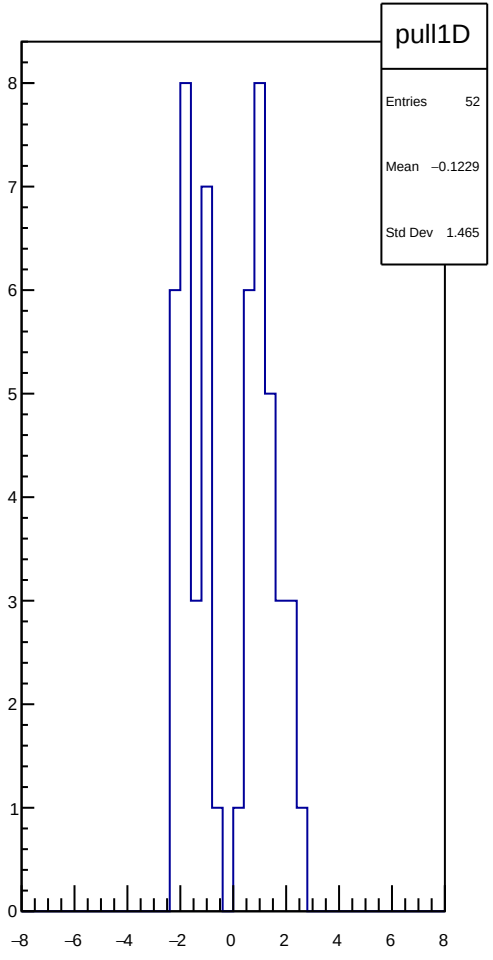

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 35.79 / 51
p0 −61.33 ± 4.581
50
0
−50
−100
−150
pull
Entries 52
Mean 45.71
Std Dev 25.15
2
1.5
1
0.5
0
−0.5
−1
−1.5

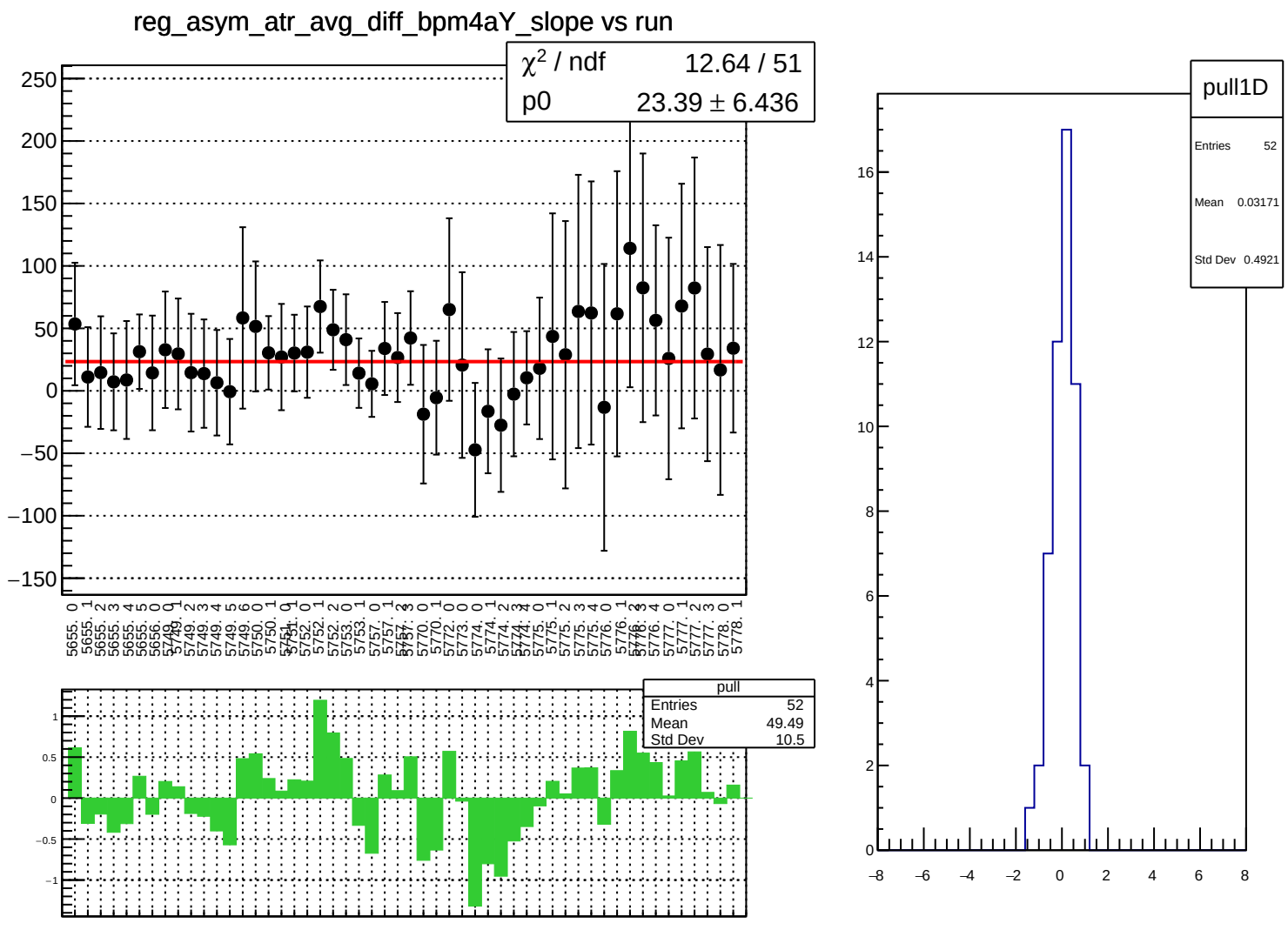

pull1D
Entries 52
Mean 0.1026
Std Dev 0.8233
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

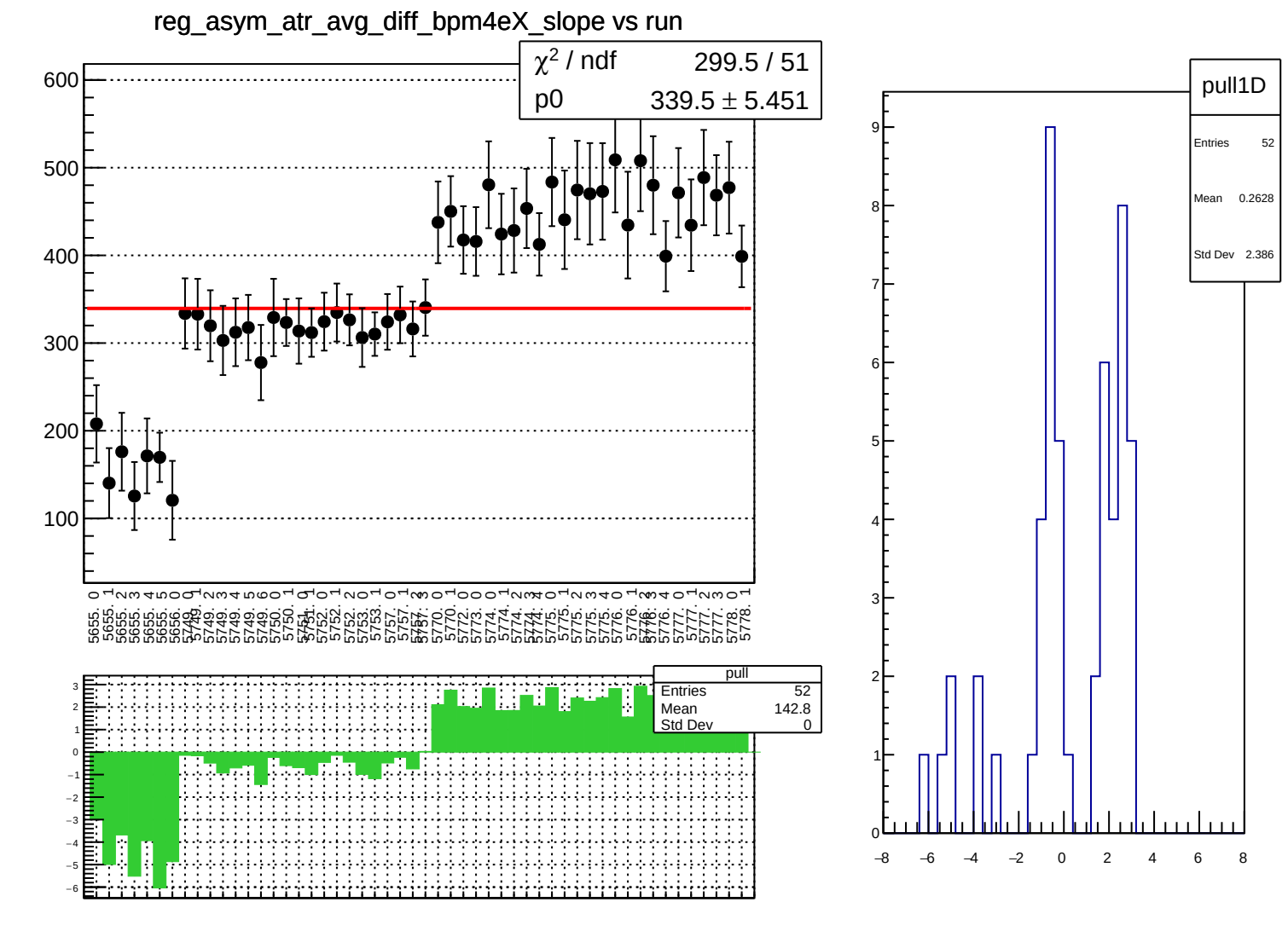
reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 252.2 / 51
p0 75.95 ± 0.2552
pull
Entries 52
Mean 591.8
Std Dev 0

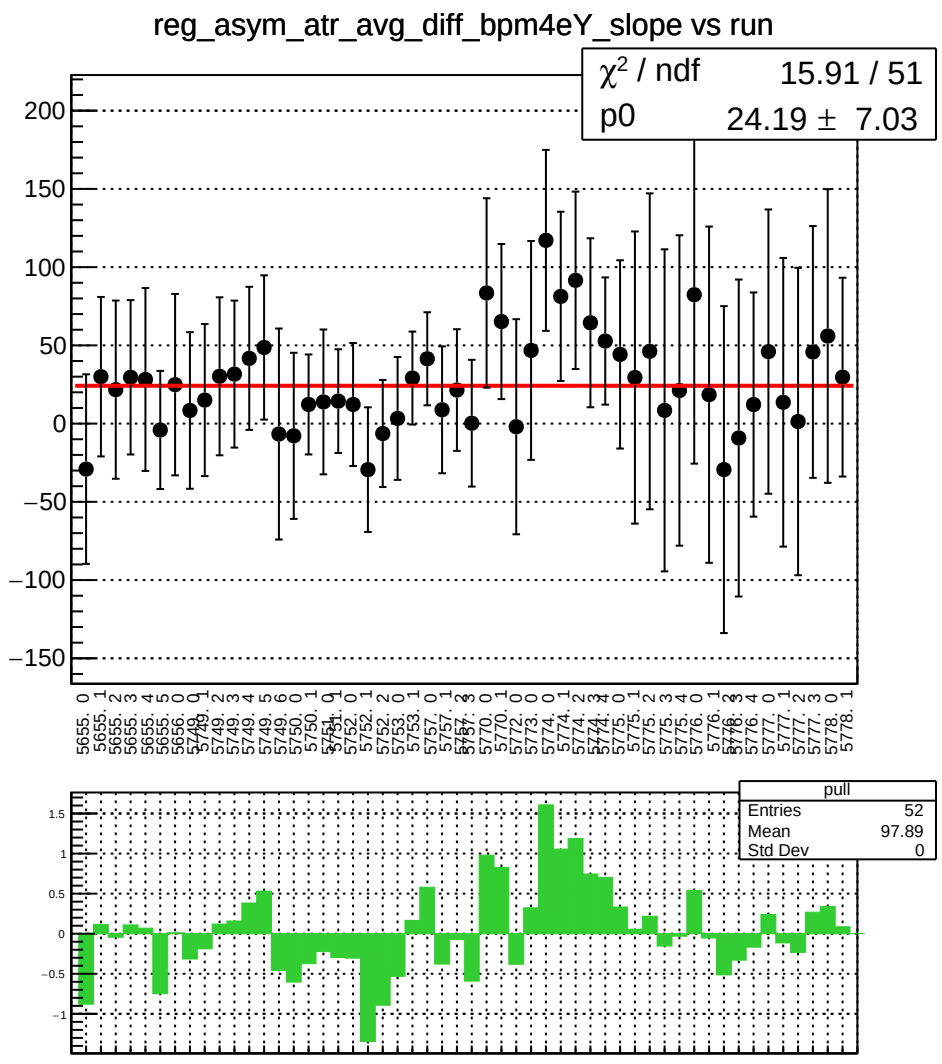

pull1D
Entries 52
Mean −0.04194
Std Dev 2.202

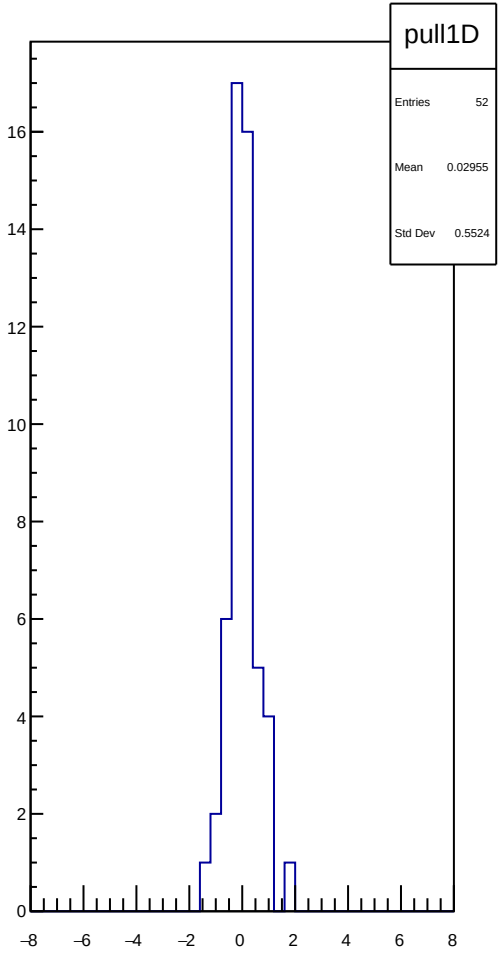

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 112.4 / 51
p0 −204.3 ± 3.725
pull
Entries 52
Mean 175
Std Dev 0

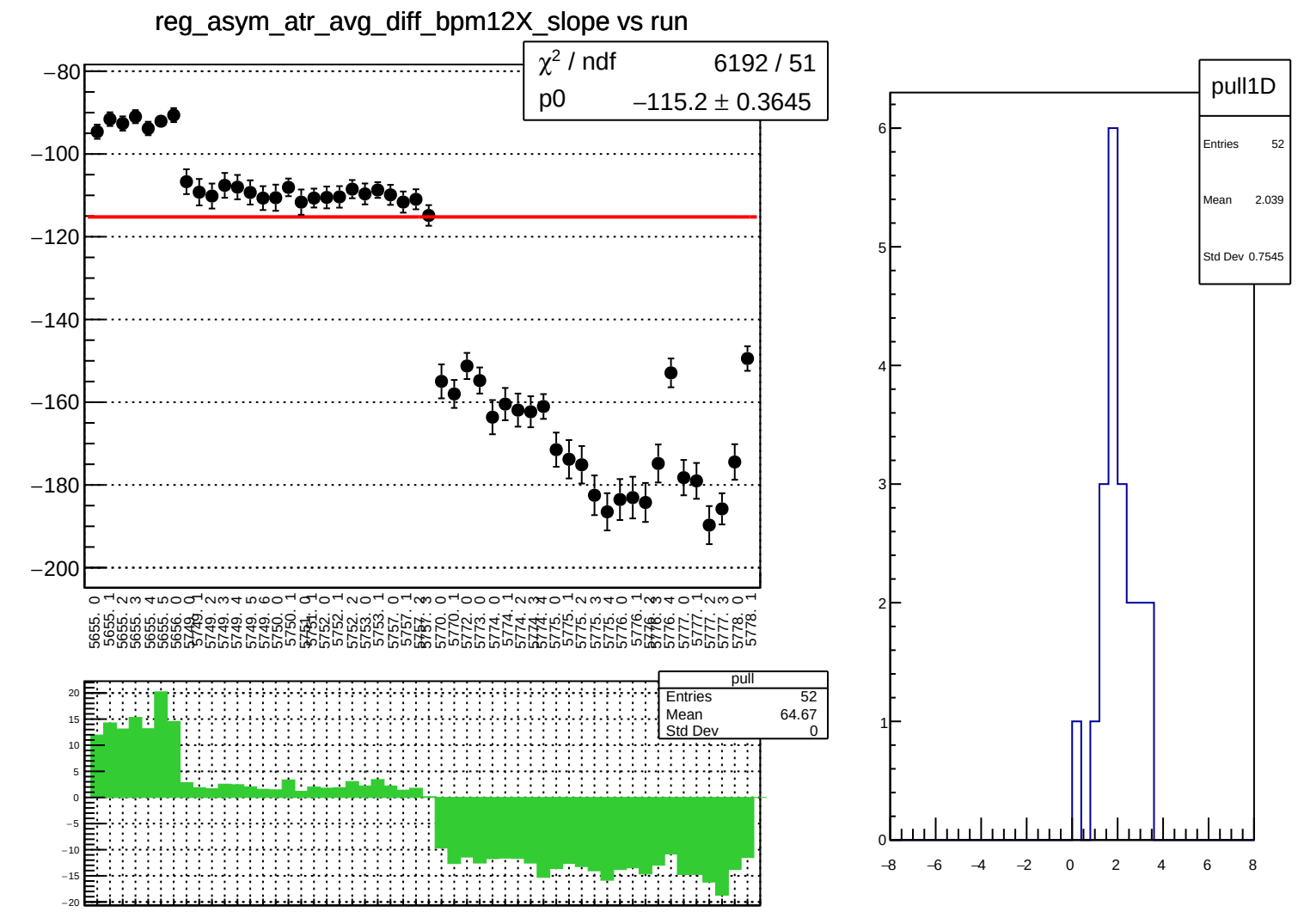

pull1D
Entries 52
Mean −0.1229
Std Dev 1.465

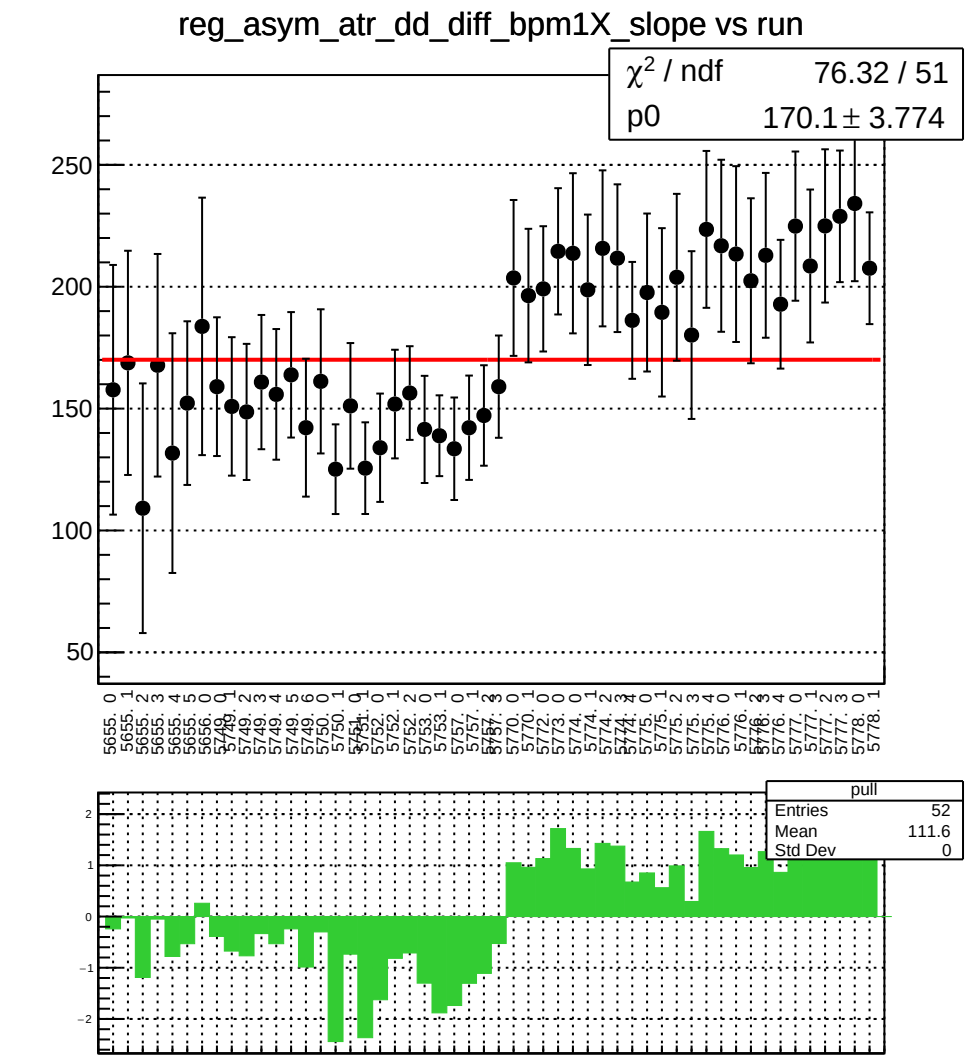

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.64 / 51
p0 23.39 ± 6.436
pull
Entries 52
Mean 49.49
Std Dev 10.5
pull1D
Entries 52
Mean 0.03171
Std Dev 0.4921

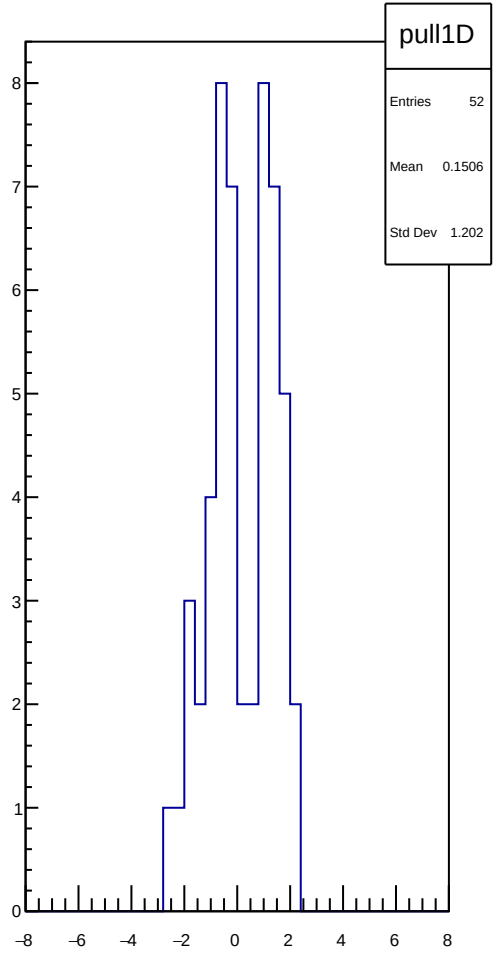

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 299.5 / 51
p0 339.5 ± 5.451
pull
Entries 52
Mean 142.8
Std Dev 0
pull1D
Entries 52
Mean 0.2628
Std Dev 2.386

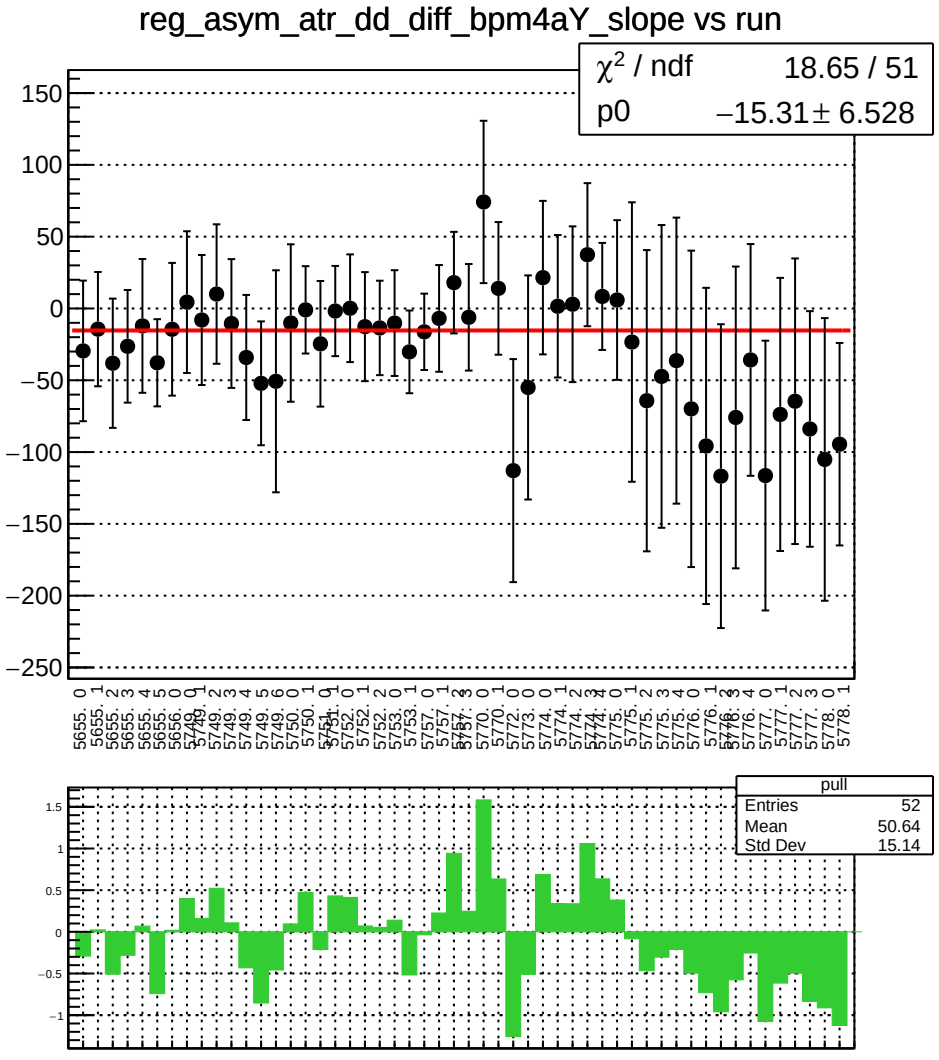

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.91 / 51
p0 24.19 ± 7.03
pull
Entries 52
Mean 97.89
Std Dev 0

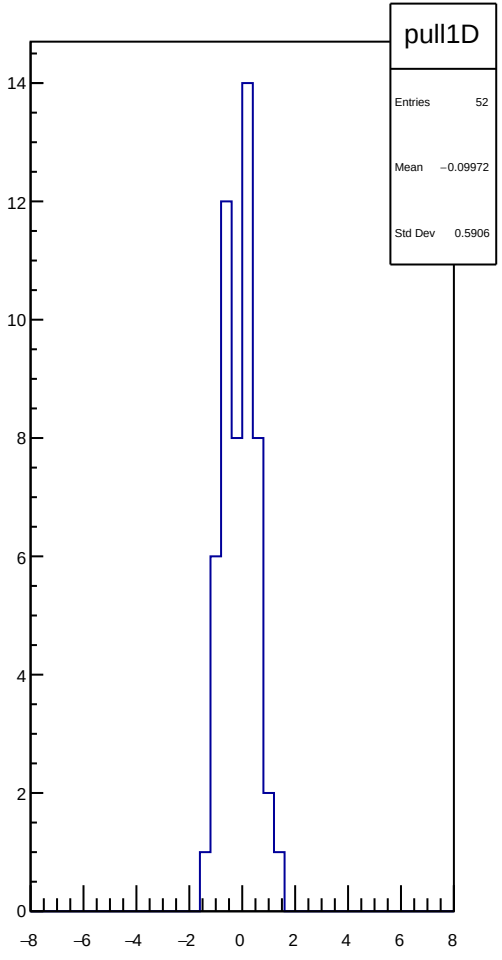

pull1D
Entries 52
Mean 0.02955
Std Dev 0.5524

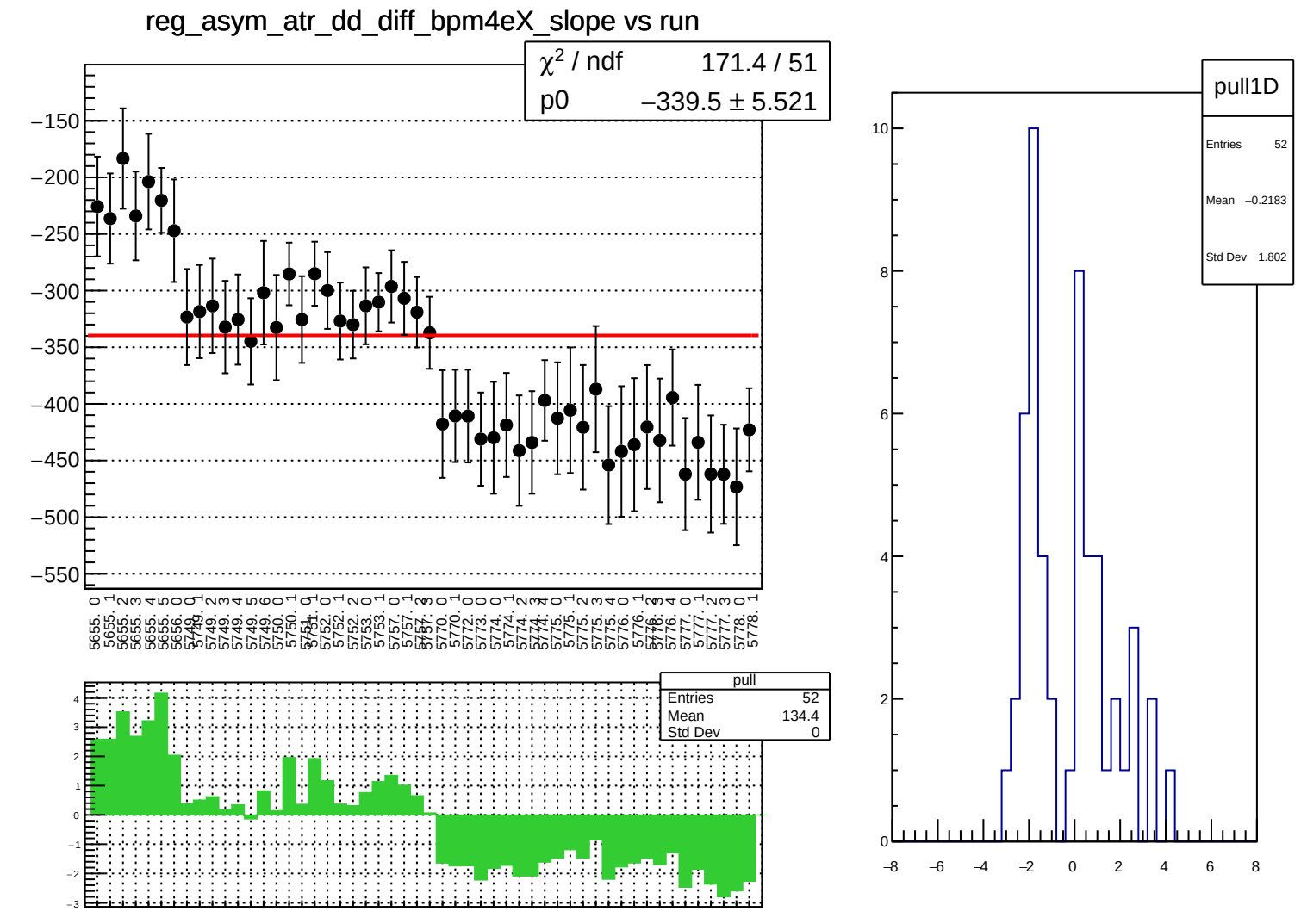

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 6192 / 51
p0 −115.2 ± 0.3645
pull
Entries 52
Mean 64.67
Std Dev 0
pull1D
Entries 52
Mean 2.039
Std Dev 0.7545

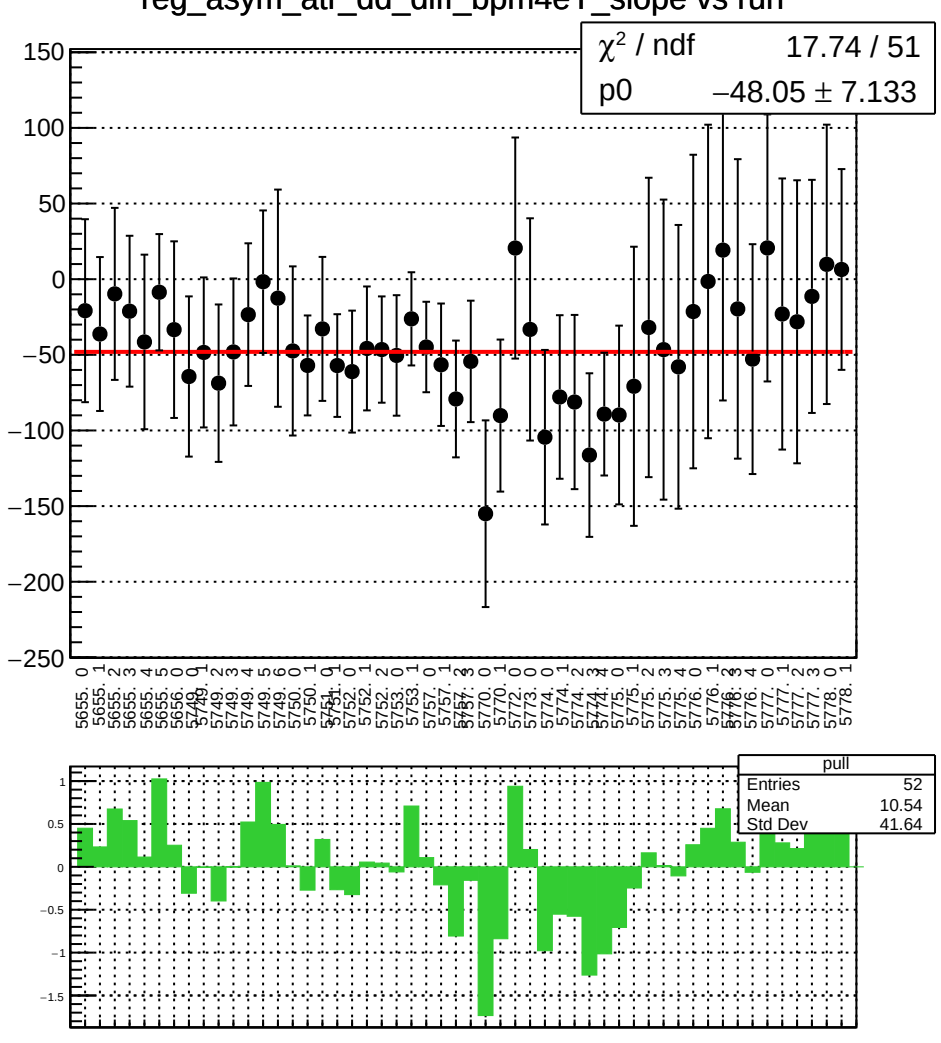

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 76.32 / 51
p0 170.1 ± 3.774
250
200
150
100
50
pull
Entries 52
Mean 111.6
Std Dev 0
2
1
0
−1
−2

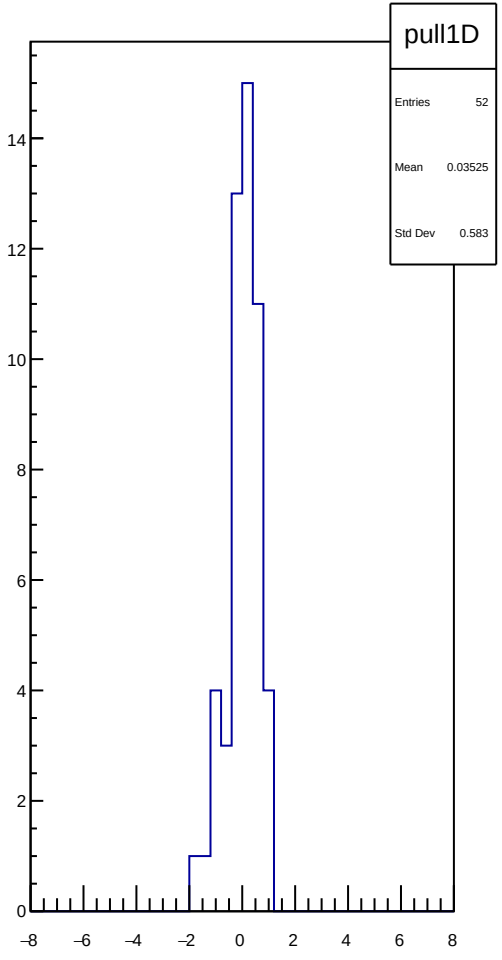

pull1D
Entries 52
Mean 0.1506
Std Dev 1.202
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

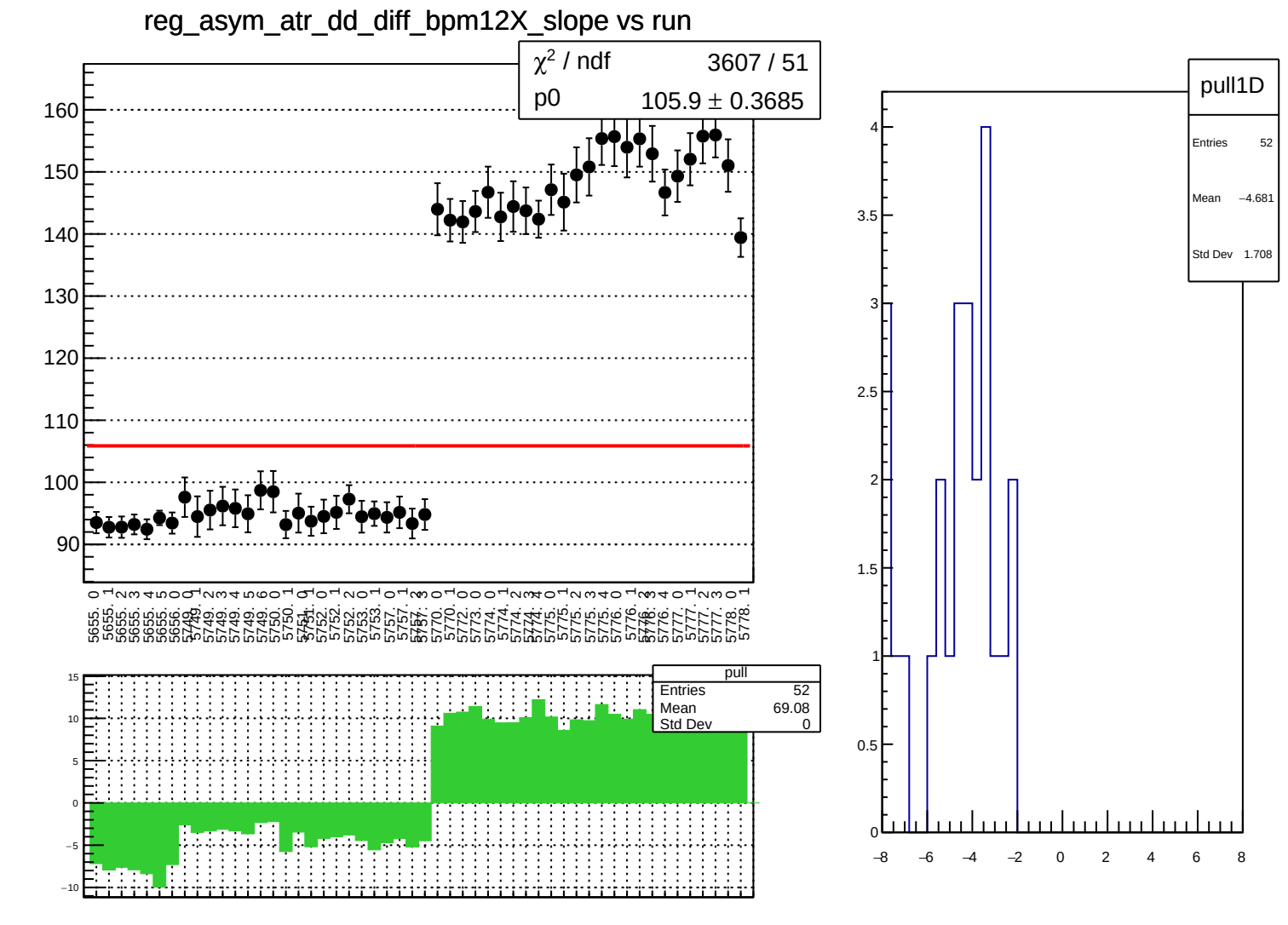

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.65 / 51
p0 −15.31 ± 6.528
pull
Entries 52
Mean 50.64
Std Dev 15.14

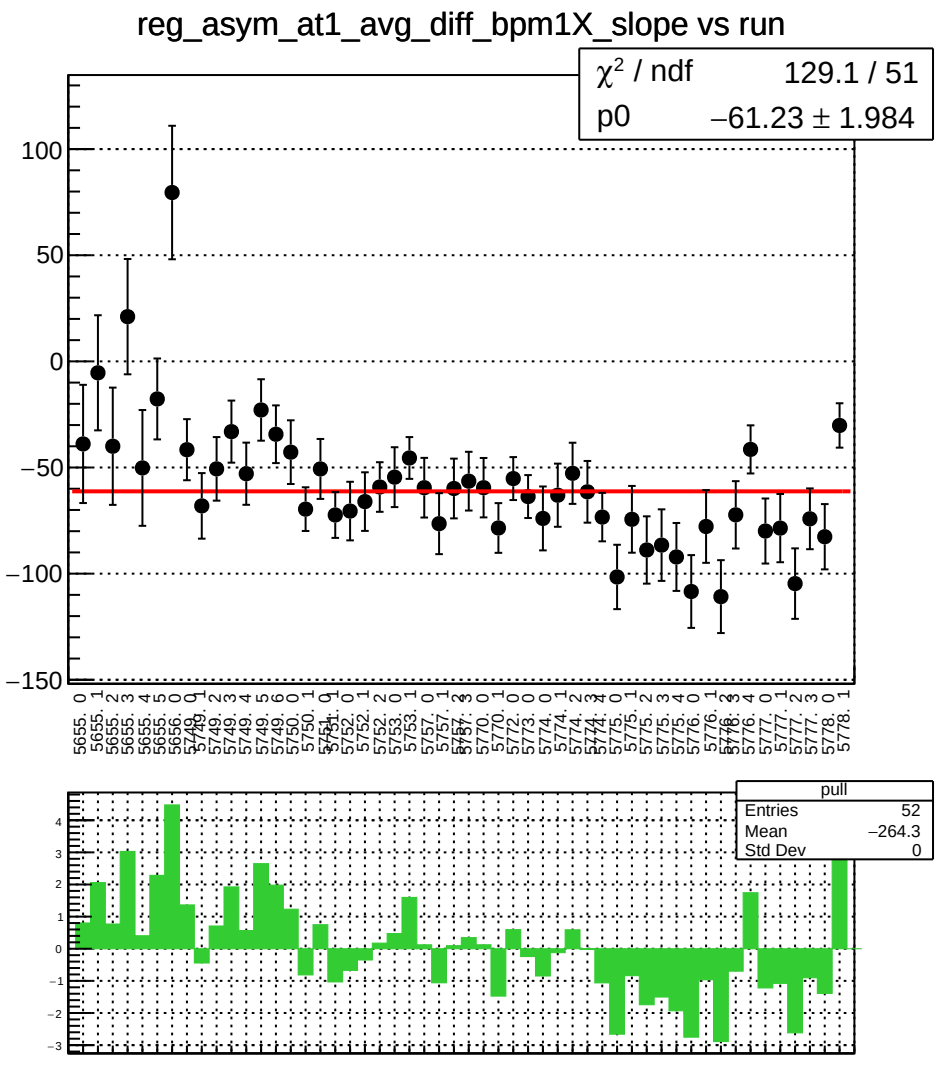

pull1D
Entries 52
Mean −0.09972
Std Dev 0.5906

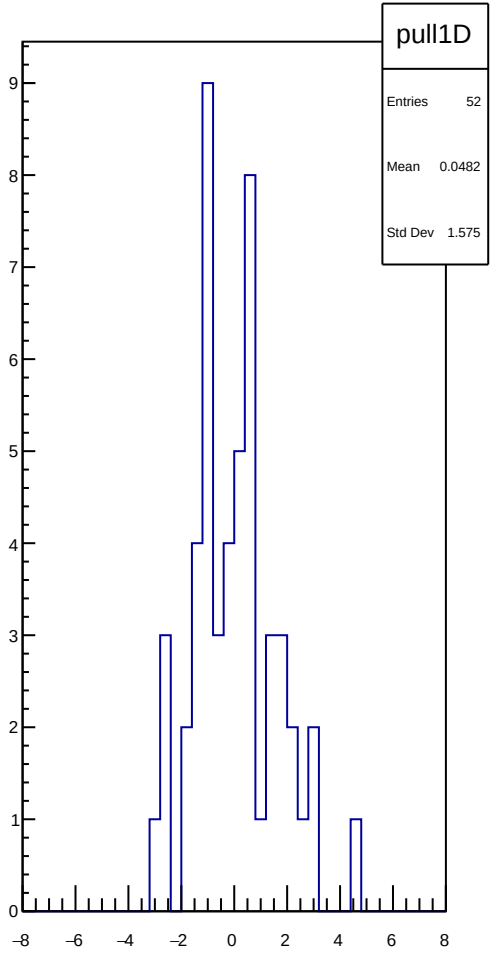

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 171.4 / 51
p0 −339.5 ± 5.521
pull
Entries 52
Mean 134.4
Std Dev 0
pull1D
Entries 52
Mean −0.2183
Std Dev 1.802

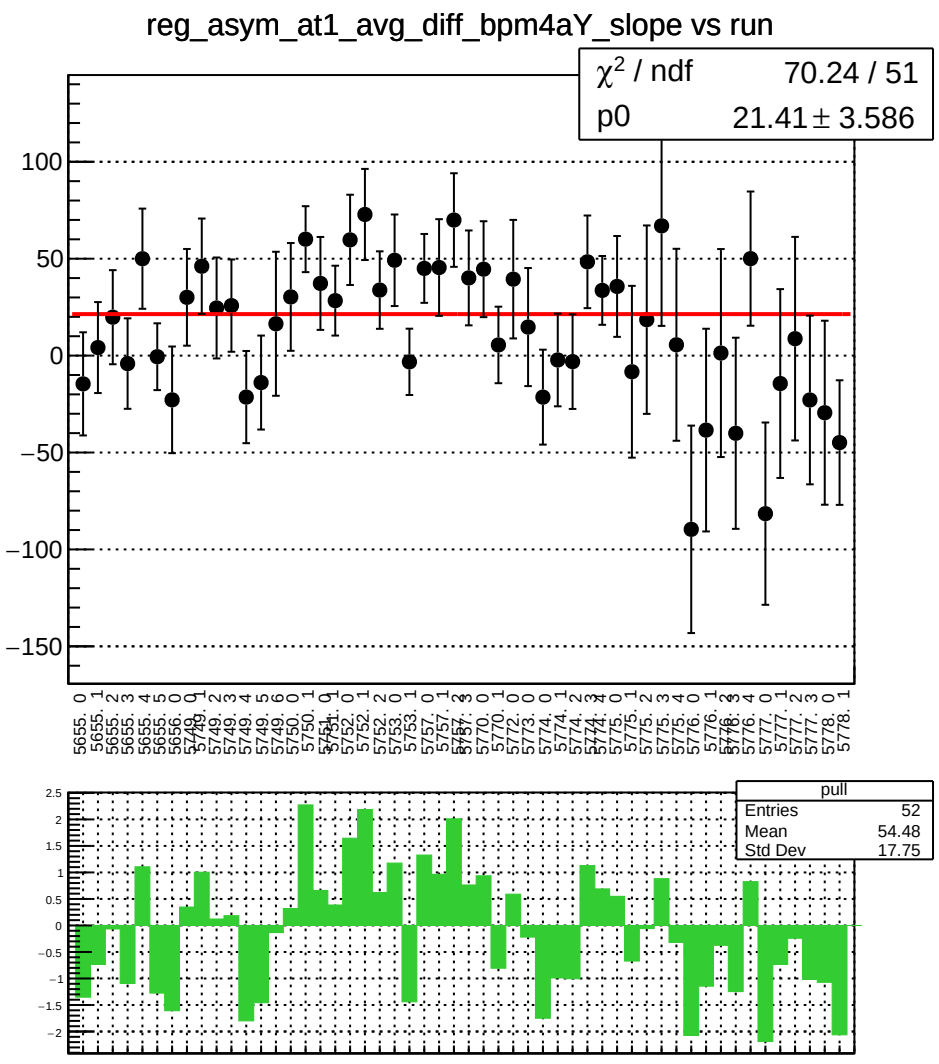

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.74 / 51
p0 −48.05 ± 7.133
pull
Entries 52
Mean 10.54
Std Dev 41.64

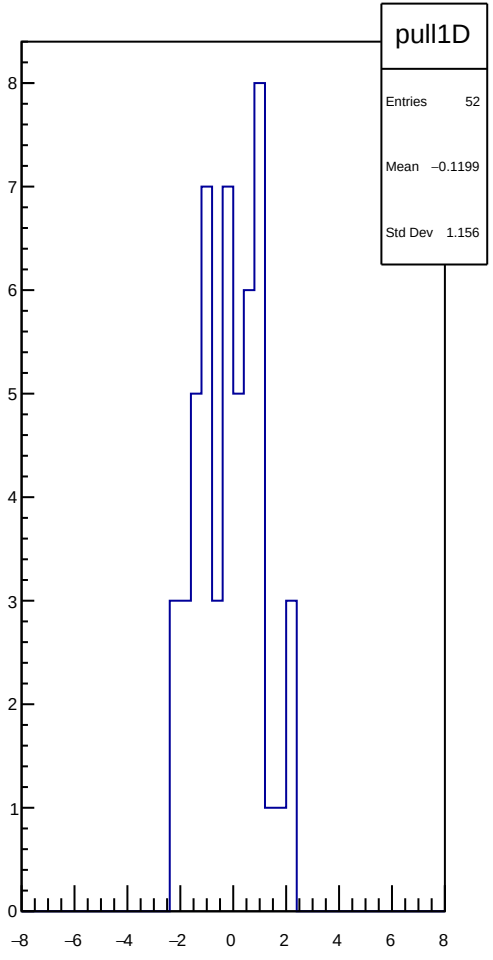

pull1D
Entries 52
Mean 0.03525
Std Dev 0.583

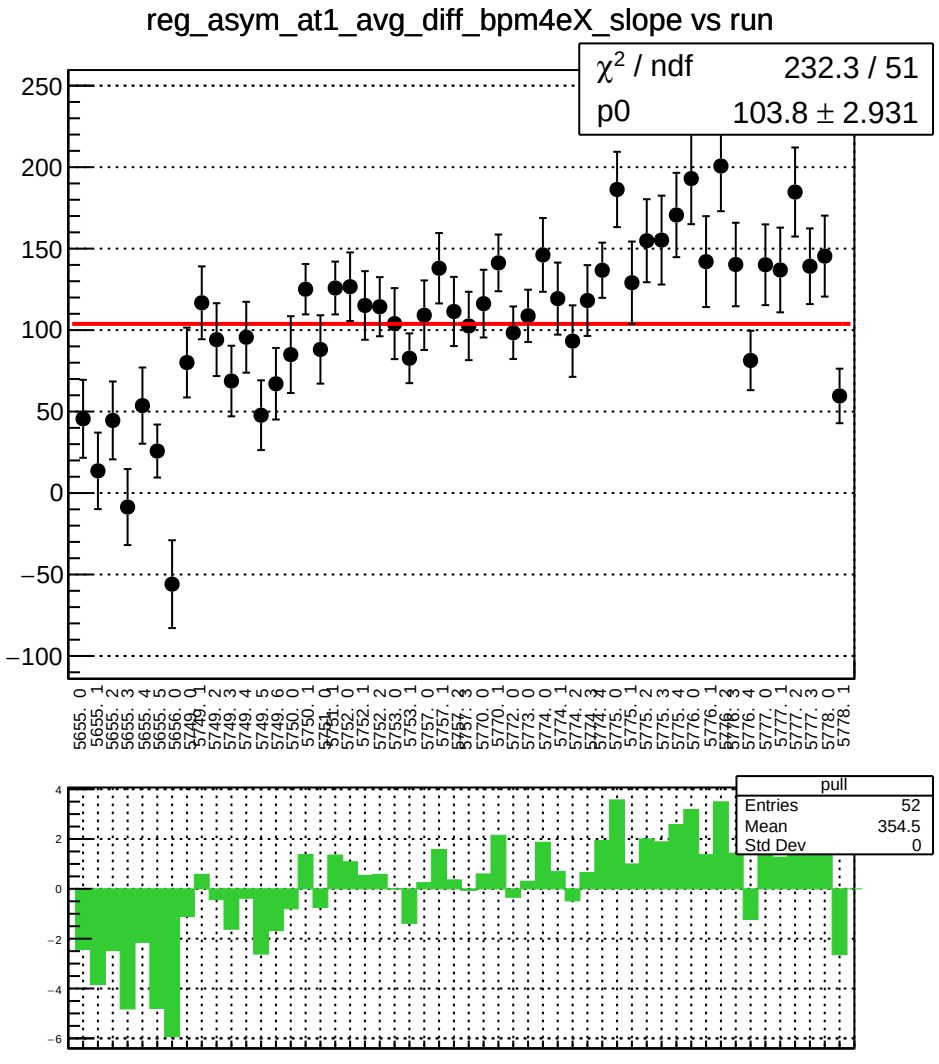

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 3607 / 51
p0 105.9 ± 0.3685
pull
Entries 52
Mean 69.08
Std Dev 0
pull1D
Entries 52
Mean −4.681
Std Dev 1.708

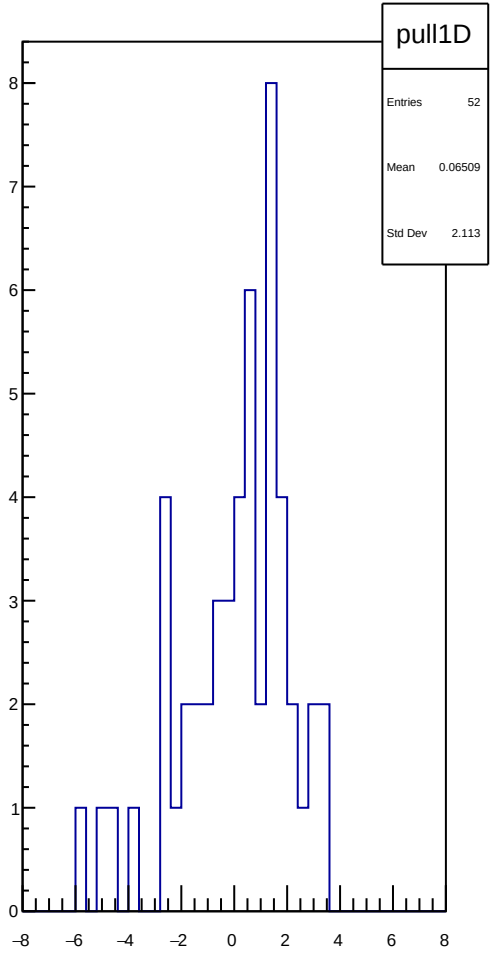

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 129.1 / 51
p0 −61.23 ± 1.984
pull
Entries 52
Mean −264.3
Std Dev 0

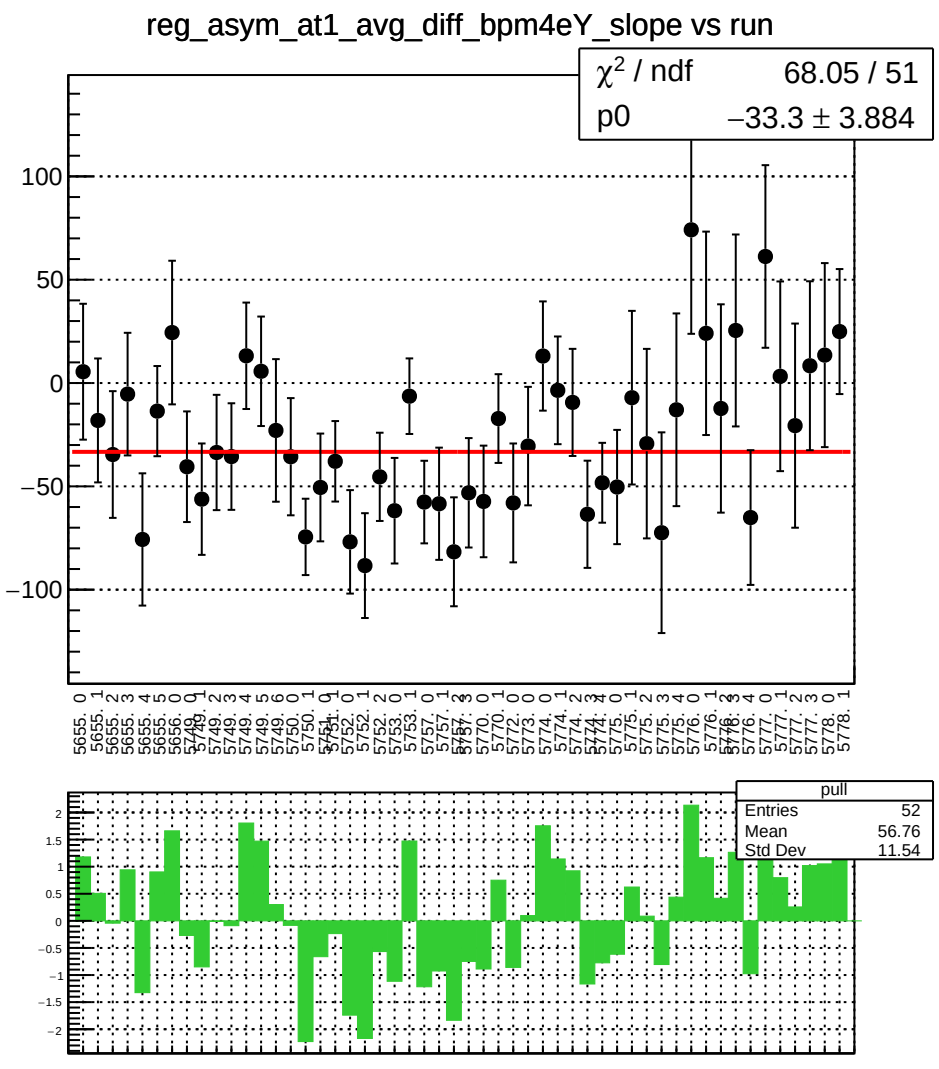

pull1D
Entries 52
Mean 0.0482
Std Dev 1.575

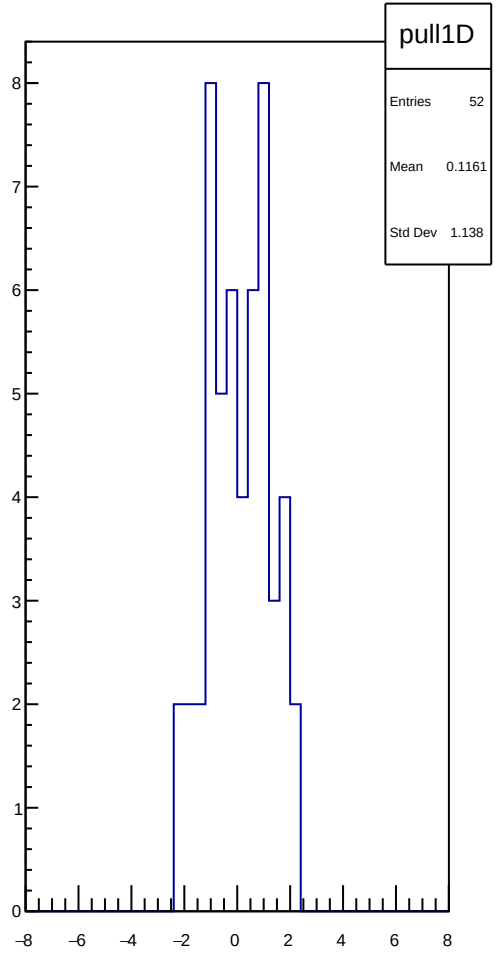

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 70.24 / 51
p0 21.41 ± 3.586
pull
Entries 52
Mean 54.48
Std Dev 17.75

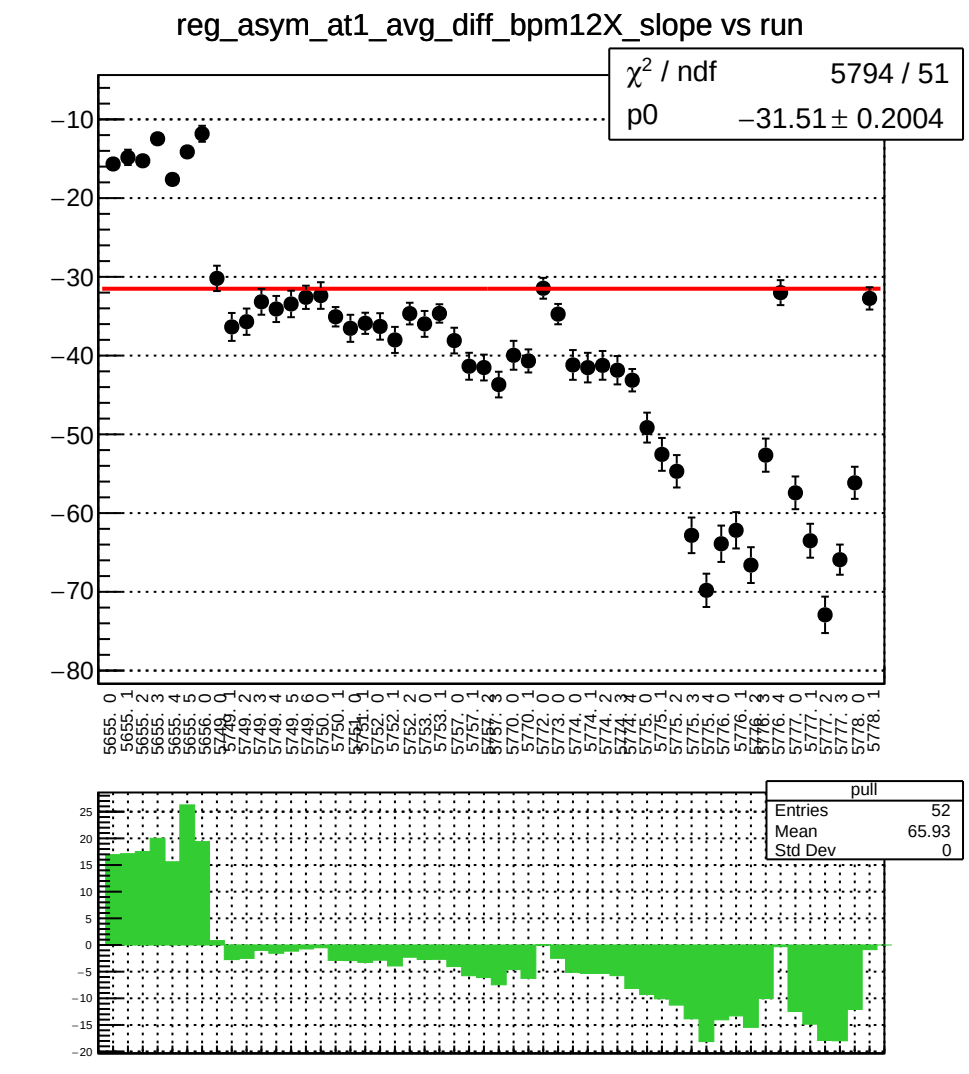

pull1D
Entries 52
Mean −0.1199
Std Dev 1.156

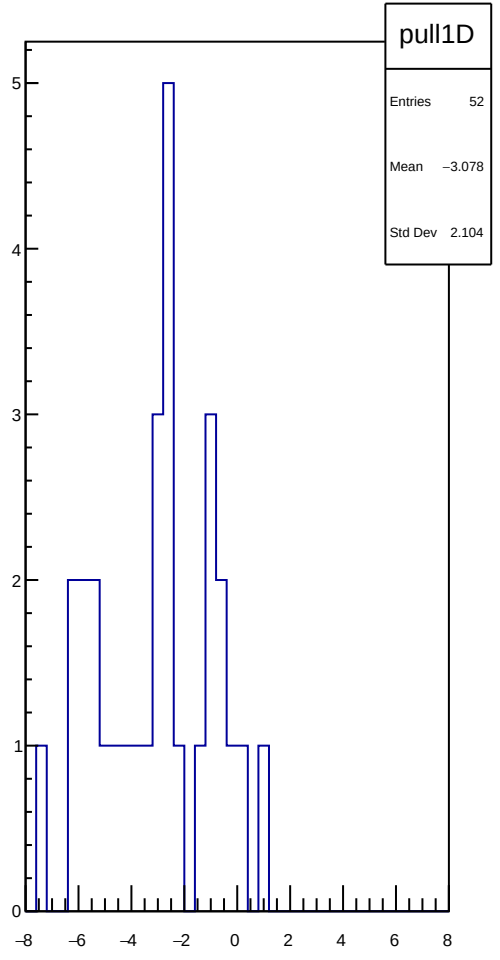

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 232.3 / 51
p0 103.8 ± 2.931
pull
Entries 52
Mean 354.5
Std Dev 0

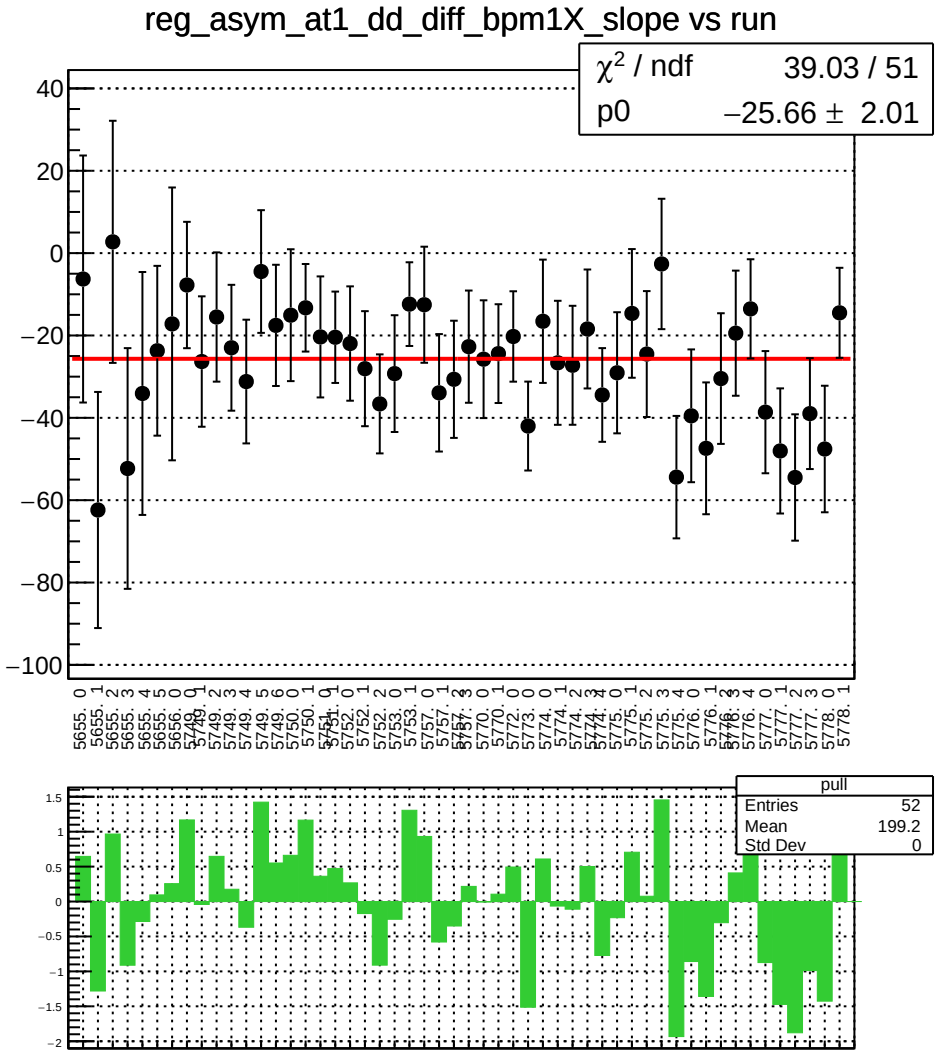

pull1D
Entries 52
Mean 0.06509
Std Dev 2.113

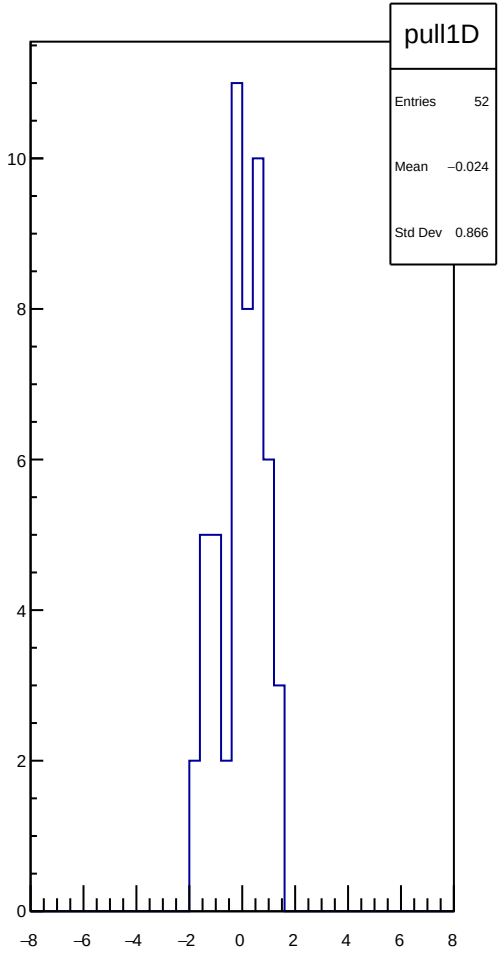

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 68.05 / 51
p0 −33.3 ± 3.884
100
50
0
−50
−100
pull
Entries 52
Mean 56.76
Std Dev 11.54
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

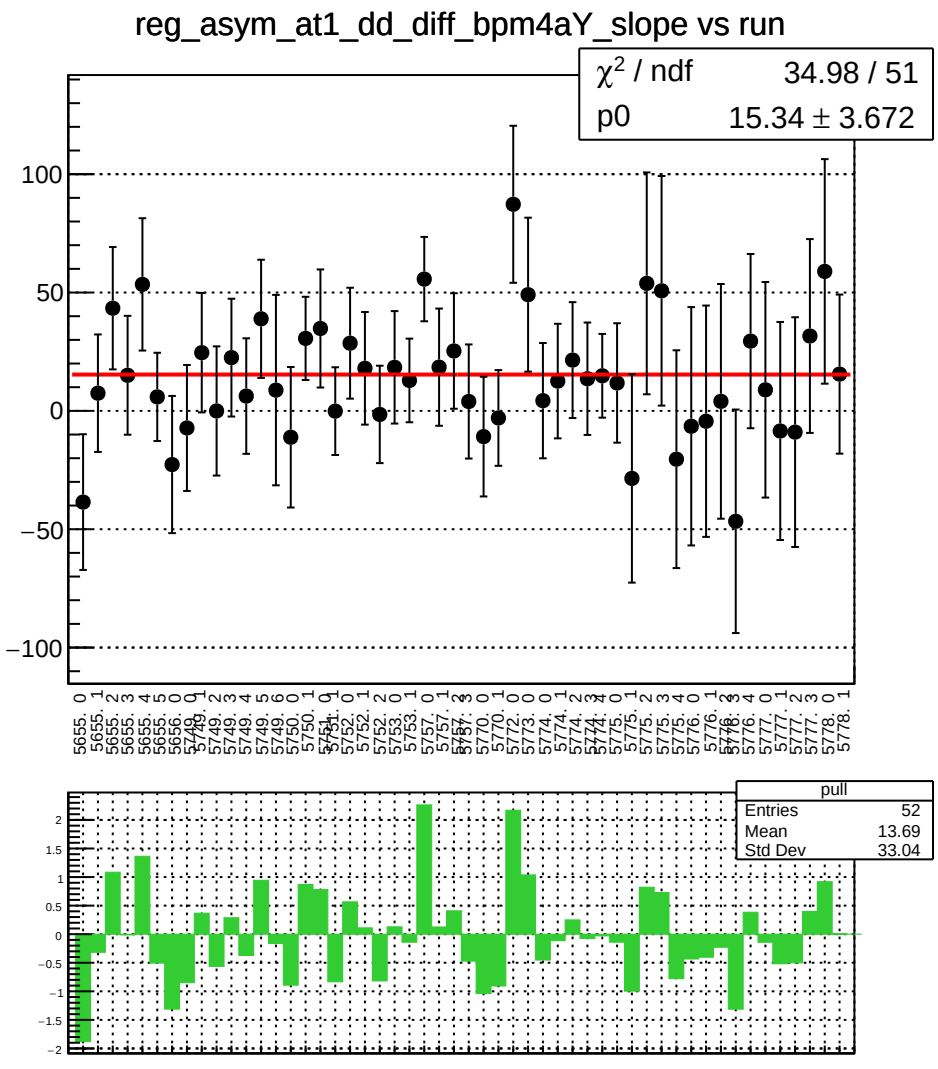

pull1D
Entries 52
Mean 0.1161
Std Dev 1.138
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

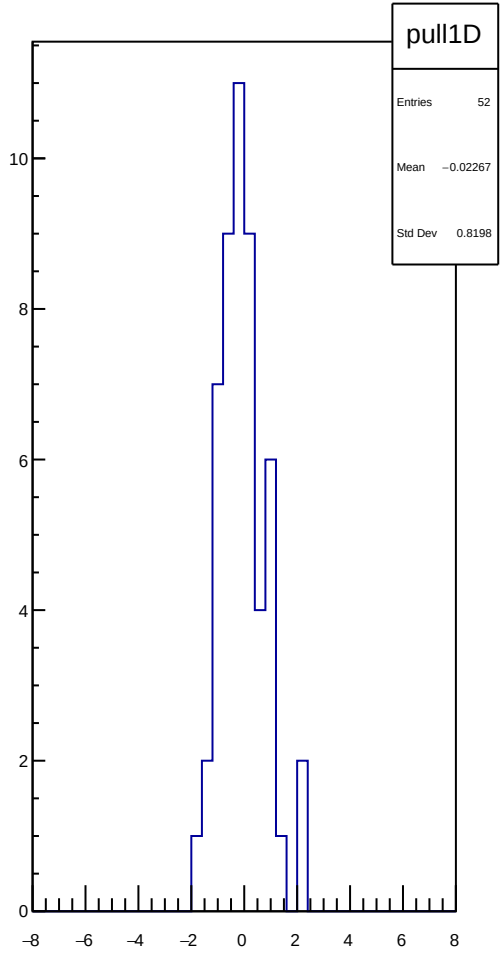

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 5794 / 51
p0 −31.51 ± 0.2004
pull
Entries 52
Mean 65.93
Std Dev 0

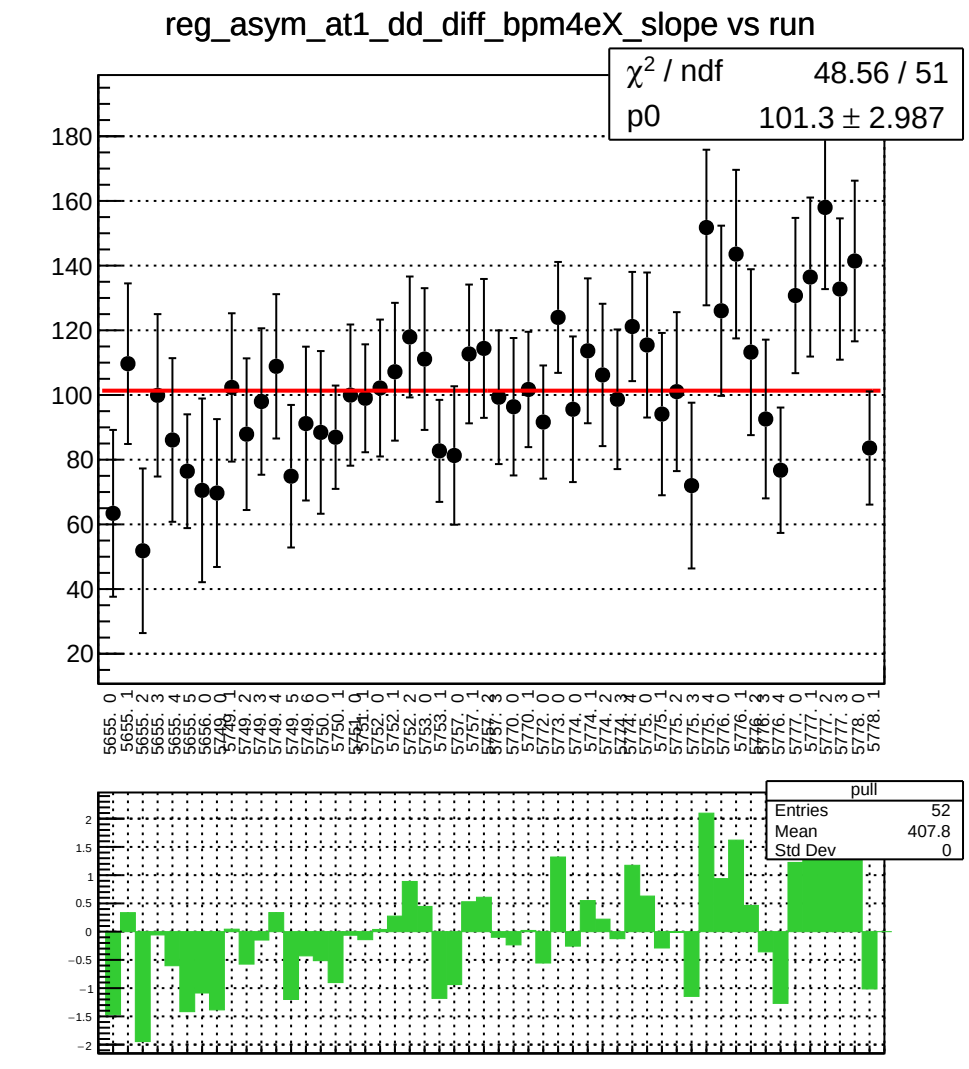

pull1D
Entries 52
Mean −3.078
Std Dev 2.104

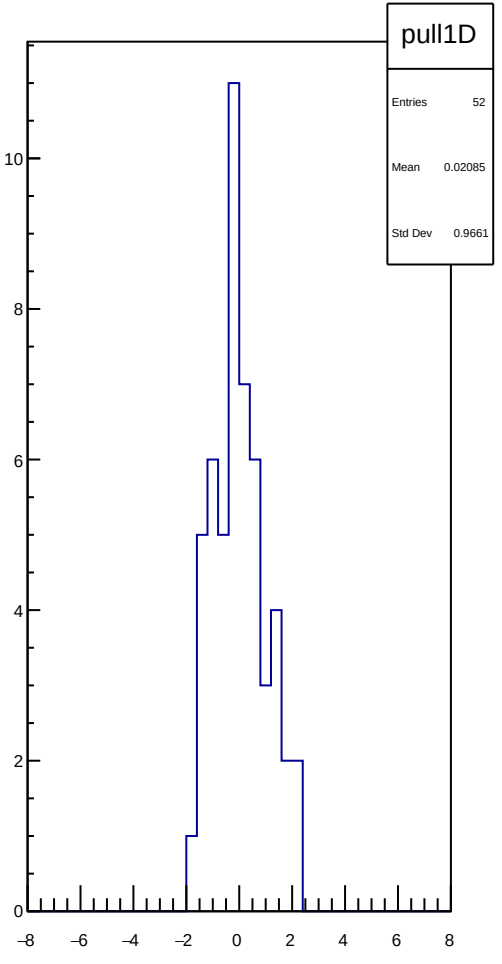

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 39.03 / 51
p0 −25.66 ± 2.01
pull
Entries 52
Mean 199.2
Std Dev 0

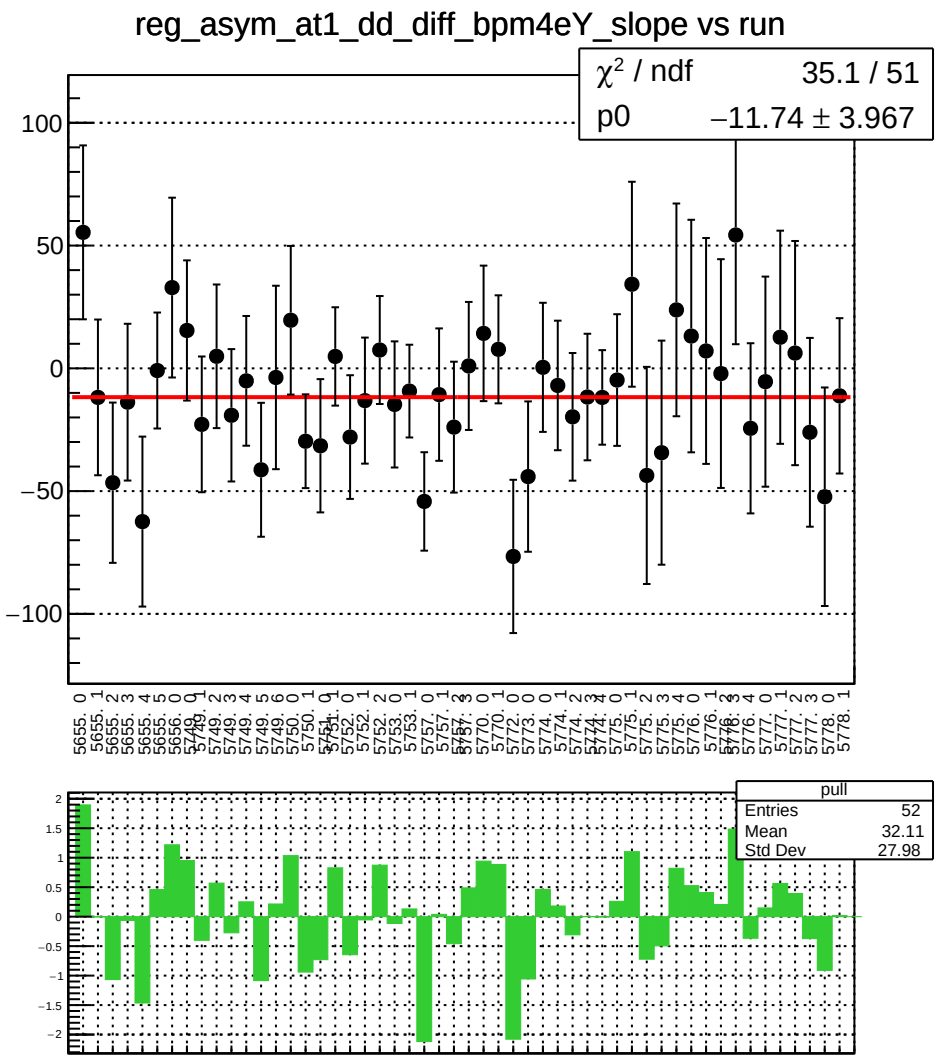

pull1D
Entries 52
Mean −0.024
Std Dev 0.866

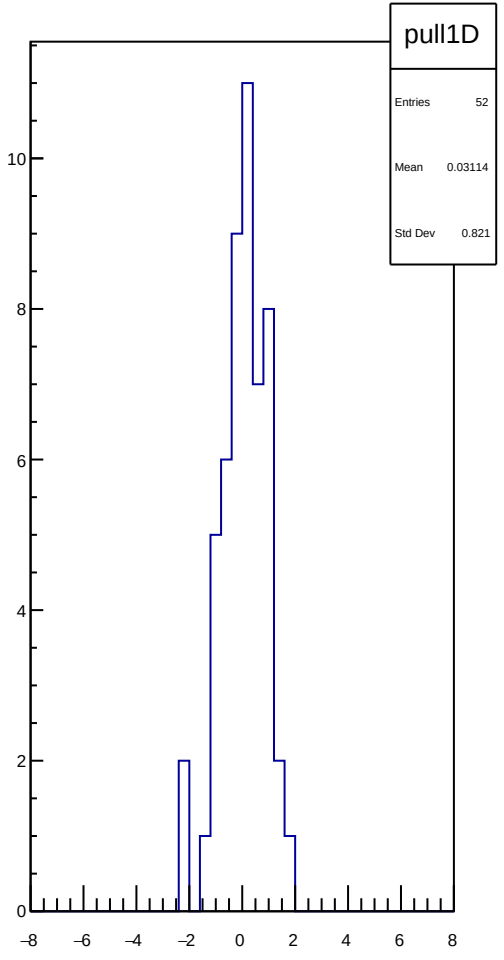

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.98 / 51
p0 15.34 ± 3.672
100
50
0
−50
−100
pull
Entries 52
Mean 13.69
Std Dev 33.04
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

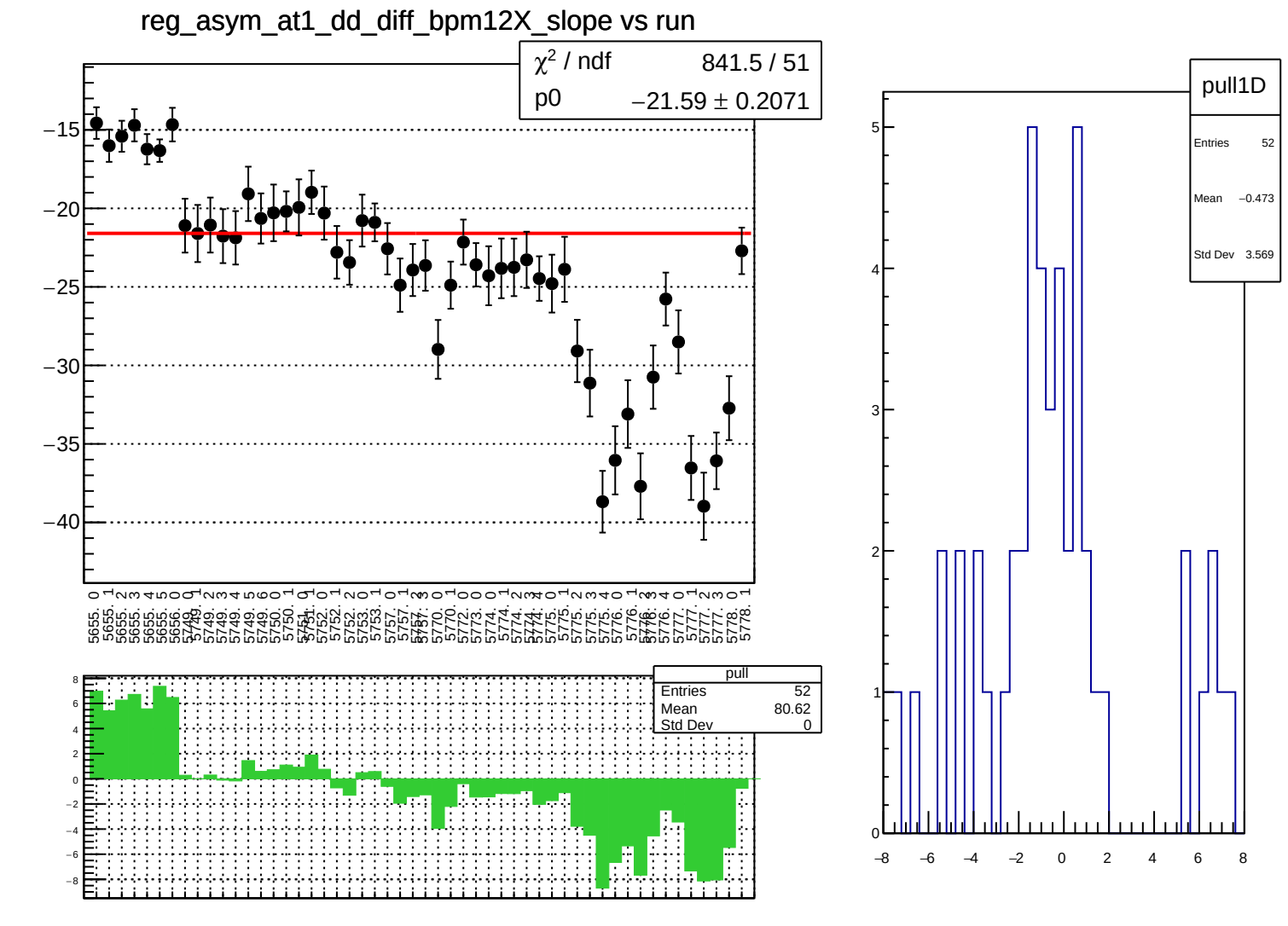

pull1D
Entries 52
Mean −0.02267
Std Dev 0.8198
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

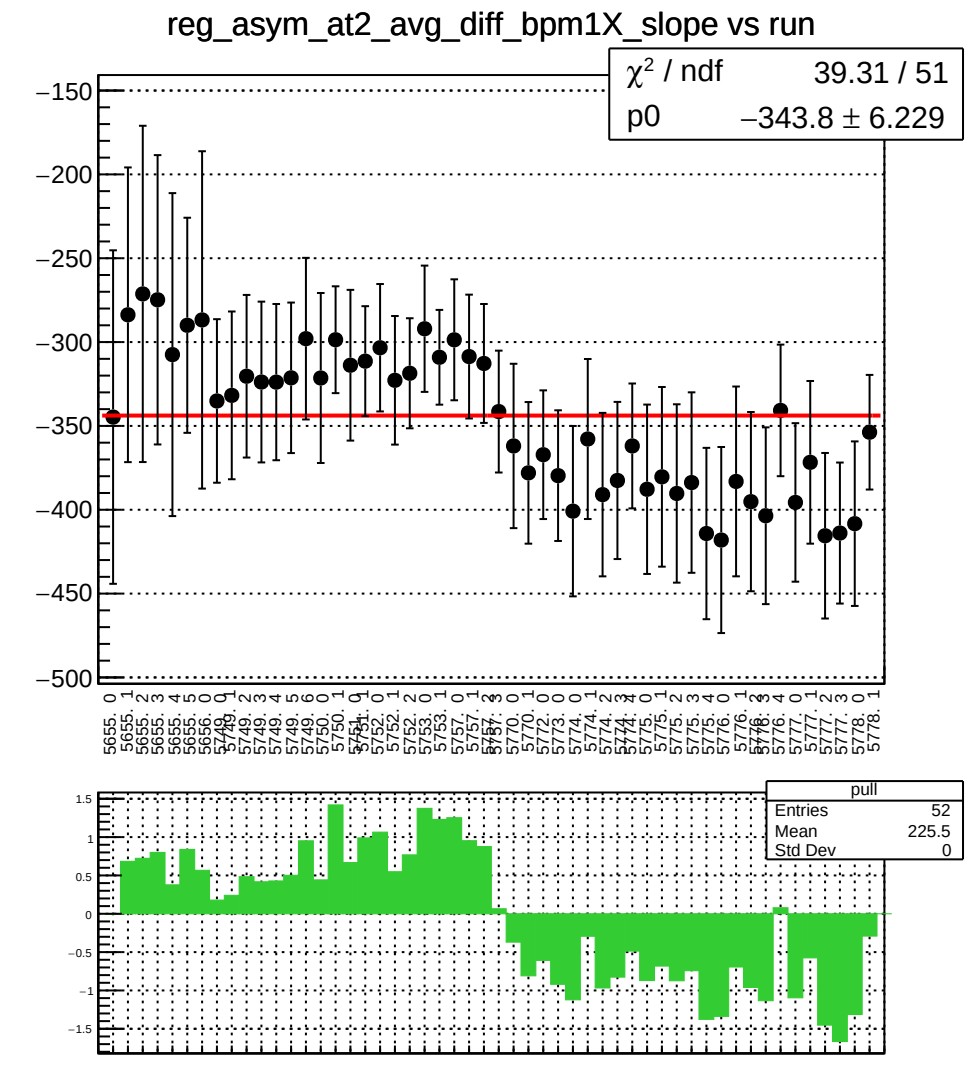

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 48.56 / 51
p0 101.3 ± 2.987
pull
Entries 52
Mean 407.8
Std Dev 0

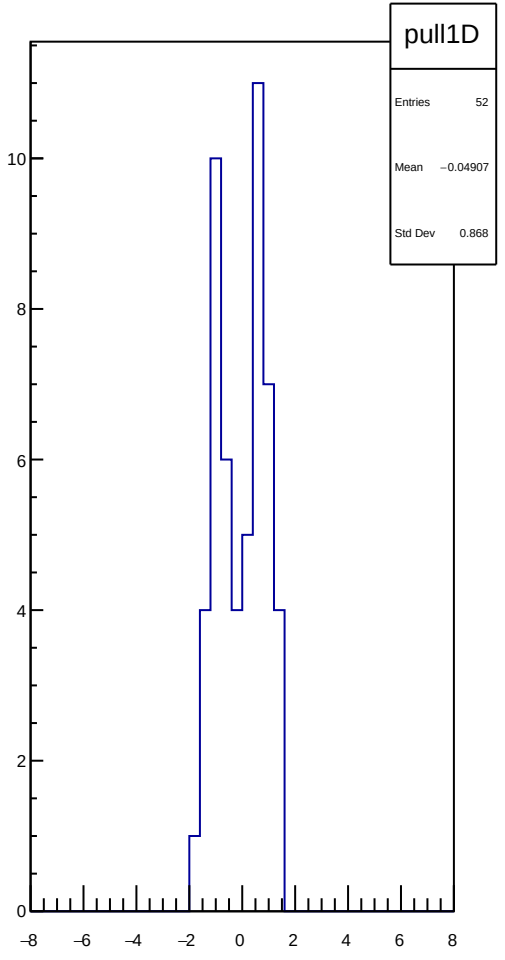

pull1D
Entries 52
Mean 0.02085
Std Dev 0.9661

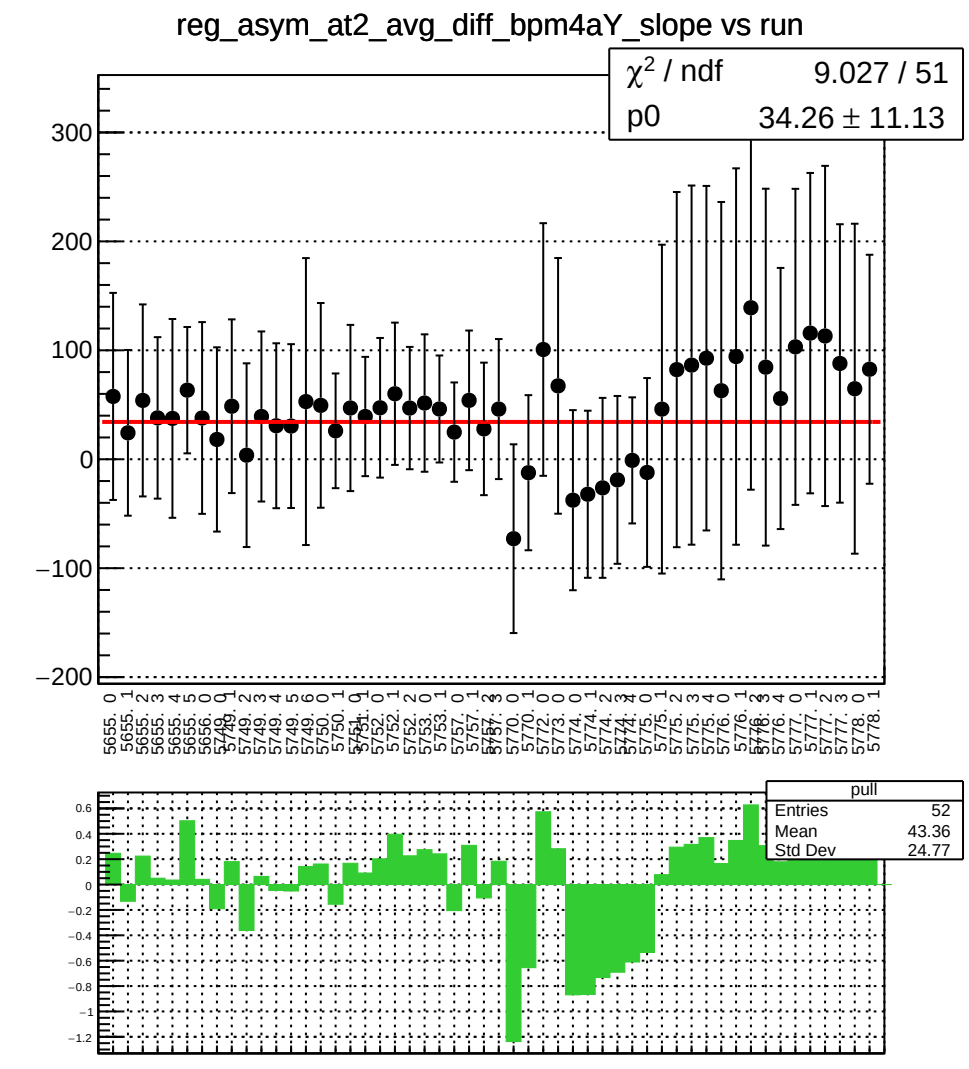

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 35.1 / 51
p0 −11.74 ± 3.967
100
50
0
−50
−100
pull
Entries 52
Mean 32.11
Std Dev 27.98
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

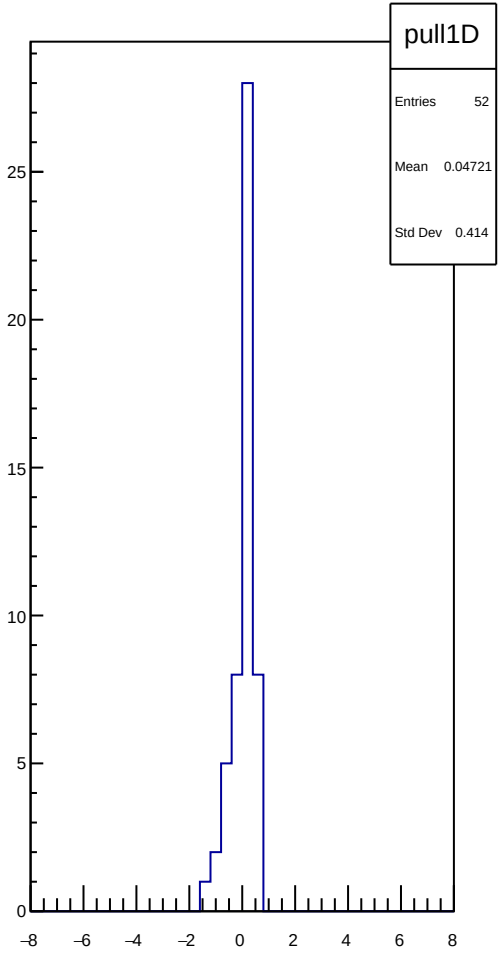

pull1D
Entries 52
Mean 0.03114
Std Dev 0.821
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

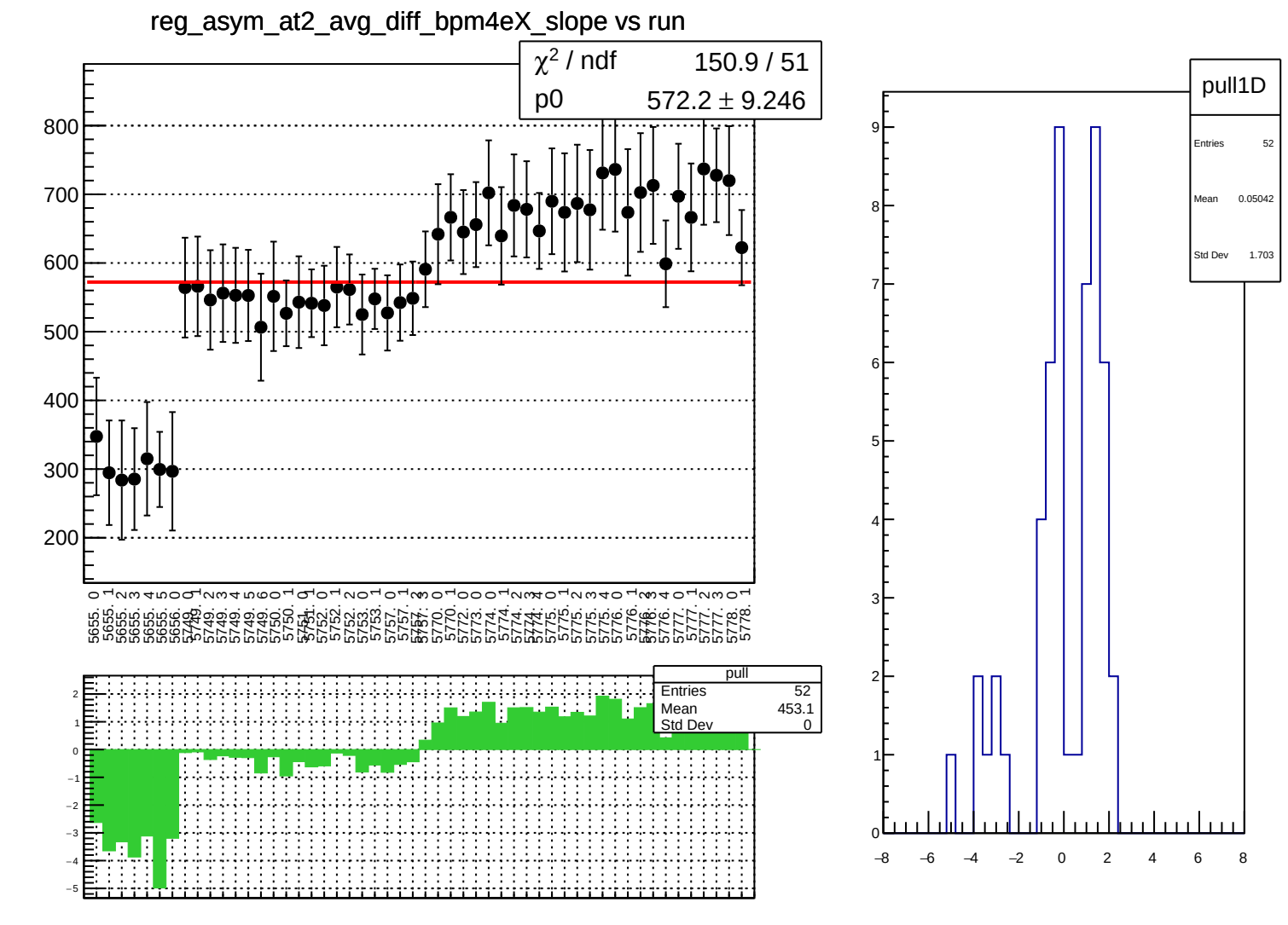

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 841.5 / 51
p0 −21.59 ± 0.2071
pull
Entries 52
Mean 80.62
Std Dev 0
pull1D
Entries 52
Mean −0.473
Std Dev 3.569

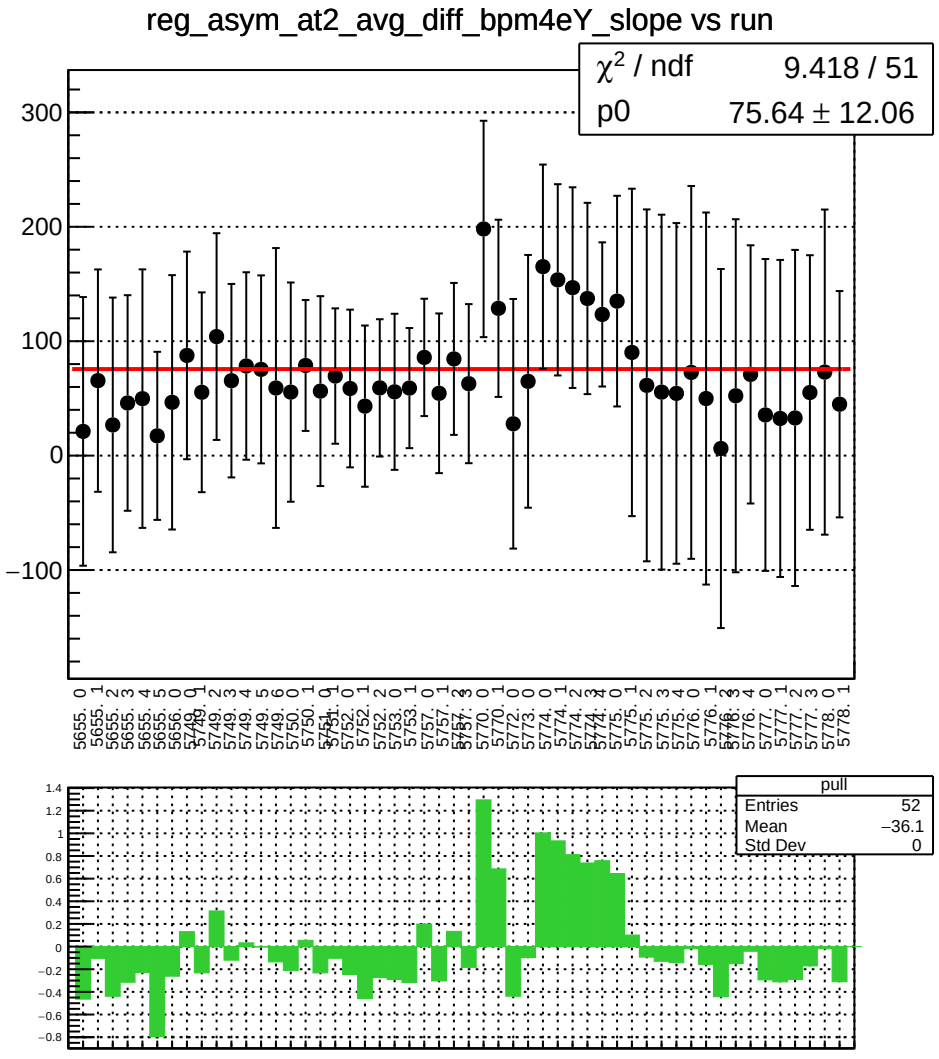

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 39.31 / 51
p0 −343.8 ± 6.229
pull
Entries 52
Mean 225.5
Std Dev 0

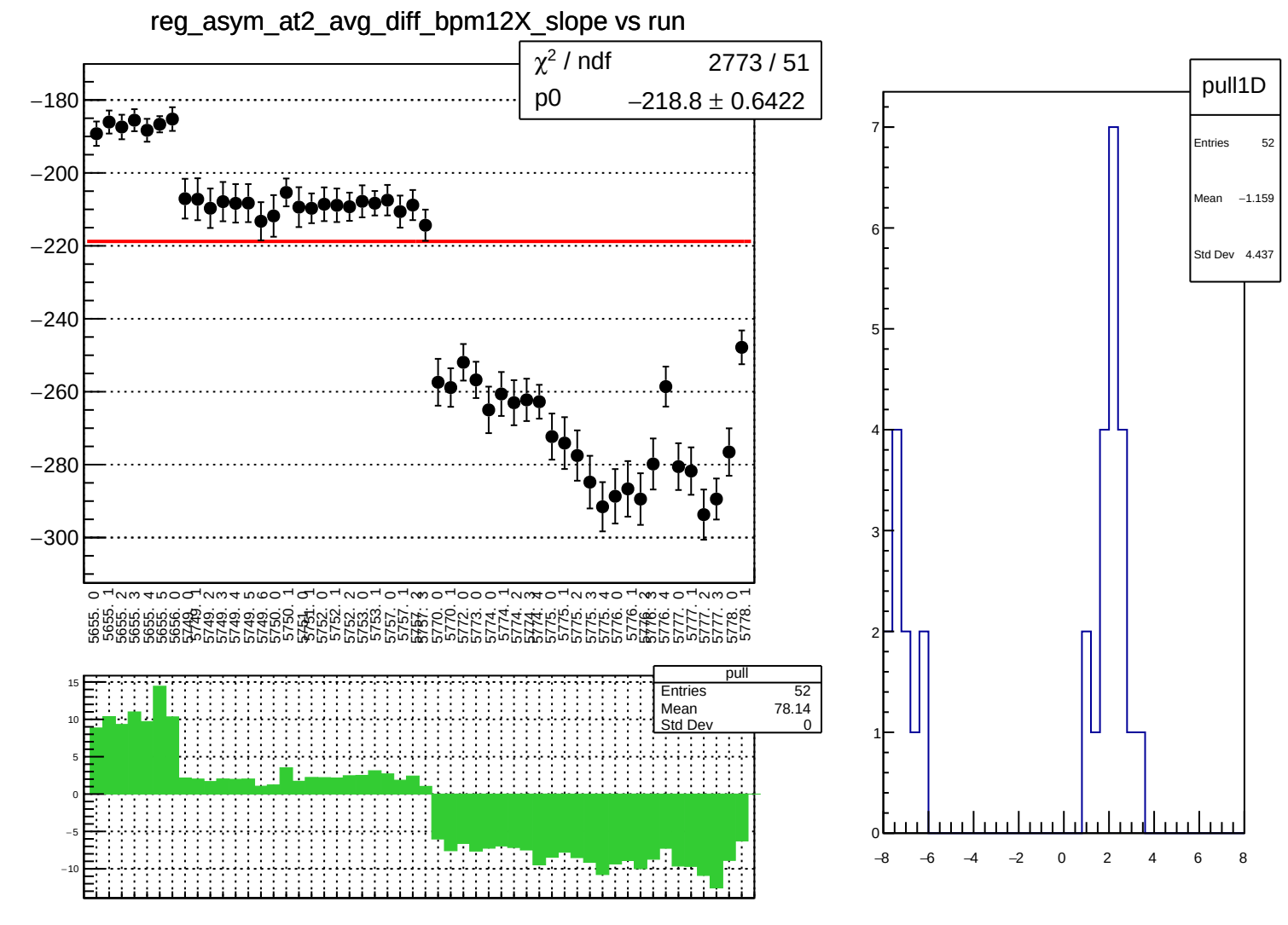

pull1D
Entries 52
Mean −0.04907
Std Dev 0.868

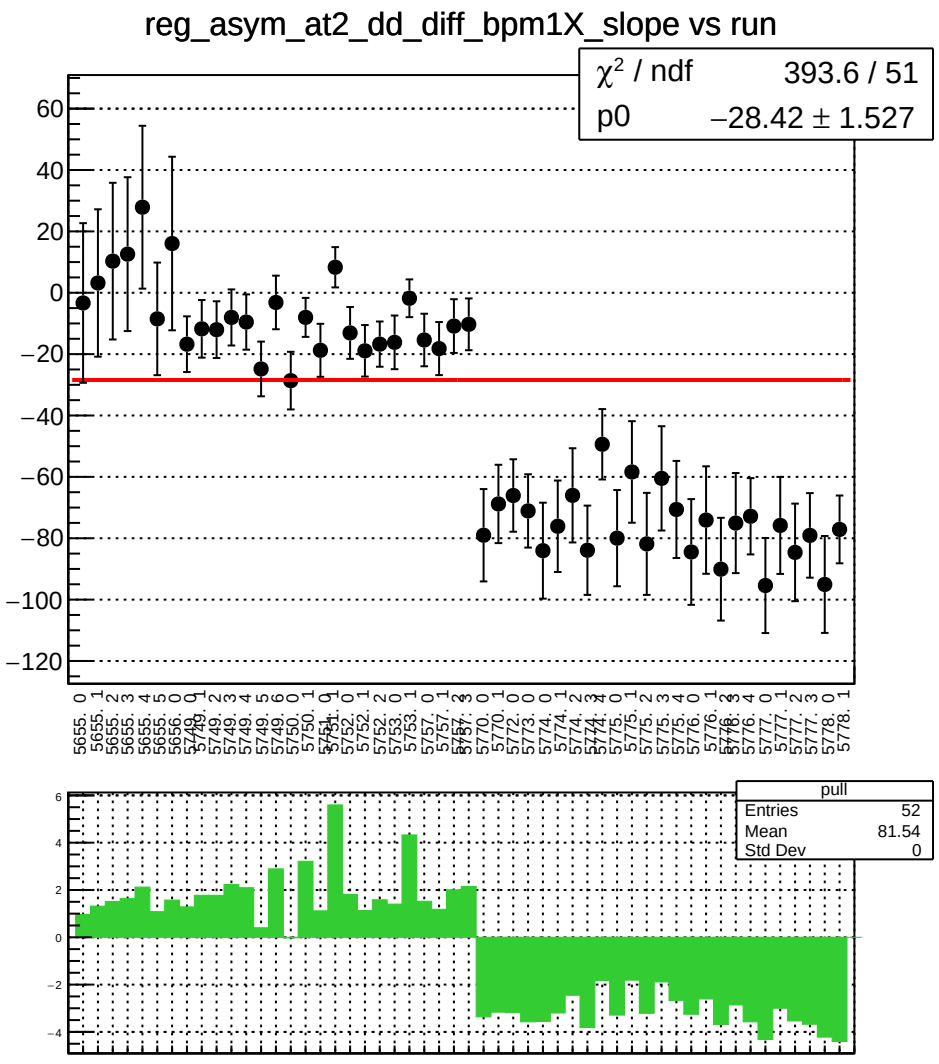

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.027 / 51
p0 34.26 ± 11.13
pull
Entries 52
Mean 43.36
Std Dev 24.77

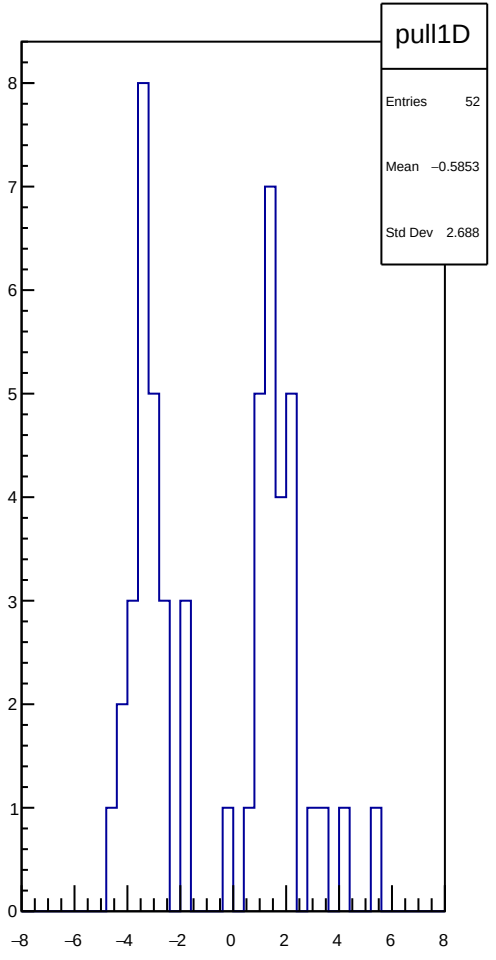

pull1D
Entries 52
Mean 0.04721
Std Dev 0.414

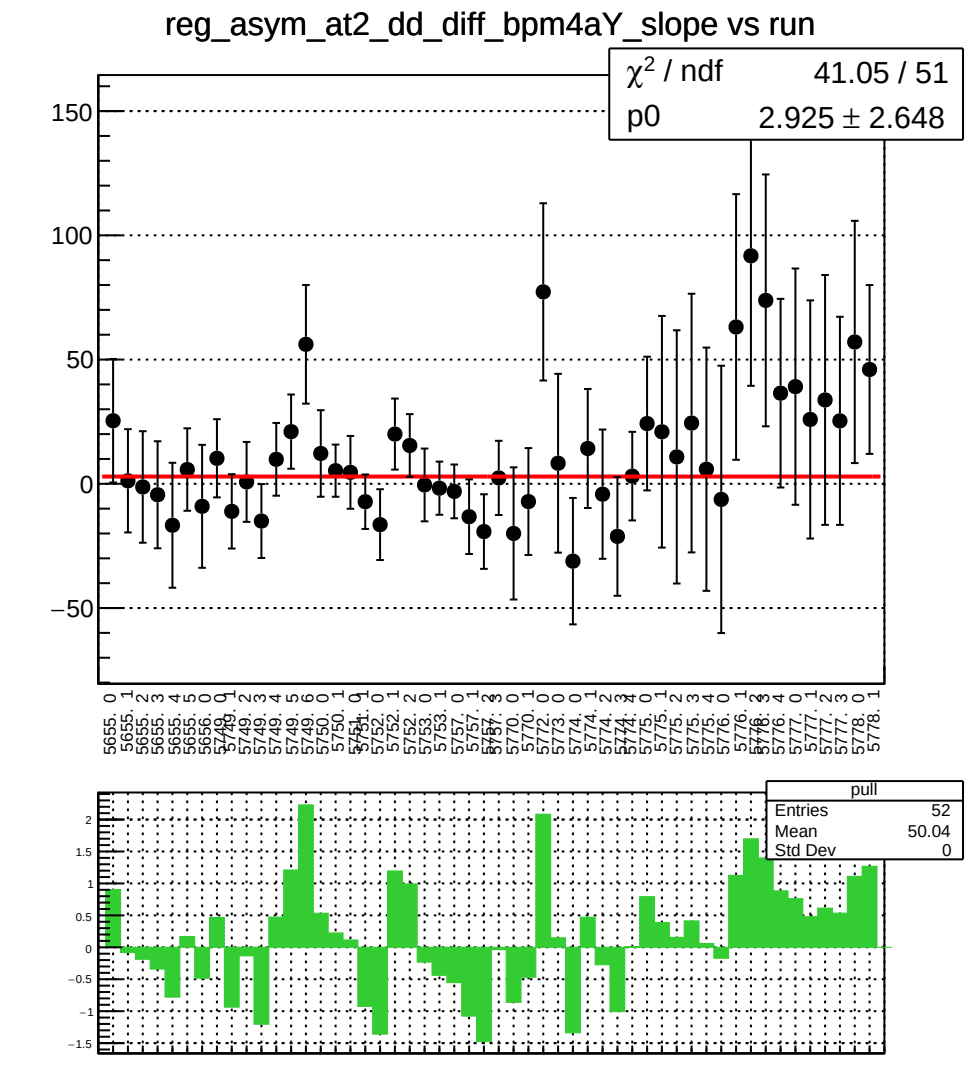

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 150.9 / 51
p0 572.2 ± 9.246
pull
Entries 52
Mean 453.1
Std Dev 0
pull1D
Entries 52
Mean 0.05042
Std Dev 1.703

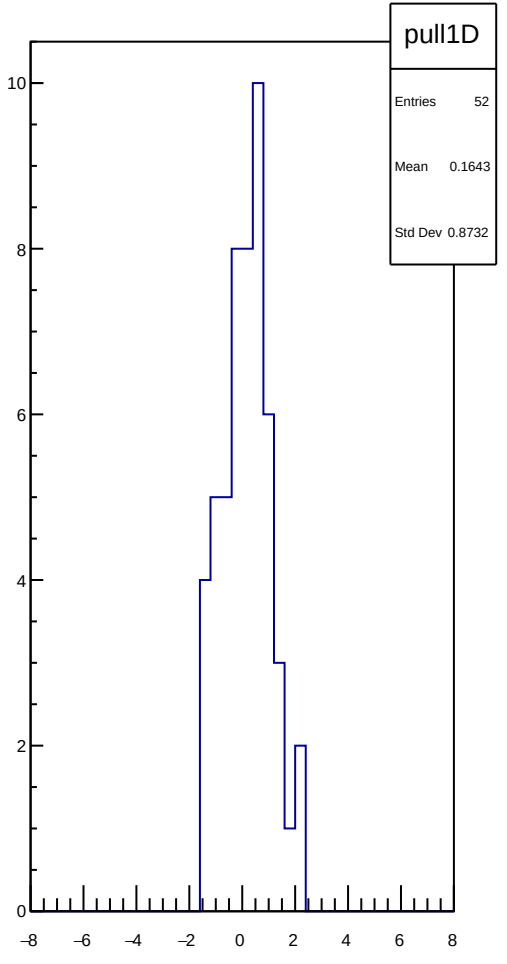

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.418 / 51
p0 75.64 ± 12.06
pull
Entries 52
Mean −36.1
Std Dev 0
pull1D
Entries 52
Mean −0.01889
Std Dev 0.4251

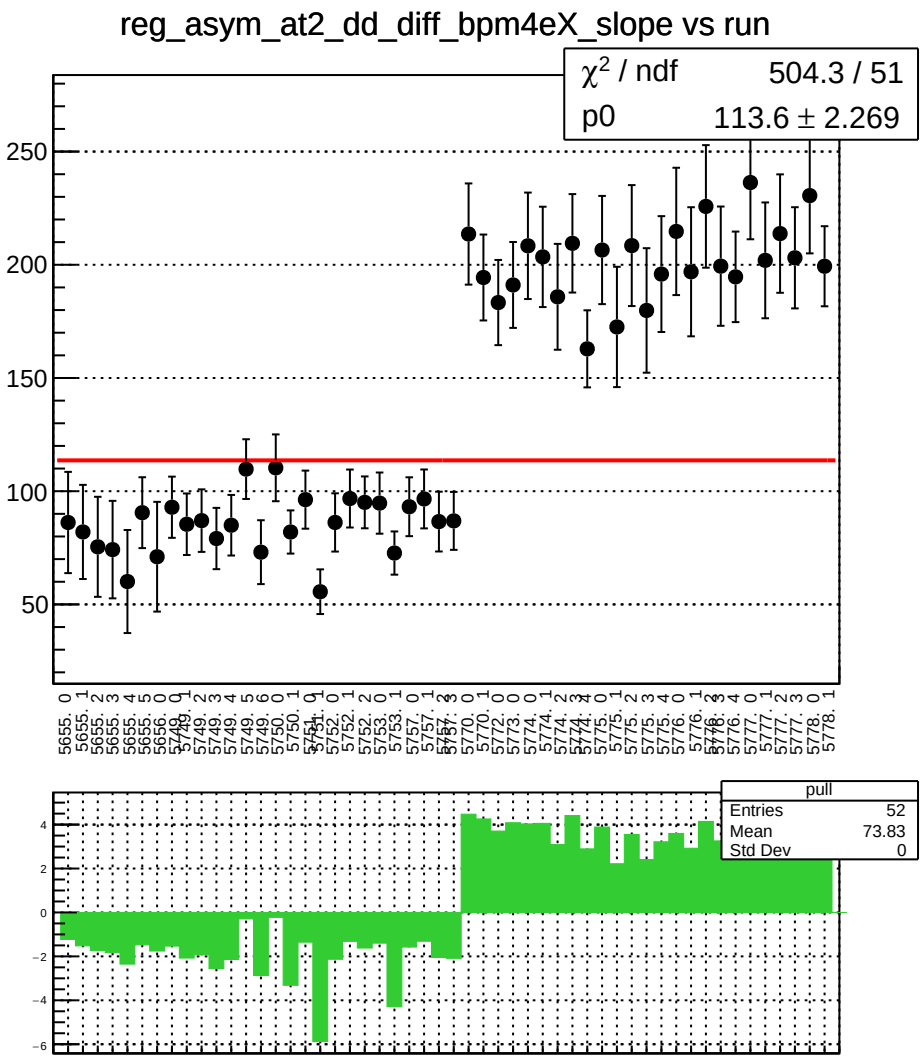

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 2773 / 51
p0 −218.8 ± 0.6422
pull
Entries 52
Mean 78.14
Std Dev 0
pull1D
Entries 52
Mean −1.159
Std Dev 4.437

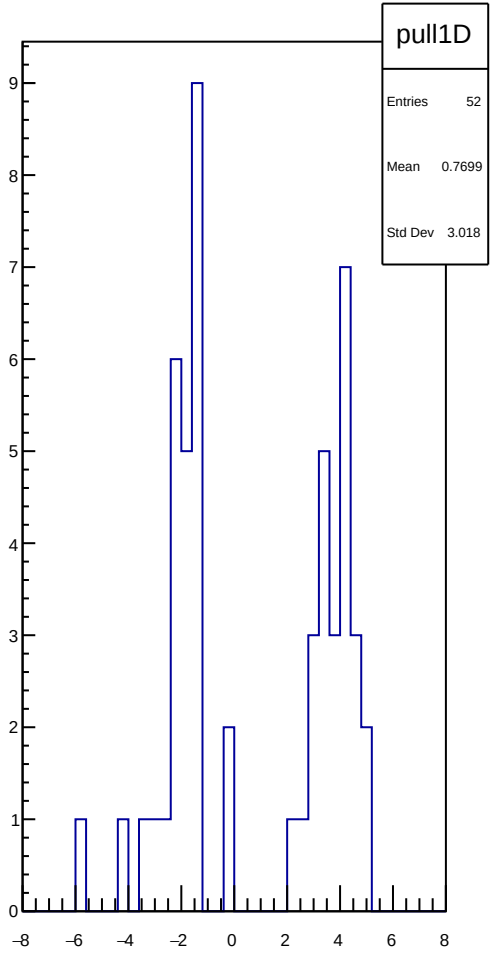

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 393.6 / 51
p0 −28.42 ± 1.527
pull
Entries 52
Mean 81.54
Std Dev 0

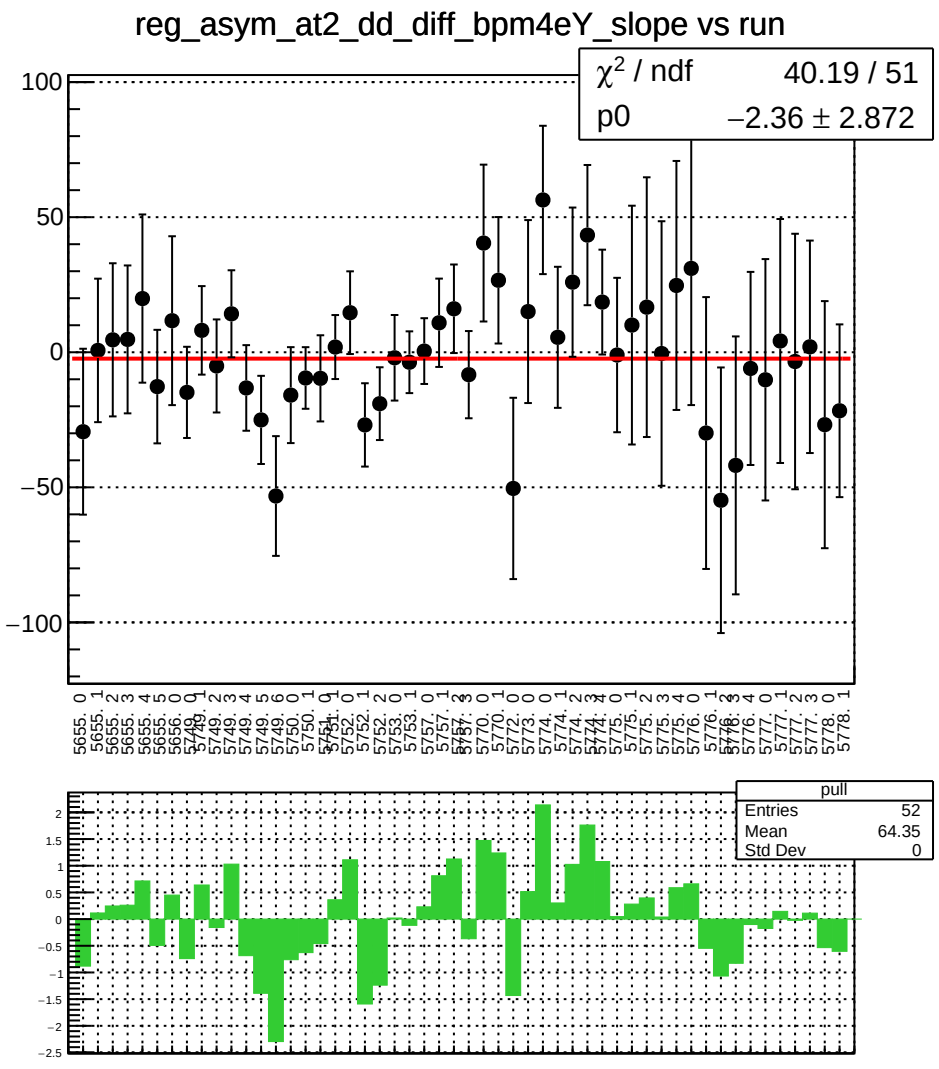

pull1D
Entries 52
Mean −0.5853
Std Dev 2.688

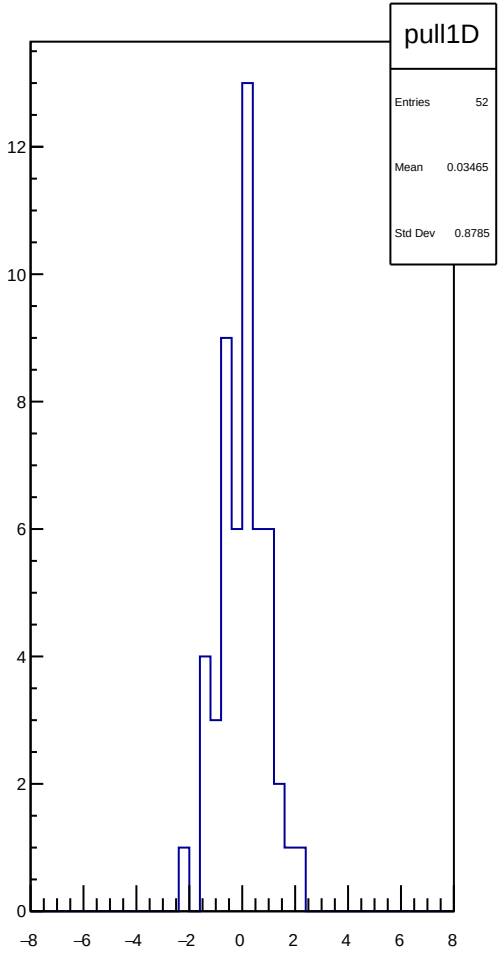

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 41.05 / 51
p0 2.925 ± 2.648
150
100
50
0
−50
pull
Entries 52
Mean 50.04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

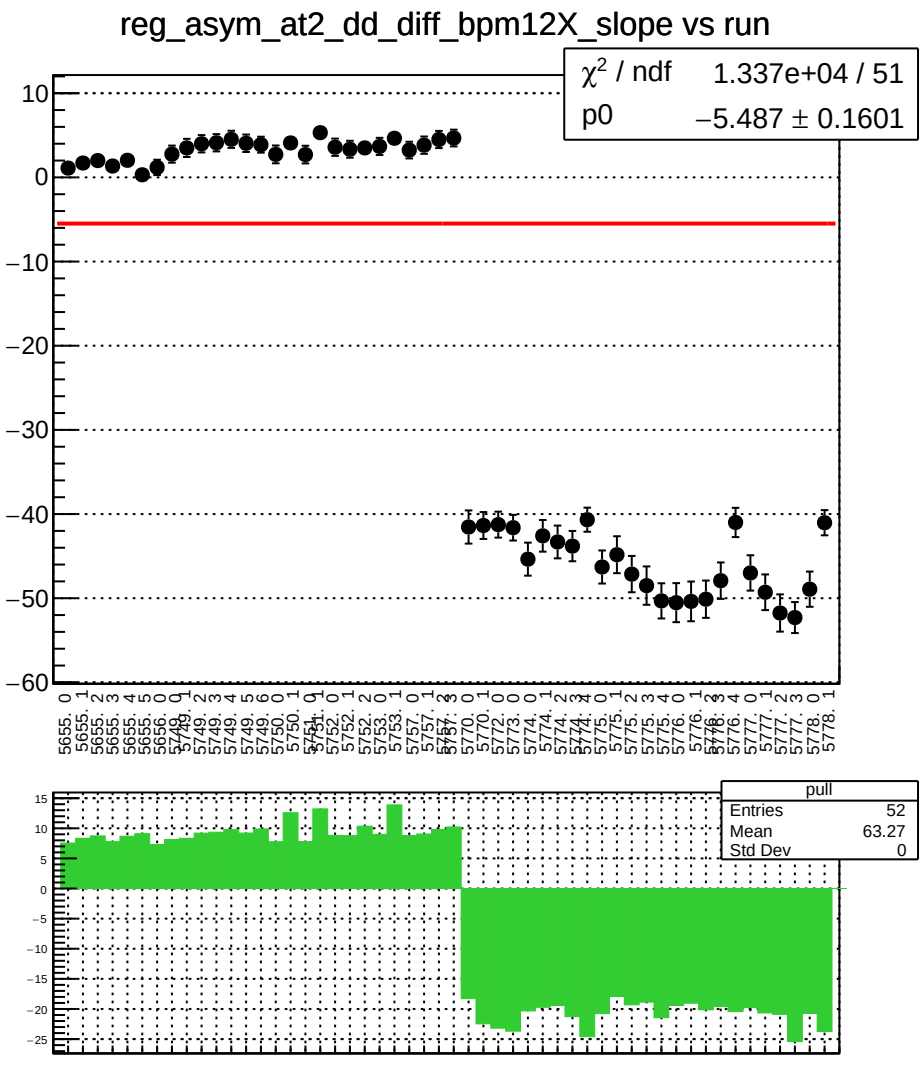

pull1D
Entries 52
Mean 0.1643
Std Dev 0.8732
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

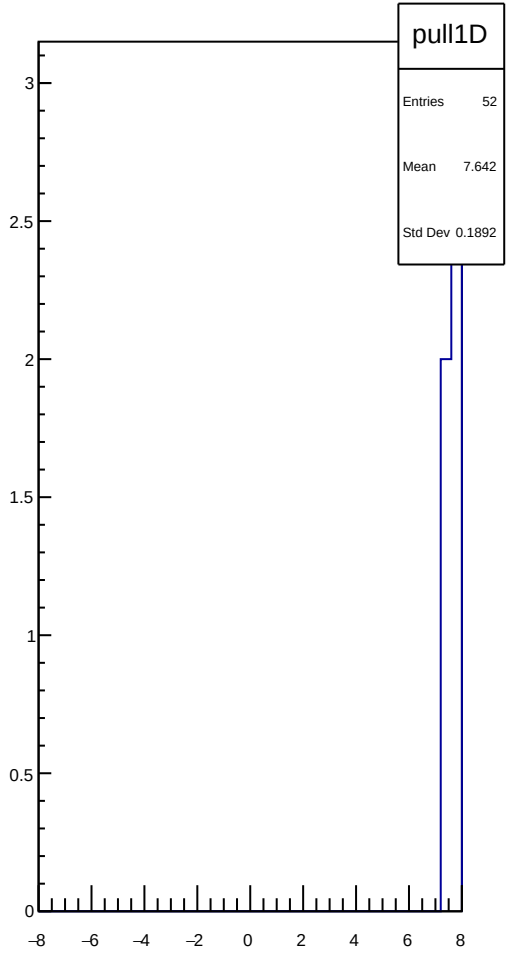

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 504.3 / 51
p0 113.6 ± 2.269
pull
Entries 52
Mean 73.83
Std Dev 0

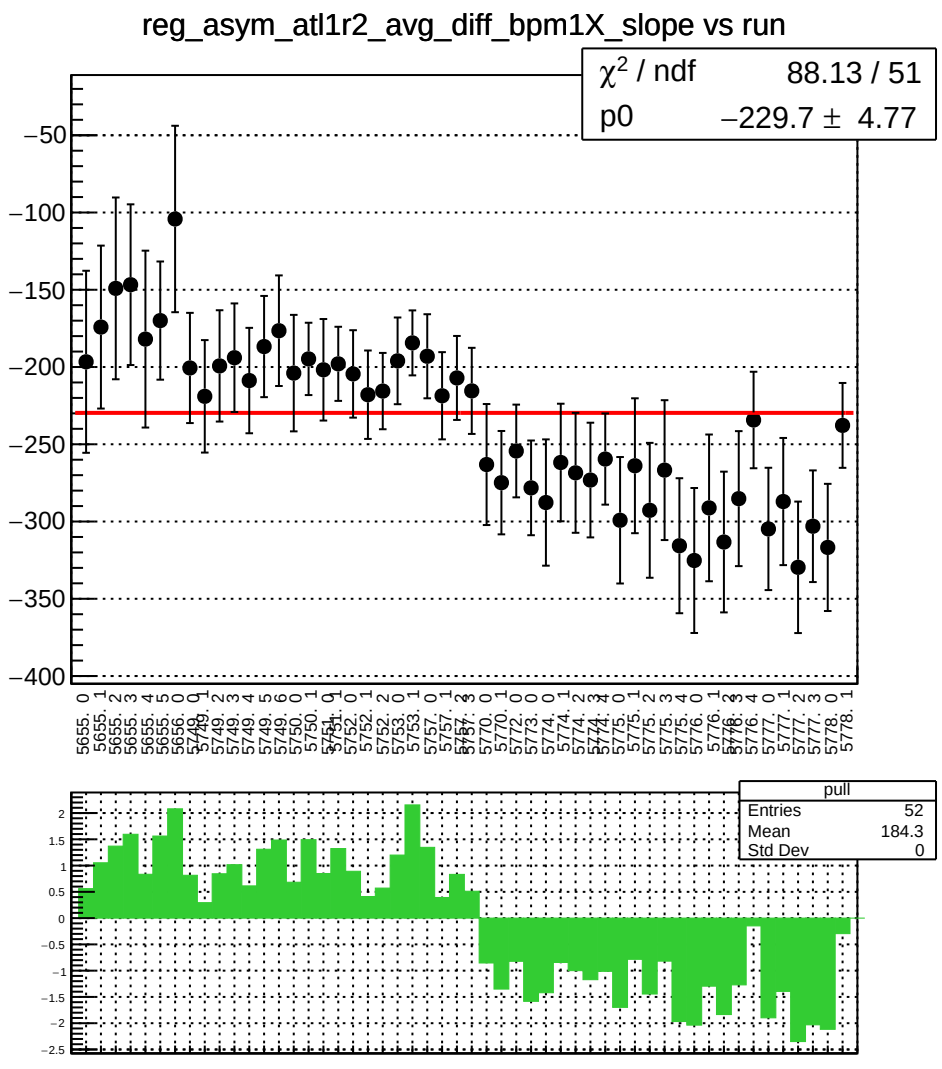

pull1D
Entries 52
Mean 0.7699
Std Dev 3.018

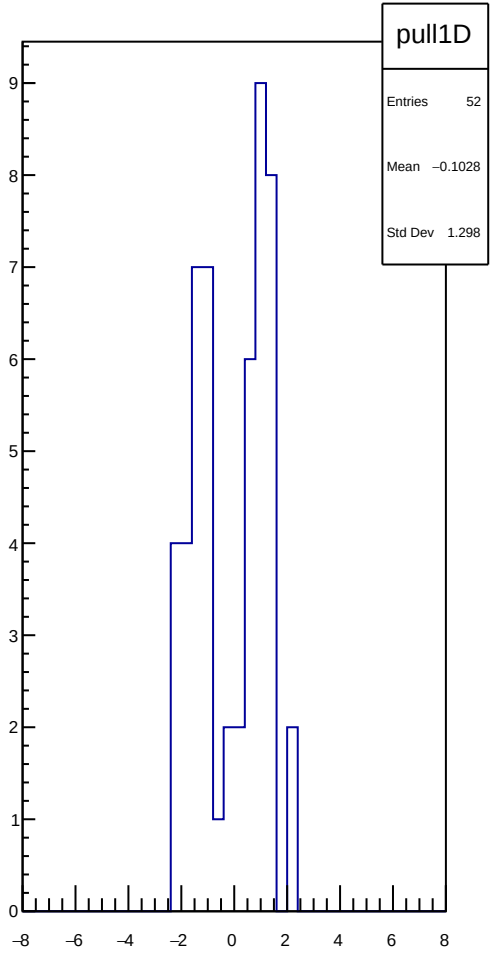

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.19 / 51
p0 −2.36 ± 2.872
pull
Entries 52
Mean 64.35
Std Dev 0

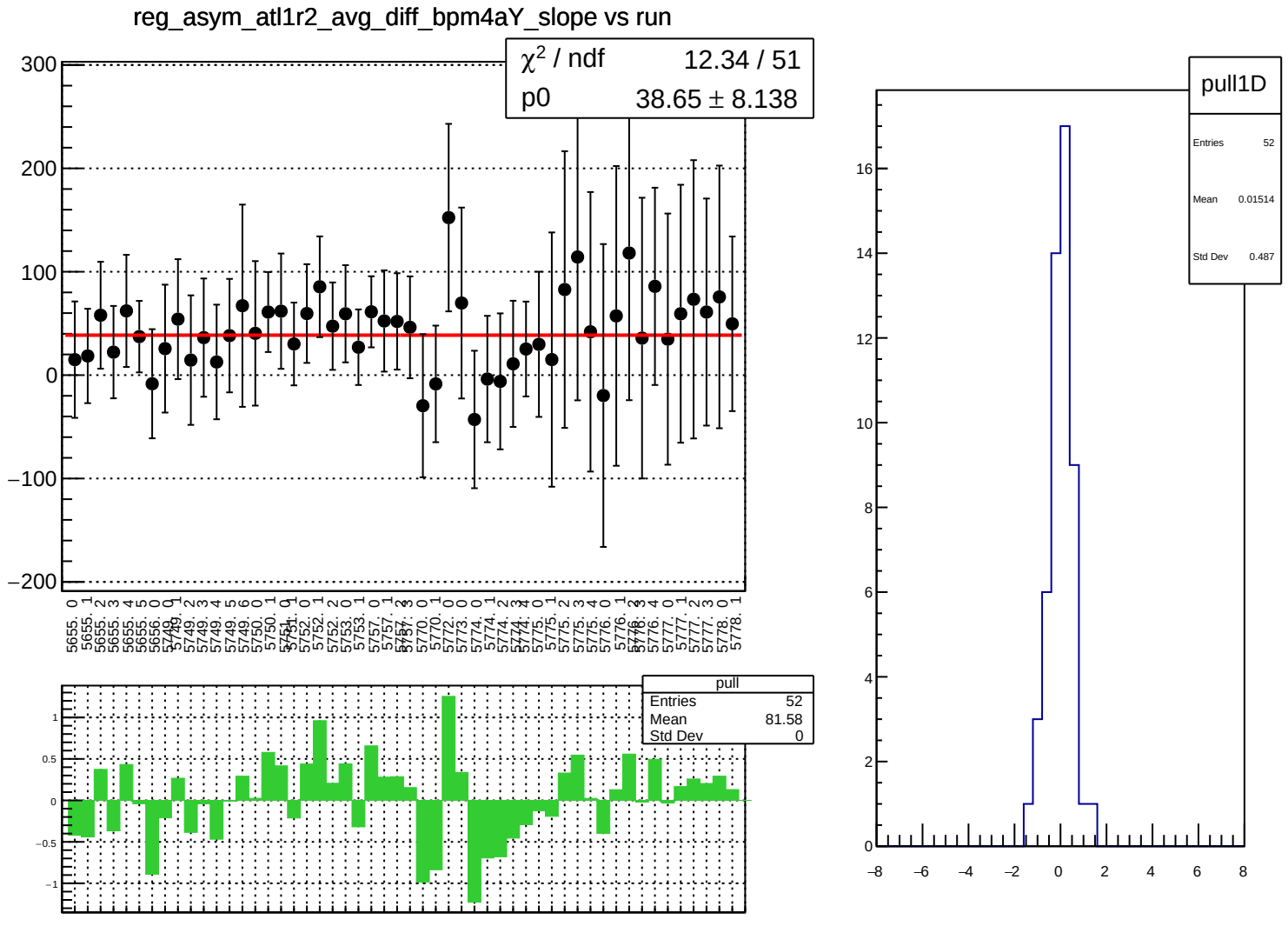

pull1D
Entries 52
Mean 0.03465
Std Dev 0.8785

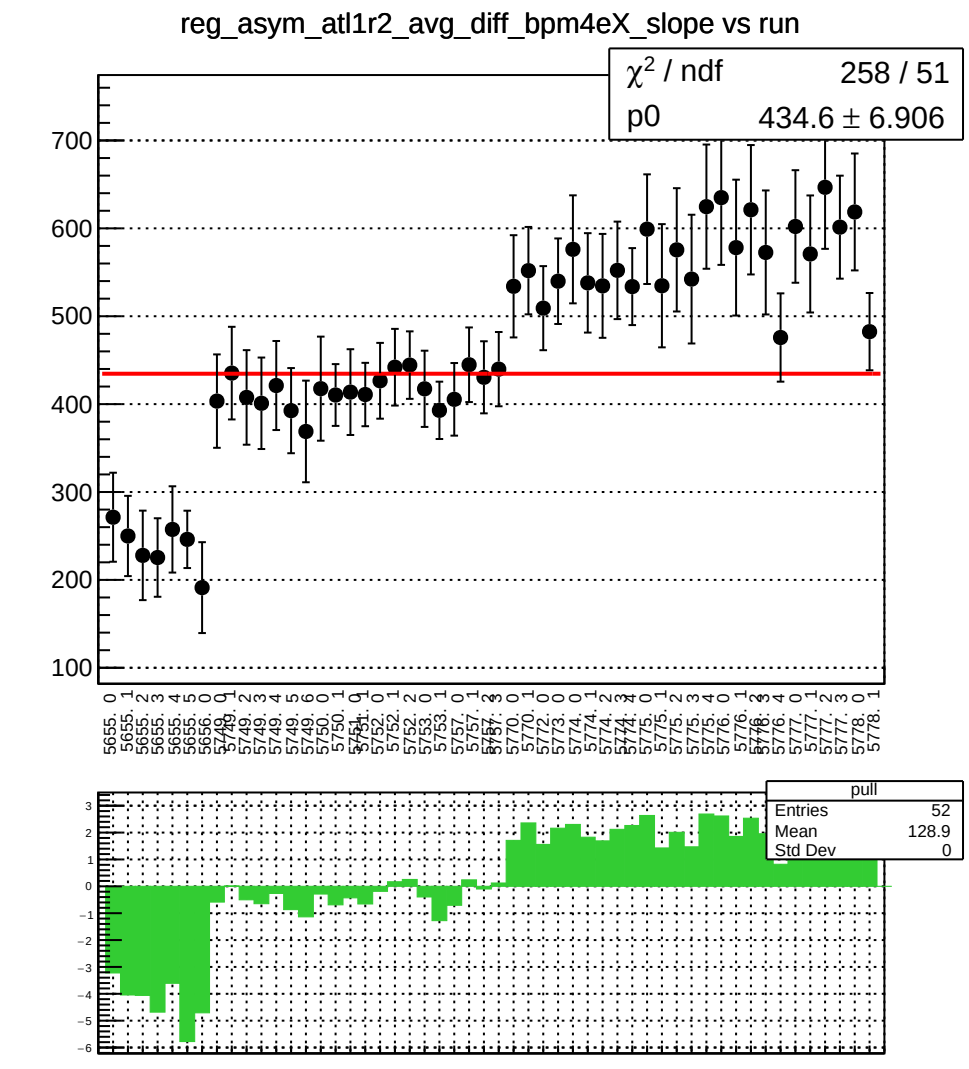

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 1.337e+04 / 51
p0 −5.487 ± 0.1601
pull
Entries 52
Mean 63.27
Std Dev 0

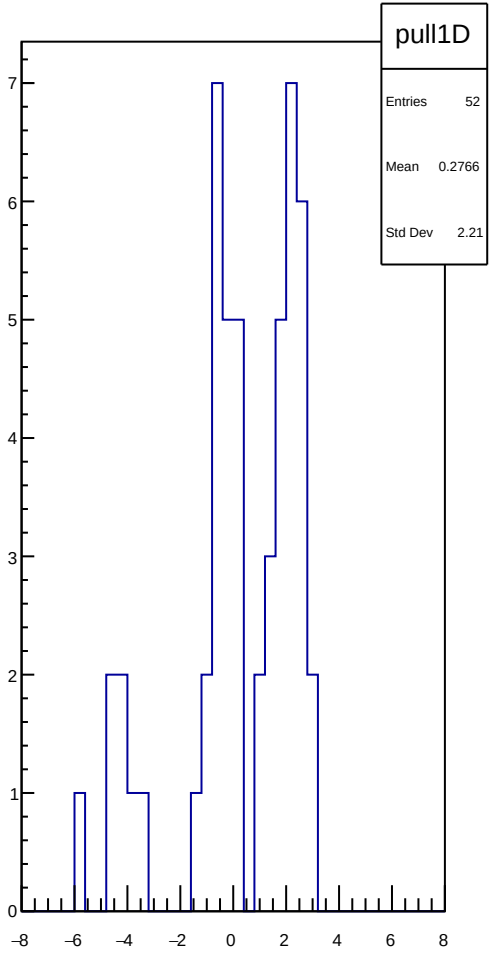

pull1D
Entries 52
Mean 7.642
Std Dev 0.1892

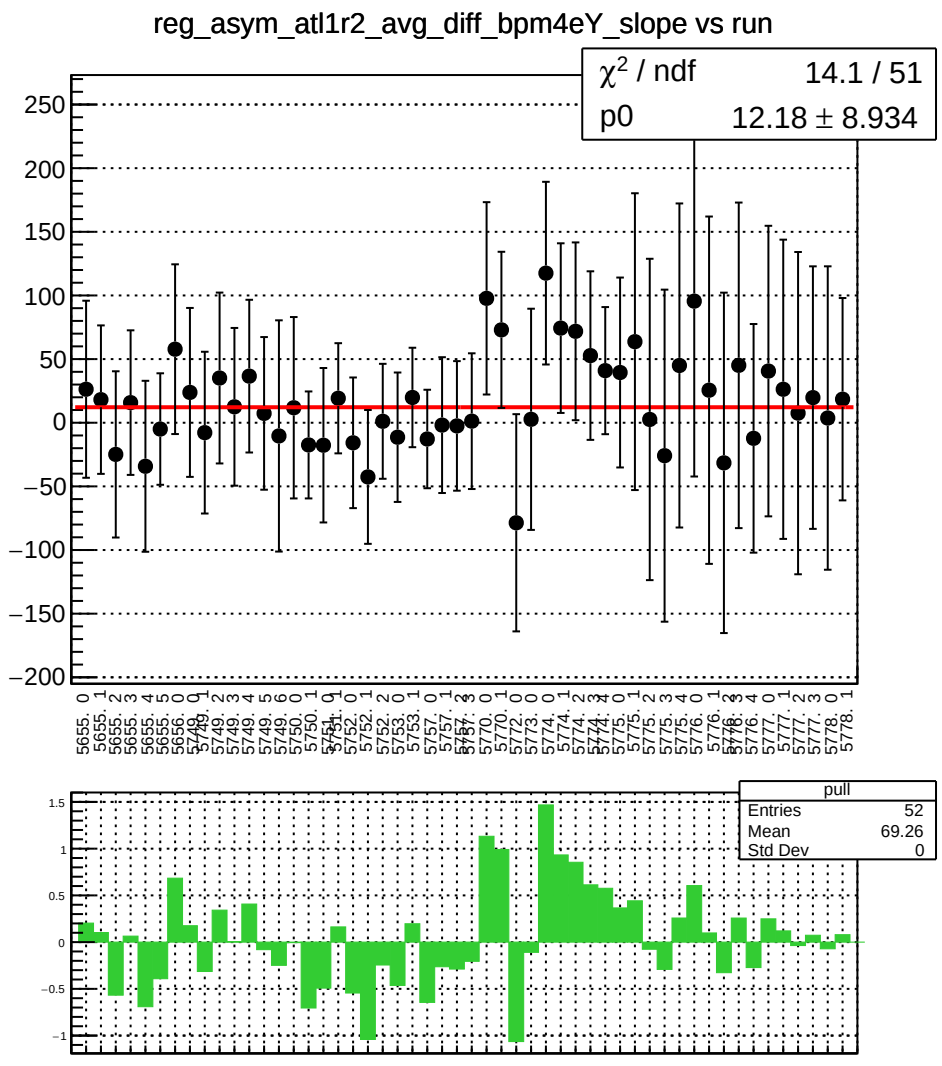

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 88.13 / 51
p0 −229.7 ± 4.77
pull
Entries 52
Mean 184.3
Std Dev 0

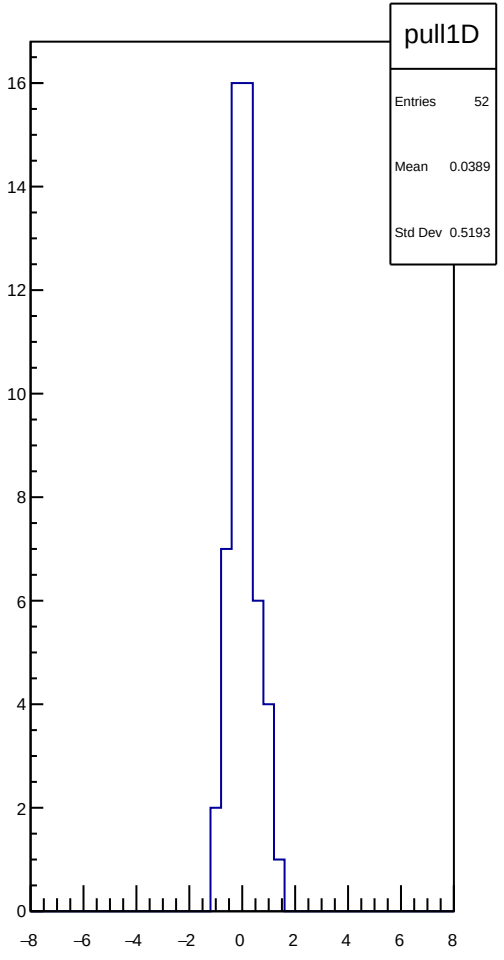

pull1D
Entries 52
Mean −0.1028
Std Dev 1.298

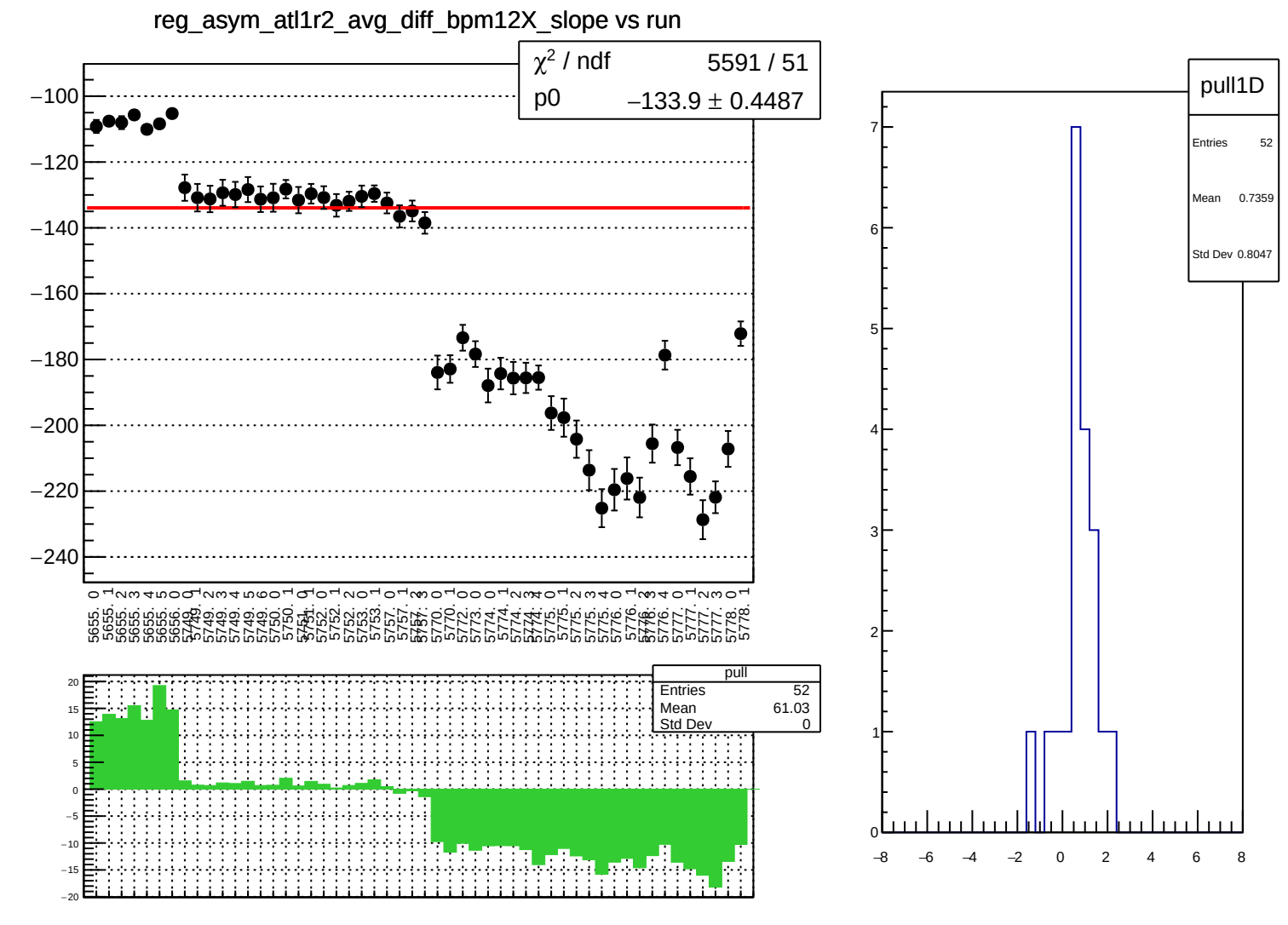

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.34 / 51
p0 38.65 ± 8.138
300
200
100
0
−100
−200
pull
Entries 52
Mean 81.58
Std Dev 0
pull1D
Entries 52
Mean 0.01514
Std Dev 0.487

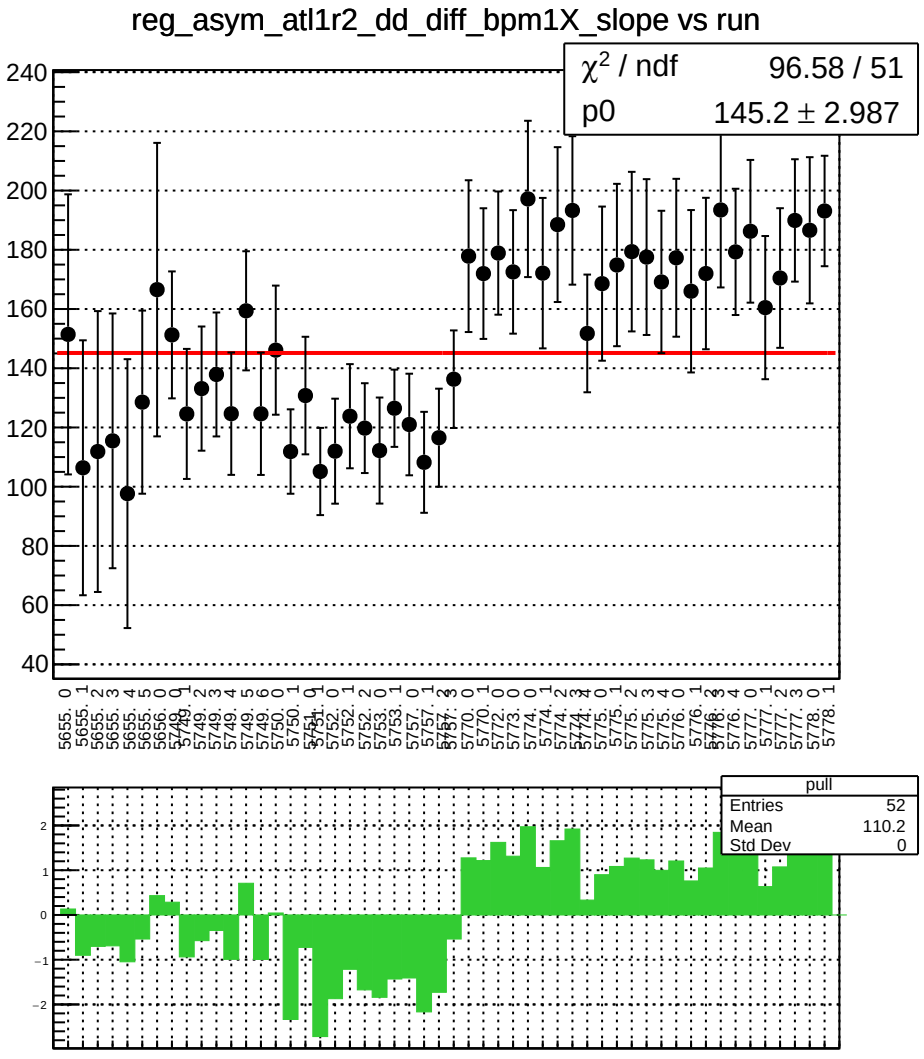

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 258 / 51
p0 434.6 ± 6.906
pull
Entries 52
Mean 128.9
Std Dev 0

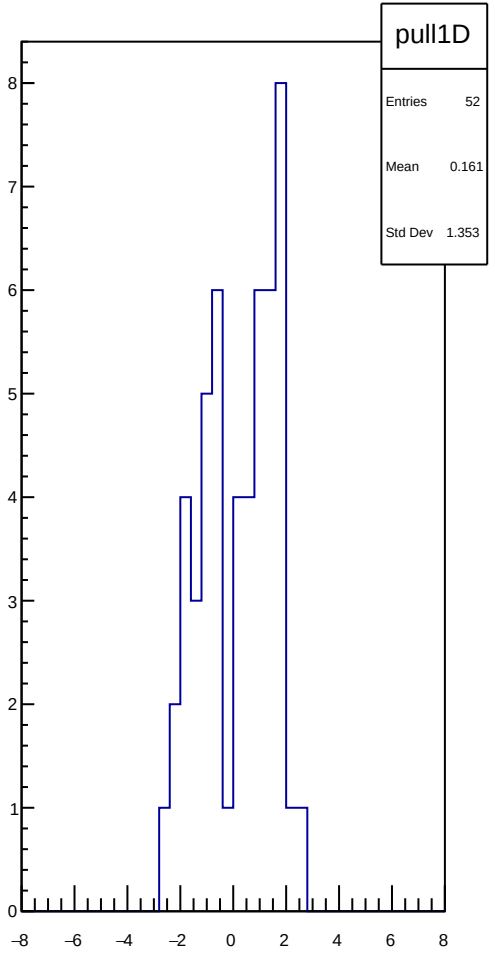

pull1D
Entries 52
Mean 0.2766
Std Dev 2.21

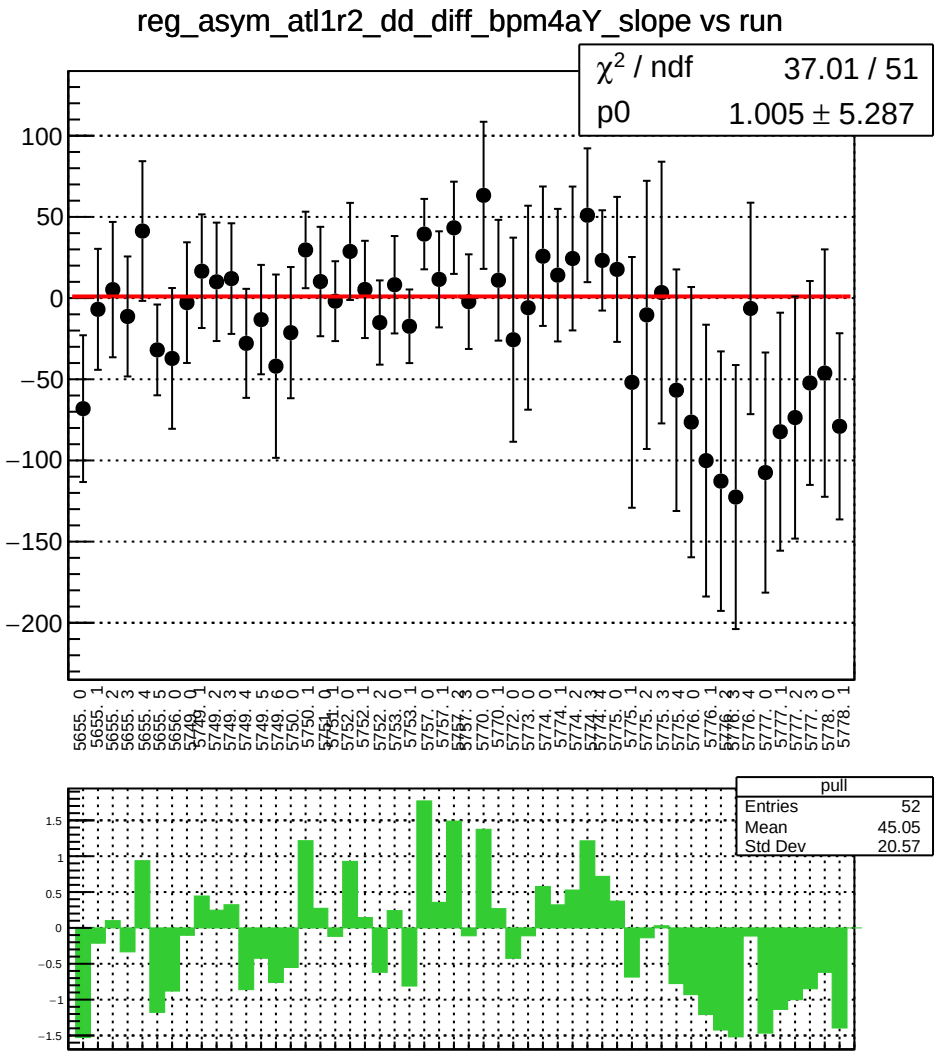

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.1 / 51
p0 12.18 ± 8.934
pull
Entries 52
Mean 69.26
Std Dev 0

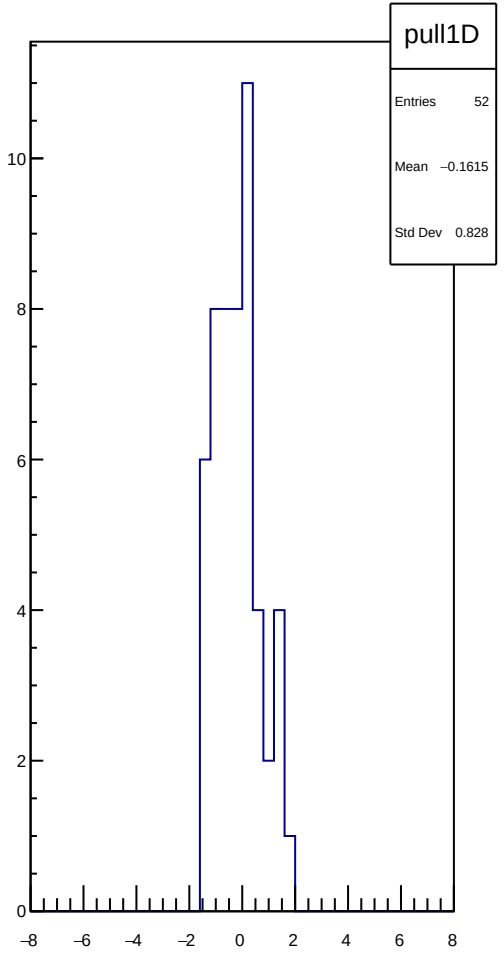

pull1D
Entries 52
Mean 0.0389
Std Dev 0.5193

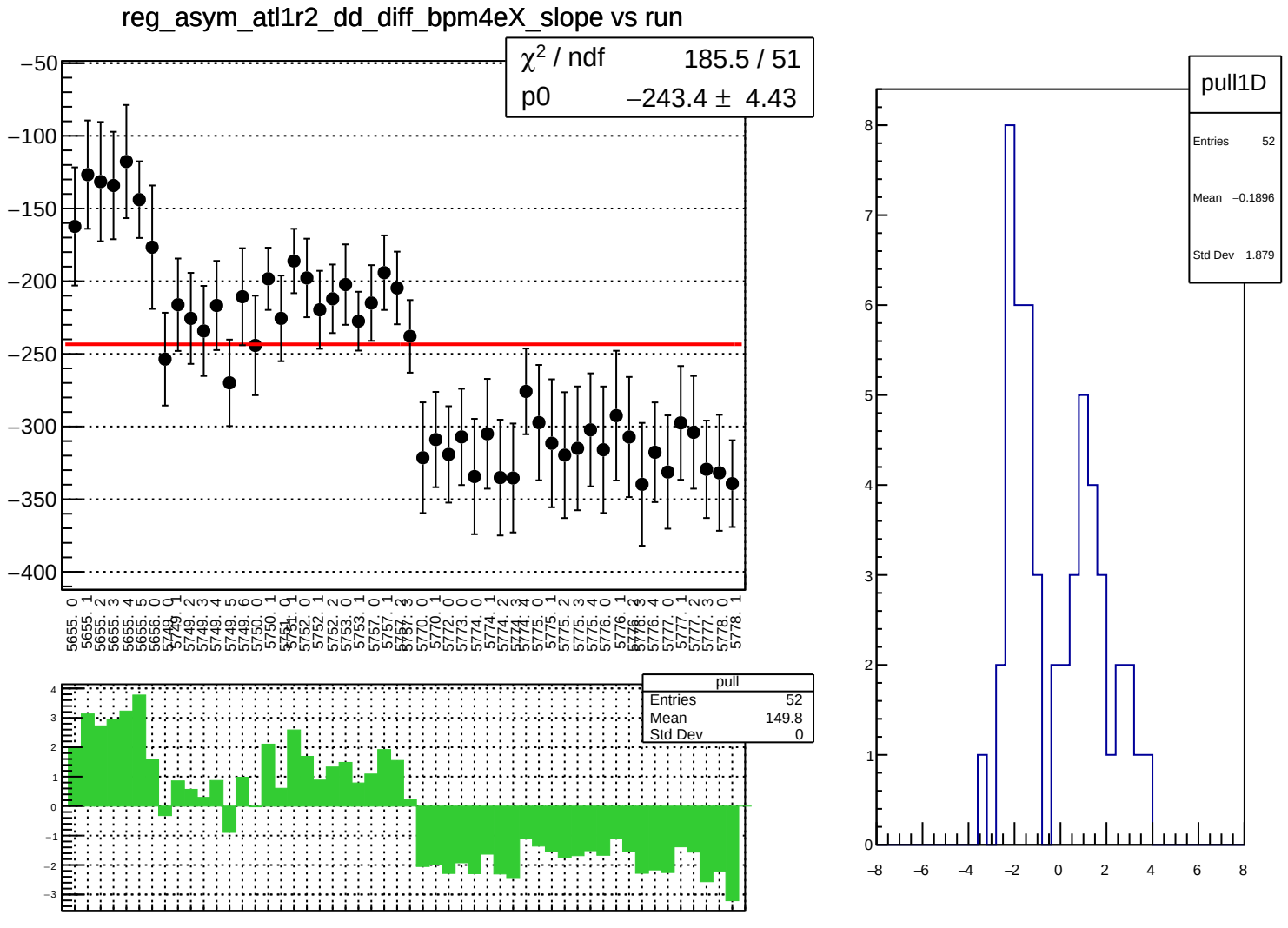

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 5591 / 51
p0 −133.9 ± 0.4487
pull
Entries 52
Mean 61.03
Std Dev 0
pull1D
Entries 52
Mean 0.7359
Std Dev 0.8047

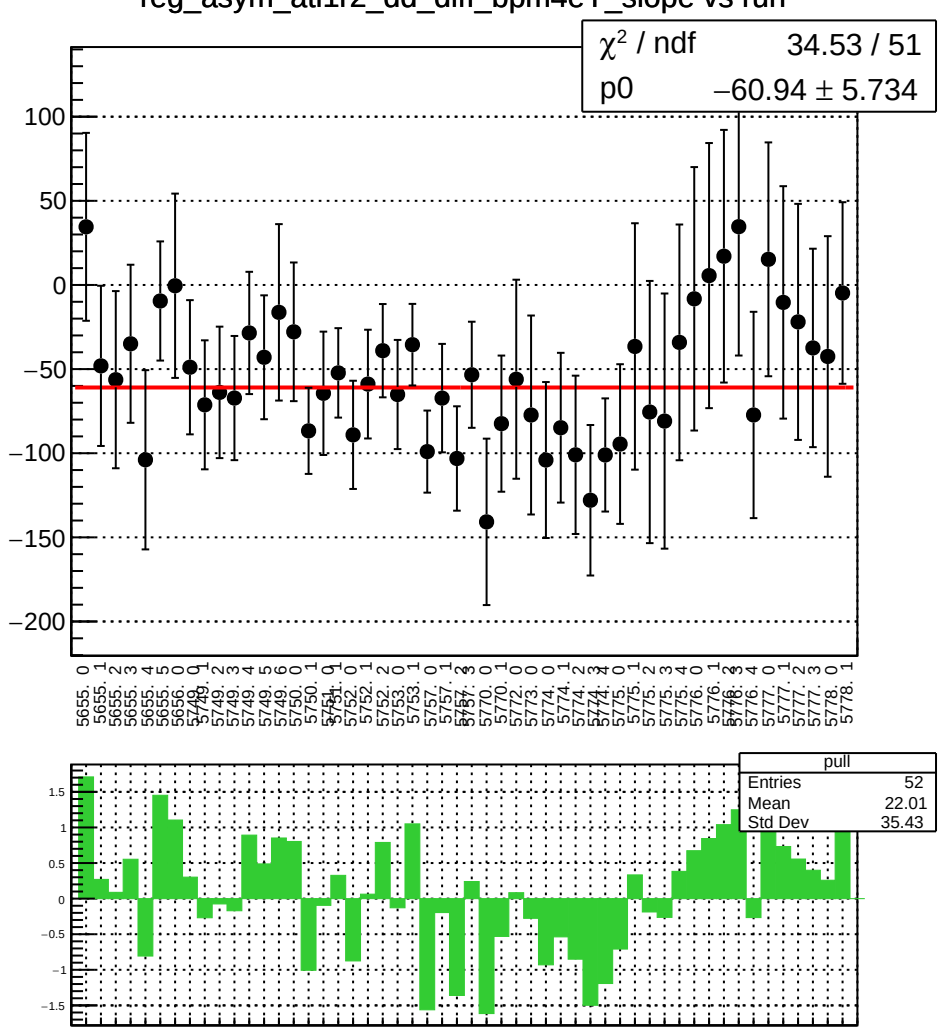

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 96.58 / 51
p0 145.2 ± 2.987
pull
Entries 52
Mean 110.2
Std Dev 0

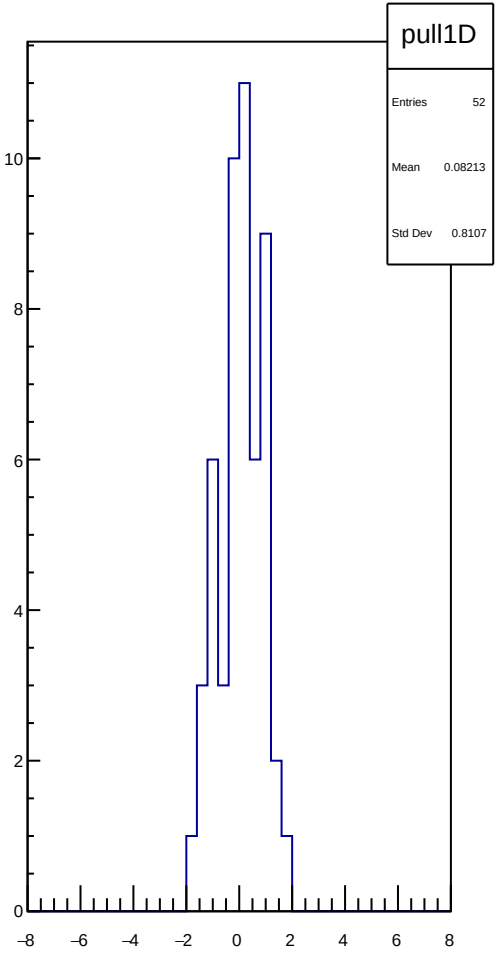

pull1D
Entries 52
Mean 0.161
Std Dev 1.353

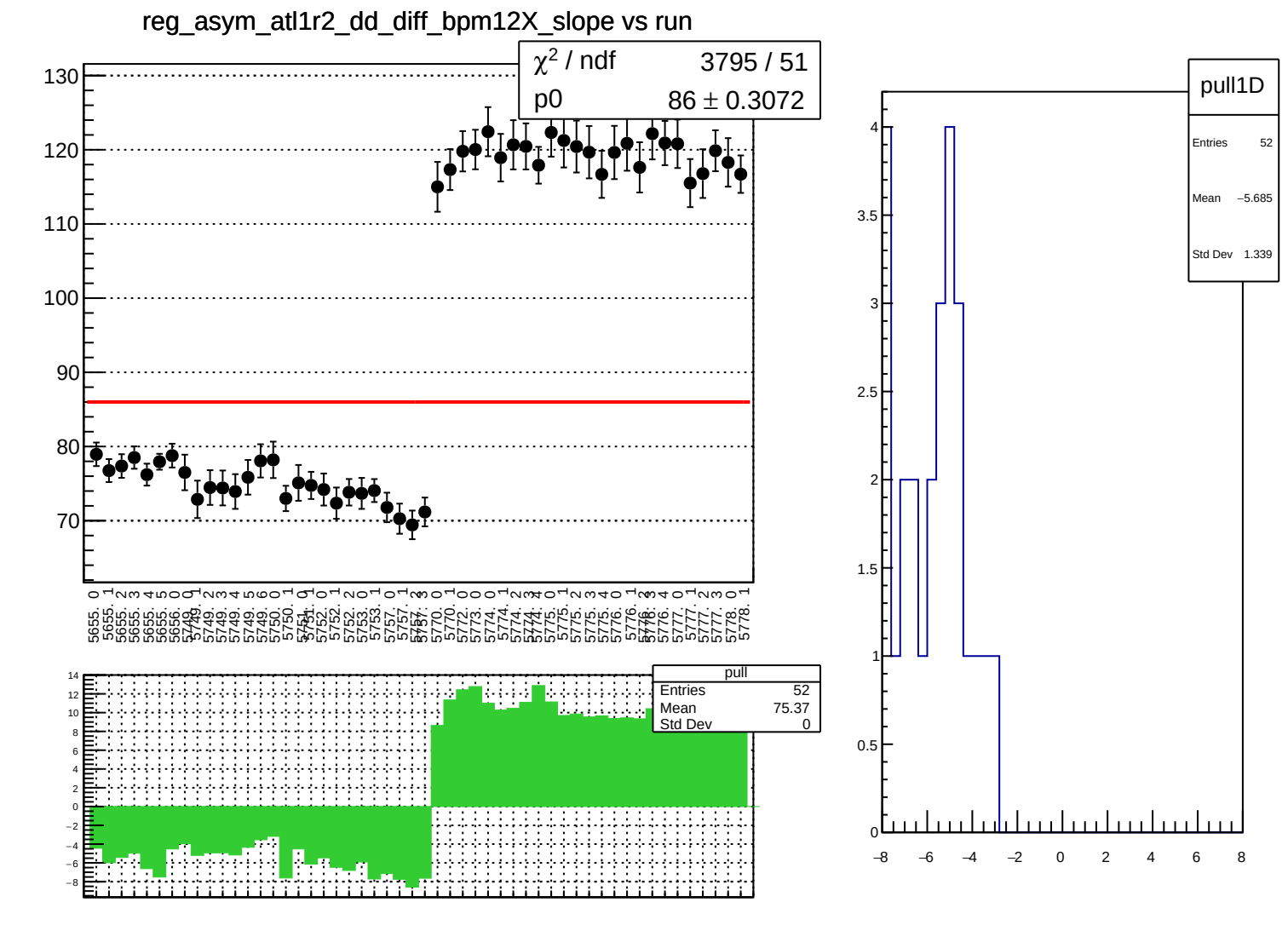

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 37.01 / 51
p0 1.005 ± 5.287
pull
Entries 52
Mean 45.05
Std Dev 20.57

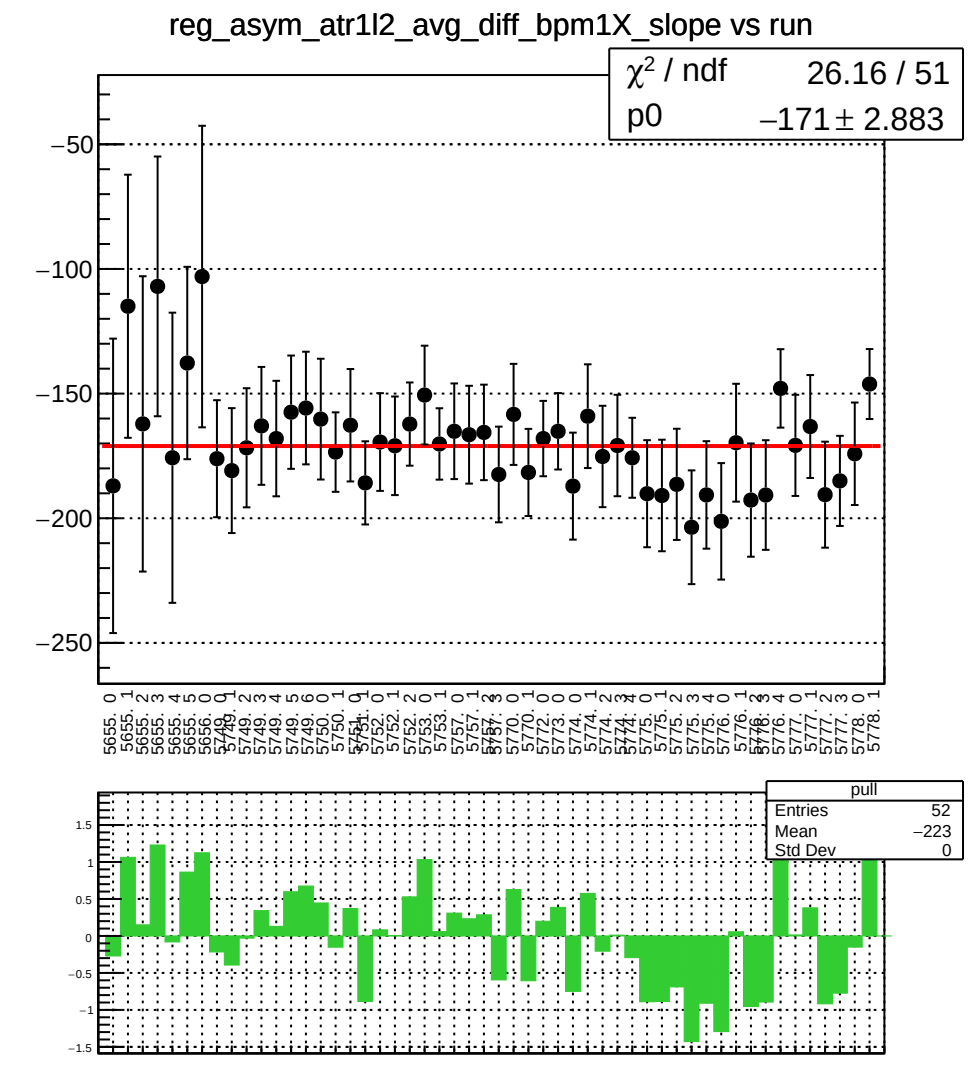

pull1D
Entries 52
Mean −0.1615
Std Dev 0.828

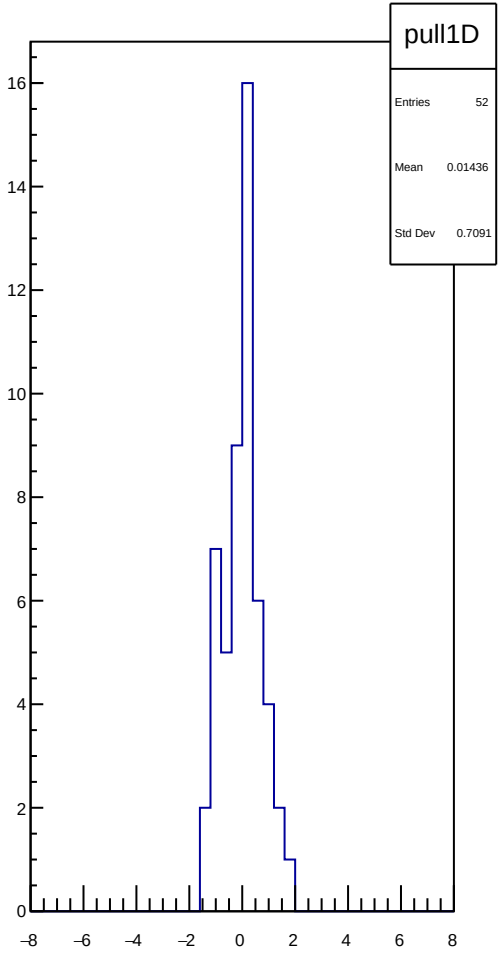

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 185.5 / 51
p0 −243.4 ± 4.43
pull
Entries 52
Mean 149.8
Std Dev 0
pull1D
Entries 52
Mean −0.1896
Std Dev 1.879

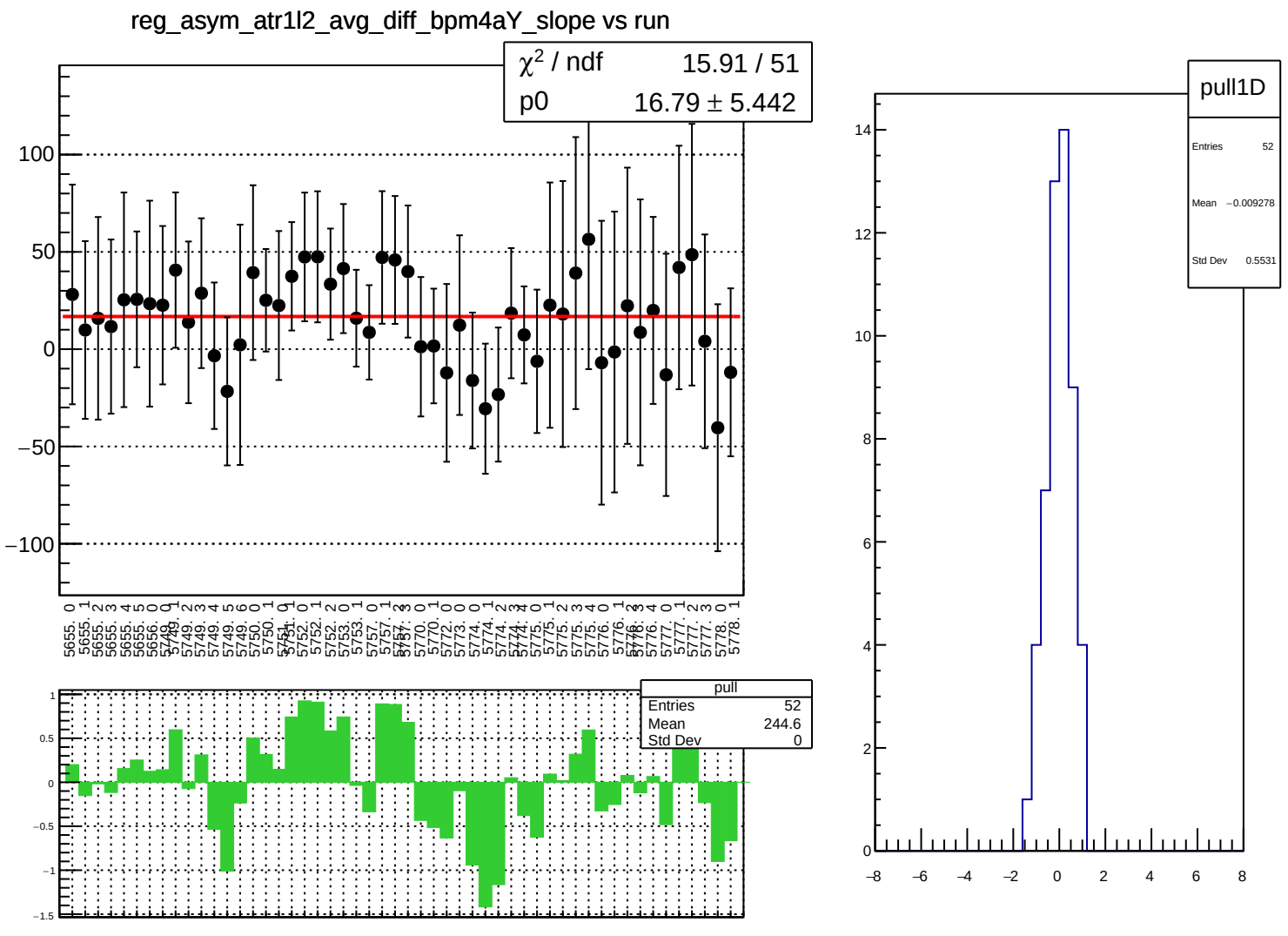

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 34.53 / 51
p0 −60.94 ± 5.734
pull
Entries 52
Mean 22.01
Std Dev 35.43

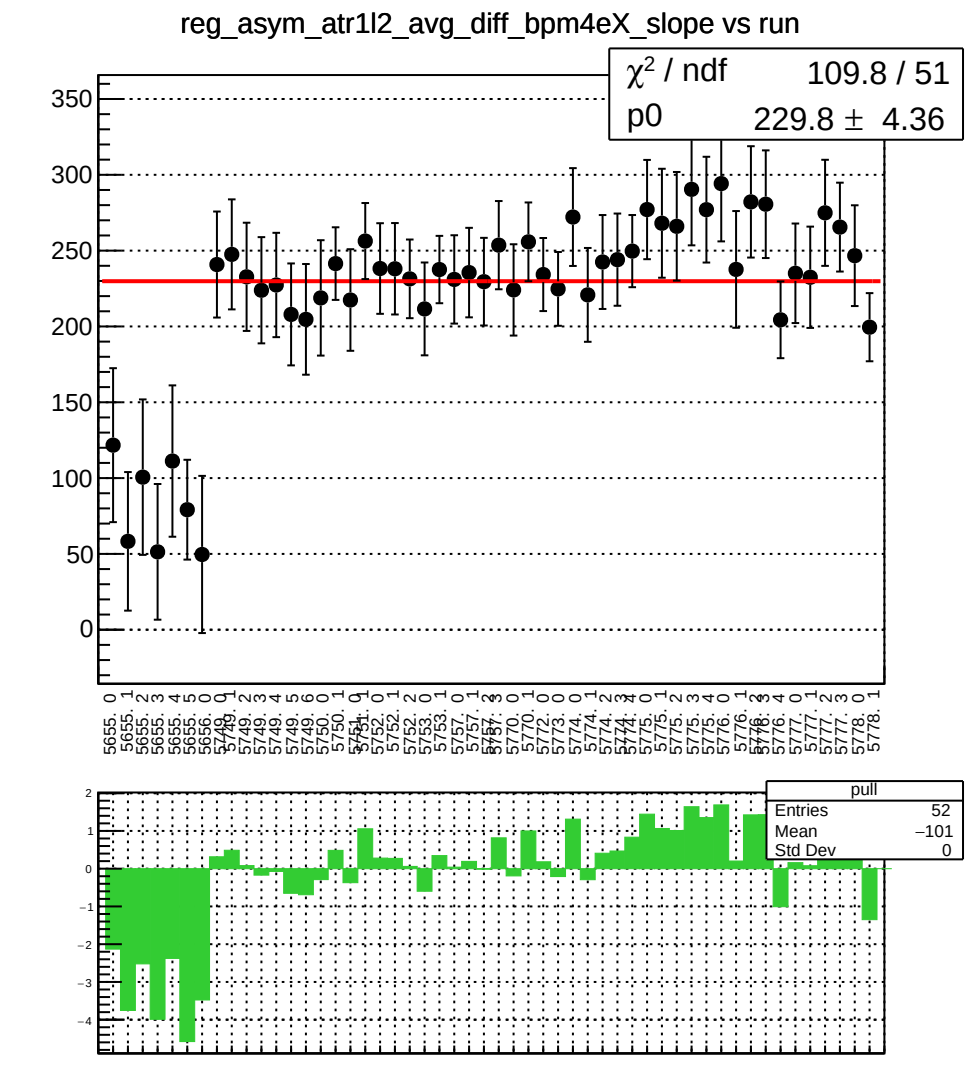

pull1D
Entries 52
Mean 0.08213
Std Dev 0.8107

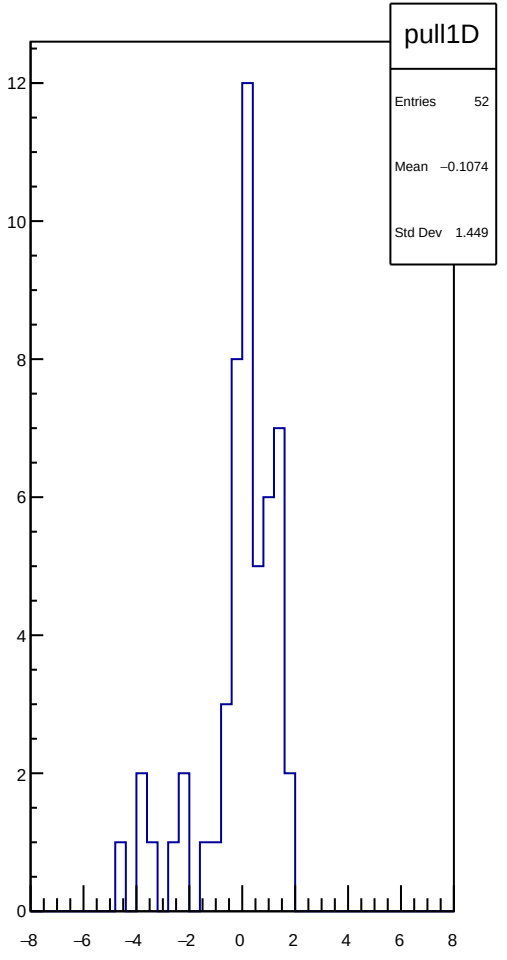

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 3795 / 51
p0 86 ± 0.3072
pull
Entries 52
Mean 75.37
Std Dev 0
pull1D
Entries 52
Mean −5.685
Std Dev 1.339

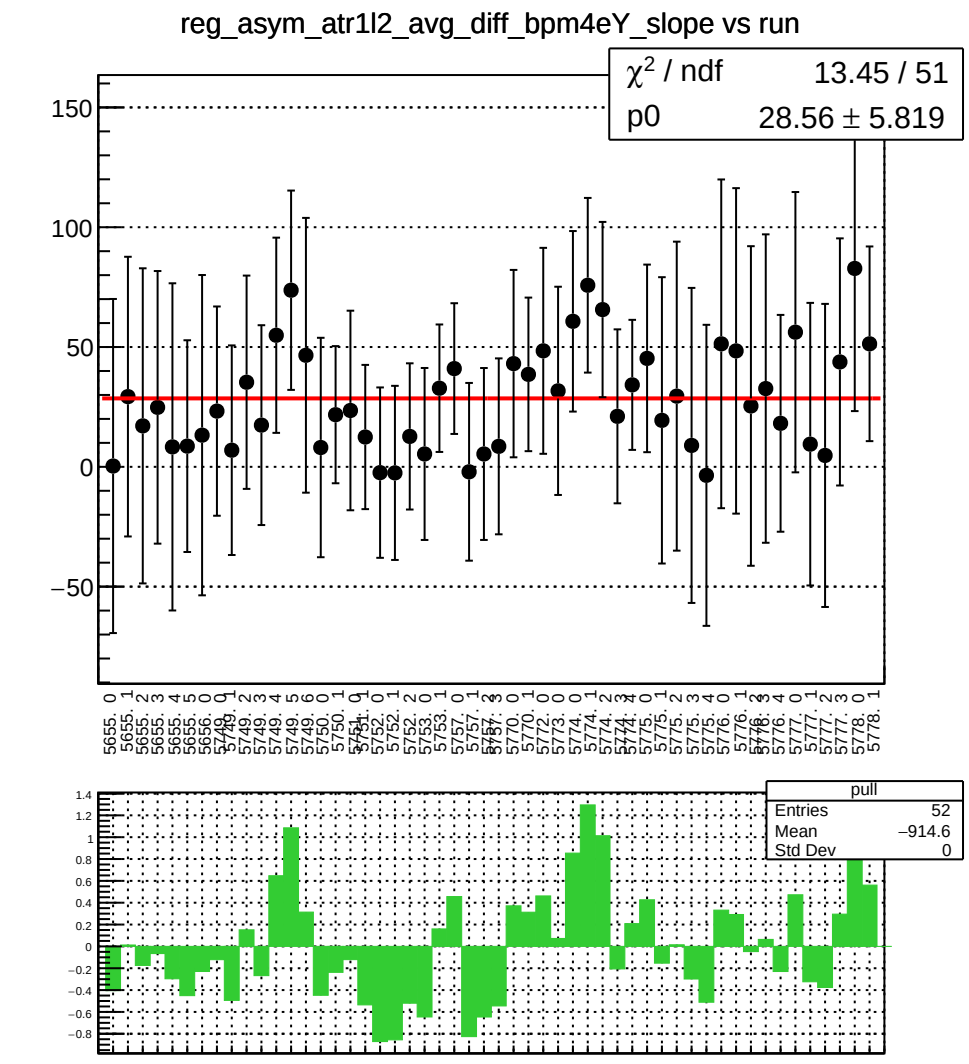

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 26.16 / 51
p0 −171 ± 2.883
pull
Entries 52
Mean −223
Std Dev 0

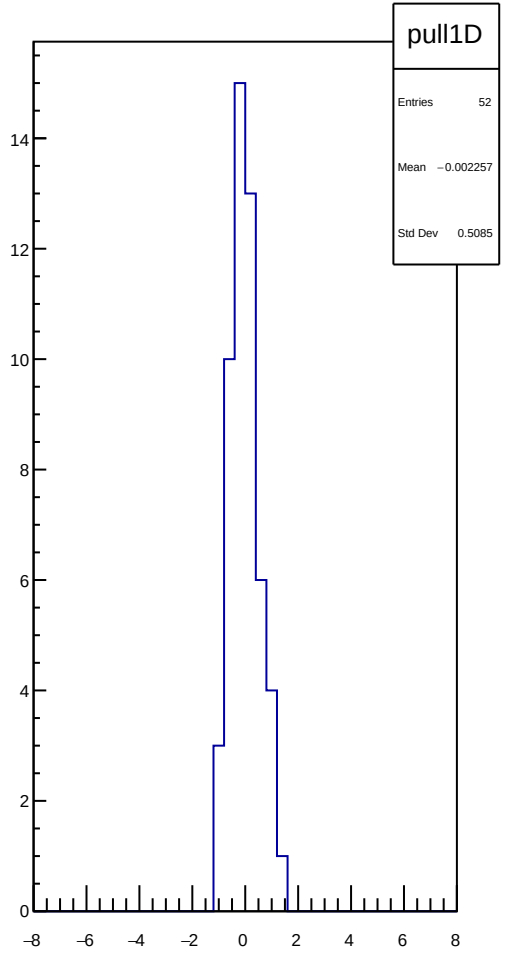

pull1D
Entries 52
Mean 0.01436
Std Dev 0.7091

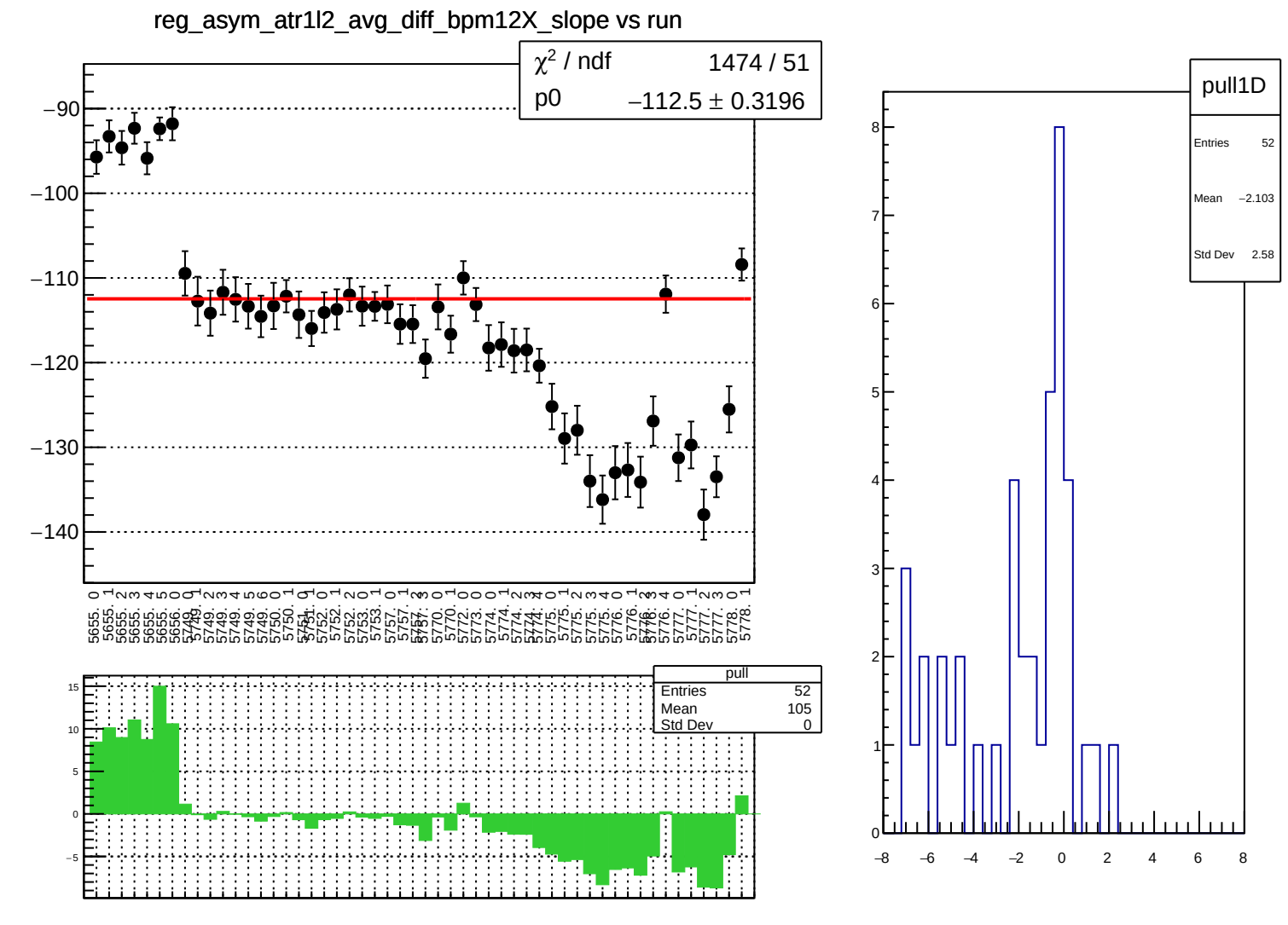

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.91 / 51
p0 16.79 ± 5.442
pull
Entries 52
Mean 244.6
Std Dev 0
pull1D
Entries 52
Mean −0.009278
Std Dev 0.5531

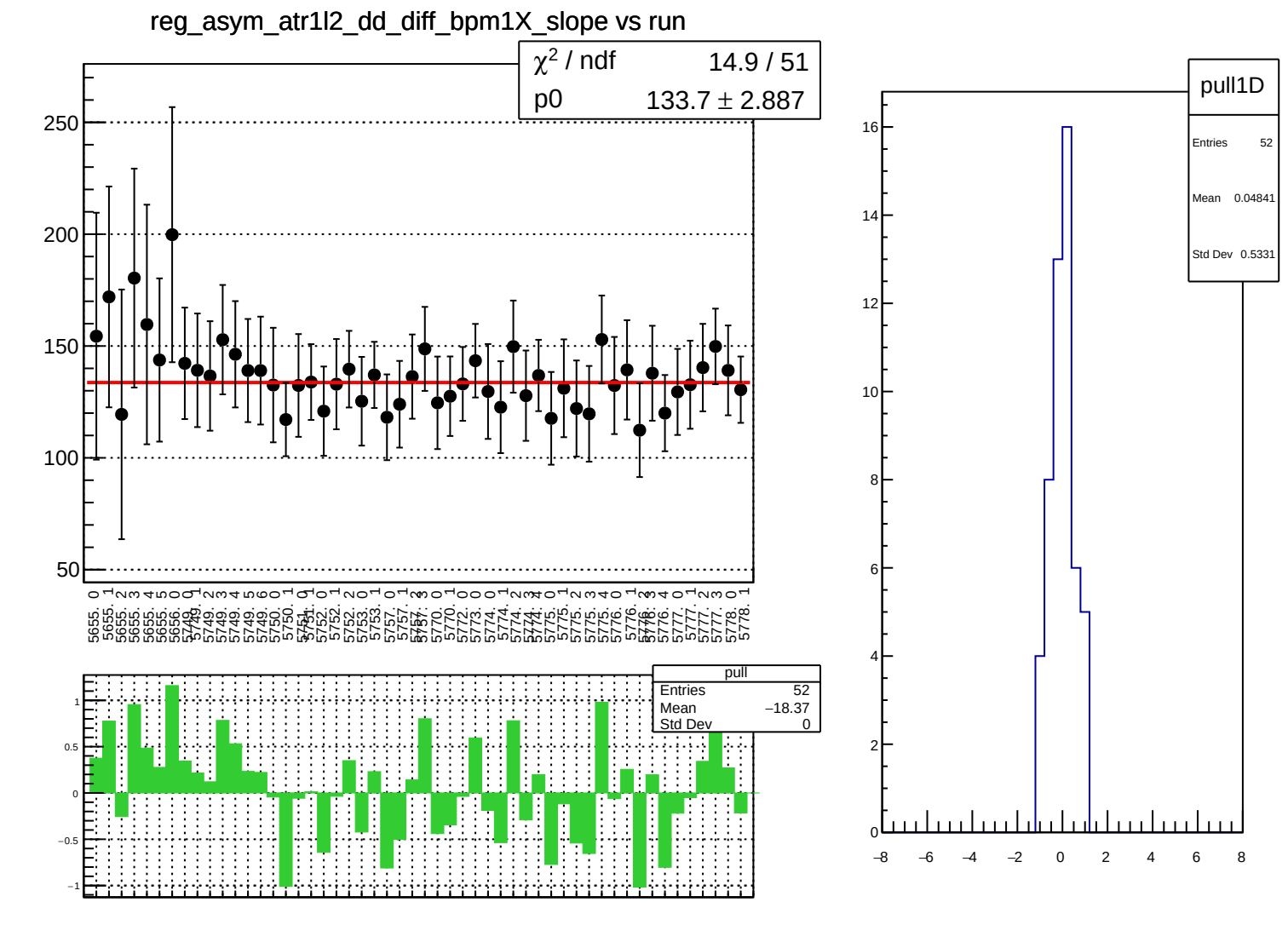

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 109.8 / 51
p0 229.8 ± 4.36
pull
Entries 52
Mean −101
Std Dev 0

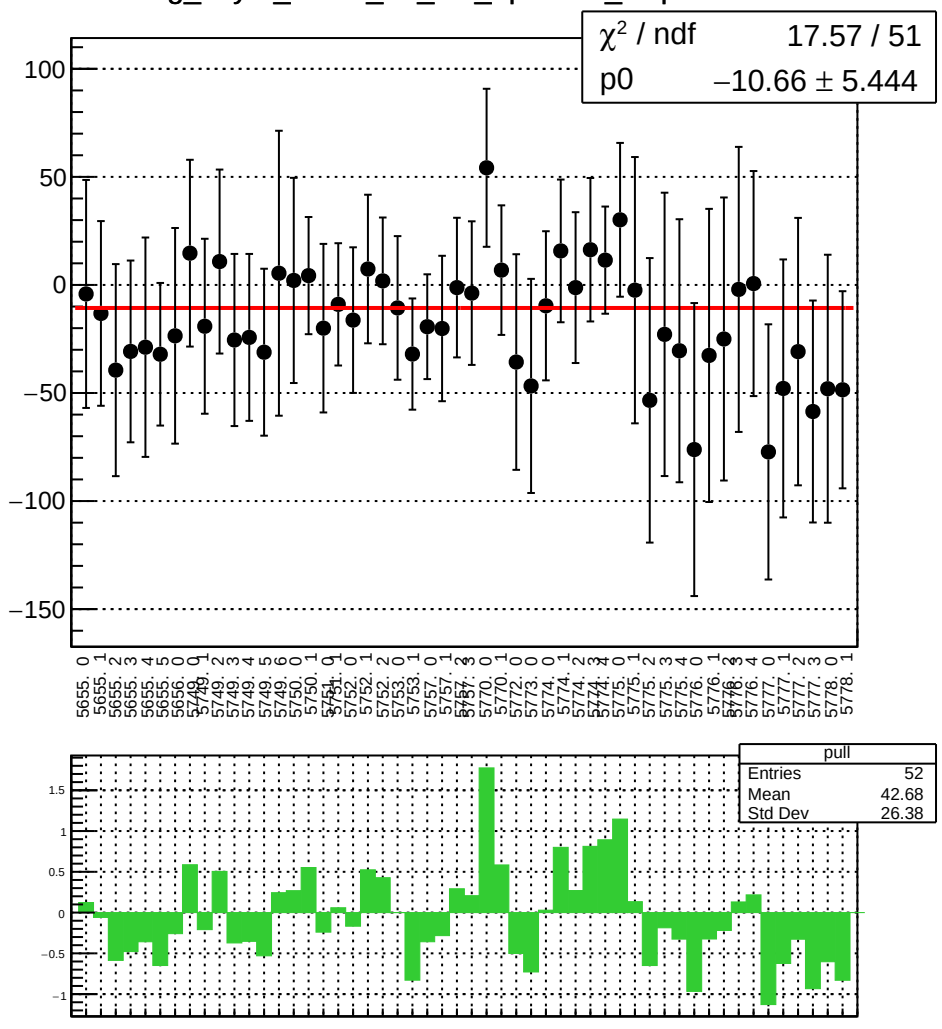

pull1D
Entries 52
Mean −0.1074
Std Dev 1.449

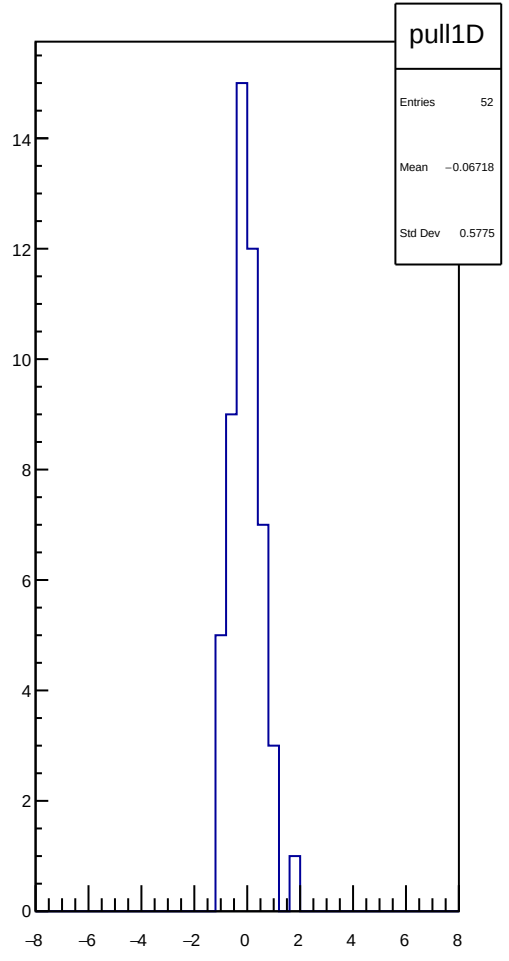

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.45 / 51
p0 28.56 ± 5.819
150
100
50
0
−50
pull
Entries 52
Mean −914.6
Std Dev 0
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

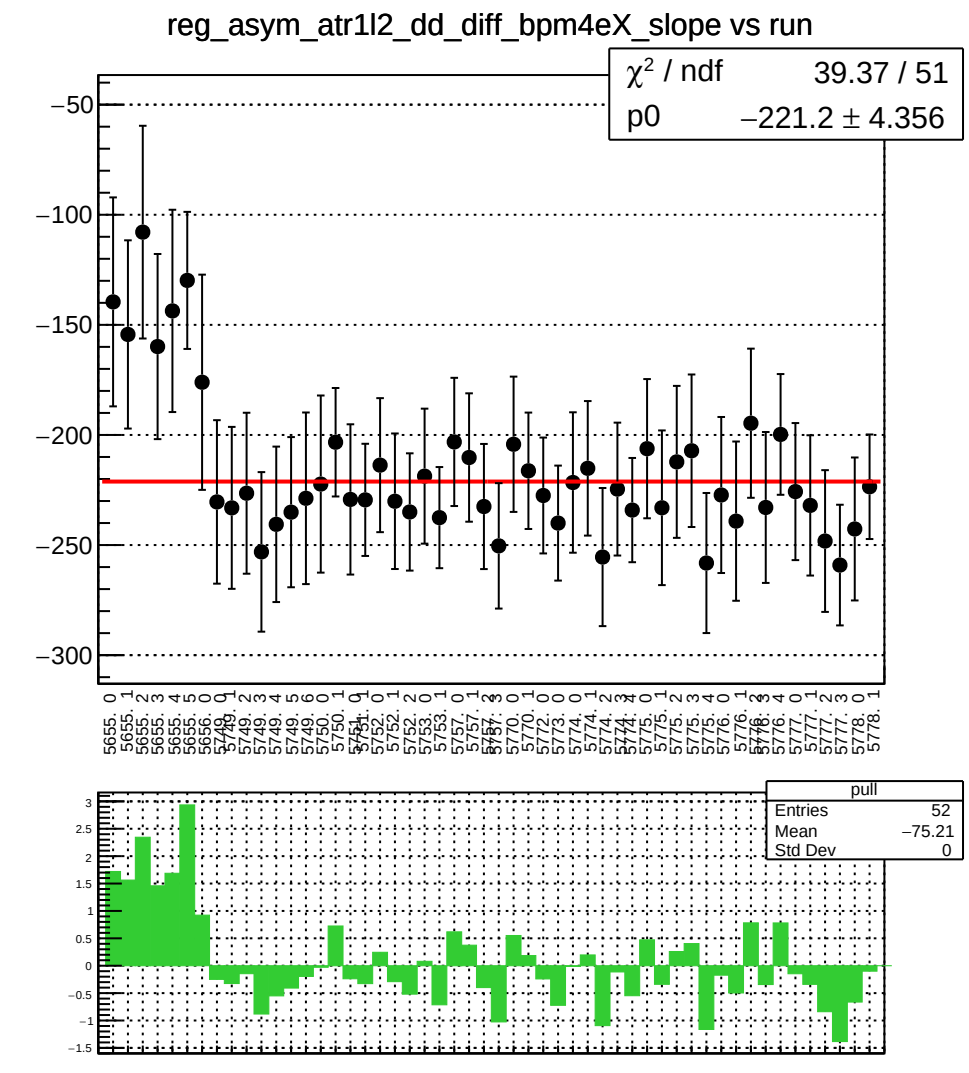

pull1D
Entries 52
Mean −0.002257
Std Dev 0.5085
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

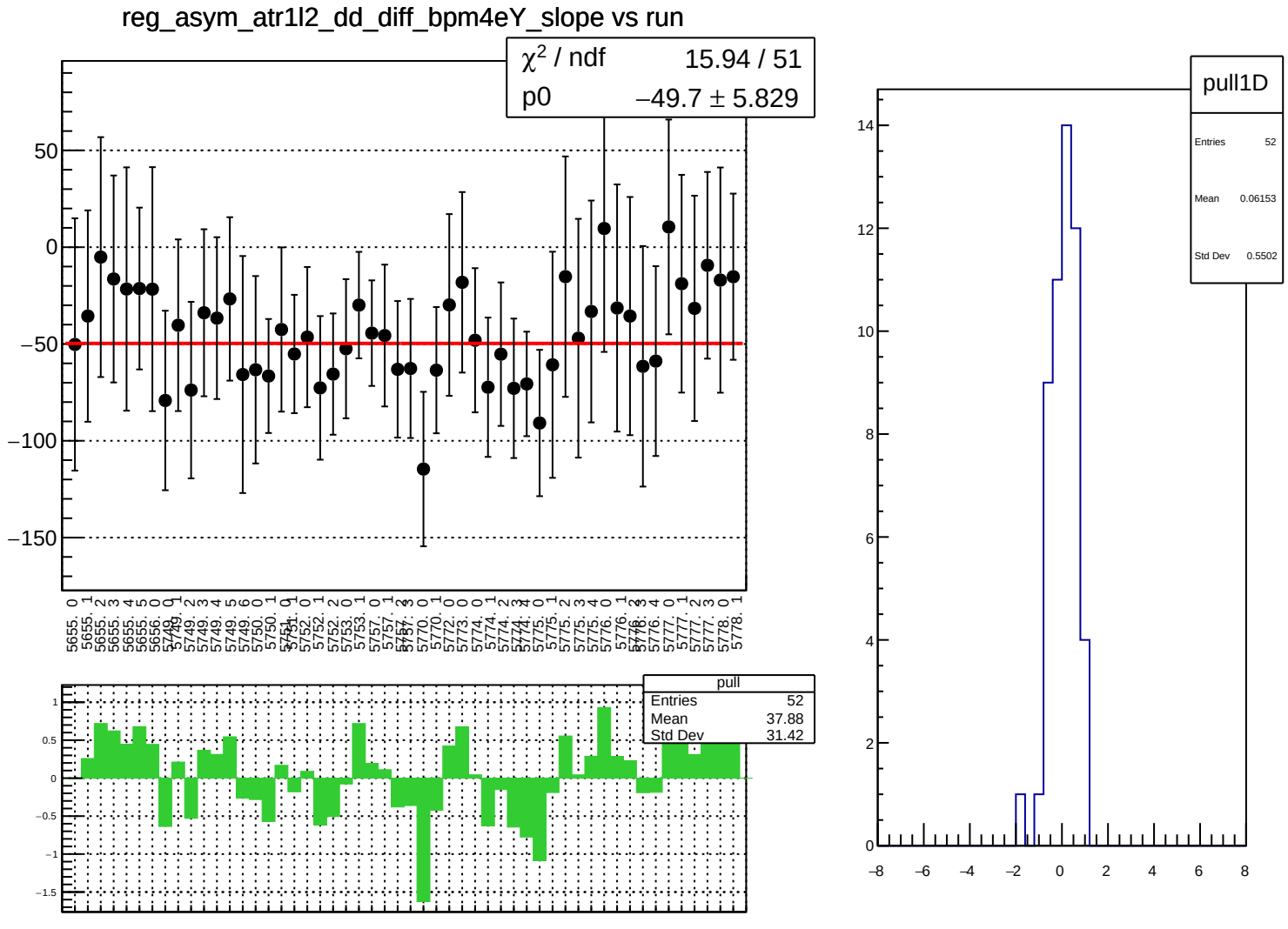

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 1474 / 51
p0 −112.5 ± 0.3196
pull
Entries 52
Mean 105
Std Dev 0
pull1D
Entries 52
Mean −2.103
Std Dev 2.58

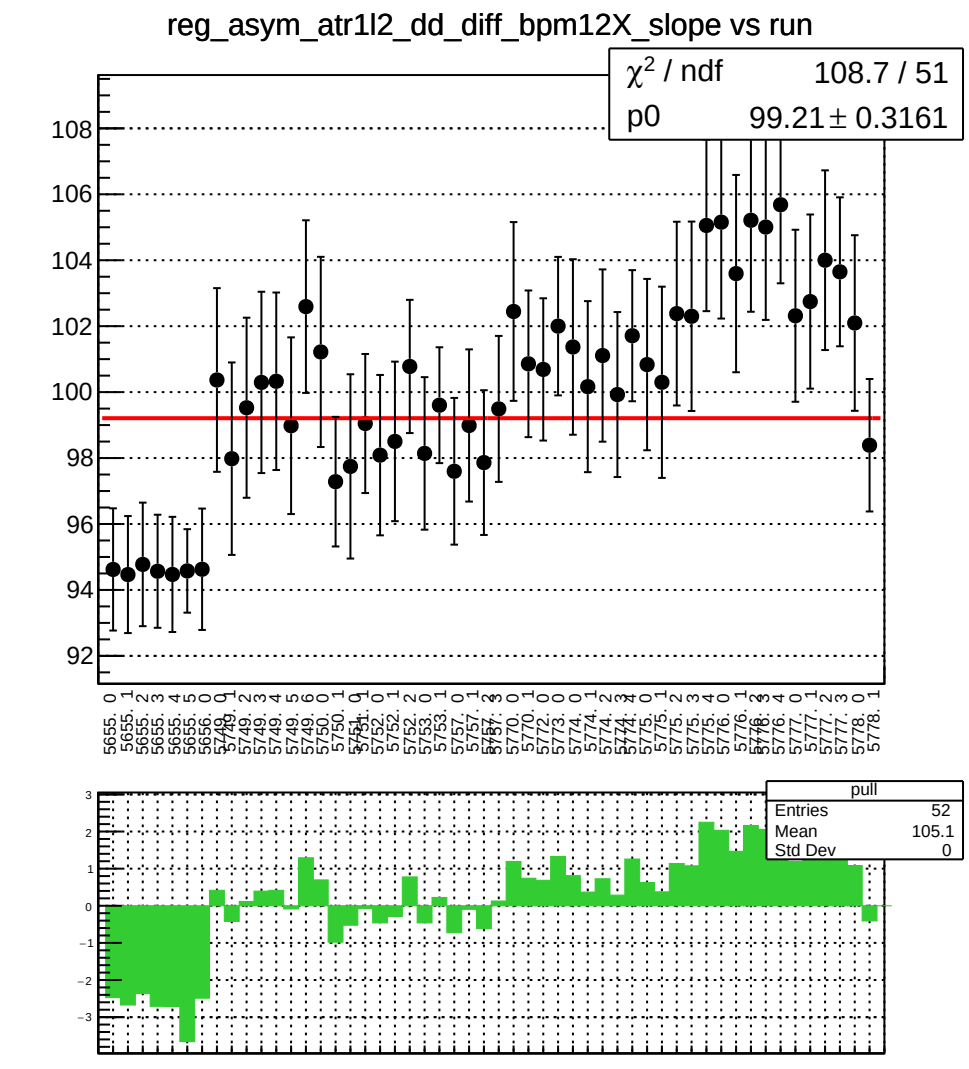

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 14.9 / 51
p0 133.7 ± 2.887
250
200
150
100
50
pull
Entries 52
Mean −18.37
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 52
Mean 0.04841
Std Dev 0.5331
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

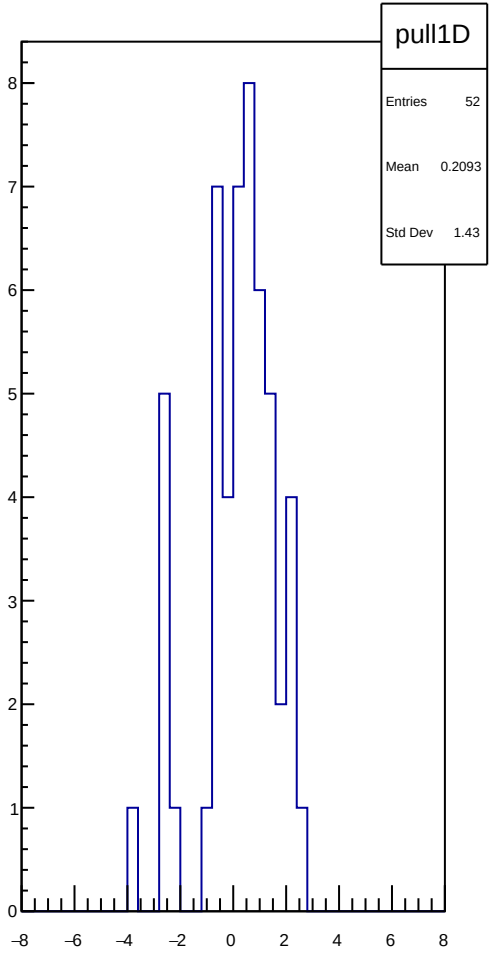

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 17.57 / 51
p0 −10.66 ± 5.444
pull
Entries 52
Mean 42.68
Std Dev 26.38

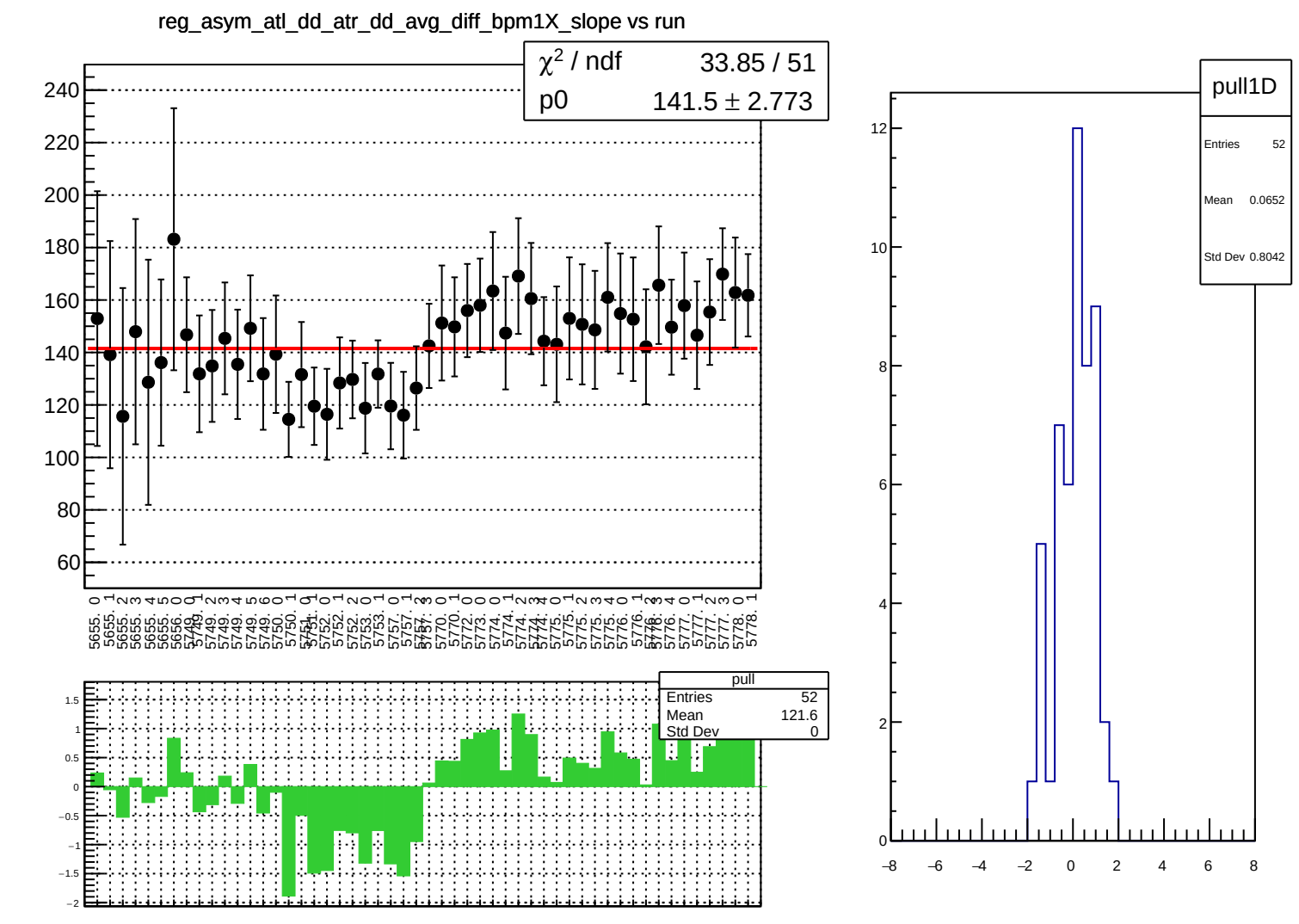

pull1D
Entries 52
Mean −0.06718
Std Dev 0.5775

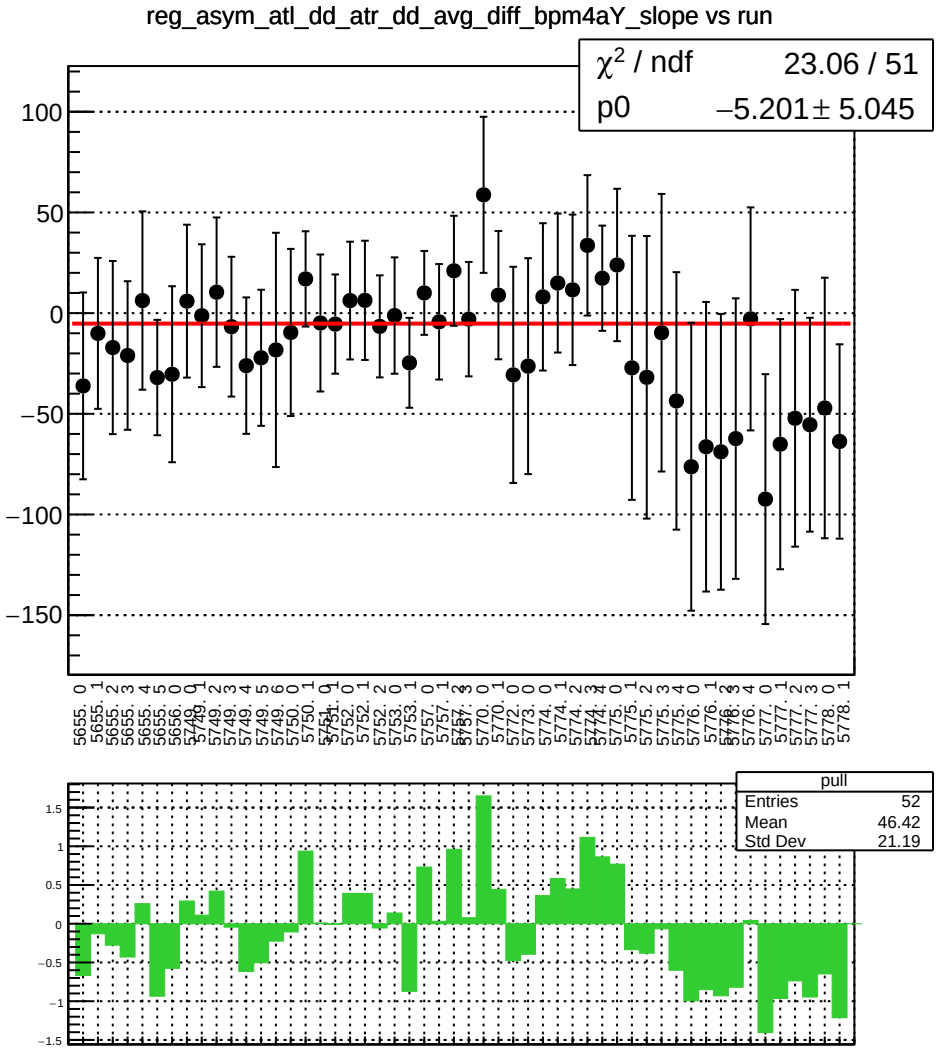

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 39.37 / 51
p0 −221.2 ± 4.356
pull
Entries 52
Mean −75.21
Std Dev 0
pull1D
Entries 52
Mean 0.06341
Std Dev 0.8678

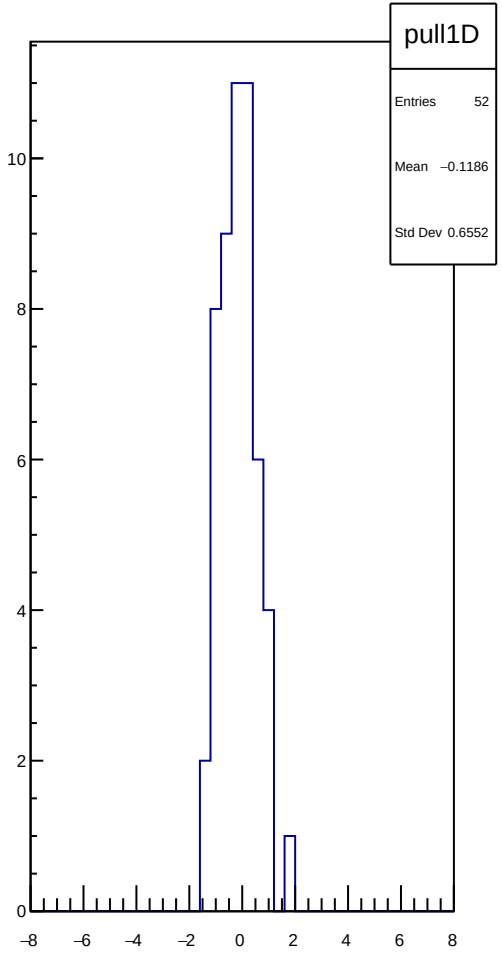

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.94 / 51
p0 −49.7 ± 5.829
pull
Entries 52
Mean 37.88
Std Dev 31.42
pull1D
Entries 52
Mean 0.06153
Std Dev 0.5502

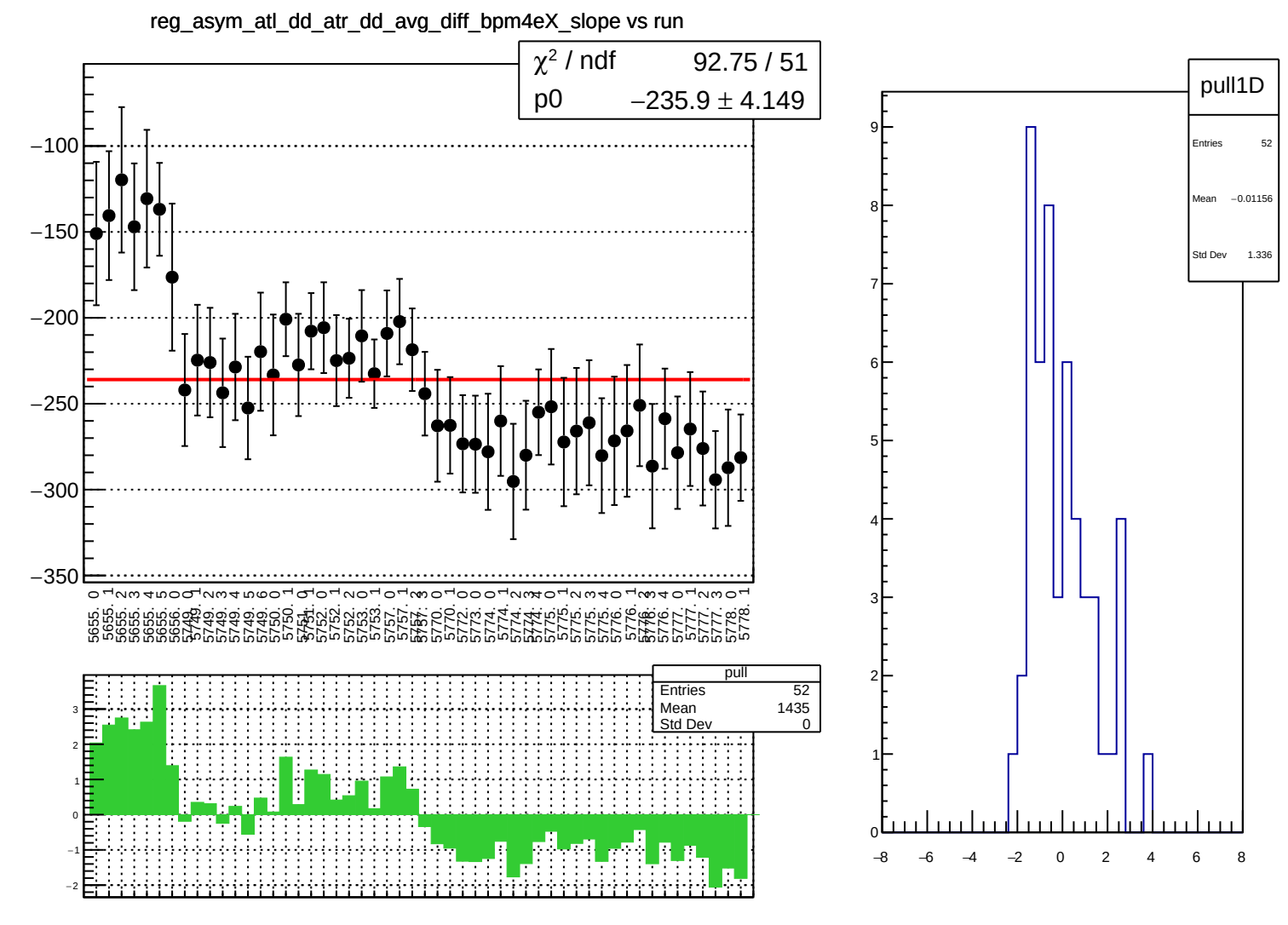

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 108.7 / 51
p0 99.21 ± 0.3161
pull
Entries 52
Mean 105.1
Std Dev 0

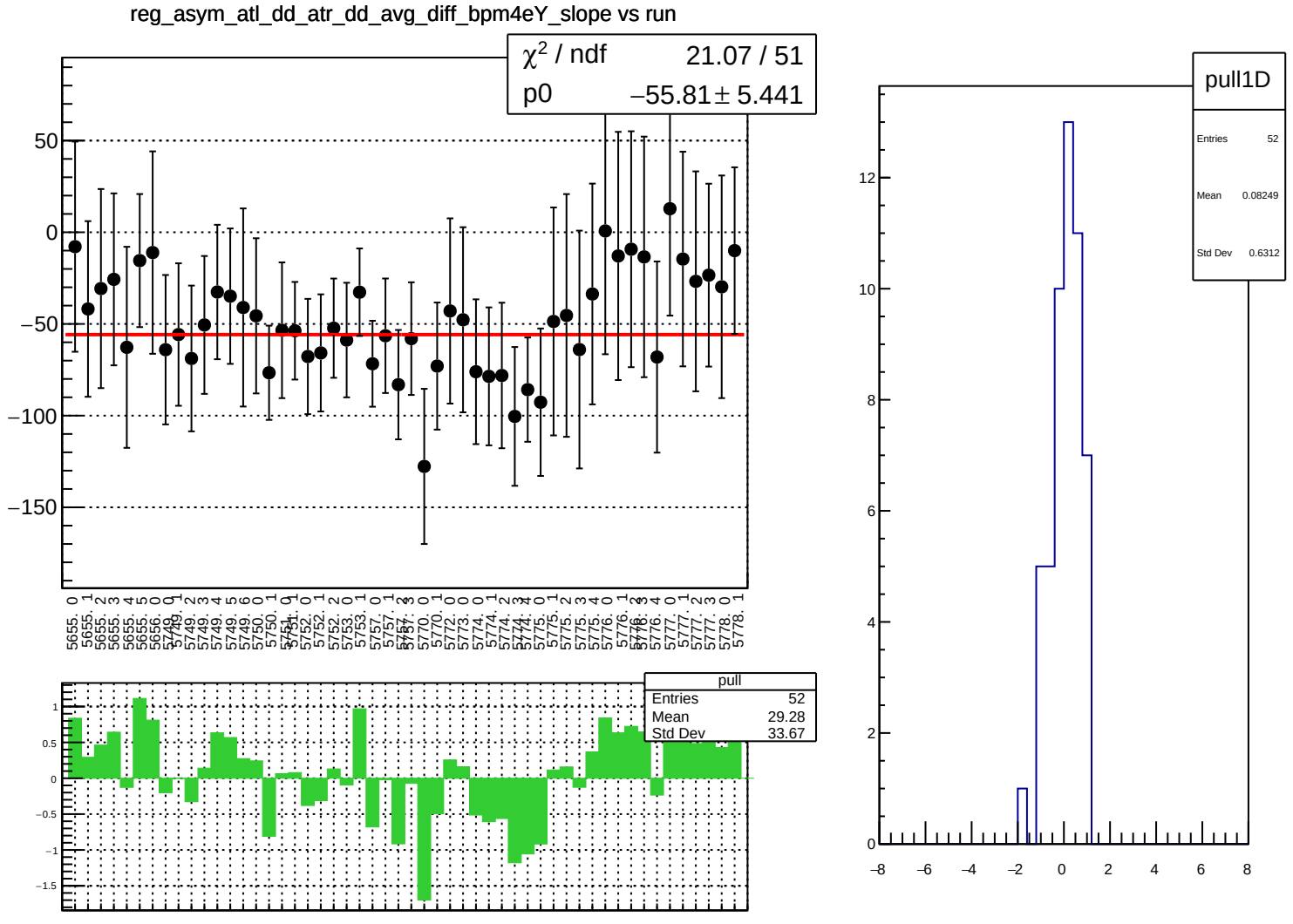

pull1D
Entries 52
Mean 0.2093
Std Dev 1.43

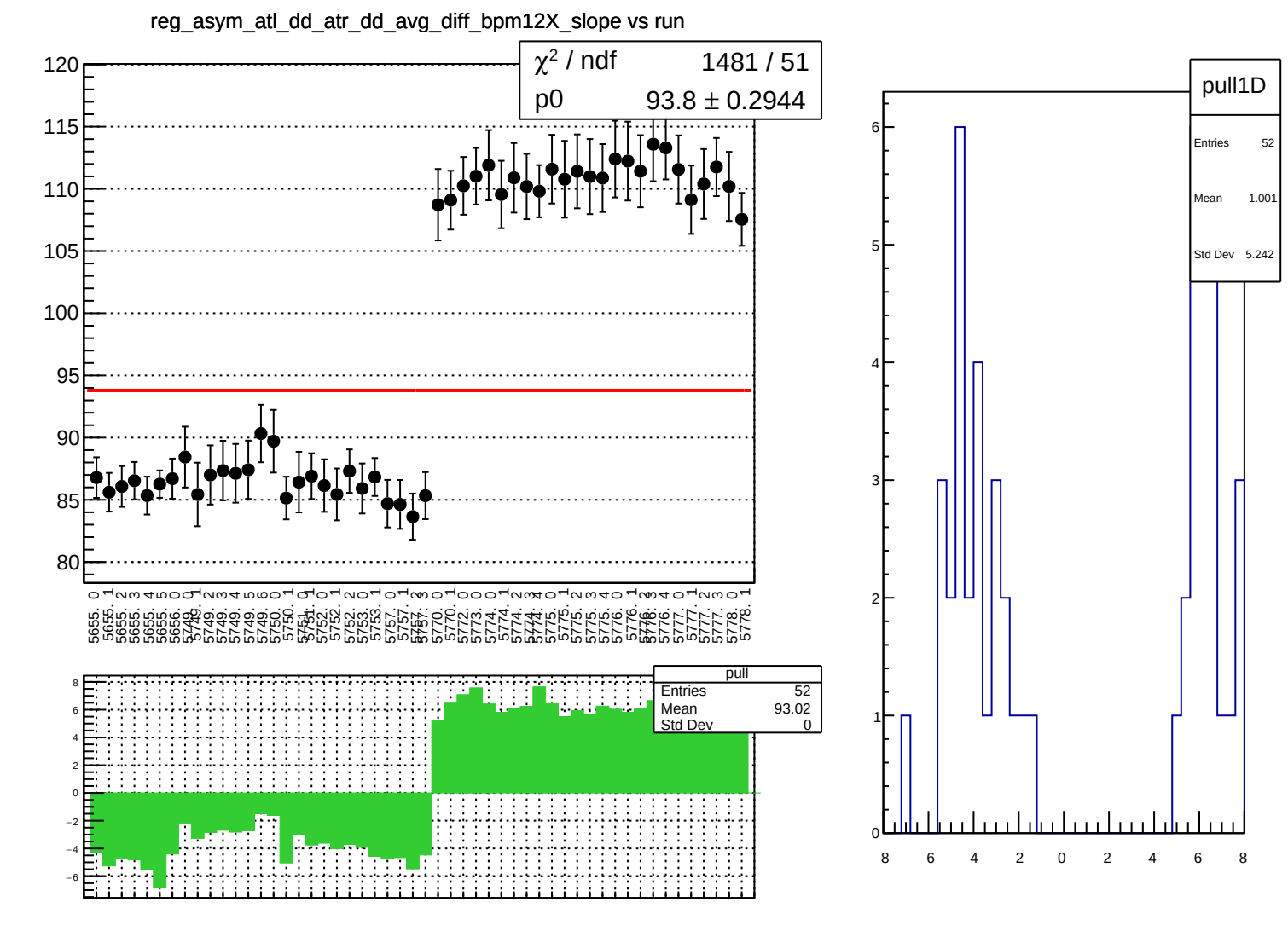

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 33.85 / 51
p0 141.5 ± 2.773
pull
Entries 52
Mean 121.6
Std Dev 0
pull1D
Entries 52
Mean 0.0652
Std Dev 0.8042

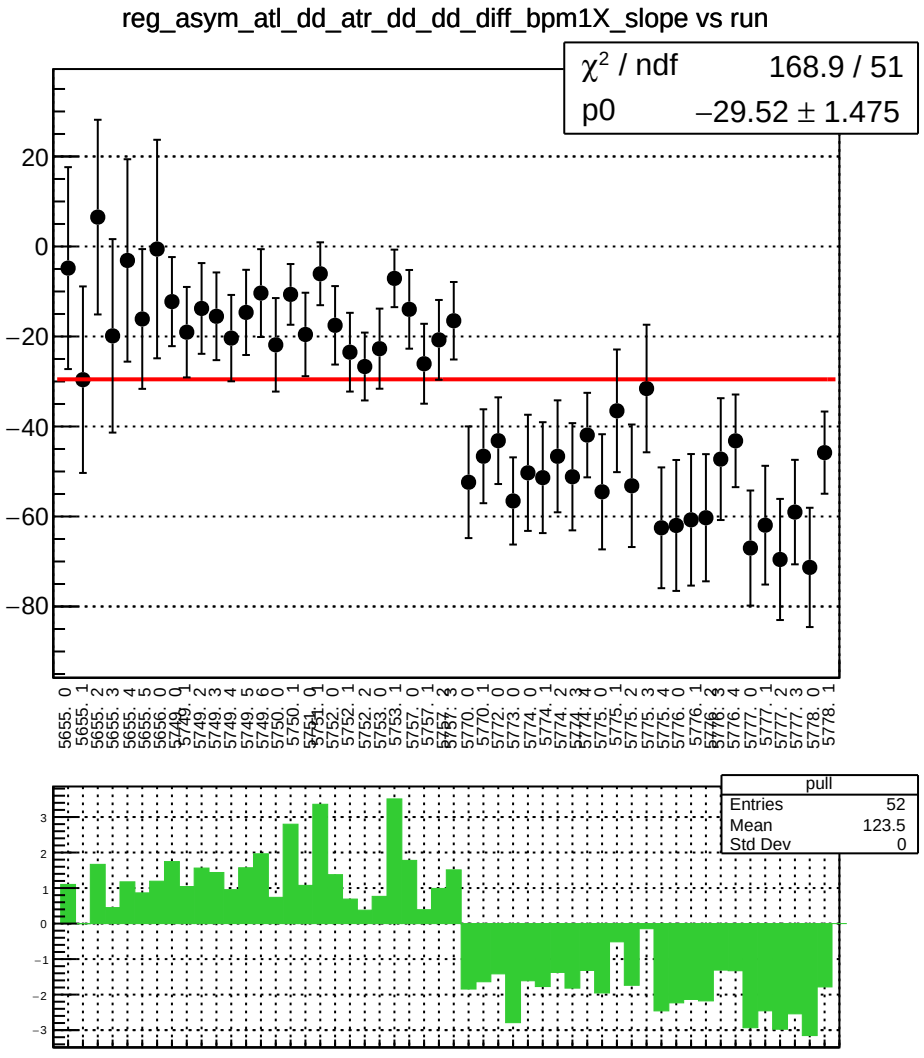

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 23.06 / 51
p0 −5.201 ± 5.045
pull
Entries 52
Mean 46.42
Std Dev 21.19

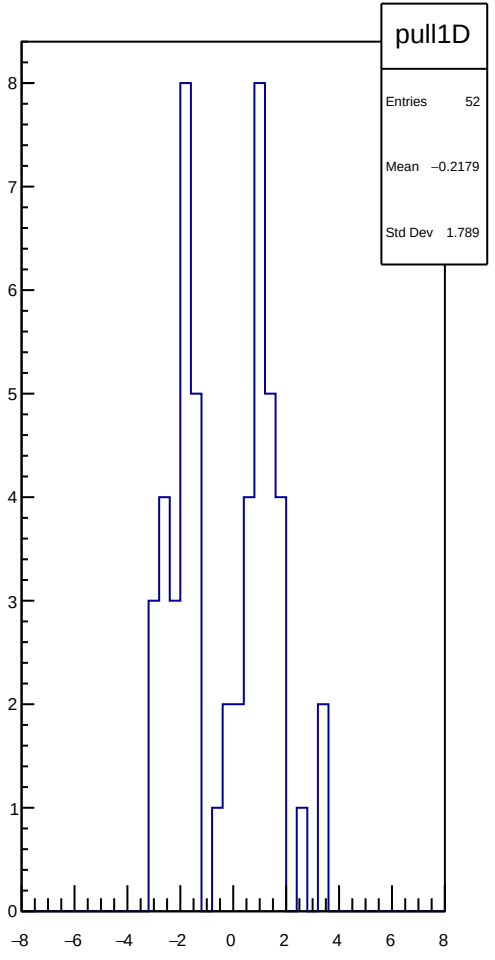

pull1D
Entries 52
Mean −0.1186
Std Dev 0.6552

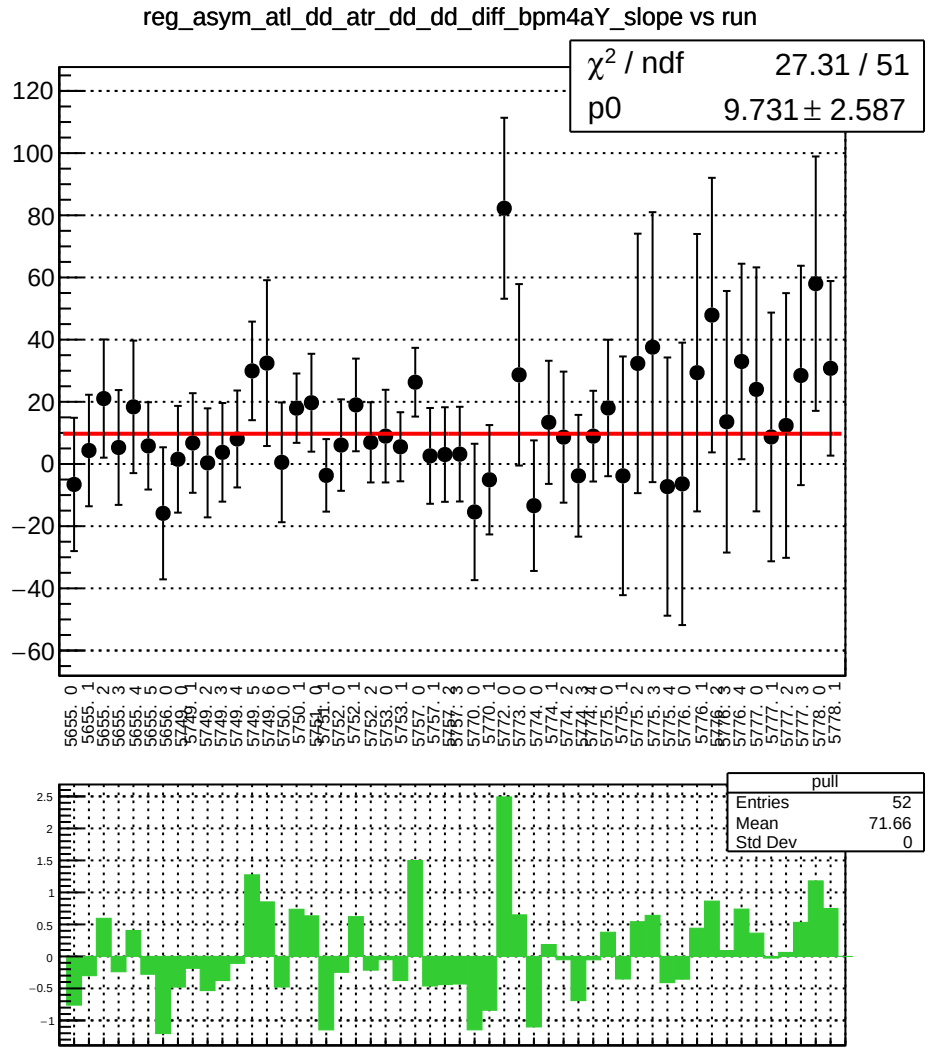

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 92.75 / 51
p0 −235.9 ± 4.149
pull
Entries 52
Mean 1435
Std Dev 0
pull1D
Entries 52
Mean −0.01156
Std Dev 1.336

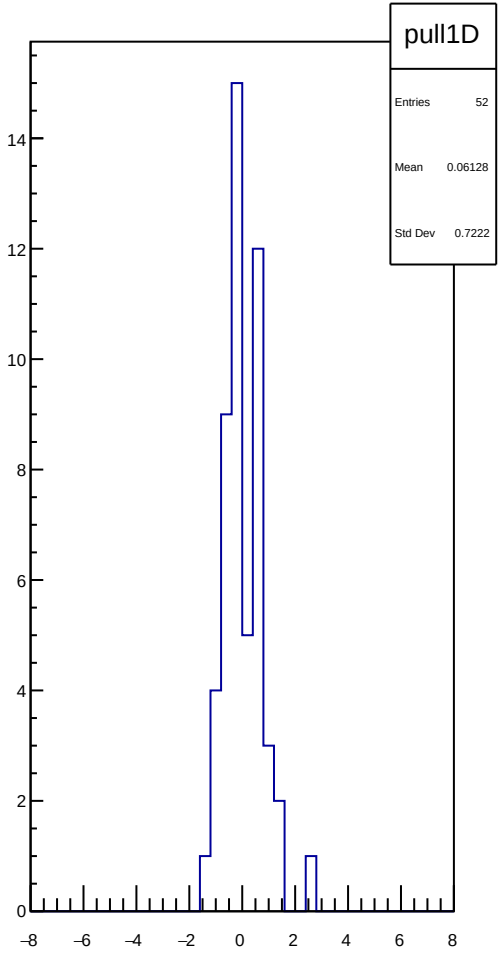

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 21.07 / 51
p0 −55.81 ± 5.441
pull
Entries 52
Mean 29.28
Std Dev 33.67
pull1D
Entries 52
Mean 0.08249
Std Dev 0.6312

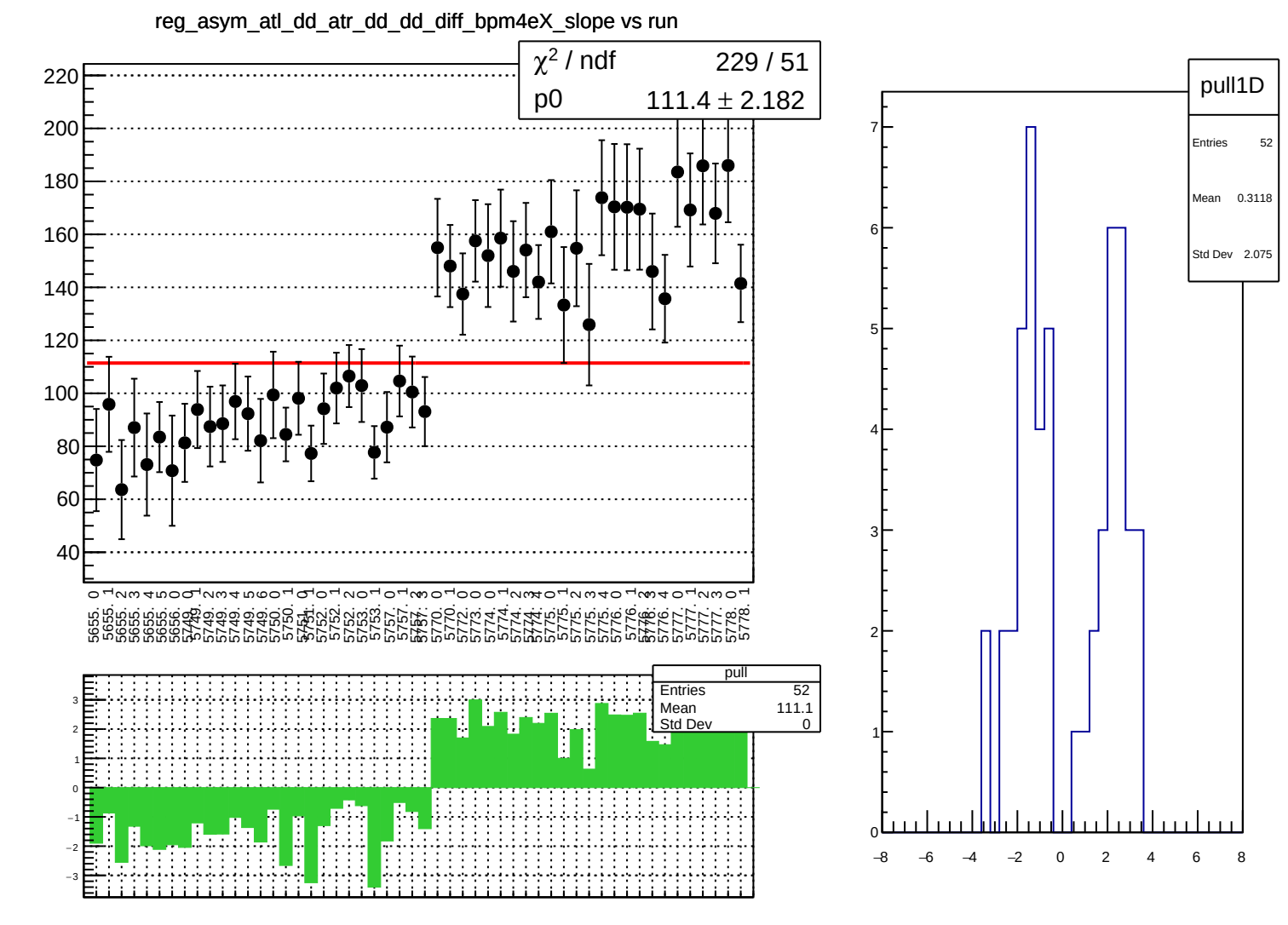

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 1481 / 51
p0 93.8 ± 0.2944
pull
Entries 52
Mean 93.02
Std Dev 0
pull1D
Entries 52
Mean 1.001
Std Dev 5.242

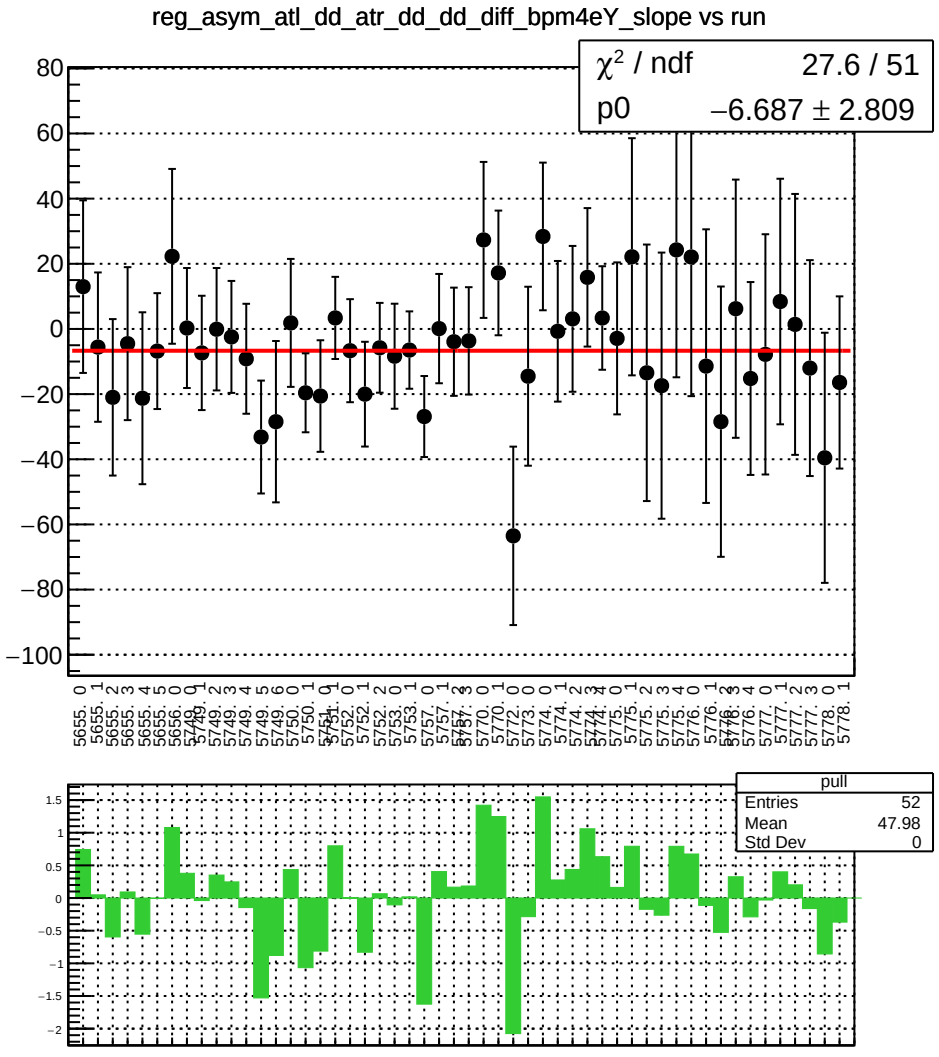

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 168.9 / 51
p0 −29.52 ± 1.475
pull
Entries 52
Mean 123.5
Std Dev 0

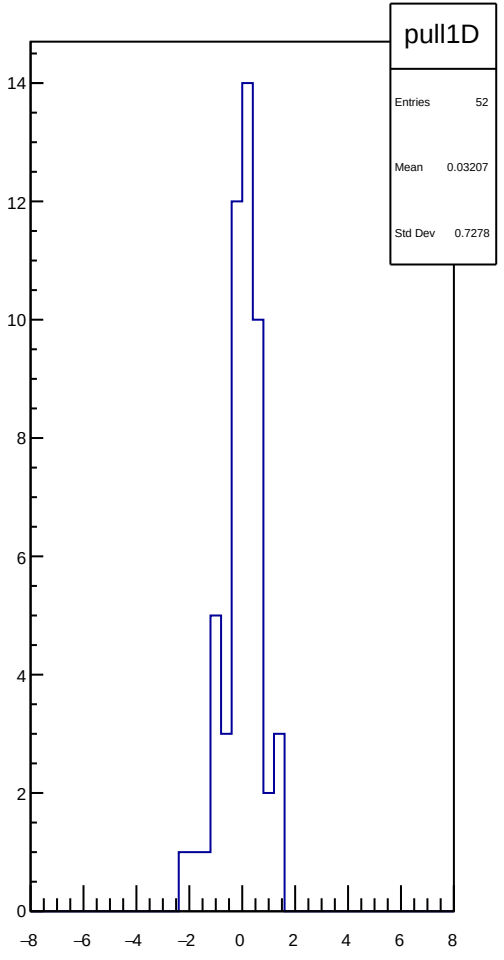

pull1D
Entries 52
Mean −0.2179
Std Dev 1.789

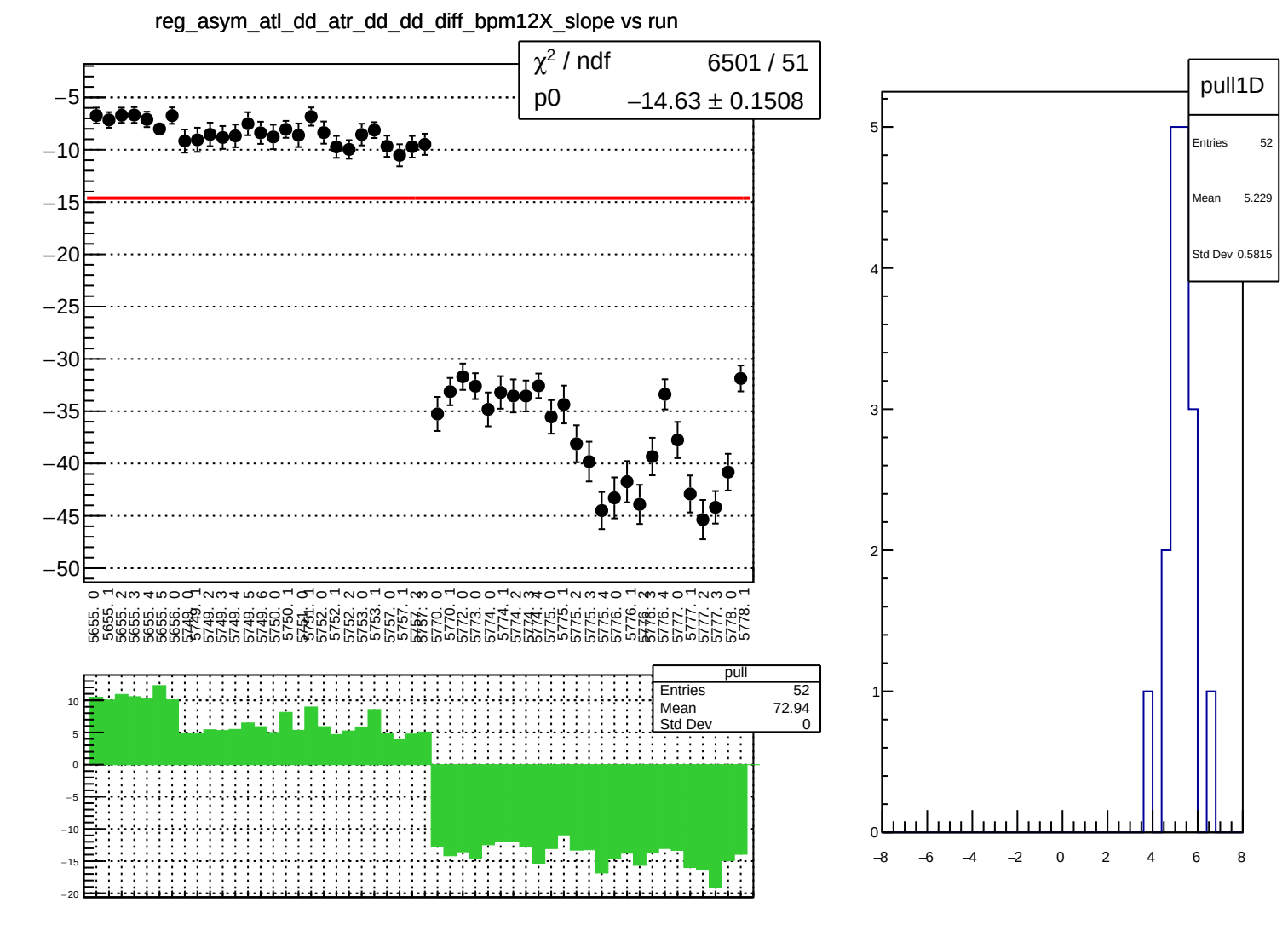

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 27.31 / 51
p0 9.731 ± 2.587
pull
Entries 52
Mean 71.66
Std Dev 0

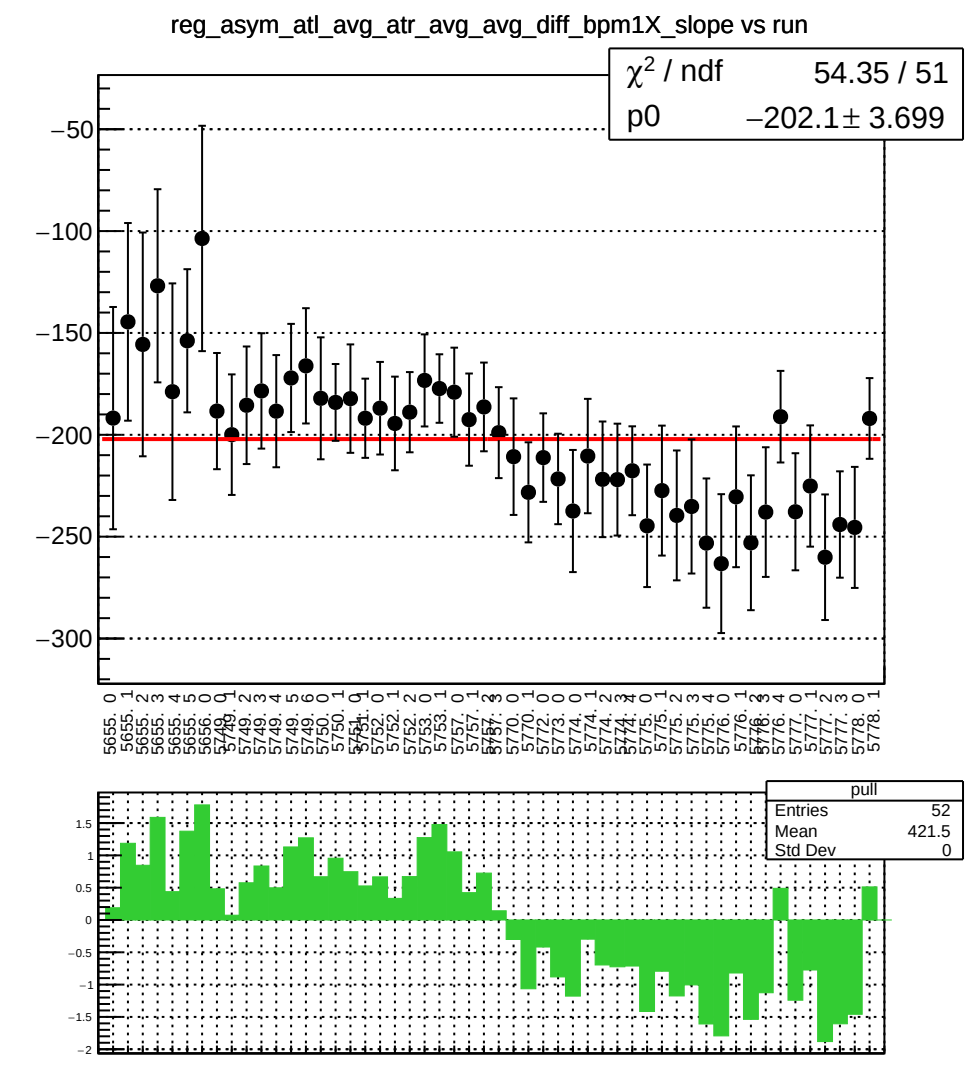

pull1D
Entries 52
Mean 0.06128
Std Dev 0.7222

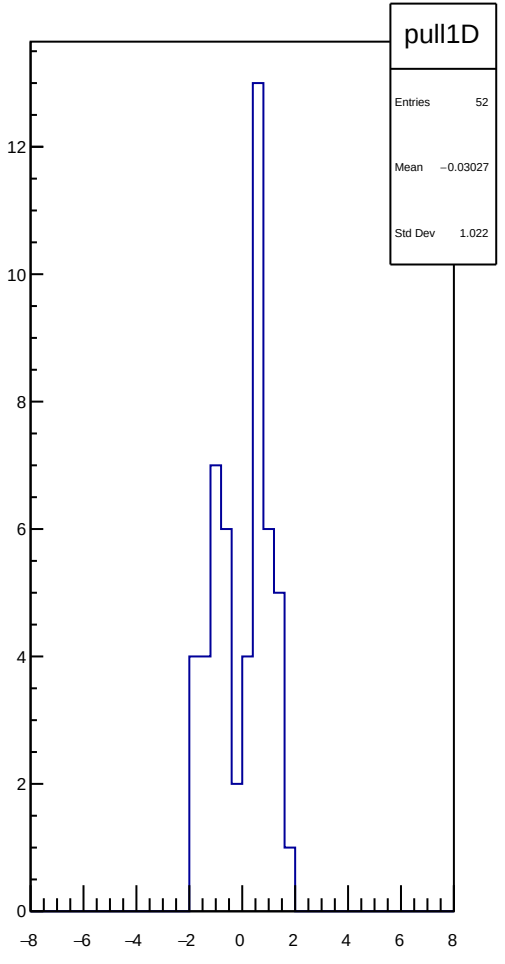

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 229 / 51
p0 111.4 ± 2.182
pull
Entries 52
Mean 111.1
Std Dev 0
pull1D
Entries 52
Mean 0.3118
Std Dev 2.075

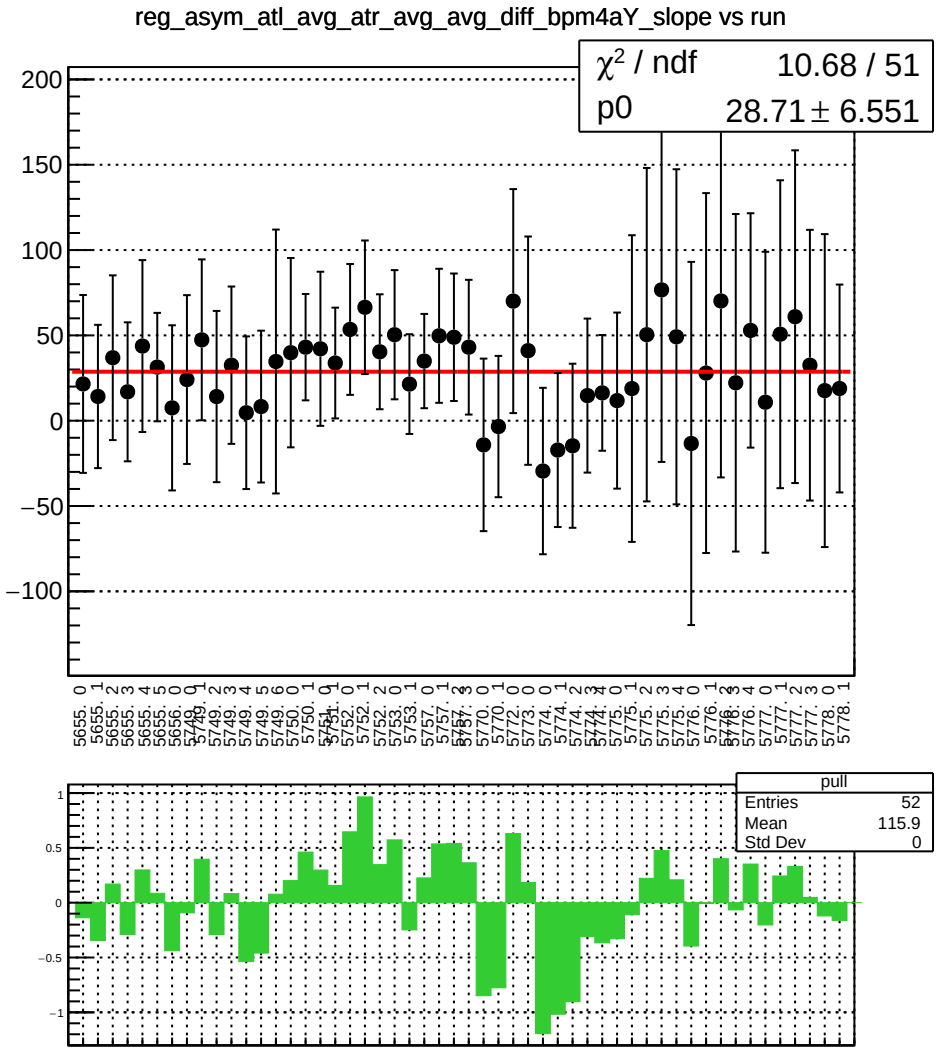

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 27.6 / 51
p0 −6.687 ± 2.809
pull
Entries 52
Mean 47.98
Std Dev 0

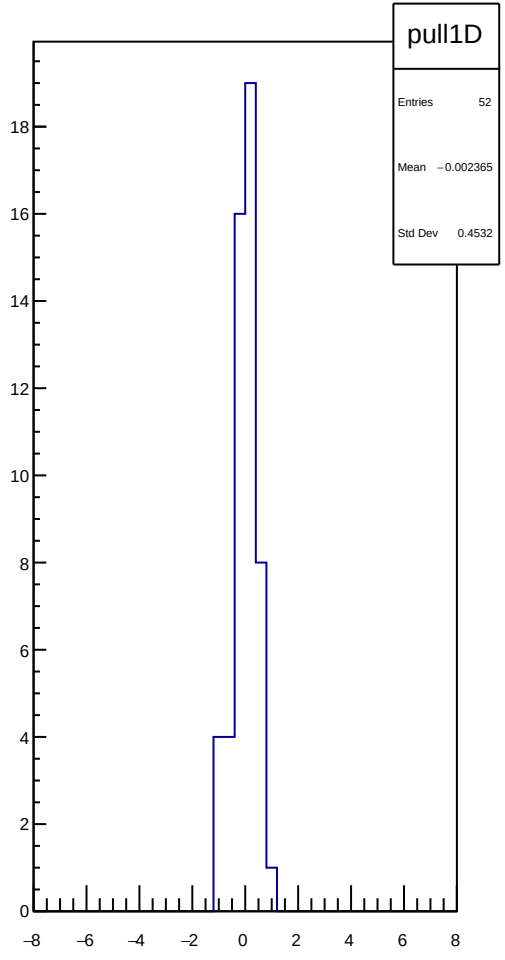

pull1D
Entries 52
Mean 0.03207
Std Dev 0.7278

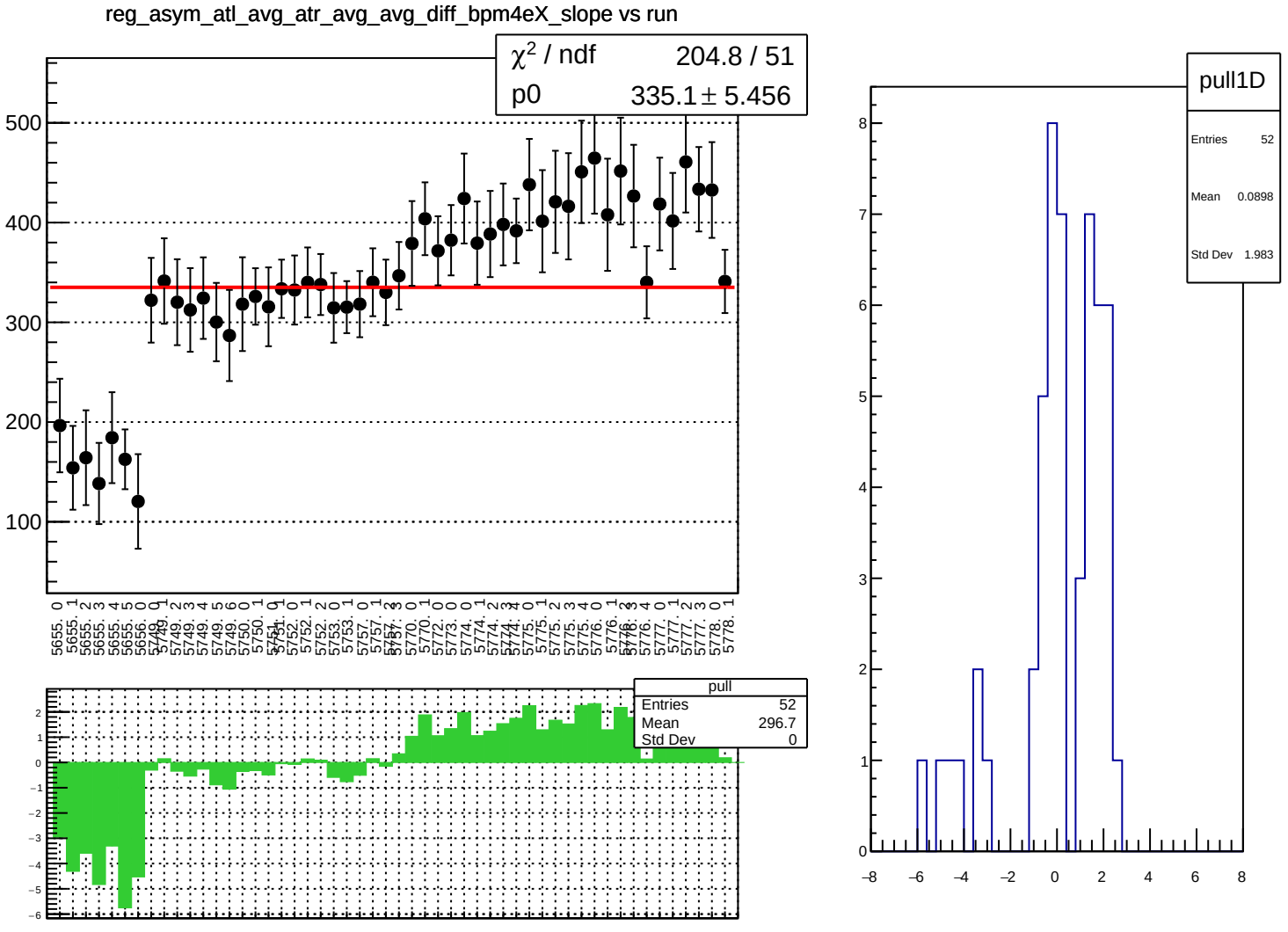

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 6501 / 51
p0 −14.63 ± 0.1508
pull
Entries 52
Mean 72.94
Std Dev 0
pull1D
Entries 52
Mean 5.229
Std Dev 0.5815

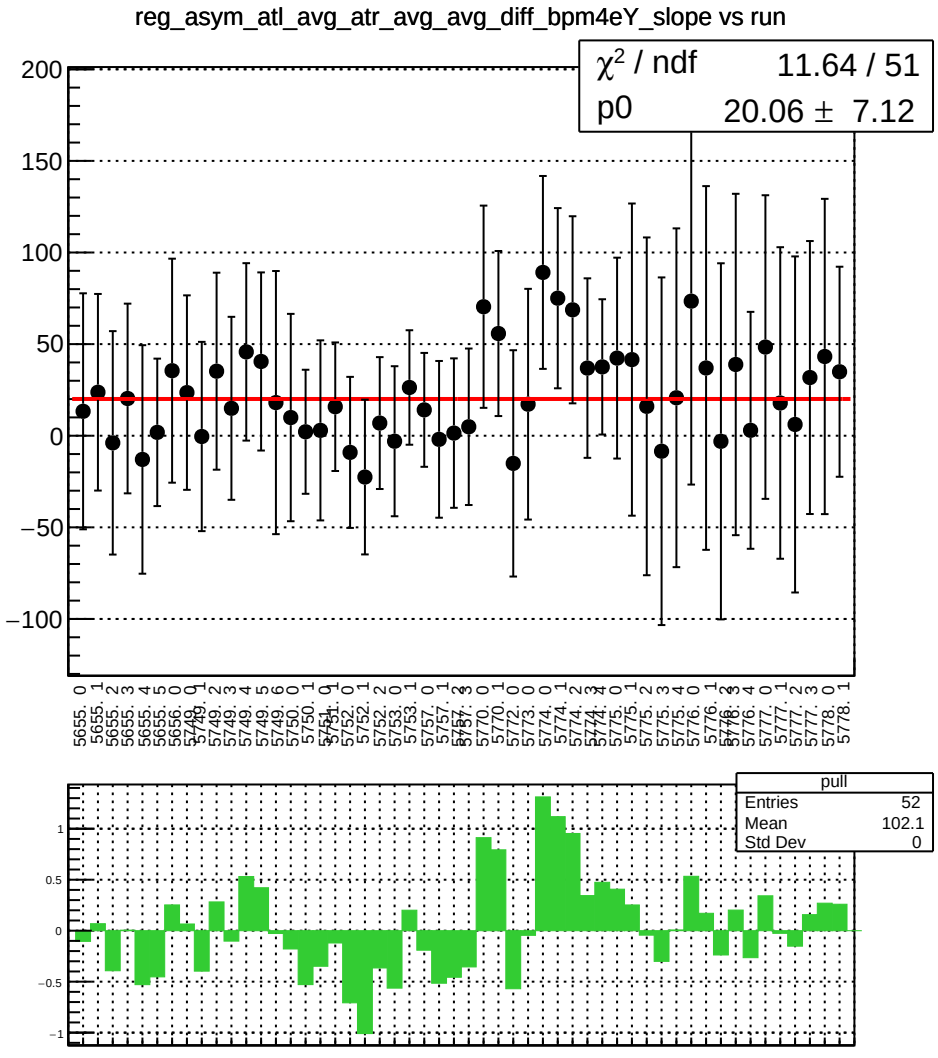

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 54.35 / 51
p0 −202.1± 3.699
pull
Entries 52
Mean 421.5
Std Dev 0

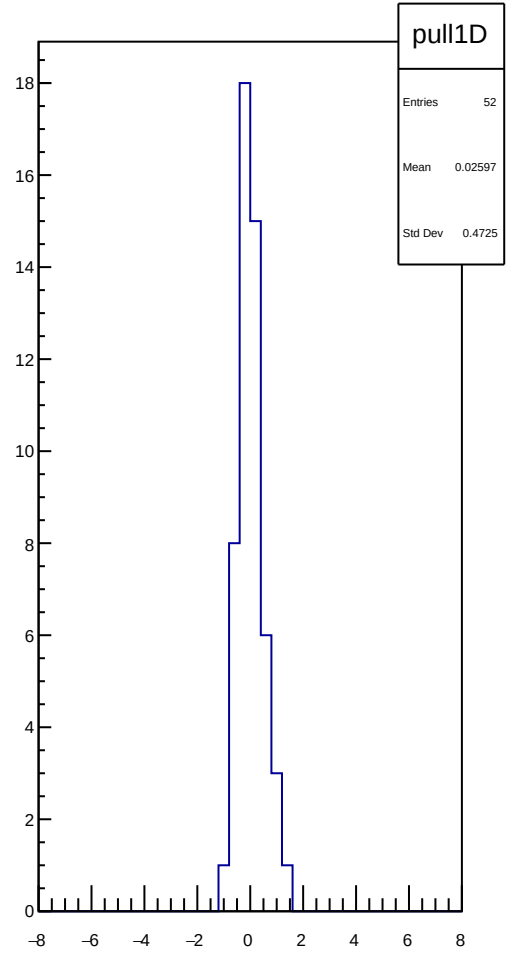

pull1D
Entries 52
Mean −0.03027
Std Dev 1.022

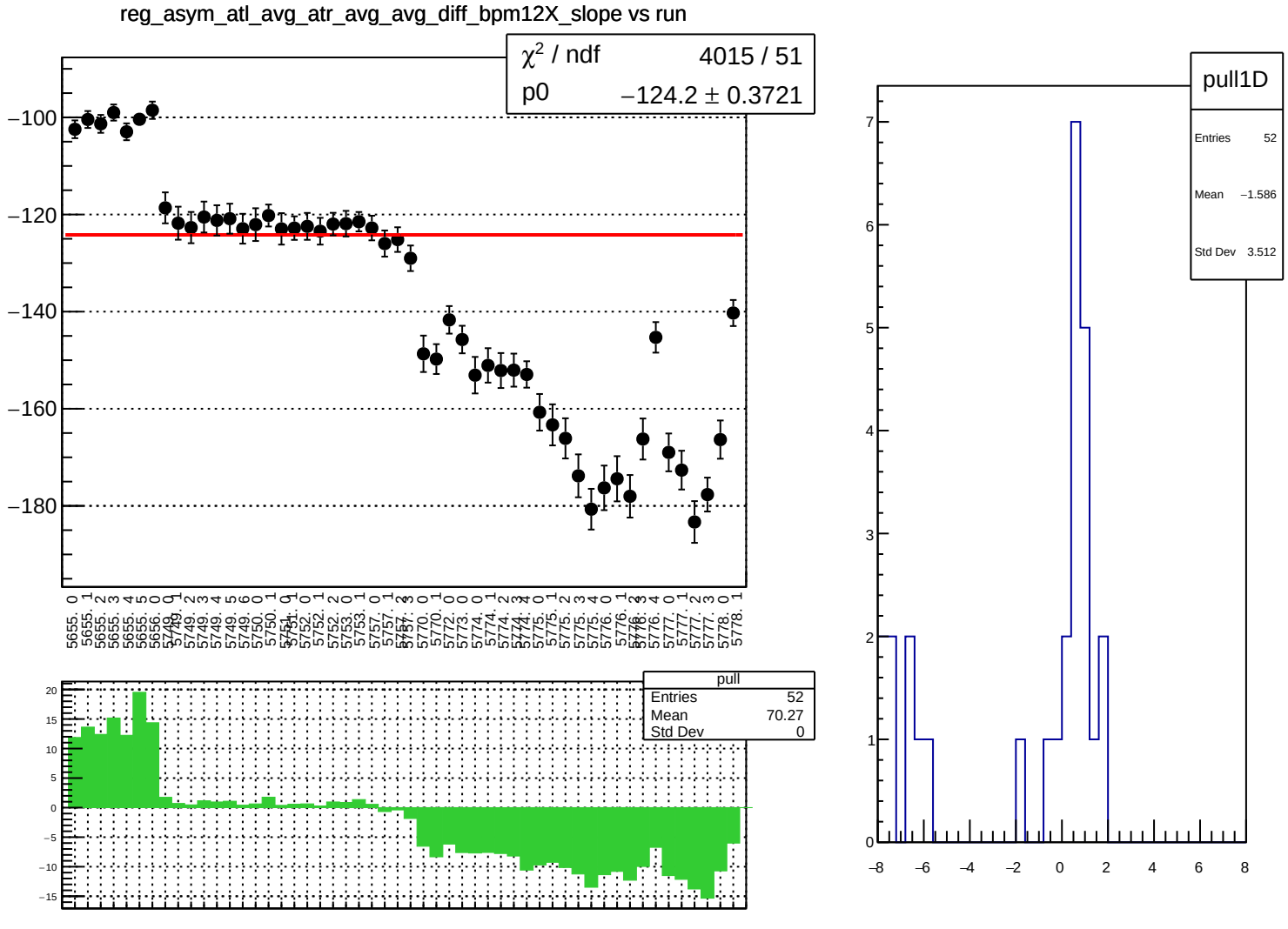

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.68 / 51
p0 28.71 ± 6.551
pull
Entries 52
Mean 115.9
Std Dev 0

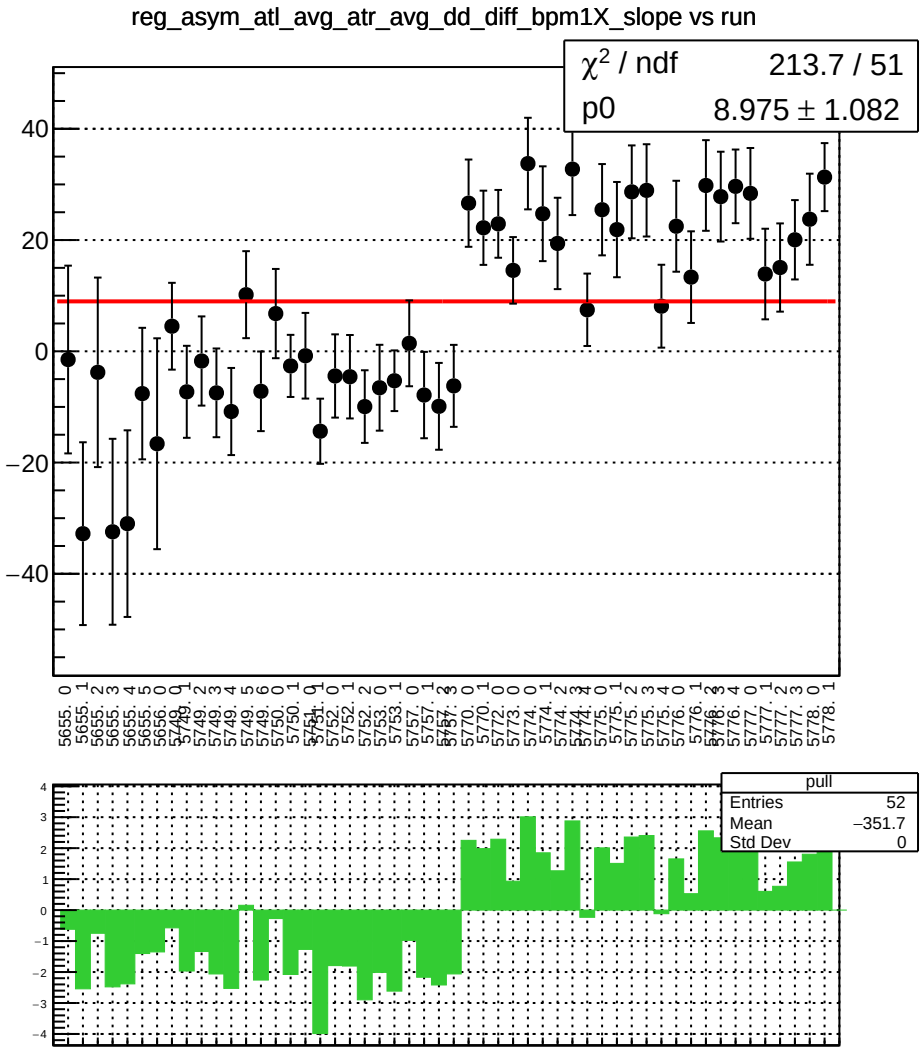

pull1D
Entries 52
Mean −0.002365
Std Dev 0.4532

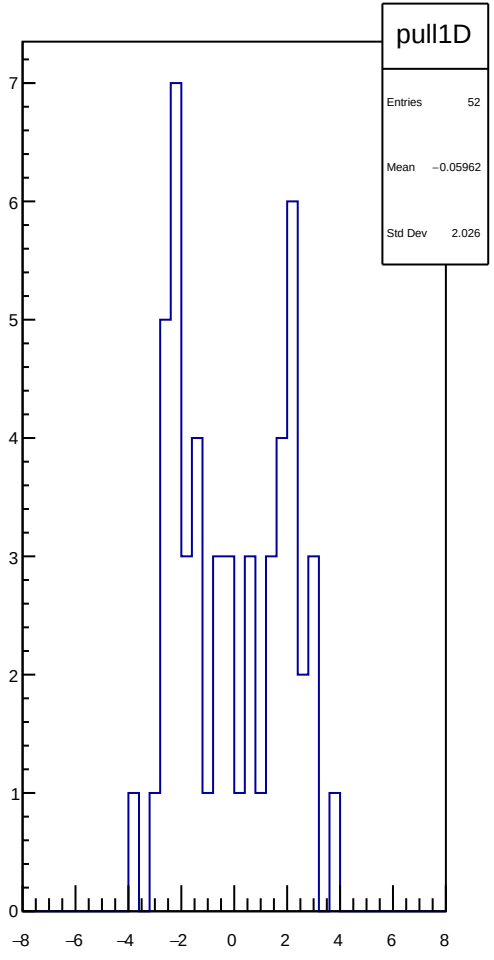

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 204.8 / 51
p0 335.1 ± 5.456
pull
Entries 52
Mean 296.7
Std Dev 0
pull1D
Entries 52
Mean 0.0898
Std Dev 1.983

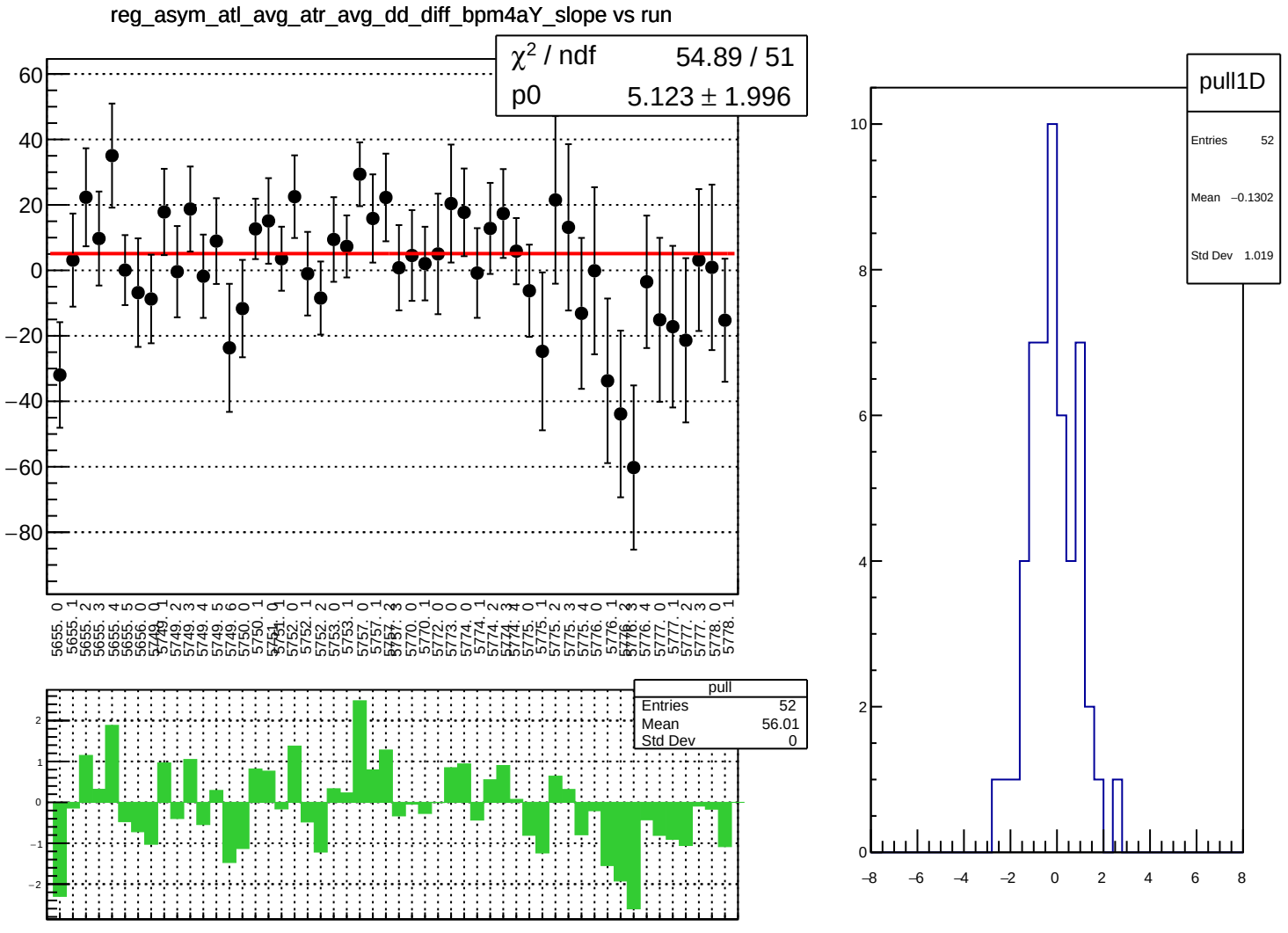

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.64 / 51
p0 20.06 ± 7.12
pull
Entries 52
Mean 102.1
Std Dev 0

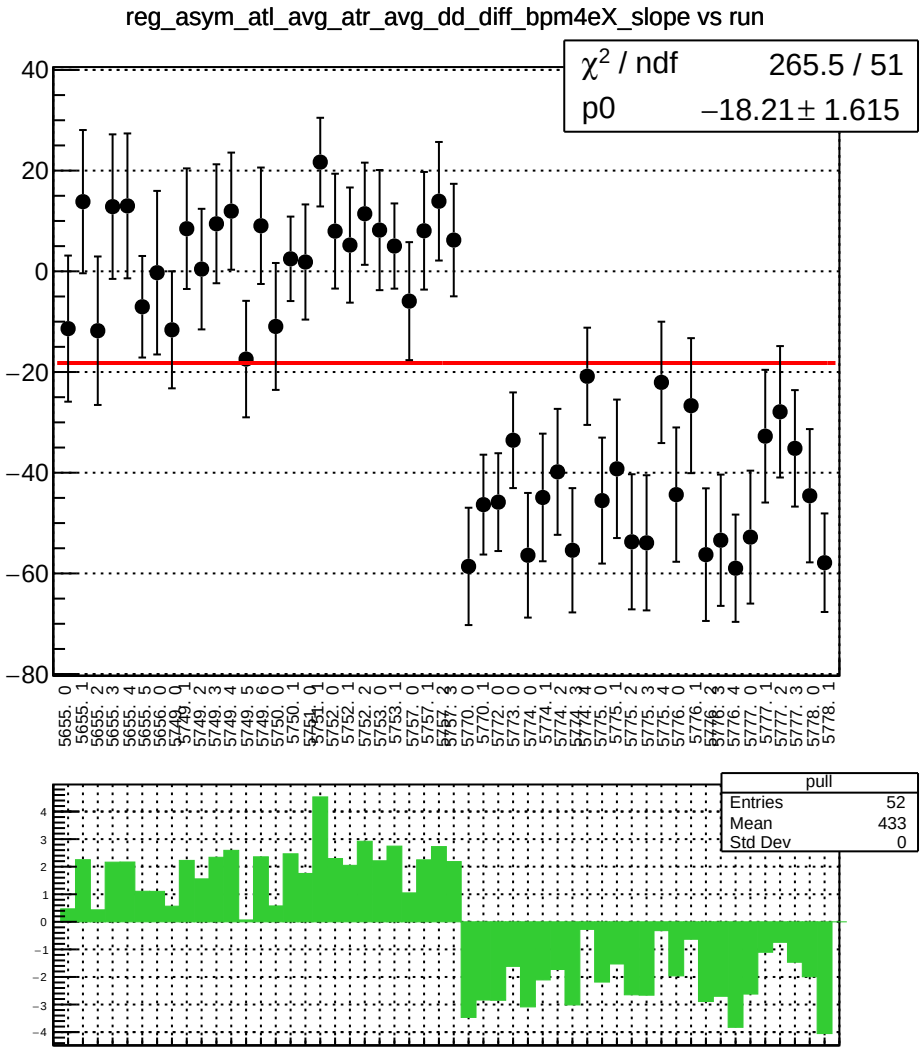

pull1D
Entries 52
Mean 0.02597
Std Dev 0.4725

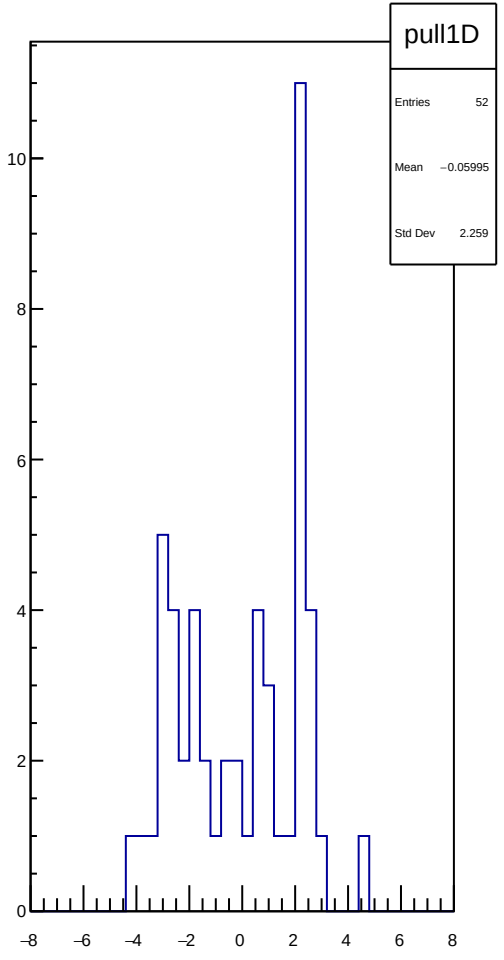

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 4015 / 51
p0 −124.2 ± 0.3721
pull
Entries 52
Mean 70.27
Std Dev 0
pull1D
Entries 52
Mean −1.586
Std Dev 3.512

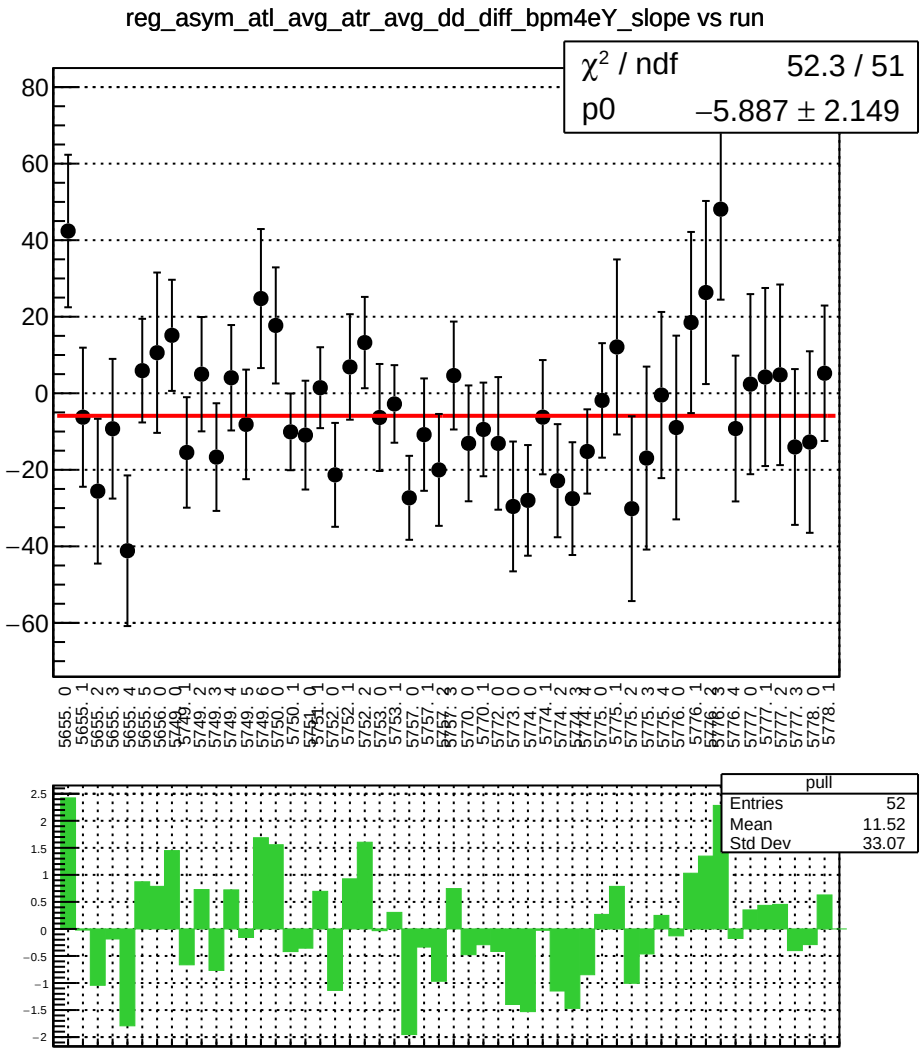

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 213.7 / 51
p0 8.975 ± 1.082
pull
Entries 52
Mean −351.7
Std Dev 0

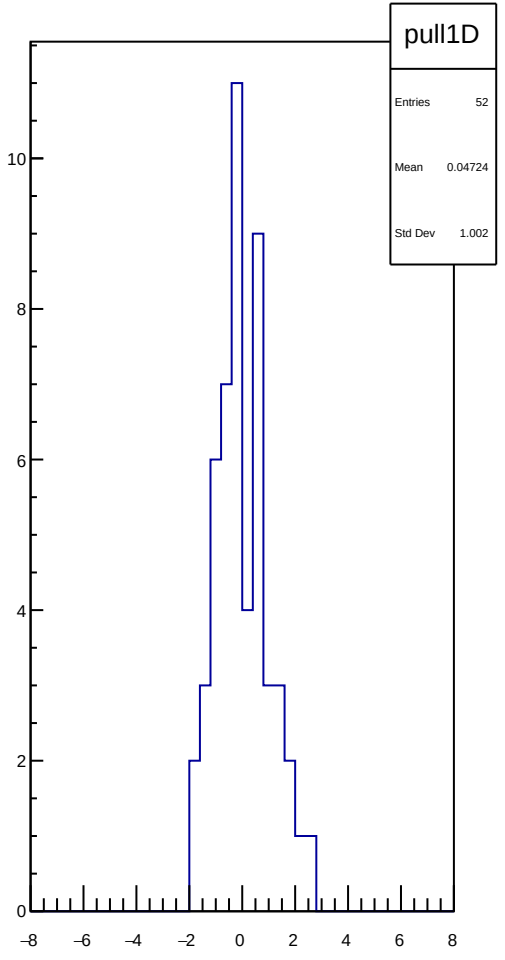

pull1D
Entries 52
Mean −0.05962
Std Dev 2.026

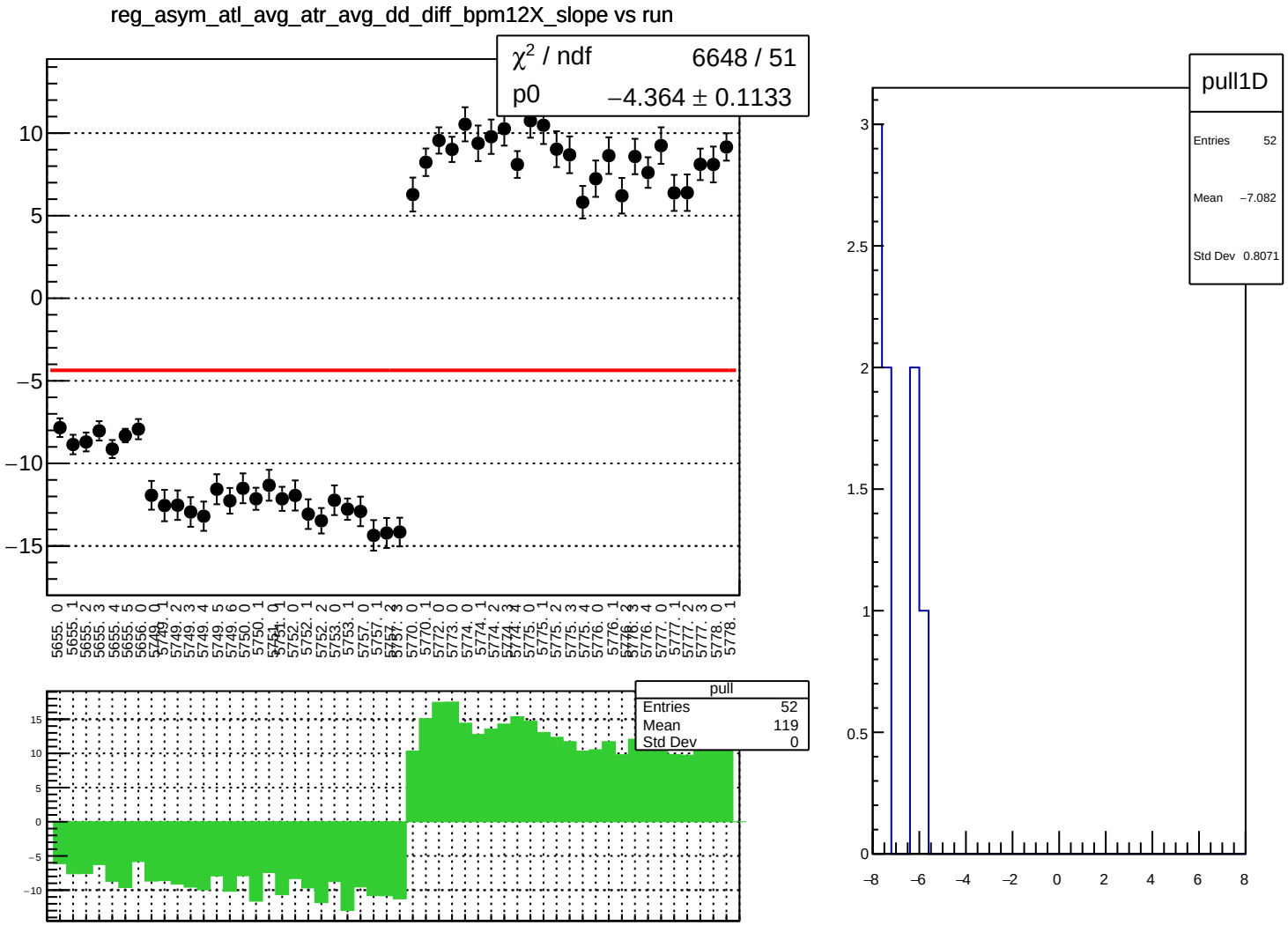

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 54.89 / 51
p0 5.123 ± 1.996
pull
Entries 52
Mean 56.01
Std Dev 0
pull1D
Entries 52
Mean −0.1302
Std Dev 1.019

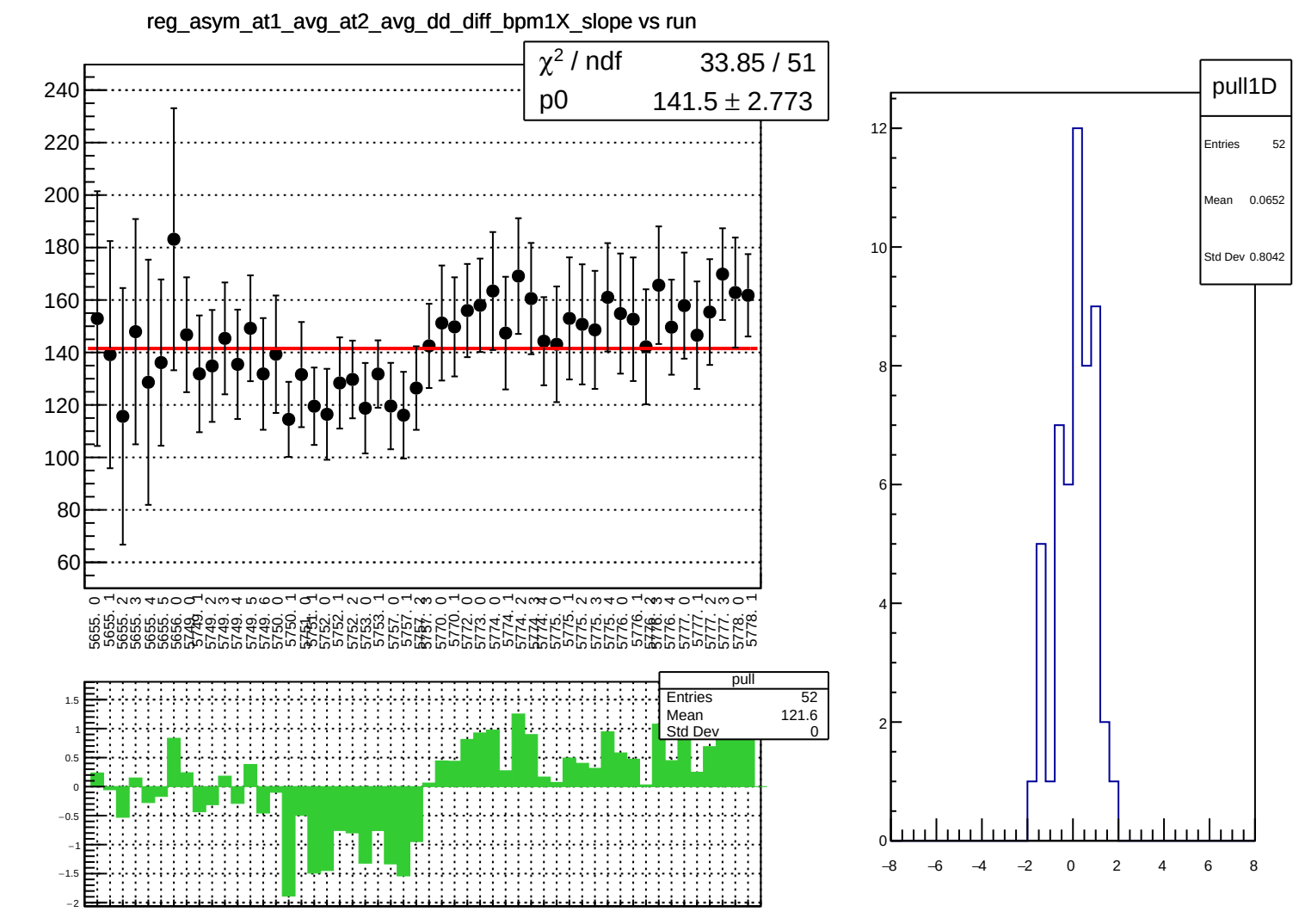

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 265.5 / 51
p0 −18.21± 1.615
pull
Entries 52
Mean 433
Std Dev 0

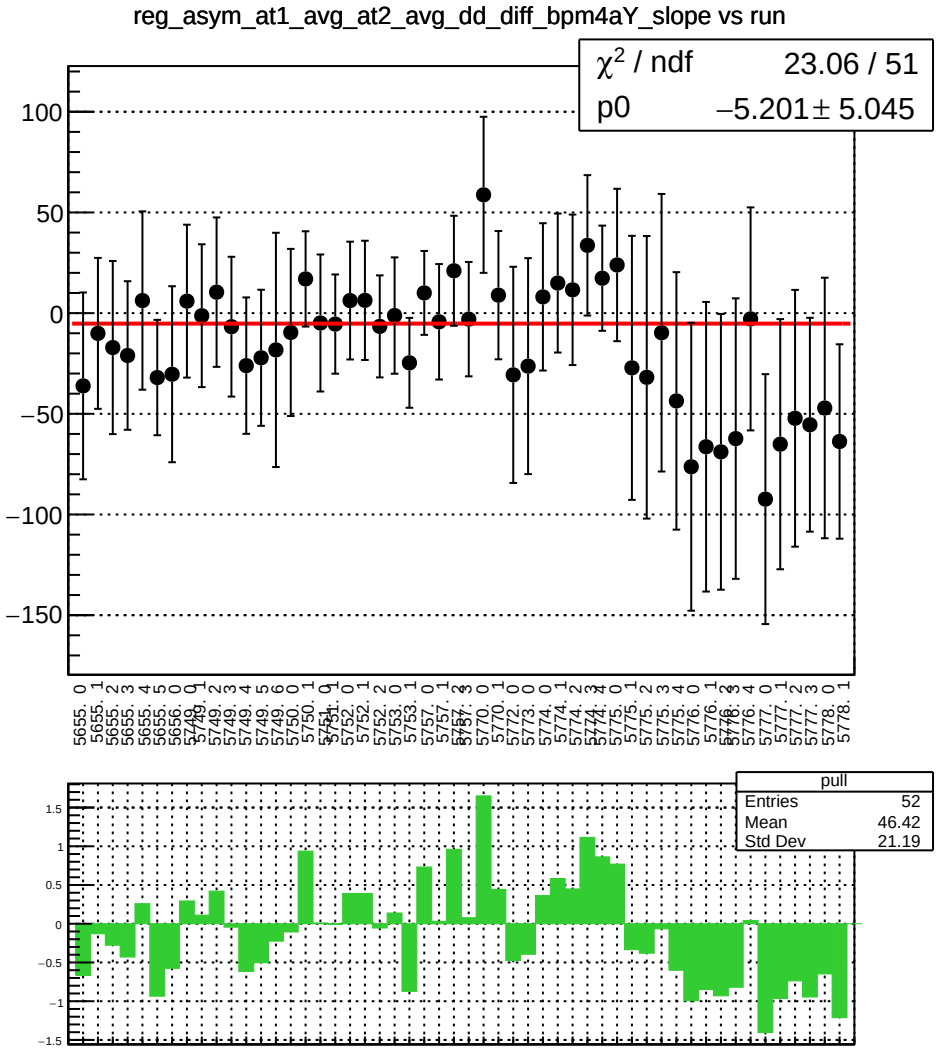

pull1D
Entries 52
Mean −0.05995
Std Dev 2.259

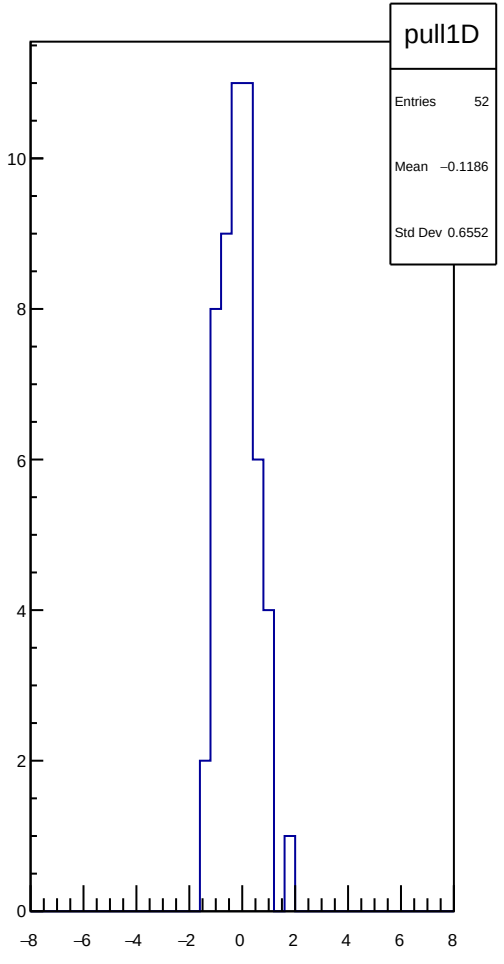

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 52.3 / 51
p0 −5.887 ± 2.149
pull
Entries 52
Mean 11.52
Std Dev 33.07

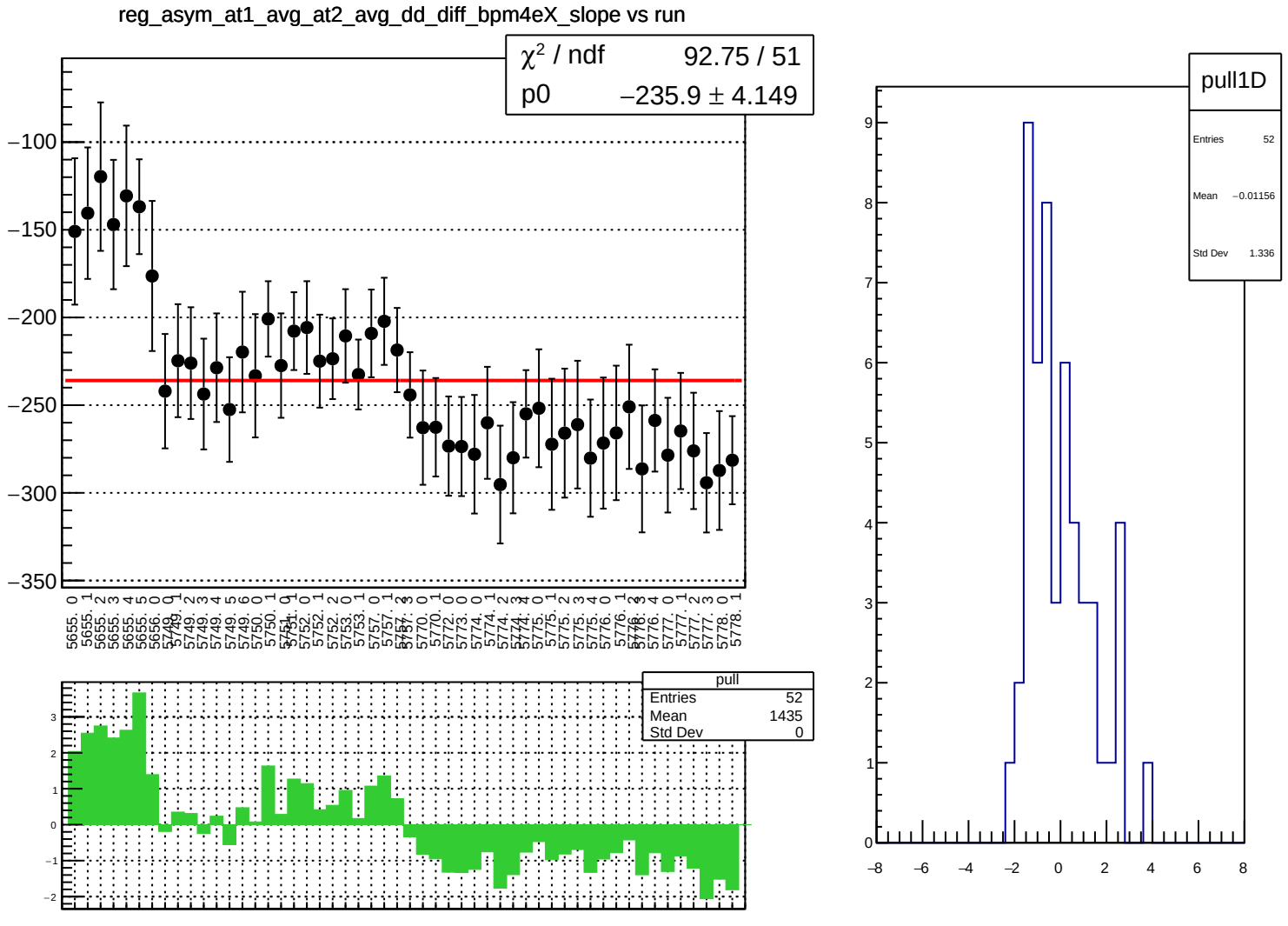

pull1D
Entries 52
Mean 0.04724
Std Dev 1.002

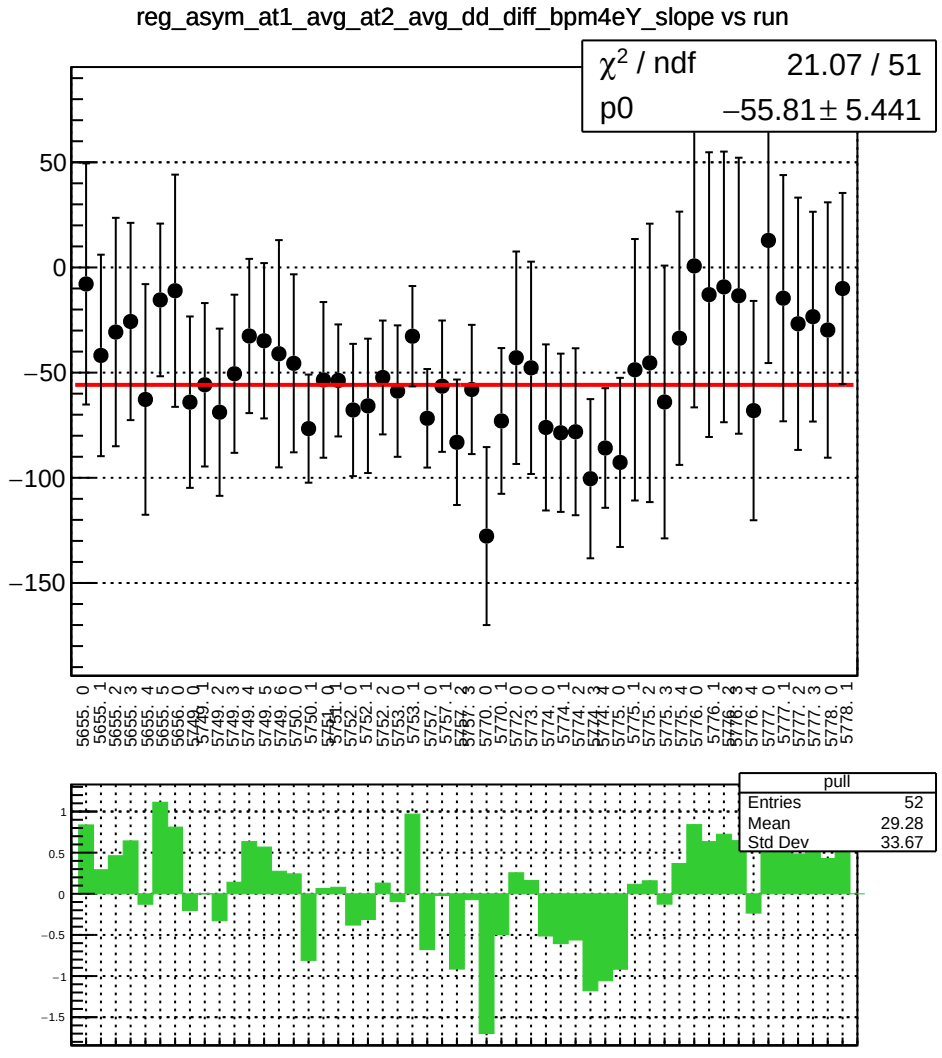

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 6648 / 51
p0 −4.364 ± 0.1133
pull
Entries 52
Mean 119
Std Dev 0
pull1D
Entries 52
Mean −7.082
Std Dev 0.8071

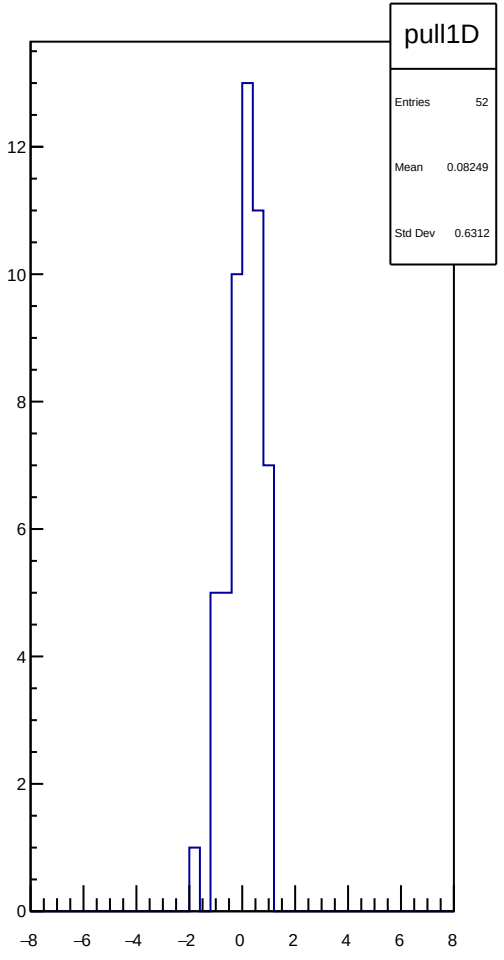

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 33.85 / 51
p0 141.5 ± 2.773
pull
Entries 52
Mean 121.6
Std Dev 0
pull1D
Entries 52
Mean 0.0652
Std Dev 0.8042

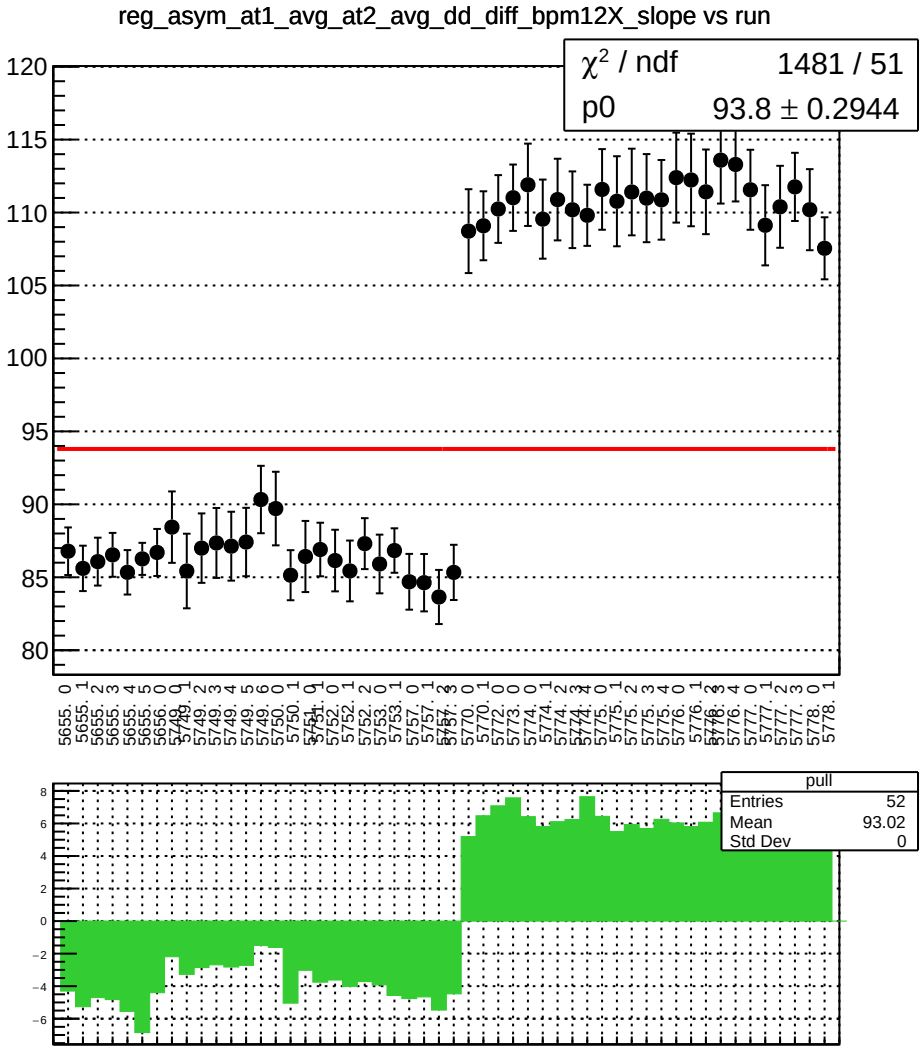

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.06 / 51
p0 −5.201 ± 5.045
pull
Entries 52
Mean 46.42
Std Dev 21.19

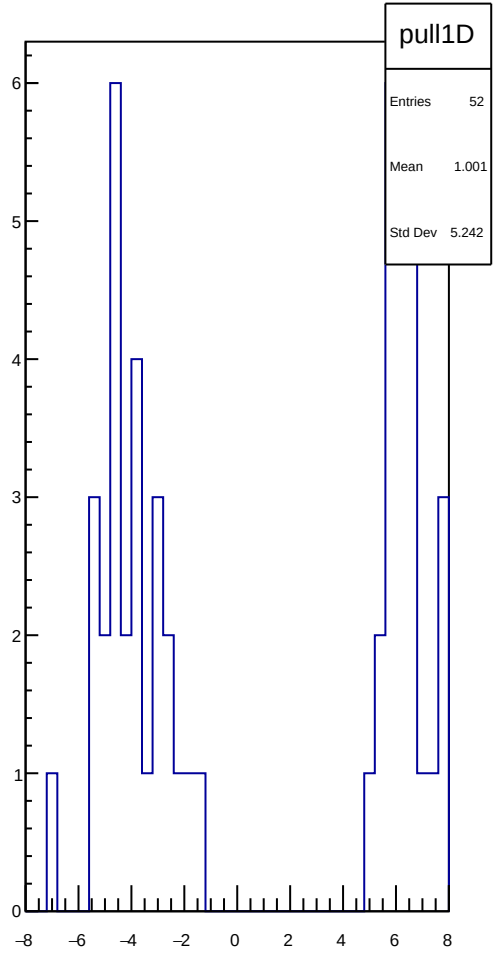

pull1D
Entries 52
Mean −0.1186
Std Dev 0.6552

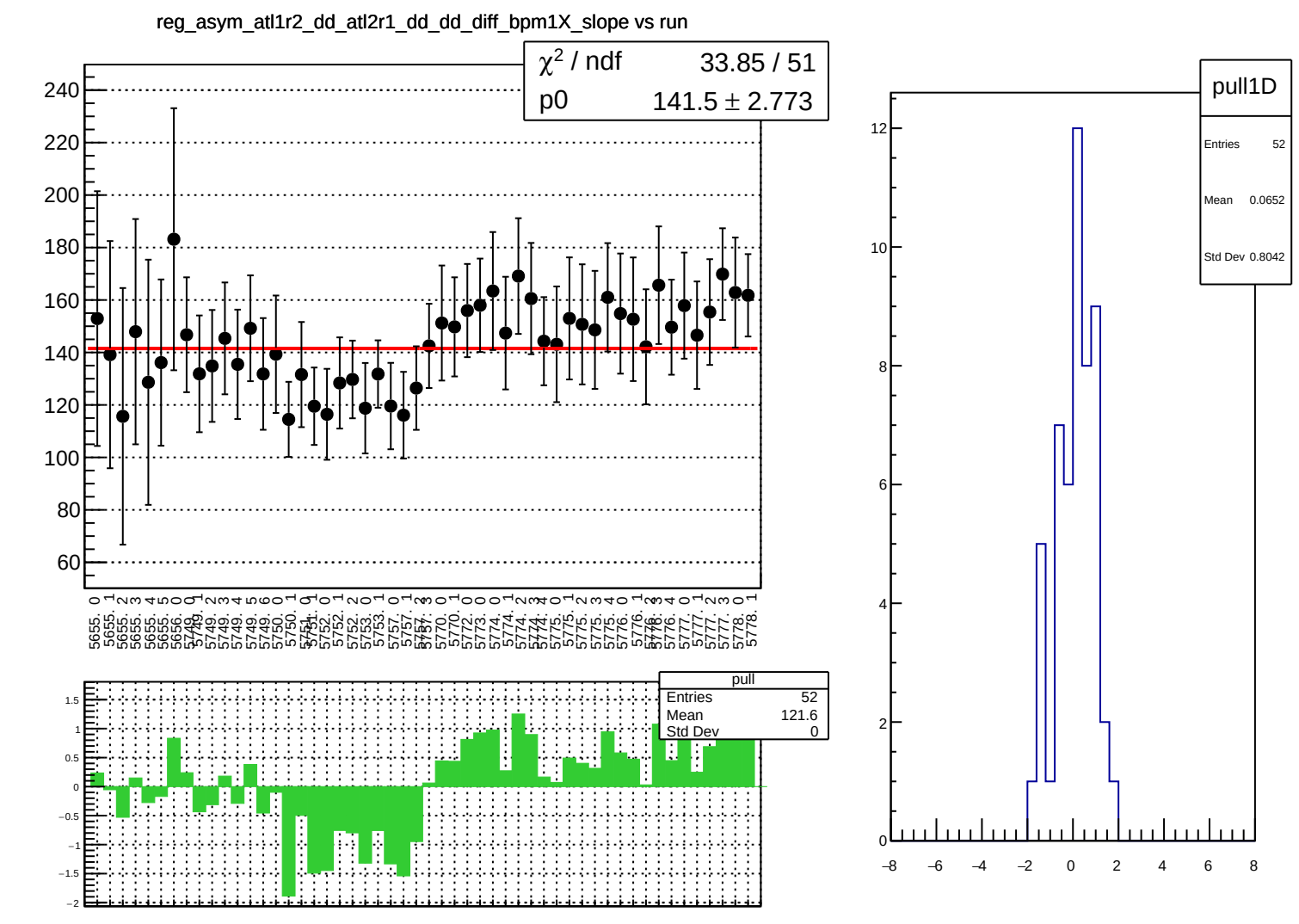

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 92.75 / 51
p0 −235.9 ± 4.149
pull
Entries 52
Mean 1435
Std Dev 0
pull1D
Entries 52
Mean −0.01156
Std Dev 1.336

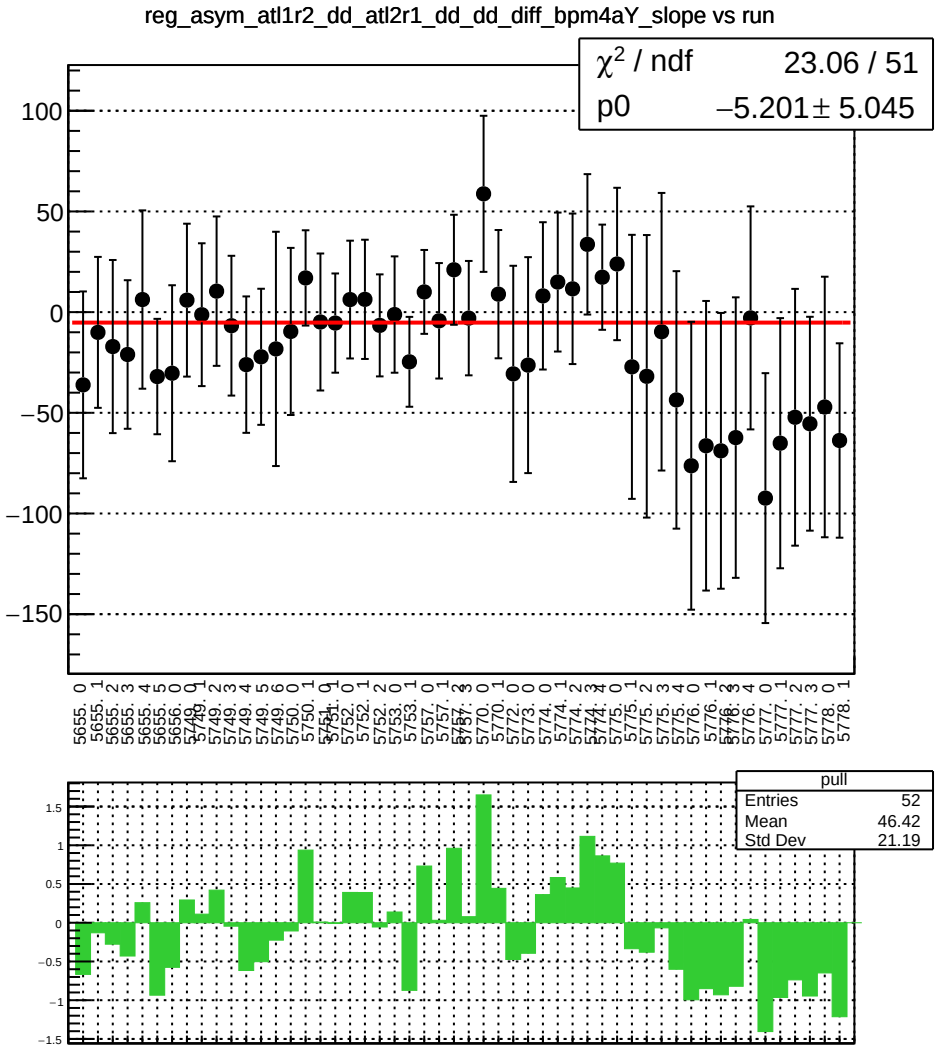

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.07 / 51
p0 −55.81 ± 5.441
50
0
−50
−100
−150
pull
Entries 52
Mean 29.28
Std Dev 33.67
1
0.5
0
−0.5
−1
−1.5

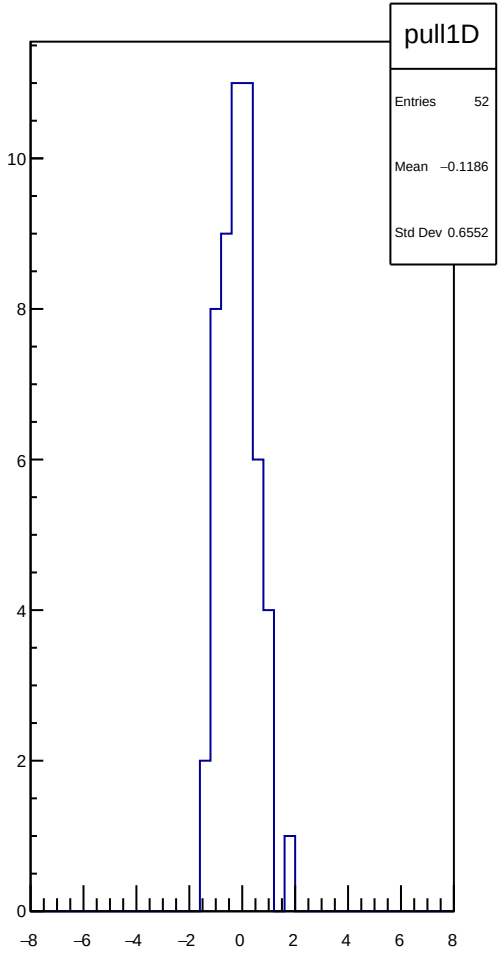

pull1D
Entries 52
Mean 0.08249
Std Dev 0.6312
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

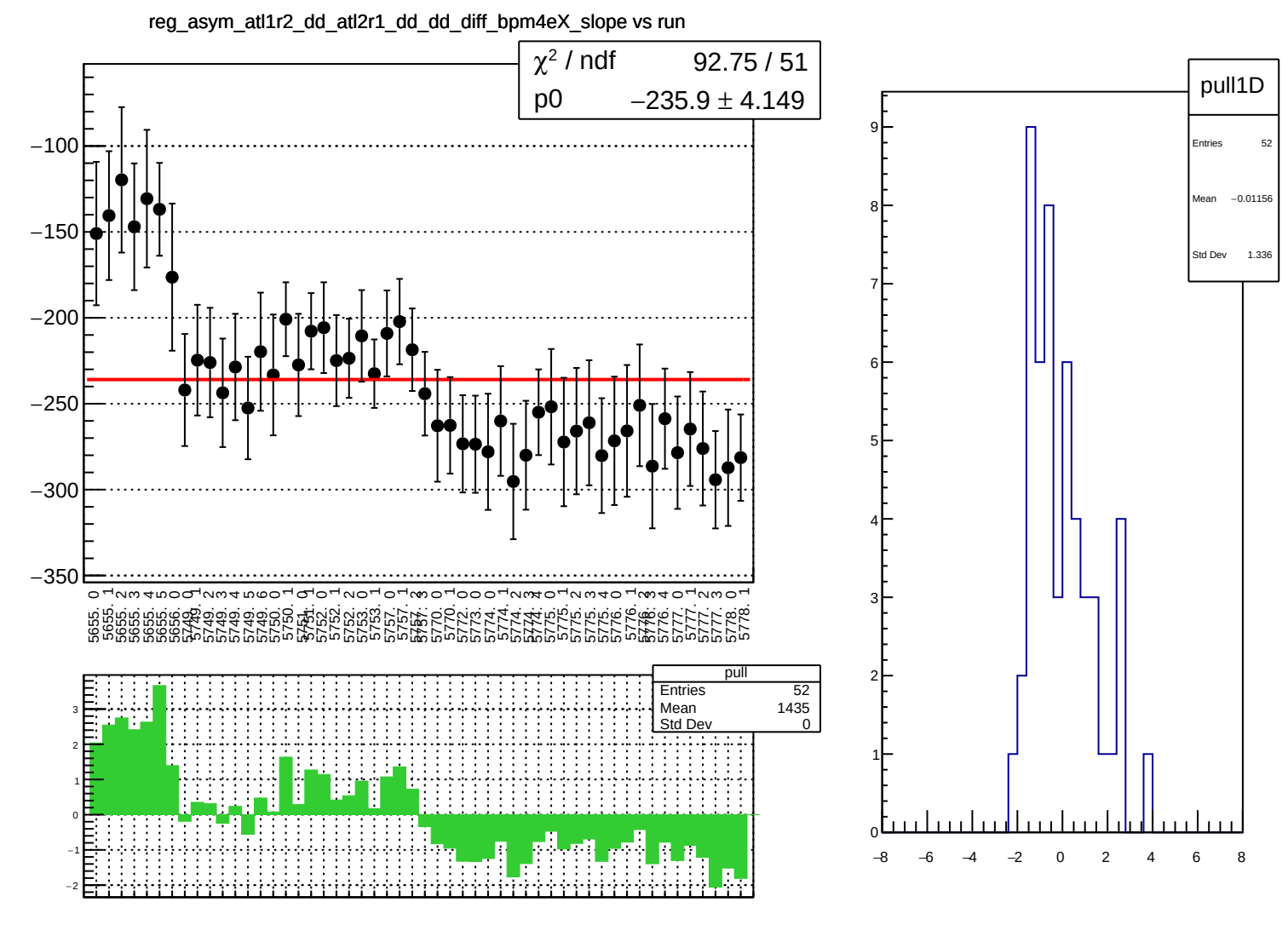

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 1481 / 51
p0 93.8 ± 0.2944
pull
Entries 52
Mean 93.02
Std Dev 0

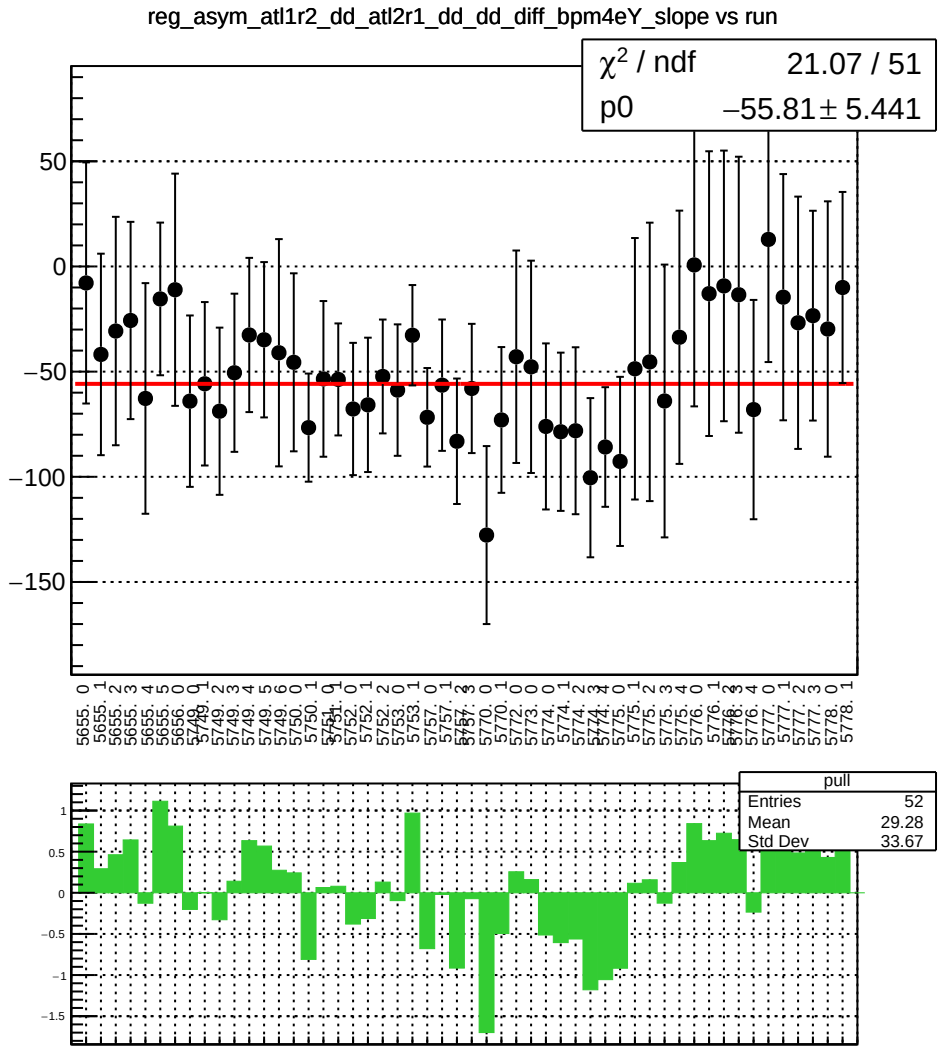

pull1D
Entries 52
Mean 1.001
Std Dev 5.242

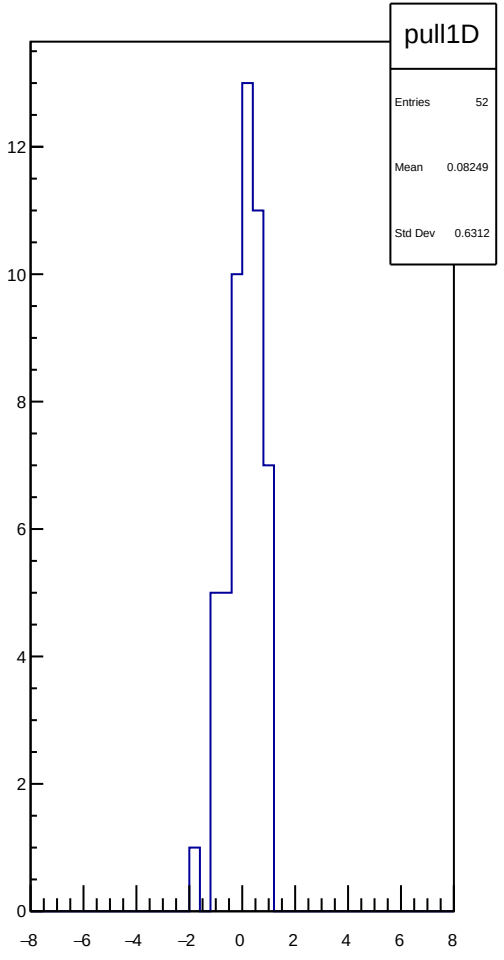

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 33.85 / 51
p0 141.5 ± 2.773
pull
Entries 52
Mean 121.6
Std Dev 0
pull1D
Entries 52
Mean 0.0652
Std Dev 0.8042

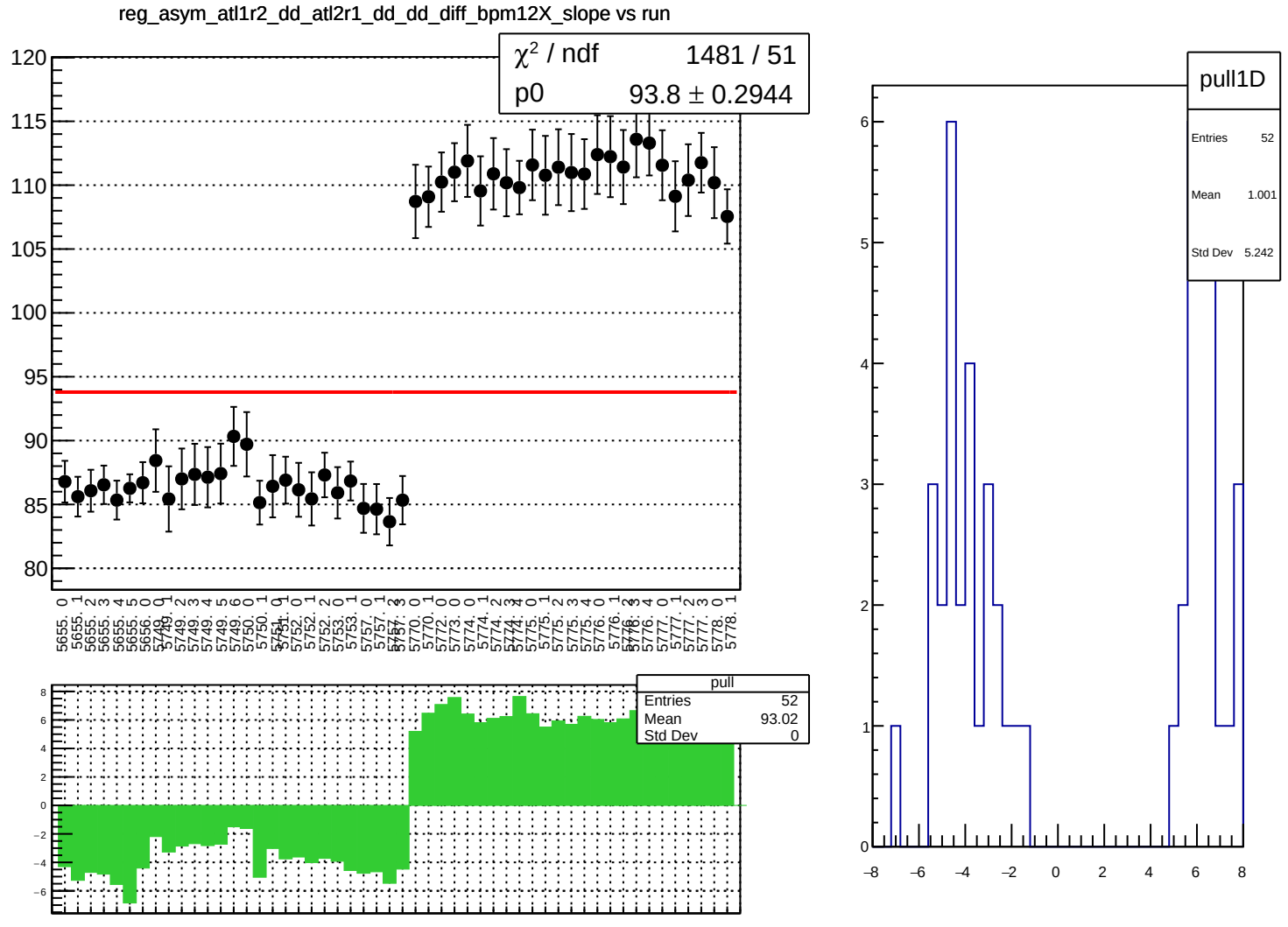

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.06 / 51
p0 −5.201 ± 5.045
pull
Entries 52
Mean 46.42
Std Dev 21.19

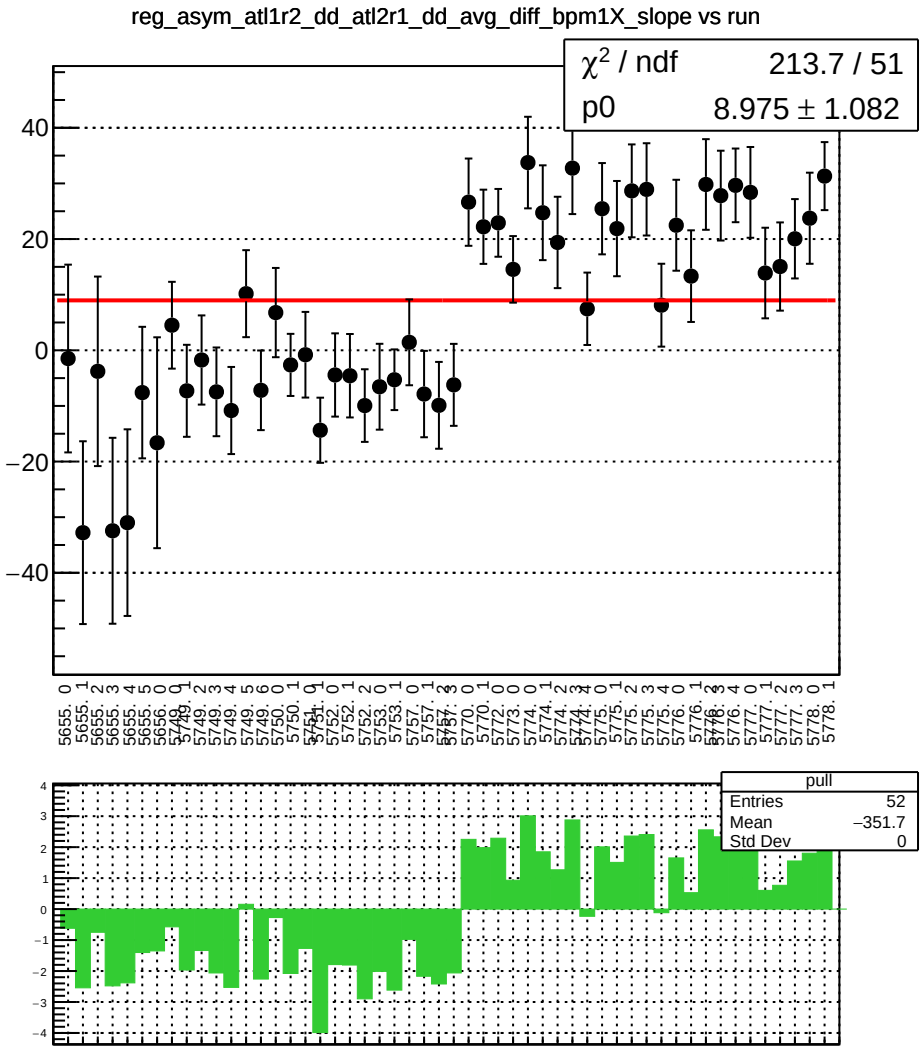

pull1D
Entries 52
Mean −0.1186
Std Dev 0.6552

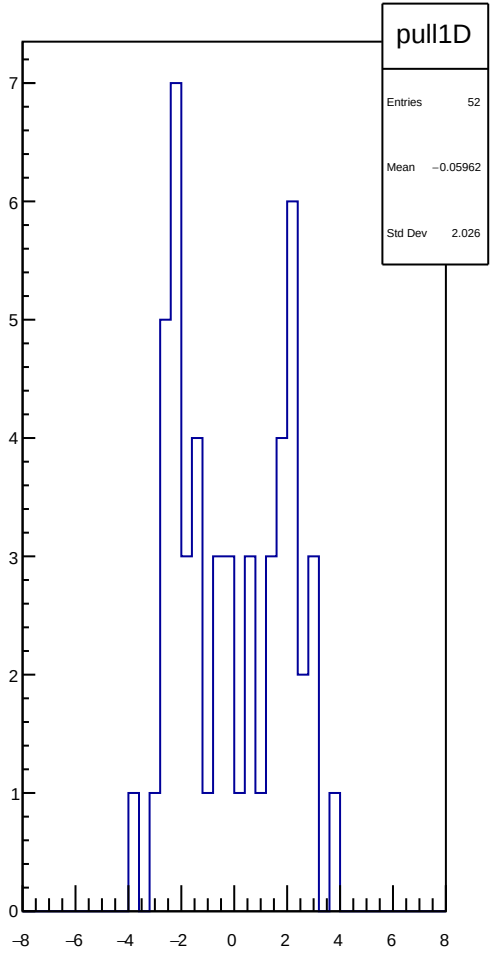

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 92.75 / 51
p0 −235.9 ± 4.149
pull
Entries 52
Mean 1435
Std Dev 0
pull1D
Entries 52
Mean −0.01156
Std Dev 1.336

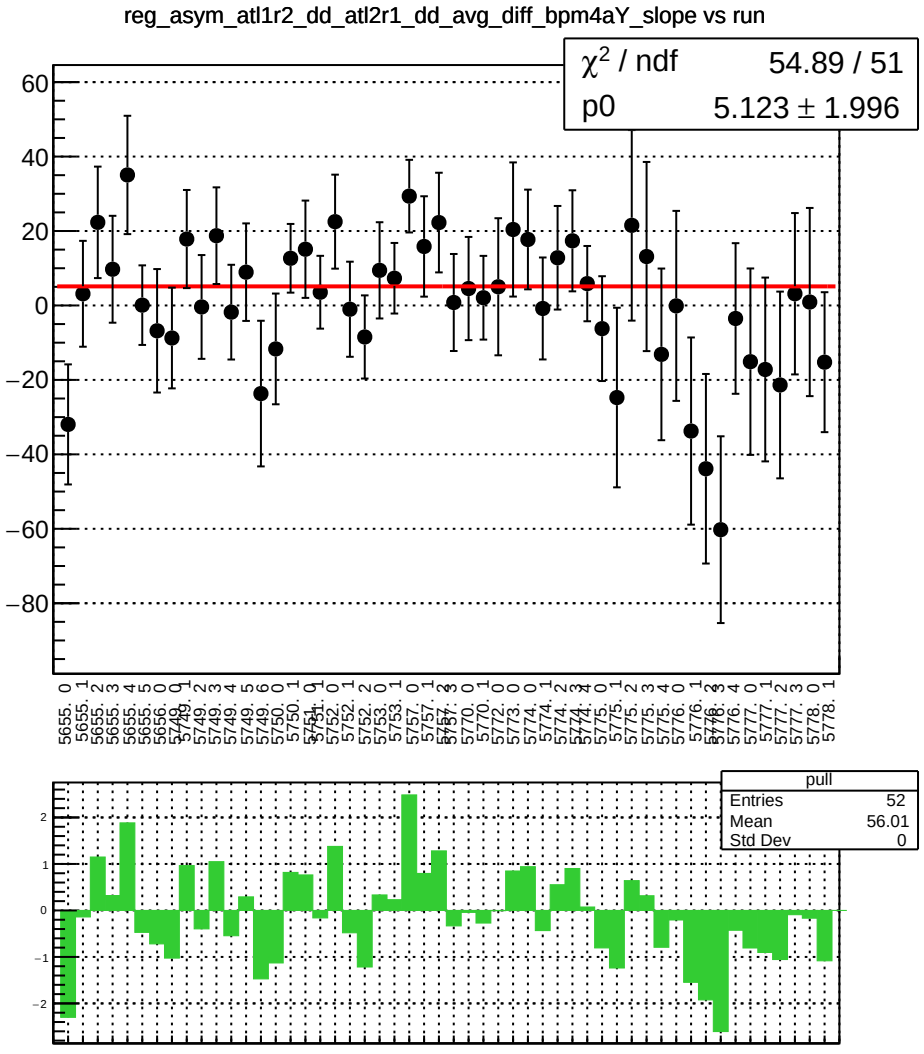

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.07 / 51
p0 −55.81 ± 5.441
pull
Entries 52
Mean 29.28
Std Dev 33.67

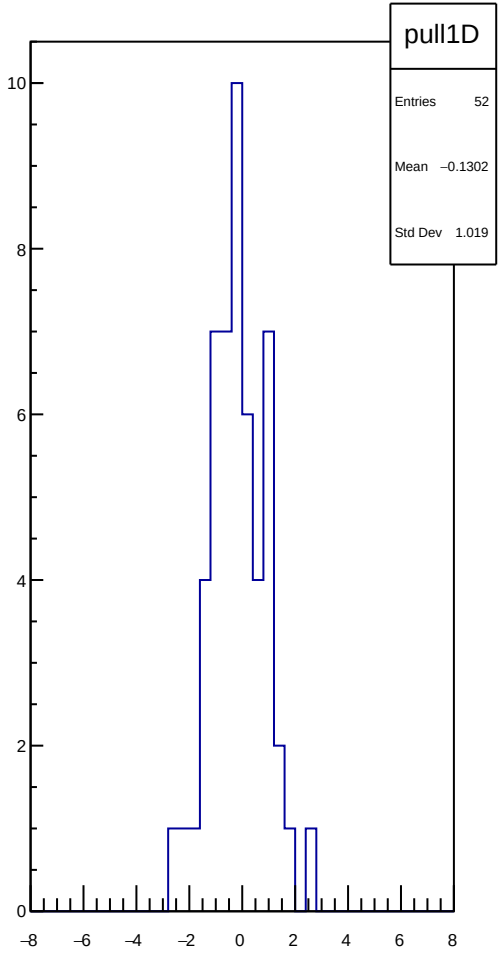

pull1D
Entries 52
Mean 0.08249
Std Dev 0.6312

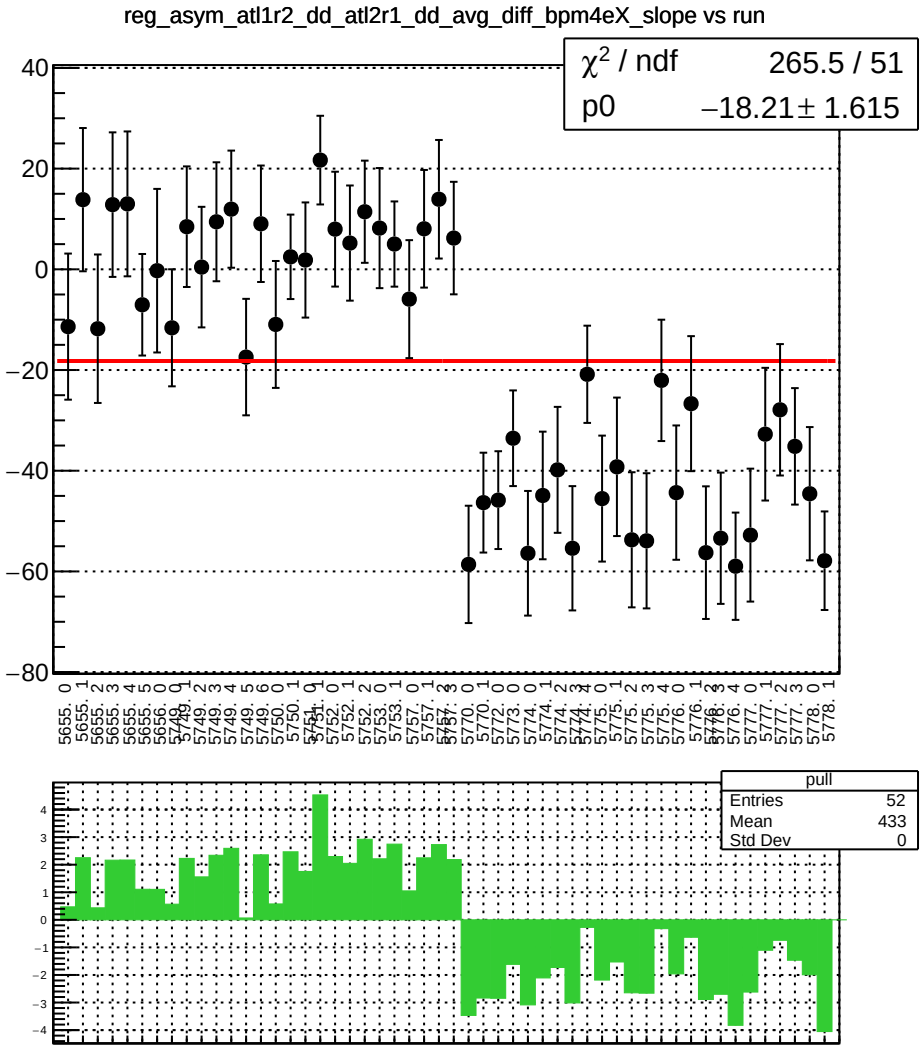

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 1481 / 51
p0 93.8 ± 0.2944
pull
Entries 52
Mean 93.02
Std Dev 0
pull1D
Entries 52
Mean 1.001
Std Dev 5.242

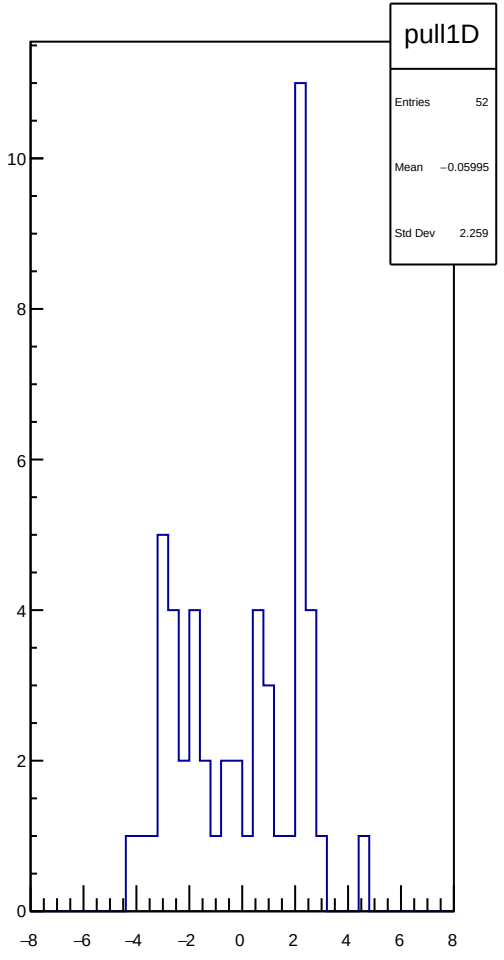

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 213.7 / 51
p0 8.975 ± 1.082
pull
Entries 52
Mean −351.7
Std Dev 0

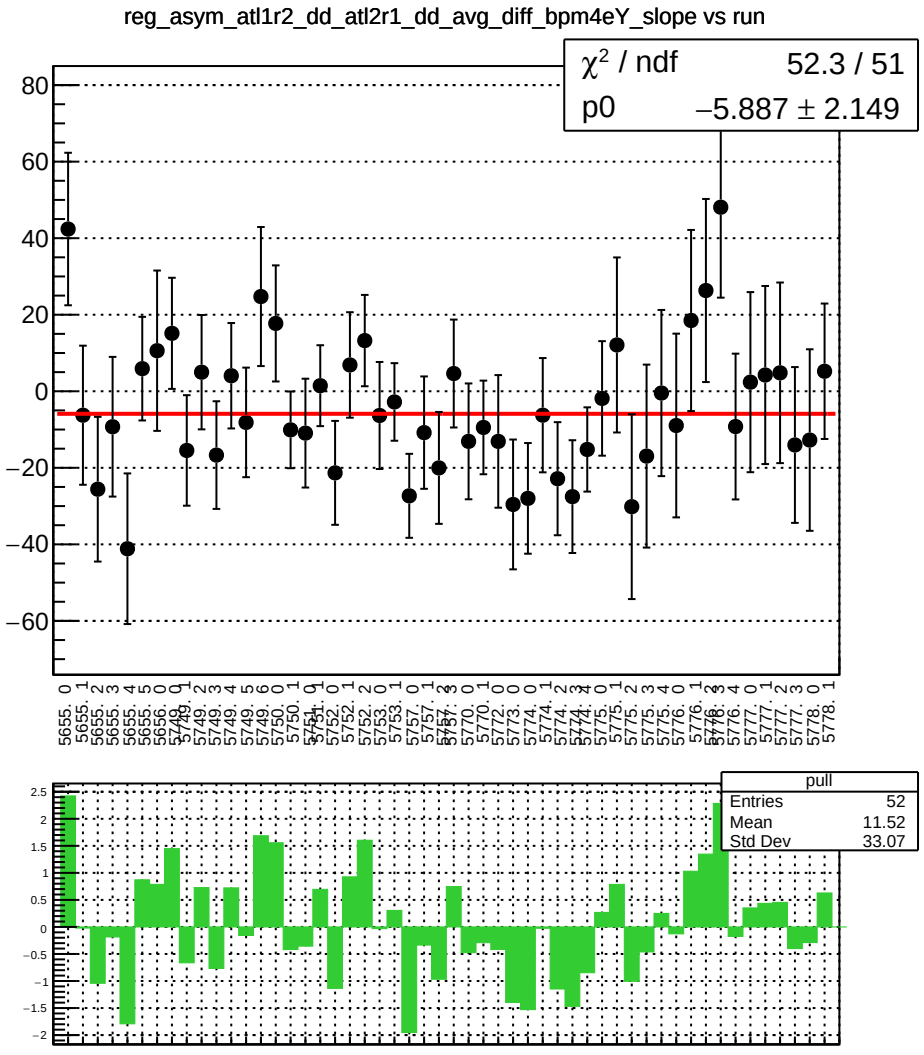

pull1D
Entries 52
Mean −0.05962
Std Dev 2.026

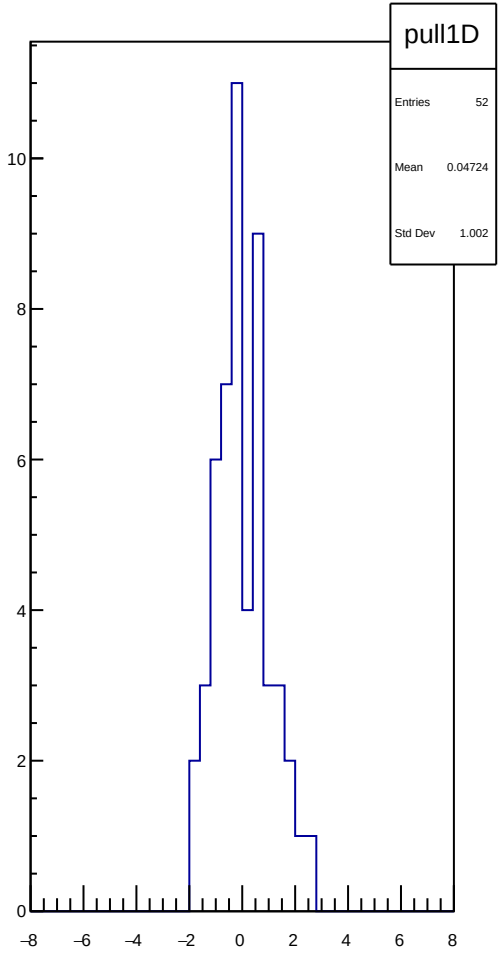

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 54.89 / 51
p0 5.123 ± 1.996
pull
Entries 52
Mean 56.01
Std Dev 0

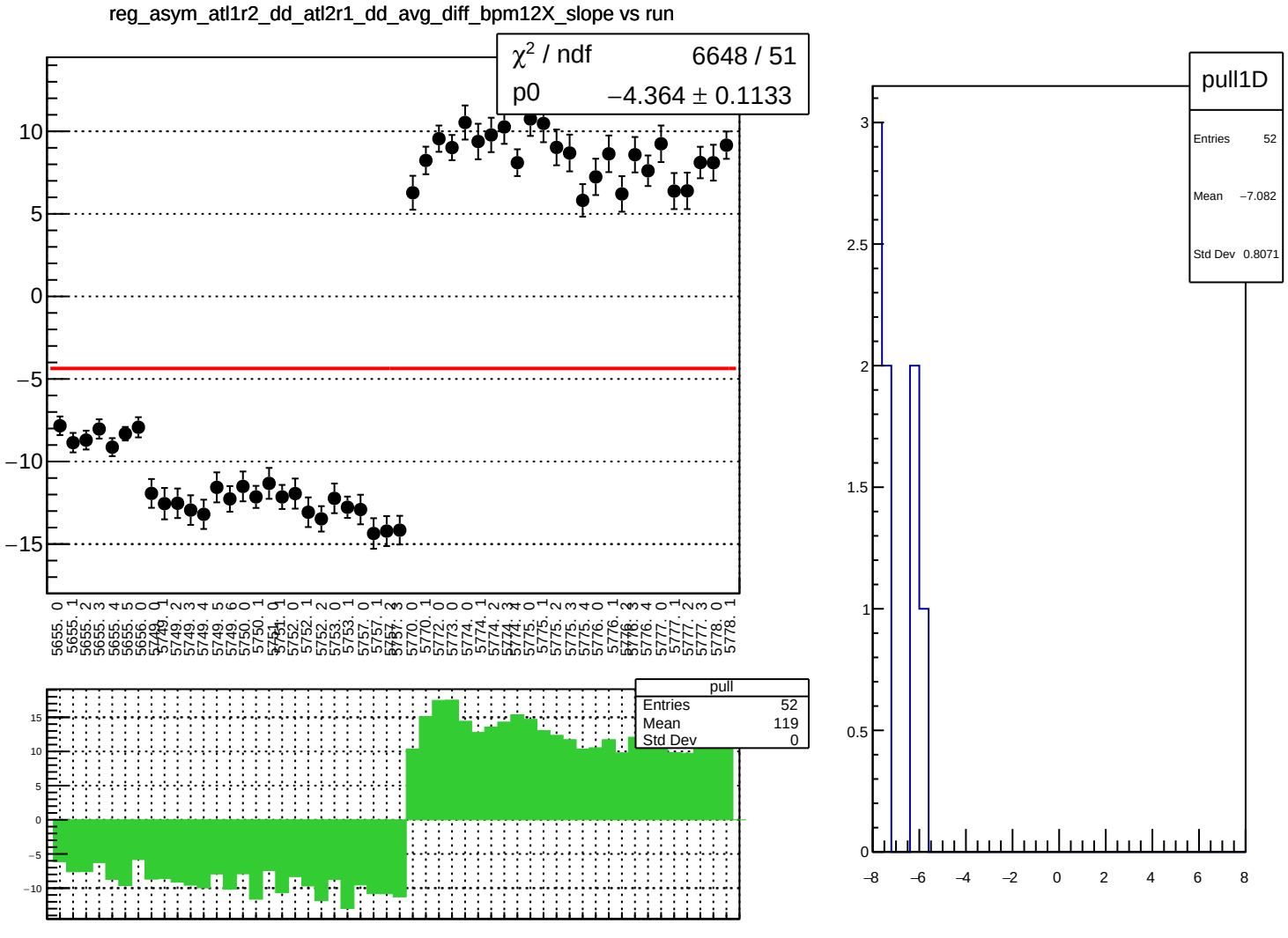

pull1D
Entries 52
Mean −0.1302
Std Dev 1.019

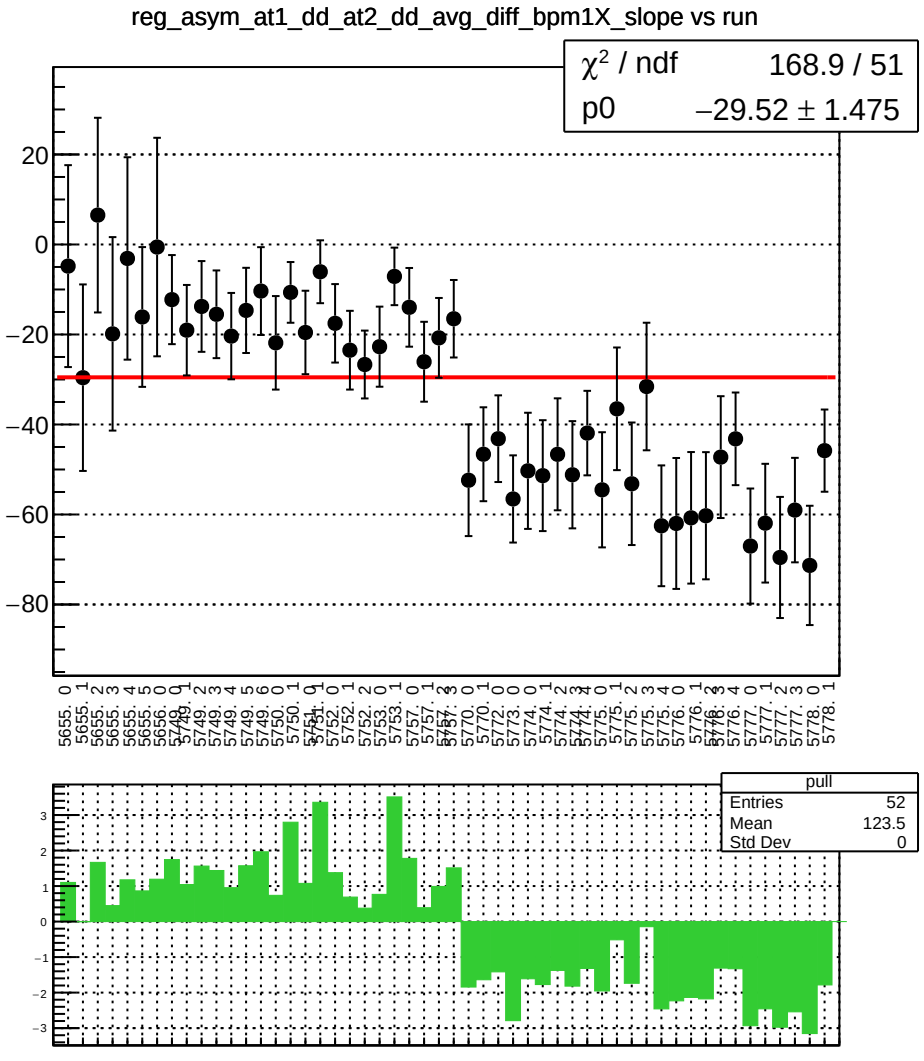

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 265.5 / 51
p0 −18.21 ± 1.615
pull
Entries 52
Mean 433
Std Dev 0

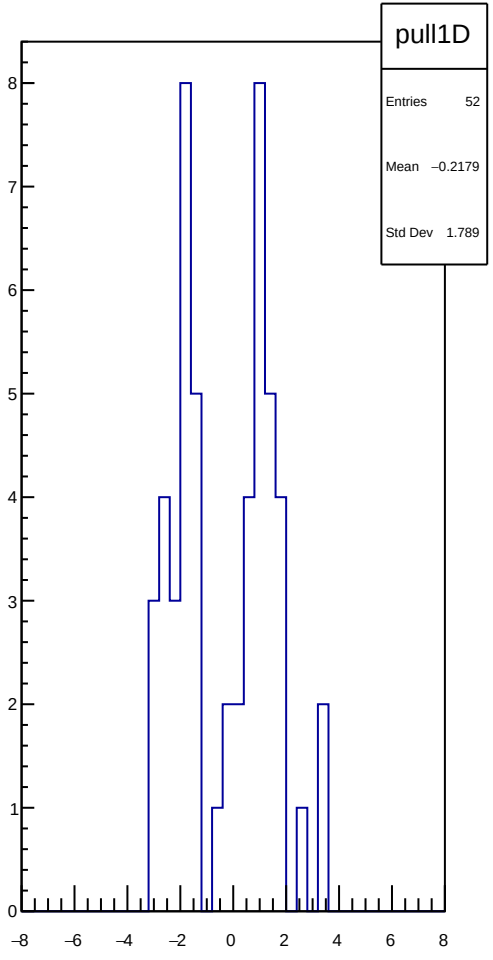

pull1D
Entries 52
Mean −0.05995
Std Dev 2.259

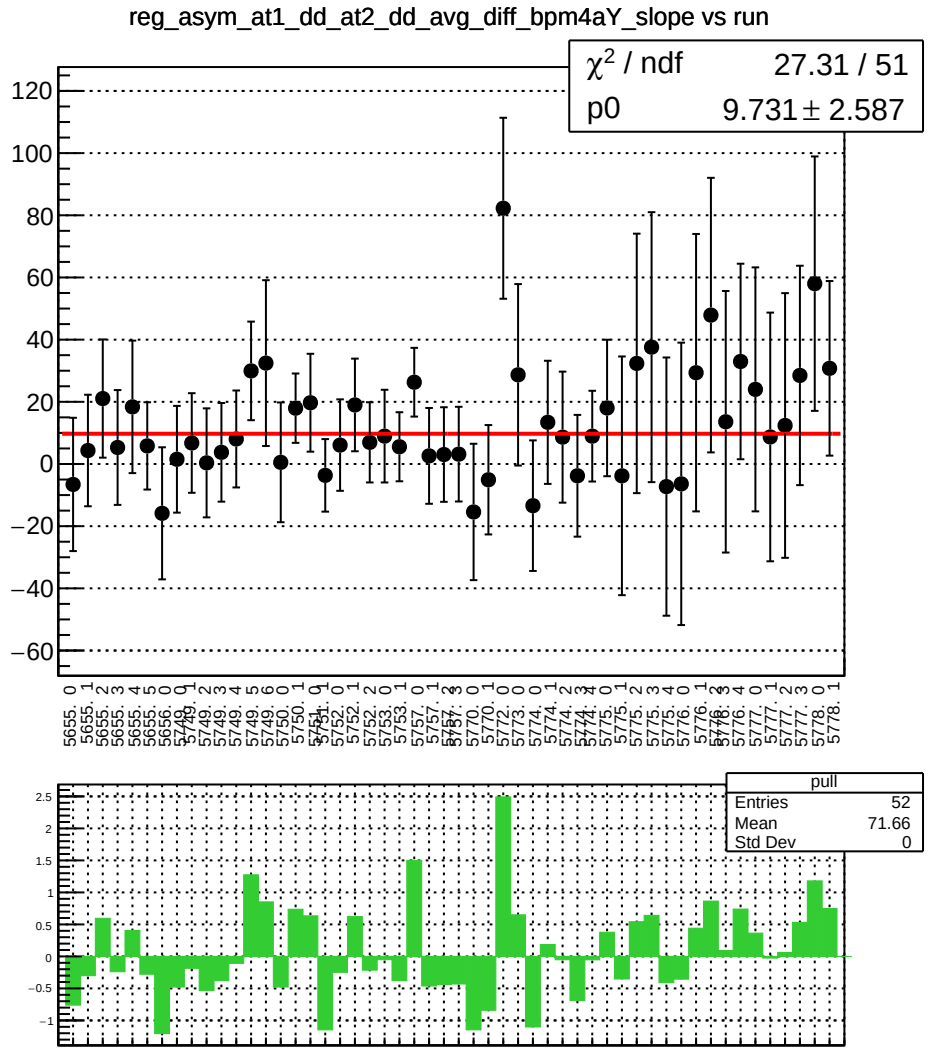

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 52.3 / 51
p0 −5.887 ± 2.149
pull
Entries 52
Mean 11.52
Std Dev 33.07

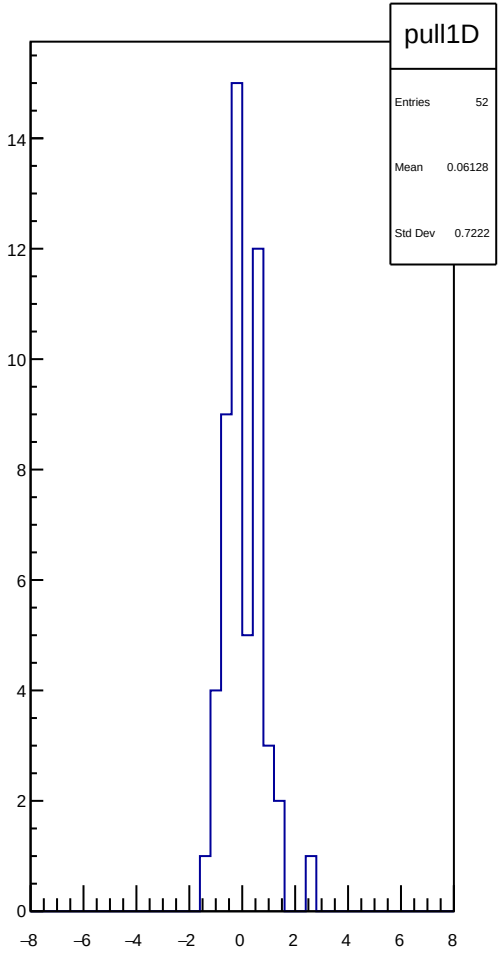

pull1D
Entries 52
Mean 0.04724
Std Dev 1.002

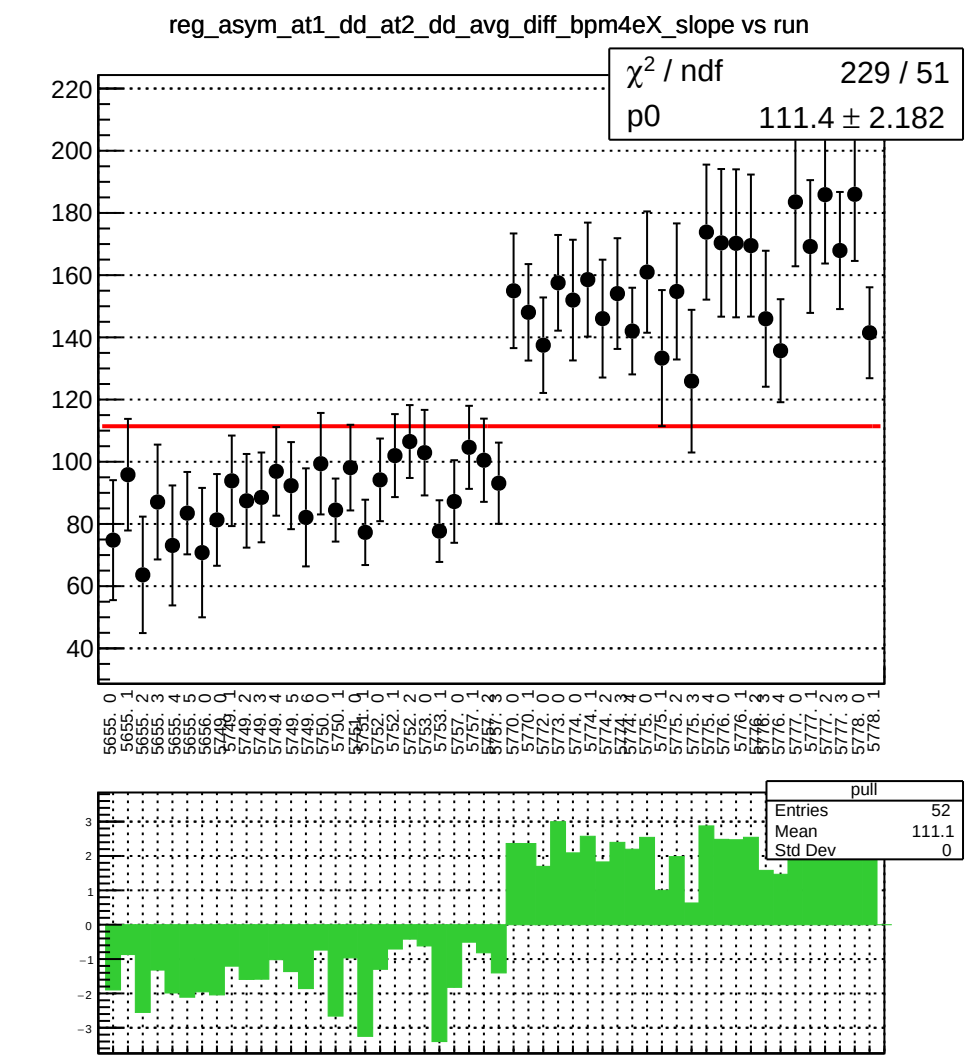

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 6648 / 51
p0 −4.364 ± 0.1133
pull
Entries 52
Mean 119
Std Dev 0
pull1D
Entries 52
Mean −7.082
Std Dev 0.8071

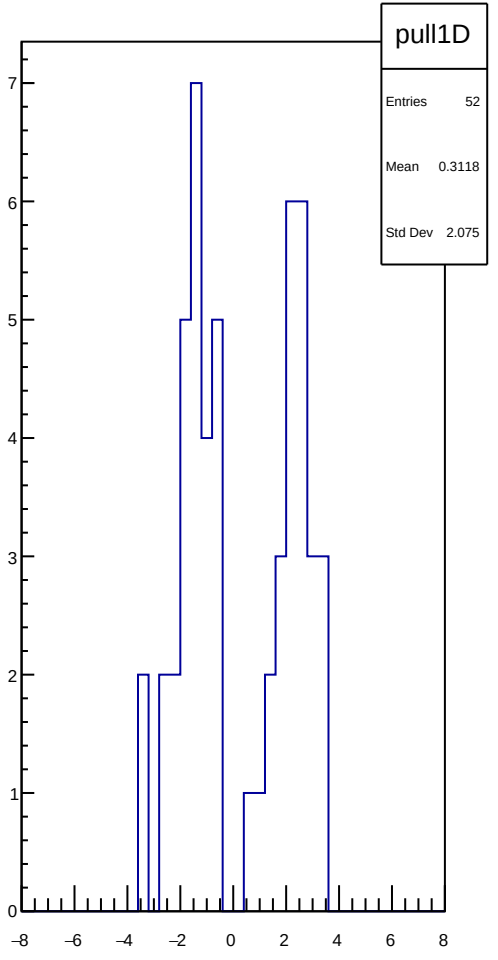

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 168.9 / 51
p0 −29.52 ± 1.475
pull
Entries 52
Mean 123.5
Std Dev 0

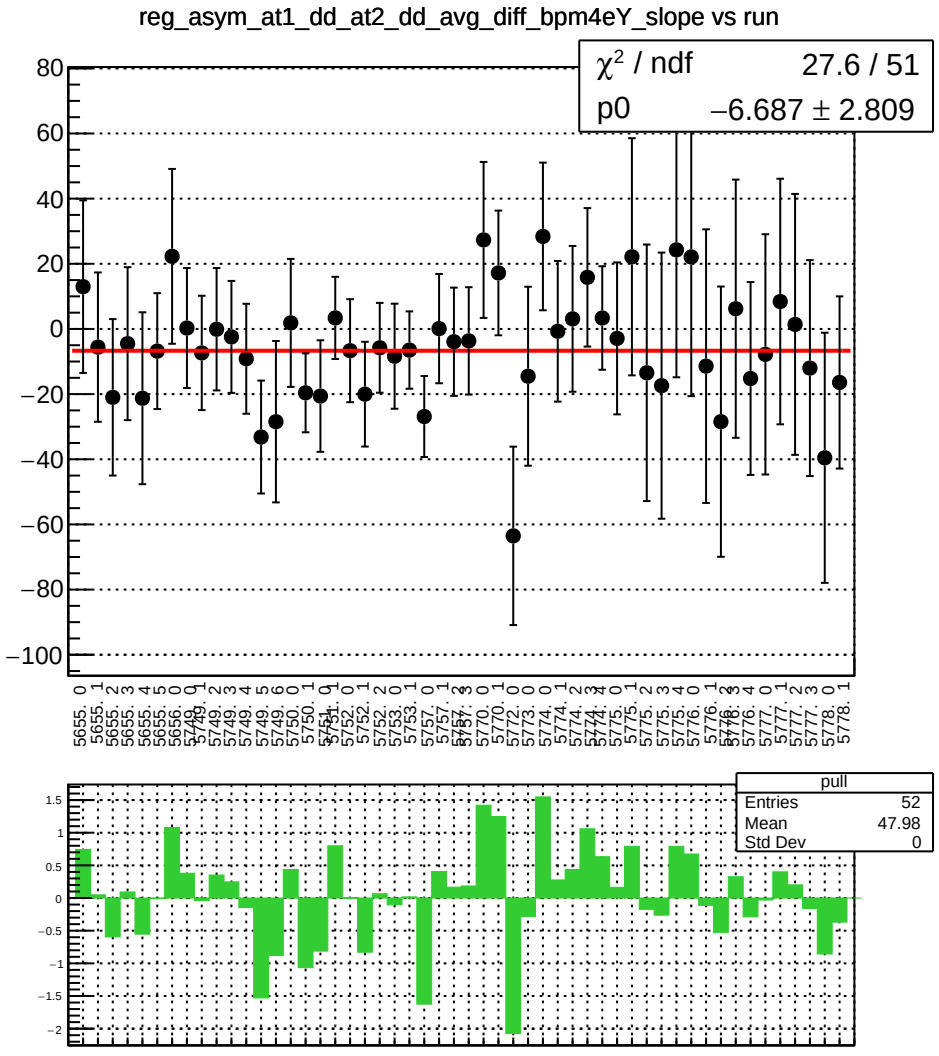

pull1D
Entries 52
Mean −0.2179
Std Dev 1.789

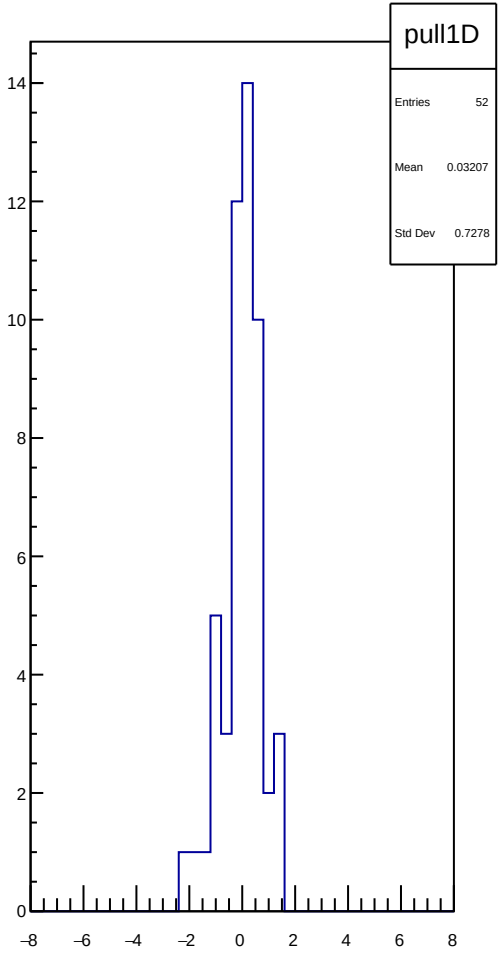

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 27.31 / 51
p0 9.731 ± 2.587
pull
Entries 52
Mean 71.66
Std Dev 0

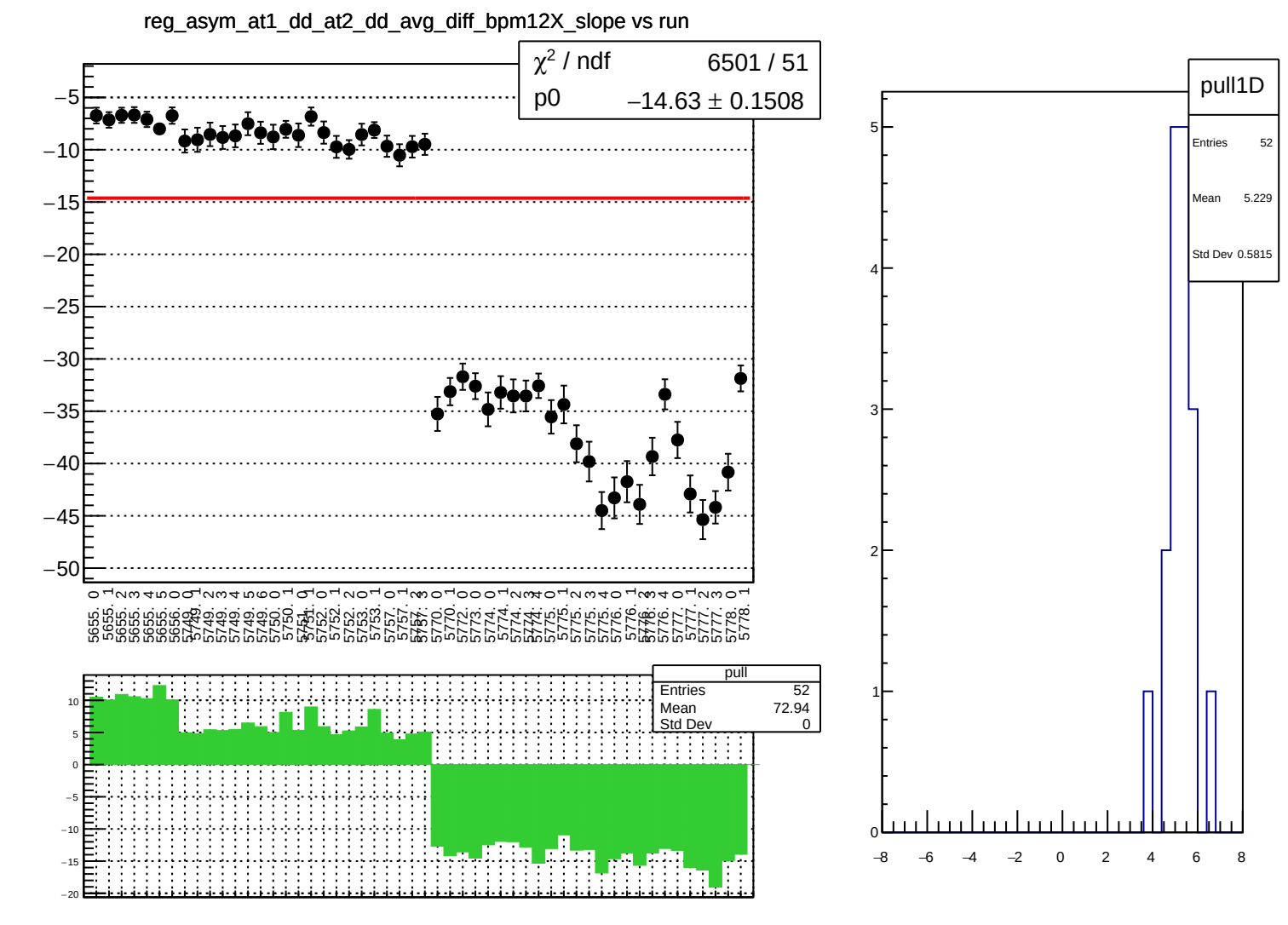

pull1D
Entries 52
Mean 0.06128
Std Dev 0.7222

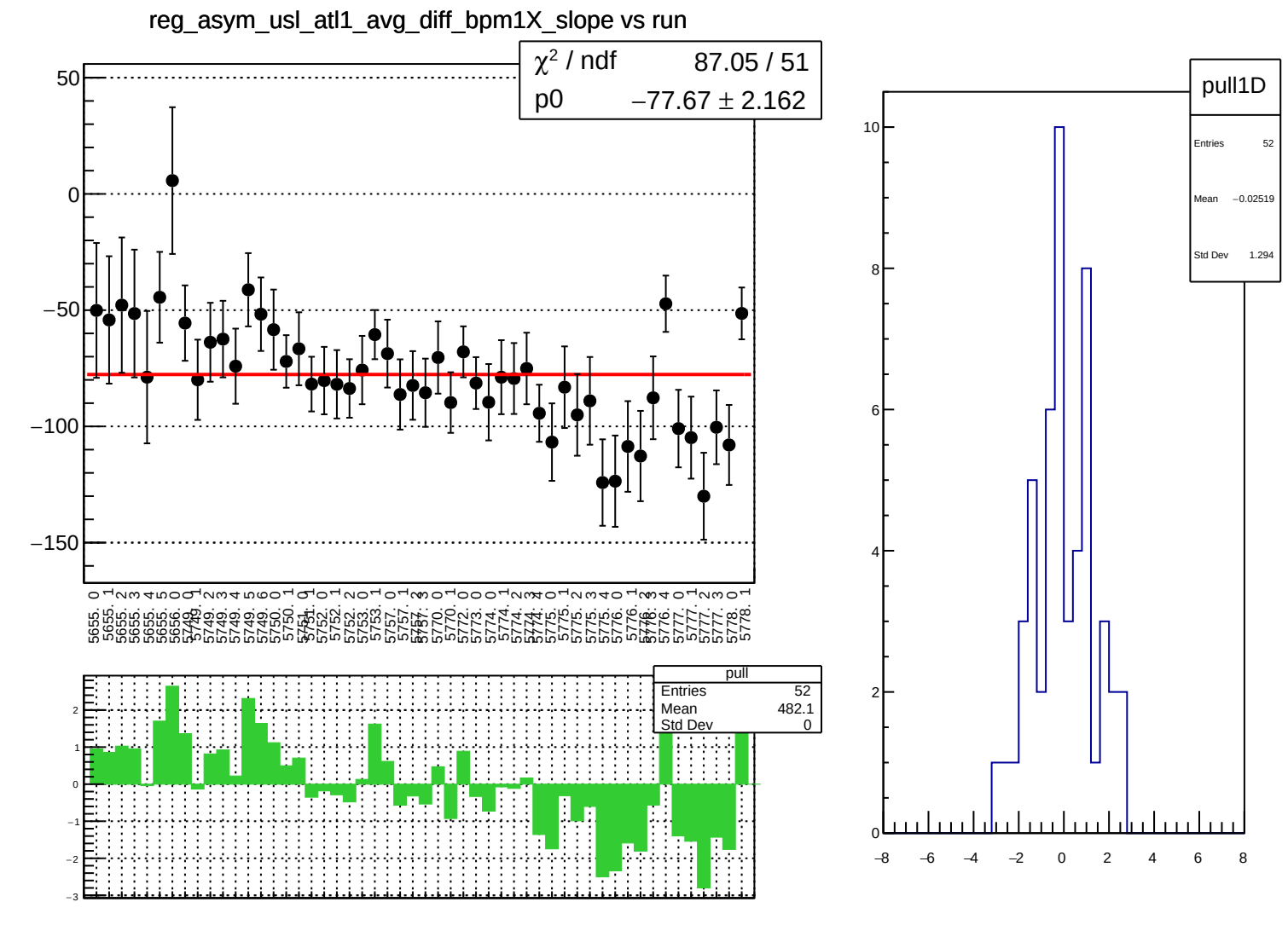

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 229 / 51
p0 111.4 ± 2.182
pull
Entries 52
Mean 111.1
Std Dev 0

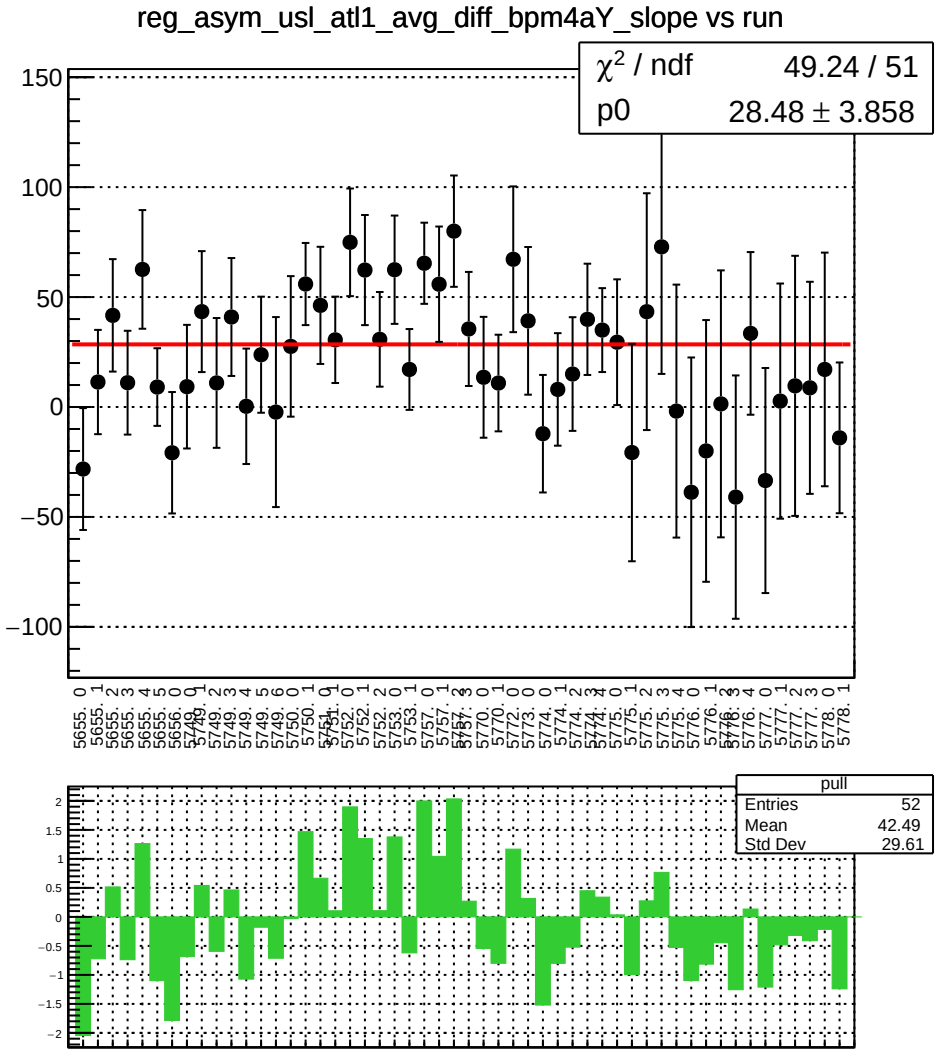

pull1D
Entries 52
Mean 0.3118
Std Dev 2.075

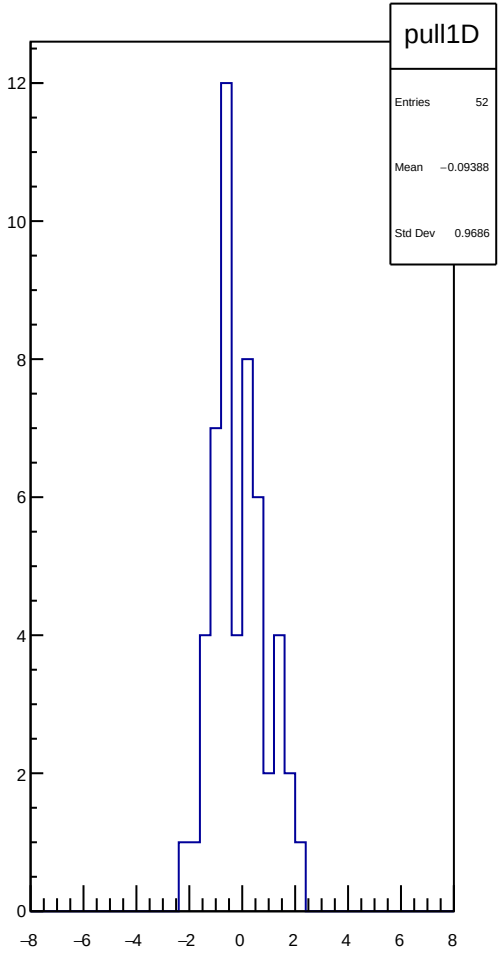

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 27.6 / 51
p0 −6.687 ± 2.809
pull
Entries 52
Mean 47.98
Std Dev 0

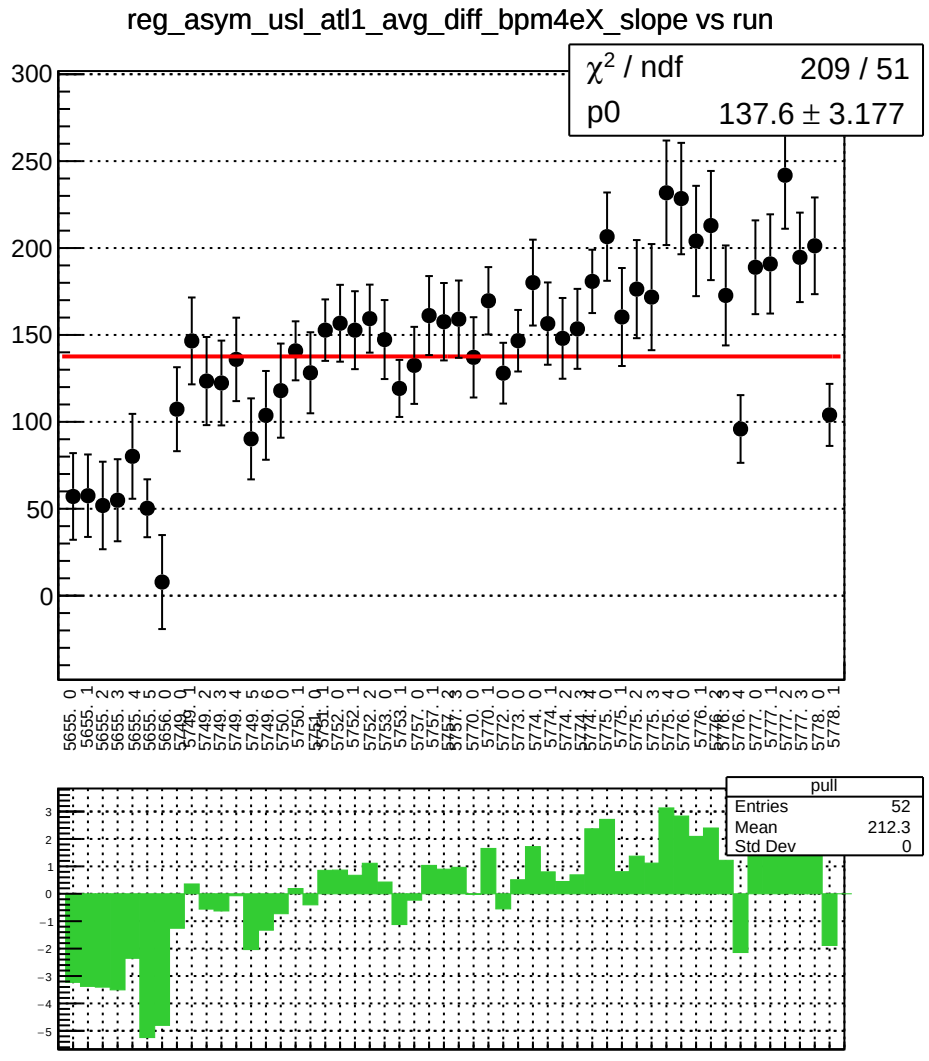

pull1D
Entries 52
Mean 0.03207
Std Dev 0.7278

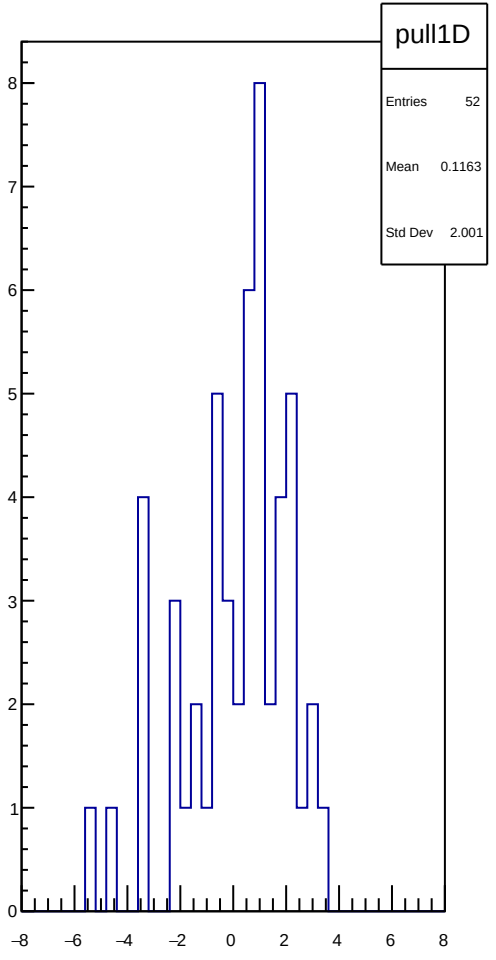

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 6501 / 51
p0 −14.63 ± 0.1508
pull
Entries 52
Mean 72.94
Std Dev 0
pull1D
Entries 52
Mean 5.229
Std Dev 0.5815

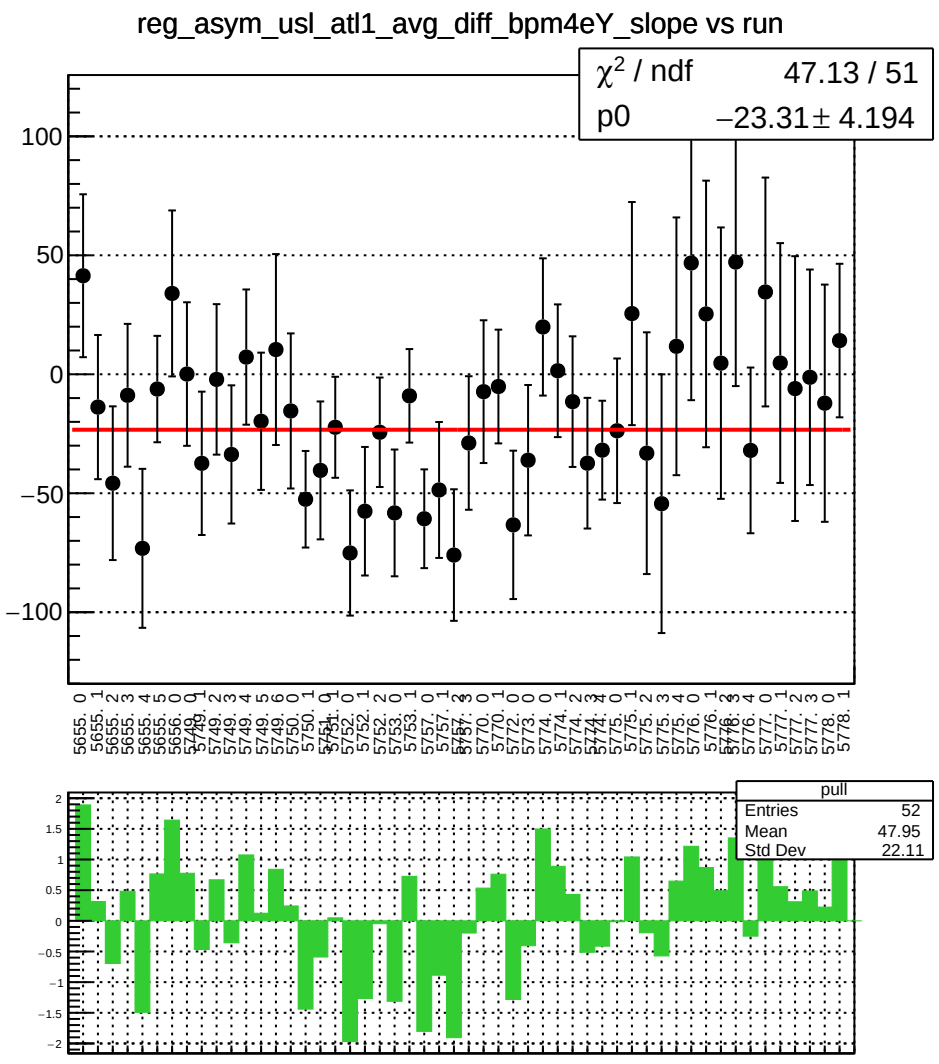

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs run
χ² / ndf 87.05 / 51
p0 −77.67 ± 2.162
pull
Entries 52
Mean 482.1
Std Dev 0
pull1D
Entries 52
Mean −0.02519
Std Dev 1.294

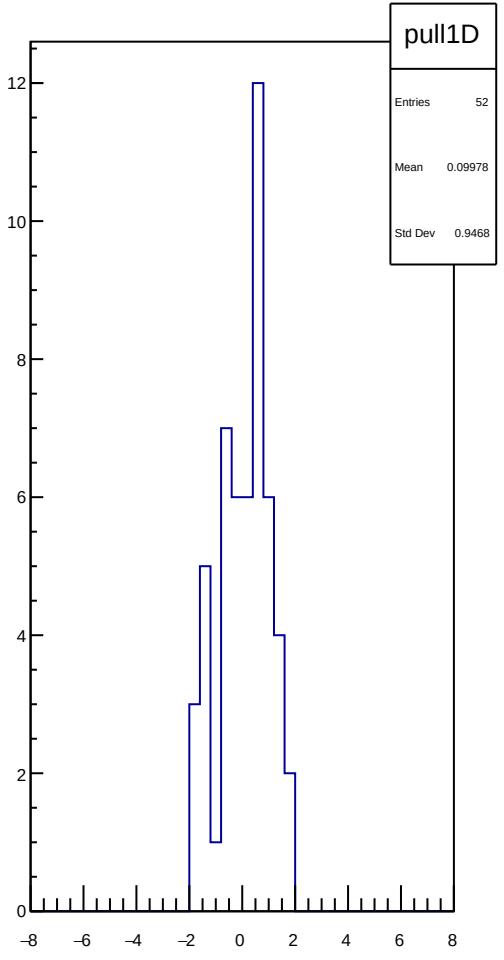

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs run
χ² / ndf 49.24 / 51
p0 28.48 ± 3.858
150
100
50
0
−50
−100
pull
Entries 52
Mean 42.49
Std Dev 29.61
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

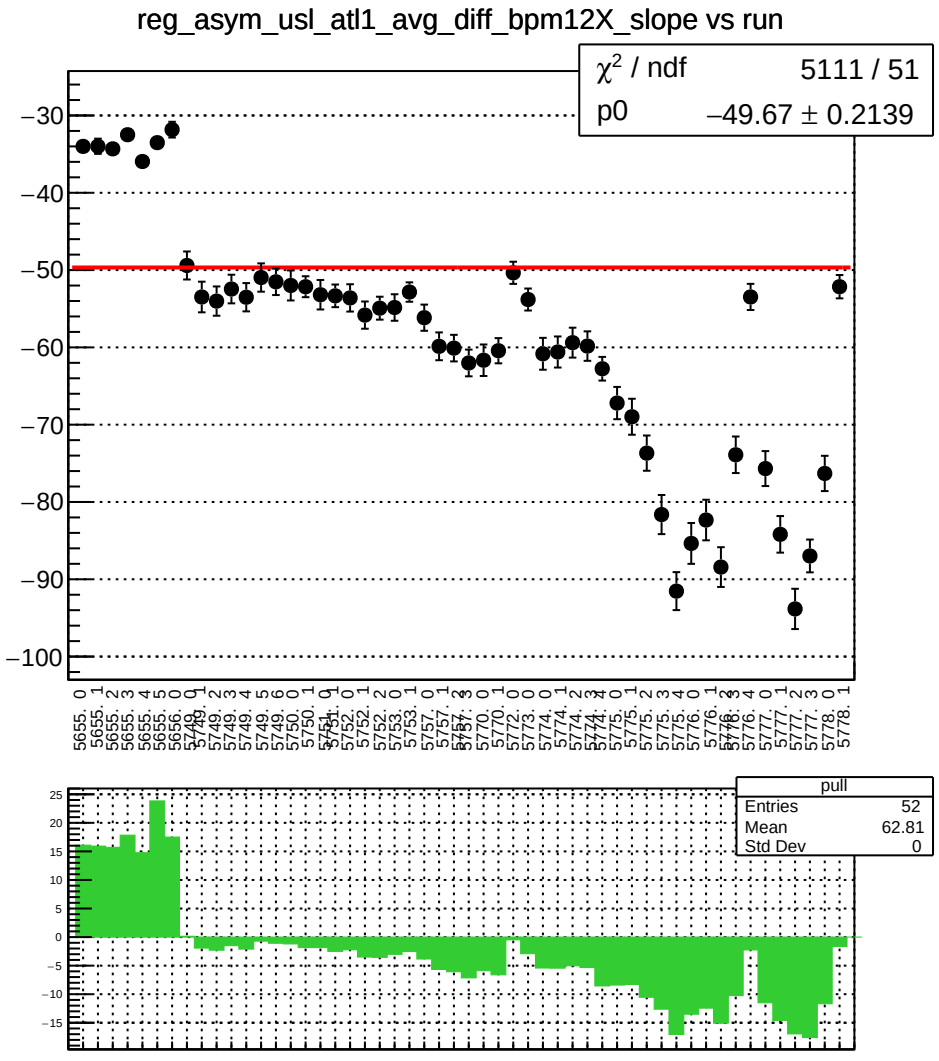

pull1D
Entries 52
Mean −0.09388
Std Dev 0.9686
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

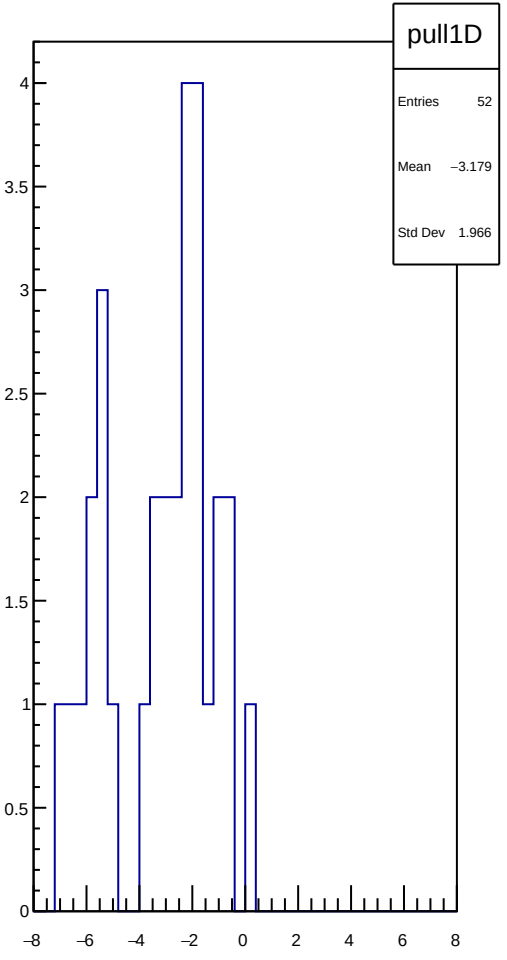

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs run
χ² / ndf 209 / 51
p0 137.6 ± 3.177
pull
Entries 52
Mean 212.3
Std Dev 0

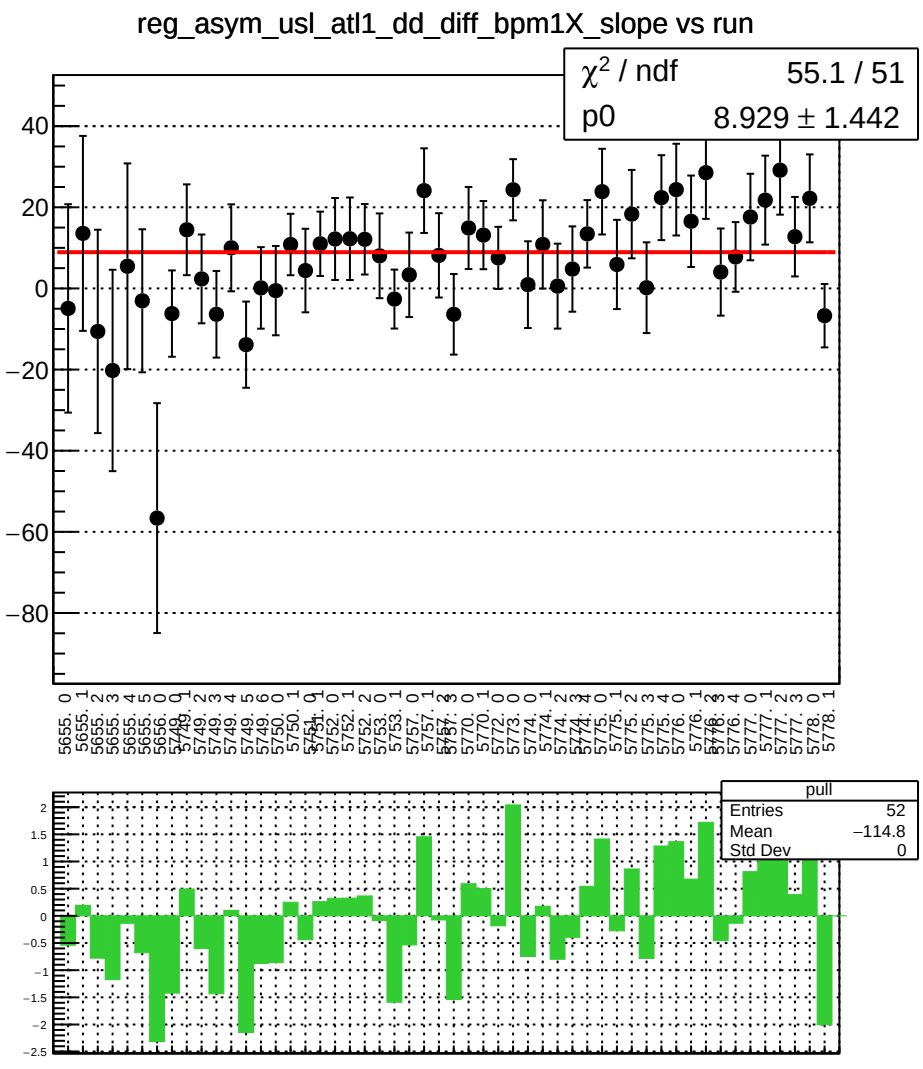

pull1D
Entries 52
Mean 0.1163
Std Dev 2.001

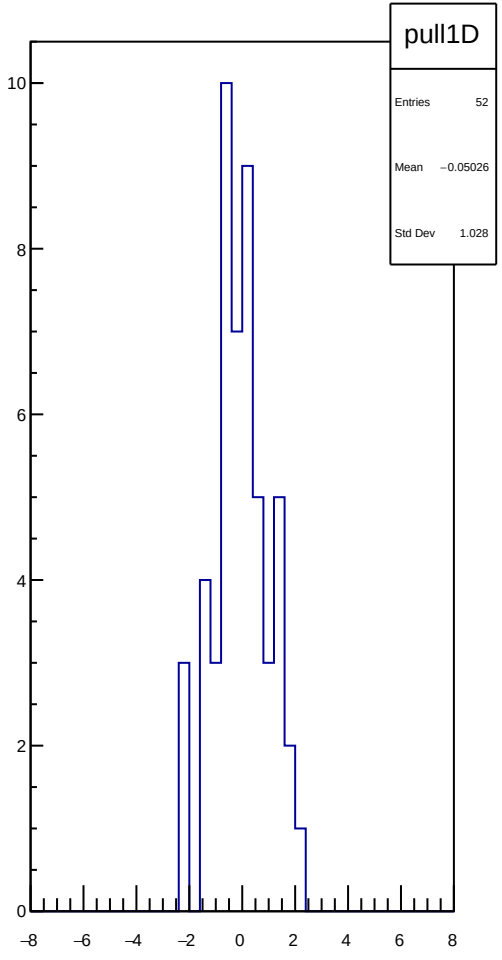

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs run
χ² / ndf 47.13 / 51
p0 −23.31 ± 4.194
pull
Entries 52
Mean 47.95
Std Dev 22.11

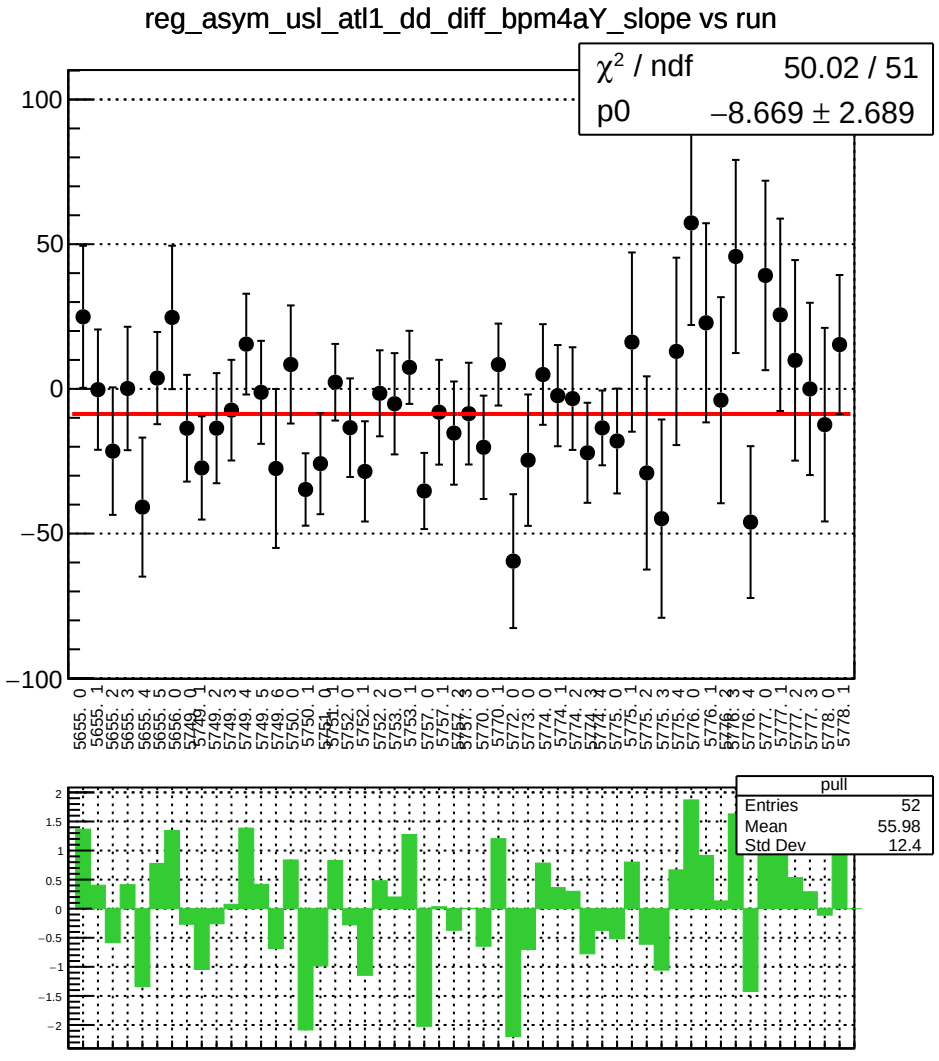

pull1D
Entries 52
Mean 0.09978
Std Dev 0.9468

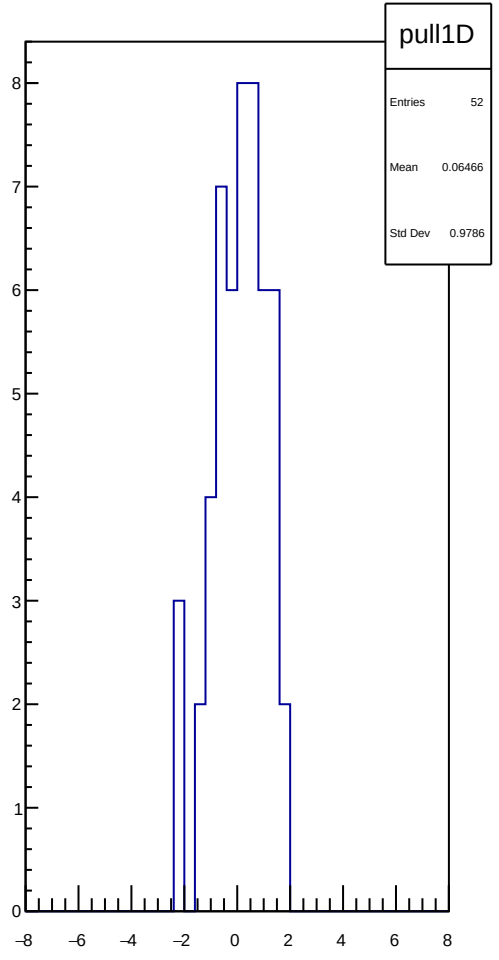

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs run
χ² / ndf 5111 / 51
p0 −49.67 ± 0.2139
pull
Entries 52
Mean 62.81
Std Dev 0

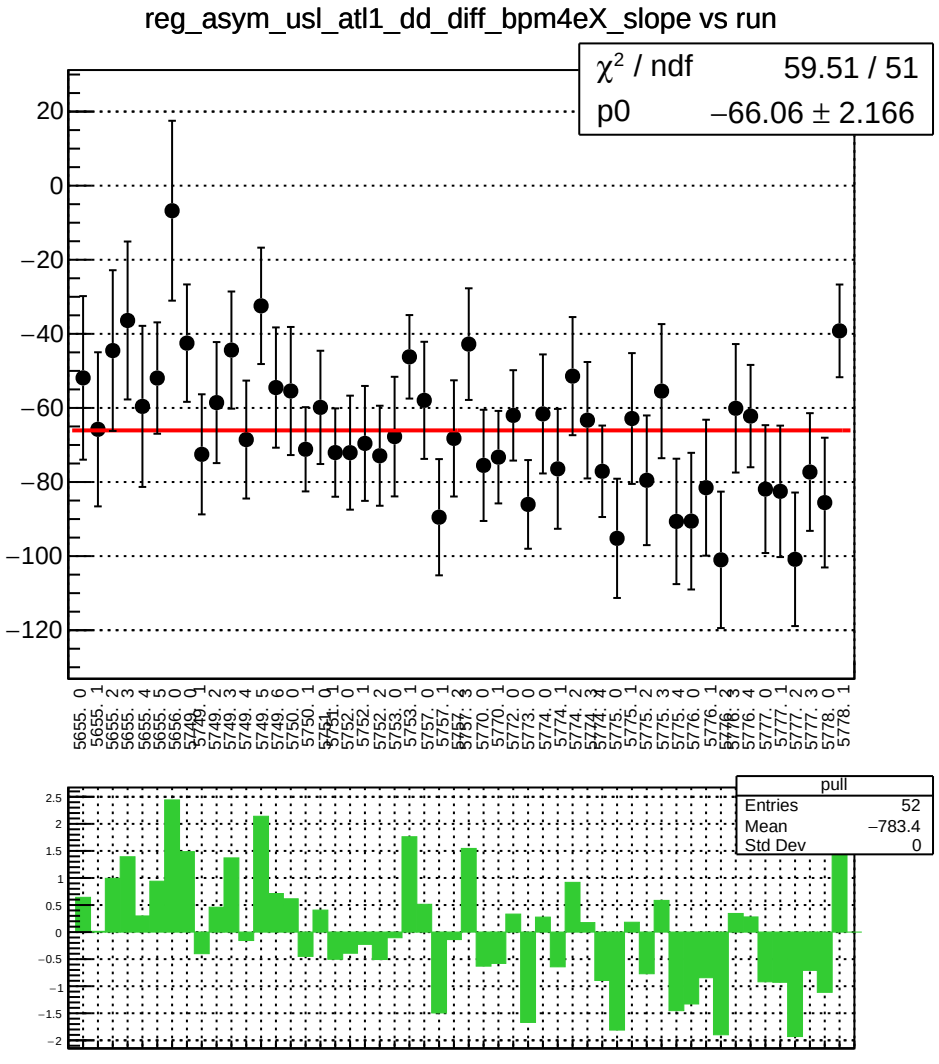

pull1D
Entries 52
Mean −3.179
Std Dev 1.966

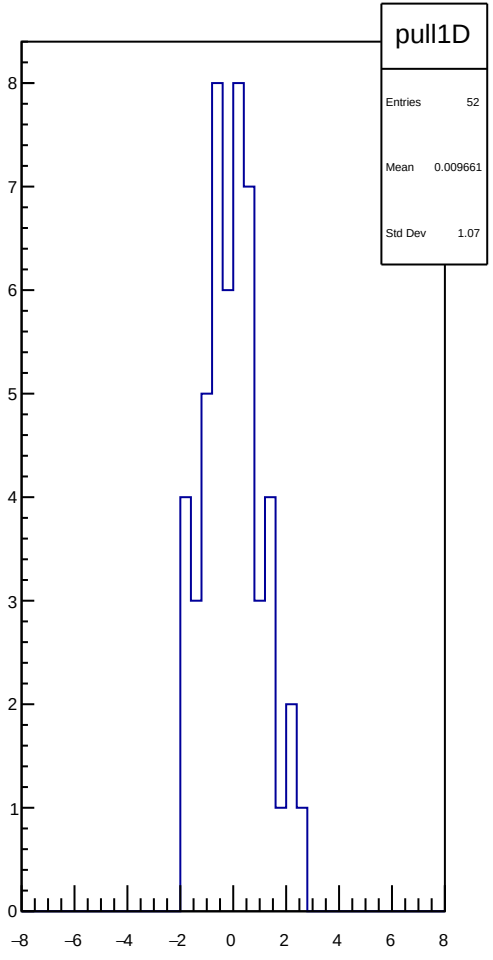

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs run
χ² / ndf 55.1 / 51
p0 8.929 ± 1.442
pull
Entries 52
Mean −114.8
Std Dev 0

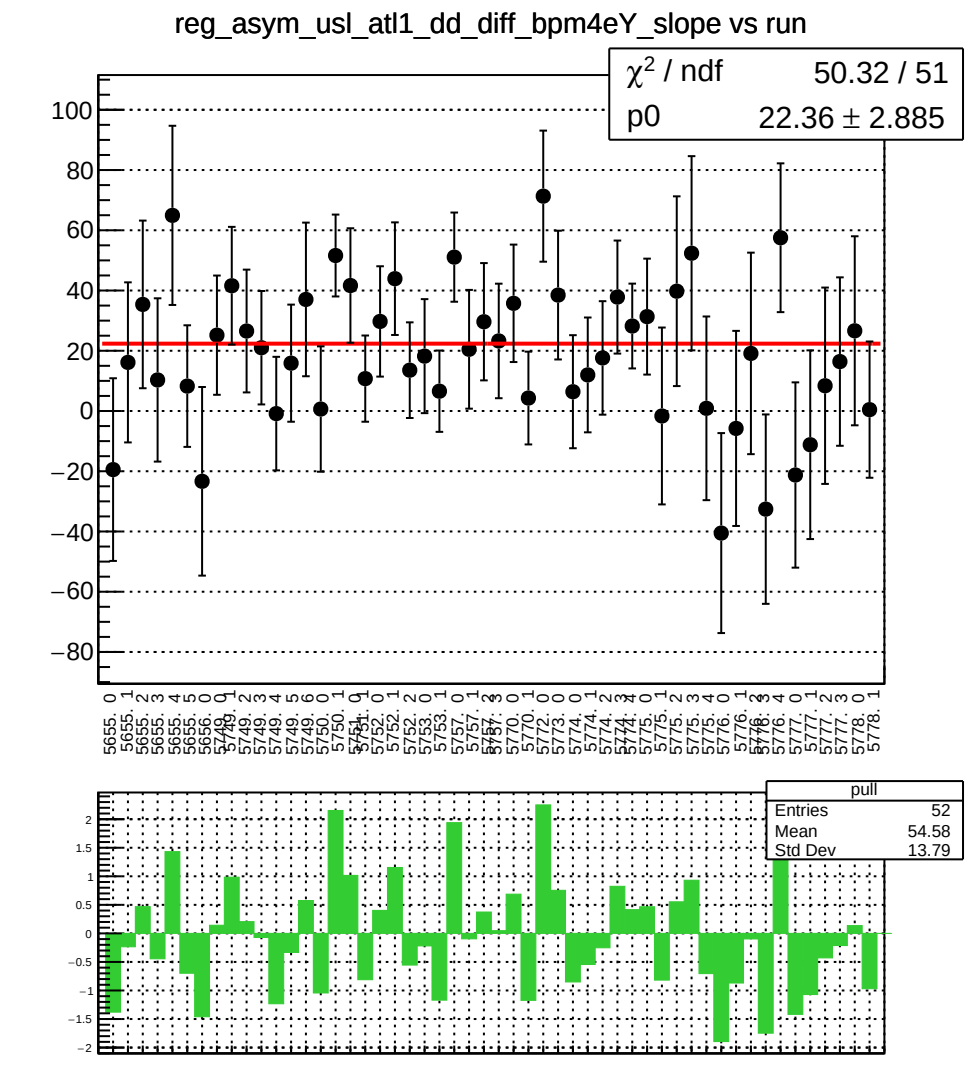

pull1D
Entries 52
Mean −0.05026
Std Dev 1.028

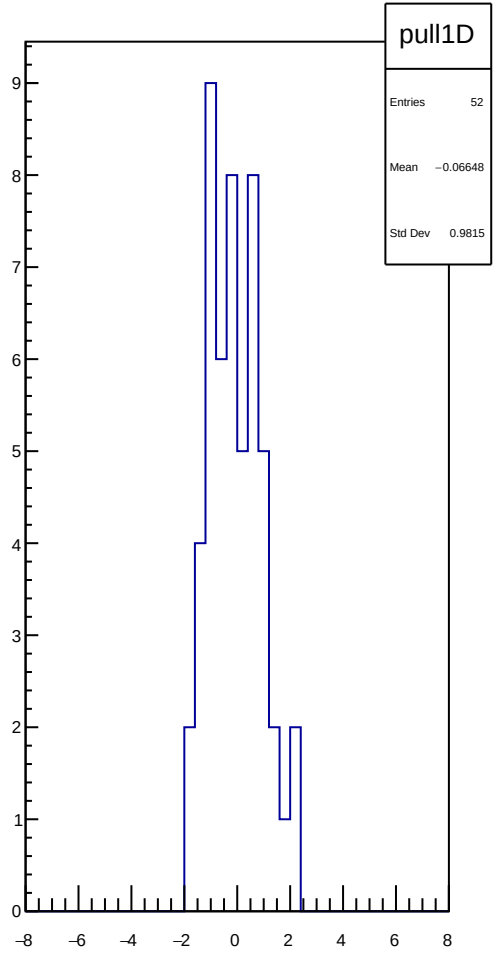

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs run
χ² / ndf 50.02 / 51
p0 −8.669 ± 2.689
100
50
0
−50
−100
pull
Entries 52
Mean 55.98
Std Dev 12.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

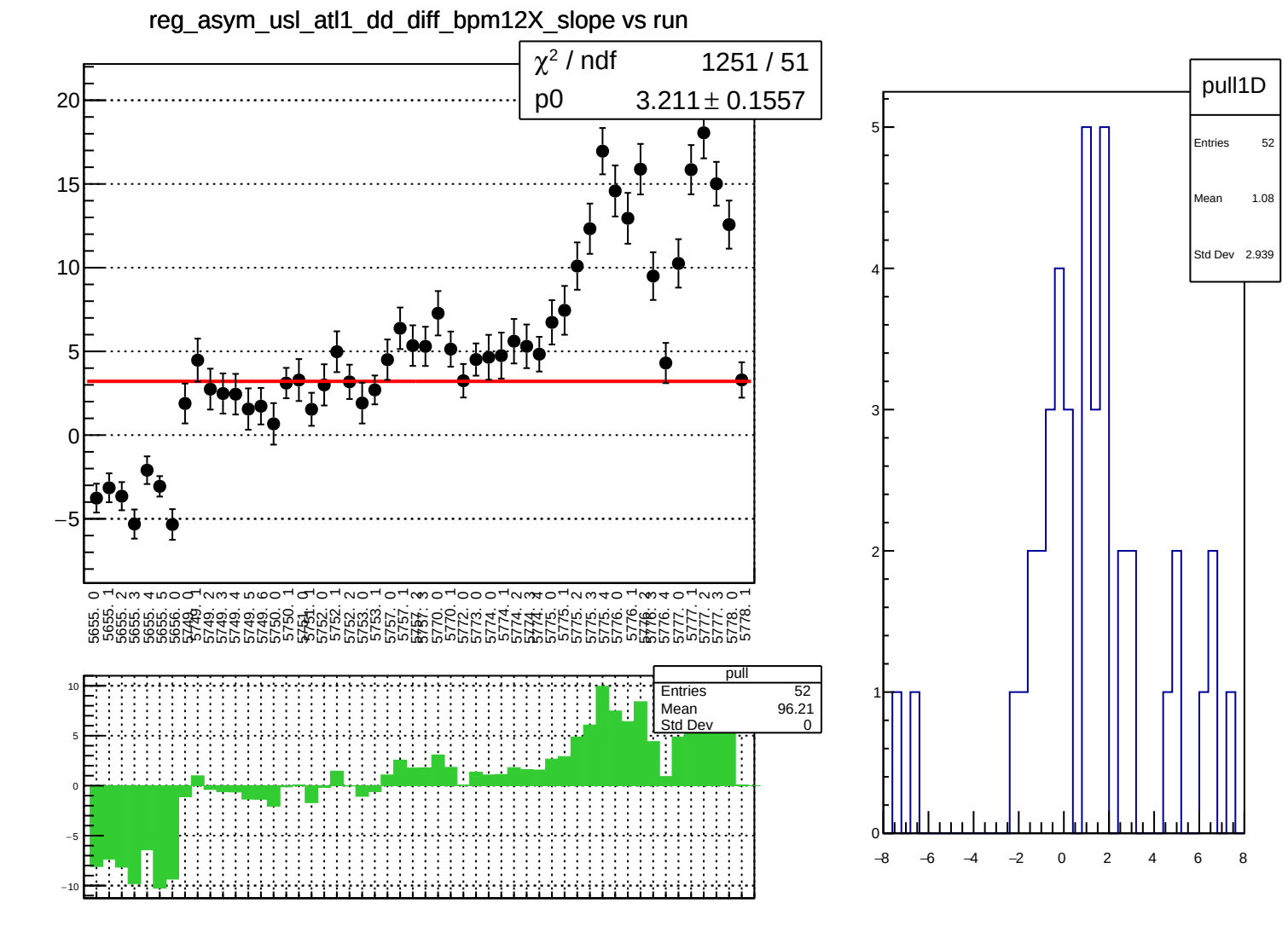

pull1D
Entries 52
Mean 0.06466
Std Dev 0.9786
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

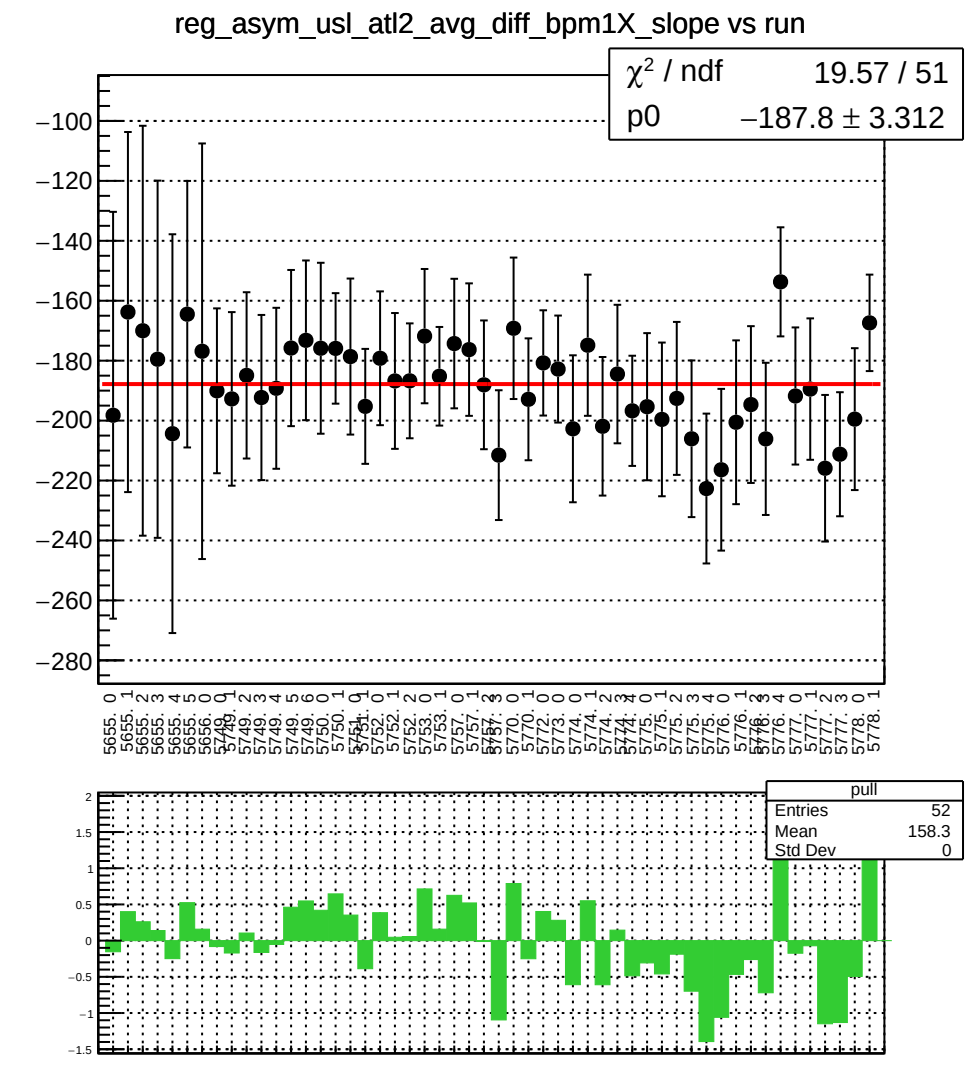

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs run
χ² / ndf 59.51 / 51
p0 −66.06 ± 2.166
pull
Entries 52
Mean −783.4
Std Dev 0

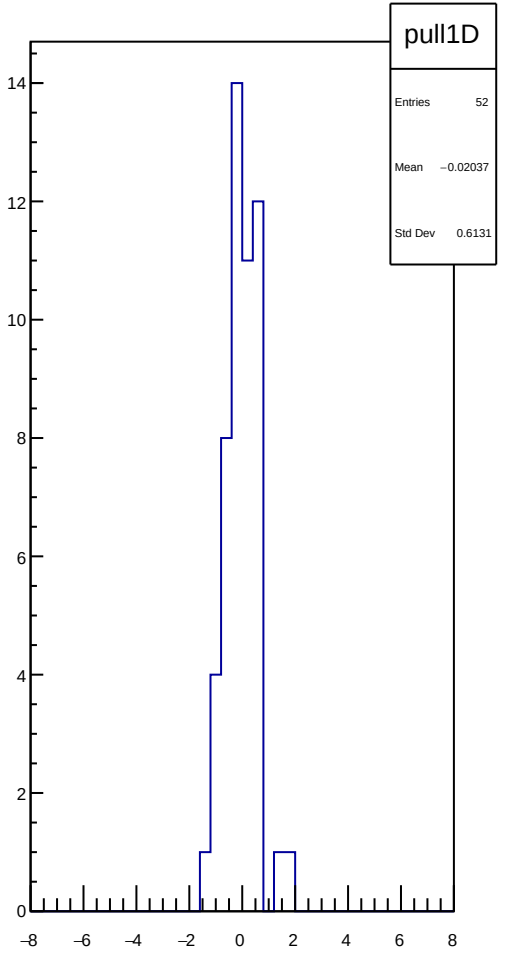

pull1D
Entries 52
Mean 0.009661
Std Dev 1.07

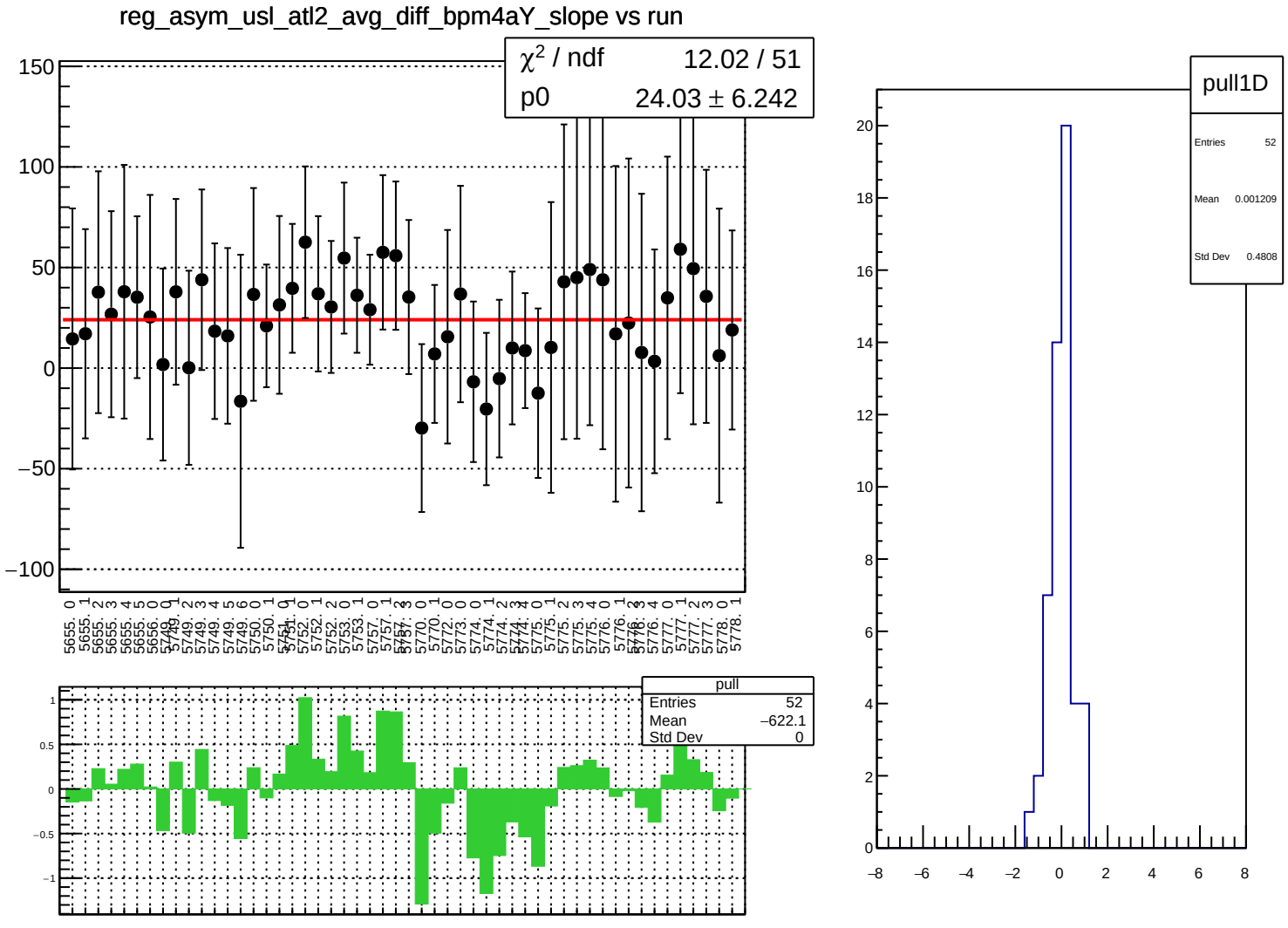

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs run
χ² / ndf 50.32 / 51
p0 22.36 ± 2.885
pull
Entries 52
Mean 54.58
Std Dev 13.79

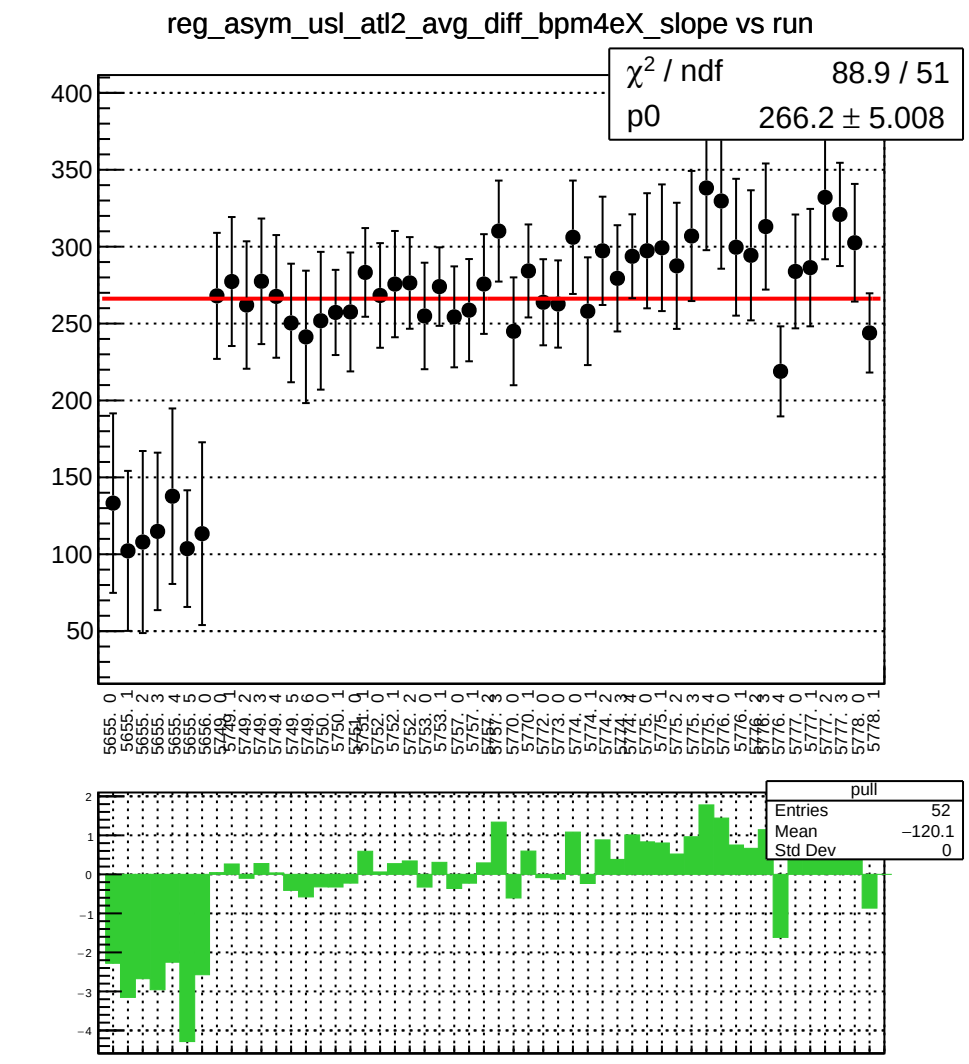

pull1D
Entries 52
Mean −0.06648
Std Dev 0.9815

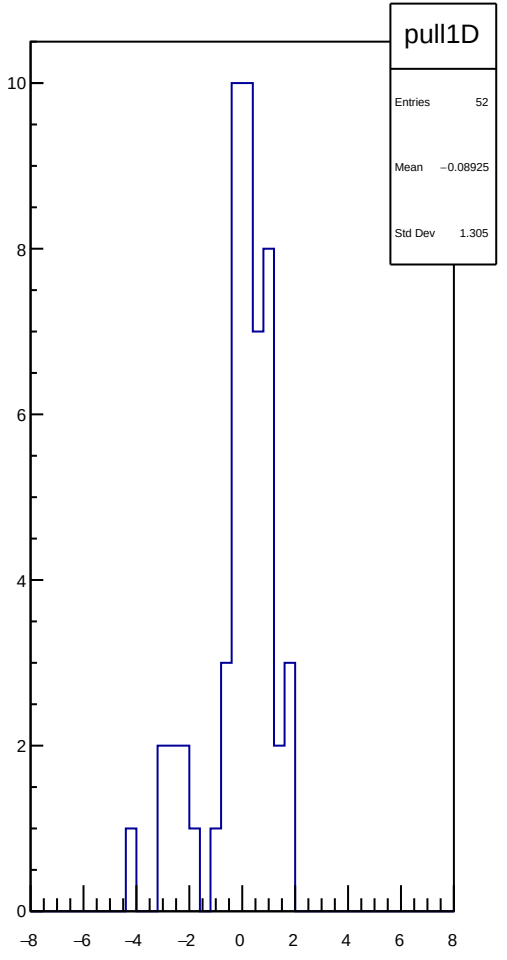

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs run
χ² / ndf 1251 / 51
p0 3.211 ± 0.1557
pull
Entries 52
Mean 96.21
Std Dev 0
pull1D
Entries 52
Mean 1.08
Std Dev 2.939

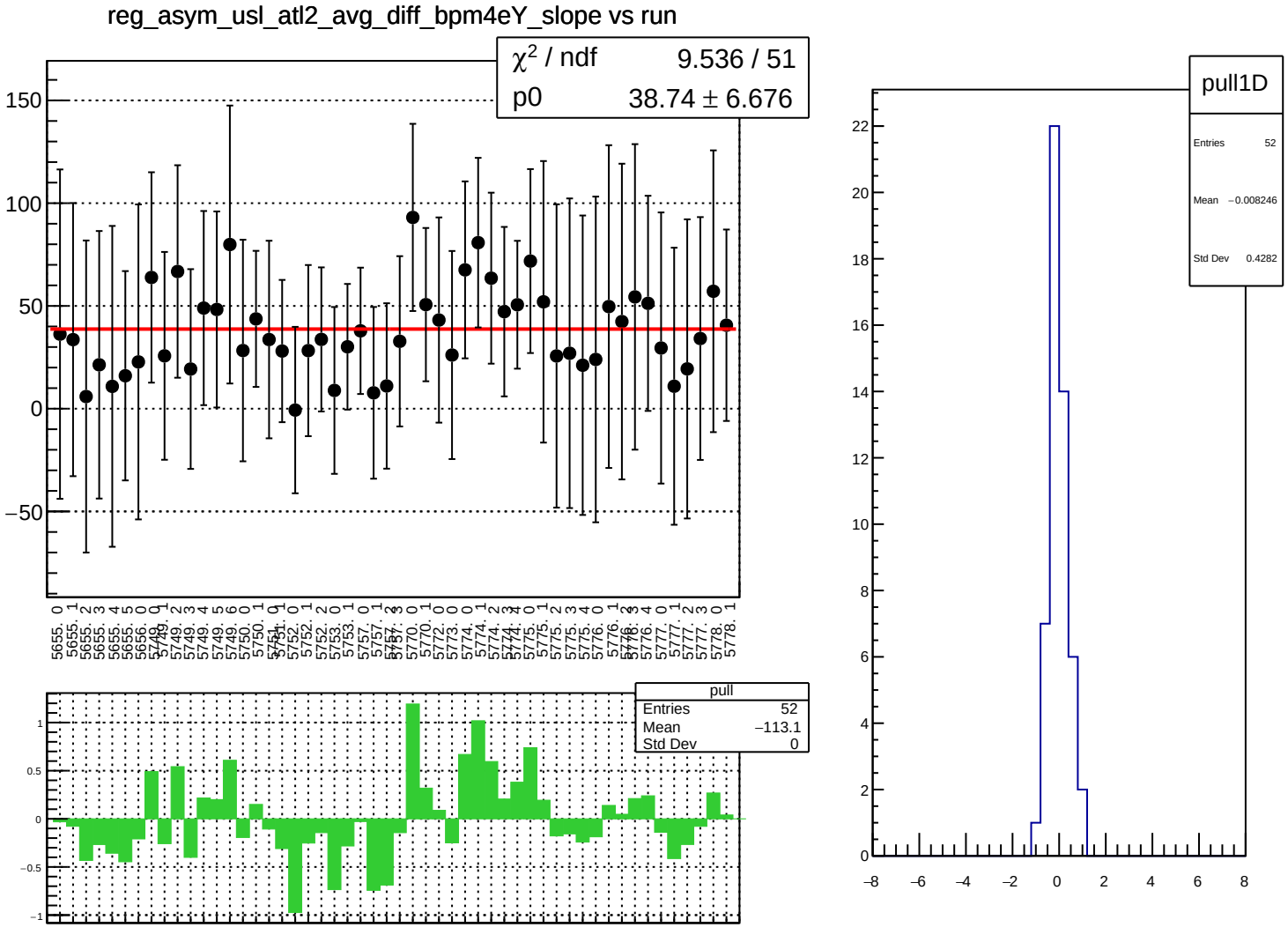

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs run
χ² / ndf 19.57 / 51
p0 −187.8 ± 3.312
pull
Entries 52
Mean 158.3
Std Dev 0

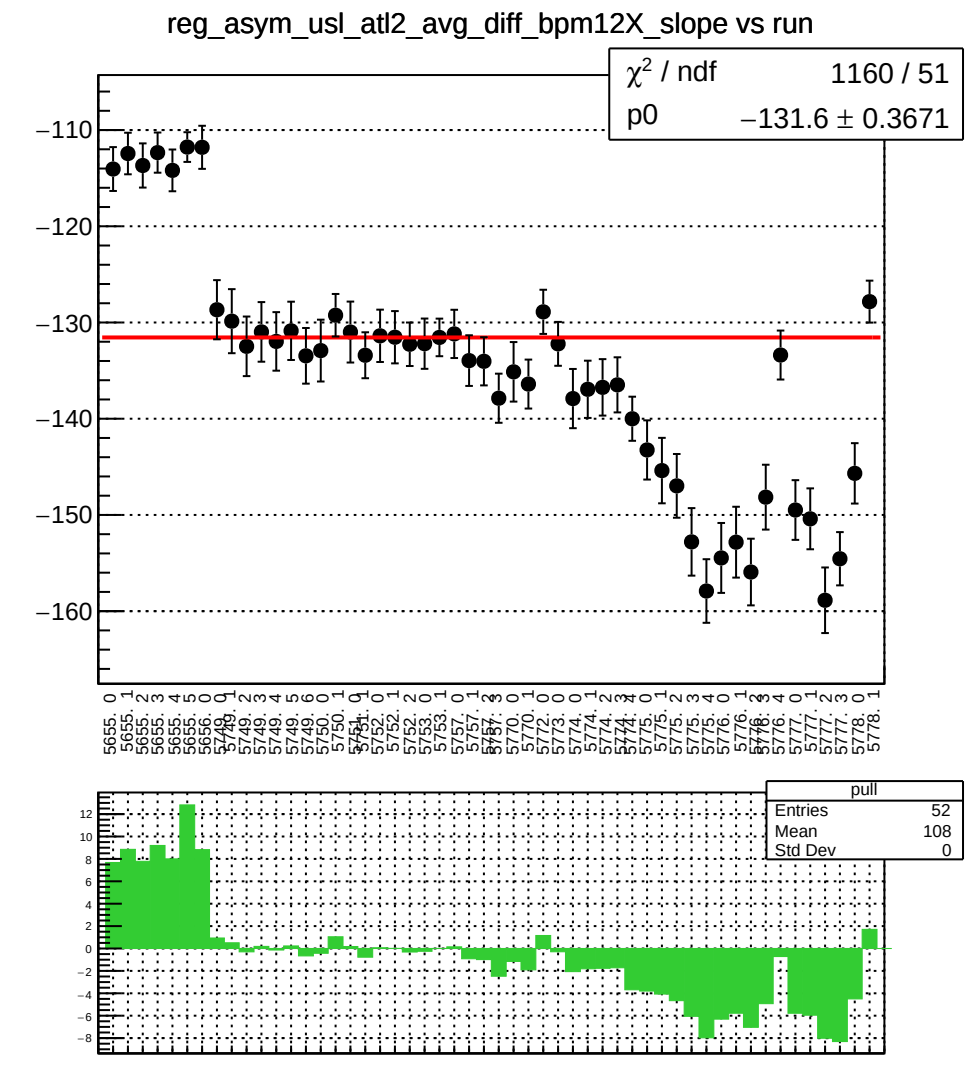

pull1D
Entries 52
Mean −0.02037
Std Dev 0.6131

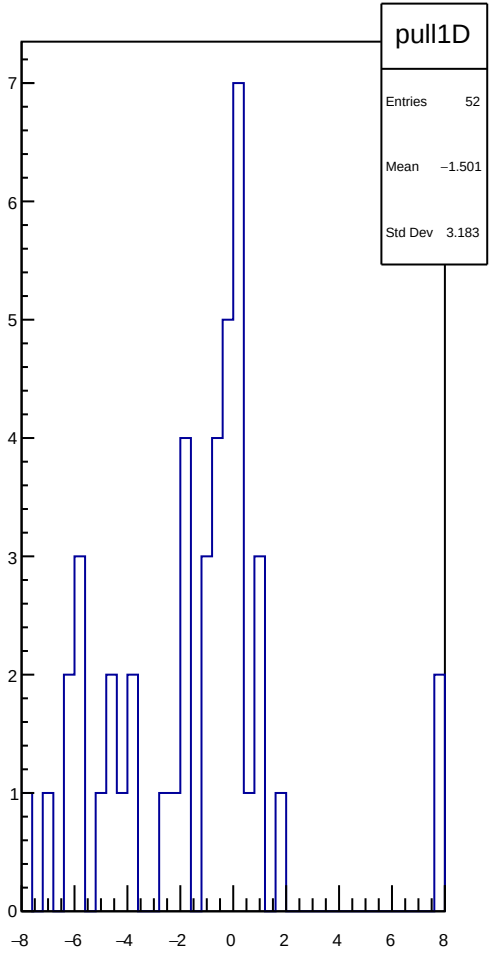

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.02 / 51
p0 24.03 ± 6.242
150
100
50
0
−50
−100
pull
Entries 52
Mean −622.1
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 52
Mean 0.001209
Std Dev 0.4808
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

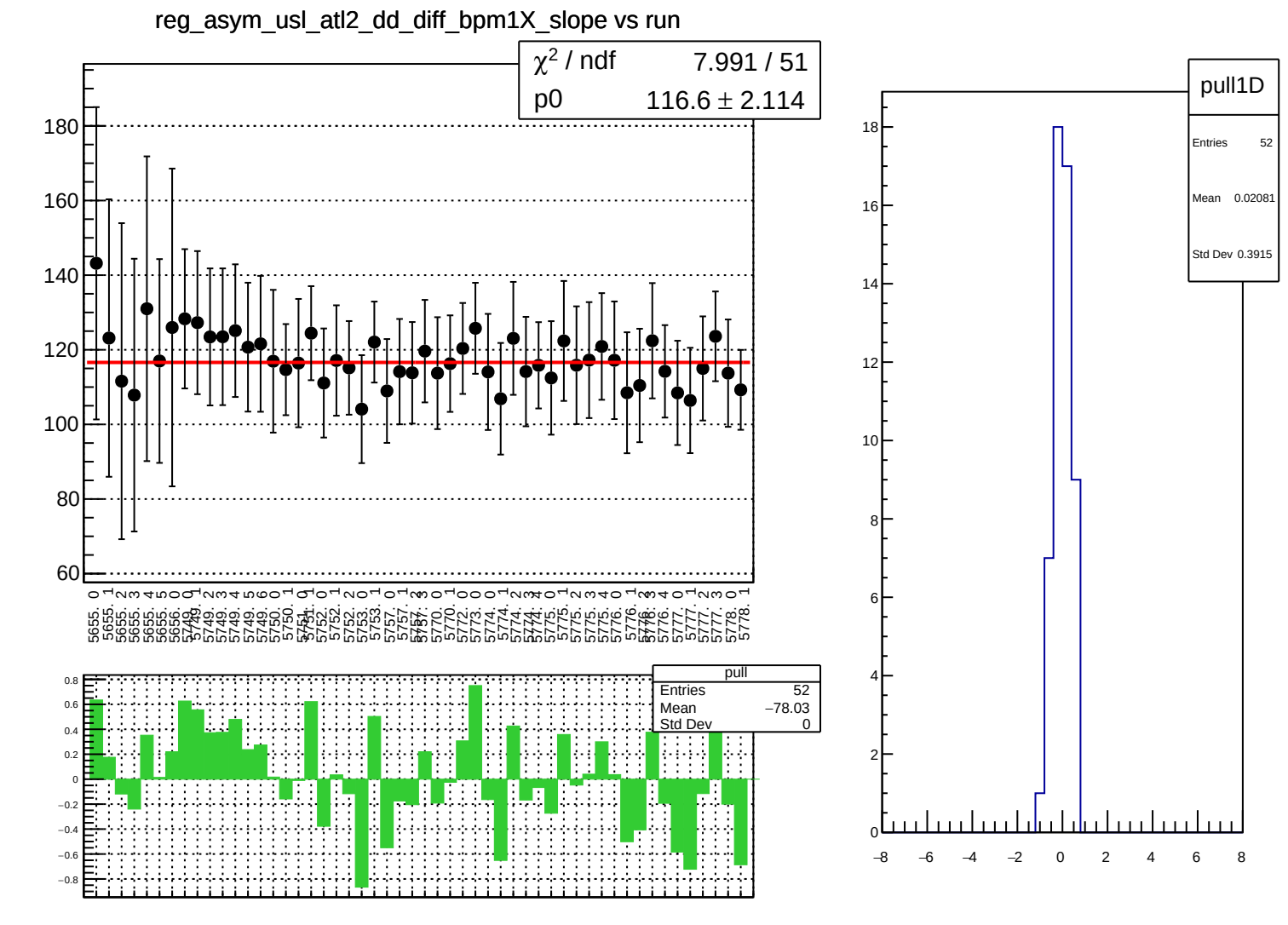

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs run
χ² / ndf 88.9 / 51
p0 266.2 ± 5.008
pull
Entries 52
Mean −120.1
Std Dev 0

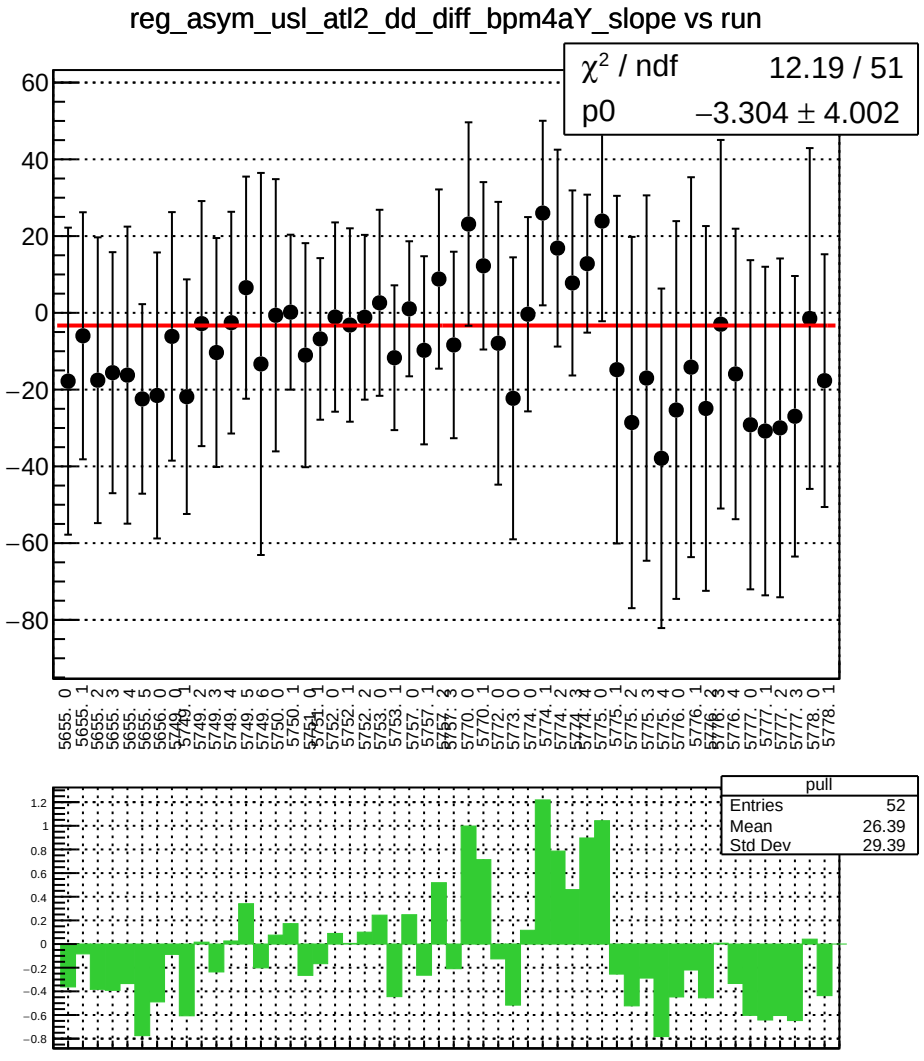

pull1D
Entries 52
Mean −0.08925
Std Dev 1.305

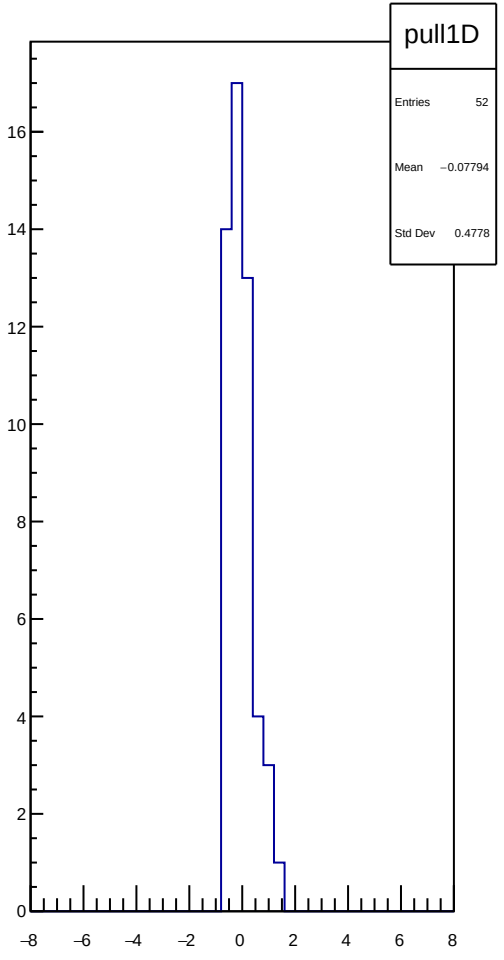

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.536 / 51
p0 38.74 ± 6.676
150
100
50
0
−50
pull
Entries 52
Mean −113.1
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 52
Mean −0.008246
Std Dev 0.4282
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

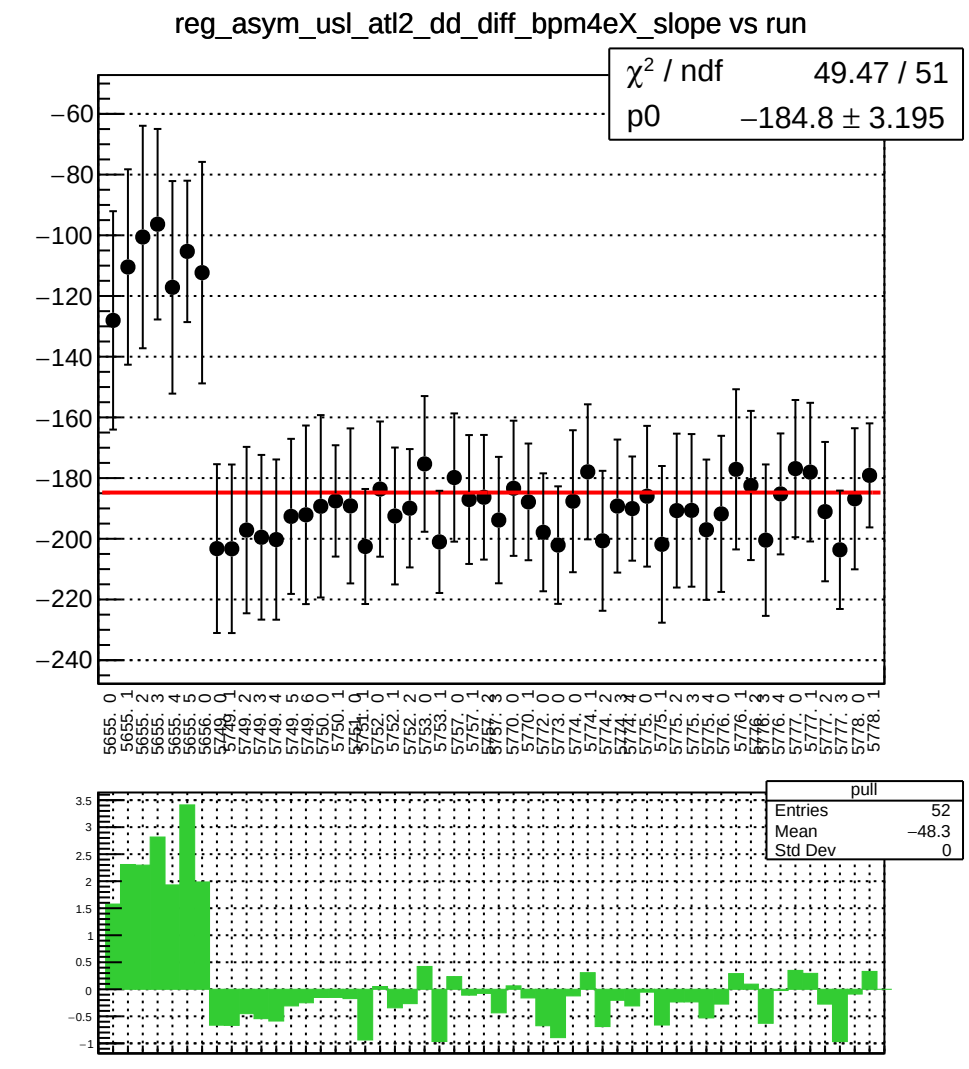

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs run
χ² / ndf 1160 / 51
p0 −131.6 ± 0.3671
pull
Entries 52
Mean 108
Std Dev 0

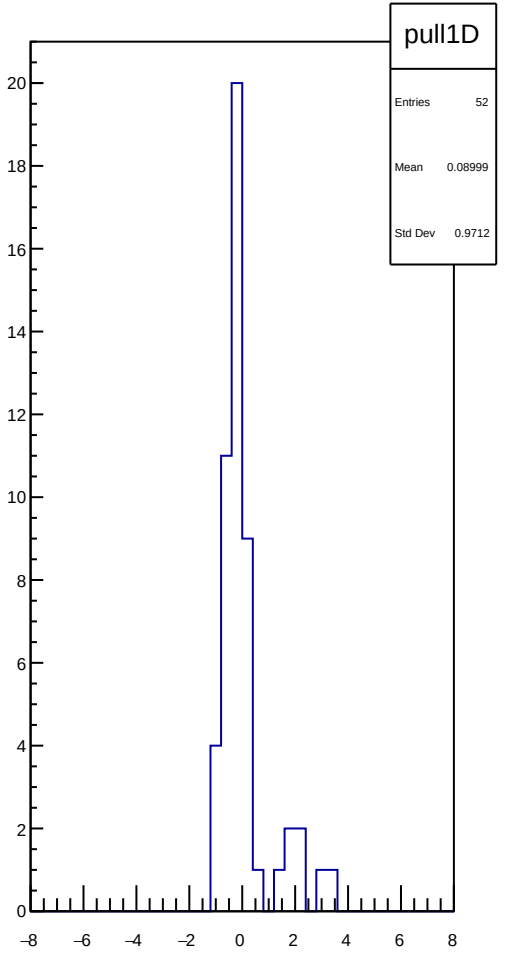

pull1D
Entries 52
Mean −1.501
Std Dev 3.183

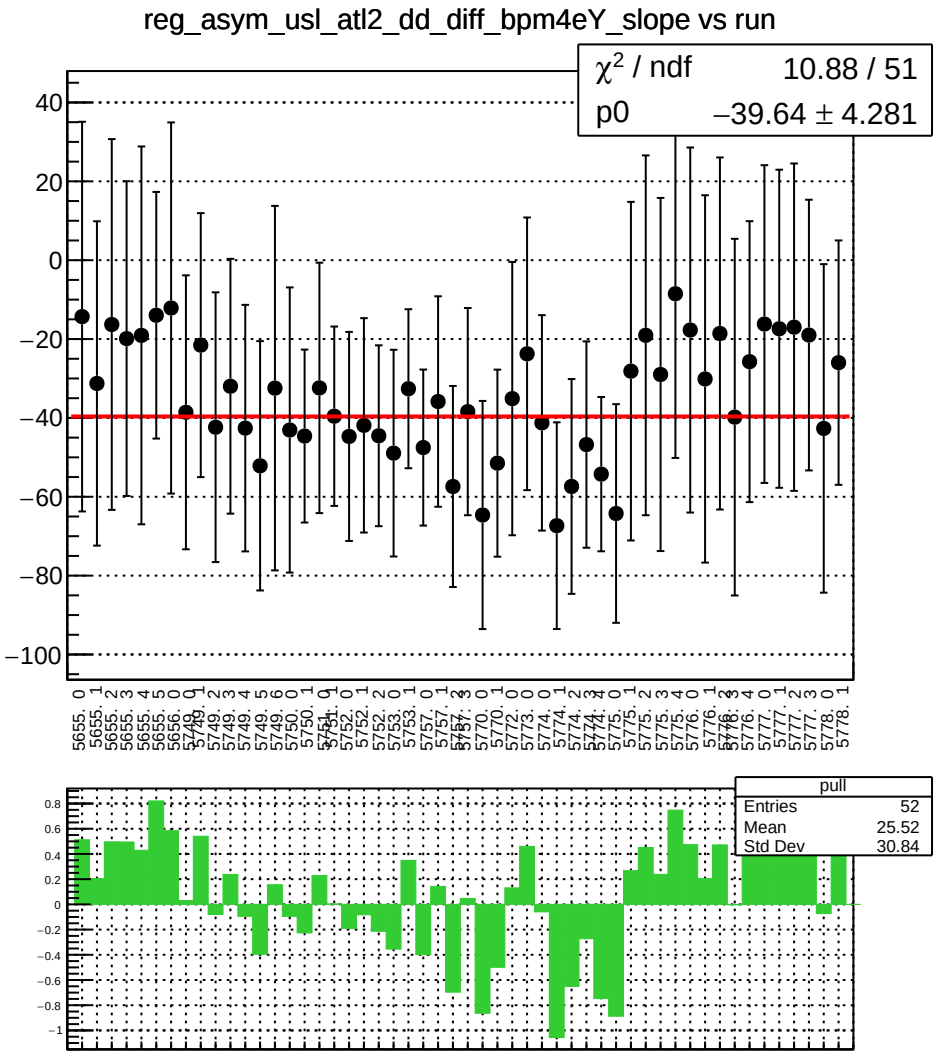

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs run
χ² / ndf 7.991 / 51
p0 116.6 ± 2.114
pull
Entries 52
Mean −78.03
Std Dev 0
pull1D
Entries 52
Mean 0.02081
Std Dev 0.3915

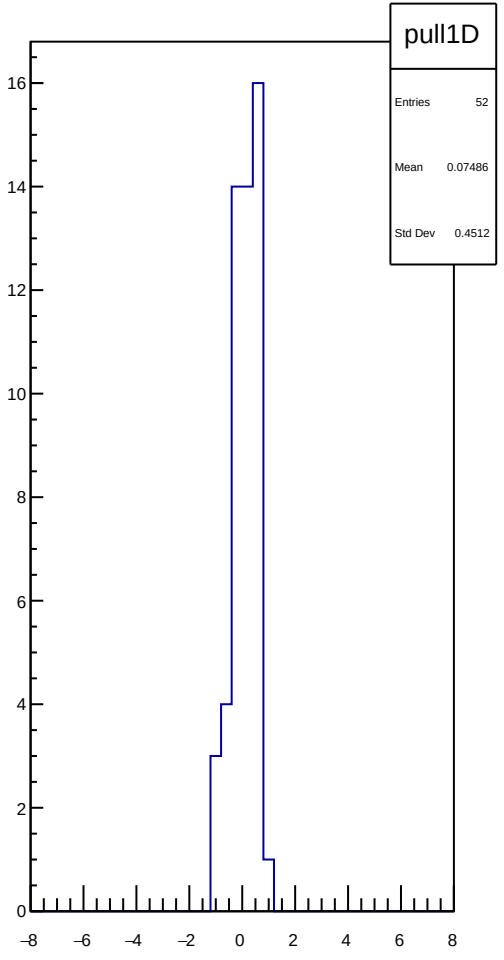

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.19 / 51
p0 −3.304 ± 4.002
pull
Entries 52
Mean 26.39
Std Dev 29.39

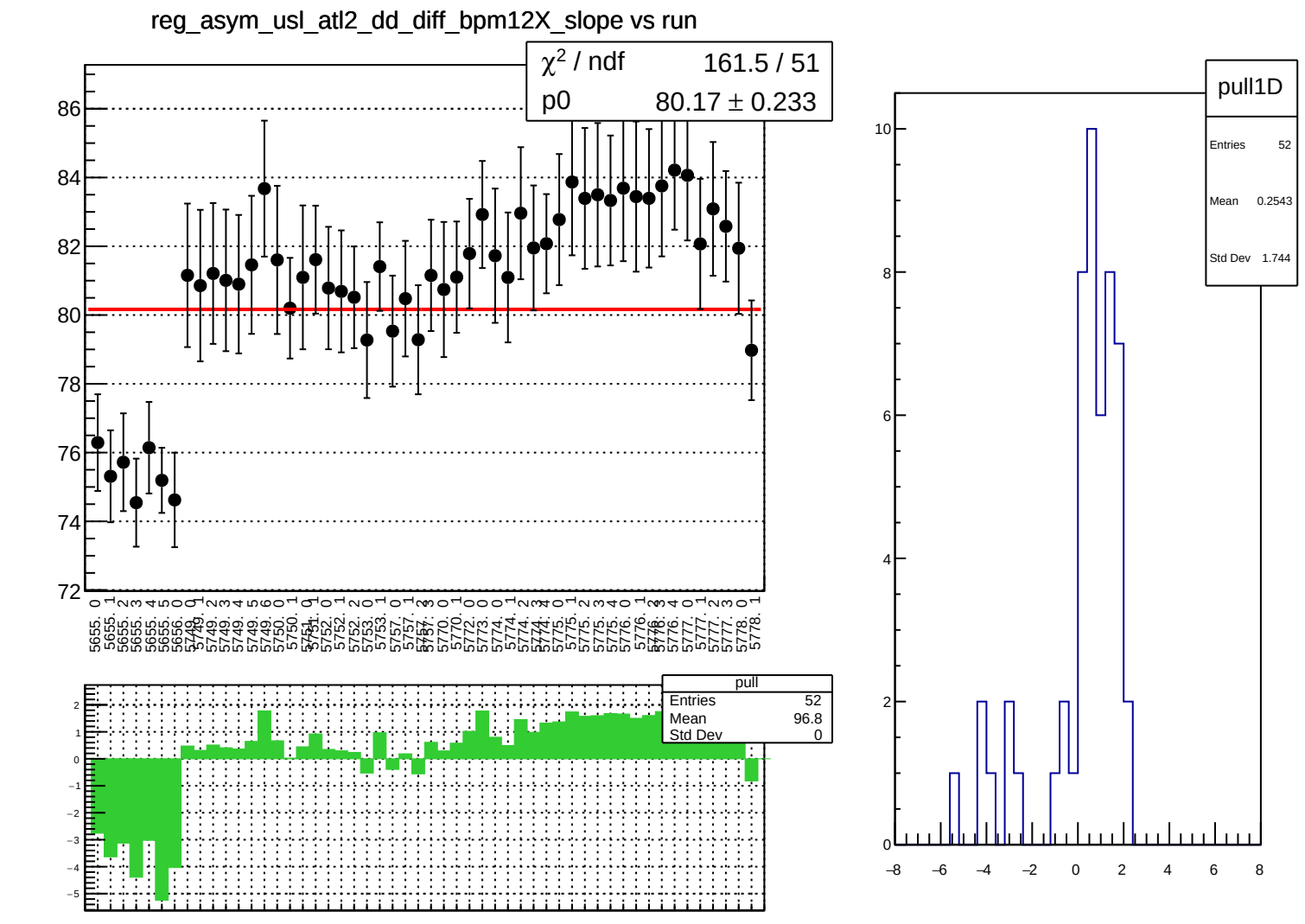

pull1D
Entries 52
Mean −0.07794
Std Dev 0.4778

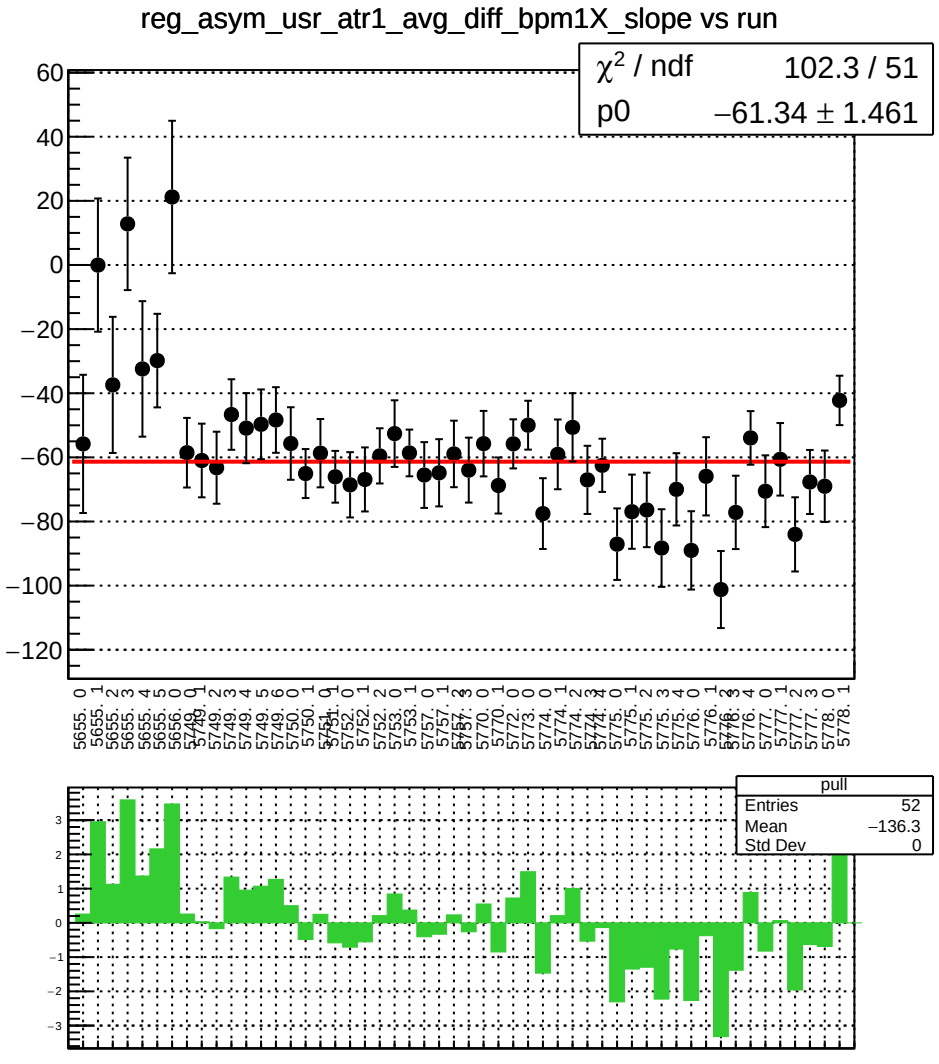

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs run
χ² / ndf 49.47 / 51
p0 −184.8 ± 3.195
pull
Entries 52
Mean −48.3
Std Dev 0

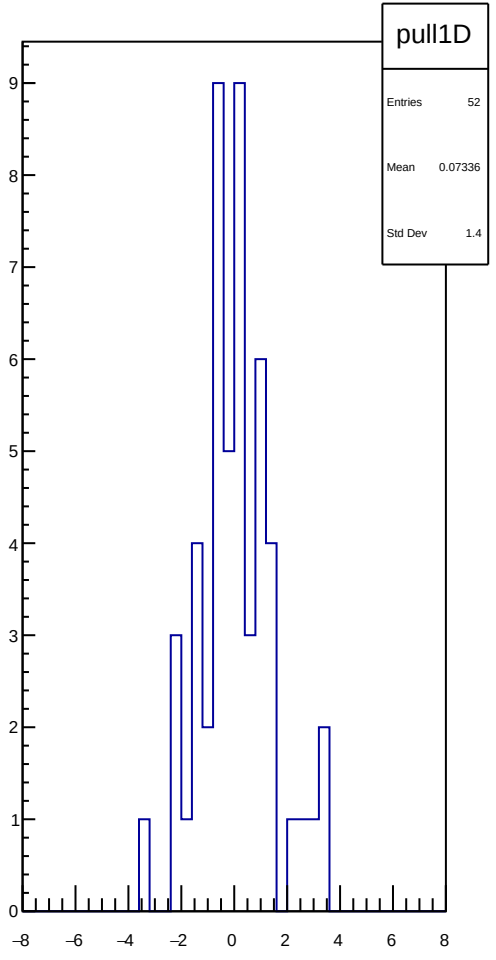

pull1D
Entries 52
Mean 0.08999
Std Dev 0.9712

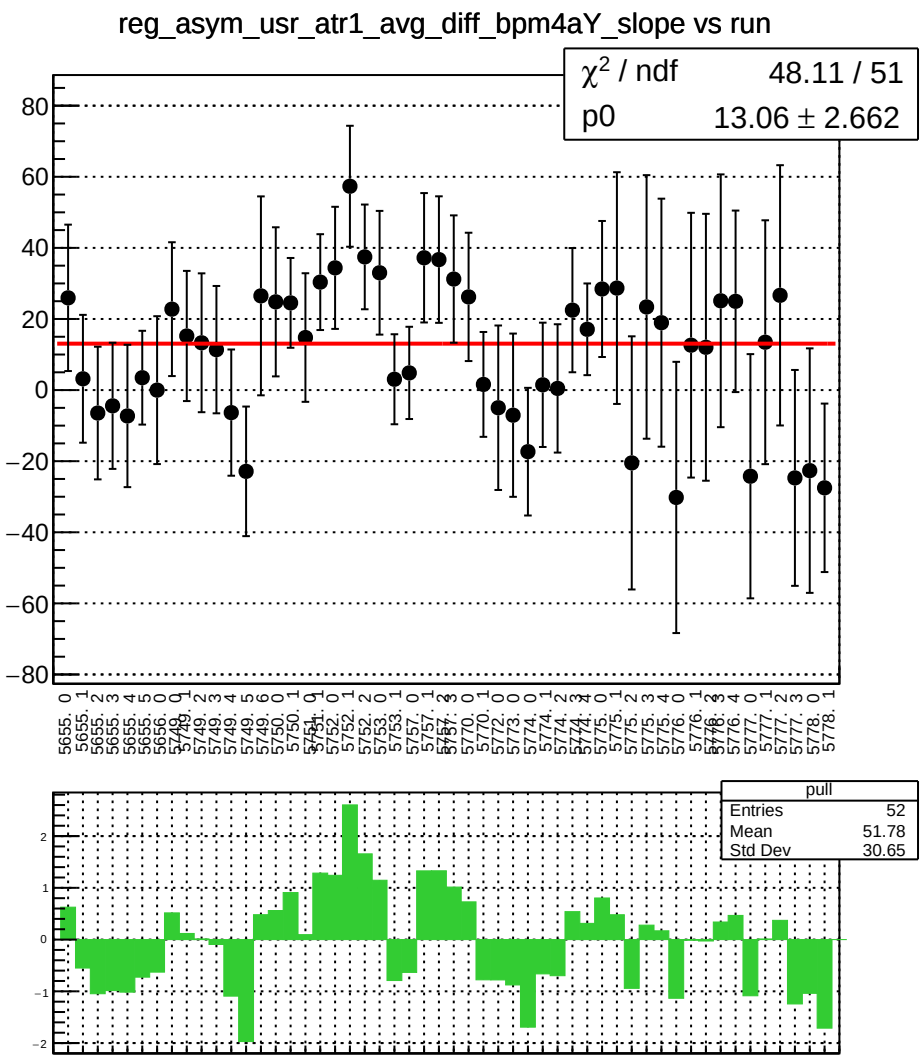

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.88 / 51
p0 −39.64 ± 4.281
pull
Entries 52
Mean 25.52
Std Dev 30.84

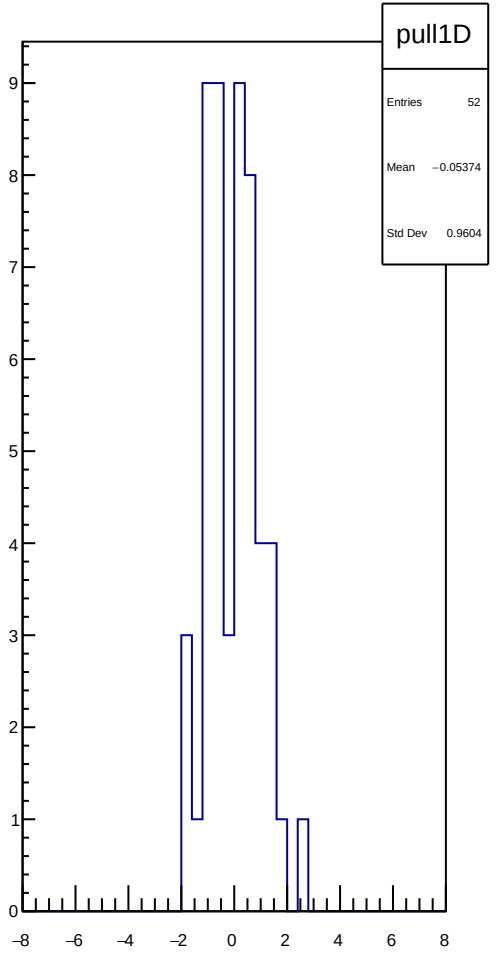

pull1D
Entries 52
Mean 0.07486
Std Dev 0.4512

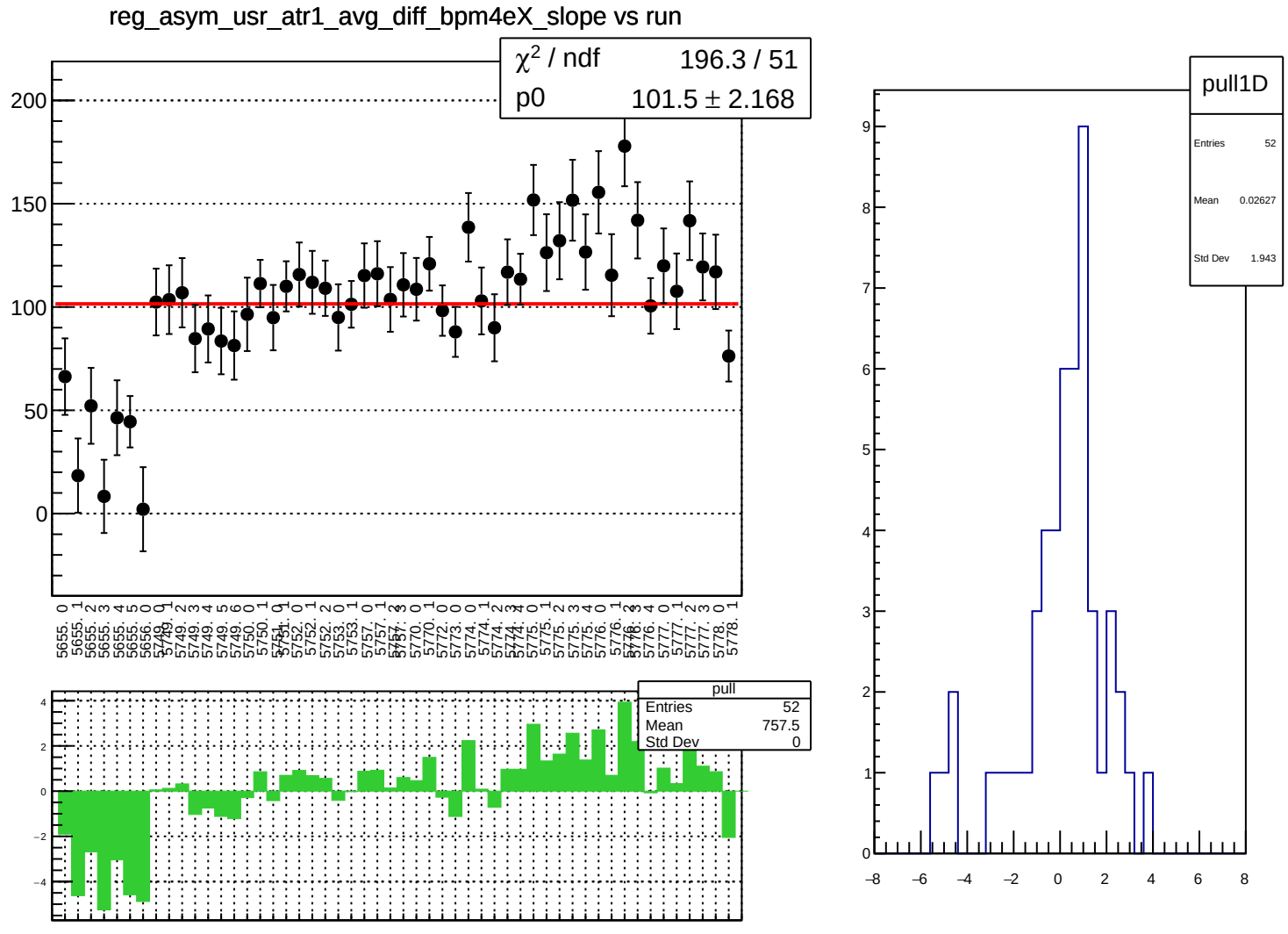

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs run
χ² / ndf 161.5 / 51
p0 80.17 ± 0.233
pull
Entries 52
Mean 96.8
Std Dev 0
pull1D
Entries 52
Mean 0.2543
Std Dev 1.744

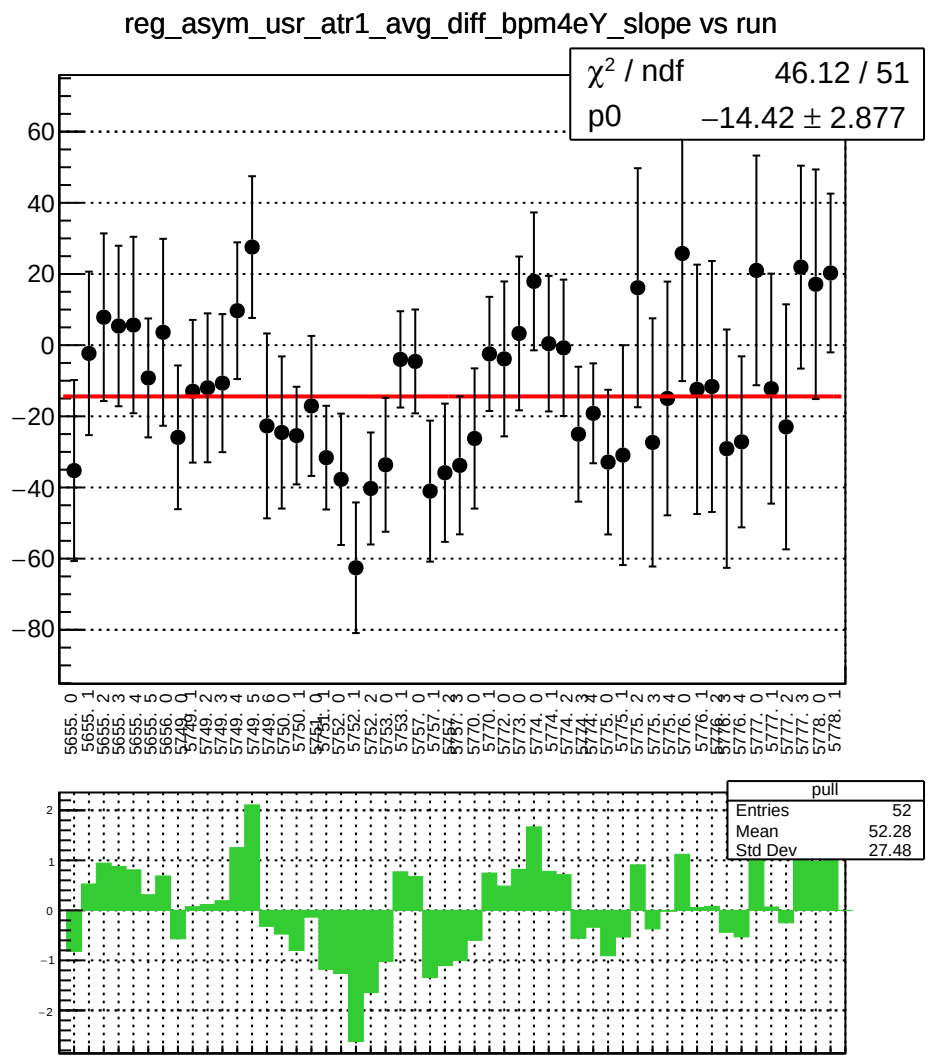

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs run
χ² / ndf 102.3 / 51
p0 −61.34 ± 1.461
pull
Entries 52
Mean −136.3
Std Dev 0

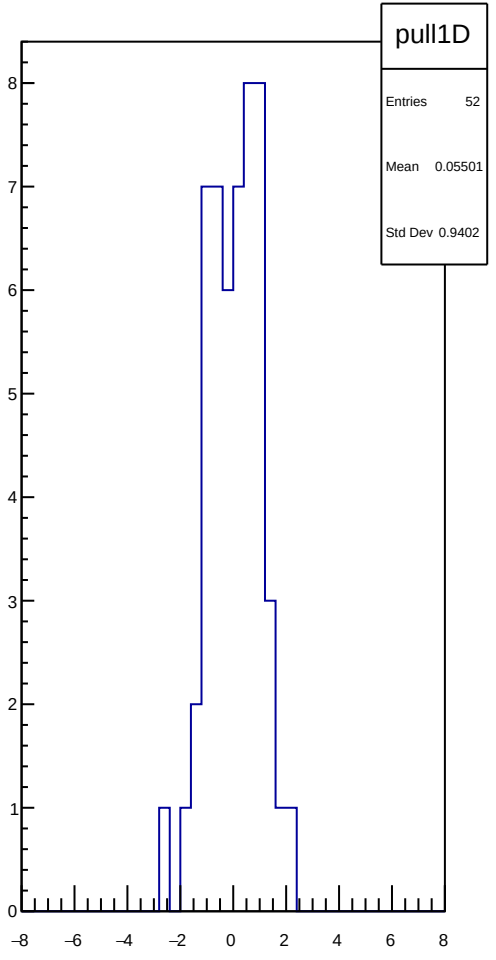

pull1D
Entries 52
Mean 0.07336
Std Dev 1.4

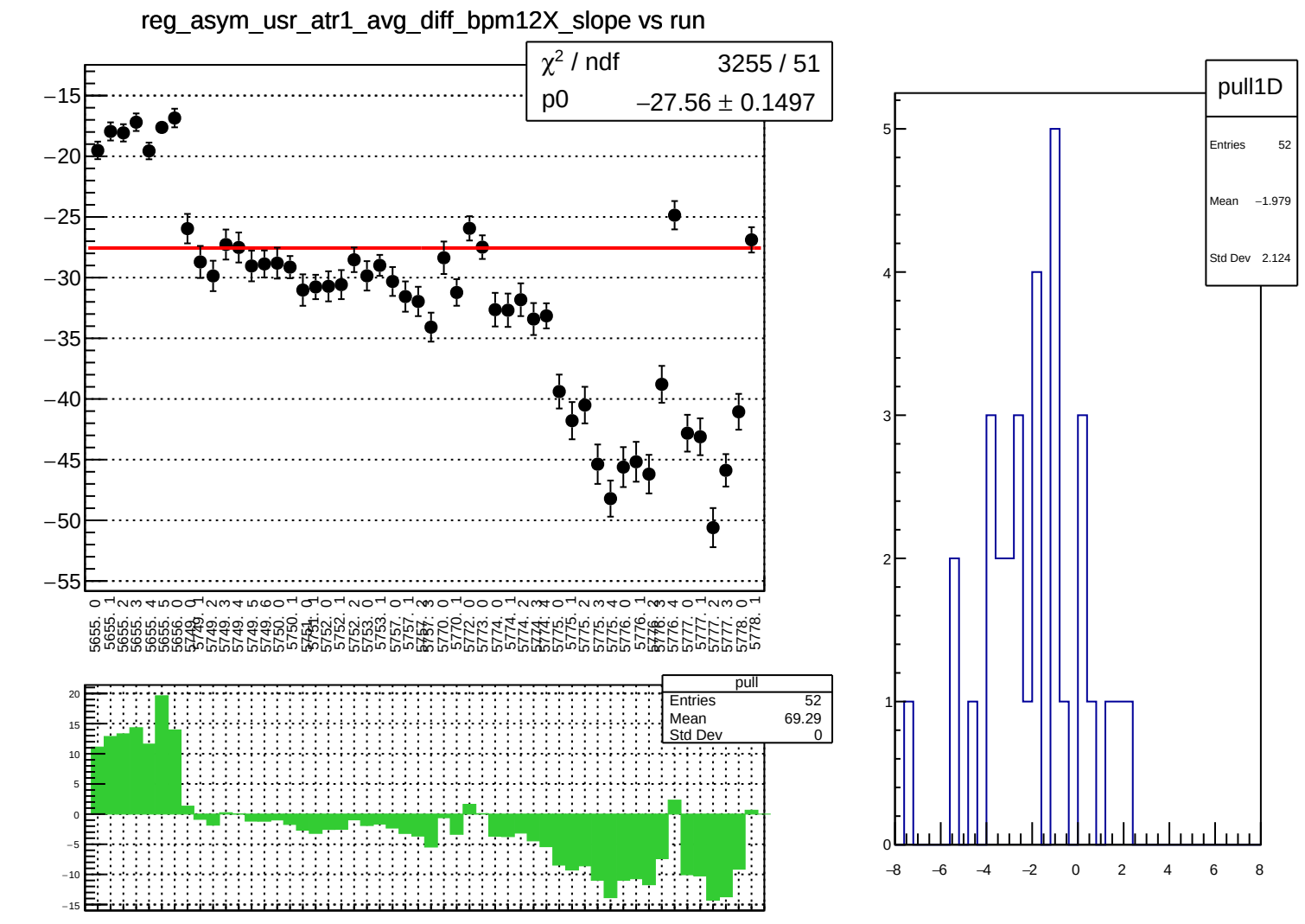

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs run
χ² / ndf 48.11 / 51
p0 13.06 ± 2.662
pull
Entries 52
Mean 51.78
Std Dev 30.65

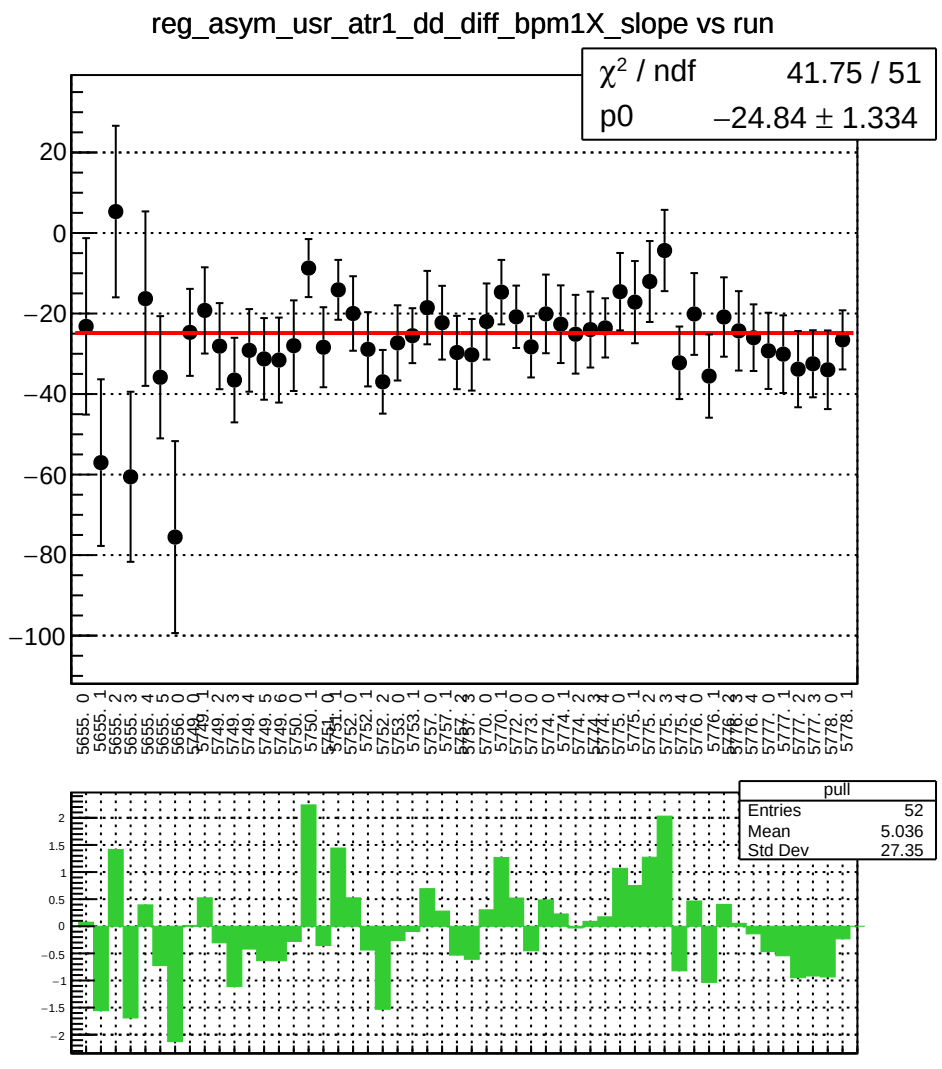

pull1D
Entries 52
Mean −0.05374
Std Dev 0.9604

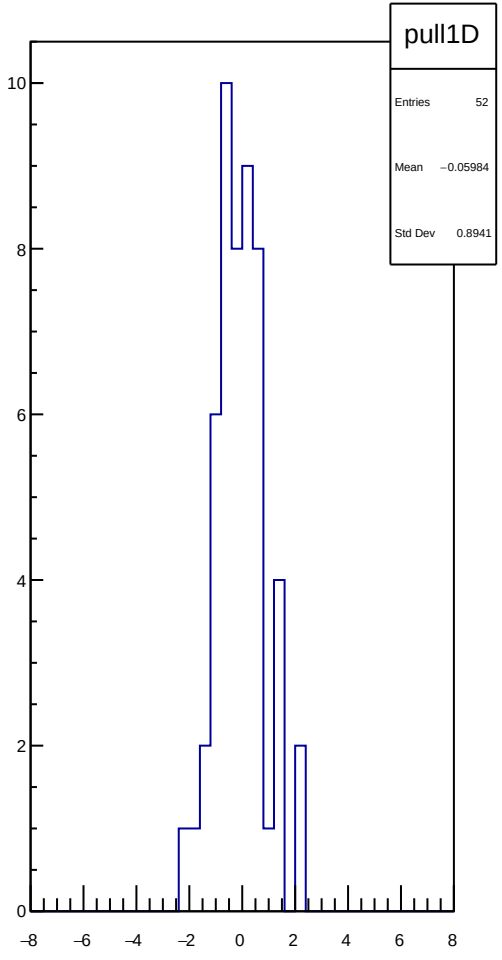

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs run
χ² / ndf 196.3 / 51
p0 101.5 ± 2.168
200
150
100
50
0
pull
Entries 52
Mean 757.5
Std Dev 0
pull1D
Entries 52
Mean 0.02627
Std Dev 1.943

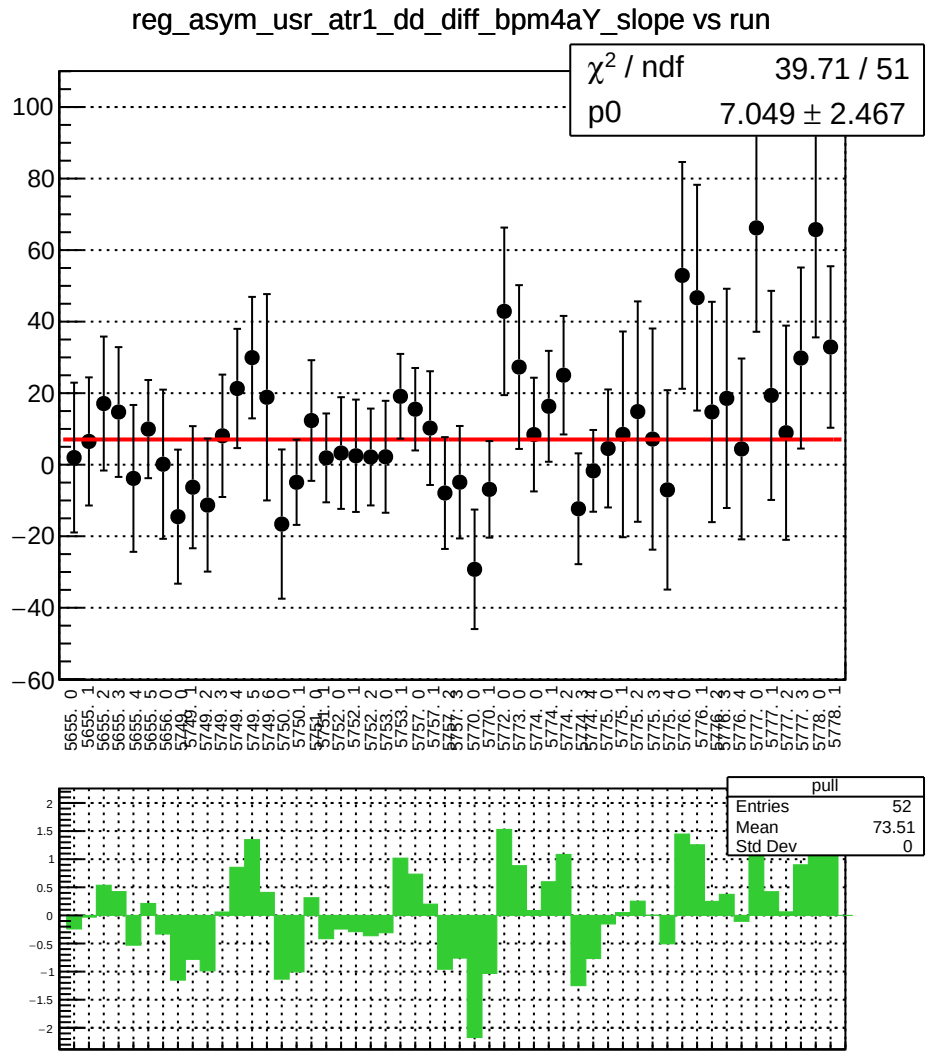

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs run
χ² / ndf 46.12 / 51
p0 −14.42 ± 2.877
pull
Entries 52
Mean 52.28
Std Dev 27.48

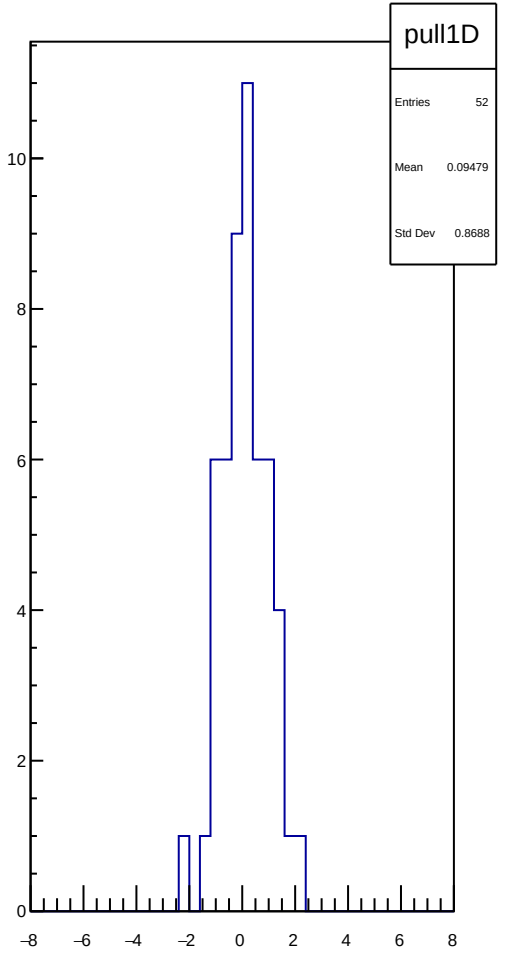

pull1D
Entries 52
Mean 0.05501
Std Dev 0.9402

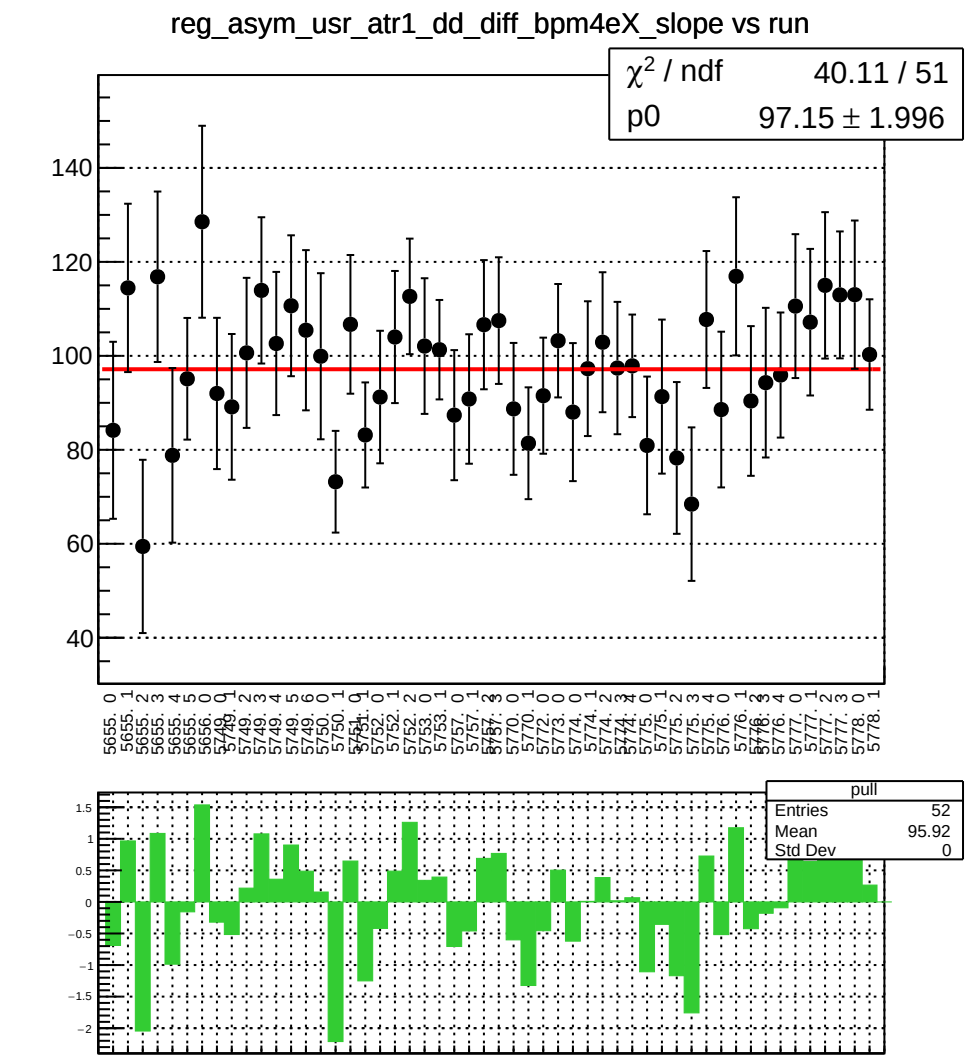

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs run
χ² / ndf 3255 / 51
p0 −27.56 ± 0.1497
pull
Entries 52
Mean 69.29
Std Dev 0
pull1D
Entries 52
Mean −1.979
Std Dev 2.124

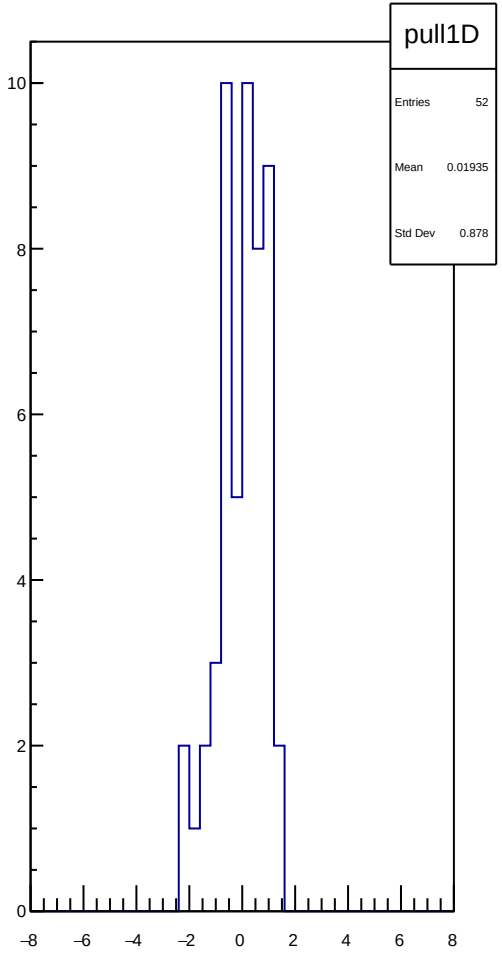

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs run
χ² / ndf 41.75 / 51
p0 −24.84 ± 1.334
pull
Entries 52
Mean 5.036
Std Dev 27.35

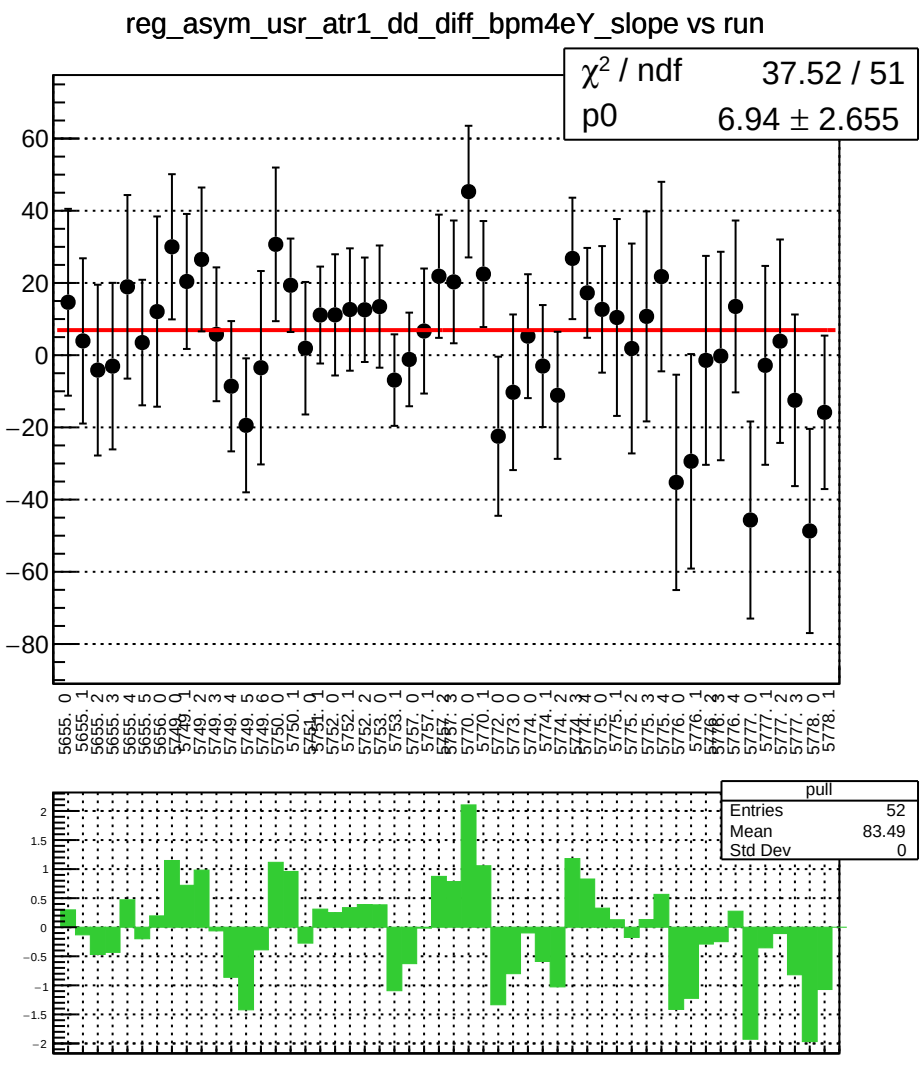

pull1D
Entries 52
Mean −0.05984
Std Dev 0.8941

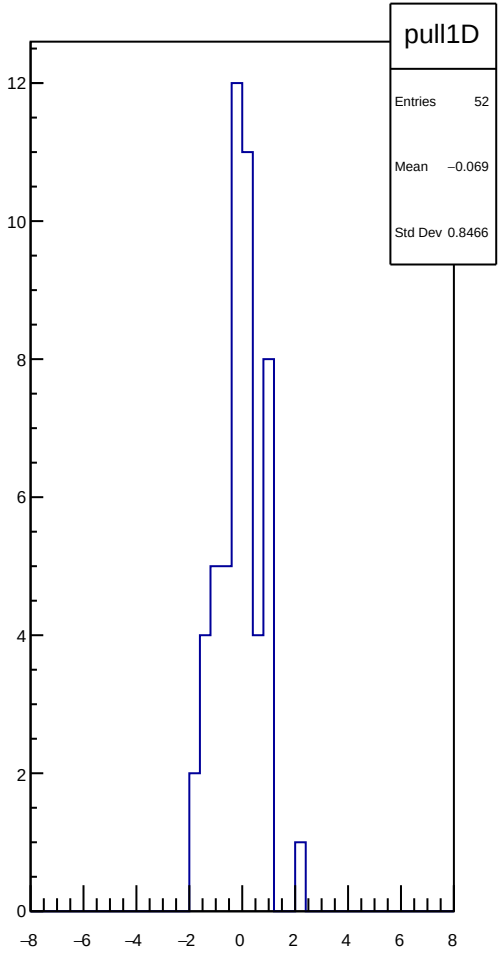

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs run
χ² / ndf 39.71 / 51
p0 7.049 ± 2.467
pull
Entries 52
Mean 73.51
Std Dev 0

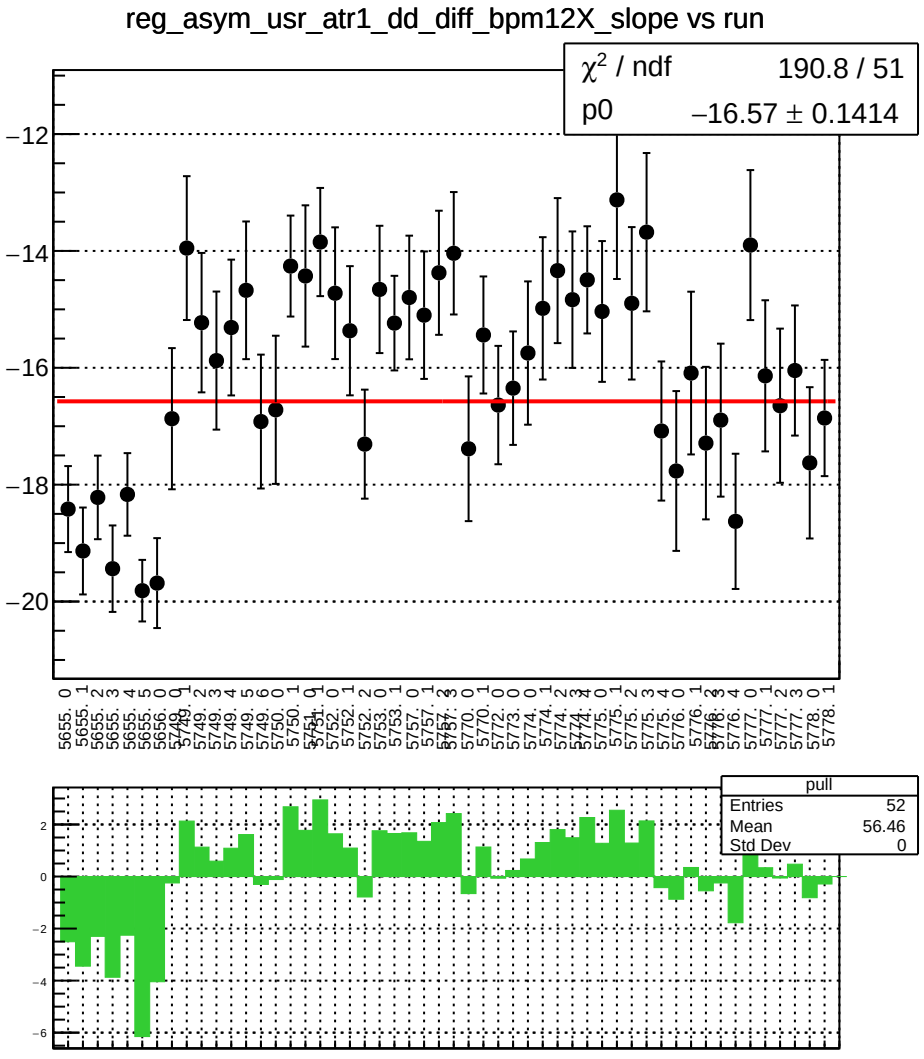

pull1D
Entries 52
Mean 0.09479
Std Dev 0.8688

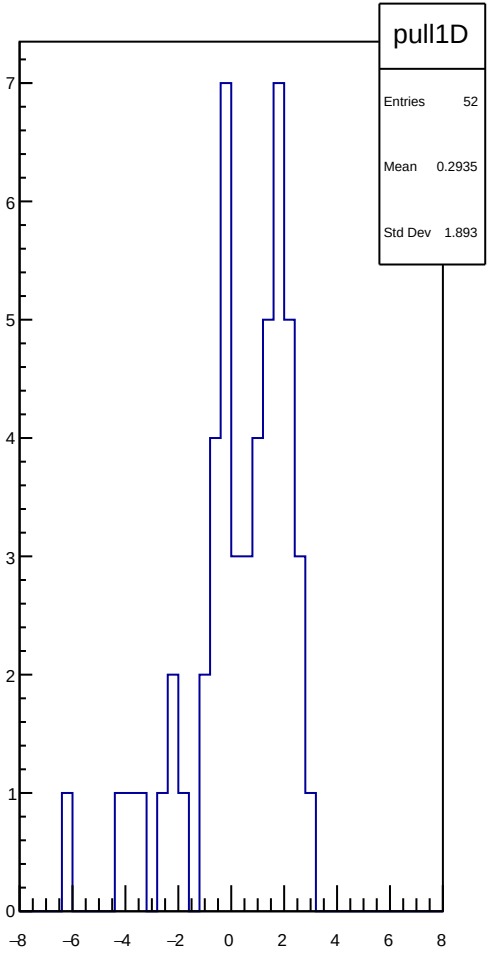

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs run
χ² / ndf 40.11 / 51
p0 97.15 ± 1.996
140
120
100
80
60
40
pull
Entries 52
Mean 95.92
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

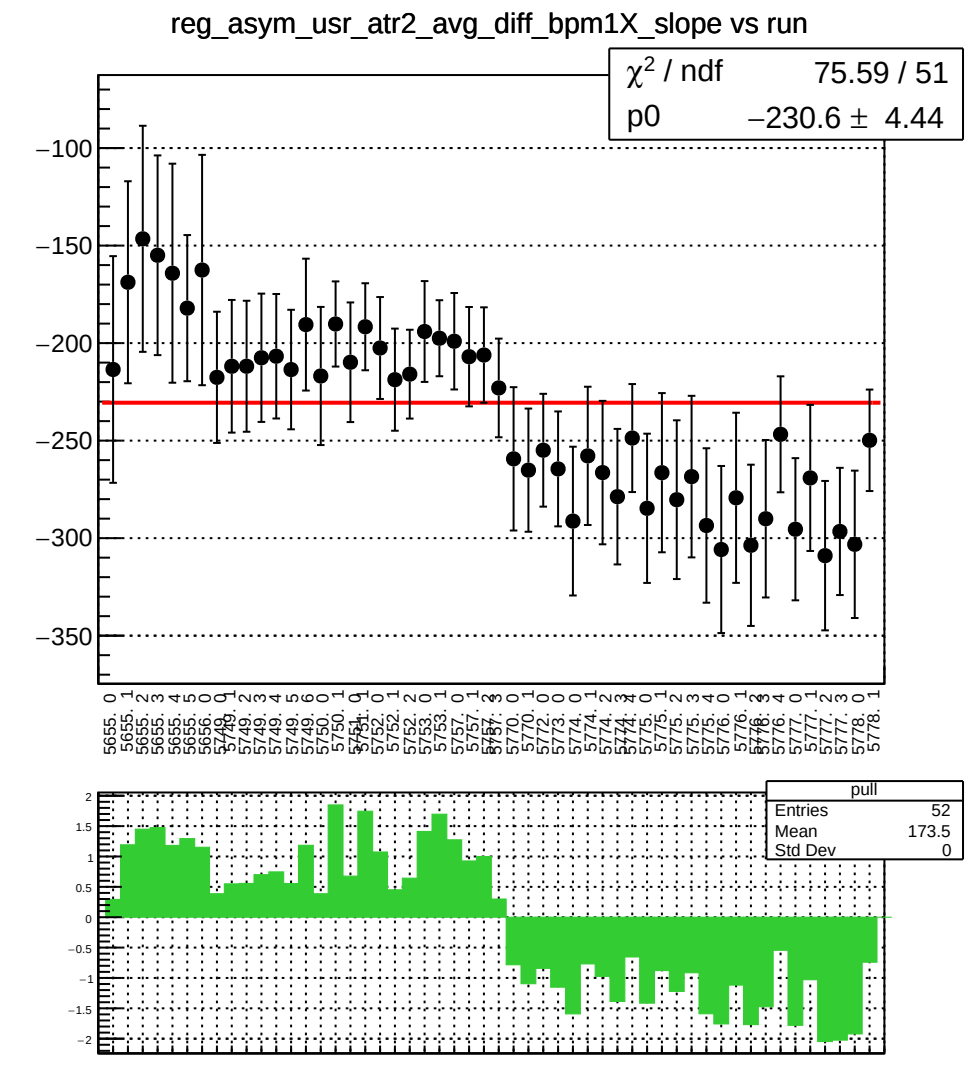

pull1D
Entries 52
Mean 0.01935
Std Dev 0.878
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

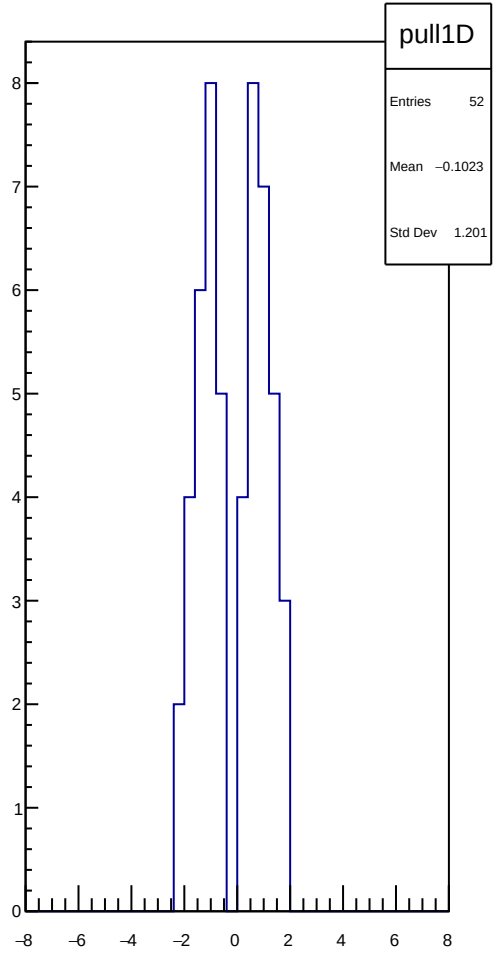

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs run
χ² / ndf 37.52 / 51
p0 6.94 ± 2.655
pull
Entries 52
Mean 83.49
Std Dev 0

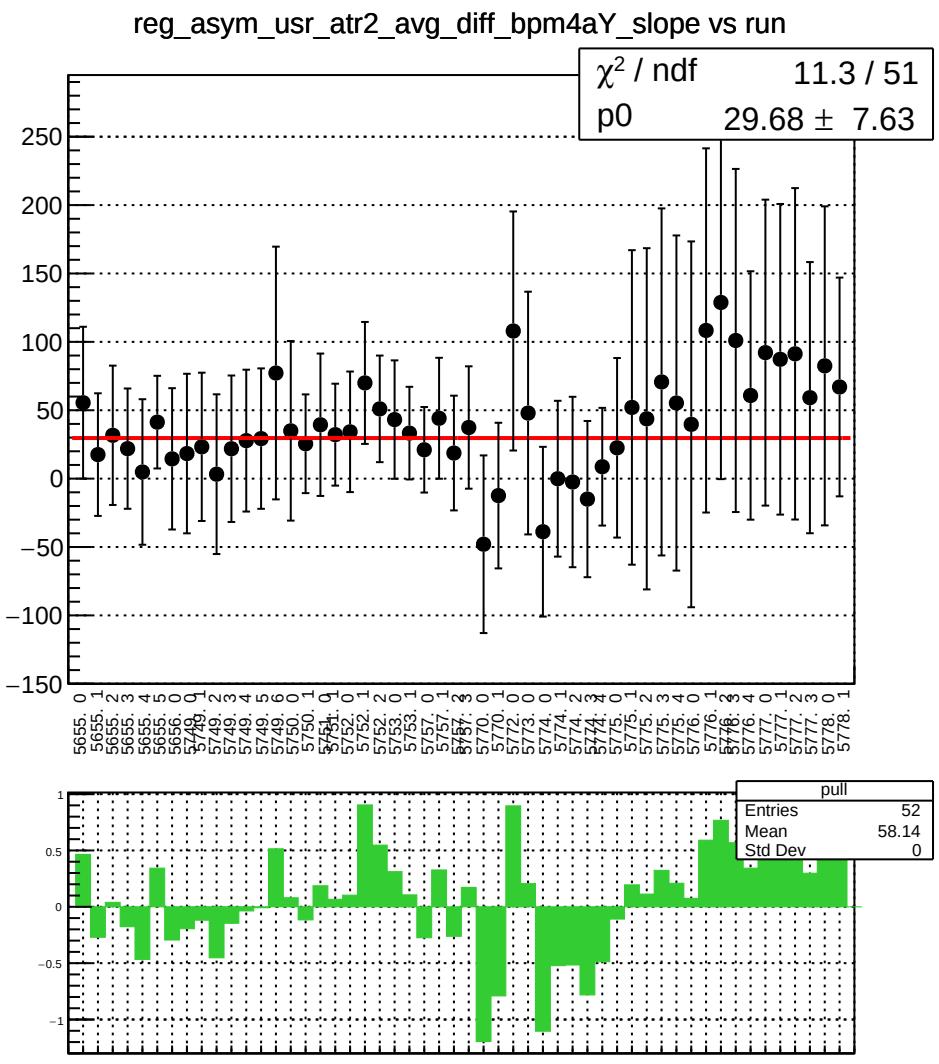

pull1D
Entries 52
Mean −0.069
Std Dev 0.8466

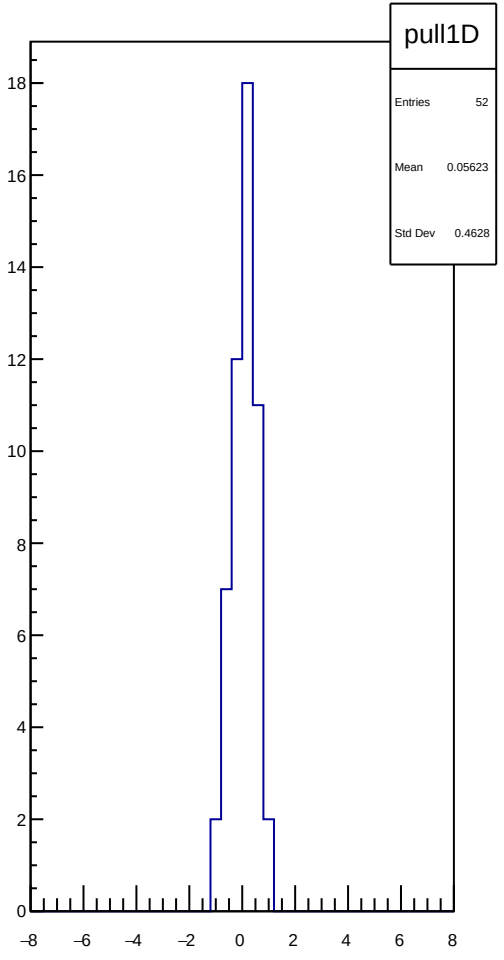

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs run
χ² / ndf 190.8 / 51
p0 −16.57 ± 0.1414
pull
Entries 52
Mean 56.46
Std Dev 0

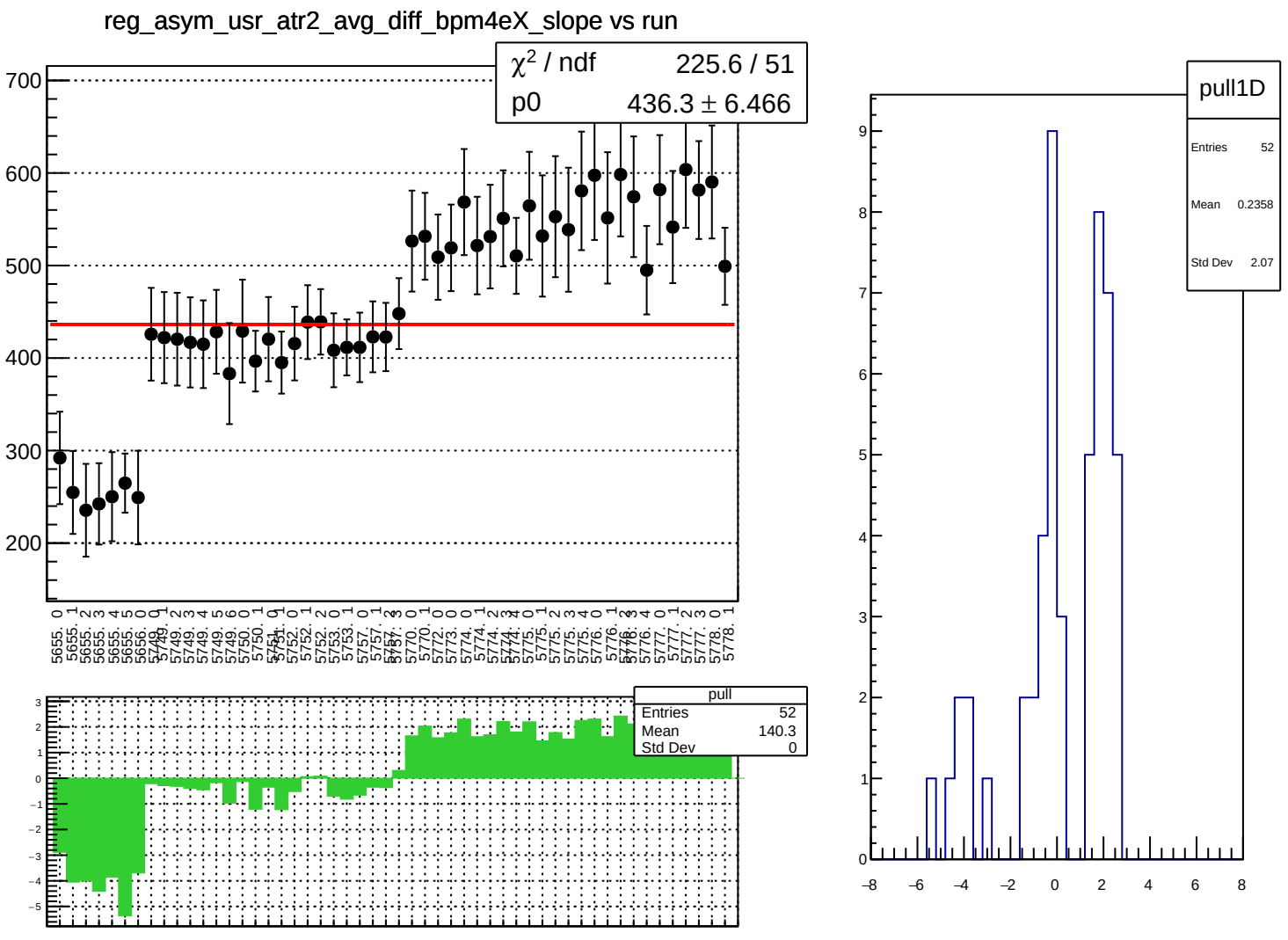

pull1D
Entries 52
Mean 0.2935
Std Dev 1.893

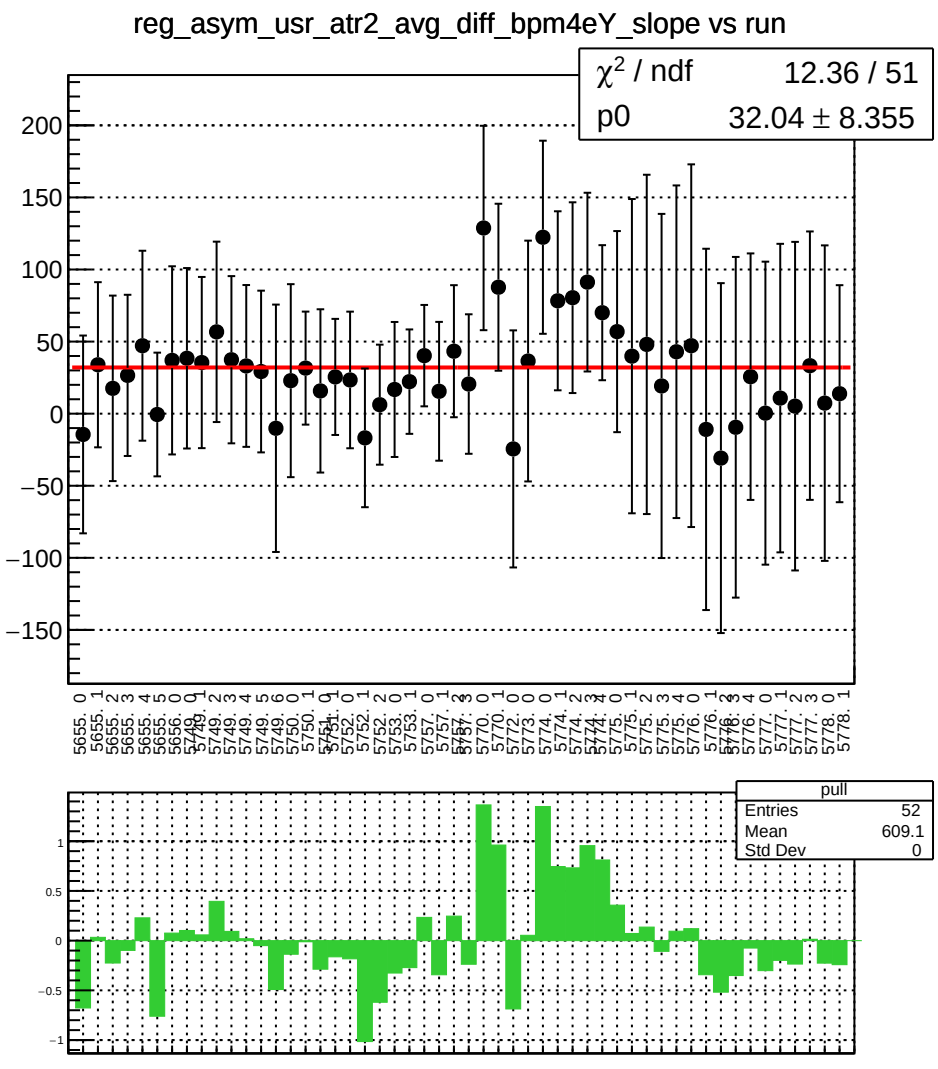

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs run
χ² / ndf 75.59 / 51
p0 −230.6 ± 4.44
pull
Entries 52
Mean 173.5
Std Dev 0

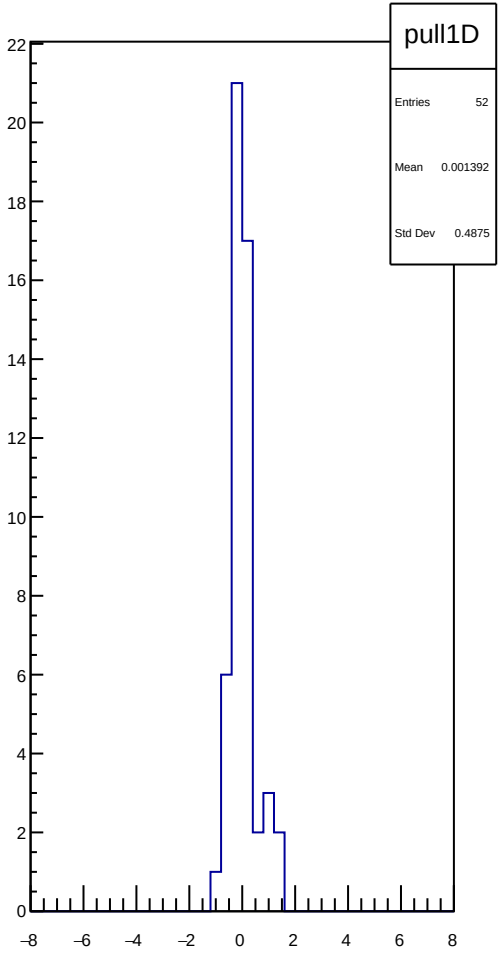

pull1D
Entries 52
Mean −0.1023
Std Dev 1.201

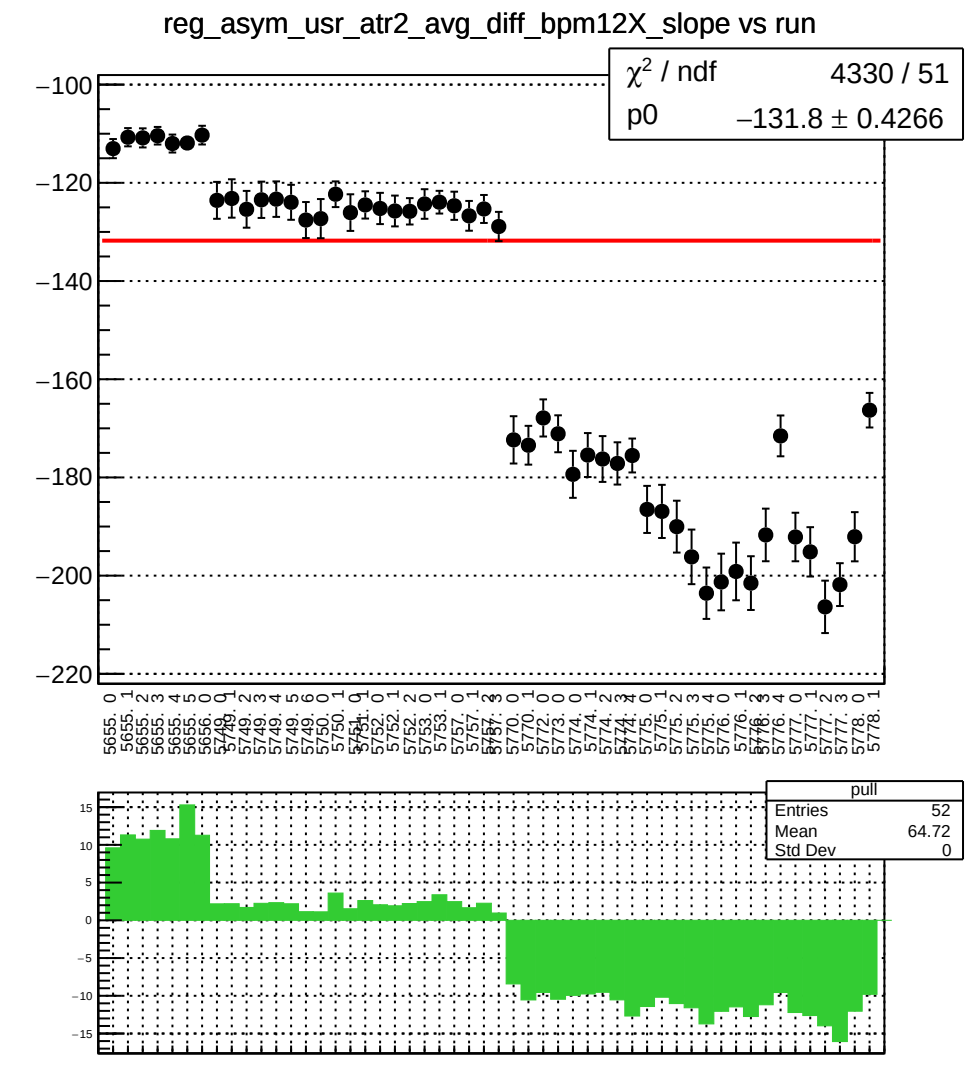

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.3 / 51
p0 29.68 ± 7.63
pull
Entries 52
Mean 58.14
Std Dev 0

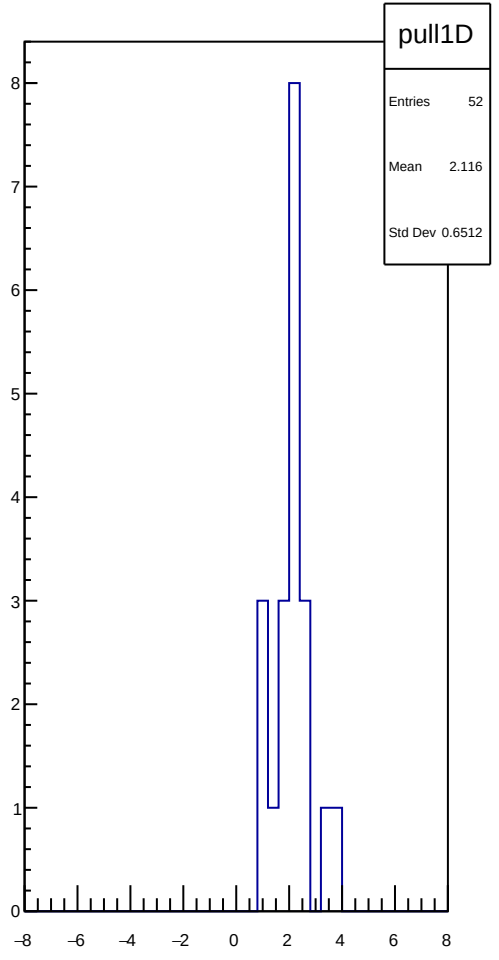

pull1D
Entries 52
Mean 0.05623
Std Dev 0.4628

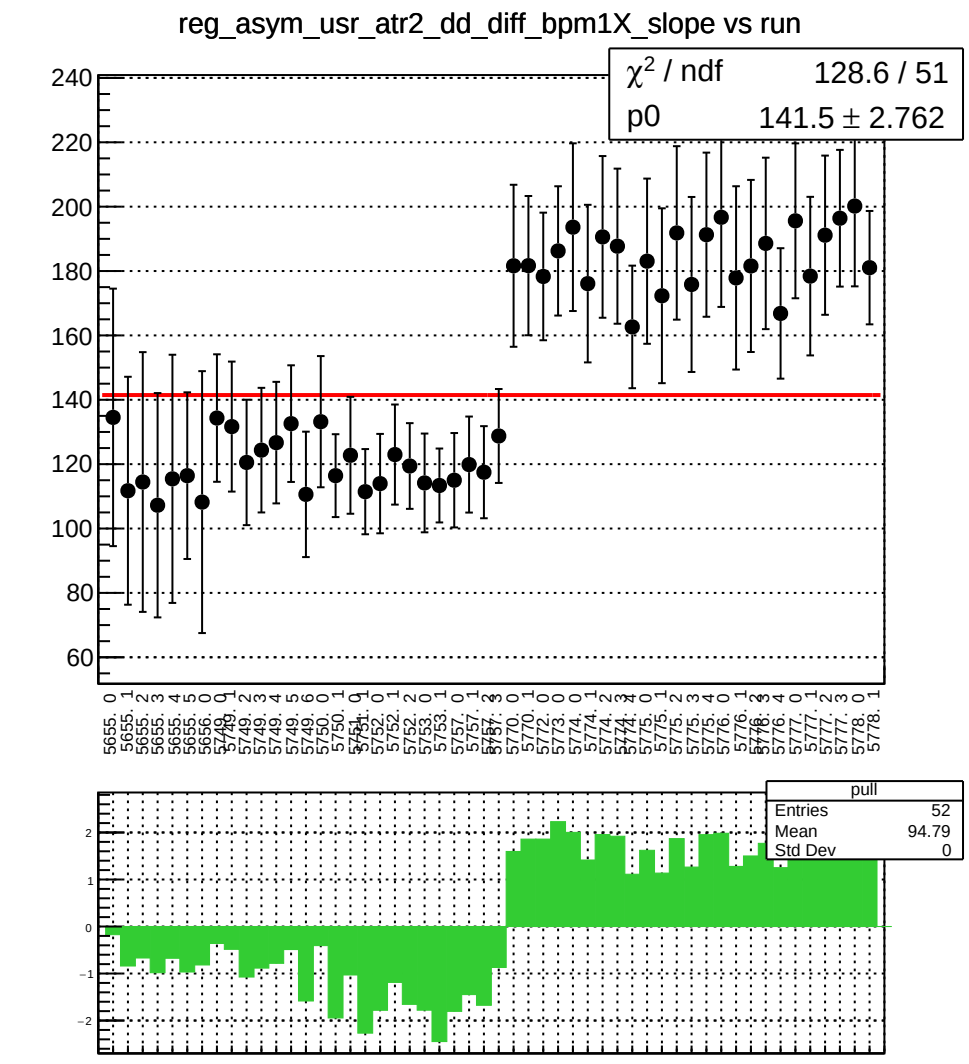

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs run
χ² / ndf 225.6 / 51
p0 436.3 ± 6.466
pull
Entries 52
Mean 140.3
Std Dev 0
pull1D
Entries 52
Mean 0.2358
Std Dev 2.07

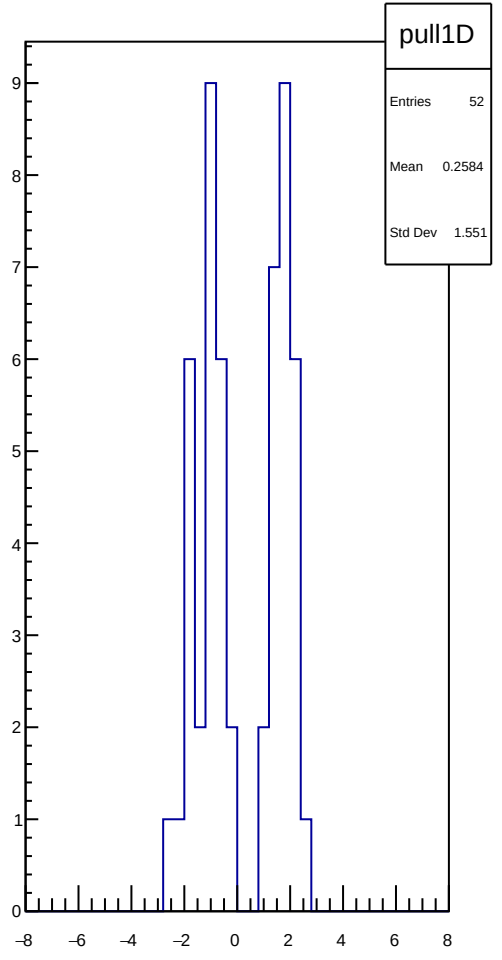

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.36 / 51
p0 32.04 ± 8.355
pull
Entries 52
Mean 609.1
Std Dev 0

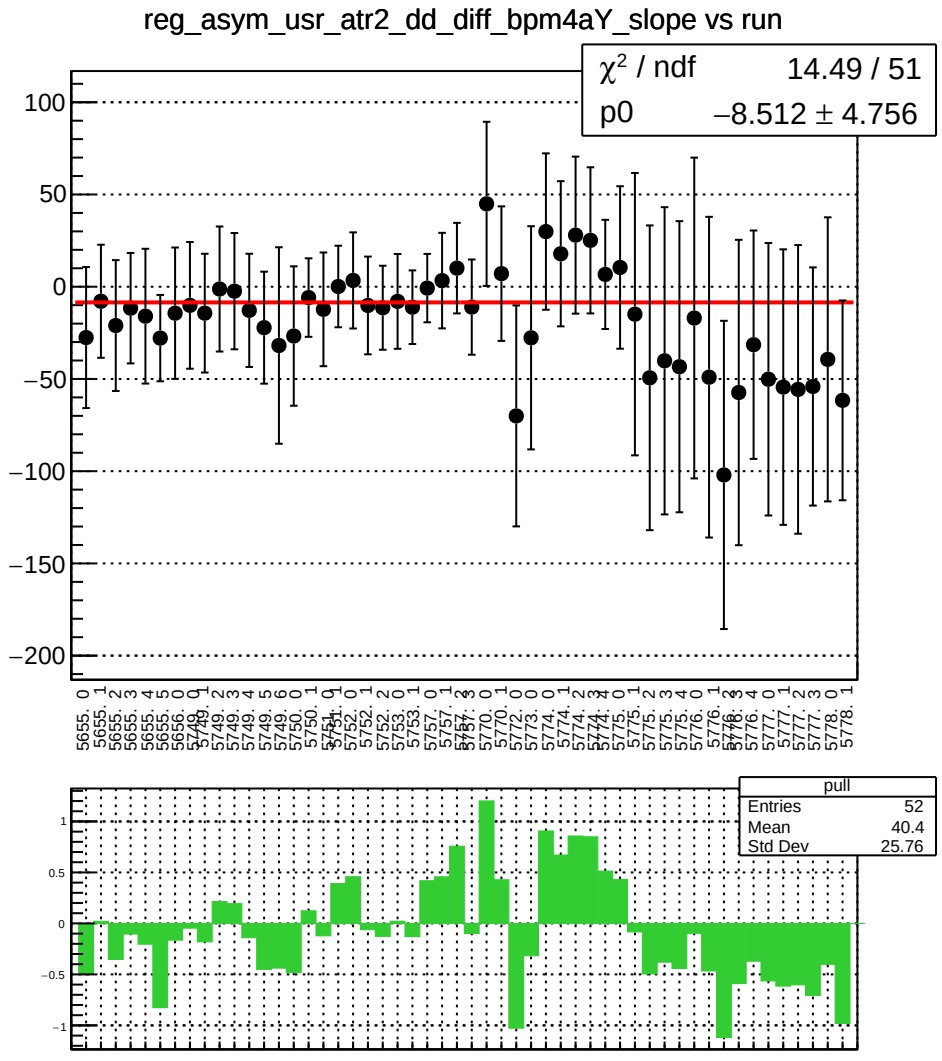

pull1D
Entries 52
Mean 0.001392
Std Dev 0.4875

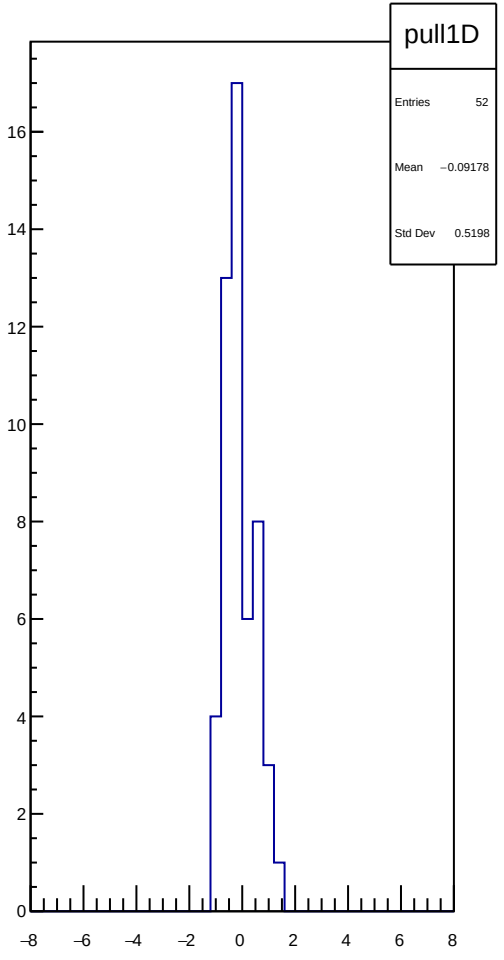

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs run
χ² / ndf 4330 / 51
p0 −131.8 ± 0.4266
pull
Entries 52
Mean 64.72
Std Dev 0

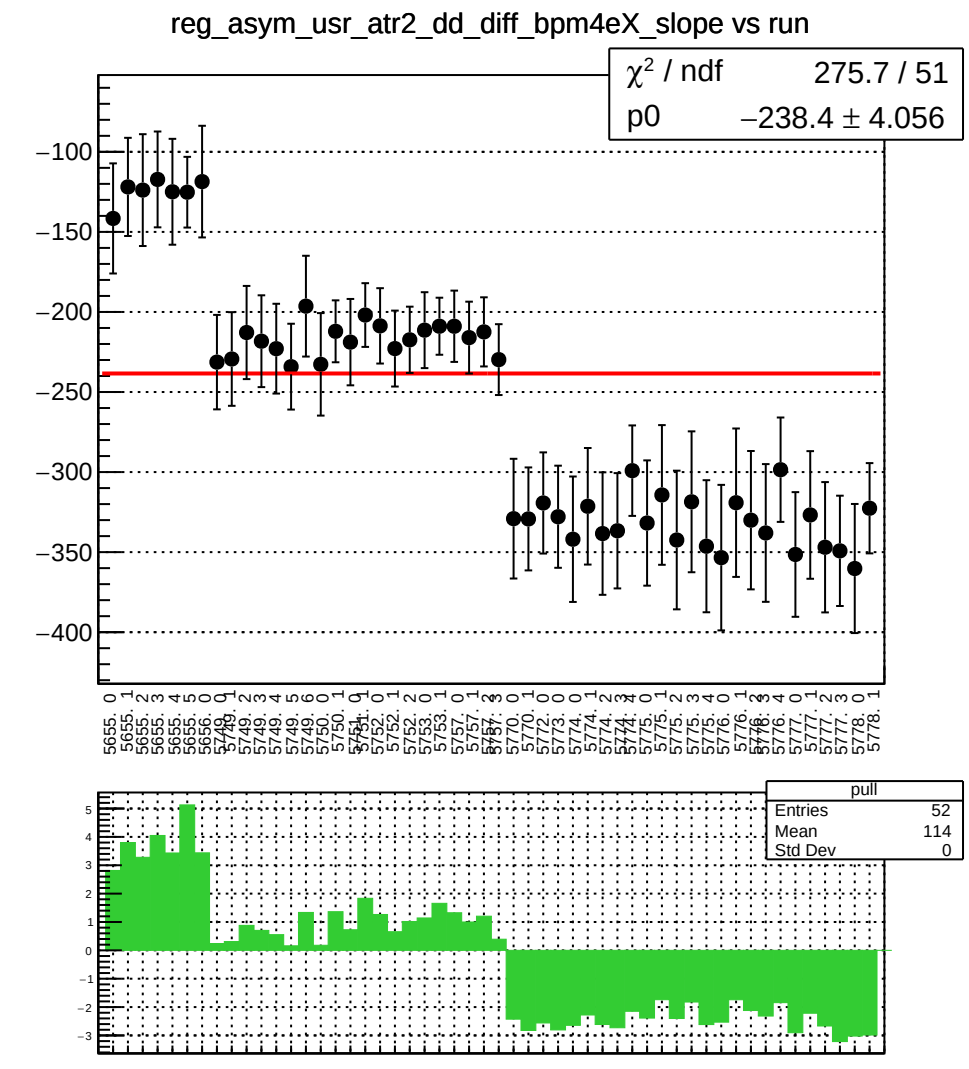

pull1D
Entries 52
Mean 2.116
Std Dev 0.6512

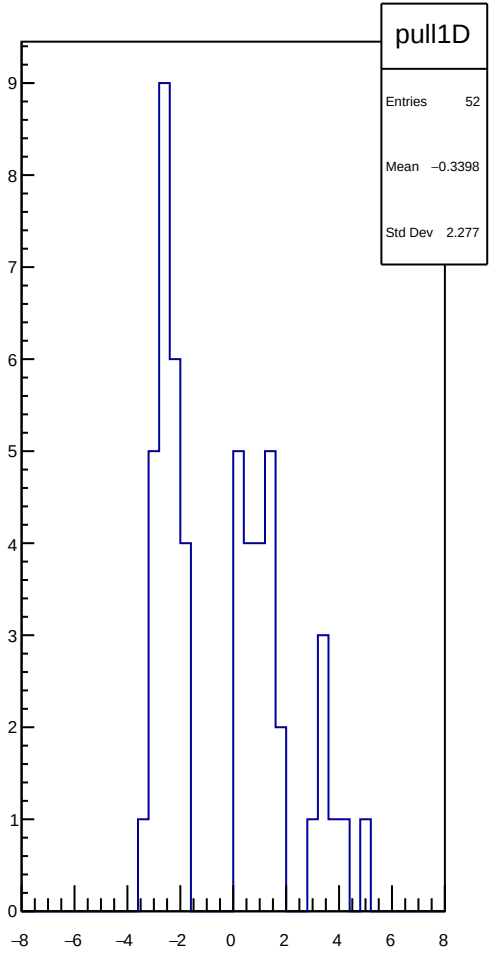

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs run
χ² / ndf 128.6 / 51
p0 141.5 ± 2.762
pull
Entries 52
Mean 94.79
Std Dev 0

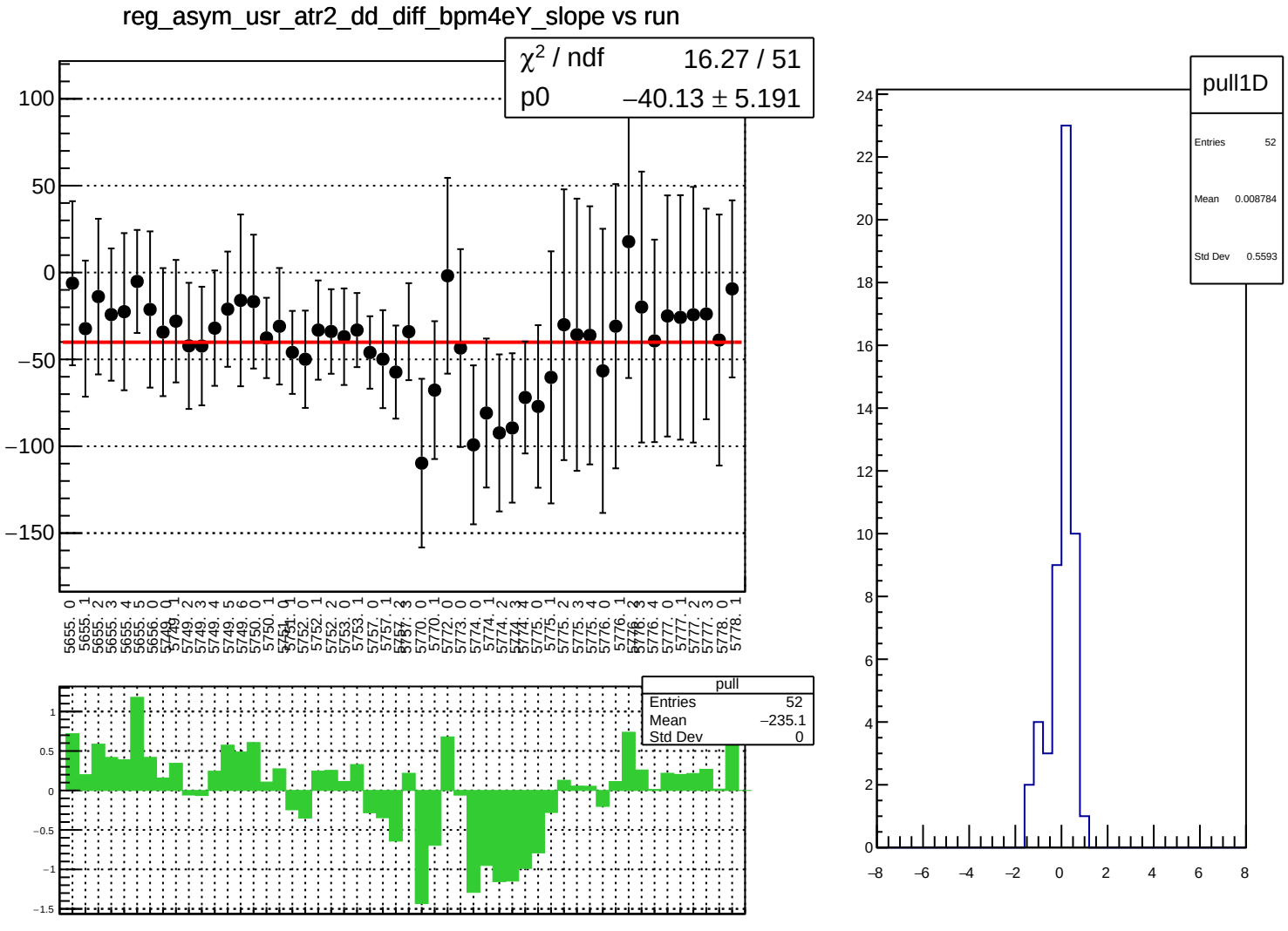

pull1D
Entries 52
Mean 0.2584
Std Dev 1.551

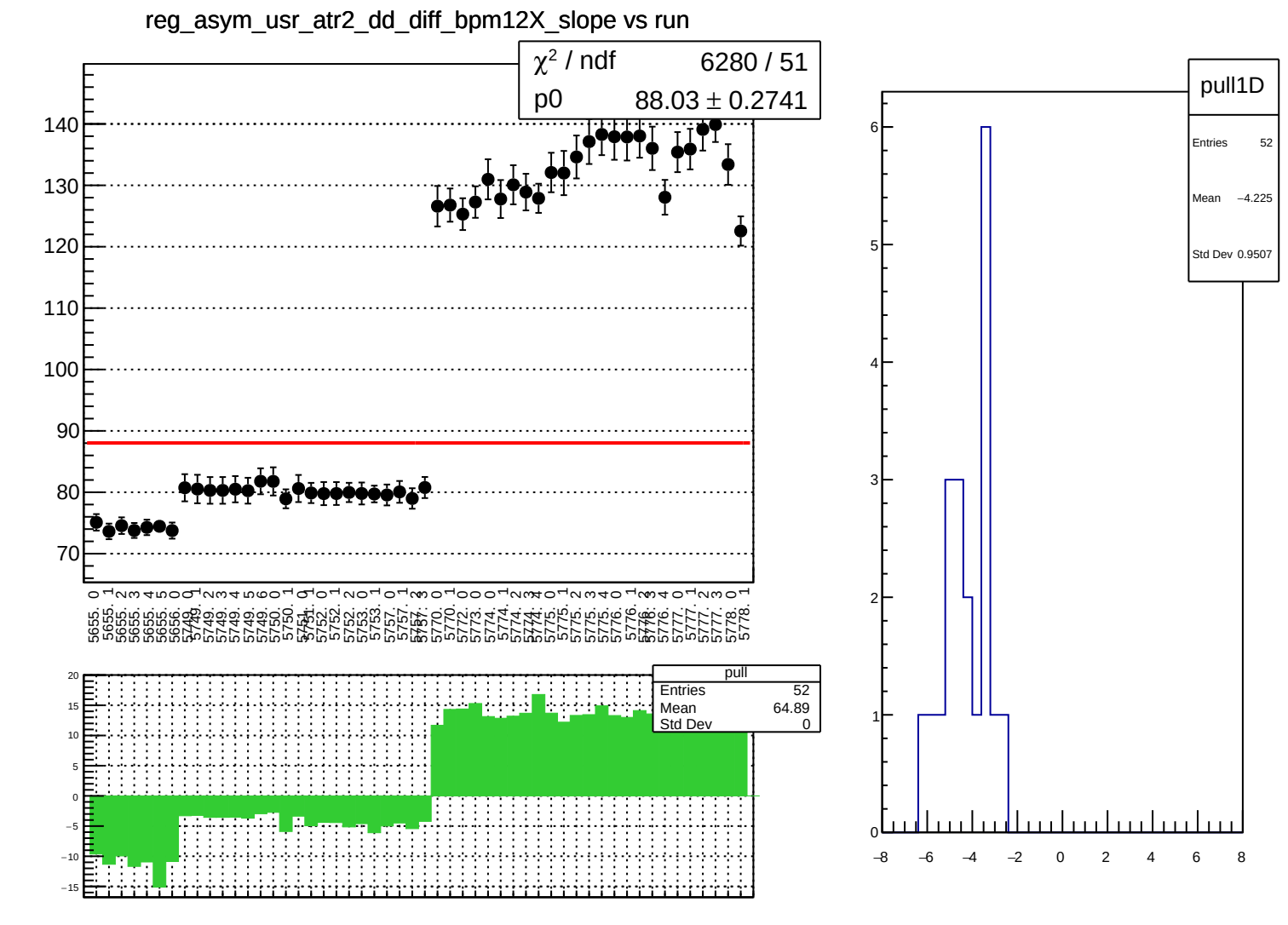

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.49 / 51
p0 −8.512 ± 4.756
pull
Entries 52
Mean 40.4
Std Dev 25.76

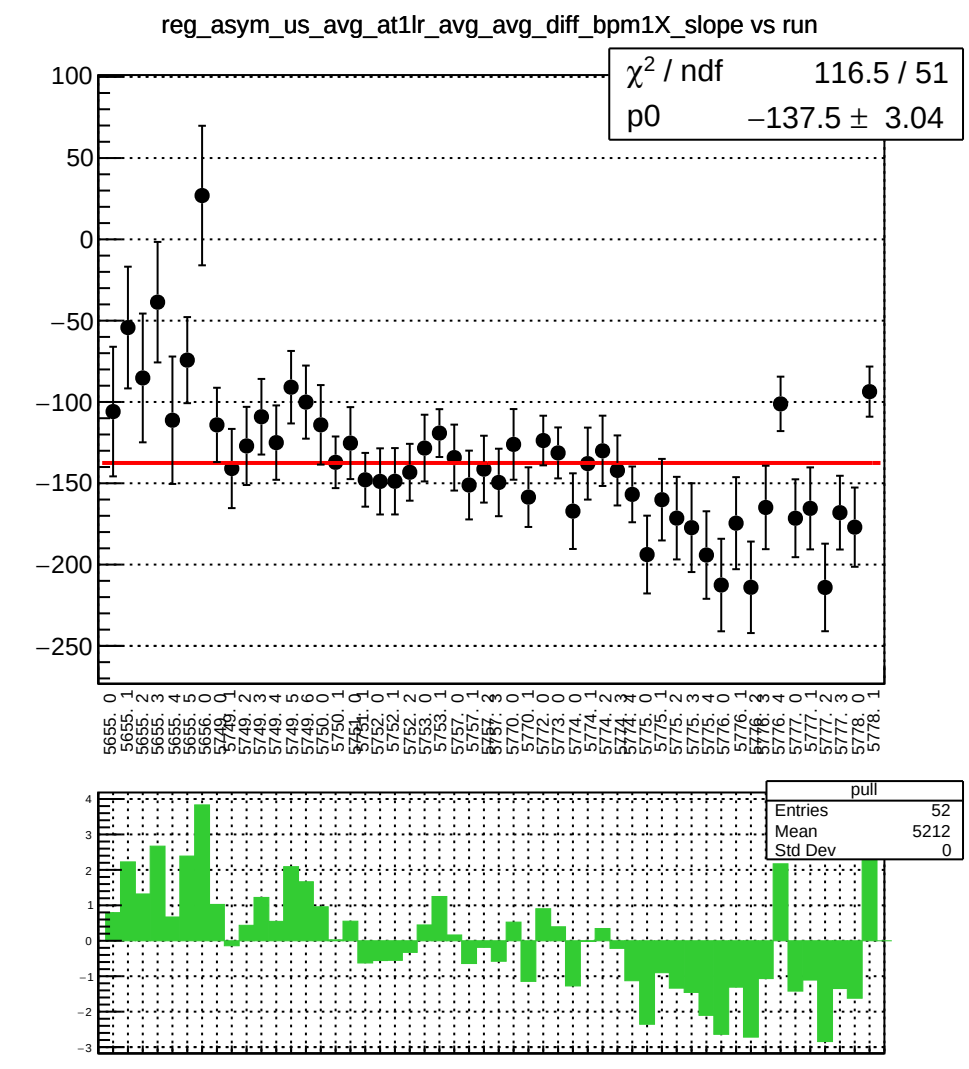

pull1D
Entries 52
Mean −0.09178
Std Dev 0.5198

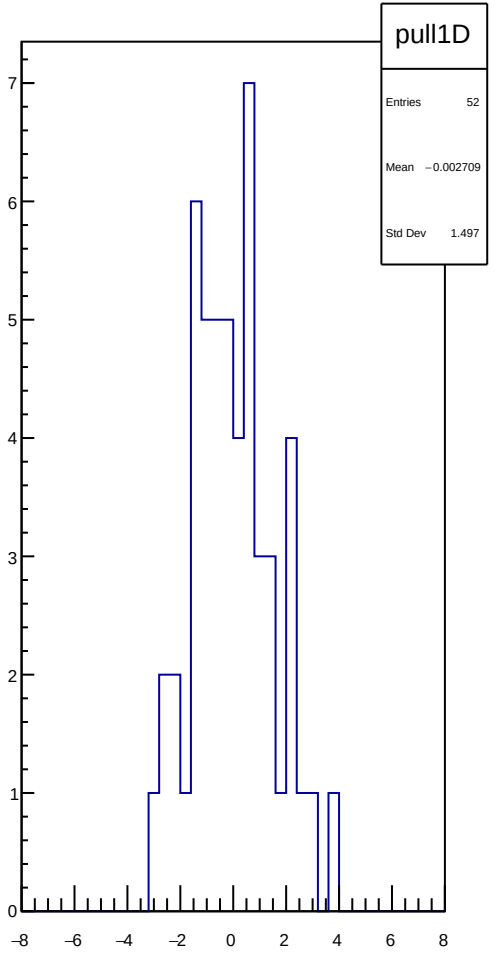

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs run
χ² / ndf 275.7 / 51
p0 −238.4 ± 4.056
pull
Entries 52
Mean 114
Std Dev 0

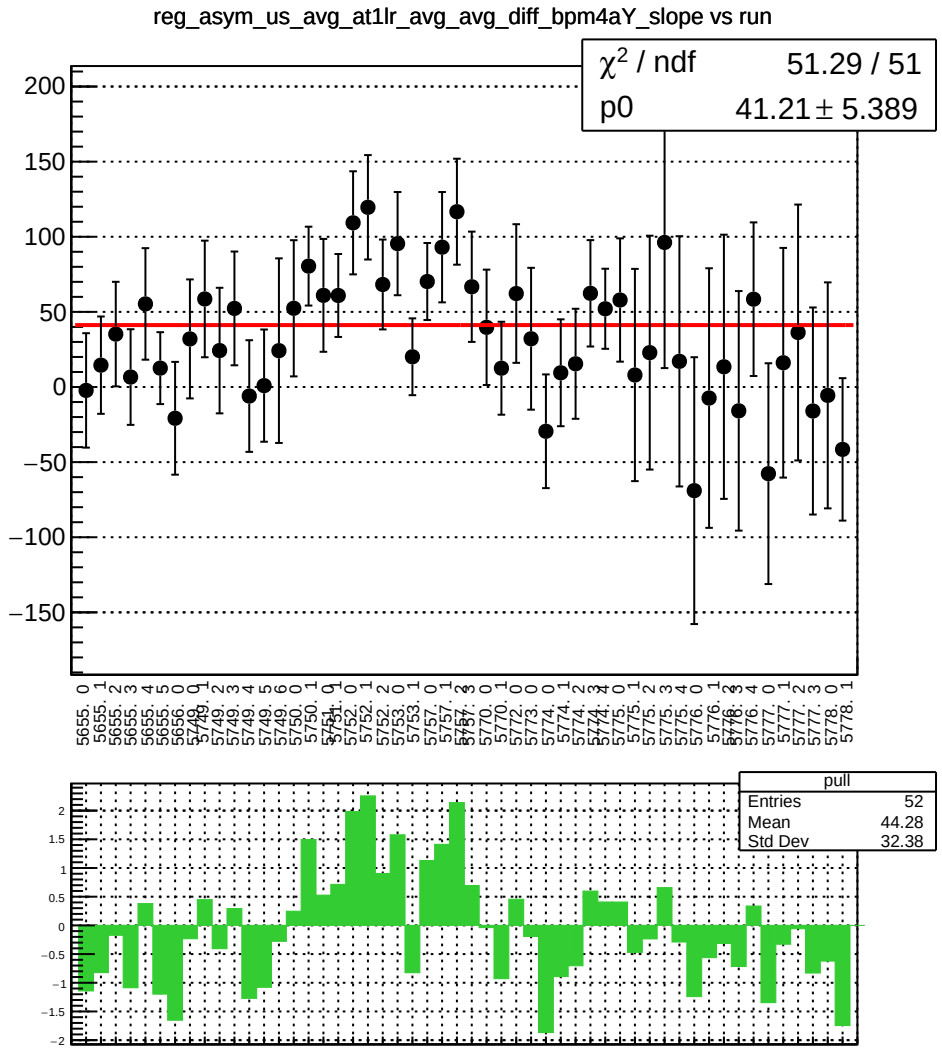

pull1D
Entries 52
Mean −0.3398
Std Dev 2.277

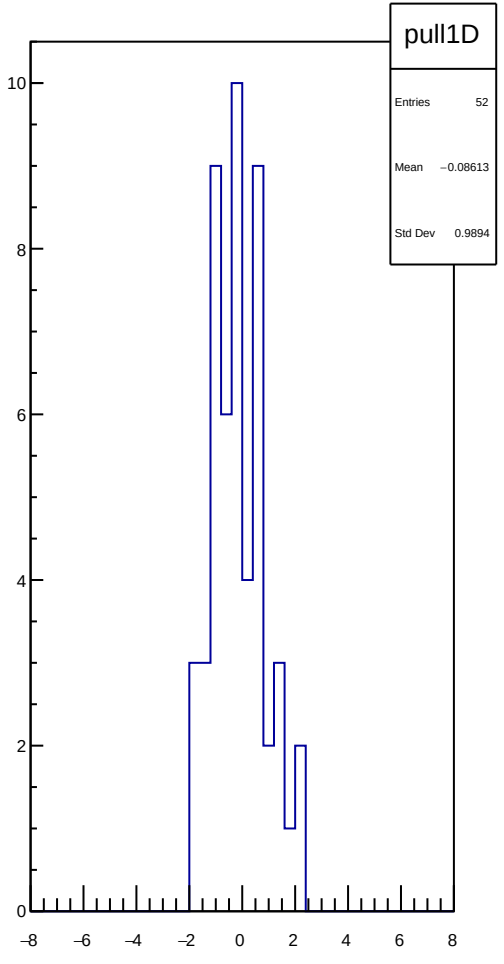

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.27 / 51
p0 −40.13 ± 5.191
pull
Entries 52
Mean −235.1
Std Dev 0
pull1D
Entries 52
Mean 0.008784
Std Dev 0.5593

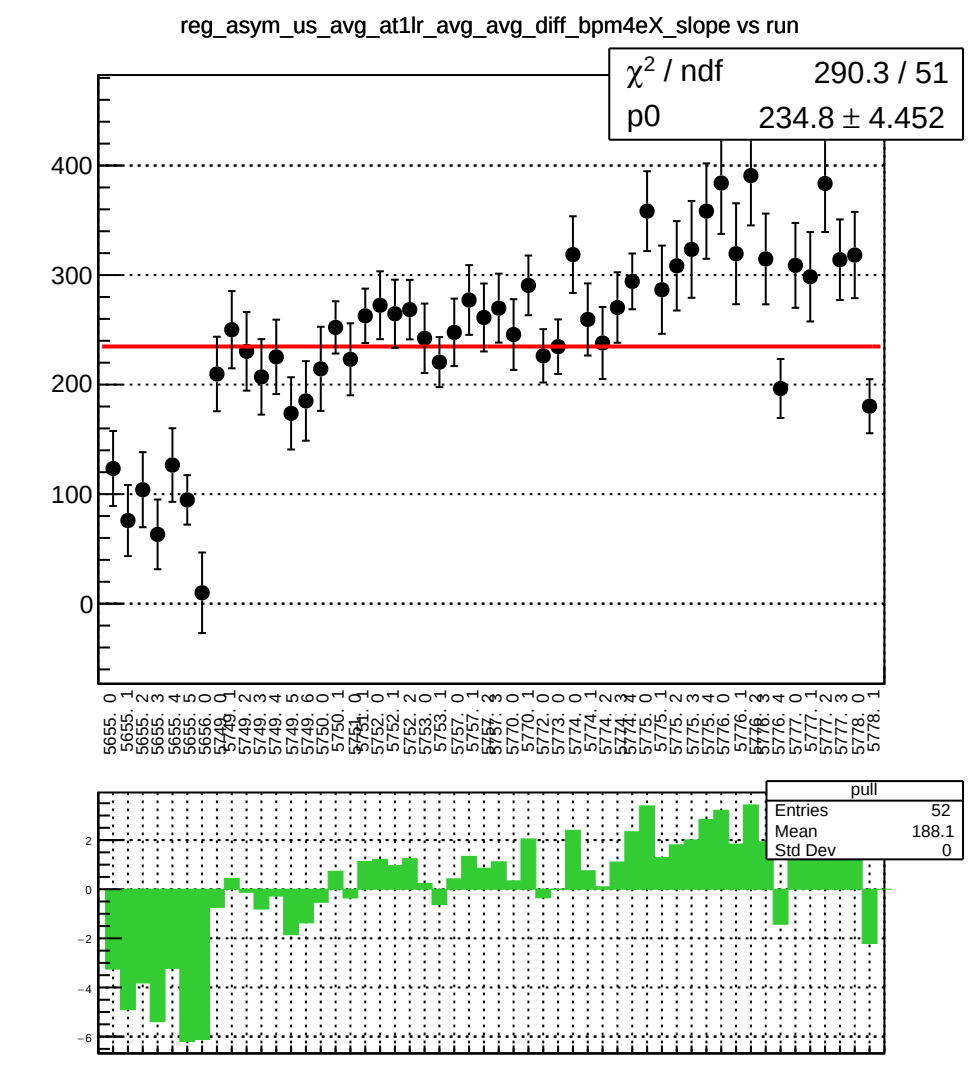

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs run
χ² / ndf 6280 / 51
p0 88.03 ± 0.2741
pull
Entries 52
Mean 64.89
Std Dev 0
pull1D
Entries 52
Mean −4.225
Std Dev 0.9507

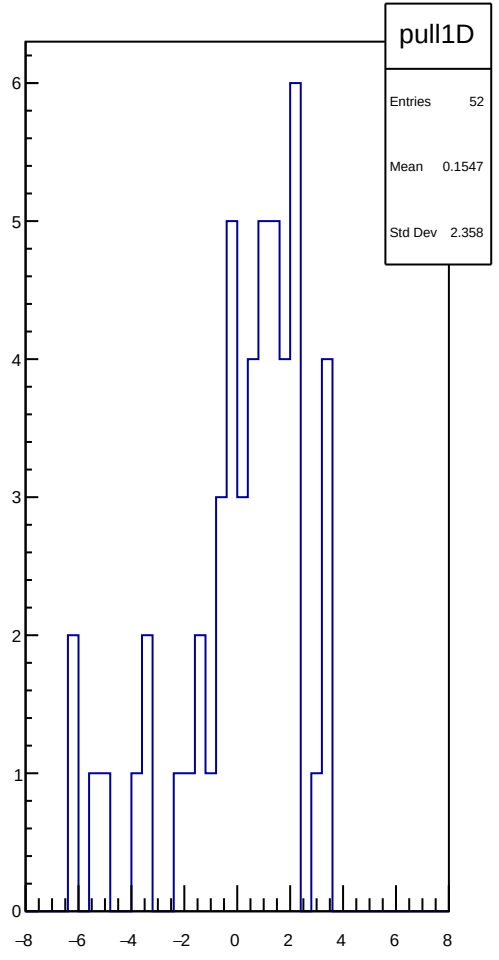

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 116.5 / 51
p0 −137.5 ± 3.04
pull
Entries 52
Mean 5212
Std Dev 0

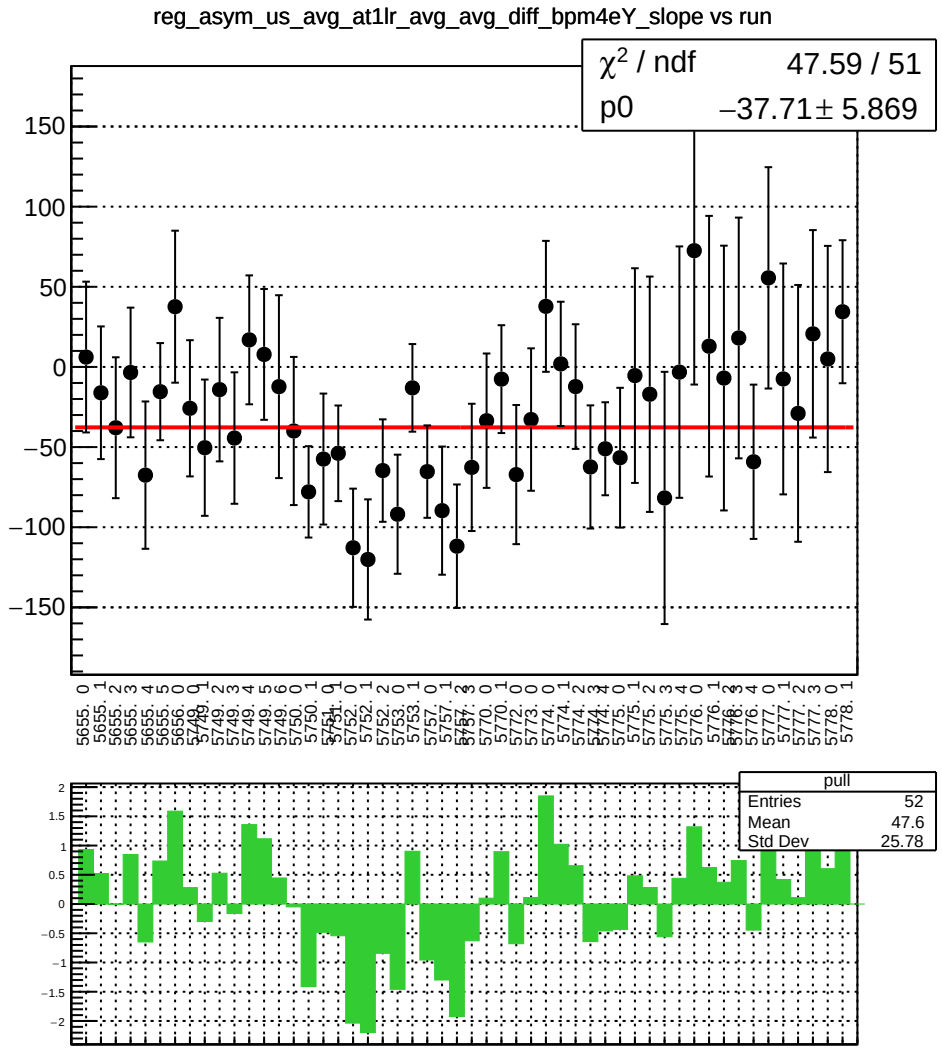

pull1D
Entries 52
Mean −0.002709
Std Dev 1.497

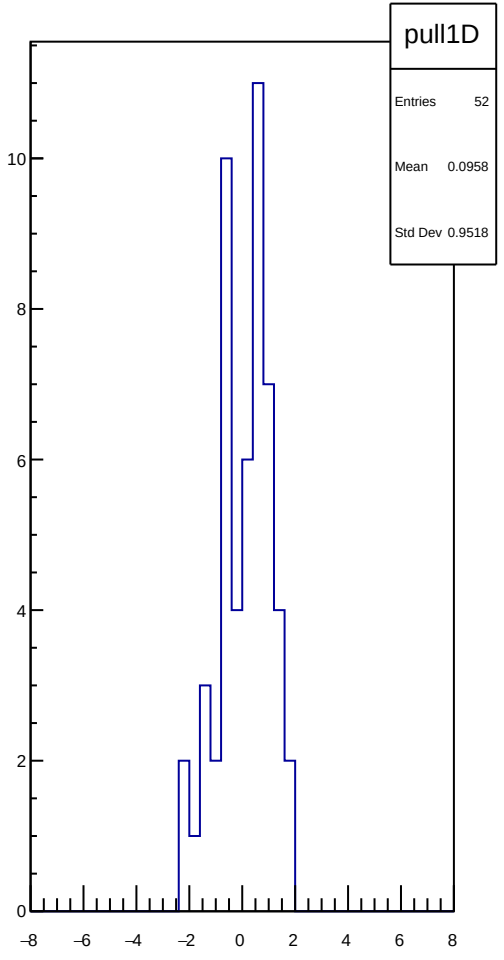

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 51.29 / 51
p0 41.21 ± 5.389
pull
Entries 52
Mean 44.28
Std Dev 32.38

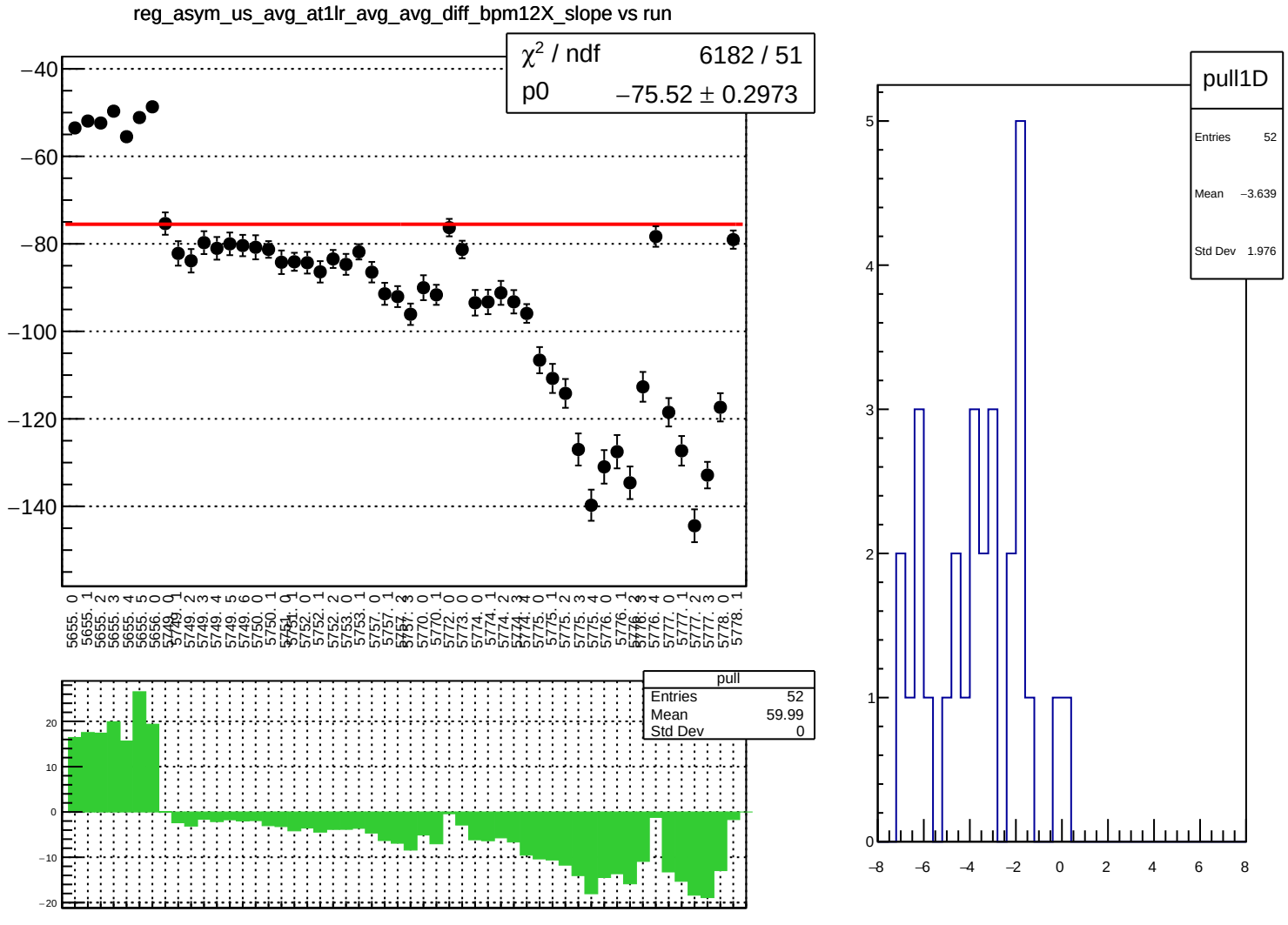

pull1D
Entries 52
Mean −0.08613
Std Dev 0.9894

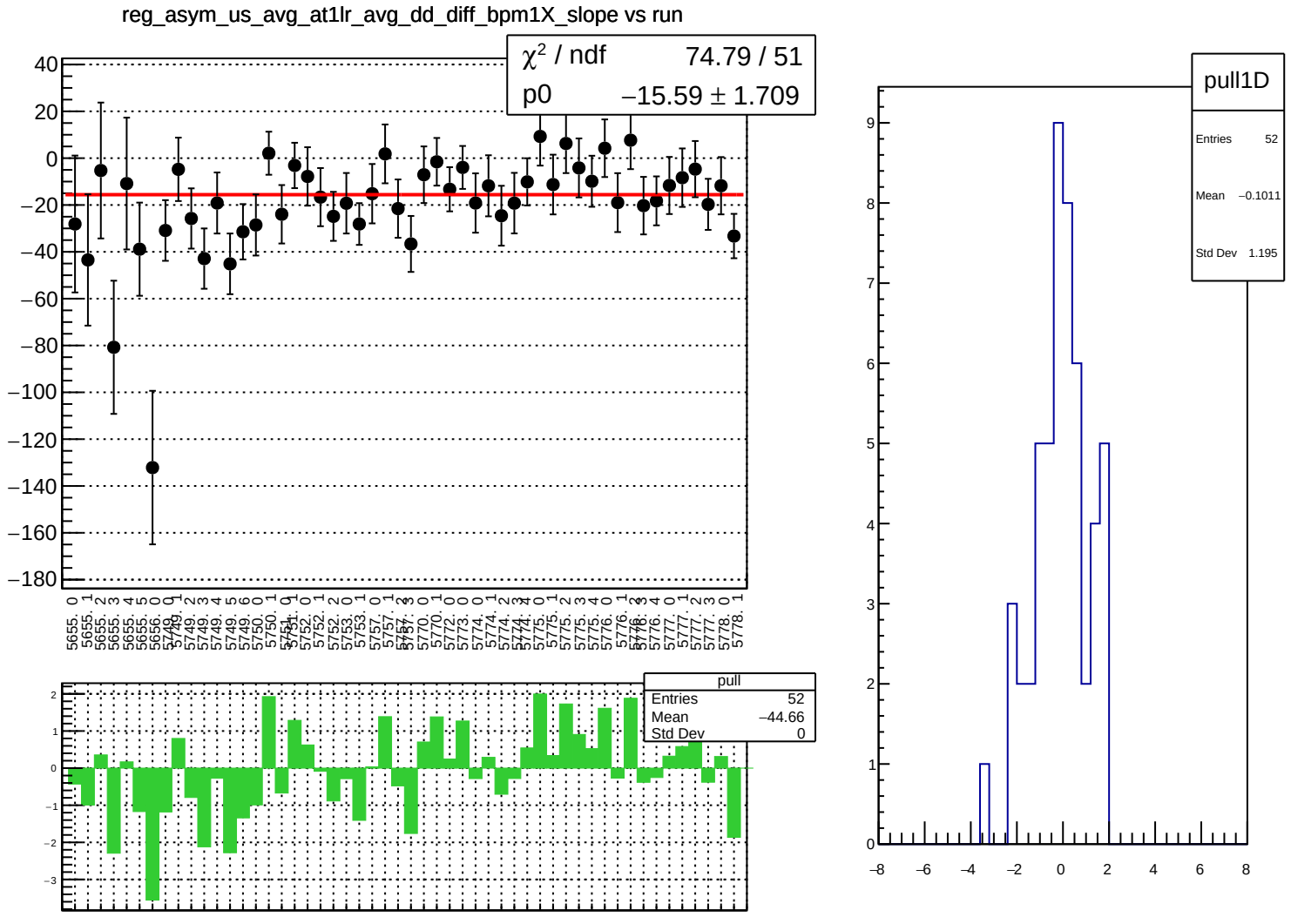

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 290.3 / 51
p0 234.8 ± 4.452
pull
Entries 52
Mean 188.1
Std Dev 0

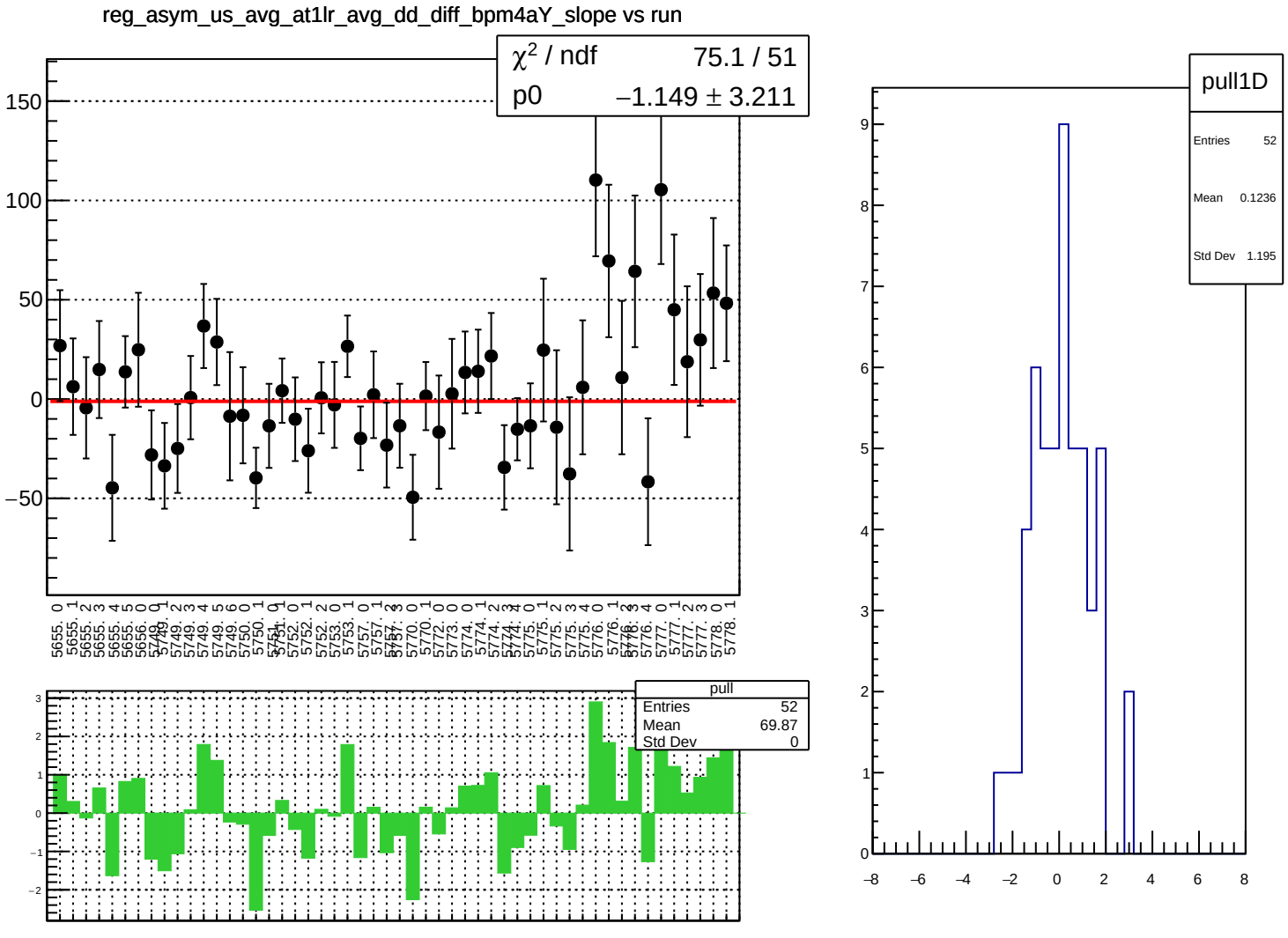

pull1D
Entries 52
Mean 0.1547
Std Dev 2.358

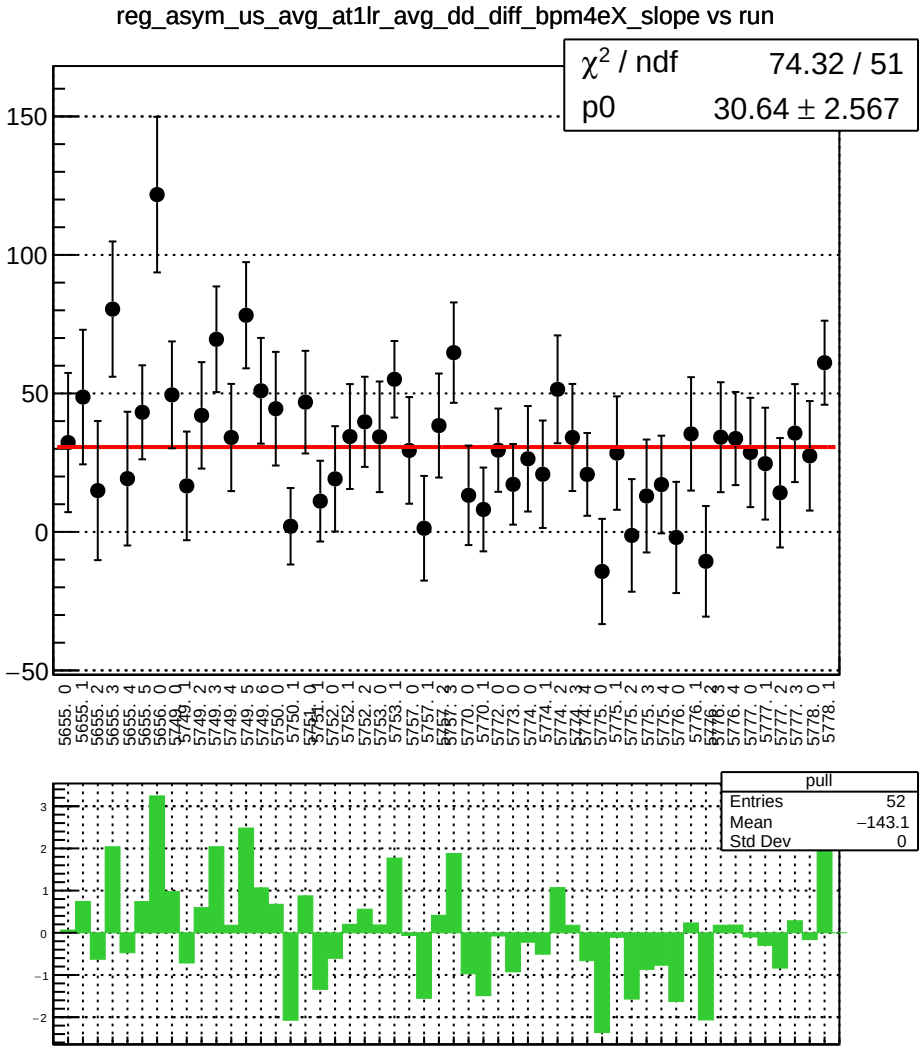

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 47.59 / 51
p0 −37.71 ± 5.869
pull
Entries 52
Mean 47.6
Std Dev 25.78

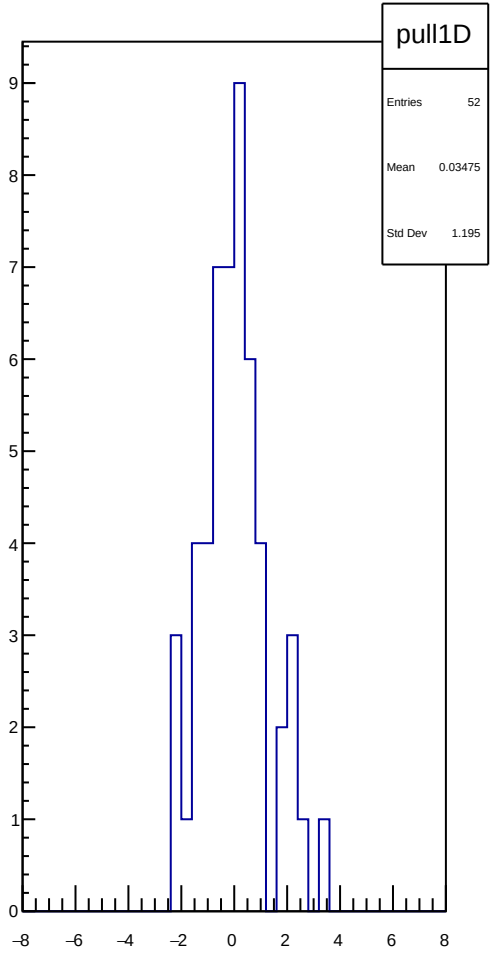

pull1D
Entries 52
Mean 0.0958
Std Dev 0.9518

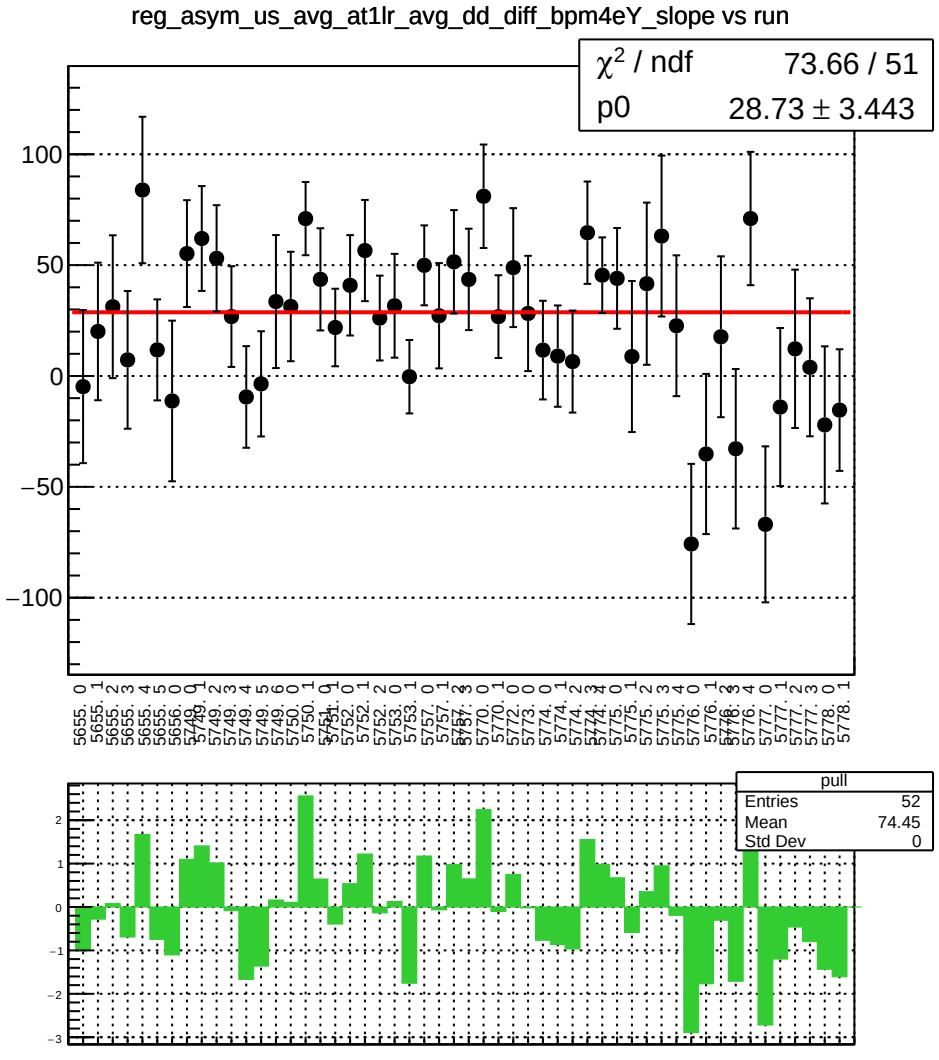

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 6182 / 51
p0 −75.52 ± 0.2973
pull
Entries 52
Mean 59.99
Std Dev 0
pull1D
Entries 52
Mean −3.639
Std Dev 1.976

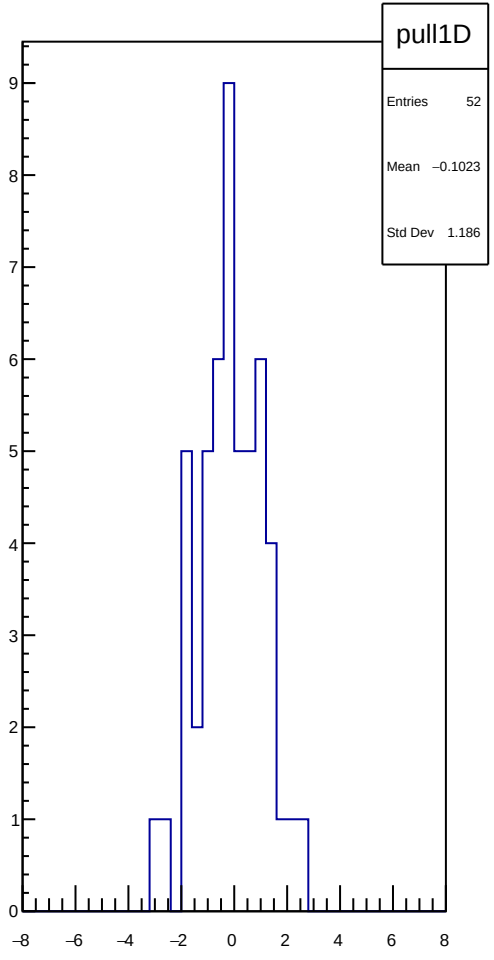

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 74.79 / 51
p0 −15.59 ± 1.709
pull
Entries 52
Mean −44.66
Std Dev 0
pull1D
Entries 52
Mean −0.1011
Std Dev 1.195

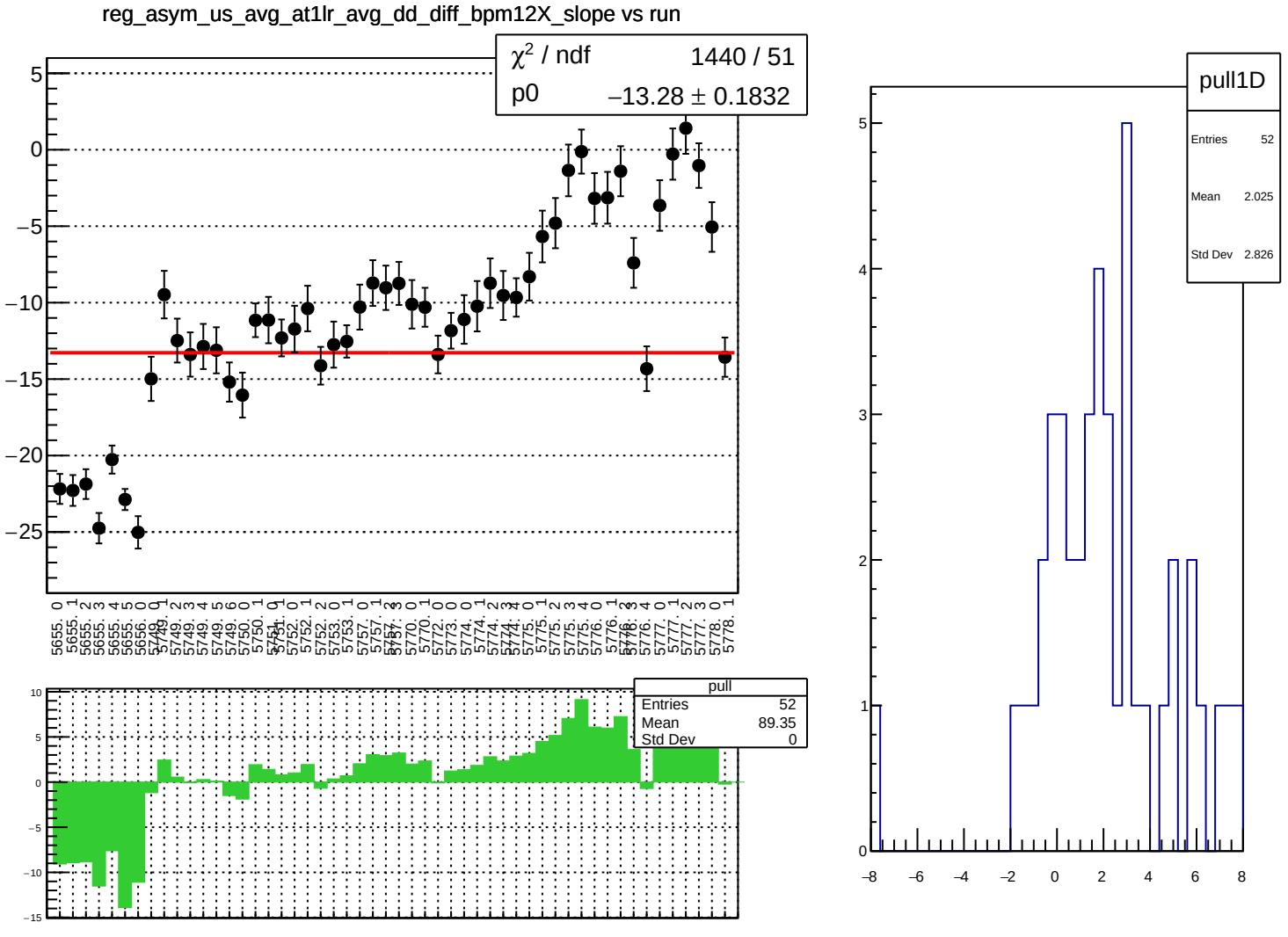

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 75.1 / 51
p0 −1.149 ± 3.211
150
100
50
0
−50
pull
Entries 52
Mean 69.87
Std Dev 0
pull1D
Entries 52
Mean 0.1236
Std Dev 1.195

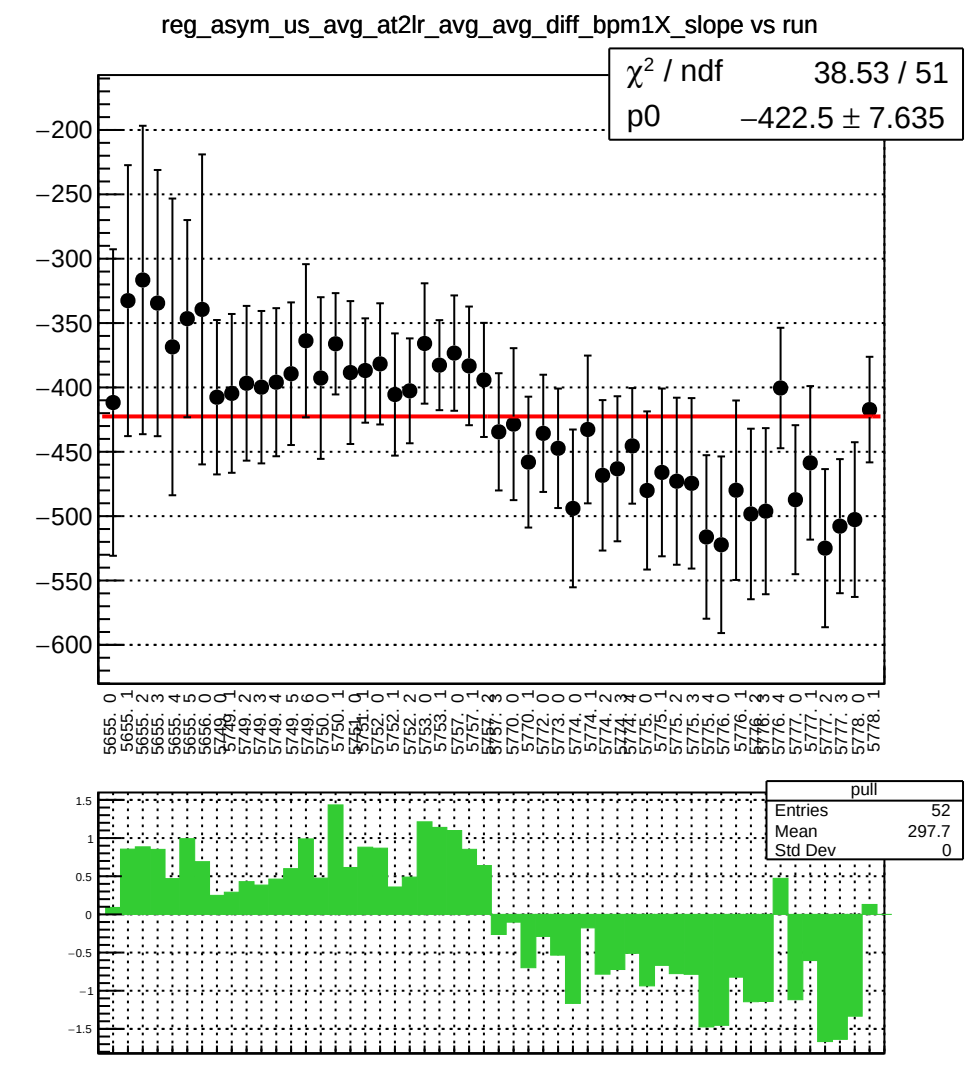

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 74.32 / 51
p0 30.64 ± 2.567
150
100
50
0
−50
pull
Entries 52
Mean −143.1
Std Dev 0
3
2
1
0
−1
−2

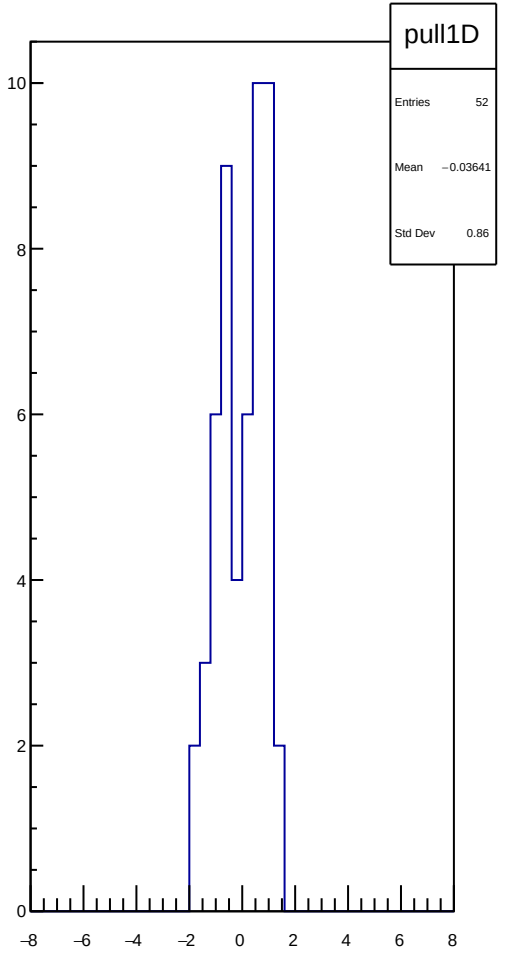

pull1D
Entries 52
Mean 0.03475
Std Dev 1.195
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

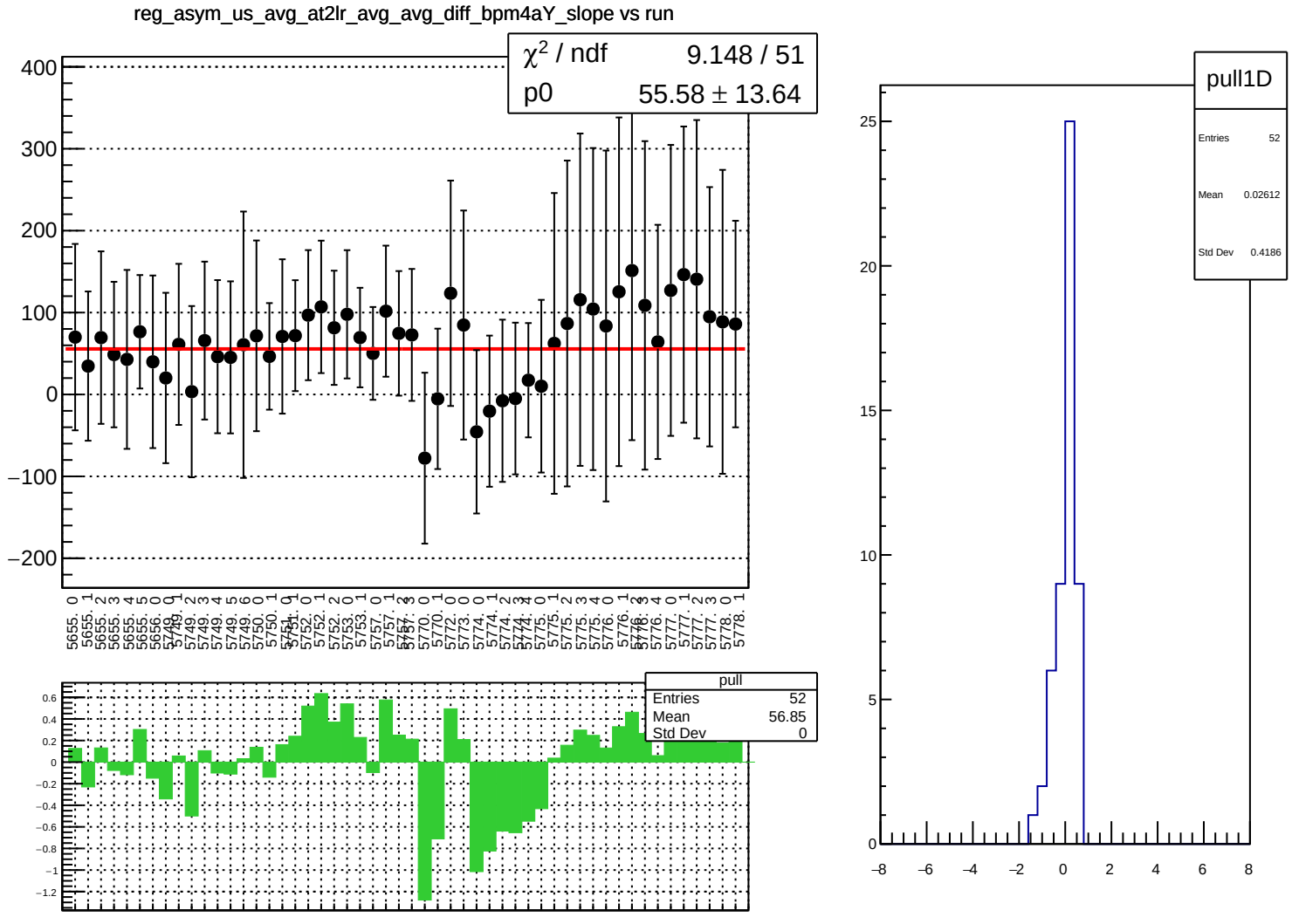

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 73.66 / 51
p0 28.73 ± 3.443
pull
Entries 52
Mean 74.45
Std Dev 0

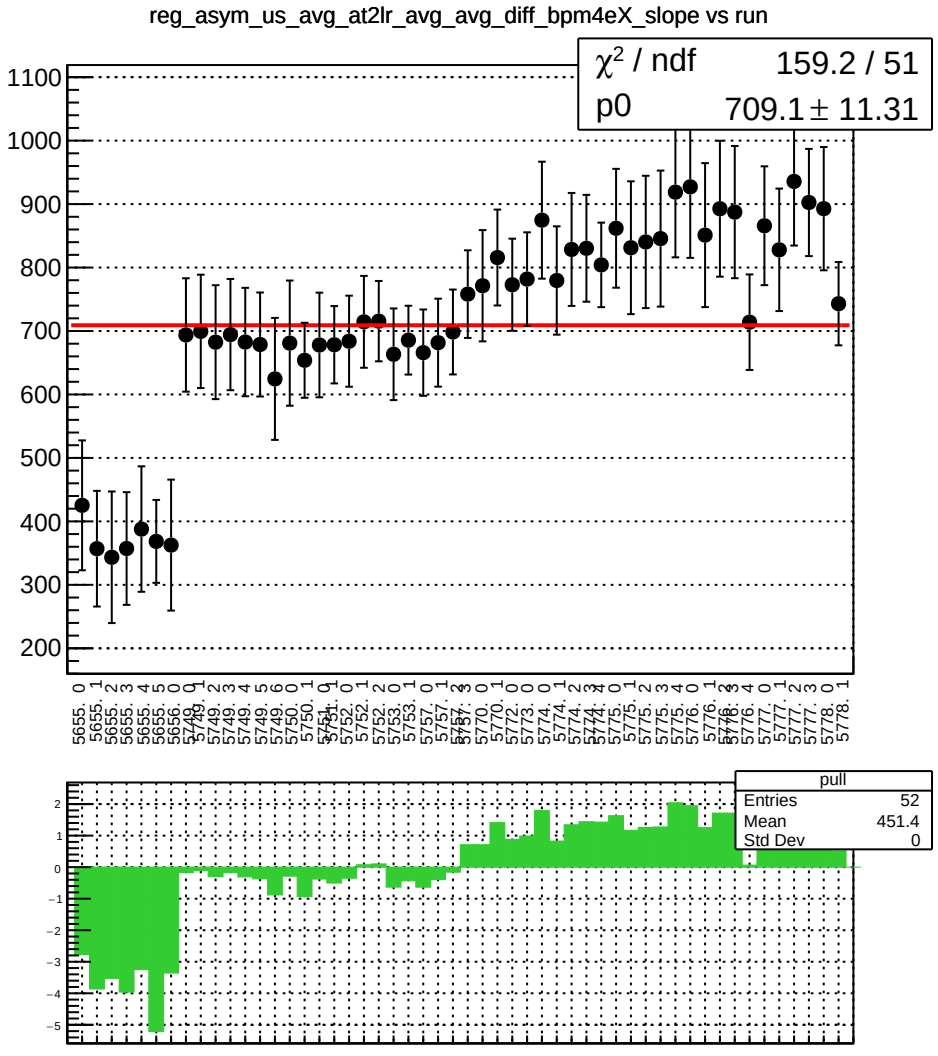

pull1D
Entries 52
Mean −0.1023
Std Dev 1.186

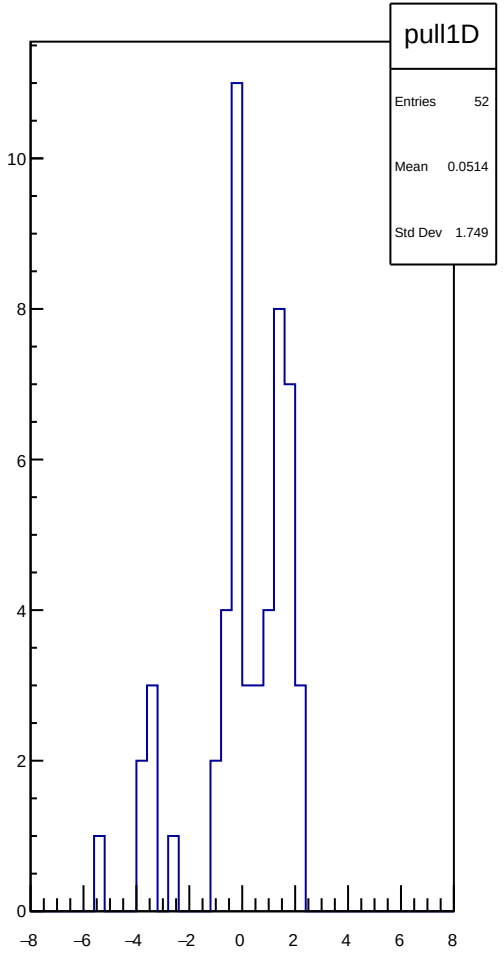

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 1440 / 51
p0 −13.28 ± 0.1832
pull
Entries 52
Mean 89.35
Std Dev 0
pull1D
Entries 52
Mean 2.025
Std Dev 2.826

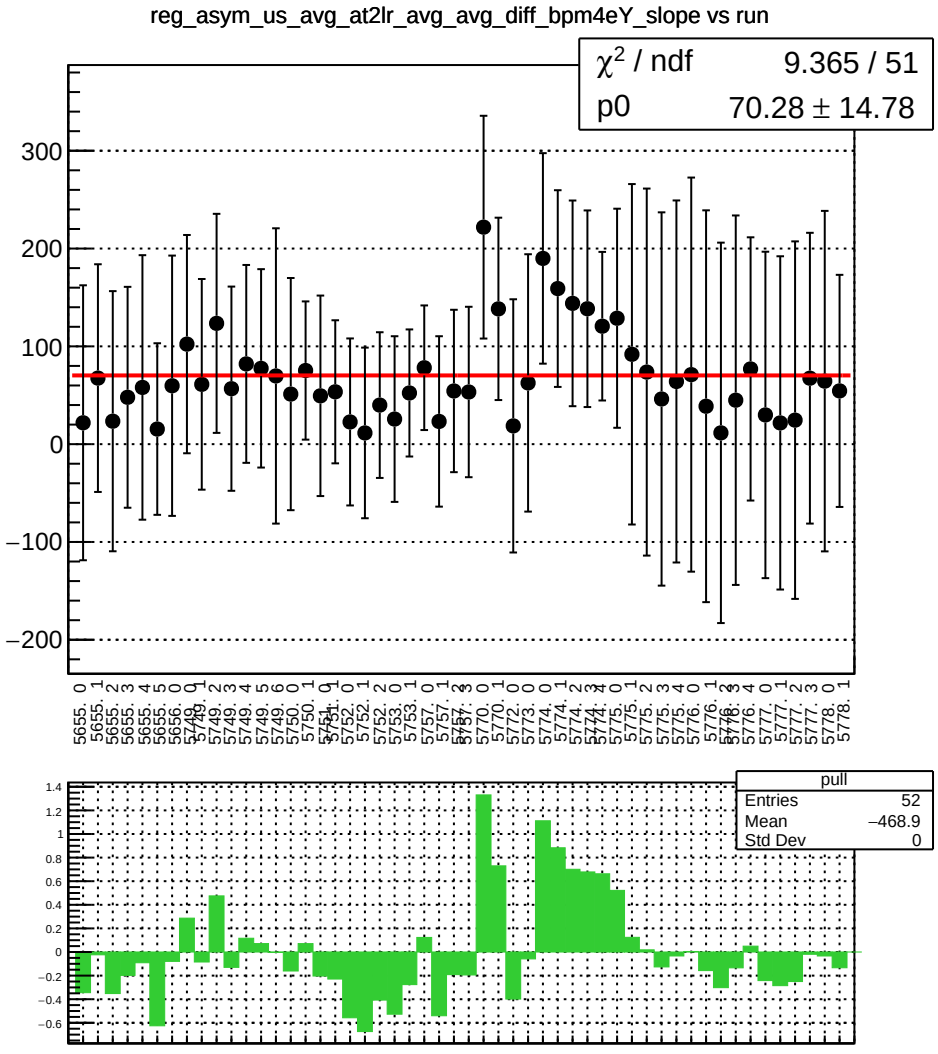

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 38.53 / 51
p0 −422.5 ± 7.635
pull
Entries 52
Mean 297.7
Std Dev 0

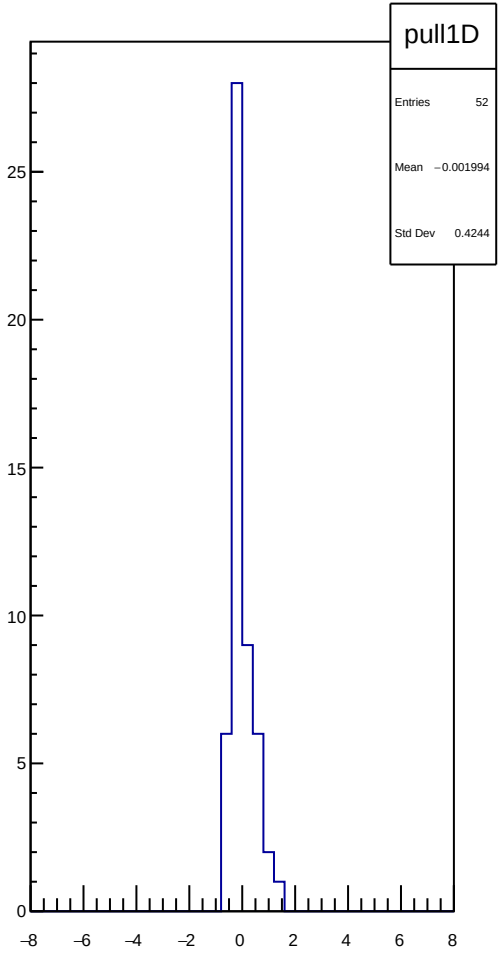

pull1D
Entries 52
Mean −0.03641
Std Dev 0.86

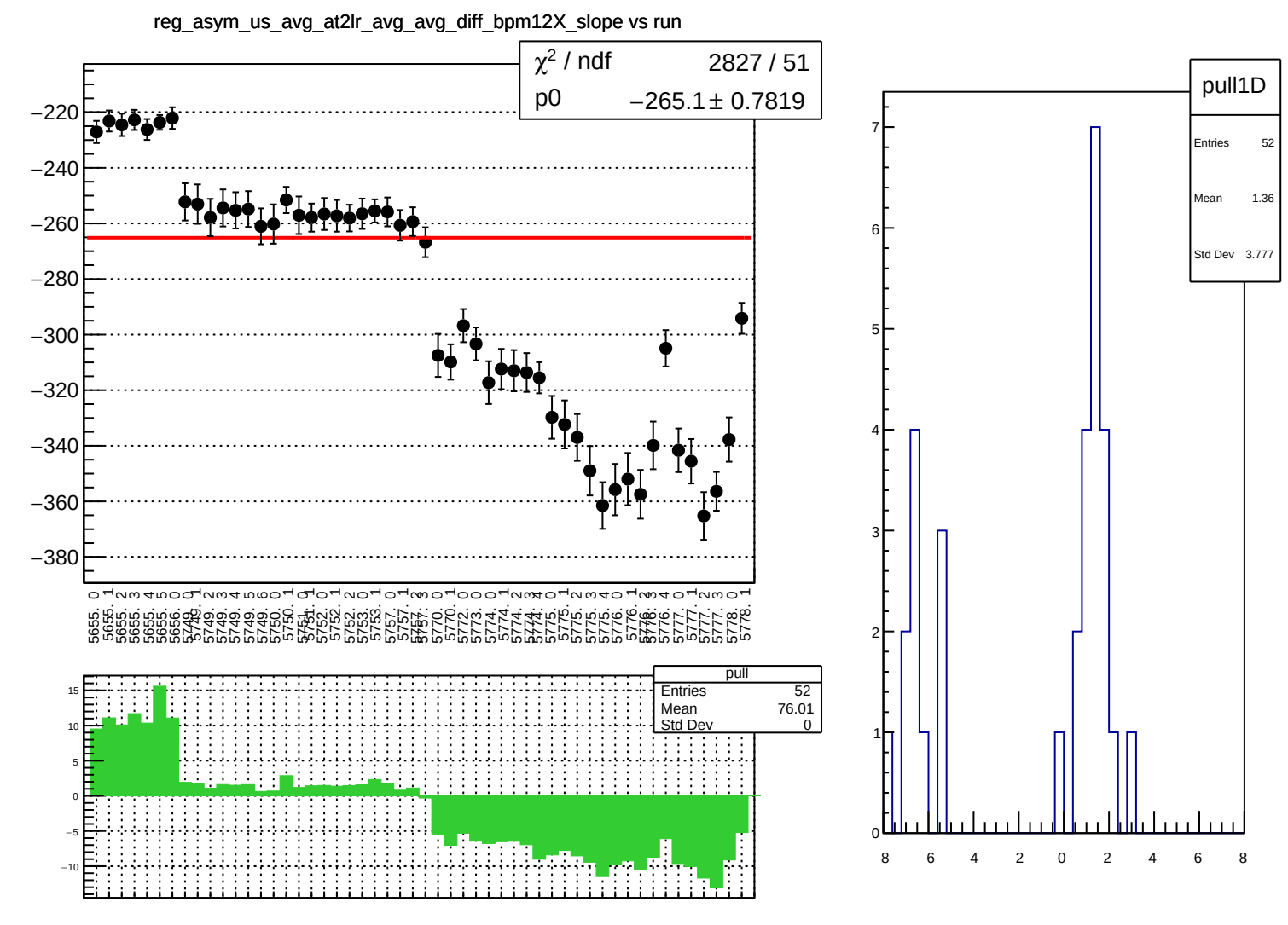

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.148 / 51
p0 55.58 ± 13.64
pull
Entries 52
Mean 56.85
Std Dev 0
pull1D
Entries 52
Mean 0.02612
Std Dev 0.4186

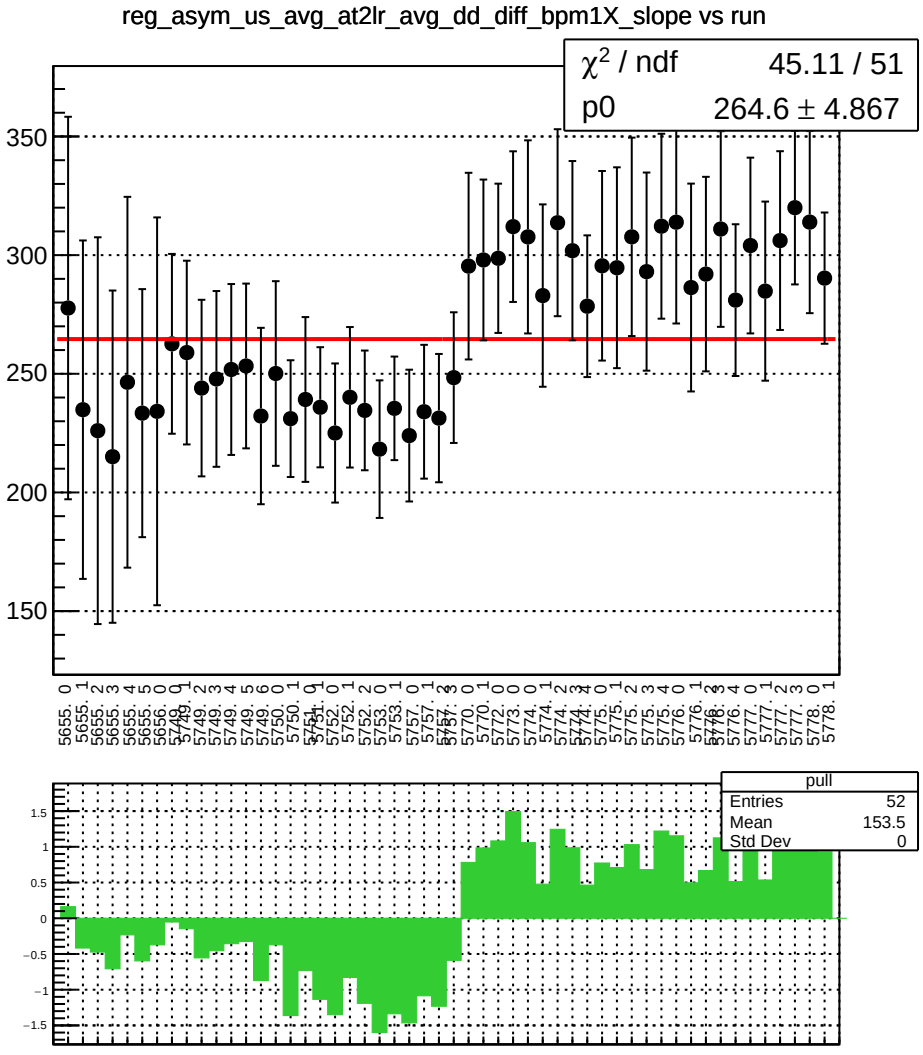

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 159.2 / 51
p0 709.1 ± 11.31
pull
Entries 52
Mean 451.4
Std Dev 0

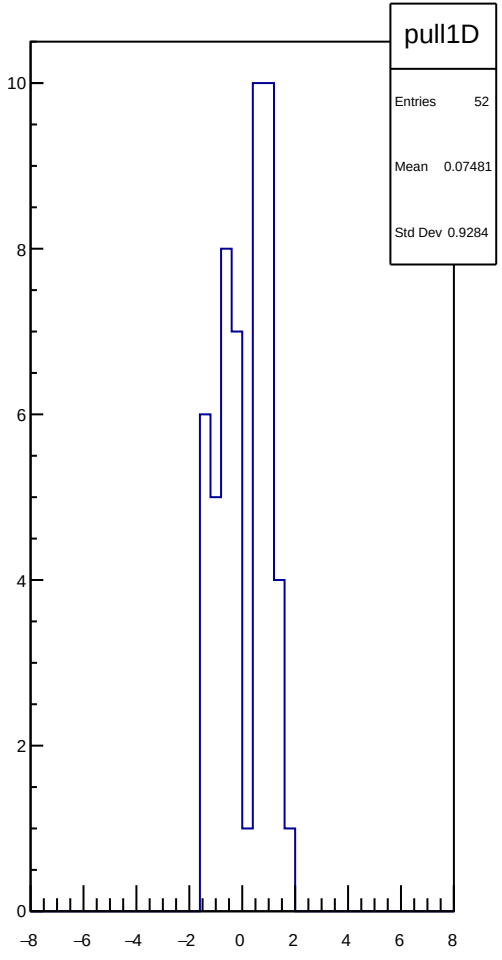

pull1D
Entries 52
Mean 0.0514
Std Dev 1.749

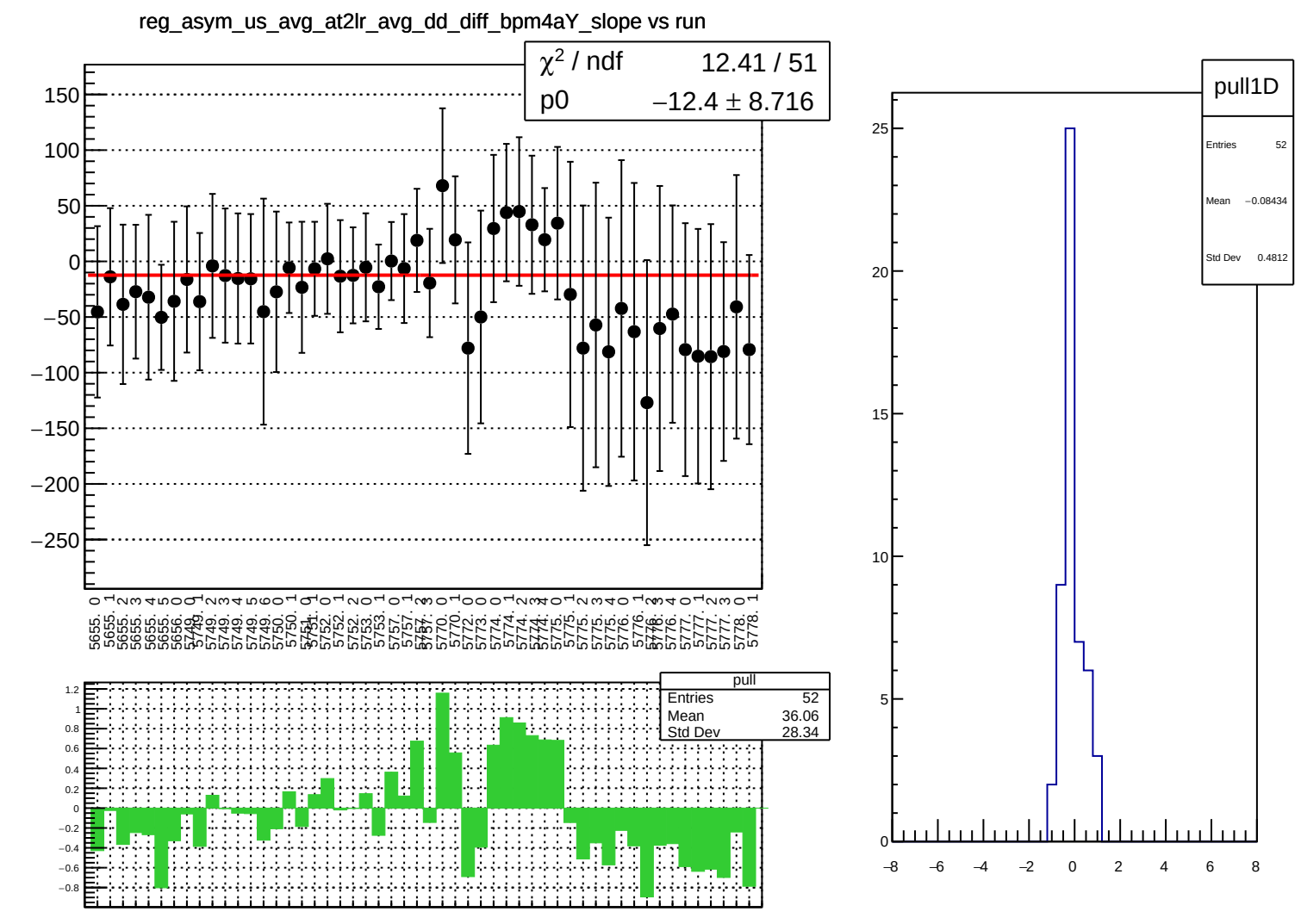

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.365 / 51
p0 70.28 ± 14.78
pull
Entries 52
Mean −468.9
Std Dev 0

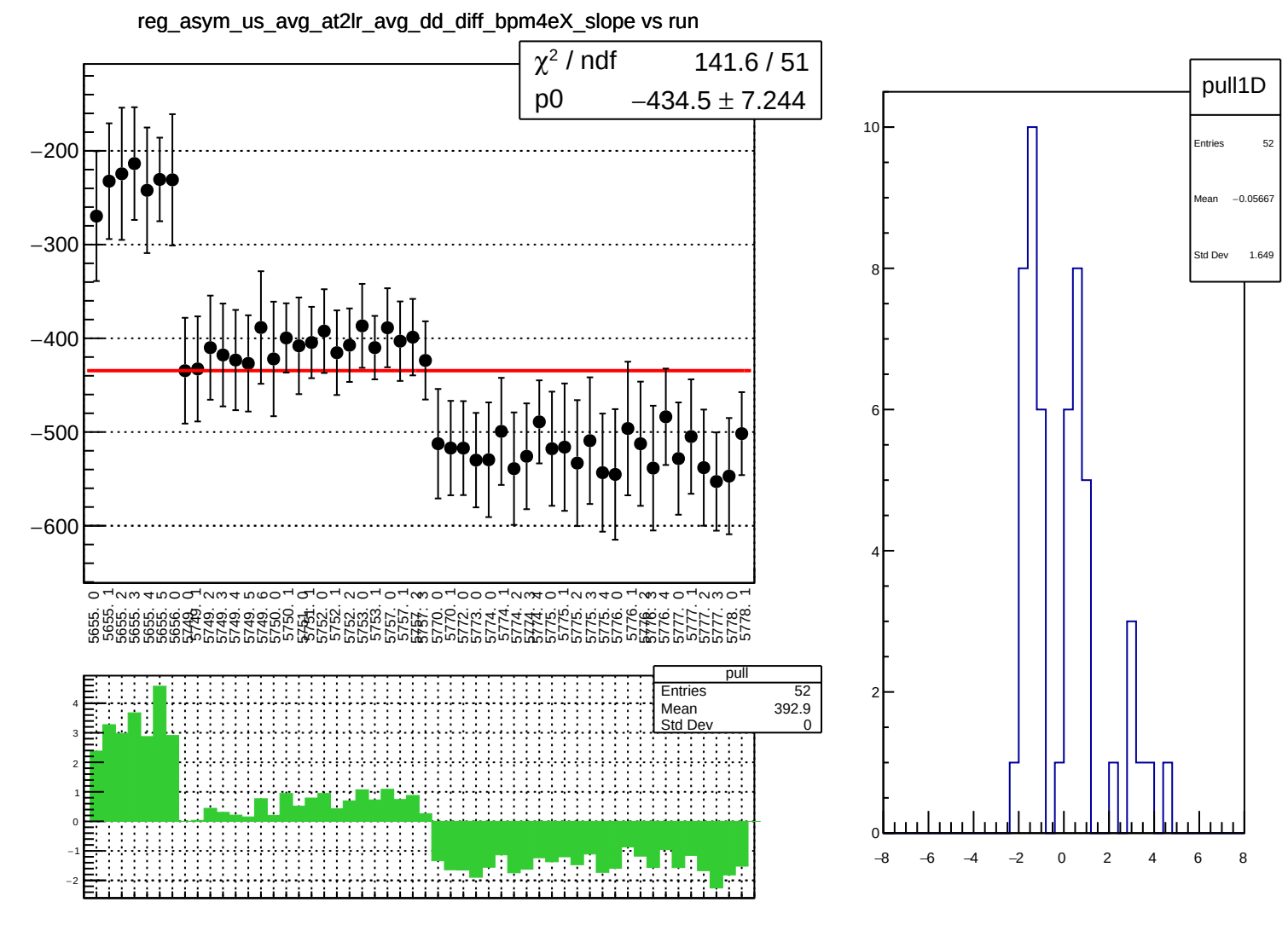

pull1D
Entries 52
Mean −0.001994
Std Dev 0.4244

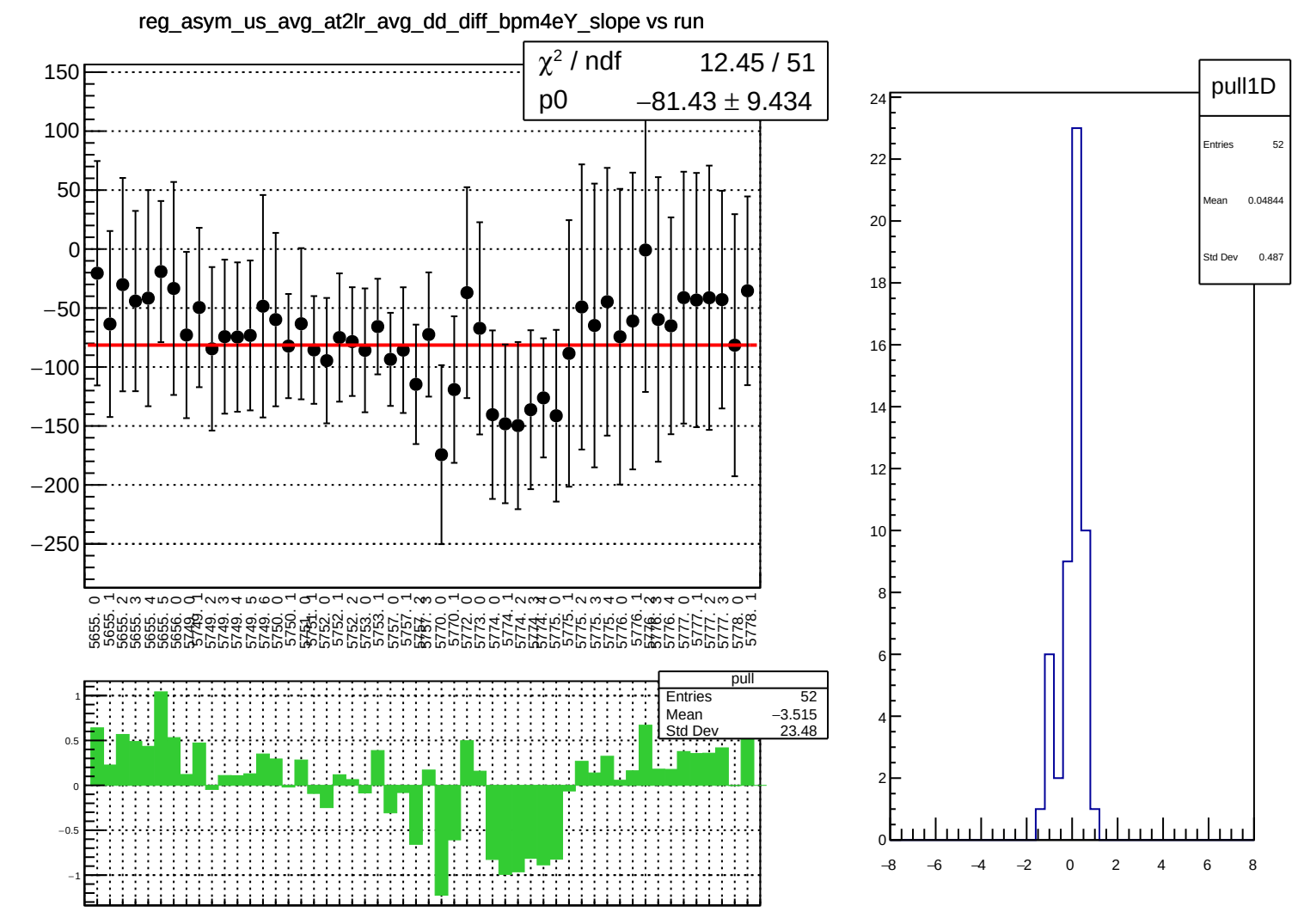

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 2827 / 51
p0 −265.1 ± 0.7819
pull
Entries 52
Mean 76.01
Std Dev 0
pull1D
Entries 52
Mean −1.36
Std Dev 3.777

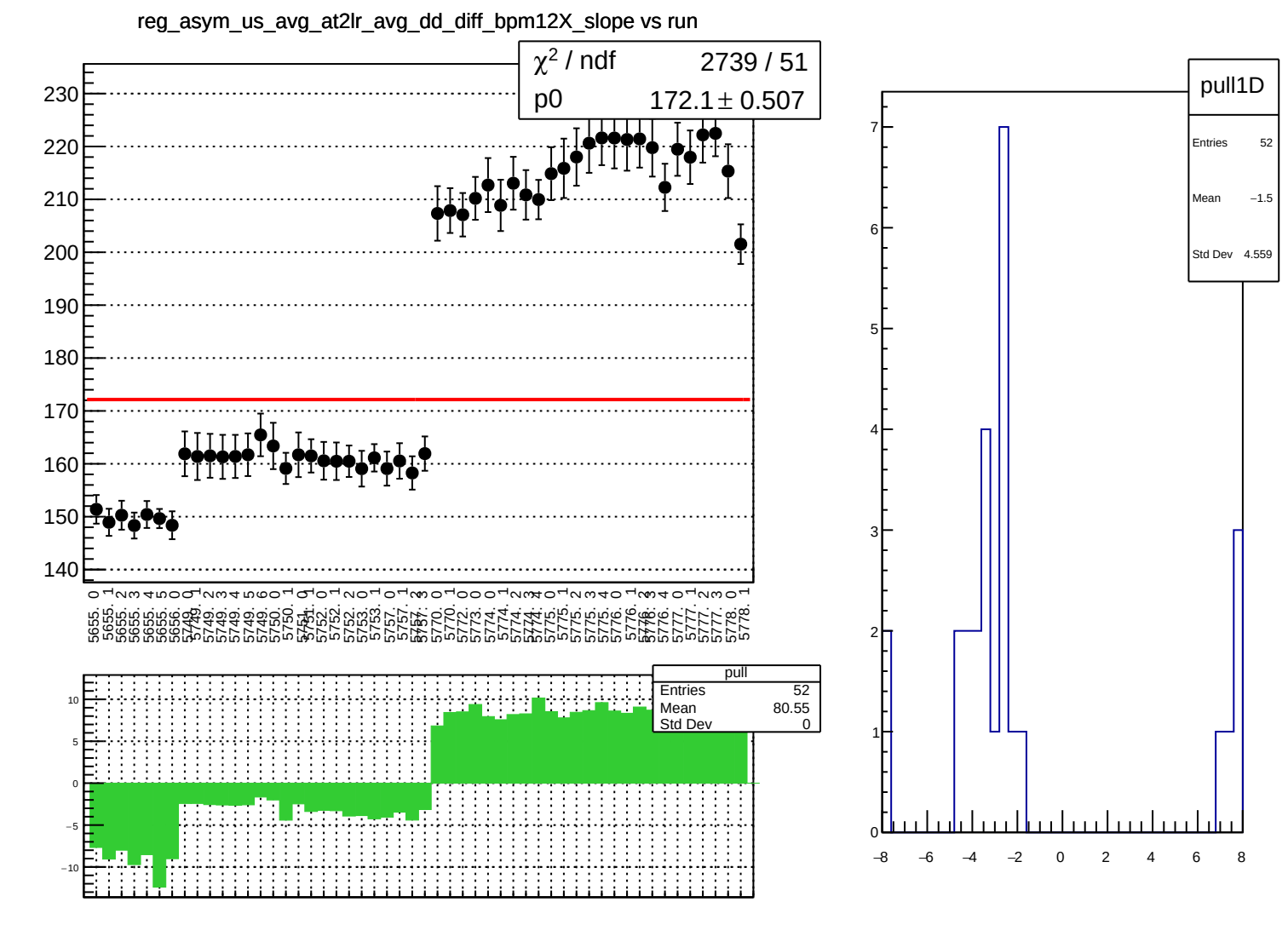

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 45.11 / 51
p0 264.6 ± 4.867
350
300
250
200
150
pull
Entries 52
Mean 153.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

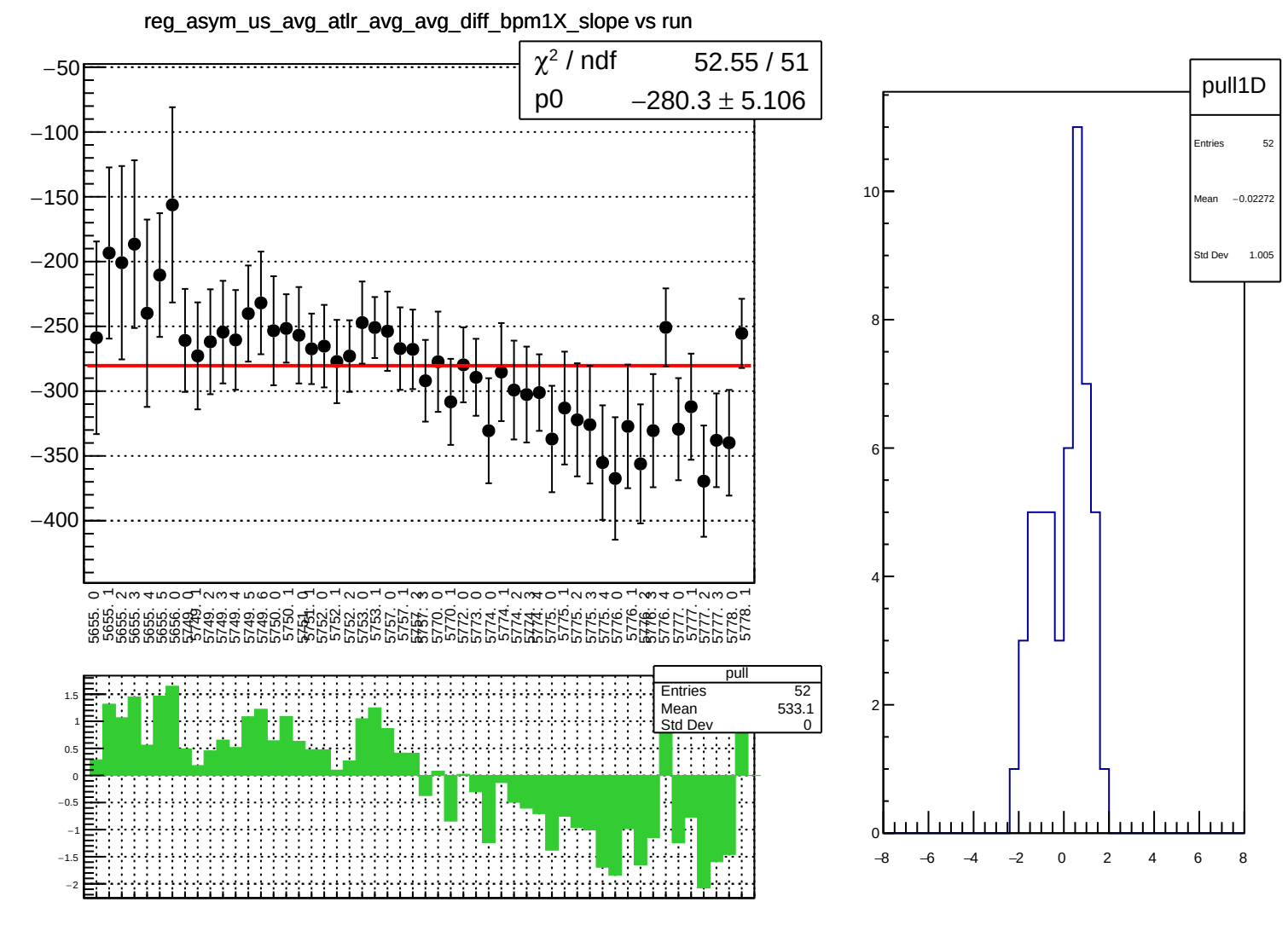

pull1D
Entries 52
Mean 0.07481
Std Dev 0.9284
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

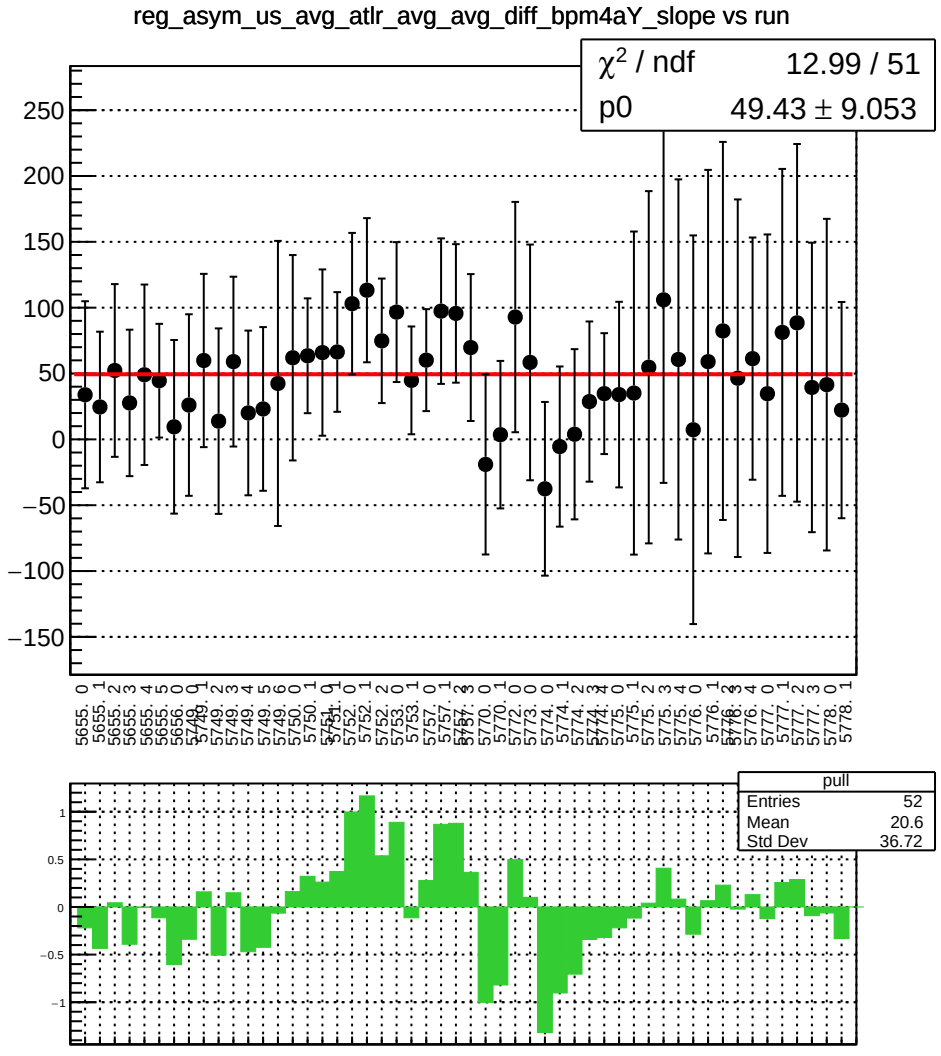

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.41 / 51
p0 −12.4 ± 8.716
pull
Entries 52
Mean 36.06
Std Dev 28.34
pull1D
Entries 52
Mean −0.08434
Std Dev 0.4812

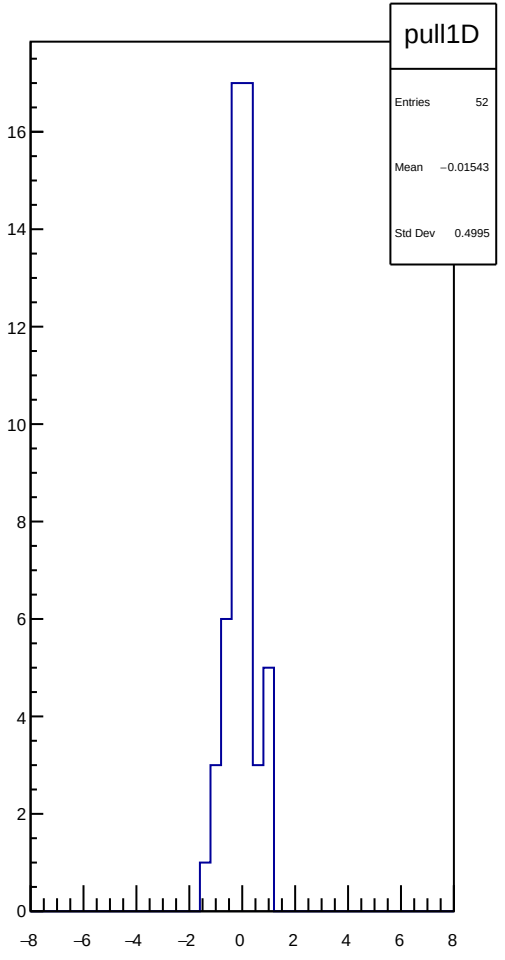

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 141.6 / 51
p0 −434.5 ± 7.244
−200
−300
−400
−500
−600
pull
Entries 52
Mean 392.9
Std Dev 0
pull1D
Entries 52
Mean −0.05667
Std Dev 1.649

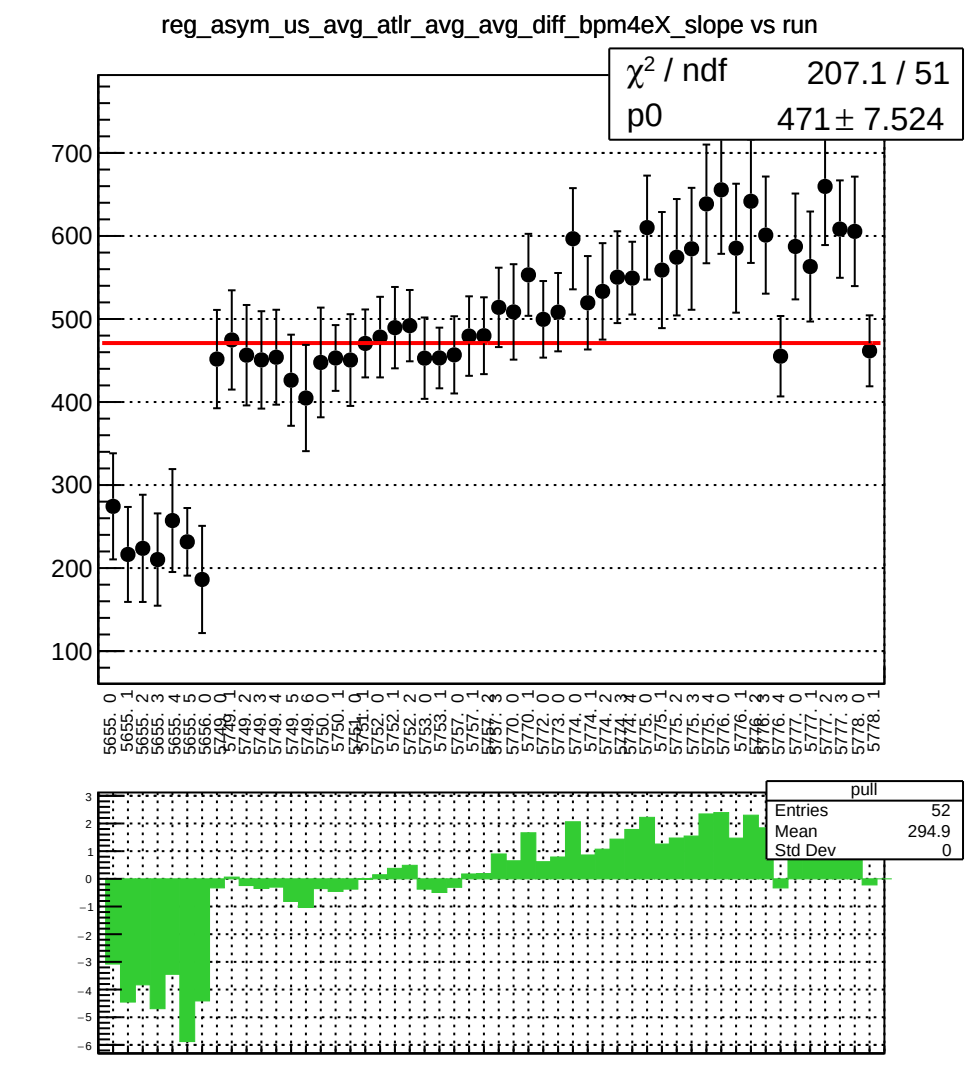

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.45 / 51
p0 −81.43 ± 9.434
pull
Entries 52
Mean −3.515
Std Dev 23.48
pull1D
Entries 52
Mean 0.04844
Std Dev 0.487

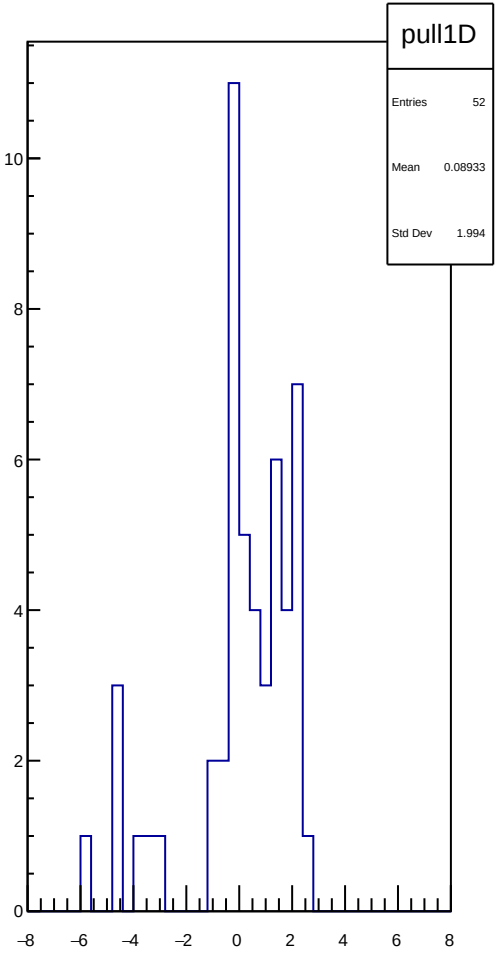

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 2739 / 51
p0 172.1 ± 0.507
pull
Entries 52
Mean 80.55
Std Dev 0
pull1D
Entries 52
Mean −1.5
Std Dev 4.559

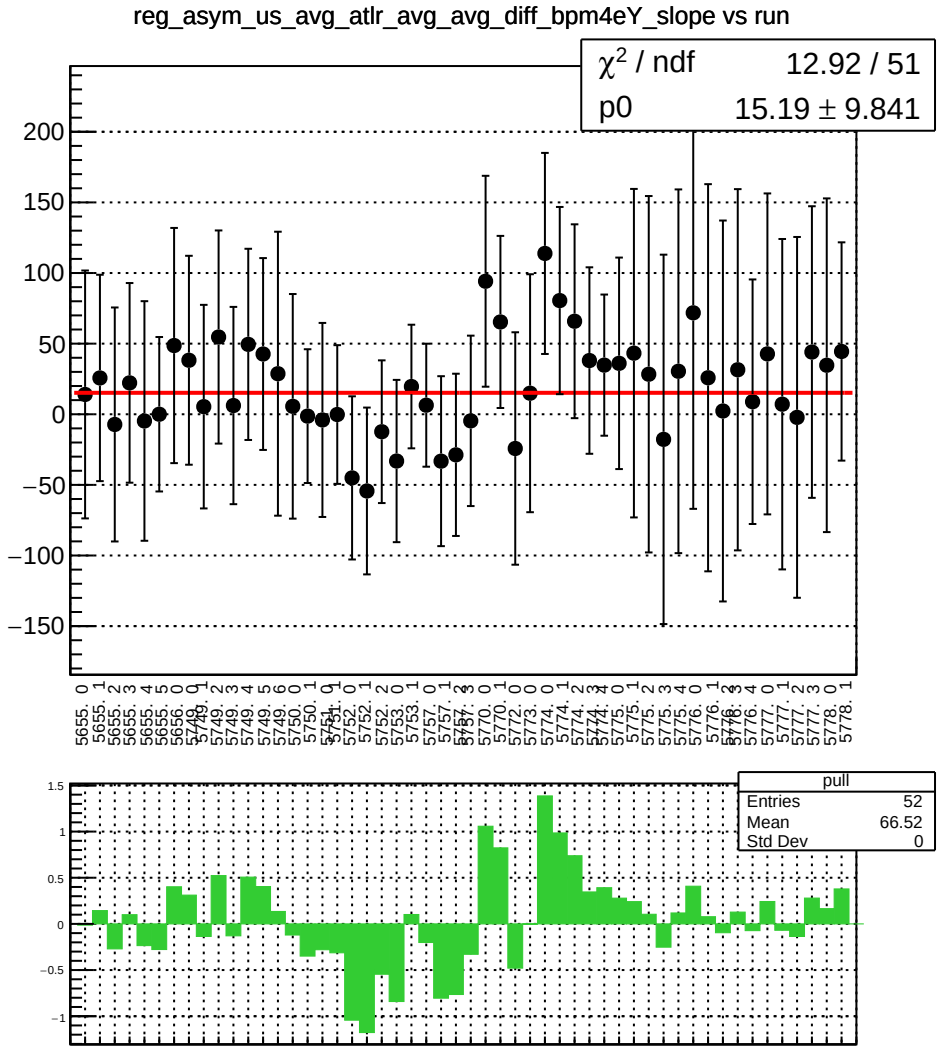

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 52.55 / 51
p0 −280.3 ± 5.106
pull
Entries 52
Mean 533.1
Std Dev 0
pull1D
Entries 52
Mean −0.02272
Std Dev 1.005

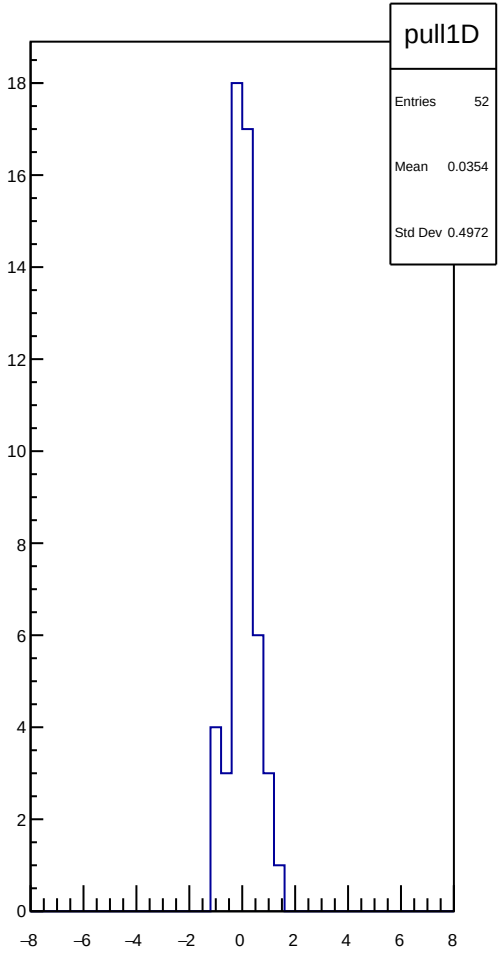

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.99 / 51
p0 49.43 ± 9.053
pull
Entries 52
Mean 20.6
Std Dev 36.72

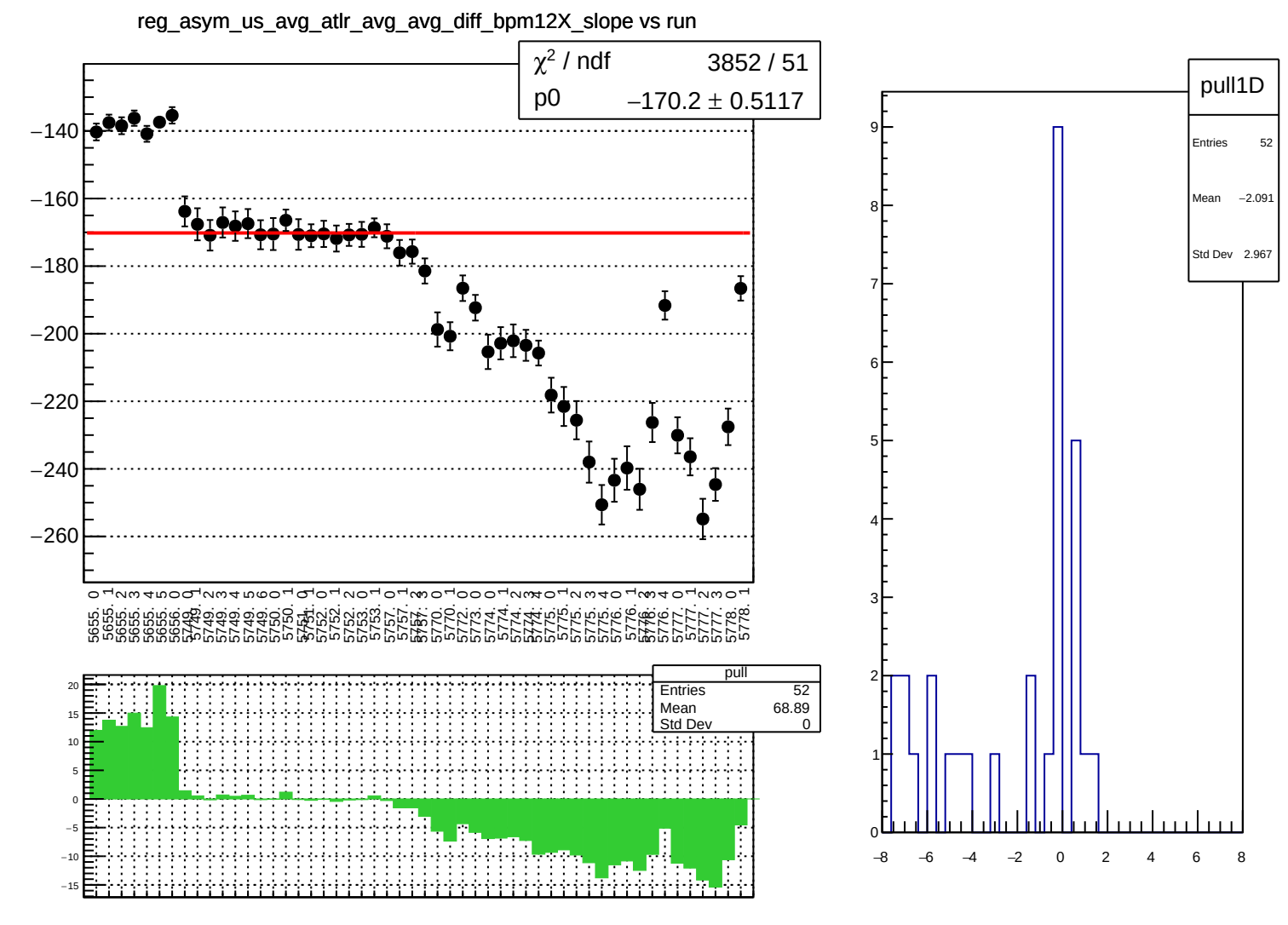

pull1D
Entries 52
Mean −0.01543
Std Dev 0.4995

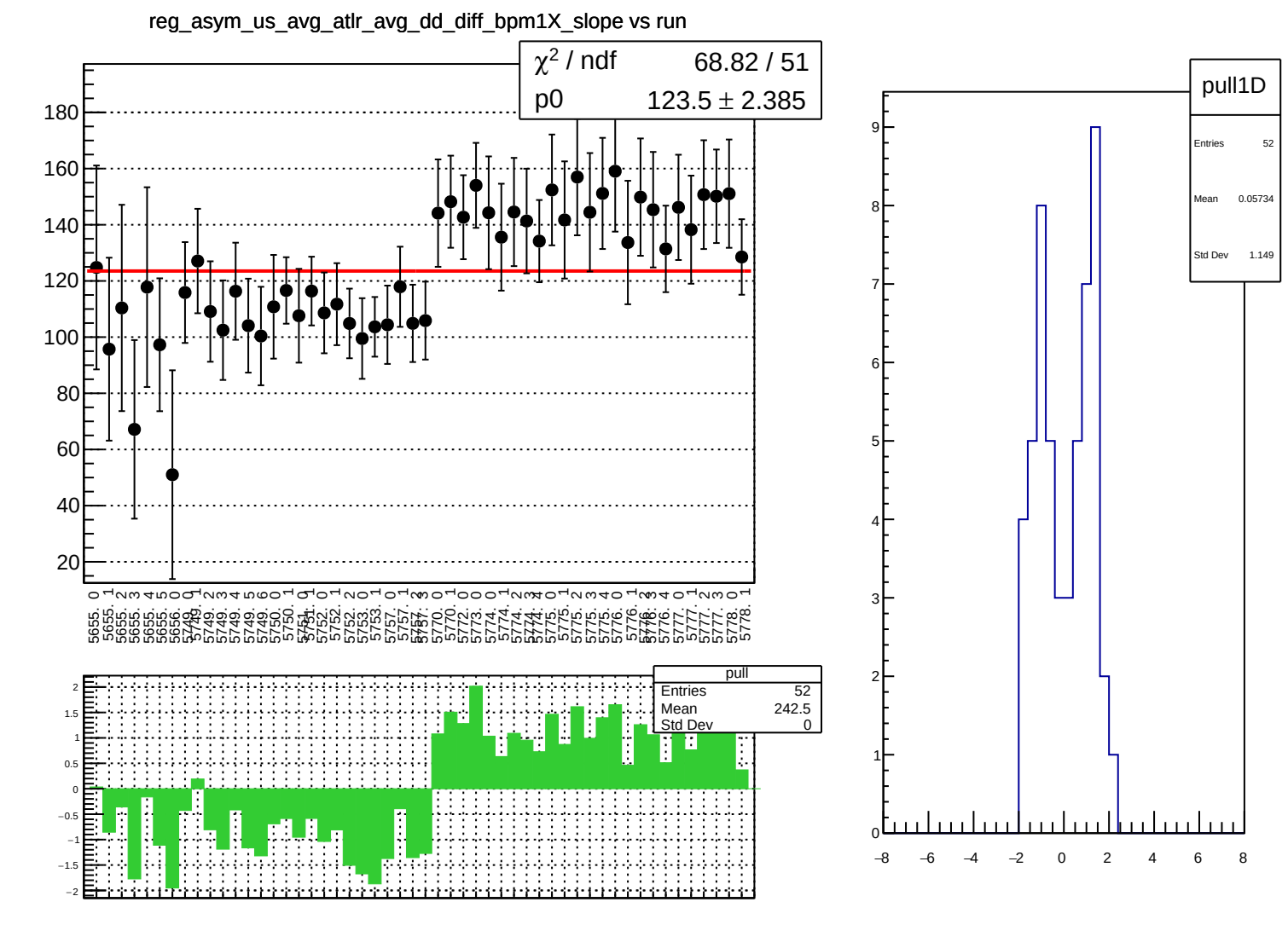

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 207.1 / 51
p0 471 ± 7.524
pull
Entries 52
Mean 294.9
Std Dev 0

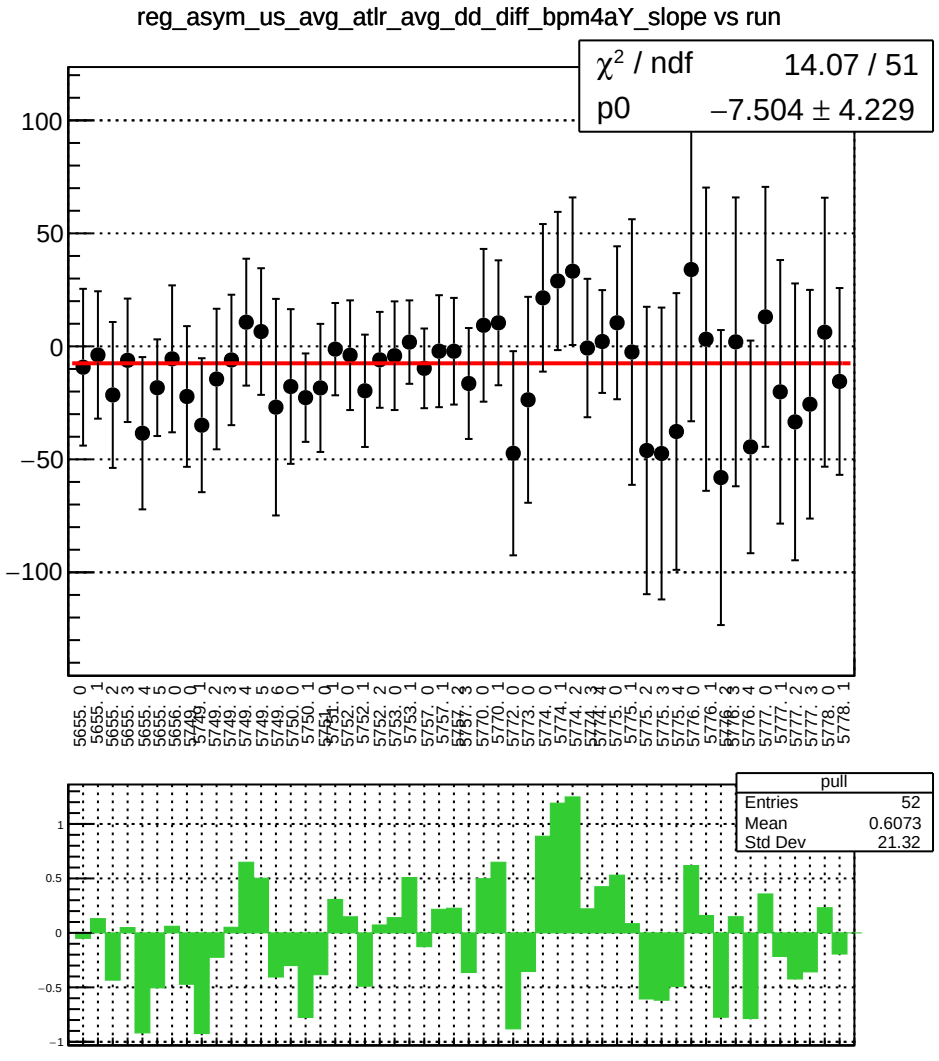

pull1D
Entries 52
Mean 0.08933
Std Dev 1.994

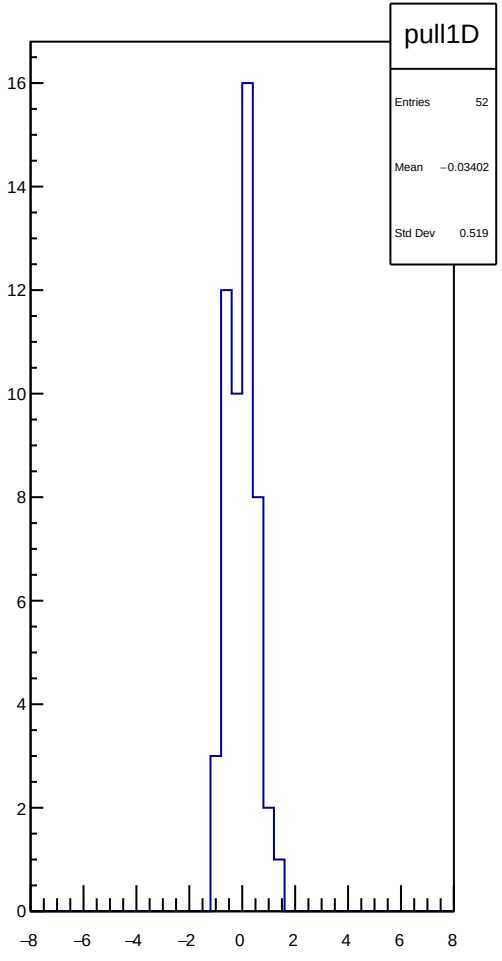

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.92 / 51
p0 15.19 ± 9.841
pull
Entries 52
Mean 66.52
Std Dev 0

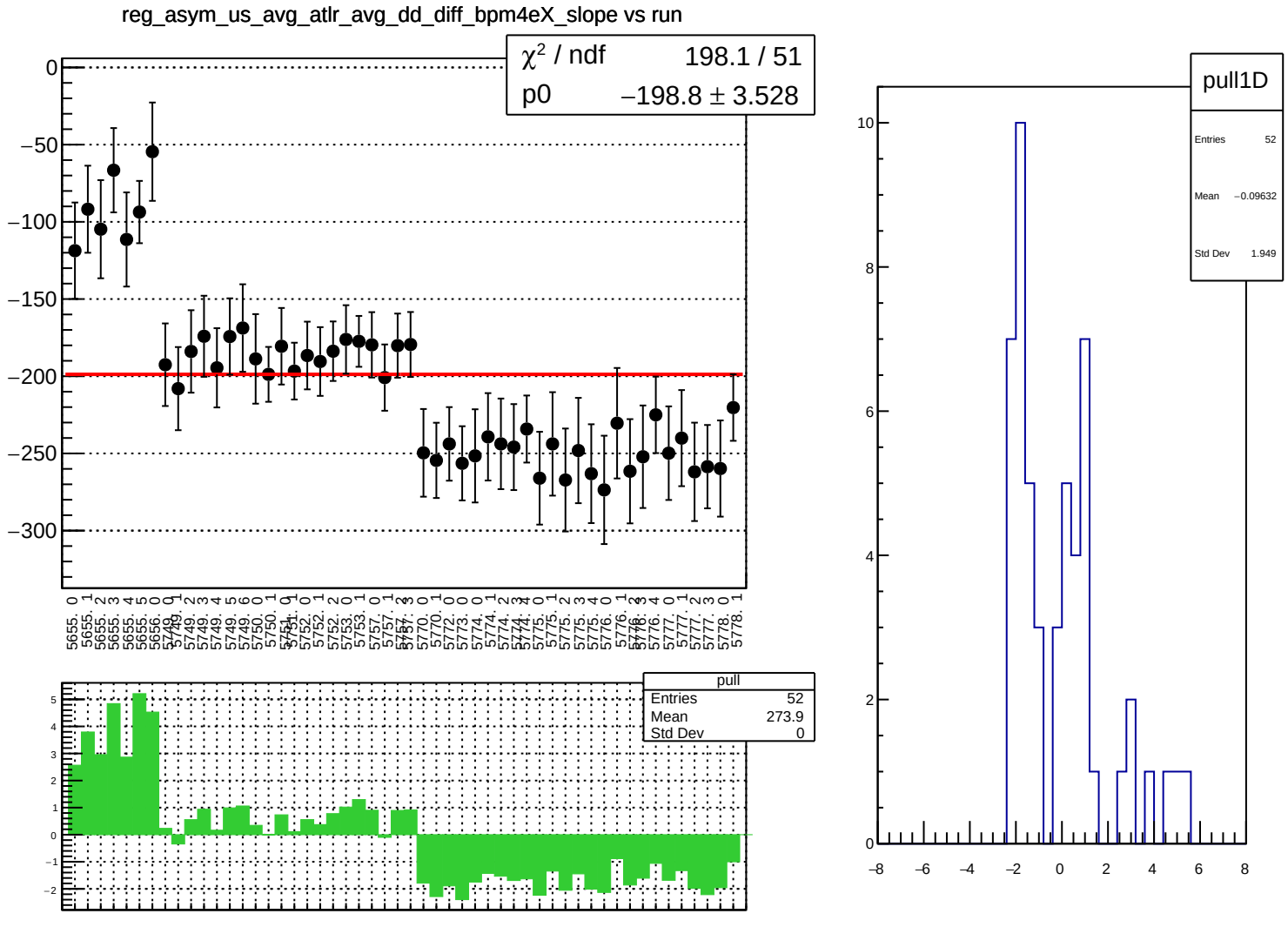

pull1D
Entries 52
Mean 0.0354
Std Dev 0.4972

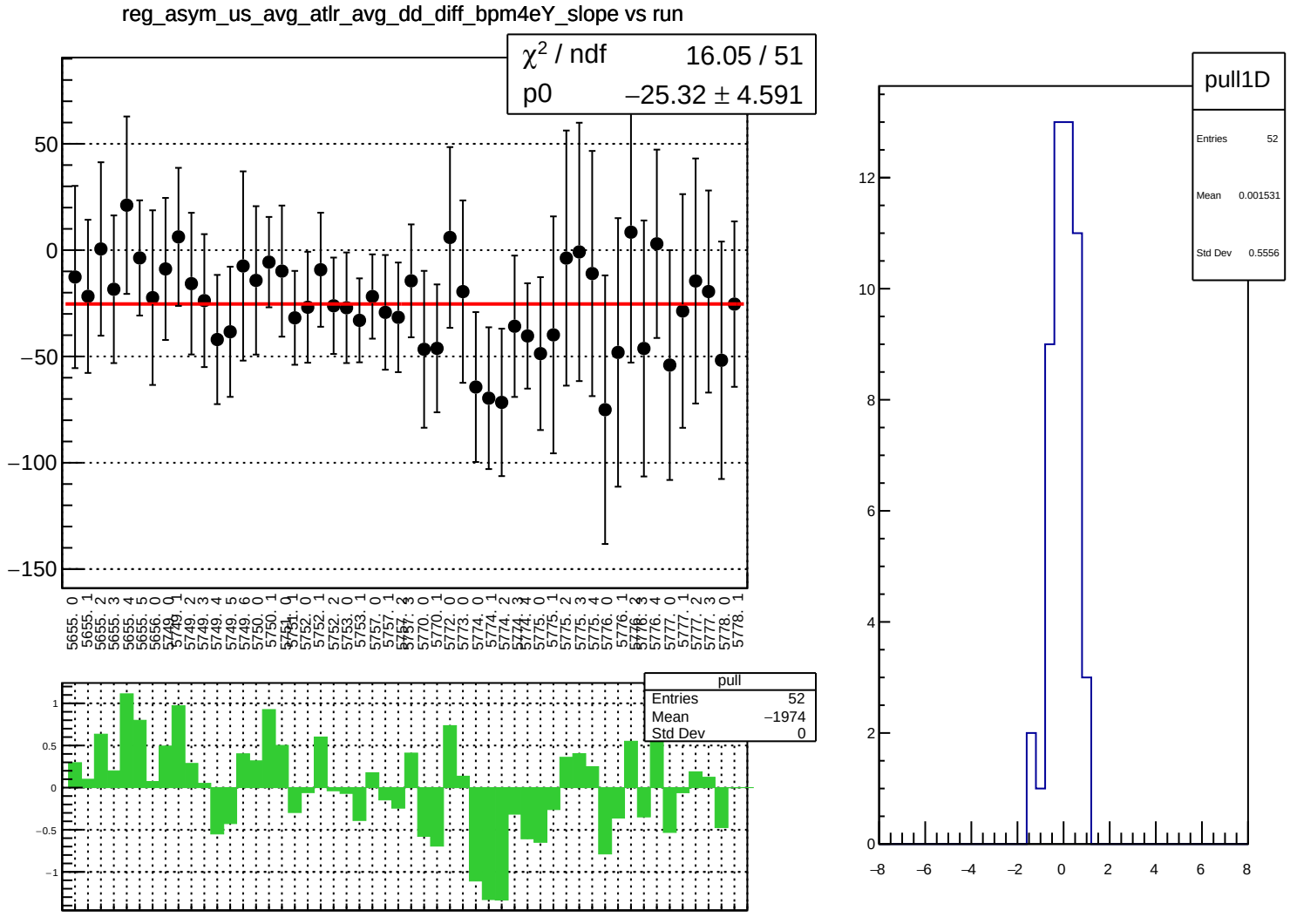

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 3852 / 51
p0 −170.2 ± 0.5117
pull
Entries 52
Mean 68.89
Std Dev 0
pull1D
Entries 52
Mean −2.091
Std Dev 2.967

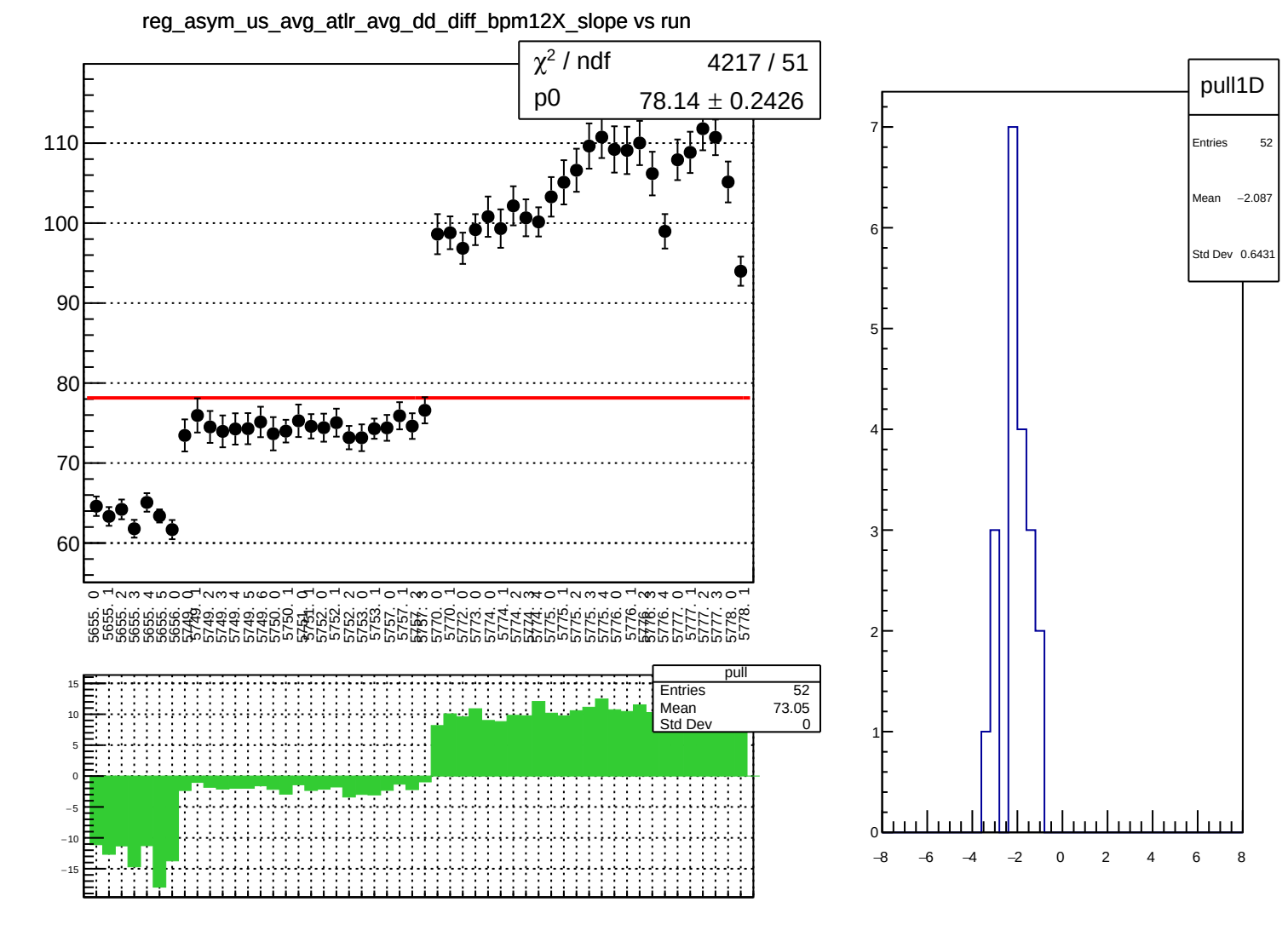

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 68.82 / 51
p0 123.5 ± 2.385
pull
Entries 52
Mean 242.5
Std Dev 0
pull1D
Entries 52
Mean 0.05734
Std Dev 1.149

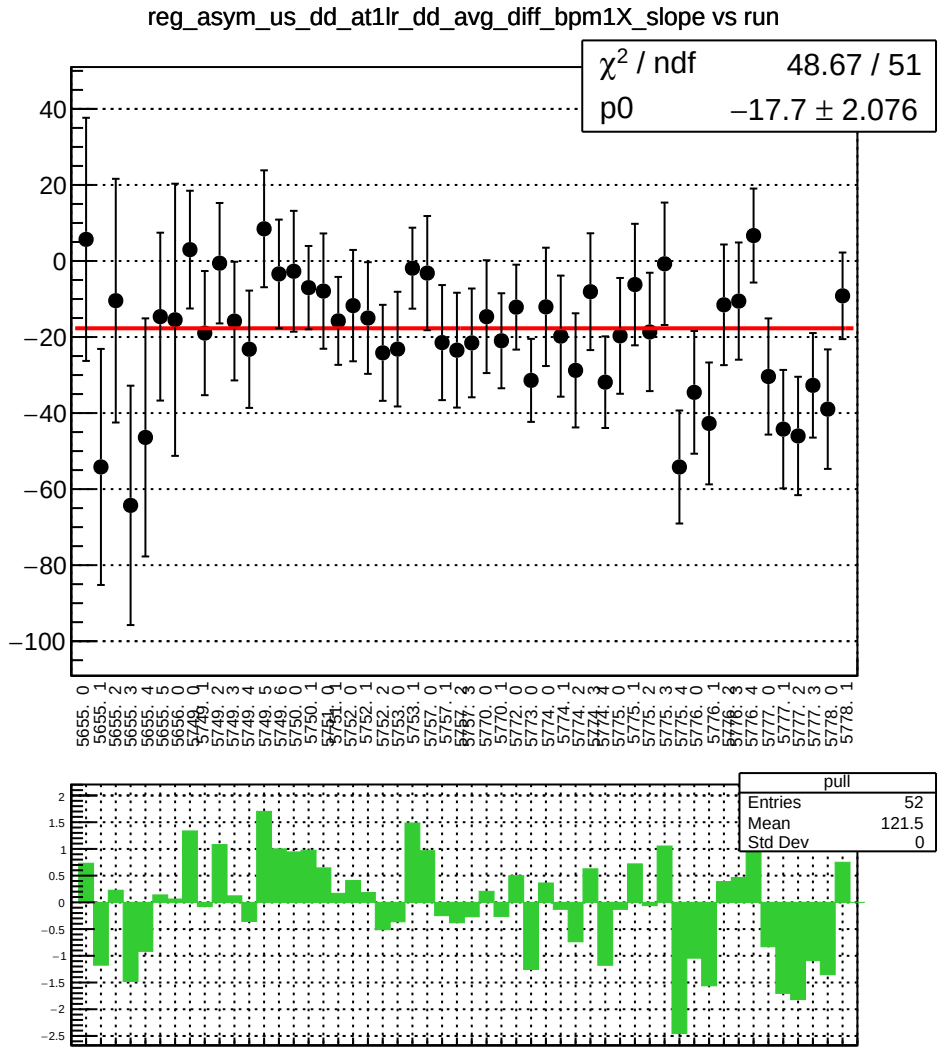

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.07 / 51
p0 −7.504 ± 4.229
pull
Entries 52
Mean 0.6073
Std Dev 21.32

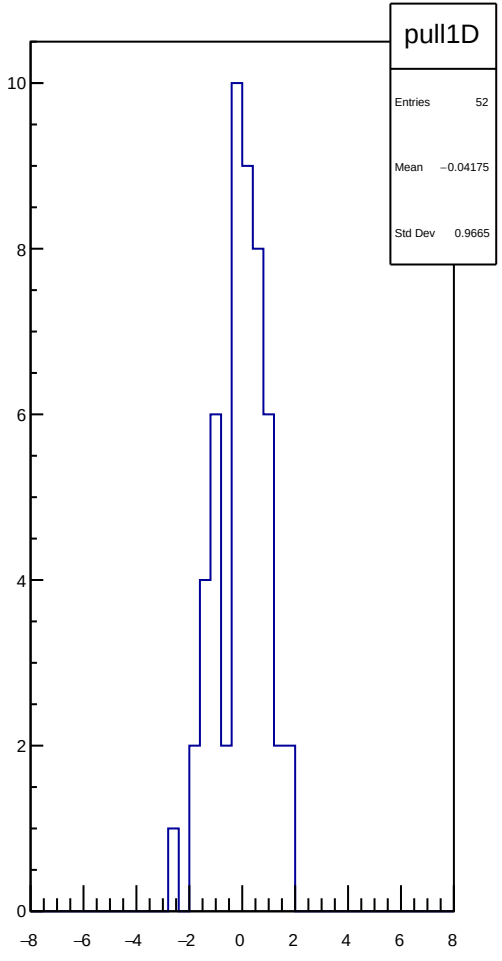

pull1D
Entries 52
Mean −0.03402
Std Dev 0.519

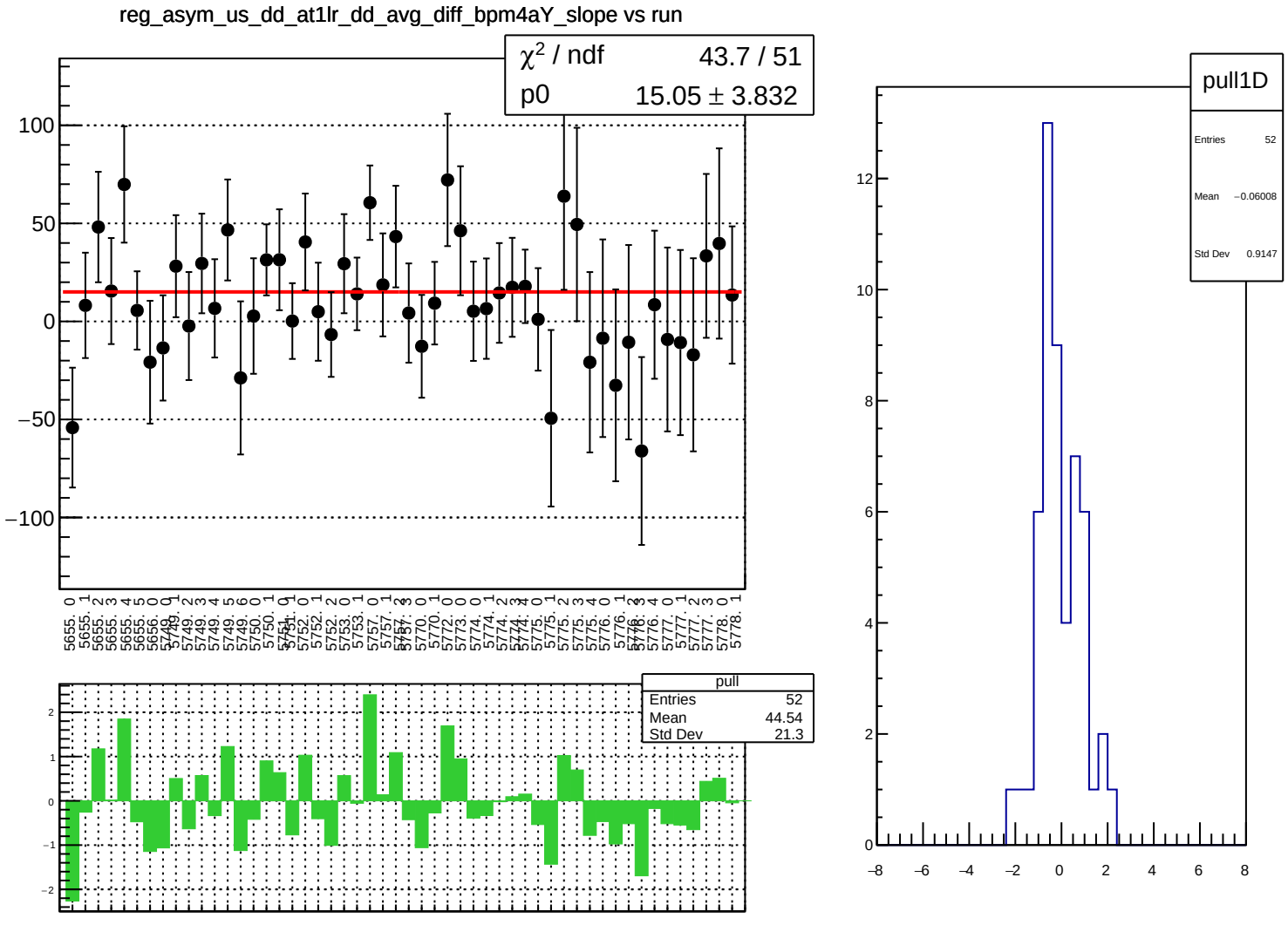

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 198.1 / 51
p0 −198.8 ± 3.528
pull
Entries 52
Mean 273.9
Std Dev 0
pull1D
Entries 52
Mean −0.09632
Std Dev 1.949

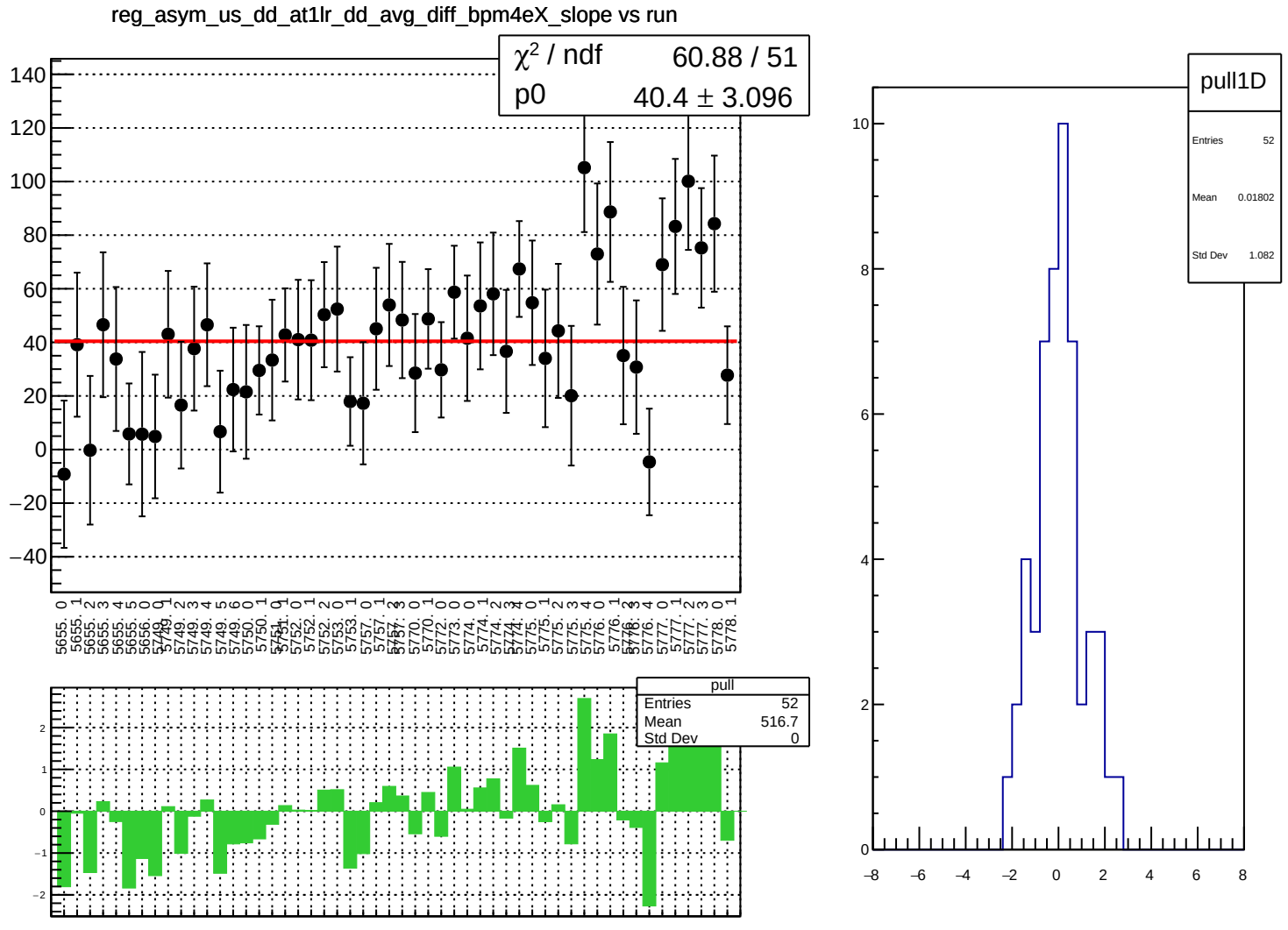

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.05 / 51
p0 −25.32 ± 4.591
pull
Entries 52
Mean −1974
Std Dev 0
pull1D
Entries 52
Mean 0.001531
Std Dev 0.5556

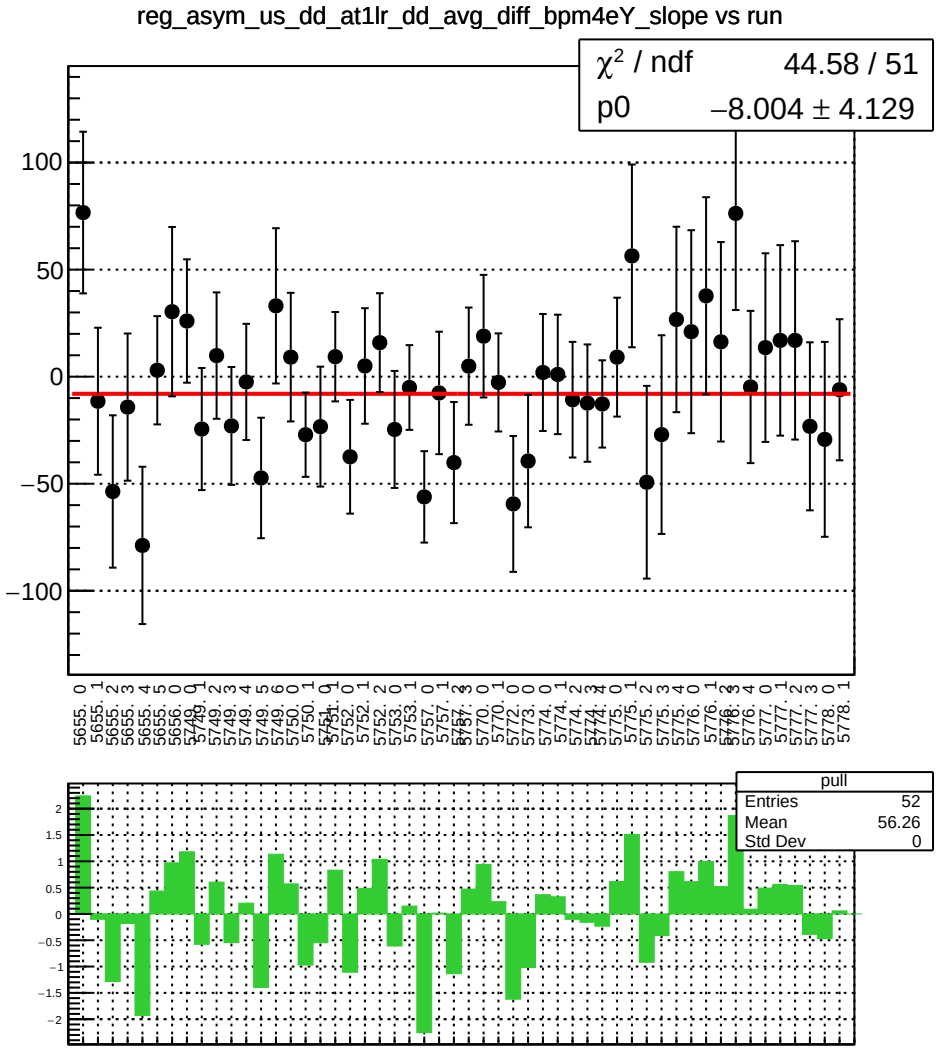

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 4217 / 51
p0 78.14 ± 0.2426
pull
Entries 52
Mean 73.05
Std Dev 0
pull1D
Entries 52
Mean −2.087
Std Dev 0.6431

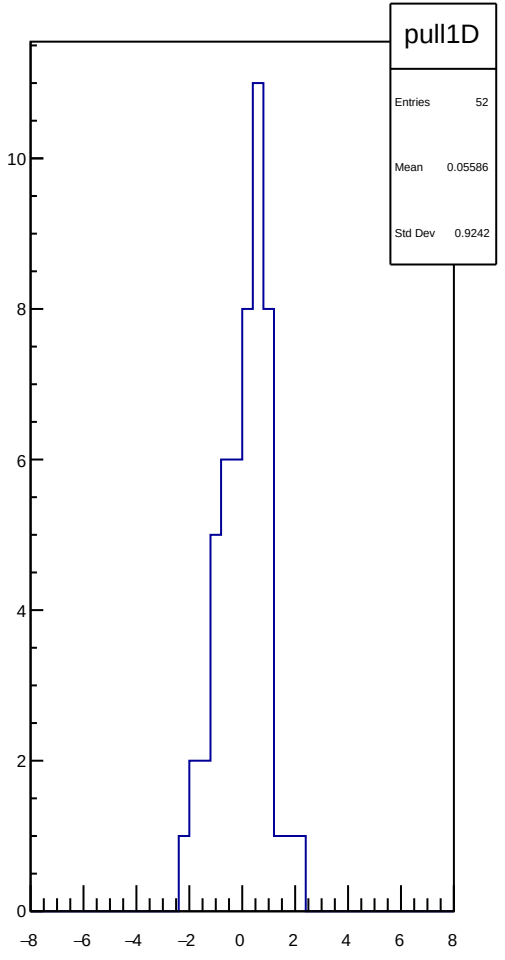

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 48.67 / 51
p0 −17.7 ± 2.076
pull
Entries 52
Mean 121.5
Std Dev 0

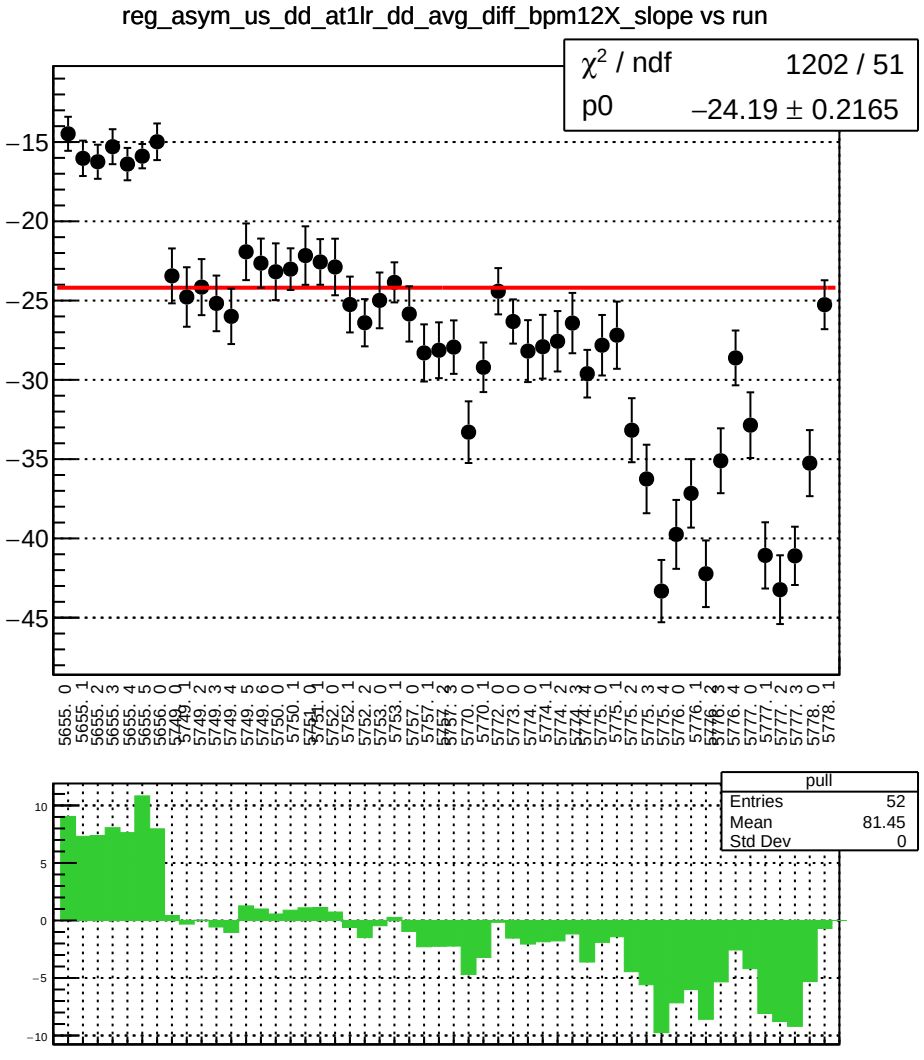

pull1D
Entries 52
Mean −0.04175
Std Dev 0.9665

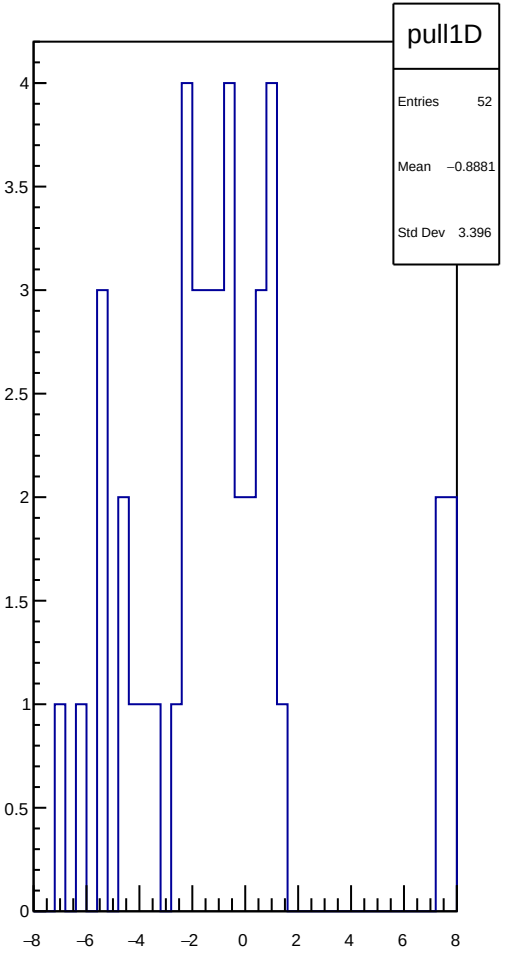

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 43.7 / 51
p0 15.05 ± 3.832
pull
Entries 52
Mean 44.54
Std Dev 21.3
pull1D
Entries 52
Mean −0.06008
Std Dev 0.9147

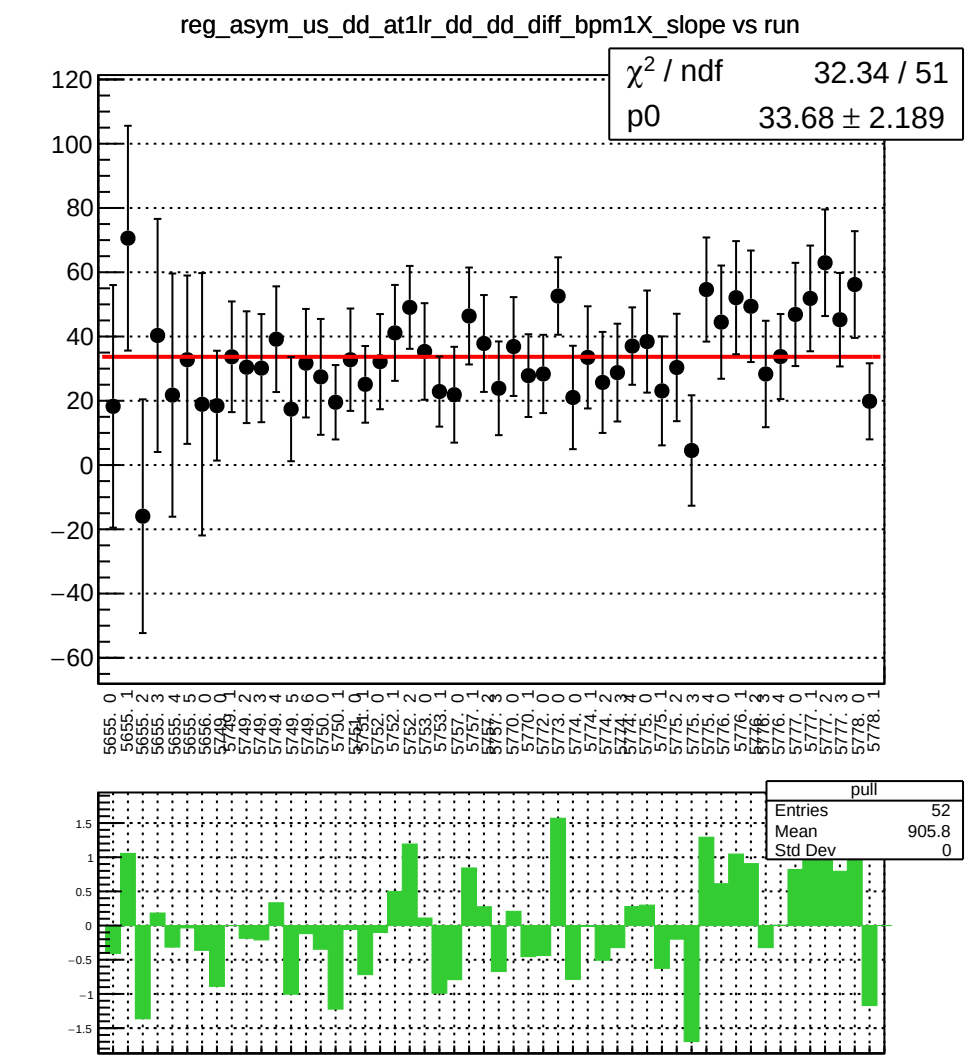

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 60.88 / 51
p0 40.4 ± 3.096
pull
Entries 52
Mean 516.7
Std Dev 0
pull1D
Entries 52
Mean 0.01802
Std Dev 1.082

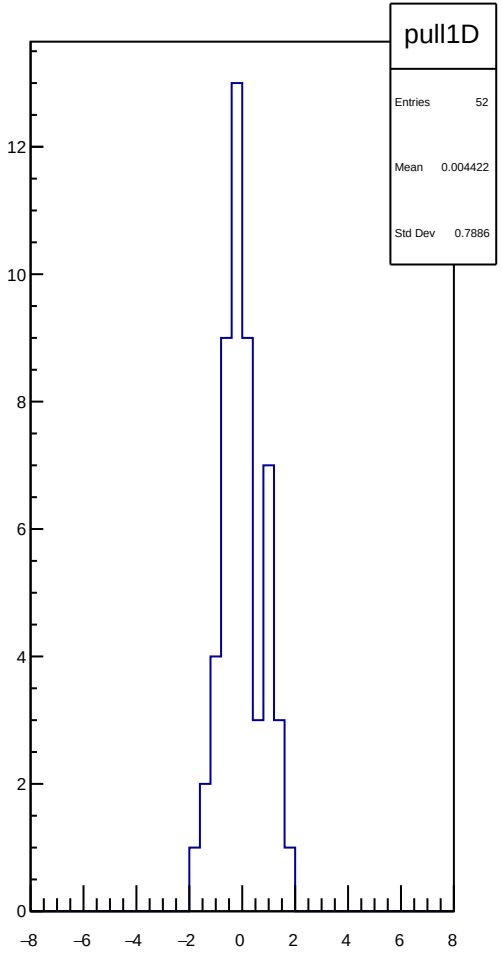

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 44.58 / 51
p0 −8.004 ± 4.129
pull
Entries 52
Mean 56.26
Std Dev 0

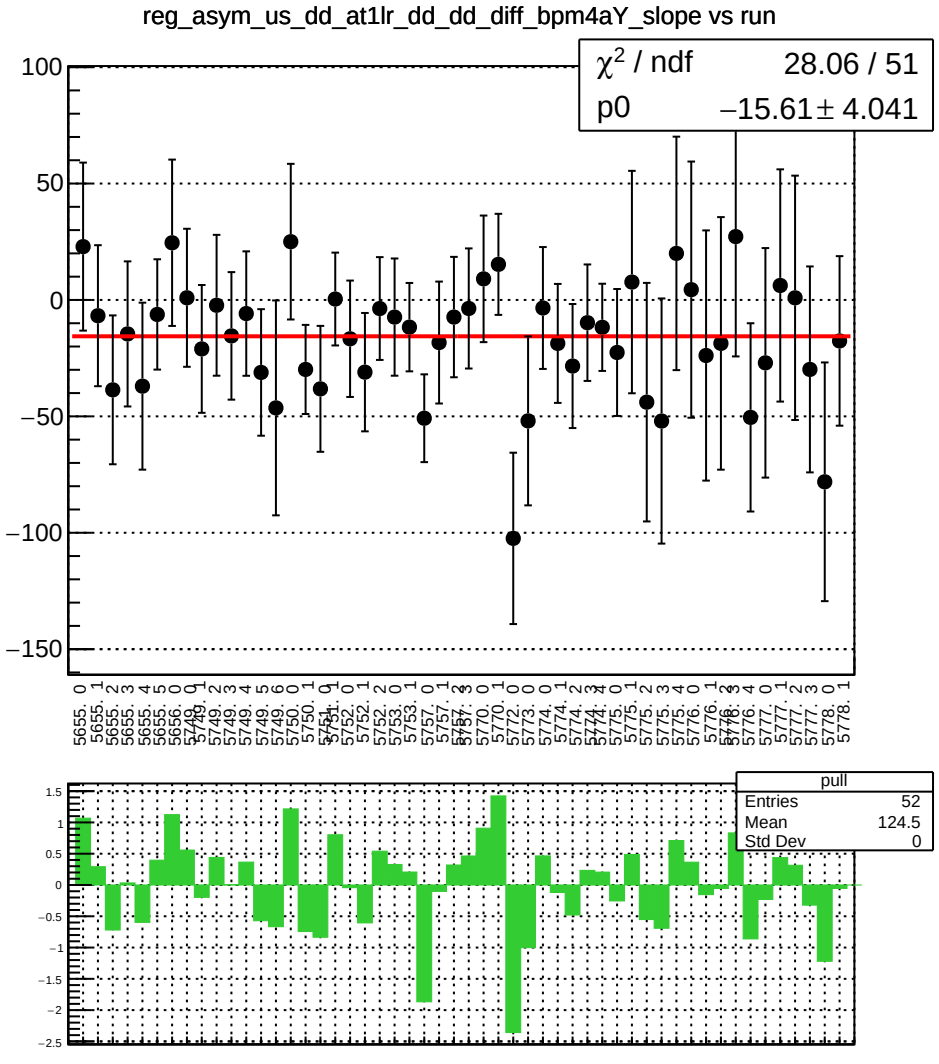

pull1D
Entries 52
Mean 0.05586
Std Dev 0.9242

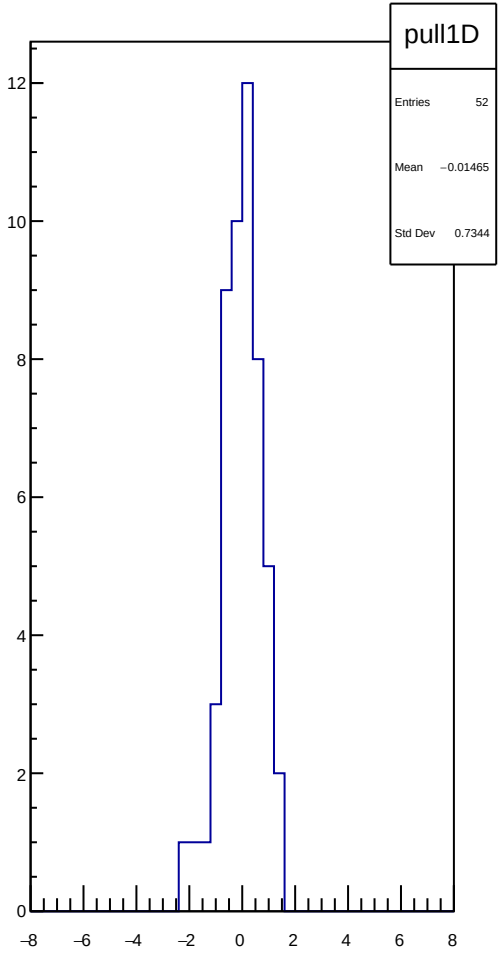

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 1202 / 51
p0 −24.19 ± 0.2165
pull
Entries 52
Mean 81.45
Std Dev 0

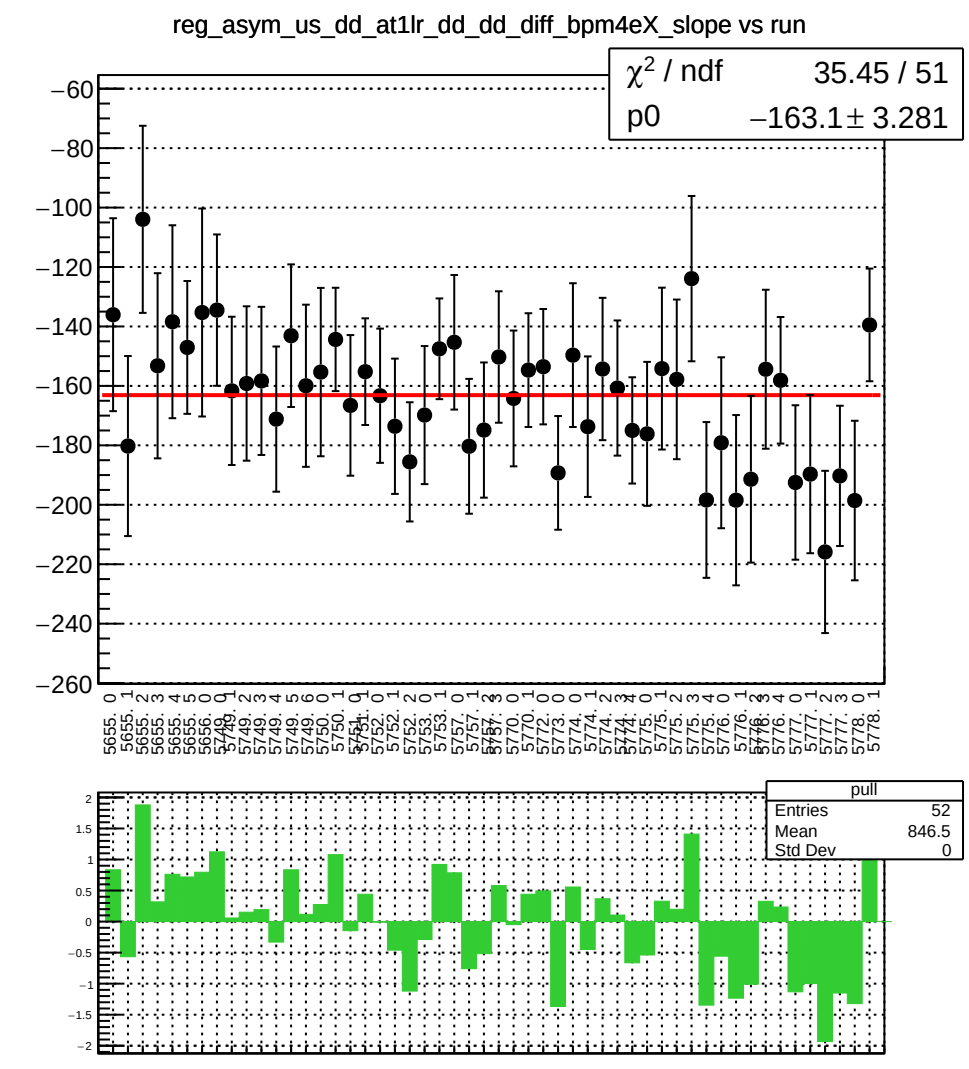

pull1D
Entries 52
Mean −0.8881
Std Dev 3.396

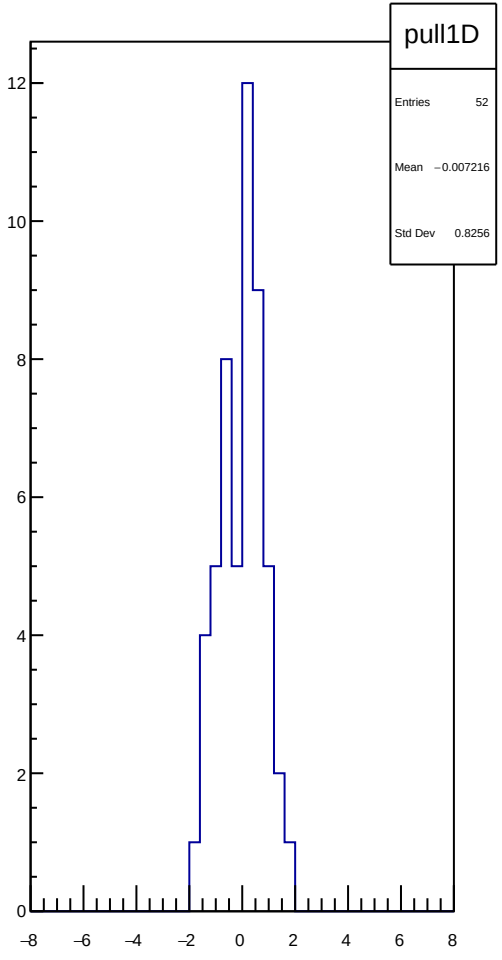

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs run
χ^2 / ndf 32.34 / 51
p0 33.68 ± 2.189
pull
Entries 52
Mean 905.8
Std Dev 0

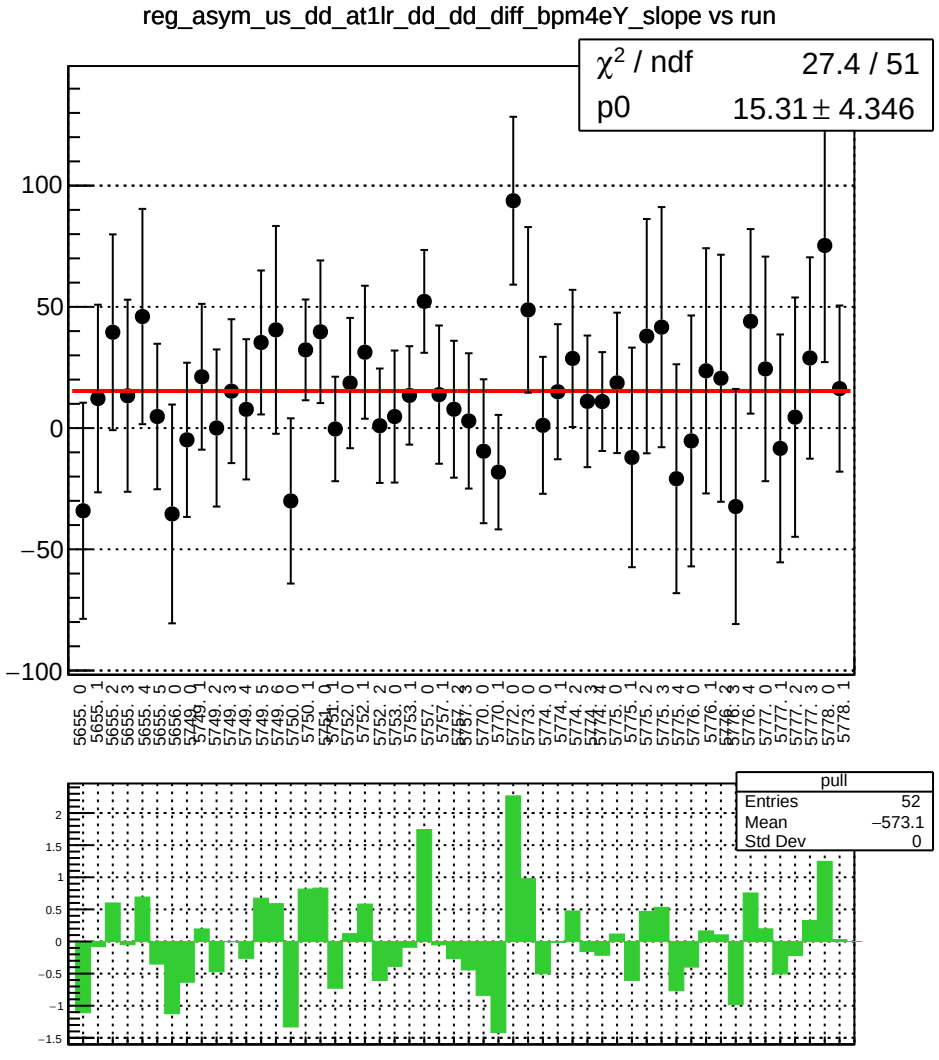

pull1D
Entries 52
Mean 0.004422
Std Dev 0.7886

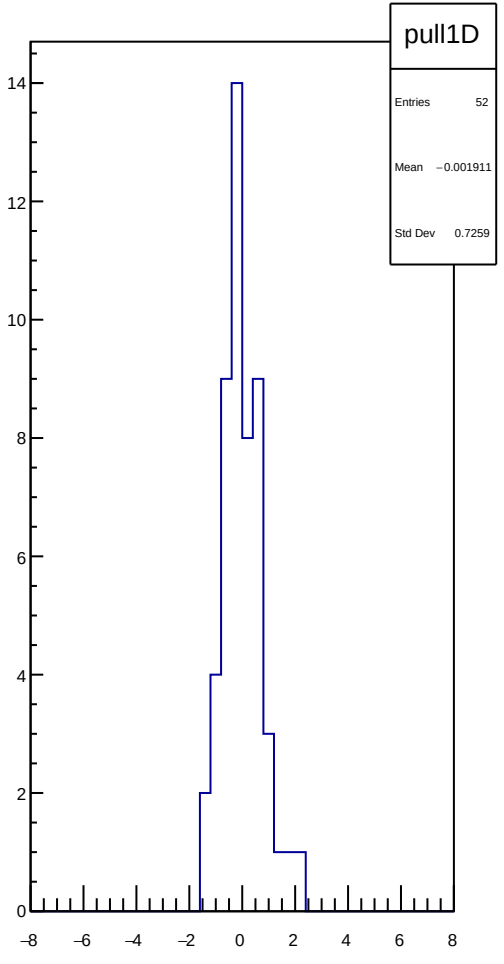

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 28.06 / 51
p0 −15.61 ± 4.041
pull
Entries 52
Mean 124.5
Std Dev 0

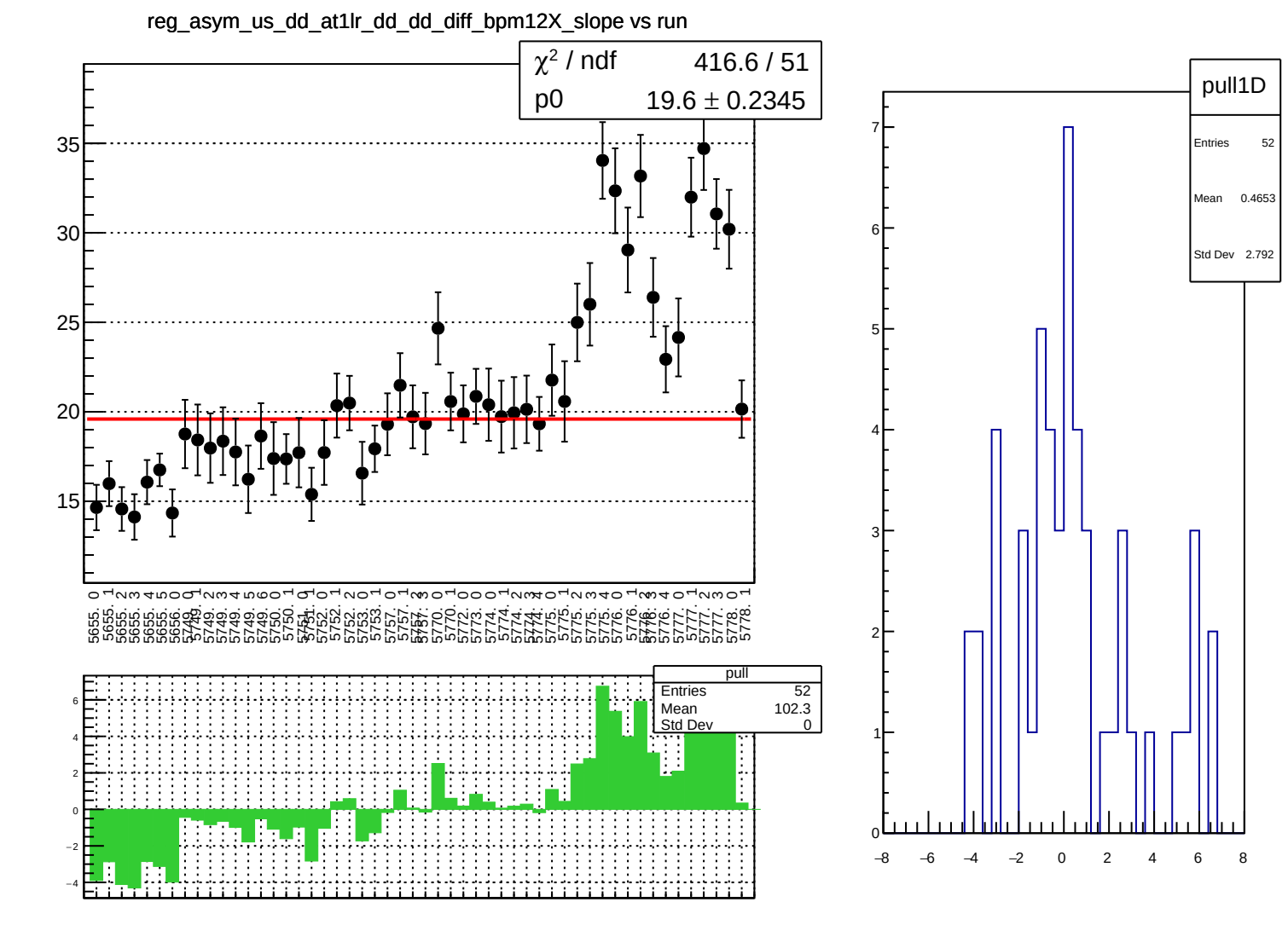

pull1D
Entries 52
Mean −0.01465
Std Dev 0.7344

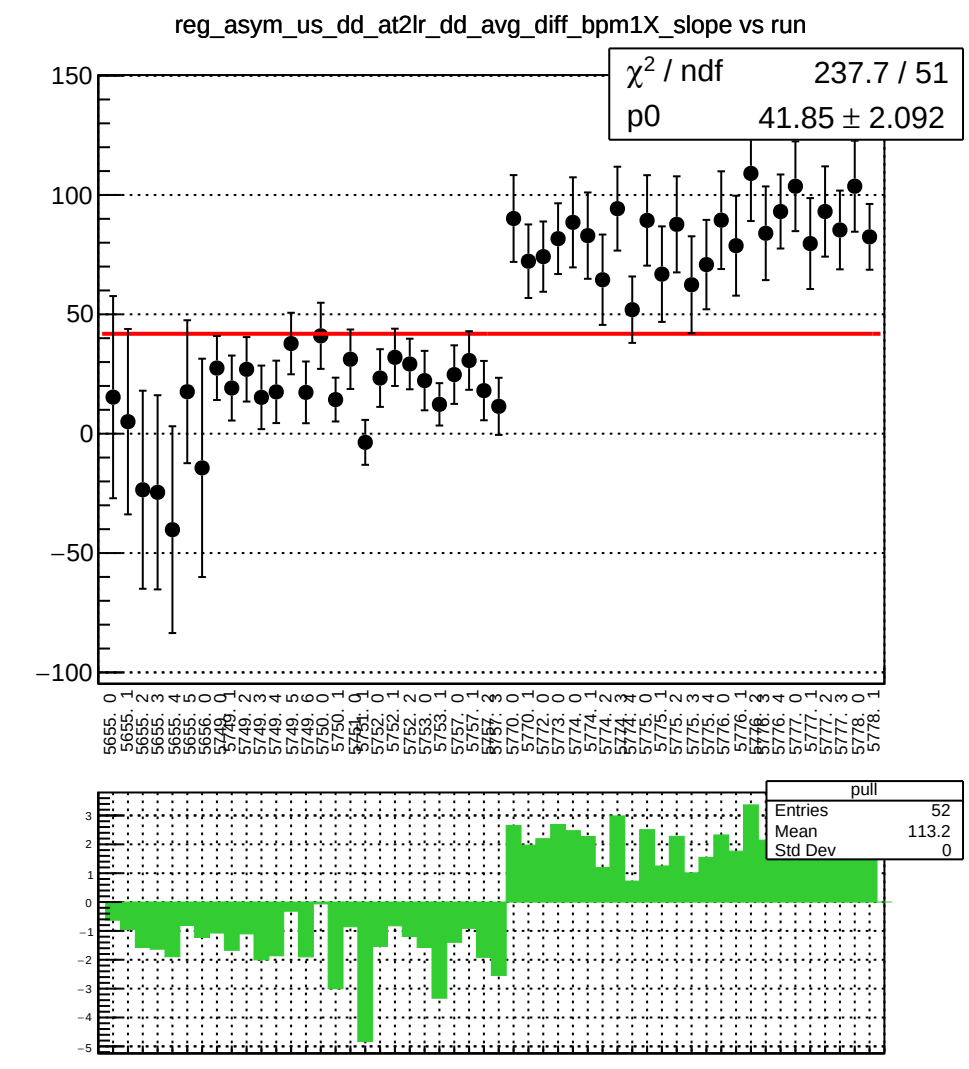

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 35.45 / 51
p0 −163.1 ± 3.281
pull
Entries 52
Mean 846.5
Std Dev 0

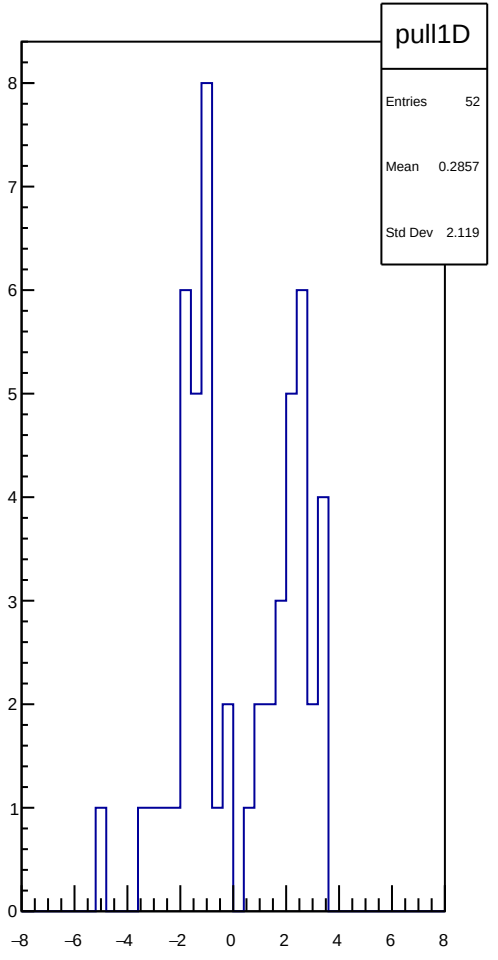

pull1D
Entries 52
Mean −0.007216
Std Dev 0.8256

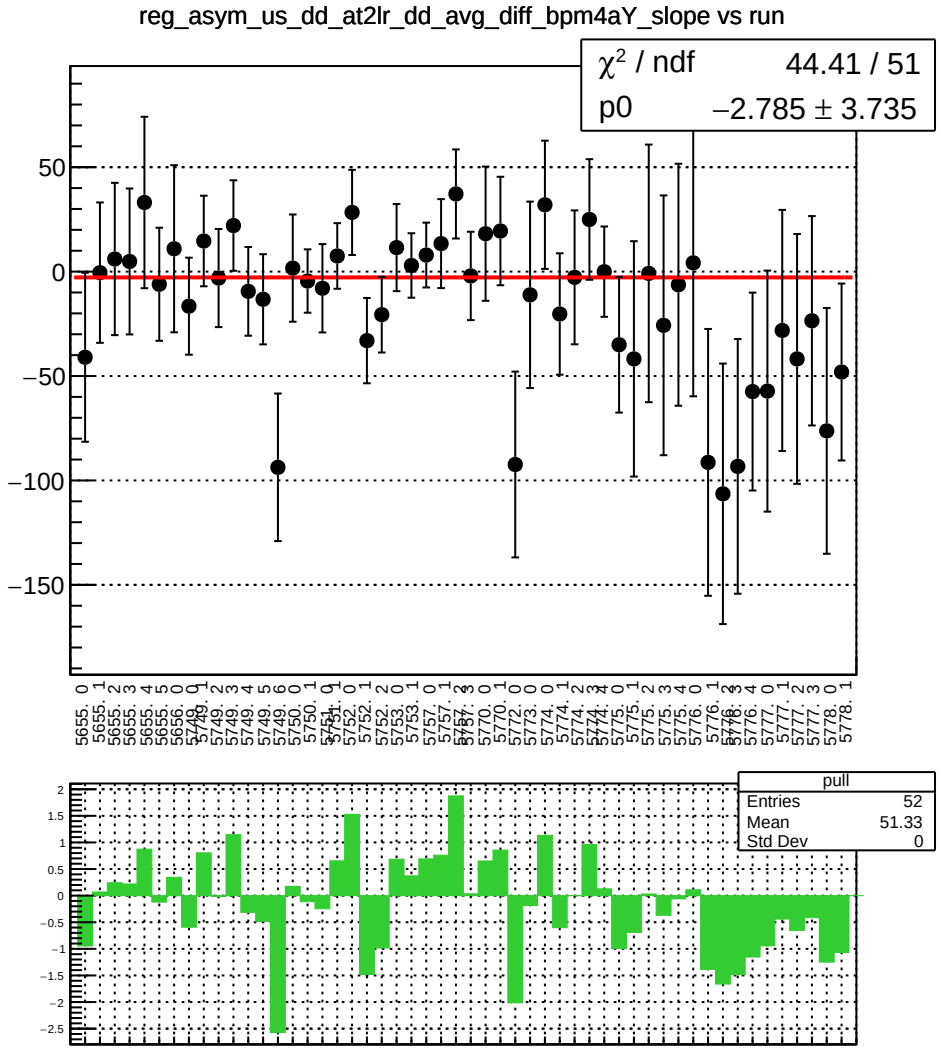

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 27.4 / 51
p0 15.31 ± 4.346
pull
Entries 52
Mean −573.1
Std Dev 0

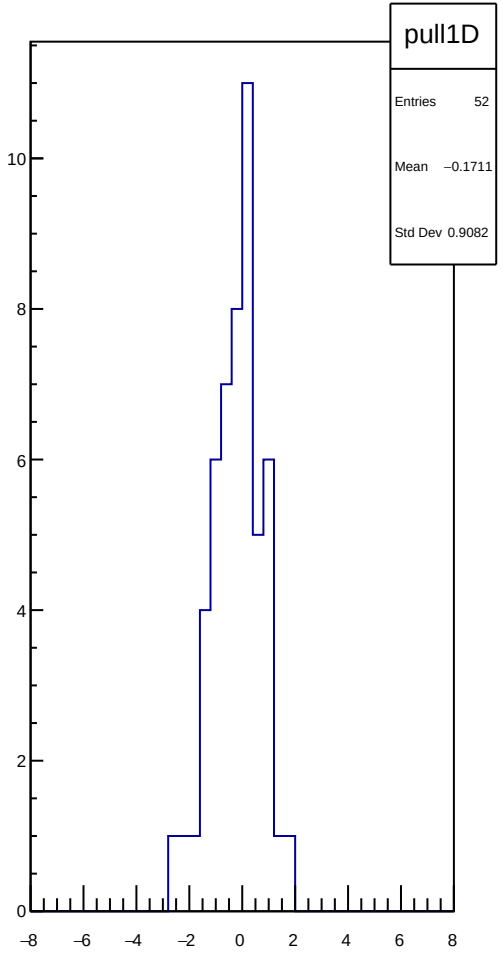

pull1D
Entries 52
Mean −0.001911
Std Dev 0.7259

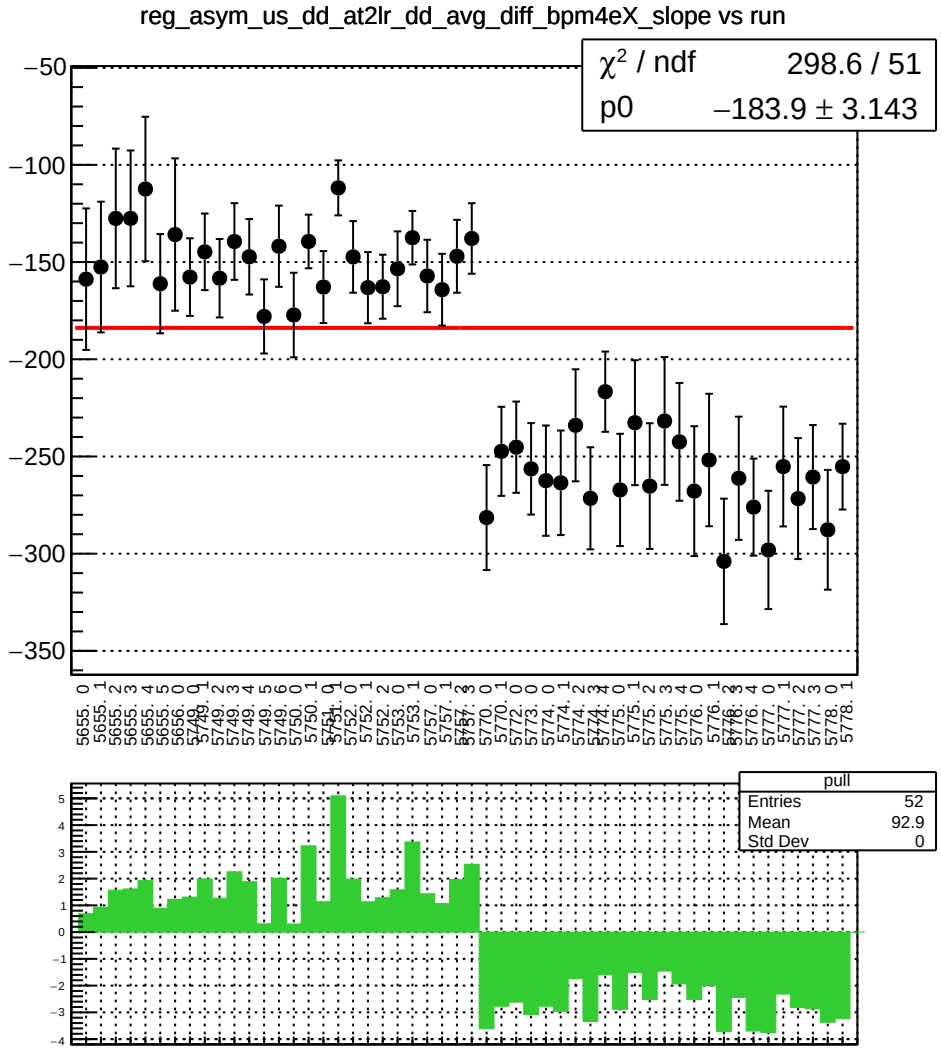

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 416.6 / 51
p0 19.6 ± 0.2345
pull
Entries 52
Mean 102.3
Std Dev 0
pull1D
Entries 52
Mean 0.4653
Std Dev 2.792

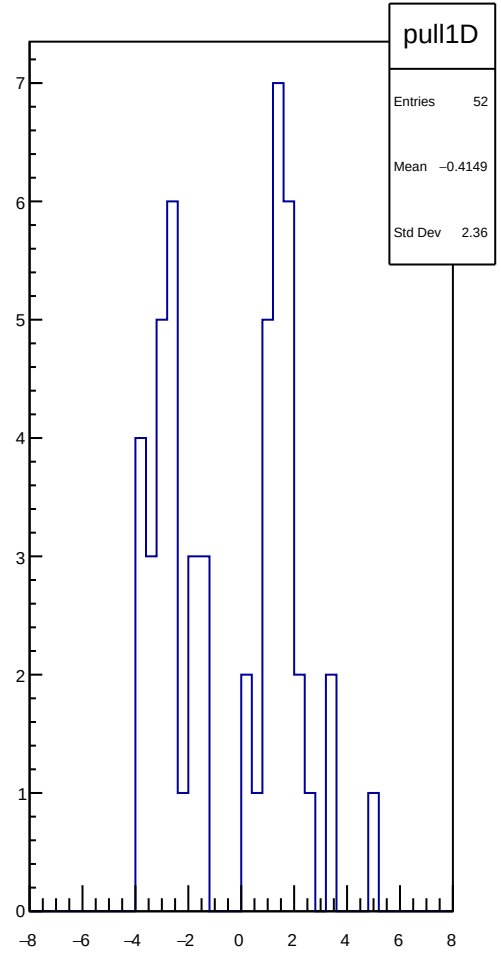

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 237.7 / 51
p0 41.85 ± 2.092
pull
Entries 52
Mean 113.2
Std Dev 0

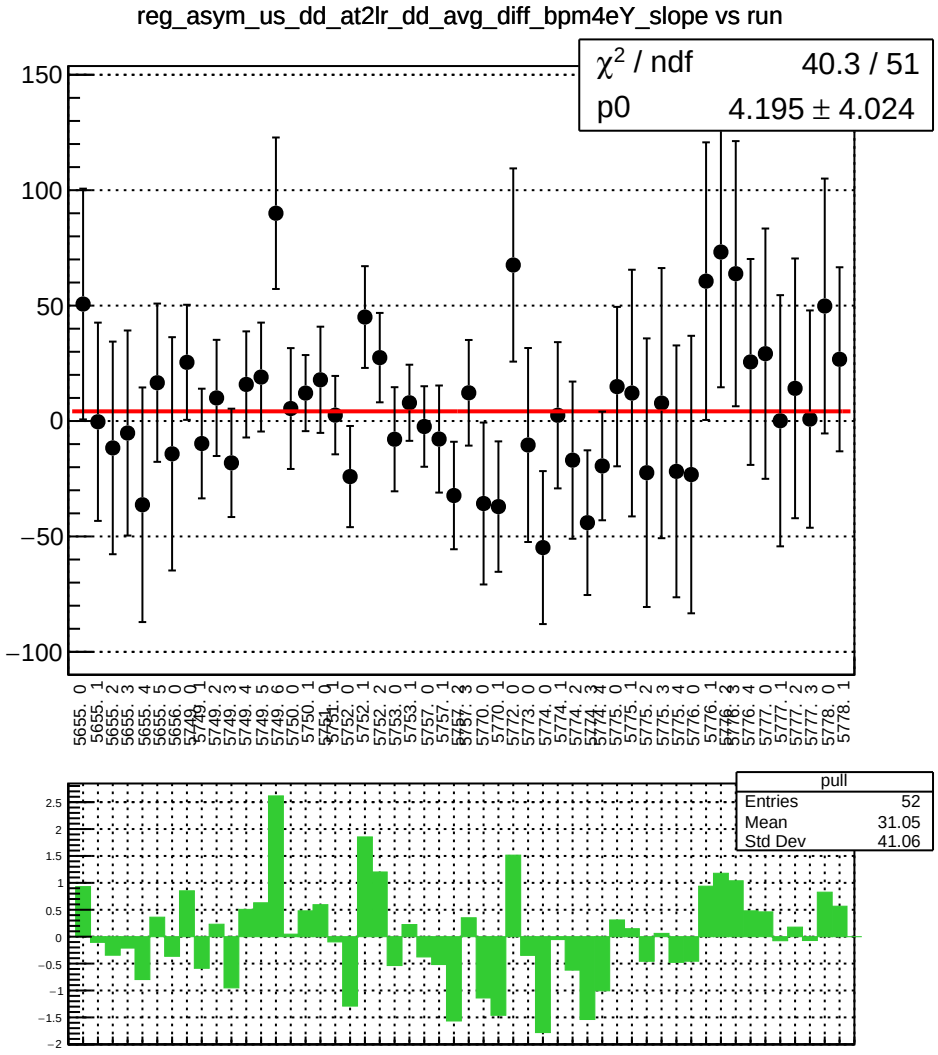

pull1D
Entries 52
Mean 0.2857
Std Dev 2.119

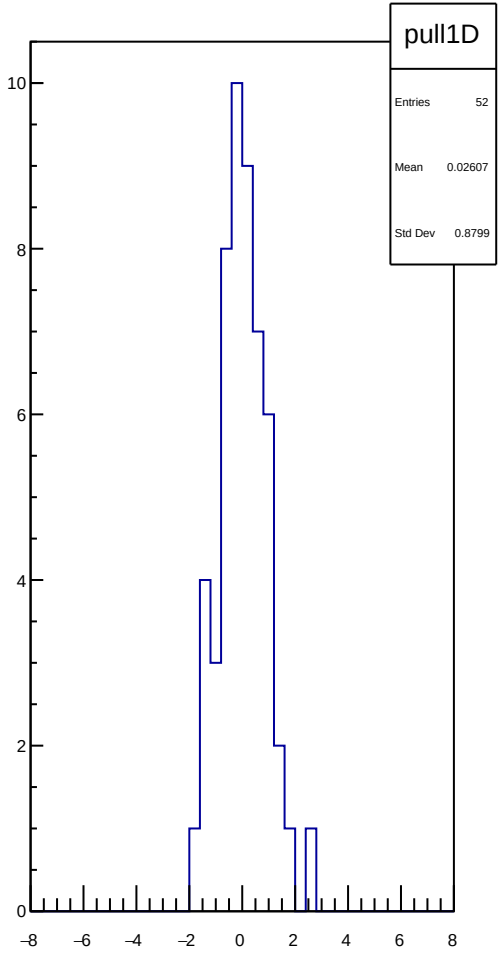

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 44.41 / 51
p0 −2.785 ± 3.735
pull
Entries 52
Mean 51.33
Std Dev 0

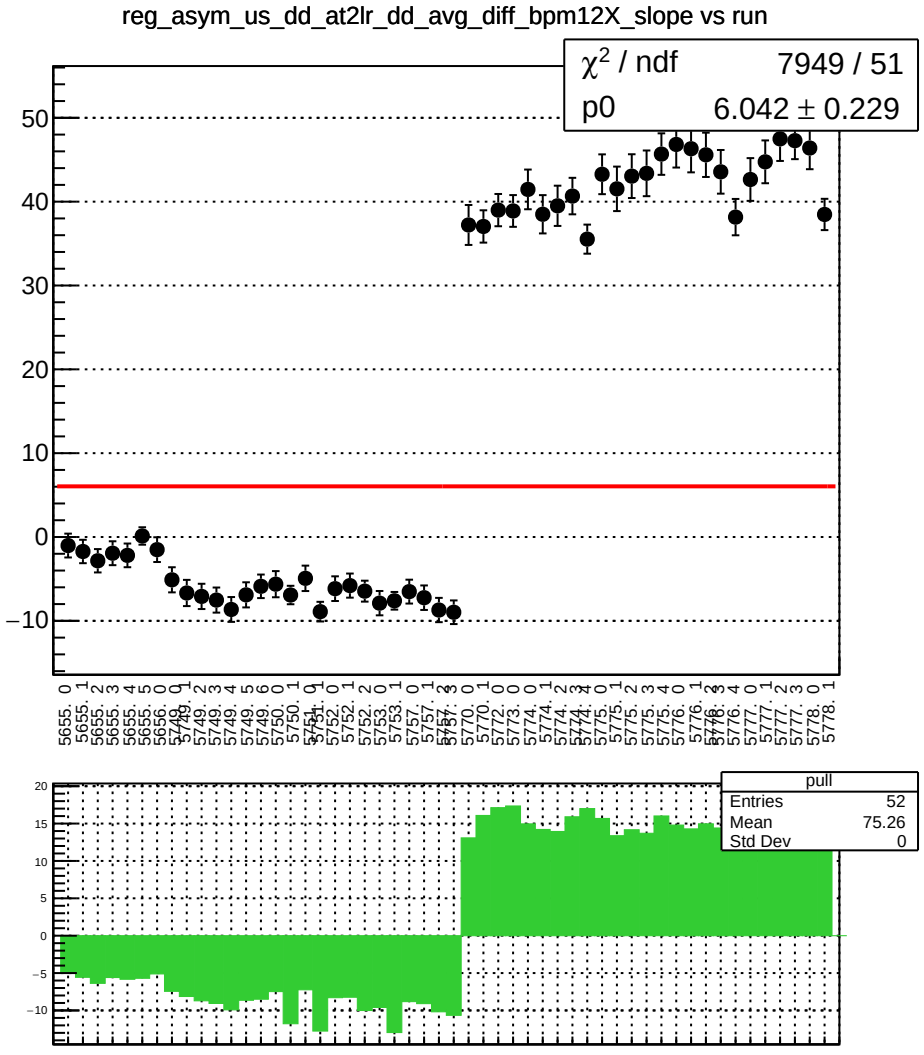

pull1D
Entries 52
Mean −0.1711
Std Dev 0.9082

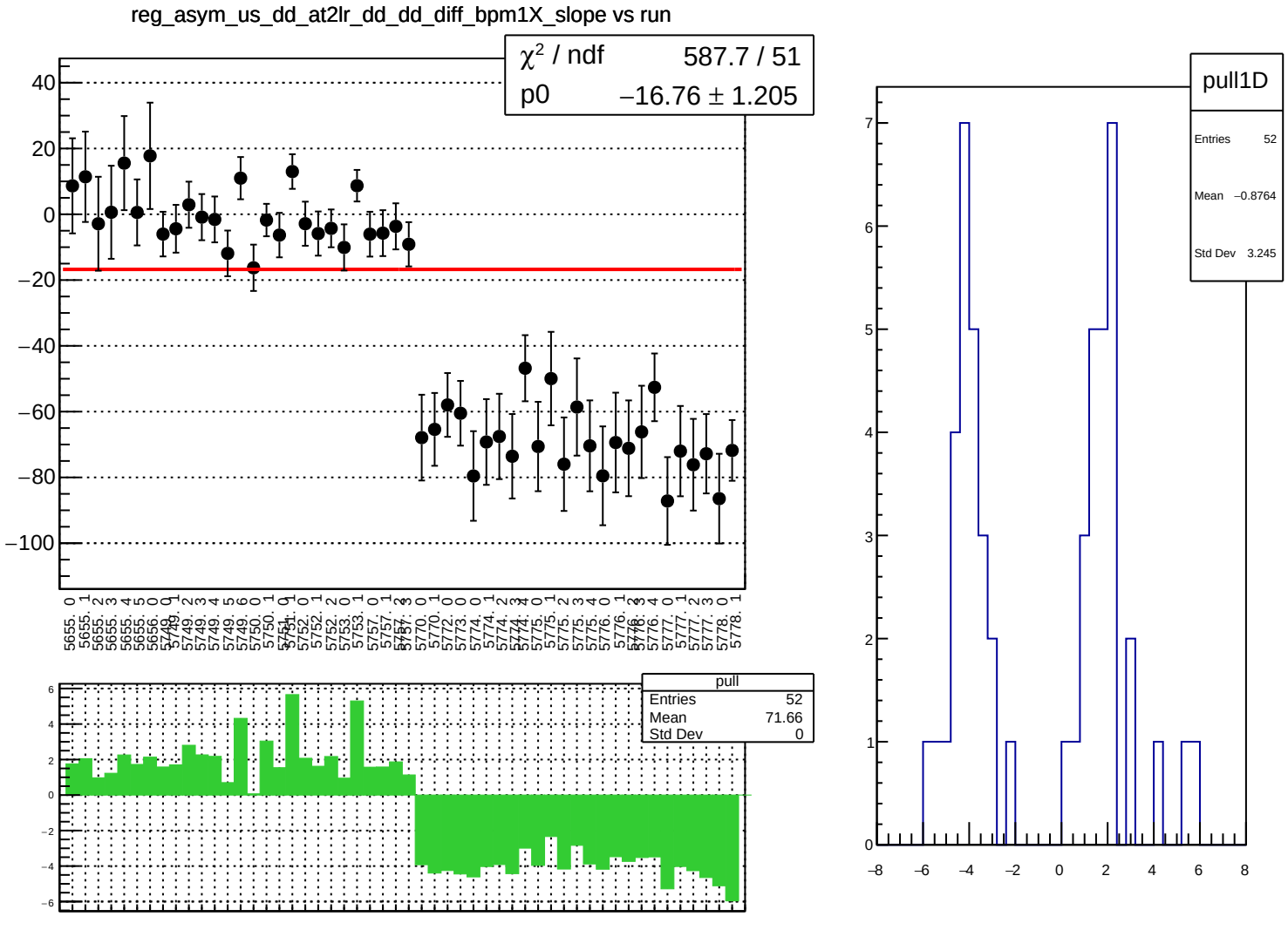

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 298.6 / 51
p0 −183.9 ± 3.143
pull
Entries 52
Mean 92.9
Std Dev 0

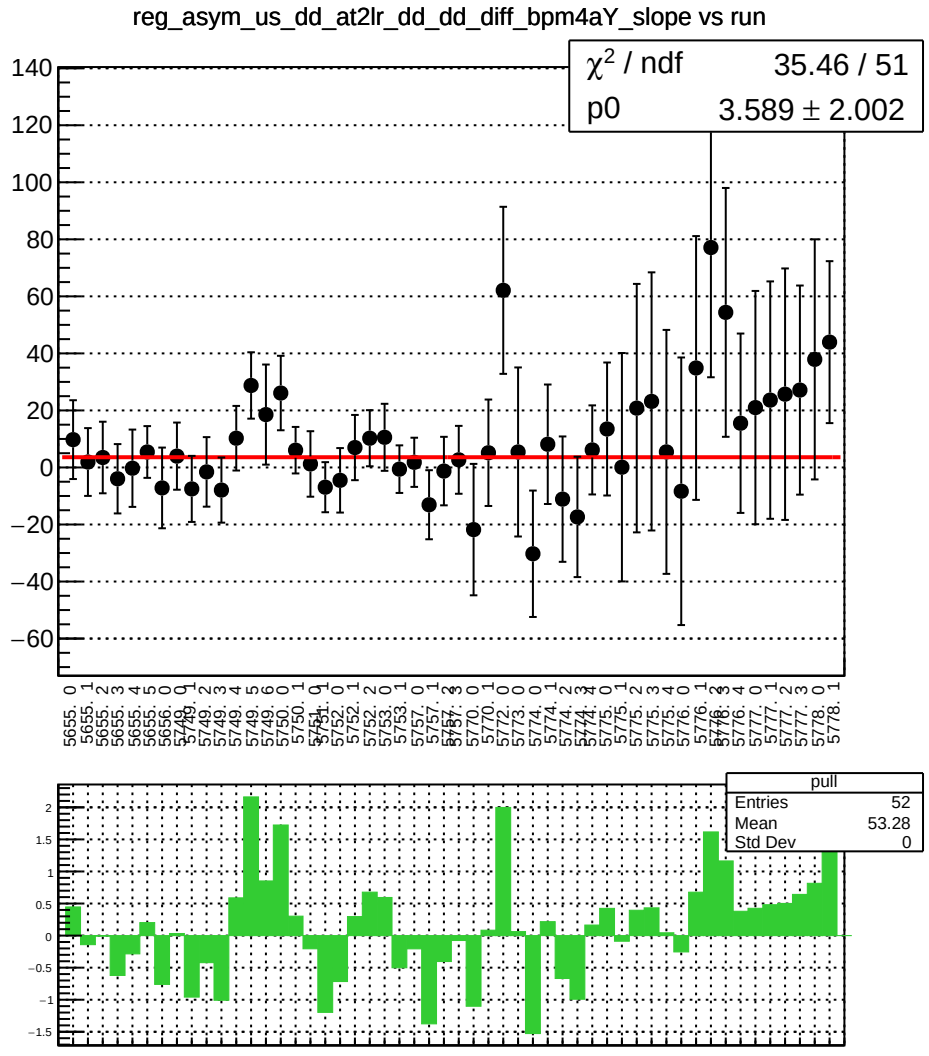

pull1D
Entries 52
Mean −0.4149
Std Dev 2.36

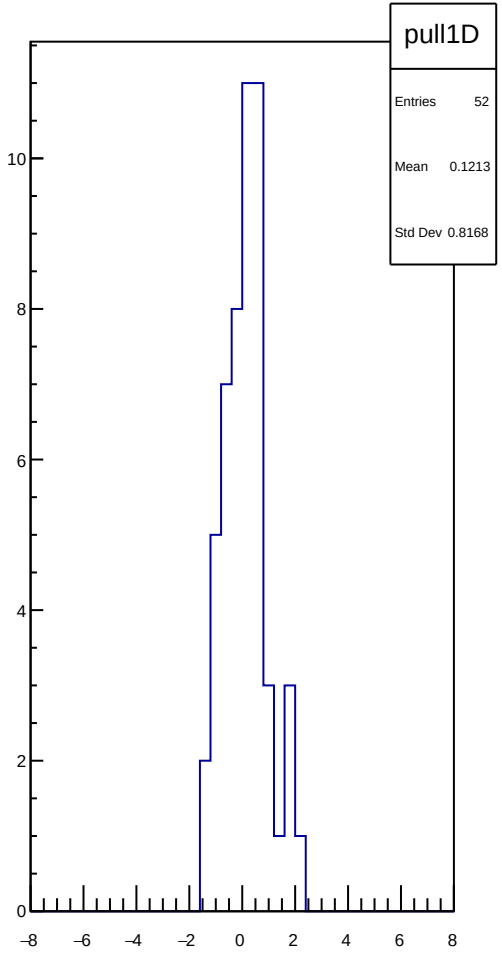

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 40.3 / 51
p0 4.195 ± 4.024
pull
Entries 52
Mean 31.05
Std Dev 41.06

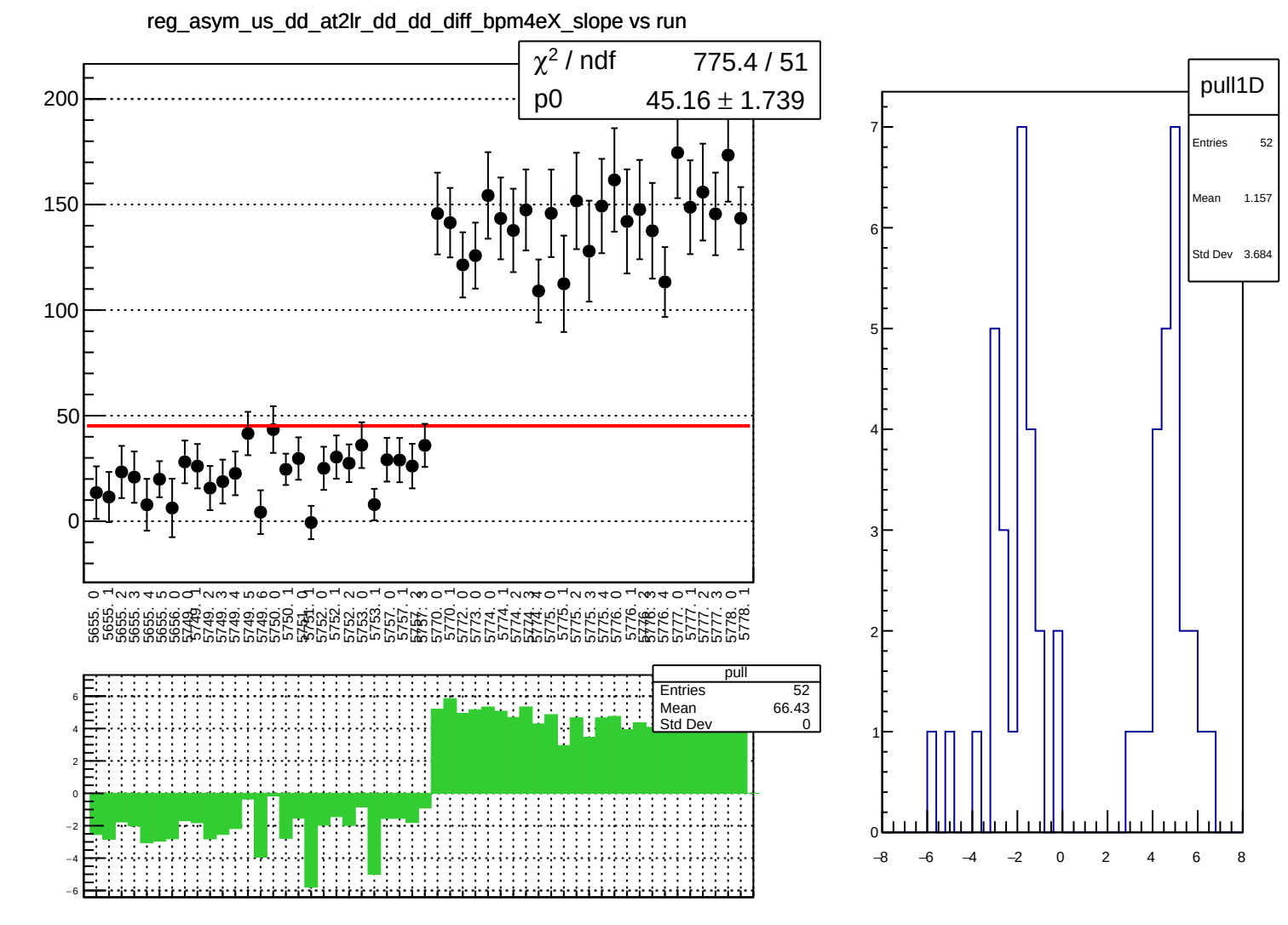

pull1D
Entries 52
Mean 0.02607
Std Dev 0.8799

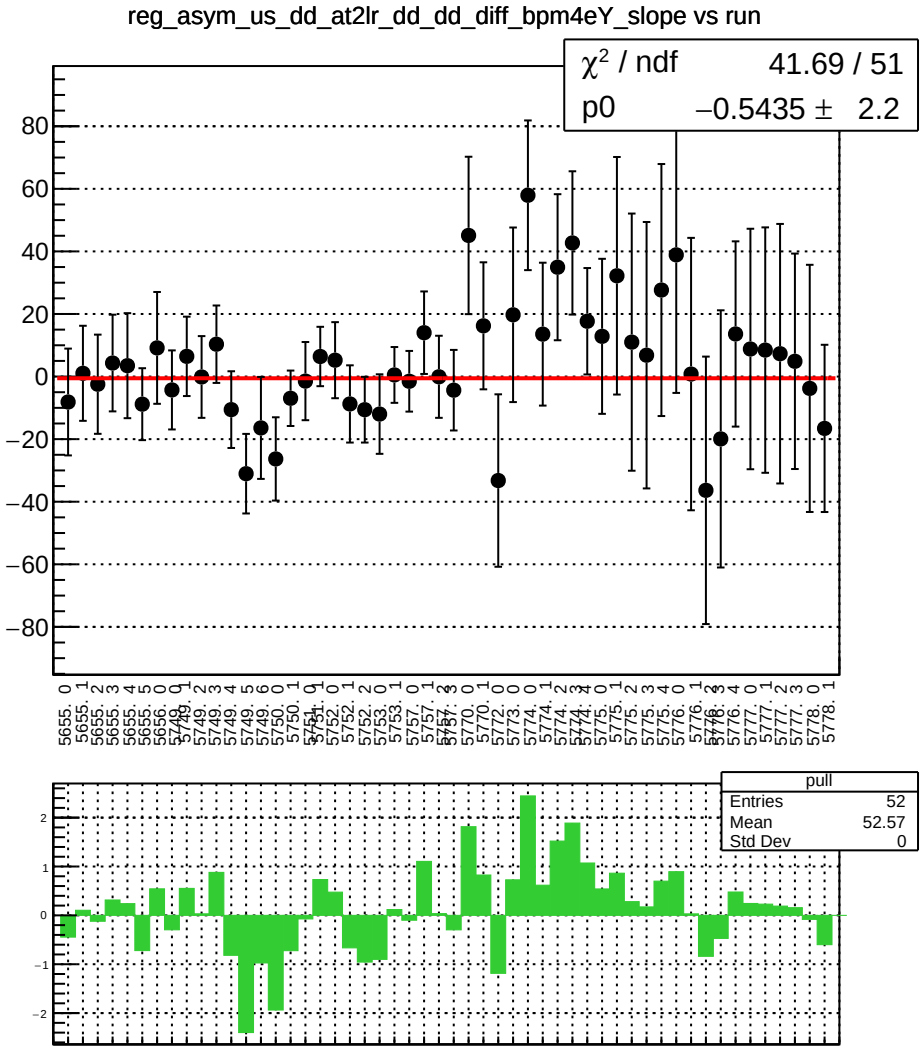

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 7949 / 51
p0 6.042 ± 0.229
pull
Entries 52
Mean 75.26
Std Dev 0
pull1D
Entries 52
Mean −6.131
Std Dev 0.9

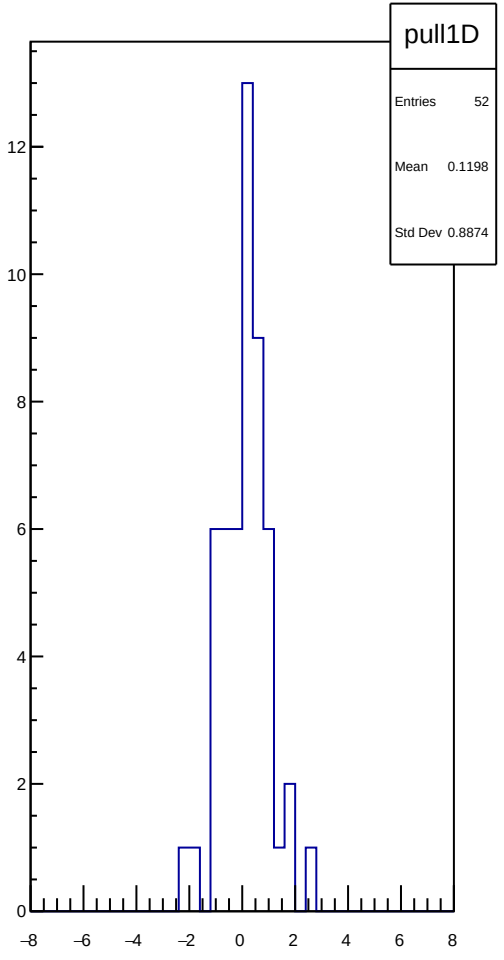

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 587.7 / 51
p0 −16.76 ± 1.205
pull
Entries 52
Mean 71.66
Std Dev 0
pull1D
Entries 52
Mean −0.8764
Std Dev 3.245

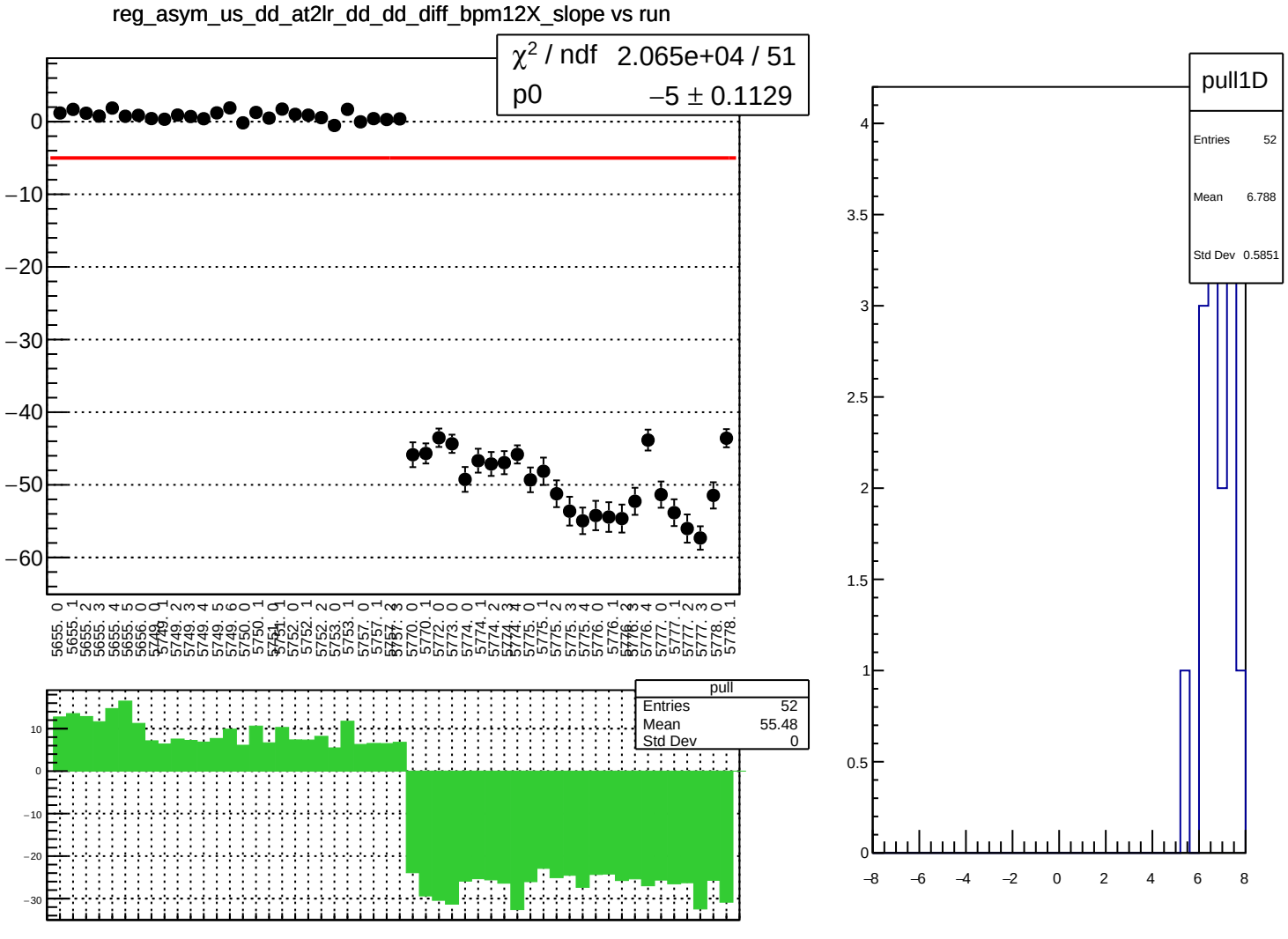

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 35.46 / 51
p0 3.589 ± 2.002
pull
Entries 52
Mean 53.28
Std Dev 0

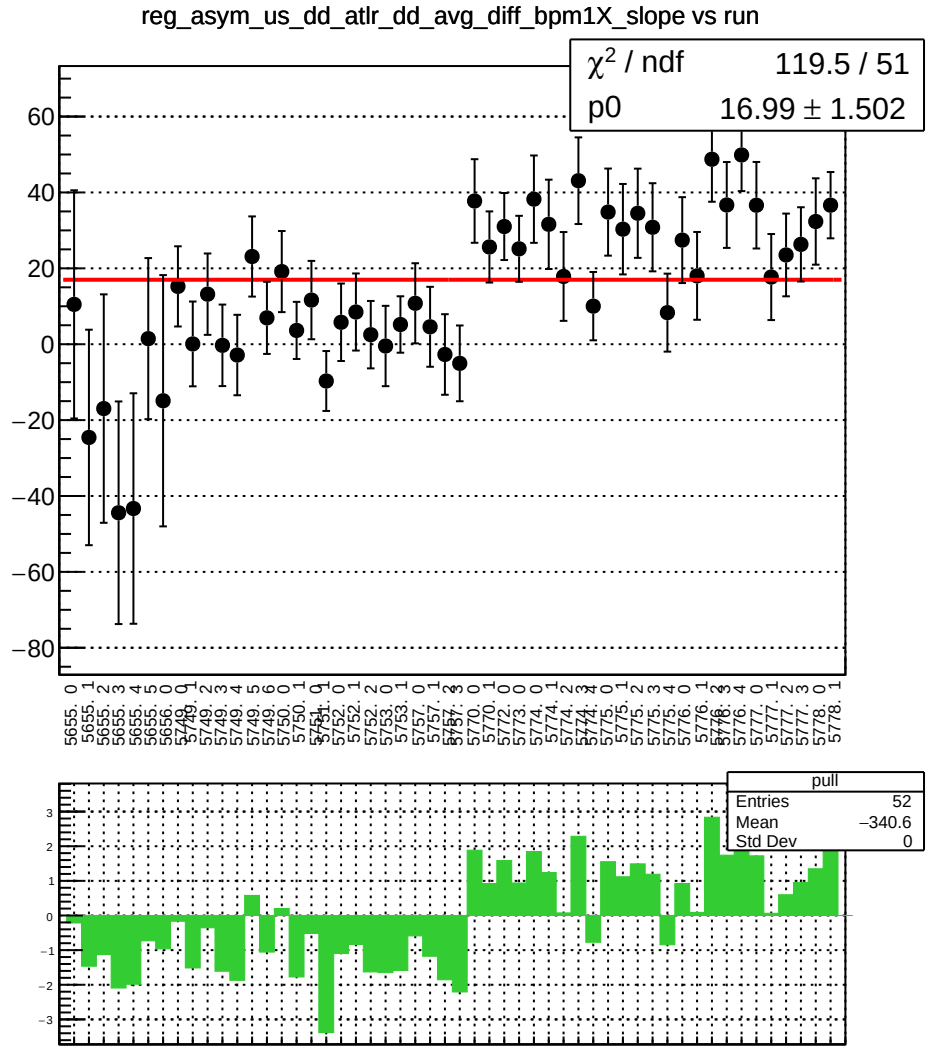

pull1D
Entries 52
Mean 0.1213
Std Dev 0.8168

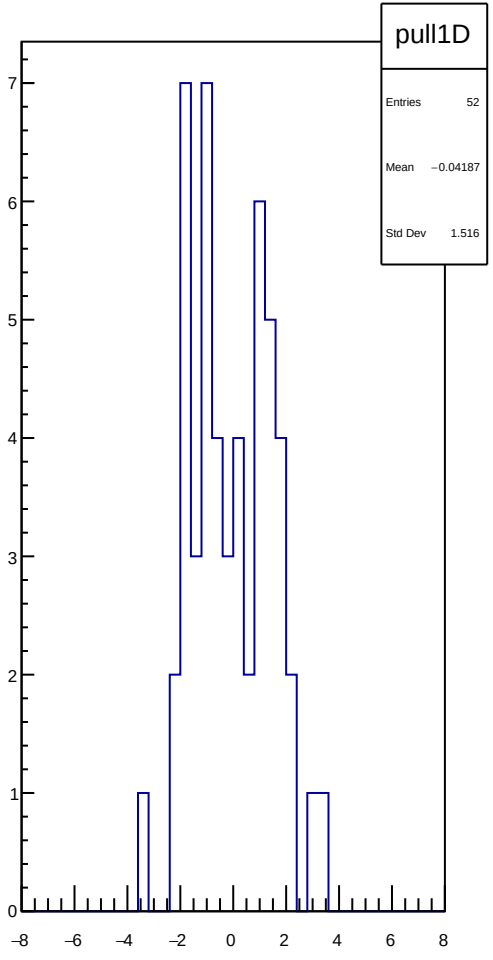

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 775.4 / 51
p0 45.16 ± 1.739
200
150
100
50
0
pull
Entries 52
Mean 66.43
Std Dev 0
pull1D
Entries 52
Mean 1.157
Std Dev 3.684

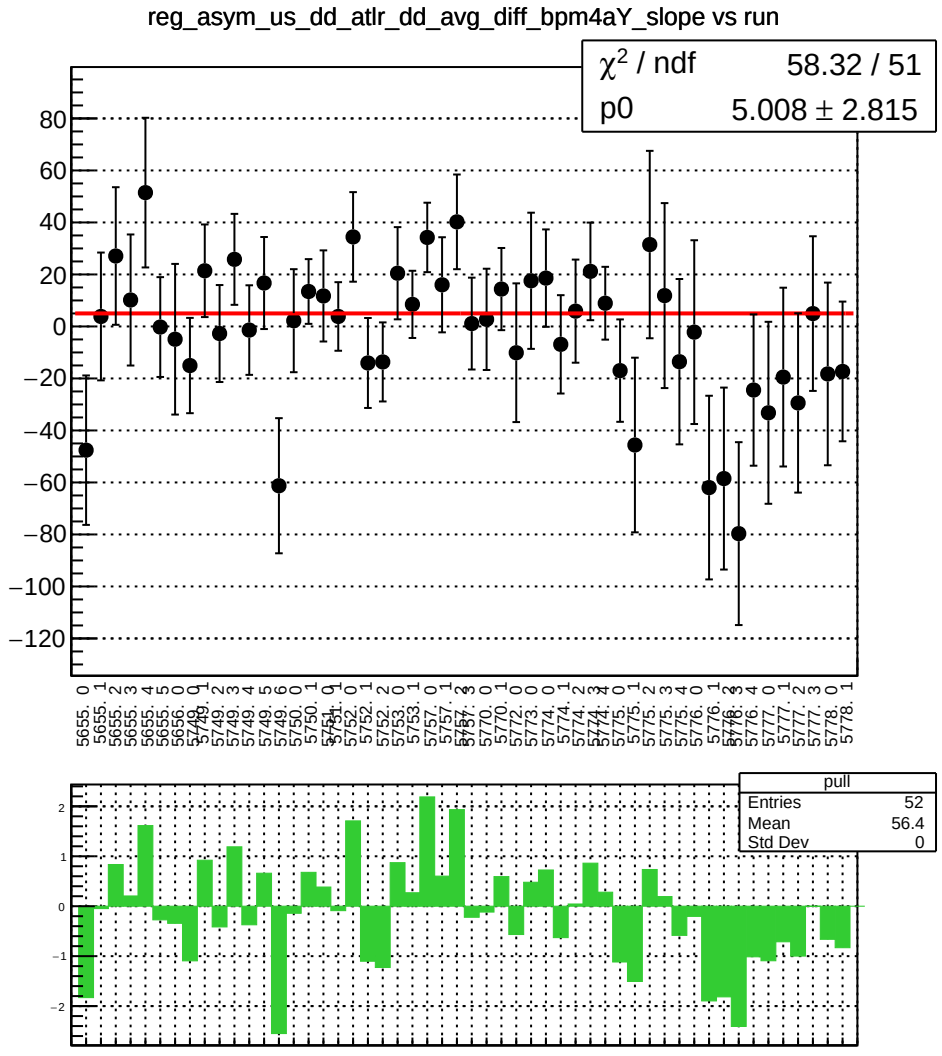

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 41.69 / 51
p0 −0.5435 ± 2.2
pull
Entries 52
Mean 52.57
Std Dev 0

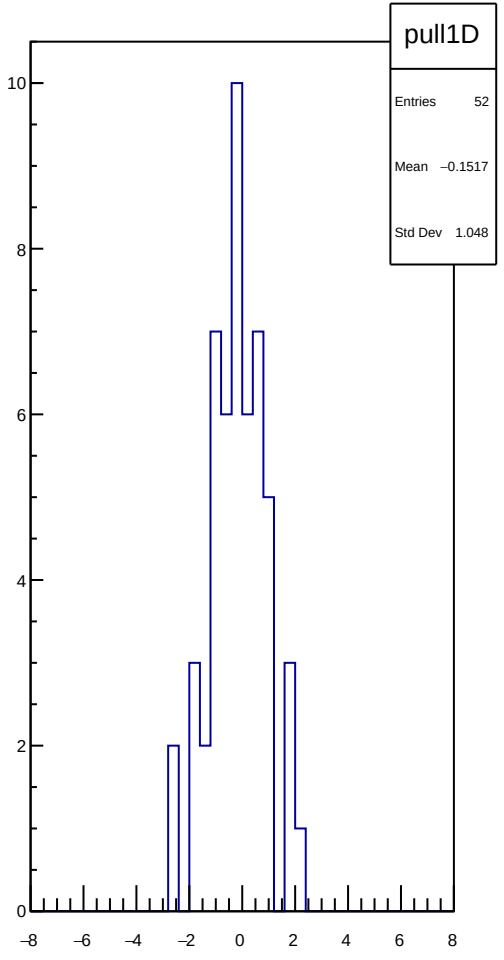

pull1D
Entries 52
Mean 0.1198
Std Dev 0.8874

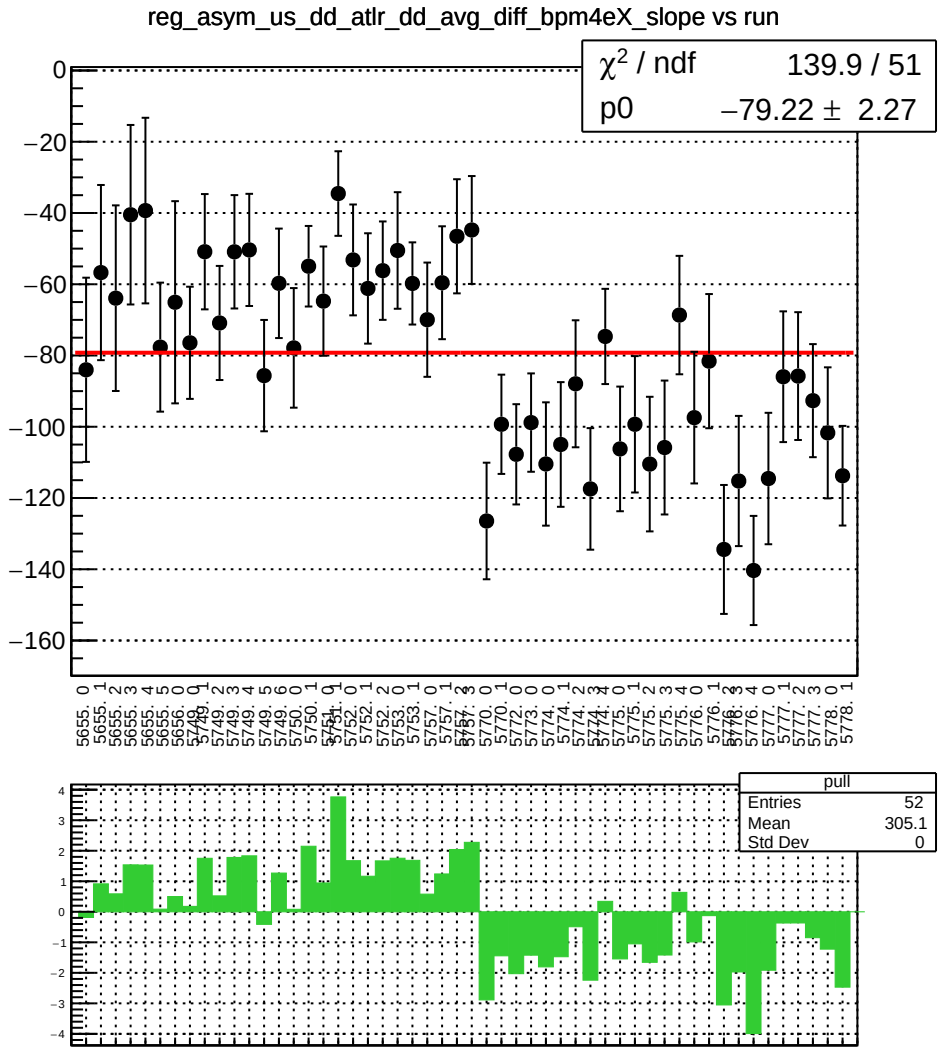

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 2.065e+04 / 51
p0 −5 ± 0.1129
pull
Entries 52
Mean 55.48
Std Dev 0
pull1D
Entries 52
Mean 6.788
Std Dev 0.5851

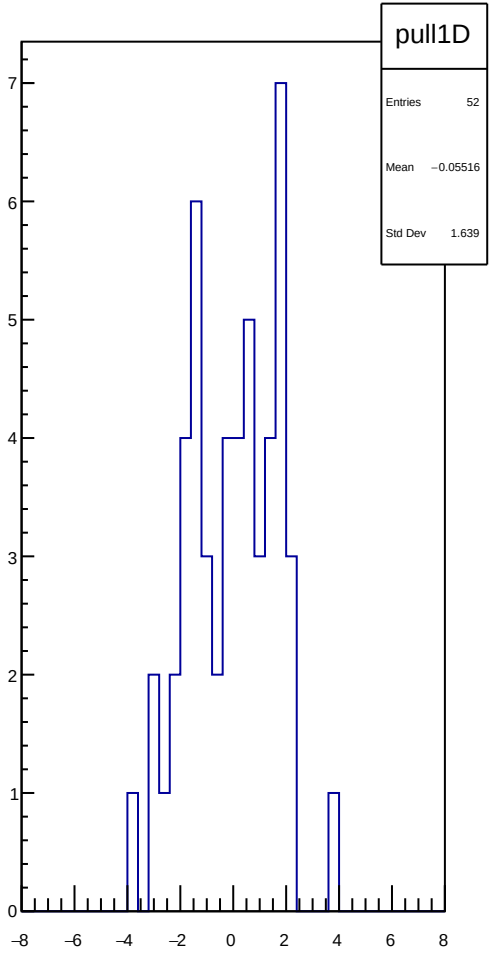

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 119.5 / 51
p0 16.99 ± 1.502
pull
Entries 52
Mean −340.6
Std Dev 0

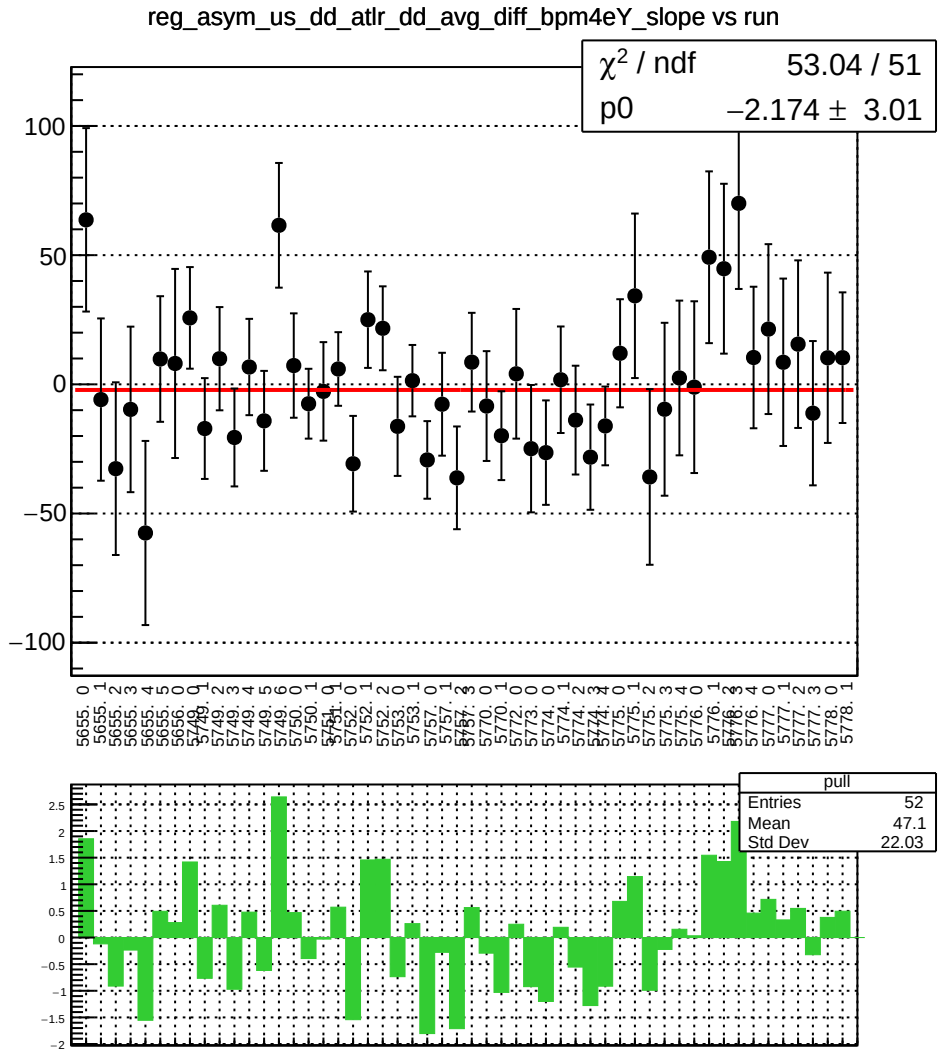

pull1D
Entries 52
Mean −0.04187
Std Dev 1.516

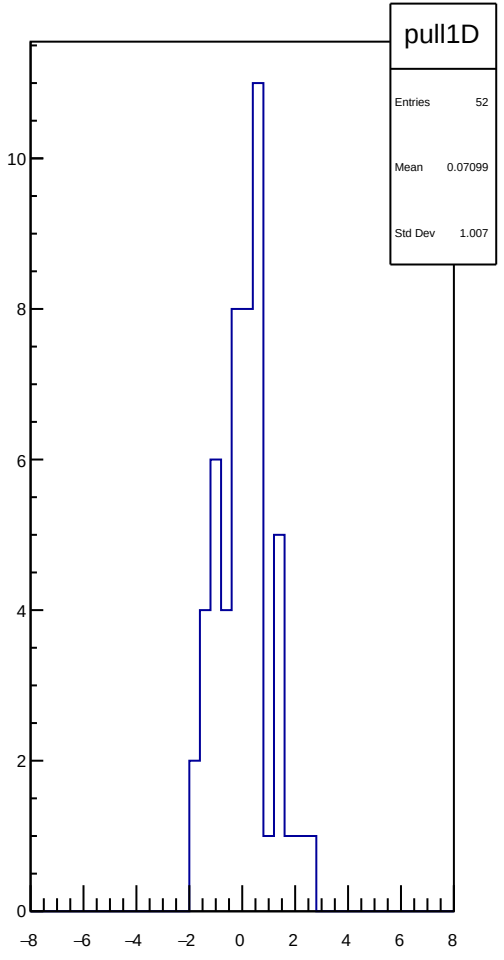

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 58.32 / 51
p0 5.008 ± 2.815
pull
Entries 52
Mean 56.4
Std Dev 0

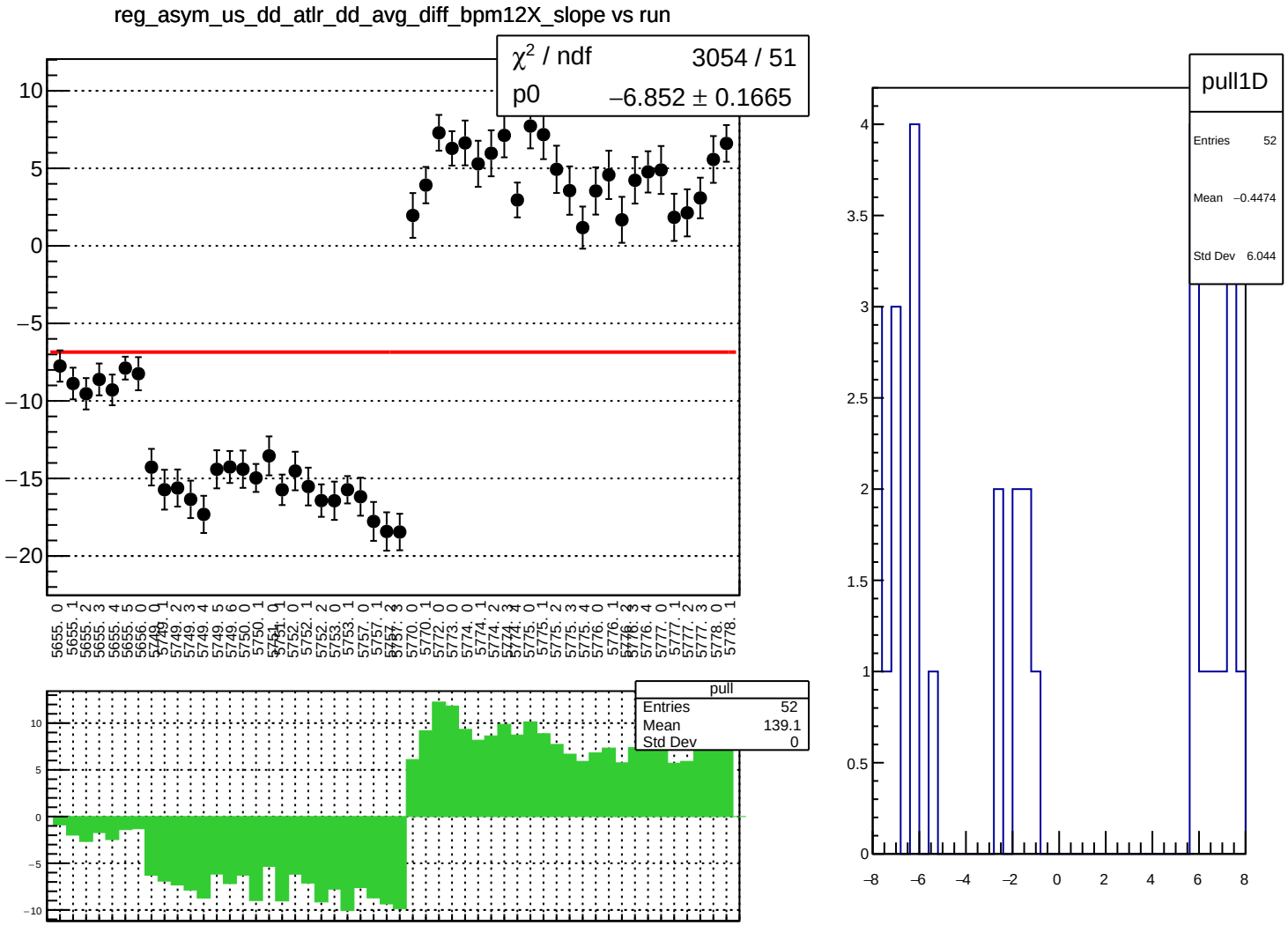

pull1D
Entries 52
Mean −0.1517
Std Dev 1.048

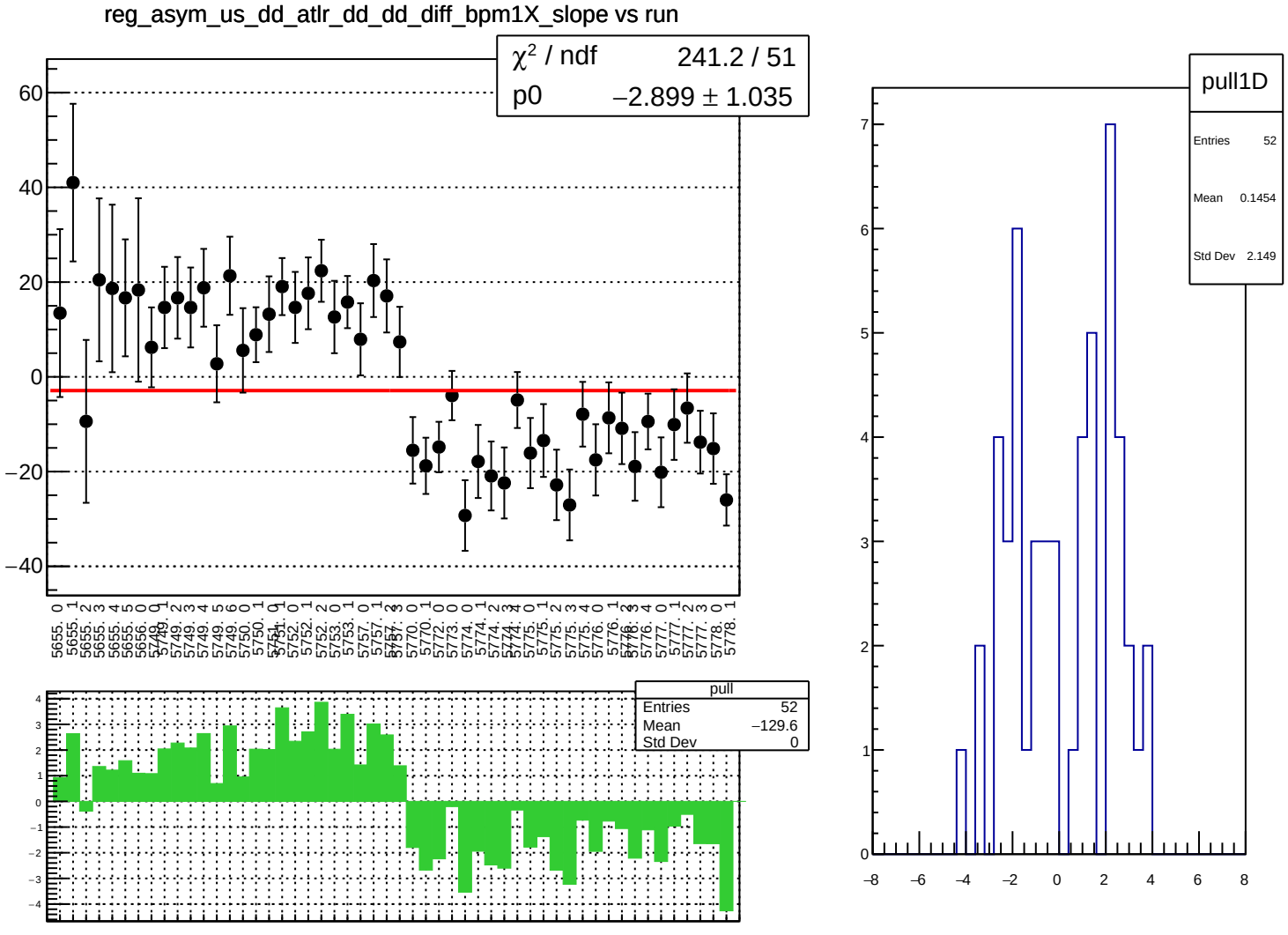

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 139.9 / 51
p0 −79.22 ± 2.27
pull
Entries 52
Mean 305.1
Std Dev 0

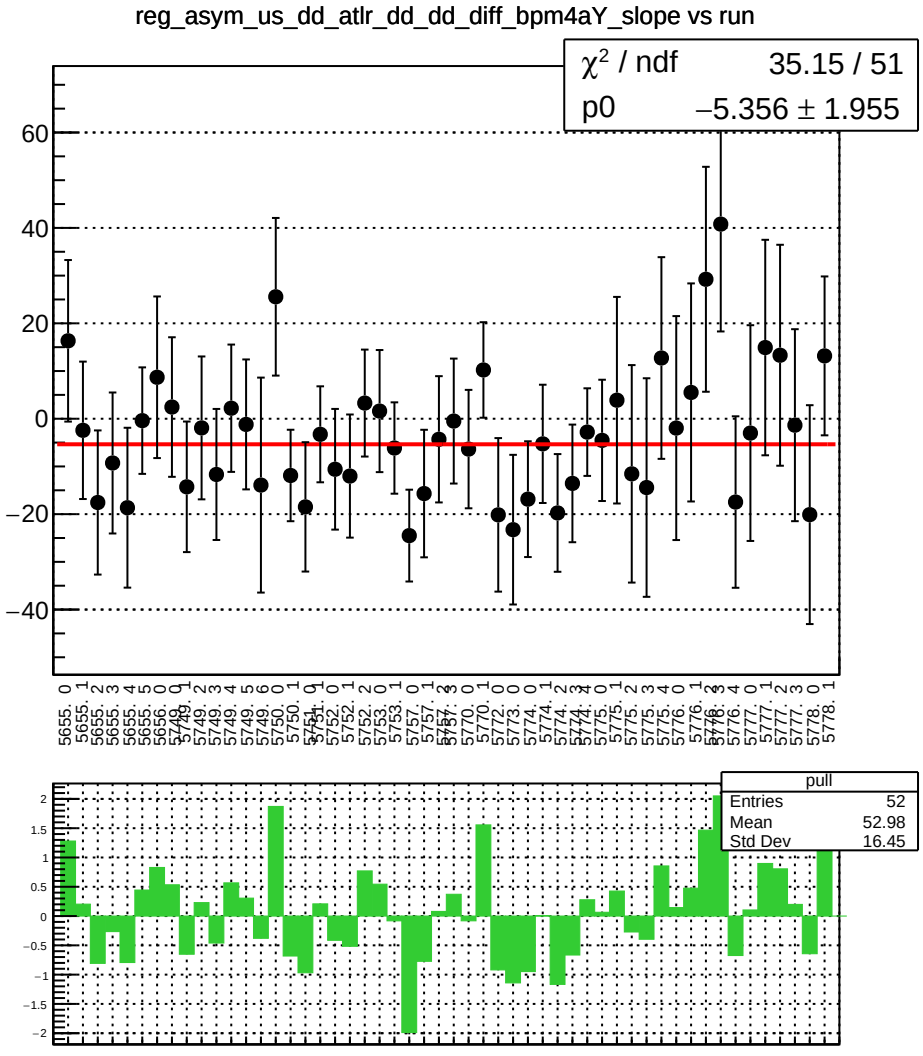

pull1D
Entries 52
Mean −0.05516
Std Dev 1.639

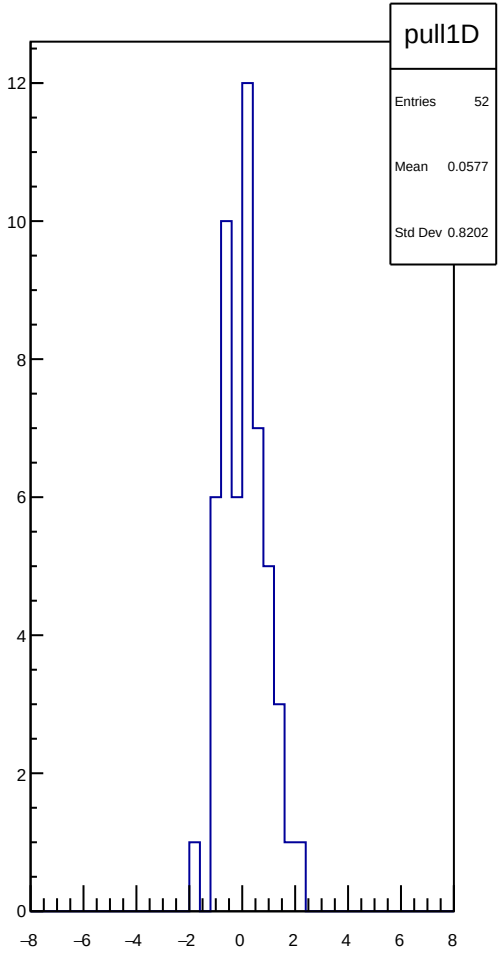

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 53.04 / 51
p0 −2.174 ± 3.01
pull
Entries 52
Mean 47.1
Std Dev 22.03

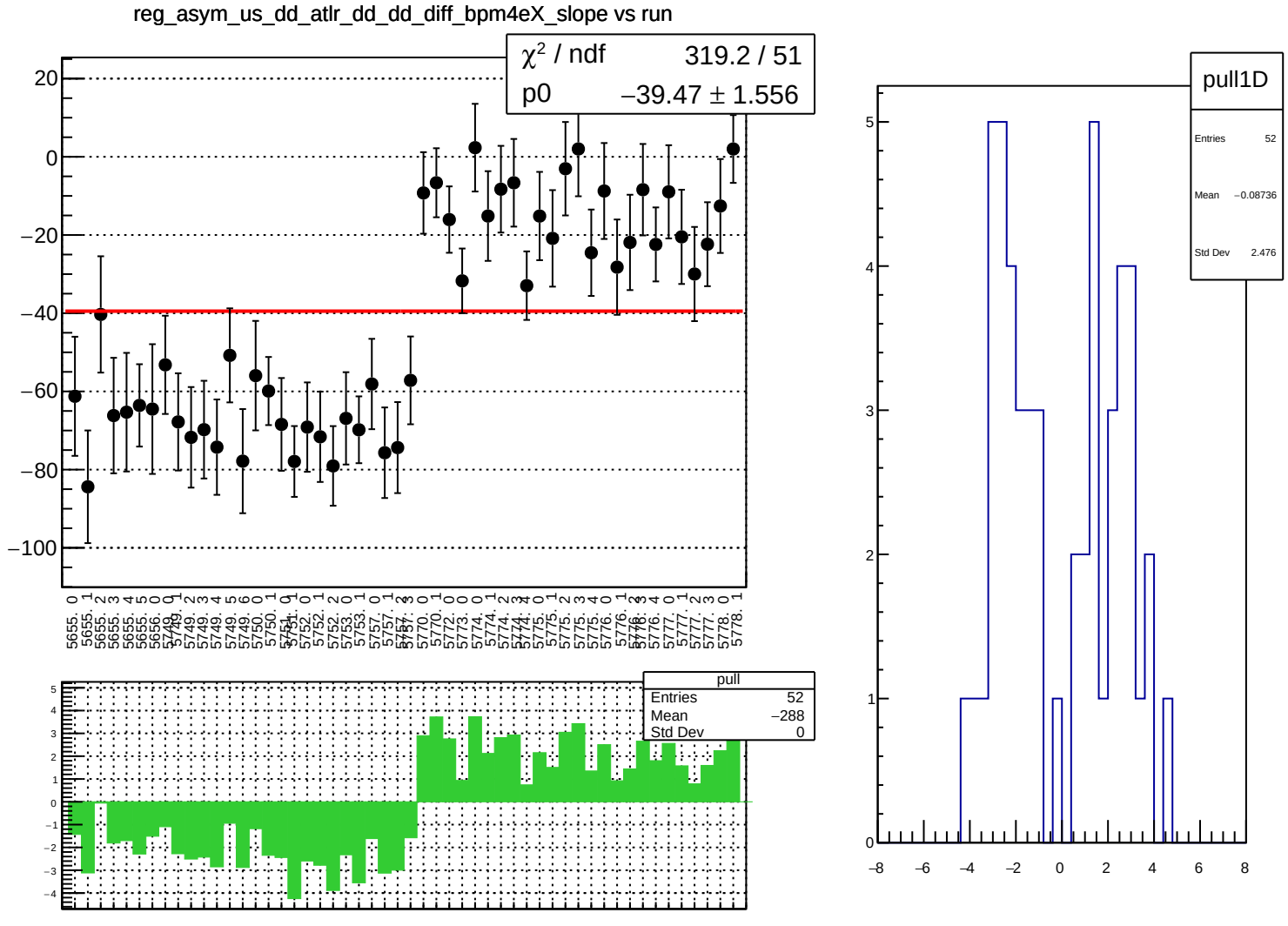

pull1D
Entries 52
Mean 0.07099
Std Dev 1.007

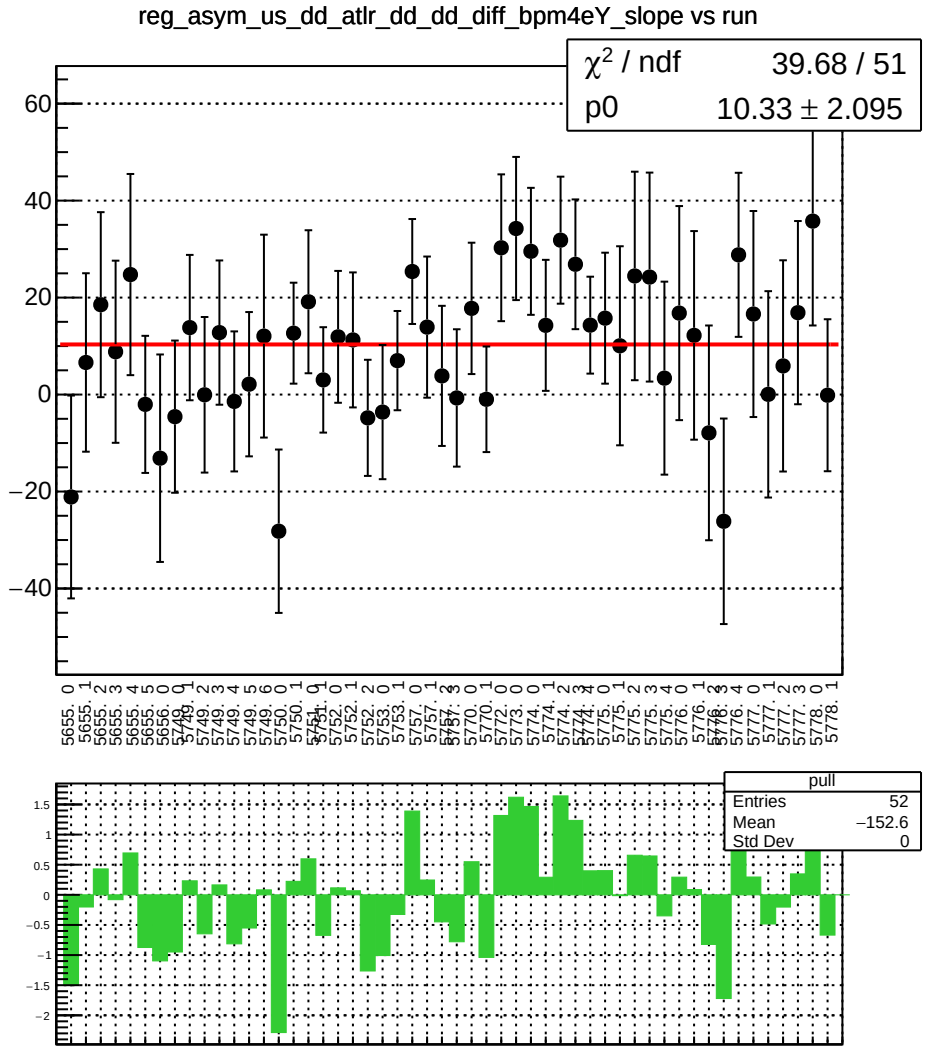

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 3054 / 51
p0 −6.852 ± 0.1665
pull
Entries 52
Mean 139.1
Std Dev 0
pull1D
Entries 52
Mean −0.4474
Std Dev 6.044

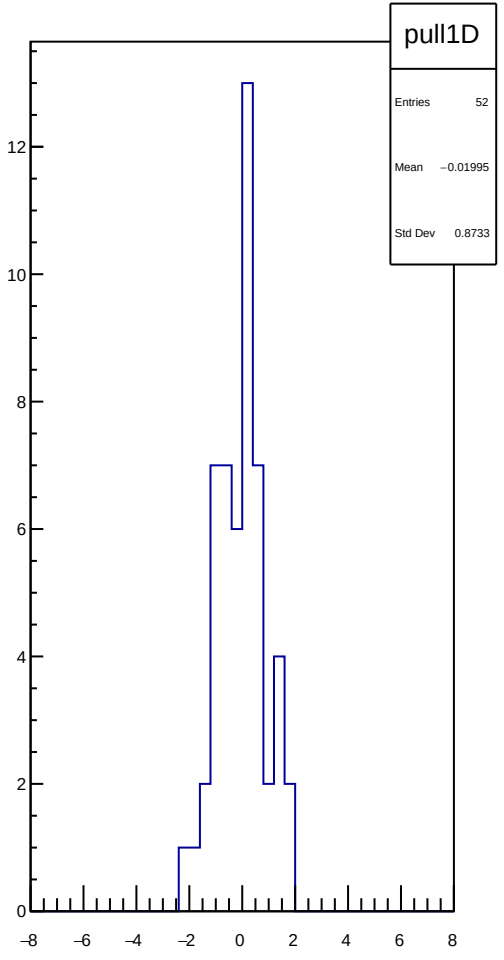

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 241.2 / 51
p0 −2.899 ± 1.035
pull
Entries 52
Mean −129.6
Std Dev 0
pull1D
Entries 52
Mean 0.1454
Std Dev 2.149

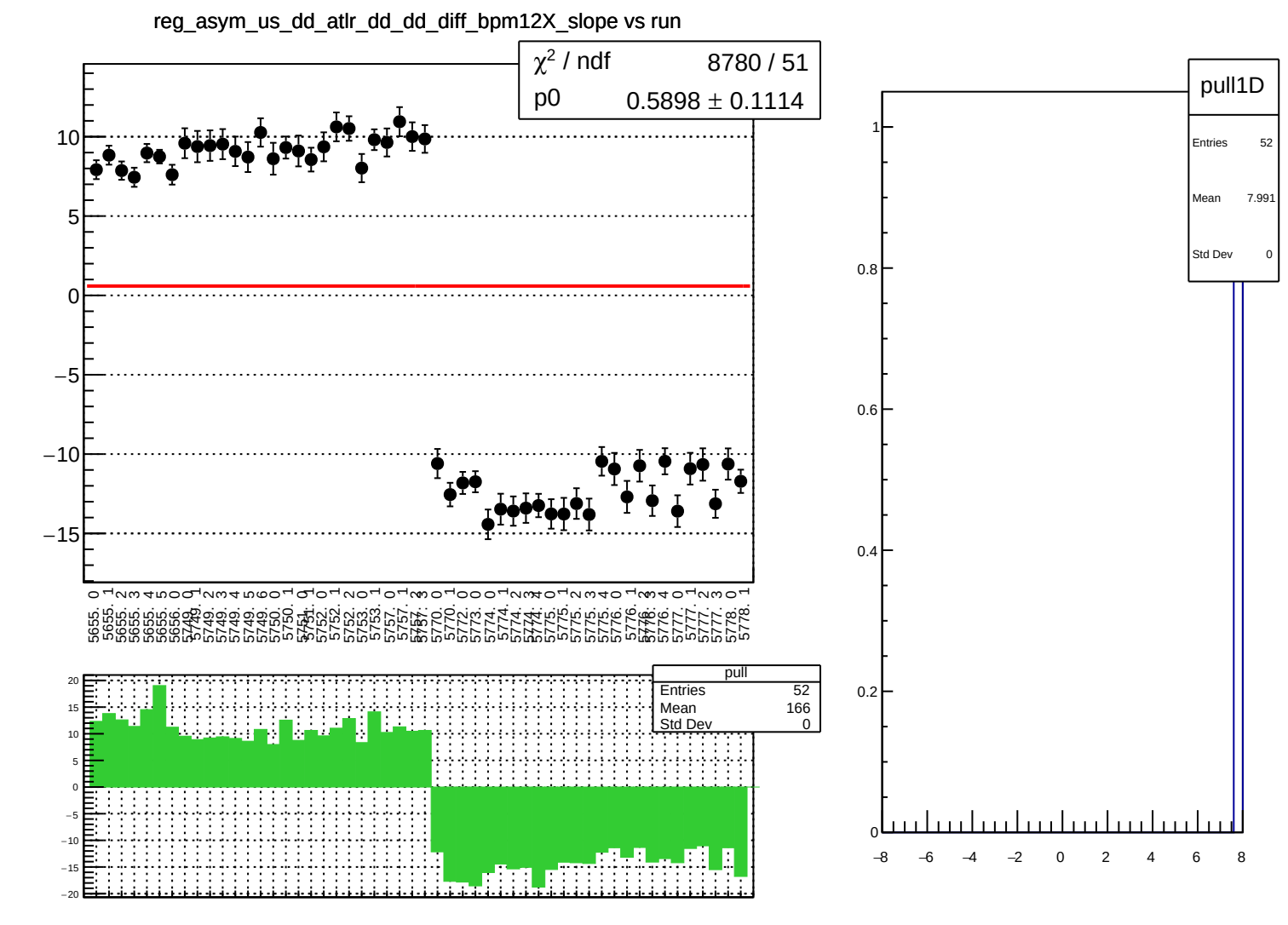

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 35.15 / 51
p0 −5.356 ± 1.955
pull
Entries 52
Mean 52.98
Std Dev 16.45

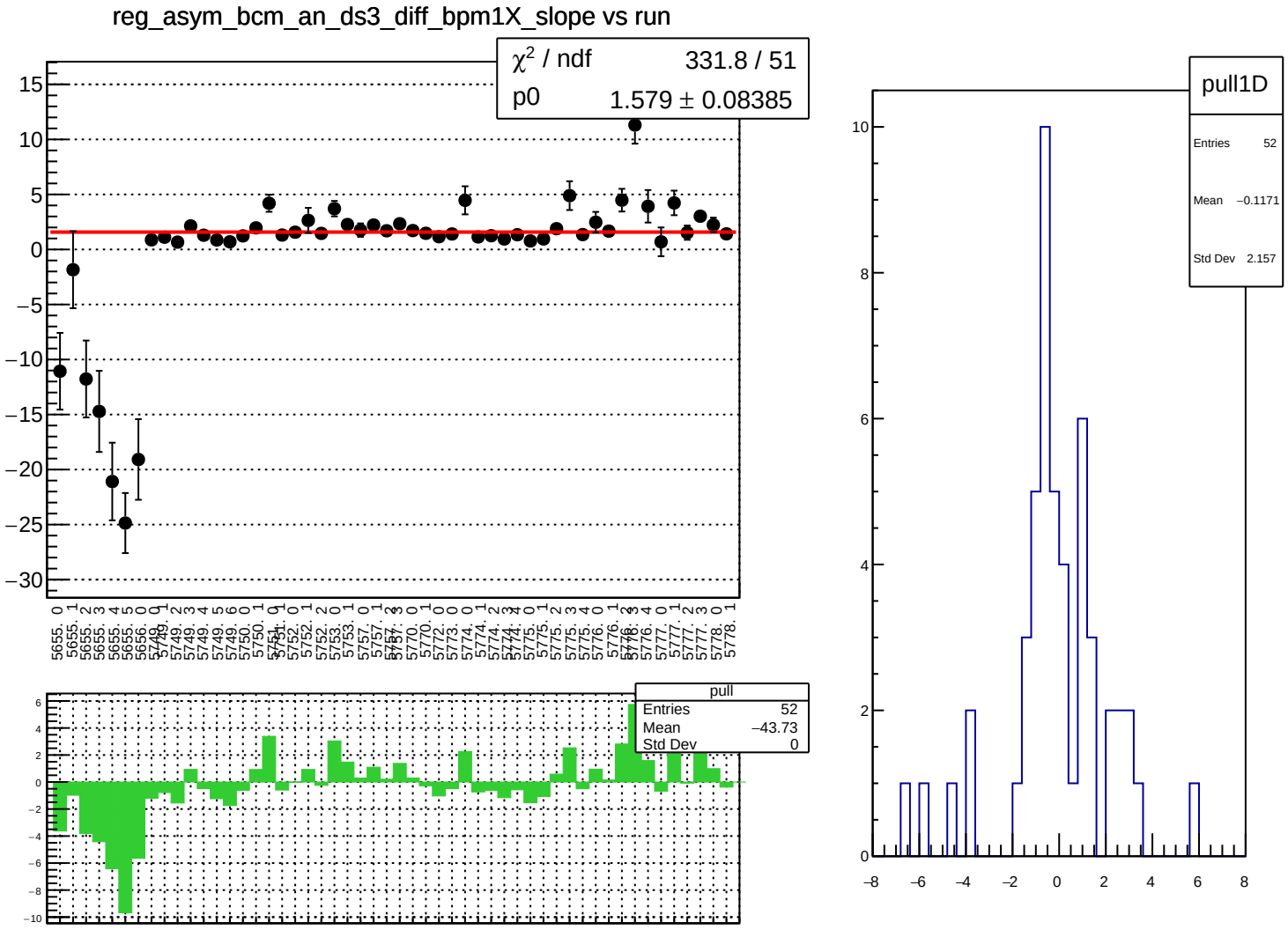

pull1D
Entries 52
Mean 0.0577
Std Dev 0.8202

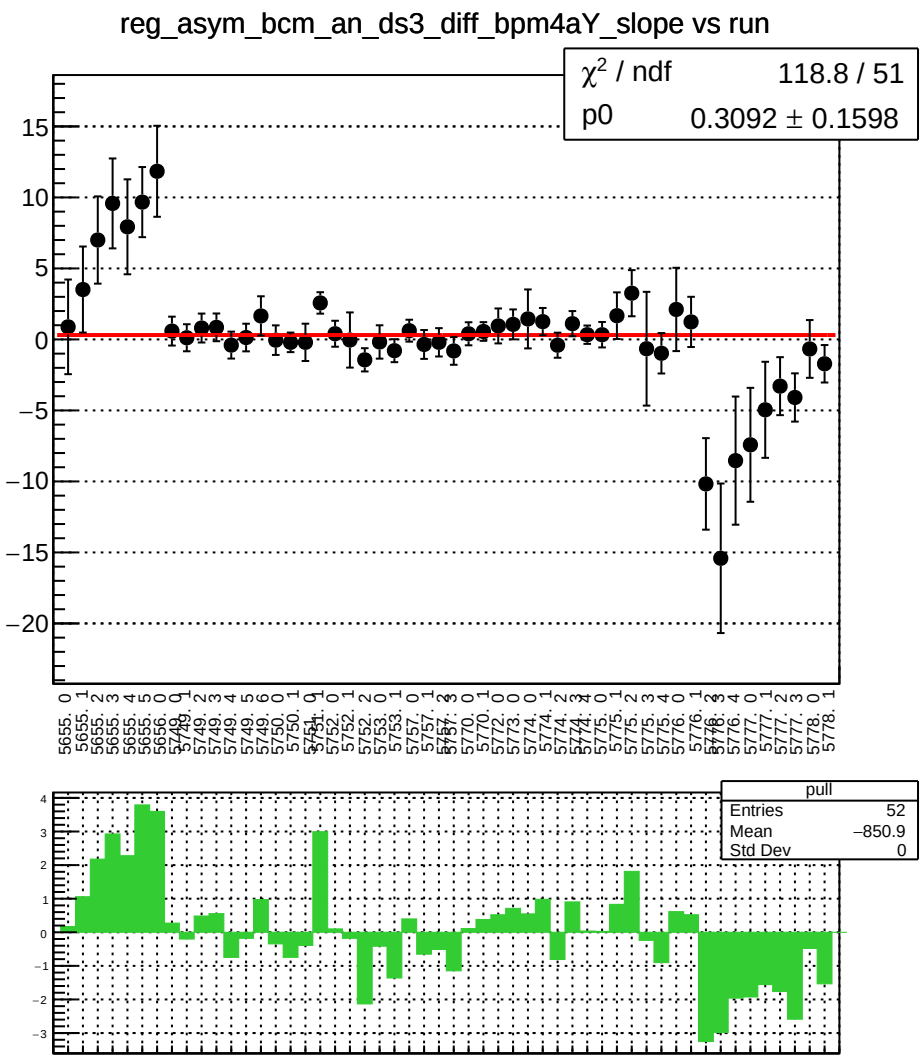

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 319.2 / 51
p0 −39.47 ± 1.556
pull
Entries 52
Mean −288
Std Dev 0
pull1D
Entries 52
Mean −0.08736
Std Dev 2.476

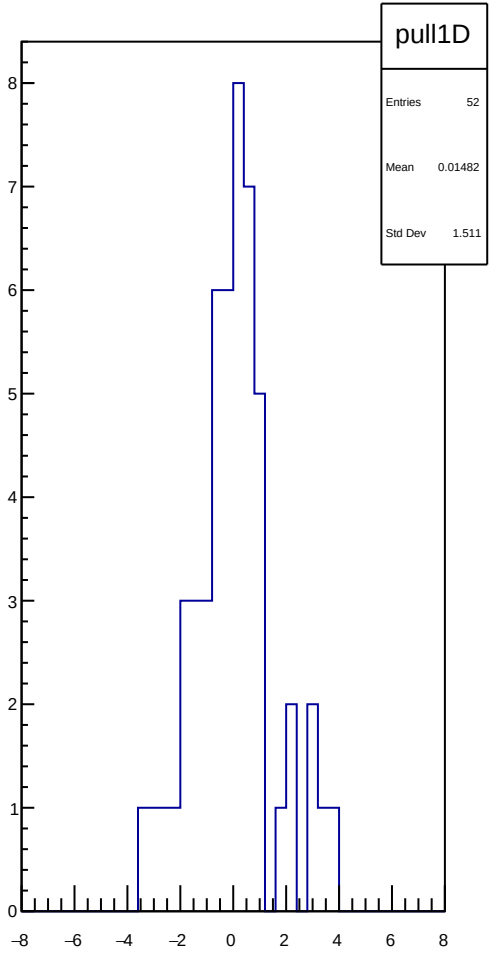

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 39.68 / 51
p0 10.33 ± 2.095
pull
Entries 52
Mean −152.6
Std Dev 0

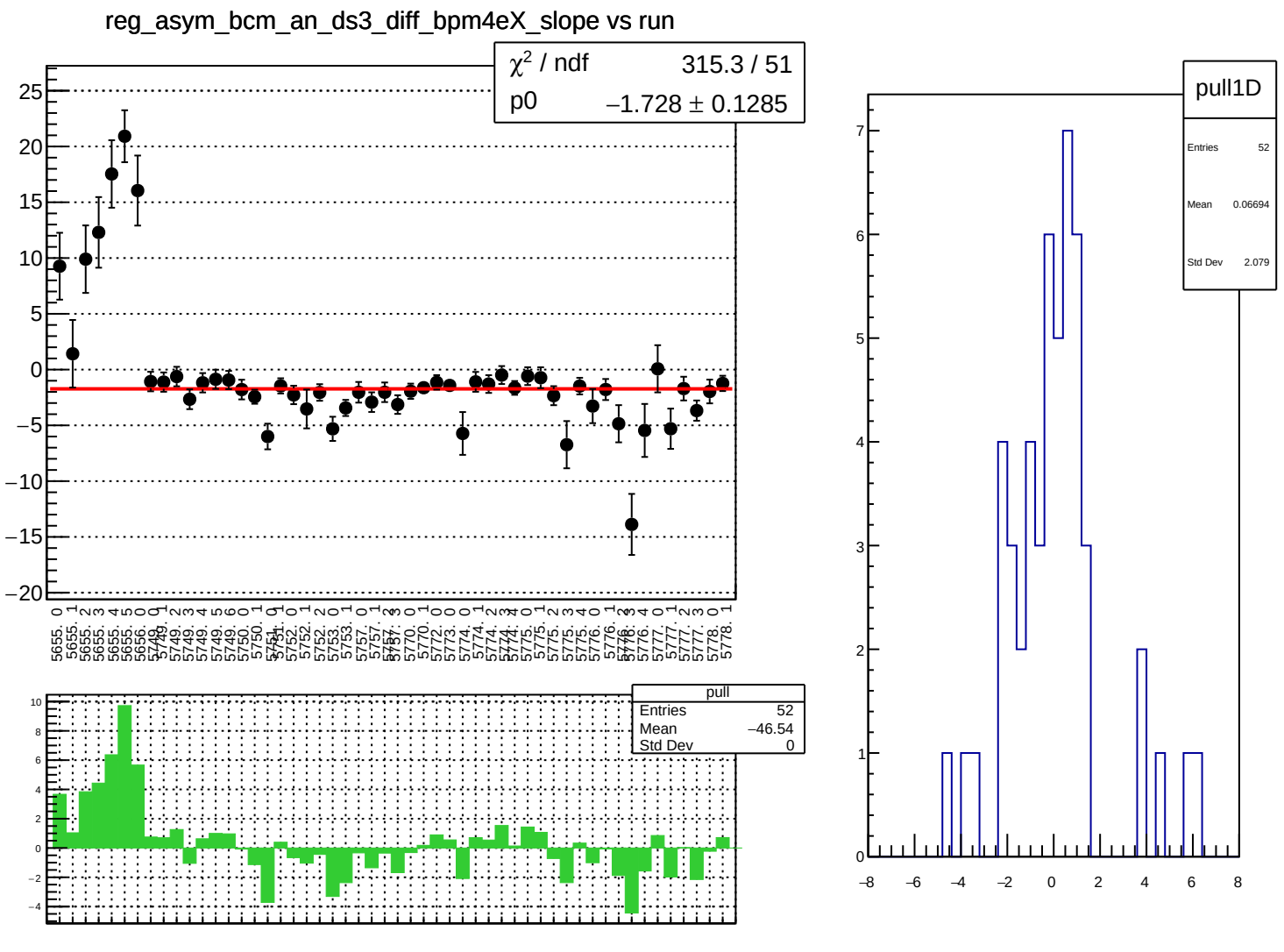

pull1D
Entries 52
Mean −0.01995
Std Dev 0.8733

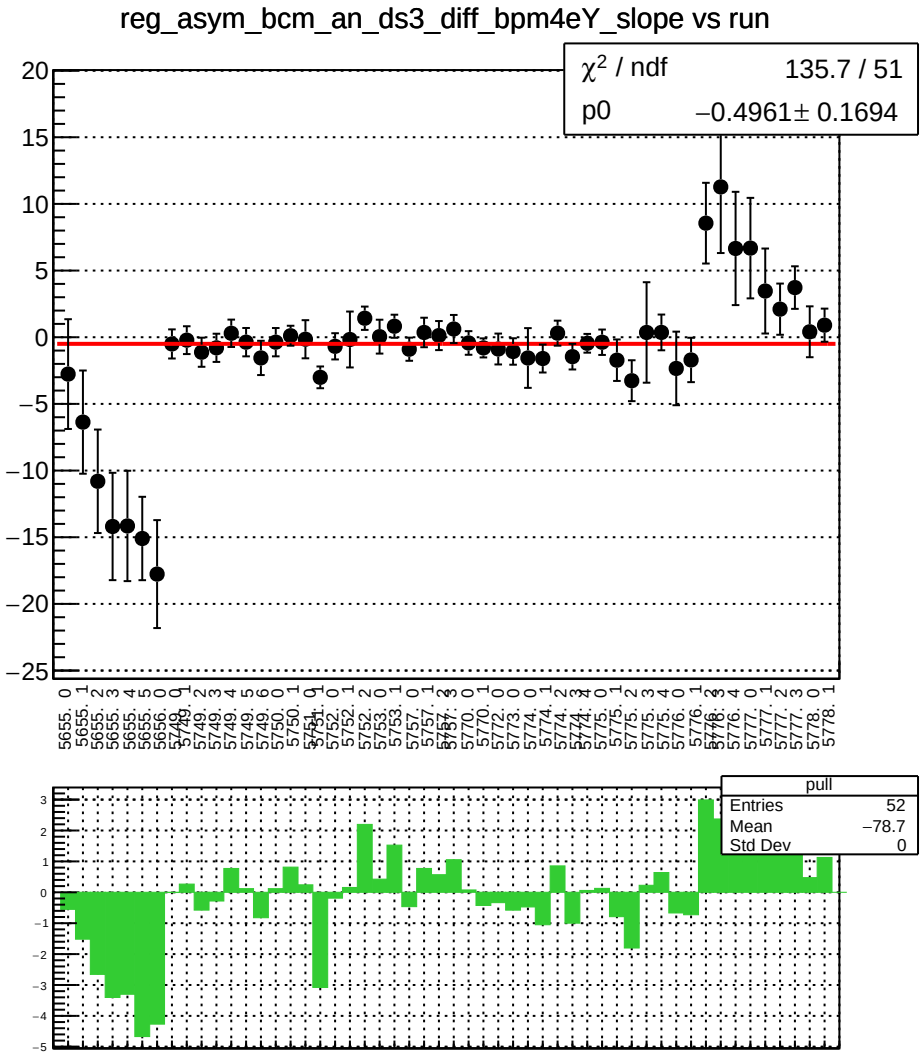

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 8780 / 51
p0 0.5898 ± 0.1114
pull
Entries 52
Mean 166
Std Dev 0
pull1D
Entries 52
Mean 7.991
Std Dev 0

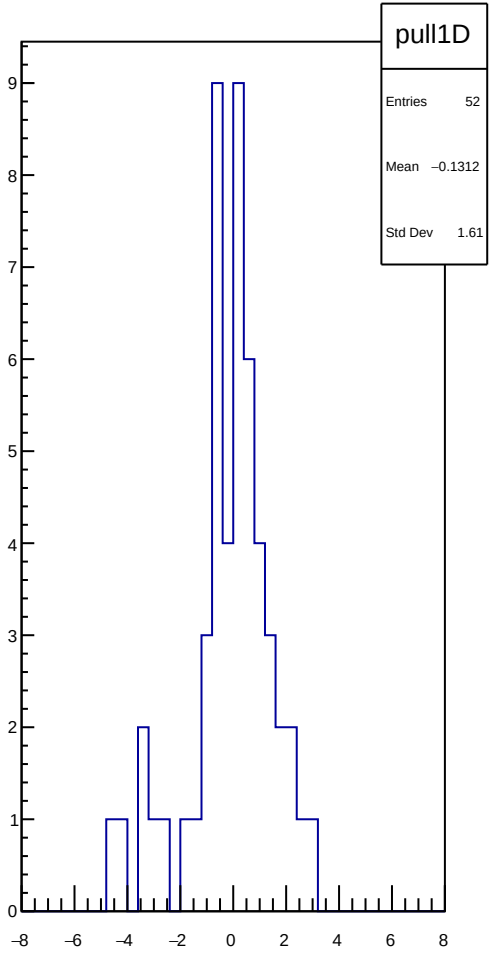

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 331.8 / 51
p0 1.579 ± 0.08385
pull
Entries 52
Mean −43.73
Std Dev 0
pull1D
Entries 52
Mean −0.1171
Std Dev 2.157

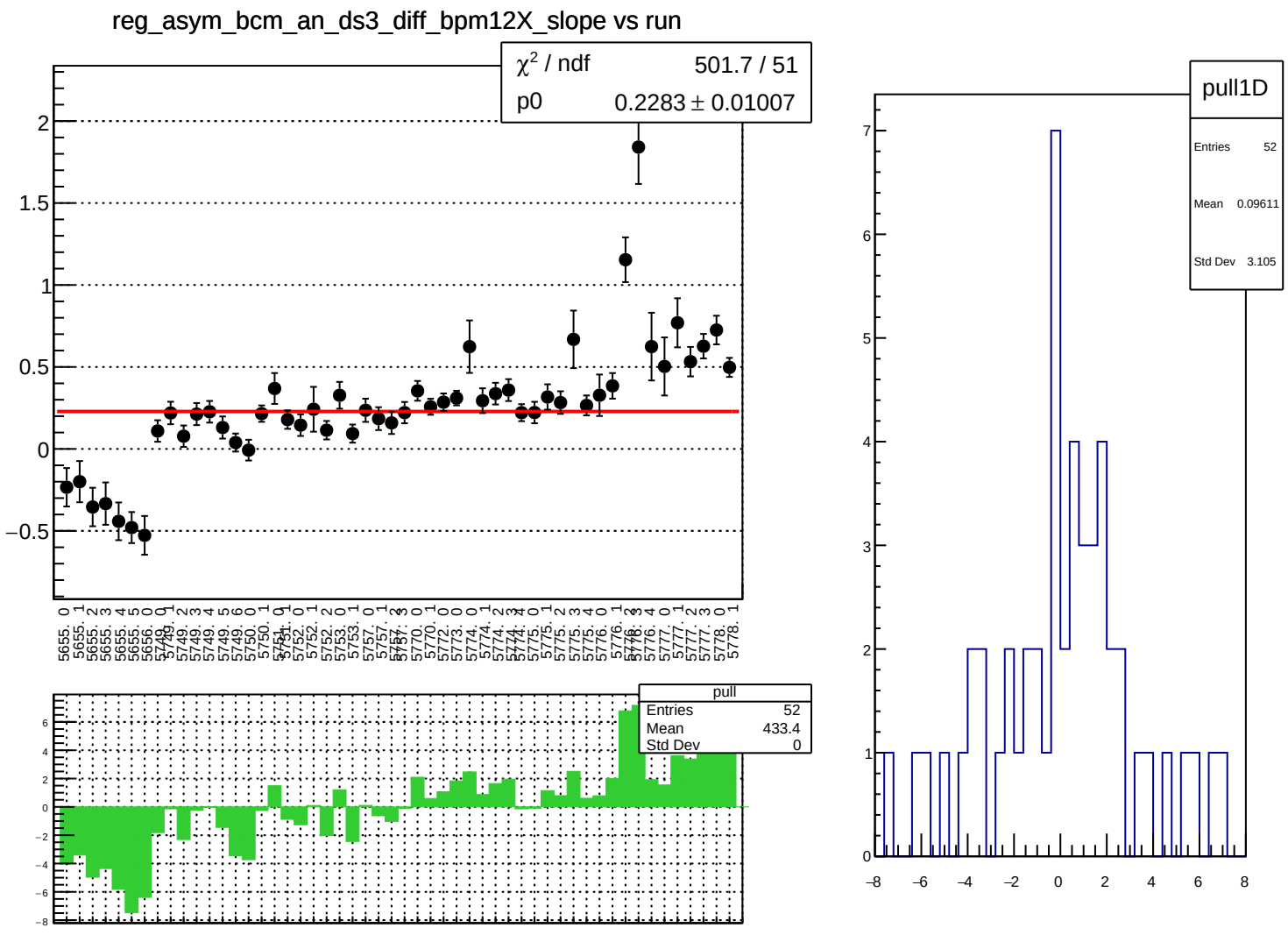

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 118.8 / 51
p0 0.3092 ± 0.1598
pull
Entries 52
Mean −850.9
Std Dev 0

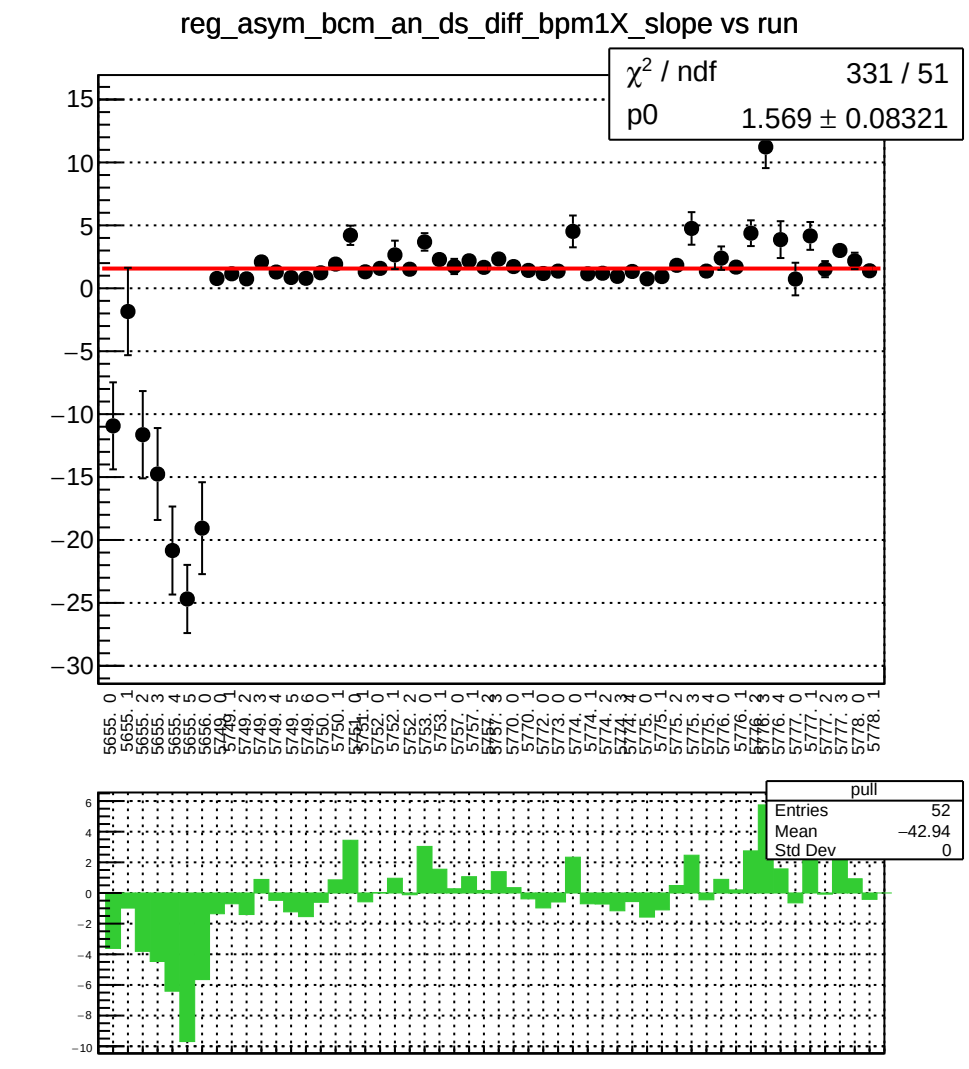

pull1D
Entries 52
Mean 0.01482
Std Dev 1.511

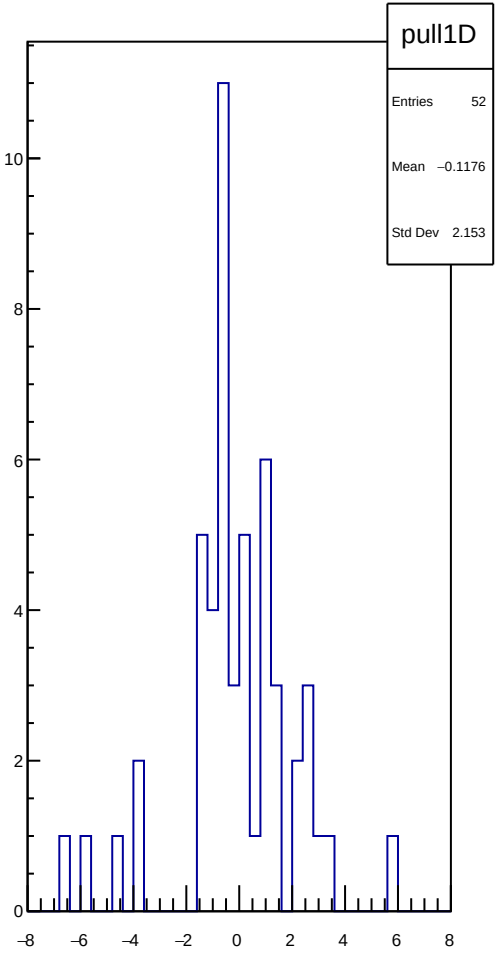

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 315.3 / 51
p0 −1.728 ± 0.1285
pull
Entries 52
Mean −46.54
Std Dev 0
pull1D
Entries 52
Mean 0.06694
Std Dev 2.079

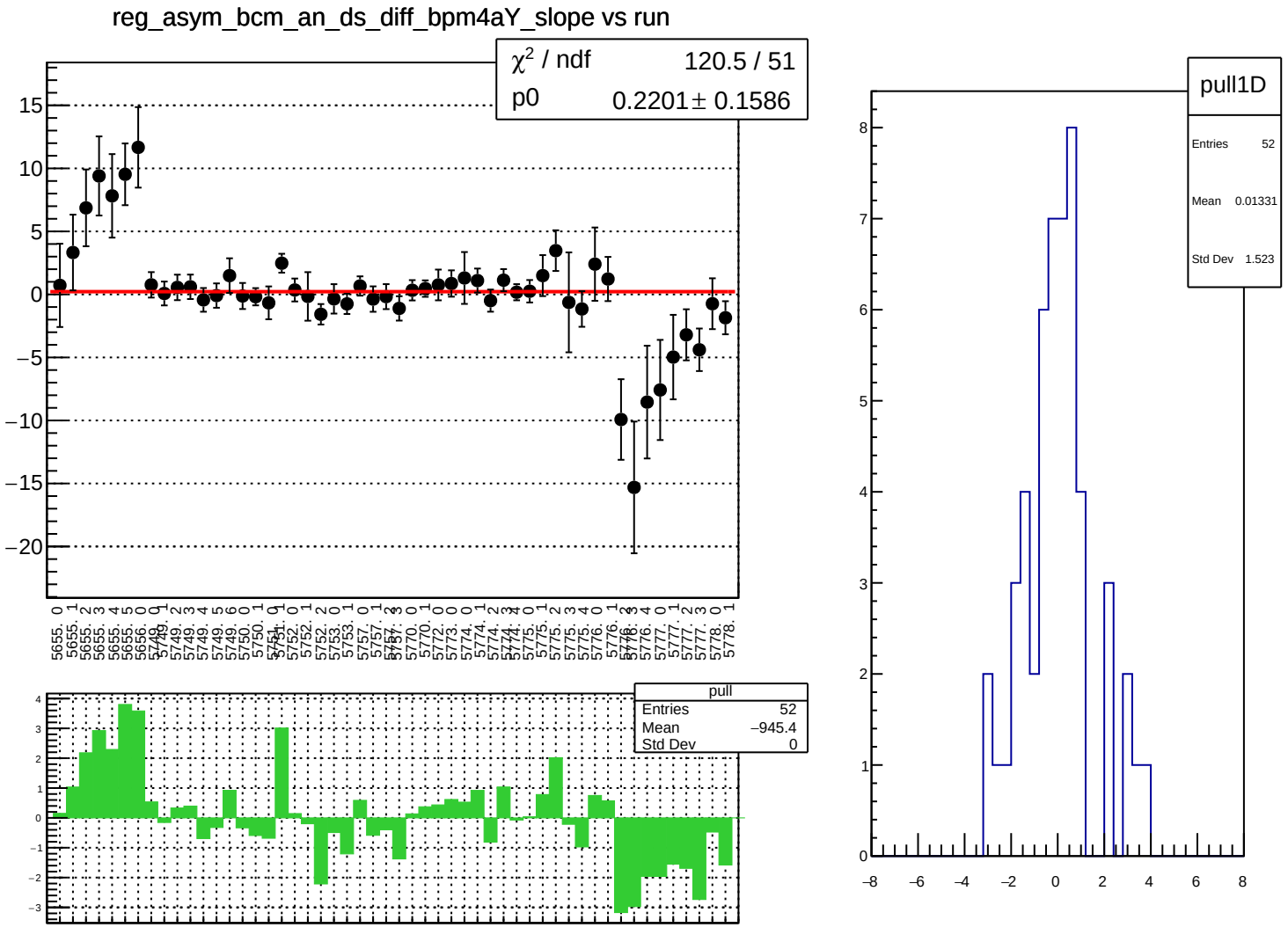

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 135.7 / 51
p0 −0.4961± 0.1694
pull
Entries 52
Mean −78.7
Std Dev 0

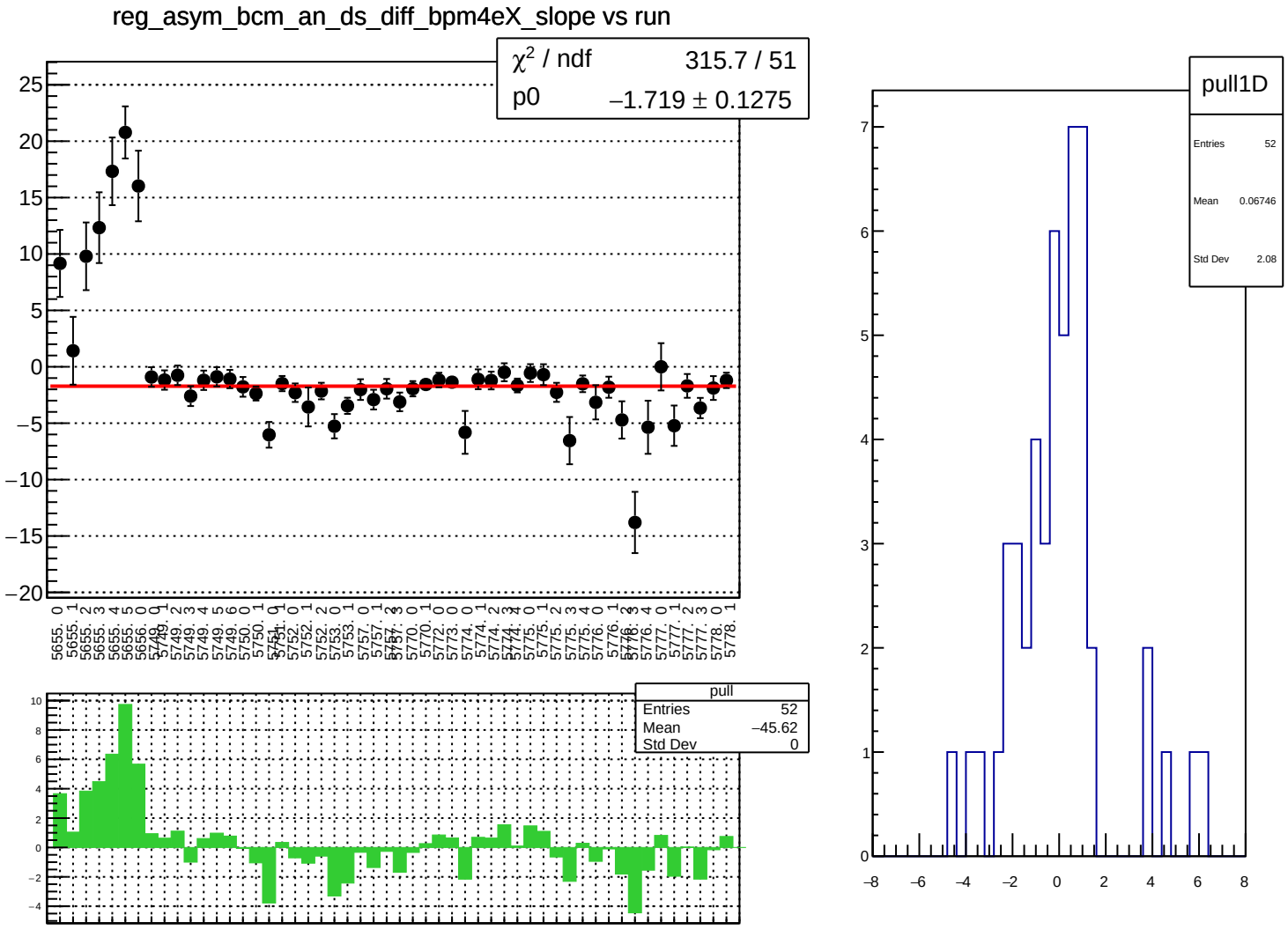

pull1D
Entries 52
Mean −0.1312
Std Dev 1.61

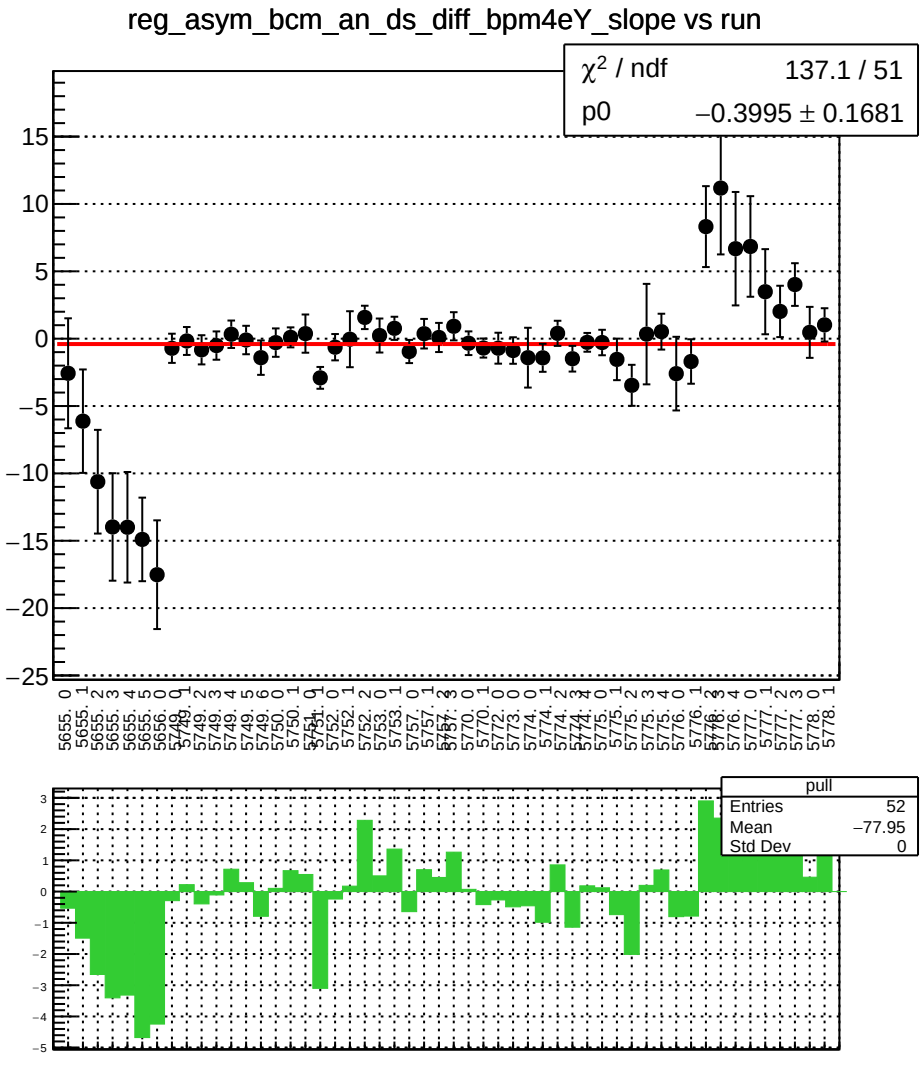

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 501.7 / 51
p0 0.2283 ± 0.01007
pull
Entries 52
Mean 433.4
Std Dev 0
pull1D
Entries 52
Mean 0.09611
Std Dev 3.105

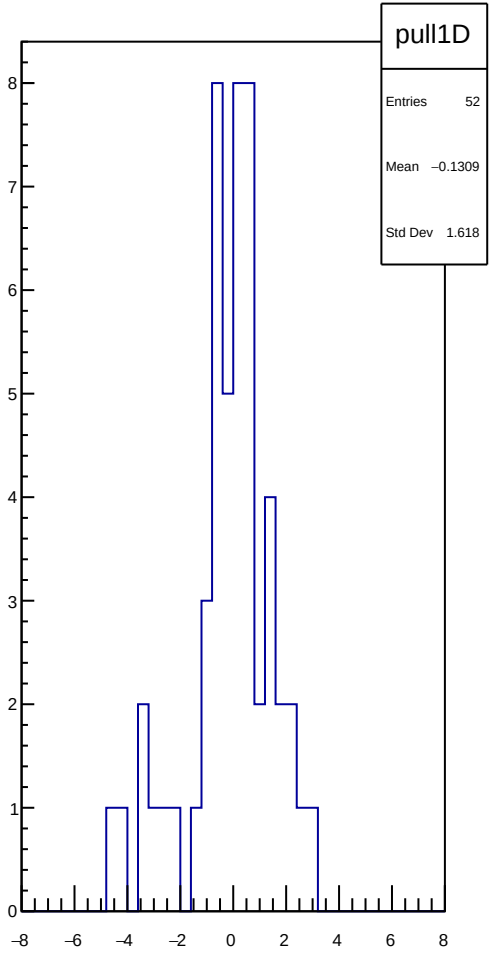

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 331 / 51
p0 1.569 ± 0.08321
pull
Entries 52
Mean −42.94
Std Dev 0

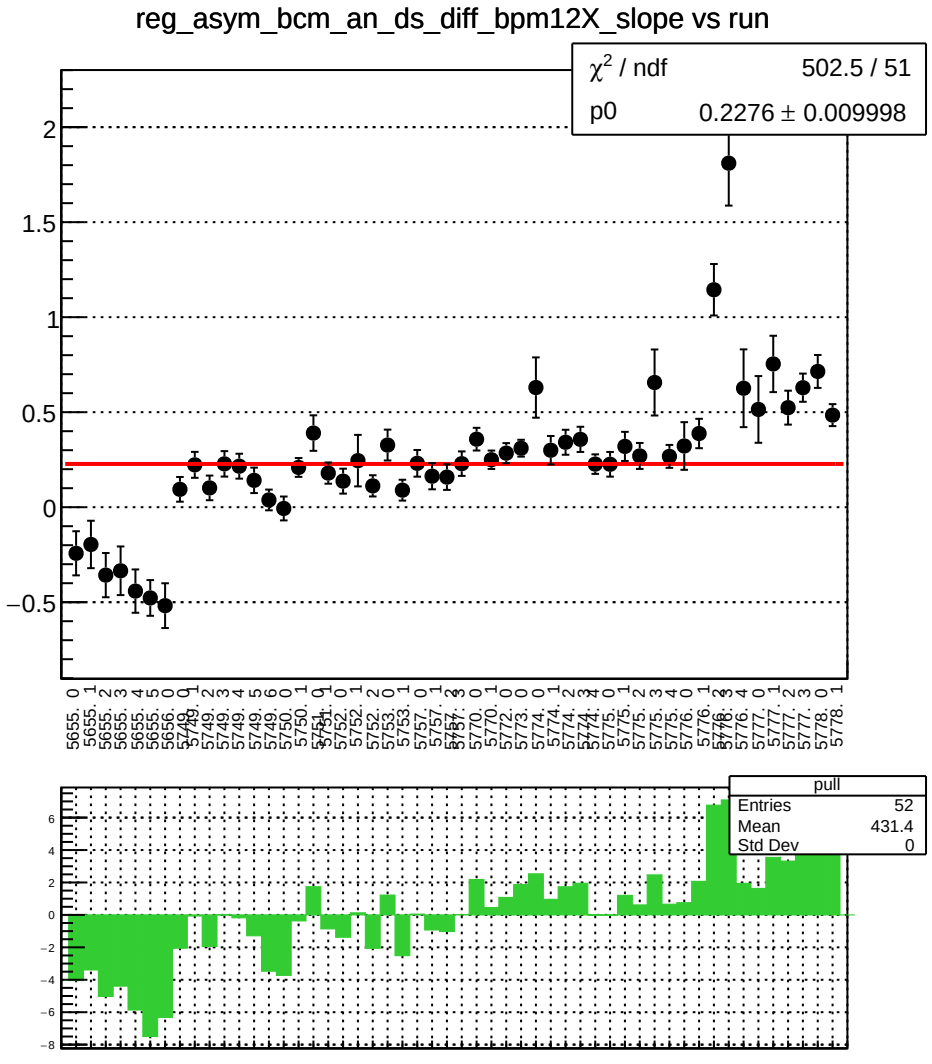

pull1D
Entries 52
Mean −0.1176
Std Dev 2.153

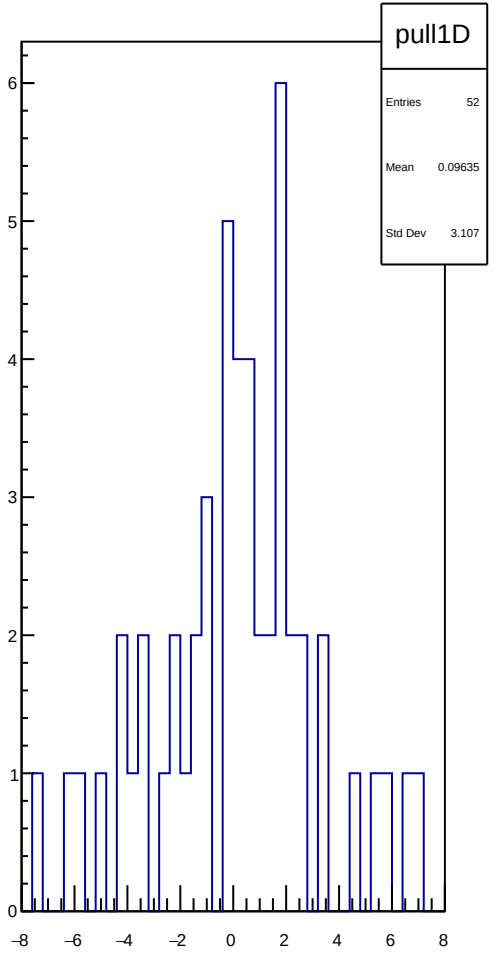

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 120.5 / 51
p0 0.2201± 0.1586
pull
Entries 52
Mean −945.4
Std Dev 0
pull1D
Entries 52
Mean 0.01331
Std Dev 1.523

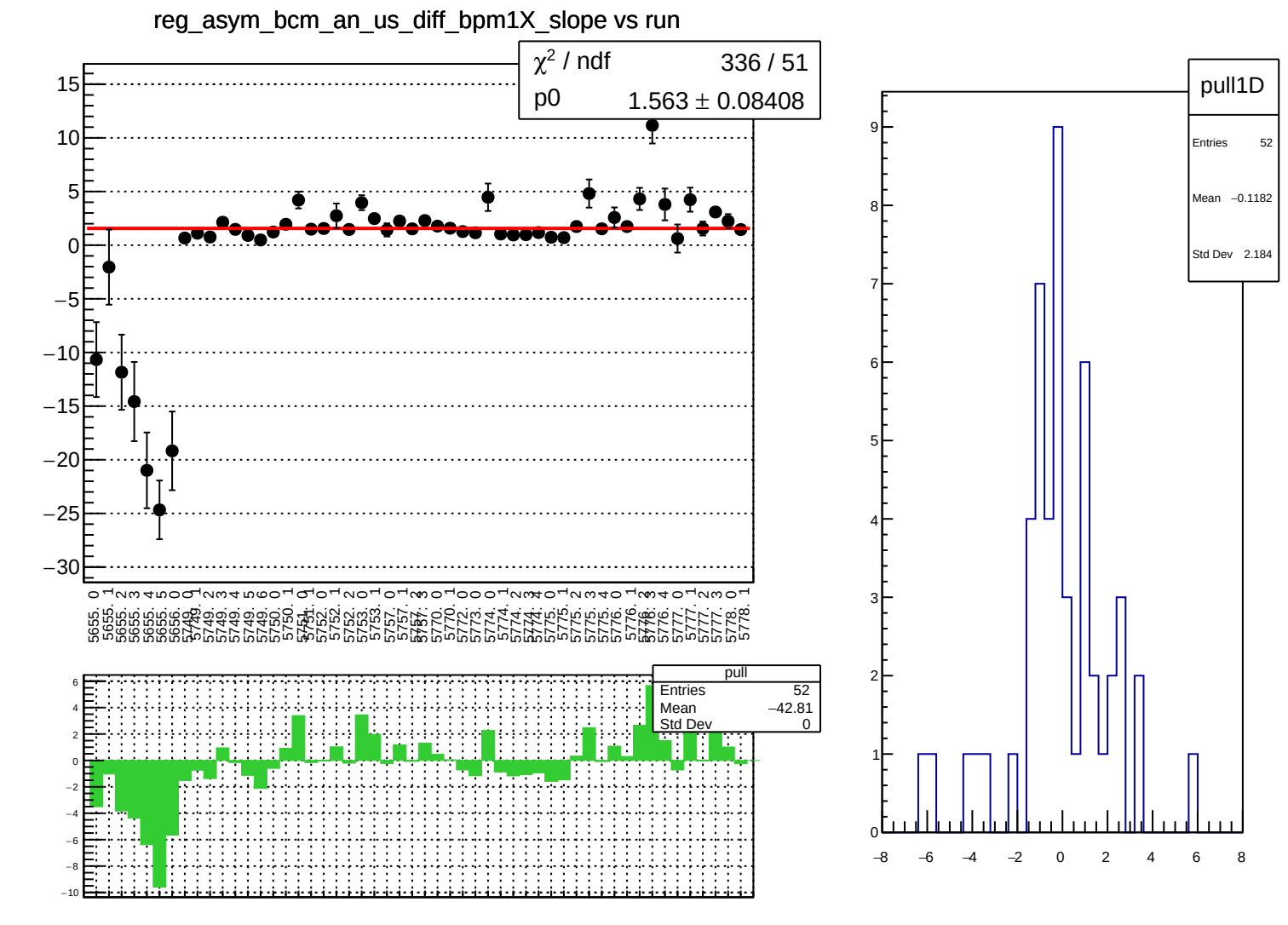

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 315.7 / 51
p0 −1.719 ± 0.1275
pull
Entries 52
Mean −45.62
Std Dev 0
pull1D
Entries 52
Mean 0.06746
Std Dev 2.08

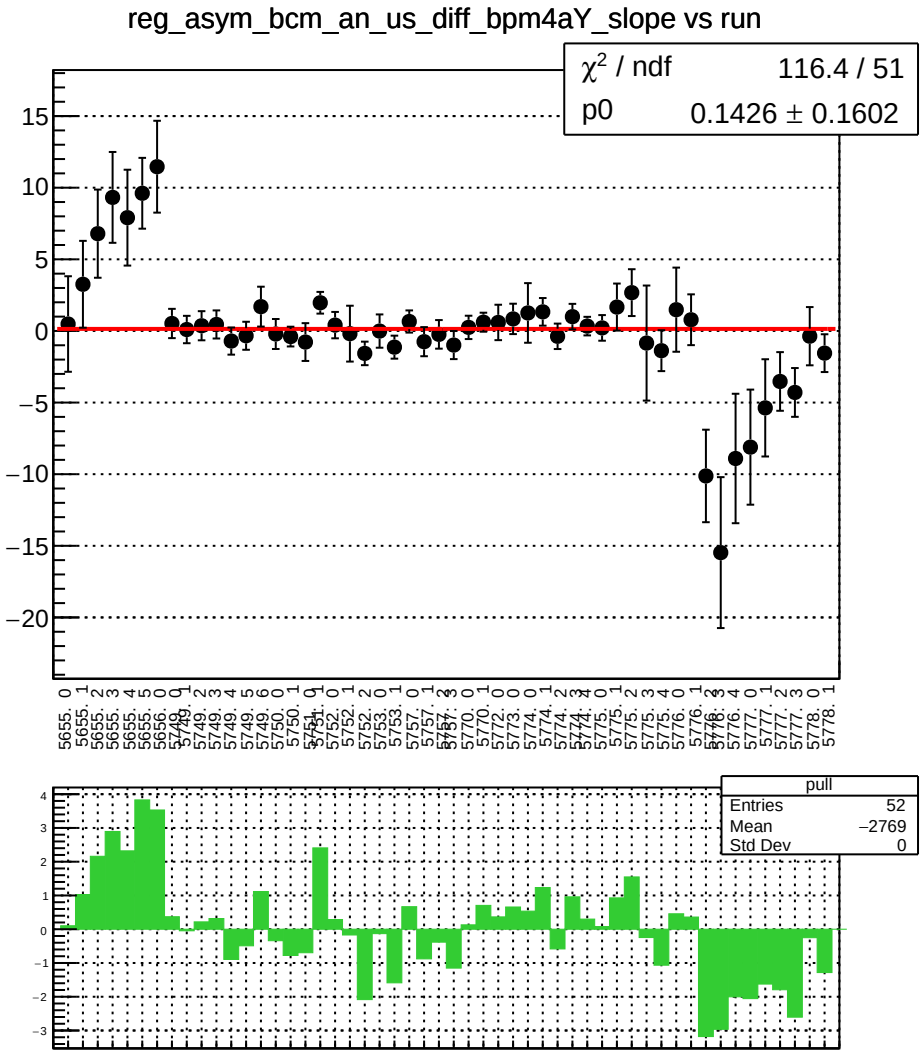

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 137.1 / 51
p0 −0.3995 ± 0.1681
pull
Entries 52
Mean −77.95
Std Dev 0

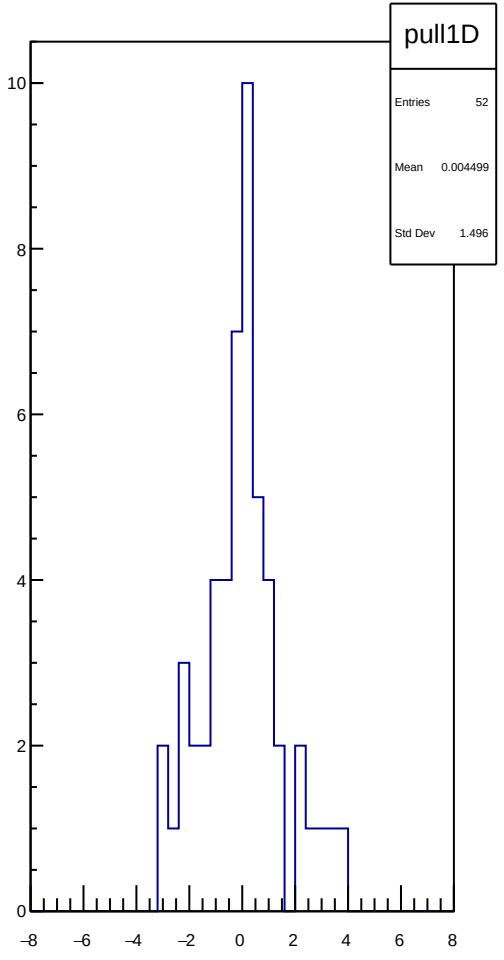

pull1D
Entries 52
Mean −0.1309
Std Dev 1.618

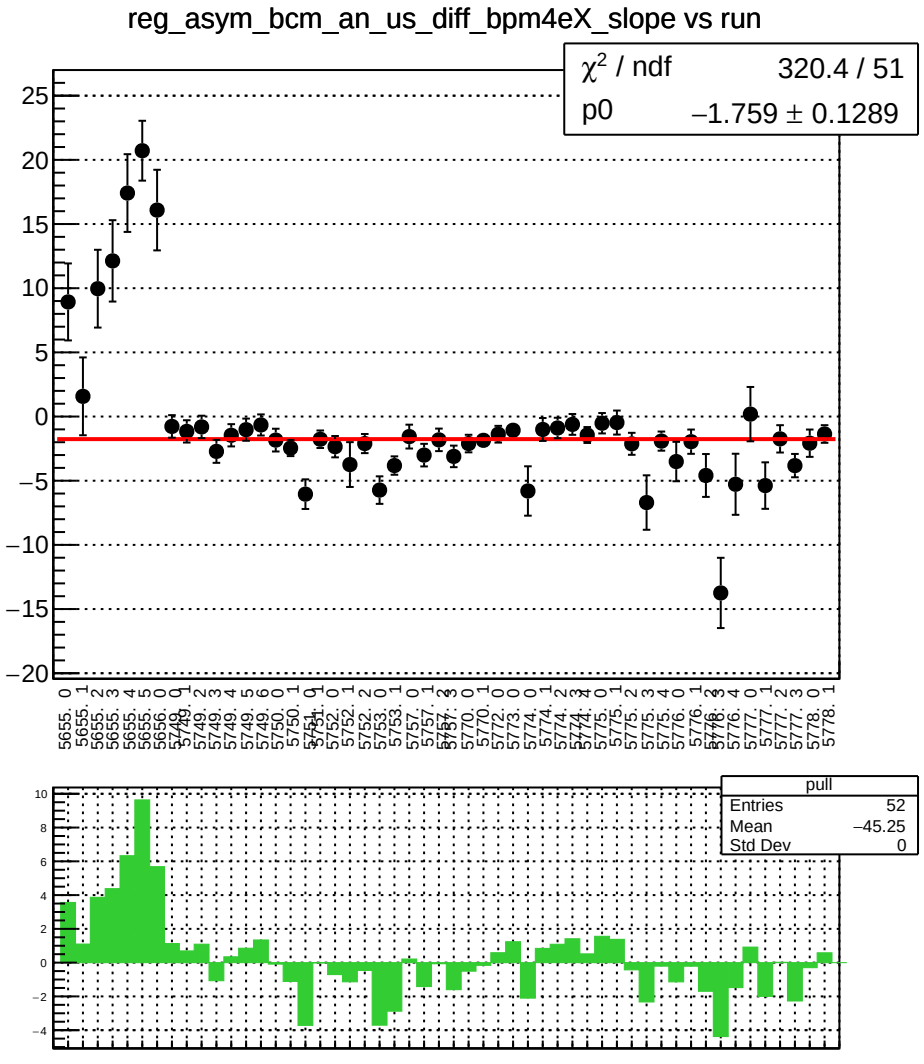

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 502.5 / 51
p0 0.2276 ± 0.009998
pull
Entries 52
Mean 431.4
Std Dev 0

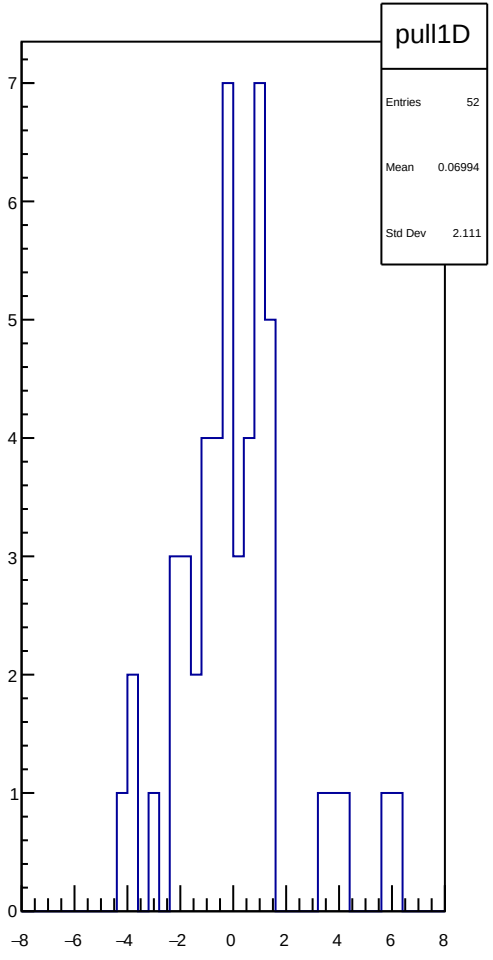

pull1D
Entries 52
Mean 0.09635
Std Dev 3.107

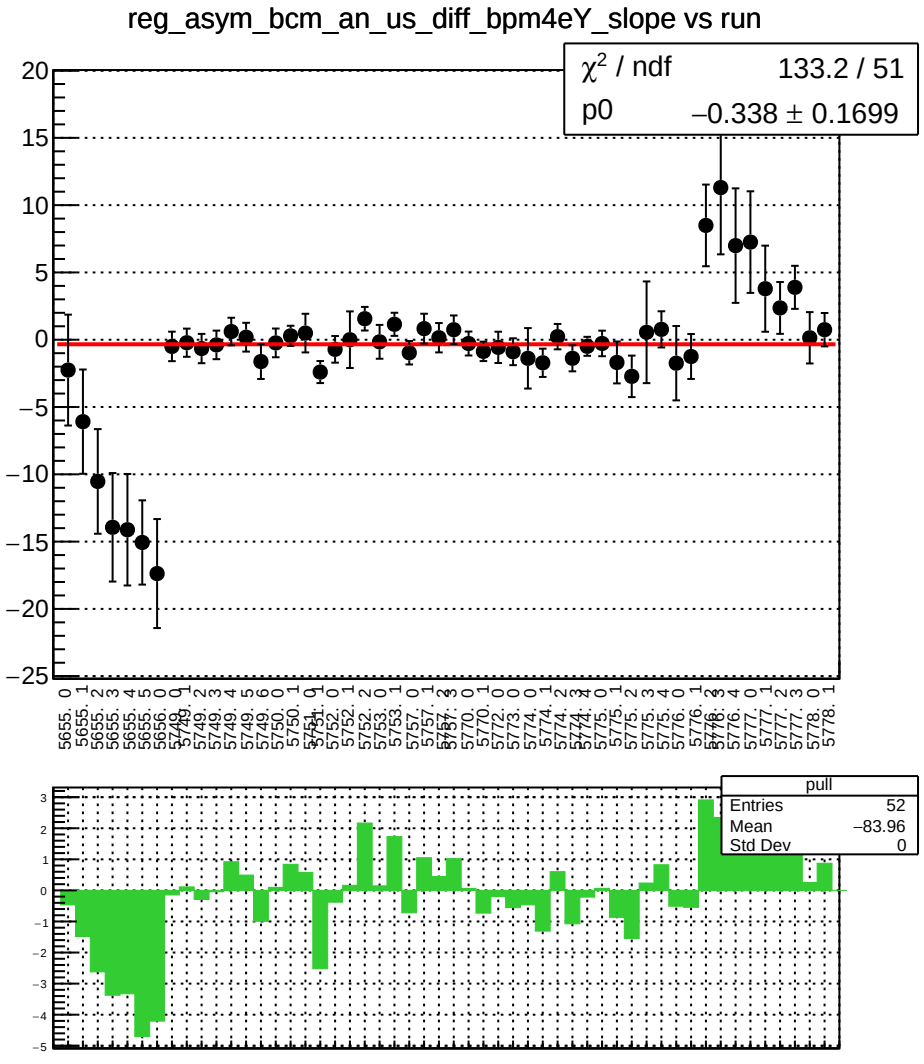

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 336 / 51
p0 1.563 ± 0.08408
pull
Entries 52
Mean −42.81
Std Dev 0
pull1D
Entries 52
Mean −0.1182
Std Dev 2.184

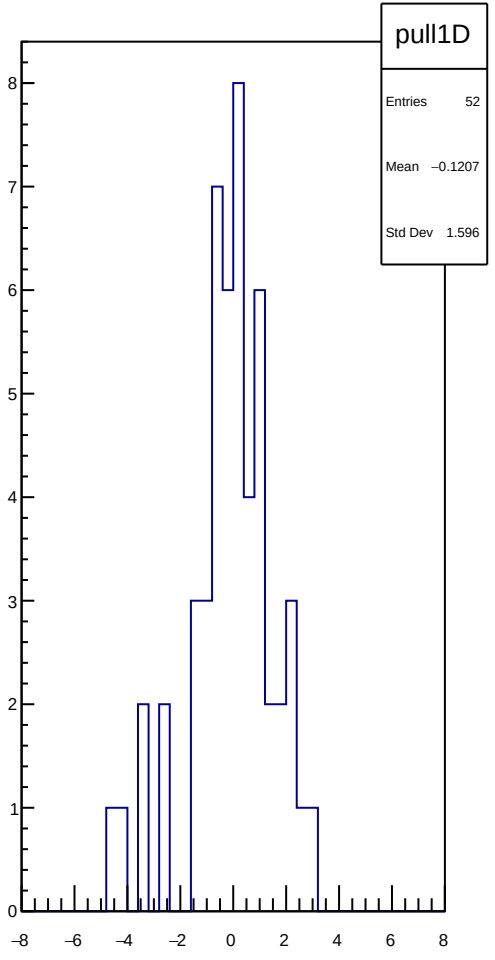

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 116.4 / 51
p0 0.1426 ± 0.1602
pull
Entries 52
Mean −2769
Std Dev 0

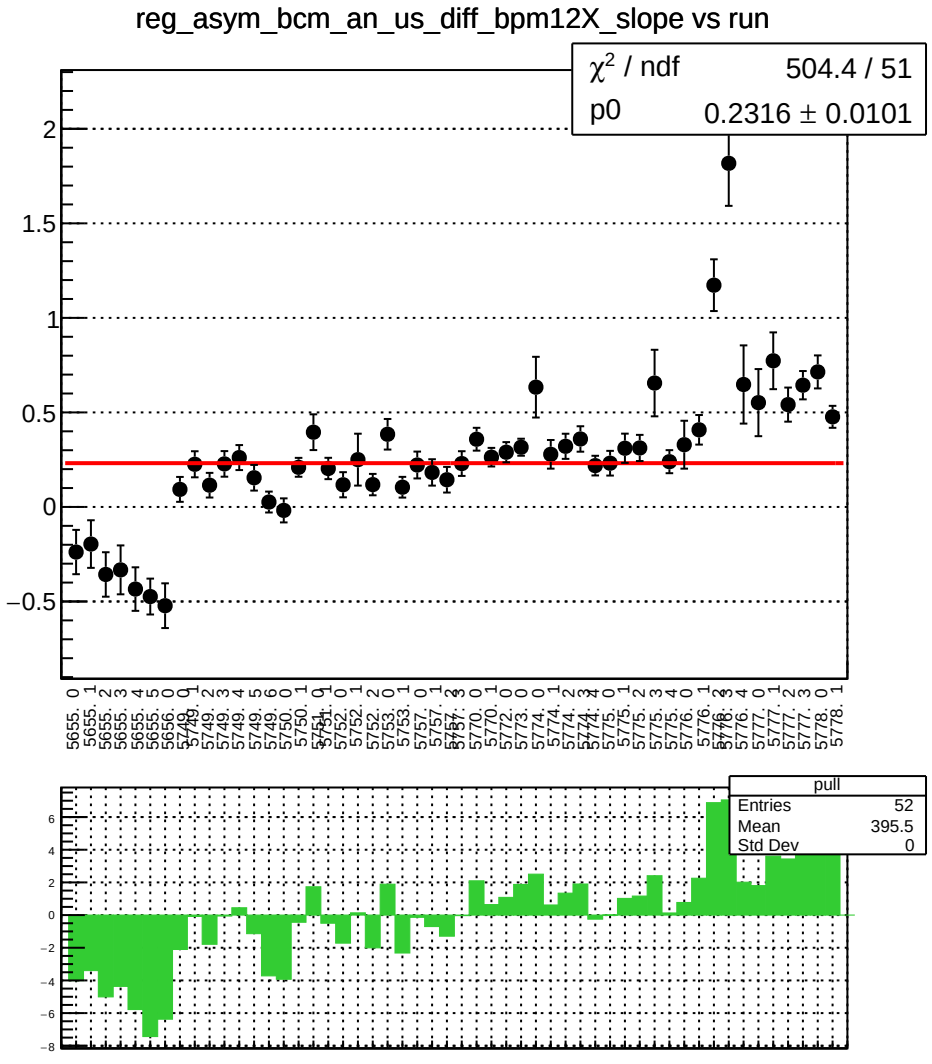

pull1D
Entries 52
Mean 0.004499
Std Dev 1.496

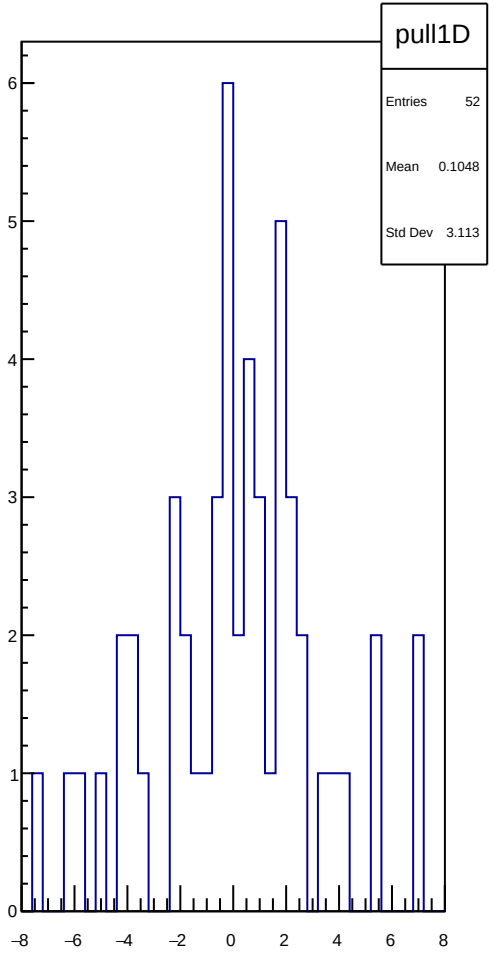

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 320.4 / 51
p0 −1.759 ± 0.1289
pull
Entries 52
Mean −45.25
Std Dev 0

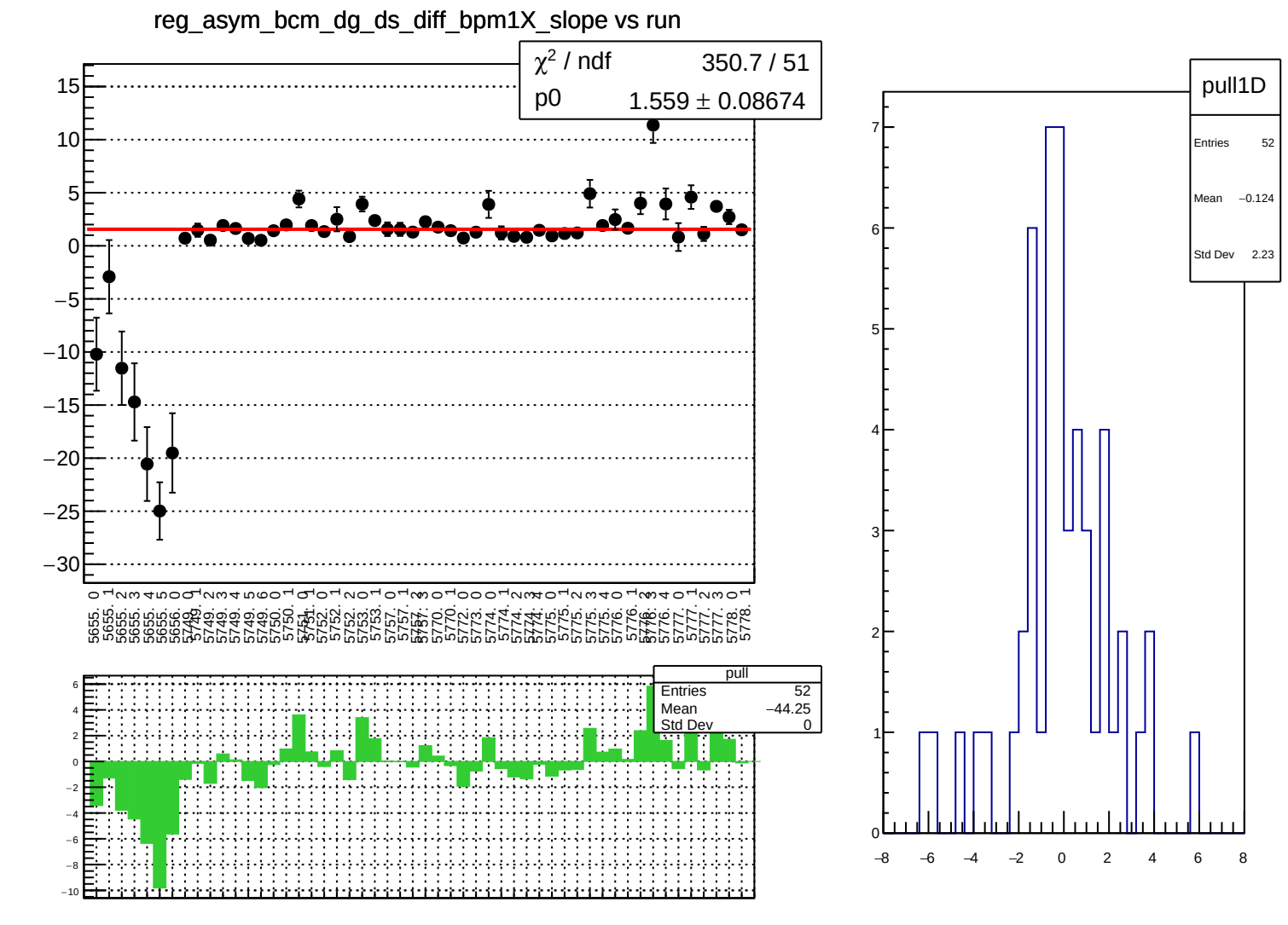

pull1D
Entries 52
Mean 0.06994
Std Dev 2.111

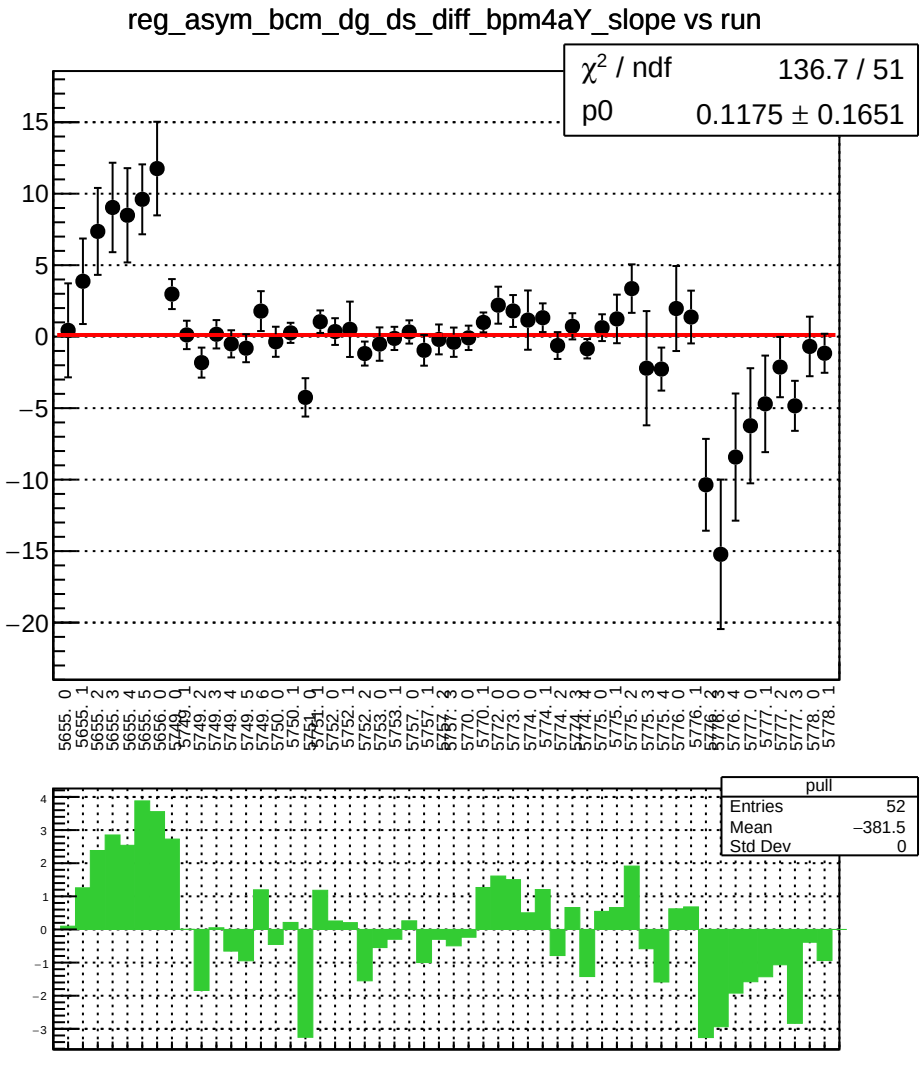

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 133.2 / 51
p0 −0.338 ± 0.1699
pull
Entries 52
Mean −83.96
Std Dev 0

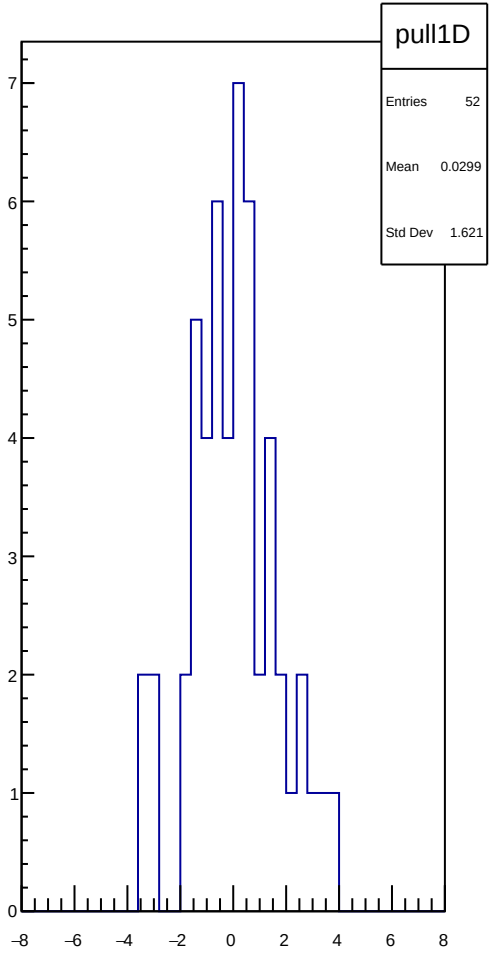

pull1D
Entries 52
Mean −0.1207
Std Dev 1.596

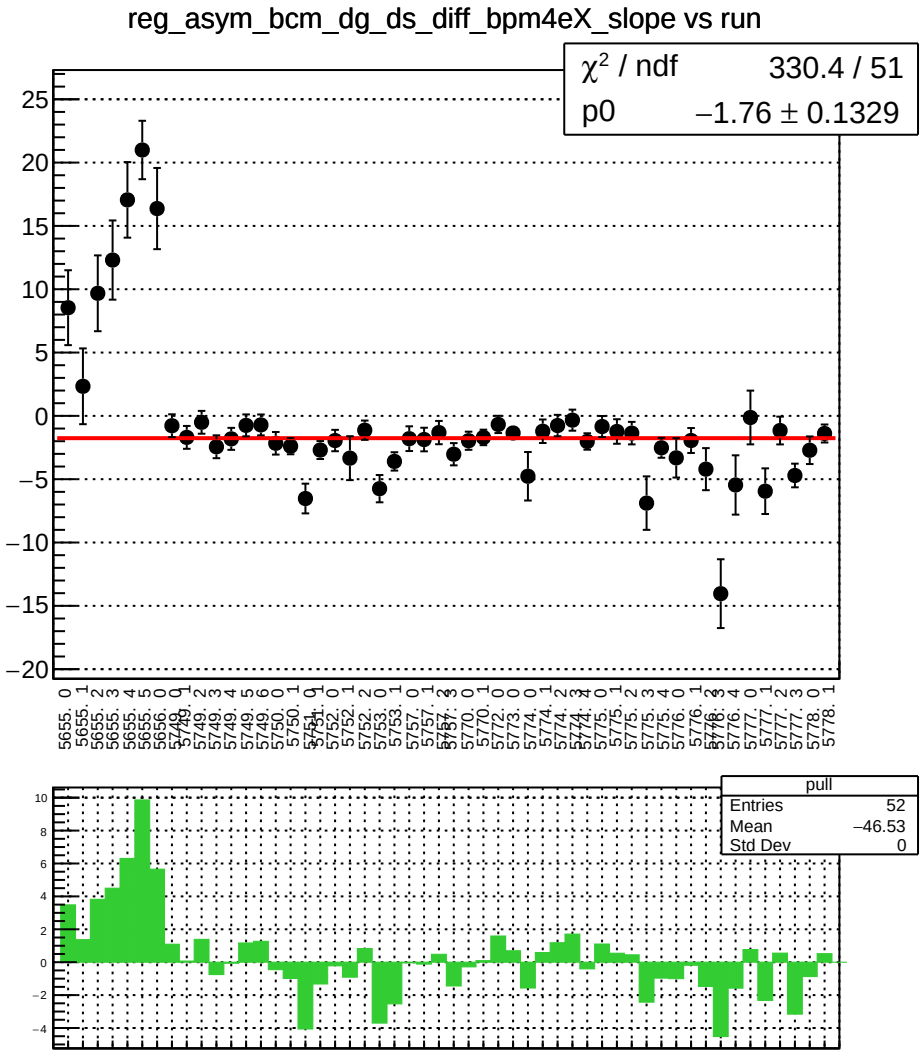

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 504.4 / 51
p0 0.2316 ± 0.0101
pull
Entries 52
Mean 395.5
Std Dev 0

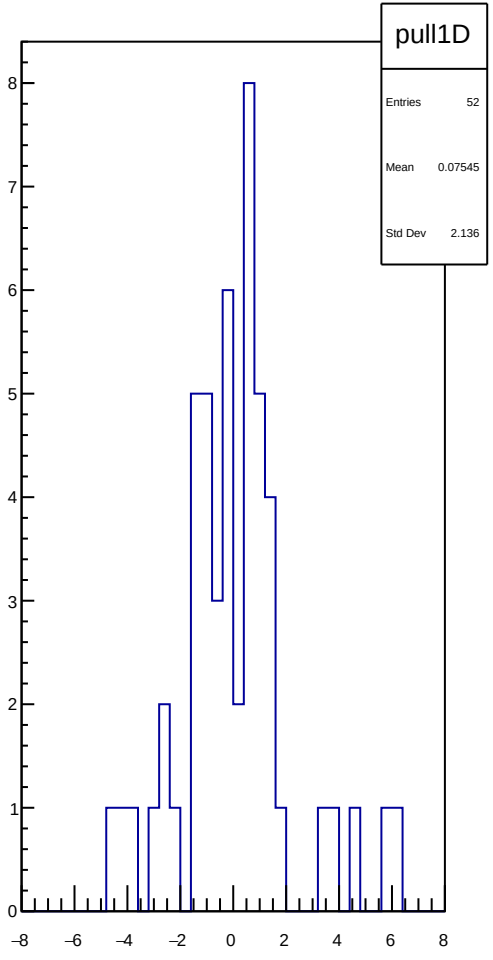

pull1D
Entries 52
Mean 0.1048
Std Dev 3.113

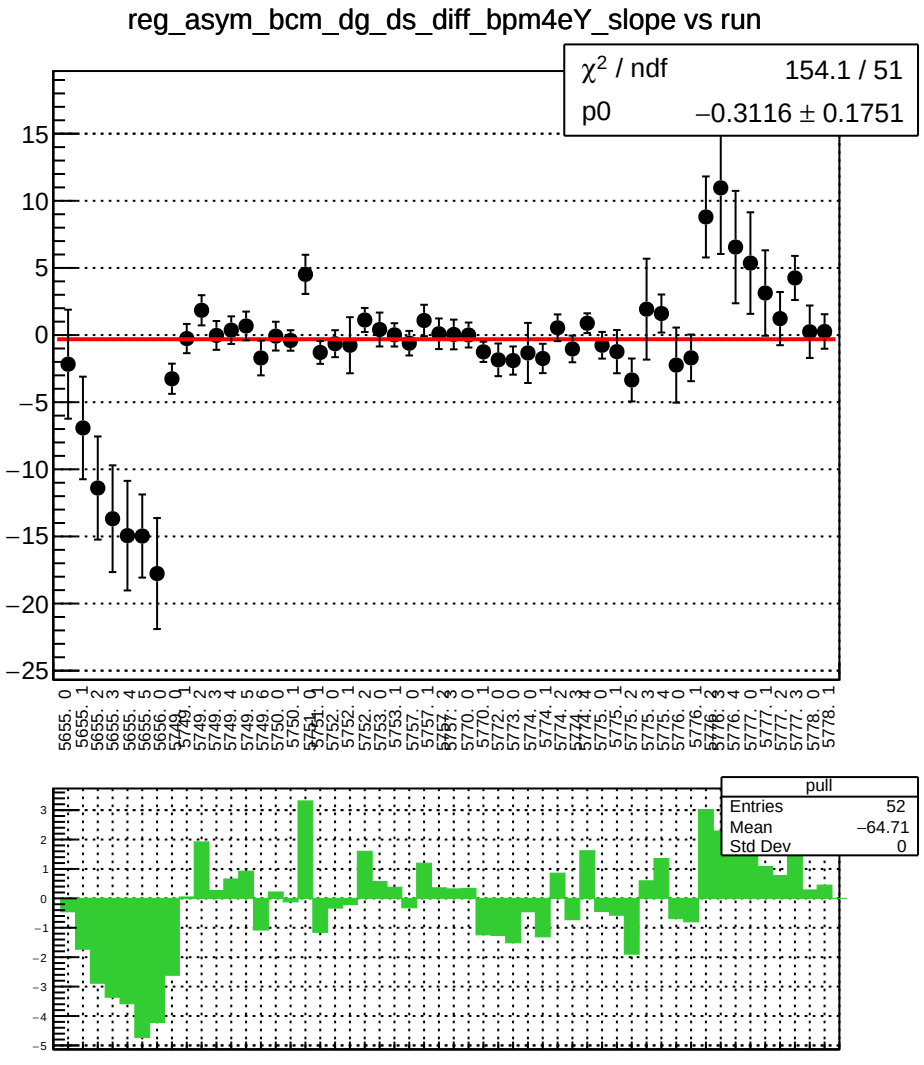

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 350.7 / 51
p0 1.559 ± 0.08674
pull
Entries 52
Mean −44.25
Std Dev 0
pull1D
Entries 52
Mean −0.124
Std Dev 2.23

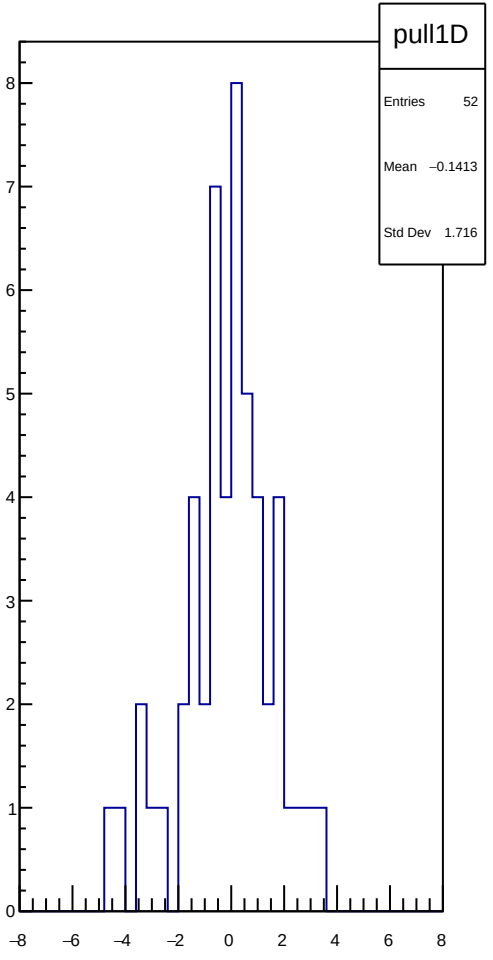

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 136.7 / 51
p0 0.1175 ± 0.1651
pull
Entries 52
Mean −381.5
Std Dev 0

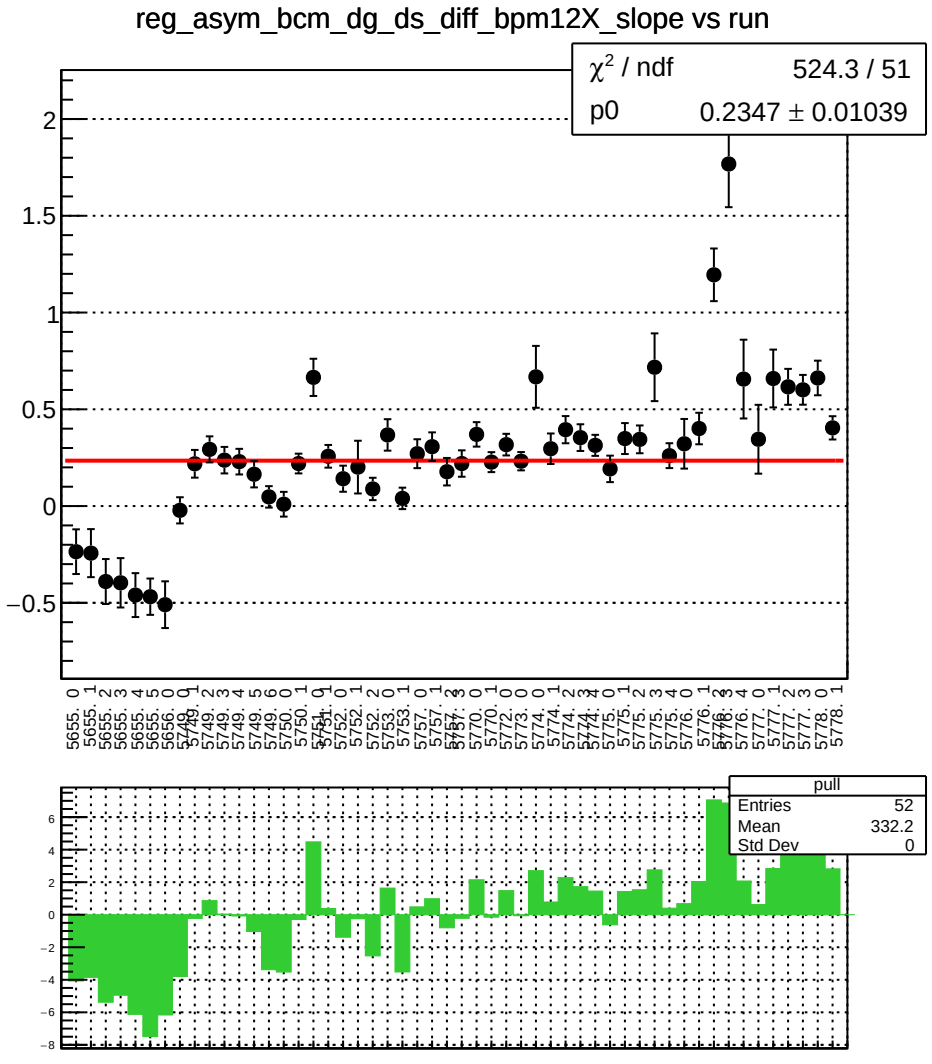

pull1D
Entries 52
Mean 0.0299
Std Dev 1.621

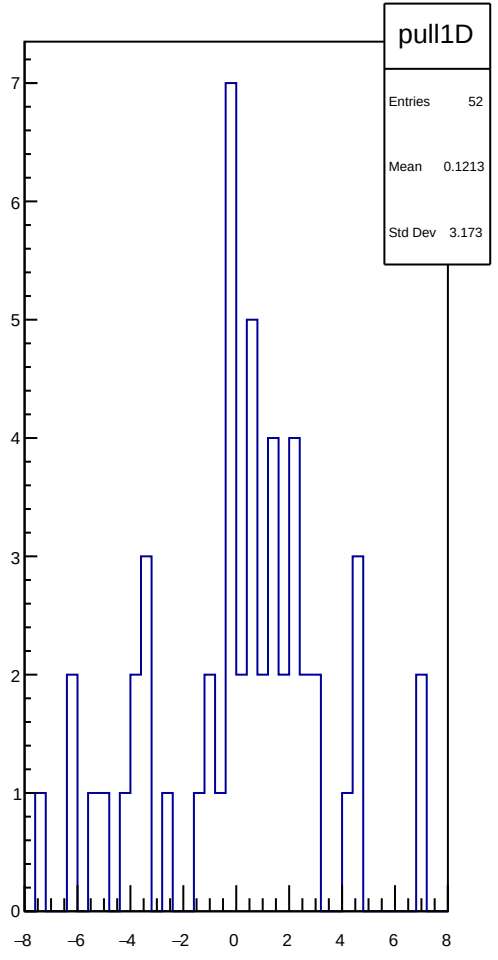

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 330.4 / 51
p0 −1.76 ± 0.1329
pull
Entries 52
Mean −46.53
Std Dev 0

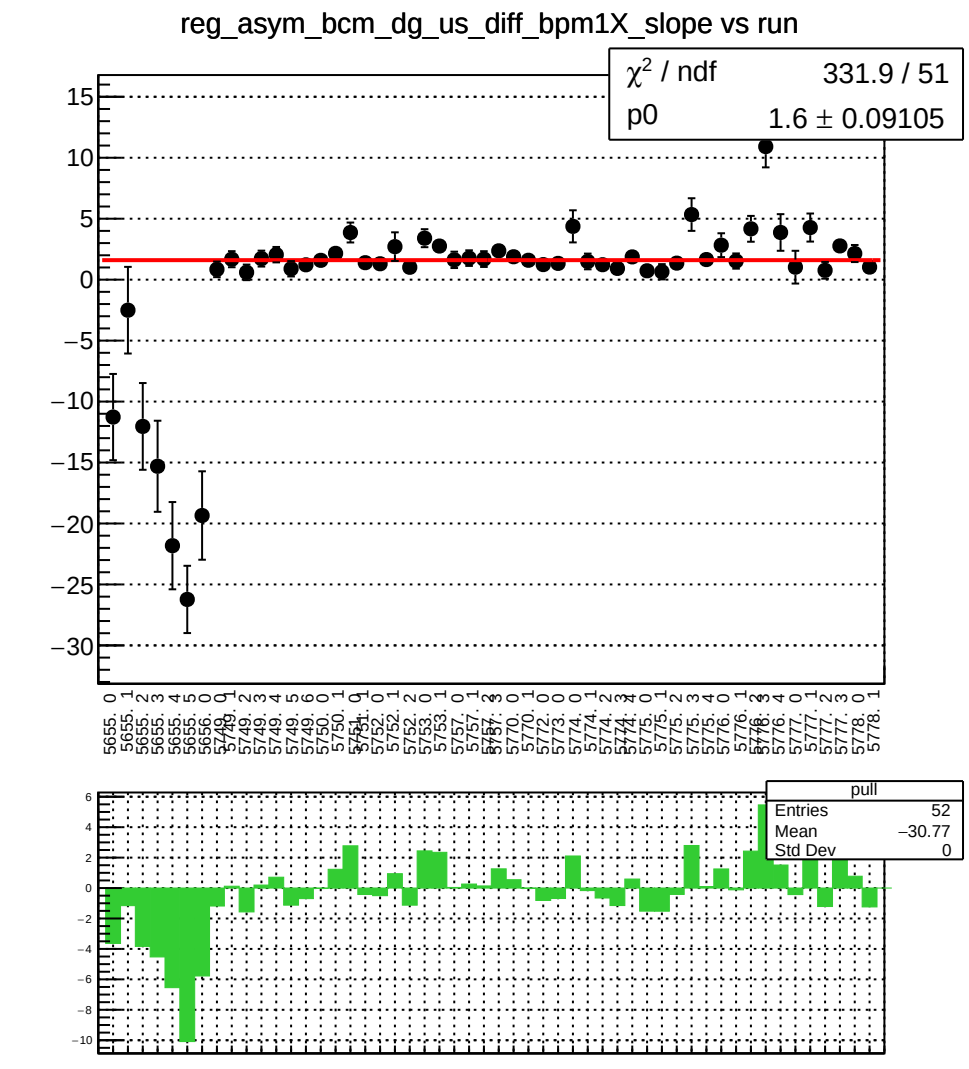

pull1D
Entries 52
Mean 0.07545
Std Dev 2.136

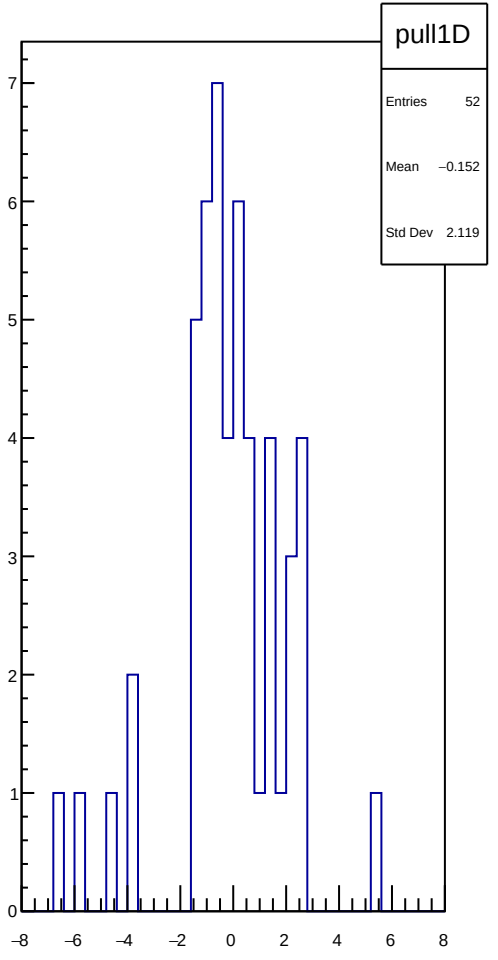

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 154.1 / 51
p0 −0.3116 ± 0.1751
pull
Entries 52
Mean −64.71
Std Dev 0

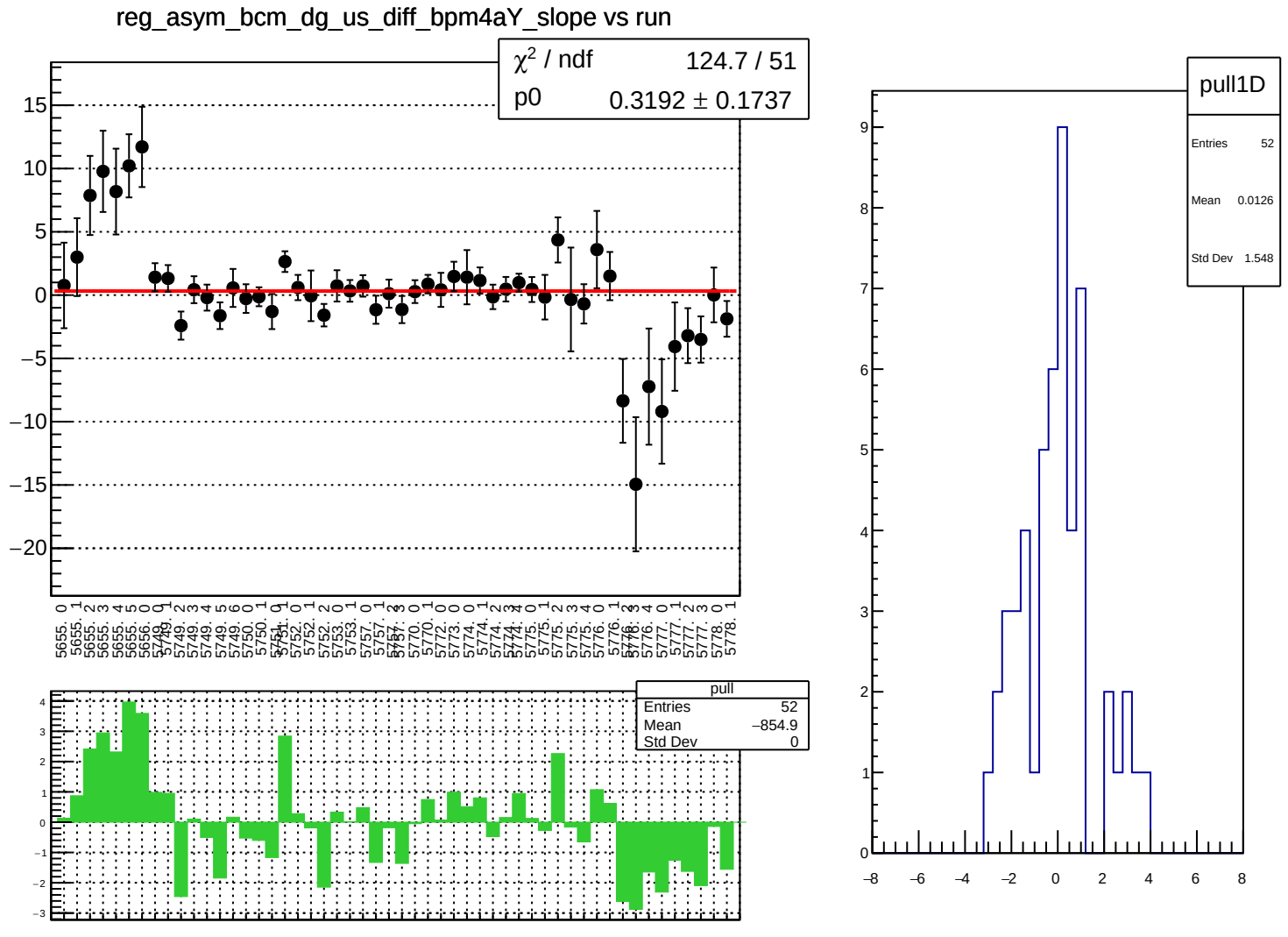

pull1D
Entries 52
Mean −0.1413
Std Dev 1.716

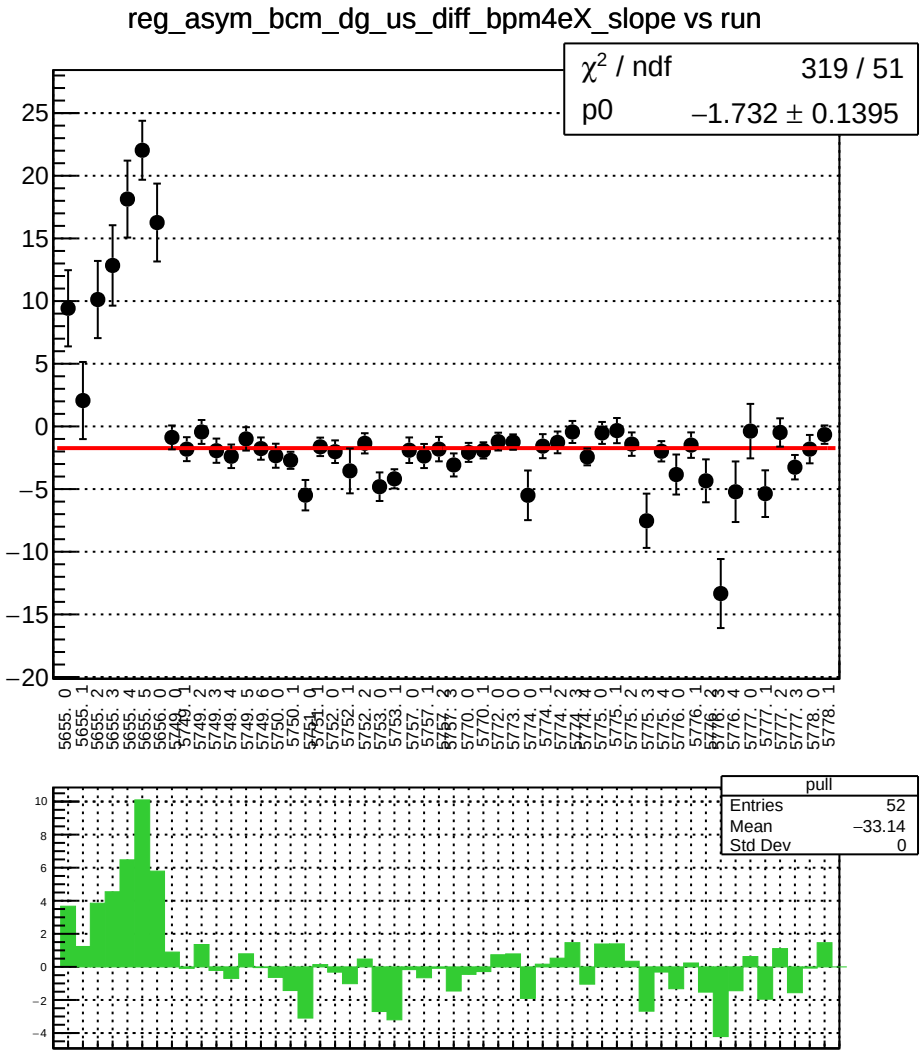

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 524.3 / 51
p0 0.2347 ± 0.01039
pull
Entries 52
Mean 332.2
Std Dev 0

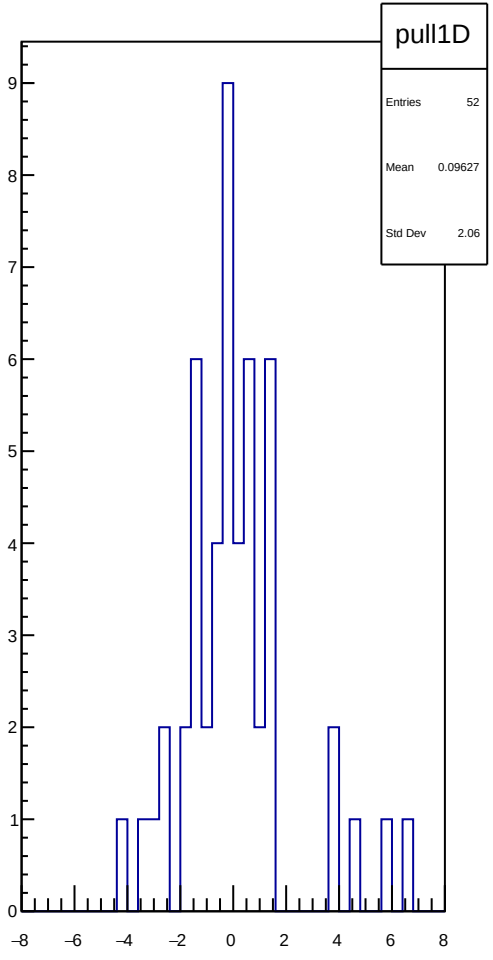

pull1D
Entries 52
Mean 0.1213
Std Dev 3.173

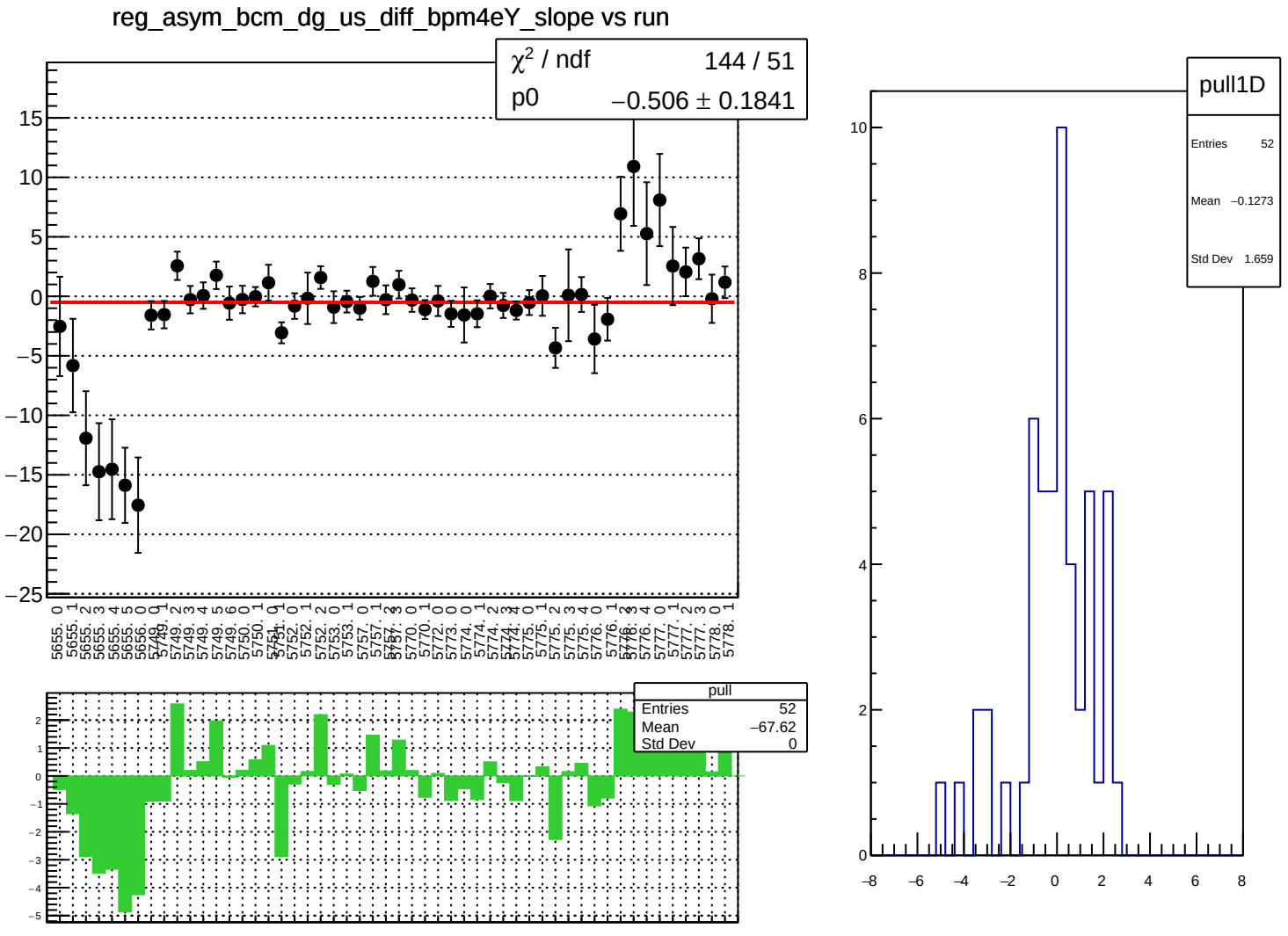

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 331.9 / 51
p0 1.6 ± 0.09105
pull
Entries 52
Mean −30.77
Std Dev 0

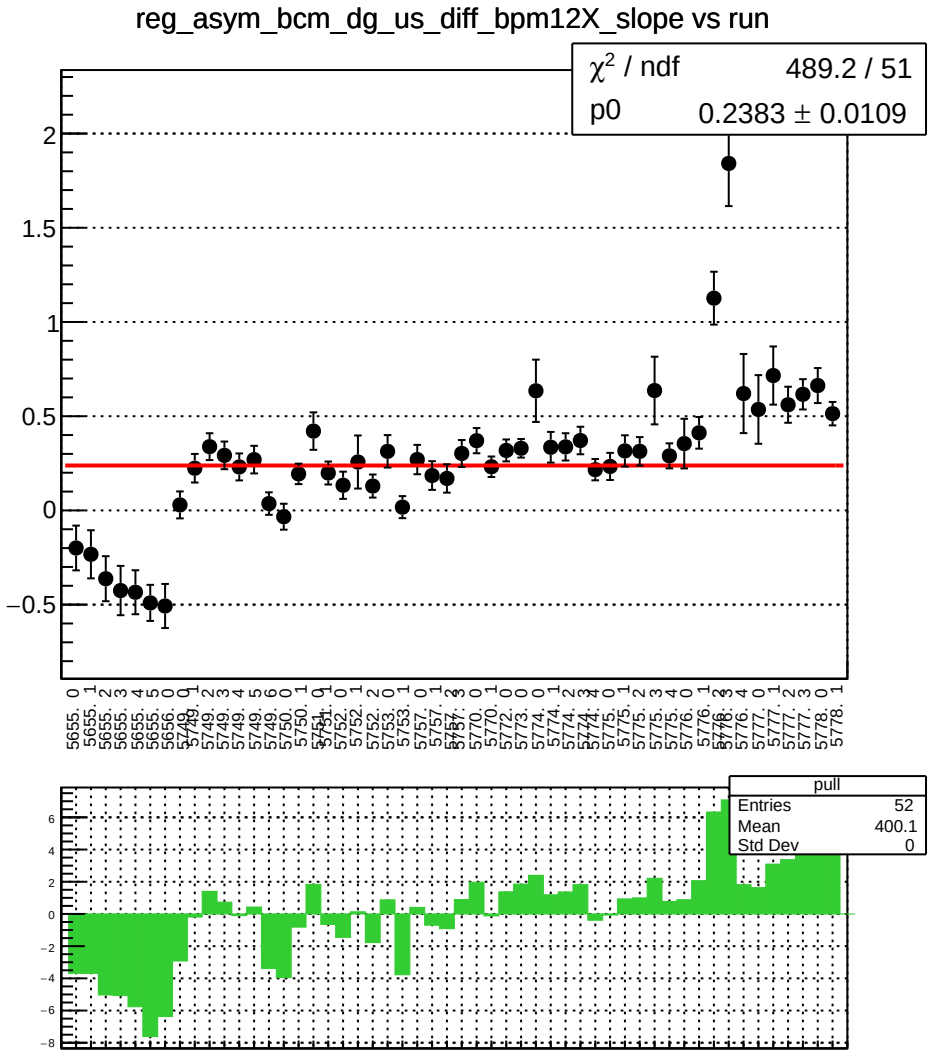

pull1D
Entries 52
Mean −0.152
Std Dev 2.119

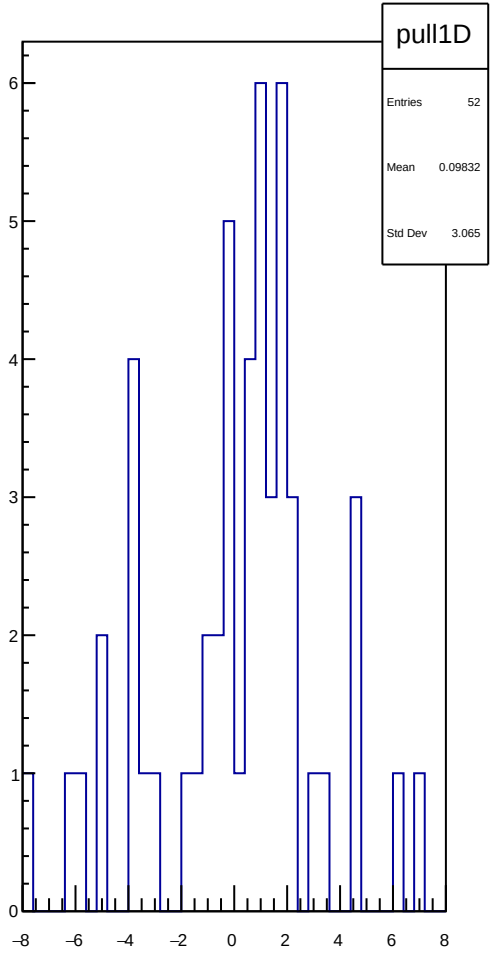

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 124.7 / 51
p0 0.3192 ± 0.1737
pull
Entries 52
Mean −854.9
Std Dev 0
pull1D
Entries 52
Mean 0.0126
Std Dev 1.548

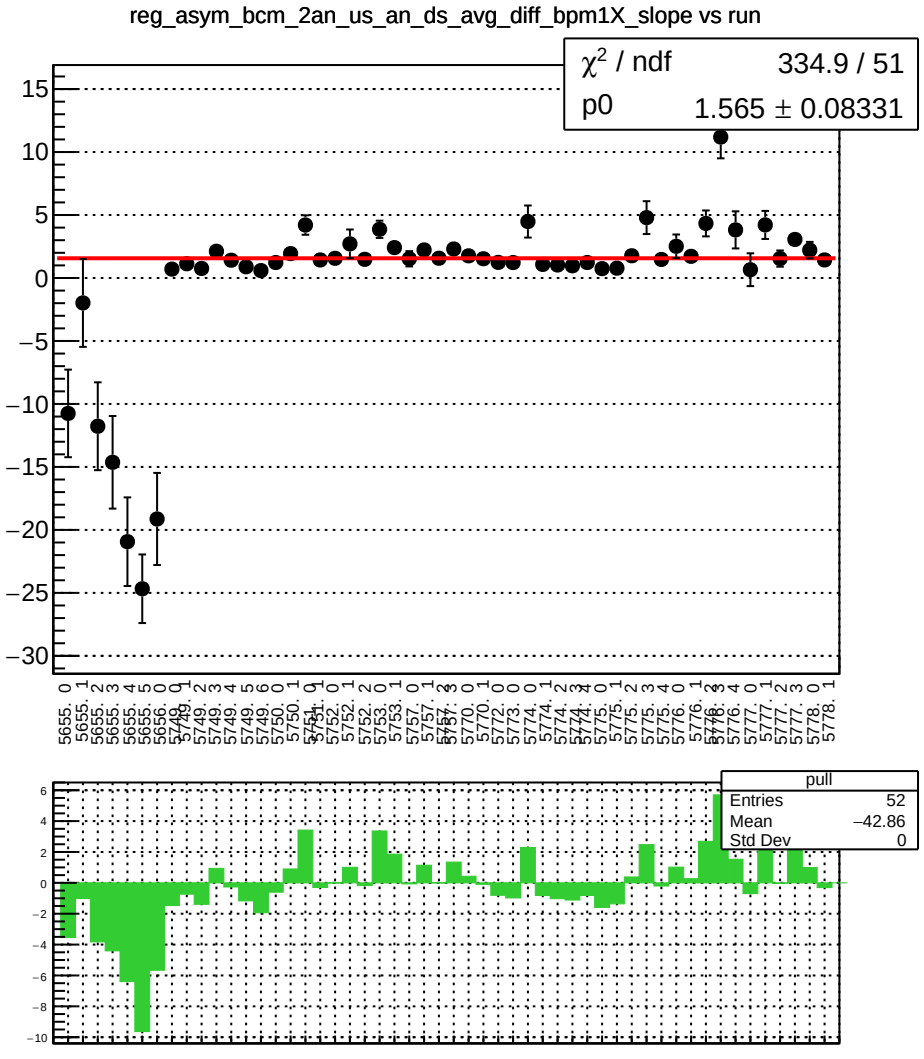

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 319 / 51
p0 −1.732 ± 0.1395
pull
Entries 52
Mean −33.14
Std Dev 0

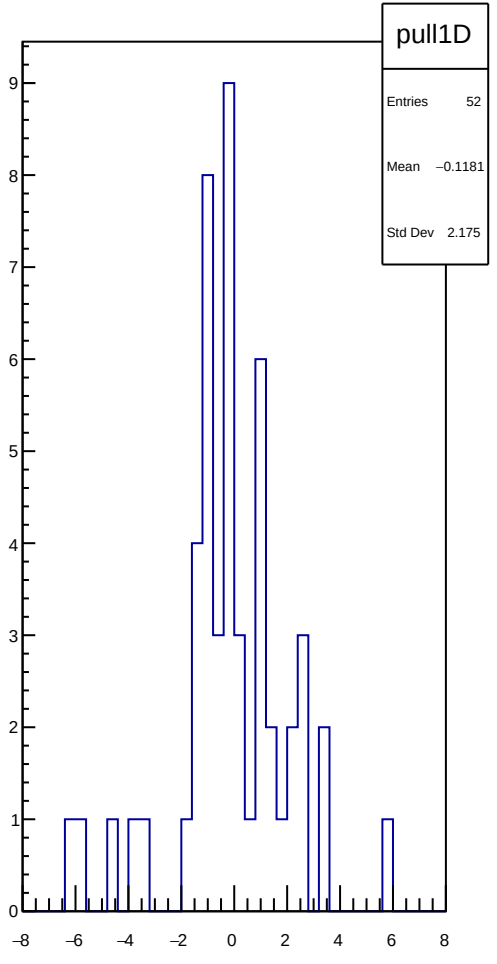

pull1D
Entries 52
Mean 0.09627
Std Dev 2.06

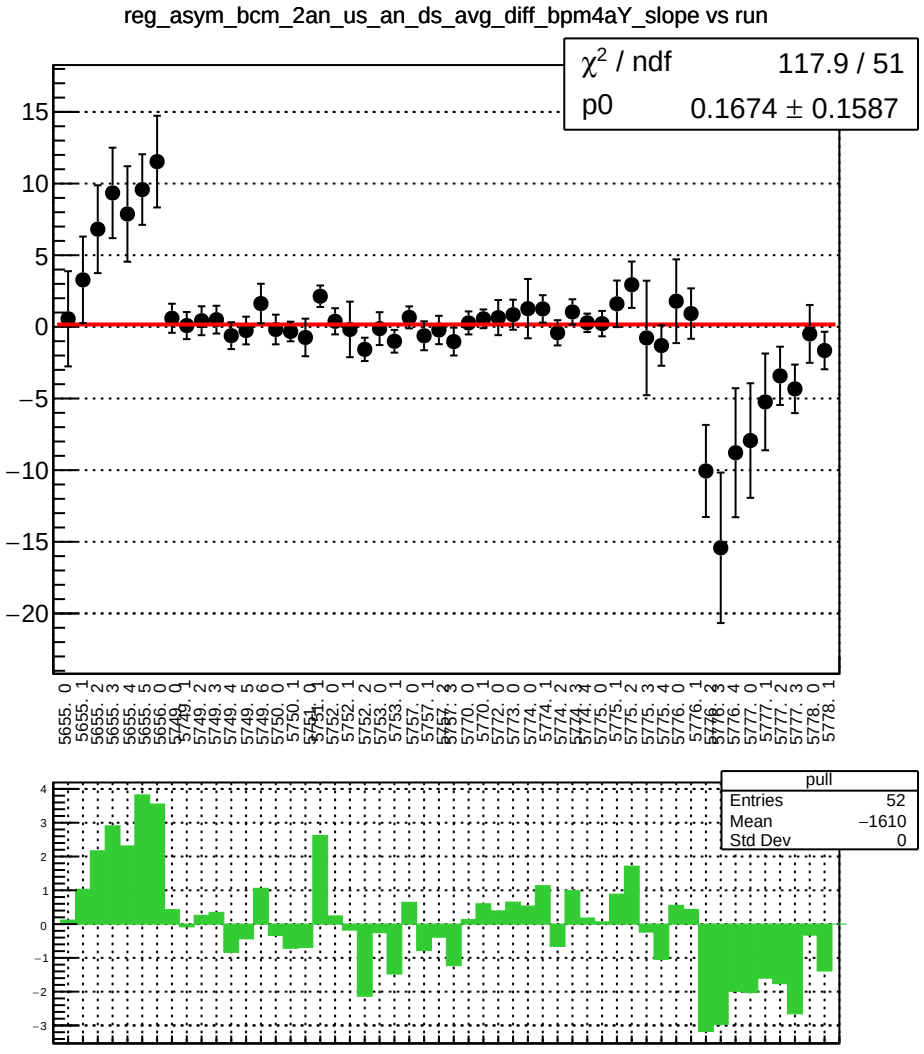

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 144 / 51
p0 −0.506 ± 0.1841
pull
Entries 52
Mean −67.62
Std Dev 0
pull1D
Entries 52
Mean −0.1273
Std Dev 1.659

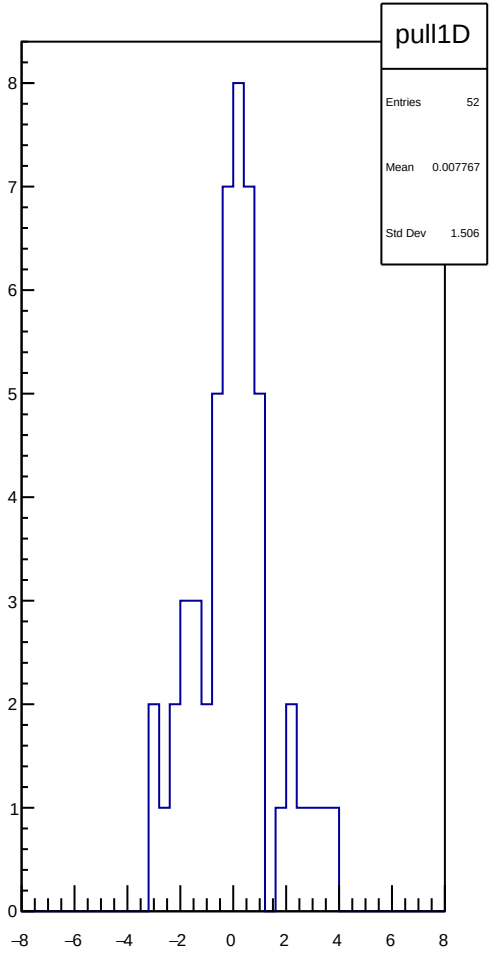

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 489.2 / 51
p0 0.2383 ± 0.0109
pull
Entries 52
Mean 400.1
Std Dev 0

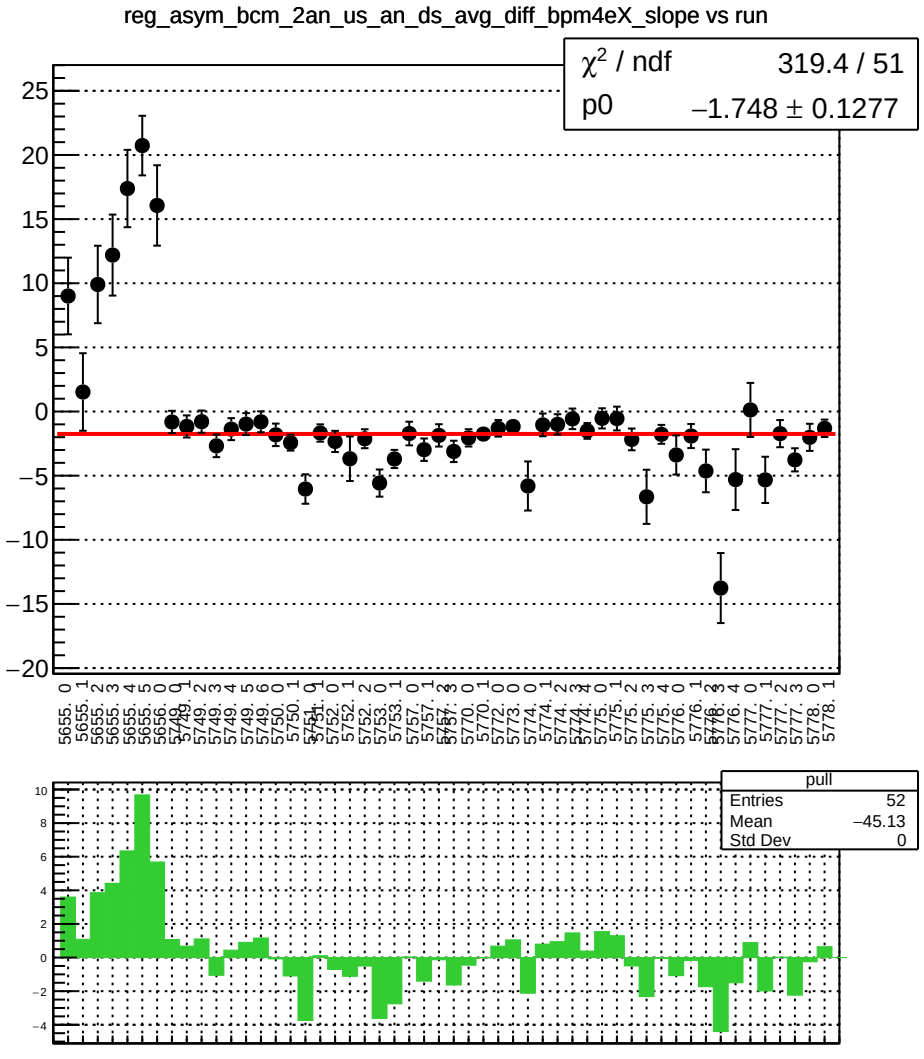

pull1D
Entries 52
Mean 0.09832
Std Dev 3.065

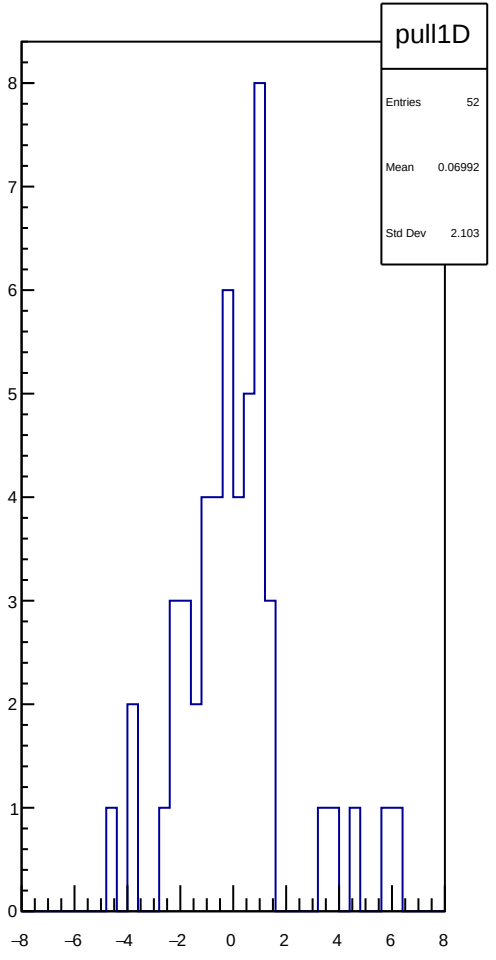

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 334.9 / 51
p0 1.565 ± 0.08331
pull
Entries 52
Mean −42.86
Std Dev 0

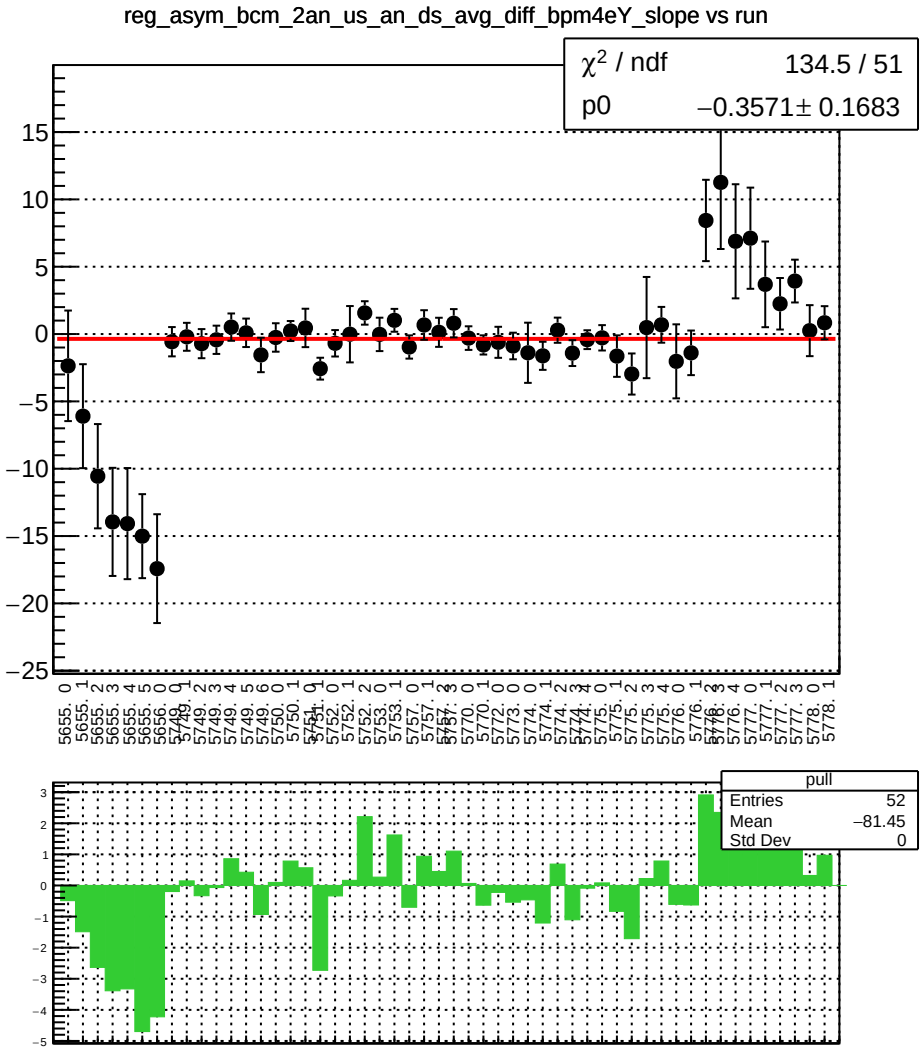

pull1D
Entries 52
Mean −0.1181
Std Dev 2.175

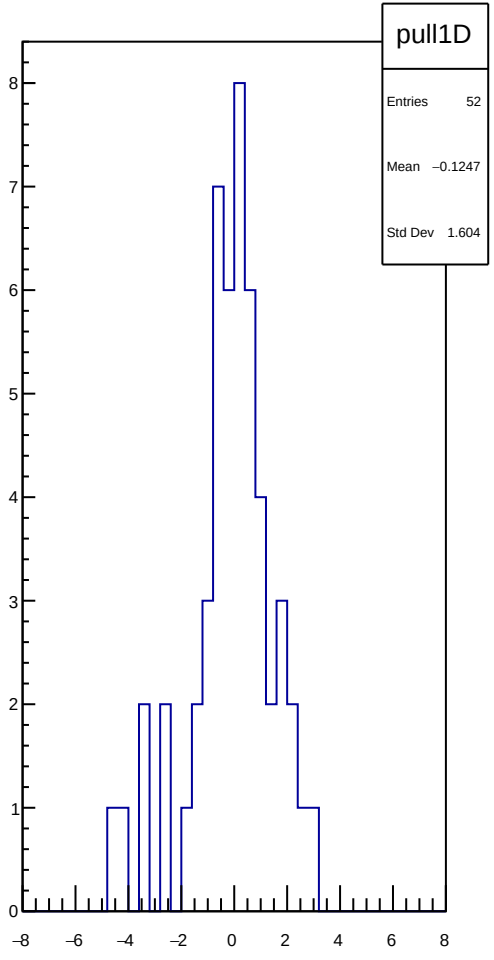

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 117.9 / 51
p0 0.1674 ± 0.1587
pull
Entries 52
Mean −1610
Std Dev 0

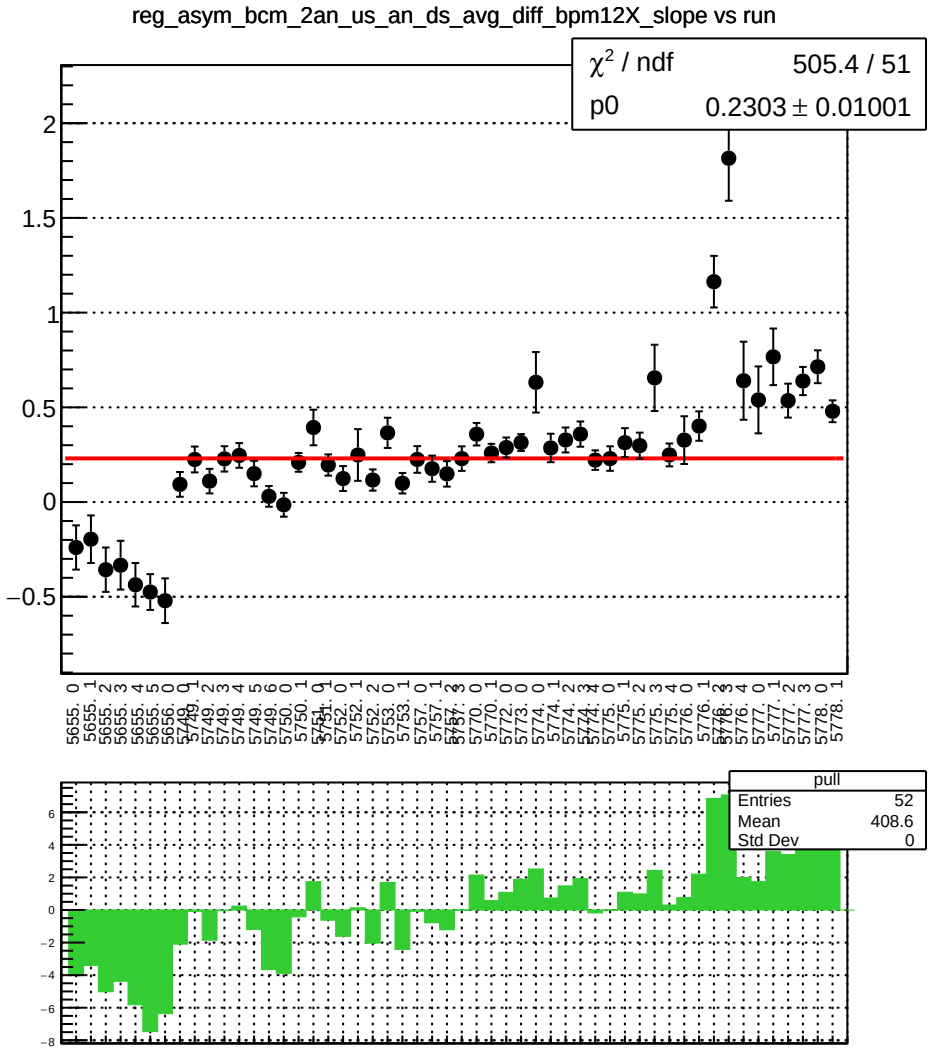

pull1D
Entries 52
Mean 0.007767
Std Dev 1.506

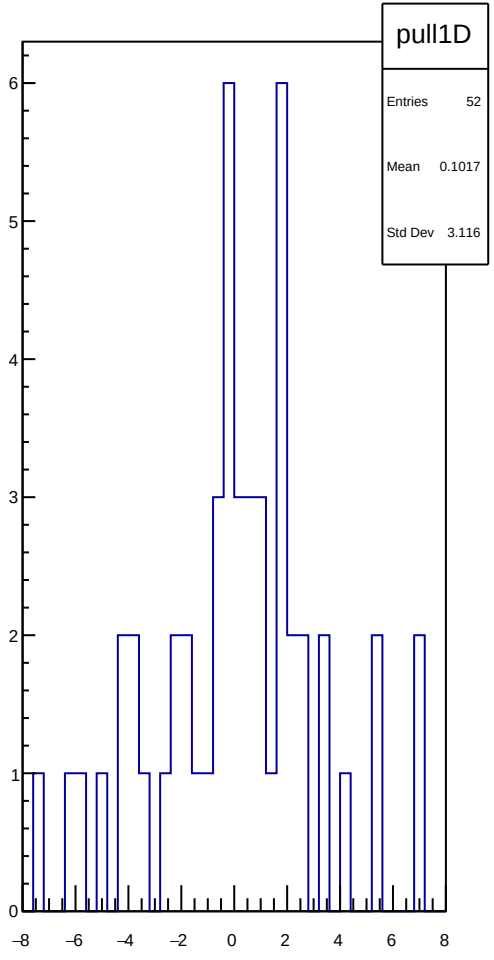

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 319.4 / 51
p0 −1.748 ± 0.1277
pull
Entries 52
Mean −45.13
Std Dev 0

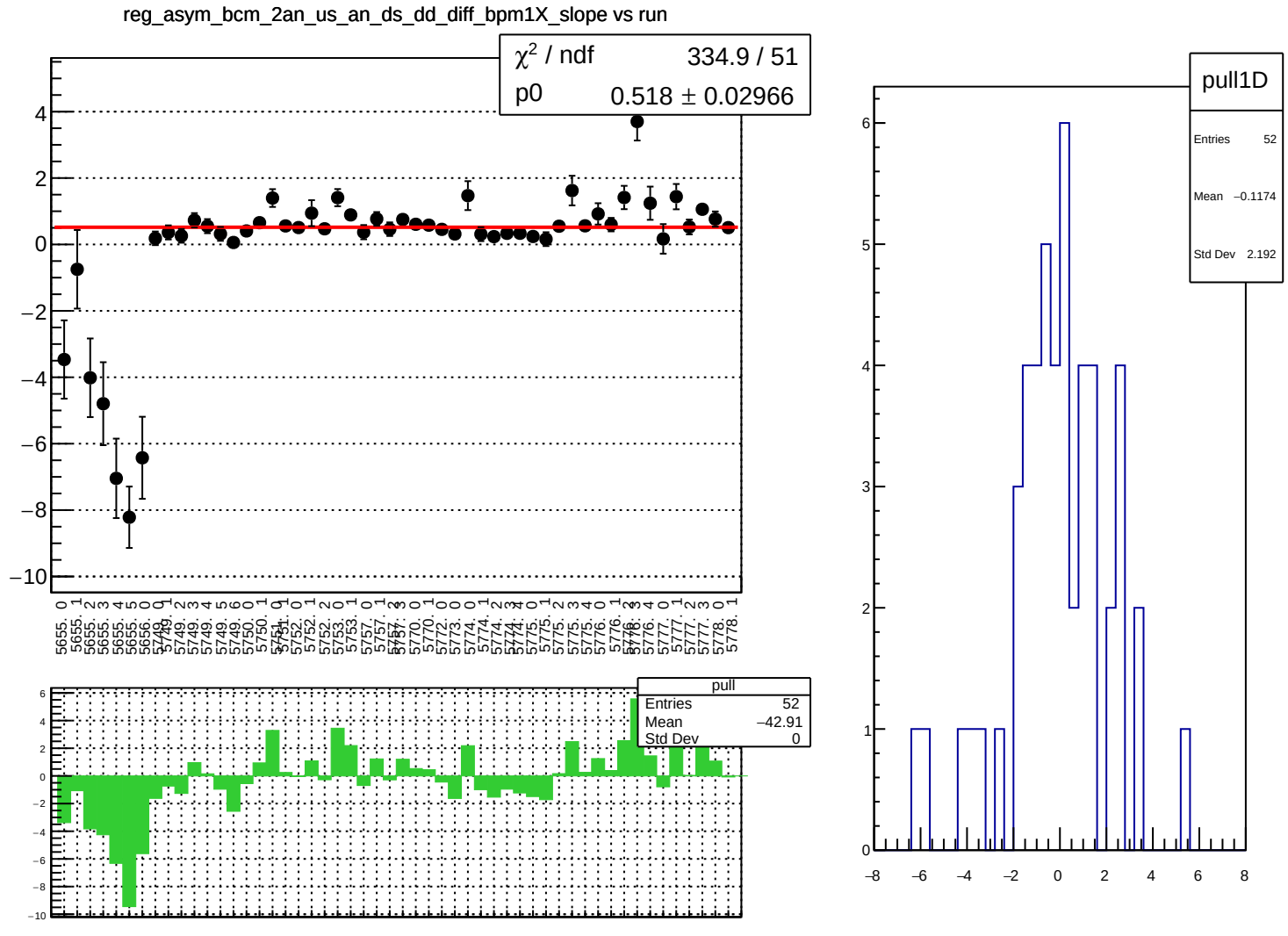

pull1D
Entries 52
Mean 0.06992
Std Dev 2.103

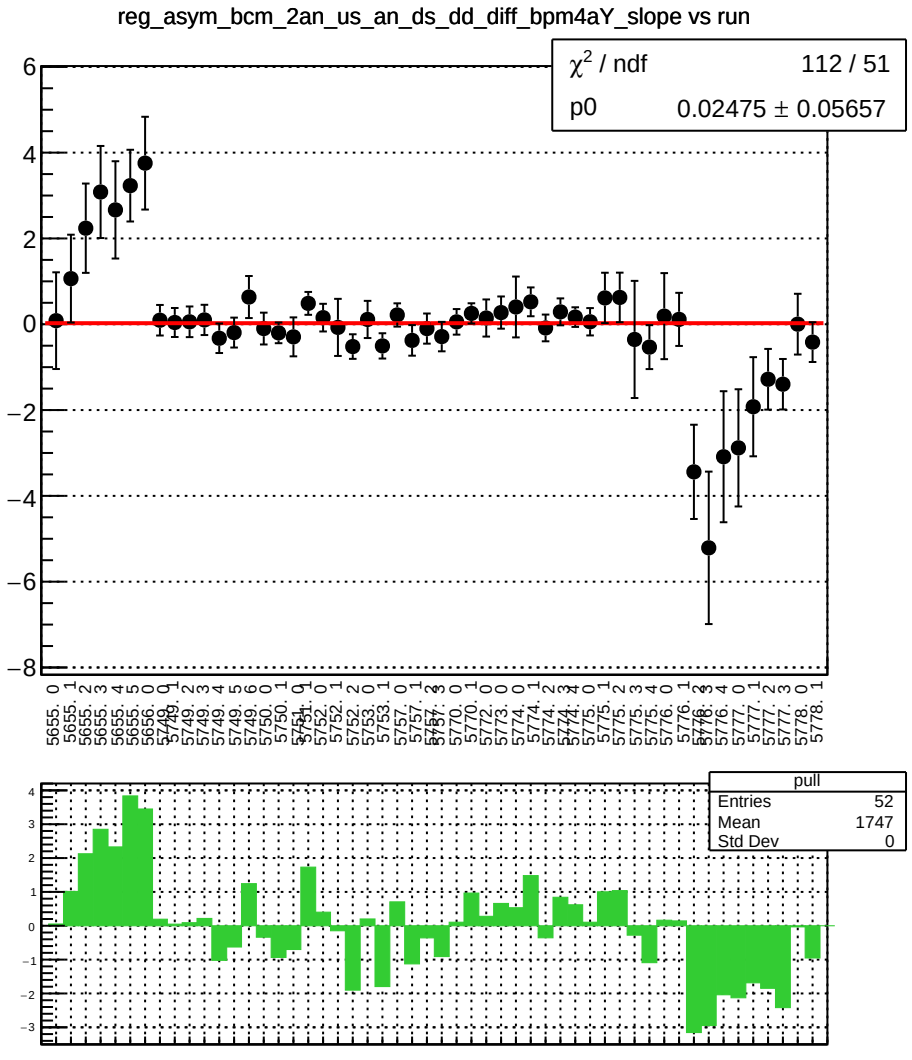

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 134.5 / 51
p0 −0.3571± 0.1683
pull
Entries 52
Mean −81.45
Std Dev 0

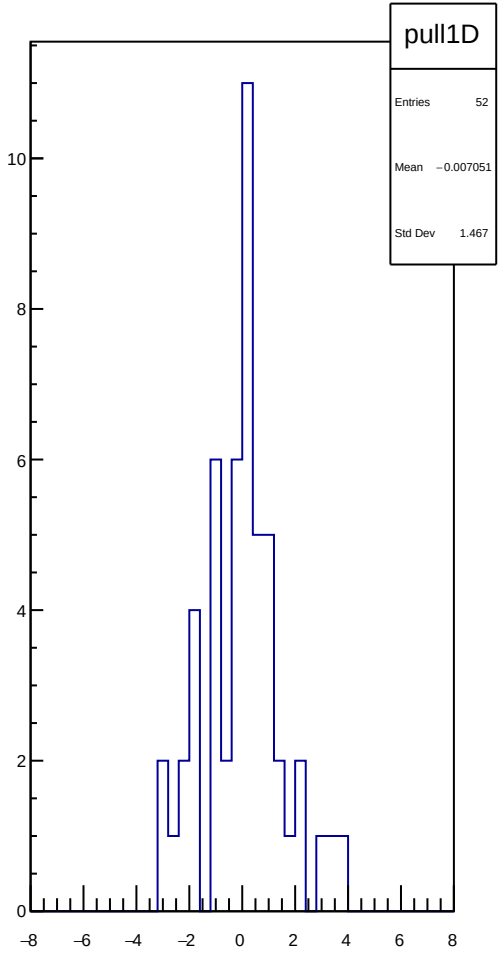

pull1D
Entries 52
Mean −0.1247
Std Dev 1.604

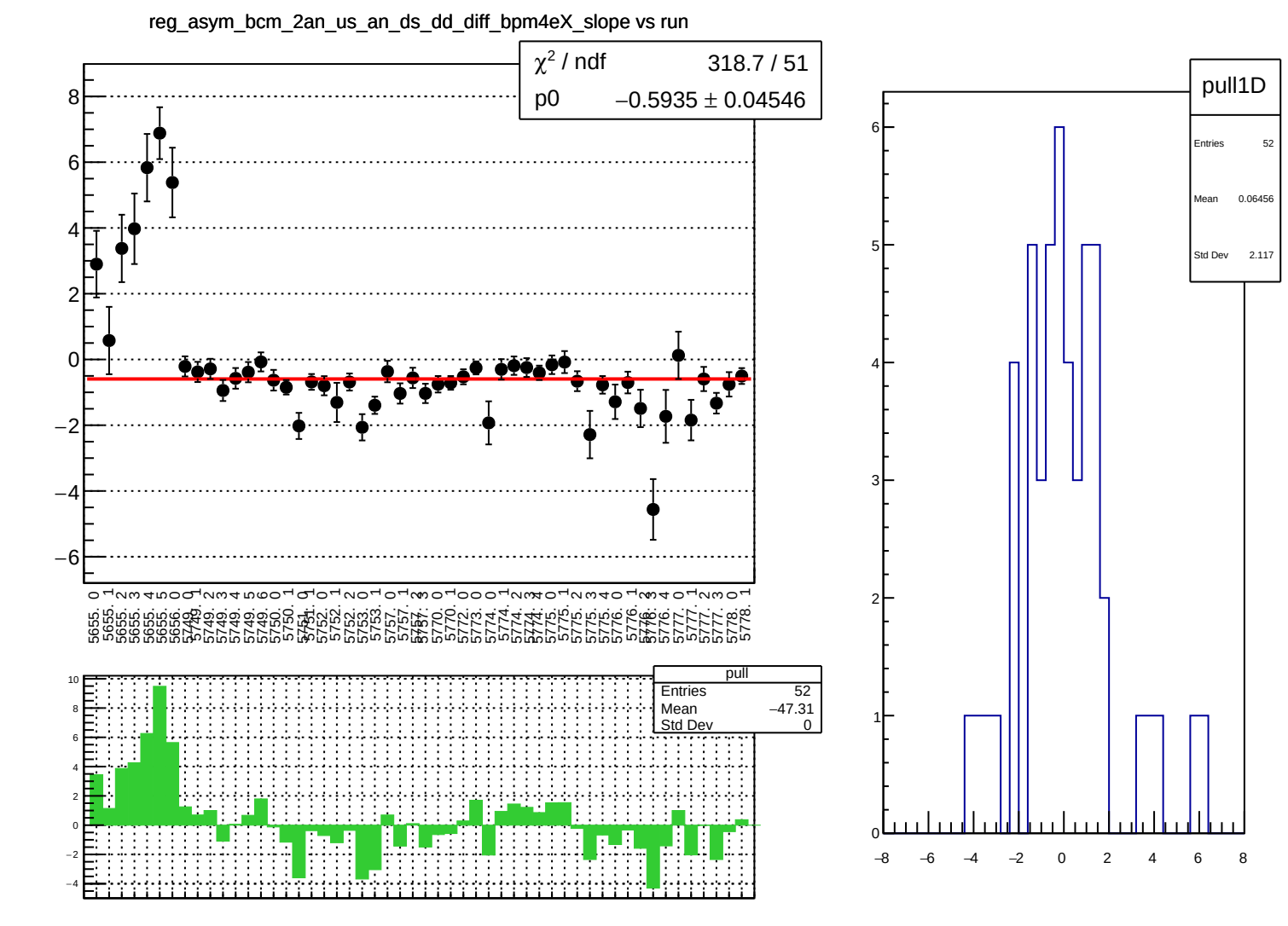

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 505.4 / 51
p0 0.2303 ± 0.01001
pull
Entries 52
Mean 408.6
Std Dev 0

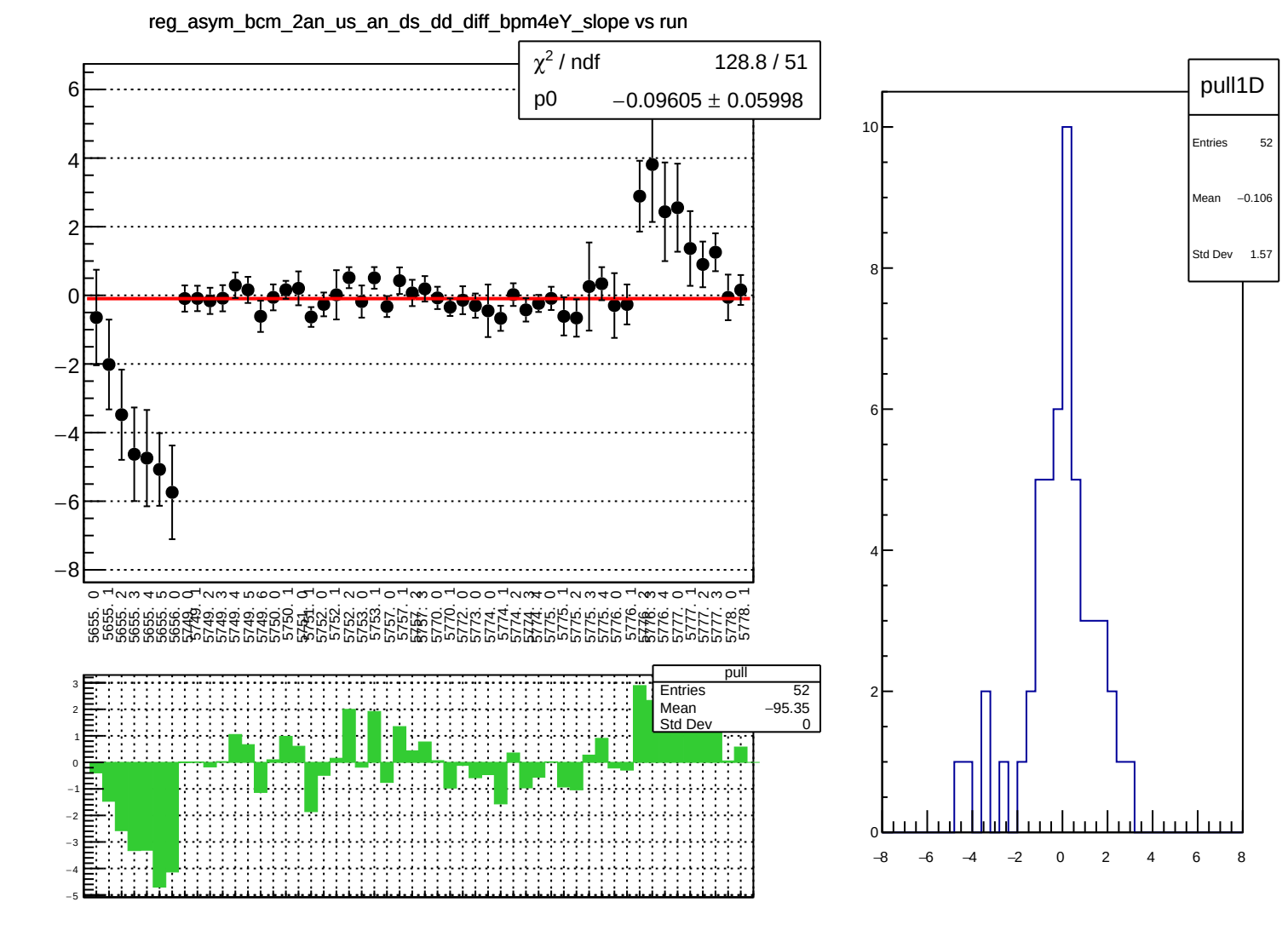

pull1D
Entries 52
Mean 0.1017
Std Dev 3.116

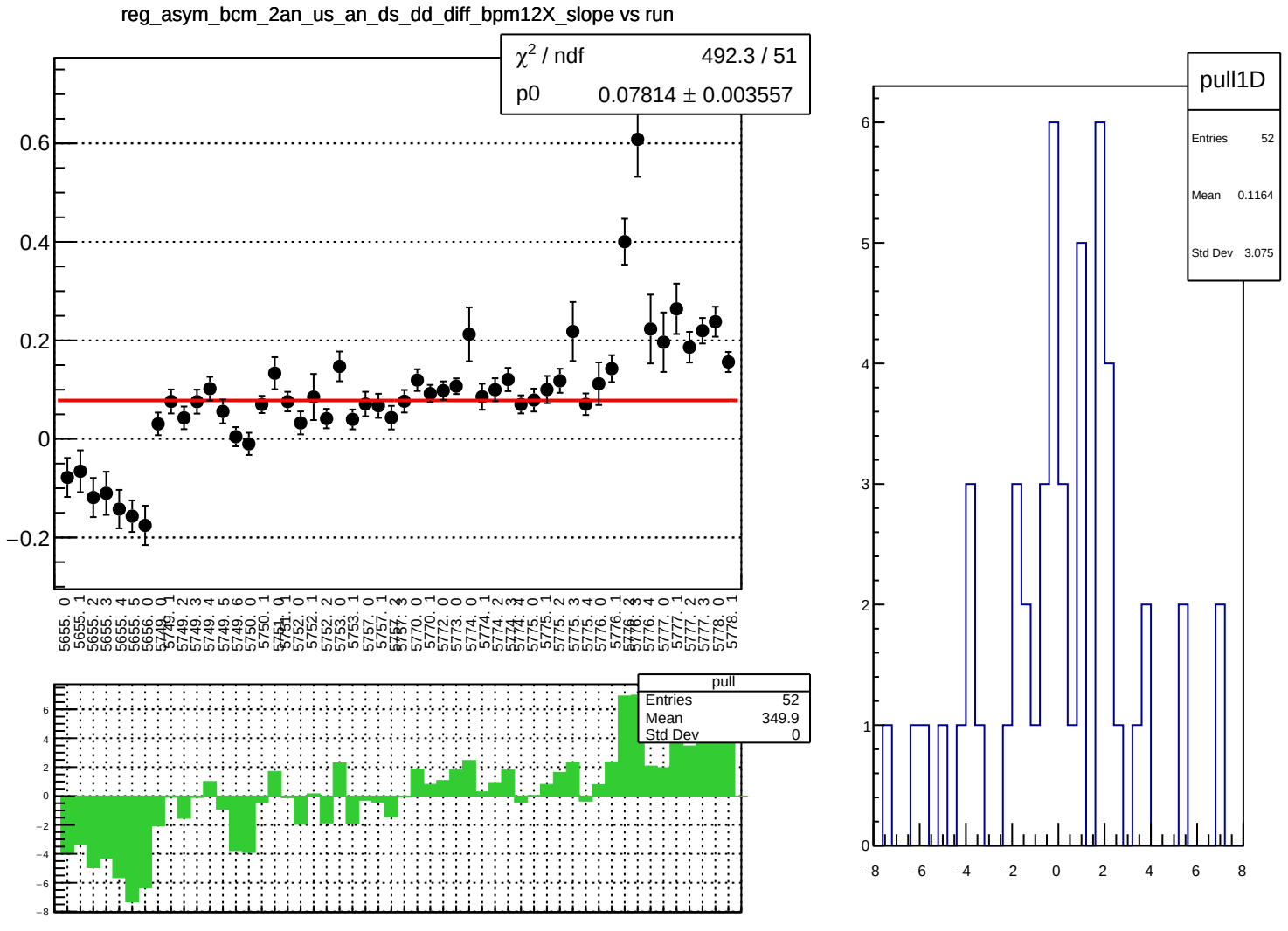

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 334.9 / 51
p0 0.518 ± 0.02966
pull
Entries 52
Mean −42.91
Std Dev 0
pull1D
Entries 52
Mean −0.1174
Std Dev 2.192

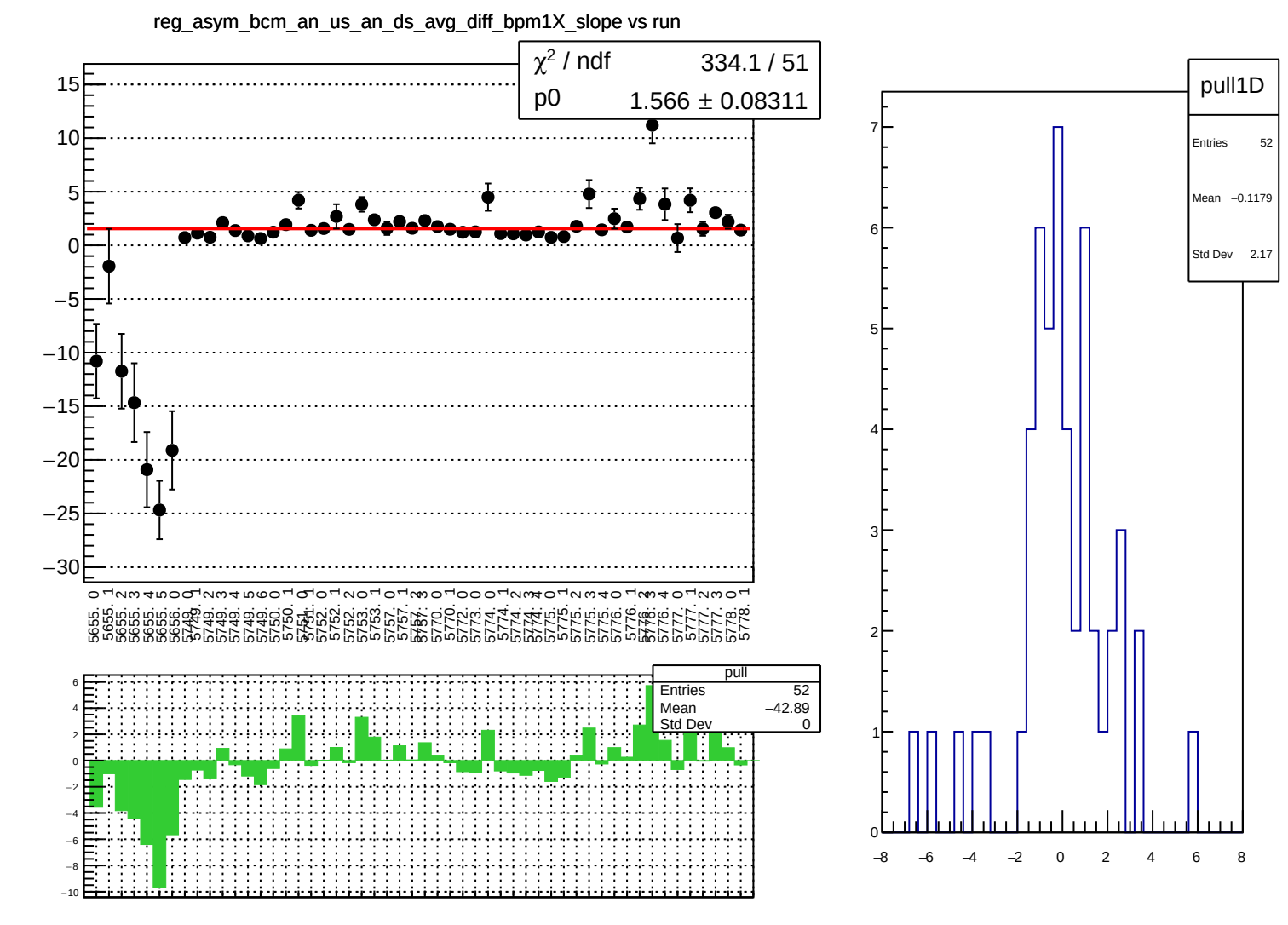

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 112 / 51
p0 0.02475 ± 0.05657
pull
Entries 52
Mean 1747
Std Dev 0

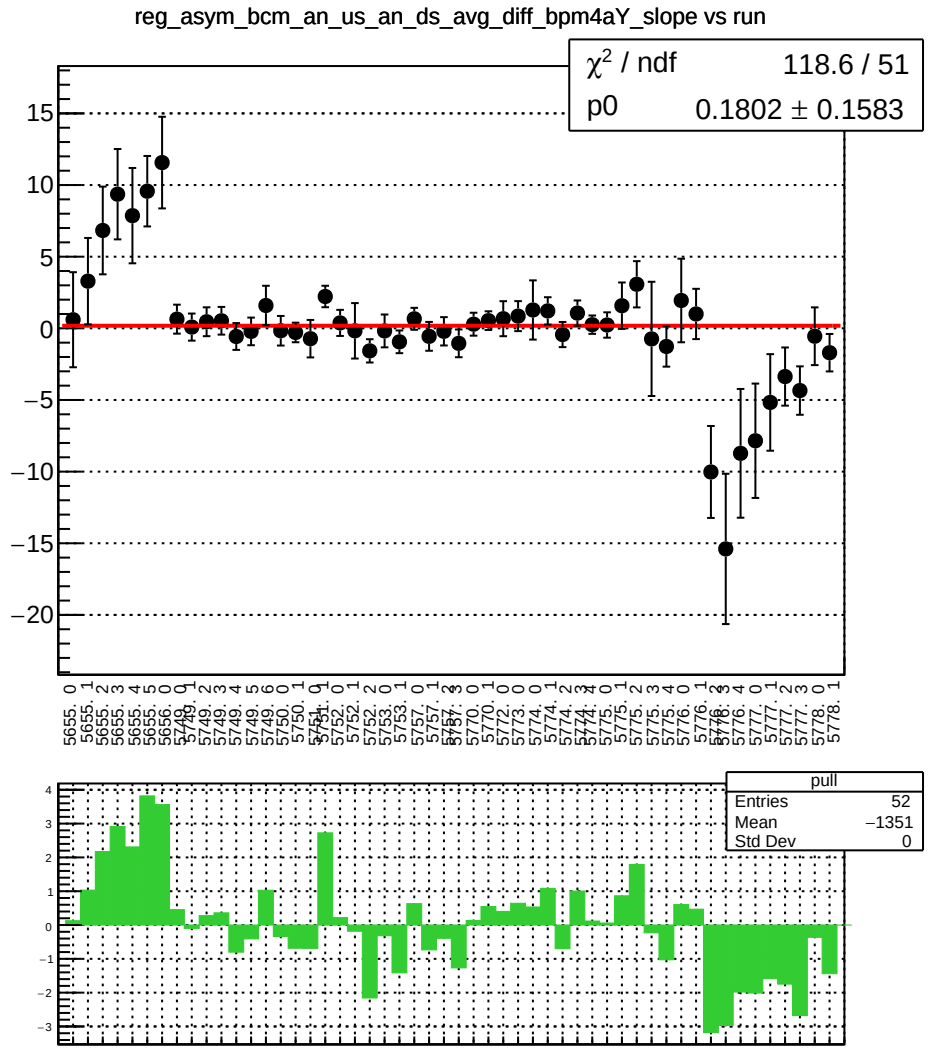

pull1D
Entries 52
Mean −0.007051
Std Dev 1.467

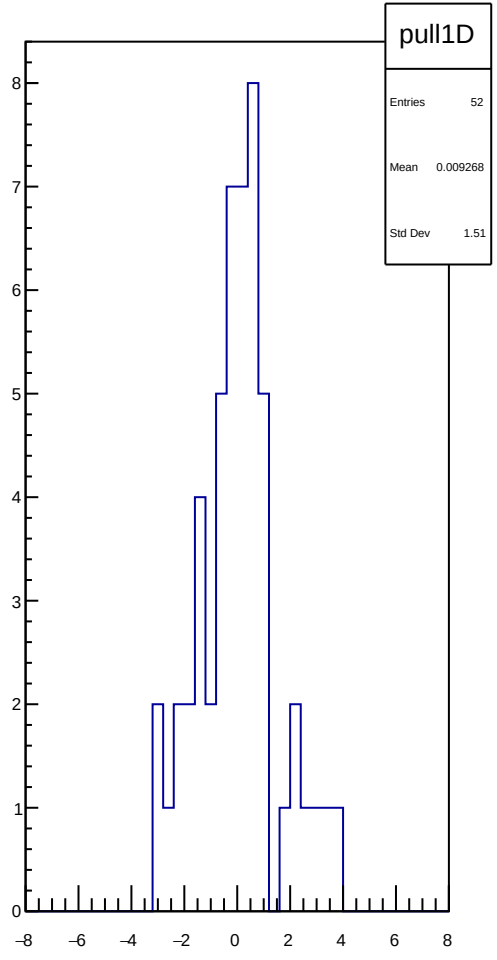

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 318.7 / 51
p0 −0.5935 ± 0.04546
pull
Entries 52
Mean −47.31
Std Dev 0
pull1D
Entries 52
Mean 0.06456
Std Dev 2.117

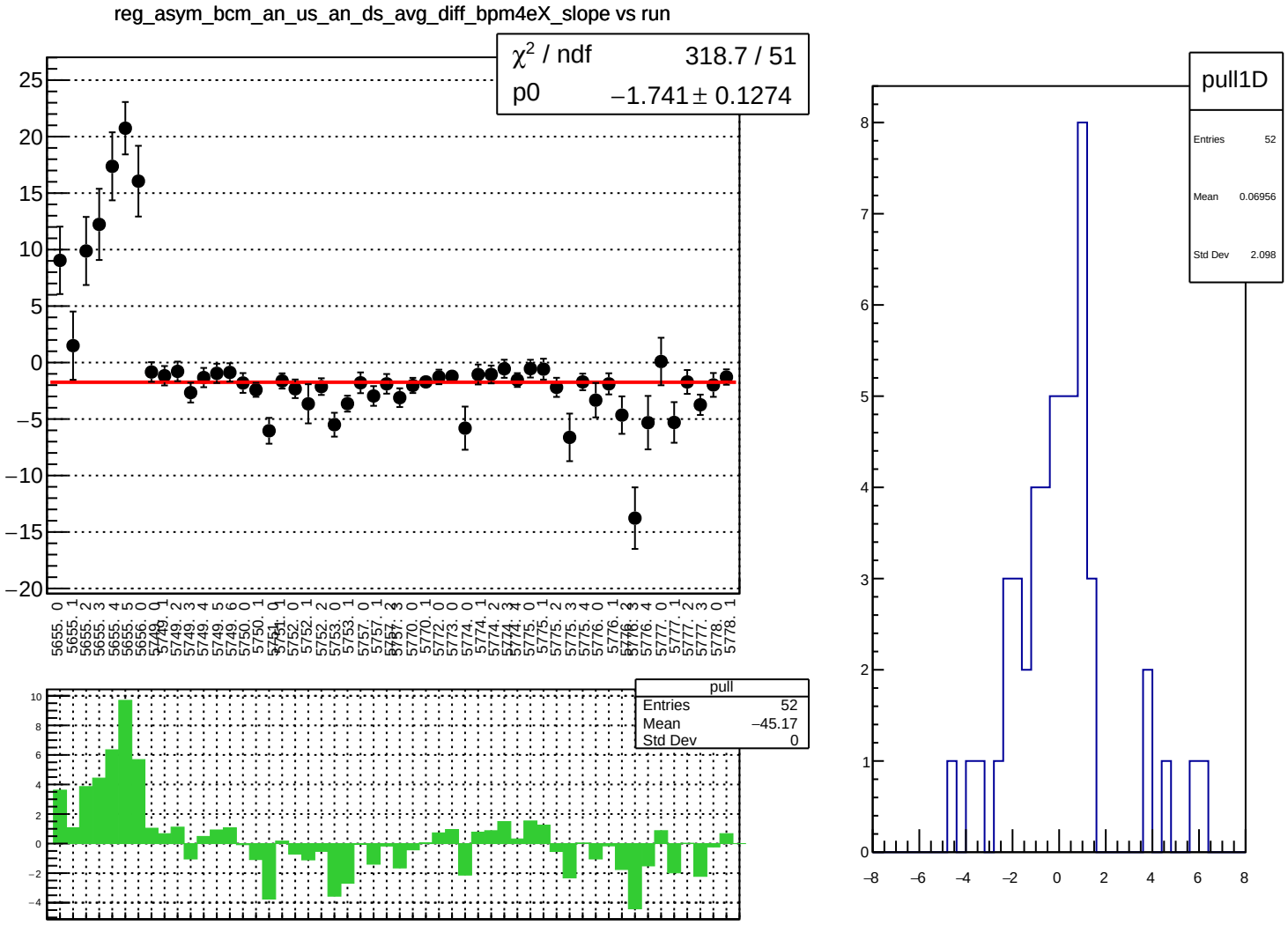

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 128.8 / 51
p0 −0.09605 ± 0.05998
pull
Entries 52
Mean −95.35
Std Dev 0
pull1D
Entries 52
Mean −0.106
Std Dev 1.57

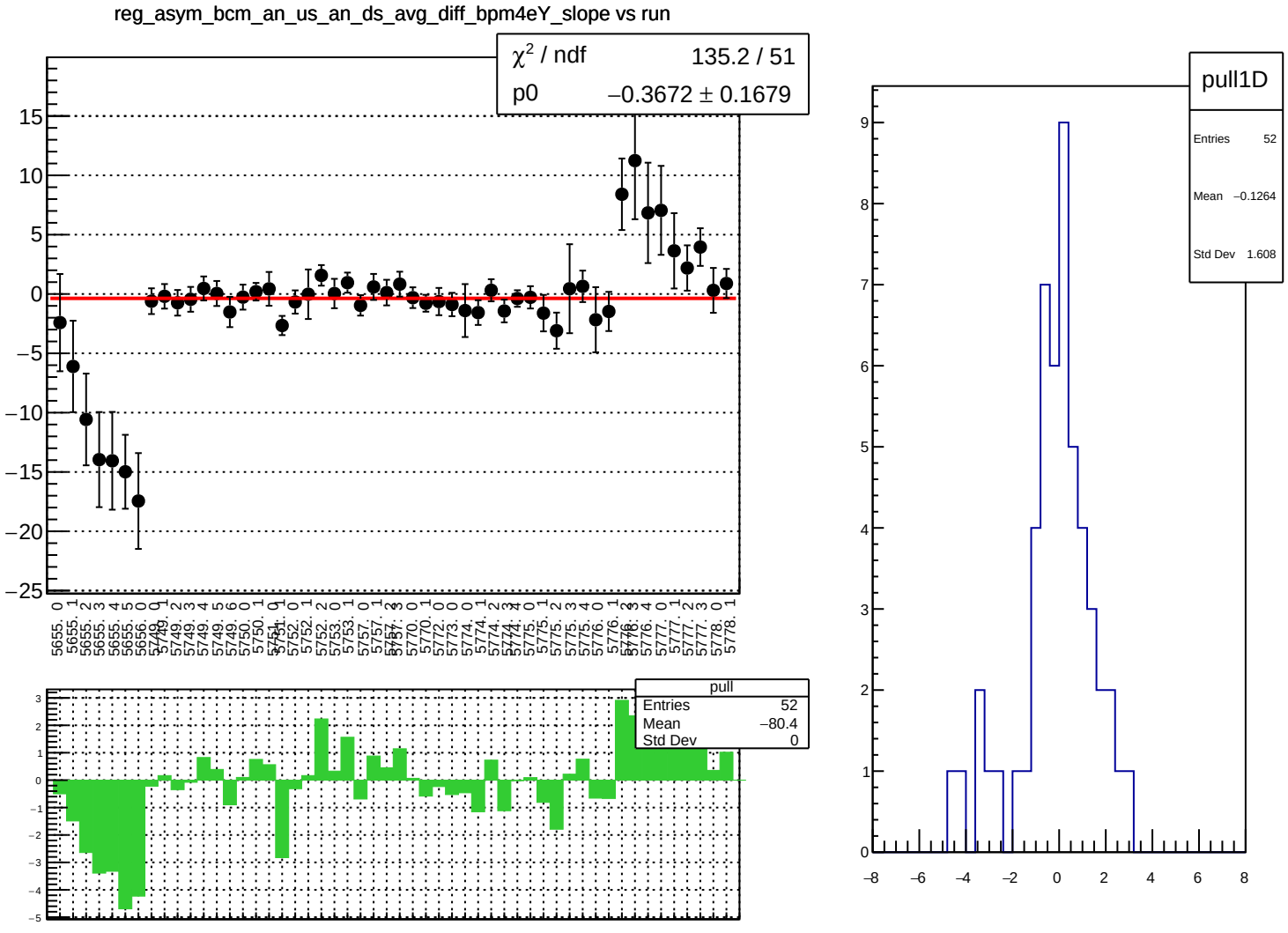

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 492.3 / 51
p0 0.07814 ± 0.003557
pull
Entries 52
Mean 349.9
Std Dev 0
pull1D
Entries 52
Mean 0.1164
Std Dev 3.075

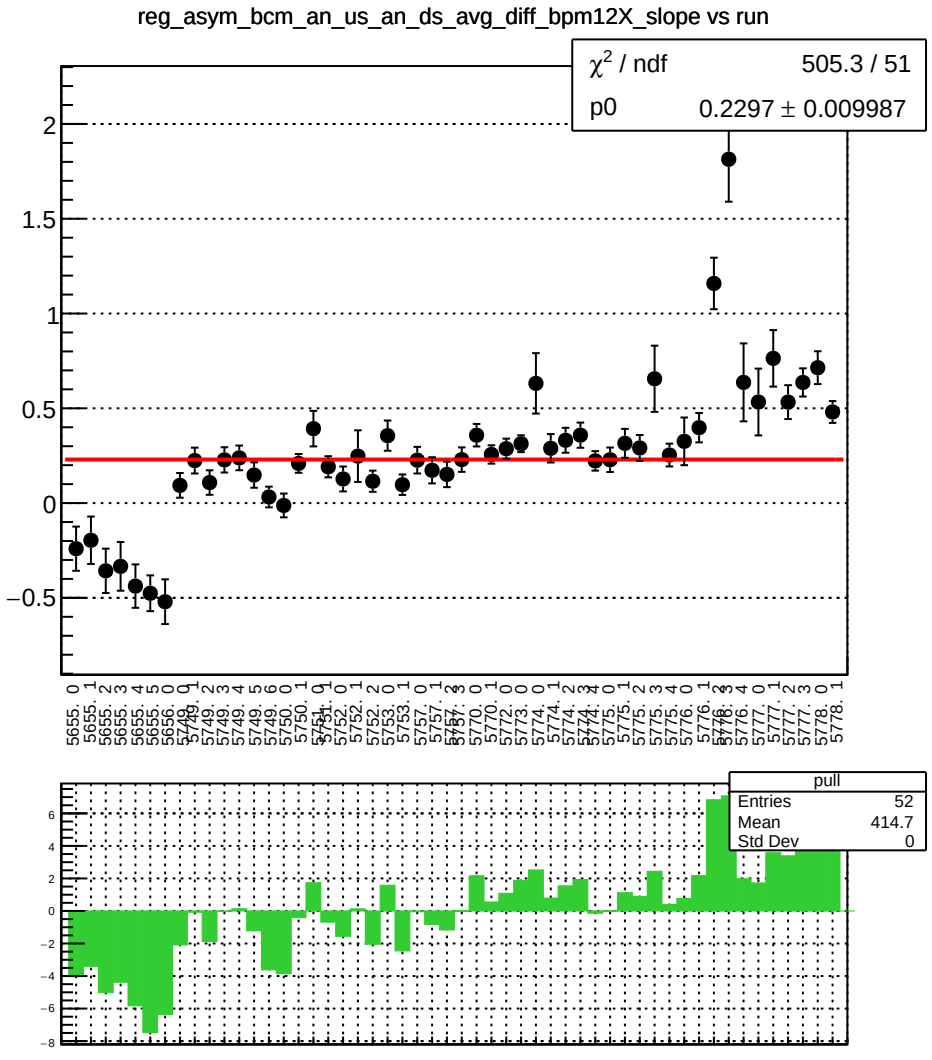

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 334.1 / 51
p0 1.566 ± 0.08311
pull
Entries 52
Mean −42.89
Std Dev 0
pull1D
Entries 52
Mean −0.1179
Std Dev 2.17

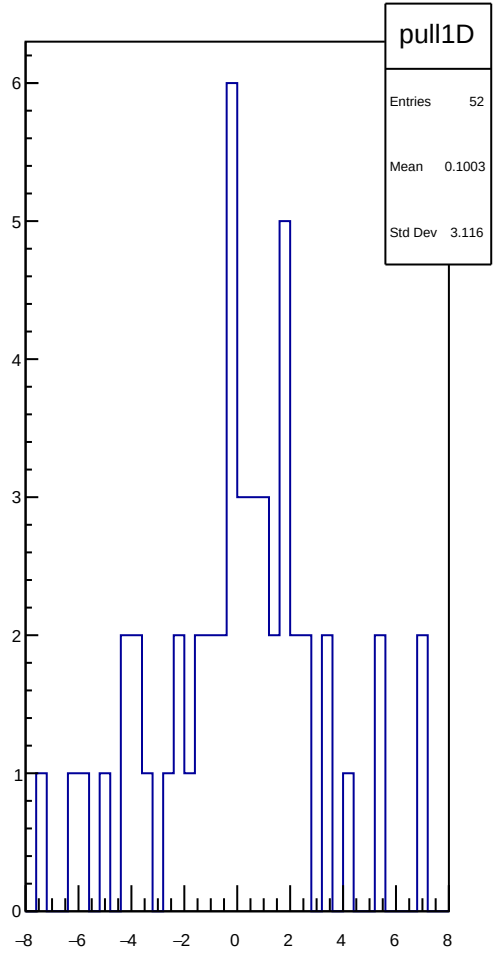

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 118.6 / 51
p0 0.1802 ± 0.1583
pull
Entries 52
Mean −1351
Std Dev 0

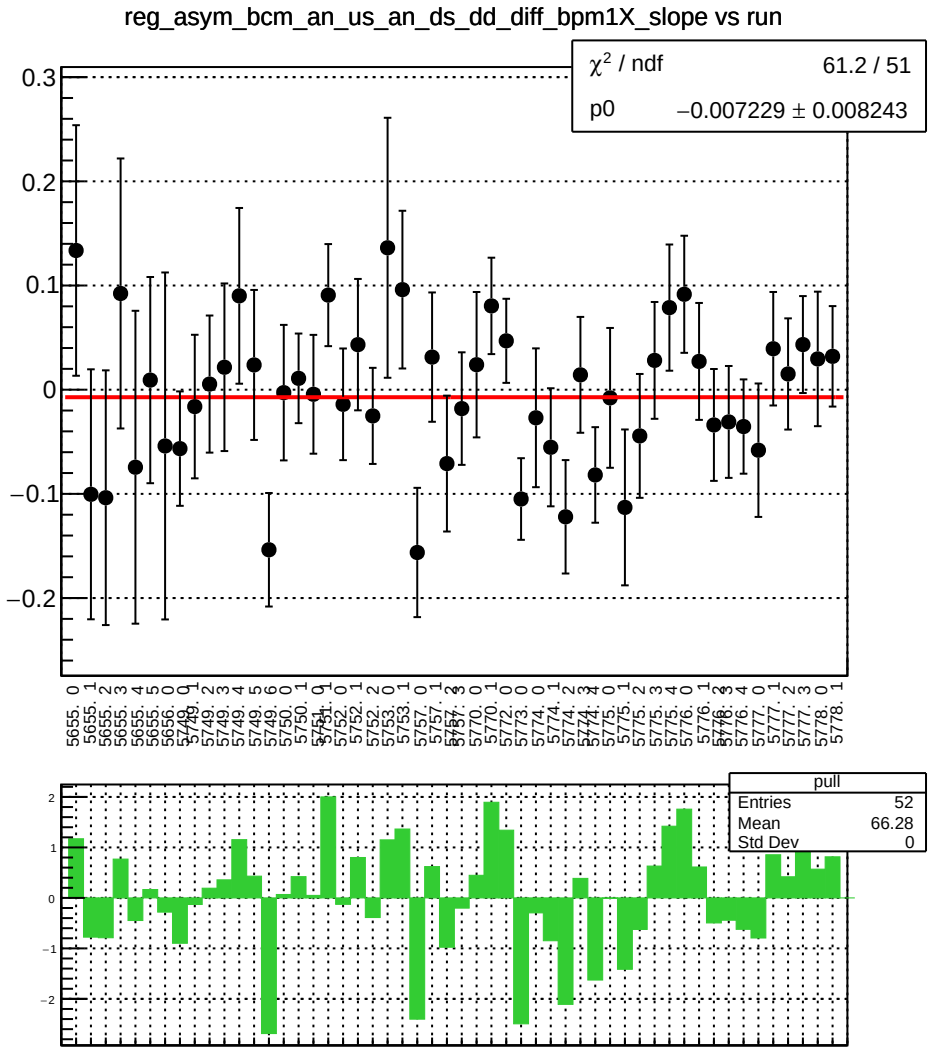

pull1D
Entries 52
Mean 0.009268
Std Dev 1.51

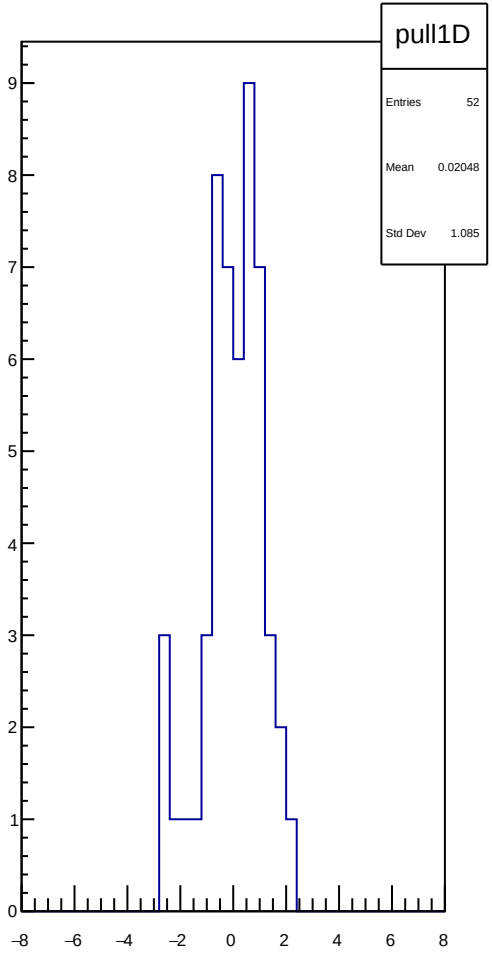

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 318.7 / 51
p0 −1.741 ± 0.1274
pull
Entries 52
Mean −45.17
Std Dev 0
pull1D
Entries 52
Mean 0.06956
Std Dev 2.098

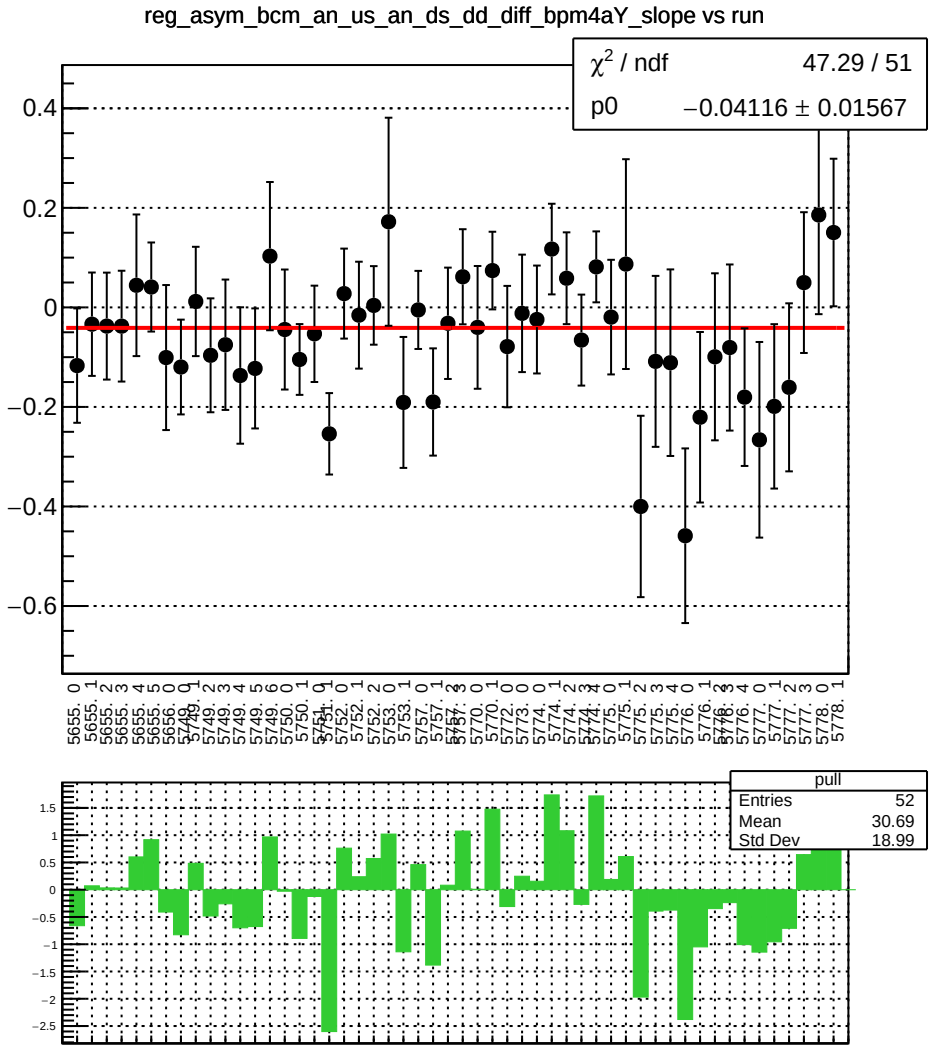

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 135.2 / 51
p0 −0.3672 ± 0.1679
pull
Entries 52
Mean −80.4
Std Dev 0
pull1D
Entries 52
Mean −0.1264
Std Dev 1.608

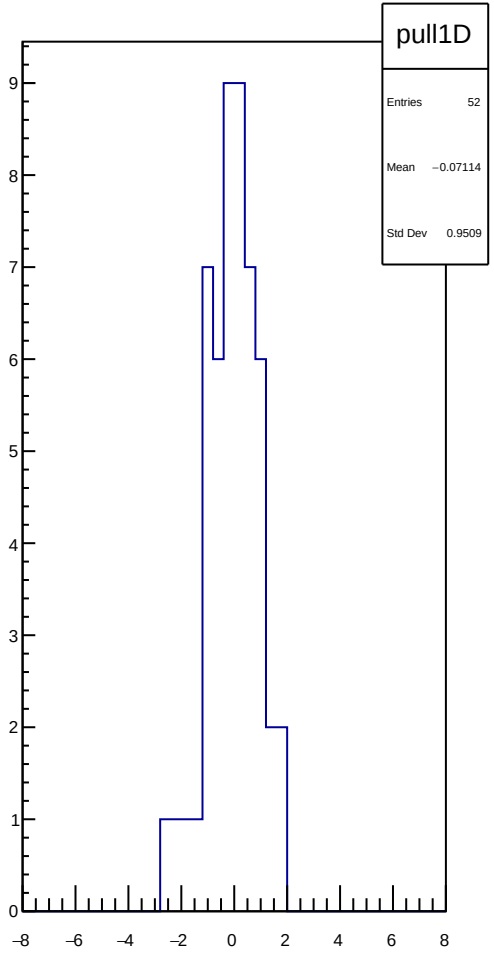

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 505.3 / 51
p0 0.2297 ± 0.009987
pull
Entries 52
Mean 414.7
Std Dev 0

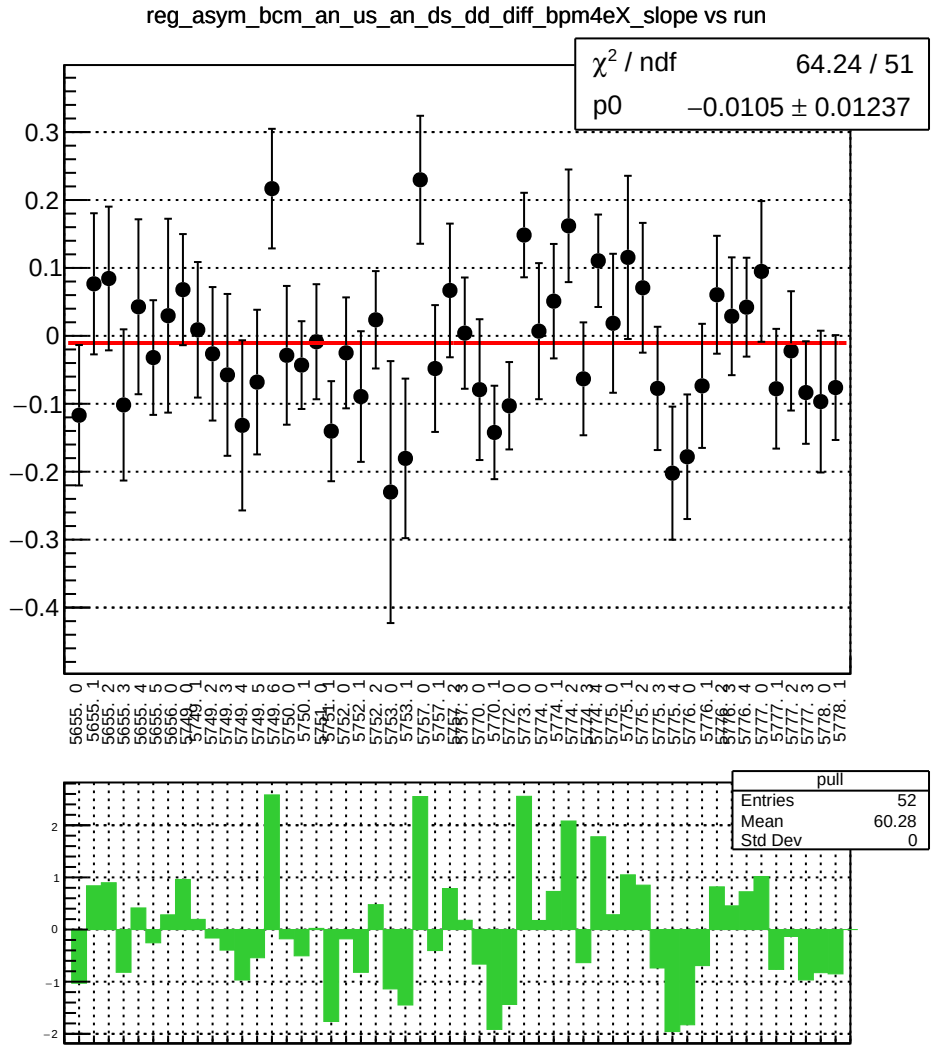

pull1D
Entries 52
Mean 0.1003
Std Dev 3.116

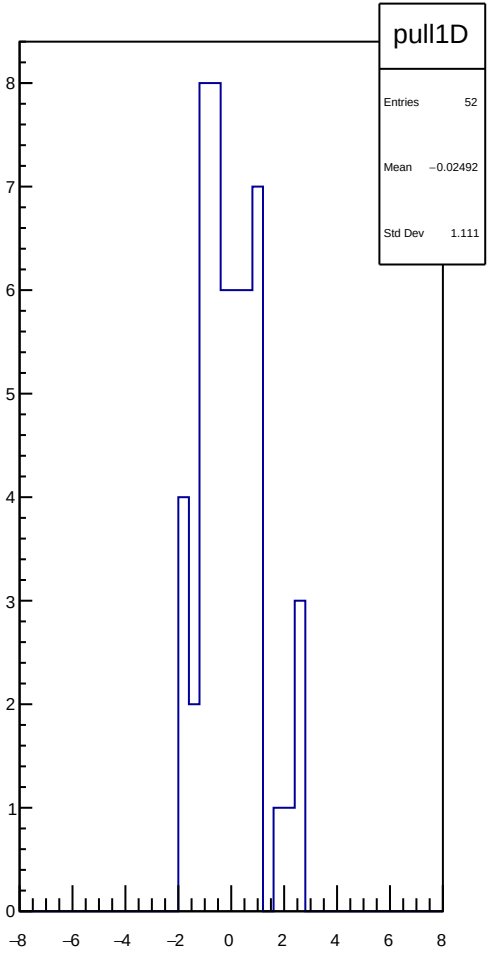

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 61.2 / 51
p0 −0.007229 ± 0.008243
pull
Entries 52
Mean 66.28
Std Dev 0

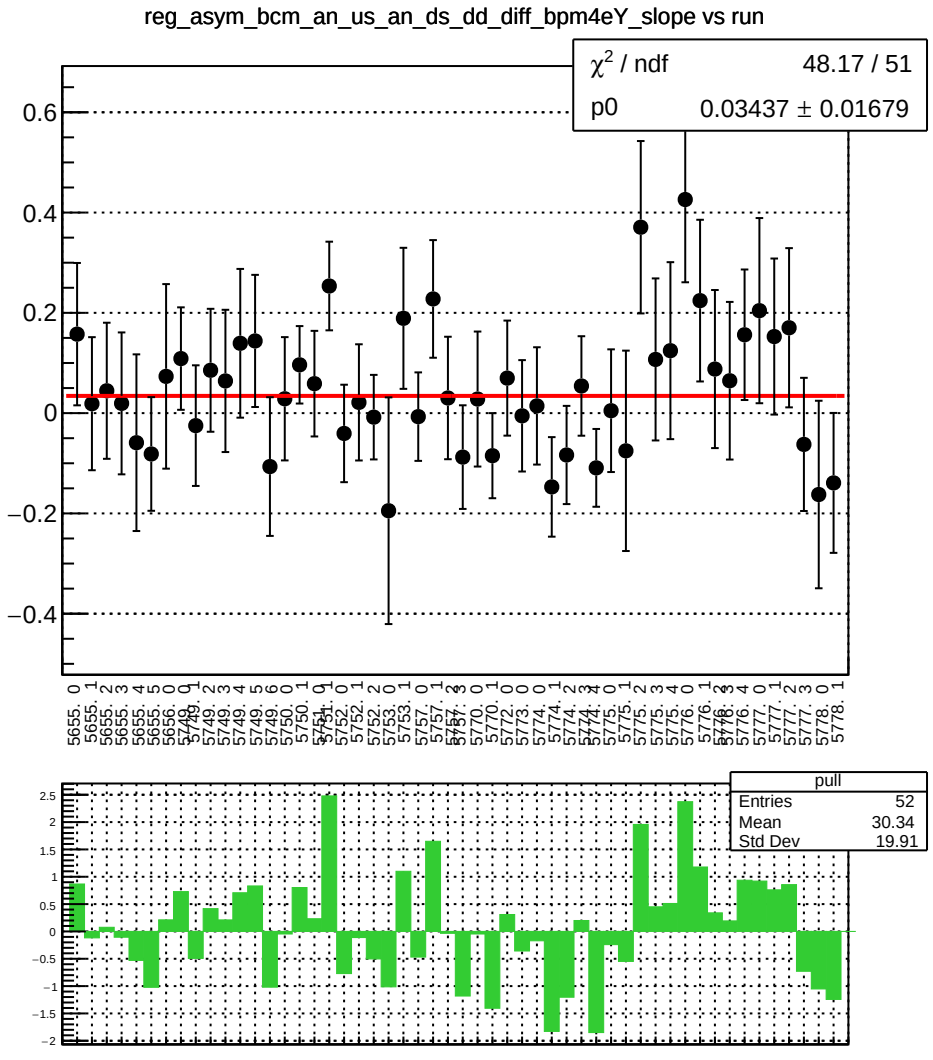

pull1D
Entries 52
Mean 0.02048
Std Dev 1.085

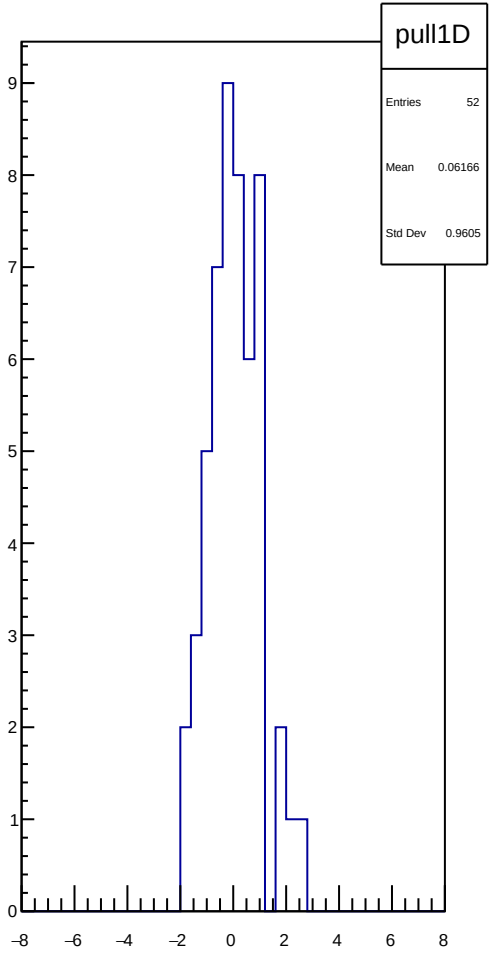

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 47.29 / 51
p0 −0.04116 ± 0.01567
pull
Entries 52
Mean 30.69
Std Dev 18.99

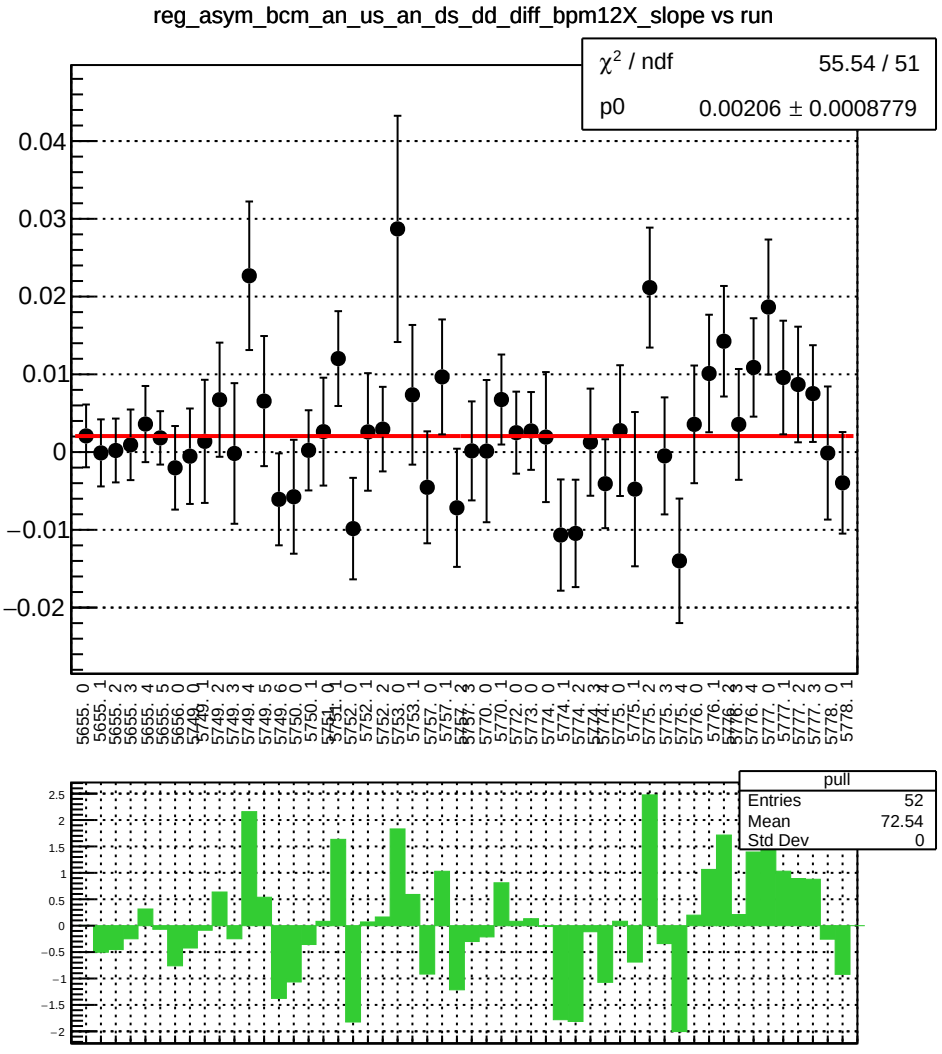

pull1D
Entries 52
Mean −0.07114
Std Dev 0.9509

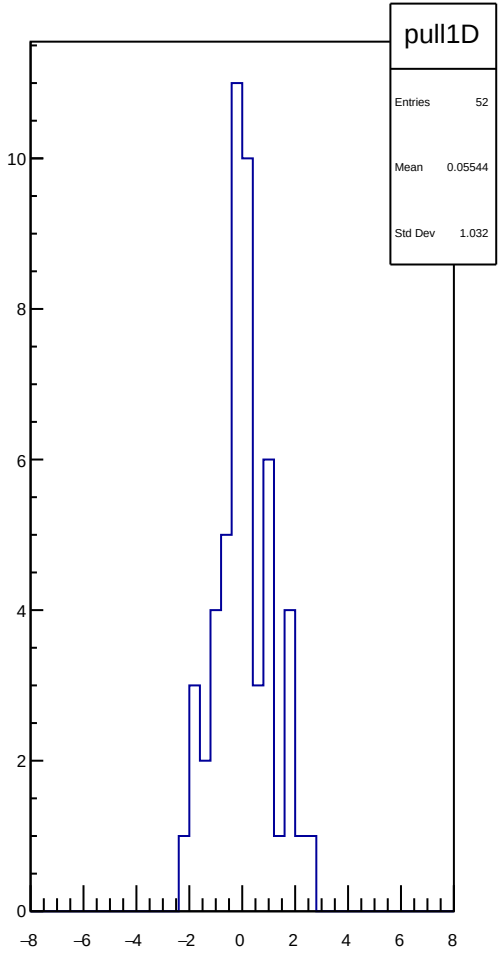

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 64.24 / 51
p0 −0.0105 ± 0.01237
pull
Entries 52
Mean 60.28
Std Dev 0

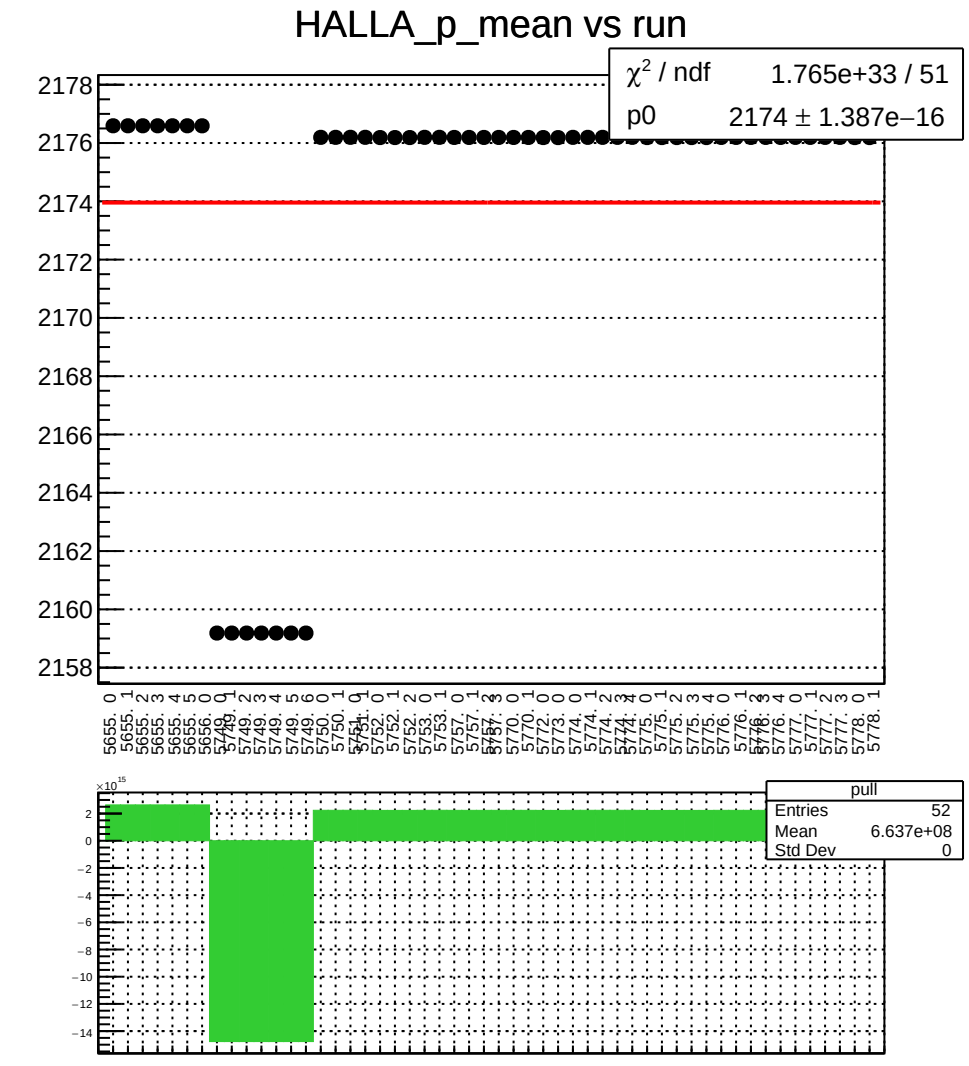

pull1D
Entries 52
Mean −0.02492
Std Dev 1.111

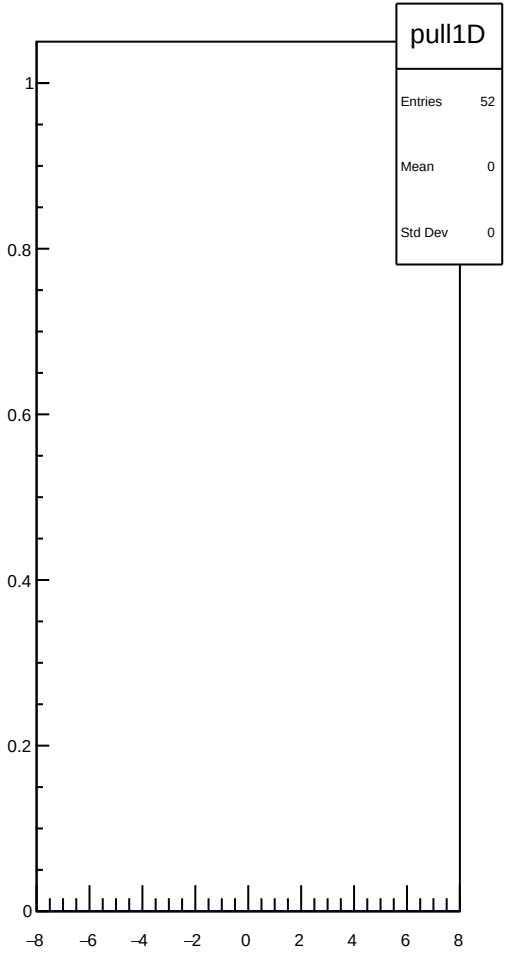

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 48.17 / 51
p0 0.03437 ± 0.01679
pull
Entries 52
Mean 30.34
Std Dev 19.91

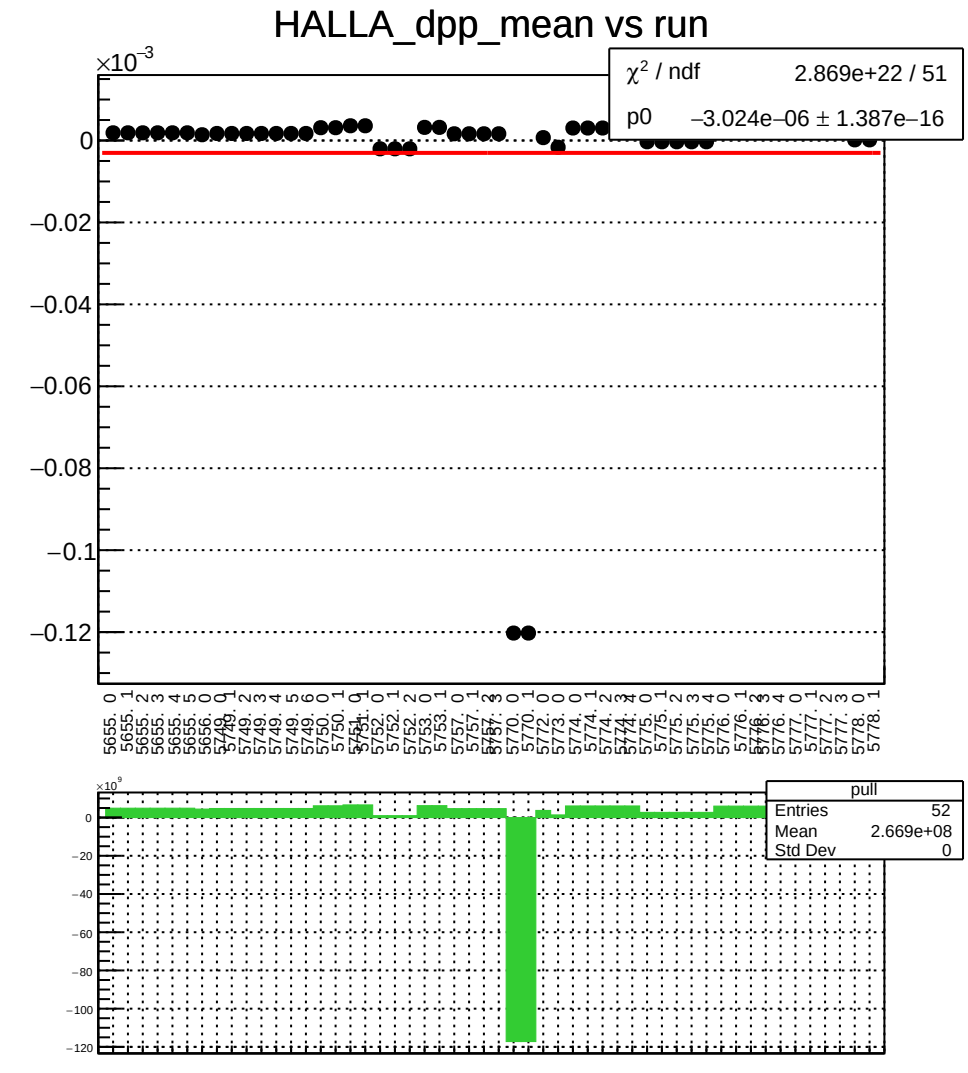

pull1D
Entries 52
Mean 0.06166
Std Dev 0.9605

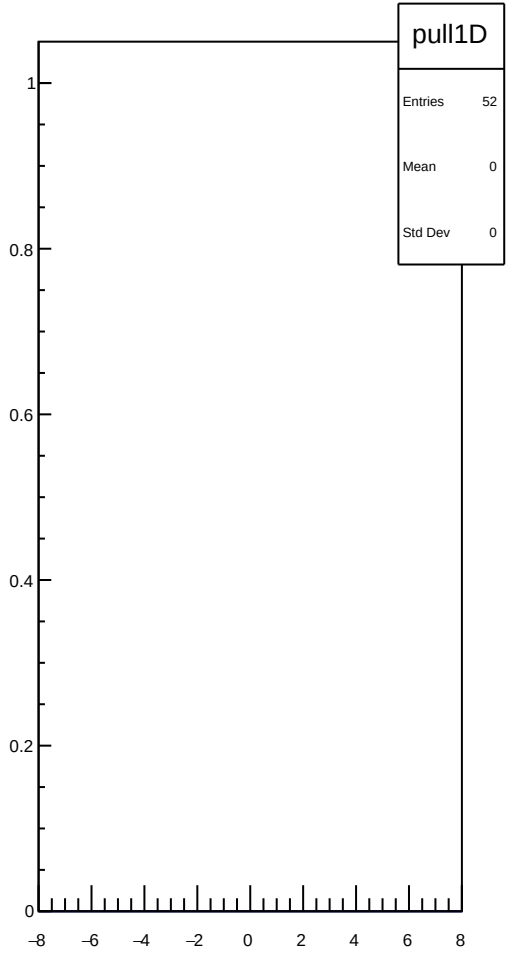

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 55.54 / 51
p0 0.00206 ± 0.0008779
pull
Entries 52
Mean 72.54
Std Dev 0

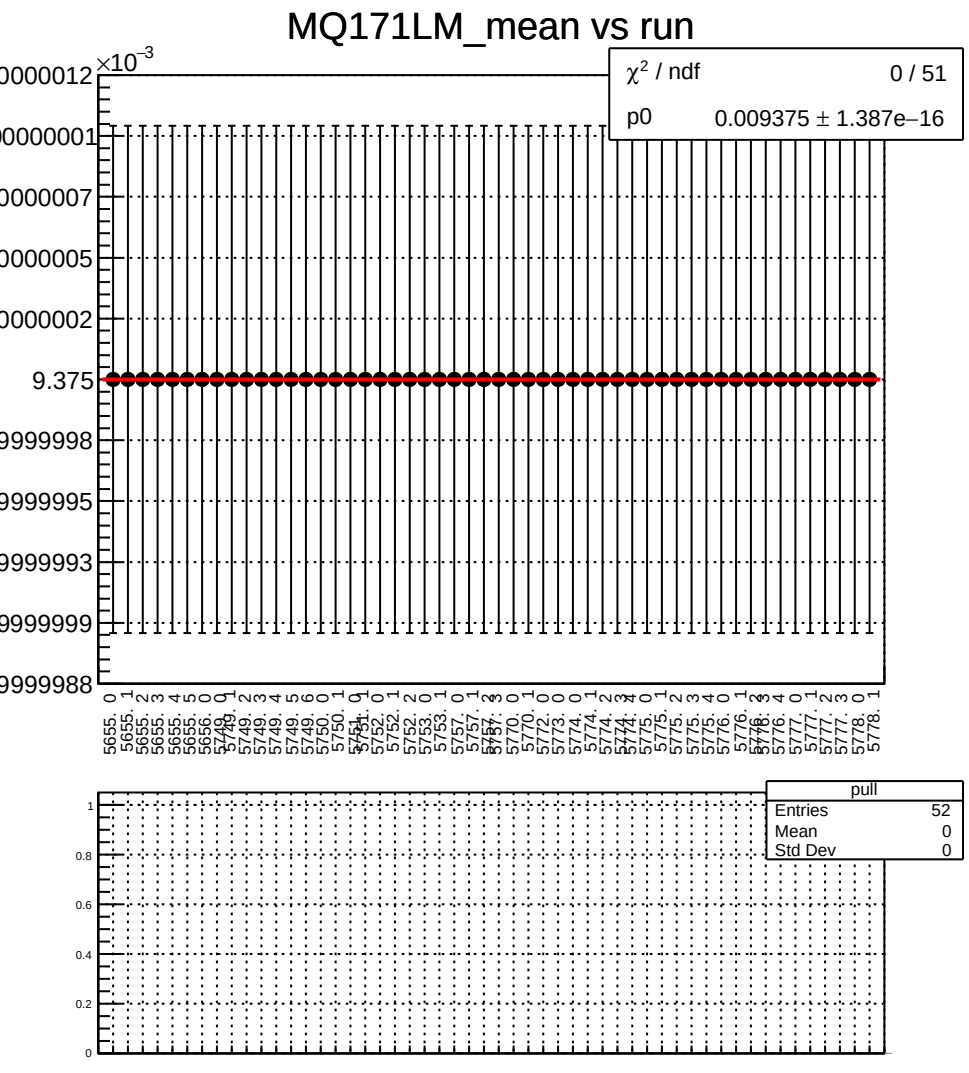

pull1D
Entries 52
Mean 0.05544
Std Dev 1.032

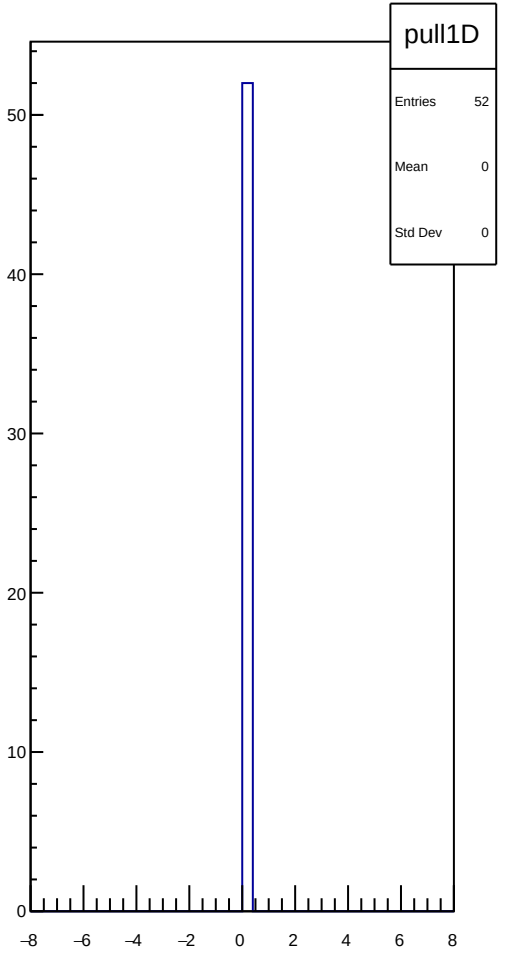

HALLA_p_mean vs run
χ² / ndf 1.765e+33 / 51
p0 2174 ± 1.387e−16
pull
Entries 52
Mean 6.637e+08
Std Dev 0

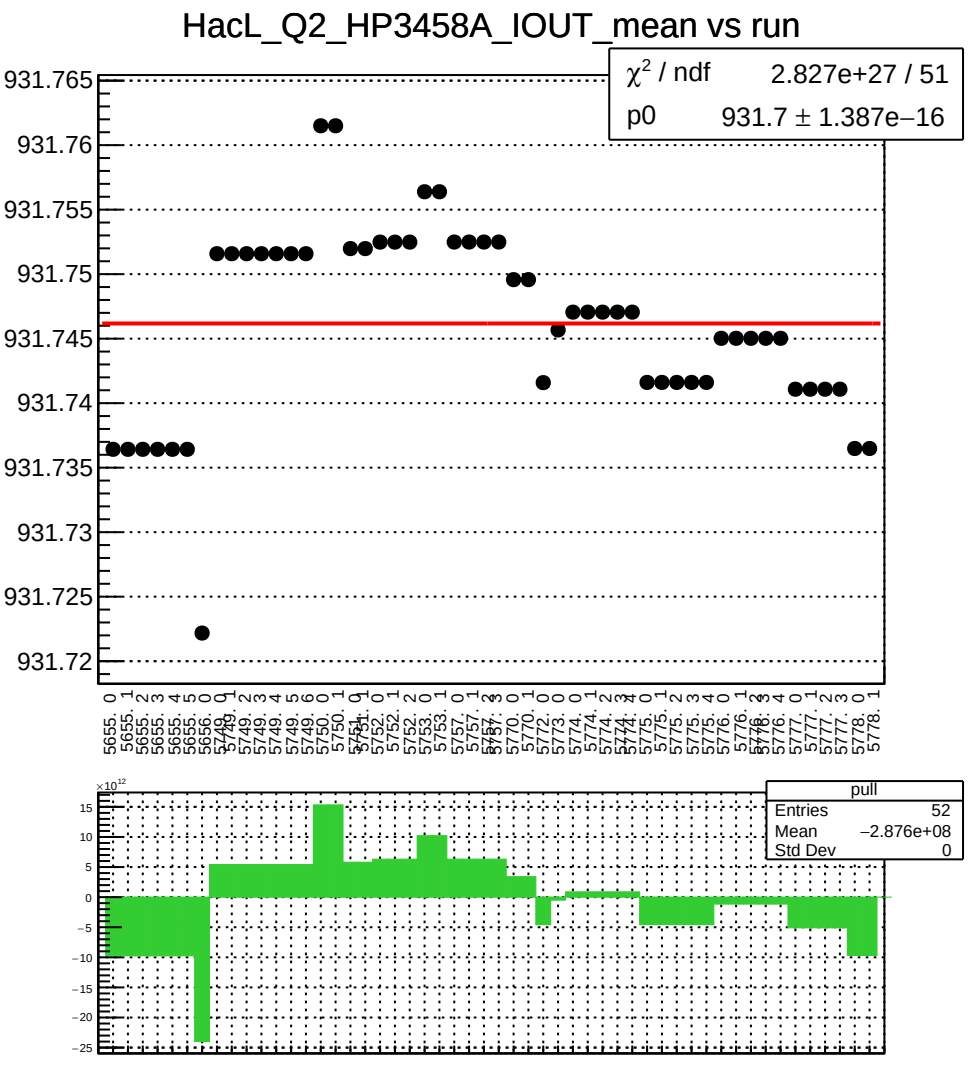

pull1D
Entries 52
Mean 0
Std Dev 0

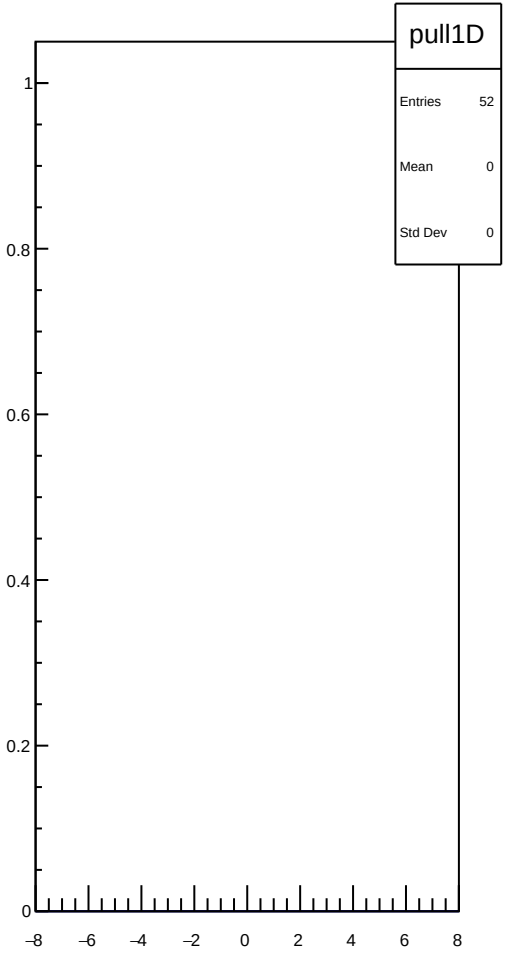

HALLA_dpp_mean vs run
×10⁻³
χ² / ndf 2.869e+22 / 51
p0 −3.024e−06 ± 1.387e−16
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull
Entries 52
Mean 2.669e+08
Std Dev 0
×10⁹
0
−20
−40
−60
−80
−100
−120

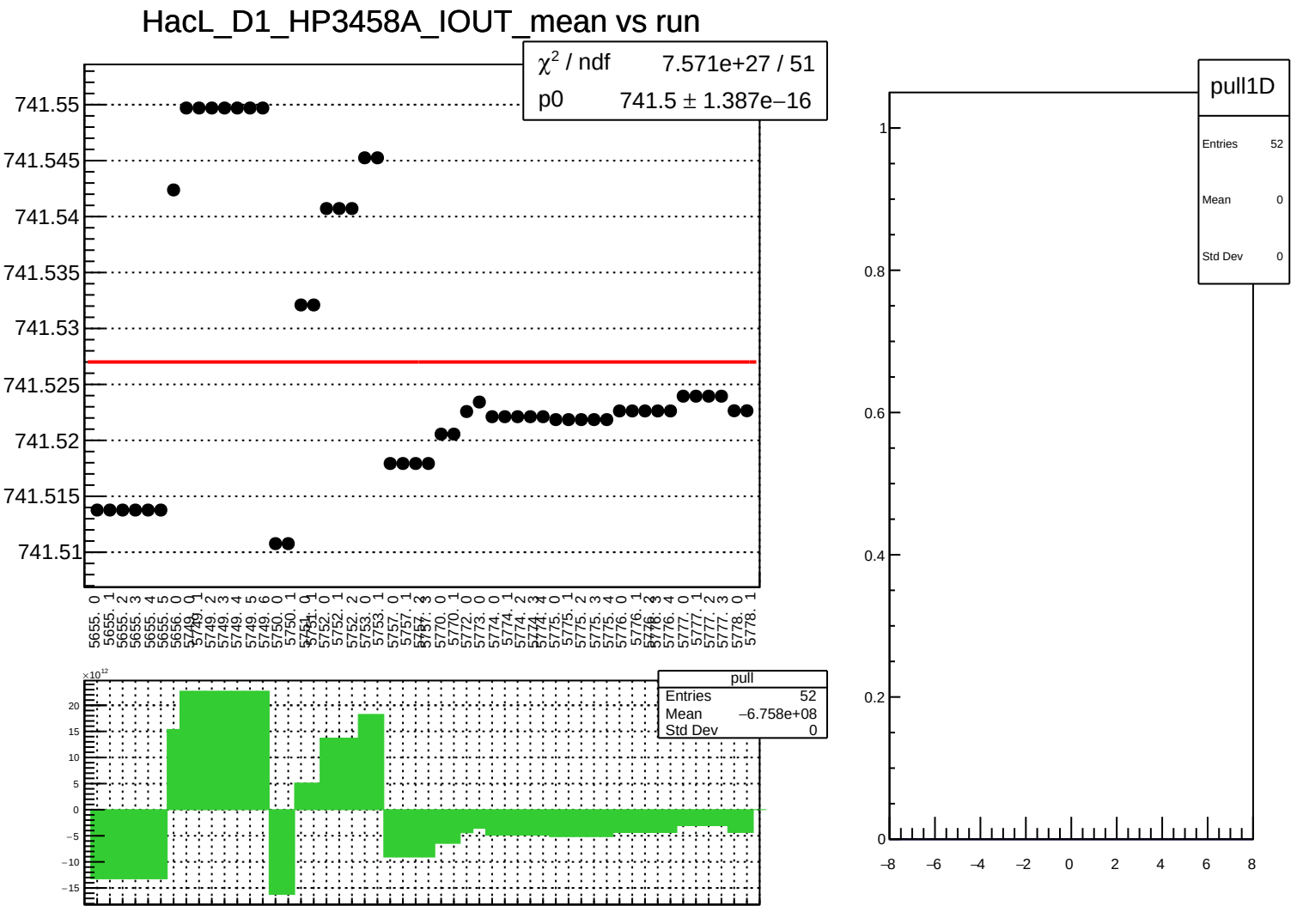

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

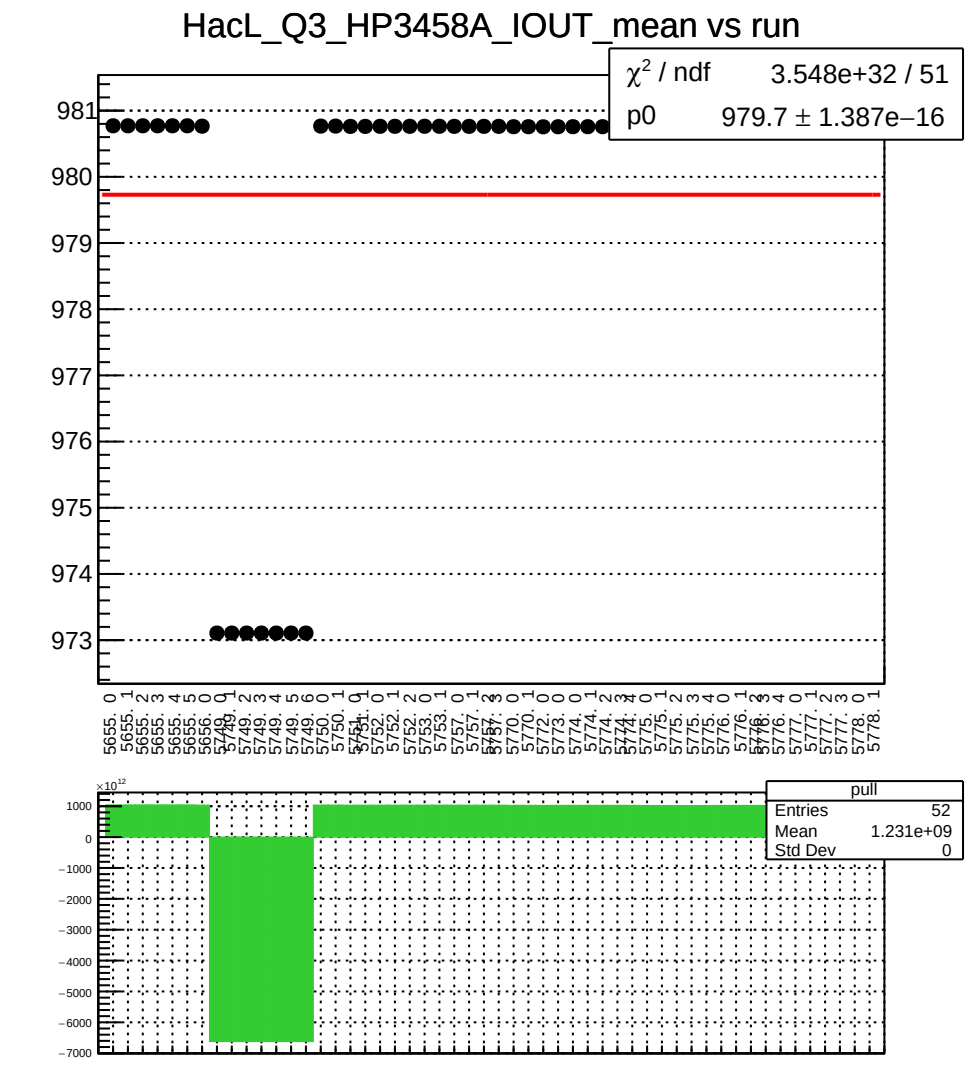

MQ171LM_mean vs run
×10⁻³
χ² / ndf 0 / 51
p0 0.009375 ± 1.387e−16
pull
Entries 52
Mean 0
Std Dev 0

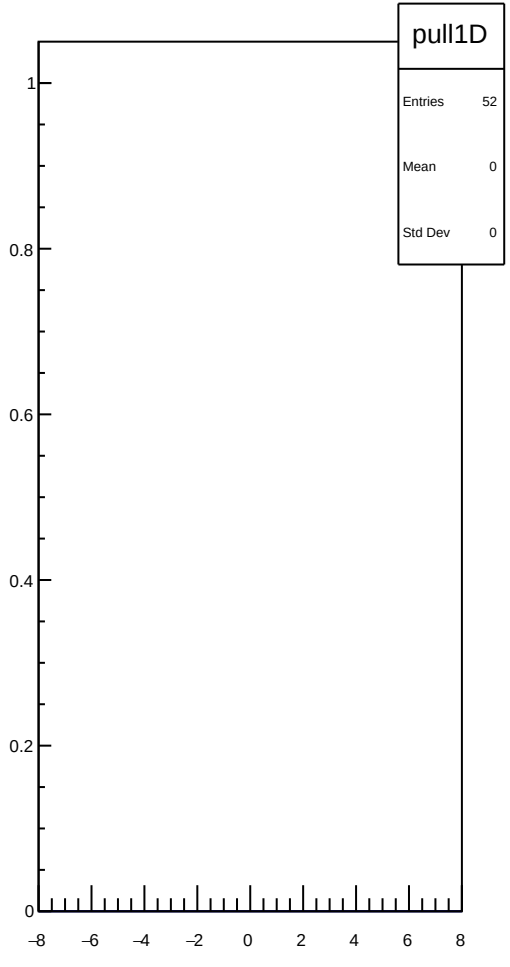

pull1D
Entries 52
Mean 0
Std Dev 0

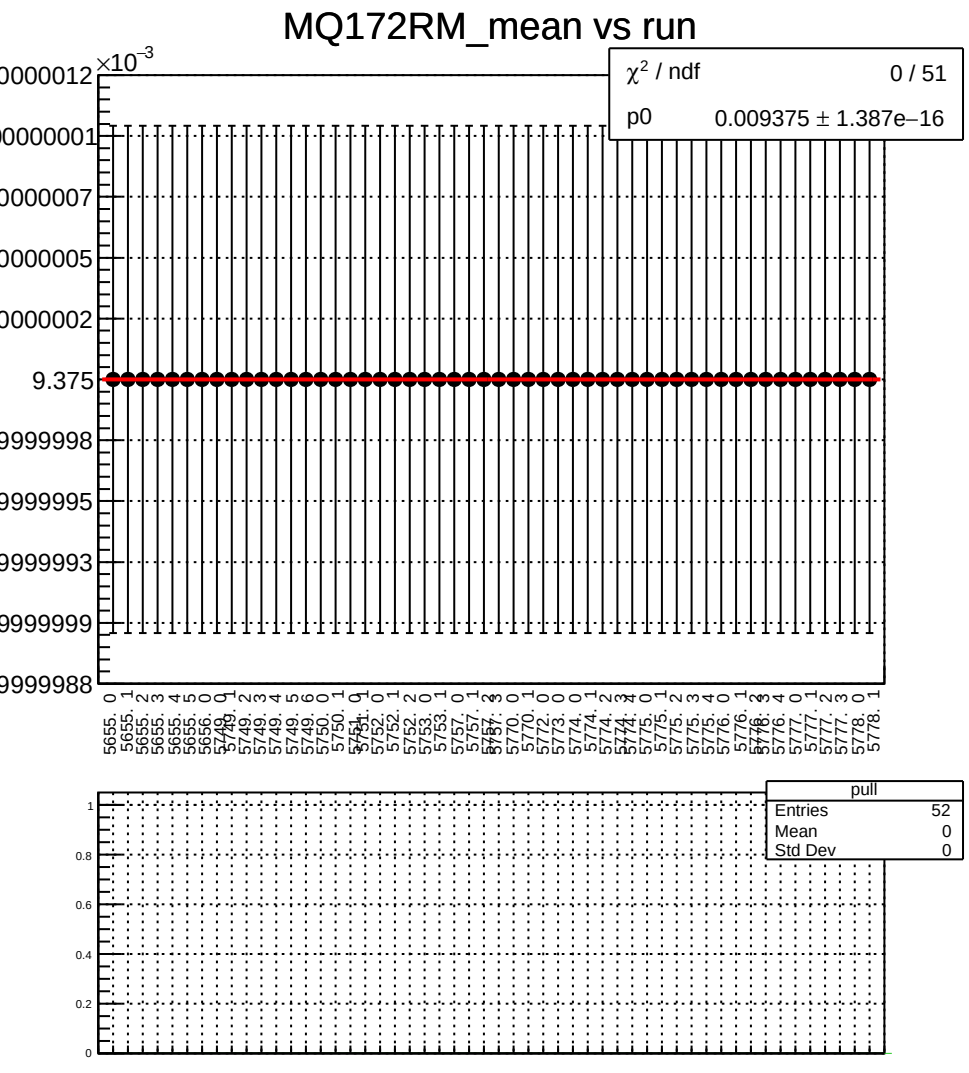

HacL_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 2.827e+27 / 51
p0 931.7 ± 1.387e−16
931.765
931.76
931.755
931.75
931.745
931.74
931.735
931.73
931.725
931.72
pull
Entries 52
Mean −2.876e+08
Std Dev 0
×10¹²
15
10
5
0
−5
−10
−15
−20
−25

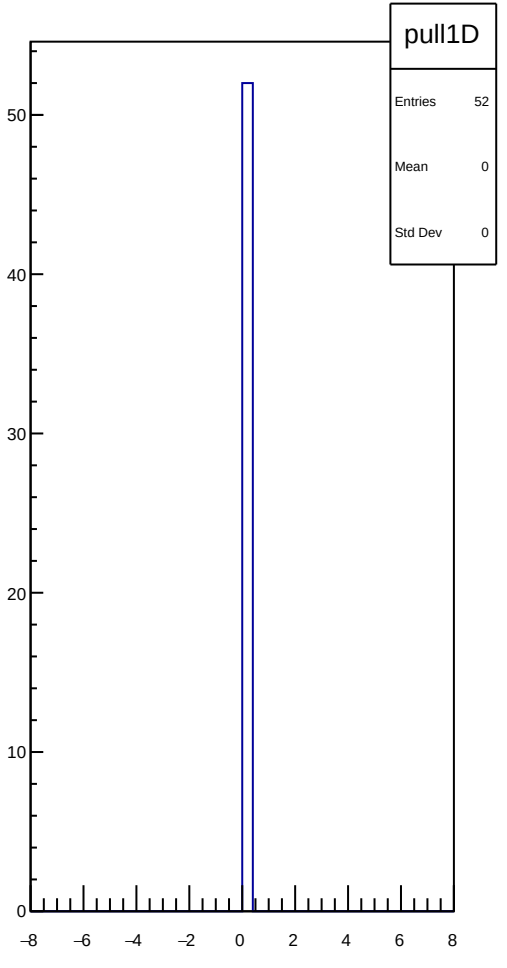

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

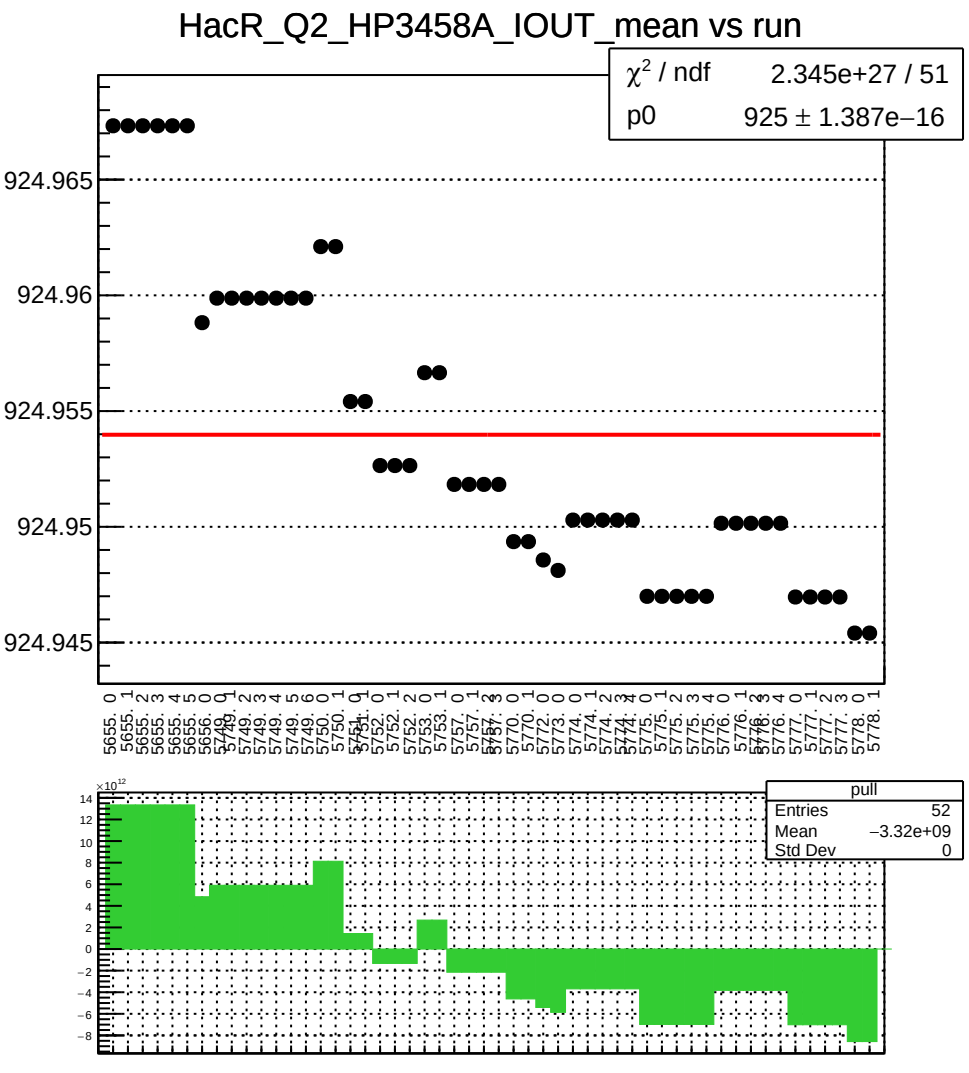

HacL_D1_HP3458A_IOUT_mean vs run
χ² / ndf 7.571e+27 / 51
p0 741.5 ± 1.387e−16
741.55
741.545
741.54
741.535
741.53
741.525
741.52
741.515
741.51
pull
Entries 52
Mean −6.758e+08
Std Dev 0
×10¹²
20
15
10
5
0
−5
−10
−15
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

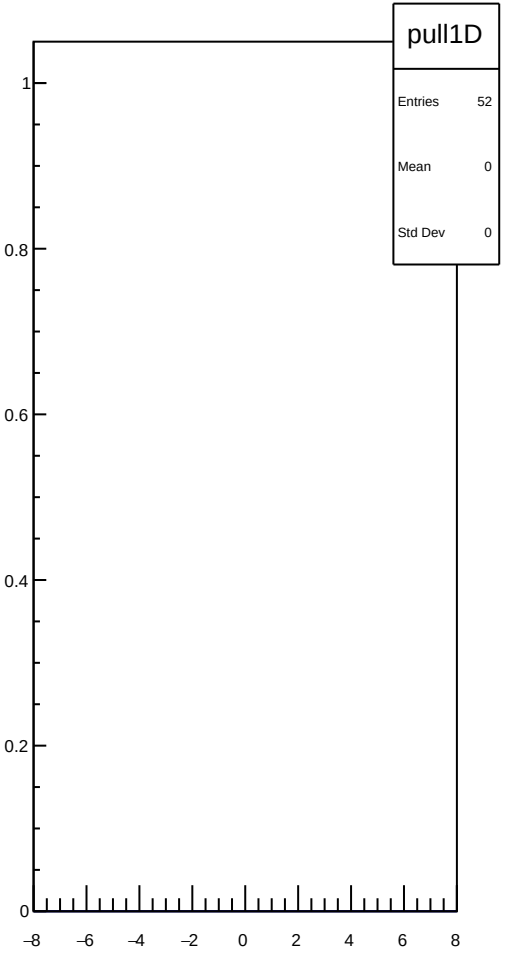

HacL_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 3.548e+32 / 51
p0 979.7 ± 1.387e−16
981
980
979
978
977
976
975
974
973
pull
Entries 52
Mean 1.231e+09
Std Dev 0
×10¹²
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
−7000

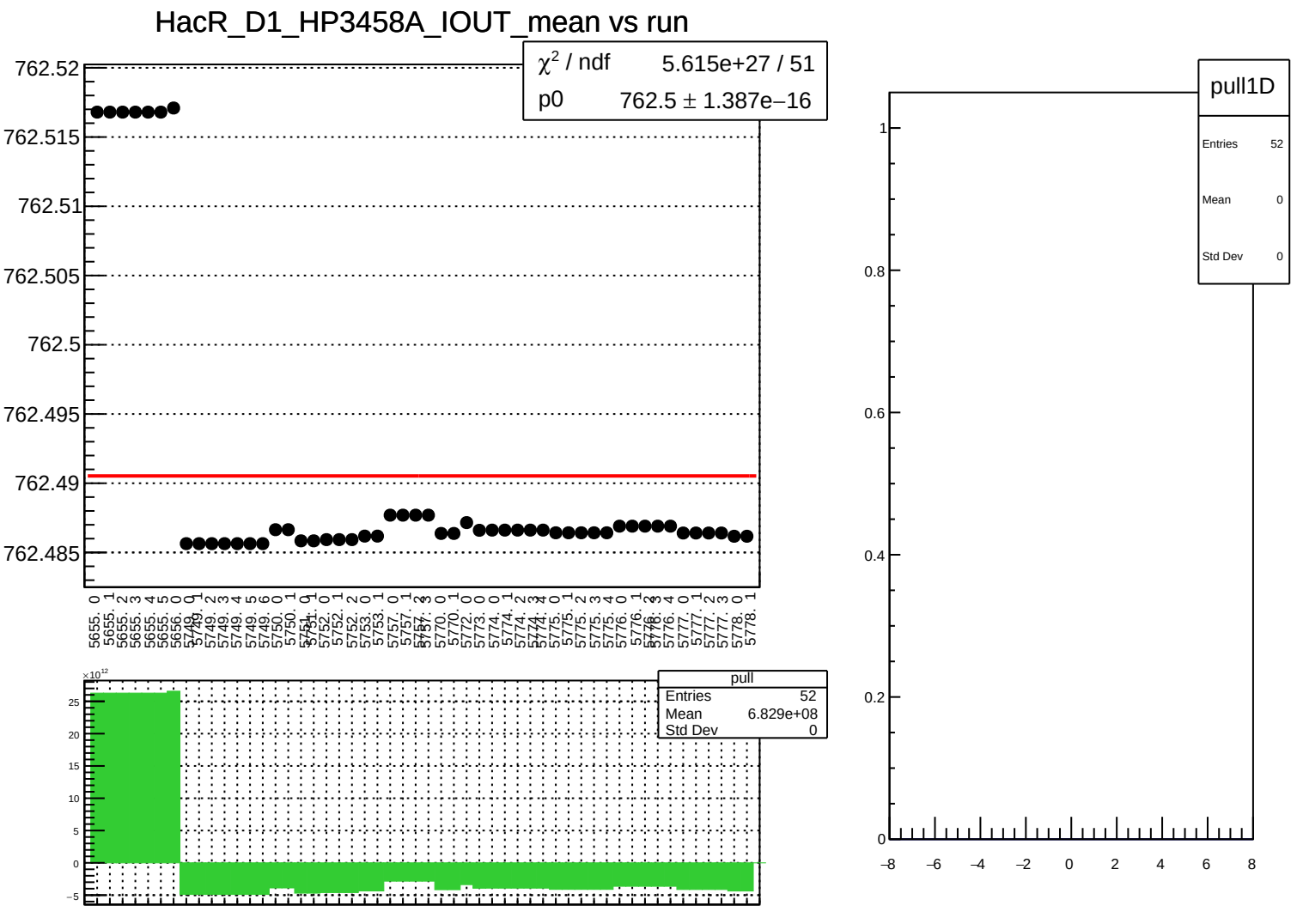

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

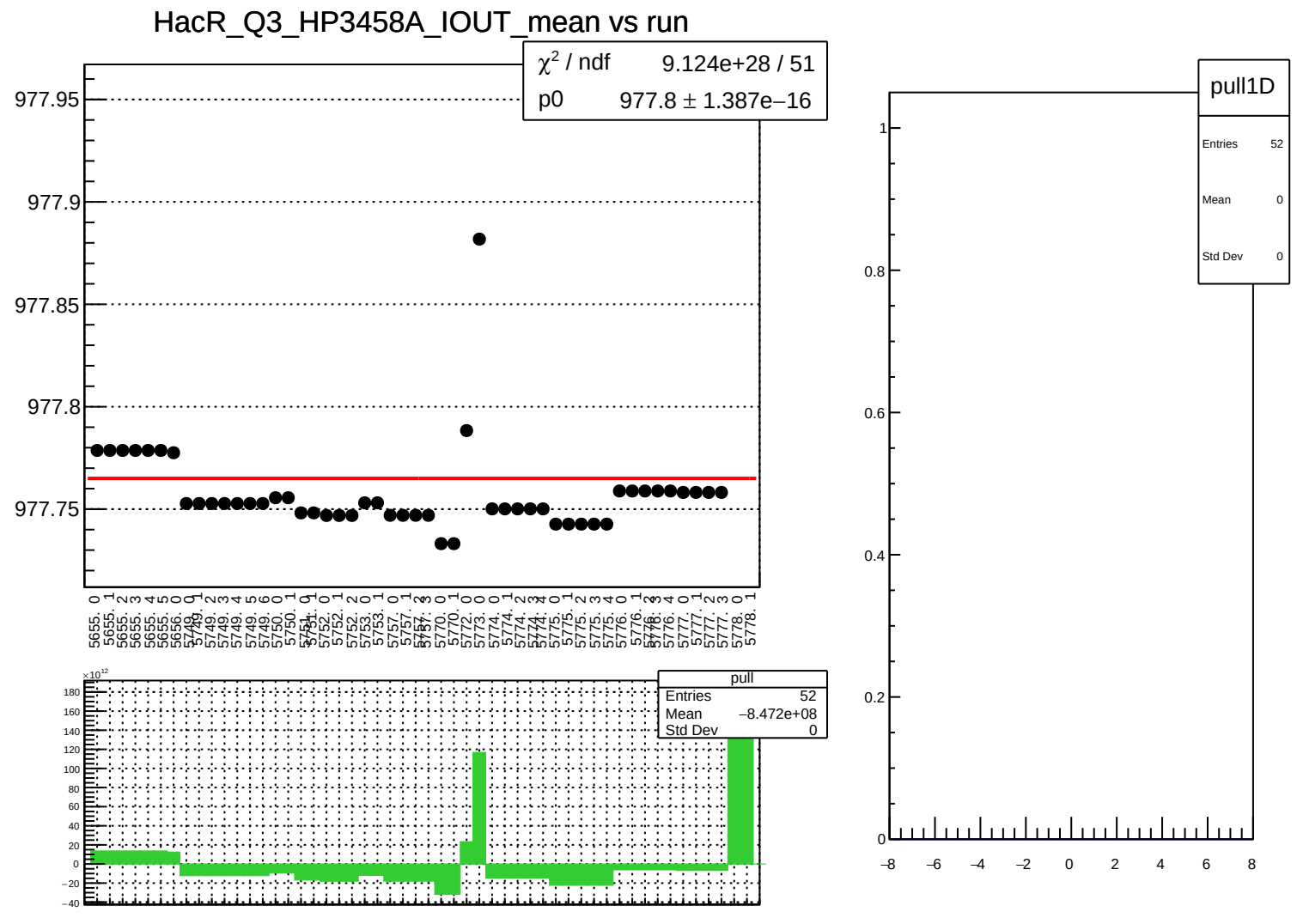

MQ172RM_mean vs run
χ² / ndf 0 / 51
p0 0.009375 ± 1.387e−16
×10⁻³
pull
Entries 52
Mean 0
Std Dev 0

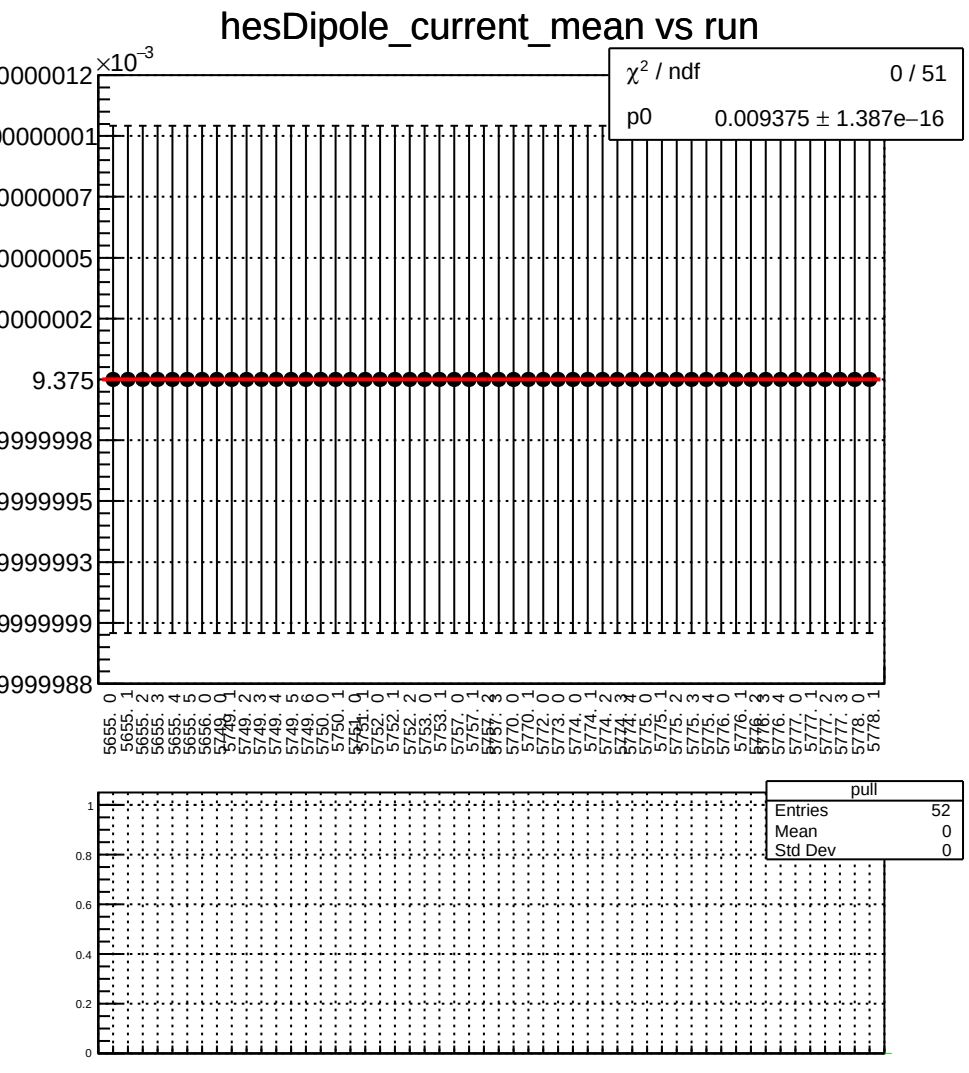

pull1D
Entries 52
Mean 0
Std Dev 0

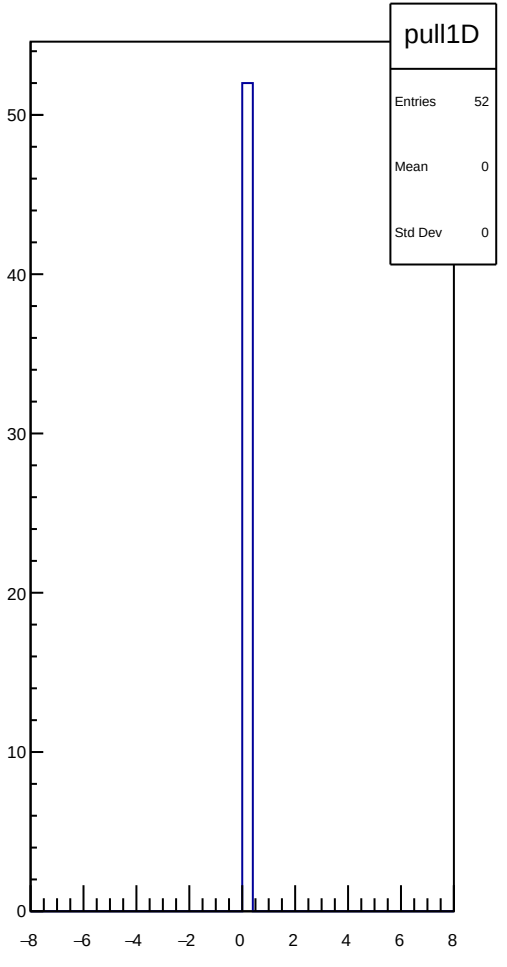

HacR_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 2.345e+27 / 51
p0 925 ± 1.387e−16
924.965
924.96
924.955
924.95
924.945
pull
Entries 52
Mean −3.32e+09
Std Dev 0
×10¹²

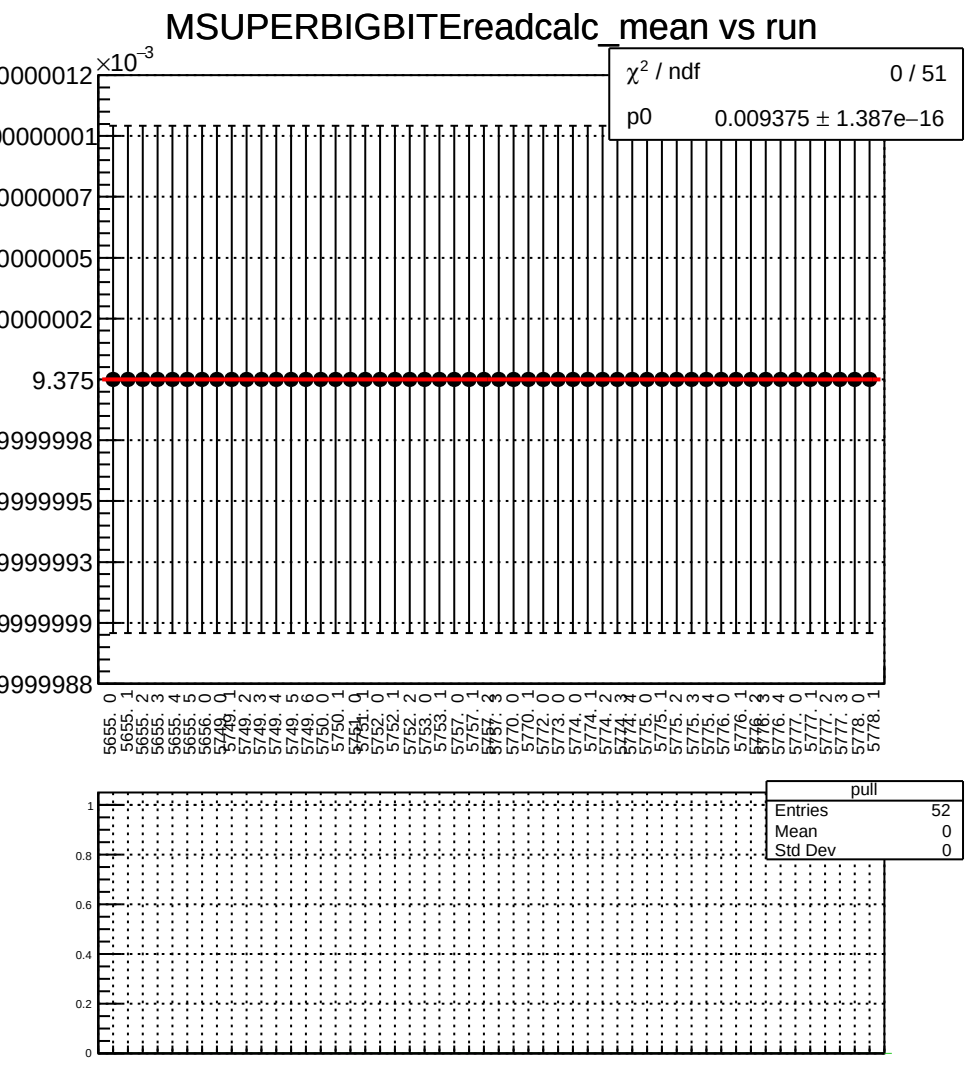

pull1D
Entries 52
Mean 0
Std Dev 0

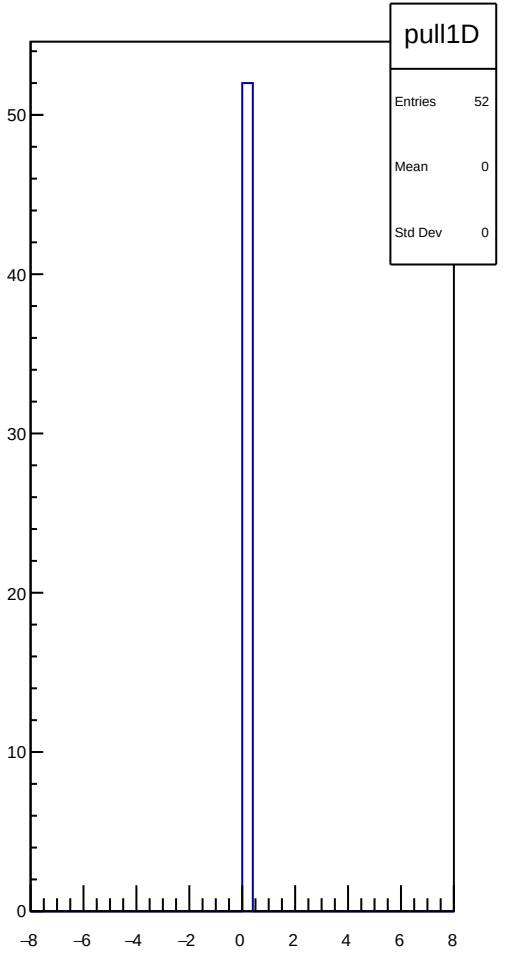

HacR_D1_HP3458A_IOUT_mean vs run
χ² / ndf 5.615e+27 / 51
p0 762.5 ± 1.387e−16
762.52
762.515
762.51
762.505
762.5
762.495
762.49
762.485
pull
Entries 52
Mean 6.829e+08
Std Dev 0
×10¹²
25
20
15
10
5
0
−5
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

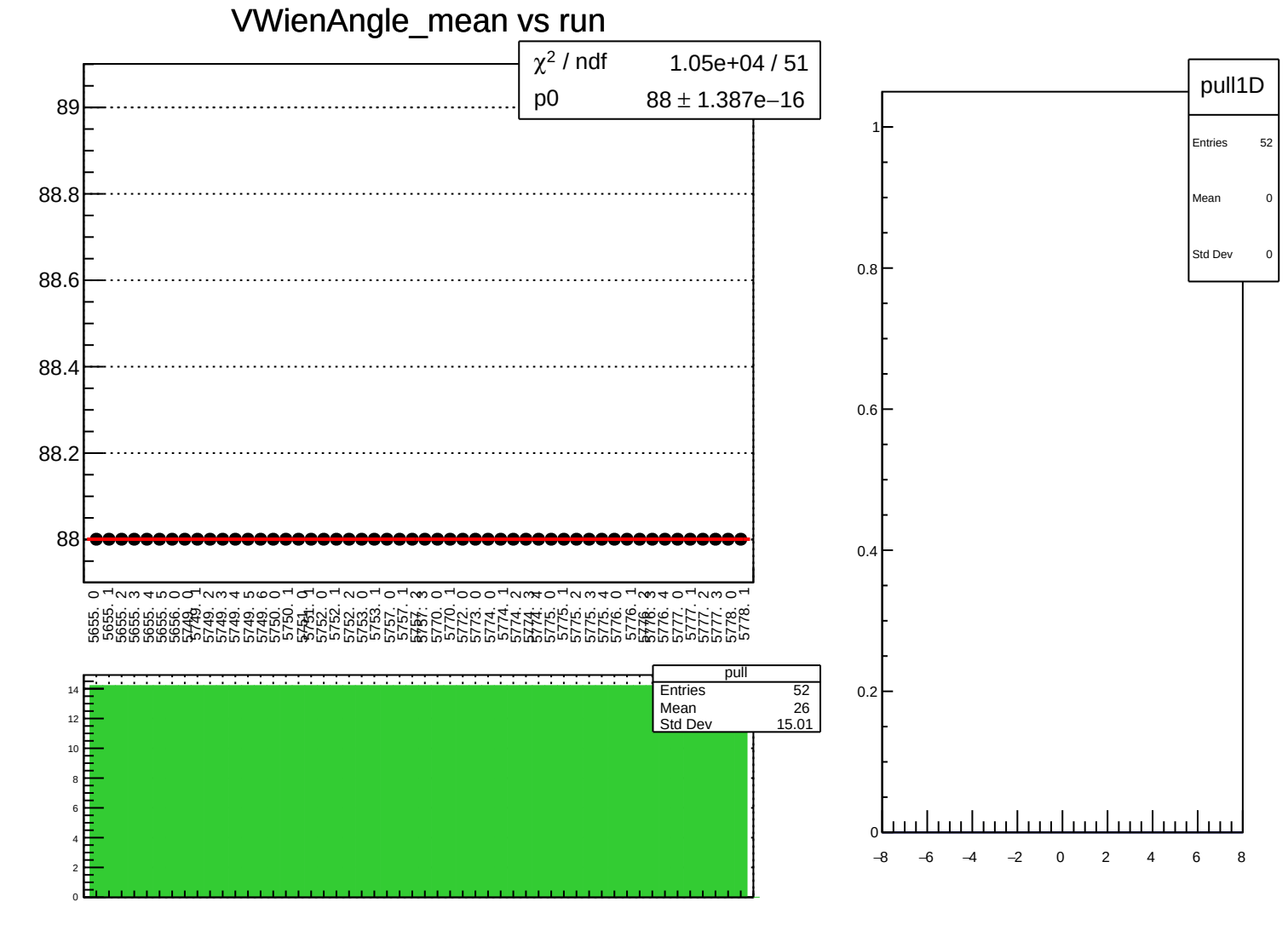

HacR_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 9.124e+28 / 51
p0 977.8 ± 1.387e−16
977.95
977.9
977.85
977.8
977.75
pull
Entries 52
Mean −8.472e+08
Std Dev 0
pull1D
Entries 52
Mean 0
Std Dev 0

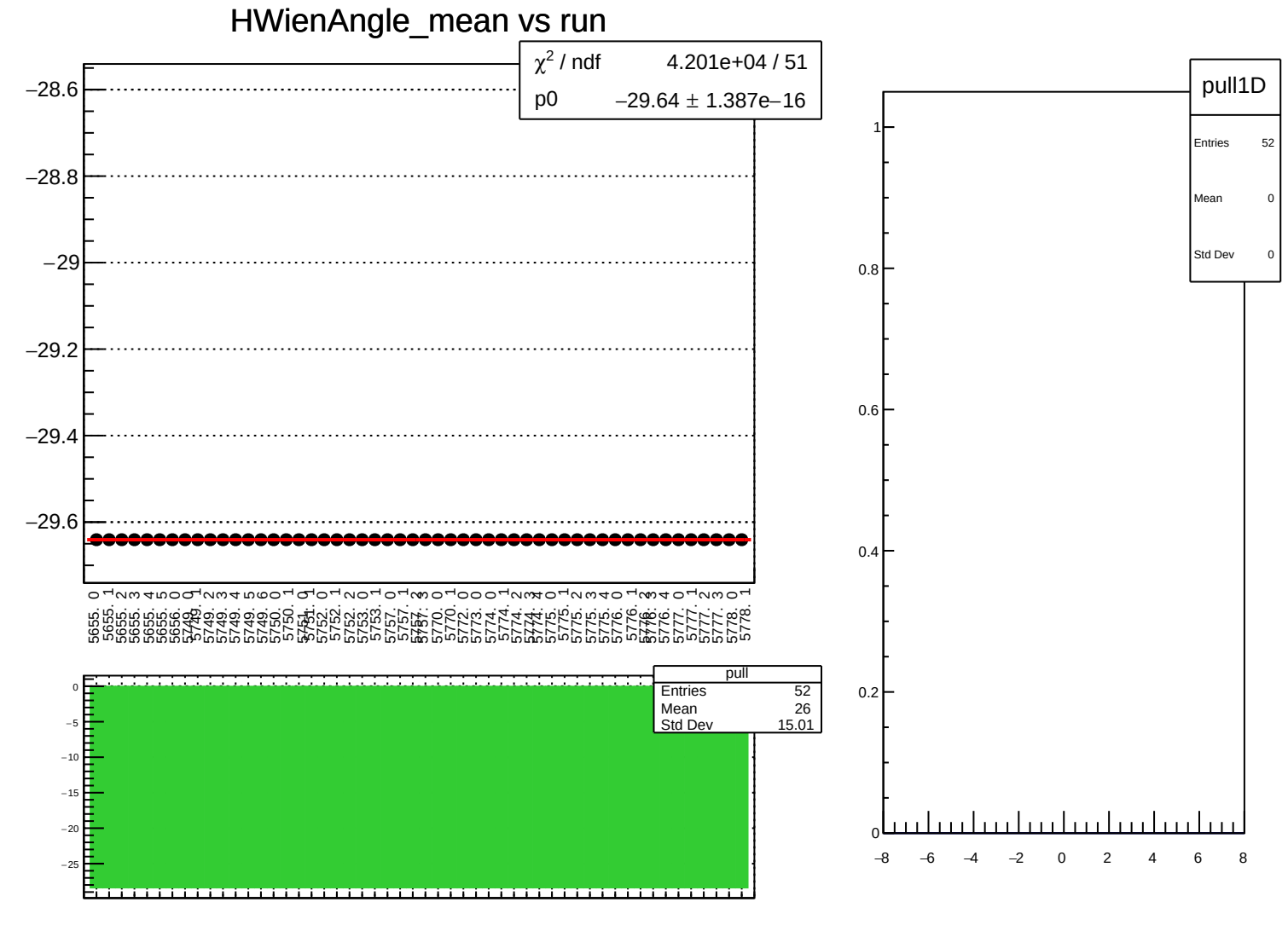

hesDipole_current_mean vs run
χ² / ndf 0 / 51
p0 0.009375 ± 1.387e−16
×10⁻³
pull
Entries 52
Mean 0
Std Dev 0

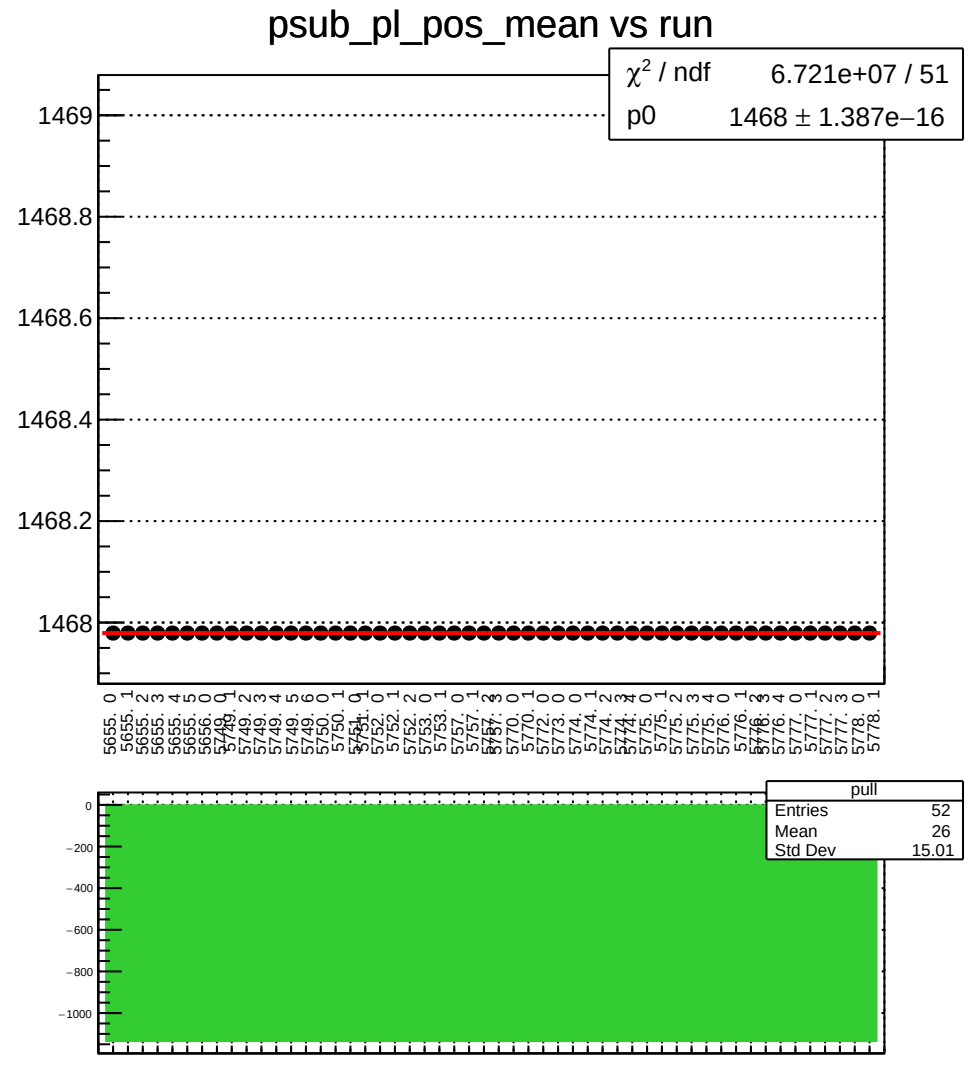

pull1D
Entries 52
Mean 0
Std Dev 0

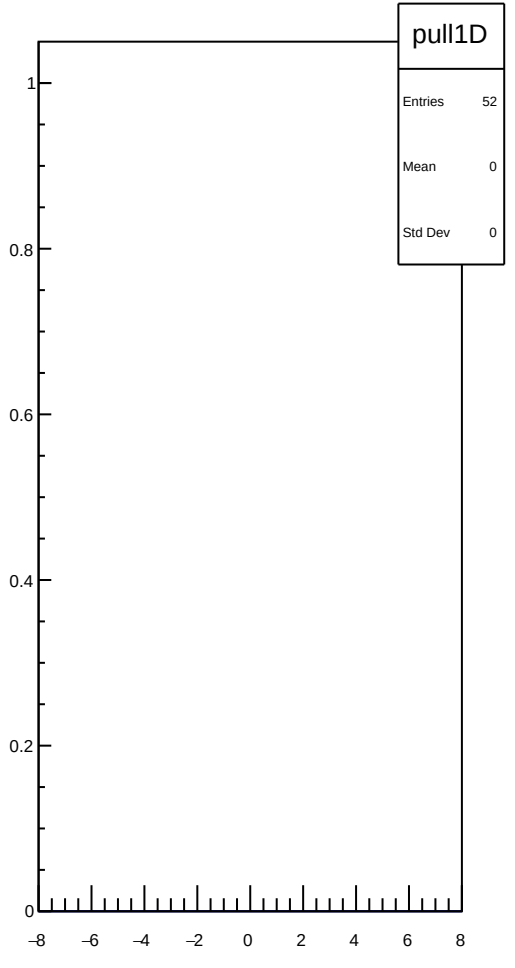

MSUPERBIGBITEreadcalc_mean vs run
χ² / ndf 0 / 51
p0 0.009375 ± 1.387e−16
×10⁻³
pull
Entries 52
Mean 0
Std Dev 0

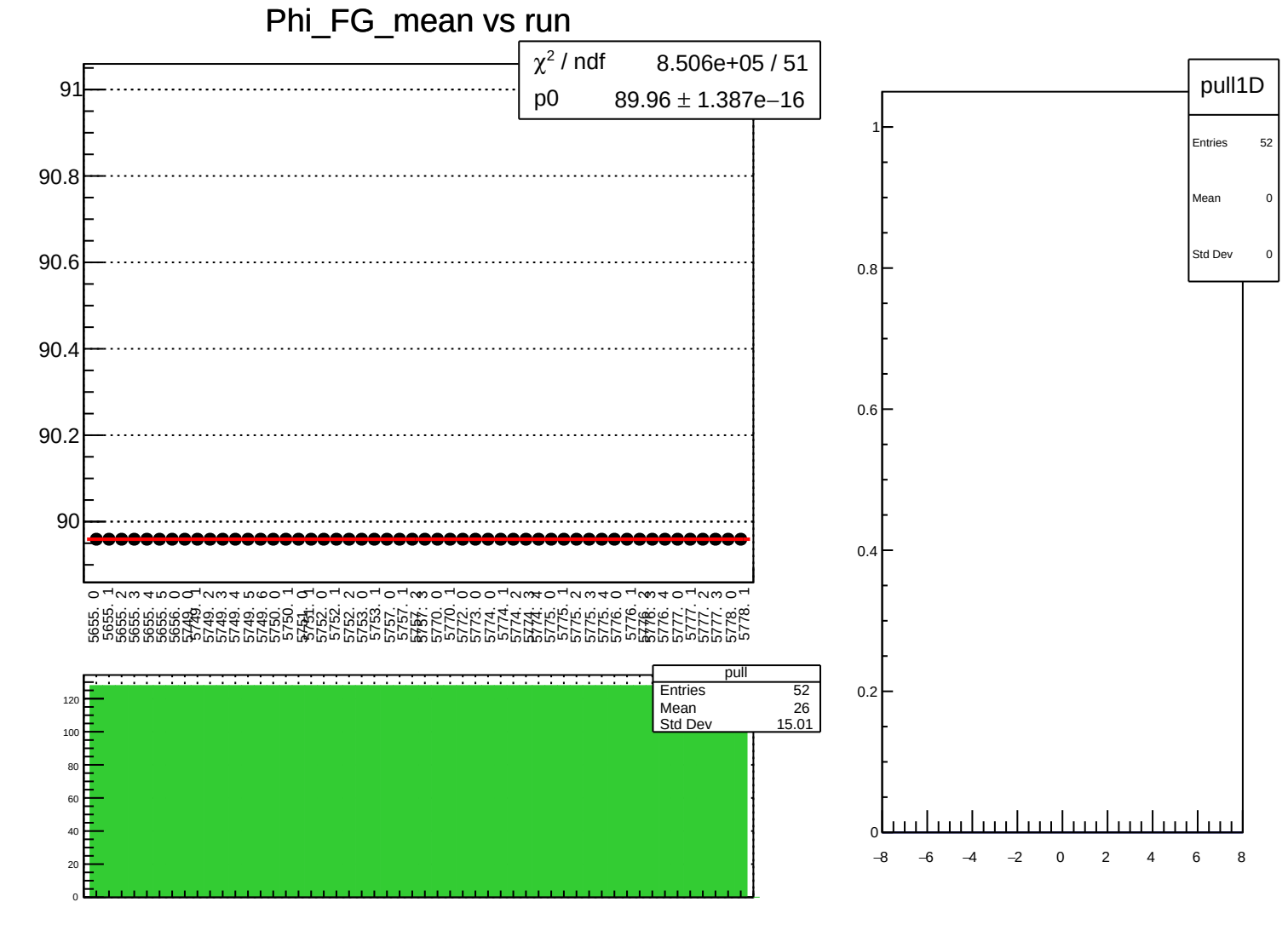

pull1D
Entries 52
Mean 0
Std Dev 0

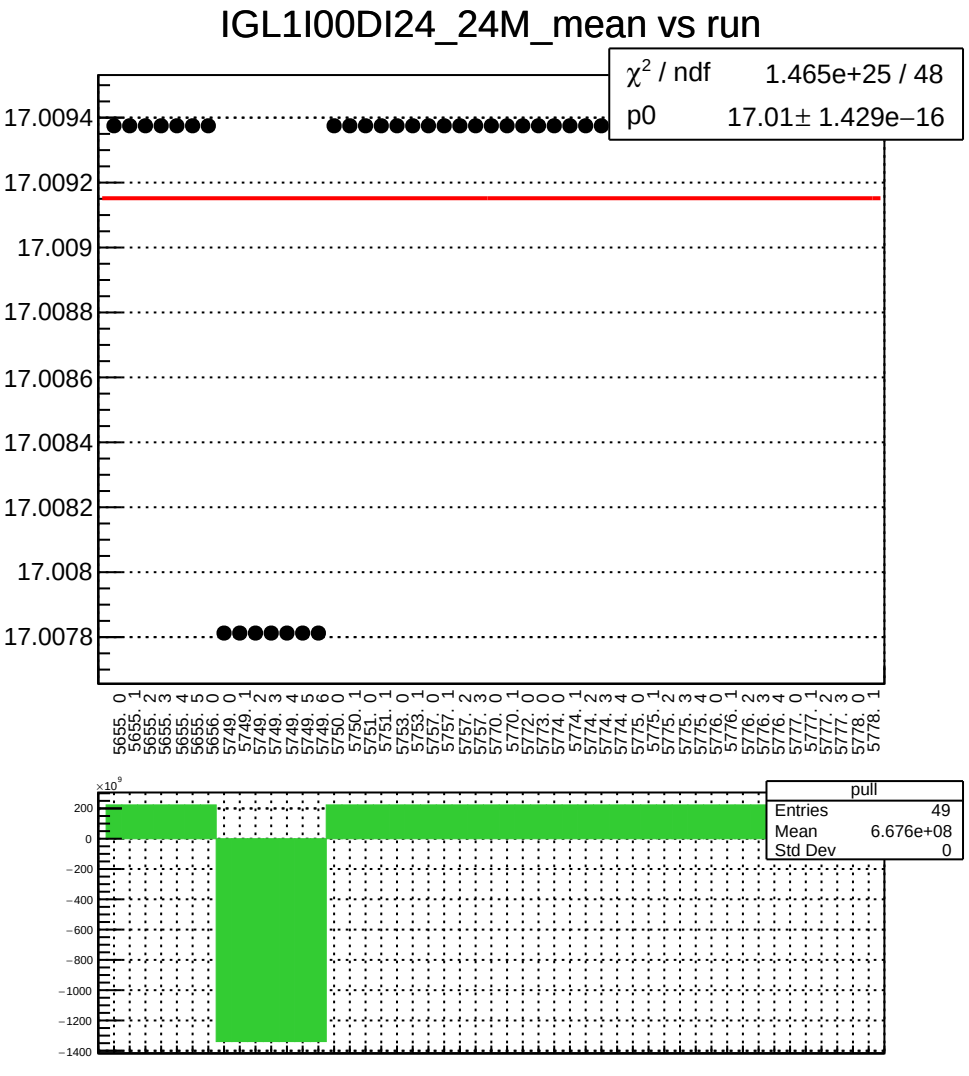

VWienAngle_mean vs run
χ² / ndf 1.05e+04 / 51
p0 88 ± 1.387e−16
89
88.8
88.6
88.4
88.2
88
pull
Entries 52
Mean 26
Std Dev 15.01
14
12
10
8
6
4
2
0
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

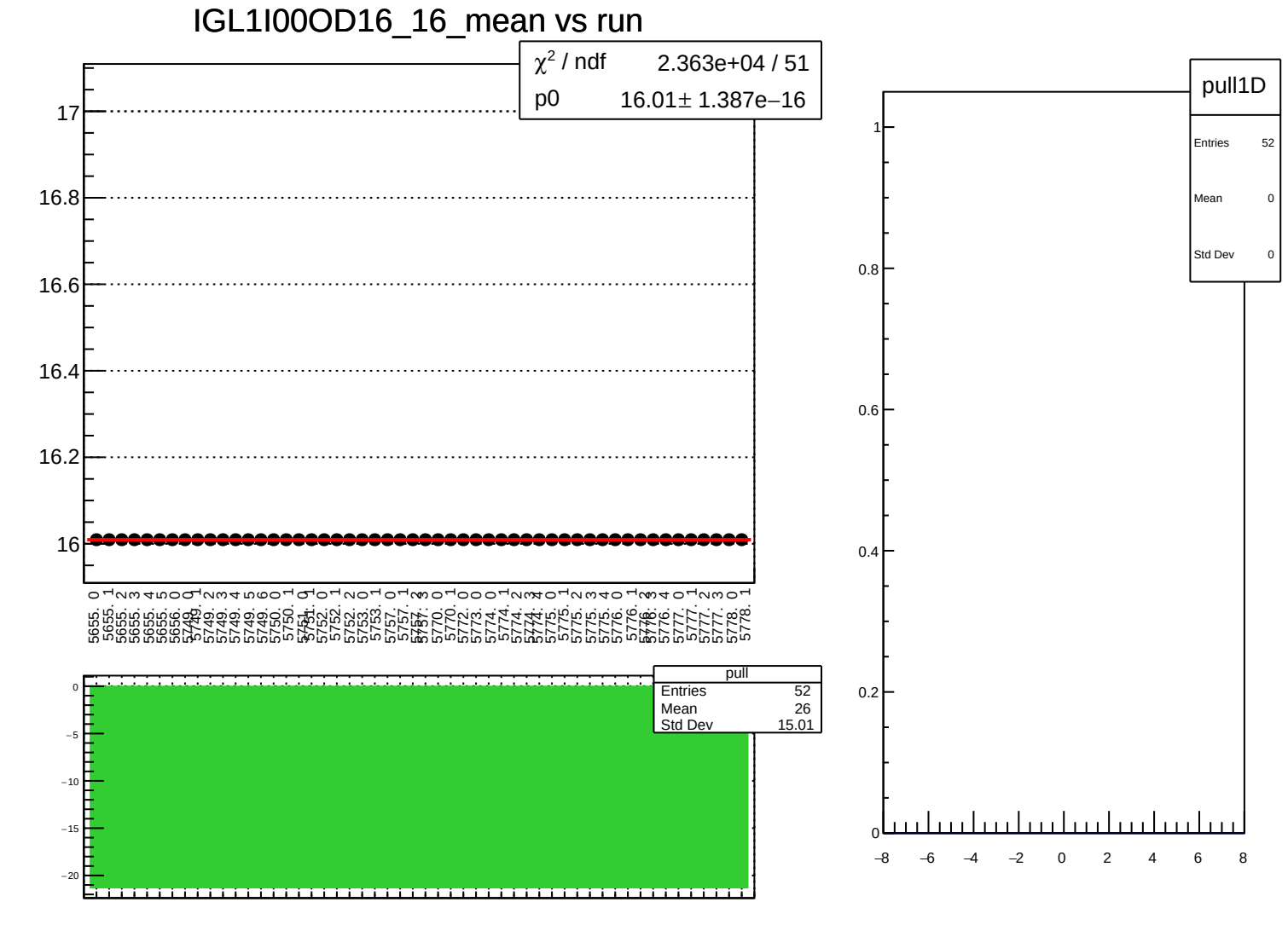

HWienAngle_mean vs run
χ² / ndf 4.201e+04 / 51
p0 −29.64 ± 1.387e−16
−28.6
−28.8
−29
−29.2
−29.4
−29.6
pull
Entries 52
Mean 26
Std Dev 15.01
0
−5
−10
−15
−20
−25
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

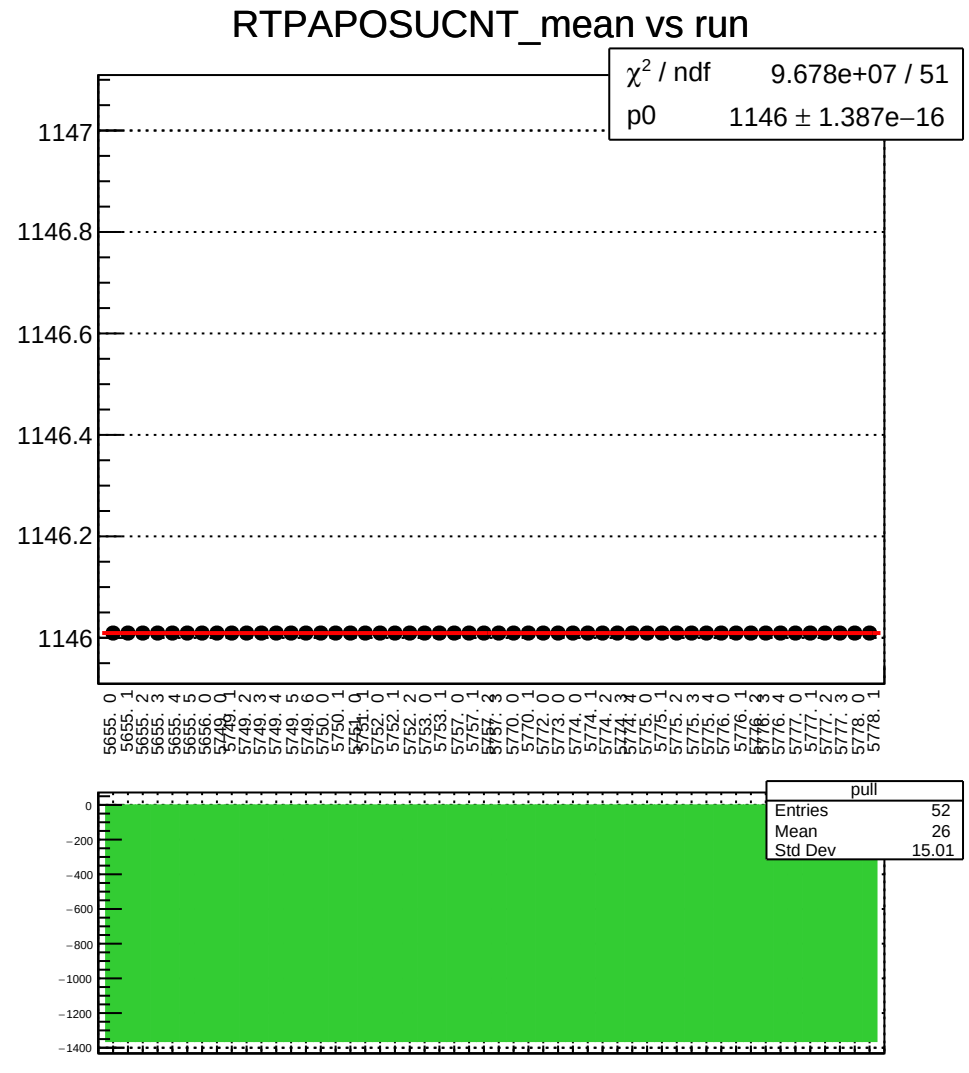

psub_pl_pos_mean vs run
χ² / ndf 6.721e+07 / 51
p0 1468 ± 1.387e−16
1469
1468.8
1468.6
1468.4
1468.2
1468
pull
Entries 52
Mean 26
Std Dev 15.01
0
−200
−400
−600
−800
−1000

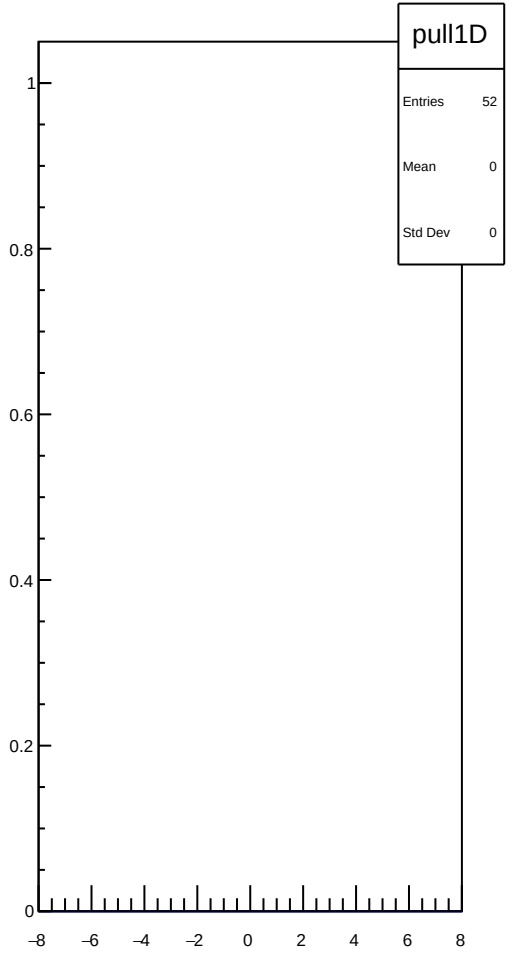

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

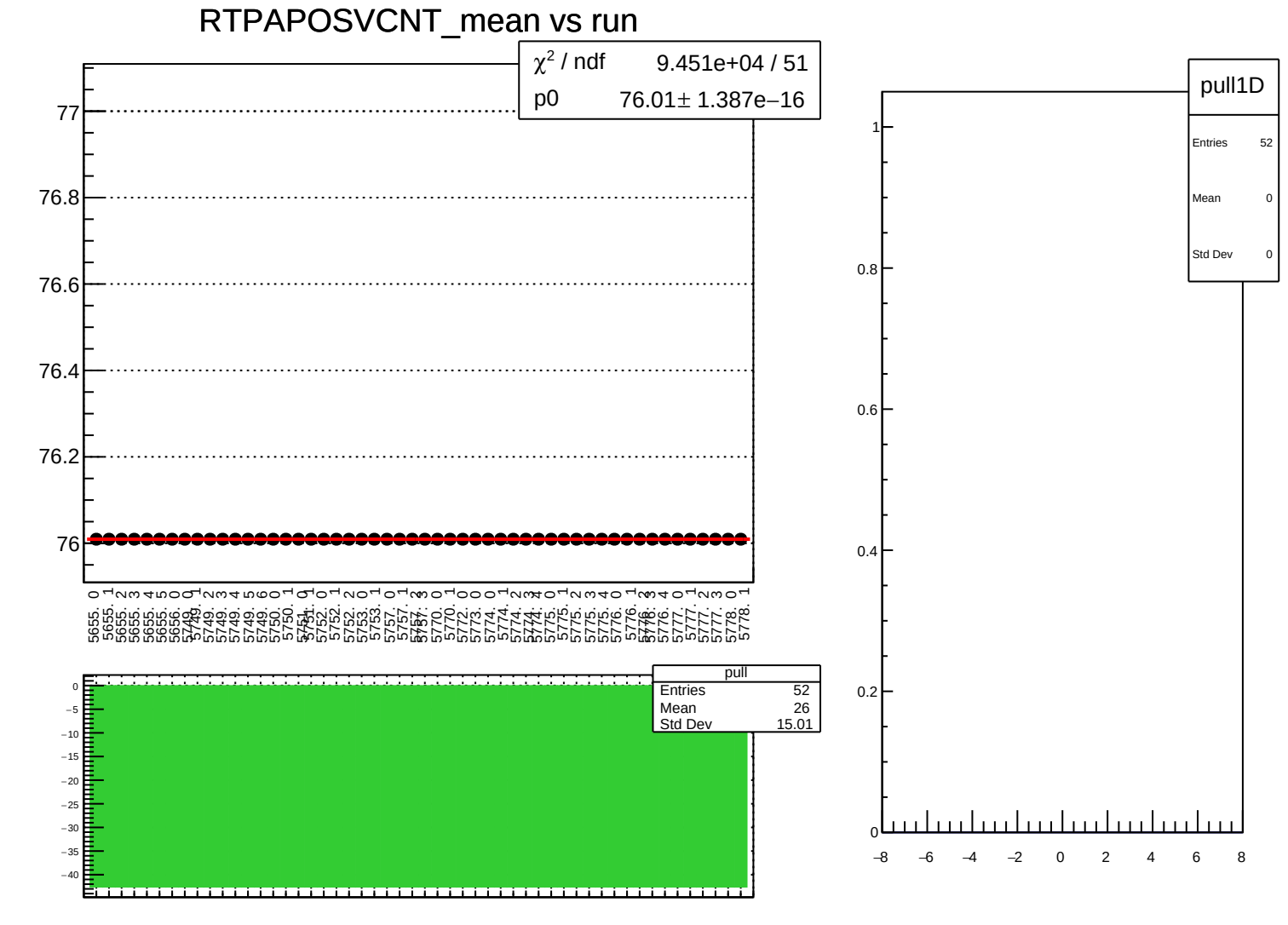

Phi_FG_mean vs run
χ² / ndf 8.506e+05 / 51
p0 89.96 ± 1.387e−16
91
90.8
90.6
90.4
90.2
90
pull
Entries 52
Mean 26
Std Dev 15.01
120
100
80
60
40
20
0
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

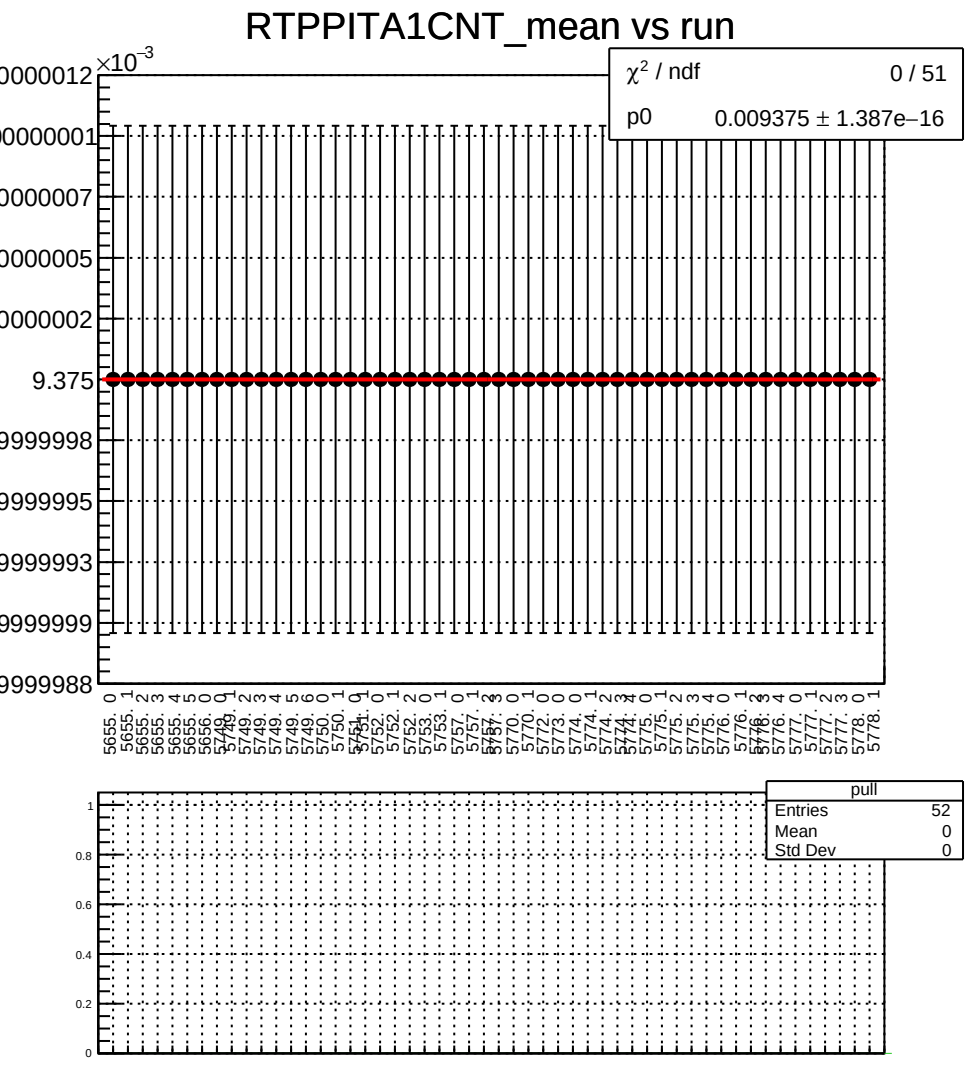

IGL1I00DI24_24M_mean vs run
χ² / ndf 1.465e+25 / 48
p0 17.01± 1.429e−16
17.0094
17.0092
17.009
17.0088
17.0086
17.0084
17.0082
17.008
17.0078
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5775. 4
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10⁹
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 49
Mean 6.676e+08
Std Dev 0
pull1D
Entries 49
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

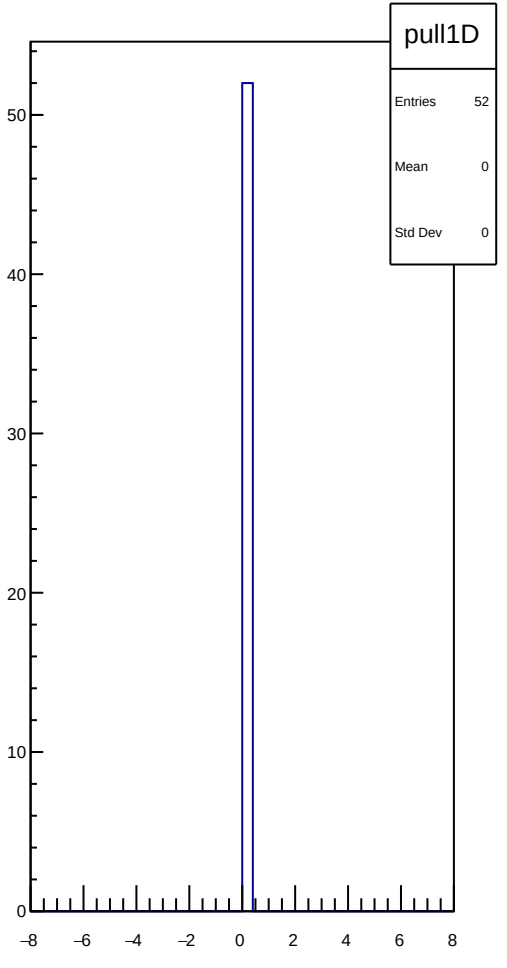

IGL1I00OD16_16_mean vs run
χ² / ndf 2.363e+04 / 51
p0 16.01± 1.387e−16
17
16.8
16.6
16.4
16.2
16
pull
Entries 52
Mean 26
Std Dev 15.01
0
−5
−10
−15
−20
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

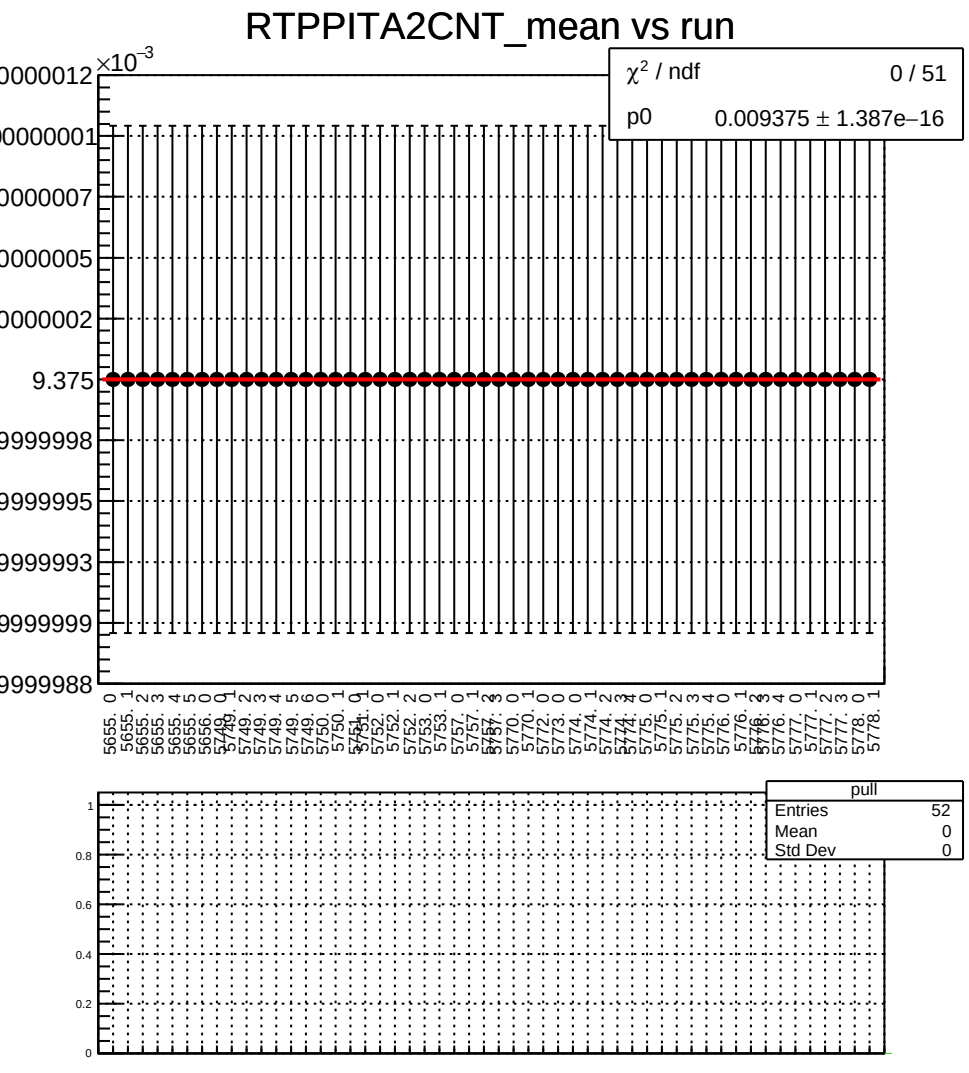

RTPAPOSUCNT_mean vs run
χ² / ndf 9.678e+07 / 51
p0 1146 ± 1.387e−16
1147
1146.8
1146.6
1146.4
1146.2
1146
pull
Entries 52
Mean 26
Std Dev 15.01
0
−200
−400
−600
−800
−1000
−1200
−1400

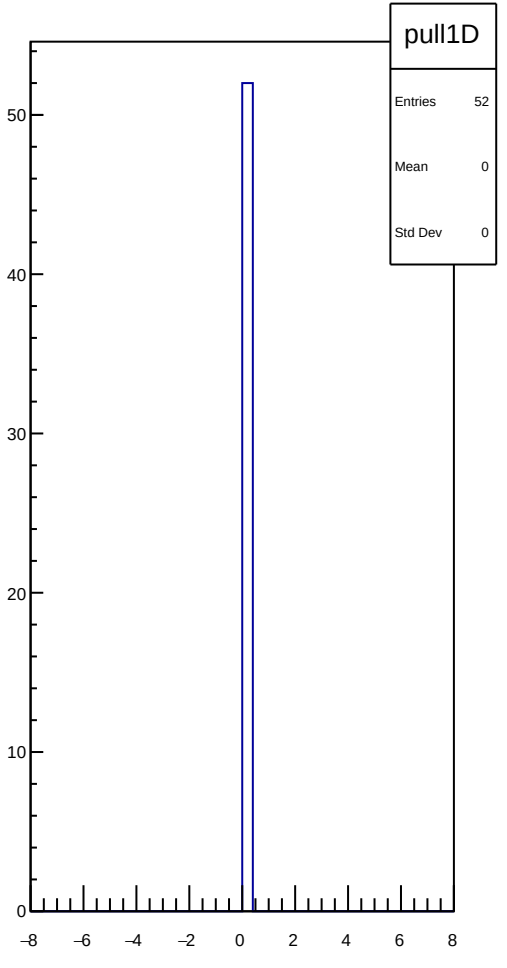

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


RTPAPOSVCNT_mean vs run
χ² / ndf 9.451e+04 / 51
p0 76.01± 1.387e−16
77
76.8
76.6
76.4
76.2
76
pull
Entries 52
Mean 26
Std Dev 15.01
0
−5
−10
−15
−20
−25
−30
−35
−40
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
×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


RTPPITA2CNT_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